ACKNOWLEDGEMENTS

The Centre gratefully acknowledges the financial support of the following agencies:

MEMBERS

The National Science Foundation of the United States. (Grant No. EAR-0949072).
The Royal Society of London.
The Geological Survey of Canada, Dept. of Natural Resources.
The University of Bergen, Norway.
National Defence Research Establishment, Sweden.
The Royal Netherlands Meteorological Institute.
The Seismological Institute, National Observatory of Athens, Greece.
Russian Academy of Sciences.
Institute of Geological and Nuclear Sciences Ltd., New Zealand.
Geological Survey of Denmark and Greenland (GEUS)
India Meteorological Department.
Geophysical Institute of Israel.
The Institute for Meteorology, Portugal.
The Swiss Academy of Sciences.
GeoForschungsZentrum Potsdam, Germany.
The Japan Meteorological Agency.
Institut National des Sciences de l'Univers, France.
Geoscience Australia.
Bundesanstalt fur Geowissenschaften und Rohstoffe, Germany.
The University of Helsinki, Finland.
Academy of Sciences of the Czech Republic.
Bundesministerium fur Bildung, Wissenschaft und Kultur, Austria.
The Hungarian Academy of Sciences.
Council for Geoscience, South Africa.
Instituto Geografico Nacional, Spain.
The Icelandic Meteorological Office.
China Earthquake Administration.
NTNF/NORSAR, Norway.
Dublin Institute for Advanced Studies, Ireland.
Environmental Agency of Slovenia.
Observatoire Royal de Belgique.
Natural Resources Authority, Jordan.
Incorporated Research Institutions for Seismology, U.S.A.
Institute of Geophysics, National University of Mexico.
National Earthquake Information Center, U.S. Geological Survey, U.S.A.
Geological Survey Department, Cyprus.
National Institute for Earth Physics, Romania.
Istituto Nazionale di Geofisica e Vulcanologia, Italy.
Seismology Research Centre, Australia.
British Geological Survey, U.K.
University of Texas at Austin, U.S.A.
LDG, Bruyeres-le-Chatel, France.
Korea Meteorological Administration.
Institute of Earth Sciences, Academia Sinica, Chinese Taipei.
Kandilli Observatory and Earthquake Research Institute, Turkey.
OGS, Trieste, Italy.
NRIAG, Cairo, Egypt.
University of the West Indies, Jamaica.
Institute of Geophysics, Polish Academy of Sciences.
Uppsala Universitet, Sweden.
Geological Research Authority of Sudan.
AWE Blacknest
University of West Indies, Trinidad and Tobago
Iraqi Meteorological Organization and Seismology
Japan Agency for Marine-Earth Science and Technology, Japan.
Earthquake Research Institute, University of Tokyo, Japan.
Puerto Rico Seismic Network, University of Puerto Rico, U.S.A.
Soreq Nuclear Research Center, Israel.
Disaster and Emergency Management Presidency, Turkey.

SPONSORS

Kinemetrics, Pasadena, U.S.A.

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(648) Novaya Zemlya
(649) Kara Sea
(650) Near coast of northwestern Siberia
(651) North of Severnaya Zemlya 826
(652) Severnaya Zemlya
(653) Near coast of northern Siberia
(654) East of Severnaya Zemlya
(655) Laptev Sea

SEISMIC REGION 41.
Eastern Asia.
(656) Southeastern Siberia 826
(657) Priamurye-Northeastern China border region 827
(658) Northeastern China 827
(659) North Korea
(660) Sea of Japan 827
(661) Primorye 828
(662) Sakhalin Island 829
(663) Sea of Okhotsk 829
(664) Southeastern China 830
(665) Yellow Sea 830
(666) Off east coast of southeastern China

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

SEISMIC REGION 43.
Southeastern and Antarctic Pacific Ocean.
(683) Southeastcentral Pacific Ocean
(684) Southern East Pacific Rise 831
(685) Easter Island region 832
(686) West Chile Rise 832
(687) Juan Fernandez Islands region
(688) East of North Island 833
(689) Chatham Islands region
(690) South of Chatham Islands
(691) Pacific-Antarctic Ridge 833
(692) Southern Pacific Ocean 834
(756) Southeast of Easter Island 834

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(693) Eastcentral Pacific Ocean 834
(694) Central East Pacific Rise 834
(695) West of Galapagos Islands 835
(696) Galapagos Islands region 835
(697) Galapagos Islands 836
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(757) Galapagos Triple Junction region 836

SEISMIC REGION 45.
Macquarie Loop.
(700) South of Tasmania
(701) West of Macquarie Island 836
(702) Balleny Islands region 836

SEISMIC REGION 46.
Andaman Islands to Sumatera.
(703) Andaman Islands region 837
(704) Nicobar Islands region 838
(705) Off west coast of northern Sumatera 839
(706) Northern Sumatera 841
(707) Malay Peninsula
(708) Gulf of Thailand

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Baluchistan.
(709) Southeastern Afghanistan 845
(710) Pakistan 845
(711) Southwestern Kashmir 847
(712) India-Pakistan border region 848

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(713) Central Kazakhstan 848
(714) Southeastern Uzbekistan 848
(715) Tajikistan 849
(716) Kyrgyzstan 851
(717) Afghanistan-Tajikistan border region 852
(718) Hindu Kush region 856
(719) Tajikistan-Xinjiang border region 860
(720) Northwestern Kashmir 862

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Northern Eurasia.
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(722) Norway-Murmansk border region
(723) Finland-Karelia border region
(724) Baltic States - Belarus - Northwestern Russia 862
(725) Northwestern Siberia
(726) Northern and central Siberia 862

SEISMIC REGION 50.
Antarctica.
(727) Victoria Land 862
(728) Ross Sea
(729) Antarctica 862

MAJOR EARTHQUAKES

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

(221) Kuril Islands

ISC	**I**	**01 14 02 22.3–.77**	**44.43N–.05**	**148.37E–.06**	**56–6**	**4.2b**	**192**	**1-153**
NIED	I	01 14 02 00	44.10N	148.10E	41	4.2W		¶13404539
BJI	I	01 14 02 13.7	44.20N	149.38E	50	4.9b,4.7b		
MOS	I	01 14 02 21.5–1.0	44.55N	148.31E	62	4.3b,4.7b		
JMA	I	01 14 02 21.3–.30	44.05N	148.15E	0	4.9,4.7b		
ISCJB	I	01 14 02 21.0–.67	44.44N–.04	148.36E–.06	61–5	4.2b,4.7b		
NEIC	I	01 14 02 22.8–.74	44.58N	148.22E	59–7	4.2b,4.7b		
SKHL	I	01 14 02 22.4–1.2	44.48N	148.32E	80–7	6.0s,5.1b		
IDC	I	01 14 02 24.8–2.4	44.62N	148.20E	76–21	4.0,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s1.00000°,δ75.00000°,λ73.00000°. NP2: ϕ_s229.00000°,δ22.00000°,λ136.00000°. $M_0$2.16000×10^{15}
MOS Error ellipse: s-maj=10.7km s-min=8.9km az=70.8.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.8km az=40.5.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.4km az=134.0.
IDC Error ellipse: s-maj=16.6km s-min=11.8km az=141.0.

(274) Southern Sumatera

ISC	**I**	**01 16 57 56.7–.30**	**4.32S–.03**	**101.23E–.04**	**42–1**	**5.3b,5.1s**	**1181**	**2-176**
BJI	I	01 16 57 49.9	4.90S	101.24E	40	5.6b,5.5s		¶13404540
IDC	I	01 16 57 50.2–.38	4.26S	101.34E	0	5.2,5.2		
NEIC	I	01 16 57 53.1–.19	4.33S	101.30E	19	5.4b,5.3W		
DJA	I	01 16 57 53	4.41S	101.11E	21	5.3W,5.3W		
MOS	I	01 16 57 54.3–1.1	4.19S	101.37E	33	5.5b,5.0s		
ISCJB	I	01 16 57 54.8–.47	4.29S–.03	101.25E–.03	39–3	5.3b,5.1s		
SZGRF	I	01 16 58 12.8	1.51S	98.85E	33	5.1s,4.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=7.7km az=46.0.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=5.0km az=59.0. Felt [III] at Kapahiang and [II] at Bengkulu. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s343.00000° ,δ31.00000°,λ110.00000°. NP2:ϕ_s140.00000°,δ61.00000°,λ78.00000°. Principal axes: T 1.1100,Plg71.0000°,Azm22.0000°; N 0.2600,Plg10.0000°,Azm145.0000° ; P -1.3700,Plg15.0000°,Azm238.0000° $M_0$1.30000×10^{17}
MOS Error ellipse: s-maj=9.4km s-min=4.9km az=112.4.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.2km az=42.9.
SZGRF Southern Sumatera, Indonesia.

(13) Kodiak Island region

ISC	**I**	**02 14 17 13.0–.23**	**58.45N–.03**	**152.08W–.02**	**58–1**	**5.2b,4.1s**	**1875**	**1-161**
SZGRF	I	02 14 16 55.8	57.27N	153.89W	67	5.4b,4.1s		¶13404547
MOS	I	02 14 17 05.2–.91	58.42N	152.44W	10	5.5b,4.0s		
ISCJB	I	02 14 17 12.6–.21	58.56N–.01	152.17W–.02	62–1	5.2b,4.0s		
IDC	I	02 14 17 13.1–.33	58.41N	152.23W	59–3	5.0,5.0		
NEIC	I	02 14 17 13.5	58.38N	151.93W	66	5.4L,5.2b		
BGS	I	02 14 17 13.4–1.8	58.44N	152.60W	67	4.9b,5.2b		
BJI	I	02 14 17 15.3	59.30N	153.09W	53	5.2b,5.2b		

ISC Event type fe.
SZGRF Kodiak Island, Alaska, United States, region.
MOS Error ellipse: s-maj=7.9km s-min=3.4km az=89.9.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=34.1.
IDC Error ellipse: s-maj=8.2km s-min=5.8km az=103.0.
NEIC Event type fe. Felt [III] at Kodiak and [II] at Homer and Port Lions. Also felt at Anchor Point and Kenai. After AEIC. Moment Tensor Solution. $M_0$6.60000×10^{16}
BGS Error ellipse: s-maj=364.1km s-min=999.9km az=-1.0.

(406) Central Mid-Atlantic Ridge

ISC	**I**	**02 20 14 30.7–.29**	**0.70N–.07**	**27.08W–.06**	**10**	**5.0s,4.9b**	**1055**	**11-170**
IDC	I	02 20 14 29.6–.39	0.77N	27.02W	0	5.4L,4.9s		¶13989011
MOS	I	02 20 14 29.4–1.1	0.83N	27.08W	10	5.0b,4.8s		
ISCJB	I	02 20 14 29.5–.23	0.75N–.05	26.98W–.03	10	5.0s,4.8b		
NEIC	I	02 20 14 30.6–.21	0.79N	27.12W	10	5.5W,5.1b		
SZGRF	I	02 20 14 30.4	0.00S	26.59W	10	5.2b,4.7s		
BJI	I	02 20 14 31.4	0.80N	27.10W	10	5.7b,5.5s		

ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=9.8km az=144.0.
MOS Error ellipse: s-maj=11.1km s-min=5.1km az=57.7.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.1km az=159.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=151.0.
SZGRF Central Mid-Atlantic Ridge.

(175) South of Tonga Islands

ISC	**I**	**03 08 22 58.3–.36**	**25.41S–.05**	**175.36W–.05**	**25–2**	**5.4b,4.7s**	**1192**	**4-167**
DJA	I	03 08 22 51	24.57S	174.90W	10	5.3b,4.7s		¶13404563
IDC	I	03 08 22 54.2–.40	25.27S	175.43W	0	5.1,5.1		
BJI	I	03 08 22 55.8	24.75S	174.94W	14	5.6b,5.3b		
ISCJB	I	03 08 22 57.4–1.3	25.29S–.05	175.52W–.04	33–11	5.3b,4.7s		
MOS	I	03 08 22 59.1–.94	25.09S	175.48W	33	5.4b,4.6s		
NEIC	I	03 08 22 59.1–2.1	25.39S	175.49W	32–14	5.4b,4.6s		
BGS	I	03 08 23 02.1–5.3	25.39S	175.49W	33	5.4b,4.6s		

ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=10.5km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=164.5.
MOS Error ellipse: s-maj=11.7km s-min=8.9km az=78.1.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=154.0.
BGS Error ellipse: s-maj=401.4km s-min=999.9km az=-1.0.

(196) Irian Jaya region

ISC	**I**	**03 19 43 55.8–.24**	**0.53S–.02**	**132.60E–.03**	**31–1**	**7.5s,6.6b**	**2692**	**2-167**
IDC	I	03 19 43 48.9–.33	0.49S	132.76E	0	7.3s,7.3		¶13989025
NEIC	I	03 19 43 50.6–.14	0.41S	132.89E	17	7.7,7.6W		
ISCJB	I	03 19 43 51.3–.67	0.36S–.02	132.87E–.02	22–4	7.5s,6.4b		
BJI	I	03 19 43 51.5	0.40S	132.90E	23	7.5b,7.4s		
MOS	I	03 19 43 52.5–1.6	0.46S	132.81E	33	7.3s,6.5b		
SZGRF	I	03 19 43 53.3	2.77S	132.43E	33	7.6b,6.5b		
DJA	I	03 19 43 55	0.56S	132.85E	15	7.9W,6.5b		

ISC Event type de.
IDC Error ellipse: s-maj=14.3km s-min=6.4km az=79.0.
NEIC Event type de. Error ellipse: s-maj=5.7km s-min=4.6km az=61.0. At least four people killed at Manokwari and one killed at Sorong. At least 250 people injured, 840 buildings damaged and power outages in western Papua. Felt [VI] at Manokwari and Sorong and [IV] at Nabire and Ransiki. Also felt on Ambon. A tsunami was recorded with the following wave heights [peak-to-trough]: 78 cm at Manokwari, 38 cm on Biak and 20 cm at Jayapura, Indonesia; 13.0 cm at Ishigakijima, 10.2 cm at Naha, 30.7 cm at Omaezeki and 30.8 cm at Tosashimizu, Japan; 0.8 cm on Yap, Federated States of Micronesia; 20.0 cm on Saipan, Northern Mariana Islands; 3.7 cm at Malakal, Palau; 5.2 cm on Wake Island. Complex earthquake observed on broadband displacement seismograms. A small event is followed by a much larger one about 6 seconds later. Depth and focal mechanism based on the larger event. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s315.00000°,δ80.00000°,λ100.00000°. NP2: ϕ_s90.00000°,δ14.00000°,λ45.00000°. Principal axes: T Plg54.0000°,Azm237.0000° ; N Plg0.0000°,Azm0.0000°; P Plg34.0000°,Azm36.0000° Moment Tensor Solution. s72 Moment tensor: Scale 10^{20}Nm; M_{rr}1.07 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$0.09 $M_{r\theta}$-0.47 $M_{\theta\phi}$0.70 $M_{\phi r}$0.38 Best double couple: NP1:ϕ_s304.00000°,δ58.00000°,λ102.00000°. NP2:ϕ_s102.00000° ,δ34.00000°,λ71.00000°. Principal axes: T 1.2300,Plg73.0000°,Azm246.0000° ; N 0.3800,Plg10.0000°,Azm117.0000°; P -1.6000,Plg12.0000°,Azm25.0000° $M_0$1.40000×10^{20} Moment Tensor Solution. $M_0$1.20000×10^{20}
ISCJB Event type de. Error ellipse: s-maj=3.6km s-min=2.9km az=142.4.
MOS Error ellipse: s-maj=8.1km s-min=4.5km az=113.6. Moment Tensor Solution. $M_0$1.00000×10^{20}
SZGRF Irian Jaya, Indonesia, region.

(196) Irian Jaya region

ISC	**I**	**03 19 53 18.0–.29**	**0.61S–.05**	**133.36E–.05**	**28**	**5.6b**	**228**	**3-153**
BJI	I	03 19 53 12.8	1.33S	134.25E	60	5.4b		¶12079925
IDC	I	03 19 53 13.9–.47	0.58S	133.35E	0	5.5L,5.4b		
ISCJB	I	03 19 53 16.3–.23	0.55S–.04	133.47E–.04	28	6.6s,5.6b		
MOS	I	03 19 53 16.9–1.0	0.60S	133.36E	33	5.8b,5.6b		
NEIC	I	03 19 53 18.9–.19	0.59S	133.36E	35	5.6b,5.6b		
DJA	I	03 19 53 42	1.38S	132.18E	117	5.9b,5.6b		

ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=12.8km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.2km az=174.1.
MOS Error ellipse: s-maj=12.7km s-min=6.4km az=108.4.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.8km az=61.0.

(196) Irian Jaya region

ISC	**I**	**03 20 04 20.7–.34**	**0.53S–.06**	**133.05E–.06**	**32**	**5.0b**	**155**	**6-153**
IDC	I	03 20 04 15.7–.49	0.51S	133.04E	0	4.7,4.7		¶12079931
DJA	I	03 20 04 16	0.39S	133.47E	10	5.6b,4.7		
MOS	I	03 20 04 18.7–1.1	0.53S	132.95E	33	5.2b,4.7		
ISCJB	I	03 20 04 18.6–.32	0.35S–.05	133.24E–.06	32	5.0b,4.7		
NEIC	I	03 20 04 20.8–.24	0.53S	133.01E	35	5.0b,4.7		

ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=11.6km az=69.0.
MOS Error ellipse: s-maj=16.2km s-min=7.2km az=114.7.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.5km az=155.9.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.2km az=62.0.

(196) Irian Jaya region

ISC	**I**	**03 20 07 15.1–.45**	**0.60S–.07**	**133.07E–.08**	**32**	**4.8b**	**63**	**2-153**
IDC	I	03 20 07 10.2–.55	0.61S	132.97E	0	4.7L,4.7		¶12079932
ISCJB	I	03 20 07 13.0–.40	0.59S–.06	133.03E–.08	32	4.8b,4.7		
NEIC	I	03 20 07 15.3–.27	0.61S	133.00E	35	4.9b,4.7		
DJA	I	03 20 07 23	0.25S	133.77E	178	6.2b,4.7		

ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=12.1km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.6km az=161.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.6km az=67.0.

(196) Irian Jaya region

IDC	**I**	**03 20 08 55.4–17**	**0.22N**	**132.25E**	**0**	**6.1s,6.1**		
								¶12079933

IDC Error ellipse: s-maj=284.5km s-min=96.5km az=149.0.

(196) Irian Jaya region

IDC	**I**	**03 20 18 37.7–17**	**0.07N**	**132.19E**	**0**	**6.3s,6.3**		
								¶12079939

IDC Error ellipse: s-maj=325.9km s-min=183.2km az=129.0.

(196) Irian Jaya region

ISC	**I**	**03 20 36 44.6–.46**	**0.32S–.07**	**132.7E–.10**	**32**	**4.7b**	**56**	**20-152**
IDC	I	03 20 36 40.1–.62	0.28S	132.83E	0	5.9s,5.9		¶12079944
ISCJB	I	03 20 36 42.7–.35	0.33S–.05	132.76E–.09	32	4.6b,5.9		
NEIC	I	03 20 36 45.1–.29	0.30S	132.74E	35	4.9b,5.9		

ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=13.0km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=6.6km az=169.1.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.9km az=74.0.

(196) Irian Jaya region

ISC	**I**	**03 20 47 35.1–.36**	**0.43S–.05**	**132.77E–.06**	**32**	**5.4s,4.9b**	**178**	**3-152**
IDC	I	03 20 47 30.3–.58	0.33S	132.72E	0	5.2L,4.9		¶12079950
ISCJB	I	03 20 47 32.5–.32	0.29S–.04	132.95E–.05	32	5.2s,4.9b		
MOS	I	03 20 47 33.4–1.2	0.36S	132.65E	33	5.0b,4.9b		
BJI	I	03 20 47 33.7	0.20S	132.90E	30	5.3s,5.2		
NEIC	I	03 20 47 35.0–.21	0.32S	132.78E	35	4.9b,5.2		
DJA	I	03 20 47 45	0.92S	132.51E	64	5.6b,5.2		

ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=12.7km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.1km az=168.9.
MOS Error ellipse: s-maj=18.9km s-min=7.7km az=120.3.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.0km az=59.0.

(196) Irian Jaya region

ISC	**I**	**03 21 00 54.1–.50**	**0.70S–.06**	**133.71E–.10**	**28**	**4.6b**	**82**	**3-131**
IDC	I	03 21 00 49.8–.66	0.74S	133.63E	0	4.5L,4.4		¶11712537
BJI	I	03 21 00 51.0	0.77S	133.63E	22	4.8b,4.4		
ISCJB	I	03 21 00 52.6–.38	0.64S–.04	133.64E–.06	28	4.4b,4.4		
NEIC	I	03 21 00 55.5–.33	0.70S	133.58E	35	4.6b,4.4		
DJA	I	03 21 01 02.2–.60	1S–7.0	133E–4.0	10	5.9b,5.5		

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

(196) Irian Jaya region

IDC	**I**	**03 21 21 24.9–1.5**	**0.89N**	**132.53E**	**0**	**4.5,4.3b**		
DJA	I	03 21 21 17	1.70N	135.06E	10	5.6b,4.3b		¶12079966

IDC Error ellipse: s-maj=66.7km s-min=17.1km az=73.0.

(196) Irian Jaya region

ISC	**I**	**03 21 49 32.3–.27**	**0.28S–.04**	**132.91E–.04**	**39–2**	**5.8s,5.5b**	**589**	**3-167**
BJI	I	03 21 49 25.9	0.78S	133.37E	42	6.0b,5.8s		¶11526871
IDC	I	03 21 49 26.5–.32	0.26S	132.81E	0	5.7s,5.7		
MOS	I	03 21 49 29.6–.98	0.33S	132.79E	33	5.8s,5.6b		
DJA	I	03 21 49 30	0.41S	132.97E	10	5.7b,5.6b		
NEIC	I	03 21 49 30.9–1.4	0.33S	132.89E	29–10	5.6b,5.6b		
ISCJB	I	03 21 49 30.7–.59	0.32S–.02	133.01E–.03	44–5	6.1s,5.5b		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Manokwari and Sorong.
ISCJB Event type fe.

(196) Irian Jaya region

ISC	**I**	**03 22 07 48.1–.40**	**0.24S–.04**	**132.98E–.05**	**37–1**	**6.0s,5.3b**	**274**	**3-153**
BJI	I	03 22 07 40.8	0.82S	133.43E	40	5.8b,5.7s		¶11526873
DJA	I	03 22 07 41	0.19N	132.86E	10	5.5b,5.7s		
IDC	I	03 22 07 42.5–.40	0.22S	132.81E	0	5.0,4.9b		
ISCJB	I	03 22 07 46.3–.70	0.28S–.03	133.02E–.03	42–6	5.7s,5.2b		
NEIC	I	03 22 07 47.5–.18	0.28S	132.86E	35	5.3b,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=10.1km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.3km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.2km az=69.0. Felt [III] at Sorong.

(196) Irian Jaya region

ISC	**I**	**03 22 33 42.7–.27**	**0.71S–.02**	**133.31E–.03**	**34–0**	**7.3s,6.5b**	**1889**	**2-167**
BJI	I	03 22 33 32.6	1.43S	133.80E	33	7.4b,7.2s		¶13989020
IDC	I	03 22 33 36.4–.26	0.72S	133.13E	0	7.2s,7.2		
MOS	I	03 22 33 39.7–1.1	0.70S	133.28E	33	7.0s,6.5b		
NEIC	I	03 22 33 40.3–.10	0.69S	133.31E	23	7.5,7.4s		
TEH	I	03 22 33 40.3	0.71S	133.36E	23	7.4L,7.4s		
ISCJB	I	03 22 33 41.3–.44	0.70S–.02	133.42E–.02	46–3	7.2s,6.4b		
DJA	I	03 22 33 45	0.83S	133.38E	60	7.5W,6.4b		
SZGRF	I	03 22 33 47.6	0.49S	131.98E	33	7.3b,6.4b		

ISC Event type de.
IDC Error ellipse: s-maj=8.0km s-min=4.8km az=82.0.
MOS Error ellipse: s-maj=8.0km s-min=4.5km az=111.2. Moment Tensor Solution. $M_0$9.00000×10^{19}
NEIC Event type de. Error ellipse: s-maj=4.4km s-min=3.4km az=63.0. Casualties and damage are included with the event at 19:33 UTC. Felt [VII] at Manokwari, [VI] at Sorong, [IV] at Nabire and [III] at Biak. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s310.00000°,δ75.00000°,λ100.00000°. NP2: ϕ_s96.00000°,δ18.00000°,λ57.00000°. Principal axes: T Plg59.0000°,Azm234.0000° ; N Plg0.0000°,Azm0.0000°; P Plg29.0000°,Azm32.0000° Moment Tensor Solution. s53 Moment tensor: Scale 10^{19}Nm; M_{rr}7.33 $M_{\theta\theta}$-7.43 $M_{\phi\phi}$0.10 $M_{r\theta}$-2.77 $M_{\theta\phi}$3.19 $M_{\phi r}$3.43 Best double couple: NP1:ϕ_s306.00000°,δ60.00000°,λ108.00000°. NP2:ϕ_s93.00000° ,δ35.00000°,λ62.00000°. Principal axes: T 8.8300,Plg69.0000°,Azm254.0000° ; N 0.6500,Plg15.0000°,Azm116.0000°; P -9.4800,Plg13.0000°,Azm22.0000° $M_0$9.20000×10^{19} Moment Tensor Solution. $M_0$6.00000×10^{19}
ISCJB Event type de. Error ellipse: s-maj=3.6km s-min=2.8km az=147.9.
SZGRF Irian Jaya, Indonesia, region.

(196) Irian Jaya region

ISC	**I**	**03 23 01 04.4–.49**	**0.47S–.05**	**133.37E–.07**	**34–1**	**5.4s,5.1b**	**135**	**3-153**
DJA	I	03 23 00 57	0.36S	133.58E	10	5.5b,5.1b		¶11526877
IDC	I	03 23 01 00.8–.52	0.87S	132.37E	0	4.6,4.5		
BJI	I	03 23 01 03.2	0.10S	133.56E	22	5.2s,5.0b		

NEIC I 03 23 01 04.2–.49 0.51S 133.22E 35 5.2b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=8.4km az=86.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=7.6km az=63.0.

(196) Irian Jaya region

ISC	**I**	**04 00 00 37.9–.33**	**0.70S–.04**	**133.38E–.05**	**34–1**	**6.0s,5.5b**	**434**	**2-161**
IDC	I	04 00 00 32.7–.42	0.74S	133.21E	0	5.4L,5.3		¶13404587
BJI	I	04 00 00 34.0	0.88S	133.55E	35	6.0b,5.9s		
ISCJB	I	04 00 00 35.9–.76	0.69S–.03	133.38E–.04	33–6	6.2s,5.4b		
MOS	I	04 00 00 36.4–1.1	0.64S	133.18E	34	5.5b,5.4b		
NEIC	I	04 00 00 38.1–.19	0.69S	133.28E	35	5.5b,5.4b		
DJA	I	04 00 00 41	0.91S	133.25E	45	5.6b,5.4b		

ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=9.9km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.1km az=159.2.
MOS Error ellipse: s-maj=12.4km s-min=5.6km az=111.1.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.1km az=65.0.

(196) Irian Jaya region

ISC	**I**	**04 00 05 11.7–.27**	**0.22S–.04**	**133.01E–.06**	**35–5**	**5.8s,5.3b**	**377**	**3-161**
IDC	I	04 00 05 05.9–.42	0.16S	133.02E	0	5.1,5.1		¶11712558
BJI	I	04 00 05 06.2	0.56S	133.37E	35	6.0b,5.8s		
NEIC	I	04 00 05 09.5–2.6	0.19S	132.99E	20–18	5.2b,5.8s		
ISCJB	I	04 00 05 09.3–.22	0.16S–.03	133.16E–.04	32	5.7s,5.2b		
DJA	I	04 00 05 10	0.27S	133.13E	10	5.5b,5.2b		
MOS	I	04 00 05 10.1–1.1	0.12S	132.95E	33	5.4b,5.2b		

ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=11.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.4km az=173.3.
MOS Error ellipse: s-maj=12.8km s-min=6.1km az=113.5.

(196) Irian Jaya region

ISC	**I**	**04 00 55 35.6–.37**	**0.20S–.04**	**132.96E–.06**	**34–1**	**5.8s,5.1b**	**278**	**3-154**
BJI	I	04 00 55 29.7	0.63S	133.21E	35	5.9s,5.6b		¶11528211
IDC	I	04 00 55 30.1–.51	0.21S	132.88E	0	4.8,4.7b		
ISCJB	I	04 00 55 33.3–.23	0.13S–.02	133.08E–.04	32	5.7s,5.0b		
MOS	I	04 00 55 34.5–.97	0.05S	132.79E	33	5.3b,5.0b		
NEIC	I	04 00 55 36.2–1.2	0.19S	132.86E	39–11	5.1b,5.0b		
DJA	I	04 00 55 44	0.74S	132.69E	83	5.1b,5.0b		

ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=10.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=176.4.
MOS Error ellipse: s-maj=16.4km s-min=7.0km az=114.9.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.6km az=63.0.

(196) Irian Jaya region

ISC	**I**	**04 02 10 39.1–.49**	**0.45S–.07**	**132.92E–.10**	**32**	**4.8b**	**73**	**3-153**
IDC	I	04 02 10 34.5–.74	0.47S	132.90E	0	4.8L,4.8s		¶12080054
ISCJB	I	04 02 10 37.4–.39	0.45S–.04	132.95E–.06	32	4.8s,4.6b		
BJI	I	04 02 10 38.5	0.66S	133.09E	60	5.1b,4.6b		
DJA	I	04 02 10 38.1–.50	0S–6.0	133E–5.0	10	5.8b,5.3		
NEIC	I	04 02 10 38.8–.30	0.54S	132.63E	25	4.7b,5.3		

ISC Event type se.
IDC Error ellipse: s-maj=45.4km s-min=15.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.6km az=156.2.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=5.4km az=64.0.

(196) Irian Jaya region

ISC	**I**	**04 05 44 04.9–.30**	**0.73S–.03**	**133.27E–.04**	**34–0**	**5.3b,4.8s**	**537**	**2-161**
BJI	I	04 05 43 56.6	1.37S	133.61E	31	5.5b,5.2b		¶11528226
IDC	I	04 05 43 59.6–.47	0.67S	133.23E	0	5.3,5.3		
MOS	I	04 05 44 02.9–1.2	0.67S	133.11E	33	5.5b,4.6s		
ISCJB	I	04 05 44 04.9–.57	0.69S–.03	133.30E–.03	50–5	5.3b,4.8s		
NEIC	I	04 05 44 04.4–.14	0.67S	133.19E	32	5.3b,4.8s		
TEH	I	04 05 44 05.0	0.70S	133.19E	35	5.4L,4.8s		
DJA	I	04 05 44 07	0.76S	133.30E	42	5.4W,4.8s		

ISC Event type fe.
IDC Error ellipse: s-maj=25.8km s-min=12.5km az=78.0.
MOS Error ellipse: s-maj=10.9km s-min=5.7km az=104.2.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.2km az=39.4.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=70.0. Felt [IV] at Manokwari.

(196) Irian Jaya region

ISC	**I**	**04 07 14 00.6–.30**	**0.43S–.03**	**132.88E–.03**	**34–0**	**5.4b,5.4s**	**535**	**3-161**
BJI	I	04 07 13 52.0	1.14S	133.17E	35	5.7b,5.6s		¶11528232
IDC	I	04 07 13 55.1–.51	0.41S	132.79E	0	5.4,5.3s		
MOS	I	04 07 13 58.4–1.4	0.39S	132.75E	33	5.6b,5.3s		
ISCJB	I	04 07 13 59.1–.17	0.25S–.02	132.99E–.03	33	5.4s,5.4b		
NEIC	I	04 07 14 00.6–.18	0.40S	132.76E	35	5.5b,5.4b		
TEH	I	04 07 14 00.0	0.43S	133.17E	47	6.0L,5.4b		
DJA	I	04 07 14 08	0.67S	132.89E	43	5.8W,5.4b		

ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=13.7km az=71.0.
MOS Error ellipse: s-maj=10.8km s-min=5.5km az=110.7.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.5km az=174.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.5km az=65.0.

(196) Irian Jaya region

ISC	**I**	**04 13 10 47.5–.38**	**0.32S–.04**	**132.71E–.08**	**35–2**	**4.9b,4.4s**	**206**	**13-154**
IDC	I	04 13 10 42.8–.63	0.16S	132.74E	0	4.7,4.6		¶11528254
BJI	I	04 13 10 43.6	0.49S	132.89E	35	5.0b,4.8b		
ISCJB	I	04 13 10 43.5–1.6	0.18S–.05	132.72E–.07	15–11	4.8b,4.4s		
MOS	I	04 13 10 46.1–1.1	0.13S	132.71E	33	5.1b,4.4s		
NEIC	I	04 13 10 48.1–.23	0.22S	132.71E	35	4.8b,4.4s		
DJA	I	04 13 10 49	0.17S	132.59E	30	5.5b,4.4s		

ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=14.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.4km az=153.8.
MOS Error ellipse: s-maj=17.6km s-min=7.1km az=117.6.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.9km az=61.0.

(49) Gulf of California

ISC	**I**	**05 10 59 31.6–.32**	**23.90N–.04**	**108.82W–.04**	**19–1**	**5.6b,5.2s**	**1789**	**1-157**
BJI	I	05 10 59 28.6	23.68N	108.94W	20	5.7b,5.4s		¶13404614
MOS	I	05 10 59 28.4–1.3	23.81N	108.77W	10	5.7b,5.3s		
NEIC	I	05 10 59 30.5–.24	23.81N	108.76W	10	5.7b,5.5W		
MEX	I	05 10 59 30.6–.55	23.82N	108.94W	19–44	5.5,5.5W		
ISCJB	I	05 10 59 30.6–.18	23.89N–.02	108.71W–.02	20	5.5b,5.2s		
IDC	I	05 10 59 31.7–.41	23.89N	108.82W	19–2	5.0,5.0		
SZGRF	I	05 10 59 36.6	26.04N	112.59W	33	5.5b,5.4s		

ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=3.9km az=92.5.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=221.0. Felt [II] at Cabo San Lucas, La Paz and Los Cabos, Mexico. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17} Nm; M_{rr}0.65 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$1.55 $M_{r\theta}$0.08 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.29 Best double couple: NP1: ϕ_s213.00000°,δ79.00000°,λ10.00000°. NP2:ϕ_s122.00000°,δ80.00000°,λ169.00000°. Principal axes: T 1.8200,Plg14.0000°,Azm77.0000°; N 0.5700,Plg75.0000°,Azm259.0000° ; P -2.3900,Plg0.0000°,Azm167.0000° $M_0$2.20000×10^{17}
MEX Error ellipse: s-maj=15.5km s-min=7.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=136.0.
IDC Error ellipse: s-maj=16.0km s-min=8.2km az=60.0.
SZGRF Baja California, Mexico.

(196) Irian Jaya region

ISC	**I**	**05 19 24 03.3–.33**	**0.64S–.03**	**133.30E–.04**	**33–1**	**5.3b,4.7s**	**464**	**2-161**
IDC	I	05 19 23 58.2–.43	0.62S	133.25E	0	5.2,5.1		¶11528553
BJI	I	05 19 23 59.8	0.83S	133.49E	36	5.2b,5.1b		
NEIC	I	05 19 24 00.8–2.7	0.65S	133.28E	17–16	5.3b,4.8s		
ISCJB	I	05 19 24 01.7–.75	0.64S–.03	133.39E–.03	36–6	5.3b,4.7s		
MOS	I	05 19 24 01.5–.98	0.64S	133.19E	33	5.6b,4.6s		
TEH	I	05 19 24 03.0	6.82S	133.26E	35	5.3L,4.6s		
DJA	I	05 19 24 08	0.78S	133.27E	56	5.3W,4.6s		

ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=10.6km az=78.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.0km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.3km az=144.7.
MOS Error ellipse: s-maj=11.6km s-min=5.4km az=109.6.

(177) Kermadec Islands region

ISC	**I**	**05 22 27 13.2–.35**	**27.54S–.04**	**176.56W–.05**	**43–2**	**5.3b,4.8s**	**611**	**2-175**
IDC	I	05 22 27 06.9–.45	27.45S	176.60W	0	5.1,5.1		¶13404624
ISCJB	I	05 22 27 10.9–2.8	27.45S–.04	176.77W–.04	30–19	5.3b,4.8s		
BJI	I	05 22 27 11.7	27.01S	175.83W	49	5.5b,5.5b		
MOS	I	05 22 27 11.6–1.1	27.38S	176.78W	33	5.4b,4.9s		
NEIC	I	05 22 27 13.9–1.2	27.48S	176.71W	47–10	5.2b,4.9s		
DJA	I	05 22 27 35	27.61S	177.33W	217	4.9b,4.9s		

ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=16.3km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.9km az=142.9.
MOS Error ellipse: s-maj=11.2km s-min=9.2km az=97.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.9km az=153.0.

(196) Irian Jaya region

ISC	**I**	**06 22 48 29.8–.28**	**0.69S–.03**	**133.44E–.03**	**34–0**	**5.9s,5.9b**	**838**	**5-168**
IDC	I	06 22 48 24.4–.33	0.61S	133.43E	0	5.8,5.8s		¶13404641
BJI	I	06 22 48 25.1	0.83S	133.85E	31	6.0b,5.7s		
NEIC	I	06 22 48 27.2–.14	0.66S	133.43E	16	6.0W,5.9b		
ISCJB	I	06 22 48 28.1–.47	0.66S–.02	133.55E–.02	33–4	5.8s,5.8b		
MOS	I	06 22 48 28.5–1.2	0.56S	133.41E	33	6.1b,5.7s		
DJA	I	06 22 48 33	0.82S	133.46E	51	6.1W,5.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.1km s-min=7.6km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=69.0. Felt [IV] at Manokwari and [III] at Sorong. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s120.00000°,δ80.00000°,λ-100.00000°. NP2: ϕ_s345.00000°,δ14.00000°,λ-45.00000°. Principal axes: T Plg34.0000°,Azm219.0000° ; N Plg0.0000°,Azm0.0000°; P Plg54.0000°,Azm18.0000° Moment Tensor Solution. s57 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.62 $M_{\theta\theta}$-3.84 $M_{\phi\phi}$4.46 $M_{r\theta}$-5.62 $M_{\theta\phi}$-2.26 $M_{\phi r}$2.92 Best double couple: NP1:ϕ_s28.00000°,δ37.00000°,λ-5.00000°. NP2:ϕ_s122.00000° ,δ87.00000°,λ-127.00000°. Principal axes: T 7.7500,Plg32.0000°,Azm241.0000° ; N 0.3200,Plg36.0000°,Azm123.0000°; P -8.0800,Plg36.0000°,Azm359.0000° $M_0$7.90000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=143.9.
MOS Error ellipse: s-maj=8.9km s-min=5.1km az=111.1.

(78) Costa Rica

ISC	**I**	**08 19 21 34.8–.54**	**10.22N–.02**	**84.22W–.02**	**11–2**	**6.0s,5.5b**	**2118**	**0-178**
CASC	I	08 19 21 30.8–17	10.55N	83.89W	6–37	5.7b,5.1		¶13962308
SZGRF	I	08 19 21 33.4	10.40N	84.71W	33	6.2s,5.2b		
IDC	I	08 19 21 33.5–.39	10.46N	84.13W	0	5.9,5.9s		
ISCJB	I	08 19 21 34.9–.53	10.31N–.02	84.23W–.01	14–3	6.0s,5.5b		
BJI	I	08 19 21 35.1	10.20N	84.20W	5	6.5s,6.3		
NEIC	I	08 19 21 35.6–.15	10.17N	84.20W	14	6.1W,6.1W		
MOS	I	08 19 21 38.2–1.2	10.32N	84.34W	33	6.0s,5.6b		

ISC Event type de.
CASC Error ellipse: s-maj=21.7km s-min=17.1km az=-1.0. Moment Tensor Solution. NP1: ϕ_s30.48000°,δ48.44000°,λ30.79000°.
SZGRF Costa Rica.
IDC Error ellipse: s-maj=17.8km s-min=6.6km az=67.0.
ISCJB Event type de. Error ellipse: s-maj=3.7km s-min=1.9km az=25.1.
NEIC Event type de. Error ellipse: s-maj=3.6km s-min=2.3km az=206.0. At least 23 people killed, 100 injured and 17 missing in central Costa Rica. Many of the casualties were caused by landslides. A total of 518 houses destroyed or damaged at Barrio Fatima de Heredia, Barrio Santa Cecilia de Aserri, Cinchona, Dulce Nombre de Alajuela, Infiernillo, Leon XIII, Los Guido, Poasito, Rio Cuarto, Sabana Redonda, Santa Rosa de Poas and Vara Blanca. Roads were damaged in the Cinchona and Vara Blanca areas and bridges were destroyed or damaged at Los Angeles, Rio Cuarto de Grecia and Bajos del Toro. Electricity was disrupted in parts of San Jose. Felt [VII] at Naranjo and [VI] at Alajuela, Asuncion, Cinco Esquinas, Escazu, Grecia, Heredia, Llorente, Mercedes, Sabanilla, San Francisco, San Jose, San Josecito, San Juan, San Pablo, San Rafael, San Vicente and Santa Ana. Felt throughout Costa Rica and in southern and central Nicaragua. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ70.00000°,λ-15.00000°. NP2:ϕ_s135.00000°,δ76.00000°,λ-159.00000°. Principal axes: T Plg4.0000°,Azm272.0000° ; N Plg0.0000°,Azm0.0000°; P Plg24.0000°,Azm4.0000° Moment Tensor Solution. s67 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.43 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$1.89 $M_{r\theta}$-0.08 $M_{\theta\phi}$-0.76 $M_{\phi r}$0.05 Best double couple: NP1:ϕ_s33.00000°,δ87.00000°,λ-1.00000°. NP2:ϕ_s123.00000° ,δ89.00000°,λ-177.00000°. Principal axes: T 2.0600,Plg1.0000°,Azm257.0000° ; N -0.4300,Plg86.0000°,Azm143.0000°; P -1.6300,Plg3.0000°,Azm347.0000° $M_0$1.90000×10^{18} Moment Tensor Solution. $M_0$2.00000×10^{18}
MOS Error ellipse: s-maj=6.8km s-min=4.3km az=98.1.

(421) Carlsberg Ridge

ISC	**I**	**09 03 44 39.1–.33**	**10.43N–.04**	**57.03E–.03**	**13–1**	**5.3b,5.2s**	**1348**	**8-163**
BJI	I	09 03 44 27.9	9.73N	56.22E	5	5.5s,5.4b		¶11534431
IDC	I	09 03 44 36.9–.44	10.42N	57.07E	0	5.1s,5.1		
ISCJB	I	09 03 44 37.1–.57	10.36N–.03	56.97E–.02	13–3	5.3b,5.2s		
BGS	I	09 03 44 37.9–2.3	10.44N	56.96E	10	5.1b,5.2s		
MOS	I	09 03 44 37.2–1.2	10.50N	56.94E	10	5.5b,5.1s		
NEIC	I	09 03 44 38.8–.18	10.44N	56.96E	10	5.7W,5.4b		
STR	I	09 03 44 38.4–.00	11.42N	57.90E		5.2b,5.4b		
CSEM	I	09 03 44 38.9–.11	10.41N	56.98E	10	5.6W,5.4b		
DJA	I	09 03 44 39	10.47N	57.00E	10	5.2b,5.4b		
OMAN	I	09 03 44 41.0–1.4	10.51N	57.19E	10	5.2b,5.4b		
SZGRF	I	09 03 44 45.2	10.29N	54.75E	10	5.2b,5.4b		
DHMR	I	09 03 44 45.5–3.2	11.15N	56.89E	35–999	5.6b,5.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=12.6km s-min=11.3km az=24.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=10.5.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=3.5km az=108.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.2km az=10.0. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.42 $M_{\theta\theta}$-3.30 $M_{\phi\phi}$2.88 $M_{r\theta}$-0.32 $M_{\theta\phi}$-2.45 $M_{\phi r}$-0.95 Best double couple: NP1:ϕ_s206.00000°,δ86.00000°,λ15.00000°. NP2:ϕ_s115.00000° ,δ75.00000°,λ176.00000°. Principal axes: T 3.9100,Plg12.0000°,Azm71.0000° ; N 0.3200,Plg74.0000°,Azm219.0000°; P -4.2400,Plg7.0000°,Azm340.0000° $M_0$4.10000×10^{17}
STR Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=7.0.
OMAN Error ellipse: s-maj=2.7km s-min=1.6km az=225.0.
SZGRF Carlsberg Ridge.
DHMR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(249) Luzon

ISC	**I**	**09 07 28 45.8–.31**	**16.19N–.03**	**119.71E–.04**	**58–2**	**5.1b,4.3s**	**492**	**0-172**
MOS	I	09 07 28 41.1–1.4	16.20N	119.55E	33	5.3b,4.1s		¶13404690
MAN	I	09 07 28 42	16.20N	119.55E	6	5.6b,5.1s		
IDC	I	09 07 28 42.1–.45	16.15N	119.72E	30–3	4.7L,4.7		
ISCJB	I	09 07 28 45.3–.45	16.17N–.02	119.80E–.03	70–4	5.0b,4.7		
BJI	I	09 07 28 45.6	16.38N	119.83E	61	5.0b,4.8b		
NEIC	I	09 07 28 46.2–.55	16.09N	119.74E	66–5	5.2b,4.8b		
DJA	I	09 07 28 54	15.86N	119.43E	95	4.9b,4.8b		

ISC Event type fe.
MOS Error ellipse: s-maj=12.9km s-min=5.9km az=107.0.
MAN Event type fe. Intensity III - Pasig City; Manila City Intensity II - Makati City; Quezon City; Bolinao Pangasinan.
IDC Error ellipse: s-maj=17.5km s-min=9.3km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=168.1.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.9km az=74.0. Felt [III PIVS] at Manila and Pasig; [II PIVS] at Bolinao, Makati and Quezon City. Also felt at San Jacinto.

(196) Irian Jaya region

ISC	**I**	**09 14 35 22.5–.35**	**0.65S–.04**	**133.83E–.05**	**34–0**	**5.1b,4.2s**	**369**	**2-153**
TEH	I	09 14 35 00.0	0.68S	133.79E	35	5.2L,4.2s		¶11534456
IDC	I	09 14 35 16.9–.48	0.72S	133.81E	0	4.8,4.8b		
BJI	I	09 14 35 19.0	0.76S	133.95E	31	5.2b,5.0b		
MOS	I	09 14 35 20.2–.93	0.73S	133.73E	33	5.3b,5.0b		
ISCJB	I	09 14 35 21.6–.69	0.72S–.04	133.80E–.04	44–6	5.0b,4.2s		
DJA	I	09 14 35 21	0.64S	133.78E	17	5.3b,4.2s		
NEIC	I	09 14 35 22.2–.18	0.71S	133.78E	35	5.2b,4.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=23.6km s-min=9.8km az=82.0.
MOS Error ellipse: s-maj=12.9km s-min=6.1km az=110.1.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.4km az=40.6.

NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.1km az=76.0. Felt [IV] at Manokwari.

(196) Irian Jaya region

ISC	**I**	**10 22 17 56.1–.35**	**0.49S–.04**	**132.83E–.06**	**32**	**4.8b,4.0s**	**153**	**2-153**
IDC	I	10 22 17 50.8–.57	0.40S	132.88E	0	4.7,4.6		¶11534726
BJI	I	10 22 17 53.6	0.65S	132.78E	36	5.1b,4.8s		
ISCJB	I	10 22 17 53.9–.27	0.44S–.03	132.88E–.05	32	4.8b,4.1s		
DJA	I	10 22 17 56	0.54S	132.77E	17	5.1b,4.1s		
NEIC	I	10 22 17 56.1–.16	0.45S	132.81E	35	4.8b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=12.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=163.8.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.0km az=66.0.

(196) Irian Jaya region

ISC	**I**	**11 14 15 55.2–.31**	**0.92S–.04**	**133.51E–.06**	**29**	**4.8b,4.2s**	**211**	**2-153**
IDC	I	11 14 15 50.5–.51	0.76S	133.43E	0	5.1L,4.8		¶11594530
BJI	I	11 14 15 51.6	1.23S	133.38E	28	5.2b,4.8s		
MOS	I	11 14 15 53.7–1.1	0.79S	133.39E	33	5.0b,4.8s		
ISCJB	I	11 14 15 53.0–.24	0.74S–.03	133.64E–.04	29	4.8b,4.2s		
DJA	I	11 14 15 54	0.92S	133.57E	10	5.4b,4.2s		
NEIC	I	11 14 15 54.6–2.9	0.77S	133.51E	27–20	4.9b,4.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=25.1km s-min=11.6km az=77.0.
MOS Error ellipse: s-maj=17.0km s-min=6.8km az=115.4.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=162.0.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=5.4km az=58.0. Felt [III] at Manokwari.

(175) South of Tonga Islands

ISC	**I**	**11 18 29 06.5–.40**	**26.79S–.05**	**175.89W–.06**	**17–1**	**5.3b,4.7s**	**580**	**3-166**
IDC	I	11 18 29 03.7–.38	26.73S	176.01W	0	5.0,5.0		¶11594539
BJI	I	11 18 29 04.8	26.42S	175.72W	8	5.9b,5.3s		
NEIC	I	11 18 29 04.3–.33	26.73S	175.97W	6–2	5.4b,5.3s		
ISCJB	I	11 18 29 05.2–.15	26.80S–.05	176.14W–.04	15	5.3b,4.7s		
MOS	I	11 18 29 08.9–1.3	26.50S	176.14W	33	5.4b,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=14.0km az=171.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.7km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.2km az=150.5.
MOS Error ellipse: s-maj=13.4km s-min=11.5km az=129.9.

(429) Mid-Indian Ridge

ISC	**I**	**13 01 04 41.7–.27**	**13.50S–.04**	**66.03E–.03**	**16–1**	**5.6s,5.4b**	**1121**	**9-162**
IDC	I	13 01 04 36.2–.40	13.74S	66.16E	0	5.4,5.4s		¶13989108
ISCJB	I	13 01 04 39.8–.19	13.66S–.04	66.03E–.03	14	5.6s,5.3b		
DJA	I	13 01 04 41	13.66S	66.10E	10	5.6b,5.3b		
MOS	I	13 01 04 41.2–2.3	13.12S	66.93E	10	5.5s,5.5b		
NEIC	I	13 01 04 42.6–.27	13.15S	66.08E	10	6.0W,5.9W		
BJI	I	13 01 04 44.0	12.26S	65.65E	10	5.8s,5.5b		

ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=12.0km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=177.8.
MOS Error ellipse: s-maj=10.3km s-min=4.9km az=105.8.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.9km az=177.0. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$-7.88 $M_{\phi\phi}$6.57 $M_{r\theta}$-0.64 $M_{\theta\phi}$3.02 $M_{\phi r}$-0.65 Best double couple: NP1:ϕ_s237.00000°,δ87.00000°,λ7.00000°. NP2:ϕ_s146.00000° ,δ83.00000°,λ177.00000°. Principal axes: T 7.2700,Plg7.0000°,Azm101.0000° ; N 1.2400,Plg82.0000°,Azm259.0000°; P -8.5100,Plg2.0000°,Azm11.0000° M_o8.00000×10^{17}

(174) Tonga Islands region

ISC	**I**	**13 10 38 17.3–.33**	**22.78S–.07**	**175.20W–.06**	**30**	**5.1b,4.3s**	**388**	**8-170**
BJI	I	13 10 38 15.0	22.58S	174.58W	35	5.6b,5.4s		¶11594604
ISCJB	I	13 10 38 16.5–.21	22.78S–.06	175.22W–.05	39	5.0b,4.3s		
IDC	I	13 10 38 18.0–.64	22.70S	175.29W	37–5	4.6,4.6		
NEIC	I	13 10 38 18.0–.23	22.79S	175.21W	40	5.0b,4.6		
MOS	I	13 10 38 20.1–3.5	22.28S	175.58W	33	5.2b,4.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.2km az=154.3.
IDC Error ellipse: s-maj=18.6km s-min=12.1km az=147.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.0km az=147.0.
MOS Error ellipse: s-maj=12.3km s-min=11.1km az=41.5.

(219) Off east coast of Kamchatka Peninsula

ISC	**I**	**14 05 14 22.9–.33**	**52.23N–.04**	**159.30E–.03**	**60–2**	**5.2b,5.0s**	**1171**	**1-148**
IDC	I	14 05 14 16.2–2.9	52.25N	159.39E	10–17	5.5L,4.8		¶13404848
MOS	I	14 05 14 17.9–1.0	52.25N	159.26E	31	5.2b,5.1s		
KRSC	I	14 05 14 19.0–1.6	52.17N	159.70E	11–11	5.5L,5.1s		
BJI	I	14 05 14 20.9	52.52N	159.25E	63	5.2s,5.2b		
DJA	I	14 05 14 21	52.34N	159.20E	25	5.3b,5.2b		
ISCJB	I	14 05 14 21.0–.34	52.16N–.02	159.38E–.02	59–2	5.1b,5.0s		
NEIC	I	14 05 14 23.3–.56	52.27N	159.29E	62–5	5.1b,5.0s		
TEH	I	14 05 14 24.0	52.37N	159.14E	66	5.0L,5.0s		
SZGRF	I	14 05 14 31.9	53.04N	157.82E	60	5.1b,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.9km s-min=9.3km az=166.0.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=4.1km az=95.4. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.1km az=171.8.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.8km az=165.0.
SZGRF Kamchatka Peninsula, Russia.

(307) Sichuan

ISC	**I**	**14 18 23 40.0–.38**	**31.18N–.03**	**103.40E–.03**	**23–2**	**4.9b,4.0s**	**488**	**0-169**
IDC	I	14 18 23 36.0–.57	31.16N	103.31E	0	4.7,4.7		¶11594683
BJI	I	14 18 23 36.8	31.26N	103.21E	15	5.0L,4.9b		
ISCJB	I	14 18 23 36.2–.93	31.17N–.02	103.37E–.02	10–5	4.8b,4.0s		
NEIC	I	14 18 23 37.8–1.9	31.18N	103.32E	10–12	5.0b,4.0s		
MOS	I	14 18 23 39.6–.98	31.16N	103.38E	33	5.0b,4.0s		
TEH	I	14 18 23 42.2	31.57N	103.41E	33	5.2L,4.0s		
DJA	I	14 18 23 42	31.44N	103.17E	10	5.0b,4.0s		
SZGRF	I	14 18 23 55.3	33.26N	102.78E	33	4.9b,4.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=13.0km az=27.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=3.0km az=13.9.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.0km az=189.0. Felt [II] at Chengdu.
MOS Error ellipse: s-maj=7.1km s-min=4.3km az=117.1.
SZGRF Sichuan, China.

(189) Southeast of Loyalty Islands

ISC	**I**	**15 07 27 19.8–.34**	**22.26S–.03**	**170.64E–.03**	**22–2**	**6.4s,5.8b**	**2456**	**3-170**
NOU	I	15 07 27 14.8–1.1	20.92S	170.82E	10	4.4L,3.7		¶13989118
IDC	I	15 07 27 17.0–.36	22.24S	170.59E	0	6.2,6.2s		
ISCJB	I	15 07 27 17.7–1.0	22.31S–.03	170.60E–.02	19–7	6.4s,5.7b		
BJI	I	15 07 27 17.9	21.58S	170.91E	11	6.7b,6.4s		
LDG	I	15 07 27 18.2–.09	21.59S	170.74E	10	6.3s,6.0b		
NEIC	I	15 07 27 20.3–.12	22.35S	170.64E	27	6.7W,6.5s		
MOS	I	15 07 27 20.7–1.4	22.19S	170.60E	33	6.4s,5.9b		
SZGRF	I	15 07 27 21.4	22.36S	171.04E	33	6.4b,5.9b		
BGS	I	15 07 27 22.3–4.8	22.35S	170.64E	27	5.8b,5.9b		
DJA	I	15 07 27 27	22.32S	170.41E	68	6.5W,5.9b		

ISC Event type fe.
NOU Error ellipse: s-maj=73.7km s-min=28.2km az=-1.0.
IDC Error ellipse: s-maj=10.8km s-min=9.5km az=10.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.8km az=175.4.
LDG Event type ke. Error ellipse: s-maj=11.0km s-min=4.3km az=170.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=158.0. Felt at Noumea, New Caledonia. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s48 Moment tensor: Scale 10^{18} Nm; M_{rr}4.11 $M_{\theta\theta}$-2.23 $M_{\phi\phi}$-1.88 $M_{r\theta}$1.60 $M_{\theta\phi}$1.70 $M_{\phi r}$-1.36 Best double couple: NP1: ϕ_s313.00000°,δ31.00000°,λ91.00000°. NP2:ϕ_s131.00000°,δ59.00000°,λ89.00000°. Principal axes: T 4.6400,Plg75.0000°,Azm39.0000°; N -0.3500,Plg0.0000°,Azm131.0000° ; P -4.2900,Plg14.0000°,Azm221.0000° M_o4.50000×10^{18} Moment Tensor Solution. M_o7.30000×10^{18}
MOS Error ellipse: s-maj=7.6km s-min=7.1km az=143.1.
SZGRF Southeast of Loyalty Islands.
BGS Error ellipse: s-maj=233.2km s-min=999.9km az=-1.0.

(173) Tonga Islands

ISC	**I**	**15 07 33 48.8–.56**	**20.8S–.10**	**173.9W–.10**	**26**	**4.6b**	**80**	**7-153**
IDC	I	15 07 33 44.8–.65	20.82S	173.85W	0	5.8,5.6s		¶11594707
ISCJB	I	15 07 33 47.0–.44	20.8S–.10	174.0W–.10	26	5.8s,4.7b		
NEIC	I	15 07 33 49.7–.47	20.93S	173.74W	35	4.9b,4.7b		

ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=17.8km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=9.7km az=138.8.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=11.5km az=147.0.

(189) Southeast of Loyalty Islands

ISC	**I**	**15 13 02 31.0–.31**	**22.60S–.05**	**170.61E–.04**	**33**	**5.0b,4.9s**	**263**	**3-166**
IDC	I	15 13 02 25.5–.65	22.54S	170.67E	0	4.9s,4.9		¶11594719
ISCJB	I	15 13 02 29.2–.29	22.59S–.04	170.56E–.04	33	5.0b,4.9s		
MOS	I	15 13 02 30.5–1.4	22.39S	170.40E	35	5.1b,4.9s		
DJA	I	15 13 02 30	22.56S	170.76E	36	5.1b,4.9s		
BJI	I	15 13 02 30.4	22.60S	170.40E	35	5.5b,5.3s		
NEIC	I	15 13 02 31.2–.30	22.54S	170.43E	35	5.3b,5.3s		

ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=16.3km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=3.6.
MOS Error ellipse: s-maj=12.5km s-min=10.2km az=177.1.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.9km az=128.0.

(222) East of Kuril Islands

ISC	**I**	**15 17 49 38.4–.24**	**46.83N–.03**	**155.25E–.02**	**31–1**	**7.5s,6.8b**	**3446**	**4-167**
NIED	I	15 17 49 00	47.00N	155.20E	35	7.2W,6.8b		¶13962368
KRSC	I	15 17 49 32.6–4.1	46.56N	155.88E	22–21	7.3L,6.8b		
ISCJB	I	15 17 49 36.9–.07	46.86N–.02	155.22E–.01	30	7.5s,6.7b		
JMA	I	15 17 49 37.1–1.0	47.00N	155.17E	30	7.4,6.7b		
BGS	I	15 17 49 37.9–1.8	46.48N	154.54E	33	7.5s,6.4b		
SKHL	I	15 17 49 37.3–.70	46.96N	155.34E	50–18	7.7b,7.6s		
MOS	I	15 17 49 38.1–.89	46.98N	155.26E	38	7.6s,7.0b		
NEIC	I	15 17 49 39.1–.09	46.86N	155.15E	36	7.5s,7.4W		
TEH	I	15 17 49 39.0	46.86N	155.16E	36	7.4L,7.4W		
BJI	I	15 17 49 40.6	47.08N	154.65E	36	7.3s,7.3b		
IDC	I	15 17 49 40.9–2.4	46.85N	155.16E	53–21	7.4,7.4s		
SZGRF	I	15 17 49 47.3	47.96N	154.39E	33	7.9s,7.0b		
DJA	I	15 17 49 54	46.62N	155.09E	148	7.4W,7.0b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ90.00000°,λ-3.00000°. NP2:ϕ_s222.00000°,δ87.00000°,λ-180.00000°. M_o6.94000×10^{19}
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.3km az=167.3.
JMA Event type fe. Error ellipse: s-maj=10.0km s-min=9.1km az=-1.0.
BGS Error ellipse: s-maj=223.3km s-min=533.0km az=-1.0.
SKHL Event type fe. Felt (IV-V) at Severo-Kurilsk, (III-IV) at Yushno-Kurilsk, (III) at Malokurilskoe.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=3.6km az=89.0. Fault plane solution: P-wave C59, D27 . Felt (IV-V) at Severo-Kuril'sk, (III-IV) at Yuzhno-Kuril'sk, (III) at Malokuril'skoye, Petropavlovsk-Kamchatskiy. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s349.00000°,δ39.00000°,λ50.00000°. NP2: ϕ_s216.00000°,δ61.00000°,λ118.00000°. Principal axes: T Plg63.0000°,Azm173.0000° ; N Plg24.0000°,Azm22.0000°; P Plg12.0000°,Azm286.0000° M_o1.20000×10^{20}
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=159.0. Felt at Petropavlovsk-Kamchatskiy. Recorded [2 JMA] in eastern and southern Hokkaido. Also recorded [2 JMA] in Aomori, Iwate and Miyagi; [1 JMA] in Akita, Honshu. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s200.00000° ,δ55.00000°,λ90.00000°. NP2:ϕ_s20.00000°,δ35.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm110.0000°; N Plg0.0000°,Azm0.0000°; P Plg10.0000°,Azm290.0000° Moment Tensor Solution. s189 Moment tensor: Scale 10^{20}Nm; M_{rr}0.73 $M_{\theta\theta}$0.42 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.37 $M_{\phi r}$-0.03 Best double couple: NP1:ϕ_s182.00000°,δ47.00000°,λ75.00000°. NP2:ϕ_s24.00000°,δ45.00000°,λ106.00000°. Principal axes: T 0.7300,Plg78.0000° ,Azm15.0000°; N 0.5000,Plg11.0000°,Azm192.0000°; P -1.2300,Plg0.0000°,Azm282.0000° M_o1.10000×10^{20} Moment Tensor Solution. M_o1.80000×10^{20}
IDC Error ellipse: s-maj=13.2km s-min=8.9km az=133.0.
SZGRF Kuril Islands, Russia.

(189) Southeast of Loyalty Islands

ISC	**I**	**16 19 55 25.0–.29**	**22.29S–.04**	**170.33E–.03**	**42–2**	**5.4s,5.2b**	**519**	**3-168**
SZGRF	I	16 19 55 17.5	22.22S	172.38E	33	5.2b,5.2b		¶13989135
DJA	I	16 19 55 17	22.58S	170.83E	10	5.3b,5.2b		
NOU	I	16 19 55 18.9–1.1	20.72S	170.31E	10	3.7,3.5L		
IDC	I	16 19 55 19.2–.49	22.22S	170.18E	0	5.1,5.1s		
ISCJB	I	16 19 55 19.5–1.2	22.33S–.04	170.33E–.03	16–8	5.3s,5.1b		
NEIC	I	16 19 55 22.3–1.8	22.30S	170.27E	22–12	5.8W,5.5s		
BJI	I	16 19 55 22.8	22.10S	170.58E	40	5.7b,5.4s		
BGS	I	16 19 55 23.5–4.7	22.30S	170.27E	22	5.3b,5.4s		
MOS	I	16 19 55 24.8–1.9	22.07S	169.92E	33	5.3b,5.1s		

ISC Event type se.
SZGRF Southeast of Loyalty Islands.
NOU Error ellipse: s-maj=53.6km s-min=25.3km az=-1.0.
IDC Error ellipse: s-maj=15.7km s-min=13.7km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=1.2.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.9km az=54.0.
BGS Error ellipse: s-maj=225.1km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=11.6km s-min=8.7km az=131.8.

(196) Irian Jaya region

ISC	**I**	**17 07 50 28.6–1.1**	**0.54S–.07**	**132.8E–.10**	**33**	**3.6b**	**10**	**2-65**
IDC	I	17 07 50 23.6–1.2	0.38S	132.57E	0	4.1L,3.9		¶12081519
DJA	I	17 07 50 25.6–.90	0S–6.0	133E–6.0	10	5.8b,5.3		

ISC Event type ke.

(222) East of Kuril Islands

ISC	**I**	**17 08 38 21.3–.35**	**44.03N–.03**	**150.55E–.03**	**42–2**	**5.4b,5.0s**	**1456**	**2-151**
NIED	I	17 08 38 00	44.30N	150.70E	5	5.4W,5.0s		¶13405783
IDC	I	17 08 38 15.0–.35	44.04N	150.69E	0	5.2,5.2		
SKHL	I	17 08 38 17.6–1.4	43.60N	150.60E	55–22	6.1b,6.0s		
DJA	I	17 08 38 17	43.78N	149.95E	10	5.4b,6.0s		
JMA	I	17 08 38 17.0–.60	44.28N	150.65E	30	5.3,6.0s		
NEIC	I	17 08 38 18.7–1.1	44.03N	150.65E	22–7	5.4b,6.0s		
MOS	I	17 08 38 19.5–.87	43.94N	150.62E	43	5.5b,5.1s		
ISCJB	I	17 08 38 19.4–.10	43.94N–.02	150.61E–.01	43	5.3b,5.0s		
BJI	I	17 08 38 20.8	44.23N	150.26E	37	5.6b,5.3b		
TEH	I	17 08 38 21.0	44.01N	150.63E	44	5.4L,5.3b		
SZGRF	I	17 08 38 22.1	44.19N	151.12E	33	5.2b,5.2s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s245.00000°,δ53.00000°,λ-93.00000°. NP2:ϕ_s71.00000°,δ37.00000°,λ-85.00000°. M_o1.23000×10^{17}
IDC Error ellipse: s-maj=13.0km s-min=8.9km az=136.0.
JMA Error ellipse: s-maj=5.6km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.1km az=159.0.
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=104.3.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=1.4km az=171.2.
SZGRF East of Kuril Islands, Russia.

(178) Kermadec Islands

ISC	**I**	**18 14 11 48.7–.35**	**30.23S–.03**	**177.86W–.03**	**31–2**	**6.1s,6.0b**	**2451**	**1-173**
SZGRF	I	18 14 11 42.1	30.77S	177.15W	33	6.4b,6.0b		¶13989162
BJI	I	18 14 11 43.7	29.55S	177.40W	7	6.6b,6.2s		
DJA	I	18 14 11 45	29.97S	177.72W	10	6.4W,6.2s		
ISCJB	I	18 14 11 45.9–.08	30.35S–.02	178.03W–.03	23	6.1s,6.0b		
MOS	I	18 14 11 48.4–.95	30.04S	177.94W	33	6.2b,6.1s		
NEIC	I	18 14 11 48.9–.10	30.20S	177.95W	33	6.4W,6.3W		
IDC	I	18 14 11 51.8–.96	30.19S	177.99W	51–7	6.0,5.9s		

ISC Event type se.
SZGRF Kermadec Islands, New Zealand.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=1.9km az=36.3.
MOS Error ellipse: s-maj=8.8km s-min=6.9km az=81.8.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.1km az=124.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s46 Moment tensor: Scale 10^{18}Nm; M_{rr}3.20 $M_{\theta\theta}$-1.09 $M_{\phi\phi}$-2.11 $M_{r\theta}$0.28 $M_{\theta\phi}$-1.32 $M_{\phi r}$0.67 Best double couple: NP1:ϕ_s32.00000°,δ52.00000°,λ87.00000°. NP2: ϕ_s217.00000°,δ39.00000°,λ94.00000°. Principal axes: T 3.2900,Plg83.0000°,Azm283.0000° ; N -0.1900,Plg2.0000°,Azm33.0000°; P -3.1000,Plg6.0000°,Azm124.0000° M_o3.20000×10^{18}
IDC Error ellipse: s-maj=10.5km s-min=7.4km az=24.0.

(196) Irian Jaya region

ISC	**I**	**19 00 21 34.9–.32**	**0.47S–.04**	**131.93E–.05**	**31**	**4.9b,4.2s**	**182**	**2-136**
IDC	I	19 00 21 30.1–.57	0.55S	131.77E	0	4.6,4.5		**¶11610986**
ISCJB	I	19 00 21 32.9–.24	0.46S–.03	131.91E–.04	31	4.8b,4.2s		
MOS	I	19 00 21 33.3–1.1	0.51S	131.76E	33	5.1b,4.2s		
BJI	I	19 00 21 34.0	0.40S	131.80E	30	5.3b,4.9s		
NEIC	I	19 00 21 35.2–.18	0.50S	131.87E	35	4.9b,4.9s		
DJA	I	19 00 21 35	0.56S	131.73E	13	4.9b,4.9s		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=27.7km s-min=10.9km az=77.0.							
ISCJB	Event type fe. Error ellipse: s-maj=6.2km s-min=4.6km az=164.6.							
MOS	Error ellipse: s-maj=13.8km s-min=6.8km az=114.6.							
NEIC	Event type fe. Error ellipse: s-maj=6.7km s-min=3.5km az=61.0. Felt [IV] at Sorong.							
	(189) Southeast of Loyalty Islands							
ISC	**I**	**19 03 35 19.5–.34**	**22.56S–.04**	**170.96E–.03**	**16–1**	**6.4s,5.7b**	**1146**	**4-168**
SZGRF	I	19 03 35 15.4	22.88S	172.71E	33	6.5b,5.7b		**¶12790412**
IDC	I	19 03 35 16.8–.32	22.60S	170.90E	0	6.1,6.1		
NOU	I	19 03 35 17.7–1.2	20.14S	170.61E	10	3.6,3.3L		
NEIC	I	19 03 35 18.8–.15	22.60S	170.91E	12	6.5W,6.4s		
ISCJB	I	19 03 35 18.1–1.2	22.60S–.03	170.86E–.02	15–8	6.3s,5.6b		
LDG	I	19 03 35 19.5–.11	22.22S	170.11E	10	6.4s,5.8b		
BJI	I	19 03 35 19.3	21.94S	171.26E	21	6.4s,6.2b		
MOS	I	19 03 35 20.5–1.4	22.58S	170.82E	33	6.3s,5.9b		
DJA	I	19 03 35 25	22.70S	170.35E	13	6.5W,5.9b		
ISC	Event type ke.							
SZGRF	Southeast of Loyalty Islands.							
IDC	Error ellipse: s-maj=13.4km s-min=11.0km az=22.0.							
NOU	Error ellipse: s-maj=68.7km s-min=40.2km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=5.9km s-min=5.2km az=152.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s110.00000°,δ75.00000° ,λ85.00000°. NP2:ϕ_s309.00000°,δ16.00000°,λ108.00000°. Principal axes: T Plg60.0000° ,Azm13.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm204.0000° Moment Tensor Solution. s63 Moment tensor: Scale 10^{18}Nm; M_{rr}3.33 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-2.51 $M_{r\theta}$3.71 $M_{\theta\phi}$0.31 $M_{\phi r}$-0.15 Best double couple: NP1:ϕ_s331.00000°,δ22.00000°,λ129.00000°. NP2: ϕ_s110.00000°,δ73.00000°,λ76.00000°. Principal axes: T 5.5100,Plg59.0000°,Azm359.0000° ; N -2.3300,Plg13.0000°,Azm113.0000°; P -3.1700,Plg26.0000°,Azm210.0000° M_o4.80000×10^{18}							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=3.6km az=173.2.							
LDG	Event type ke. Error ellipse: s-maj=13.8km s-min=2.7km az=177.0.							
MOS	Error ellipse: s-maj=8.9km s-min=8.4km az=46.3.							
	(189) Southeast of Loyalty Islands							
ISC	**I**	**19 03 47 49.9–.82**	**22.6S–.20**	**170.83E–.08**	**32**	**4.8b**	**47**	**4-148**
NOU	I	19 03 46 32.9–1.9	21.96S	171.05E	10	3.8L,3.4		**¶12699008**
IDC	I	19 03 47 44.7–.96	22.76S	171.00E	0	5.0,4.9		
ISCJB	I	19 03 47 49.0–.79	22.6S–.20	170.71E–.08	32	4.7b,4.9		
NEIC	I	19 03 47 50.2–.73	22.58S	170.83E	35	4.8b,4.9		
ISC	Event type se.							
NOU	Error ellipse: s-maj=227.2km s-min=22.3km az=-1.0.							
IDC	Error ellipse: s-maj=46.4km s-min=17.7km az=163.0.							
ISCJB	Event type se. Error ellipse: s-maj=31.8km s-min=9.3km az=172.3.							
NEIC	Event type se. Error ellipse: s-maj=37.8km s-min=10.1km az=165.0.							
	(189) Southeast of Loyalty Islands							
ISC	**I**	**19 03 46 37.7–.38**	**22.53S–.06**	**170.84E–.06**	**37–2**	**5.7s,5.3b**	**672**	**4-166**
IDC	I	19 03 46 31.6–.40	22.52S	170.86E	0	5.8,5.8s		**¶12790413**
NOU	I	19 03 46 33.9–1.2	22.62S	170.99E	10	3.5L,3.3		
ISCJB	I	19 03 46 34.4–2.1	22.48S–.05	170.73E–.03	22–14	5.8s,5.2b		
MOS	I	19 03 46 34.9–2.0	22.82S	170.85E	33	5.5b,5.2b		
NEIC	I	19 03 46 37.5–.19	22.48S	170.81E	35	5.3b,5.2b		
BJI	I	19 03 46 43.4	21.89S	170.74E	75	5.4s,5.4		
DJA	I	19 03 47 03	22.50S	169.79E	208	5.2b,5.4		
SZGRF	I	19 03 47 06.7	22.74S	172.34E	290	5.2b,5.4		
ISC	Event type se.							
IDC	Error ellipse: s-maj=15.6km s-min=13.6km az=169.0.							
NOU	Error ellipse: s-maj=203.8km s-min=22.7km az=-1.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.9km s-min=4.6km az=6.3.							
MOS	Error ellipse: s-maj=25.8km s-min=13.7km az=171.9.							
NEIC	Event type se. Error ellipse: s-maj=7.0km s-min=6.0km az=160.0.							
SZGRF	Southeast of Loyalty Islands.							
	(189) Southeast of Loyalty Islands							
ISC	**I**	**19 22 26 54.6–.34**	**22.81S–.04**	**170.77E–.04**	**17–1**	**5.5b,5.2s**	**867**	**4-169**
SZGRF	I	19 22 26 50.5	23.47S	171.55E	33	5.5b,5.2s		**¶11611023**
IDC	I	19 22 26 51.6–.42	22.83S	170.75E	0	5.0,5.0s		
BJI	I	19 22 26 54.0	22.10S	171.02E	13	5.7b,5.4s		
ISCJB	I	19 22 26 55.4–1.6	22.83S–.04	170.69E–.03	31–11	5.3b,5.2s		
MOS	I	19 22 26 56.7–1.4	22.68S	170.72E	33	5.6b,5.2s		
NEIC	I	19 22 26 57.4–.13	22.79S	170.74E	35	5.5b,5.3s		
NOU	I	19 22 26 59.9–.69	18.93S	168.46E	30	3.6,3.3L		
DJA	I	19 22 27 13	22.91S	170.18E	148	5.3W,3.3L		
ISC	Event type se.							
SZGRF	Southeast of Loyalty Islands.							
IDC	Error ellipse: s-maj=15.6km s-min=12.9km az=174.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.3km s-min=4.3km az=172.9.							
MOS	Error ellipse: s-maj=9.7km s-min=8.5km az=6.5.							
NEIC	Event type se. Error ellipse: s-maj=4.2km s-min=4.0km az=151.0.							
NOU	Error ellipse: s-maj=34.4km s-min=88.5km az=-1.0.							
	(47) Off west coast of Baja California							
ISC	**I**	**19 23 50 47.3–.39**	**22.80N–.05**	**111.13W–.05**	**10**	**5.1b,4.6s**	**1127**	**1-130**
IDC	I	19 23 50 46.1–.58	22.90N	111.15W	0	4.8,4.7b		**¶13405858**
MOS	I	19 23 50 46.1–1.1	22.80N	111.09W	10	5.2b,4.7b		
ISCJB	I	19 23 50 46.6–.25	22.82N–.02	111.06W–.02	10	5.0b,4.6s		
BJI	I	19 23 50 46.0	22.80N	111.10W	10	5.6b,5.4s		
NEIC	I	19 23 50 48.0–.29	22.77N	111.09W	10	5.1b,5.1		
MEX	I	19 23 50 51.0–.28	23.04N	111.09W	15	5.1,5.1		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=19.0km s-min=13.4km az=62.0.							
MOS	Error ellipse: s-maj=8.5km s-min=4.2km az=89.5.							
ISCJB	Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=35.2.							
NEIC	Event type fe. Error ellipse: s-maj=5.3km s-min=3.1km az=222.0. Felt [II] at Cabo San Lucas. Also felt at La Paz and Los Cabos.							
MEX	Error ellipse: s-maj=4.2km s-min=3.6km az=-1.0.							
	(178) Kermadec Islands							
ISC	**I**	**21 09 34 19.0–.45**	**30.51S–.06**	**177.63W–.08**	**46–3**	**4.8b,4.0s**	**253**	**1-163**
BJI	I	21 09 34 15.4	30.29S	177.49W	30	5.7b,5.2s		**¶11615831**
ISCJB	I	21 09 34 18.1–.15	30.50S–.04	177.84W–.06	43	4.8b,4.1s		
NEIC	I	21 09 34 19.1–1.2	30.17S	177.73W	42–10	4.9b,4.1s		
IDC	I	21 09 34 21.4–.69	30.08S	177.74W	56–5	4.5,4.4		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.2km s-min=3.1km az=33.2.							
NEIC	Event type se. Error ellipse: s-maj=11.8km s-min=8.7km az=128.0.							
IDC	Error ellipse: s-maj=19.8km s-min=15.0km az=175.0.							
	(189) Southeast of Loyalty Islands							
ISC	**I**	**21 17 08 43.6–.32**	**22.68S–.04**	**171.15E–.04**	**29–1**	**5.8s,5.4b**	**1304**	**4-169**
SZGRF	I	21 17 08 37.6	23.07S	173.22E	33	6.0b,5.4b		**¶13433910**
NOU	I	21 17 08 38.2–1.3	19.94S	170.82E	10	3.7,3.2L		
IDC	I	21 17 08 39.2–.43	22.62S	171.00E	0	5.6s,5.6		
LDG	I	21 17 08 41.1–.09	21.96S	171.25E	10	5.8s,5.6b		
NEIC	I	21 17 08 43.0–.14	22.69S	171.04E	24	6.1W,5.9W		
ISCJB	I	21 17 08 42.8–.12	22.64S–.03	170.98E–.02	30	5.8s,5.4b		
DJA	I	21 17 08 42	22.60S	171.10E	17	5.9W,5.4b		
BJI	I	21 17 08 43.5	21.79S	171.42E	25	6.0b,5.9s		
MOS	I	21 17 08 44.4–1.2	22.40S	170.97E	33	5.8s,5.6b		
BGS	I	21 17 08 45.7–5.1	22.69S	171.04E	24	5.4b,5.6b		
TEH	I	21 17 08 45.0	22.73S	170.98E	35	5.9L,5.6b		
ISC	Event type ke.							
SZGRF	Southeast of Loyalty Islands.							
NOU	Error ellipse: s-maj=65.9km s-min=41.2km az=-1.0.							
IDC	Error ellipse: s-maj=15.0km s-min=13.0km az=169.0.							
LDG	Event type ke. Error ellipse: s-maj=10.7km s-min=3.7km az=172.0.							
NEIC	Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=153.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s100.00000°,δ70.00000° ,λ90.00000°. NP2:ϕ_s280.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000° ,Azm10.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm190.0000° Moment Tensor Solution. s49 Moment tensor: Scale 10^{17}Nm; M_{rr}7.61 $M_{\theta\theta}$-7.32 $M_{\phi\phi}$-0.29 $M_{r\theta}$4.35 $M_{\theta\phi}$3.41 $M_{\phi r}$-1.95 Best double couple: NP1:ϕ_s291.00000°,δ30.00000°,λ88.00000°. NP2:ϕ_s113.00000° ,δ60.00000°,λ91.00000°. Principal axes: T 8.9000,Plg74.0000°,Azm26.0000° ; N 1.0800,Plg1.0000°,Azm292.0000°; P -9.9900,Plg15.0000°,Azm202.0000° M_o9.50000×10^{17}							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=2.6km az=172.6.							
MOS	Error ellipse: s-maj=9.3km s-min=8.2km az=127.1.							
BGS	Error ellipse: s-maj=165.1km s-min=999.9km az=-1.0.							
	(222) East of Kuril Islands							
ISC	**I**	**22 05 09 41.5–.38**	**47.00N–.04**	**155.54E–.03**	**15–1**	**5.0b,4.6s**	**809**	**4-153**
NIED	I	22 05 09 00	47.40N	155.20E	8	5.1W,4.6s		**¶13433913**
DJA	I	22 05 09 38	47.06N	155.70E	10	5.1b,4.6s		
ISCJB	I	22 05 09 39.3–.12	46.92N–.03	155.49E–.02	15	4.9b,4.5s		
IDC	I	22 05 09 39.2–.43	47.03N	155.46E	0	4.7,4.7		
NEIC	I	22 05 09 41.0–.19	47.06N	155.51E	10	5.0b,4.7		
JMA	I	22 05 09 41.3–.80	47.41N	155.23E	30	5.3,4.7		
SKHL	I	22 05 09 41.1–1.7	46.76N	155.84E	61–18	5.6b,5.3s		
TEH	I	22 05 09 42.0	47.15N	155.44E	10	5.0L,5.3s		
BJI	I	22 05 09 42.1	47.28N	154.83E	10	5.3b,5.0s		
MOS	I	22 05 09 45.8–1.2	47.07N	155.38E	60	5.1b,4.4s		
SZGRF	I	22 05 09 51.2	48.02N	155.62E	33	5.2b,4.4s		
ISC	Event type se.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s83.00000°,δ73.00000°,λ-81.00000°. NP2:ϕ_s234.00000°,δ19.00000°,λ-117.00000°. M_o5.18000×10^{16}							
ISCJB	Event type se. Error ellipse: s-maj=4.3km s-min=1.8km az=165.5.							
IDC	Error ellipse: s-maj=14.1km s-min=9.7km az=142.0.							
NEIC	Event type se. Error ellipse: s-maj=6.0km s-min=3.3km az=156.0.							
JMA	Error ellipse: s-maj=13.3km s-min=8.3km az=-1.0.							
MOS	Error ellipse: s-maj=8.4km s-min=5.1km az=110.0.							
SZGRF	Kuril Islands, Russia.							
	(222) East of Kuril Islands							
ISC	**I**	**22 05 14 19.2–.42**	**46.99N–.05**	**155.58E–.04**	**16–1**	**4.8b,4.7s**	**357**	**4-147**
ISCJB	I	22 05 14 15.9–.26	46.83N–.04	155.42E–.04	9	4.7b,4.7s		**¶13433914**
BJI	I	22 05 14 17.9	47.30N	155.26E	8	5.0s,5.0b		
SKHL	I	22 05 14 18.5–1.9	46.66N	155.80E	55–23	6.5b,5.0b		
NEIC	I	22 05 14 18.7–.24	47.05N	155.52E	10	4.8b,5.0b		
IDC	I	22 05 14 21.7–.62	47.05N	155.48E	29–4	4.4,4.4		
MOS	I	22 05 14 21.5–1.1	47.11N	155.41E	43	4.9b,4.4		
SZGRF	I	22 05 14 28.5	47.68N	154.55E	33	5.2b,4.4		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=6.8km s-min=2.9km az=147.5.							
NEIC	Event type se. Error ellipse: s-maj=7.1km s-min=3.7km az=152.0.							
IDC	Error ellipse: s-maj=13.8km s-min=9.6km az=146.0.							
MOS	Error ellipse: s-maj=9.5km s-min=5.9km az=100.6.							
SZGRF	Kuril Islands, Russia.							
	(196) Irian Jaya region							
ISC	**I**	**22 07 20 18.3–.28**	**0.40S–.03**	**132.89E–.04**	**32**	**4.8b,4.1s**	**161**	**2-153**
IDC	I	22 07 20 13.5–.49	0.34S	132.65E	0	4.7,4.6L		**¶13433917**
BJI	I	22 07 20 15.0	0.20S	132.90E	35	4.9b,4.7s		
ISCJB	I	22 07 20 16.7–.23	0.30S–.03	132.88E–.03	32	4.8b,4.1s		
DJA	I	22 07 20 16	0.41S	132.94E	10	5.1b,4.1s		
NEIC	I	22 07 20 18.6–.21	0.33S	132.81E	35	4.9b,4.1s		
TEH	I	22 07 20 19.0	0.35S	132.83E	35	4.8L,4.1s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=20.2km s-min=9.5km az=70.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=6.0.							
NEIC	Event type se. Error ellipse: s-maj=7.9km s-min=4.0km az=65.0.							
	(192) New Britain region							
ISC	**I**	**22 13 40 26.3–.16**	**6.05S–.03**	**148.54E–.03**	**48**	**5.6b,5.6s**	**1112**	**4-154**
BJI	I	22 13 40 20.0	6.65S	148.92E	53	5.8b,5.6s		**¶13989201**
MOS	I	22 13 40 25.2–1.1	5.93S	148.46E	47	5.7b,5.5s		
ISCJB	I	22 13 40 25.4–.12	6.00S–.02	148.48E–.02	48	5.6b,5.6s		
NEIC	I	22 13 40 26.0–.11	5.91S	148.51E	44	6.1W,6.0W		
IDC	I	22 13 40 32.3–1.7	6.02S	148.54E	98–14	5.4s,5.4		
DJA	I	22 13 40 34	6.44S	148.46E	100	5.9W,5.4		
ISC	Event type se.							
MOS	Error ellipse: s-maj=8.0km s-min=5.5km az=97.0.							
ISCJB	Event type se. Error ellipse: s-maj=3.0km s-min=2.8km az=15.8.							
NEIC	Event type se. Error ellipse: s-maj=3.9km s-min=3.0km az=87.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s66 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$-1.22 $M_{\phi\phi}$-0.30 $M_{r\theta}$0.36 $M_{\theta\phi}$-0.18 $M_{\phi r}$-0.10 Best double couple: NP1:ϕ_s255.00000°,δ38.00000°,λ82.00000°. NP2: ϕ_s85.00000°,δ52.00000°,λ96.00000°. Principal axes: T 1.5800,Plg81.0000°,Azm26.0000° ; N -0.2800,Plg4.0000°,Azm260.0000°; P -1.3000,Plg6.0000°,Azm170.0000° M_o1.50000×10^{18}							
IDC	Error ellipse: s-maj=9.9km s-min=8.1km az=98.0.							
	(193) Bougainville - Solomon Islands region							
ISC	**I**	**23 02 48 16.0–.25**	**6.41S–.04**	**154.99E–.04**	**46**	**5.1b,4.3s**	**425**	**6-160**
MOS	I	23 02 48 13.6–.88	6.21S	154.84E	33	5.2b,4.3s		**¶11616508**
BJI	I	23 02 48 14.3	6.40S	155.00E	46	5.3b,5.1s		
ISCJB	I	23 02 48 15.0–.19	6.35S–.03	154.92E–.03	46	5.1b,4.2s		
NEIC	I	23 02 48 16.2–.18	6.34S	154.95E	47	5.2b,4.2s		
IDC	I	23 02 48 16.3–.47	6.38S	154.82E	48–3	4.6,4.6		
DJA	I	23 02 48 21	6.49S	154.96E	89	5.4b,4.6		
ISC	Event type se.							
MOS	Error ellipse: s-maj=9.4km s-min=7.5km az=74.1.							
ISCJB	Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=151.1.							
NEIC	Event type se. Error ellipse: s-maj=6.3km s-min=5.0km az=109.0.							
IDC	Error ellipse: s-maj=14.3km s-min=11.1km az=113.0.							
	(153) South Sandwich Islands region							
ISC	**I**	**23 08 26 00.8–1.7**	**57.00S–.09**	**25.25W–.07**	**15–9**	**4.8b,4.7s**	**349**	**16-161**
ISCJB	I	23 08 25 58.4–.36	56.96S–.06	25.2W–.10	10	4.7b,4.6s		**¶11616517**
IDC	I	23 08 25 58.3–.44	56.91S	25.14W	0	4.7,4.7		
BJI	I	23 08 26 00.2	57.10S	25.10W	10	5.5b,5.2s		
NEIC	I	23 08 26 03.9–.17	57.04S	25.13W	35	4.7b,5.2s		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=10.4km s-min=7.3km az=138.9.							
IDC	Error ellipse: s-maj=19.9km s-min=14.7km az=3.0.							
NEIC	Event type se. Error ellipse: s-maj=9.1km s-min=6.9km az=191.0.							
	(243) Taiwan region							
ISC	**I**	**23 12 38 15.5–.33**	**21.20N–.02**	**121.16E–.03**	**20–1**	**5.4b,5.2s**	**868**	**1-174**
NIED	I	23 12 38 00	20.80N	121.80E	8	5.4W,5.2s		**¶13433948**
TAP	I	23 12 38 11.7	21.05N	121.19E	52–1	5.3L,5.2s		
ISCJB	I	23 12 38 11.9–.53	21.18N–.01	121.22E–.02	5–3	5.3b,5.1s		
NEIC	I	23 12 38 13.7–.15	21.12N	121.24E	10	5.4b,5.1s		
IDC	I	23 12 38 13.8–1.5	21.10N	121.19E	11–8	5.0s,5.0		
BJI	I	23 12 38 13.1	21.22N	121.13E	12	5.7L,5.6b		
TEH	I	23 12 38 14.0	21.18N	121.36E	10	5.6L,5.6b		
MOS	I	23 12 38 15.5–1.1	21.13N	121.29E	33	5.6b,5.2s		
JMA	I	23 12 38 16.3–.40	20.81N	121.76E	82	5.5,5.2s		
SZGRF	I	23 12 38 16.2	20.79N	121.38E	33	5.3b,5.3s		
DJA	I	23 12 38 24	21.27N	121.27E	105	5.4W,5.3s		
ISC	Event type se.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ76.00000°,λ97.00000°. NP2:ϕ_s130.00000°,δ16.00000°,λ63.00000°. M_o1.59000×10^{17}							
TAP	C.							
ISCJB	Event type se. Error ellipse: s-maj=2.8km s-min=2.1km az=12.6.							
NEIC	Event type se. Error ellipse: s-maj=4.0km s-min=3.6km az=86.0.							
IDC	Error ellipse: s-maj=12.6km s-min=8.1km az=71.0.							
MOS	Error ellipse: s-maj=7.7km s-min=4.2km az=116.8.							
JMA	Error ellipse: s-maj=4.4km s-min=6.2km az=-1.0.							
SZGRF	Philippine Islands region.							
	(426) Chagos Archipelago region							
ISC	**I**	**23 13 18 39.6–.70**	**5.2S–.20**	**68.5E–.10**	**10**	**4.5b,4.4s**	**125**	**4-155**
ISCJB	I	23 13 18 37.7–.70	5.1S–.10	68.6E–.10	10	4.5s,4.4b		**¶12082129**
IDC	I	23 13 18 38.5–.78	5.12S	68.46E	0	4.4s,4.4		
NEIC	I	23 13 18 39.8–.51	5.13S	68.56E	10	5.1b,4.4		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=19.7km s-min=10.3km az=135.5.							
IDC	Error ellipse: s-maj=27.0km s-min=15.9km az=41.0.							

NEIC Event type se. Error ellipse: s-maj=15.0km s-min=8.6km az=46.0.

(178) Kermadec Islands

ISC	**I**	**23 21 27 58.4–.34**	**30.25S–.05**	**177.68W–.07**	**35**	**5.1b,4.4s**	**235**	**1-163**
DJA	I	23 21 27 35	29.09S	174.88W	10	5.3b,4.4s		**¶13433956**
IDC	I	23 21 27 53.2–.52	30.03S	177.66W	0	4.8,4.7		
BJI	I	23 21 27 54.2	30.70S	177.04W	35	5.6b,5.2s		
ISCJB	I	23 21 27 56.5–.18	30.60S–.03	177.76W–.05	33	4.9b,4.3s		
NEIC	I	23 21 27 58.1–.29	30.22S	177.77W	35	5.0b,4.3s		

ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=17.4km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=2.6km az=29.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.4km az=137.0.

(177) Kermadec Islands region

ISC	**I**	**24 01 28 43.5–.21**	**28.16S–.04**	**176.62W–.04**	**37**	**5.8s,5.5b**	**1540**	**2-174**
DJA	I	24 01 28 37	28.30S	175.91W	30	5.5b,5.5b		**¶11617181**
BJI	I	24 01 28 37.7	27.75S	176.26W	7	6.1b,5.9s		
NEIC	I	24 01 28 39.4–.15	28.25S	176.70W	10	5.8s,5.8W		
ISCJB	I	24 01 28 40.7–.10	28.53S–.03	176.71W–.03	31	5.8s,5.5b		
MOS	I	24 01 28 42.4–1.0	28.10S	176.75W	33	5.8s,5.6b		
IDC	I	24 01 28 45.8–2.7	28.16S	176.74W	54–23	5.7s,5.7		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.1km az=150.0. Moment Tensor Solution. $M_0$1.90000×10^{18}
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.7km az=136.8.
MOS Error ellipse: s-maj=9.2km s-min=7.3km az=69.1.
IDC Error ellipse: s-maj=15.2km s-min=10.9km az=169.0.

(153) South Sandwich Islands region

ISC	**I**	**24 03 05 35.0–1.2**	**56.87S–.07**	**24.91W–.07**	**30–7**	**4.8b,4.8s**	**195**	**7-168**
IDC	I	24 03 05 30.0–.39	56.90S	24.94W	0	4.7b,4.7		**¶11657440**
ISCJB	I	24 03 05 30.1–.33	56.91S–.06	25.0W–.10	10	4.8b,4.8s		
NEIC	I	24 03 05 35.8–1.4	56.94S	24.92W	39–11	4.9b,4.8s		
BJI	I	24 03 05 39.7	56.80S	25.00W	52	5.5s,5.2b		

ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=13.4km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.7km az=138.4.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.6km az=214.0.

(196) Irian Jaya region

ISC	**I**	**24 13 41 08.1–.49**	**0.51S–.05**	**132.97E–.06**	**31–3**	**5.0b,4.5s**	**182**	**2-153**
IDC	I	24 13 41 03.3–.54	0.53S	132.78E	0	4.7,4.6		**¶11617203**
BJI	I	24 13 41 03.2	0.86S	132.94E	26	5.1b,5.0s		
NEIC	I	24 13 41 06.9–.20	0.51S	132.91E	27	5.2b,5.0s		
ISCJB	I	24 13 41 07.3–.74	0.55S–.04	132.97E–.04	44–7	4.9b,4.5s		
DJA	I	24 13 41 10	0.50S	132.92E	41	5.0b,4.5s		

ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=10.5km az=73.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.1km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.1km az=140.1.

(289) Timor region

ISC	**I**	**24 13 52 28.2–.42**	**8.54S–.03**	**125.06E–.04**	**25–2**	**5.1b,4.2s**	**300**	**3-152**
BJI	I	24 13 52 21.9	8.94S	125.48E	26	5.2b,5.0b		**¶11617205**
IDC	I	24 13 52 25.2–.44	8.34S	124.96E	0	4.9,4.9b		
DJA	I	24 13 52 27	8.49S	125.11E	10	4.9W,4.9b		
ISCJB	I	24 13 52 28.0–.49	8.46S–.03	125.07E–.03	35–4	5.0b,4.3s		
NEIC	I	24 13 52 28.1–.18	8.41S	125.01E	22	5.2b,4.3s		
MOS	I	24 13 52 30.3–1.2	7.94S	124.93E	33	5.3b,4.3s		

ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=11.2km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.1km az=141.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=3.7km az=57.0. Felt [III] at Dili. Also felt [III] on Pulau Alor, Indonesia.
MOS Error ellipse: s-maj=23.6km s-min=8.5km az=109.2.

(331) Kazakhstan-Xinjiang border region

ISC	**I**	**25 01 47 47.4–.19**	**43.32N–.03**	**80.90E–.02**	**20**	**5.2b,4.5s**	**933**	**3-159**
LDG	I	25 01 47 43.1–.12	43.15N	80.83E	10	5.0b,4.3s		**¶13433989**
IDC	I	25 01 47 43.9–.37	43.24N	80.86E	0	4.9,4.9		
BJI	I	25 01 47 44.3	43.30N	80.80E	7	5.2L,5.2b		
ISCJB	I	25 01 47 45.7–.10	43.24N–.02	80.90E–.02	20	5.1b,4.6s		
MOS	I	25 01 47 47.9–.90	43.37N	80.92E	33	5.3b,4.6s		
NEIC	I	25 01 47 47.2–.11	43.24N	80.89E	19	5.3b,4.6s		
DJA	I	25 01 47 49	43.17N	80.88E	21	5.3b,4.6s		
NNC	I	25 01 47 50.5–.92	43.75N	80.51E	0	5.2b,5.1		
SZGRF	I	25 01 47 58.1	44.41N	79.90E	24	5.3b,4.6s		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=26.0.
IDC Error ellipse: s-maj=9.0km s-min=7.7km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=13.8.
MOS Error ellipse: s-maj=5.4km s-min=3.7km az=123.8.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=48.0. Felt at Almaty, Kazakhstan.
NNC Error ellipse: s-maj=10.1km s-min=3.9km az=138.0.
SZGRF Eastern Kazakhstan.

(177) Kermadec Islands region

ISC	**I**	**25 09 15 41.2–.32**	**30.15S–.05**	**177.86W–.07**	**50**	**5.0b,4.0s**	**327**	**1-163**
IDC	I	25 09 15 34.0–.49	29.95S	177.76W	0	4.8,4.8		**¶13433995**
BJI	I	25 09 15 36.5	29.94S	176.81W	40	5.7b,5.5s		
MOS	I	25 09 15 38.1–1.0	30.03S	177.85W	33	5.2b,5.5s		
ISCJB	I	25 09 15 39.4–.17	30.61S–.03	177.85W–.05	50	5.0b,4.2s		
NEIC	I	25 09 15 41.2–1.2	30.01S	177.84W	51–10	5.0b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=17.9km az=124.0.
MOS Error ellipse: s-maj=13.8km s-min=12.5km az=114.1.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=2.2km az=28.4.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.7km az=136.0.

(9) Fox Islands

ISC	**I**	**26 19 11 48.2–.28**	**52.09N–.04**	**171.33W–.02**	**33–1**	**5.7b,5.5s**	**3335**	**2-160**
MOS	I	26 19 11 46.8–.94	52.11N	171.38W	33	5.8b,5.5s		**¶13989243**
NEIC	I	26 19 11 47.0	51.96N	171.16W	25	5.8W,5.7W		
BJI	I	26 19 11 47.3	52.38N	171.86W	23	5.9b,5.8s		
ISCJB	I	26 19 11 48.7–.29	52.16N–.02	171.35W–.02	47–2	5.6b,5.5s		
IDC	I	26 19 11 48.5–1.3	52.17N	171.35W	32–8	5.4s,5.4		
IGIL	I	26 19 11 49.4	52.19N	171.41W	35	5.6s,5.4		
BGS	I	26 19 11 49.5–1.7	52.12N	166.79W	25–999	5.8b,5.4		
SZGRF	I	26 19 11 50.3	52.60N	171.12W	33	5.8b,5.4s		
DJA	I	26 19 11 57	52.03N	171.18W	119	5.7W,5.4s		

ISC Event type fe.
MOS Error ellipse: s-maj=16.5km s-min=4.6km az=94.1.
NEIC Event type fe. Felt at Nikolski. After AEIC. Moment Tensor Solution. s78 Moment tensor: Scale 10^{17}Nm; M_{rr}2.82 $M_{\theta\theta}$-1.81 $M_{\phi\phi}$-1.01 $M_{r\theta}$1.94 $M_{\theta\phi}$-1.15 $M_{\phi r}$2.24 Best double couple: NP1:ϕ_s45.00000°,δ69.00000°,λ84.00000°. NP2:ϕ_s242.00000°,δ22.00000°,λ106.00000°. Principal axes: T 4.1600,Plg65.0000°,Azm303.0000°; N -0.2700,Plg6.0000°,Azm47.0000° ; P -3.8900,Plg23.0000°,Azm139.0000° $M_0$4.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=1.6km az=3.4.
IDC Error ellipse: s-maj=12.9km s-min=7.9km az=163.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Fox Islands, Aleutian Islands, United States.

(274) Southern Sumatera

ISC	**I**	**26 19 33 07.9–.32**	**0.41S–.03**	**98.06E–.04**	**31–1**	**5.5s,5.3b**	**694**	**2-159**
IDC	I	26 19 33 03.3–.42	0.31S	98.21E	0	5.5L,5.3s		**¶13434017**
BJI	I	26 19 33 03.3	0.77S	98.18E	35	5.9s,5.8b		
NEIC	I	26 19 33 04.7–.19	0.35S	98.18E	10	5.4b,5.8b		
MOS	I	26 19 33 06.9–1.4	0.25S	98.26E	33	5.5b,5.4s		
ISCJB	I	26 19 33 06.8–.77	0.32S–.03	98.11E–.02	33–5	5.5s,5.2b		
DJA	I	26 19 33 07	0.30S	98.07E	14	5.4W,5.2b		
TEH	I	26 19 33 07.0	0.43S	97.92E	35	5.9L,5.2b		
SZGRF	I	26 19 33 21.0	0.29S	97.83E	33	5.3b,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=9.8km az=37.0.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.4km az=52.0. Felt [II] at Padangpanjang and Payakumbuh.
MOS Error ellipse: s-maj=8.6km s-min=4.7km az=108.6.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.4km az=34.0.
SZGRF Southwest of Sumatera, Indonesia.

(656) Southeastern Siberia

ISC	**I**	**26 21 30 38.7–.31**	**57.50N–.02**	**120.69E–.02**	**14–1**	**5.2b,5.0s**	**1886**	**1-155**
BJI	I	26 21 30 34.2	57.61N	121.14E	11	5.8s,5.5b		**¶13434018**
IDC	I	26 21 30 35.8–.43	57.43N	120.67E	0	5.0,5.0		
MOS	I	26 21 30 36.4–.94	57.51N	120.60E	12	5.3b,5.0s		
BYKL	I	26 21 30 37.4–.49	57.40N	120.78E		5.3b,5.0s		
ISCJB	I	26 21 30 37.1–.08	57.51N–.01	120.52E–.02	14	5.1b,5.0s		
NEIC	I	26 21 30 38.8–2.1	57.51N	120.58E	13–13	5.2b,5.0s		
TEH	I	26 21 30 39.0	57.55N	120.48E	10	5.3L,5.0s		
DJA	I	26 21 30 45	57.36N	120.75E	60	5.1b,5.0s		
SZGRF	I	26 21 30 49.5	58.46N	119.15E	33	5.3b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=10.9km az=21.0.
MOS Error ellipse: s-maj=6.7km s-min=5.3km az=82.7.
BYKL Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.1km s-min=1.6km az=153.0.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.8km az=158.0.
SZGRF East of Lake Baykal, Russia.

(291) South of Sumbawa

ISC	**I**	**27 00 57 39.3–.20**	**11.39S–.03**	**117.54E–.03**	**34**	**5.3b,4.3s**	**745**	**3-161**
BJI	I	27 00 57 32.8	11.50S	117.50E	6	5.2b,5.2b		**¶11625168**
TEH	I	27 00 57 35.0	11.48S	117.49E	7	5.3L,5.2b		
NEIC	I	27 00 57 35.9–2.0	11.38S	117.55E	12–12	5.5b,5.2b		
DJA	I	27 00 57 36	11.62S	117.47E	13	5.4W,5.2b		
ISCJB	I	27 00 57 38.6–.22	11.36S–.03	117.52E–.03	47	5.3b,4.4s		
MOS	I	27 00 57 38.8–1.3	10.95S	117.64E	33	5.5b,4.4s		
IDC	I	27 00 57 40.8–.39	11.23S	117.61E	43–2	4.8,4.8		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=23.0.
MOS Error ellipse: s-maj=12.7km s-min=7.0km az=106.5.
IDC Error ellipse: s-maj=12.9km s-min=8.9km az=90.0.

(4) Komandorsky Islands region

ISC	**I**	**27 23 57 11.4–.32**	**55.48N–.03**	**164.26E–.02**	**14–1**	**5.2b,5.2s**	**1879**	**1-155**
BJI	I	27 23 57 07.0	55.60N	164.30E	10	5.6s,5.2		**¶13434046**
IDC	I	27 23 57 09.6–.31	55.53N	164.31E	0	5.1,5.1		
ISCJB	I	27 23 57 10.1–.08	55.51N–.02	164.32E–.02	15	5.2b,5.2s		
MOS	I	27 23 57 12.7–.99	55.46N	164.37E	42	5.3b,5.0s		
NEIC	I	27 23 57 13.3–1.3	55.54N	164.30E	24–9	5.4b,5.2s		
KRSC	I	27 23 57 14.5–.20	55.36N	164.31E	52–48	5.4L,5.2s		
SZGRF	I	27 23 57 24.0	56.85N	164.78E	33	5.2b,5.2s		

ISC Event type se.
IDC Error ellipse: s-maj=9.9km s-min=7.2km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=1.4km az=166.3.
MOS Error ellipse: s-maj=7.9km s-min=6.4km az=93.8.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.2km az=167.0.
KRSC Event type se.
SZGRF Komandorsky Islands, Russia, region.

(274) Southern Sumatera

ISC	**I**	**28 00 00 37.9–1.4**	**0.4S–.20**	**98.2E–.20**	**27**	**4.3b**	**29**	**19-144**
DJA	I	28 00 00 26	0.97S	97.58E	0	6.3		**¶13434047**
IDC	I	28 00 00 33.6–1.4	0.44S	98.18E	0	5.5s,5.5		
NEIC	I	28 00 00 35.1–.80	0.45S	98.18E	10	4.4b,5.5		
ISCJB	I	28 00 00 36.3–1.0	0.4S–.10	98.3E–.20	27	5.3s,4.3b		

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

(274) Southern Sumatera

ISC	**I**	**28 00 01 15.4–.19**	**0.32S–.03**	**98.20E–.03**	**28**	**5.7b,5.5s**	**2139**	**4-177**
BJI	I	28 00 01 10.3	0.82S	98.26E	33	6.1b,6.0s		**¶13962508**
ISCJB	I	28 00 01 13.3–.12	0.28S–.02	98.25E–.02	24	5.7b,5.5s		
TEH	I	28 00 01 14.0	0.38S	98.01E	29	5.8L,5.5s		
MOS	I	28 00 01 14.3–1.4	0.28S	98.35E	33	6.0b,5.4s		
NEIC	I	28 00 01 14.6–.12	0.26S	98.28E	20	5.8,5.7b		
IDC	I	28 00 01 14.4–1.4	0.36S	98.38E	20–7	5.5L,5.5s		
SZGRF	I	28 00 01 17.6	0.83S	96.95E	33	5.6b,5.4s		
DJA	I	28 00 01 17	0.30S	98.21E	31	5.6W,5.4s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.6km az=31.8.
MOS Error ellipse: s-maj=10.5km s-min=5.1km az=121.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.3km az=224.0. Felt [III] at Padang and Pasaman. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s130.00000°,δ80.00000°,λ85.00000°. NP2: ϕ_s337.00000°,δ11.00000°,λ116.00000°. Principal axes: T Plg55.0000°,Azm34.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm224.0000° Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}1.44 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-0.88 $M_{r\theta}$2.30 $M_{\theta\phi}$1.22 $M_{\phi r}$-1.38 Best double couple: NP1:ϕ_s341.00000°,δ19.00000°,λ127.00000°. NP2:ϕ_s122.00000° ,δ75.00000°,λ78.00000°. Principal axes: T 3.0200,Plg58.0000°,Azm16.0000° ; N 0.3400,Plg11.0000°,Azm125.0000°; P -3.3600,Plg28.0000°,Azm222.0000° $M_0$3.20000×10^{17}
IDC Error ellipse: s-maj=10.0km s-min=7.1km az=51.0.
SZGRF Southwest of Sumatera, Indonesia.

(196) Irian Jaya region

ISC	**I**	**28 01 34 31.5–.30**	**2.96S–.03**	**136.51E–.04**	**45–2**	**5.1b,4.7s**	**383**	**2-161**
MOS	I	28 01 34 28.6–.97	2.96S	136.43E	33	5.3b,4.9s		**¶11656145**
BJI	I	28 01 34 28.9	2.91S	136.78E	44	5.4b,5.2b		
ISCJB	I	28 01 34 29.5–.58	2.94S–.03	136.55E–.03	39–5	5.1b,4.7s		
DJA	I	28 01 34 29	2.83S	136.50E	10	5.4b,4.7s		
IDC	I	28 01 34 30.8–2.5	2.87S	136.54E	33–19	4.7,4.7b		
NEIC	I	28 01 34 33.0–1.0	2.93S	136.59E	56–9	5.2b,4.7b		

ISC Event type se.
MOS Error ellipse: s-maj=12.0km s-min=5.8km az=109.6.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=147.1.
IDC Error ellipse: s-maj=17.7km s-min=9.9km az=78.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.6km az=59.0.

(289) Timor region

ISC	**I**	**28 07 53 37.0–.34**	**8.98S–.03**	**124.09E–.04**	**59–2**	**5.7b,4.7s**	**1422**	**2-165**
BJI	I	28 07 53 25.0	9.89S	124.63E	35	5.7b,5.6b		**¶13434054**
ISCJB	I	28 07 53 34.4–.14	9.02S–.02	124.16E–.02	50	5.7b,4.7s		
BGS	I	28 07 53 37.7–2.8	8.94S	124.16E	66	5.6b,4.7s		
MOS	I	28 07 53 37.3–1.4	8.84S	124.10E	69	5.8b,4.6s		
NEIC	I	28 07 53 38.2–.91	8.94S	124.16E	66–7	5.7W,5.6b		
DJA	I	28 07 53 39	9.30S	124.15E	73	5.9W,5.6b		
IDC	I	28 07 53 40.5–.96	8.85S	124.10E	82–7	5.2,5.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=32.3.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=8.9km s-min=5.4km az=110.7.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=58.0. Felt [III] on Pulau Alor and at Ende, Flores and at Kupang, Timor. Also felt [III] at Dili, Timor-Leste and [II] at Darwin, Australia. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.38 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.45 $M_{r\theta}$1.90 $M_{\theta\phi}$1.63 $M_{\phi r}$3.22 Best double couple: NP1:ϕ_s200.00000°,δ90.00000° ,λ-111.00000°. NP2:ϕ_s110.00000°,δ21.00000°,λ-1.00000°. Principal axes: T 4.6000,Plg41.0000°,Azm310.0000°; N -1.3200,Plg20.0000°,Azm200.0000° ; P -3.2800,Plg41.0000°,Azm90.0000° $M_0$4.10000×10^{17}
IDC Error ellipse: s-maj=10.7km s-min=7.3km az=57.0.

(169) Samoa Islands region

ISC	**I**	**28 12 39 43.3–.29**	**16.96S–.04**	**171.98W–.04**	**14–1**	**5.6b,5.3s**	**2211**	**3-174**
SZGRF	I	28 12 39 40.2	18.93S	172.30W	26	5.3b,5.3s		**¶11656166**
ISCJB	I	28 12 39 40.7–2.0	16.90S–.03	172.12W–.03	3–12	5.4b,5.2s		
IDC	I	28 12 39 41.2–.45	16.98S	172.07W	0	5.4,5.3		
NEIC	I	28 12 39 42.8–.11	16.97S	172.07W	10	5.6b,5.3s		
BJI	I	28 12 39 42.2	16.50S	171.87W	8	5.7b,5.2s		
DJA	I	28 12 39 44	17.19S	172.31W	10	5.5b,5.2s		
MOS	I	28 12 39 46.6–1.1	16.59S	172.05W	33	5.7b,5.2s		

ISC Event type se.
SZGRF Tonga Islands region.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.3km az=146.2.
IDC Error ellipse: s-maj=20.0km s-min=12.8km az=159.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.1km az=142.0.

MOS Error ellipse: s-maj=11.1km s-min=7.6km az=69.6.

(703) Andaman Islands region

ISC	**I**	**28 20 29 56.9–.32**	**13.68N–.04**	**92.85E–.03**	**34–0**	**5.2b,4.6s**	**769**	**8-161**
SZGRF	I	28 20 29 45.3	12.01N	92.90E	33	5.4b,4.6s		¶13434062
BJI	I	28 20 29 53.0	13.26N	92.73E	44	4.8b,4.7s		
ISCJB	I	28 20 29 54.3–.15	13.63N–.03	92.81E–.02	30	5.1b,4.7s		
MOS	I	28 20 29 54.6–.86	13.66N	92.85E	33	5.4b,4.6s		
NEIC	I	28 20 29 56.9–.16	13.73N	92.82E	35	5.2b,4.8s		
IDC	I	28 20 29 56.0–.58	13.64N	92.86E	28–3	4.9,4.8		
DJA	I	28 20 29 59	13.59N	92.84E	55	5.3b,4.8		

ISC Event type se.
SZGRF Andaman Islands, India, region.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=16.0.
MOS Error ellipse: s-maj=7.7km s-min=3.8km az=120.6.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.5km az=218.0.
IDC Error ellipse: s-maj=13.2km s-min=9.9km az=48.0.

(248) Philippine Islands region

ISC	**I**	**29 13 31 14.7–.64**	**13.25N–.05**	**125.92E–.06**	**30–4**	**4.6b,3.2s**	**138**	**3-149**
IDC	I	29 13 31 09.9–.54	13.19N	126.07E	0	4.6L,4.5		¶11656305
ISCJB	I	29 13 31 11.0–2.4	13.20N–.04	125.98E–.05	15–15	4.6b,3.2s		
BJI	I	29 13 31 11.2	13.11N	126.10E	14	4.7b,4.4b		
MAN	I	29 13 31 14	13.30N	125.78E	33	5.1b,4.2s		
NEIC	I	29 13 31 15.6–1.2	13.20N	126.03E	38–11	4.9b,4.2s		
DJA	I	29 13 31 22	13.27N	126.00E	93	4.8b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=12.0km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.9km az=149.9.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.5km az=63.0.

(256) Leyte

ISC	**I**	**29 22 43 45.4–.26**	**11.00N–.03**	**124.78E–.04**	**10**	**5.2b,5.0s**	**335**	**0-166**
ISCJB	I	29 22 43 43.7–.19	10.96N–.02	124.98E–.03	10	5.1b,4.9s		¶11656313
IDC	I	29 22 43 44.6–.39	11.00N	124.97E	0	4.9,4.9s		
MAN	I	29 22 43 45	10.96N	124.75E	4	5.7b,5.1s		
NEIC	I	29 22 43 45.1–.23	10.97N	124.96E	8	5.4W,5.4W		
MOS	I	29 22 43 47.0–1.3	10.95N	124.92E	33	5.5b,4.9s		
BJI	I	29 22 43 47.8	10.79N	125.06E	57	5.3s,5.3b		
DJA	I	29 22 43 53	10.97N	125.10E	67	5.1W,5.3b		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.1km az=174.2.
IDC Error ellipse: s-maj=16.4km s-min=9.4km az=74.0.
MAN Event type fe. INTENSITY VI - ALBUERA PASTRANA BURAUEN LEYTE; INTENSITY V - PALO LEYTE; ORMOC CITY; INTENSITY IV - LA PAZ.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=5.2km az=82.0. Felt [VI PIVS] at Albuera and Pastrana; [V PIVS] at Ormoc and Palo; [IV PIVS] at Abuyog, Dulag and La Paz; [III PIVS] at Mahaplag. Also felt at Baybay and Tanauan. Felt [II PIVS] at Cebu City, Cebu. Also felt at Compostela, Mandaue City, Minglanilla and Talisay. Felt [II PIVS] at Borongan and Catarman, Samar and [I PIVS] at Iloilo, Panay. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}0.53 $M_{\theta\theta}$0.93 $M_{\phi\phi}$-1.46 $M_{r\theta}$0.03 $M_{\theta\phi}$0.42 $M_{\phi r}$0.40 Best double couple: NP1:ϕ_s125.00000°,δ74.00000°,λ1.00000°. NP2:ϕ_s34.00000°,δ89.00000°,λ164.00000°. Principal axes: T 1.0200,Plg12.0000°,Azm348.0000°; N 0.5800,Plg73.0000°,Azm210.0000°; P -1.6000,Plg10.0000°,Azm80.0000° $M_0$1.40000×10^{17}
MOS Error ellipse: s-maj=11.7km s-min=5.6km az=111.7.

(173) Tonga Islands

ISC	**I**	**30 03 47 14.9–.37**	**15.47S–.07**	**174.38W–.04**	**35–1**	**5.4s,5.1b**	**1144**	**3-176**
IDC	I	30 03 47 08.8–.78	15.33S	174.62W	0	5.3s,5.3		¶13989281
NEIC	I	30 03 47 10.9–.26	15.39S	174.47W	10	5.6W,5.4s		
ISCJB	I	30 03 47 13.1–2.1	15.48S–.07	174.48W–.04	36–18	5.4s,5.0b		
SZGRF	I	30 03 47 13.9	15.99S	174.29W	33	5.5b,5.0b		
BJI	I	30 03 47 14.2	14.91S	174.13W	31	5.6b,5.5s		
MOS	I	30 03 47 16.2–1.1	14.62S	174.50W	33	5.4s,5.3b		

ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=17.3km az=152.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=5.4km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.0km az=161.7.
SZGRF Tonga Islands.
MOS Error ellipse: s-maj=15.6km s-min=9.5km az=61.6.

(122) Near coast of northern Chile

ISC	**I**	**31 14 40 14.6–.24**	**22.95S–.03**	**70.04W–.05**	**45**	**5.1b,4.2s**	**746**	**0-175**
MOS	I	31 14 40 12.4–1.0	22.93S	70.18W	33	5.5b,4.2s		¶11657512
ISCJB	I	31 14 40 13.5–.18	22.93S–.03	69.99W–.04	48	5.0b,4.2s		
NEIC	I	31 14 40 14.9	22.88S	70.27W	55	5.1b,4.2s		
GUC	I	31 14 40 14.9–.45	22.88S	70.27W	55–3	5.3L,4.2s		
IDC	I	31 14 40 14.8–.44	22.93S	70.10W	46–3	4.6,4.6		
BJI	I	31 14 40 17.7	22.90S	69.90W	51	5.5s,5.3		

ISC Event type fe.
MOS Error ellipse: s-maj=18.2km s-min=7.8km az=109.4.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=9.3.
NEIC Event type fe. Felt [III] at Mejillones and [II] at Antofagasta, Maria Elena, Sierra Gorda and Tocopilla. After GUC.
GUC Error ellipse: s-maj=2.1km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=14.4km s-min=10.5km az=50.0.

(228) Near east coast of eastern Honshu

ISC	**I**	**31 21 51 52.1–.19**	**36.75N–.03**	**141.22E–.02**	**35**	**5.6b,5.5s**	**2587**	**0-165**
BJI	I	31 21 51 49.6	36.75N	141.17E	32	5.8b,5.7b		¶12933595
MOS	I	31 21 51 50.0–.98	36.78N	141.31E	33	5.7b,5.4s		
JMA	I	31 21 51 51.8–.10	36.72N	141.28E	47–2	5.8,5.4s		
ISCJB	I	31 21 51 51.6–.08	36.75N–.02	141.22E–.01	39	5.6b,5.4s		
IDC	I	31 21 51 52.9–.50	36.74N	141.31E	42–4	5.4,5.3		
DJA	I	31 21 51 52	36.50N	141.15E	10	5.9W,5.3		
NEIC	I	31 21 51 52.2–.09	36.72N	141.15E	34	5.7W,5.7W		
SZGRF	I	31 21 51 55.8	37.18N	141.78E	43	5.7s,5.5b		
BGS	I	31 21 51 59.1–2.3	37.12N	137.47E	33	5.7s,5.4b		
NIED	I	31 21 52 00	36.70N	141.40E	41	5.7W,5.4b		

ISC Event type fe.
MOS Error ellipse: s-maj=7.7km s-min=5.6km az=110.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.5km az=167.3.
IDC Error ellipse: s-maj=10.8km s-min=7.9km az=161.0.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=150.0. Felt [V] at Niiza, [III] at Sendai and Tsukuba and [II] at Tokyo. Also felt at Akiruno, Atsugi, Ayase, Choshi, Furukawa, Higashi-murayama, Inzai, Kawasaki, Koganei, Maebashi, Matsudo, Ryugasaki, Ujiie, Yokohama and Yokosuka. Recorded [4 JMA] in Fukushima and Ibaraki; [3 JMA] in Chiba, Gumma, Miyagi, Saitama and Tochigi; [2 JMA] in Aomori, Iwate, Kanagawa, Nagano, Niigata, Shizuoka, Yamagata and Yamanashi; [1 JMA] in Akita and Gifu. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s20.00000°,δ80.00000°,λ100.00000°. NP2:ϕ_s155.00000°,δ14.00000°,λ45.00000°. Principal axes: T Plg54.0000°,Azm302.0000°; N Plg0.0000°,Azm0.0000°; P Plg34.0000°,Azm101.0000° Moment Tensor Solution. s78 Moment tensor: Scale 10^{17}Nm; M_{rr}1.12 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-1.53 $M_{r\theta}$1.81 $M_{\theta\phi}$-1.81 $M_{\phi r}$3.37 Best double couple: NP1:ϕ_s27.00000°,δ77.00000°,λ87.00000°. NP2:ϕ_s222.00000°,δ13.00000°,λ104.00000°. Principal axes: T 3.5200,Plg57.0000°,Azm292.0000°; N 1.4900,Plg3.0000°,Azm27.0000°; P -5.0000,Plg31.0000°,Azm119.0000° $M_0$4.40000×10^{17} Moment Tensor Solution. $M_0$4.70000×10^{17}
SZGRF Near east coast of eastern Honshu, Japan.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ76.00000°,λ83.00000°. NP2:ϕ_s232.00000°,δ15.00000°,λ116.00000°. $M_0$4.65000×10^{17}

(229) Off east coast of Honshu

ISC	**II**	**01 09 32 48.1–.35**	**37.94N–.03**	**142.40E–.03**	**30–1**	**5.2b,4.8s**	**1206**	**1-156**
IDC	II	01 09 32 43.0–.37	37.91N	142.39E	0	5.2,5.2		¶15537483
JMA	II	01 09 32 45.8–.20	37.87N	142.50E	33–2	5.2,5.2		
MOS	II	01 09 32 46.6–.76	38.10N	142.38E	27	5.4b,4.9s		
ISCJB	II	01 09 32 46.3–.64	37.89N–.02	142.43E–.02	30–4	5.2b,4.8s		
BJI	II	01 09 32 47.2	37.85N	142.13E	31	5.2b,5.1b		
NEIC	II	01 09 32 48.7–.43	37.88N	142.40E	38–3	5.1b,5.0W		
SZGRF	II	01 09 32 50.3	38.42N	143.34E	33	5.3b,5.0s		
NIED	II	01 09 33 00	37.90N	142.60E	26	5.0W,5.0s		
DJA	II	01 09 33 06	38.08N	142.51E	216	5.0b,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=10.8km s-min=7.8km az=122.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=6.2km s-min=4.2km az=106.1.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.2km az=166.1.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=147.0. Felt at Ogawara. Recorded [2 JMA] in Fukushima, Iwate and Miyagi; [1 JMA] in Ibaraki, Tochigi and Yamagata. Moment Tensor Solution. $M_0$3.40000×10^{16}
SZGRF Off east coast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ62.00000°,λ103.00000°. NP2:ϕ_s180.00000°,δ31.00000°,λ66.00000°. $M_0$3.41000×10^{16}

(224) Hokkaido region

ISC	**II**	**01 10 19 16.9–.56**	**42.32N–.05**	**144.56E–.04**	**44–3**	**4.3b,3.9s**	**137**	**1-85**
NIED	II	01 10 19 00	42.30N	144.60E	26	4.1W,3.9s		¶11667207
IDC	II	01 10 19 10.2–.85	42.17N	144.56E	0	4.1,4.0		
MOS	II	01 10 19 14.6–1.5	42.25N	144.49E	47	4.4b,4.0		
BJI	II	01 10 19 14.6	42.29N	144.74E	45	5.1b,4.6s		
JMA	II	01 10 19 15.3	42.31N	144.56E	36–1	4.0,4.6s		
ISCJB	II	01 10 19 15.6–.62	42.32N–.04	144.53E–.05	48–4	4.2b,3.8s		
NEIC	II	01 10 19 16.6–.76	42.28N	144.55E	42–6	4.5b,4.0W		
SKHL	II	01 10 19 17.3–2.1	42.26N	144.50E	69–13	5.6b,2.7s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ63.00000°,λ119.00000°. NP2:ϕ_s152.00000°,δ39.00000°,λ46.00000°. $M_0$1.34000×10^{15}
IDC Error ellipse: s-maj=22.2km s-min=14.4km az=173.0.
MOS Error ellipse: s-maj=9.4km s-min=6.9km az=101.8.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.6km az=138.5.
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=6.5km az=138.0. Recorded [1 JMA] in eastern and southeastern Hokkaido. Moment Tensor Solution. $M_0$1.30000×10^{15}

(710) Pakistan

ISC	**II**	**02 08 36 48.1–.37**	**27.18N–.04**	**66.45E–.03**	**15–1**	**5.0b,4.7s**	**601**	**7-147**
IDC	II	02 08 36 44.8–.46	27.09N	66.33E	0	4.7,4.7		¶13434188
BJI	II	02 08 36 44.9	27.22N	66.21E	13	5.1s,5.1b		
ISCJB	II	02 08 36 45.7–.16	27.08N–.02	66.35E–.02	16	4.9b,4.7s		
MOS	II	02 08 36 48.8–.97	27.21N	66.37E	33	5.1b,4.5s		
TEH	II	02 08 36 48.0	27.30N	66.42E	10	5.0L,4.5s		
NEIC	II	02 08 36 51.0–.24	27.23N	66.32E	35	5.1b,4.5s		
SZGRF	II	02 08 36 54.5	27.54N	65.99E	33	5.3b,4.3s		
DJA	II	02 08 37 00	27.09N	66.64E	107	5.0b,4.3s		

ISC Event type fe.
IDC Error ellipse: s-maj=9.9km s-min=8.0km az=8.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=178.5.
MOS Error ellipse: s-maj=6.2km s-min=4.0km az=109.2.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.5km az=0.0. Felt at Karachi and Hyderabad.
SZGRF Pakistan.

(115) Near coast of Peru

ISC	**II**	**02 17 53 23.6–.60**	**13.63S–.04**	**76.59W–.05**	**34–2**	**5.7s,5.6b**	**1095**	**2-174**
IDC	II	02 17 53 18.4–.44	13.63S	76.70W	0	5.7,5.7s		¶11660452
ISCJB	II	02 17 53 20.4–.15	13.55S–.03	76.72W–.03	21	5.7s,5.5b		
NEIC	II	02 17 53 21.8–.16	13.58S	76.56W	21	6.0W,5.9W		
MOS	II	02 17 53 23.0–1.1	13.39S	76.59W	33	5.8b,5.6s		
BJI	II	02 17 53 24.2	13.50S	76.50W	35	6.0s,5.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=10.5km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.8km az=136.8.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.5km az=57.0. Felt [V] at Pisco; [IV] at Chincha Alta and San Vicente de Canete; [III] at Huancavelica, Huancayo Lima and Nazca; [II] at Barranca. Also felt at Cerro de Pasco, Chilca, Chosica, Ica, Imperial, Mala, Marcona, Nuevo Imperial, Palpa, Ricardo Palma, San Luis, Santa Maria and Supe. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s104 Moment tensor: Scale 10^{17}Nm; M_{rr}4.04 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-4.05 $M_{r\theta}$-0.45 $M_{\theta\phi}$1.38 $M_{\phi r}$-4.17 Best double couple: NP1:ϕ_s326.00000°,δ26.00000°,λ60.00000°. NP2:ϕ_s179.00000°,δ68.00000°,λ104.00000°. Principal axes: T 5.9600,Plg64.0000°,Azm111.0000°; N 0.0500,Plg12.0000°,Azm353.0000°; P -6.0200,Plg21.0000°,Azm258.0000° $M_0$6.00000×10^{17}
MOS Error ellipse: s-maj=11.2km s-min=5.3km az=109.4.

(573) Tanzania

ISC	**II**	**03 15 48 54.4–.45**	**3.91S–.06**	**34.86E–.04**	**17–2**	**5.0b,4.0s**	**261**	**4-138**
SZGRF	II	03 15 48 49.0	4.64S	35.31E	33	5.1b,4.0s		¶11662501
PRE	II	03 15 48 49.4–2.6	4.05S	34.94E	10	4.5b,4.0s		
MOS	II	03 15 48 51.5–1.0	3.90S	34.88E	10	5.2b,4.1s		
IDC	II	03 15 48 51.6–.58	3.88S	34.84E	0	4.6,4.5		
ISCJB	II	03 15 48 52.2–.27	3.98S–.04	34.81E–.04	14	4.8b,4.1s		
NEIC	II	03 15 48 53.4–.32	3.90S	34.85E	10	5.1b,4.1s		

ISC Event type fe.
SZGRF Tanzania.
PRE Error ellipse: s-maj=8.8km s-min=8.4km az=-1.0.
MOS Error ellipse: s-maj=12.2km s-min=5.9km az=87.8.
IDC Error ellipse: s-maj=16.1km s-min=13.5km az=125.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=20.2.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=7.4km az=191.0. Felt [III] at Haidom and [II] at Arusha, Dar es Salaam, Dodoma and Zanzibar. Also felt at Bukoba, Chanika, Kigoma, Lushoto, Mabama, Morogoro, Namanga, Same and Tabora. Felt [II] at Nairobi, Kenya. Also felt at Eldoret, Gilgil, Homa Bay, Magadi and Mombasa. Felt [II] at Kampala, Uganda. Also felt at Kyotera.

(221) Kuril Islands

ISC	**II**	**03 22 39 26.2–.37**	**48.45N–.04**	**154.44E–.04**	**58–2**	**4.7b,3.8s**	**566**	**2-156**
BJI	II	03 22 39 21.3	48.47N	155.03E	59	5.0b,4.7b		¶13434235
SKHL	II	03 22 39 21.3–.40	48.07N	155.28E	71–8	5.5b,4.7b		
JMA	II	03 22 39 22.5–.50	48.25N	155.00E	30	5.1,4.7b		
ISCJB	II	03 22 39 22.6–.45	48.40N–.03	154.48E–.03	41–4	4.7b,3.8s		
MOS	II	03 22 39 23.5–.93	48.44N	154.39E	50	4.8b,3.8s		
IDC	II	03 22 39 24.8–.58	48.51N	154.38E	43–5	4.4L,4.4		
NEIC	II	03 22 39 26.7–.75	48.50N	154.35E	61–6	4.8b,4.4		

ISC Event type se.
JMA Error ellipse: s-maj=8.9km s-min=7.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.4km az=152.7.
MOS Event type fe. Error ellipse: s-maj=9.2km s-min=5.9km az=84.9. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=13.1km s-min=8.8km az=140.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.8km az=149.0.

(171) South of Fiji Islands

ISC	**II**	**05 08 47 47.2–.38**	**27.51S–.06**	**176.33W–.07**	**34**	**5.0b,4.3s**	**271**	**2-166**
IDC	II	05 08 47 41.7–.56	27.35S	176.43W	0	4.8,4.8		¶11667320
ISCJB	II	05 08 47 46.0–.20	27.47S–.06	176.44W–.05	34	4.9b,4.4s		
MOS	II	05 08 47 46.0–.79	27.35S	176.48W	33	5.1b,4.4s		
BJI	II	05 08 47 46.9	26.78S	176.18W	28	5.5b,5.1b		
NEIC	II	05 08 47 47.7–.21	27.42S	176.45W	38	5.0b,5.1b		

ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=19.9km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.9km az=148.1.
MOS Error ellipse: s-maj=13.3km s-min=12.6km az=83.7.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=134.0.

(171) South of Fiji Islands

ISC	**II**	**05 23 14 35.8–.53**	**27.43S–.05**	**176.41W–.08**	**46–3**	**5.0b,4.6s**	**359**	**2-166**
IDC	II	05 23 14 29.3–.56	27.26S	176.40W	0	4.8,4.8		¶13434310
ISCJB	II	05 23 14 32.2–3.3	27.42S–.05	176.48W–.05	26–22	4.9b,4.5s		
MOS	II	05 23 14 34.6–1.2	27.29S	176.48W	47	4.9b,4.3s		
NEIC	II	05 23 14 36.6–.95	27.39S	176.45W	54–8	4.9b,4.3s		
BJI	II	05 23 14 39.5	26.47S	176.82W	52	5.5b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=17.3km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.8km az=43.9.
MOS Error ellipse: s-maj=12.1km s-min=10.8km az=109.5.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.1km az=140.0.

(135) Near coast of central Chile

ISC	**II**	**06 02 58 35.5–.26**	**28.02S–.03**	**71.13W–.05**	**52–2**	**5.5b,4.8s**	**1113**	**1-178**
MOS	II	06 02 58 33.2–.93	27.78S	71.18W	36	5.7b,4.7s		¶11667352
GUC	II	06 02 58 34.6–.49	28.03S	71.23W	64–11	5.6L,4.7s		
DJA	II	06 02 58 34	29.24S	71.13W	19	5.6b,4.7s		
NEIC	II	06 02 58 35.6–.11	27.99S	71.10W	52	5.5b,4.7s		
IDC	II	06 02 58 35.5–.34	28.03S	71.12W	52–2	4.9,4.8		

ISCJB	II	06 02 58 35.3–.46	27.90S–.03	70.98W–.05	59–4	5.5b,4.7s			
BJI	II	06 02 58 36.4	27.67S	71.82W	66	5.4s,5.3b			

ISC Event type fe.
MOS Error ellipse: s-maj=14.4km s-min=6.6km az=104.3.
GUC Error ellipse: s-maj=1.8km s-min=8.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=2.7km az=73.0. Felt [IV] at Alto del Carmen, Copiapo and Vallenar; [III] at Caldera, Chanaral, Freirina, Huasco, La Serena and Tierra Amarilla; [II] at Diego de Almagro, El Salvador and Illapel. Also felt at Coquimbo, Los Andes, Ovalle and Taltal.
IDC Error ellipse: s-maj=13.1km s-min=11.2km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.2km az=162.5.

(713) Central Kazakhstan

ISC	**II**	**07 04 52 50.6–.34**	**43.32N–.04**	**66.35E–.02**	**16–1**	**4.7b,3.8s**	**491**	**3-148**
IDC	II	07 04 52 48.2–.42	43.11N	66.33E	0	4.6,4.6		**¶13434354**
ISCJB	II	07 04 52 49.1–.12	43.16N–.02	66.32E–.02	15	4.6b,3.9s		
NEIC	II	07 04 52 49.9–.18	43.20N	66.35E	10	4.8b,4.3W		
BJI	II	07 04 52 49.7	43.38N	66.62E	10	4.9b,4.7b		
TEH	II	07 04 52 50.0	43.22N	66.34E	10	4.9L,4.7b		
NNC	II	07 04 52 51.2–1.6	43.63N	66.53E	0	4.8b,4.4		
MOS	II	07 04 52 51.6–1.1	43.29N	66.40E	33	4.9b,4.4		

ISC Event type fe.
IDC Error ellipse: s-maj=10.0km s-min=6.6km az=176.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=2.7.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.1km az=183.0. Felt [II] at Qyzylorda. Also felt at Shymkent and Shieli. Felt at Chirchik and Tashkent, Uzbekistan. Moment Tensor Solution. $M_0$3.00000×10^{15}
NNC Error ellipse: s-maj=16.2km s-min=7.5km az=38.0.
MOS Error ellipse: s-maj=5.9km s-min=4.4km az=133.8.

(685) Easter Island region

ISC	**II**	**08 06 34 30.8–.30**	**29.84S–.07**	**111.91W–.06**	**10**	**5.0b,4.8s**	**503**	**4-168**
ISCJB	II	08 06 34 29.4–.38	29.75S–.06	111.94W–.07	10	4.9s,4.8b		**¶11667425**
IDC	II	08 06 34 29.2–.55	29.77S	112.02W	0	4.7,4.7s		
NEIC	II	08 06 34 31.0–.24	29.78S	111.94W	10	5.0b,4.7s		
MOS	II	08 06 34 30.0–.93	29.64S	111.80W	10	5.1b,4.7s		
BJI	II	08 06 34 32.8	29.60S	111.90W	10	5.5s,5.4b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=8.9km az=140.3.
IDC Error ellipse: s-maj=19.1km s-min=17.4km az=80.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.5km az=88.0.
MOS Error ellipse: s-maj=19.6km s-min=8.7km az=80.7.

(192) New Britain region

ISC	**II**	**08 15 34 38.3–.23**	**6.18S–.03**	**147.85E–.04**	**55–1**	**5.5b,5.2s**	**831**	**3-168**
BJI	II	08 15 34 32.5	6.62S	148.18E	60	5.5b,5.4b		**¶11667442**
MOS	II	08 15 34 34.5–.99	6.08S	147.78E	33	5.7b,5.2s		
ISCJB	II	08 15 34 35.5–.68	6.14S–.02	147.87E–.02	43–6	5.6b,5.2s		
NEIC	II	08 15 34 37.2–.12	6.12S	147.82E	47	5.6W,5.5b		
IDC	II	08 15 34 37.8–.48	6.20S	147.78E	47–4	5.3,5.3		
DJA	II	08 15 34 43	6.40S	147.78E	86	5.6W,5.3		

ISC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=5.4km az=95.3.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.8km az=40.3.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=90.0. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}2.05 $M_{\theta\theta}$-2.14 $M_{\phi\phi}$0.09 $M_{r\theta}$0.63 $M_{\theta\phi}$0.46 $M_{\phi r}$-0.20 Best double couple: NP1:ϕ_s279.00000°,δ37.00000°,λ86.00000°. NP2:ϕ_s103.00000° ,δ54.00000°,λ93.00000°. Principal axes: T 2.1500,Plg81.0000°,Azm25.0000° ; N 0.1800,Plg2.0000°,Azm281.0000°; P -2.3300,Plg8.0000°,Azm191.0000° $M_0$2.30000×10^{17}
IDC Error ellipse: s-maj=10.4km s-min=6.1km az=104.0.

(109) Near coast of northern Peru

ISC	**II**	**08 21 23 12.1–.34**	**6.73S–.06**	**81.02W–.06**	**34**	**5.1b,4.3s**	**332**	**3-168**
IDC	II	08 21 23 06.2–.58	6.59S	81.22W	0	4.6,4.6		**¶11667450**
ISCJB	II	08 21 23 10.6–.28	6.60S–.05	81.08W–.04	34	5.0b,4.4s		
MOS	II	08 21 23 10.9–1.4	6.60S	81.04W	35	5.2b,4.4s		
BJI	II	08 21 23 14.9	6.60S	80.70W	44	5.5s,5.4b		
NEIC	II	08 21 23 17.2–1.1	6.76S	80.89W	76–10	5.1b,5.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.0km s-min=12.1km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.8km az=38.1.
MOS Error ellipse: s-maj=17.3km s-min=7.3km az=113.1.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=5.8km az=54.0. Felt [II] at Chiclayo and Morrope. Also felt at Cajamarca, Paita, Pimentel, Piura, Sechura and Tumbes. Felt at Machala, Ecuador.

(265) Minahassa Peninsula, Sulawesi

ISC	**II**	**09 10 47 49.5–.30**	**1.33N–.03**	**123.53E–.04**	**22–2**	**5.0b,4.7s**	**369**	**1-165**
IDC	II	09 10 47 45.6–.40	1.30N	123.42E	0	5.2L,4.6		**¶11667466**
BJI	II	09 10 47 46.2	1.35N	123.66E	10	5.3b,5.0s		
MOS	II	09 10 47 49.5–1.2	1.38N	123.46E	35	5.3b,4.5s		
NEIC	II	09 10 47 49.4–1.8	1.32N	123.47E	24–12	5.2b,4.5s		
ISCJB	II	09 10 47 50.2–.45	1.35N–.02	123.47E–.03	41–4	5.0b,4.7s		
DJA	II	09 10 47 53	1.29N	123.50E	46	5.4b,4.7s		
MAN	II	09 10 48 46	5.63N	123.73E	40	4.8b,3.7s		

ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=9.0km az=71.0.
MOS Error ellipse: s-maj=13.5km s-min=5.8km az=110.7.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.0km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=173.0.

(109) Near coast of northern Peru

ISC	**II**	**09 14 09 03.4–.41**	**6.66S–.04**	**81.17W–.04**	**21–3**	**5.5s,5.5b**	**1053**	**3-168**
IDC	II	09 14 09 00.4–.50	6.55S	81.31W	0	5.4,5.4s		**¶11667470**
BGS	II	09 14 09 01.0–3.2	6.57S	81.15W	10	5.4b,5.4s		
BJI	II	09 14 09 02.9	6.60S	81.10W	15	5.9s,5.9b		
ISCJB	II	09 14 09 02.7–.16	6.55S–.03	81.22W–.03	22	5.5s,5.4b		
NEIC	II	09 14 09 03.0–.20	6.57S	81.15W	15	6.0W,5.9W		
MOS	II	09 14 09 04.6–1.1	6.45S	81.20W	32	5.5b,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=10.7km az=62.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.8km az=40.9.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=57.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s79 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s324.00000°,δ17.00000°,λ66.00000°. NP2: ϕ_s169.00000°,δ75.00000°,λ97.00000°. Principal axes: T 1.1400,Plg59.0000°,Azm88.0000° ; N -0.0900,Plg6.0000°,Azm346.0000°; P -1.0400,Plg29.0000°,Azm253.0000° $M_0$1.10000×10^{18}
MOS Error ellipse: s-maj=11.5km s-min=5.4km az=102.5.

(196) Irian Jaya region

ISC	**II**	**11 01 50 11.6–.40**	**0.57S–.04**	**133.24E–.06**	**35–1**	**4.9b,4.1s**	**214**	**2-161**
IDC	II	11 01 50 05.9–.54	0.62S	133.25E	0	4.8L,4.8		**¶11671848**
BJI	II	11 01 50 06.5	0.93S	133.48E	38	5.1b,4.9b		
ISCJB	II	11 01 50 08.1–1.2	0.52S–.04	133.29E–.04	23–8	4.9b,4.2s		
DJA	II	11 01 50 12	0.60S	133.22E	37	5.1b,4.2s		
NEIC	II	11 01 50 12.3–1.3	0.58S	133.18E	45–13	4.9b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=10.6km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=6.1km az=145.9.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.4km az=59.0.

(181) Fiji Islands region

ISC	**II**	**11 09 31 05.7–.41**	**20.80S–.05**	**177.21W–.05**	**18–1**	**5.5b,5.1s**	**710**	**5-177**
IDC	II	11 09 31 02.6–.55	20.71S	177.16W	0	4.9,4.9		**¶11671863**
NEIC	II	11 09 31 04.5–.20	20.78S	177.30W	10	5.5b,5.5W		
ISCJB	II	11 09 31 04.5–1.6	20.77S–.04	177.35W–.03	15–10	5.4b,5.1s		
BJI	II	11 09 31 04.1	20.27S	176.92W	13	5.7b,5.3s		
DJA	II	11 09 31 05.9–.30	21S–9.0	177W–6.0	10	6.1,6.0b		
MOS	II	11 09 31 07.7–1.2	20.44S	177.44W	33	5.7b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=14.5km az=149.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.7km az=149.0. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.76 $M_{\theta\theta}$2.42 $M_{\phi\phi}$-1.67 $M_{r\theta}$0.21 $M_{\theta\phi}$0.66 $M_{\phi r}$0.02 Best double couple: NP1:ϕ_s36.00000°,δ87.00000°,λ178.00000°. NP2:ϕ_s126.00000° ,δ88.00000°,λ3.00000°. Principal axes: T 2.5400,Plg3.0000°,Azm351.0000° ; N -0.7700,Plg86.0000°,Azm162.0000°; P -1.7700,Plg0.0000°,Azm261.0000° $M_0$2.30000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.0km az=160.0.
MOS Error ellipse: s-maj=10.3km s-min=8.7km az=45.9.

(182) Fiji Islands

ISC	**II**	**11 13 52 44.6–.33**	**16.32S–.05**	**178.21E–.04**	**22–2**	**5.5b,5.2s**	**732**	**1-175**
IDC	II	11 13 52 40.1–.52	16.37S	178.39E	0	5.0,5.0s		**¶14189410**
NEIC	II	11 13 52 42.0–.18	16.22S	178.33E	10	5.7W,5.6b		
ISCJB	II	11 13 52 42.7–.15	16.28S–.04	178.22E–.03	22	5.3b,5.2s		
MOS	II	11 13 52 44.2–1.3	16.24S	178.26E	33	5.7b,5.2s		
BJI	II	11 13 52 45.5	15.74S	177.89E	16	5.6b,5.5s		
DJA	II	11 13 53 05	16.89S	178.34E	210	5.0b,5.5s		

ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=12.6km az=160.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=147.0. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}0.09 $M_{\theta\theta}$-1.59 $M_{\phi\phi}$1.50 $M_{r\theta}$1.18 $M_{\theta\phi}$2.06 $M_{\phi r}$0.84 Best double couple: NP1:ϕ_s340.00000°,δ62.00000°,λ173.00000°. NP2:ϕ_s73.00000° ,δ84.00000°,λ28.00000°. Principal axes: T 3.0900,Plg23.0000°,Azm299.0000° ; N -0.2900,Plg61.0000°,Azm83.0000°; P -2.8000,Plg14.0000°,Azm202.0000° $M_0$3.00000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.7km az=158.8.
MOS Error ellipse: s-maj=10.4km s-min=7.7km az=138.3.

(263) Talaud Islands

ISC	**II**	**11 17 34 51.4–.23**	**3.78N–.02**	**126.50E–.03**	**24–1**	**7.3s,6.6b**	**3053**	**3-169**
BJI	II	11 17 34 45.7	3.40N	126.68E	30	7.4s,7.3		**¶13434474**
IDC	II	11 17 34 46.7–.28	3.83N	126.51E	0	7.2s,7.2		
ISCJB	II	11 17 34 50.0–.09	3.88N–.02	126.59E–.02	28	7.3s,6.5b		
SZGRF	II	11 17 34 49.5	3.19N	127.07E	33	7.5b,6.5b		
NEIC	II	11 17 34 50.5–.11	3.89N	126.39E	20	7.3s,7.2W		
MOS	II	11 17 34 50.6–1.1	3.87N	126.47E	33	7.2s,6.8b		
TEH	II	11 17 34 53.0	3.69N	126.79E	33	7.5L,6.8b		
DJA	II	11 17 34 57	3.84N	126.68E	74	7.2W,6.8b		

ISC Event type de.
IDC Error ellipse: s-maj=7.4km s-min=5.2km az=78.0.
ISCJB Event type de. Error ellipse: s-maj=2.7km s-min=2.1km az=155.2.
SZGRF Talaud Islands, Indonesia.
NEIC Event type de. Error ellipse: s-maj=4.4km s-min=3.6km az=52.0. At least 64 people injured and 597 buildings damaged or destroyed in the Kepulauan Talaud. Felt [VI] at Lirung. Felt [V] on Pulau Sangihe and [IV] at Manado, Sulawesi. Felt [III PIVS] at Davao and [II PIVS] at General Santos, Philippines. Also felt at Mati. Complex earthquake observed on broadband displacement seismograms. A small event is followed by a large event about 4 seconds later. Depth and focal mechanism from synthetics of broadband displacement seismograms based on large event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ60.00000°,λ120.00000°. NP2: ϕ_s141.00000°,δ41.00000°,λ49.00000°. Principal axes: T Plg62.0000°,Azm329.0000° ; N Plg0.0000°,Azm0.0000°; P Plg10.0000°,Azm79.0000° Moment Tensor Solution. s59 Moment tensor: Scale 10^{19}Nm; M_{rr}4.09 $M_{\theta\theta}$0.82 $M_{\phi\phi}$-4.91 $M_{r\theta}$0.56 $M_{\theta\phi}$2.03 $M_{\phi r}$2.09 Best double couple: NP1:ϕ_s359.00000°,δ58.00000°,λ112.00000°. NP2:ϕ_s143.00000° ,δ38.00000°,λ59.00000°. Principal axes: T 4.8200,Plg68.0000°,Azm315.0000° ; N 1.0800,Plg18.0000°,Azm167.0000°; P -5.9000,Plg10.0000°,Azm74.0000° $M_0$5.40000×10^{19} Moment Tensor Solution. $M_0$9.10000×10^{19}
MOS Error ellipse: s-maj=7.0km s-min=4.2km az=116.7. Moment Tensor Solution. $M_0$8.10000×10^{19}

(263) Talaud Islands

ISC	**II**	**11 17 41 59.5–.55**	**3.65N–.09**	**126.7E–.10**	**53**	**5.0b**	**55**	**23-123**
IDC	II	11 17 41 52.4–.63	3.67N	126.61E	0	5.0,5.0		**¶12699984**
NEIC	II	11 17 41 55.7–5.7	3.62N	126.61E	22–40	5.5b,5.0		
ISCJB	II	11 17 41 57.9–.49	3.65N–.08	126.6E–.10	53	6.5s,5.0b		

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

(263) Talaud Islands

ISC	**II**	**11 17 44 06.5–.48**	**3.88N–.08**	**126.7E–.10**	**45**	**4.9b**	**71**	**20-169**
IDC	II	11 17 44 00.3–.60	3.90N	126.62E	0	4.9,4.9		**¶12699985**
ISCJB	II	11 17 44 04.7–.41	3.89N–.07	126.67E–.09	45	5.0b,4.9		
NEIC	II	11 17 44 04.6–4.0	3.88N	126.64E	29–28	5.5b,4.9		

ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=14.5km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.7km az=161.1.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.6km az=67.0.

(263) Talaud Islands

ISC	**II**	**11 17 49 18.4–.26**	**3.90N–.04**	**126.51E–.05**	**45**	**5.8s,5.5b**	**391**	**3-162**
IDC	II	11 17 49 11.9–.38	3.91N	126.48E	0	5.2,5.2		**¶11671878**
BJI	II	11 17 49 11.5	3.47N	126.79E	35	5.7s,5.7b		
MOS	II	11 17 49 14.9–1.1	3.91N	126.54E	31	5.6b,5.7b		
ISCJB	II	11 17 49 16.5–.18	3.86N–.03	126.51E–.04	45	6.1s,5.5b		
NEIC	II	11 17 49 17.2–.18	3.89N	126.53E	35	5.6b,5.5b		
DJA	II	11 17 49 21	3.89N	126.56E	68	5.4b,5.5b		

ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=9.8km az=70.0.
MOS Error ellipse: s-maj=10.0km s-min=5.2km az=114.8.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=147.7.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=68.0.

(263) Talaud Islands

ISC	**II**	**11 17 53 00.2–.43**	**3.70N–.06**	**126.74E–.09**	**53**	**4.9b**	**91**	**4-157**
IDC	II	11 17 52 53.2–.50	3.66N	126.66E	0	5.9s,5.9		**¶12083092**
ISCJB	II	11 17 52 58.3–.36	3.68N–.05	126.76E–.07	53	5.8s,4.8b		
NEIC	II	11 17 52 58.1–3.4	3.75N	126.79E	34–24	5.2b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=11.2km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.9km az=170.9.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.0km az=85.0.

(263) Talaud Islands

ISC	**II**	**11 18 22 04.6–.44**	**4.03N–.05**	**126.68E–.06**	**36–2**	**5.1b**	**257**	**3-167**
IDC	II	11 18 21 59.0–.38	3.93N	126.53E	0	4.7,4.7		**¶11671881**
BJI	II	11 18 22 00.8	3.72N	126.41E	32	5.3b,4.8b		
ISCJB	II	11 18 22 02.5–.20	4.16N–.03	126.80E–.04	33	5.8s,5.0b		
MOS	II	11 18 22 02.0–.94	3.93N	126.60E	33	5.4b,5.0b		
NEIC	II	11 18 22 04.9–1.3	3.96N	126.65E	44–12	5.1b,5.0b		
DJA	II	11 18 22 07	3.65N	126.81E	10	5.2b,5.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.1km s-min=9.4km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=163.2.
MOS Error ellipse: s-maj=13.4km s-min=5.6km az=117.7.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=4.6km az=67.0. Felt [III] in the Kepulauan Talaud.

(263) Talaud Islands

ISC	**II**	**11 18 25 11.2–.29**	**4.01N–.03**	**126.76E–.04**	**34–0**	**6.0s,5.8b**	**962**	**3-169**
IDC	II	11 18 25 06.0–.30	3.96N	126.73E	0	5.9s,5.9		**¶11671883**
BJI	II	11 18 25 05.3	3.57N	126.87E	33	6.5b,6.0s		
ISCJB	II	11 18 25 09.5–.13	4.04N–.02	126.85E–.02	35	5.9s,5.8b		
MOS	II	11 18 25 09.0–.97	3.98N	126.78E	33	6.0s,5.9b		
NEIC	II	11 18 25 11.2–.15	4.03N	126.78E	35	5.8b,5.9b		
DJA	II	11 18 25 16	3.91N	126.89E	96	5.6b,5.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.5km s-min=7.8km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=158.7.
MOS Error ellipse: s-maj=9.2km s-min=4.5km az=117.3.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.1km az=69.0. Felt [III] in the Kepulauan Talaud.

(263) Talaud Islands

ISC	**II**	**11 18 47 26.6–.35**	**3.81N–.04**	**126.56E–.05**	**37–1**	**5.7s,5.1b**	**328**	**3-157**
IDC	II	11 18 47 20.9–.37	3.81N	126.53E	0	4.8,4.8		**¶13434483**
ISCJB	II	11 18 47 24.1–.20	3.80N–.03	126.68E–.04	33	5.6s,5.1b		
BJI	II	11 18 47 24.2	3.82N	126.62E	34	5.8b,5.7s		
MOS	II	11 18 47 24.1–1.1	3.82N	126.53E	33	5.3b,5.7s		
NEIC	II	11 18 47 26.2–.21	3.83N	126.51E	35	5.3b,5.7s		
DJA	II	11 18 47 28	3.66N	126.84E	10	5.2b,5.7s		

ISC Event type se.
IDC Error ellipse: s-maj=14.6km s-min=9.0km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=154.1.
MOS Error ellipse: s-maj=10.9km s-min=5.6km az=115.9.

NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.7km az=71.0.

(263) Talaud Islands

ISC	**II**	**11 18 54 04.3–.29**	**4.01N–.04**	**126.71E–.06**	**45**	**5.5s,5.0b**	**328**	**3-157**
BJI	II	11 18 53 55.9	3.24N	126.75E	35	5.5s,5.4		**¶11671887**
IDC	II	11 18 53 58.0–.37	3.97N	126.66E	0	5.5s,5.4		
MOS	II	11 18 54 01.2–1.0	3.98N	126.68E	33	5.3b,5.4		
ISCJB	II	11 18 54 02.8–.20	4.09N–.03	126.82E–.04	45	5.4s,5.0b		
NEIC	II	11 18 54 03.1–.19	3.95N	126.71E	35	5.1b,5.0b		
DJA	II	11 18 54 10	3.66N	126.80E	51	5.1b,5.0b		

ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=9.5km az=78.0.
MOS Error ellipse: s-maj=13.3km s-min=6.1km az=116.8.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.9km az=173.8.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=74.0.

(263) Talaud Islands

ISC	**II**	**11 19 00 20.8–.44**	**3.87N–.07**	**126.31E–.10**	**45**	**4.5b**	**82**	**4-157**
IDC	II	11 19 00 14.3–.54	3.85N	126.26E	0	5.7s,5.7		**¶13434486**
ISCJB	II	11 19 00 18.9–.37	3.87N–.06	126.26E–.07	45	5.7s,4.5b		
NEIC	II	11 19 00 19.7–.32	3.89N	126.33E	35	4.8b,4.5b		

ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=11.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.5km az=156.5.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.7km az=70.0.

(263) Talaud Islands

ISC	**II**	**11 19 01 56.7–.20**	**3.92N–.03**	**126.54E–.04**	**45**	**5.5b,5.5s**	**582**	**3-167**
BJI	II	11 19 01 51.1	3.45N	126.63E	38	5.8b,5.6s		**¶11671888**
MOS	II	11 19 01 53.2–1.0	3.82N	126.49E	33	5.7b,5.6s		
ISCJB	II	11 19 01 54.9–.14	3.91N–.02	126.64E–.03	45	5.5b,5.5s		
NEIC	II	11 19 01 55.4–.17	3.83N	126.48E	35	5.5b,5.5s		
IDC	II	11 19 01 55.3–1.7	3.83N	126.49E	33–12	5.3s,5.3		
DJA	II	11 19 02 01	3.72N	126.71E	77	5.5b,5.3		

ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=114.1.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.9km az=162.4.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=73.0. Felt [III] in the Kepulauan Talaud.
IDC Error ellipse: s-maj=13.0km s-min=8.5km az=75.0.

(263) Talaud Islands

ISC	**II**	**11 19 18 54.8–.48**	**3.96N–.03**	**126.74E–.06**	**32–3**	**4.9b**	**228**	**3-157**
IDC	II	11 19 18 49.9–.44	3.90N	126.64E	0	4.7,4.7		**¶13434487**
MOS	II	11 19 18 52.7–.92	3.89N	126.72E	33	5.2b,4.7		
ISCJB	II	11 19 18 52.6–.22	3.97N–.03	126.76E–.05	30	5.2s,4.8b		
BJI	II	11 19 18 52.0	3.70N	126.43E	32	5.9b,5.3s		
NEIC	II	11 19 18 54.9–.28	3.95N	126.83E	35	5.0b,5.3s		
DJA	II	11 19 19 00	3.77N	126.88E	57	4.9b,5.3s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=10.9km az=72.0.
MOS Error ellipse: s-maj=15.5km s-min=6.0km az=116.6.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.5km az=161.9.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=6.3km az=67.0. Felt [III] in the Kepulauan Talaud.

(263) Talaud Islands

ISC	**II**	**11 19 56 48.3–.39**	**4.00N–.04**	**126.65E–.05**	**31–2**	**5.5b,5.1s**	**543**	**3-159**
BJI	II	11 19 56 42.9	3.50N	126.63E	32	5.9b,5.4s		**¶11671896**
IDC	II	11 19 56 43.3–.33	3.91N	126.56E	0	5.2,5.2		
MOS	II	11 19 56 46.7–.92	3.91N	126.60E	33	5.6b,5.2		
ISCJB	II	11 19 56 46.4–.15	4.03N–.02	126.75E–.03	31	5.4b,5.1s		
NEIC	II	11 19 56 48.6–.17	3.96N	126.66E	35	5.5b,5.1s		
DJA	II	11 19 56 54	3.82N	126.85E	69	5.2b,5.1s		

ISC Event type fe.
IDC Error ellipse: s-maj=14.5km s-min=8.4km az=72.0.
MOS Error ellipse: s-maj=9.9km s-min=4.7km az=115.9.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.1km az=160.9.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=69.0. Felt [IV] in the Kepulauan Talaud.

(263) Talaud Islands

ISC	**II**	**11 20 16 17.9–.55**	**3.79N–.04**	**126.45E–.06**	**34–1**	**5.0b**	**243**	**3-157**
IDC	II	11 20 16 12.4–.42	3.82N	126.42E	0	4.7,4.7		**¶11671901**
BJI	II	11 20 16 13.1	3.50N	126.50E	32	5.4b,5.2s		
MOS	II	11 20 16 15.7–.98	3.77N	126.39E	33	5.2b,5.2s		
ISCJB	II	11 20 16 15.9–.23	3.73N–.03	126.46E–.05	35	5.0b,5.0s		
NEIC	II	11 20 16 18.4–1.1	3.78N	126.47E	42–10	5.0b,5.0s		
DJA	II	11 20 16 22	3.80N	126.78E	77	5.2b,5.0s		

ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=9.9km az=77.0.
MOS Error ellipse: s-maj=13.5km s-min=5.8km az=117.9.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.5km az=166.5.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.5km az=79.0.

(263) Talaud Islands

ISC	**II**	**11 20 27 25.3–.54**	**3.71N–.04**	**126.63E–.06**	**33–2**	**5.0b**	**255**	**3-149**
BJI	II	11 20 27 22.3	3.63N	126.53E	30	5.5b,5.2s		**¶13434494**
IDC	II	11 20 27 23.9–3.9	3.70N	126.60E	24–25	4.7,4.7		
ISCJB	II	11 20 27 23.7–.22	3.78N–.03	126.65E–.04	33	5.1s,5.0b		
MOS	II	11 20 27 23.0–.82	3.69N	126.63E	33	5.3b,5.0b		
NEIC	II	11 20 27 25.3–.24	3.72N	126.60E	35	5.2b,5.0b		
DJA	II	11 20 27 32	3.53N	126.66E	71	5.0b,5.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.7km s-min=10.1km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=162.5.
MOS Error ellipse: s-maj=13.4km s-min=6.2km az=113.1.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.3km az=84.0. Felt [III] in the Kepulauan Talaud.

(263) Talaud Islands

ISC	**II**	**11 20 50 00.6–.47**	**3.60N–.07**	**126.6E–.10**	**53**	**4.7b**	**104**	**3-123**
IDC	II	11 20 49 53.5–.52	3.64N	126.57E	0	4.5,4.5		**¶12700048**
BJI	II	11 20 49 56.9	3.67N	126.67E	31	5.5b,4.9s		
ISCJB	II	11 20 49 58.8–.32	3.59N–.05	126.65E–.07	53	4.7b,4.9s		
NEIC	II	11 20 49 58.7–.29	3.62N	126.62E	35	4.8b,4.9s		

ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=11.7km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.1km az=161.9.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.2km az=77.0.

(263) Talaud Islands

ISC	**II**	**11 21 10 39.9–.60**	**3.83N–.03**	**126.83E–.06**	**28–3**	**4.9b**	**237**	**3-140**
IDC	II	11 21 10 35.1–.49	3.71N	126.75E	0	4.7,4.7		**¶11671908**
BJI	II	11 21 10 37.4	3.57N	126.55E	28	5.4b,4.9s		
ISCJB	II	11 21 10 37.5–.23	3.74N–.03	126.80E–.05	27	4.9b,4.8s		
MOS	II	11 21 10 38.4–.97	3.74N	126.76E	33	5.2b,4.8s		
NEIC	II	11 21 10 40.3–.23	3.73N	126.79E	35	5.0b,4.8s		
DJA	II	11 21 10 47	3.50N	126.95E	50	4.9b,4.8s		

ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=11.4km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.5km az=163.0.
MOS Error ellipse: s-maj=13.0km s-min=5.9km az=115.5.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.8km az=84.0.

(263) Talaud Islands

ISC	**II**	**11 22 14 27.7–.26**	**3.66N–.02**	**126.64E–.03**	**32–1**	**6.0b,5.5s**	**1249**	**3-169**
BJI	II	11 22 14 24.1	3.45N	126.63E	33	6.0b,5.8b		**¶13434506**
ISCJB	II	11 22 14 25.6–.12	3.73N–.02	126.74E–.02	29	5.9b,5.5s		
IDC	II	11 22 14 26.7–1.7	3.73N	126.66E	22–10	5.7,5.7b		
NEIC	II	11 22 14 26.7–.12	3.72N	126.65E	25	5.9b,5.9W		
MOS	II	11 22 14 26.4–.96	3.68N	126.62E	33	6.2b,5.5s		
DJA	II	11 22 14 33	3.73N	126.86E	85	5.6W,5.5s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.5km az=161.6.
IDC Error ellipse: s-maj=12.6km s-min=8.4km az=78.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=74.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s40.00000°,δ75.00000° ,λ130.00000°. NP2:ϕ_s147.00000°,δ42.00000°,λ23.00000°. Principal axes: T Plg45.0000° ,Azm350.0000°; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm101.0000° Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}6.64 $M_{\theta\theta}$1.46 $M_{\phi\phi}$-8.10 $M_{r\theta}$-1.18 $M_{\theta\phi}$5.17 $M_{\phi r}$2.14 Best double couple: NP1:ϕ_s333.00000°,δ53.00000°,λ85.00000°. NP2:ϕ_s161.00000° ,δ37.00000°,λ96.00000°. Principal axes: T 7.0000,Plg81.0000°,Azm220.0000° ; N 3.7000,Plg3.0000°,Azm335.0000°; P -10.7000,Plg7.0000°,Azm66.0000° $M_0$9.40000×10^{17}
MOS Error ellipse: s-maj=9.3km s-min=4.3km az=117.9.

(266) Northern Molucca Sea

ISC	**II**	**11 22 32 50.6–.34**	**3.78N–.04**	**126.85E–.06**	**40–2**	**5.0b,5.0s**	**345**	**3-157**
BJI	II	11 22 32 42.2	2.98N	127.12E	35	5.5b,5.1s		**¶11671918**
IDC	II	11 22 32 45.0–.39	3.76N	126.72E	0	4.8,4.8		
MOS	II	11 22 32 48.2–.98	3.76N	126.79E	33	5.3b,4.8		
NEIC	II	11 22 32 50.0–.22	3.82N	126.94E	35	5.1b,4.8		
ISCJB	II	11 22 32 51.3–.48	3.83N–.02	126.96E–.04	59–4	5.0b,4.9s		
DJA	II	11 22 32 56	3.51N	126.86E	64	5.0b,4.9s		

ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=9.5km az=76.0.
MOS Error ellipse: s-maj=13.6km s-min=5.7km az=117.9.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=166.4.

(263) Talaud Islands

ISC	**II**	**11 22 51 29.6–.66**	**3.83N–.04**	**126.81E–.06**	**52–5**	**4.8b,4.5s**	**195**	**3-157**
IDC	II	11 22 51 22.6–.50	3.74N	126.49E	0	4.6,4.6		**¶13434508**
BJI	II	11 22 51 25.5	3.43N	126.93E	62	5.6b,4.8s		
MOS	II	11 22 51 25.9–.92	3.76N	126.52E	33	5.2b,4.8s		
NEIC	II	11 22 51 27.7–.25	3.76N	126.66E	35	4.9b,4.8s		
ISCJB	II	11 22 51 30.2–.68	3.82N–.03	126.79E–.05	76–6	4.6b,4.8s		
DJA	II	11 22 51 34	3.68N	126.83E	67	4.9b,4.8s		

ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=11.7km az=70.0.
MOS Error ellipse: s-maj=17.4km s-min=6.8km az=118.4.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.1km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.9km az=154.0.

(263) Talaud Islands

ISC	**II**	**12 00 02 59.9–.31**	**3.92N–.03**	**126.57E–.04**	**33–1**	**5.4b,5.0s**	**534**	**3-157**
BJI	II	12 00 02 57.9	3.92N	126.62E	28	5.4b,5.3b		**¶11671926**
MOS	II	12 00 02 58.2–.98	3.94N	126.58E	33	5.4b,5.0s		
ISCJB	II	12 00 02 58.2–.14	4.04N–.02	126.69E–.03	32	5.4b,5.0s		
IDC	II	12 00 02 59.0–1.8	3.93N	126.62E	27–11	5.0,5.0		
NEIC	II	12 00 03 00.0–.16	3.93N	126.58E	35	5.5b,5.0		
DJA	II	12 00 03 04	3.77N	126.68E	29	5.5b,5.0		

ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=4.8km az=114.3.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.7km az=162.2.
IDC Error ellipse: s-maj=14.3km s-min=8.0km az=69.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.8km az=67.0.

(263) Talaud Islands

ISC	**II**	**12 01 25 27.2–.39**	**4.07N–.03**	**126.80E–.04**	**30–2**	**5.5b,5.2s**	**714**	**3-169**
IDC	II	12 01 25 22.0–.34	3.93N	126.75E	0	5.1s,5.1b		**¶13434516**
BJI	II	12 01 25 24.4	4.00N	126.90E	27	5.5b,5.4s		
NEIC	II	12 01 25 25.2–2.0	4.04N	126.80E	16–12	5.5b,5.5W		
MOS	II	12 01 25 26.1–1.2	4.06N	126.76E	33	5.7b,5.1s		
ISCJB	II	12 01 25 27.8–.47	4.09N–.02	126.84E–.03	49–4	5.4b,5.2s		
TEH	II	12 01 25 28.0	4.07N	126.80E	35	5.8L,5.2s		
DJA	II	12 01 25 32	3.83N	126.87E	27	5.4b,5.2s		

ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=8.2km az=85.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.5km az=76.0. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}1.73 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-1.66 $M_{r\theta}$-0.29 $M_{\theta\phi}$0.02 $M_{\phi r}$0.74 Best double couple: NP1:ϕ_s351.00000°,δ57.00000°,λ81.00000°. NP2:ϕ_s187.00000° ,δ34.00000°,λ103.00000°. Principal axes: T 1.9200,Plg75.0000°,Azm235.0000° ; N -0.1100,Plg7.0000°,Azm355.0000°; P -1.8200,Plg11.0000°,Azm87.0000° $M_0$1.90000×10^{17}
MOS Error ellipse: s-maj=8.5km s-min=4.4km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=156.1.

(263) Talaud Islands

ISC	**II**	**12 01 42 09.0–.31**	**4.00N–.03**	**126.55E–.04**	**34–1**	**5.6b,4.8s**	**775**	**3-167**
IDC	II	12 01 42 03.9–.33	4.06N	126.56E	0	5.3,5.3		**¶15955581**
MOS	II	12 01 42 07.2–1.0	4.02N	126.56E	33	5.7b,5.3		
NEIC	II	12 01 42 09.6–.82	4.01N	126.63E	42–7	5.5b,5.3		
TEH	II	12 01 42 09.0	4.04N	126.75E	35	5.4L,5.3		
BJI	II	12 01 42 09.3	4.20N	126.57E	33	5.6b,5.5b		
ISCJB	II	12 01 42 10.4–.42	3.98N–.02	126.69E–.03	65–3	5.4b,5.5b		
DJA	II	12 01 42 14	3.84N	126.72E	79	5.4b,5.5b		

ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=8.1km az=73.0.
MOS Error ellipse: s-maj=9.0km s-min=4.4km az=115.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.3km az=164.2.

(263) Talaud Islands

ISC	**II**	**12 03 49 40.9–.18**	**3.98N–.03**	**126.48E–.04**	**35–2**	**6.0b,5.8s**	**1376**	**3-169**
IDC	II	12 03 49 35.3–.34	3.95N	126.51E	0	5.7s,5.7b		**¶14189427**
MOS	II	12 03 49 38.3–.94	3.92N	126.50E	33	6.1b,5.8s		
ISCJB	II	12 03 49 39.5–.11	3.97N–.02	126.60E–.02	41	5.9b,5.8s		
BJI	II	12 03 49 39.6	4.01N	126.58E	35	6.1b,5.9s		
NEIC	II	12 03 49 39.7–.15	3.95N	126.41E	26	6.0b,6.0W		
TEH	II	12 03 49 41.0	3.88N	126.48E	42	6.0L,6.0W		
DJA	II	12 03 49 45	3.86N	126.76E	87	5.9W,6.0W		

ISC Event type fe.
IDC Error ellipse: s-maj=13.6km s-min=9.0km az=85.0.
MOS Error ellipse: s-maj=8.3km s-min=4.4km az=114.6.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=149.7.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.5km az=67.0. Felt [III] at Tahuna, Sangir and on Pulau Talaud. Felt [II PIVS] at Davao, Philippines. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s90 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s0.00000°,δ70.00000°,λ135.00000°. NP2: ϕ_s109.00000°,δ48.00000°,λ27.00000°. Principal axes: T 1.1600,Plg45.0000°,Azm315.0000° ; N -0.0200,Plg41.0000°,Azm161.0000°; P -1.1400,Plg13.0000°,Azm59.0000° $M_0$1.10000×10^{18}

(263) Talaud Islands

ISC	**II**	**12 04 16 39.8–.41**	**3.73N–.03**	**126.52E–.06**	**33–1**	**5.2b,4.9s**	**362**	**3-162**
IDC	II	12 04 16 34.4–.42	3.68N	126.35E	0	4.9,4.9		**¶13434524**
ISCJB	II	12 04 16 38.0–.19	3.84N–.03	126.72E–.04	33	5.1b,4.8s		
BJI	II	12 04 16 38.2	3.68N	126.51E	39	5.7b,5.1s		
MOS	II	12 04 16 38.1–.94	3.71N	126.40E	33	5.4b,5.1s		
NEIC	II	12 04 16 39.6–.19	3.75N	126.50E	35	5.2b,5.1s		
DJA	II	12 04 16 50	3.14N	126.67E	20	5.2,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=10.2km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=169.4.
MOS Error ellipse: s-maj=13.0km s-min=5.5km az=118.4.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.2km az=73.0.

(263) Talaud Islands

ISC	**II**	**12 04 27 07.4–.26**	**4.05N–.04**	**126.65E–.05**	**45**	**5.1b,4.6s**	**392**	**3-158**
IDC	II	12 04 27 00.9–.41	4.03N	126.50E	0	4.9,4.9b		**¶13434525**
BJI	II	12 04 27 02.8	3.79N	126.70E	35	5.5b,5.1b		
MOS	II	12 04 27 04.6–.95	4.04N	126.58E	33	5.3b,5.1b		
ISCJB	II	12 04 27 05.8–.16	4.06N–.02	126.75E–.03	45	5.1b,4.7s		
NEIC	II	12 04 27 06.2–.16	4.01N	126.57E	35	5.2b,4.7s		
DJA	II	12 04 27 12	3.72N	126.77E	43	5.1b,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=10.2km az=75.0.
MOS Error ellipse: s-maj=11.2km s-min=5.4km az=114.1.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=161.9.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.7km az=69.0.

(263) Talaud Islands

ISC	**II**	**12 07 07 37.6–.32**	**3.97N–.03**	**126.67E–.04**	**33–1**	**5.5b,4.4s**	**694**	**3-167**
IDC	II	12 07 07 32.3–.36	3.99N	126.60E	0	5.1,5.1		**¶13434527**
MOS	II	12 07 07 36.0–.93	4.00N	126.61E	33	5.6b,4.4s		
ISCJB	II	12 07 07 36.2–.14	4.07N–.02	126.75E–.03	34	5.4b,4.4s		
NEIC	II	12 07 07 37.8–.14	4.02N	126.66E	35	5.5b,4.4s		
BJI	II	12 07 07 37.0	4.09N	126.59E	35	5.4b,5.2b		

DJA II 12 07 07 43 3.82N 126.73E 58 5.2b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=9.5km az=82.0.
MOS Error ellipse: s-maj=9.6km s-min=4.6km az=115.4.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.8km az=168.1.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.5km az=72.0.

(263) Talaud Islands

ISC II 12 07 38 06.7–.30 3.76N–.03 126.93E–.04 33–1 5.5b,5.2s 684 3-169
IDC II 12 07 38 01.3–.33 3.72N 126.82E 0 5.3,5.2s **¶13434529**
BJI II 12 07 38 02.7 3.39N 126.97E 33 5.6b,5.4s
MOS II 12 07 38 05.0–1.1 3.71N 126.76E 33 5.7b,5.2s
NEIC II 12 07 38 06.8–.14 3.71N 126.79E 35 5.6W,5.5b
ISCJB II 12 07 38 06.7–.50 3.73N–.02 126.91E–.03 48–4 5.5b,5.2s
DJA II 12 07 38 11 3.63N 126.96E 77 5.2W,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=8.9km az=74.0.
MOS Error ellipse: s-maj=9.7km s-min=4.5km az=113.8.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.6km az=72.0. Moment Tensor Solution. s40 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-0.98 $M_{r\theta}$0.99 $M_{\theta\phi}$0.82 $M_{\phi r}$2.17 Best double couple: NP1:ϕ_s130.00000°,δ25.00000°,λ34.00000°. NP2:ϕ_s8.00000°,δ76.00000°,λ111.00000°. Principal axes: T 3.1700,Plg54.0000°,Azm303.0000°; N -0.9000,Plg20.0000°,Azm182.0000°; P -2.2700,Plg27.0000°,Azm80.0000° M_o2.80000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.6km az=154.5.

(263) Talaud Islands

ISC II 12 08 16 26.6–.47 3.88N–.07 126.7E–.10 45 4.6b 74 3-157
DJA II 12 08 16 19.4–1.0 5N–8.0 128E–9.0 10 5.8b,5.4 **¶11672755**
BJI II 12 08 16 20.9 3.24N 126.68E 60 5.2b,4.6b
IDC II 12 08 16 20.1–.52 3.92N 126.59E 0 4.5,4.4
ISCJB II 12 08 16 24.3–.38 3.93N–.06 126.8E–.10 45 4.6b,4.4
NEIC II 12 08 16 25.2–.35 3.92N 126.77E 35 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=11.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=6.4km az=160.5.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=7.3km az=70.0.

(263) Talaud Islands

ISC II 12 08 30 18.1–.16 3.93N–.02 126.68E–.03 45 5.8b,5.7s 1278 3-169
IDC II 12 08 30 11.9–.31 3.99N 126.74E 0 5.6,5.6s **¶11671968**
MOS II 12 08 30 15.7–1.1 4.01N 126.69E 33 6.1b,5.8s
ISCJB II 12 08 30 16.6–.11 3.98N–.02 126.82E–.02 45 5.8b,5.7s
NEIC II 12 08 30 17.3–.10 3.97N 126.72E 35 5.9b,5.9W
BJI II 12 08 30 17.6 4.27N 126.77E 33 5.9s,5.8b
DJA II 12 08 30 22 3.82N 126.87E 74 5.8W,5.8b
ISC Event type se.
IDC Error ellipse: s-maj=13.1km s-min=8.6km az=74.0.
MOS Error ellipse: s-maj=9.2km s-min=4.4km az=116.2.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.1km az=164.3.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=72.0. Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}5.24 $M_{\theta\theta}$-1.61 $M_{\phi\phi}$-3.63 $M_{r\theta}$-0.26 $M_{\theta\phi}$1.70 $M_{\phi r}$2.41 Best double couple: NP1:ϕ_s339.00000°,δ58.00000°,λ99.00000°. NP2:ϕ_s143.00000°,δ33.00000°,λ76.00000°. Principal axes: T 5.8600,Plg75.0000°,Azm275.0000°; N -0.7700,Plg7.0000°,Azm154.0000°; P -5.0900,Plg12.0000°,Azm63.0000° M_o5.50000×10^{17}

(215) Mariana Islands region

IDC II 12 08 35 17.1–1.0 21.62N 146.25E 0 5.5s,5.5 ¶15955661
IDC Error ellipse: s-maj=29.0km s-min=24.0km az=40.0.

(263) Talaud Islands

ISC II 12 11 35 13.4–.31 3.92N–.03 126.64E–.05 33–1 5.2b,4.2s 540 3-150
IDC II 12 11 35 08.5–.42 3.94N 126.52E 0 4.9,4.9 **¶11671976**
ISCJB II 12 11 35 12.0–.17 4.04N–.02 126.80E–.03 36 5.2b,4.3s
BJI II 12 11 35 11.9 3.85N 126.67E 44 5.4b,5.2b
MOS II 12 11 35 11.8–1.1 4.00N 126.61E 33 5.5b,4.2s
NEIC II 12 11 35 13.6–.18 3.99N 126.69E 35 5.3b,4.2s
DJA II 12 11 35 17 3.85N 126.88E 69 5.0b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=10.5km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.3km az=165.1.
MOS Error ellipse: s-maj=11.3km s-min=5.0km az=114.6.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=70.0.

(263) Talaud Islands

ISC II 12 13 15 07.3–.23 4.07N–.02 126.59E–.03 33–1 6.1b,6.1s 1425 3-169
IDC II 12 13 15 02.2–.31 4.03N 126.54E 0 6.0s,6.0 **¶12700271**
BJI II 12 13 15 03.1 3.73N 126.66E 37 6.4b,6.1s
ISCJB II 12 13 15 05.8–.10 4.07N–.02 126.63E–.02 35 6.0s,6.0b
MOS II 12 13 15 05.4–1.0 4.03N 126.60E 33 6.2b,6.0b
NEIC II 12 13 15 06.3–.10 4.04N 126.55E 27 6.3W,6.2W
TEH II 12 13 15 08.0 4.06N 126.56E 35 6.4L,6.2W
DJA II 12 13 15 12 3.91N 126.74E 66 6.2W,6.2W
ISC Event type fe.
IDC Error ellipse: s-maj=12.7km s-min=9.1km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=156.0.
MOS Error ellipse: s-maj=8.0km s-min=4.2km az=116.8.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.9km az=57.0. Felt [IV] at Melonguanne and [III] at Sangihe and in the Kepulauan Talaud. Also felt at Davao, Philippines. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ70.00000°,λ100.00000°. NP2:ϕ_s163.00000°,δ22.00000°,λ64.00000°. Principal axes: T Plg64.0000°,Azm296.0000°; N Plg0.0000°,Azm0.0000°; P Plg24.0000°,Azm92.0000° Moment Tensor Solution. s65 Moment tensor: Scale 10^{18}Nm; M_{rr}1.56 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-1.75 $M_{r\theta}$0.53 $M_{\theta\phi}$1.18 $M_{\phi r}$0.77 Best double couple: NP1:ϕ_s1.00000°,δ59.00000°,λ126.00000°. NP2:ϕ_s127.00000°,δ46.00000°,λ46.00000°. Principal axes: T 2.0900,Plg58.0000°,Azm324.0000°; N 0.2800,Plg30.0000°,Azm160.0000°; P -2.3700,Plg7.0000°,Azm66.0000° M_o2.20000×10^{18} Moment Tensor Solution. M_o4.40000×10^{18}

(221) Kuril Islands

ISC II 12 13 22 29.5–.41 45.40N–.06 150.75E–.04 60–2 5.2b,4.8s 770 2-150
NIED II 12 13 22 00 45.50N 151.00E 50 5.0W,4.8s **¶11671982**
IDC II 12 13 22 21.6–.50 45.51N 150.74E 0 5.0,4.9
SKHL II 12 13 22 25.0–1.6 45.28N 151.06E 42–12 5.5b,5.3s
JMA II 12 13 22 25.1–.80 45.47N 150.99E 30 5.5,5.3s
MOS II 12 13 22 25.3–1.3 45.35N 150.90E 47 5.4b,5.0s
ISCJB II 12 13 22 26.2–.47 45.43N–.04 150.72E–.03 42–4 5.2b,4.9s
BJI II 12 13 22 26.6 45.37N 150.95E 63 5.4s,5.4b
NEIC II 12 13 22 30.0–.14 45.53N 150.66E 59 5.2b,5.4b
SZGRF II 12 13 22 33.3 46.55N 150.75E 33 5.4b,5.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ58.00000°,λ50.00000°. NP2:ϕ_s223.00000°,δ49.00000°,λ136.00000°. M_o3.79000×10^{16}
IDC Error ellipse: s-maj=17.3km s-min=12.3km az=160.0.
JMA Error ellipse: s-maj=6.7km s-min=7.8km az=-1.0.
MOS Error ellipse: s-maj=15.1km s-min=10.7km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=2.7km az=166.6.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.3km az=162.0.
SZGRF Kuril Islands, Russia.

(210) South of Mariana Islands

ISC II 12 13 41 42.8–.31 12.23N–.04 143.89E–.04 35–1 5.5b,5.2s 846 2-168
IDC II 12 13 41 37.4–.37 12.18N 143.91E 0 5.3s,5.3 **¶11671984**
MOS II 12 13 41 40.9–1.1 12.20N 143.77E 33 5.5b,5.3
ISCJB II 12 13 41 40.4–1.3 12.27N–.03 143.76E–.02 23–9 5.5b,5.2s
BJI II 12 13 41 40.6 12.20N 143.94E 36 5.6b,5.5s
TEH II 12 13 41 43.0 12.15N 143.80E 35 5.5L,5.5s
NEIC II 12 13 41 43.5–.13 12.15N 143.77E 40 5.5b,5.5s
DJA II 12 13 41 56 12.06N 143.98E 164 5.6b,5.5s
ISC Event type fe.
IDC Error ellipse: s-maj=12.9km s-min=8.9km az=90.0.
MOS Error ellipse: s-maj=7.8km s-min=4.9km az=104.8.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=169.3.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.9km az=130.0. Felt at Barrigada, Hagatna, Santa Rita and Tamuning.

(261) Borneo

IDC II 12 13 46 23.0–3.1 3.20N 124.91E 0 4.1,4.0
DJA II 12 13 46 24.0–.50 4N–8.0 116E–5.0 238–15 5.9b,5.5 **¶15955711**

(263) Talaud Islands

ISC II 12 14 16 19.7–.32 3.72N–.03 126.56E–.05 41–2 5.3b,4.5s 453 3-145
BJI II 12 14 16 16.0 3.47N 126.48E 36 5.4b,5.2b **¶13434548**
MOS II 12 14 16 17.0–1.0 3.67N 126.47E 33 5.5b,5.2b
ISCJB II 12 14 16 17.3–.16 3.75N–.02 126.65E–.03 34 5.3b,4.5s
NEIC II 12 14 16 18.9–.18 3.69N 126.51E 35 5.3b,4.5s
IDC II 12 14 16 18.4–1.8 3.68N 126.47E 29–12 4.9,4.9
DJA II 12 14 16 24 3.65N 126.74E 88 5.2b,4.9
ISC Event type fe.
MOS Error ellipse: s-maj=11.2km s-min=5.3km az=114.1.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=159.8.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.0km az=72.0. Felt [IV] at Melonguanne and [III] at Tahuna.
IDC Error ellipse: s-maj=16.8km s-min=8.8km az=76.0.

(263) Talaud Islands

ISC II 12 17 46 04.6–.27 3.96N–.03 126.53E–.04 40–1 5.7b,5.2s 885 3-169
BJI II 12 17 45 59.7 3.70N 126.60E 32 5.6b,5.6b **¶14189438**
MOS II 12 17 46 02.4–1.1 3.98N 126.49E 33 5.8b,5.1s
IDC II 12 17 46 03.5–1.7 3.98N 126.48E 30–11 5.2,5.2
NEIC II 12 17 46 05.3–.78 3.98N 126.48E 44–7 5.7b,5.5W
ISCJB II 12 17 46 06.3–.39 3.94N–.02 126.60E–.03 69–3 5.5b,5.5W
DJA II 12 17 46 08 4.00N 126.73E 67 5.3W,5.5W
ISC Event type fe.
MOS Error ellipse: s-maj=9.0km s-min=4.3km az=114.9.
IDC Error ellipse: s-maj=12.5km s-min=8.1km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.6km az=74.0. Felt [III] at Tahuna. Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.45 $M_{r\theta}$0.68 $M_{\theta\phi}$1.09 $M_{\phi r}$1.11 Best double couple: NP1:ϕ_s4.00000°,δ66.00000°,λ128.00000°. NP2:ϕ_s123.00000°,δ44.00000°,λ37.00000°. Principal axes: T 2.2200,Plg53.0000°,Azm320.0000°; N -0.0700,Plg33.0000°,Azm166.0000°; P -2.1600,Plg12.0000°,Azm68.0000° M_o2.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=161.7.

(177) Kermadec Islands region

ISC II 12 18 54 28.9–.32 31.21S–.03 177.84W–.03 31–1 5.6s,5.6b 1125 2-174
IDC II 12 18 54 24.4–.32 31.04S 177.91W 0 5.5,5.5 **¶13434559**
ISCJB II 12 18 54 27.5–.09 31.62S–.02 178.11W–.03 33 5.6b,5.6s
BJI II 12 18 54 27.2 30.72S 177.57W 29 6.0b,5.6s
NEIC II 12 18 54 28.2–1.6 31.23S 178.11W 24–10 5.8W,5.6b
BGS II 12 18 54 28.1 31.23S 178.11W 24 5.6b,5.6b
DJA II 12 18 54 29 30.95S 178.19W 10 5.7b,5.6b
MOS II 12 18 54 29.3–.97 31.00S 178.16W 33 5.8b,5.5s
ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=7.8km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=1.7km az=34.5.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.4km az=135.0.
MOS Error ellipse: s-maj=9.4km s-min=7.5km az=87.4.

(178) Kermadec Islands

ISC II 13 02 17 49.9–.30 30.94S–.04 178.17W–.05 59–2 5.4b,4.7s 898 2-174
MOS II 13 02 17 46.5–.83 30.63S 178.21W 33 5.6b,4.7s **¶11672871**
BJI II 13 02 17 47.8 30.44S 177.41W 55 5.8b,5.5s
ISCJB II 13 02 17 48.3–.10 31.14S–.03 178.21W–.04 58 5.3b,4.7s
IDC II 13 02 17 50.5–.75 30.57S 178.16W 62–6 5.0,5.0
NEIC II 13 02 17 50.0–.14 30.71S 178.20W 58 5.3b,5.2W
BGS II 13 02 17 50.0 30.71S 178.20W 60 5.3b,5.2W
ISC Event type se.
MOS Error ellipse: s-maj=10.5km s-min=8.4km az=60.5.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.3km az=33.2.
IDC Error ellipse: s-maj=15.9km s-min=12.3km az=4.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.6km az=157.0. Moment Tensor Solution. s15 Moment tensor: Scale 10^{16}Nm; M_{rr}8.00 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$-6.60 $M_{r\theta}$0.11 $M_{\theta\phi}$-2.86 $M_{\phi r}$-0.36 Best double couple: NP1:ϕ_s26.00000°,δ44.00000°,λ93.00000°. NP2:ϕ_s202.00000°,δ46.00000°,λ88.00000°. Principal axes: T 8.0100,Plg87.0000°,Azm54.0000°; N -0.1500,Plg1.0000°,Azm203.0000°; P -7.8700,Plg1.0000°,Azm293.0000° M_o7.90000×10^{16}

(122) Near coast of northern Chile

ISC II 13 07 47 25.2–.74 23.02S–.04 70.66W–.06 26–4 4.8b,4.2s 478 0-176
IDC II 13 07 47 21.1–.56 22.98S 70.62W 0 4.6,4.5 **¶11672894**
GUC II 13 07 47 22.0–.91 23.09S 70.83W 28–7 4.9L,4.5
ISCJB II 13 07 47 23.6–.86 23.04S–.03 70.72W–.05 21–6 4.7b,4.2s
BJI II 13 07 47 23.8 23.67S 70.17W 27 5.5s,5.2
NEIC II 13 07 47 25.3–2.1 23.09S 70.61W 26–15 4.8b,5.2
ISC Event type fe.
IDC Error ellipse: s-maj=19.0km s-min=14.7km az=77.0.
GUC Error ellipse: s-maj=5.7km s-min=9.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.7km az=172.2.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=6.1km az=78.0. Felt at Antofagasta.

(263) Talaud Islands

ISC II 13 12 37 51.6–.23 3.79N–.03 126.74E–.04 39–2 5.4b,5.2s 707 3-169
IDC II 13 12 37 45.3–.35 3.68N 126.70E 0 5.1,5.1 **¶11672906**
BJI II 13 12 37 46.1 3.37N 126.89E 38 5.4b,5.3s
MOS II 13 12 37 49.2–1.4 3.76N 126.74E 33 5.7b,5.0s
ISCJB II 13 12 37 50.8–.39 3.77N–.02 126.85E–.02 49–3 5.4b,5.1s
NEIC II 13 12 37 51.0–.15 3.75N 126.68E 35 5.5b,5.3W
DJA II 13 12 37 55 3.77N 126.90E 65 5.3W,5.3W
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=7.6km az=72.0.
MOS Error ellipse: s-maj=9.7km s-min=4.7km az=115.3.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.1km az=157.9.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.8km az=67.0. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.86 $M_{\theta\theta}$0.27 $M_{\phi\phi}$-1.13 $M_{r\theta}$0.44 $M_{\theta\phi}$0.10 $M_{\phi r}$0.01 Best double couple: NP1:ϕ_s21.00000°,δ51.00000°,λ128.00000°. NP2:ϕ_s151.00000°,δ52.00000°,λ53.00000°. Principal axes: T 1.1000,Plg61.0000°,Azm356.0000°; N 0.0400,Plg28.0000°,Azm175.0000°; P -1.1400,Plg0.0000°,Azm265.0000° M_o1.10000×10^{17}

(263) Talaud Islands

ISC II 13 16 49 13.7–.22 3.64N–.03 126.90E–.04 48 5.2b,4.7s 487 3-169
BJI II 13 16 49 07.9 3.20N 126.83E 35 5.3b,5.1b **¶11672918**
IDC II 13 16 49 07.4–.39 3.51N 126.68E 0 5.0,5.0
MOS II 13 16 49 10.7–1.1 3.60N 126.78E 33 5.5b,4.7s
TEH II 13 16 49 12.0 3.69N 127.09E 35 5.6L,4.7s
NEIC II 13 16 49 12.3–.19 3.64N 126.84E 35 5.2b,4.7s
ISCJB II 13 16 49 12.2–.17 3.64N–.02 126.92E–.03 48 5.2b,4.7s
DJA II 13 16 49 18 3.52N 126.91E 65 5.2b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=8.9km az=79.0.
MOS Error ellipse: s-maj=11.7km s-min=5.2km az=116.8.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.4km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=176.2.

(263) Talaud Islands

ISC II 13 21 26 37.5–.26 3.76N–.03 126.48E–.04 41–1 5.5b,4.9s 768 3-169
BJI II 13 21 26 33.2 3.45N 126.52E 39 5.4b,5.2b **¶15956002**
MOS II 13 21 26 34.9–.90 3.74N 126.45E 33 5.6b,4.9s
IDC II 13 21 26 37.0–1.4 3.76N 126.46E 36–10 5.0,5.0
NEIC II 13 21 26 36.6–.53 3.78N 126.46E 32–3 5.5b,5.2W
ISCJB II 13 21 26 38.7–.38 3.79N–.02 126.59E–.02 67–3 5.3b,5.2W
TEH II 13 21 26 38.0 3.89N 126.64E 42 5.5L,5.2W
DJA II 13 21 26 42 3.71N 126.71E 89 5.3W,5.2W
ISC Event type se.
MOS Error ellipse: s-maj=9.9km s-min=4.7km az=116.1.
IDC Error ellipse: s-maj=12.2km s-min=8.2km az=67.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=70.0. Moment Tensor Solution. s25 Moment tensor: Scale 10^{16}Nm; M_{rr}1.13 $M_{\theta\theta}$-1.94 $M_{\phi\phi}$0.81 $M_{r\theta}$2.06 $M_{\theta\phi}$0.36 $M_{\phi r}$7.98 Best double couple: NP1:ϕ_s15.00000°,δ89.00000°,λ87.00000°. NP2:ϕ_s274.00000°,δ3.00000°,λ168.00000°. Principal axes: T 9.2200,Plg45.0000°,Azm282.0000°; N -1.9400,Plg2.0000°,Azm15.0000°; P -7.2800,Plg44.0000°,Azm108.0000° M_o8.40000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.8km az=157.5.

(192) New Britain region

ISC II 14 20 29 12.5–.28 5.46S–.04 151.85E–.04 60–1 5.2b 833 6-157
IDC II 14 20 29 04.3–.36 5.35S 151.82E 0 5.1,5.1 **¶11673104**
BJI II 14 20 29 09.0 5.61S 152.10E 63 5.3b,5.2b
MOS II 14 20 29 09.1–1.0 5.33S 151.71E 36 5.5b,5.0s

NEIC II 14 20 29 11.2–.80 5.42S 151.72E 48–7 5.2b,5.0s
ISCJB II 14 20 29 11.6–.13 5.46S–.03 151.65E–.03 61 5.2b,5.0s
DJA II 14 20 29 14 5.89S 152.31E 93 5.2b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=10.2km az=97.0.
MOS Error ellipse: s-maj=8.2km s-min=6.2km az=91.1.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.6km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.6km az=166.7.

(293) South of Timor

ISC	**II**	**14 23 23 18.1–.66**	**11.45S–.06**	**123.50E–.08**	**35**	**4.0b**	**32**	**3-79**
IDC	II	14 23 23 14.0–.88	11.12S	123.56E	0	4.6L,4.3		**¶12700723**
NEIC	II	14 23 23 15.4–.68	11.23S	123.45E	10	4.6b,4.3		
ISCJB	II	14 23 23 16.1–.48	11.45S–.06	123.39E–.10	33	3.9b,4.3		
DJA	II	14 23 23 17.1–.50	11S–5.0	123E–7.0	10	6.0b,5.6		

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

(228) Near east coast of eastern Honshu

ISC	**II**	**15 09 24 33.0–.23**	**40.26N–.02**	**142.31E–.02**	**45–1**	**6.1b,5.6s**	**2163**	**0-162**
NIED	II	15 09 24 00	40.30N	142.50E	44	5.7W,5.6s		**¶13434657**
MOS	II	15 09 24 30.7–.86	40.36N	142.28E	33	6.4b,5.5s		
BJI	II	15 09 24 31.5	40.12N	142.21E	51	5.9b,5.9b		
NEIC	II	15 09 24 31.7–.08	40.24N	142.24E	33	6.1b,5.8		
JMA	II	15 09 24 32.2–.10	40.25N	142.42E	36–1	5.9,5.8		
ISCJB	II	15 09 24 33.2–.23	40.28N–.02	142.27E–.02	56–2	6.0b,5.6s		
SZGRF	II	15 09 24 33.9	40.92N	143.45E	45	6.2b,5.4s		
IDC	II	15 09 24 33.4–.36	40.26N	142.29E	46–3	5.6,5.6		
TEH	II	15 09 24 34.0	40.27N	142.23E	47	5.9L,5.6		
BGS	II	15 09 24 34.3–1.4	40.41N	141.00E	33	6.0b,5.4s		
DJA	II	15 09 24 48	40.04N	141.56E	146	5.7W,5.4s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ72.00000°,λ92.00000°. NP2:ϕ_s198.00000°,δ18.00000°,λ85.00000°. M_o4.06000×10^{17}
MOS Error ellipse: s-maj=5.9km s-min=3.7km az=104.2.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=148.0. Felt [IV] at Misawa and [III] at Aomori. Also felt at Akita, Furukawa, Goshogawara, Hachinohe, Iwate, Mitsuke and Sendai. Felt at Hakodate, Obihiro and Sapporo, Hokkaido. Recorded [4 JMA] in Aomori; [3 JMA] in Akita, Iwate and Miyagi; [2 JMA] in Fukushima and Yamagata; [1 JMA] in Chiba and Saitama. Also recorded [3 JMA] in southwestern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}2.01 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-2.48 $M_{r\theta}$1.57 $M_{\theta\phi}$-0.78 $M_{\phi r}$2.18 Best double couple: NP1:ϕ_s32.00000°,δ71.00000°,λ106.00000°. NP2: ϕ_s171.00000°,δ25.00000°,λ52.00000°. Principal axes: T 3.4000,Plg61.0000°,Azm325.0000° ; N 0.3900,Plg14.0000°,Azm206.0000°; P -3.7900,Plg23.0000°,Azm109.0000° M_o3.60000×10^{17} Moment Tensor Solution. M_o4.10000×10^{17}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s42.00000°,δ62.00000°,λ104.00000°. NP2:ϕ_s195.00000°,δ31.00000°,λ66.00000°. Principal axes: T Plg70.0000°,Azm341.0000°; N Plg12.0000°,Azm215.0000°; P Plg16.0000° ,Azm122.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=168.6.
SZGRF Off east coast of Honshu, Japan.
IDC Error ellipse: s-maj=10.2km s-min=7.7km az=103.0.
BGS Error ellipse: s-maj=187.8km s-min=426.0km az=-1.0.

(108) Off coast of northern Peru

ISC	**II**	**15 10 04 50.2–.40**	**5.82S–.04**	**80.92W–.05**	**30–2**	**5.8b,5.7s**	**1496**	**3-178**
BGS	II	15 10 04 42.5–1.4	6.17S	82.68W	20	6.0b,5.6s		**¶11677912**
IDC	II	15 10 04 46.0–.41	5.78S	80.98W	0	5.7,5.7		
ISCJB	II	15 10 04 49.6–.89	5.78S–.03	80.91W–.02	33–7	5.7b,5.7s		
NEIC	II	15 10 04 49.3–.12	5.85S	80.89W	21	6.1W,5.9W		
MOS	II	15 10 04 50.2–.75	5.68S	80.91W	33	6.0b,5.6s		
BJI	II	15 10 04 50.4	5.90S	80.90W	34	6.1s,6.0b		
SZGRF	II	15 10 04 53.4	5.60S	80.47W	33	5.7b,5.6s		

ISC Event type fe.
BGS Error ellipse: s-maj=694.3km s-min=478.0km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=10.1km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.1km az=29.9.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=50.0. Felt [IV] at Sechura; [III] at Paita and Piura; [II] at Cajamarca, Chulucanas, Huancabamba, Mancora and Sullana. Also felt at Ayabaca, Catacaos, Chiclayo, Chota, Colan, Jaen, La Union, Marcavelica, Morrope, Morropon, Olmos, Pucara, Querecotillo, Talara, Tambo Grande, Trujillo, Tumbes and Zorritos. Felt [II] at Guayaquil, Ecuador. Also felt at Cuenca, Machala and Playas. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s75 Moment tensor: Scale 10^{17}Nm; M_{rr}5.13 $M_{\theta\theta}$0.37 $M_{\phi\phi}$-5.50 $M_{r\theta}$1.06 $M_{\theta\phi}$-2.19 $M_{\phi r}$-6.02 Best double couple: NP1:ϕ_s40.00000°,δ27.00000°,λ130.00000°. NP2:ϕ_s178.00000°,δ70.00000°,λ72.00000°. Principal axes: T 8.2900,Plg61.0000° ,Azm60.0000°; N 0.2000,Plg16.0000°,Azm183.0000°; P -8.5000,Plg22.0000°,Azm281.0000° M_o8.40000×10^{17} Moment Tensor Solution. M_o2.50000×10^{18}
MOS Error ellipse: s-maj=6.9km s-min=4.4km az=90.8.
SZGRF Near coast of northern Peru.

(263) Talaud Islands

ISC	**II**	**16 14 24 25.5–.60**	**3.94N–.06**	**126.8E–.10**	**36**	**4.2b**	**30**	**3-123**
IDC	II	16 14 24 20.0–.58	3.85N	126.43E	0	4.2,4.1		**¶12700906**
ISCJB	II	16 14 24 23.7–.47	3.96N–.04	126.81E–.07	36	4.1b,4.1		
DJA	II	16 14 24 27.8–2.2	4N–13	127E–12	13–29	6.5b,6.3		

ISC Event type ke.
ISCJB Event type ke.

(400) Central Mediterranean Sea

ISC	**II**	**16 23 16 39.9–.23**	**37.24N–.01**	**20.90E–.01**	**13–1**	**5.5b,5.3s**	**2419**	**1-164**
SZGRF	II	16 23 16 36.5	37.07N	21.33E	10	5.8b,5.1s		**¶13434691**
BGS	II	16 23 16 36.3–1.6	36.84N	20.88E	10	5.6b,5.2s		
ROM	II	16 23 16 36.1–.64	37.03N	21.01E	10	5.7L,5.2s		
IDC	II	16 23 16 37.8–.38	37.25N	20.97E	0	5.2,5.2b		
BJI	II	16 23 16 37.6	37.48N	21.13E	8	5.7s,5.7b		
ISCJB	II	16 23 16 37.3–.30	37.28N–.01	20.857E–.01	1–1	5.5b,5.3s		
NEIC	II	16 23 16 38.5	37.13N	20.78E	15	5.5b,5.5L		
ATH	II	16 23 16 38.5	37.13N	20.78E	15–2	5.5L,5.5L		
THE	II	16 23 16 38.2	37.08N	20.75E	0–1	5.7L,5.5L		
PDG	II	16 23 16 38.7–.59	37.15N	20.76E	12–1	5.5,5.4L		
IGIL	II	16 23 16 38.8	37.21N	20.80E	10	5.3b,5.4L		
CSEM	II	16 23 16 39.6–.08	37.21N	20.82E	10	5.6b,5.5s		
MOS	II	16 23 16 40.8–1.1	37.34N	20.86E	33	5.7b,5.3s		
SFS	II	16 23 16 40.0	37.41N	21.07E	10	5.6L,5.3s		
TEH	II	16 23 16 41.0	37.41N	21.07E	10	5.6L,5.3s		
DJA	II	16 23 16 41	37.35N	21.06E	10	5.3b,5.3s		
HLW	II	16 23 16 41.3	37.15N	21.53E	30–28	5.4L,5.2		
BEO	II	16 23 16 59.0–5.0	38.73N	20.57E	0	5.0L,5.2		

ISC Event type fe.
SZGRF Southern Greece.
BGS Error ellipse: s-maj=79.2km s-min=41.4km az=-1.0.
ROM Event type ke. Error ellipse: s-maj=10.4km s-min=2.8km az=118.0.
IDC Error ellipse: s-maj=10.7km s-min=9.2km az=133.0.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.1km az=19.9.
NEIC Event type fe. Felt [II] at Eleousa, Kalamata, Patrai and Preveza, Greece. Also felt at Ambelokipoi, Archaia Olympia, Athens, Athikia, Kiparissos, Larisa, Lithakia, Lixourion, Piraeus, Planos, Tripolis, Valsamata, Varda, Zakinthos and Zitsa. Felt at Gjirokaster, Albania. After ATH. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}0.54 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-1.10 $M_{r\theta}$1.16 $M_{\theta\phi}$0.85 $M_{\phi r}$-0.21 Best double couple: NP1:ϕ_s15.00000°,δ46.00000° ,λ161.00000°. NP2:ϕ_s118.00000°,δ77.00000°,λ45.00000°. Principal axes: T 1.7900,Plg40.0000°,Azm346.0000°; N -0.1100,Plg43.0000°,Azm130.0000° ; P -1.6800,Plg19.0000°,Azm239.0000° M_o1.70000×10^{17}
ATH Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=237.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=17.0.
MOS Error ellipse: s-maj=4.3km s-min=2.4km az=99.8.
SFS Event type ke.
BEO Event type ke.

(178) Kermadec Islands

ISC	**II**	**17 03 30 56.2–.43**	**30.75S–.04**	**178.62W–.04**	**31–2**	**5.5s,5.3b**	**858**	**2-172**
BJI	II	17 03 30 53.8	30.73S	178.66W	24	6.3b,5.6s		**¶11678703**
SZGRF	II	17 03 30 53.4	30.20S	177.41W	33	5.6b,5.6s		
NEIC	II	17 03 30 53.3–.25	30.72S	178.62W	13	6.0W,6.0W		
ISCJB	II	17 03 30 55.5–.13	30.74S–.04	178.80W–.04	31	5.5s,5.3b		
MOS	II	17 03 30 56.0–1.1	30.63S	178.84W	33	5.5b,5.4s		
IDC	II	17 03 30 57.0–3.0	30.55S	178.62W	40–25	5.3,5.3s		

ISC Event type se.
SZGRF Kermadec Islands, New Zealand.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.9km az=145.0. Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s49 Moment tensor: Scale 10^{18}Nm; M_{rr}1.07 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-0.83 $M_{r\theta}$-0.45 $M_{\theta\phi}$0.02 $M_{\phi r}$-0.30 Best double couple: NP1:ϕ_s346.00000°,δ38.00000°,λ64.00000°. NP2: ϕ_s198.00000°,δ57.00000°,λ109.00000°. Principal axes: T 1.2500,Plg71.0000°,Azm153.0000° ; N -0.3700,Plg15.0000°,Azm7.0000°; P -0.8800,Plg9.0000°,Azm274.0000° M_o1.10000×10^{18} Moment Tensor Solution. M_o1.90000×10^{18}
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.5km az=139.8.
MOS Error ellipse: s-maj=11.8km s-min=10.6km az=127.2.
IDC Error ellipse: s-maj=19.1km s-min=12.4km az=172.0.

(366) Turkey

ISC	**II**	**17 05 28 21.6–.34**	**39.13N–.01**	**29.05E–.01**	**15–2**	**4.8b,4.4s**	**1433**	**0-146**
SZGRF	II	17 05 28 17.8	38.60N	29.87E	33	4.7b,4.2s		**¶15956324**
ATH	II	17 05 28 17.7	39.13N	28.99E	5	3.9,4.2s		
IDC	II	17 05 28 18.9–.42	39.14N	29.10E	0	4.6,4.6b		
BJI	II	17 05 28 18.7	39.04N	29.14E	11	5.2b,4.9s		
MOS	II	17 05 28 19.8–1.2	39.24N	29.21E	12	4.9b,4.4s		
ISK	II	17 05 28 19.4	39.11N	29.04E	8	5.0L,4.4s		
DDA	II	17 05 28 19.9	39.15N	29.05E	7	4.8L,4.4s		
NEIC	II	17 05 28 19.0	39.11N	29.04E	7	5.0W,5.0L		
PDG	II	17 05 28 20.5–.77	39.17N	29.11E	11–1	4.6L,5.0L		
ISCJB	II	17 05 28 20.4–.25	39.15N–.01	29.05E–.01	17–2	4.7b,4.5s		
CSEM	II	17 05 28 20.3–.05	39.13N	29.05E	5	5.3W,5.0s		
THE	II	17 05 28 22.3	39.11N	28.97E	6–1	5.1L,5.0s		
BEO	II	17 05 28 22.7–1.6	39.38N	29.02E	1–9	5.2L,5.0s		
TEH	II	17 05 28 23.0	39.17N	29.29E	10	4.9L,5.0s		
DJA	II	17 05 28 30.7–4.1	39N–21	30E–27	50–28	6.0b,5.6		

ISC Event type fe.
SZGRF Turkey.
DDA Event type ke.
NEIC Event type fe. Felt [IV] at Simav and [III] at Usak. Also felt at Balikesir, Bursa, Emet, Gediz, Golcuk, Gonen, Izmir, Kutahya, Mudanya, Tavsanli and Ulubey. After ISK. Moment Tensor Solution. M_o3.60000×10^{16}
PDG Event type ke.
ISCJB Event type fe.
CSEM Event type ke.
THE Event type ke.
BEO Event type ke.

(430) South of Africa

ISC	**II**	**18 00 09 19.0–.29**	**53.05S–.07**	**20.70E–.08**	**10**	**5.1b,4.5s**	**382**	**18-167**
PRE	II	18 00 09 00.5–2.0	54.68S	21.51E	10	5.1b,4.5s		**¶11682573**
IDC	II	18 00 09 17.2–.39	52.97S	20.87E	0	4.8,4.8		
ISCJB	II	18 00 09 17.9–.30	52.86S–.05	20.7E–.10	10	5.0b,4.5s		
BJI	II	18 00 09 17.8	53.00S	21.00E	10	5.6b,5.1s		
MOS	II	18 00 09 18.2–1.1	52.94S	20.83E	10	5.2b,5.1s		
DJA	II	18 00 09 18	53.21S	19.98E	10	5.0b,5.1s		
NEIC	II	18 00 09 18.8–.21	52.96S	20.89E	10	5.1b,5.1s		

ISC Event type se.
PRE Error ellipse: s-maj=77.3km s-min=97.7km az=-1.0.
IDC Error ellipse: s-maj=16.2km s-min=13.8km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.9km az=168.0.
MOS Error ellipse: s-maj=27.2km s-min=12.9km az=84.1.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.5km az=115.0.

(430) South of Africa

ISC	**II**	**18 03 07 50.7–.20**	**53.00S–.04**	**20.82E–.05**	**11**	**5.6s,5.5b**	**917**	**18-174**
BJI	II	18 03 07 48.5	53.33S	21.32E	7	5.9b,5.8s		**¶11682576**
IDC	II	18 03 07 48.5–.34	52.99S	20.95E	0	5.5s,5.5		
ISCJB	II	18 03 07 49.9–.19	52.90S–.03	20.68E–.07	11	5.6s,5.5b		
MOS	II	18 03 07 49.7–1.2	52.98S	20.91E	10	5.5s,5.4b		
NEIC	II	18 03 07 50.3–.12	52.97S	20.91E	10	5.9W,5.6b		
DJA	II	18 03 07 57	52.51S	22.08E	10	5.5b,5.6b		

ISC Event type se.
IDC Error ellipse: s-maj=13.5km s-min=9.9km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.9km az=178.4.
MOS Error ellipse: s-maj=20.1km s-min=8.9km az=88.3.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.9km az=130.0.

(702) Balleny Islands region

ISC	**II**	**18 03 30 35.2–.77**	**61.68S–.05**	**154.91E–.08**	**10–4**	**5.2b,5.1s**	**273**	**8-159**
ISCJB	II	18 03 30 33.6–.32	61.65S–.04	154.7E–.10	10	5.2s,5.1b		**¶11682578**
BJI	II	18 03 30 33.9	61.49S	155.42E	7	5.9b,5.8b		
IDC	II	18 03 30 33.5–.43	61.71S	154.35E	0	5.1,5.0s		
NEIC	II	18 03 30 34.8–.21	61.71S	154.75E	10	5.2b,5.0s		
DJA	II	18 03 30 34	61.53S	156.40E	10	5.4b,5.0s		
MOS	II	18 03 30 38.6–1.7	61.38S	154.75E	33	5.0b,5.0s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.3km az=178.5.
IDC Error ellipse: s-maj=25.1km s-min=12.2km az=70.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.7km az=81.0.
MOS Error ellipse: s-maj=37.7km s-min=10.3km az=96.6.

(177) Kermadec Islands region

ISC	**II**	**18 21 53 45.8–.29**	**27.39S–.03**	**176.24W–.03**	**28–1**	**7.2s,6.7b**	**2225**	**2-172**
IDC	II	18 21 53 41.3–.28	27.34S	176.36W	0	7.1,7.0		**¶14189641**
BJI	II	18 21 53 42.2	26.94S	175.70W	18	7.4b,7.3s		
BGS	II	18 21 53 44.6–1.7	27.15S	176.50W	20	7.3s,7.3s		
ISCJB	II	18 21 53 44.1–.10	27.39S–.03	176.39W–.02	28	7.1s,6.6b		
MOS	II	18 21 53 45.2–.92	27.32S	176.38W	31	7.1s,6.8b		
NEIC	II	18 21 53 45.2–.10	27.42S	176.33W	25	7.5,7.2s		
PDG	II	18 21 54 05.9	27.30S	176.50W	60	7.5,7.2s		
DJA	II	18 21 54 24	27.86S	177.93W	319	6.7W,7.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=10.1km s-min=8.7km az=25.0.
BGS Error ellipse: s-maj=335.1km s-min=762.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.5km az=159.9.
MOS Error ellipse: s-maj=8.8km s-min=6.8km az=78.5. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s277.00000°,δ67.00000°,λ-177.00000°. NP2: ϕ_s186.00000°,δ87.00000°,λ-23.00000°. Principal axes: T Plg14.0000°,Azm234.0000° ; N Plg67.0000°,Azm360.0000°; P Plg18.0000°,Azm139.0000°
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.4km az=150.0. Felt at Wellington, New Zealand. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ85.00000°,λ25.00000°. NP2:ϕ_s278.00000°,δ65.00000°,λ174.00000°. Principal axes: T Plg21.0000°,Azm237.0000°; N Plg0.0000°,Azm0.0000°; P Plg14.0000° ,Azm141.0000° Moment Tensor Solution. s51 Moment tensor: Scale 10^{19}Nm; M_{rr}0.59 $M_{\theta\theta}$-1.96 $M_{\phi\phi}$1.37 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.89 $M_{\phi r}$1.97 Best double couple: NP1:ϕ_s293.00000° ,δ49.00000°,λ164.00000°. NP2:ϕ_s34.00000°,δ78.00000°,λ42.00000°. Principal axes: T 3.0400,Plg37.0000°,Azm262.0000°; N -0.6200,Plg46.0000°,Azm46.0000° ; P -2.4300,Plg18.0000°,Azm157.0000° M_o2.80000×10^{19} Moment Tensor Solution. M_o5.00000×10^{19}
PDG Event type ke.

(536) Sweden

ISC	**II**	**19 00 12 48.7–.48**	**58.79N–.02**	**15.11E–.02**	**0**	**3.9b**	**179**	**0-56**
ISCJB	II	19 00 12 47.7–.25	58.76N–.02	15.31E–.04	0	3.7b		**¶12701188**
PRU	II	19 00 12 49.5	58.79N	15.52E	0	3.7		
UPP	II	19 00 12 50.9	58.81N	15.09E	0	3.7L		
CSEM	II	19 00 12 50.3–.15	58.80N	15.09E	1	6.6s		
HEL	II	19 00 12 51.6–.10	58.82N	15.12E	0	3.7L,3.2L		
IDC	II	19 00 12 52.4–1.3	58.80N	14.92E	13–10	3.9L,3.9		
NAO	II	19 00 12 53.2–2.4	58.89N	15.13E		3.1L,3.9		
BER	II	19 00 12 57.0–3.3	59.01N	15.06E	12–32	3.1L,3.9		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.2km s-min=2.7km az=0.6.
UPP Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=4.8km s-min=3.2km az=112.0. Suspected Mining explosion.
HEL Error ellipse: s-maj=0.9km s-min=0.6km az=-1.0.

IDC Error ellipse: s-maj=9.1km s-min=6.5km az=90.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=18.8km s-min=26.3km az=-1.0.

(110) Peru-Ecuador border region

ISC	**II**	**19 04 27 41.4–.34**	**2.79S–.04**	**77.75W–.07**	**9**	**4.7b,3.9s**	**464**	**1-158**
IGQ	II	19 04 27 38.5	2.74S	78.09W	12–152	4.8b,4.7s		**¶11687972**
IDC	II	19 04 27 39.9–.52	2.87S	77.87W	0	4.4,4.4		
ISCJB	II	19 04 27 40.3–.19	2.80S–.03	77.70W–.04	9	4.5b,4.4s		
NEIC	II	19 04 27 42.1–.26	2.80S	77.70W	10	4.8b,4.8		
BJI	II	19 04 27 44.6	2.30S	77.10W	17	5.7s,5.4b		

ISC Event type fe.
IGQ Error ellipse: s-maj=5.2km s-min=2.1km az=2.6.
IDC Error ellipse: s-maj=23.6km s-min=11.0km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.3km az=156.0.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=5.1km az=60.0. Felt at Macas, Puyo and Sucua, Ecuador.

(272) Seram

ISC	**II**	**19 20 09 14.9–.84**	**3.29S–.06**	**127.49E–.07**	**38**	**3.7b**	**16**	**1-64**
IDC	II	19 20 09 09.7–2.0	3.06S	127.98E	0	3.8,3.6		**¶12701274**
ISCJB	II	19 20 09 11.6–.64	3.35S–.06	127.46E–.06	38	3.6b,2.8s		
DJA	II	19 20 09 11.6–.20	3S–3.0	128E–3.0	76–9	6.5b,6.2		

ISC Event type ke.
ISCJB Event type ke.

(711) Southwestern Kashmir

ISC	**II**	**20 03 48 50.2–.19**	**34.24N–.02**	**73.82E–.02**	**21–2**	**5.4b,5.1s**	**1193**	**1-149**
SZGRF	II	20 03 48 37.4	32.84N	74.82E	33	5.5b,4.8s		**¶13434891**
IDC	II	20 03 48 46.6–.37	34.24N	73.82E	0	5.4L,5.2		
NEIC	II	20 03 48 48.5–.13	34.20N	73.90E	12	5.5b,5.4W		
BGS	II	20 03 48 48.6–1.5	34.24N	73.62E	10	5.2b,5.4W		
NDI	II	20 03 48 48.6–6.2	34.15N	73.46E	10	5.5b,5.4L		
ISCJB	II	20 03 48 48.5–.46	34.28N–.01	73.88E–.02	20–3	5.3b,5.2s		
MOS	II	20 03 48 50.2–.96	34.26N	73.84E	33	5.6b,5.1s		
DJA	II	20 03 48 50	34.14N	73.97E	10	5.6b,5.1s		
TEH	II	20 03 48 51.0	34.25N	73.85E	26	5.4L,5.1s		
NNC	II	20 03 48 52.5–2.5	34.60N	73.23E	0	5.8,5.7b		
LDG	II	20 03 48 52.4–.54	34.37N	73.93E	60	5.3b,4.7s		
BJI	II	20 03 48 53.9	34.37N	74.49E	29	5.7L,5.7b		

ISC Event type de.
SZGRF Southwestern Kashmir.
IDC Error ellipse: s-maj=8.5km s-min=6.8km az=28.0.
NEIC Event type de. Error ellipse: s-maj=4.2km s-min=2.5km az=28.0. At least 44 people injured and landslides in Kashmir. Some buildings damaged at Balgran, Hattian, Islamabad, Jhelum, Jura, Lahore, Malial, Masarm, Muzzaffarabad, Rawalpindi and Uri, Pakistan. Some buildings damaged at Baramulla and Marsar, India. Felt strongly in the Chandigarh-Srinagar area, India. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s120.00000°,δ70.00000°,λ90.00000°. NP2:ϕ_s300.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm30.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm210.0000° Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.51 $M_{\theta\phi}$0.53 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s300.00000° ,δ26.00000°,λ72.00000°. NP2:ϕ_s140.00000°,δ65.00000°,λ99.00000°. Principal axes: T 1.4300,Plg68.0000°,Azm66.0000°; N -0.0300,Plg7.0000°,Azm315.0000° ; P -1.3900,Plg19.0000°,Azm223.0000° $M_0$1.40000×10^{17}
BGS Error ellipse: s-maj=612.2km s-min=804.1km az=-1.0.
NDI Error ellipse: s-maj=26.3km s-min=39.1km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.6km s-min=2.0km az=23.2.
MOS Error ellipse: s-maj=5.2km s-min=3.1km az=122.0.
NNC Error ellipse: s-maj=24.2km s-min=19.1km az=107.0.
LDG Event type ke. Error ellipse: s-maj=23.6km s-min=6.5km az=151.0.

(321) Southern Xinjiang

ISC	**II**	**20 10 02 31.4–.29**	**40.61N–.02**	**78.71E–.02**	**30–1**	**5.4b,4.8s**	**1189**	**2-152**
SZGRF	II	20 10 02 15.0	39.21N	80.15E	33	5.6b,4.8s		**¶13434899**
LDG	II	20 10 02 24.5–.11	40.50N	78.73E	10	5.4b,4.4s		
BGS	II	20 10 02 24.2–1.9	40.32N	79.64E	23–999	5.1b,4.4s		
IDC	II	20 10 02 26.5–.38	40.64N	78.74E	0	5.1,5.1		
ISCJB	II	20 10 02 27.7–.66	40.69N–.02	78.71E–.02	18–4	5.3b,4.8s		
BJI	II	20 10 02 27.6	40.80N	78.60E	13	5.4L,5.2s		
NNC	II	20 10 02 28.6–2.1	40.81N	78.58E	0	5.5b,5.4		
MOS	II	20 10 02 29.6–.93	40.69N	78.74E	33	5.7b,4.9s		
NEIC	II	20 10 02 29.1–1.2	40.66N	78.69E	17–7	5.5b,4.9s		
DJA	II	20 10 02 30	40.64N	78.71E	10	5.3b,4.9s		

ISC Event type de.
SZGRF Southern Xinjiang, China.
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=60.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=11.0km s-min=8.0km az=22.0.
ISCJB Event type de. Error ellipse: s-maj=2.9km s-min=2.2km az=29.2.
NNC Error ellipse: s-maj=21.4km s-min=11.8km az=147.0.
MOS Error ellipse: s-maj=6.2km s-min=3.1km az=132.0.
NEIC Event type de. Error ellipse: s-maj=3.6km s-min=2.3km az=220.0. At least 331 homes destroyed and 5,613 damaged in the Akqi-Kalpin area.

(240) West of Bonin Islands

ISC	**II**	**21 00 12 56.0–.31**	**28.87N–.03**	**130.95E–.03**	**24–1**	**5.6b,5.1s**	**1381**	**1-175**
NIED	II	21 00 12 00	28.90N	130.90E	5	5.3W,5.1s		**¶14189740**
BGS	II	21 00 12 37.7–1.8	25.81N	133.05E	20	5.6s,5.4b		
SZGRF	II	21 00 12 48.9	28.69N	132.69E	36	5.9b,5.3s		
BJI	II	21 00 12 50.6	28.65N	131.14E	24	5.4s,5.4b		
IDC	II	21 00 12 52.2–.39	28.90N	130.94E	0	5.2,5.2		
ISCJB	II	21 00 12 52.9–.69	28.88N–.02	130.88E–.02	10–4	5.4b,5.1s		
TEH	II	21 00 12 53.0	28.87N	130.86E	5	5.6L,5.1s		
JMA	II	21 00 12 55.9–.10	28.88N	130.89E	73–4	5.2,5.1s		
NEIC	II	21 00 12 56.0–.91	28.88N	130.86E	24–6	5.6b,5.5W		
MOS	II	21 00 12 56.1–.97	28.93N	130.95E	33	5.7b,5.1s		
DJA	II	21 00 12 57	28.91N	131.10E	34	5.4W,5.1s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ63.00000°,λ-89.00000°. NP2:ϕ_s15.00000°,δ27.00000°,λ-92.00000°. $M_0$1.15000×10^{17}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF West of Bonin Islands, Japan.
IDC Error ellipse: s-maj=12.2km s-min=11.3km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=164.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=155.0. Recorded [1 JMA] on Akuseki-jima, Amami-oshima, Kikaiga-shima, Nakano-shima, Tanega-shima and Yaku-shima. Also recorded [1 JMA] in Kagoshima, Kyushu. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s201.00000°,δ61.00000°,λ-125.00000°. NP2:ϕ_s76.00000° ,δ44.00000°,λ-45.00000°. Principal axes: T 1.3400,Plg9.0000°,Azm315.0000° ; N -0.2800,Plg29.0000°,Azm220.0000°; P -1.0600,Plg58.0000°,Azm60.0000° $M_0$1.20000×10^{17} Moment Tensor Solution. $M_0$1.20000×10^{17}
MOS Error ellipse: s-maj=6.4km s-min=3.6km az=107.8.

(196) Irian Jaya region

ISC	**II**	**21 13 35 38.5–.30**	**0.39S–.03**	**132.74E–.04**	**55–2**	**5.1b,4.5s**	**403**	**2-159**
BJI	II	21 13 35 30.6	1.11S	133.09E	50	5.4b,5.0b		**¶14189746**
IDC	II	21 13 35 31.0–.42	0.35S	132.69E	0	4.9,4.8		
MOS	II	21 13 35 34.3–.80	0.31S	132.61E	33	5.3b,4.8		
ISCJB	II	21 13 35 35.4–.57	0.34S–.03	132.74E–.03	44–5	5.1b,4.5s		
DJA	II	21 13 35 35	0.38S	132.75E	10	5.3W,4.5s		
NEIC	II	21 13 35 37.2–.99	0.40S	132.67E	45–9	5.5W,5.2b		
TEH	II	21 13 35 38.0	0.46S	132.63E	52	5.4L,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=19.7km s-min=10.2km az=65.0.
MOS Error ellipse: s-maj=14.2km s-min=6.2km az=118.1.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.2km az=135.7.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.3km az=61.0. Felt [III] at Sorong.

(402) North Atlantic Ocean

ISC	**II**	**21 15 40 44.5–.47**	**55.44N–.06**	**35.10W–.04**	**18–1**	**4.7b,4.2s**	**698**	**12-147**
SZGRF	II	21 15 39 37.7	51.25N	46.10W	10	4.8b,4.1s		**¶11713365**
BJI	II	21 15 40 34.9	55.30N	37.00W	10	5.5b,5.2s		
IDC	II	21 15 40 41.4–.43	55.40N	35.09W	0	4.4,4.4		
MOS	II	21 15 40 41.0–1.3	55.36N	35.13W	10	5.0b,4.2s		
CSEM	II	21 15 40 42.8–.12	55.47N	35.04W	8	5.1W,4.8b		
ISCJB	II	21 15 40 42.5–2.6	55.52N–.04	34.99W–.03	15–19	4.6b,4.2s		
NEIC	II	21 15 40 43.6–.27	55.47N	35.12W	10	4.9b,4.2s		

ISC Event type ke.
SZGRF North Atlantic Ocean.
IDC Error ellipse: s-maj=13.6km s-min=9.6km az=1.0.
MOS Error ellipse: s-maj=7.4km s-min=6.0km az=145.3.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.2km az=12.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=2.6km az=6.6.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.1km az=180.0.

(110) Peru-Ecuador border region

ISC	**II**	**21 22 47 27.8–.31**	**2.82S–.03**	**78.15W–.06**	**9**	**5.0b,4.3s**	**708**	**1-164**
IDC	II	21 22 47 25.8–.56	2.74S	78.08W	0	4.7L,4.5		**¶11730851**
IGQ	II	21 22 47 26.3	2.77S	78.14W	12–14	5.2b,5.1s		
ISCJB	II	21 22 47 26.8–.18	2.85S–.02	78.22W–.03	9	4.9b,4.3s		
MOS	II	21 22 47 30.0–1.6	3.08S	78.30W	33	5.2b,4.3s		
BJI	II	21 22 47 31.4	2.70S	77.80W	10	5.6b,5.0		
NEIC	II	21 22 47 33.5–.37	2.70S	78.20W	35	5.5,5.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.9km s-min=11.7km az=52.0.
IGQ Error ellipse: s-maj=4.3km s-min=1.1km az=3.4.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=169.6.
MOS Error ellipse: s-maj=10.8km s-min=6.2km az=111.5.
NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=7.4km az=46.0. Felt at Cuenca, Guarumales, Macas and in Morona-Santiago.

(218) Near east coast of Kamchatka Peninsula

ISC	**II**	**22 01 08 57.2–.31**	**54.37N–.02**	**162.19E–.02**	**33–1**	**5.1b,4.4s**	**1321**	**0-146**
BGS	II	22 01 08 47.9–2.0	52.44N	161.46E	50	5.0b,4.4s		**¶13434958**
IDC	II	22 01 08 53.2–.44	54.56N	162.11E	0	5.0,5.0		
KRSC	II	22 01 08 55.8–.10	54.37N	162.67E	30–29	5.2L,5.0		
BJI	II	22 01 08 56.0	54.84N	161.92E	33	5.0b,4.8s		
ISCJB	II	22 01 08 56.2–.10	54.56N–.02	162.11E–.02	31	5.0b,4.3s		
MOS	II	22 01 08 56.6–.94	54.57N	162.07E	33	5.4b,4.2s		
NEIC	II	22 01 08 59.8–.72	54.56N	162.09E	47–7	4.9b,4.2s		
SZGRF	II	22 01 09 00.6	55.39N	161.36E	33	5.4b,4.2s		

ISC Event type se.
BGS Error ellipse: s-maj=564.2km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=14.3km s-min=9.1km az=158.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=1.7km az=172.5.
MOS Error ellipse: s-maj=7.2km s-min=3.7km az=93.9.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.7km az=168.0.
SZGRF Near east coast of Kamchatka Peninsula, Russia.

(263) Talaud Islands

ISC	**II**	**22 03 52 46.4–.30**	**3.85N–.03**	**126.76E–.04**	**32–1**	**5.1b,4.6s**	**565**	**3-169**
BJI	II	22 03 52 42.4	3.74N	127.07E	17	5.2b,5.0s		**¶13434965**
IDC	II	22 03 52 44.3–1.8	3.82N	126.70E	18–10	4.8,4.8		
ISCJB	II	22 03 52 44.5–.17	3.93N–.02	126.91E–.03	32	5.1b,4.6s		
MOS	II	22 03 52 45.0–1.4	3.89N	126.68E	33	5.3b,4.8s		
NEIC	II	22 03 52 46.6–.16	3.85N	126.73E	35	5.2b,4.8s		
DJA	II	22 03 52 52	3.67N	126.90E	71	5.0W,4.8s		

ISC Event type fe.
IDC Error ellipse: s-maj=18.8km s-min=10.4km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=175.3.
MOS Error ellipse: s-maj=11.1km s-min=5.5km az=114.7.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.1km az=66.0. Felt [II] in the Kepulauan Talaud.

(222) East of Kuril Islands

ISC	**II**	**22 10 33 46.7–.37**	**48.95N–.04**	**158.06E–.03**	**18–1**	**5.2b,4.4s**	**1307**	**2-153**
ISCJB	II	22 10 33 43.4–.81	48.93N–.02	158.08E–.02	6–4	5.1b,4.4s		**¶13434971**
IDC	II	22 10 33 43.7–.39	48.89N	158.08E	0	5.0,5.0		
DJA	II	22 10 33 44	49.29N	158.83E	10	5.2b,5.0		
SKHL	II	22 10 33 46.1–1.8	48.80N	158.26E	56–24	6.0b,5.7		
BJI	II	22 10 33 46.5	48.94N	157.56E	12	5.2b,4.9b		
NEIC	II	22 10 33 46.0–1.7	48.90N	158.05E	13–10	5.3b,4.9b		
MOS	II	22 10 33 48.4–.90	48.98N	158.06E	39	5.3b,4.5s		
KRSC	II	22 10 33 48.6–1.0	49.31N	158.74E	5–5	5.4L,4.5s		
SZGRF	II	22 10 33 54.1	50.08N	156.89E	33	4.9b,4.5s		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.2km az=177.7.
IDC Error ellipse: s-maj=13.7km s-min=8.7km az=150.0.
SKHL Event type fe. Felt (II) at Severo-Kurilsk.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.3km az=163.0.
MOS Event type fe. Error ellipse: s-maj=6.7km s-min=3.7km az=96.2. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se.
SZGRF Kuril Islands, Russia.

(239) Southeast of Ryukyu Islands

ISC	**II**	**22 13 50 15.6–.33**	**24.39N–.03**	**127.05E–.03**	**26–1**	**5.0b,4.2s**	**638**	**2-170**
NIED	II	22 13 50 00	24.40N	127.10E	14	4.8W,4.2s		**¶11713532**
IDC	II	22 13 50 11.3–.37	24.34N	127.15E	0	4.8,4.8		
BJI	II	22 13 50 12.3	24.41N	127.29E	19	4.9b,4.7b		
NEIC	II	22 13 50 13.8–1.8	24.33N	127.10E	15–11	5.1b,4.8W		
DJA	II	22 13 50 14	24.39N	127.09E	10	5.3b,4.8W		
JMA	II	22 13 50 15.0–.30	24.44N	127.06E	64	5.0,4.8W		
MOS	II	22 13 50 15.0–1.2	24.34N	127.11E	33	5.2b,4.6s		
ISCJB	II	22 13 50 16.6–.12	24.36N–.02	126.93E–.02	41	5.0b,4.2s		
SZGRF	II	22 13 50 29.8	26.60N	124.30E	33	5.2b,4.5s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s277.00000°,δ61.00000°,λ-79.00000°. NP2:ϕ_s75.00000°,δ31.00000°,λ-109.00000°. $M_0$1.92000×10^{16}
IDC Error ellipse: s-maj=13.8km s-min=9.4km az=78.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.8km az=107.0. Moment Tensor Solution. $M_0$1.90000×10^{16}
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=8.9km s-min=4.7km az=116.6.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.4km az=165.2.
SZGRF Northeast of Taiwan.

(224) Hokkaido region

ISC	**II**	**22 14 24 11.6–.37**	**41.78N–.03**	**144.09E–.03**	**35–1**	**5.3b,5.1s**	**1314**	**1-152**
NIED	II	22 14 24 00	41.70N	144.20E	23	5.4W,5.1s		**¶13434978**
IDC	II	22 14 24 06.2–.44	41.75N	144.12E	0	5.0,5.0		
DJA	II	22 14 24 08	41.98N	144.26E	10	5.2b,5.0		
MOS	II	22 14 24 09.9–.78	41.72N	144.05E	33	5.6b,5.2s		
ISCJB	II	22 14 24 09.3–.64	41.75N–.02	144.01E–.02	27–4	5.2b,5.1s		
JMA	II	22 14 24 09.9–.20	41.71N	144.22E	34–3	5.4,5.1s		
BJI	II	22 14 24 11.4	41.79N	143.72E	33	5.5b,5.4s		
NEIC	II	22 14 24 11.7–1.2	41.75N	144.02E	33–8	5.4W,5.4W		
BGS	II	22 14 24 16.4–1.9	42.26N	142.33E	33	5.2b,5.4W		
SZGRF	II	22 14 24 16.8	42.41N	144.92E	33	5.5s,5.4b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ88.00000°,λ56.00000°. NP2:ϕ_s96.00000°,δ34.00000°,λ176.00000°. $M_0$1.64000×10^{17}
IDC Error ellipse: s-maj=14.2km s-min=11.1km az=107.0.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=104.4.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=153.7.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=159.0. Recorded [2 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-0.60 $M_{r\theta}$0.13 $M_{\theta\phi}$-0.43 $M_{\phi r}$1.06 Best double couple: NP1:ϕ_s13.00000°,δ72.00000°,λ76.00000°. NP2:ϕ_s231.00000° ,δ23.00000°,λ126.00000°. Principal axes: T 1.3800,Plg60.0000°,Azm262.0000° ; N -0.0400,Plg13.0000°,Azm17.0000°; P -1.3400,Plg25.0000°,Azm113.0000° $M_0$1.40000×10^{17} Moment Tensor Solution. $M_0$1.60000×10^{17}
BGS Error ellipse: s-maj=604.0km s-min=999.9km az=-1.0.
SZGRF Hokkaido, Japan, region.

(263) Talaud Islands

ISC	**II**	**22 17 45 23.1–.24**	**3.69N–.02**	**126.60E–.03**	**40–1**	**5.9b,5.7s**	**2344**	**3-169**
BJI	II	22 17 45 17.3	3.26N	126.69E	34	5.8s,5.8b		**¶11713537**
MOS	II	22 17 45 21.1–1.1	3.73N	126.53E	33	6.2b,5.6s		
NEIC	II	22 17 45 22.4–.12	3.68N	126.56E	32	6.0W,6.0		

IDC	II	22 17 45 22.1–1.6	3.71N	126.56E	30–10	5.6,5.5	
TEH	II	22 17 45 23.0	3.70N	126.59E	38	5.8L,5.5	
ISCJB	II	22 17 45 24.6–.31	3.67N–.01	126.66E–.02	68–2	5.8b,5.5	
DJA	II	22 17 45 27	3.61N	126.72E	72	5.9W,5.5	

ISC Event type fe.
MOS Error ellipse: s-maj=8.5km s-min=4.4km az=115.2.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=69.0. Felt [V] at Melonguanne. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s345.00000°,δ50.00000°,λ55.00000°. NP2:ϕ_s212.00000°,δ51.00000°,λ124.00000°. Principal axes: T Plg64.0000°,Azm188.0000°; N Plg0.0000°,Azm0.0000°; P Plg1.0000° ,Azm279.0000° Moment Tensor Solution. s59 Moment tensor: Scale 10^{17}Nm; M_{rr}5.91 $M_{\theta\theta}$1.77 $M_{\phi\phi}$-7.68 $M_{r\theta}$-2.07 $M_{\theta\phi}$0.24 $M_{\phi r}$1.02 Best double couple: NP1:ϕ_s200.00000° ,δ45.00000°,λ122.00000°. NP2:ϕ_s338.00000°,δ53.00000°,λ62.00000°. Principal axes: T 6.8200,Plg67.0000°,Azm188.0000°; N 0.9500,Plg21.0000°,Azm355.0000° ; P -7.7700,Plg4.0000°,Azm87.0000° M_o7.30000×10^{17}

IDC Error ellipse: s-maj=12.5km s-min=8.0km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=168.5.

(730) Northern East Pacific Rise

ISC	**II**	**23 03 01 44.0–.69**	**7.0N–.10**	**104.5W–.10**	**10**	**4.6b,3.5s**	**398**	**14-146**
ISCJB	II	23 03 01 42.1–.62	6.93N–.07	104.40W–.07	10	4.5b,3.6s		**¶11713575**
IDC	II	23 03 01 42.9–.95	7.18N	104.41W	0	4.4,4.3		
BJI	II	23 03 01 44.0	7.10N	104.30W	10	5.5b,5.3s		
NEIC	II	23 03 01 44.6–.51	7.08N	104.37W	10	4.6b,5.3s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.4km az=41.8.
IDC Error ellipse: s-maj=36.0km s-min=15.7km az=57.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=6.2km az=52.0.

(706) Northern Sumatera

ISC	**II**	**23 05 56 32.0–.19**	**0.51N–.03**	**98.55E–.03**	**40**	**5.7b,5.0s**	**1582**	**1-177**
BJI	II	23 05 56 29.4	0.32N	98.63E	45	5.8b,5.6b		**¶11713581**
MOS	II	23 05 56 30.3–.99	0.62N	98.62E	33	6.0b,4.8s		
NEIC	II	23 05 56 31.7–.11	0.48N	98.55E	35	5.8b,5.4W		
ISCJB	II	23 05 56 31.2–.11	0.57N–.02	98.49E–.02	40	5.7b,5.0s		
TEH	II	23 05 56 31.7	0.49N	98.54E	35	5.4L,5.0s		
IDC	II	23 05 56 31.2–1.5	0.50N	98.65E	32–10	5.9L,5.3		
DJA	II	23 05 56 34	0.56N	98.36E	51	5.3W,5.3		
SZGRF	II	23 05 56 40.0	0.04N	97.39E	38	5.7b,4.4s		

ISC Event type fe.
MOS Error ellipse: s-maj=7.5km s-min=3.9km az=115.4.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=220.0. Felt [III] on Nias. Felt [IV] at Natal and Tarutung, [III] at Sibolga and [II] at Aek godang and Lubuksikaping, Sumatra. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s349.00000°,δ35.00000° ,λ128.00000°. NP2:ϕ_s126.00000°,δ63.00000°,λ67.00000°. Principal axes: T 1.2400,Plg64.0000°,Azm356.0000°; N 0.1200,Plg20.0000°,Azm137.0000° ; P -1.3500,Plg15.0000°,Azm232.0000° M_o1.30000×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=25.5.
IDC Error ellipse: s-maj=11.8km s-min=7.9km az=42.0.
SZGRF Northern Sumatera, Indonesia.

(263) Talaud Islands

ISC	**II**	**23 17 34 01.0–.27**	**3.65N–.03**	**126.62E–.04**	**42–1**	**5.3b,4.8s**	**560**	**1-161**
IDC	II	23 17 33 55.3–.34	3.60N	126.58E	0	4.9,4.9		**¶11714032**
BJI	II	23 17 33 56.3	3.28N	126.78E	39	5.2b,5.1b		
DJA	II	23 17 33 58	3.91N	127.06E	10	5.0W,5.1b		
MOS	II	23 17 33 58.8–.99	3.63N	126.63E	33	5.5b,4.6s		
NEIC	II	23 17 34 00.8–.18	3.66N	126.64E	35	5.4b,5.2W		
ISCJB	II	23 17 34 02.3–.37	3.68N–.02	126.76E–.03	64–3	5.2b,5.2W		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{16}Nm; M_{rr}7.95 $M_{\theta\theta}$0.52 $M_{\phi\phi}$-8.47 $M_{r\theta}$0.76 $M_{\theta\phi}$1.24 $M_{\phi r}$2.48 Best double couple: NP1:ϕ_s0.00000°,δ53.00000° ,λ100.00000°. NP2:ϕ_s164.00000°,δ38.00000°,λ77.00000°. Principal axes: T 8.4300,Plg78.0000°,Azm307.0000°; N 0.5400,Plg7.0000°,Azm174.0000° ; P -8.9700,Plg7.0000°,Azm83.0000° M_o8.70000×10^{16}

ISCJB Event type se.

(406) Central Mid-Atlantic Ridge

ISC	**II**	**24 00 46 40.1–.41**	**0.23S–.07**	**18.37W–.07**	**10**	**4.7b,4.3s**	**362**	**15-147**
ISCJB	II	24 00 46 38.8–.31	0.25S–.05	18.27W–.05	10	4.7b,4.3s		**¶13435027**
MOS	II	24 00 46 38.6–.82	0.23S	18.30W	10	5.0b,4.2s		
IDC	II	24 00 46 38.9–.48	0.17S	18.34W	0	5.3L,4.4		
BJI	II	24 00 46 39.1	0.20S	18.52W	10	5.5b,5.1s		
NEIC	II	24 00 46 40.4–.23	0.26S	18.32W	10	5.0b,5.1s		
IGIL	II	24 00 46 40.5	0.26S	18.47W	10	4.8b,5.1s		
SZGRF	II	24 00 46 41.3	0.95N	19.87W	10	5.4b,4.0s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.9km az=140.4.
MOS Error ellipse: s-maj=13.4km s-min=4.5km az=64.0.
IDC Error ellipse: s-maj=15.7km s-min=10.8km az=139.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.9km az=135.0.
SZGRF Central Mid-Atlantic Ridge.

(429) Mid-Indian Ridge

ISC	**II**	**24 01 26 17.7–.51**	**27.06S–.06**	**75.05E–.07**	**16–2**	**5.2b,4.2s**	**305**	**20-177**
IDC	II	24 01 26 14.9–.44	26.94S	75.19E	0	4.9,4.8		**¶11728561**
ISCJB	II	24 01 26 15.9–.27	27.07S–.05	75.19E–.05	14	5.0b,4.2s		
BJI	II	24 01 26 15.8	27.10S	75.10E	10	5.2s,5.1b		
MOS	II	24 01 26 15.3–1.3	27.04S	75.24E	10	5.4b,5.1b		
NEIC	II	24 01 26 16.6–.24	27.05S	75.14E	10	5.1b,5.1b		

ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=13.6km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=7.0km az=2.7.
MOS Error ellipse: s-maj=12.2km s-min=7.6km az=101.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.4km az=15.0.

(210) South of Mariana Islands

ISC	**II**	**24 05 58 01.5–.29**	**13.84N–.03**	**146.34E–.03**	**18–0**	**5.8s,5.7b**	**1213**	**1-172**
BJI	II	24 05 57 57.9	13.96N	146.56E	9	5.8s,5.8b		**¶13435036**
ISCJB	II	24 05 57 59.2–.81	13.82N–.02	146.29E–.02	10–5	5.7s,5.7b		
DJA	II	24 05 58 00	14.02N	146.50E	10	5.9W,5.7b		
NEIC	II	24 05 58 00.4–.10	13.79N	146.30E	9	5.9W,5.8s		
TEH	II	24 05 58 01.0	13.80N	146.28E	10	6.1L,5.8s		
MOS	II	24 05 58 02.4–1.1	13.84N	146.22E	33	5.8b,5.7s		
IDC	II	24 05 58 05.4–.97	13.77N	146.31E	47–8	5.6,5.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=169.9.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.8km az=160.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ80.00000° ,λ80.00000°. NP2:ϕ_s235.00000°,δ14.00000°,λ135.00000°. Principal axes: T Plg54.0000° ,Azm268.0000°; N Plg0.0000°,Azm0.0000°; P Plg34.0000°,Azm109.0000° Moment Tensor Solution. s55 Moment tensor: Scale 10^{17}Nm; M_{rr}3.18 $M_{\theta\theta}$-1.69 $M_{\phi\phi}$-1.49 $M_{r\theta}$0.58 $M_{\theta\phi}$-1.50 $M_{\phi r}$7.52 Best double couple: NP1:ϕ_s9.00000°,δ80.00000°,λ79.00000°. NP2:ϕ_s238.00000° ,δ15.00000°,λ138.00000°. Principal axes: T 8.7400,Plg53.0000°,Azm266.0000° ; N -1.2900,Plg10.0000°,Azm10.0000°; P -7.4500,Plg34.0000°,Azm108.0000° M_o8.20000×10^{17}

MOS Error ellipse: s-maj=7.4km s-min=4.8km az=108.7.
IDC Error ellipse: s-maj=9.1km s-min=7.1km az=85.0.

(706) Northern Sumatera

ISC	**II**	**24 12 13 14.6–.30**	**1.44N–.03**	**97.14E–.03**	**32–1**	**5.6s,5.5b**	**897**	**2-175**
ISCJB	II	24 12 13 12.8–.69	1.49N–.03	97.15E–.02	27–4	5.6s,5.4b		**¶13435047**
BJI	II	24 12 13 13.5	1.47N	97.28E	36	5.9s,5.9		
NEIC	II	24 12 13 13.6–.16	1.43N	97.17E	23	5.7s,5.6b		
MOS	II	24 12 13 13.5–1.0	1.51N	97.23E	33	5.8b,5.4s		
DJA	II	24 12 13 14	1.56N	97.10E	10	5.2b,5.4s		
IDC	II	24 12 13 15.1–1.9	1.44N	97.20E	37–14	5.3,5.3s		
SZGRF	II	24 12 13 18.5	2.07N	95.41E	33	5.2b,5.2s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.4km az=15.6.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.9km az=203.0. Felt [IV] at Gunungsitoli. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s130.00000°,δ75.00000°,λ90.00000°. NP2:ϕ_s310.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm40.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000° ,Azm220.0000° Moment Tensor Solution. s64 Moment tensor: Scale 10^{17}Nm; M_{rr}2.08 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-1.41 $M_{r\theta}$1.16 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.96 Best double couple: NP1:ϕ_s339.00000° ,δ27.00000°,λ107.00000°. NP2:ϕ_s139.00000°,δ64.00000°,λ81.00000°. Principal axes: T 2.6300,Plg69.0000°,Azm31.0000°; N -0.4600,Plg7.0000°,Azm143.0000° ; P -2.1800,Plg18.0000°,Azm235.0000° M_o2.40000×10^{17}

MOS Error ellipse: s-maj=7.8km s-min=4.1km az=115.6.
IDC Error ellipse: s-maj=13.2km s-min=8.4km az=34.0.
SZGRF Off west coast of northern Sumatera, Indonesia.

(189) Southeast of Loyalty Islands

ISC	**II**	**24 12 39 42.2–.29**	**23.14S–.04**	**170.58E–.04**	**35–1**	**5.6b,5.2s**	**1200**	**4-166**
IDC	II	24 12 39 36.8–.35	23.21S	170.56E	0	5.3,5.3		**¶14189830**
SZGRF	II	24 12 39 37.3	24.56S	171.82E	28	5.3b,5.3		
ISCJB	II	24 12 39 39.2–1.5	23.18S–.03	170.43E–.02	22–10	5.6b,5.2s		
LDG	II	24 12 39 39.1–.13	22.50S	170.73E	10	5.7b,5.5s		
DJA	II	24 12 39 41	23.24S	170.35E	10	5.7b,5.5s		
MOS	II	24 12 39 41.8–1.2	23.07S	170.45E	33	5.7b,5.4s		
NEIC	II	24 12 39 41.8–.11	23.18S	170.56E	32	5.7W,5.6b		
BGS	II	24 12 39 44.3–1.9	21.63S	171.96E	33	5.6b,5.6b		
BJI	II	24 12 39 45.6	22.51S	170.66E	56	6.0b,5.5s		

ISC Event type ke.
IDC Error ellipse: s-maj=13.6km s-min=10.9km az=1.0.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=16.4.
LDG Event type ke. Error ellipse: s-maj=18.5km s-min=4.3km az=2.0.
MOS Error ellipse: s-maj=7.9km s-min=7.9km az=133.7.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.8km az=168.0.
BGS Error ellipse: s-maj=131.2km s-min=999.9km az=-1.0.

(189) Southeast of Loyalty Islands

ISC	**II**	**25 09 19 48.1–.31**	**23.13S–.05**	**170.57E–.05**	**28**	**5.0b,4.6s**	**312**	**4-166**
IDC	II	25 09 19 43.4–.53	23.21S	170.55E	0	4.6,4.6		**¶13435076**
DJA	II	25 09 19 45	23.00S	171.83E	10	5.3b,4.6		
NOU	II	25 09 19 45.1–.56	20.85S	170.45E	10	4.0L,3.6		
ISCJB	II	25 09 19 46.3–.28	23.14S–.05	170.49E–.04	28	4.9b,4.6s		
NEIC	II	25 09 19 48.7–.25	23.15S	170.56E	35	5.1b,4.6s		
MOS	II	25 09 19 50.5–1.8	22.61S	170.11E	33	5.2b,4.6s		
BJI	II	25 09 19 52.5	22.62S	169.72E	35	5.4b,5.2s		

ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=15.4km az=164.0.
NOU Error ellipse: s-maj=35.5km s-min=14.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.1km az=7.8.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.3km az=156.0.
MOS Error ellipse: s-maj=13.0km s-min=10.9km az=30.0.

(435) Southeast Indian Ridge

ISC	**II**	**25 16 08 01.4–.37**	**41.99S–.05**	**88.26E–.06**	**14–1**	**5.2s,5.2b**	**228**	**25-167**
IDC	II	25 16 07 58.8–.52	41.87S	88.66E	0	5.2s,5.2		**¶11729344**
MOS	II	25 16 07 58.5–.97	41.91S	88.68E	10	5.3s,5.3b		
BJI	II	25 16 07 59.0	42.00S	88.60E	10	5.5s,5.3b		
ISCJB	II	25 16 07 59.6–.27	41.91S–.05	88.51E–.07	14	5.2s,5.0b		
NEIC	II	25 16 08 00.1–.25	41.89S	88.63E	10	5.5b,5.5W		
TEH	II	25 16 08 00.0	42.03S	88.61E	10	5.4L,5.5W		
DJA	II	25 16 08 05	41.98S	88.28E	10	5.0b,5.5W		

ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=15.7km az=162.0.
MOS Error ellipse: s-maj=16.7km s-min=10.8km az=86.5.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=7.2km az=9.9.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.5km az=194.0.

(249) Luzon

ISC	**II**	**26 12 32 52.6–.23**	**19.08N–.02**	**121.24E–.03**	**39–2**	**4.8s,4.8b**	**464**	**1-153**
ISCJB	II	26 12 32 49.4–.83	19.10N–.02	121.24E–.03	25–5	4.8s,4.8b		**¶13435108**
MOS	II	26 12 32 50.0–1.0	19.04N	121.29E	33	5.1b,5.0s		
IDC	II	26 12 32 53.0–2.4	19.00N	121.31E	46–23	4.8,4.8s		
NEIC	II	26 12 32 52.4–.54	19.02N	121.27E	38–4	5.0b,4.8s		
MAN	II	26 12 32 53	19.03N	121.16E	22	5.4b,4.7s		
BJI	II	26 12 32 53.2	19.40N	121.03E	29	5.2b,5.0s		
TEH	II	26 12 32 53.0	19.06N	121.19E	35	4.9L,5.0s		
DJA	II	26 12 32 55	19.05N	120.66E	10	4.9b,5.0s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.9km az=4.8.
MOS Error ellipse: s-maj=8.3km s-min=4.8km az=112.0.
IDC Error ellipse: s-maj=13.2km s-min=9.3km az=77.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.7km az=136.0. Felt [II PIVS] at Laoag and Pasuquin, Luzon.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE; LAOAG CITY.

(263) Talaud Islands

ISC	**II**	**28 01 43 32.5–.27**	**3.66N–.03**	**126.67E–.04**	**41–1**	**5.2b,4.7s**	**574**	**3-162**
BJI	II	28 01 43 25.1	3.07N	126.87E	35	5.2b,5.0b		**¶11730724**
IDC	II	28 01 43 26.7–.39	3.64N	126.59E	0	4.9,4.9		
MOS	II	28 01 43 30.1–1.0	3.69N	126.61E	33	5.4b,4.7s		
NEIC	II	28 01 43 32.0–.15	3.67N	126.63E	35	5.2b,4.7s		
ISCJB	II	28 01 43 33.5–.39	3.68N–.02	126.74E–.03	64–3	5.1b,4.7s		
DJA	II	28 01 43 37	3.61N	126.89E	71	5.0W,4.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.9km s-min=9.5km az=73.0.
MOS Error ellipse: s-maj=9.8km s-min=4.8km az=116.1.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.7km az=68.0. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=162.8.

(263) Talaud Islands

ISC	**II**	**28 02 46 56.4–.33**	**3.82N–.03**	**126.75E–.05**	**34–1**	**5.0b,4.0s**	**545**	**3-169**
BJI	II	28 02 46 51.4	3.41N	126.79E	36	5.0b,4.9b		**¶11730726**
IDC	II	28 02 46 51.2–.35	3.86N	126.67E	0	4.9,4.8b		
NEIC	II	28 02 46 52.1–2.6	3.84N	126.68E	7–15	5.0b,4.8b		
ISCJB	II	28 02 46 54.3–.17	3.91N–.02	126.82E–.04	32	5.0b,4.0s		
MOS	II	28 02 46 54.9–1.0	3.84N	126.60E	33	5.2b,4.0s		
DJA	II	28 02 47 02	3.78N	126.91E	89	4.9b,4.0s		

ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=9.8km az=76.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.2km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.9km az=163.0.
MOS Error ellipse: s-maj=11.8km s-min=5.1km az=118.8.

(263) Talaud Islands

ISC	**II**	**28 10 50 22.6–.24**	**3.88N–.02**	**126.58E–.03**	**40–1**	**5.3b,4.6s**	**658**	**1-169**
BJI	II	28 10 50 17.7	3.45N	126.58E	39	5.1b,5.1b		**¶13435193**
MOS	II	28 10 50 20.4–.96	3.88N	126.44E	33	5.5b,4.5s		
IDC	II	28 10 50 21.7–1.8	3.85N	126.46E	32–12	4.8,4.8		
NEIC	II	28 10 50 22.1–.13	3.83N	126.48E	35	5.4b,4.8		
TEH	II	28 10 50 22.0	3.91N	126.69E	35	5.4L,4.8		
ISCJB	II	28 10 50 23.6–.37	3.87N–.02	126.63E–.02	65–3	5.2b,4.8		
DJA	II	28 10 50 27	3.75N	126.74E	71	5.2W,4.8		

ISC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=4.8km az=116.2.
IDC Error ellipse: s-maj=15.0km s-min=8.7km az=72.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.2km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.8km az=161.6.

(153) South Sandwich Islands region

ISC	**II**	**28 14 33 06.4–.16**	**60.57S–.04**	**24.92W–.04**	**15**	**6.1b,6.0s**	**1167**	**18-172**
BJI	II	28 14 33 03.4	60.50S	24.80W	20	6.4s,6.3b		**¶11730856**
IDC	II	28 14 33 04.5–.29	60.60S	24.86W	0	6.1s,6.0		
ISCJB	II	28 14 33 05.2–.16	60.52S–.03	24.83W–.06	15	6.0s,5.9b		
NEIC	II	28 14 33 06.3–.12	60.53S	24.80W	15	6.3W,6.3W		
MOS	II	28 14 33 08.5–1.1	60.56S	24.91W	33	6.1b,6.0s		
DJA	II	28 14 33 12.0–5.4	60S–22	25W–36	43–53	6.5b,6.3		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s200.00000°,δ85.00000°,λ-110.00000°. NP2: ϕ_s97.00000°,δ21.00000°,λ-14.00000°. Principal axes: T Plg37.0000°,Azm308.0000° ; N Plg0.0000°,Azm0.0000°; P Plg46.0000°,Azm89.0000° Moment Tensor Solution. s35 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.02 $M_{\theta\theta}$1.14 $M_{\phi\phi}$0.88 $M_{r\theta}$0.14 $M_{\theta\phi}$1.69 $M_{\phi r}$1.72 Best double couple: NP1:ϕ_s202.00000°,δ64.00000°,λ-118.00000°. NP2:ϕ_s73.00000° ,δ37.00000°,λ-46.00000°. Principal axes: T 3.0500,Plg15.0000°,Azm312.0000°

; N -0.1300,Plg24.0000°,Azm215.0000°; P -2.9200,Plg60.0000°,Azm70.0000° $M_0$3.00000×10^{18}

(177) Kermadec Islands region

ISC	**III**	**01 08 17 37.1–.34**	**27.39S–.05**	**176.17W–.05**	**48–2**	**5.3b,4.6s**	**576**	**2-175**
IDC	III	01 08 17 30.3–.40	27.27S	176.27W	0	5.1,5.1		¶13435257
SZGRF	III	01 08 17 32.7	28.09S	177.23W	31	5.1,5.1		
MOS	III	01 08 17 34.8–.93	27.24S	176.39W	33	5.5b,4.6s		
BJI	III	01 08 17 35.0	26.99S	175.26W	51	5.4b,5.2b		
ISCJB	III	01 08 17 36.8–1.3	27.37S–.05	176.36W–.05	53–11	5.3b,4.6s		
GCMT	III	01 08 17 38.1–.20	27.33S	175.85W	42–1	5.3W,4.6s		
NEIC	III	01 08 17 39.3–.83	27.36S	176.35W	67–7	5.4b,4.6s		
BGS	III	01 08 17 44.7–2.7	27.36S	176.35W	67	5.4b,4.6s		
DJA	III	01 08 17 59.8–5.9	27S–21	177W–23	236–60	5.5b,5.1b		

ISC Event type se.
SZGRF Kermadec Islands region.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c115; s93,c160; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s243.00000°,δ41.00000°,λ157.00000°. NP2:ϕ_s350.00000° ,δ75.00000°,λ51.00000°. Principal axes: T 1.1000,Plg45.0000°,Azm221.0000° ; N -0.0200,Plg37.0000°,Azm2.0000°; P -1.0900,Plg20.0000°,Azm109.0000° $M_0$1.10000×10^{17}

NEIC Event type se.

(688) East of North Island

ISC	**III**	**01 19 11 56.4–.42**	**34.93S–.07**	**179.12W–.07**	**35–4**	**5.1b,4.4s**	**205**	**4-163**
BJI	III	01 19 11 46.8	35.18S	178.30W	13	5.7b,5.5b		¶13435308
ISCJB	III	01 19 11 52.0–2.1	35.07S–.06	179.04W–.09	22–14	5.0b,4.4s		
NEIC	III	01 19 11 54.8–.50	35.04S	178.93W	35	5.0b,4.4s		
IDC	III	01 19 11 57.6–.47	34.72S	179.32W	36–2	4.6,4.5b		
GCMT	III	01 19 11 59.0–.30	34.76S	178.68W	25–1	5.2W,4.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.6km az=32.9.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.6km az=121.0.
IDC Error ellipse: s-maj=17.3km s-min=13.1km az=4.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c68; s78,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}4.13±.19 $M_{\theta\theta}$-0.52±.13; $M_{\phi\phi}$-3.61±.13; $M_{r\theta}$1.30±.27; $M_{\theta\phi}$-1.15±.10; $M_{\phi r}$5.33±.36; Best double couple: NP1:ϕ_s202.00000°,δ18.00000°,λ97.00000°. NP2:ϕ_s15.00000°,δ72.00000°,λ88.00000°. Principal axes: T 6.9000,Plg63.0000° ,Azm281.0000°; N -0.1600,Plg2.0000°,Azm15.0000°; P -6.7500,Plg27.0000°,Azm106.0000° $M_0$6.80000×10^{16}

(268) Sulawesi

ISC	**III**	**02 00 03 41.5–.25**	**1.09S–.03**	**119.88E–.03**	**20–2**	**5.8b,5.1s**	**949**	**0-170**
BJI	III	02 00 03 30.6	2.02S	120.28E	10	5.7b,5.5b		¶15153007
IDC	III	02 00 03 38.1–.30	1.08S	119.88E	0	5.4,5.4b		
NEIC	III	02 00 03 39.7–.16	1.11S	119.87E	11	5.9b,5.6		
AUST	III	02 00 03 40.7–.22	1.16S	119.89E	10–0	5.9b,5.6		
ISCJB	III	02 00 03 41.3–.59	1.10S–.02	119.90E–.02	32–4	5.7b,5.0s		
MOS	III	02 00 03 41.5–1.1	1.03S	119.91E	33	5.8b,4.9s		
GCMT	III	02 00 03 42.2–.10	1.05S	119.99E	13–0	5.6W,4.9s		
DJA	III	02 00 03 44.6–.60	1S–2.0	120E–1.0	23–5	6.0b,5.9		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Palu and [II] at Poso. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.25 $M_{\theta\theta}$0.95 $M_{\phi\phi}$1.30 $M_{r\theta}$0.62 $M_{\theta\phi}$-0.93 $M_{\phi r}$0.12 Best double couple: NP1:ϕ_s152.00000°,δ42.00000°,λ-72.00000°. NP2:ϕ_s308.00000° ,δ50.00000°,λ-106.00000°. Principal axes: T 2.1000,Plg4.0000°,Azm49.0000° ; N 0.3000,Plg12.0000°,Azm318.0000°; P -2.3900,Plg77.0000°,Azm157.0000° $M_0$2.30000×10^{17}

ISCJB Event type fe.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=117, comp=242, per= 50. Moment Tensor Solution. s91,c164; s61,c66; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.47±.04 $M_{\theta\theta}$1.70±.03; $M_{\phi\phi}$0.77±.03; $M_{r\theta}$0.31±.07; $M_{\theta\phi}$-1.56±.02; $M_{\phi r}$-0.32±.08; Best double couple: NP1:ϕ_s125.00000°,δ40.00000°,λ-93.00000°. NP2:ϕ_s309.00000°,δ50.00000°,λ-87.00000°. Principal axes: T 2.9000,Plg5.0000°,Azm37.0000°; N -0.3900,Plg2.0000°,Azm127.0000° ; P -2.5100,Plg85.0000°,Azm241.0000° $M_0$2.70000×10^{17}

(298) Near south coast of Myanmar

ISC	**III**	**02 12 36 38.6–.40**	**15.58N–.04**	**96.02E–.04**	**33–1**	**4.5b,4.2s**	**264**	**4-165**
DJA	III	02 12 36 25.5–3.8	16N–16	94E–42	16–20	5.8b,5.3		¶13435378
ISCJB	III	02 12 36 34.8–1.0	15.66N–.03	95.98E–.03	15–6	4.6b,4.2s		
NEIC	III	02 12 36 35.0–.28	15.64N	95.94E	10	4.6b,4.2s		
BJI	III	02 12 36 35.6	15.37N	95.99E	38	5.0b,4.7s		
MOS	III	02 12 36 36.4–.96	15.60N	96.06E	33	5.0b,4.7s		
IDC	III	02 12 36 38.2–4.7	15.54N	96.06E	33–35	4.7L,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.5km az=19.7.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.0km az=51.0.
MOS Error ellipse: s-maj=10.0km s-min=5.4km az=109.9.
IDC Error ellipse: s-maj=16.7km s-min=12.1km az=49.0.

(192) New Britain region

ISC	**III**	**03 01 19 38.1–.32**	**3.77S–.04**	**151.28E–.05**	**10**	**5.0b,4.7s**	**235**	**7-156**
ISCJB	III	03 01 19 36.7–.22	3.77S–.03	151.32E–.04	10	4.9b,4.7s		¶15850237
IDC	III	03 01 19 36.0–.53	3.86S	151.34E	0	5.2L,4.8		
NEIC	III	03 01 19 38.5–.24	3.76S	151.24E	11	5.3W,5.2b		
MOS	III	03 01 19 39.8–1.1	3.74S	151.26E	33	5.0b,4.6s		
GCMT	III	03 01 19 41.4–.10	3.65S	151.38E	12	5.3W,4.6s		
DJA	III	03 01 19 44.5–1.4	4S–5.0	152E–12	99–8	5.7b,5.3		
BJI	III	03 01 19 46.5	3.47S	151.43E	82	5.3b,5.0s		
AUST	III	03 01 19 46.1	3.76S	151.05E	60	5.3b,5.0s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=7.7.
IDC Error ellipse: s-maj=16.7km s-min=10.5km az=109.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.3km az=101.0. Moment Tensor Solution. s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.44 $M_{\theta\theta}$0.72 $M_{\phi\phi}$-1.15 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.41 $M_{\phi r}$-0.08 Best double couple: NP1:ϕ_s213.00000°,δ85.00000°,λ172.00000°. NP2:ϕ_s303.00000° ,δ82.00000°,λ5.00000°. Principal axes: T 0.8100,Plg8.0000°,Azm167.0000° ; N 0.4300,Plg80.0000°,Azm2.0000°; P -1.2400,Plg2.0000°,Azm258.0000° $M_0$1.10000×10^{17}

MOS Error ellipse: s-maj=10.8km s-min=6.7km az=94.4.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=203, per= 50. Moment Tensor Solution. s79,c124; s26,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15±.02 $M_{\theta\theta}$1.30±.02; $M_{\phi\phi}$-1.16±.02; $M_{r\theta}$0.11±.04; $M_{\theta\phi}$0.43±.02; $M_{\phi r}$-0.14±.05; Best double couple: NP1:ϕ_s36.00000°,δ82.00000°,λ-177.00000°. NP2:ϕ_s305.00000°,δ87.00000°,λ-8.00000°. Principal axes: T 1.3800,Plg3.0000°,Azm351.0000°; N -0.1300,Plg82.0000°,Azm103.0000° ; P -1.2500,Plg8.0000°,Azm260.0000° $M_0$1.30000×10^{17}

(307) Sichuan

ISC	**III**	**03 16 21 49.9–.45**	**31.78N–.03**	**104.97E–.03**	**19–1**	**5.0b,3.9s**	**482**	**1-128**
ISCJB	III	03 16 21 46.5–.86	31.80N–.02	104.97E–.02	8–5	4.9b,3.9s		¶13435482
IDC	III	03 16 21 46.9–.47	31.84N	104.98E	0	4.7,4.6		
TEH	III	03 16 21 48.0	31.77N	104.95E	10	5.0L,4.6		
BJI	III	03 16 21 48.7	31.90N	104.85E	25	4.7s,4.7b		
NEIC	III	03 16 21 48.6–.19	31.80N	104.79E	10	5.1b,4.7b		
DJA	III	03 16 21 50.4–.70	32N–9.0	105E–10	10	5.8b,5.4		
MOS	III	03 16 21 50.0–.76	31.81N	105.07E	33	5.2b,5.4		
SZGRF	III	03 16 21 55.8	31.70N	104.30E	33	5.2b,5.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.4km az=170.0.
IDC Error ellipse: s-maj=13.9km s-min=10.5km az=37.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.9km az=6.0. Felt at Chengdu and Mianyang.
MOS Error ellipse: s-maj=7.8km s-min=3.9km az=122.6.
SZGRF Sichuan, China.

(186) Vanuatu Islands

ISC	**III**	**04 17 06 15.9–.35**	**13.21S–.05**	**167.82E–.05**	**46–2**	**5.1b,4.8s**	**486**	**9-170**
IDC	III	04 17 06 09.1–.54	13.17S	167.85E	0	4.9,4.9		¶11752797
DJA	III	04 17 06 10.2–.80	13S–10	168E–12	10	5.8b,5.4		
ISCJB	III	04 17 06 11.0–2.3	13.15S–.05	167.71E–.03	17–16	5.1b,4.7s		
GCMT	III	04 17 06 12.8–.20	13.24S	167.91E	12	5.1W,4.7s		
MOS	III	04 17 06 12.9–.89	13.10S	167.75E	33	5.4b,4.7s		
NEIC	III	04 17 06 15.2–.80	13.11S	167.77E	40–7	5.3b,4.9s		

ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=13.4km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.8km az=2.2.
GCMT Event type se. Data Used: IU CN II G IC. Moment Tensor Solution. s47,c60; s85,c128; Moment tensor: Scale 10^{16}Nm; M_{rr}5.11±.14 $M_{\theta\theta}$-2.24±.15; $M_{\phi\phi}$-2.86±.14; $M_{r\theta}$0.21±.38; $M_{\theta\phi}$3.81±.12; $M_{\phi r}$0.88±.43; Best double couple: NP1:ϕ_s127.00000°,δ43.00000°,λ75.00000°. NP2:ϕ_s328.00000°,δ48.00000°,λ104.00000°. Principal axes: T 5.2700,Plg79.0000° ,Azm304.0000°; N 1.1300,Plg11.0000°,Azm138.0000°; P -6.4000,Plg3.0000°,Azm48.0000° $M_0$5.80000×10^{16}

MOS Error ellipse: s-maj=9.3km s-min=8.2km az=21.3.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=165.0.

(641) North of Svalbard

ISC	**III**	**05 19 41 41.3–.35**	**80.21N–.03**	**1.40W–.03**	**14–1**	**5.4b,4.9s**	**1433**	**3-158**
IDC	III	05 19 41 38.9–.33	80.28N	1.96W	0	4.8,4.8		¶13435571
BJI	III	05 19 41 38.7	80.30N	1.90W	10	5.5s,5.4b		
MOS	III	05 19 41 38.6–.94	80.21N	1.84W	10	5.5b,4.9s		
ISCJB	III	05 19 41 39.5–.08	80.27N–.02	2.02W–.09	15	5.3b,4.9s		
NEIC	III	05 19 41 40.7–.11	80.28N	1.83W	10	5.5b,5.4W		
BER	III	05 19 41 40.1–2.9	80.28N	1.53W	10	4.9L,4.2L		
GCMT	III	05 19 41 42.1–.10	80.32N	2.31W	17–0	5.5W,4.2L		
CSEM	III	05 19 41 42.1–.06	80.26N	1.92W	22	5.5W,5.4b		
NAO	III	05 19 41 43.5–7.6	80.09N	0.82W	22–96	4.9L,5.4b		
SZGRF	III	05 19 42 03.2	77.65N	0.64E	33	5.2b,4.4s		

ISC Event type ke.
IDC Error ellipse: s-maj=10.7km s-min=7.8km az=33.0.
MOS Error ellipse: s-maj=30.4km s-min=3.7km az=93.8.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=1.5km az=36.9.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=224.0. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}0.44 $M_{\theta\theta}$-1.62 $M_{\phi\phi}$1.18 $M_{r\theta}$-0.30 $M_{\theta\phi}$-0.77 $M_{\phi r}$-0.01 Best double couple: NP1:ϕ_s121.00000°,δ88.00000°,λ-172.00000°. NP2:ϕ_s30.00000° ,δ82.00000°,λ-2.00000°. Principal axes: T 1.3800,Plg4.0000°,Azm255.0000° ; N 0.4800,Plg81.0000°,Azm135.0000°; P -1.8600,Plg7.0000°,Azm345.0000° $M_0$1.70000×10^{17}

BER Error ellipse: s-maj=21.0km s-min=59.2km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 110 sta. Moment Tensor Solution. s70,c116; s99,c216; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.51±.03 $M_{\theta\theta}$-1.30±.03; $M_{\phi\phi}$1.81±.03; $M_{r\theta}$-0.34±.08; $M_{\theta\phi}$-0.84±.03; $M_{\phi r}$-0.59±.08; Best double couple: NP1: ϕ_s122.00000°,δ66.00000°,λ-171.00000°. NP2:ϕ_s28.00000°,δ82.00000°,λ-24.00000°. Principal axes: T 2.1100,Plg11.0000°,Azm77.0000°; N -0.4000,Plg65.0000°,Azm191.0000° ; P -1.7100,Plg23.0000°,Azm343.0000° $M_0$1.90000×10^{17}

CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.0km az=44.0.
NAO Error ellipse: s-maj=0.8km s-min=0.3km az=-1.0.
SZGRF Greenland Sea.

(590) Western Australia

ISC	**III**	**06 01 35 57.6–.33**	**16.27S–.04**	**121.24E–.04**	**10**	**4.8b,3.9s**	**131**	**5-147**
ISCJB	III	06 01 35 54.6–.24	16.26S–.03	121.24E–.04	10	4.7b,3.8s		¶11757254
BJI	III	06 01 35 55.8	16.20S	121.20E	6	5.1s,5.1b		
IDC	III	06 01 35 56.4–.72	16.08S	121.20E	0	4.6,4.6		
NEIC	III	06 01 35 57.7–.26	16.17S	121.30E	10	5.1L,4.7b		
DJA	III	06 01 35 58.5–.30	16S–4.0	121E–3.0	30	6.1,5.6b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Broome.

(263) Talaud Islands

ISC	**III**	**06 06 16 18.3–.37**	**3.86N–.04**	**127.01E–.07**	**36**	**4.5b,3.8s**	**132**	**3-123**
IDC	III	06 06 16 12.5–.53	3.76N	126.55E	0	4.3,4.3		¶15153073
DJA	III	06 06 16 15.6–1.2	4N–10	127E–7.0	10	5.8b,5.3		
ISCJB	III	06 06 16 16.5–.27	3.84N–.03	126.99E–.05	36	4.4b,3.8s		
NEIC	III	06 06 16 17.7–.38	3.85N	126.86E	35	4.5b,3.8s		
BJI	III	06 06 16 19.7	4.29N	126.82E	32	5.2b,4.7b		
MAN	III	06 06 16 31	4.44N	126.13E	85	4.8b,3.7s		
AUST	III	06 06 16 59.0	1.50N	126.50E	300	4.8b,3.7s		

ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=11.7km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.6km az=170.8.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.9km az=62.0.

(169) Samoa Islands region

ISC	**III**	**06 07 01 50.3–.43**	**15.18S–.06**	**173.30W–.05**	**19–1**	**5.4s,5.4b**	**974**	**2-175**
SZGRF	III	06 07 01 46.4	15.90S	173.42W	33	5.4b,5.4b		¶13567796
IDC	III	06 07 01 47.8–.40	15.18S	173.33W	0	5.3s,5.3		
BJI	III	06 07 01 47.2	14.89S	173.12W	5	5.8b,5.5s		
ISCJB	III	06 07 01 48.5–.16	15.28S–.04	173.31W–.03	16	5.3s,5.3b		
NEIC	III	06 07 01 48.0–.16	15.16S	173.31W	3	5.8W,5.8W		
MOS	III	06 07 01 52.8–.98	14.82S	173.16W	33	5.6b,5.3s		
GCMT	III	06 07 01 56.0–.10	15.04S	172.95W	15	5.7W,5.3s		

ISC Event type se.
SZGRF Tonga Islands.
IDC Error ellipse: s-maj=16.9km s-min=11.9km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.8km az=159.2.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.1km az=144.0. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.19 $M_{\theta\theta}$2.53 $M_{\phi\phi}$-1.34 $M_{r\theta}$2.87 $M_{\theta\phi}$1.06 $M_{\phi r}$6.04 Best double couple: NP1:ϕ_s210.00000°,δ86.00000°,λ-108.00000°. NP2:ϕ_s108.00000° ,δ19.00000°,λ-12.00000°. Principal axes: T 6.6900,Plg38.0000°,Azm316.0000° ; N 0.7800,Plg18.0000°,Azm211.0000°; P -7.4800,Plg45.0000°,Azm101.0000° $M_0$7.10000×10^{17}

MOS Error ellipse: s-maj=10.2km s-min=7.6km az=54.2.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=106, comp=219, per= 50. Moment Tensor Solution. s84,c157; s46,c53; Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.04 $M_{\theta\theta}$1.57±.04; $M_{\phi\phi}$-2.70±.04; $M_{r\theta}$1.09±.12; $M_{\theta\phi}$2.42±.03; $M_{\phi r}$3.65±.11; Best double couple: NP1:ϕ_s114.00000°,δ39.00000°,λ13.00000°. NP2:ϕ_s14.00000°,δ82.00000°,λ128.00000°. Principal axes: T 4.8900,Plg41.0000°,Azm319.0000°; N 0.3800,Plg38.0000°,Azm188.0000° ; P -5.2700,Plg27.0000°,Azm75.0000° $M_0$5.10000×10^{17}

(169) Samoa Islands region

ISC	**III**	**06 07 24 06.6–.48**	**15.3S–.10**	**173.29W–.10**	**29**	**4.8s,4.7b**	**412**	**2-149**
IDC	III	06 07 24 02.4–.60	15.11S	173.41W	0	4.6s,4.6		¶11757263
NEIC	III	06 07 24 04.1–.29	15.08S	173.45W	10	4.8b,4.6		
ISCJB	III	06 07 24 05.9–.36	15.17S–.09	173.33W–.06	29	4.7s,4.7b		
BJI	III	06 07 24 06.9	14.30S	173.68W	7	5.5b,5.3s		
MOS	III	06 07 24 06.4–1.4	15.12S	173.41W	33	5.0b,5.3s		
GCMT	III	06 07 24 09.9–.40	15.06S	172.92W	15–2	5.1W,5.3s		

ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=16.6km az=130.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=7.2km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=7.5km az=169.4.
MOS Error ellipse: s-maj=16.4km s-min=11.5km az=55.1.
GCMT Event type se. Data Used: II G IC IU. Moment Tensor Solution. s17,c18; s72,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.25±.17 $M_{\theta\theta}$3.36±.19; $M_{\phi\phi}$-3.11±.17; $M_{r\theta}$1.92±.49; $M_{\theta\phi}$2.29±.16; $M_{\phi r}$3.11±.61; Best double couple: NP1:ϕ_s118.00000°,δ47.00000°,λ-1.00000°. NP2:ϕ_s209.00000°,δ89.00000°,λ-137.00000°. Principal axes: T 5.5700,Plg28.0000° ,Azm335.0000°; N -0.3500,Plg47.0000°,Azm210.0000°; P -5.2100,Plg30.0000° ,Azm82.0000° $M_0$5.40000×10^{16}

(173) Tonga Islands

ISC	**III**	**06 08 21 28.7–.36**	**15.35S–.08**	**173.24W–.07**	**29**	**4.9b,4.9s**	**566**	**2-175**
IDC	III	06 08 21 24.1–.48	15.36S	173.28W	0	4.8s,4.8		¶11757265
NEIC	III	06 08 21 25.8–.20	15.26S	173.35W	10	5.0b,4.8		
ISCJB	III	06 08 21 27.0–.22	15.34S–.07	173.33W–.05	29	4.9b,4.9s		
BJI	III	06 08 21 27.0	15.09S	174.05W	7	5.5b,5.3s		
MOS	III	06 08 21 28.5–1.6	15.24S	173.35W	33	5.2b,5.3s		
GCMT	III	06 08 21 32.6–.10	15.05S	172.95W	14–0	5.3W,5.3s		

ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=14.7km az=132.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=4.8km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.1km az=154.0.
MOS Error ellipse: s-maj=16.8km s-min=11.0km az=54.8.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s70,c113; s95,c189; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s115.00000°,δ49.00000°,λ16.00000°. NP2:ϕ_s14.00000° ,δ78.00000°,λ138.00000°. Principal axes: T 1.2100,Plg38.0000°,Azm325.0000° ; N 0.2600,Plg46.0000°,Azm181.0000°; P -1.4700,Plg19.0000°,Azm70.0000° $M_0$1.30000×10^{17}

(641) North of Svalbard

ISC	**III**	**06 10 50 30.2–.26**	**80.31N–.02**	**1.96W–.02**	**14–1**	**6.4s,6.4b**	**2926**	**3-177**
BJI	III	06 10 50 26.1	80.30N	1.80W	9	7.0s,6.7		¶14269610
BER	III	06 10 50 27.0–3.6	80.59N	1.42W	10	5.9L,5.3L		

ISCJB	III	06 10 50 27.2–.48	80.31N–.01	2.00W–.06	6–2	6.4s,6.3b
MOS	III	06 10 50 27.5–.84	80.27N	2.02W	10	6.7b,6.3s
BGS	III	06 10 50 27.8–1.5	80.41N	2.48W	10	6.2s,6.1b
IDC	III	06 10 50 27.8–.29	80.28N	2.01W	0	6.4s,6.4
NAO	III	06 10 50 28.0–7.5	80.35N	0.90W	6–88	5.9L,6.4
CSEM	III	06 10 50 29.1–.04	80.30N	2.09W	10	6.5W,6.4b
TEH	III	06 10 50 29.0	80.26N	1.80W	10	6.5L,6.4b
PDA	III	06 10 50 29.4	80.32N	1.85W	9	6.5W,6.4b
NEIC	III	06 10 50 29.4–.09	80.32N	1.85W	9	7.2,6.6b
GCMT	III	06 10 50 32.2–.10	80.33N	2.32W	13	6.5W,6.6b
SFS	III	06 10 50 42.0	79.06N	4.29W	0	6.4L,6.6b
SZGRF	III	06 10 50 43.9	79.04N	0.20W	25	6.6b,6.1s
DJA	III	06 10 50 46.2–5.5	80N–11	0E–25	131–43	6.5b,6.3

ISC Event type ke.
ISCJB Event type ke.
CSEM Event type ke.
NEIC Event type se. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ75.00000°,λ-179.00000°. NP2: ϕ_s45.00000°,δ89.00000°,λ-15.00000°. Principal axes: T Plg10.0000°,Azm91.0000° ; N Plg0.0000°,Azm0.0000°; P Plg11.0000°,Azm359.0000° Moment Tensor Solution. s84 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.56 $M_{\theta\theta}$-4.03 $M_{\phi\phi}$4.59 $M_{r\theta}$-1.33 $M_{\theta\phi}$-1.45 $M_{\phi r}$-0.20 Best double couple: NP1:ϕ_s127.00000°,δ78.00000°,λ-167.00000°. NP2:ϕ_s34.00000° ,δ77.00000°,λ-13.00000°. Principal axes: T 4.8300,Plg0.0000°,Azm260.0000° ; N -0.1300,Plg72.0000°,Azm170.0000°; P -4.7000,Plg17.0000°,Azm350.0000° $M_0$4.80000×10^{18}
GCMT Event type se. Data Used: II IU IC G. Mantle waves from 100 sta. Surface waves: sta=118, comp=262, per= 50. Moment Tensor Solution. s112,c250; s99,c207; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.16±.03 $M_{\theta\theta}$-4.63±.03; $M_{\phi\phi}$5.80±.03; $M_{r\theta}$-1.50±.09; $M_{\theta\phi}$-2.32±.03; $M_{\phi r}$-2.06±.10; Best double couple: NP1:ϕ_s124.00000°,δ65.00000°,λ-173.00000°. NP2:ϕ_s31.00000° ,δ83.00000°,λ-26.00000°. Principal axes: T 6.6800,Plg13.0000°,Azm80.0000° ; N -0.7500,Plg64.0000°,Azm197.0000°; P -5.9200,Plg23.0000°,Azm345.0000° $M_0$6.30000×10^{18}
SFS Event type ke.
SZGRF Greenland Sea.

(224) Hokkaido region

ISC	**III**	**07 14 33 04.7–.25**	**41.79N–.03**	**143.71E–.03**	**31–1**	**5.6b,5.2s**	**1510**	**0-162**
DJA	III	07 14 32 57.9–.70	42N–8.0	144E–13	10	5.8b,5.4b		¶15850262
NIED	III	07 14 33 00	41.80N	143.80E	29	5.4W,5.4b		
BJI	III	07 14 33 03.4	41.76N	143.56E	35	5.5b,5.5b		
MOS	III	07 14 33 03.8–.85	41.79N	143.65E	35	6.0b,5.2s		
IDC	III	07 14 33 05.0–.34	41.83N	143.69E	32–2	5.1,5.1		
ISCJB	III	07 14 33 04.1–.26	41.75N–.02	143.64E–.02	37–2	5.5b,5.1s		
NEIC	III	07 14 33 04.9–.12	41.80N	143.69E	33	5.6b,5.4W		
TEH	III	07 14 33 04.0	41.77N	143.73E	28	5.5L,5.4W		
JMA	III	07 14 33 04.7–.10	41.80N	143.82E	39–3	5.4,5.4W		
GCMT	III	07 14 33 07.6–.20	41.64N	144.05E	40–0	5.3W,5.4W		
SZGRF	III	07 14 33 08.2	42.90N	143.18E	34	5.6b,5.4s		
BGS	III	07 14 33 12.2–1.7	42.72N	141.84E	33	5.4b,5.4s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ66.00000°,λ74.00000°. NP2:ϕ_s232.00000°,δ29.00000°,λ121.00000°. $M_0$1.45000×10^{17}
MOS Event type fe. Error ellipse: s-maj=7.0km s-min=3.8km az=109.4. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=9.1km s-min=7.9km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=143.3.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=145.0. Recorded [3 JMA] in southern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu. Moment Tensor Solution. s39 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s19.00000°,δ70.00000°,λ106.00000°. NP2: ϕ_s159.00000°,δ26.00000°,λ54.00000°. Principal axes: T 1.2900,Plg62.0000°,Azm313.0000° ; N 0.0400,Plg14.0000°,Azm192.0000°; P -1.3300,Plg22.0000°,Azm96.0000° $M_0$1.30000×10^{17} Moment Tensor Solution. $M_0$1.50000×10^{17}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s29.00000°,δ88.00000°,λ103.00000°. NP2: ϕ_s126.00000°,δ13.00000°,λ7.00000°. Principal axes: T Plg45.0000°,Azm312.0000° ; N Plg13.0000°,Azm209.0000°; P Plg42.0000°,Azm107.0000°
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 82, comp=152, per= 50. Moment Tensor Solution. s73,c126; s5,c5; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s218.00000°,δ24.00000° ,λ99.00000°. NP2:ϕ_s28.00000°,δ66.00000°,λ86.00000°. Principal axes: T 1.1600,Plg69.0000°,Azm291.0000°; N 0.1600,Plg4.0000°,Azm30.0000° ; P -1.3200,Plg21.0000°,Azm121.0000° $M_0$1.20000×10^{17}
SZGRF Hokkaido, Japan, region.
BGS Error ellipse: s-maj=505.9km s-min=999.9km az=-1.0.

(410) Southern Mid-Atlantic Ridge

ISC	**III**	**09 09 47 18.7–.42**	**16.57S–.09**	**11.04W–.06**	**10**	**5.0b,4.1s**	**197**	**5-146**
ISCJB	III	09 09 47 17.0–.34	16.57S–.06	11.05W–.05	10	4.8b,4.2s		¶11788845
MOS	III	09 09 47 17.2–.77	16.53S	11.04W	10	5.2b,4.2s		
IDC	III	09 09 47 17.2–.58	16.62S	11.09W	0	4.5,4.5		
BJI	III	09 09 47 17.7	17.36S	10.32W	11	5.6b,5.2s		
NEIC	III	09 09 47 18.8–.23	16.60S	11.08W	10	5.2b,5.2s		
GCMT	III	09 09 47 20.2–.30	16.39S	11.15W	13–1	4.9W,5.2s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.6km az=166.8.
MOS Error ellipse: s-maj=13.1km s-min=6.7km az=63.9.
IDC Error ellipse: s-maj=18.4km s-min=13.9km az=156.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=153.0.
GCMT Event type se. Data Used: II IC II G. Moment Tensor Solution. s18,c19; s64,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}2.37±.19 $M_{\theta\theta}$-0.62±.12; $M_{\phi\phi}$-1.74±.12; $M_{r\theta}$-1.50±.44; $M_{\theta\phi}$0.46±.08; $M_{\phi r}$0.16±.29; Best double couple: NP1:ϕ_s173.00000°,δ38.00000°,λ123.00000°. NP2:ϕ_s314.00000°,δ59.00000°,λ67.00000°. Principal axes: T 2.9900,Plg67.0000° ,Azm179.0000°; N -0.9500,Plg19.0000°,Azm326.0000°; P -2.0400,Plg11.0000° ,Azm60.0000° $M_0$2.50000×10^{16}

(173) Tonga Islands

ISC	**III**	**09 19 42 17.7–.49**	**21.89S–.08**	**175.04W–.08**	**16–2**	**5.1b,4.6s**	**261**	**8-171**
IDC	III	09 19 42 15.0–.57	21.86S	175.10W	0	4.7,4.6		¶15153115
BJI	III	09 19 42 16.4	21.59S	174.99W	14	5.5b,5.2s		
ISCJB	III	09 19 42 16.2–.37	21.94S–.07	175.23W–.07	13	4.9b,4.6s		
NEIC	III	09 19 42 20.4–.36	21.90S	175.18W	35	5.0b,4.6s		
GCMT	III	09 19 42 22.3–.20	22.00S	174.40W	26–0	5.3W,4.6s		
MOS	III	09 19 42 24.7–1.6	21.06S	176.08W	33	5.3b,4.5s		
AUST	III	09 19 42 48.9	22.36S	176.48W	200	5.3b,4.5s		

ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=16.7km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=8.2km az=143.5.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.4km az=143.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s56,c103; s85,c151; Moment tensor: Scale 10^{16}Nm; M_{rr}7.43±.22 $M_{\theta\theta}$-0.76±.16; $M_{\phi\phi}$-6.67±.15; $M_{r\theta}$2.39±.34; $M_{\theta\phi}$-4.52±.11; $M_{\phi r}$4.70±.29; Best double couple: NP1:ϕ_s210.00000°,δ29.00000°,λ92.00000°. NP2:ϕ_s27.00000°,δ61.00000°,λ89.00000°. Principal axes: T 9.0000,Plg74.0000° ,Azm295.0000°; N 1.7000,Plg1.0000°,Azm28.0000°; P -10.7000,Plg16.0000°,Azm118.0000° $M_0$9.80000×10^{16}
MOS Error ellipse: s-maj=18.0km s-min=13.8km az=20.8.

(171) South of Fiji Islands

ISC	**III**	**10 04 04 24.5–.29**	**24.60S–.06**	**176.38W–.07**	**43**	**5.2b,5.2s**	**614**	**9-177**
IDC	III	10 04 04 18.3–.43	24.42S	176.31W	0	5.0s,5.0		¶11789686
BJI	III	10 04 04 21.8	24.50S	176.40W	35	5.6b,5.3s		
ISCJB	III	10 04 04 22.9–.17	24.63S–.05	176.40W–.04	43	5.1b,5.1s		
MOS	III	10 04 04 22.4–1.2	24.47S	176.45W	33	5.4b,5.2s		
SZGRF	III	10 04 04 22.3	24.58S	176.27W	33	5.4b,5.2s		
NEIC	III	10 04 04 23.3–.17	24.62S	176.36W	35	5.3b,5.2s		
GCMT	III	10 04 04 25.8–.10	24.56S	175.67W	31–0	5.5W,5.2s		

ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=14.8km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.5km az=161.4.
MOS Error ellipse: s-maj=12.0km s-min=10.8km az=141.5.
SZGRF South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.6km az=148.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 110 sta. Moment Tensor Solution. s98,c174; s99,c196; Moment tensor: Scale 10^{17}Nm; M_{rr}1.99±.04 $M_{\theta\theta}$0.18±.03; $M_{\phi\phi}$-2.16±.03; $M_{r\theta}$0.19±.05; $M_{\theta\phi}$-0.22±.02; $M_{\phi r}$1.34±.04; Best double couple: NP1:ϕ_s184.00000°,δ29.00000°,λ87.00000°. NP2:ϕ_s7.00000°,δ61.00000°,λ92.00000°. Principal axes: T 2.3900,Plg73.0000°,Azm281.0000°; N 0.1900,Plg1.0000°,Azm186.0000° ; P -2.5800,Plg16.0000°,Azm96.0000° $M_0$2.50000×10^{17}

(263) Talaud Islands

ISC	**III**	**10 16 05 13.5–.44**	**4.26N–.05**	**126.86E–.09**	**36**	**4.4b,3.8s**	**89**	**3-123**
IDC	III	10 16 05 07.8–.57	4.15N	126.59E	0	4.3,4.2		¶15153135
ISCJB	III	10 16 05 11.4–.32	4.27N–.04	126.84E–.06	36	4.4b,3.7s		
NEIC	III	10 16 05 12.9–.28	4.13N	126.60E	35	4.8b,3.7s		
BJI	III	10 16 05 15.5	4.00N	126.70E	90	5.1b,4.4b		
DJA	III	10 16 05 16.7–.50	4N–4.0	127E–5.0	10	5.1b,4.8		
MAN	III	10 16 05 59	7.01N	124.70E	54	4.5b,3.3L		
AUST	III	10 16 06 41.3	2.00S	127.50E	450	4.5b,3.3L		

ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=10.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.6km az=160.2.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=5.1km az=64.0.

(197) Near north coast of Irian Jaya

ISC	**III**	**10 17 42 14.8–.27**	**1.93S–.03**	**139.13E–.04**	**21–3**	**5.4b,5.1s**	**566**	**0-171**
BJI	III	10 17 42 09.9	2.02S	139.46E	16	5.7b,5.2b		¶11792109
ISCJB	III	10 17 42 10.9–.84	1.91S–.03	139.17E–.03	7–5	5.4b,5.0s		
IDC	III	10 17 42 11.7–.40	1.89S	139.12E	0	5.1L,5.1b		
NEIC	III	10 17 42 14.4–2.3	1.88S	139.12E	18–14	5.5b,5.5W		
MOS	III	10 17 42 15.0–.97	1.88S	139.11E	33	5.6b,4.7s		
DJA	III	10 17 42 16.8–.70	2S–5.0	139E–4.0	38–5	5.9b,5.6		
GCMT	III	10 17 42 17.5–.10	1.66S	139.19E	12	5.4W,5.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.4km az=39.9.
IDC Error ellipse: s-maj=15.5km s-min=10.0km az=72.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=56.0. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}0.66 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-0.46 $M_{r\theta}$-0.99 $M_{\theta\phi}$-0.41 $M_{\phi r}$1.18 Best double couple: NP1:ϕ_s329.00000°,δ83.00000°,λ78.00000°. NP2:ϕ_s211.00000° ,δ14.00000°,λ151.00000°. Principal axes: T 1.9300,Plg50.0000°,Azm225.0000° ; N -0.6700,Plg12.0000°,Azm330.0000°; P -1.2600,Plg37.0000°,Azm70.0000° $M_0$1.70000×10^{17}
MOS Error ellipse: s-maj=11.0km s-min=5.5km az=114.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 113 sta. Moment Tensor Solution. s85,c136; s99,c224; Moment tensor: Scale 10^{17}Nm; M_{rr}1.25±.02 $M_{\theta\theta}$-0.11±.01; $M_{\phi\phi}$-1.14±.02; $M_{r\theta}$-0.67±.04; $M_{\theta\phi}$0.46±.01; $M_{\phi r}$0.82±.04; Best double couple: NP1: ϕ_s171.00000°,δ27.00000°,λ111.00000°. NP2:ϕ_s328.00000°,δ65.00000°,λ80.00000°. Principal axes: T 1.6600,Plg68.0000°,Azm218.0000°; N 0.0100,Plg9.0000°,Azm332.0000° ; P -1.6700,Plg19.0000°,Azm65.0000° $M_0$1.70000×10^{17}

(197) Near north coast of Irian Jaya

ISC	**III**	**10 17 52 35.9–.31**	**1.90S–.04**	**139.21E–.05**	**29**	**5.0b,4.6s**	**272**	**2-161**
BJI	III	10 17 52 29.7	2.34S	139.11E	14	5.2b,4.9s		¶15153137
AUST	III	10 17 52 31.3–2.2	1.80S	139.38E	0–0	5.2b,4.9s		
IDC	III	10 17 52 31.3–.53	1.91S	139.11E	0	4.8L,4.7		
NEIC	III	10 17 52 31.7–3.6	1.81S	139.16E	2–22	5.1b,4.7		
MOS	III	10 17 52 34.2–1.1	1.89S	139.18E	33	5.1b,4.7		
ISCJB	III	10 17 52 34.0–.24	1.90S–.03	139.21E–.04	29	4.9b,4.7s		
DJA	III	10 17 52 35.6–1.3	2S–7.0	139E–5.0	20–12	5.3,5.2		

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

(197) Near north coast of Irian Jaya

ISC	**III**	**10 18 10 51.4–1.1**	**1.8S–.10**	**139.08E–.07**	**35**	**3.6b**	**10**	**0-79**
DJA	III	10 18 10 42.9–1.5	1S–8.0	139E–7.0	19–13	5.5b,5.0		¶12702895
IDC	III	10 18 10 45.9–2.0	1.86S	139.14E	0	4.1L,3.8		
ISCJB	III	10 18 10 49.6–.83	1.9S–.10	139.0E–.10	33	3.6b,3.8		

ISC Event type ke.
ISCJB Event type se.

(263) Talaud Islands

ISC	**III**	**11 06 37 49.3–.37**	**3.62N–.04**	**126.58E–.05**	**41–2**	**4.7b,4.0s**	**253**	**1-167**
IDC	III	11 06 37 43.2–.40	3.50N	126.40E	0	4.7,4.7		¶13435964
BJI	III	11 06 37 46.6	3.63N	126.56E	37	5.1b,4.8b		
MOS	III	11 06 37 46.2–1.4	3.52N	126.36E	33	5.0b,4.8b		
NEIC	III	11 06 37 48.2–.24	3.58N	126.49E	35	4.7b,4.8b		
ISCJB	III	11 06 37 49.6–.57	3.62N–.03	126.58E–.04	64–5	4.7b,4.8b		
DJA	III	11 06 37 54.5–.70	3N–5.0	127E–3.0	76–6	5.4b,4.9		

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

(197) Near north coast of Irian Jaya

ISC	**III**	**11 09 54 54.1–.59**	**2.01S–.06**	**139.07E–.05**	**29**	**4.3b,3.5s**	**52**	**0-148**
IDC	III	11 09 54 50.0–.78	1.87S	138.97E	0	4.5L,4.4		¶12702962
NEIC	III	11 09 54 51.6–.51	1.89S	138.95E	10	4.6b,4.4		
ISCJB	III	11 09 54 52.3–.46	1.94S–.05	139.06E–.04	29	4.3b,3.5s		
DJA	III	11 09 54 54.0–.60	2S–10	139E–3.0	46–5	5.7b,5.4b		

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

(137) San Juan Province

ISC	**III**	**11 13 06 53.3–.27**	**31.92S–.03**	**69.28W–.03**	**29–1**	**5.5b,4.8s**	**1104**	**1-177**
IDC	III	11 13 06 48.9–.38	31.99S	69.28W	0	5.2,5.2b		¶11799078
ISCJB	III	11 13 06 51.5–1.1	31.82S–.02	69.14W–.03	23–7	5.5b,4.8s		
BJI	III	11 13 06 51.8	31.83S	70.05W	28	5.4b,5.3s		
DJA	III	11 13 06 52.8–1.5	32S–13	69W–8.0	17–10	5.4,5.4b		
GUC	III	11 13 06 52.3–.96	31.89S	69.30W	12–12	5.5L,5.4b		
MOS	III	11 13 06 53.3–.97	31.80S	69.22W	33	5.6b,4.8s		
NEIC	III	11 13 06 53.5–.12	31.89S	69.19W	28	5.5b,5.5L		
GCMT	III	11 13 06 56.5–.20	31.98S	69.29W	37–0	5.3W,5.5L		

ISC Event type fe.
IDC Error ellipse: s-maj=12.2km s-min=11.6km az=14.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.4km az=40.7.
GUC Error ellipse: s-maj=4.4km s-min=12.2km az=-1.0.
MOS Error ellipse: s-maj=12.6km s-min=6.0km az=98.1.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=98.0. Felt [VI] at Barreal, [V] at San Juan and [IV] at Mendoza. Also felt at Cordoba, San Luis, San Martin and San Rafael. Felt [III] at Petorca and [II] at Coquimbo, El Tabo, Illapel, La Serena, Los Andes, Ovalle, Rancagua, San Felipe, Santiago and Valparaiso, Chile. Also felt at Vina del Mar. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}0.84 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-1.12 $M_{r\theta}$-0.29 $M_{\theta\phi}$0.49 $M_{\phi r}$-0.05 Best double couple: NP1:ϕ_s318.00000°,δ52.00000°,λ54.00000°. NP2: ϕ_s188.00000°,δ50.00000°,λ127.00000°. Principal axes: T 0.9900,Plg62.0000°,Azm164.0000° ; N 0.2800,Plg27.0000°,Azm341.0000°; P -1.2700,Plg0.0000°,Azm72.0000° $M_0$1.20000×10^{17}
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s66,c95; s89,c132; Moment tensor: Scale 10^{17}Nm; M_{rr}1.03±.03 $M_{\theta\theta}$0.20±.02; $M_{\phi\phi}$-1.23±.02; $M_{r\theta}$-0.21±.02; $M_{\theta\phi}$0.08±.02; $M_{\phi r}$0.08±.02; Best double couple: NP1:ϕ_s190.00000°,δ44.00000°,λ109.00000°. NP2:ϕ_s344.00000°,δ49.00000°,λ72.00000°. Principal axes: T 1.0800,Plg76.0000° ,Azm186.0000°; N 0.1500,Plg13.0000°,Azm356.0000°; P -1.2400,Plg2.0000°,Azm87.0000° $M_0$1.20000×10^{17}

(77) Off coast of Costa Rica

ISC	**III**	**11 17 24 37.3–.45**	**8.50N–.03**	**83.22W–.03**	**18–1**	**5.8b,5.6s**	**1582**	**0-176**
SZGRF	III	11 17 24 31.1	7.92N	84.67W	26	6.1b,5.9s		¶14269655
IDC	III	11 17 24 34.4–.36	8.62N	83.28W	0	5.6,5.6s		
ISCJB	III	11 17 24 37.0–.15	8.65N–.03	83.19W–.01	23	5.7b,5.6s		
NEIC	III	11 17 24 36.6–.17	8.50N	83.22W	14	5.9W,5.8b		
CASC	III	11 17 24 37.6–3.2	8.76N	83.09W	0–8	5.8b,5.2		
MOS	III	11 17 24 38.3–.88	8.61N	83.19W	33	6.1b,5.5s		
BGS	III	11 17 24 40.8–2.0	9.61N	82.96W	14	5.6s,5.4b		
GCMT	III	11 17 24 42.9–.10	8.55N	83.18W	19–0	5.9W,5.4b		

ISC Event type fe.
SZGRF Off coast of Costa Rica.
IDC Error ellipse: s-maj=11.3km s-min=8.1km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.6km az=21.4.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.4km az=202.0. Felt [VI] at San Vito; [V] at Golfito, Puerto Jimenez and Rio Claro; [IV] at Alajuela, Almirante, Jaco, Sabanilla, San Antonio and San Isidro. Felt in much of Costa Rica and in western Panama. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s115.00000° ,δ75.00000°,λ90.00000°. NP2:ϕ_s295.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm25.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm205.0000° Moment Tensor Solution. s79 Moment tensor: Scale 10^{17}Nm; M_{rr}4.10 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$-1.89

M_{rr}2.20 $M_{\theta\theta}$1.00 $M_{\theta r}$-1.62 Best double couple: NP1:ϕ_s311.00000°,δ26.00000°,λ93.00000°. NP2:ϕ_s128.00000°,δ64.00000°,λ89.00000°. Principal axes: T 5.0300,Plg71.0000° ,Azm34.0000°; N -1.0400,Plg1.0000°,Azm128.0000°; P -3.9800,Plg18.0000°,Azm219.0000° M_o4.60000×10^{17}

CASC Error ellipse: s-maj=10.1km s-min=6.1km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=4.0km az=90.3.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=118, comp=263, per= 50. Moment Tensor Solution. s110,c249; s82,c105; Moment tensor: Scale 10^{17}Nm; M_{rr}6.89±.07 $M_{\theta\theta}$-6.36±.06; $M_{\phi\phi}$-0.53±.06; $M_{r\theta}$5.32±.15; $M_{\theta\phi}$3.08±.04; $M_{\phi r}$-2.65±.15; Best double couple: NP1:ϕ_s291.00000°,δ25.00000°,λ86.00000°. NP2:ϕ_s115.00000°,δ65.00000°,λ92.00000°. Principal axes: T 9.0100,Plg70.0000°,Azm30.0000°; N 0.7900,Plg2.0000°,Azm295.0000° ; P -9.8000,Plg20.0000°,Azm204.0000° M_o9.40000×10^{17}

(78) Costa Rica

ISC	**III**	**11 21 03 59.0–.52**	**8.49N–.03**	**83.25W–.02**	**15–2**	**5.7b,5.6s**	**1600**	**0-176**
IDC	III	11 21 03 56.2–.35	8.66N	83.05W	0	5.5,5.5		**¶14260549**
BJI	III	11 21 03 57.1	8.50N	83.20W	10	6.2s,5.9b		
ISCJB	III	11 21 03 58.2–.14	8.60N–.02	83.22W–.01	18	5.6s,5.6b		
NEIC	III	11 21 03 59.0–.16	8.49N	83.21W	17	5.8W,5.7b		
CASC	III	11 21 03 59.3–3.5	8.59N	83.18W	4–8	5.7b,4.9L		
MOS	III	11 21 04 00.7–.91	8.67N	83.17W	33	5.9b,5.7s		
GCMT	III	11 21 04 04.0–.10	8.52N	83.22W	22–0	5.9W,5.7s		
SZGRF	III	11 21 04 04.1	8.77N	82.00W	20	6.0s,5.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=8.9km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=1.7km az=22.5.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.5km az=203.0. Felt [IV] at Golfito, Quepos and San Vito; [III] at Cartago, Escazu, Heredia, Palmar, Puerto Cortes, San Francisco, San Jose, and Santa Ana; [II] at Alajuela, Atenas, Jaco, San Pedro, San Rafael and San Ramon. Also felt at Angeles, Asuncion, Buenos Aires, Cahuita, Calle Blancos, Colima, Curridabat, Grecia, Mercedes, Orosi, Palmares, Paraiso, Quesada, San Antonio, San Isidro, Santo Domingo and Turrialba. Felt [III] at Almirante and David; [II] at Bocas del Toro, Boquete and Volcan, Panama. Also felt at Ancon, Cerro Punta, Changuinola, Chiriqui, Panama, Potrerillos Abajo, Potrerillos Arriba, Puerto Armuelles, Rio Hato and San Carlos. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s305.00000°,δ60.00000° ,λ90.00000°. NP2:ϕ_s125.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000° ,Azm215.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm35.0000° Moment Tensor Solution. s90 Moment tensor: Scale 10^{17}Nm; M_{rr}3.93 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$-2.60 $M_{r\theta}$-1.75 $M_{\theta\phi}$1.87 $M_{\phi r}$1.00 Best double couple: NP1:ϕ_s314.00000°,δ58.00000°,λ79.00000°. NP2:ϕ_s155.00000° ,δ33.00000°,λ108.00000°. Principal axes: T 4.4900,Plg73.0000°,Azm193.0000° ; N -0.1300,Plg9.0000°,Azm319.0000°; P -4.3500,Plg12.0000°,Azm51.0000° M_o4.40000×10^{17}

CASC Error ellipse: s-maj=11.9km s-min=4.2km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=92.5.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=239, per= 50. Moment Tensor Solution. s108,c232; s79,c100; Moment tensor: Scale 10^{17}Nm; M_{rr}7.18±.07 $M_{\theta\theta}$-3.81±.06; $M_{\phi\phi}$-3.37±.07; $M_{r\theta}$-2.26±.11; $M_{\theta\phi}$4.24±.05; $M_{\phi r}$-0.91±.12; Best double couple: NP1:ϕ_s150.00000°,δ44.00000°,λ115.00000°. NP2:ϕ_s297.00000°,δ51.00000°,λ68.00000°. Principal axes: T 7.9200,Plg73.0000°,Azm145.0000°; N -0.0200,Plg17.0000°,Azm311.0000° ; P -7.9100,Plg4.0000°,Azm42.0000° M_o7.90000×10^{17}

SZGRF Panama-Costa Rica border region.

(90) Puerto Rico region

ISC	**III**	**12 02 05 36.1–.24**	**19.08N–.03**	**66.45W–.03**	**28**	**5.0b,4.4s**	**1063**	**1-168**
LDG	III	12 02 05 29.0–.26	19.13N	66.77W	10	5.0b,4.1s		**¶11813806**
ISCJB	III	12 02 05 34.7–.09	19.12N–.02	66.42W–.01	28	5.0b,4.4s		
IDC	III	12 02 05 34.8–2.9	19.05N	66.41W	19–18	4.9,4.9		
MOS	III	12 02 05 35.4–1.1	19.14N	66.40W	33	5.2b,4.5s		
BJI	III	12 02 05 36.9	19.10N	66.40W	18	5.8b,5.3s		
RSPR	III	12 02 05 38.5	19.07N	66.37W	15–31	5.0,5.3s		
NEIC	III	12 02 05 38.5	19.07N	66.37W	15	5.1b,5.0		
SZGRF	III	12 02 05 40.8	18.99N	65.51W	33	5.2b,4.5s		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=12.2km s-min=5.4km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=32.2.
IDC Error ellipse: s-maj=10.7km s-min=8.7km az=70.0.
MOS Error ellipse: s-maj=5.2km s-min=4.3km az=75.5.
RSPR Event type ke.
NEIC Event type fe. Felt [IV] at Canovanas, Florida, Gurabo, Juncos, Las Piedras, Mayaguez, Morovis, Toa Alta and Vega Alta; [III] at Aguas Buenas, Arecibo, Barceloneta, Bayamon, Caguas, Carolina, Cayey, Dorado, Hatillo, Humacao, Manati, Rio Grande, San Juan and Trujillo Alto; [II] at Cabo Rojo, Guaynabo, Luquillo, Naranjito, Ponce, Toa Baja and Vega Baja. Felt in most of Puerto Rico. After RSPR.
SZGRF Puerto Rico region.

(153) South Sandwich Islands region

ISC	**III**	**12 05 18 08.8–.30**	**60.81S–.07**	**23.92W–.06**	**10**	**5.0s,4.8b**	**168**	**9-162**
ISCJB	III	12 05 18 06.8–.32	60.79S–.06	23.8W–.10	10	5.0s,4.8b		**¶11813815**
IDC	III	12 05 18 06.9–.43	60.80S	23.91W	0	4.9s,4.9		
NEIC	III	12 05 18 08.3–.25	60.86S	23.81W	10	5.2b,4.9		
MOS	III	12 05 18 10.8–1.2	60.83S	24.00W	33	5.4b,4.9		
BJI	III	12 05 18 10.5	60.80S	23.90W	10	5.5b,5.2s		
GCMT	III	12 05 18 13.5–.10	61.15S	23.54W	15–0	5.5W,5.2s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=8.2km az=31.4.
IDC Error ellipse: s-maj=16.2km s-min=13.6km az=17.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.7km az=216.0.
MOS Error ellipse: s-maj=28.4km s-min=14.1km az=97.1.
GCMT Event type se. Data Used: II IC G IU CN. Surface waves from 112 sta. Moment Tensor Solution. s77,c140; s99,c210; Moment tensor: Scale 10^{17}Nm; M_{rr}0.02±.02 $M_{\theta\theta}$-0.31±.03; $M_{\phi\phi}$0.29±.02; $M_{r\theta}$0.26±.05; $M_{\theta\phi}$1.94±.03; $M_{\phi r}$-0.01±.04; Best double couple: NP1: ϕ_s356.00000°,δ83.00000°,λ-179.00000°. NP2:ϕ_s265.00000°,δ89.00000°,λ-7.00000°. Principal axes: T 1.9700,Plg5.0000°,Azm311.0000°; N 0.0300,Plg82.0000°,Azm80.0000° ; P -1.9900,Plg6.0000°,Azm220.0000° M_o2.00000×10^{17}

(307) Sichuan

ISC	**III**	**12 08 25 39.5–.39**	**32.35N–.02**	**105.08E–.03**	**18–1**	**5.2b,3.8s**	**860**	**2-171**
SZGRF	III	12 08 25 34.3	31.55N	105.22E	33	5.4b,3.8s		**¶15850288**
ISCJB	III	12 08 25 36.6–.10	32.40N–.02	105.05E–.02	9	5.1b,3.9s		
BJI	III	12 08 25 37.8	32.42N	105.04E	16	4.9L,4.9b		
NEIC	III	12 08 25 38.0–.11	32.39N	105.10E	10	5.3b,4.9b		
MOS	III	12 08 25 39.6–.76	32.37N	105.13E	33	5.4b,4.9b		
IDC	III	12 08 25 40.9–4.2	32.39N	105.16E	29–29	4.8b,4.8		
DJA	III	12 08 25 43.7–1.2	32N–5.0	105E–8.0	49–13	5.5b,5.1		

ISC Event type fe.
SZGRF Sichuan, China.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Chengdu. Also felt at Guangyuan, Mianyang and Qincheng.

(705) Off west coast of northern Sumatera

ISC	**III**	**12 10 05 09.4–.32**	**4.68N–.04**	**94.99E–.04**	**42–1**	**5.0b,4.3s**	**677**	**1-172**
BJI	III	12 10 05 00.9	4.05N	94.90E	30	5.0b,5.0b		**¶15153170**
AUST	III	12 10 05 03.2	4.40N	94.46E	15	5.0b,5.0b		
MOS	III	12 10 05 06.7–1.0	4.78N	95.20E	33	5.4b,4.3s		
SZGRF	III	12 10 05 08.9	4.27N	95.20E	51	5.1b,4.3s		
NEIC	III	12 10 05 08.6–.17	4.67N	95.05E	35	5.2b,4.3s		
ISCJB	III	12 10 05 09.2–.64	4.70N–.03	95.12E–.03	55–6	5.0b,4.2s		
IDC	III	12 10 05 10.5–.50	4.81N	95.11E	48–3	4.5,4.5		
DJA	III	12 10 05 10.9–.90	5N–4.0	95E–9.0	44–5	5.6b,5.1		
GCMT	III	12 10 05 11.3–.30	4.43N	95.03E	48–1	5.0W,5.1		

ISC Event type fe.
MOS Error ellipse: s-maj=9.7km s-min=4.7km az=116.0.
SZGRF Northern Sumatera, Indonesia.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.9km az=33.0. Felt at Banda Aceh.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=42.5.
IDC Error ellipse: s-maj=15.2km s-min=8.5km az=40.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s43,c58; s66,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}3.02±.20 $M_{\theta\theta}$-2.47±.14; $M_{\phi\phi}$-0.56±.18; $M_{r\theta}$2.06±.12; $M_{\theta\phi}$1.64±.13; $M_{\phi r}$-1.39±.13; Best double couple: NP1:ϕ_s297.00000°,δ26.00000°,λ85.00000°. NP2:ϕ_s123.00000°,δ64.00000°,λ93.00000°. Principal axes: T 3.8700,Plg71.0000° ,Azm38.0000°; N 0.3800,Plg2.0000°,Azm301.0000°; P -4.2600,Plg19.0000°,Azm211.0000° M_o4.10000×10^{16}

(430) South of Africa

ISC	**III**	**12 11 47 46.7–1.5**	**52.96S–.05**	**27.20E–.06**	**14–8**	**5.4b,4.8s**	**787**	**17-175**
ISCJB	III	12 11 47 45.0–.18	52.93S–.03	27.32E–.08	10	5.3b,4.8s		**¶11845843**
NEIC	III	12 11 47 45.9–.14	52.93S	27.20E	10	5.5b,4.8s		
MOS	III	12 11 47 45.3–1.3	52.97S	27.39E	10	5.4b,4.7s		
IDC	III	12 11 47 46.2–3.3	52.99S	27.22E	12–20	5.2,5.2		
GCMT	III	12 11 47 47.6–.20	52.88S	27.45E	12	5.2W,5.2		
DJA	III	12 11 47 57.5–3.7	53S–5.0	27E–17	113–42	5.4b,5.4b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s56,c88; s90,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}-8.16±.15 $M_{\theta\theta}$7.62±.14; $M_{\phi\phi}$0.54±.16; $M_{r\theta}$1.32±.40; $M_{\theta\phi}$-2.96±.13; $M_{\phi r}$-0.20±.41; Best double couple: NP1:ϕ_s112.00000°,δ41.00000°,λ-87.00000°. NP2:ϕ_s288.00000°,δ49.00000°,λ-93.00000°. Principal axes: T 8.8000,Plg4.0000° ,Azm20.0000°; N -0.5200,Plg2.0000°,Azm290.0000°; P -8.2700,Plg85.0000°,Azm176.0000° M_o8.50000×10^{16}

(193) Bougainville - Solomon Islands region

ISC	**III**	**12 15 13 23.8–.40**	**9.84S–.04**	**159.95E–.06**	**33–1**	**5.1b,4.1s**	**428**	**0-165**
IDC	III	12 15 13 18.8–.56	9.81S	159.87E	0	5.0,5.0		**¶11876102**
ISCJB	III	12 15 13 20.7–1.7	9.79S–.04	159.77E–.03	17–11	5.0b,4.1s		
GCMT	III	12 15 13 22.7–.40	10.23S	160.07E	29–1	5.0W,4.1s		
BJI	III	12 15 13 22.4	9.63S	159.99E	30	5.2b,5.1s		
MOS	III	12 15 13 23.7–1.4	9.66S	159.59E	33	5.3b,5.1s		
NEIC	III	12 15 13 24.2–.22	9.81S	159.82E	35	5.0b,5.1s		
DJA	III	12 15 13 40.5–3.6	10S–9.0	160E–26	160–19	5.5b,4.9		

ISC Event type fe.
ISCJB Event type fe.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s31,c34; s64,c73; Moment tensor: Scale 10^{16}Nm; M_{rr}3.05±.21 $M_{\theta\theta}$-2.09±.15; $M_{\phi\phi}$-0.96±.16; $M_{r\theta}$1.90±.20; $M_{\theta\phi}$1.69±.09; $M_{\phi r}$0.19±.20; Best double couple: NP1:ϕ_s324.00000°,δ36.00000°,λ122.00000°. NP2:ϕ_s107.00000°,δ60.00000°,λ69.00000°. Principal axes: T 3.7900,Plg68.0000° ,Azm335.0000°; N -0.1500,Plg18.0000°,Azm117.0000°; P -3.6300,Plg13.0000° ,Azm211.0000° M_o3.70000×10^{16}

NEIC Event type fe. Felt at Honiara.

(76) Off coast of central America

ISC	**III**	**12 23 23 34.4–.61**	**5.52N–.03**	**82.72W–.04**	**11–3**	**6.0b,5.9s**	**1653**	**3-173**
BGS	III	12 23 23 21.4–2.3	4.01N	84.82W	10	5.9s,5.5b		**¶11876229**
IDC	III	12 23 23 30.2–.39	5.51N	82.37W	0	5.8,5.8s		
BJI	III	12 23 23 34.5	5.90N	82.80W	10	6.3s,6.2b		
CASC	III	12 23 23 34.5–3.6	5.59N	82.63W	21–41	6.1b,5.4		
NEIC	III	12 23 23 34.8–.24	5.69N	82.77W	9	6.8,6.2W		
MOS	III	12 23 23 34.9–1.4	5.90N	82.84W	10	6.2b,5.9s		
ISCJB	III	12 23 23 35.3–.16	5.80N–.02	82.61W–.02	10	5.9s,5.8b		
GCMT	III	12 23 23 40.3–.10	5.51N	82.60W	23–0	6.3W,5.8b		
SZGRF	III	12 23 23 45.4	6.22N	81.77W	33	6.0s,5.9b		

ISC Event type fe.
BGS Error ellipse: s-maj=910.5km s-min=745.3km az=-1.0.
IDC Error ellipse: s-maj=17.8km s-min=8.0km az=67.0.
CASC Error ellipse: s-maj=22.9km s-min=9.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=20.0. Felt [III] at Boquete. Also felt at Bocas del Toro, David, Panama, Potrerillos Arriba and Santiago. Felt [II] at San Jose, Costa Rica. Also felt at Alajuela, Cartago, Colon, Escazu, Golfito, Ipis, Quepos, Sabanilla, San Francisco, San Pablo, San Rafael, Santa Ana, Santo Domingo and Turrialba. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s15.00000°,δ80.00000°,λ-175.00000°. NP2:ϕ_s284.00000°,δ85.00000°,λ-10.00000°. Principal axes: T Plg4.0000°,Azm330.0000°; N Plg0.0000°,Azm0.0000°; P Plg11.0000° ,Azm239.0000° Moment Tensor Solution. s109 Moment tensor: Scale 10^{18}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.17 $M_{r\theta}$0.06 $M_{\theta\phi}$2.46 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s89.00000° ,δ78.00000°,λ5.00000°. NP2:ϕ_s358.00000°,δ85.00000°,λ168.00000°. Principal axes: T 2.2700,Plg12.0000°,Azm313.0000°; N 0.4800,Plg76.0000°,Azm154.0000° ; P -2.7600,Plg4.0000°,Azm44.0000° M_o2.50000×10^{18}

MOS Error ellipse: s-maj=6.3km s-min=4.3km az=87.7.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.9km az=22.5.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=123, comp=290, per= 50. Moment Tensor Solution. s108,c250; s99,c173; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13±.02 $M_{\theta\theta}$0.27±.02; $M_{\phi\phi}$-0.14±.02; $M_{r\theta}$0.31±.04; $M_{\theta\phi}$3.43±.02; $M_{\phi r}$0.01±.04; Best double couple: NP1:ϕ_s2.00000°,δ85.00000°,λ180.00000°. NP2:ϕ_s92.00000°,δ90.00000°,λ5.00000°. Principal axes: T 3.5200,Plg4.0000°,Azm317.0000°; N -0.1300,Plg85.0000°,Azm93.0000° ; P -3.3800,Plg4.0000°,Azm227.0000° M_o3.50000×10^{18}

SZGRF South of Panama.

(177) Kermadec Islands region

ISC	**III**	**13 02 30 57.4–.47**	**29.12S–.06**	**177.20W–.06**	**54–3**	**4.8b,4.3s**	**330**	**1-168**
IDC	III	13 02 30 52.9–3.0	28.90S	177.29W	17–17	4.7,4.7		**¶11876233**
MOS	III	13 02 30 54.2–1.5	28.93S	177.27W	33	5.1b,4.7		
BJI	III	13 02 30 55.9	29.21S	176.81W	61	5.6b,5.3s		
ISCJB	III	13 02 30 57.8–.76	29.12S–.06	177.43W–.06	66–6	4.7b,5.3s		
NEIC	III	13 02 30 57.1–.88	29.07S	177.38W	51–7	4.9b,5.3s		

ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=15.2km az=5.0.
MOS Error ellipse: s-maj=12.5km s-min=9.9km az=142.7.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.5km az=137.6.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.2km az=143.0.

(171) South of Fiji Islands

ISC	**III**	**13 03 32 31.4–.38**	**26.84S–.06**	**176.25W–.08**	**31**	**4.8b,4.6s**	**173**	**3-166**
IDC	III	13 03 32 26.2–.49	26.82S	176.36W	0	4.6,4.6		**¶13436137**
MOS	III	13 03 32 30.7–1.2	26.81S	176.50W	33	5.0b,4.6		
ISCJB	III	13 03 32 30.2–.29	26.87S–.06	176.44W–.07	31	4.8b,4.6s		
GCMT	III	13 03 32 31.0–.30	26.82S	175.93W	28–1	5.2W,4.6s		
BJI	III	13 03 32 31.9	26.82S	176.07W	50	5.7b,5.3s		
NEIC	III	13 03 32 33.6–1.2	26.90S	176.44W	51–10	4.9b,5.3s		

ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=16.0km az=163.0.
MOS Error ellipse: s-maj=12.6km s-min=11.4km az=103.3.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=8.0km az=139.2.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s42,c51; s70,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}5.17±.30 $M_{\theta\theta}$-0.90±.22; $M_{\phi\phi}$-4.27±.22; $M_{r\theta}$3.17±.37; $M_{\theta\phi}$-2.44±.13; $M_{\phi r}$2.30±.31; Best double couple: NP1:ϕ_s193.00000°,δ30.00000°,λ63.00000°. NP2:ϕ_s43.00000°,δ63.00000°,λ105.00000°. Principal axes: T 6.6600,Plg68.0000° ,Azm342.0000°; N -0.0300,Plg13.0000°,Azm216.0000°; P -6.6300,Plg17.0000° ,Azm122.0000° M_o6.70000×10^{16}

NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.4km az=145.0.

(221) Kuril Islands

ISC	**III**	**13 07 18 12.0–.39**	**45.45N–.05**	**150.99E–.04**	**58–2**	**5.0b,4.3s**	**1064**	**2-153**
NIED	III	13 07 18 00	45.50N	151.20E	35	4.7W,4.3s		**¶13436156**
DJA	III	13 07 18 05.4–1.2	46N–12	152E–23	10	5.5b,5.1		
JMA	III	13 07 18 08.3–.90	45.52N	151.15E	30	5.5,5.1		
BJI	III	13 07 18 09.5	45.60N	151.09E	60	5.1b,5.0b		
ISCJB	III	13 07 18 09.3–.41	45.45N–.03	150.94E–.02	46–3	4.9b,4.3s		
MOS	III	13 07 18 09.7–.79	45.54N	150.95E	47	5.3b,4.2s		
SKHL	III	13 07 18 09.4–.50	45.21N	151.07E	39–4	5.5b,4.3s		
IDC	III	13 07 18 10.5–2.2	45.58N	150.96E	41–19	4.6,4.6		
NEIC	III	13 07 18 11.8–.50	45.53N	150.90E	53–4	5.0b,4.6		
BGS	III	13 07 18 17.0–1.9	46.44N	151.06E	60	4.9b,4.6		
SZGRF	III	13 07 18 23.6	47.94N	149.38E	33	5.1b,4.6		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ60.00000°,λ70.00000°. NP2: ϕ_s225.00000°,δ35.00000°,λ120.00000°. M_o1.43000×10^{16}

JMA Error ellipse: s-maj=6.7km s-min=8.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.3km az=169.1.
MOS Error ellipse: s-maj=7.1km s-min=4.6km az=106.9.
IDC Error ellipse: s-maj=12.1km s-min=9.5km az=145.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.8km az=157.0.
BGS Error ellipse: s-maj=625.8km s-min=999.9km az=-1.0.
SZGRF Northwest of Kuril Islands, Russia.

(584) South Africa

ISC	**III**	**13 07 51 29.7–.79**	**26.91S–.03**	**26.81E–.03**	**6–4**	**4.2b**	**100**	**0-149**
ISCJB	III	13 07 51 29.1–.40	26.98S–.03	26.81E–.03	9–2	4.0b		**¶12703148**
PRE	III	13 07 51 29.0–3.4	26.94S	26.85E	2	4.0L		
IDC	III	13 07 51 29.9–.65	26.93S	26.71E	0	4.4L,4.2		
DJA	III	13 07 51 29.4–.50	27S–3.0	27E–6.0	10	5.7b,5.2		
NEIC	III	13 07 51 29.7	26.94S	26.84E	2	4.4b,4.0L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=41.9.
PRE Error ellipse: s-maj=4.7km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=17.1km s-min=9.9km az=99.0.
NEIC Event type se. After PRE.

(196) Irian Jaya region

ISC	**III**	**13 15 40 44.4–.41**	**0.61S–.04**	**132.77E–.06**	**59–2**	**4.6b,4.0s**	**168**	**2-153**
IDC	III	13 15 40 36.9–.57	0.53S	132.65E	0	4.6,4.5b		**¶11882793**
MOS	III	13 15 40 39.8–1.0	0.56S	132.60E	33	4.8b,4.5b		
BJI	III	13 15 40 40.7	0.88S	132.77E	61	5.2b,4.8s		
DJA	III	13 15 40 42.9–1.4	1S–4.0	133E–4.0	33–14	5.5b,5.1		
NEIC	III	13 15 40 42.5–1.5	0.60S	132.64E	43–14	4.7b,5.1		
ISCJB	III	13 15 40 42.3–.80	0.60S–.04	132.82E–.04	59–7	4.5b,4.0s		

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

(78) Costa Rica

ISC	**III**	**13 17 33 11.7–.34**	**8.58N–.04**	**83.19W–.03**	**21–3**	**5.0b,4.6s**	**637**	**0-155**
SZGRF	III	13 17 33 07.7	9.04N	85.70W	33	5.1b,5.0s		**¶11882795**
BJI	III	13 17 33 08.2	8.50N	83.30W	10	5.6b,5.5s		
IDC	III	13 17 33 08.4–.39	8.58N	83.16W	0	4.8,4.8		
CASC	III	13 17 33 11.4–2.5	8.53N	83.20W	8–8	5.1b,4.6		
NEIC	III	13 17 33 12.6–.68	8.58N	83.17W	29–4	5.1b,4.5		
MOS	III	13 17 33 12.1–1.0	8.63N	83.13W	33	5.3b,4.5		
ISCJB	III	13 17 33 13.0–.39	8.62N–.03	83.14W–.02	42–3	4.9b,4.6s		
GCMT	III	13 17 33 16.0–.30	8.58N	83.20W	26–0	5.1W,4.6s		

ISC Event type fe.
SZGRF Off coast of Costa Rica.
IDC Error ellipse: s-maj=17.6km s-min=9.7km az=61.0.
CASC Error ellipse: s-maj=11.8km s-min=4.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.5km az=49.0. Felt [IV] at San Vito and [II] at San Jose. Also felt at Canoas, Golfito, Grecia, Llorente, Quepos and Santa Ana. Felt at Boquete and Puerto Armuelles, Panama.
MOS Error ellipse: s-maj=8.2km s-min=5.5km az=93.2.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.9km az=23.0.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s50,c64; s77,c108; Moment tensor: Scale 10^{16}Nm; M_{rr}3.35±.16 $M_{\theta\theta}$-0.68±.11; $M_{\phi\phi}$-2.66±.15; $M_{r\theta}$-3.28±.25; $M_{\theta\phi}$2.33±.09; $M_{\phi r}$1.20±.24; Best double couple: NP1:ϕ_s171.00000°,δ32.00000°,λ134.00000°. NP2:ϕ_s303.00000°,δ68.00000°,λ67.00000°. Principal axes: T 5.1900,Plg61.0000° ,Azm178.0000°; N 0.0300,Plg21.0000°,Azm312.0000°; P -5.2100,Plg20.0000°,Azm50.0000° M_o5.20000×10^{16}

(166) Auckland Islands region

ISC	**III**	**14 10 50 50.4–.53**	**49.20S–.05**	**164.68E–.06**	**27–3**	**5.1b,4.5s**	**247**	**3-162**
ISCJB	III	14 10 50 45.0–1.6	49.21S–.05	164.76E–.06	1–10	5.0b,4.5s		**¶15153188**
IDC	III	14 10 50 46.1–.59	49.32S	164.53E	0	5.1,5.0		
AUST	III	14 10 50 49.3–1.2	49.25S	164.74E	23–0	5.1,5.0		
BJI	III	14 10 50 49.7	49.60S	163.84E	25	5.5b,5.4b		
NEIC	III	14 10 50 50.0–.31	49.19S	164.74E	26	5.0b,5.4b		
MOS	III	14 10 50 50.1–1.1	49.21S	164.45E	33	5.4b,5.4b		
DJA	III	14 10 50 55.6–.80	49S–11	164E–23	10	5.6b,5.1		
GCMT	III	14 10 50 55.0–.30	49.08S	164.32E	38–1	5.1W,5.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.4km az=146.7.
IDC Error ellipse: s-maj=24.6km s-min=17.3km az=58.0.
AUST Error ellipse: s-maj=1.4km s-min=0.7km az=331.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.2km az=135.0. Felt at Mosgiel and Owaka.
MOS Error ellipse: s-maj=19.3km s-min=9.5km az=101.3.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s44,c54; s75,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}3.06±.24 $M_{\theta\theta}$2.23±.17; $M_{\phi\phi}$-5.29±.15; $M_{r\theta}$3.14±.20; $M_{\theta\phi}$0.64±.14; $M_{\phi r}$-0.49±.15; Best double couple: NP1:ϕ_s28.00000°,δ53.00000°,λ145.00000°. NP2:ϕ_s141.00000°,δ63.00000°,λ43.00000°. Principal axes: T 5.8100,Plg49.0000° ,Azm360.0000°; N -0.3900,Plg41.0000°,Azm168.0000°; P -5.4200,Plg6.0000° ,Azm263.0000° M_o5.60000×10^{16}

(710) Pakistan

ISC	**III**	**14 13 26 21.5–.50**	**29.97N–.04**	**68.46E–.03**	**24–3**	**4.8b,4.0s**	**473**	**4-145**
IDC	III	14 13 26 17.6–.39	30.03N	68.43E	0	4.8L,4.7		**¶13436278**
ISCJB	III	14 13 26 18.7–.17	29.94N–.03	68.48E–.02	22	4.8b,3.9s		
TEH	III	14 13 26 20.0	30.15N	68.49E	10	4.9L,3.9s		
BJI	III	14 13 26 20.0	30.24N	68.21E	30	5.1b,4.9b		
DJA	III	14 13 26 21.8–.40	30N–7.0	69E–7.0	10	5.3b,5.2b		
MOS	III	14 13 26 21.3–1.3	30.12N	68.52E	33	5.0b,5.2b		
NEIC	III	14 13 26 23.0–1.0	30.15N	68.47E	36–9	5.0b,5.2b		
NNC	III	14 13 26 25.1–3.0	30.76N	68.64E	0	4.5b,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=11.6km s-min=10.0km az=9.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.4km az=3.2.
MOS Error ellipse: s-maj=6.1km s-min=4.0km az=114.4.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=3.9km az=191.0. Felt at Loralai, Quetta and Ziaret.
NNC Error ellipse: s-maj=39.0km s-min=36.1km az=151.0.

(196) Irian Jaya region

ISC	**III**	**14 21 54 39.2–.67**	**0.70S–.06**	**133.39E–.06**	**28**	**4.0b,3.3s**	**30**	**2-131**
IDC	III	14 21 54 35.2–.86	0.71S	133.37E	0	4.3,4.3L		**¶11883138**
ISCJB	III	14 21 54 37.7–.52	0.66S–.05	133.33E–.05	28	4.0b,3.3s		
DJA	III	14 21 54 41.2–.40	1S–4.0	133E–3.0	51–9	5.6b,5.1		

ISC Event type ke.
ISCJB Event type ke.

(686) West Chile Rise

ISC	**III**	**15 00 56 33.0–.28**	**40.32S–.07**	**91.56W–.07**	**10**	**5.0b,4.7s**	**625**	**16-176**
IDC	III	15 00 56 31.2–.46	40.38S	91.80W	0	4.7,4.7		**¶11883143**
NEIC	III	15 00 56 33.0–.23	40.37S	91.62W	10	5.1b,4.7		
ISCJB	III	15 00 56 32.3–.25	40.27S–.05	91.49W–.07	10	4.9b,4.6s		
BJI	III	15 00 56 34.1	40.30S	91.60W	10	5.6s,5.5b		
GCMT	III	15 00 56 34.4–.20	40.27S	91.86W	12	5.2W,5.5b		
MOS	III	15 00 56 35.5–1.1	40.30S	91.54W	33	5.2b,5.5b		

ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=14.6km az=119.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.0km az=142.9.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s48,c67; s97,c152; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.46±.15 $M_{\theta\theta}$-1.09±.16; $M_{\phi\phi}$7.55±.14; $M_{r\theta}$3.23±.48; $M_{\theta\phi}$-0.37±.14; $M_{\phi r}$-0.75±.42; Best double couple: NP1:ϕ_s200.00000°,δ46.00000°,λ-55.00000°. NP2:ϕ_s335.00000°,δ54.00000°,λ-121.00000°. Principal axes: T 7.6300,Plg4.0000° ,Azm86.0000°; N 0.3700,Plg25.0000°,Azm354.0000°; P -7.9900,Plg65.0000°,Azm185.0000° M_o7.80000×10^{16}
MOS Error ellipse: s-maj=17.1km s-min=9.4km az=93.1.

(696) Galapagos Islands region

ISC	**III**	**15 03 14 31.7–.88**	**2.39N–.04**	**95.30W–.05**	**9–4**	**5.5s,5.4b**	**952**	**6-170**
ISCJB	III	15 03 14 30.1–1.3	2.48N–.03	95.17W–.03	7–8	5.4s,5.3b		**¶11883144**
IDC	III	15 03 14 30.2–.57	2.47N	95.36W	0	5.4s,5.4		
NEIC	III	15 03 14 31.9–.21	2.43N	95.12W	10	5.8W,5.8W		
GCMT	III	15 03 14 35.9–.10	2.56N	95.25W	12	5.8W,5.8W		
MOS	III	15 03 14 35.0–1.1	2.65N	95.00W	33	5.6s,5.6b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.2km az=37.4.
IDC Error ellipse: s-maj=22.8km s-min=11.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=55.0. Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$3.22 $M_{\phi\phi}$-5.18 $M_{r\theta}$-0.39 $M_{\theta\phi}$3.27 $M_{\phi r}$1.36 Best double couple: NP1:ϕ_s116.00000°,δ82.00000°,λ-5.00000°. NP2:ϕ_s206.00000° ,δ85.00000°,λ-172.00000°. Principal axes: T 4.3500,Plg1.0000°,Azm340.0000° ; N 2.1900,Plg80.0000°,Azm238.0000°; P -6.5400,Plg9.0000°,Azm71.0000° M_o5.80000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=227, per= 50. Moment Tensor Solution. s104,c204; s79,c105; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96±.05 $M_{\theta\theta}$3.96±.05; $M_{\phi\phi}$-3.00±.06; $M_{r\theta}$1.41±.13; $M_{\theta\phi}$4.63±.05; $M_{\phi r}$0.75±.14; Best double couple: NP1:ϕ_s109.00000°,δ81.00000°,λ8.00000°. NP2:ϕ_s18.00000°,δ82.00000°,λ171.00000°. Principal axes: T 6.6100,Plg12.0000°,Azm333.0000°; N -1.3000,Plg78.0000°,Azm156.0000° ; P -5.3100,Plg1.0000°,Azm64.0000° M_o6.00000×10^{17}
MOS Error ellipse: s-maj=9.2km s-min=5.0km az=97.2.

(178) Kermadec Islands

ISC	**III**	**15 18 08 31.8–.27**	**30.20S–.05**	**177.77W–.06**	**50**	**5.1b,4.4s**	**659**	**1-172**
BJI	III	15 18 08 24.9	30.07S	177.48W	15	5.6b,5.3s		**¶15153204**
MOS	III	15 18 08 29.1–.92	30.04S	177.90W	33	5.4b,5.3s		
NEIC	III	15 18 08 30.3–.74	30.28S	177.77W	43–6	5.1b,5.3s		
ISCJB	III	15 18 08 31.5–.14	30.12S–.04	178.06W–.03	50	5.1b,4.4s		
IDC	III	15 18 08 32.3–2.8	29.96S	177.90W	50–23	4.9,4.8		
AUST	III	15 18 08 33.9–.03	29.94S	177.76W	62	4.9,4.8		
GCMT	III	15 18 08 35.5–.20	30.03S	177.67W	55–1	5.1W,4.8		
BGS	III	15 18 08 56.3–17	30.28S	177.77W	40	5.1b,4.8		
DJA	III	15 18 09 11.8–6.8	31S–35	179W–42	377–57	5.0b,5.0		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s54,c83; s76,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}5.98±.21 $M_{\theta\theta}$0.29±.18; $M_{\phi\phi}$-6.28±.16; $M_{r\theta}$0.45±.12; $M_{\theta\phi}$-0.75±.14; $M_{\phi r}$2.31±.13; Best double couple: NP1:ϕ_s185.00000°,δ35.00000°,λ87.00000°. NP2:ϕ_s8.00000°,δ55.00000°,λ92.00000°. Principal axes: T 6.4200,Plg79.0000° ,Azm286.0000°; N 0.3700,Plg2.0000°,Azm187.0000°; P -6.8000,Plg10.0000°,Azm97.0000° M_o6.60000×10^{16}

(407) North of Ascension Island

ISC	**III**	**16 01 38 02.1–.37**	**0.19N–.07**	**17.41W–.06**	**12**	**4.8b,4.1s**	**591**	**14-146**
MOS	III	16 01 37 59.8–.82	0.04N	17.37W	10	5.0b,4.1s		**¶13436396**
BJI	III	16 01 38 00.9	0.30N	17.58W	13	5.5b,5.2s		
IDC	III	16 01 38 00.2–.47	0.10N	17.47W	0	4.6,4.5		
ISCJB	III	16 01 38 00.7–.24	0.12N–.05	17.39W–.03	12	4.7b,4.1s		
NEIC	III	16 01 38 01.6–.20	0.03N	17.46W	10	4.9b,4.1s		
SZGRF	III	16 01 38 01.8	0.47N	18.91W	33	4.6b,4.1s		
TEH	III	16 01 38 02.0	0.11N	17.47W	10	4.9L,4.1s		
GCMT	III	16 01 38 05.7–.30	0.26N	17.45W	14–1	4.9W,4.1s		

ISC Event type se.
MOS Error ellipse: s-maj=11.4km s-min=3.9km az=64.1.
IDC Error ellipse: s-maj=15.3km s-min=12.1km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.4km az=157.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.6km az=154.0.
SZGRF Central Mid-Atlantic Ridge.
GCMT Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s23,c27; s73,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.09 $M_{\theta\theta}$0.89±.08; $M_{\phi\phi}$-0.60±.08; $M_{r\theta}$-0.13±.17; $M_{\theta\phi}$-2.26±.09; $M_{\phi r}$-0.21±.17; Best double couple: NP1:ϕ_s81.00000°,δ85.00000°,λ-175.00000°. NP2:ϕ_s351.00000°,δ85.00000°,λ-5.00000°. Principal axes: T 2.5200,Plg0.0000° ,Azm36.0000°; N -0.2500,Plg83.0000°,Azm129.0000°; P -2.2700,Plg7.0000°,Azm306.0000° M_o2.40000×10^{16}

(263) Talaud Islands

ISC	**III**	**16 14 15 56.3–.26**	**3.73N–.03**	**126.62E–.03**	**34–0**	**6.1b,6.0s**	**1588**	**1-169**
BJI	III	16 14 15 47.8	3.00N	126.89E	35	6.2s,6.2b		**¶15153215**
IDC	III	16 14 15 50.8–.33	3.79N	126.64E	0	5.9s,5.9		
MOS	III	16 14 15 53.6–1.2	3.66N	126.69E	33	6.3b,5.9s		
ISCJB	III	16 14 15 53.6–.10	3.76N–.02	126.80E–.02	30	6.1b,6.0s		
NEIC	III	16 14 15 56.5–.15	3.81N	126.55E	35	6.5,6.3W		
AUST	III	16 14 15 56.4–.51	3.63N	126.89E	33–0	6.5,6.3W		
TEH	III	16 14 15 57.0	3.82N	126.53E	35	6.0L,6.3W		
DJA	III	16 14 15 59.3–.30	4N–2.0	127E–2.0	61–3	6.5,6.5b		
GCMT	III	16 14 16 04.0–.10	3.77N	126.68E	20–0	6.3W,6.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=9.7km az=76.0.
MOS Error ellipse: s-maj=8.4km s-min=4.4km az=116.8.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=177.9.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=5.1km az=70.0. Felt [V] at Melonguanne and in the Kepulauan Talaud; [III] at Marore and Tahuna. Also felt at Manado. Felt [II PIVS] at Davao, Philippines. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ60.00000°,λ25.00000°. NP2: ϕ_s32.00000°,δ69.00000°,λ148.00000°. Principal axes: T Plg38.0000°,Azm351.0000° ; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm85.0000° Moment Tensor Solution. s67 Moment tensor: Scale 10^{18}Nm; M_{rr}0.62 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-0.96 $M_{r\theta}$1.08 $M_{\theta\phi}$0.53 $M_{\phi r}$0.62 Best double couple: NP1:ϕ_s21.00000°,δ70.00000°,λ134.00000°. NP2:ϕ_s130.00000° ,δ48.00000°,λ28.00000°. Principal axes: T 1.8100,Plg46.0000°,Azm335.0000° ; N -0.6100,Plg40.0000°,Azm181.0000°; P -1.2000,Plg13.0000°,Azm80.0000° M_o1.60000×10^{18} Moment Tensor Solution. M_o5.20000×10^{18}
AUST Error ellipse: s-maj=0.6km s-min=0.4km az=44.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=121, comp=205, per= 50. Moment Tensor Solution. s127,c303; s93,c153; Moment tensor: Scale 10^{18}Nm; M_{rr}2.01±.02 $M_{\theta\theta}$1.03±.02; $M_{\phi\phi}$-3.04±.02; $M_{r\theta}$2.98±.06; $M_{\theta\phi}$0.45±.02; $M_{\phi r}$1.21±.04; Best double couple: NP1:ϕ_s146.00000°,δ44.00000°,λ31.00000°. NP2:ϕ_s33.00000°,δ69.00000°,λ129.00000°. Principal axes: T 4.7300,Plg49.0000°,Azm346.0000°; N -1.4000,Plg36.0000°,Azm196.0000° ; P -3.3300,Plg15.0000°,Azm95.0000° M_o4.00000×10^{18}

(263) Talaud Islands

ISC	**III**	**16 14 24 36.8–.56**	**3.56N–.09**	**126.5E–.10**	**53**	**4.6b**	**44**	**11-90**
IDC	III	16 14 24 30.0–.63	3.56N	126.56E	0	5.6s,5.6		**¶12703418**
ISCJB	III	16 14 24 35.0–.39	3.56N–.06	126.48E–.08	53	5.4s,4.6b		
NEIC	III	16 14 24 36.0–1.6	3.57N	126.52E	45–16	5.0b,4.6b		

ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=12.5km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.9km az=160.1.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.6km az=69.0.

(266) Northern Molucca Sea

ISC	**III**	**16 14 27 39.9–.36**	**3.68N–.04**	**126.83E–.05**	**40–2**	**5.5s,5.1b**	**240**	**1-149**
BJI	III	16 14 27 31.1	2.80N	127.02E	35	5.6b,5.5s		**¶15153217**
IDC	III	16 14 27 34.0–.42	3.60N	126.59E	0	5.3s,5.3		
MOS	III	16 14 27 37.2–.91	3.63N	126.65E	33	5.4b,5.3		
NEIC	III	16 14 27 39.2–.28	3.61N	126.65E	35	5.0b,5.3		
ISCJB	III	16 14 27 40.9–.45	3.63N–.03	126.79E–.04	68–4	4.9b,5.3		
DJA	III	16 14 27 42.8–.60	4N–5.0	127E–3.0	56	5.2b,5.1		
AUST	III	16 14 27 45.5	3.50N	127.00E	100	5.2b,5.1		

ISC Event type fe.
IDC Error ellipse: s-maj=18.8km s-min=10.4km az=79.0.
MOS Error ellipse: s-maj=14.5km s-min=7.0km az=112.8.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=6.3km az=77.0. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.7km az=154.9.

(173) Tonga Islands

ISC	**III**	**16 15 25 14.5–.46**	**20.69S–.09**	**175.49W–.08**	**35**	**5.0s,4.7b**	**126**	**7-172**
IDC	III	16 15 25 09.1–.64	20.54S	175.61W	0	4.5,4.4s		**¶11905614**
ISCJB	III	16 15 25 13.1–.29	20.82S–.09	175.61W–.06	33	4.8s,4.7b		
BJI	III	16 15 25 16.7	21.08S	175.17W	84	5.5b,5.4s		
NEIC	III	16 15 25 20.4–2.4	20.62S	175.71W	86–21	5.0b,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=16.7km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=6.7km az=163.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=11.7km az=136.0.

(263) Talaud Islands

ISC	**III**	**16 16 10 18.4–.73**	**3.50N–.07**	**126.63E–.09**	**53**	**3.9b**	**23**	**1-85**
IDC	III	16 16 10 11.2–.77	3.46N	126.45E	0	3.9,3.8		**¶12703428**
DJA	III	16 16 10 15.3–1.6	4N–8.0	127E–7.0	20–16	5.7b,5.2		
ISCJB	III	16 16 10 16.4–.56	3.51N–.05	126.62E–.07	53	3.7b,5.2		

ISC Event type ke.
ISCJB Event type ke.

(263) Talaud Islands

ISC	**III**	**16 17 42 04.8–.29**	**3.60N–.03**	**126.73E–.04**	**25–1**	**5.3s,5.3b**	**589**	**1-169**
BJI	III	16 17 41 59.6	3.25N	126.84E	24	5.4s,5.4b		**¶15153220**
IDC	III	16 17 42 00.9–.39	3.62N	126.70E	0	5.1,5.1s		
NEIC	III	16 17 42 03.6–2.8	3.60N	126.70E	18–17	5.6W,5.3b		
MOS	III	16 17 42 04.6–1.6	3.64N	126.68E	33	5.6b,5.2s		
ISCJB	III	16 17 42 05.6–.42	3.69N–.02	126.80E–.03	44–3	5.3s,5.2b		
GCMT	III	16 17 42 06.8–.10	3.71N	126.50E	13	5.7W,5.2b		
AUST	III	16 17 42 09.3	3.50N	126.50E	60	5.7W,5.2b		
DJA	III	16 17 42 10.2–.30	4N–3.0	127E–2.0	43–4	5.9,5.8b		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$-0.98 $M_{r\theta}$0.99 $M_{\theta\phi}$0.10 $M_{\phi r}$-2.50 Best double couple: NP1:ϕ_s7.00000° ,δ11.00000°,λ117.00000°. NP2:ϕ_s160.00000°,δ80.00000°,λ85.00000°. Principal axes: T 2.9000,Plg54.0000°,Azm63.0000°; N -0.0600,Plg4.0000°,Azm160.0000° ; P -2.8300,Plg34.0000°,Azm253.0000° M_o2.90000×10^{17}
ISCJB Event type se.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 91, comp=160, per= 50. Moment Tensor Solution. s90,c138; s36,c40; Moment tensor: Scale 10^{17}Nm; M_{rr}2.12±.05 $M_{\theta\theta}$0.66±.04; $M_{\phi\phi}$-2.77±.05; $M_{r\theta}$1.37±.14; $M_{\theta\phi}$0.01±.03; $M_{\phi r}$-2.55±.18; Best double couple: NP1:ϕ_s24.00000°,δ26.00000°,λ134.00000°. NP2:ϕ_s158.00000°,δ71.00000°,λ71.00000°. Principal axes: T 3.7300,Plg59.0000°,Azm41.0000°; N 0.2100,Plg18.0000°,Azm164.0000° ; P -3.9300,Plg24.0000°,Azm262.0000° M_o3.80000×10^{17}

(263) Talaud Islands

ISC	**III**	**16 17 44 54.3–.33**	**3.63N–.03**	**126.73E–.04**	**40–2**	**5.2s,5.0b**	**325**	**1-150**
BJI	III	16 17 44 46.9	3.04N	127.07E	33	5.4s,5.3b		**¶15153218**
IDC	III	16 17 44 48.5–.45	3.61N	126.58E	0	5.1s,5.1		
MOS	III	16 17 44 51.6–.98	3.64N	126.51E	33	5.4b,5.1		
NEIC	III	16 17 44 53.5–.23	3.69N	126.75E	35	5.2b,5.1		
ISCJB	III	16 17 44 53.4–.55	3.68N–.02	126.73E–.03	49–5	5.1s,5.0b		
DJA	III	16 17 44 56.0–.90	4N–4.0	127E–3.0	17–9	5.7b,5.3		
AUST	III	16 17 44 57.5–.45	3.64N	126.94E	68–0	5.7b,5.3		

ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=9.8km az=79.0.
MOS Error ellipse: s-maj=14.6km s-min=6.4km az=113.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.2km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.8km az=157.7.
AUST Error ellipse: s-maj=1.4km s-min=0.7km az=232.0.

(213) Volcano Islands region

ISC	**III**	**16 19 52 58.6–.52**	**24.90N–.04**	**142.57E–.06**	**31–2**	**4.7b,4.2s**	**274**	**2-156**
NIED	III	16 19 52 00	24.80N	143.00E	11	4.5W,4.2s		**¶11938381**
IDC	III	16 19 52 53.5–.41	24.88N	142.65E	0	4.7,4.7		
BJI	III	16 19 52 53.2	24.70N	143.13E	33	4.9b,4.6b		
JMA	III	16 19 52 56.4–.20	24.83N	143.04E	106	4.8,4.6b		
ISCJB	III	16 19 52 56.8–1.4	25.00N–.03	142.60E–.05	29–9	4.6b,4.1s		
MOS	III	16 19 52 56.9–1.0	24.87N	142.60E	33	5.0b,4.5s		
NEIC	III	16 19 53 00.2–1.1	24.87N	142.65E	47–9	4.7b,4.5W		
DJA	III	16 19 53 11.2–4.0	25N–9.0	142E–15	118–37	4.7,4.7b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ81.00000°,λ138.00000°. NP2:ϕ_s164.00000°,δ49.00000°,λ12.00000°. M_o7.01000×10^{15}
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. M_o7.00000×10^{15}

(196) Irian Jaya region

ISC	**III**	**17 15 48 24.4–.49**	**0.59S–.06**	**133.22E–.05**	**32**	**4.3b,3.5s**	**64**	**2-153**
IDC	III	17 15 48 19.2–.66	0.62S	133.23E	0	4.5,4.5L		**¶11938410**
ISCJB	III	17 15 48 22.7–.41	0.60S–.04	133.20E–.04	32	4.2b,3.5s		
DJA	III	17 15 48 24.2–1.2	1S–4.0	133E–2.0	12–9	5.7b,5.3		
NEIC	III	17 15 48 26.7–2.4	0.69S	133.22E	56–23	4.2b,5.3		

ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=15.5km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.8km az=152.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=9.4km az=59.0.

(215) Mariana Islands region

ISC	**III**	**17 18 08 38.2–.36**	**20.03N–.04**	**147.61E–.05**	**40–2**	**5.0b,3.8s**	**652**	**7-152**
IDC	III	17 18 08 32.2–.38	20.03N	147.62E	0	4.9,4.9		**¶11938413**
ISCJB	III	17 18 08 33.6–.99	20.02N–.03	147.49E–.02	15–6	5.0b,3.9s		
MOS	III	17 18 08 35.5–.79	20.04N	147.58E	33	5.3b,3.9s		
GCMT	III	17 18 08 37.8–.30	20.11N	147.75E	18–1	4.8W,3.9s		
BJI	III	17 18 08 37.2	20.19N	147.52E	37	5.2b,5.0b		
NEIC	III	17 18 08 37.5–2.0	20.04N	147.57E	34–14	5.0b,5.0b		
DJA	III	17 18 08 44.6–1.8	20N–8.0	147E–14	72–13	5.7,5.7b		

ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s20,c21; s74,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.34±.16 $M_{\theta\theta}$0.54±.09; $M_{\phi\phi}$1.80±.11; $M_{r\theta}$-0.17±.21; $M_{\theta\phi}$-0.86±.05; $M_{\phi r}$-0.25±.19; Best double couple: NP1:ϕ_s147.00000°,δ43.00000°,λ-99.00000°. NP2:ϕ_s339.00000°,δ47.00000°,λ-82.00000°. Principal axes: T 2.2400,Plg2.0000° ,Azm63.0000°; N 0.1300,Plg6.0000°,Azm153.0000°; P -2.3700,Plg84.0000°,Azm317.0000° M_o2.30000×10^{16}
NEIC Event type se.

(710) Pakistan

ISC	**III**	**17 23 14 45.9–.33**	**25.97N–.04**	**67.26E–.03**	**17–1**	**4.9b,4.5s**	**799**	**7-131**
IDC	III	17 23 14 42.4–.41	25.78N	67.30E	0	4.7,4.7		**¶13436558**
ISCJB	III	17 23 14 43.3–.15	25.90N–.02	67.29E–.02	15	4.8b,4.5s		
TEH	III	17 23 14 45.0	25.88N	67.22E	15	4.9L,4.5s		
MOS	III	17 23 14 46.0–1.2	25.93N	67.27E	33	5.0b,4.4s		
BJI	III	17 23 14 46.7	26.16N	67.80E	10	5.0s,5.0b		
SZGRF	III	17 23 14 47.2	24.62N	66.08E	30	4.7b,5.0b		
NEIC	III	17 23 14 47.2–1.8	25.91N	67.24E	27–12	5.0b,5.0b		
GCMT	III	17 23 14 48.9–.20	25.84N	67.42E	12	5.0W,5.0b		
DJA	III	17 23 14 56.5–1.6	26N–9.0	68E–6.0	102–19	5.3b,4.8b		

ISC Event type fe.
ISCJB Event type fe.
SZGRF Pakistan.
NEIC Event type fe. Felt [II] at Karachi.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s52,c77; s86,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}4.63±.08 $M_{\theta\theta}$-0.86±.08; $M_{\phi\phi}$-3.77±.09; $M_{r\theta}$-0.85±.28; $M_{\theta\phi}$-1.52±.07; $M_{\phi r}$0.56±.24; Best double couple: NP1:ϕ_s214.00000°,δ45.00000°,λ106.00000°. NP2:ϕ_s12.00000°,δ47.00000°,λ75.00000°. Principal axes: T 4.8300,Plg79.0000° ,Azm209.0000°; N -0.4100,Plg11.0000°,Azm23.0000°; P -4.4200,Plg1.0000°,Azm113.0000° M_o4.60000×10^{16}

(263) Talaud Islands

ISC	**III**	**18 09 03 09.6–.30**	**3.67N–.03**	**126.61E–.03**	**31–1**	**5.8b,4.9s**	**1269**	**3-169**
BJI	III	18 09 03 05.9	3.36N	126.68E	35	5.7b,5.4b		**¶13436626**
ISCJB	III	18 09 03 08.5–.12	3.66N–.02	126.71E–.02	35	5.8b,4.8s		
MOS	III	18 09 03 08.9–.93	3.71N	126.51E	33	5.9b,4.8s		
NEIC	III	18 09 03 08.5–.11	3.65N	126.66E	23	5.8b,5.6		
IDC	III	18 09 03 09.3–2.5	3.59N	126.57E	28–16	5.5,5.5		
TEH	III	18 09 03 12.0	3.67N	126.74E	59	5.7L,5.5		
GCMT	III	18 09 03 13.4–.10	3.79N	126.82E	24–0	5.5W,5.5		
DJA	III	18 09 03 14.8–.30	4N–2.0	127E–2.0	78–4	5.9,5.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Damau, Melonguanne and Salibabu. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ70.00000° ,λ120.00000°. NP2:ϕ_s151.00000°,δ36.00000°,λ36.00000°. Principal axes: T Plg55.0000° ,Azm338.0000°; N Plg0.0000°,Azm0.0000°; P Plg19.0000°,Azm98.0000° Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}1.44 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-2.20 $M_{r\theta}$0.11 $M_{\theta\phi}$0.34 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s5.00000°,δ53.00000°,λ106.00000°. NP2:ϕ_s160.00000° ,δ40.00000°,λ70.00000°. Principal axes: T 1.5300,Plg75.0000°,Azm326.0000° ; N 0.7700,Plg12.0000°,Azm175.0000°; P -2.2900,Plg6.0000°,Azm83.0000° M_o2.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=171, per= 50. Moment Tensor Solution. s96,c159; s30,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}1.26±.03 $M_{\theta\theta}$0.64±.02; $M_{\phi\phi}$-1.90±.03; $M_{r\theta}$1.04±.05; $M_{\theta\phi}$-0.82±.02; $M_{\phi r}$0.35±.04; Best double couple: NP1:ϕ_s164.00000°,δ46.00000°,λ36.00000°. NP2:ϕ_s47.00000°,δ65.00000°,λ131.00000°. Principal axes: T 2.0500,Plg52.0000°,Azm5.0000°; N 0.2200,Plg36.0000°,Azm208.0000° ; P -2.2600,Plg11.0000°,Azm110.0000° M_o2.20000×10^{17}

(263) Talaud Islands

ISC	**III**	**18 13 37 06.8–.49**	**3.40N–.06**	**126.50E–.10**	**53**	**4.3b,3.4s**	**37**	**4-123**
IDC	III	18 13 36 59.3–.59	3.45N	126.50E	0	4.4,4.3		**¶15153267**
ISCJB	III	18 13 37 04.9–.35	3.43N–.05	126.48E–.08	53	4.3b,3.3s		
AUST	III	18 13 37 10.3–.47	3.38N	126.59E	88–0	4.3b,3.3s		

ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=12.8km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=5.6km az=156.0.
AUST Error ellipse: s-maj=1.2km s-min=0.9km az=262.0.

(263) Talaud Islands

ISC	**III**	**18 15 02 32.0–.46**	**4.06N–.06**	**126.92E–.08**	**36**	**4.1b,3.4s**	**70**	**3-99**
IDC	III	18 15 02 26.0–.60	3.91N	126.83E	0	4.1,4.0		**¶12791243**
ISCJB	III	18 15 02 30.0–.33	4.11N–.05	126.92E–.06	36	4.1b,3.5s		
NEIC	III	18 15 02 31.5–.41	3.97N	126.79E	35	4.6b,3.5s		
AUST	III	18 15 02 32.1–1.3	3.95N	126.89E	39–0	4.6b,3.5s		
DJA	III	18 15 02 33.9–1.9	4N–15	127E–12	64–14	4.6,4.5		

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

(197) Near north coast of Irian Jaya

ISC	**III**	**19 01 35 13.4–.27**	**2.03S–.03**	**139.04E–.04**	**29**	**4.9b,4.5s**	**306**	**0-155**
IDC	III	19 01 35 08.2–.42	1.96S	139.01E	0	4.8L,4.6		**¶15153282**
ISCJB	III	19 01 35 10.9–.21	1.97S–.02	139.15E–.03	29	4.8b,4.5s		
MOS	III	19 01 35 11.6–1.1	2.01S	138.93E	33	5.1b,4.4s		
GCMT	III	19 01 35 12.8–.20	1.71S	139.32E	15–1	5.1W,4.4s		
AUST	III	19 01 35 12.2–2.5	2.10S	138.86E	15–0	5.1W,4.4s		
BJI	III	19 01 35 12.2	1.79S	139.06E	27	5.2b,4.8b		
NEIC	III	19 01 35 13.7–.21	1.96S	138.95E	35	4.9b,4.8b		
DJA	III	19 01 35 17.0–.50	2S–4.0	139E–3.0	53–4	5.6b,5.2		

ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s42,c55; s77,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}3.00±.18 $M_{\theta\theta}$0.69±.11; $M_{\phi\phi}$-3.68±.14; $M_{r\theta}$-2.89±.35; $M_{\theta\phi}$2.22±.08; $M_{\phi r}$2.64±.32; Best double couple: NP1:ϕ_s185.00000°,δ29.00000°,λ136.00000°. NP2:ϕ_s316.00000°,δ70.00000°,λ68.00000°. Principal axes: T 5.0800,Plg59.0000° ,Azm195.0000°; N 0.9800,Plg21.0000°,Azm324.0000°; P -6.0600,Plg22.0000°,Azm62.0000° M_o5.60000×10^{16}
NEIC Event type se.

(196) Irian Jaya region

ISC	**III**	**19 02 17 30.5–.45**	**0.69S–.03**	**133.17E–.04**	**41–3**	**5.0b,4.3s**	**365**	**2-161**
BJI	III	19 02 17 24.1	1.17S	133.39E	35	5.1b,4.8b		**¶15153280**
IDC	III	19 02 17 24.3–.40	0.69S	133.08E	0	5.0,4.9		
ISCJB	III	19 02 17 27.9–.65	0.67S–.03	133.23E–.03	36–5	4.9b,4.3s		
MOS	III	19 02 17 27.7–1.3	0.67S	133.06E	33	5.3b,4.3s		
NEIC	III	19 02 17 29.6–.17	0.70S	133.13E	35	5.1b,4.3s		
GCMT	III	19 02 17 29.7–.10	0.60S	133.06E	32–0	5.2W,4.3s		
DJA	III	19 02 17 34.4–.30	1S–3.0	133E–2.0	54–3	5.6b,5.5		
AUST	III	19 02 17 37.0–.64	1.12S	132.98E	92–0	5.6b,5.5		

ISC Event type fe.
IDC Error ellipse: s-maj=19.4km s-min=9.8km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.0km az=144.4.
MOS Error ellipse: s-maj=12.8km s-min=6.1km az=109.6.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.7km az=61.0. Felt [III] at Manokwari.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c131; s92,c158; Moment tensor: Scale 10^{16}Nm; M_{rr}8.23±.20 $M_{\theta\theta}$-6.31±.14; $M_{\phi\phi}$-1.92±.18; $M_{r\theta}$-3.34±.18; $M_{\theta\phi}$4.33±.11; $M_{\phi r}$1.98±.24; Best double couple: NP1:ϕ_s122.00000°,δ33.00000°,λ91.00000°. NP2:ϕ_s301.00000°,δ57.00000°,λ90.00000°. Principal axes: T 9.0700,Plg78.0000° ,Azm210.0000°; N 0.7400,Plg0.0000°,Azm301.0000°; P -9.8100,Plg12.0000°,Azm31.0000° M_o9.40000×10^{16}
AUST Error ellipse: s-maj=1.4km s-min=0.7km az=33.0.

(322) Gansu

ISC	**III**	**19 05 43 32.2–.49**	**32.15N–.03**	**105.10E–.03**	**18–1**	**4.6b,3.4s**	**319**	**2-151**
ISCJB	III	19 05 43 28.1–.78	32.24N–.02	105.11E–.03	3–5	4.6b,3.3s		**¶12025768**
IDC	III	19 05 43 29.1–.47	32.20N	105.07E	0	4.5,4.4		
NEIC	III	19 05 43 31.8–.17	32.20N	105.09E	16	4.8b,4.4		
BJI	III	19 05 43 31.9	32.20N	104.90E	24	4.7b,4.5b		
MOS	III	19 05 43 32.4–.80	32.17N	105.12E	33	4.8b,4.5b		
DJA	III	19 05 43 35.3–.50	32N–4.0	105E–10	10	5.5b,5.0		

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

(197) Near north coast of Irian Jaya

ISC	**III**	**19 07 03 35.0–.33**	**1.98S–.03**	**139.10E–.04**	**35–1**	**5.1b,4.3s**	**402**	**0-161**
BJI	III	19 07 03 28.5	2.59S	139.31E	35	5.0b,4.9b		**¶15153274**
IDC	III	19 07 03 29.6–.41	1.96S	139.06E	0	4.8,4.8		
AUST	III	19 07 03 29.5–2.6	2.00S	139.10E	0–0	4.8,4.8		
ISCJB	III	19 07 03 31.9–.88	2.02S–.03	139.09E–.03	25–6	5.0b,4.3s		
MOS	III	19 07 03 33.0–.98	2.02S	138.97E	33	5.2b,4.3s		
DJA	III	19 07 03 33.9–.60	2S–4.0	139E–3.0	20–4	5.6b,5.2b		
GCMT	III	19 07 03 34.1–.20	1.76S	139.20E	12–0	5.0W,5.2b		
NEIC	III	19 07 03 35.0–.14	2.00S	139.02E	35	5.1b,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.3km s-min=10.5km az=71.0.
AUST Error ellipse: s-maj=1.2km s-min=0.7km az=31.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.9km az=137.2.
MOS Error ellipse: s-maj=12.3km s-min=6.2km az=110.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s39,c44; s86,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}2.95±.13 $M_{\theta\theta}$-1.62±.08; $M_{\phi\phi}$-1.33±.10; $M_{r\theta}$-2.71±.30; $M_{\theta\phi}$1.45±.06; $M_{\phi r}$2.18±.31; Best double couple: NP1:ϕ_s135.00000°,δ20.00000°,λ95.00000°. NP2:ϕ_s310.00000°,δ70.00000°,λ88.00000°. Principal axes: T 4.5700,Plg65.0000° ,Azm217.0000°; N -0.0200,Plg2.0000°,Azm310.0000°; P -4.5400,Plg25.0000°,Azm41.0000° M_o4.60000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=67.0. Felt [IV] at Sarmi.

(197) Near north coast of Irian Jaya

ISC	**III**	**19 08 11 42.8–.61**	**2.02S–.06**	**139.09E–.07**	**29**	**4.6b,4.0s**	**40**	**2-148**
IDC	III	19 08 11 40.8–.54	2.00S	138.98E	0	4.4,4.3		**¶15153294**
AUST	III	19 08 11 41.6	1.94S	139.51E	5	4.4,4.3		
ISCJB	III	19 08 11 43.4–.24	2.08S–.03	139.11E–.04	29	4.6b,4.0s		
BJI	III	19 08 11 43.4	2.40S	139.07E	37	5.0b,4.7s		
MOS	III	19 08 11 43.9–.96	2.06S	138.94E	33	4.7b,4.7s		
DJA	III	19 08 11 45.8–.40	2S–6.0	139E–4.0	10	5.6b,5.1		
NEIC	III	19 08 11 46.2–.27	2.03S	138.97E	35	4.7b,5.1		

ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=13.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=157.1.
MOS Error ellipse: s-maj=15.7km s-min=7.8km az=108.4.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.2km az=68.0.

(400) Central Mediterranean Sea

ISC	**III**	**19 14 15 18.3–.24**	**35.09N–.02**	**23.43E–.02**	**30–1**	**5.1b,4.4s**	**1706**	**1-152**
SZGRF	III	19 14 15 08.9	34.67N	24.45E	10	5.0b,3.7s		**¶12025785**
BEO	III	19 14 15 10.3–4.8	34.19N	23.00E		5.2L,3.7s		
HLW	III	19 14 15 13.8	35.48N	23.73E	11–13	4.6L,4.3		
BJI	III	19 14 15 14.9	35.25N	23.11E	29	5.3b,5.1b		
ISCJB	III	19 14 15 15.1–.44	35.02N–.01	23.45E–.01	15–3	5.0b,4.4s		
DJA	III	19 14 15 15.5–.70	35N–10	23E–12	10	5.9,5.7b		
MOS	III	19 14 15 17.6–1.0	35.16N	23.47E	33	5.3b,4.1s		
IDC	III	19 14 15 18.6–2.2	35.13N	23.50E	29–14	4.9L,4.8b		
CSEM	III	19 14 15 18.8–.11	34.99N	23.43E	40	4.9b,4.4W		
ATH	III	19 14 15 19.3	35.10N	23.44E	37–0	4.8L,4.4W		
NEIC	III	19 14 15 19.3	35.10N	23.44E	37	5.0b,4.8L		
PDG	III	19 14 15 19.5–.40	35.15N	23.14E	37–11	4.8L,4.8L		
BGS	III	19 14 15 22.8–2.1	35.60N	23.41E	33	5.0b,4.8L		
GCMT	III	19 14 15 24.7–.40	34.75N	23.16E	56–2	4.9W,4.8L		
NIC	III	19 14 15 27.2–.50	36.01N	24.22E	61	5.0b,4.5L		
DDA	III	19 14 15 42.0	36.51N	24.89E	18	4.7L,4.5L		

ISC Event type fe.
SZGRF Crete, Greece.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.6km az=22.3.
MOS Error ellipse: s-maj=4.2km s-min=2.3km az=102.0.
IDC Error ellipse: s-maj=11.0km s-min=9.9km az=7.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=27.0.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
NEIC Event type fe. Felt at Kolymvari, Mourniaos, Pithairion and Vrases. After ATH.
PDG Event type ke. Error ellipse: s-maj=7.3km s-min=4.7km az=90.0.
BGS Error ellipse: s-maj=296.8km s-min=135.0km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s35,c43; s60,c91; Moment tensor: Scale 10^{16}Nm; M_{rr}1.86±.15 $M_{\theta\theta}$-1.60±.12; $M_{\phi\phi}$-0.26±.11; $M_{r\theta}$0.87±.09; $M_{\theta\phi}$2.11±.10; $M_{\phi r}$-0.75±.09; Best double couple: NP1:ϕ_s299.00000°,δ33.00000°,λ79.00000°. NP2:ϕ_s131.00000°,δ58.00000°,λ97.00000°. Principal axes: T 2.1200,Plg76.0000° ,Azm62.0000°; N 1.2800,Plg6.0000°,Azm308.0000°; P -3.4000,Plg12.0000°,Azm216.0000° M_o2.80000×10^{16}
NIC Moment Tensor Solution. M_o7.70000×10^{14}
DDA Event type ke.

(197) Near north coast of Irian Jaya

ISC	**III**	**19 14 59 11.6–.27**	**1.98S–.03**	**139.08E–.04**	**29**	**4.9b,4.2s**	**281**	**0-161**
IDC	III	19 14 59 06.8–.51	1.90S	139.03E	0	4.9,4.9L		**¶15153272**
MOS	III	19 14 59 09.7–.97	1.90S	139.07E	33	5.0b,4.9L		
DJA	III	19 14 59 09.4–.30	2S–4.0	139E–3.0	10	5.4b,5.1b		

ISCJB III 19 14 59 09.1–.22 1.91S–.03 139.15E–.04 29 4.9b,4.1s
BJI III 19 14 59 10.6 2.04S 139.00E 43 5.0b,4.8b
GCMT III 19 14 59 10.0–.30 1.72S 139.30E 17–1 4.9W,4.8b
NEIC III 19 14 59 11.9–.21 1.91S 139.00E 35 4.8b,4.8b
AUST III 19 14 59 20.8 2.44S 139.01E 100 4.8b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=10.7km az=78.0.
MOS Error ellipse: s-maj=13.7km s-min=7.2km az=110.2.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.6km az=154.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s21,c22; s65,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}2.34±.18 $M_{\theta\theta}$-0.81±.09; $M_{\phi\phi}$-1.53±.13; $M_{r\theta}$-1.43±.26; $M_{\theta\phi}$1.16±.06; $M_{\phi r}$1.55±.31; Best double couple: NP1:ϕ_s148.00000°,δ24.00000°,λ98.00000°. NP2:ϕ_s319.00000°,δ66.00000°,λ86.00000°. Principal axes: T 3.1500,Plg69.0000° ,Azm222.0000°; N 0.0300,Plg3.0000°,Azm321.0000°; P -3.1800,Plg21.0000°,Azm52.0000° M_o3.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=63.0.

(174) Tonga Islands region

ISC	**III**	**19 18 17 40.7–.30**	**23.16S–.03**	**174.59W–.03**	**31–1**	**7.6s,7.0b**	**2501**	**7-180**
WEL	III	19 18 17 23.6–2.3	23.72S	171.71W	12	7.9W,7.0b		¶15153302
IDC	III	19 18 17 35.8–.31	23.01S	174.74W	0	7.4s,7.4		
ISCJB	III	19 18 17 38.7–.08	23.09S–.03	174.62W–.02	31	7.6s,6.8b		
DJA	III	19 18 17 39.0–.30	23S–5.0	175W–6.0	10	8.0,7.9		
MOS	III	19 18 17 39.4–1.1	23.00S	174.70W	33	7.5s,7.0b		
BGS	III	19 18 17 40.8–2.5	23.05S	174.67W	33	7.8s,7.0b		
NEIC	III	19 18 17 40.5–.09	23.04S	174.66W	31	7.8,7.6s		
IGIL	III	19 18 17 41.2	23.05S	174.67W	34	7.9s,7.6s		
AUST	III	19 18 17 41.2–2.9	22.96S	174.74W	29–0	7.9s,7.6s		
GCMT	III	19 18 17 53.2–.10	23.08S	174.23W	49–0	7.6W,7.6s		

ISC Event type fe.
WEL Event type fe. Error ellipse: s-maj=38.0km s-min=9.7km az=90.0. Felt between Bay of Plenty, Nelson and Gisborne, maximum reported intensity. MM 4.
IDC Error ellipse: s-maj=12.8km s-min=10.3km az=174.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.1km az=156.4.
MOS Error ellipse: s-maj=8.0km s-min=5.9km az=59.6.
BGS Error ellipse: s-maj=135.6km s-min=787.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=151.0. Felt [VI] at Nuku'alofa. Felt at Havelu, Neiafu, Pangai and Vaini. Also felt at Suva, Fiji; Auckland, Lower Hutt, Taradale and Wellington, New Zealand; Apia, Samoa. A small tsunami was generated with wave heights [peak-to-trough, in cm.] at the following selected tide stations: 10.4 at Iquique, Chile; 17.3 at Rarotonga, Cook Islands; 5.7 at Suva, Fiji; 27.0 at Santa Cruz, Galapagos Islands; 10.0 at Honolulu, 18.6 at Kahului and 9.4 at Nawiliwili, Hawaii; 20.3 at Nuku Hiva and 14.5 at Hiva Oa, Marquesas Islands; 10.0 at Napier, New Zealand; 8.7 at Niue; 22.8 at Callao, Peru; 10.7 at Port-Vila, Vanuatu. Complex earthquake, with at least one larger event occurring about 4 seconds after the onset observed on broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms based on the first large event following the onset. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s215.00000°,δ65.00000°,λ120.00000°. NP2: ϕ_s341.00000°,δ38.00000°,λ43.00000°. Principal axes: T Plg59.0000°,Azm168.0000° ; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm284.0000° Moment Tensor Solution. M_o3.30000×10^{20}
AUST Error ellipse: s-maj=1.0km s-min=0.9km az=247.0.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 127 sta. Surface waves: sta=122, comp=295, per= 50. Moment Tensor Solution. s127,c327; s99,c334; Moment tensor: Scale 10^{20}Nm; M_{rr}3.28±.01 $M_{\theta\theta}$-0.20±.01; $M_{\phi\phi}$-3.09±.01; $M_{r\theta}$-0.25±.03; $M_{\theta\phi}$-1.15±.01; $M_{\phi r}$0.19±.03; Best double couple: NP1:ϕ_s205.00000°,δ44.00000°,λ98.00000°. NP2:ϕ_s14.00000°,δ46.00000°,λ82.00000°. Principal axes: T 3.3100,Plg85.0000°,Azm208.0000°; N 0.1800,Plg5.0000°,Azm19.0000° ; P -3.4900,Plg1.0000°,Azm109.0000° M_o3.40000×10^{20}

(174) Tonga Islands region

ISC	**III**	**19 19 27 02.9–.41**	**23.06S–.08**	**174.99W–.09**	**30**	**4.7b**	**152**	**6-170**
AUST	III	19 19 26 56.9	23.13S	174.21W	20	4.7b		¶15153278
IDC	III	19 19 26 58.2–.50	23.02S	174.97W	0	4.8,4.7		
ISCJB	III	19 19 27 00.8–.24	23.07S–.07	174.98W–.05	30	4.7b,4.7		
MOS	III	19 19 27 01.7–1.2	23.11S	175.06W	33	5.1b,4.7		
DJA	III	19 19 27 03.5–.90	23S–18	175W–14	10	6.3,6.3b		
NEIC	III	19 19 27 03.3–2.1	23.08S	174.98W	35–18	5.0b,6.3b		

ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=15.2km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=5.1km az=150.7.
MOS Error ellipse: s-maj=16.5km s-min=13.3km az=150.2.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.7km az=187.0.

(174) Tonga Islands region

ISC	**III**	**19 20 33 59.2–.44**	**23.11S–.06**	**174.62W–.05**	**34–1**	**5.7s,5.2b**	**548**	**6-169**
AUST	III	19 20 33 52.1–3.5	23.02S	174.27W	0–0	5.7s,5.2b		¶15153287
IDC	III	19 20 33 54.1–.39	23.10S	174.67W	0	5.1,5.0b		
MOS	III	19 20 33 57.9–1.9	23.12S	174.70W	33	5.1b,5.0b		
DJA	III	19 20 33 57.7–.60	23S–11	175W–11	10	6.9b,6.8		
ISCJB	III	19 20 33 57.9–.15	23.15S–.05	174.67W–.03	33	5.5s,5.2b		
NEIC	III	19 20 33 59.4–.23	23.09S	174.68W	35	5.3b,5.2b		

ISC Event type se.
AUST Error ellipse: s-maj=1.6km s-min=1.1km az=305.0.
IDC Error ellipse: s-maj=14.9km s-min=11.5km az=154.0.
MOS Error ellipse: s-maj=11.0km s-min=9.8km az=23.1.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.3km az=159.4.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.8km az=152.0.

(174) Tonga Islands region

ISC	**III**	**20 02 10 38.1–.55**	**22.88S–.08**	**174.68W–.07**	**33–2**	**4.8b,4.4s**	**472**	**6-170**
BJI	III	20 02 10 35.3	23.19S	174.14W	35	5.5b,5.2b		¶15153305
ISCJB	III	20 02 10 36.6–4.2	22.89S–.07	174.78W–.05	32–29	4.8b,4.5s		
SZGRF	III	20 02 10 37.7	23.08S	174.30W	33	4.8b,4.5s		
AUST	III	20 02 10 39.0–14	22.48S	174.08W	84–0	4.8b,4.5s		
NEIC	III	20 02 10 38.5–.18	22.85S	174.81W	35	4.9b,4.5s		
MOS	III	20 02 10 39.5–.92	22.80S	174.93W	53	5.0b,4.5s		
IDC	III	20 02 10 53.2–.64	22.96S	174.98W	164–4	4.4,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=7.4km az=158.0.
SZGRF Tonga Islands region.
AUST Error ellipse: s-maj=6.8km s-min=1.4km az=352.0.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=4.9km az=152.0. Felt at Nuku'alofa.
MOS Error ellipse: s-maj=12.3km s-min=11.6km az=147.3.
IDC Error ellipse: s-maj=19.4km s-min=12.8km az=153.0.

(221) Kuril Islands

ISC	**III**	**20 10 34 54.6–.41**	**46.76N–.06**	**152.71E–.04**	**52–3**	**4.6b,3.8s**	**735**	**4-154**
NIED	III	20 10 34 00	46.90N	153.00E	32	4.3W,3.8s		¶13436829
IDC	III	20 10 34 47.2–.44	46.86N	152.70E	0	4.6,4.6		
SKHL	III	20 10 34 50.8–.60	46.36N	153.39E	80–19	6.3s,5.1b		
JMA	III	20 10 34 51.2–.70	46.87N	153.02E	30	5.2,5.1b		
BJI	III	20 10 34 53.0	46.97N	152.89E	62	4.8b,4.8b		
ISCJB	III	20 10 34 53.4–.47	46.74N–.03	152.72E–.03	57–4	4.6b,3.7s		
MOS	III	20 10 34 55.0–.93	46.75N	152.67E	71	4.8b,3.7s		
NEIC	III	20 10 34 55.0–.19	46.82N	152.66E	54	4.7b,3.7s		
SZGRF	III	20 10 34 57.3	47.61N	153.19E	33	4.8b,3.7s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ87.00000°,λ-39.00000°. NP2:ϕ_s219.00000°,δ51.00000°,λ-177.00000°. M_o3.69000×10^{15}
IDC Error ellipse: s-maj=14.3km s-min=11.2km az=158.0.
JMA Error ellipse: s-maj=6.7km s-min=6.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=2.6km az=166.1.
MOS Error ellipse: s-maj=7.2km s-min=4.9km az=94.8.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.1km az=158.0.
SZGRF Kuril Islands, Russia.

(174) Tonga Islands region

ISC	**III**	**20 11 23 37.4–.25**	**23.03S–.05**	**175.15W–.05**	**35**	**5.3b,5.0s**	**954**	**6-170**
AUST	III	20 11 23 30.3–1.9	22.82S	174.82W	0–0	5.3b,5.0s		¶15153306
IDC	III	20 11 23 31.8–.38	22.88S	175.22W	0	5.1,5.1		
BJI	III	20 11 23 34.0	22.97S	174.51W	35	5.8b,5.4b		
GCMT	III	20 11 23 36.9–.20	23.06S	174.57W	16–0	5.4W,5.4b		
DJA	III	20 11 23 36.3–.50	23S–7.0	175W–8.0	10	6.2,6.1b		
ISCJB	III	20 11 23 36.1–.14	22.94S–.05	175.28W–.03	33	5.3b,5.0s		
SZGRF	III	20 11 23 37.9	22.65S	174.54W	33	5.3b,5.0s		
MOS	III	20 11 23 37.1–1.1	22.84S	175.39W	37	5.5b,5.0s		
NEIC	III	20 11 23 39.3–1.3	23.01S	175.31W	48–11	5.3b,5.0s		

ISC Event type se.
AUST Error ellipse: s-maj=1.2km s-min=0.8km az=304.0.
IDC Error ellipse: s-maj=15.0km s-min=12.9km az=148.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s64,c96; s99,c172; Moment tensor: Scale 10^{17}Nm; M_{rr}1.30±.04 $M_{\theta\theta}$-0.14±.02; $M_{\phi\phi}$-1.16±.02; $M_{r\theta}$0.43±.07; $M_{\theta\phi}$-0.46±.02; $M_{\phi r}$0.97±.07; Best double couple: NP1: ϕ_s199.00000°,δ26.00000°,λ86.00000°. NP2:ϕ_s23.00000°,δ64.00000°,λ92.00000°. Principal axes: T 1.6700,Plg71.0000°,Azm297.0000°; N 0.0300,Plg2.0000°,Azm202.0000° ; P -1.7100,Plg19.0000°,Azm112.0000° M_o1.70000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.1km az=157.1.
SZGRF Tonga Islands region.
MOS Error ellipse: s-maj=10.1km s-min=8.7km az=50.5.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.8km az=152.0.

(196) Irian Jaya region

ISC	**III**	**21 03 40 44.9–.37**	**0.48S–.04**	**133.09E–.05**	**32**	**4.6b,3.9s**	**134**	**3-130**
IDC	III	21 03 40 39.4–.69	0.40S	132.89E	0	4.6,4.4b		¶15153332
ISCJB	III	21 03 40 42.7–.27	0.42S–.03	133.08E–.04	32	4.5b,3.9s		
DJA	III	21 03 40 43.5–1.3	1S–4.0	133E–3.0	10	5.6b,5.0		
MOS	III	21 03 40 45.7–1.4	0.60S	132.63E	54	4.7b,5.0		
NEIC	III	21 03 40 46.9–2.0	0.46S	132.95E	55–19	4.5b,5.0		
BJI	III	21 03 40 48.2	0.06S	132.82E	35	5.0b,4.7s		
AUST	III	21 03 40 53.8	0.98S	133.00E	100	5.0b,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=13.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.8km az=167.5.
MOS Error ellipse: s-maj=18.8km s-min=8.1km az=117.9.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.3km az=48.0.

(742) Western Indian-Antarctic Ridge

ISC	**III**	**21 15 55 42.8–.55**	**48.70S–.08**	**126.5E–.20**	**13**	**4.6b,4.2s**	**42**	**17-149**
ISCJB	III	21 15 55 40.7–.48	48.75S–.06	126.5E–.20	13	4.5b,4.2s		¶12599194
GCMT	III	21 15 55 40.1–.30	48.82S	126.80E	12	5.0W,4.2s		
IDC	III	21 15 55 41.3–.70	48.68S	126.41E	0	4.4,4.3		
NEIC	III	21 15 55 42.1–.45	48.73S	126.56E	10	4.8b,4.3		
DJA	III	21 15 55 47.3–.30	49S–5.0	126E–8.0	10	5.6b,5.1		

ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s23,c29; s65,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.24±.09 $M_{\theta\theta}$3.10±.08; $M_{\phi\phi}$0.14±.10; $M_{r\theta}$-1.37±.30; $M_{\theta\phi}$-0.29±.08; $M_{\phi r}$-1.96±.36; Best double couple: NP1:ϕ_s294.00000°,δ38.00000°,λ-52.00000°. NP2:ϕ_s69.00000°,δ61.00000°,λ-116.00000°. Principal axes: T 3.3900,Plg12.0000° ,Azm177.0000°; N 1.0000,Plg23.0000°,Azm82.0000°; P -4.3900,Plg64.0000°,Azm294.0000° M_o3.90000×10^{16}
NEIC Event type se.

(174) Tonga Islands region

ISC	**III**	**21 17 38 40.0–.53**	**23.54S–.06**	**175.15W–.08**	**33–1**	**4.8b,4.2s**	**137**	**7-169**
IDC	III	21 17 38 35.0–.66	23.15S	175.29W	0	4.5,4.4		¶15153334
MOS	III	21 17 38 38.6–1.7	23.50S	175.33W	33	5.0b,4.4		
ISCJB	III	21 17 38 38.1–.48	23.48S–.07	175.25W–.09	34	4.7b,4.2s		
NEIC	III	21 17 38 39.9–.44	23.43S	175.26W	35	5.0b,4.2s		
BJI	III	21 17 38 39.0	23.27S	175.09W	25	5.5b,5.3s		
AUST	III	21 17 38 41.1	22.69S	174.81W	60	5.5b,5.3s		

ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=17.2km az=144.0.
MOS Error ellipse: s-maj=17.8km s-min=12.8km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=9.5km az=32.7.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=11.6km az=136.0.

(238) Ryukyu Islands

ISC	**III**	**21 19 58 18.1–.44**	**26.05N–.03**	**128.58E–.03**	**16–1**	**4.5b,3.9s**	**278**	**1-89**
NIED	III	21 19 58 00	26.10N	128.60E	20	4.5W,3.9s		¶13436964
BJI	III	21 19 58 14.5	25.98N	128.52E	6	4.7b,4.4s		
IDC	III	21 19 58 15.9–.53	26.10N	128.49E	0	4.3,4.3b		
ISCJB	III	21 19 58 17.1–.71	26.01N–.03	128.56E–.03	24–4	4.5b,4.0s		
NEIC	III	21 19 58 17.2–1.5	26.02N	128.41E	11–8	4.6b,4.5W		
MOS	III	21 19 58 17.1–1.1	26.06N	128.49E	21	4.7b,4.5W		
JMA	III	21 19 58 18.6–.20	26.05N	128.63E	48	4.3,4.5W		
DJA	III	21 19 58 24.7–.90	27N–9.0	128E–15	10	5.6b,5.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ60.00000°,λ99.00000°. NP2:ϕ_s205.00000°,δ31.00000°,λ76.00000°. M_o6.11000×10^{15}
ISCJB Event type fe.
NEIC Event type fe. Felt on Okinawa. Recorded [1 JMA] on Okinawa. Moment Tensor Solution. M_o6.10000×10^{15}
JMA Event type fe.

(429) Mid-Indian Ridge

ISC	**III**	**21 23 22 40.8–.47**	**14.52S–.06**	**66.02E–.06**	**16–2**	**5.0b,4.3s**	**683**	**14-162**
BJI	III	21 23 22 32.8	14.83S	65.42E	5	5.1b,4.8s		¶12054526
ISCJB	III	21 23 22 38.6–1.9	14.50S–.05	66.11E–.04	12–12	4.9b,4.3s		
IDC	III	21 23 22 38.1–.44	14.51S	66.16E	0	4.6b,4.6		
MOS	III	21 23 22 38.7–.85	14.36S	66.14E	10	5.3b,4.6		
NEIC	III	21 23 22 39.9–.15	14.51S	66.10E	10	5.1b,4.6		
GCMT	III	21 23 22 40.0–.20	14.49S	66.05E	12	5.0W,4.6		
TEH	III	21 23 22 40.0	14.49S	66.12E	10	4.9L,4.6		
SZGRF	III	21 23 22 44.4	14.69S	64.94E	33	4.9b,4.6		
DJA	III	21 23 23 02.9–1.8	14S–8.0	66E–5.0	202–19	5.5b,5.0		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s29,c35; s76,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.23±.09 $M_{\theta\theta}$1.17±.10; $M_{\phi\phi}$2.06±.09; $M_{r\theta}$0.67±.35; $M_{\theta\phi}$-1.31±.07; $M_{\phi r}$1.58±.34; Best double couple: NP1:ϕ_s308.00000°,δ40.00000°,λ-120.00000°. NP2:ϕ_s165.00000°,δ57.00000°,λ-67.00000°. Principal axes: T 3.1400,Plg9.0000° ,Azm239.0000°; N 0.7300,Plg19.0000°,Azm332.0000°; P -3.8700,Plg69.0000° ,Azm124.0000° M_o3.50000×10^{16}
SZGRF Mid-Indian Ridge.

(174) Tonga Islands region

ISC	**III**	**22 01 54 48.1–.49**	**23.02S–.08**	**174.75W–.07**	**34–1**	**4.8b,4.1s**	**539**	**6-170**
IDC	III	22 01 54 42.4–.56	22.93S	174.67W	0	4.8,4.7		¶15153357
SZGRF	III	22 01 54 43.3	24.60S	172.29W	33	4.8,4.7		
ISCJB	III	22 01 54 47.1–.19	23.02S–.07	174.76W–.05	37	4.8b,4.1s		
BJI	III	22 01 54 47.2	23.21S	175.08W	34	5.5b,5.3s		
MOS	III	22 01 54 48.3–1.4	22.78S	174.83W	41	4.9b,5.3s		
AUST	III	22 01 54 48.2–5.6	22.58S	174.03W	78–0	4.9b,5.3s		
NEIC	III	22 01 54 48.2–.18	22.91S	174.78W	35	4.8b,5.3s		

ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=15.9km az=135.0.
SZGRF South of Tonga Islands.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.9km az=152.0.
MOS Error ellipse: s-maj=16.1km s-min=10.8km az=140.3.
AUST Error ellipse: s-maj=4.0km s-min=1.4km az=349.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.7km az=144.0.

(196) Irian Jaya region

ISC	**III**	**22 05 14 13.4–.34**	**0.41S–.04**	**132.30E–.06**	**33**	**4.8b,3.8s**	**188**	**1-154**
BJI	III	22 05 14 06.4	1.00S	132.68E	40	5.0b,4.8b		¶15153358
IDC	III	22 05 14 08.5–.55	0.31S	132.22E	0	4.7,4.6		
MOS	III	22 05 14 10.3–.85	0.34S	132.20E	26	4.9b,4.6		
AUST	III	22 05 14 10.3–1.5	0.44S	132.29E	14–0	4.9b,4.6		
ISCJB	III	22 05 14 11.4–.24	0.34S–.03	132.31E–.04	33	4.7b,3.9s		
NEIC	III	22 05 14 13.6–.24	0.37S	132.24E	35	4.7b,3.9s		
DJA	III	22 05 14 15.1–.60	1S–6.0	132E–5.0	5	5.5b,4.9		

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

(410) Southern Mid-Atlantic Ridge

ISC	**III**	**22 05 52 29.1–.33**	**12.96S–.08**	**14.60W–.07**	**16**	**5.1b,4.3s**	**410**	**21-146**
MOS	III	22 05 52 26.9–.71	12.82S	14.59W	10	5.4b,4.3s		¶13436992
BJI	III	22 05 52 26.5	13.00S	14.41W	6	5.7b,5.2s		
IDC	III	22 05 52 26.6–.53	12.98S	14.59W	0	4.5,4.4		
ISCJB	III	22 05 52 27.9–.25	12.89S–.05	14.48W–.04	16	5.0b,4.3s		
NEIC	III	22 05 52 28.4–.17	12.93S	14.59W	10	5.1b,4.3s		
SZGRF	III	22 05 52 47.0	10.74S	12.59W	33	5.3b,4.5s		

ISC Event type se.
MOS Error ellipse: s-maj=13.8km s-min=4.9km az=72.0.
IDC Error ellipse: s-maj=18.9km s-min=13.1km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=145.6.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.7km az=137.0.
SZGRF Ascension Island region.

(410) Southern Mid-Atlantic Ridge

ISC	**III**	**22 08 02 27.3–.40**	**12.77S–.10**	**14.57W–.10**	**16**	**4.8b,4.4s**	**187**	**21-146**
BJI	III	22 08 02 24.3	12.80S	14.50W	10	5.5b,5.3s		**¶12054555**
ISCJB	III	22 08 02 25.9–.38	12.77S–.08	14.57W–.09	16	4.6b,4.4s		
MOS	III	22 08 02 25.2–.77	12.71S	14.65W	10	5.0b,4.3s		
IDC	III	22 08 02 25.1–.59	12.79S	14.62W	0	4.3s,4.3		
NEIC	III	22 08 02 26.7–.28	12.87S	14.56W	10	4.8b,4.3		
SZGRF	III	22 08 02 31.0	12.40S	14.47W	33	5.0b,4.4s		
GCMT	III	22 08 02 31.3–.20	12.72S	14.65W	19–0	5.1W,4.4s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=7.4km az=39.8.
MOS Error ellipse: s-maj=23.0km s-min=6.5km az=70.8.
IDC Error ellipse: s-maj=26.8km s-min=13.2km az=134.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.0km az=128.0.
SZGRF Southern Mid-Atlantic Ridge.
GCMT Event type se. Data Used: IU IC G II. Moment Tensor Solution. s18,c22; s80,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.56±.31 $M_{\theta\theta}$0.86±.17; $M_{\phi\phi}$4.70±.20; $M_{r\theta}$1.25±.47; $M_{\theta\phi}$-1.01±.09; $M_{\phi r}$-0.05±.37; Best double couple: NP1:ϕ_s176.00000°,δ44.00000°,λ-75.00000°. NP2:ϕ_s335.00000°,δ48.00000°,λ-104.00000°. Principal axes: T 4.9600,Plg2.0000° ,Azm76.0000°; N 0.8400,Plg11.0000°,Azm345.0000°; P -5.8000,Plg79.0000°,Azm176.0000° M_o5.40000×10^{16}

(174) Tonga Islands region

ISC	**III**	**22 11 48 29.1–.38**	**22.91S–.08**	**174.83W–.09**	**39–6**	**4.5b,4.3s**	**345**	**8-170**
IDC	III	22 11 48 22.7–.53	22.66S	175.06W	0	4.6,4.5		**¶12054558**
ISCJB	III	22 11 48 25.3–5.0	22.80S–.07	175.02W–.06	19–35	4.6b,4.2s		
NEIC	III	22 11 48 28.6–.25	22.65S	175.12W	35	4.6b,4.2s		
BJI	III	22 11 48 28.3	22.88S	174.90W	38	5.5b,5.1b		

ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=15.9km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=9.2km az=151.5.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.7km az=134.0.

(410) Southern Mid-Atlantic Ridge

ISC	**III**	**22 12 54 52.3–.33**	**12.77S–.07**	**14.69W–.07**	**16**	**5.2b,4.3s**	**440**	**21-146**
IDC	III	22 12 54 50.0–.48	12.72S	14.67W	0	4.5,4.5		**¶13567804**
MOS	III	22 12 54 50.1–.63	12.54S	14.79W	10	5.4b,4.6s		
NEIC	III	22 12 54 51.4–.17	12.74S	14.69W	10	5.3b,4.6s		
ISCJB	III	22 12 54 51.1–.26	12.62S–.05	14.61W–.04	16	5.0b,4.4s		
BJI	III	22 12 54 52.8	13.20S	14.15W	27	5.5s,5.5b		
GCMT	III	22 12 54 53.1–.30	12.78S	14.63W	22–0	5.0W,5.5b		
SZGRF	III	22 12 55 03.8	11.61S	12.66W	33	5.3b,4.4s		

ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=11.6km az=155.0.
MOS Error ellipse: s-maj=13.5km s-min=4.5km az=70.6.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.7km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.8km az=145.1.
GCMT Event type se. Data Used: II IC IU G. Moment Tensor Solution. s21,c23; s84,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.13±.28 $M_{\theta\theta}$1.09±.16; $M_{\phi\phi}$4.04±.19; $M_{r\theta}$0.42±.31; $M_{\theta\phi}$0.00±.11; $M_{\phi r}$-0.34±.28; Best double couple: NP1:ϕ_s184.00000°,δ43.00000°,λ-84.00000°. NP2:ϕ_s356.00000°,δ47.00000°,λ-95.00000°. Principal axes: T 4.0500,Plg2.0000° ,Azm90.0000°; N 1.1200,Plg4.0000°,Azm360.0000°; P -5.1700,Plg86.0000°,Azm209.0000° M_o4.60000×10^{16}
SZGRF Ascension Island region.

(705) Off west coast of northern Sumatera

ISC	**III**	**22 19 18 56.4–.75**	**2.70N–.07**	**95.50E–.09**	**25**	**4.4b**	**78**	**2-143**
DJA	III	22 19 18 54.3–.80	3N–5.0	95E–9.0	10	5.7b,5.2		**¶12612726**
ISCJB	III	22 19 18 55.1–.52	2.67N–.06	95.55E–.05	25	4.4b,5.2		
BJI	III	22 19 18 59.0	3.40N	95.64E	15	5.0b,4.8s		
IDC	III	22 19 19 01.4–4.6	2.82N	95.85E	56–39	4.1L,4.0b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=4.6km az=40.9.
IDC Error ellipse: s-maj=40.5km s-min=12.0km az=53.0.

(192) New Britain region

ISC	**III**	**22 19 34 21.3–.35**	**5.41S–.04**	**151.80E–.05**	**52–2**	**5.0b,4.8s**	**579**	**6-157**
ISCJB	III	22 19 34 16.5–1.2	5.38S–.03	151.75E–.03	28–8	5.0b,4.8s		**¶15153376**
IDC	III	22 19 34 18.6–2.0	5.36S	151.71E	29–13	4.8,4.8		
BJI	III	22 19 34 18.1	5.58S	151.95E	57	5.3b,5.1s		
MOS	III	22 19 34 18.4–1.2	5.22S	151.57E	33	5.4b,4.9s		
DJA	III	22 19 34 18.1–.50	5S–4.0	152E–7.0	20	5.7b,5.2		
NEIC	III	22 19 34 20.4–.18	5.32S	151.74E	48	5.1b,5.2		
GCMT	III	22 19 34 24.8–.10	5.68S	151.78E	38–0	5.4W,5.2		
AUST	III	22 19 34 27.6–.98	5.59S	151.52E	98–0	5.4W,5.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=148.3.
IDC Error ellipse: s-maj=14.3km s-min=9.1km az=118.0.
MOS Error ellipse: s-maj=10.2km s-min=6.7km az=95.6.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=108.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s82,c152; s88,c161; Moment tensor: Scale 10^{17}Nm; M_{rr}1.06±.03 $M_{\theta\theta}$-1.18±.02; $M_{\phi\phi}$0.13±.02; $M_{r\theta}$0.51±.02; $M_{\theta\phi}$-0.62±.02; $M_{\phi r}$-0.03±.02; Best double couple: NP1:ϕ_s232.00000°,δ37.00000°,λ66.00000°. NP2:ϕ_s82.00000°,δ57.00000°,λ107.00000°. Principal axes: T 1.2000,Plg72.0000° ,Azm34.0000°; N 0.3200,Plg14.0000°,Azm252.0000°; P -1.5100,Plg10.0000°,Azm159.0000° M_o1.40000×10^{17}
AUST Error ellipse: s-maj=1.4km s-min=0.9km az=241.0.

(263) Talaud Islands

ISC	**III**	**22 23 36 12.9–.50**	**3.71N–.06**	**126.74E–.10**	**48**	**4.4b**	**63**	**4-123**
AUST	III	22 23 36 06.0–5.1	3.51N	126.47E	0–0	4.4b		**¶15153362**
IDC	III	22 23 36 06.3–.76	3.57N	126.51E	0	4.3,4.2b		
ISCJB	III	22 23 36 10.9–.33	3.69N–.05	126.75E–.08	48	4.4b,4.2b		
BJI	III	22 23 36 10.7	3.45N	126.70E	47	5.0b,4.7b		
NEIC	III	22 23 36 10.6–1.3	3.85N	127.22E	37–11	4.5b,4.7b		

ISC Event type se.
AUST Error ellipse: s-maj=1.6km s-min=1.1km az=287.0.
IDC Error ellipse: s-maj=49.9km s-min=13.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.5km az=155.9.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=5.8km az=71.0.

(421) Carlsberg Ridge

ISC	**III**	**23 04 28 22.7–.37**	**9.80N–.04**	**57.88E–.04**	**15–1**	**5.1s,5.0b**	**701**	**9-162**
BJI	III	23 04 28 14.7	9.24N	57.43E	10	5.5b,5.3s		**¶12791302**
SZGRF	III	23 04 28 18.7	9.69N	58.89E	33	5.3b,4.5s		
IDC	III	23 04 28 20.4–.41	9.74N	57.98E	0	4.9s,4.9		
MOS	III	23 04 28 20.0–1.4	9.81N	57.77E	10	5.3b,4.8s		
ISCJB	III	23 04 28 21.7–.85	9.71N–.03	57.78E–.02	23–6	5.0s,4.9b		
GCMT	III	23 04 28 21.4–.10	9.69N	57.76E	12	5.5W,4.9b		
NEIC	III	23 04 28 21.8–.27	9.80N	57.82E	10	5.5W,5.2s		
TEH	III	23 04 28 22.0	9.82N	57.87E	10	5.2L,5.2s		
CSEM	III	23 04 28 26.9–.35	9.78N	57.78E	47–2	5.5W,5.0b		

ISC Event type ke.
SZGRF Carlsberg Ridge.
IDC Error ellipse: s-maj=11.4km s-min=10.9km az=105.0.
MOS Error ellipse: s-maj=7.1km s-min=3.9km az=105.4.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=10.6.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=105, comp=217, per= 50. Moment Tensor Solution. s85,c142; s41,c42; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.99±.03 $M_{\theta\theta}$1.85±.03; $M_{\phi\phi}$0.14±.03; $M_{r\theta}$0.97±.08; $M_{\theta\phi}$-0.98±.03; $M_{\phi r}$-0.29±.08; Best double couple: NP1:ϕ_s119.00000°,δ33.00000°,λ-83.00000°. NP2:ϕ_s291.00000°,δ58.00000°,λ-95.00000°. Principal axes: T 2.5200,Plg13.0000°,Azm24.0000°; N -0.2900,Plg4.0000°,Azm293.0000° ; P -2.2200,Plg77.0000°,Azm186.0000° M_o2.40000×10^{17}
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=6.0km az=211.0. Moment Tensor Solution. s49 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.50 $M_{\theta\theta}$1.52 $M_{\phi\phi}$-0.02 $M_{r\theta}$1.43 $M_{\theta\phi}$-0.60 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s114.00000°,δ24.00000°,λ-81.00000°. NP2:ϕ_s285.00000° ,δ66.00000°,λ-94.00000°. Principal axes: T 2.2900,Plg21.0000°,Azm17.0000° ; N -0.2200,Plg3.0000°,Azm286.0000°; P -2.0700,Plg68.0000°,Azm186.0000° M_o2.20000×10^{17}
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=6.3km az=63.0.

(174) Tonga Islands region

ISC	**III**	**23 04 43 34.2–.43**	**22.88S–.06**	**175.21W–.06**	**34–1**	**5.3b,4.6s**	**594**	**6-170**
AUST	III	23 04 43 26.0–8.5	22.39S	174.79W	0–0	5.3b,4.6s		**¶15153382**
IDC	III	23 04 43 28.9–.44	22.80S	175.22W	0	5.0,5.0		
SZGRF	III	23 04 43 32.9	22.83S	173.21W	33	5.0,5.0		
ISCJB	III	23 04 43 32.7–.15	22.88S–.05	175.23W–.04	34	5.2b,4.6s		
MOS	III	23 04 43 32.7–1.5	22.73S	175.33W	29	5.3b,4.6s		
BJI	III	23 04 43 33.3	22.65S	175.02W	37	5.4s,5.4b		
GCMT	III	23 04 43 33.2–.40	23.02S	174.53W	22–1	5.1W,5.4b		
NEIC	III	23 04 43 34.5–2.4	22.82S	175.25W	36–20	5.2b,5.4b		

ISC Event type se.
AUST Error ellipse: s-maj=1.9km s-min=1.4km az=298.0.
IDC Error ellipse: s-maj=16.2km s-min=13.9km az=119.0.
SZGRF Tonga Islands region.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.6km az=152.7.
MOS Error ellipse: s-maj=12.0km s-min=11.1km az=49.2.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s29,c33; s57,c77; Moment tensor: Scale 10^{16}Nm; M_{rr}4.12±.31 $M_{\theta\theta}$-1.46±.20; $M_{\phi\phi}$-2.65±.19; $M_{r\theta}$1.65±.32; $M_{\theta\phi}$-2.16±.11; $M_{\phi r}$2.52±.29; Best double couple: NP1:ϕ_s220.00000°,δ27.00000°,λ94.00000°. NP2:ϕ_s35.00000°,δ63.00000°,λ88.00000°. Principal axes: T 5.0900,Plg72.0000° ,Azm300.0000°; N 0.1800,Plg2.0000°,Azm36.0000°; P -5.2600,Plg18.0000°,Azm127.0000° M_o5.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.7km az=155.0.

(212) Bonin Islands region

ISC	**III**	**23 11 14 13.5–.33**	**27.56N–.05**	**140.61E–.04**	**23–1**	**4.6b,3.8s**	**229**	**1-151**
NIED	III	23 11 14 00	27.60N	141.10E	14	4.4W,3.8s		**¶12055820**
ISCJB	III	23 11 14 09.5–1.3	27.54N–.04	140.52E–.04	6–8	4.6b,3.8s		
MOS	III	23 11 14 12.8–1.0	27.55N	140.48E	31	4.6b,3.8s		
NEIC	III	23 11 14 13.7–.22	27.52N	140.52E	23	4.8b,4.4W		
IDC	III	23 11 14 13.6–.39	27.59N	140.62E	24–2	4.3,4.2		
BJI	III	23 11 14 13.0	27.60N	140.40E	20	4.8b,4.6s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ67.00000°,λ-77.00000°. NP2:ϕ_s316.00000°,δ26.00000°,λ-118.00000°. M_o5.16000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.7km az=28.7.
MOS Error ellipse: s-maj=12.8km s-min=7.0km az=103.1.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=46.0. Moment Tensor Solution. M_o5.20000×10^{15}
IDC Error ellipse: s-maj=11.6km s-min=11.3km az=72.0.

(710) Pakistan

ISC	**III**	**23 14 31 01.9–.45**	**31.49N–.05**	**70.04E–.05**	**10**	**4.2b,3.7s**	**129**	**2-86**
ISCJB	III	23 14 30 59.5–.32	31.46N–.03	70.09E–.04	10	4.1b,3.6s		**¶12612740**
IDC	III	23 14 31 00.3–.60	31.44N	69.99E	0	4.3,4.3L		
NEIC	III	23 14 31 01.7–4.9	31.46N	70.03E	9–30	4.4b,4.3L		
NNC	III	23 14 31 03.5–4.1	31.72N	69.96E	0	4.1b,4.3L		
MOS	III	23 14 31 04.2–1.4	31.59N	70.11E	39	4.4b,4.3L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.7km az=39.1.
IDC Error ellipse: s-maj=15.1km s-min=12.2km az=19.0.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=6.5km az=208.0. Felt in the Kolachi area.
NNC Error ellipse: s-maj=51.2km s-min=42.2km az=166.0.
MOS Error ellipse: s-maj=10.8km s-min=5.7km az=87.7.

(212) Bonin Islands region

ISC	**III**	**23 15 23 29.9–.49**	**27.60N–.04**	**140.53E–.05**	**28–3**	**4.8b,3.8s**	**470**	**2-151**
NIED	III	23 15 23 00	27.70N	142.30E	20	4.6W,3.8s		**¶13437115**
NEIC	III	23 15 23 29.8–.23	27.50N	140.49E	24	4.9b,4.6W		
JMA	III	23 15 23 29.0–.10	27.70N	142.30E	174	3.7,4.6W		
IDC	III	23 15 23 29.6–.43	27.63N	140.53E	24–2	4.6,4.5		
ISCJB	III	23 15 23 30.8–1.3	27.57N–.03	140.38E–.03	33–8	4.7b,3.8s		
MOS	III	23 15 23 30.7–1.1	27.49N	140.45E	48	4.9b,3.8s		
BJI	III	23 15 23 35.0	27.71N	140.44E	77	4.9b,4.7b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s130.00000°,δ86.00000°,λ61.00000°. NP2:ϕ_s32.00000°,δ30.00000°,λ171.00000°. M_o8.97000×10^{15}
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.9km az=194.0. Moment Tensor Solution. M_o9.00000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=6.9km az=-1.0.
IDC Error ellipse: s-maj=14.2km s-min=11.3km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=4.9.
MOS Error ellipse: s-maj=11.0km s-min=5.6km az=110.0.

(706) Northern Sumatera

ISC	**III**	**24 04 35 43.6–.40**	**5.22N–.04**	**94.31E–.04**	**40–2**	**5.2b,4.4s**	**839**	**3-160**
IDC	III	24 04 35 37.8–.36	5.30N	94.28E	0	5.0,4.9		**¶15153396**
SZGRF	III	24 04 35 38.6	3.90N	94.11E	33	5.3b,4.9		
MOS	III	24 04 35 41.5–.87	5.36N	94.35E	34	5.5b,4.6s		
BJI	III	24 04 35 42.4	5.13N	94.27E	56	5.2b,5.0b		
ISCJB	III	24 04 35 42.2–.51	5.21N–.03	94.31E–.02	43–4	5.2b,4.4s		
AUST	III	24 04 35 42.1–2.7	5.22N	94.27E	27–0	5.2b,4.4s		
GCMT	III	24 04 35 44.8–.30	5.10N	94.11E	36–0	5.0W,4.4s		
DJA	III	24 04 35 44.9–.60	5N–4.0	94E–6.0	61–7	5.4b,5.3		
NEIC	III	24 04 35 45.8–.64	5.26N	94.31E	59–5	5.2b,5.3		

ISC Event type fe.
IDC Error ellipse: s-maj=11.4km s-min=9.4km az=32.0.
SZGRF Off west coast of northern Sumatera, Indonesia.
MOS Error ellipse: s-maj=8.4km s-min=4.0km az=121.7.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.4km az=31.9.
AUST Error ellipse: s-maj=1.8km s-min=0.9km az=230.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s46,c59; s68,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}4.27±.19 $M_{\theta\theta}$-1.39±.13; $M_{\phi\phi}$-2.88±.16; $M_{r\theta}$1.95±.13; $M_{\theta\phi}$1.95±.10; $M_{\phi r}$-0.75±.15; Best double couple: NP1:ϕ_s338.00000°,δ35.00000°,λ112.00000°. NP2:ϕ_s132.00000°,δ58.00000°,λ75.00000°. Principal axes: T 4.8800,Plg73.0000° ,Azm4.0000°; N -0.3100,Plg12.0000°,Azm140.0000°; P -4.5700,Plg11.0000°,Azm232.0000° M_o4.70000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.1km az=223.0. Felt at Banda Aceh.

(403) Northern Mid-Atlantic Ridge

ISC	**III**	**24 12 34 56.0–.44**	**14.50N–.06**	**45.06W–.04**	**22–3**	**5.2b,4.6s**	**805**	**16-175**
BGS	III	24 12 34 46.2–2.1	13.30N	45.09W	10	5.3b,4.6s		**¶12791322**
IDC	III	24 12 34 52.0–.39	14.49N	45.02W	0	4.7,4.7		
MOS	III	24 12 34 52.7–.88	14.55N	45.07W	10	5.5b,4.5s		
BJI	III	24 12 34 53.9	14.50N	45.10W	10	5.7b,5.3s		
ISCJB	III	24 12 34 53.9–.20	14.53N–.04	45.11W–.02	20	5.1b,4.6s		
SZGRF	III	24 12 34 53.8	13.03N	44.06W	33	5.4b,4.3s		
NEIC	III	24 12 34 54.4–.19	14.47N	45.07W	10	5.3b,4.3s		
IGIL	III	24 12 34 54.9	14.66N	45.08W	10	5.2b,4.3s		
GCMT	III	24 12 34 57.6–.20	14.62N	44.95W	12	5.2W,4.3s		

ISC Event type se.
BGS Error ellipse: s-maj=999.9km s-min=675.8km az=-1.0.
IDC Error ellipse: s-maj=13.3km s-min=10.6km az=124.0.
MOS Error ellipse: s-maj=7.1km s-min=4.4km az=49.4.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.4km az=171.8.
SZGRF Northern Mid-Atlantic Ridge.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.4km az=168.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s46,c57; s95,c175; Moment tensor: Scale 10^{16}Nm; M_{rr}-9.49±.16 $M_{\theta\theta}$0.87±.15; $M_{\phi\phi}$8.62±.13; $M_{r\theta}$1.62±.75; $M_{\theta\phi}$0.22±.14; $M_{\phi r}$-0.54±.48; Best double couple: NP1:ϕ_s190.00000°,δ44.00000°,λ-77.00000°. NP2:ϕ_s353.00000°,δ47.00000°,λ-102.00000°. Principal axes: T 8.6400,Plg2.0000° ,Azm91.0000°; N 1.1100,Plg9.0000°,Azm1.0000°; P -9.7500,Plg81.0000°,Azm191.0000° M_o9.20000×10^{16}

(192) New Britain region

ISC	**III**	**24 23 28 28.4–.15**	**5.22S–.03**	**151.87E–.03**	**49**	**5.6b,5.4s**	**1633**	**6-169**
BJI	III	24 23 28 22.7	5.32S	152.57E	42	5.6b,5.5s		**¶15153412**
MOS	III	24 23 28 26.3–.83	5.07S	151.82E	35	5.8b,5.3s		
ISCJB	III	24 23 28 27.1–.10	5.18S–.02	151.81E–.02	44	5.6b,5.3s		
NEIC	III	24 23 28 28.1–.08	5.14S	151.82E	43	5.8W,5.8W		
IDC	III	24 23 28 30.0–1.1	5.18S	151.80E	60–9	5.3,5.3		
AUST	III	24 23 28 29.2	5.18S	152.10E	60	5.3,5.3		
DJA	III	24 23 28 32.4–.50	5S–3.0	152E–3.0	82–5	6.4,6.1b		
GCMT	III	24 23 28 32.7–.10	5.45S	151.99E	46–0	5.8W,6.1b		

ISC Event type fe.
MOS Error ellipse: s-maj=6.6km s-min=5.3km az=91.1.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=163.9.

NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.8km az=141.0. Felt at Kokopo. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}6.58 $M_{\theta\theta}$-6.78 $M_{\phi\phi}$0.19 $M_{r\theta}$2.11 $M_{\theta\phi}$-1.44 $M_{\phi r}$0.63 Best double couple: NP1:ϕ_s77.00000° ,δ54.00000°,λ88.00000°. NP2:ϕ_s261.00000°,δ36.00000°,λ93.00000°. Principal axes: T 6.9300,Plg80.0000°,Azm336.0000°; N 0.4700,Plg1.0000°,Azm78.0000° ; P -7.4100,Plg8.0000°,Azm168.0000° M_o7.20000×10^{17}

IDC Error ellipse: s-maj=8.7km s-min=7.2km az=85.0.

GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=100, comp=213, per= 50. Moment Tensor Solution. s106,c215; s64,c82; Moment tensor: Scale 10^{17}Nm; M_{rr}5.52±.06 $M_{\theta\theta}$-5.90±.04; $M_{\phi\phi}$0.39±.05; $M_{r\theta}$1.44±.05; $M_{\theta\phi}$-1.83±.04; $M_{\phi r}$-0.72±.05; Best double couple: NP1:ϕ_s243.00000°,δ41.00000°,λ72.00000°. NP2:ϕ_s86.00000°,δ52.00000°,λ105.00000°. Principal axes: T 5.8700,Plg77.0000°,Azm50.0000°; N 0.6600,Plg12.0000°,Azm257.0000° ; P -6.5200,Plg6.0000°,Azm166.0000° M_o6.20000×10^{17}

(174) Tonga Islands region

ISC	**III**	**25 06 31 35.3–.25**	**17.09S–.05**	**171.96W–.05**	**34**	**5.1b,4.5s**	**797**	**3-173**
IDC	III	25 06 31 30.2–.43	17.11S	172.02W	0	4.8,4.8		¶12058111
ISCJB	III	25 06 31 34.0–.15	17.16S–.04	172.02W–.04	32	5.0b,4.5s		
BJI	III	25 06 31 33.4	17.10S	172.00W	29	5.5b,5.3b		
NEIC	III	25 06 31 35.1–.35	17.09S	172.07W	30–2	5.1b,5.3b		
MOS	III	25 06 31 35.5–1.3	17.05S	172.07W	40	5.4b,4.3s		
SZGRF	III	25 06 31 38.9	16.31S	172.28W	36	4.9b,4.3s		
GCMT	III	25 06 31 38.0–.20	17.26S	171.79W	46–0	5.2W,4.3s		
DJA	III	25 06 31 42.8–2.8	18S–13	172W–8.0	15–22	5.9b,5.6		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

SZGRF Samoa Islands region.

GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s74,c112; s58,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}7.89±.20 $M_{\theta\theta}$-3.17±.21; $M_{\phi\phi}$-4.72±.21; $M_{r\theta}$0.06±.15; $M_{\theta\phi}$3.21±.11; $M_{\phi r}$-2.14±.15; Best double couple: NP1:ϕ_s314.00000°,δ39.00000°,λ77.00000°. NP2:ϕ_s150.00000°,δ52.00000°,λ100.00000°. Principal axes: T 8.2600,Plg80.0000° ,Azm104.0000°; N -0.8200,Plg8.0000°,Azm324.0000°; P -7.4400,Plg6.0000°,Azm233.0000° M_o7.90000×10^{16}

(177) Kermadec Islands region

ISC	**III**	**25 13 40 53.0–.43**	**27.12S–.07**	**176.16W–.08**	**31**	**4.5b,3.9s**	**86**	**3-166**
IDC	III	25 13 40 48.7–.55	27.12S	176.32W	0	4.6,4.6		¶15153417
ISCJB	III	25 13 40 51.7–.42	27.07S–.06	176.28W–.08	31	4.5b,3.9s		
AUST	III	25 13 40 52.5	27.18S	174.79W	100	4.5b,3.9s		
NEIC	III	25 13 40 52.8–2.6	27.09S	176.30W	26–17	4.9b,3.9s		

ISC Event type se.

IDC Error ellipse: s-maj=19.7km s-min=17.0km az=128.0.

ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.3km az=40.8.

NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.7km az=109.0.

(174) Tonga Islands region

ISC	**III**	**25 21 45 59.9–.63**	**23.68S–.06**	**175.63W–.06**	**53–4**	**5.2s,5.1b**	**534**	**8-179**
IDC	III	25 21 45 52.1–.48	23.53S	175.62W	0	5.1,5.0s		¶12060997
BJI	III	25 21 45 52.4	23.15S	175.51W	3	5.9b,5.4s		
ISCJB	III	25 21 45 55.9–2.4	23.67S–.05	175.64W–.04	32–16	5.2s,5.1b		
GCMT	III	25 21 45 57.1–.10	23.76S	174.98W	17–0	5.5W,5.1b		
MOS	III	25 21 45 57.0–1.7	23.51S	175.76W	33	5.4s,5.4b		
SZGRF	III	25 21 45 58.5	22.86S	173.51W	33	5.6b,5.4b		
NEIC	III	25 21 46 00.8–1.6	23.67S	175.78W	59–14	5.1b,5.4b		

ISC Event type se.

IDC Error ellipse: s-maj=18.0km s-min=16.0km az=121.0.

ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.7km az=170.8.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 113 sta. Moment Tensor Solution. s78,c140; s99,c212; Moment tensor: Scale 10^{17}Nm; M_{rr}1.40±.03 $M_{\theta\theta}$-0.32±.02; $M_{\phi\phi}$-1.08±.02; $M_{r\theta}$0.60±.05; $M_{\theta\phi}$-0.56±.01; $M_{\phi r}$1.33±.06; Best double couple: NP1: ϕ_s210.00000°,δ22.00000°,λ95.00000°. NP2:ϕ_s25.00000°,δ68.00000°,λ88.00000°. Principal axes: T 2.0300,Plg67.0000°,Azm292.0000°; N -0.0300,Plg2.0000°,Azm26.0000° ; P -2.0000,Plg23.0000°,Azm117.0000° M_o2.00000×10^{17}

MOS Error ellipse: s-maj=12.0km s-min=10.2km az=105.0.

SZGRF Tonga Islands region.

NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.2km az=135.0.

(260) East of Philippine Islands

ISC	**III**	**26 02 09 43.8–.39**	**3.73N–.05**	**126.67E–.09**	**53**	**4.5b,3.6s**	**122**	**3-123**
DJA	III	26 02 08 23.6–1.8	9N–21	129E–6.0	15–30	6.0b,5.8b		¶12061005
IDC	III	26 02 09 36.6–.51	3.68N	126.49E	0	4.9L,4.4		
BJI	III	26 02 09 38.2	3.80N	127.00E	35	4.9b,4.8s		
MOS	III	26 02 09 38.4–1.4	3.72N	126.64E	24	4.7b,4.8s		
ISCJB	III	26 02 09 41.8–.28	3.72N–.03	126.61E–.07	53	4.6b,3.7s		
NEIC	III	26 02 09 42.7–1.3	3.75N	126.59E	44–12	4.7b,3.7s		

ISC Event type se.

IDC Error ellipse: s-maj=25.3km s-min=11.8km az=72.0.

MOS Error ellipse: s-maj=17.3km s-min=7.0km az=110.9.

ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.7km az=170.8.

NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.4km az=79.0.

(429) Mid-Indian Ridge

ISC	**III**	**26 06 14 23.2–.35**	**27.53S–.04**	**73.22E–.05**	**16–1**	**5.4s,5.3b**	**757**	**16-177**
BJI	III	26 06 14 18.0	27.45S	72.36E	10	5.8b,5.7s		¶12061015
IDC	III	26 06 14 20.5–.37	27.42S	73.31E	0	5.2s,5.2		
ISCJB	III	26 06 14 21.3–.23	27.44S–.04	73.32E–.04	14	5.3s,5.2b		
MOS	III	26 06 14 21.2–1.2	27.32S	73.38E	10	5.7b,5.3s		
NEIC	III	26 06 14 22.1–.18	27.46S	73.30E	10	5.6W,5.4b		
TEH	III	26 06 14 23.0	27.52S	73.31E	10	5.8L,5.4b		
GCMT	III	26 06 14 24.5–.10	27.40S	73.27E	12	5.7W,5.4b		
DJA	III	26 06 14 31.4–1.7	28S–5.0	73E–3.0	84–17	5.8b,5.4		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=229, per= 50. Moment Tensor Solution. s92,c145; s77,c86; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.44±.03 $M_{\theta\theta}$2.57±.03; $M_{\phi\phi}$0.87±.04; $M_{r\theta}$-0.93±.10; $M_{\theta\phi}$-1.60±.03; $M_{\phi r}$1.20±.11; Best double couple: NP1:ϕ_s293.00000°,δ35.00000°,λ-104.00000°. NP2:ϕ_s129.00000°,δ57.00000°,λ-81.00000°. Principal axes: T 3.8100,Plg11.0000°,Azm213.0000°; N -0.0200,Plg8.0000°,Azm304.0000° ; P -3.8000,Plg76.0000°,Azm69.0000° M_o3.80000×10^{17}

(174) Tonga Islands region

ISC	**III**	**26 10 00 31.4–.27**	**23.03S–.05**	**175.07W–.05**	**49–1**	**5.2b,4.9s**	**758**	**7-170**
IDC	III	26 10 00 24.6–.43	22.95S	175.15W	0	5.1,5.1		¶12061157
DJA	III	26 10 00 25.8–.90	23S–9.0	175W–15	10	6.3b,6.0		
GCMT	III	26 10 00 28.6–.20	23.18S	174.56W	12	5.2W,6.0		
SZGRF	III	26 10 00 29.5	23.39S	174.60W	42	5.1b,6.0		
MOS	III	26 10 00 29.5–1.3	23.00S	175.23W	41	5.4b,5.1s		
ISCJB	III	26 10 00 29.4–.15	23.07S–.04	175.11W–.04	43	5.1b,4.9s		
NEIC	III	26 10 00 30.9–.16	23.06S	175.17W	42	5.2b,4.9s		
BJI	III	26 10 00 35.6	22.11S	175.75W	52	5.6b,5.3s		

ISC Event type se.

IDC Error ellipse: s-maj=15.4km s-min=13.4km az=148.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s56,c80; s96,c156; Moment tensor: Scale 10^{16}Nm; M_{rr}5.95±.12 $M_{\theta\theta}$-0.98±.12; $M_{\phi\phi}$-4.97±.10; $M_{r\theta}$2.72±.39; $M_{\theta\phi}$-2.01±.09; $M_{\phi r}$2.47±.31; Best double couple: NP1:ϕ_s191.00000°,δ31.00000°,λ70.00000°. NP2:ϕ_s35.00000°,δ61.00000°,λ102.00000°. Principal axes: T 7.1400,Plg71.0000° ,Azm332.0000°; N -0.4300,Plg10.0000°,Azm209.0000°; P -6.7100,Plg15.0000° ,Azm116.0000° M_o6.90000×10^{16}

SZGRF Tonga Islands region.

MOS Error ellipse: s-maj=10.4km s-min=8.5km az=56.5.

ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=151.2.

NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.4km az=147.0.

(109) Near coast of northern Peru

ISC	**III**	**26 17 35 14.2–.92**	**5.78S–.04**	**81.41W–.04**	**8–5**	**5.5b,5.5s**	**1071**	**3-178**
ISCJB	III	26 17 35 11.5–1.4	5.68S–.03	81.43W–.03	1–8	5.5s,5.5b		¶12062029
IDC	III	26 17 35 13.6–.42	5.55S	81.34W	0	5.5,5.4		
NEIC	III	26 17 35 14.3–.17	5.72S	81.34W	10	5.8W,5.7W		
BJI	III	26 17 35 15.3	5.70S	81.40W	7	5.8s,5.8b		
MOS	III	26 17 35 16.5–1.1	5.63S	81.38W	33	5.8b,5.4s		
GCMT	III	26 17 35 18.1–.10	5.90S	81.70W	13–0	5.8W,5.4s		
DJA	III	26 17 35 25.7–5.6	8S–16	81W–15	10	5.6,5.6b		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [II] at Paita. Moment Tensor Solution. s70 Moment tensor: Scale 10^{17}Nm; M_{rr}1.94 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$-1.56 $M_{r\theta}$1.49 $M_{\theta\phi}$0.19 $M_{\phi r}$-4.21 Best double couple: NP1:ϕ_s355.00000° ,δ11.00000°,λ103.00000°. NP2:ϕ_s161.00000°,δ79.00000°,λ87.00000°. Principal axes: T 4.9900,Plg55.0000°,Azm68.0000°; N -0.3900,Plg2.0000°,Azm161.0000° ; P -4.6100,Plg34.0000°,Azm253.0000° M_o4.80000×10^{17}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=229, per= 50. Moment Tensor Solution. s97,c190; s70,c72; Moment tensor: Scale 10^{17}Nm; M_{rr}3.26±.05 $M_{\theta\theta}$-0.15±.03; $M_{\phi\phi}$-3.12±.04; $M_{r\theta}$1.28±.09; $M_{\theta\phi}$0.22±.03; $M_{\phi r}$-6.01±.23; Best double couple: NP1:ϕ_s2.00000°,δ14.00000°,λ102.00000°. NP2:ϕ_s169.00000°,δ76.00000°,λ87.00000°. Principal axes: T 7.0100,Plg59.0000°,Azm75.0000°; N -0.1700,Plg3.0000°,Azm170.0000° ; P -6.8400,Plg31.0000°,Azm261.0000° M_o6.90000×10^{17}

(18) Southern Yukon Territory

ISC	**III**	**27 02 58 38.9–.45**	**61.03N–.03**	**138.42W–.03**	**10–2**	**5.1b,4.4s**	**1135**	**0-146**
BJI	III	27 02 58 34.3	61.00N	138.40W	5	5.2s,5.2b		¶13567810
IDC	III	27 02 58 37.4–.38	61.04N	138.54W	0	4.8,4.7		
NEIC	III	27 02 58 39.0	61.01N	138.41W	1	5.1b,5.1L		
MOS	III	27 02 58 38.7–.79	61.10N	138.64W	17	5.3b,4.4s		
ISCJB	III	27 02 58 38.0–.07	61.08N–.01	138.52W–.02	12	5.0b,4.5s		
PGC	III	27 02 58 39.0–3.7	61.01N	138.41W	1	5.0L,4.9W		
GCMT	III	27 02 58 43.3–.20	61.07N	138.55W	20–0	5.0W,4.9W		
SZGRF	III	27 02 58 49.9	62.03N	139.00W	33	5.3b,4.4s		

ISC Event type fe.

IDC Error ellipse: s-maj=10.4km s-min=6.8km az=35.0.

NEIC Event type fe. Felt at Burwash Landing, Haines Junction, Marsh Lake and Whitehorse. After PGC. Moment Tensor Solution. M_o3.20000×10^{16} Moment Tensor Solution. M_o2.30000×10^{16}

MOS Error ellipse: s-maj=8.5km s-min=3.6km az=94.7.

ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.2km az=35.7.

PGC Event type fe. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 56km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada Felt (I-II) at Whitehorse and Haines Junction, Yt.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c65; s75,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}3.65±.17 $M_{\theta\theta}$-2.70±.11; $M_{\phi\phi}$-0.95±.12; $M_{r\theta}$-2.50±.20; $M_{\theta\phi}$1.65±.07; $M_{\phi r}$1.01±.22; Best double couple: NP1:ϕ_s126.00000°,δ27.00000°,λ100.00000°. NP2:ϕ_s296.00000°,δ63.00000°,λ85.00000°. Principal axes: T 4.5500,Plg71.0000° ,Azm195.0000°; N 0.0100,Plg4.0000°,Azm298.0000°; P -4.5600,Plg18.0000°,Azm29.0000° M_o4.60000×10^{16}

SZGRF Southern Yukon Territory, Canada.

(59) Guerrero

ISC	**III**	**27 08 48 16.2–.32**	**17.39N–.03**	**100.77W–.03**	**45–2**	**5.3b,4.9s**	**1107**	**1-150**
IDC	III	27 08 48 09.8–.55	17.48N	100.66W	0	4.9,4.9		¶13437426
BJI	III	27 08 48 13.7	17.61N	100.19W	25	5.6b,5.4s		
ISCJB	III	27 08 48 16.0–.30	17.45N–.02	100.67W–.02	54–2	5.2b,4.9s		
NEIC	III	27 08 48 16.9	17.40N	100.80W	22	5.4b,5.3W		
MEX	III	27 08 48 16.9–.66	17.40N	100.80W	22–10	5.3,5.3W		
MOS	III	27 08 48 17.3–.86	17.56N	100.56W	57	5.6b,4.9s		
GCMT	III	27 08 48 19.8–.20	17.42N	100.60W	39–0	5.3W,4.9s		

ISC Event type se.

IDC Error ellipse: s-maj=22.7km s-min=11.6km az=63.0.

ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=1.9km az=33.1.

NEIC Event type se. After MEX. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s322.00000° ,δ39.00000°,λ95.00000°. NP2:ϕ_s136.00000°,δ51.00000°,λ86.00000°. Principal axes: T 0.9600,Plg83.0000°,Azm22.0000°; N 0.1000,Plg2.0000°,Azm138.0000° ; P -1.0600,Plg6.0000°,Azm228.0000° M_o1.00000×10^{17}

MEX Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.

MOS Error ellipse: s-maj=7.1km s-min=4.2km az=86.4.

GCMT Event type se. Data Used: II CN IU IC G. Moment Tensor Solution. s83,c133; s81,c134; Moment tensor: Scale 10^{17}Nm; M_{rr}1.18±.03 $M_{\theta\theta}$-1.23±.02; $M_{\phi\phi}$0.05±.02; $M_{r\theta}$0.20±.02; $M_{\theta\phi}$0.11±.02; $M_{\phi r}$-0.31±.02; Best double couple: NP1:ϕ_s262.00000°,δ41.00000°,λ70.00000°. NP2:ϕ_s108.00000°,δ52.00000°,λ107.00000°. Principal axes: T 1.2700,Plg76.0000° ,Azm74.0000°; N -0.0100,Plg13.0000°,Azm277.0000°; P -1.2600,Plg5.0000°,Azm186.0000° M_o1.30000×10^{17}

(410) Southern Mid-Atlantic Ridge

ISC	**III**	**27 10 00 47.9–.42**	**12.83S–.10**	**14.52W–.09**	**16**	**4.7b,4.2s**	**163**	**21-146**
MOS	III	27 10 00 45.2–.95	12.75S	14.58W	10	5.0b,4.1s		¶13437434
ISCJB	III	27 10 00 46.3–.34	12.81S–.07	14.43W–.07	16	4.6b,4.2s		
IDC	III	27 10 00 46.6–1.3	12.54S	14.67W	0	4.3,4.2		
BJI	III	27 10 00 46.0	13.00S	14.30W	16	5.7b,5.1s		
NEIC	III	27 10 00 47.1–.32	12.80S	14.55W	10	5.1b,5.1s		
GCMT	III	27 10 00 48.5–.30	12.86S	14.58W	20–1	5.0W,5.1s		

ISC Event type ke.

MOS Error ellipse: s-maj=20.2km s-min=8.3km az=68.8.

ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.8km az=136.5.

IDC Error ellipse: s-maj=49.2km s-min=15.3km az=145.0.

NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.5km az=132.0.

GCMT Event type se. Data Used: IU II IC G. Moment Tensor Solution. s9,c12; s62,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.58±.36 $M_{\theta\theta}$0.81±.20; $M_{\phi\phi}$2.77±.21; $M_{r\theta}$-0.04±.45; $M_{\theta\phi}$-1.58±.09; $M_{\phi r}$0.39±.30; Best double couple: NP1:ϕ_s328.00000°,δ42.00000°,λ-94.00000°. NP2:ϕ_s153.00000°,δ48.00000°,λ-87.00000°. Principal axes: T 3.6700,Plg3.0000° ,Azm241.0000°; N -0.0600,Plg3.0000°,Azm331.0000°; P -3.6100,Plg86.0000° ,Azm103.0000° M_o3.60000×10^{16}

(277) Jawa

ISC	**III**	**27 20 53 26.0–.35**	**7.02S–.04**	**106.08E–.04**	**41–2**	**5.0b,4.1s**	**395**	**1-156**
MOS	III	27 20 53 22.9–1.0	6.85S	106.29E	27	5.2b,4.0s		¶15153436
ISCJB	III	27 20 53 24.0–.18	7.17S–.03	105.85E–.02	35	4.9b,4.1s		
NEIC	III	27 20 53 26.7–.74	6.96S	106.15E	47–6	4.9b,4.1s		
AUST	III	27 20 53 27.2–.16	7.28S	105.93E	54–0	4.9b,4.1s		
DJA	III	27 20 53 28.5–.50	7S–3.0	106E–2.0	28–5	5.9,5.5b		
BJI	III	27 20 53 28.1	6.72S	105.82E	40	5.0b,4.8b		
IDC	III	27 20 53 28.0–1.3	6.89S	106.27E	54–10	4.6,4.5		
GCMT	III	27 20 53 31.1–.30	7.51S	105.83E	69–2	5.0W,4.5		

ISC Event type se.

MOS Error ellipse: s-maj=12.0km s-min=5.8km az=116.6.

ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.9km az=30.2.

NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=54.0.

AUST Error ellipse: s-maj=0.7km s-min=0.6km az=240.0.

IDC Error ellipse: s-maj=15.0km s-min=7.9km az=49.0.

GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s38,c55; s59,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}1.74±.17 $M_{\theta\theta}$-2.78±.14; $M_{\phi\phi}$1.04±.18; $M_{r\theta}$1.70±.10; $M_{\theta\phi}$3.15±.12; $M_{\phi r}$0.13±.12; Best double couple: NP1:ϕ_s342.00000°,δ58.00000°,λ164.00000°. NP2:ϕ_s81.00000°,δ76.00000°,λ34.00000°. Principal axes: T 3.4400,Plg33.0000° ,Azm306.0000°; N 1.4300,Plg54.0000°,Azm100.0000°; P -4.8600,Plg12.0000° ,Azm208.0000° M_o4.20000×10^{16}

(272) Seram

ISC	**III**	**27 21 52 34.9–.46**	**3.04S–.05**	**129.50E–.05**	**28**	**4.1b,3.2s**	**66**	**1-127**
IDC	III	27 21 52 30.3–.61	3.04S	129.52E	0	4.4L,4.3		¶15153440
ISCJB	III	27 21 52 32.8–.36	2.99S–.03	129.62E–.04	28	4.3b,3.4s		
DJA	III	27 21 52 34.3–.20	3S–3.0	130E–2.0	10	5.5b,5.0		
AUST	III	27 21 52 37.0–.33	3.07S	129.58E	48–0	5.5b,5.0		

ISC Event type ke.

IDC Error ellipse: s-maj=26.6km s-min=11.8km az=78.0.

ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=163.5.

AUST Error ellipse: s-maj=0.9km s-min=0.8km az=41.0.

(282) South of Jawa

ISC	**III**	**29 08 25 05.3–.72**	**9.49S–.07**	**113.46E–.05**	**26**	**4.3b,3.4s**	**36**	**1-117**
IDC	III	29 08 24 59.0–.84	9.36S	113.29E	0	4.3,4.2		¶15153466
ISCJB	III	29 08 25 04.2–.40	9.60S–.05	113.43E–.04	26	4.2b,3.4s		
AUST	III	29 08 25 05.6	9.45S	113.40E	35	4.2b,3.4s		
DJA	III	29 08 25 06.1–2.3	9S–10	113E–2.0	15–17	5.5b,5.3b		

ISC Event type ke.

ISCJB Event type ke.

(13) Kodiak Island region

ISC	**III**	**30 03 42 48.9–.29**	**56.49N–.04**	**152.78W–.03**	**26–1**	**5.2b,4.9s**	**1370**	**1-160**
BJI	III	30 03 42 43.1	55.75N	152.94W	22	5.4b,5.3s		¶13437623
NEIC	III	30 03 42 46.0	56.29N	152.48W	20	5.2b,5.2W		
SZGRF	III	30 03 42 47.8	56.55N	153.39W	33	5.4b,4.9s		
ISCJB	III	30 03 42 48.1–.11	56.50N–.02	152.75W–.03	28	5.1b,4.9s		
MOS	III	30 03 42 48.0–1.0	56.58N	152.82W	25	5.5b,4.8s		
IDC	III	30 03 42 48.2–1.9	56.48N	152.80W	16–10	5.0,5.0		
GCMT	III	30 03 42 50.2–.30	56.11N	152.29W	12	5.2W,5.0		

ISC Event type se.

NEIC Event type se. After AEIC. Moment Tensor Solution. s82 Moment tensor: Scale 10^{16}Nm; M_{rr}1.62 $M_{\theta\theta}$-2.40 $M_{\phi\phi}$0.78 $M_{r\theta}$6.11 $M_{\theta\phi}$-1.45 $M_{\phi r}$3.22 Best double couple: NP1:ϕ_s62.00000° ,δ81.00000°,λ86.00000°. NP2:ϕ_s266.00000°,δ10.00000°,λ114.00000°. Principal axes: T 6.6400,Plg53.0000°,Azm326.0000°; N 1.2800,Plg3.0000°,Azm62.0000°

; P -7.9300,Plg35.0000°,Azm155.0000° $M_0$7.40000×10^{16}
SZGRF Kodiak Island, Alaska, United States, region.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=1.4km az=33.4.
MOS Error ellipse: s-maj=8.8km s-min=3.4km az=89.7.
IDC Error ellipse: s-maj=12.1km s-min=8.8km az=16.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c81; s56,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}2.16±.13 $M_{\theta\theta}$-2.08±.12; $M_{\phi\phi}$-0.08±.10; $M_{r\theta}$7.25±.29; $M_{\theta\phi}$-2.00±.08; $M_{\phi r}$3.21±.31; Best double couple: NP1:ϕ_n222.00000°,δ10.00000°,λ67.00000°. NP2:ϕ_s66.00000°,δ81.00000°,λ94.00000°. Principal axes: T 7.8600,Plg54.0000° ,Azm341.0000°; N 1.0800,Plg4.0000°,Azm246.0000°; P -8.9400,Plg36.0000°,Azm153.0000° $M_0$8.40000×10^{16}

(13) Kodiak Island region

ISC	**III**	**30 07 13 06.2–.17**	**56.40N–.02**	**152.77W–.02**	**17**	**6.0s,5.8b**	**2030**	**1-160**
BJI	III	30 07 13 03.8	56.55N	153.12W	12	6.4s,6.2b		**¶13437633**
MOS	III	30 07 13 04.1–.90	56.47N	152.79W	10	6.1b,5.8s		
IDC	III	30 07 13 04.1–.33	56.61N	152.61W	0	5.8,5.8s		
ISCJB	III	30 07 13 05.8–.09	56.49N–.02	152.69W–.02	21	5.9s,5.7b		
BGS	III	30 07 13 05.4–1.8	56.50N	154.89W	21	6.1s,5.5b		
NEIC	III	30 07 13 07.3–.11	56.55N	152.74W	21	6.1W,5.9b		
GCMT	III	30 07 13 08.8–.10	56.26N	152.64W	12	6.0W,5.9b		
SZGRF	III	30 07 13 13.1	57.02N	153.05W	26	6.1b,6.0s		
DJA	III	30 07 13 46.5–5.0	57N–10	155W–21	307–47	5.8,5.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Kasilof, Seward and Soldotna; [II] at Homer, Kenai and Kodiak. Also felt at Anchorage, Anchor Point, Moose Pass and Sterling. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s84 Moment tensor: Scale 10^{17}Nm; M_{rr}2.18 $M_{\theta\theta}$-3.79 $M_{\phi\phi}$1.61 $M_{r\theta}$6.52 $M_{\theta\phi}$-0.49 $M_{\phi r}$4.56 Best double couple: NP1:ϕ_s56.00000°,δ82.00000°,λ74.00000°. NP2: ϕ_s299.00000°,δ18.00000°,λ152.00000°. Principal axes: T 8.4000,Plg50.0000°,Azm308.0000° ; N 0.4400,Plg15.0000°,Azm58.0000°; P -8.8400,Plg34.0000°,Azm159.0000° $M_0$8.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 71, comp= 73, per= 50. Moment Tensor Solution. s88,c169; s2,c2; Moment tensor: Scale 10^{18}Nm; M_{rr}0.03±.01 $M_{\theta\theta}$-0.06±.01; $M_{\phi\phi}$0.04±.01; $M_{r\theta}$1.17±.02; $M_{\theta\phi}$-0.06±.01; $M_{\phi r}$0.74±.02; Best double couple: NP1:ϕ_s267.00000°,δ1.00000°,λ120.00000°. NP2:ϕ_s58.00000°,δ89.00000°,λ89.00000°. Principal axes: T 1.3500,Plg46.0000°,Azm327.0000°; N 0.0600,Plg1.0000°,Azm58.0000° ; P -1.4200,Plg44.0000°,Azm148.0000° $M_0$1.40000×10^{18}
SZGRF Kodiak Island, Alaska, United States, region.

(7) Andreanof Islands

ISC	**III**	**30 12 07 27.8–.17**	**51.50N–.04**	**178.18W–.02**	**31**	**6.0b,5.4s**	**2089**	**0-160**
BGS	III	30 12 07 24.8–1.8	50.93N	179.99E	33	5.4b,5.4s		**¶14260694**
DJA	III	30 12 07 25.6–.70	52N–7.0	178W–17	10	6.4b,6.1		
ISCJB	III	30 12 07 26.4–.08	51.46N–.02	178.18W–.01	31	5.9b,5.4s		
MOS	III	30 12 07 28.8–.84	51.55N	178.14W	48	6.2b,5.4s		
NEIC	III	30 12 07 28.2–.10	51.54N	178.26W	31	6.0b,5.9		
BJI	III	30 12 07 29.3	51.66N	178.04W	66	6.1b,6.0b		
IDC	III	30 12 07 30.9–1.3	51.58N	178.13W	53–10	5.6,5.5		
GCMT	III	30 12 07 31.0–.10	51.33N	177.93W	41–0	5.7W,5.5		
SZGRF	III	30 12 07 31.9	51.81N	179.26W	33	5.8b,5.5		

ISC Event type se.
BGS Error ellipse: s-maj=260.6km s-min=992.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=1.3km az=1.3.
MOS Error ellipse: s-maj=6.3km s-min=3.8km az=94.2.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=1.9km az=178.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s95 Moment tensor: Scale 10^{17}Nm; M_{rr}2.53 $M_{\theta\theta}$-2.07 $M_{\phi\phi}$-0.46 $M_{r\theta}$1.49 $M_{\theta\phi}$0.16 $M_{\phi r}$1.13 Best double couple: NP1:ϕ_s73.00000°,δ64.00000°,λ74.00000°. NP2: ϕ_s286.00000°,δ30.00000°,λ120.00000°. Principal axes: T 3.3100,Plg67.0000°,Azm312.0000° ; N -0.7800,Plg14.0000°,Azm80.0000°; P -2.5200,Plg17.0000°,Azm174.0000° $M_0$3.00000×10^{17}
IDC Error ellipse: s-maj=10.6km s-min=6.9km az=157.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=117, comp=234, per= 50. Moment Tensor Solution. s111,c214; s47,c51; Moment tensor: Scale 10^{17}Nm; M_{rr}4.05±.07 $M_{\theta\theta}$-3.52±.06; $M_{\phi\phi}$-0.54±.06; $M_{r\theta}$1.72±.07; $M_{\theta\phi}$-1.60±.04; $M_{\phi r}$1.89±.06; Best double couple: NP1:ϕ_s259.00000°,δ31.00000°,λ111.00000°. NP2:ϕ_s54.00000°,δ61.00000°,λ77.00000°. Principal axes: T 4.8800,Plg71.0000°,Azm296.0000°; N -0.0400,Plg11.0000°,Azm60.0000° ; P -4.8400,Plg15.0000°,Azm153.0000° $M_0$4.90000×10^{17}
SZGRF Andreanof Islands, Aleutian Islands, United States.

(7) Andreanof Islands

ISC	**III**	**30 12 11 54.3–.30**	**51.49N–.04**	**178.12W–.02**	**28–1**	**5.9b,5.3s**	**1915**	**0-160**
BJI	III	30 12 11 49.6	51.69N	178.12W	12	6.1b,6.0b		**¶12068425**
SZGRF	III	30 12 11 51.9	51.44N	179.35W	33	5.8b,6.0b		
ISCJB	III	30 12 11 51.4–.09	51.47N–.02	178.19W–.02	18	5.8b,5.3s		
INMG	III	30 12 11 52.0	51.55N	178.29W	14	5.8W,5.3s		
NEIC	III	30 12 11 55.0–.09	51.53N	178.27W	31	6.0b,5.8W		
MOS	III	30 12 11 55.9–.84	51.56N	178.15W	50	6.1b,5.5s		
BGS	III	30 12 11 55.1–2.3	50.92N	179.96W	33	5.4b,5.5s		
IDC	III	30 12 11 56.6–1.1	51.55N	178.16W	44–9	5.5,5.5		
GCMT	III	30 12 11 58.0–.10	51.28N	177.99W	43–0	5.7W,5.5		
DJA	III	30 12 12 15.4–4.1	51N–9.0	178W–36	213–35	6.5,6.0b		

ISC Event type se.
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISCJB Event type se.
NEIC Event type se. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17} Nm; M_{rr}2.34 $M_{\theta\theta}$-2.23 $M_{\phi\phi}$-0.11 $M_{r\theta}$2.56 $M_{\theta\phi}$-1.30 $M_{\phi r}$1.35 Best double couple: NP1: ϕ_s63.00000°,δ69.00000°,λ88.00000°. NP2:ϕ_s248.00000°,δ21.00000°,λ95.00000°. Principal axes: T 3.6300,Plg65.0000°,Azm329.0000°; N 0.5100,Plg1.0000°,Azm63.0000° ; P -4.1400,Plg24.0000°,Azm153.0000° $M_0$3.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=255, per= 50. Moment Tensor Solution. s99,c172; s53,c56; Moment tensor: Scale 10^{17}Nm; M_{rr}4.40±.09 $M_{\theta\theta}$-4.01±.06; $M_{\phi\phi}$-0.39±.06; $M_{r\theta}$1.74±.06; $M_{\theta\phi}$-1.66±.04; $M_{\phi r}$1.86±.05; Best double couple: NP1:ϕ_s261.00000°,δ33.00000°,λ111.00000°. NP2:ϕ_s56.00000°,δ60.00000°,λ77.00000°. Principal axes: T 5.1800,Plg72.0000°,Azm295.0000°; N 0.0300,Plg11.0000°,Azm63.0000° ; P -5.2200,Plg14.0000°,Azm156.0000° $M_0$5.20000×10^{17}

(221) Kuril Islands

ISC	**III**	**30 13 39 53.0–.54**	**48.20N–.07**	**154.34E–.06**	**42**	**4.0b**	**73**	**3-78**
KRSC	III	30 13 39 49.0–2.0	47.82N	155.66E	7–7	4.5L		**¶12635948**
ISCJB	III	30 13 39 50.4–.39	48.09N–.05	154.40E–.07	42	4.1b		
BJI	III	30 13 39 50.6	48.10N	154.30E	30	4.7b,4.3b		
SKHL	III	30 13 39 50.1–.20	48.00N	154.86E	91–8	5.6s,4.7b		
MOS	III	30 13 39 52.3–1.4	48.17N	154.39E	62	4.2b,4.7b		
IDC	III	30 13 39 53.1–.68	48.16N	154.31E	51–6	3.9,3.8		

ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=3.2km az=137.9.
MOS Error ellipse: s-maj=11.7km s-min=7.6km az=59.2.
IDC Error ellipse: s-maj=18.2km s-min=10.9km az=148.0.

(196) Irian Jaya region

ISC	**III**	**30 16 59 59.9–.51**	**0.24S–.05**	**132.92E–.06**	**35**	**4.5b,4.0s**	**72**	**2-130**
IDC	III	30 16 59 54.4–.57	0.27S	132.98E	0	4.4,4.3b		**¶15153475**
BJI	III	30 16 59 54.4	0.49S	132.98E	21	5.0b,4.7s		
ISCJB	III	30 16 59 57.6–.34	0.28S–.04	132.94E–.03	33	4.4b,3.9s		
AUST	III	30 16 59 59.7–2.1	0.39S	132.96E	36–0	4.4b,3.9s		
DJA	III	30 17 00 04.2–.60	0S–4.0	133E–3.0	54–6	5.3b,5.0		

ISC Event type ke.
ISCJB Event type ke.

(193) Bougainville - Solomon Islands region

ISC	**III**	**31 02 33 00.7–.44**	**6.80S–.05**	**155.18E–.05**	**53–3**	**4.9b,4.2s**	**429**	**5-160**
SZGRF	III	31 02 32 56.3	7.07S	155.59E	33	4.9b,4.2s		**¶15153488**
ISCJB	III	31 02 32 56.4–1.6	6.70S–.04	155.09E–.03	26–11	5.0b,4.2s		
BJI	III	31 02 32 56.9	6.85S	155.43E	49	5.1b,5.0s		
MOS	III	31 02 32 57.7–.99	6.68S	155.09E	34	5.2b,5.0s		
GCMT	III	31 02 33 00.5–.30	7.05S	155.06E	37–0	5.0W,5.0s		
NEIC	III	31 02 33 01.5–.94	6.79S	155.09E	60–8	5.0b,5.0s		
IDC	III	31 02 33 01.2–1.8	6.73S	155.10E	55–15	4.7,4.7		
AUST	III	31 02 33 09.7–.60	7.08S	154.78E	111–0	4.7,4.7		

ISC Event type se.
SZGRF Bougainville - Solomon Islands region.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=166.6.
MOS Error ellipse: s-maj=8.6km s-min=7.7km az=84.6.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s57,c64; s57,c68; Moment tensor: Scale 10^{16}Nm; M_{rr}3.69±.20 $M_{\theta\theta}$-2.66±.14; $M_{\phi\phi}$-1.03±.15; $M_{r\theta}$1.00±.15; $M_{\theta\phi}$2.37±.11; $M_{\phi r}$-1.14±.16; Best double couple: NP1:ϕ_s299.00000°,δ35.00000°,λ80.00000°. NP2:ϕ_s131.00000°,δ55.00000°,λ97.00000°. Principal axes: T 3.9900,Plg78.0000° ,Azm66.0000°; N 0.6300,Plg6.0000°,Azm307.0000°; P -4.6100,Plg10.0000°,Azm216.0000° $M_0$4.30000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.6km az=173.0.
IDC Error ellipse: s-maj=12.5km s-min=10.1km az=103.0.
AUST Error ellipse: s-maj=1.5km s-min=1.0km az=9.0.

(263) Talaud Islands

ISC	**III**	**31 11 31 21.2–.27**	**3.90N–.03**	**126.77E–.03**	**33–0**	**5.2b,4.8s**	**823**	**3-169**
BJI	III	31 11 31 14.0	3.31N	127.13E	35	5.1b,5.1b		**¶15153489**
IDC	III	31 11 31 19.4–1.2	3.92N	126.61E	21–7	4.8b,4.8		
MOS	III	31 11 31 19.4–1.3	3.93N	126.72E	33	5.4b,4.9s		
NEIC	III	31 11 31 21.3–.14	3.90N	126.78E	35	5.3b,5.3W		
ISCJB	III	31 11 31 21.2–.38	3.91N–.02	126.84E–.02	51–3	5.2b,4.8s		
GCMT	III	31 11 31 22.8–.10	3.99N	126.82E	26–0	5.4W,4.8s		
DJA	III	31 11 31 25.6–.30	4N–3.0	127E–2.0	71–3	5.8,5.5b		
AUST	III	31 11 31 26.7–.21	3.79N	126.92E	90–0	5.8,5.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=7.2km az=75.0.
MOS Error ellipse: s-maj=10.0km s-min=5.0km az=113.5.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.6km az=74.0. Felt [III] at Melonguanne. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s231.00000°,δ57.00000°,λ148.00000°. NP2:ϕ_s340.00000°,δ63.00000°,λ38.00000°. Principal axes: T 1.0300,Plg44.0000° ,Azm198.0000°; N -0.0400,Plg44.0000°,Azm9.0000°; P -0.9900,Plg4.0000°,Azm104.0000° $M_0$1.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.8km az=161.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c119; s93,c164; Moment tensor: Scale 10^{17}Nm; M_{rr}0.83±.02 $M_{\theta\theta}$0.64±.02; $M_{\phi\phi}$-1.47±.02; $M_{r\theta}$-0.54±.04; $M_{\theta\phi}$-0.32±.02; $M_{\phi r}$-0.02±.04; Best double couple: NP1:ϕ_s335.00000°,δ56.00000°,λ37.00000°. NP2:ϕ_s222.00000°,δ60.00000°,λ139.00000°. Principal axes: T 1.2900,Plg49.0000° ,Azm186.0000°; N 0.2300,Plg41.0000°,Azm11.0000°; P -1.5200,Plg2.0000°,Azm279.0000° $M_0$1.40000×10^{17}
AUST Error ellipse: s-maj=0.9km s-min=0.5km az=234.0.

(249) Luzon

ISC	**III**	**31 13 26 18.6–.46**	**14.62N–.03**	**123.88E–.04**	**27–2**	**4.6b,4.1s**	**208**	**2-151**
IDC	III	31 13 26 13.8–.50	14.50N	123.84E	0	4.3L,4.3		**¶12084236**
BJI	III	31 13 26 15.9	14.55N	123.77E	24	5.0b,4.6b		
ISCJB	III	31 13 26 18.2–.88	14.76N–.02	123.89E–.03	33–6	4.5b,4.1s		
MOS	III	31 13 26 18.5–.89	14.64N	123.81E	43	4.8b,4.0s		
NEIC	III	31 13 26 19.7–.80	14.61N	123.81E	38–7	4.8b,4.0s		
MAN	III	31 13 26 20	14.80N	123.65E	62	5.7b,5.2s		
GCMT	III	31 13 26 20.1–.20	14.79N	123.77E	35–1	5.1W,5.2s		
DJA	III	31 13 26 23.3–2.8	15N–20	124E–6.0	116–17	5.2b,5.0b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II PIVS] at Calabanga, Gubat, Guinayangan, Legaspi and Polillo.
MAN Event type fe. INTENSITY II - LIGNON HILL LEGASPI CITY; POLILIO POLILIO ISLAND QUEZON; GUBAT SORSOGON; CABALANGA CAMARINES SUR; GUINAYANGAN QUEZON.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s42,c56; s82,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.21 $M_{\theta\theta}$4.47±.14; $M_{\phi\phi}$-4.31±.18; $M_{r\theta}$1.57±.18; $M_{\theta\phi}$-1.80±.14; $M_{\phi r}$0.83±.23; Best double couple: NP1:ϕ_s146.00000°,δ70.00000°,λ1.00000°. NP2:ϕ_s56.00000°,δ89.00000°,λ160.00000°. Principal axes: T 5.1900,Plg15.0000° ,Azm9.0000°; N -0.2500,Plg70.0000°,Azm234.0000°; P -4.9400,Plg14.0000°,Azm103.0000° $M_0$5.10000×10^{16}

(200) Near north coast of New Guinea

ISC	**IV**	**01 03 55 01.7–.30**	**3.53S–.03**	**144.23E–.03**	**17–1**	**6.5s,5.8b**	**1250**	**4-157**
IDC	IV	01 03 54 57.7–.34	3.46S	143.97E	0	6.4,6.4s		**¶15153508**
NEIC	IV	01 03 54 58.8–.15	3.52S	144.10E	10	6.7,6.5s		
AUST	IV	01 03 54 59.5–1.3	3.46S	143.94E	0–0	6.7,6.5s		
ISCJB	IV	01 03 54 59.6–.16	3.49S–.02	144.27E–.03	18	6.4s,5.7b		
MOS	IV	01 03 55 02.2–1.8	3.54S	144.18E	33	6.4s,6.0b		
SZGRF	IV	01 03 55 05.8	3.61S	144.68E	33	6.7b,6.0b		
GCMT	IV	01 03 55 06.5–.10	3.36S	144.22E	12	6.4W,6.0b		
DJA	IV	01 03 55 07.1–.50	4S–3.0	144E–3.0	44–5	6.5b,6.4		

ISC Event type se.
NEIC Event type se. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s46 Moment tensor: Scale 10^{18} Nm; M_{rr}0.62 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.51 $M_{r\theta}$-0.19 $M_{\theta\phi}$2.91 $M_{\phi r}$1.23 Best double couple: NP1: ϕ_s1.00000°,δ87.00000°,λ156.00000°. NP2:ϕ_s92.00000°,δ66.00000°,λ3.00000°. Principal axes: T 2.8500,Plg18.0000°,Azm313.0000°; N 0.6400,Plg65.0000°,Azm173.0000° ; P -3.4900,Plg14.0000°,Azm48.0000° $M_0$3.20000×10^{18} Moment Tensor Solution. $M_0$7.30000×10^{18}
ISCJB Event type se.
SZGRF Near north coast of New Guinea, Papua New Guinea.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 112 sta. Surface waves: sta=125, comp=290, per= 50. Moment Tensor Solution. s121,c291; s99,c218; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.03±.02 $M_{\theta\theta}$0.10±.02; $M_{\phi\phi}$-0.08±.03; $M_{r\theta}$-0.61±.06; $M_{\theta\phi}$5.01±.02; $M_{\phi r}$0.43±.06; Best double couple: NP1:ϕ_s181.00000°,δ83.00000°,λ-175.00000°. NP2:ϕ_s90.00000°,δ85.00000°,λ-7.00000°. Principal axes: T 5.0300,Plg2.0000° ,Azm136.0000°; N 0.0800,Plg82.0000°,Azm236.0000°; P -5.1000,Plg8.0000°,Azm45.0000° $M_0$5.10000×10^{18}

(273) Southwest of Sumatera

ISC	**IV**	**01 06 29 40.2–.37**	**6.02S–.03**	**101.88E–.04**	**34–1**	**5.3b,5.1s**	**686**	**2-176**
BJI	IV	01 06 29 31.6	6.91S	101.82E	35	5.5s,5.4b		**¶15153500**
IDC	IV	01 06 29 35.0–.33	5.98S	102.05E	0	5.0,5.0		
ISCJB	IV	01 06 29 36.7–.75	6.01S–.02	101.86E–.02	20–5	5.3b,5.1s		
AUST	IV	01 06 29 36.3–1.0	6.05S	101.80E	8–0	5.3b,5.1s		
DJA	IV	01 06 29 38.8–.80	6S–2.0	102E–2.0	15–7	6.3,6.0		
MOS	IV	01 06 29 39.0–1.0	5.91S	101.99E	33	5.5b,5.0s		
GCMT	IV	01 06 29 40.3–.20	6.09S	101.82E	29–1	5.6W,5.0s		
TEH	IV	01 06 29 40.0	6.07S	101.84E	35	5.5L,5.0s		
NEIC	IV	01 06 29 40.4–.14	5.96S	101.91E	35	5.3b,5.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=8.2km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=37.6.
AUST Error ellipse: s-maj=0.9km s-min=0.5km az=233.0.
MOS Error ellipse: s-maj=11.0km s-min=5.2km az=116.1.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 96, comp=158, per= 50. Moment Tensor Solution. s59,c73; s14,c14; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.44±.08 $M_{\theta\theta}$-0.46±.07; $M_{\phi\phi}$0.89±.07; $M_{r\theta}$-0.20±.12; $M_{\theta\phi}$-2.85±.06; $M_{\phi r}$-0.85±.13; Best double couple: NP1:ϕ_s97.00000°,δ73.00000°,λ-175.00000°. NP2:ϕ_s6.00000°,δ85.00000°,λ-17.00000°. Principal axes: T 3.2300,Plg9.0000°,Azm53.0000°; N -0.3200,Plg72.0000°,Azm170.0000° ; P -2.9100,Plg16.0000°,Azm320.0000° $M_0$3.10000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.6km az=52.0. Felt [IV] at Bengkulu and [III] at Manna.

(274) Southern Sumatera

ISC	**IV**	**01 14 27 47.4–.34**	**3.61S–.03**	**100.54E–.04**	**32–1**	**5.1b,4.9s**	**537**	**2-150**
BJI	IV	01 14 27 42.5	3.93S	100.68E	31	5.4s,5.4b		**¶15153501**
ISCJB	IV	01 14 27 45.8–.74	3.60S–.03	100.55E–.03	32–5	5.0b,5.0s		
MOS	IV	01 14 27 46.4–1.1	3.41S	100.73E	33	5.3b,4.8s		
NEIC	IV	01 14 27 46.7–.29	3.51S	100.63E	26	5.1b,4.8s		
DJA	IV	01 14 27 47.1–.90	4S–3.0	100E–4.0	17–7	5.6,5.6b		
IDC	IV	01 14 27 47.8–.63	3.50S	100.71E	28–3	4.8,4.8s		
GCMT	IV	01 14 27 49.8–.30	3.80S	100.39E	20	5.3W,4.8s		
AUST	IV	01 14 27 56.7–.04	2.62S	101.63E	70–0	5.3W,4.8s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=136.6.
MOS Error ellipse: s-maj=10.9km s-min=5.6km az=110.7.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.1km az=57.0.
IDC Error ellipse: s-maj=15.6km s-min=8.1km az=47.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c87; s53,c65; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s323.00000°,δ13.00000°,λ108.00000°. NP2:ϕ_s124.00000° ,δ78.00000°,λ86.00000°. Principal axes: T 1.2800,Plg57.0000°,Azm29.0000° ; N 0.0400,Plg4.0000°,Azm125.0000°; P -1.3100,Plg33.0000°,Azm217.0000° $M_0$1.30000×10^{17}

AUST Error ellipse: s-maj=2.7km s-min=0.7km az=226.0.

(200) Near north coast of New Guinea

ISC	**IV**	**02 03 29 34.2–.41**	**3.67S–.04**	**144.22E–.05**	**18–1**	**4.9b,4.7s**	**218**	**4-150**
BJI	IV	02 03 29 28.0	4.16S	144.36E	10	5.6b,4.9s		**¶15153516**
IDC	IV	02 03 29 29.2–.89	3.73S	144.44E	0	4.7,4.7s		
ISCJB	IV	02 03 29 30.3–1.0	3.49S–.04	144.40E–.05	4–6	4.8b,4.7s		
NEIC	IV	02 03 29 32.9–.35	3.55S	144.22E	10	5.1b,4.7s		
MOS	IV	02 03 29 34.1–1.3	3.52S	144.44E	33	5.3b,4.6s		
GCMT	IV	02 03 29 35.0–.10	3.38S	144.19E	12	5.2W,4.6s		
AUST	IV	02 03 29 39.1	3.38S	144.03E	60	5.2W,4.6s		
DJA	IV	02 03 29 42.5–1.1	4S–9.0	144E–9.0	49–10	5.7,5.5b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s63,c89; s99,c177; Moment tensor: Scale 10^{16}Nm; M_{rr}6.68±.12 $M_{\theta\theta}$-5.88±.10; $M_{\phi\phi}$-0.80±.13; $M_{r\theta}$-3.03±.30; $M_{\theta\phi}$2.16±.10; $M_{\phi r}$0.95±.35; Best double couple: NP1: ϕ_s111.00000°,δ32.00000°,λ92.00000°. NP2:ϕ_s289.00000°,δ58.00000°,λ89.00000°. Principal axes: T 7.4000,Plg77.0000°,Azm195.0000°; N -0.0100,Plg1.0000°,Azm290.0000° ; P -7.3900,Plg13.0000°,Azm20.0000° $M_0$7.40000×10^{16}

(245) Northeast of Taiwan

ISC	**IV**	**02 08 39 33.1–.38**	**24.77N–.04**	**125.80E–.03**	**40–2**	**4.8b,4.1s**	**401**	**0-146**
NIED	IV	02 08 39 00	24.60N	125.90E	35	4.8W,4.1s		**¶13437801**
BJI	IV	02 08 39 29.9	24.62N	125.89E	39	4.9b,4.7b		
MOS	IV	02 08 39 30.6–1.0	24.84N	125.73E	33	5.2b,4.0s		
ISCJB	IV	02 08 39 32.0–.36	24.79N–.03	125.77E–.02	41–3	4.8b,4.0s		
JMA	IV	02 08 39 32.7–.10	24.71N	125.84E	54–1	5.1,4.0s		
NEIC	IV	02 08 39 33.4–.42	24.79N	125.70E	42–4	5.0b,4.8W		
IDC	IV	02 08 39 33.8–.61	24.80N	125.75E	48–5	4.5,4.5		
DJA	IV	02 08 39 48.4–1.3	25N–8.0	125E–11	107–11	5.7b,5.2		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ84.00000°,λ-147.00000°. NP2:ϕ_s94.00000°,δ57.00000°,λ-7.00000°. $M_0$1.84000×10^{16}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] on Miyako-jima and [1 JMA] on Tarama-shima. Moment Tensor Solution. $M_0$1.80000×10^{16}

(266) Northern Molucca Sea

ISC	**IV**	**03 00 06 34.7–.37**	**3.40N–.03**	**127.12E–.05**	**33–1**	**4.7b,4.4s**	**154**	**3-149**
BJI	IV	03 00 06 27.2	2.69N	127.18E	35	5.0b,4.8b		**¶15153526**
IDC	IV	03 00 06 28.9–.59	3.36N	126.90E	0	4.4,4.3		
ISCJB	IV	03 00 06 32.5–.24	3.46N–.03	127.08E–.04	33	4.6b,4.2s		
NEIC	IV	03 00 06 33.7–.36	3.35N	126.95E	35	4.9b,4.2s		
AUST	IV	03 00 06 35.4	3.50N	127.00E	60	4.9b,4.2s		
DJA	IV	03 00 06 39.1–.40	3N–3.0	127E–3.0	10	5.1b,5.0b		

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

(174) Tonga Islands region

ISC	**IV**	**03 07 30 10.0–.38**	**23.02S–.06**	**174.81W–.07**	**47–2**	**4.8b,4.0s**	**397**	**7-170**
MOS	IV	03 07 30 07.2–.85	22.91S	175.02W	33	5.1b,4.0s		**¶15153524**
IDC	IV	03 07 30 10.0–.60	22.98S	174.93W	45–4	4.6,4.5		
NEIC	IV	03 07 30 09.7–.25	23.05S	174.86W	45	4.8b,4.5		
BJI	IV	03 07 30 10.7	22.66S	175.16W	44	5.5b,5.2s		
ISCJB	IV	03 07 30 10.2–1.5	23.09S–.06	174.96W–.05	60–13	4.8b,5.2s		
AUST	IV	03 07 30 35.7	23.35S	176.37W	200	4.8b,5.2s		

ISC Event type se.
MOS Error ellipse: s-maj=15.5km s-min=11.1km az=52.8.
IDC Error ellipse: s-maj=16.4km s-min=13.4km az=124.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.1km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=156.2.

(281) Tanimbar Islands region

ISC	**IV**	**03 13 37 57.7–.24**	**8.02S–.03**	**130.32E–.04**	**29–1**	**5.2b,5.1s**	**655**	**3-169**
BJI	IV	03 13 37 52.6	8.26S	130.69E	35	5.6b,5.1s		**¶15153530**
IDC	IV	03 13 37 53.4–.38	7.87S	130.29E	0	5.0s,5.0		
ISCJB	IV	03 13 37 57.7–.42	8.01S–.02	130.44E–.02	48–3	5.2b,5.1s		
GCMT	IV	03 13 37 58.9–.10	8.07S	130.28E	21–0	5.6W,5.1s		
DJA	IV	03 13 37 58.1–.70	8S–1.0	130E–2.0	26–7	5.8b,5.7		
NEIC	IV	03 13 37 58.5–.19	8.01S	130.23E	35	5.6W,5.5W		
MOS	IV	03 13 37 59.6–.95	7.38S	130.19E	33	5.6b,4.9s		
AUST	IV	03 13 37 59.8–.17	7.97S	130.38E	45–0	5.6b,4.9s		

ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=10.4km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.4km az=176.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=227, per= 50. Moment Tensor Solution. s100,c183; s57,c61; Moment tensor: Scale 10^{17}Nm; M_{rr}2.18±.03 $M_{\theta\theta}$-2.25±.03; $M_{\phi\phi}$0.07±.03; $M_{r\theta}$2.05±.06; $M_{\theta\phi}$-0.24±.02; $M_{\phi r}$0.50±.06; Best double couple: NP1:ϕ_s270.00000°,δ24.00000°,λ100.00000°. NP2:ϕ_s79.00000°,δ67.00000°,λ85.00000°. Principal axes: T 3.0300,Plg68.0000°,Azm340.0000°; N 0.0800,Plg4.0000°,Azm81.0000° ; P -3.1000,Plg22.0000°,Azm172.0000° $M_0$3.10000×10^{17}
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.7km az=62.0. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}2.14 $M_{\theta\theta}$-2.56 $M_{\phi\phi}$0.42 $M_{r\theta}$-0.63 $M_{\theta\phi}$-0.91 $M_{\phi r}$0.27 Best double couple: NP1:ϕ_s268.00000°,δ53.00000°,λ108.00000°. NP2:ϕ_s59.00000° ,δ41.00000°,λ67.00000°. Principal axes: T 2.3100,Plg74.0000°,Azm232.0000° ; N 0.5600,Plg14.0000°,Azm76.0000°; P -2.8700,Plg6.0000°,Azm345.0000° $M_0$2.60000×10^{17}
MOS Error ellipse: s-maj=15.2km s-min=6.8km az=115.9.
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=229.0.

(171) South of Fiji Islands

ISC	**IV**	**03 19 54 27.3–.49**	**27.45S–.06**	**176.30W–.08**	**60–3**	**4.8b,4.3s**	**226**	**2-166**
IDC	IV	03 19 54 19.3–.53	27.32S	176.27W	0	4.5,4.5		**¶12088177**
MOS	IV	03 19 54 23.2–1.8	27.34S	176.35W	33	5.1b,4.5		
ISCJB	IV	03 19 54 25.3–.29	27.42S–.05	176.39W–.07	54	4.8b,4.3s		
BJI	IV	03 19 54 26.6	26.87S	176.15W	54	5.5b,5.1s		
NEIC	IV	03 19 54 27.2–1.3	27.42S	176.37W	63–11	4.9b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=14.8km az=149.0.
MOS Error ellipse: s-maj=12.3km s-min=10.8km az=95.9.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.2km az=20.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.2km az=111.0.

(196) Irian Jaya region

ISC	**IV**	**04 06 09 28.3–.53**	**0.66S–.06**	**133.21E–.06**	**32**	**4.6b**	**75**	**2-153**
IDC	IV	04 06 09 23.4–.67	0.62S	133.17E	0	4.7,4.7L		**¶15153548**
ISCJB	IV	04 06 09 26.4–.42	0.65S–.04	133.24E–.04	32	4.5b,4.7L		
NEIC	IV	04 06 09 29.8–1.4	0.68S	133.11E	44–13	4.6b,4.7L		
DJA	IV	04 06 09 31.9–1.7	1S–6.0	133E–3.0	39–18	5.6b,5.1		
AUST	IV	04 06 09 32.4	0.98S	133.00E	60	5.6b,5.1		

ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=12.1km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=6.2km az=166.6.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.7km az=52.0.

(702) Balleny Islands region

ISC	**IV**	**04 07 19 42.2–.28**	**62.70S–.05**	**155.47E–.07**	**10**	**5.7s,5.2b**	**306**	**8-168**
IDC	IV	04 07 19 39.6–.43	62.56S	155.27E	0	5.6s,5.6		**¶12088191**
ISCJB	IV	04 07 19 40.4–.30	62.53S–.04	155.2E–.10	10	5.6s,5.1b		
NEIC	IV	04 07 19 41.7–.25	62.60S	155.12E	10	5.9W,5.7s		
MOS	IV	04 07 19 41.5–1.8	62.26S	155.57E	10	5.6s,5.3b		
DJA	IV	04 07 19 42.7–.40	63S–4.0	156E–11	10	7.0,6.4		
GCMT	IV	04 07 19 46.2–.10	62.49S	155.23E	12	5.9W,6.4		

ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=11.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=6.6.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.6km az=89.0. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}3.13 $M_{\theta\theta}$6.24 $M_{\phi\phi}$-9.36 $M_{r\theta}$-0.57 $M_{\theta\phi}$-3.82 $M_{\phi r}$-2.33 Best double couple: NP1:ϕ_s58.00000°,δ83.00000°,λ-173.00000°. NP2:ϕ_s328.00000° ,δ83.00000°,λ-7.00000°. Principal axes: T 7.1000,Plg0.0000°,Azm192.0000° ; N 3.6000,Plg80.0000°,Azm100.0000°; P -10.7000,Plg9.0000°,Azm283.0000° $M_0$9.40000×10^{17}
MOS Error ellipse: s-maj=33.2km s-min=9.9km az=94.1.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=101, comp=201, per= 50. Moment Tensor Solution. s108,c204; s84,c113; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64±.08 $M_{\theta\theta}$7.88±.07; $M_{\phi\phi}$-7.24±.08; $M_{r\theta}$-0.49±.21; $M_{\theta\phi}$-5.66±.07; $M_{\phi r}$-0.30±.22; Best double couple: NP1:ϕ_s333.00000°,δ86.00000°,λ-1.00000°. NP2:ϕ_s63.00000°,δ89.00000°,λ-176.00000°. Principal axes: T 9.7800,Plg2.0000°,Azm198.0000°; N -0.6300,Plg86.0000°,Azm74.0000° ; P -9.1500,Plg3.0000°,Azm288.0000° $M_0$9.50000×10^{17}

(173) Tonga Islands

ISC	**IV**	**04 11 07 13.1–.29**	**22.54S–.05**	**174.66W–.04**	**35–1**	**5.5b,5.3s**	**1098**	**6-180**
DJA	IV	04 11 07 07.8–3.9	22S–10	175W–6.0	10	5.9b,5.8		**¶15153560**
AUST	IV	04 11 07 10.8–1.4	22.23S	174.27W	34–0	5.9b,5.8		
ISCJB	IV	04 11 07 11.9–.11	22.51S–.04	174.77W–.03	34	5.4b,5.3s		
MOS	IV	04 11 07 11.6–1.5	22.51S	174.70W	33	5.7b,5.3s		
SZGRF	IV	04 11 07 11.2	21.15S	173.81W	33	5.6b,5.3s		
GCMT	IV	04 11 07 11.7–.10	22.64S	174.14W	12	5.5W,5.3s		
NEIC	IV	04 11 07 13.0–.15	22.52S	174.66W	35	5.5b,5.5W		
BJI	IV	04 11 07 12.0	22.00S	174.44W	27	6.1b,5.7b		
IDC	IV	04 11 07 13.4–.47	22.51S	174.87W	34–3	5.1,5.1s		
BGS	IV	04 11 07 13.7–5.7	22.52S	174.66W	33	5.5b,5.1s		

ISC Event type se.
AUST Error ellipse: s-maj=1.2km s-min=0.8km az=301.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.7km az=154.6.
MOS Error ellipse: s-maj=8.4km s-min=7.5km az=140.2.
SZGRF Tonga Islands.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=235, per= 50. Moment Tensor Solution. s78,c131; s31,c33; Moment tensor: Scale 10^{17}Nm; M_{rr}1.68±.02 $M_{\theta\theta}$-0.37±.02; $M_{\phi\phi}$-1.32±.02; $M_{r\theta}$0.60±.06; $M_{\theta\phi}$-0.77±.02; $M_{\phi r}$0.90±.05; Best double couple: NP1:ϕ_s206.00000°,δ29.00000°,λ85.00000°. NP2:ϕ_s32.00000°,δ61.00000°,λ93.00000°. Principal axes: T 1.9900,Plg74.0000°,Azm308.0000°; N 0.0600,Plg2.0000°,Azm210.0000° ; P -2.0600,Plg16.0000°,Azm120.0000° $M_0$2.00000×10^{17}
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.3km az=151.0.
IDC Error ellipse: s-maj=12.8km s-min=10.6km az=157.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(174) Tonga Islands region

ISC	**IV**	**04 11 59 37.0–.44**	**22.59S–.07**	**174.72W–.06**	**32–2**	**5.2b,4.6s**	**387**	**8-170**
IDC	IV	04 11 59 32.0–.48	22.45S	174.79W	0	4.9,4.8		**¶12088226**
ISCJB	IV	04 11 59 35.3–.19	22.58S–.06	174.75W–.04	32	5.1b,4.7s		
GCMT	IV	04 11 59 35.7–.20	22.66S	174.15W	14–0	5.0W,4.7s		
BJI	IV	04 11 59 36.5	22.25S	174.34W	36	5.7b,5.3b		
MOS	IV	04 11 59 36.3–2.0	22.50S	174.87W	33	5.3b,5.3b		
NEIC	IV	04 11 59 37.3–.21	22.54S	174.76W	35	5.2b,5.3b		
DJA	IV	04 11 59 40.9–6.6	23S–23	175W–24	53–51	5.6b,5.1		

ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s28,c37; s69,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}3.72±.22 $M_{\theta\theta}$0.19±.15; $M_{\phi\phi}$-3.91±.15; $M_{r\theta}$1.44±.41; $M_{\theta\phi}$-0.96±.11; $M_{\phi r}$1.83±.29; Best double couple: NP1:ϕ_s179.00000°,δ32.00000°,λ66.00000°. NP2:ϕ_s26.00000°,δ60.00000°,λ104.00000°. Principal axes: T 4.4800,Plg71.0000° ,Azm328.0000°; N 0.1800,Plg12.0000°,Azm199.0000°; P -4.6600,Plg14.0000° ,Azm105.0000° $M_0$4.60000×10^{16}
NEIC Event type se.

(70) Guatemala

ISC	**IV**	**05 02 10 46.6–.78**	**14.38N–.03**	**90.43W–.03**	**11–4**	**4.2b,4.1s**	**178**	**0-145**
BJI	IV	05 02 10 44.9	14.30N	90.60W	10	5.6b,5.1s		**¶12088409**
IDC	IV	05 02 10 44.5–.90	14.33N	90.37W	0	4.7L,4.3		
NEIC	IV	05 02 10 46.0–.49	14.31N	90.56W	10	4.6,4.4b		
CASC	IV	05 02 10 46.0–2.4	14.38N	90.46W	13–12	4.4L,4.4b		
ISCJB	IV	05 02 10 46.2–.37	14.41N–.03	90.46W–.03	18–3	4.2b,4.1s		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Ahuachapan, El Salvador.
ISCJB Event type fe.

(174) Tonga Islands region

ISC	**IV**	**05 07 48 36.0–.42**	**22.55S–.07**	**174.74W–.08**	**22**	**4.8b,4.6s**	**167**	**7-170**
IDC	IV	05 07 48 31.8–.59	22.37S	174.80W	0	4.7,4.7		**¶12088416**
ISCJB	IV	05 07 48 34.1–.29	22.47S–.06	174.83W–.06	22	4.8b,4.5s		
BJI	IV	05 07 48 35.9	22.51S	174.70W	32	5.5b,5.2s		
NEIC	IV	05 07 48 37.3–.27	22.51S	174.74W	35	4.9b,5.2s		

ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=14.6km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.9km az=140.9.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.2km az=144.0.

(224) Hokkaido region

ISC	**IV**	**05 08 00 24.8–.31**	**42.35N–.03**	**142.90E–.03**	**54–2**	**4.8b,4.1s**	**664**	**0-152**
NIED	IV	05 08 00 00	42.30N	143.00E	56	4.9W,4.1s		**¶13437960**
DJA	IV	05 08 00 20.4–1.2	43N–11	143E–20	25	5.4b,4.8		
BJI	IV	05 08 00 20.1	42.28N	143.16E	39	4.9b,4.8b		
SZGRF	IV	05 08 00 21.4	42.95N	146.09E	53	4.6b,4.2s		
MOS	IV	05 08 00 23.3–.86	42.37N	142.86E	52	5.1b,4.2s		
ISCJB	IV	05 08 00 24.4–.23	42.28N–.02	142.96E–.02	67–1	4.6b,4.2s		
TEH	IV	05 08 00 25.0	42.44N	142.84E	49	4.8L,4.2s		
JMA	IV	05 08 00 25.7–.10	42.32N	143.00E	54–1	4.8,4.2s		
NEIC	IV	05 08 00 26.1–.38	42.37N	142.84E	65–3	4.9W,4.8b		
GCMT	IV	05 08 00 28.0–.40	42.21N	143.09E	66–2	4.9W,4.8b		
IDC	IV	05 08 00 29.5–1.1	42.47N	142.86E	96–8	4.3,4.3		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ65.00000°,λ96.00000°. NP2:ϕ_s197.00000°,δ25.00000°,λ78.00000°. $M_0$2.57000×10^{16}
SZGRF Off southeast coast of Hokkaido, Japan.
MOS Error ellipse: s-maj=7.1km s-min=4.4km az=101.5.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.6km az=156.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s20.00000°,δ83.00000°,λ89.00000°. NP2: ϕ_s208.00000°,δ7.00000°,λ98.00000°. Principal axes: T Plg52.0000°,Azm289.0000° ; N Plg1.0000°,Azm20.0000°; P Plg38.0000°,Azm111.0000°
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.1km az=148.0. Recorded [3 JMA] in southern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu. Moment Tensor Solution. $M_0$2.60000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c38; s60,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}2.59±.14 $M_{\theta\theta}$-0.81±.12; $M_{\phi\phi}$-1.78±.13; $M_{r\theta}$0.33±.08; $M_{\theta\phi}$-1.23±.10; $M_{\phi r}$0.87±.08; Best double couple: NP1:ϕ_s219.00000°,δ36.00000°,λ97.00000°. NP2:ϕ_s30.00000°,δ55.00000°,λ85.00000°. Principal axes: T 2.7600,Plg79.0000° ,Azm279.0000°; N 0.0100,Plg4.0000°,Azm33.0000°; P -2.7700,Plg10.0000°,Azm123.0000° $M_0$2.80000×10^{16}
IDC Error ellipse: s-maj=11.1km s-min=8.3km az=129.0.

(174) Tonga Islands region

ISC	**IV**	**05 08 14 28.7–.40**	**22.44S–.07**	**174.80W–.06**	**31–2**	**5.1b,4.6s**	**494**	**8-170**
IDC	IV	05 08 14 23.9–.46	22.31S	174.94W	0	4.8,4.7		**¶12088419**
ISCJB	IV	05 08 14 26.9–.18	22.47S–.06	174.85W–.04	30	4.9b,4.6s		
BJI	IV	05 08 14 27.0	22.11S	174.62W	27	5.6b,5.2s		
GCMT	IV	05 08 14 27.3–.30	22.55S	174.21W	14–1	5.0W,5.2s		
MOS	IV	05 08 14 29.8–1.3	22.24S	174.93W	33	5.1b,5.2s		
NEIC	IV	05 08 14 29.0–.22	22.46S	174.87W	35	5.0b,5.2s		

ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=11.3km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=155.7.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s34,c40; s70,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}3.12±.19 $M_{\theta\theta}$-0.21±.12; $M_{\phi\phi}$-2.91±.13; $M_{r\theta}$1.09±.29; $M_{\theta\phi}$-0.83±.08; $M_{\phi r}$2.43±.28; Best double couple: NP1:ϕ_s190.00000°,δ25.00000°,λ80.00000°. NP2:ϕ_s21.00000°,δ65.00000°,λ95.00000°. Principal axes: T 4.1100,Plg69.0000° ,Azm300.0000°; N -0.0100,Plg4.0000°,Azm199.0000°; P -4.1100,Plg20.0000° ,Azm108.0000° $M_0$4.10000×10^{16}
MOS Error ellipse: s-maj=10.9km s-min=9.4km az=51.6.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.8km az=148.0.

(237) Southeast of Shikoku

ISC	**IV**	**05 09 36 26.5–.27**	**31.90N–.02**	**131.79E–.02**	**30–1**	**5.7b,5.5s**	**1586**	**0-167**
NIED	IV	05 09 36 00	31.90N	131.90E	32	5.8W,5.5s		**¶12742016**
BJI	IV	05 09 36 20.4	31.68N	132.17E	26	6.0s,5.9b		
IDC	IV	05 09 36 21.8–.33	31.94N	131.51E	0	5.5,5.5s		
SZGRF	IV	05 09 36 21.0	31.94N	132.19E	41	6.4s,5.7b		
NEIC	IV	05 09 36 26.2–.12	32.01N	131.42E	26	5.8b,5.8W		
ISCJB	IV	05 09 36 26.1–.08	32.00N–.02	131.44E–.02	32	5.7b,5.7s		
JMA	IV	05 09 36 26.3–.10	31.93N	131.89E	28–1	5.6,5.7s		
MOS	IV	05 09 36 26.2–1.3	32.00N	131.40E	33	5.9b,5.8s		
DJA	IV	05 09 36 28.1–2.1	32N–6.0	132E–6.0	40–22	6.2b,6.1		
TEH	IV	05 09 36 28.0	31.97N	131.76E	40	5.9L,6.1		

GCMT IV 05 09 36 30.9–.10 31.78N 132.06E 34–0 5.8W,6.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ74.00000°,λ84.00000°. NP2:ϕ_s216.00000°,δ17.00000°,λ110.00000°. M_ϕ4.88000×10^{17}
IDC Error ellipse: s-maj=11.9km s-min=9.9km az=91.0.
SZGRF Southeast of Shikoku, Japan.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.8km az=156.0. Felt at Kanoya, Kumamoto, Kurume, Miyazaki, Saiki and Shimabara. Recorded [4 JMA] in Miyazaki; [3 JMA] in Kagoshima, Kumamoto and Oita; [2 JMA] in Fukuoka, Nagasaki and Saga. Recorded [2 JMA] in Shimane and Yamaguchi and [1 JMA] in Hiroshima and Tottori, Honshu. Also recorded [2 JMA] in Ehime and Kochi, Shikoku. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s89 Moment tensor: Scale 10^{17}Nm; M_{rr}2.73 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-1.86 $M_{r\theta}$1.38 $M_{\theta\phi}$0.46 $M_{\phi r}$2.94 Best double couple: NP1:ϕ_s15.00000°,δ73.00000°,λ102.00000°. NP2:ϕ_s160.00000°,δ21.00000°,λ57.00000°. Principal axes: T 4.5500,Plg60.0000°,Azm301.0000° ; N -1.2400,Plg11.0000°,Azm191.0000°; P -3.3100,Plg26.0000°,Azm95.0000° M_ϕ4.10000×10^{17} Moment Tensor Solution. M_ϕ4.90000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=146.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s58.00000°,δ71.00000°,λ78.00000°. NP2:ϕ_s271.00000°,δ22.00000°,λ121.00000°. Principal axes: T Plg62.0000°,Azm310.0000°; N Plg11.0000°,Azm62.0000°; P Plg25.0000°,Azm157.0000°
MOS Error ellipse: s-maj=10.5km s-min=4.9km az=115.8.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=105, comp=217, per= 50. Moment Tensor Solution. s101,c209; s54,c59; Moment tensor: Scale 10^{17}Nm; M_{rr}4.15±.06 $M_{\theta\theta}$-1.02±.04; $M_{\phi\phi}$-3.14±.05; $M_{r\theta}$1.98±.07; $M_{\theta\phi}$-1.83±.04; $M_{\phi r}$3.28±.08; Best double couple: NP1:ϕ_s209.00000°,δ24.00000°,λ89.00000°. NP2:ϕ_s31.00000°,δ66.00000°,λ91.00000°. Principal axes: T 5.6400,Plg69.0000°,Azm302.0000°; N 0.0300,Plg1.0000°,Azm210.0000° ; P -5.6900,Plg21.0000°,Azm120.0000° M_ϕ5.70000×10^{17}

(426) Chagos Archipelago region

ISC	IV	05 12 56 15.4–.34	5.16S–.04	68.52E–.04	14–1	5.3b,5.2s	1274	5-158
BJI	IV	05 12 56 11.7	5.24S	68.41E	10	5.5b,5.4s	¶14405909	
ISCJB	IV	05 12 56 12.5–.94	5.25S–.03	68.53E–.02	8–5	5.2b,5.1s		
IDC	IV	05 12 56 12.7–.38	5.25S	68.59E	0	5.0s,5.0		
MOS	IV	05 12 56 14.5–2.5	5.30S	68.60E	10	5.6b,5.0s		
NEIC	IV	05 12 56 14.5–.13	5.26S	68.55E	10	5.6W,5.4b		
GCMT	IV	05 12 56 17.7–.10	5.36S	68.59E	12	5.6W,5.4b		
DJA	IV	05 12 56 19.8–2.1	5S–5.0	69E–3.0	32–16	5.7b,5.7		
SZGRF	IV	05 12 56 26.7	3.94S	66.90E	10	5.0b,4.3s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.0km az=163.2.
IDC Error ellipse: s-maj=12.8km s-min=10.7km az=31.0.
MOS Error ellipse: s-maj=10.3km s-min=4.0km az=120.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.6km az=208.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=225, per= 50. Moment Tensor Solution. s77,c114; s52,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.55±.03 $M_{\theta\theta}$1.52±.03; $M_{\phi\phi}$1.03±.03; $M_{r\theta}$1.10±.08; $M_{\theta\phi}$-1.34±.02; $M_{\phi r}$-0.25±.09; Best double couple: NP1:ϕ_s140.00000°,δ35.00000°,λ-73.00000°. NP2:ϕ_s299.00000°,δ56.00000°,λ-102.00000°. Principal axes: T 2.8300,Plg11.0000°,Azm38.0000°; N 0.0000,Plg10.0000°,Azm306.0000° ; P -2.8300,Plg75.0000°,Azm174.0000° M_ϕ2.80000×10^{17}
SZGRF South Indian Ocean.

(289) Timor region

ISC	IV	05 19 45 27.9–.34	9.43S–.03	124.19E–.04	17–1	5.3b,4.8s	693	2-174
BJI	IV	05 19 45 16.7	10.24S	124.61E	5	5.4b,5.1b	¶12088442	
IDC	IV	05 19 45 25.5–.39	9.22S	124.21E	0	4.8b,4.7		
NEIC	IV	05 19 45 27.0–.12	9.28S	124.16E	10	5.4b,4.9s		
ISCJB	IV	05 19 45 27.3–.76	9.42S–.03	124.16E–.03	24–5	5.2b,4.8s		
MOS	IV	05 19 45 27.0–1.8	9.30S	124.20E	33	5.6b,4.8s		
GCMT	IV	05 19 45 30.7–.20	9.40S	124.17E	12	5.1W,4.8s		
DJA	IV	05 19 45 31.0–.70	9S–2.0	124E–1.0	20–7	5.6b,5.2		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c40; s72,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.62±.15 $M_{\theta\theta}$-1.78±.12; $M_{\phi\phi}$5.40±.14; $M_{r\theta}$2.42±.40; $M_{\theta\phi}$2.84±.11; $M_{\phi r}$2.87±.36; Best double couple: NP1:ϕ_s349.00000°,δ35.00000°,λ-137.00000°. NP2:ϕ_s221.00000°,δ67.00000°,λ-63.00000°. Principal axes: T 7.5100,Plg18.0000° ,Azm292.0000°; N -2.1500,Plg24.0000°,Azm30.0000°; P -5.3600,Plg59.0000° ,Azm169.0000° M_ϕ6.40000×10^{16}

(390) Southern Italy

ISC	IV	06 01 32 42.6–.23	42.37N–.01	13.32E–.01	14–1	6.2s,5.9b	3731	0-166
BGS	IV	06 01 32 37.1–3.0	41.70N	12.67E	10	5.8s,5.6b	¶13438018	
MDD	IV	06 01 32 38.4–2.4	42.43N	13.79E	0	6.2b,5.6b		
BJI	IV	06 01 32 38.0	42.45N	12.89E	10	6.8s,6.6		
ISCJB	IV	06 01 32 39.5–.18	42.380N–.01	13.367E–.01	2–1	6.2s,5.8b		
STR	IV	06 01 32 39.4–.75	42.28N	13.57E	5	5.8L,5.8b		
BEO	IV	06 01 32 39.3–.56	42.25N	13.15E	1–12	6.5L,5.8b		
NEIC	IV	06 01 32 39.0	42.33N	13.33E	9	6.3W,6.3W		
LDG	IV	06 01 32 39.8–.11	42.38N	13.45E	2	5.8s,5.6L		
PDA	IV	06 01 32 39.0	42.33N	13.33E	9	6.3W,5.6L		
PRU	IV	06 01 32 39.6	42.25N	13.53E	0	5.9,5.6L		
MOS	IV	06 01 32 40.7–1.1	42.43N	13.32E	14	6.2s,6.0b		
ROM	IV	06 01 32 40.4–.05	42.34N	13.38E	8–0	5.9L,6.0b		
IDC	IV	06 01 32 40.7–.32	42.46N	13.28E	0	6.2,6.2s		
CSEM	IV	06 01 32 40.9–.04	42.37N	13.33E	2	6.2W,6.1s		
PDG	IV	06 01 32 40.4–1.0	42.40N	13.37E	6–1	6.2L,6.2		
IGIL	IV	06 01 32 40.4	42.38N	13.32E	2	5.7b,6.2		
NIC	IV	06 01 32 41.4–1.0	42.38N	13.32E	2	5.7b,6.2		
TIR	IV	06 01 32 41.9	42.67N	14.15E	0	5.7b,6.2		
CRAAG	IV	06 01 32 41.4	42.38N	13.32E		6.3W,6.2		
SFS	IV	06 01 32 42.0	42.62N	13.39E	10	6.3L,6.2		
TEH	IV	06 01 32 42.0	42.42N	13.40E	10	6.3L,6.2		
THE	IV	06 01 32 43.7	42.37N	13.77E	1–12	6.5L,6.2		
GEN	IV	06 01 32 43.6	42.33N	13.33E	9	5.8L,6.2		
GCMT	IV	06 01 32 49.2–.10	42.29N	13.35E	12	6.3W,6.2		

ISC Event type de.
BGS Error ellipse: s-maj=99.0km s-min=47.5km az=-1.0.
MDD Error ellipse: s-maj=35.6km s-min=21.2km az=19.0.
ISCJB Event type de. Error ellipse: s-maj=1.2km s-min=0.8km az=18.8.
STR Event type ke.
BEO Event type ke.
NEIC Event type de. At least 295 people killed, 1,000 injured, 55,000 homeless, 15,000 buildings damaged or destroyed and landslides in the L'Aquila area. Felt [VII] at L'Aquila; [VI] at Corfinio and San Demetrio ne' Vestini; [V] at Avezzano, Chieti, Pescara, Rieti, San Benedetto del Tronto, Sulmona and Teramo; [IV] at Amelia, Ancona, Ascoli Piceno, Castelfrentano, Fiumicino, Fondi, Francavilla al Mare, Frosinone, Guidonia, Isernia, Lanciano, Latina, Macerata, Montesilvano, Naples, Osimo, Pesaro, Rome and Terni. Felt throughout central Italy and as far north as Florence, Milan and Venice and as far south as Bari and Salerno. Also felt in San Marino and at Vienna, Austria; Tirana, Albania; Knin, Croatia; Nuremberg, Germany; San Gwann, Malta; Celje, Slovenia; Zurich, Switzerland and Podgorica, Montenegro. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After ROM. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s220.00000°,δ65.00000°,λ-30.00000°. NP2: ϕ_s324.00000°,δ63.00000°,λ-152.00000°. Principal axes: T Plg1.0000°,Azm272.0000° ; N Plg0.0000°,Azm0.0000°; P Plg38.0000°,Azm181.0000° Moment Tensor Solution. s99 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.34 $M_{\theta\theta}$0.92 $M_{\phi\phi}$1.42 $M_{r\theta}$-1.72 $M_{\theta\phi}$-0.81 $M_{\phi r}$-0.60 Best double couple: NP1:ϕ_s113.00000°,δ60.00000°,λ-118.00000°. NP2:ϕ_s340.00000° ,δ40.00000°,λ-51.00000°. Principal axes: T 2.1200,Plg10.0000°,Azm222.0000° ; N 1.1200,Plg23.0000°,Azm128.0000°; P -3.2500,Plg63.0000°,Azm335.0000° M_ϕ2.80000×10^{18} Moment Tensor Solution. M_ϕ2.30000×10^{18} Moment Tensor Solution. M_ϕ3.70000×10^{18}
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=33.0.
PRU Damaging Earthquake In Aquila, 287 Victims.
MOS Error ellipse: s-maj=10.8km s-min=6.9km az=104.1.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=59.0.
IDC Error ellipse: s-maj=9.3km s-min=7.0km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=19.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
NIC Earthquake Central Italy 7 km NW LAquila.
SFS Event type ke.
THE Event type ke. Error ellipse: s-maj=20.5km s-min=1.4km az=284.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 103 sta. Surface waves: sta=124, comp=305, per= 50. Moment Tensor Solution. s112,c270; s99,c179; Moment tensor: Scale 10^{18}Nm; M_{rr}-3.30±.02 $M_{\theta\theta}$1.43±.02; $M_{\phi\phi}$1.87±.02; $M_{r\theta}$-1.43±.04; $M_{\theta\phi}$-1.77±.01; $M_{\phi r}$-0.27±.04; Best double couple: NP1:ϕ_s336.00000°,δ42.00000°,λ-62.00000°. NP2:ϕ_s120.00000°,δ54.00000°,λ-113.00000°. Principal axes: T 3.5200,Plg7.0000° ,Azm226.0000°; N 0.2800,Plg18.0000°,Azm134.0000°; P -3.8000,Plg70.0000° ,Azm335.0000° M_ϕ3.70000×10^{18}

(381) Central Italy

ISC	IV	06 02 37 06.0–.35	42.39N–.01	13.31E–.01	15–1	4.9s,4.6b	1649	0-128
STR	IV	06 02 36 55.2–3.6	41.96N	14.27E	10	4.6L,4.6b	¶13438019	
BJI	IV	06 02 36 59.8	42.51N	12.61E	6	5.7b,5.1s		
TIR	IV	06 02 37 02.7	41.87N	13.95E	0	5.7b,5.1s		
ISCJB	IV	06 02 37 03.4–.22	42.45N–.01	13.33E–.01	3–1	5.0s,4.5b		
MOS	IV	06 02 37 03.9–1.0	42.46N	13.32E	10	4.7b,4.4s		
THE	IV	06 02 37 03.2	42.60N	13.31E	0–24	5.0L,4.4s		
LDG	IV	06 02 37 04.2–.10	42.42N	13.33E	2	4.6L,4.4s		
ROM	IV	06 02 37 04.2–.09	42.36N	13.33E	9–1	4.6L,4.4s		
NEIC	IV	06 02 37 04.0	42.37N	13.34E	10	5.1W,4.9b		
IDC	IV	06 02 37 04.2–.43	42.47N	13.21E	0	4.4,4.4		
CSEM	IV	06 02 37 04.5–.05	42.40N	13.30E	2	5.0L,4.9W		
BEO	IV	06 02 37 05.3–.72	42.47N	13.31E	1–15	4.8L,4.9W		
PRU	IV	06 02 37 05.1	42.42N	13.52E	0	4.9,4.9W		
PDG	IV	06 02 37 05.2–1.1	42.43N	13.32E	9–1	4.6L,4.9W		
TEH	IV	06 02 37 06.0	42.51N	13.40E	10	4.8L,4.9W		
GEN	IV	06 02 37 07.2	42.37N	13.34E	10	4.6L,4.9W		

ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.2km az=21.4.
MOS Error ellipse: s-maj=3.5km s-min=2.5km az=99.5.
THE Event type ke. Error ellipse: s-maj=38.5km s-min=3.0km az=284.0.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=40.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=42.0.
NEIC Event type fe. Felt [VI] at L'Aquila; [V] at Rieti and Teramo; [IV] at Ascoli Piceno, Avezzano, Chieti, Pescara, Roseto degli Abruzzi, Sulmona and Tivoli; [III] at Ancona, Foligno, Rome and Terni. Felt throughout central Italy and as far as Cesena and Naples. After ROM. Moment Tensor Solution. M_ϕ2.70000×10^{16} Moment Tensor Solution. M_ϕ5.50000×10^{16}
IDC Error ellipse: s-maj=9.9km s-min=8.0km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=23.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.

(706) Northern Sumatera

ISC	IV	06 03 14 43.7–.95	2.71N–.07	96.05E–.09	25	4.0b	20	2-81
IDC	IV	06 03 14 39.2–1.6	2.63N	95.75E	0	4.1,4.0L	¶12934683	
DJA	IV	06 03 14 47.7–1.7	3N–6.0	96E–18	13–14	5.6b,5.1		

ISC Event type ke.

(221) Kuril Islands

ISC	IV	06 09 47 40.4–.34	48.33N–.04	154.92E–.03	59–2	5.0b,4.5s	1159	2-156
NIED	IV	06 09 47 00	48.80N	154.90E	17	4.9W,4.5s	¶16152449	
IDC	IV	06 09 47 32.8–.41	48.38N	154.77E	0	4.7,4.7		
SKHL	IV	06 09 47 35.8–.30	48.21N	155.51E	53–1	5.9s,5.7b		
KRSC	IV	06 09 47 36.0–1.4	48.08N	156.23E	75–25	5.4L,5.7b		
BJI	IV	06 09 47 36.8	48.48N	155.11E	60	4.9b,4.8b		
MOS	IV	06 09 47 37.0–.92	48.38N	154.91E	38	5.2b,4.4s		
ISCJB	IV	06 09 47 39.0–.10	48.40N–.02	154.86E–.02	56	4.9b,4.5s		
NEIC	IV	06 09 47 39.7–.44	48.39N	154.82E	47–3	5.1b,4.5s		
SZGRF	IV	06 09 47 41.7	49.83N	154.55E	33	5.3b,4.6s		
GCMT	IV	06 09 47 41.9–.20	48.35N	155.17E	34–0	5.1W,4.6s		
DJA	IV	06 09 47 43.6–6.5	49N–11	155E–23	89–53	5.4b,4.9b		
BGS	IV	06 09 47 56.9–2.1	50.54N	149.56E	47	5.1b,4.9b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ66.00000°,λ110.00000°. NP2:ϕ_s359.00000°,δ31.00000°,λ53.00000°. M_ϕ2.76000×10^{16}
IDC Error ellipse: s-maj=13.6km s-min=8.9km az=148.0.
KRSC Event type se.
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=89.8.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.7km az=159.7.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.2km az=167.0.
SZGRF Kuril Islands, Russia.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c74; s74,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}4.40±.17 $M_{\theta\theta}$-1.63±.11; $M_{\phi\phi}$-2.78±.11; $M_{r\theta}$1.32±.14; $M_{\theta\phi}$-2.37±.07; $M_{\phi r}$1.03±.13; Best double couple: NP1:ϕ_s213.00000°,δ35.00000°,λ82.00000°. NP2:ϕ_s43.00000°,δ55.00000°,λ96.00000°. Principal axes: T 4.7200,Plg79.0000° ,Azm335.0000°; N 0.2000,Plg5.0000°,Azm220.0000°; P -4.9300,Plg10.0000°,Azm129.0000° M_ϕ4.80000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(381) Central Italy

ISC	IV	06 23 15 38.9–.34	42.46N–.01	13.37E–.01	15–1	4.9b,4.5s	1753	0-128
BGS	IV	06 23 15 06.0–3.1	39.30N	13.17E	10	4.9b,4.5s	¶12576626	
STR	IV	06 23 15 23.2–5.1	41.73N	14.65E	10	4.5L,4.5s		
TIR	IV	06 23 15 33.3	42.94N	13.37E	0	4.5L,4.5s		
BEO	IV	06 23 15 33.3–3.4	42.40N	12.47E	0	5.4L,4.5s		
BJI	IV	06 23 15 34.9	42.62N	13.17E	6	5.2b,5.1s		
ISCJB	IV	06 23 15 36.6–.18	42.494N–.01	13.376E–.01	12–1	4.8b,4.5s		
IDC	IV	06 23 15 37.0–.41	42.55N	13.34E	0	4.6,4.6b		
PDG	IV	06 23 15 37.0–.53	42.48N	13.40E	9–0	5.0,4.9L		
LDG	IV	06 23 15 36.1–.09	42.48N	13.42E	2	4.5L,4.9L		
PRU	IV	06 23 15 36.9	42.49N	13.61E	0	4.9,4.9L		
ROM	IV	06 23 15 36.7–.08	42.46N	13.39E	10–1	5.0L,4.9L		
MOS	IV	06 23 15 37.3–.95	42.52N	13.37E	16	5.1b,4.4s		
NEIC	IV	06 23 15 37.0	42.45N	13.36E	9	5.2L,5.1W		
CSEM	IV	06 23 15 37.2–.06	42.46N	13.35E	2	5.1W,5.0b		
CRAAG	IV	06 23 15 37.6	42.47N	13.41E		5.0b,5.0b		
TEH	IV	06 23 15 38.0	42.47N	13.39E	2	4.9L,5.0b		
DJA	IV	06 23 15 38.2–1.1	42N–11	13E–15	10	5.1b,4.5b		
GEN	IV	06 23 15 40.2	42.45N	13.36E	9	4.5L,4.5b		
GCMT	IV	06 23 15 42.3–.20	42.47N	13.27E	12	5.1W,4.5b		

ISC Event type fe.
BGS Error ellipse: s-maj=654.2km s-min=999.9km az=-1.0.
STR Event type ke.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=21.7.
IDC Error ellipse: s-maj=9.9km s-min=7.6km az=104.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=32.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=65.0.
MOS Error ellipse: s-maj=3.1km s-min=2.3km az=102.2.
NEIC Event type fe. Felt strongly at L'Aquila. Felt [IV] at Ascoli Piceno, Camerino, Chieti, Foligno, Francavilla al Mare, Guidonia, Lanciano, Macerata, Martinsicuro, Montesilvano, Pescara, Rieti, Roseto degli Abruzzi, San Benedetto del Tronto, Spoleto, Sulmona, Teramo and Terni; [III] at Ancona, Avezzano, Ciampino, Foligno, Ortona, Perugia, Rocca di Papa and Rome. Felt from Imola and Prato to Foggia and Salerno. After ROM. Moment Tensor Solution. M_ϕ3.20000×10^{16} Moment Tensor Solution. M_ϕ5.00000×10^{16}
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=25.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c83; s87,c159; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.81±.08 $M_{\theta\theta}$1.12±.09; $M_{\phi\phi}$3.70±.09; $M_{r\theta}$-1.66±.26; $M_{\theta\phi}$-2.37±.07; $M_{\phi r}$0.21±.25; Best double couple: NP1:ϕ_s344.00000°,δ41.00000°,λ-67.00000°. NP2:ϕ_s135.00000°,δ53.00000°,λ-108.00000°. Principal axes: T 5.2200,Plg6.0000° ,Azm238.0000°; N 0.0600,Plg15.0000°,Azm146.0000°; P -5.2600,Plg74.0000° ,Azm350.0000° M_ϕ5.20000×10^{16}

(221) Kuril Islands

ISC	IV	07 04 23 34.1–.26	46.06N–.03	151.64E–.02	40–1	6.8s,6.3b	2518	3-160
NIED	IV	07 04 23 00	46.00N	152.20E	44	6.8W,6.3b	¶12742052	
BJI	IV	07 04 23 29.2	46.22N	151.93E	30	7.0b,6.8s		
JMA	IV	07 04 23 30.1–.60	46.01N	152.19E	30	6.7,6.8s		
SKHL	IV	07 04 23 31.5–.20	45.90N	152.15E	35–1	7.2b,6.9s		
ISCJB	IV	07 04 23 32.3–.33	46.04N–.02	151.59E–.01	36–3	6.8s,6.3b		
IDC	IV	07 04 23 33.5–1.1	46.10N	151.57E	33–6	6.8,6.8s		
NEIC	IV	07 04 23 33.1–.10	46.05N	151.55E	31	6.9W,6.9W		
MOS	IV	07 04 23 33.3–1.7	46.02N	151.67E	56	6.9s,6.7b		
SZGRF	IV	07 04 23 34.7	47.27N	151.44E	33	7.1s,6.3b		
DJA	IV	07 04 23 34.4–2.4	46N–6.0	152E–8.0	33–17	7.0b,6.9		

TEH IV 07 04 23 34.0 46.14N 151.42E 39 7.0L,6.9
BGS IV 07 04 23 36.1–1.8 46.88N 153.58E 33 6.7s,6.2b
GCMT IV 07 04 23 41.0–.00 46.00N 151.99E 43–0 6.9W,6.2b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s341.00000°,δ60.00000°,λ48.00000°. NP2:ϕ_s222.00000°,δ50.00000°,λ139.00000°. M_o1.51000×10^{19}
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
SKHL Event type fe. Felt (III-IV) at Kurilsk, (II) at Severo-Kurilsk, Yushno-Kurilsk.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.5km az=159.3.
IDC Error ellipse: s-maj=9.3km s-min=7.1km az=127.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=159.0. Felt [IV] at Kuril'sk and [II] at Severo-Kuril'sk and Yuzhno-Kuril'sk. Felt at Sapporo, Hokkaido. Recorded [3 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s130 Moment tensor: Scale 10^{19}Nm; M_{rr}1.50 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-1.07 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.40 $M_{\phi r}$0.94 Best double couple: NP1:ϕ_s31.00000° ,δ65.00000°,λ94.00000°. NP2:ϕ_s202.00000°,δ25.00000°,λ82.00000°. Principal axes: T 1.9200,Plg69.0000°,Azm308.0000°; N -0.2500,Plg3.0000°,Azm209.0000° ; P -1.6700,Plg19.0000°,Azm118.0000° M_o1.80000×10^{19} Moment Tensor Solution. M_o3.20000×10^{19}
MOS Event type fe. Error ellipse: s-maj=8.9km s-min=4.0km az=102.3. Fault plane solution: P-wave C225, D12 . Felt (III-IV) at Kuril'sk; (II) at Severo-Kuril'sk, Yuzhno-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s219.00000°,δ32.00000° ,λ97.00000°. NP2:ϕ_s31.00000°,δ58.00000°,λ86.00000°. Principal axes: T Plg77.0000° ,Azm289.0000°; N Plg4.0000°,Azm34.0000°; P Plg13.0000°,Azm124.0000° M_o9.60000×10^{19}
SZGRF Kuril Islands, Russia.
BGS Error ellipse: s-maj=172.8km s-min=541.5km az=-1.0.
GCMT Event type se. Data Used: II IU IC G. LP body wave period 50 sec. Mantle waves from 109 sta. Surface waves: sta=117, comp=312, per= 50. Moment Tensor Solution. s114,c304; s99,c261; Moment tensor: Scale 10^{19}Nm; M_{rr}2.08±.01 $M_{\theta\theta}$-0.80±.01; $M_{\phi\phi}$-1.28±.01; $M_{r\theta}$0.41±.01; $M_{\theta\phi}$-1.19±.01; $M_{\phi r}$1.24±.01; Best double couple: NP1:ϕ_s231.00000°,δ31.00000° ,λ110.00000°. NP2:ϕ_s28.00000°,δ61.00000°,λ78.00000°. Principal axes: T 2.4900,Plg72.0000°,Azm271.0000°; N 0.0900,Plg10.0000°,Azm34.0000° ; P -2.5800,Plg15.0000°,Azm127.0000° M_o2.50000×10^{19}

(171) South of Fiji Islands

IDC	**IV**	**07 04 32 53.6–2.1**	**22.73S**	**176.01W**	**0**	**5.8s,5.8**		**¶16152489**
IDC	Error ellipse: s-maj=101.5km s-min=39.5km az=148.0.							

(381) Central Italy

ISC	**IV**	**07 09 26 30.8–.33**	**42.36N–.02**	**13.34E–.02**	**14–1**	**4.9b,4.8s**	**1588**	**0-135**
STR	IV	07 09 26 59.6–5.4	41.00N	15.95E	10	4.4L,4.8s		**¶13438112**
BJI	IV	07 09 26 25.3	42.31N	13.03E	5	5.2b,5.1s		
BEO	IV	07 09 26 26.5–.93	42.14N	13.02E	10–24	5.0L,5.1s		
ISCJB	IV	07 09 26 28.2–.21	42.39N–.01	13.39E–.01	4–1	4.8b,4.8s		
IDC	IV	07 09 26 28.5–.40	42.41N	13.28E	0	4.6b,4.6		
CRAAG	IV	07 09 26 28.7	42.29N	13.34E		4.9b,4.6		
PDG	IV	07 09 26 28.7–.71	42.26N	13.36E	4–2	4.8,4.7L		
LDG	IV	07 09 26 28.6–.12	42.32N	13.48E	2	4.4L,4.7L		
NEIC	IV	07 09 26 28.0	42.34N	13.39E	10	5.0W,5.0L		
ROM	IV	07 09 26 28.6–.06	42.34N	13.39E	10–0	4.8L,5.0L		
MOS	IV	07 09 26 29.5–.95	42.43N	13.38E	16	5.1b,4.6s		
CSEM	IV	07 09 26 30.0–.06	42.40N	13.34E	5	4.9W,4.8L		
PRU	IV	07 09 26 30.1	42.40N	13.46E	0	4.9,4.8L		
GEN	IV	07 09 26 31.9	42.34N	13.39E	10	4.8L,4.8L		
TEH	IV	07 09 26 31.0	42.43N	13.38E	13	4.8L,4.8L		
ISC	Event type fe.							
STR	Event type ke.							
BEO	Event type ke.							
ISCJB	Event type fe. Error ellipse: s-maj=1.8km s-min=1.3km az=12.2.							
IDC	Error ellipse: s-maj=9.7km s-min=8.0km az=108.0.							
PDG	Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.							
LDG	Event type ke. Error ellipse: s-maj=4.4km s-min=2.3km az=23.0.							
NEIC	Event type fe. Felt [V] at L'Aquila; [IV] at Avezzano, Sulmona and Villa Adriana; [III] at Alatri, Ascoli Piceno, Cassino, Castelliri, Chieti, Fara San Martino, Guardiagrele, Lanciano, Latina, Magliano de' Marsi, Mentana, Palena, Pescara, Rieti, Rome and Viterbo. Felt throughout Abruzzo, Lazio, Marche, Molise and Umbria and in northwestern Campania, including Naples. After ROM. Moment Tensor Solution. M_o2.30000×10^{16} Moment Tensor Solution. M_o4.60000×10^{16}							
ROM	Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=114.0.							
MOS	Error ellipse: s-maj=3.4km s-min=2.8km az=90.3.							
CSEM	Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=22.0.							

(739) Azores-Cape St. Vincent Ridge

ISC	**IV**	**07 15 18 42.5–.42**	**37.63N–.04**	**17.41W–.03**	**14–2**	**5.0b,4.2s**	**1290**	**5-152**
SFS	IV	07 15 18 37.0	37.85N	17.70W	0	5.2L,4.2s		**¶13438130**
LDG	IV	07 15 18 38.3–.13	37.51N	17.35W	2	5.3L,3.8s		
BJI	IV	07 15 18 39.1	37.89N	17.82W	7	5.3b,5.1s		
IDC	IV	07 15 18 40.3–.39	37.68N	17.48W	0	4.8,4.7L		
CSEM	IV	07 15 18 40.2–.10	37.65N	17.34W	2	5.2W,5.0b		
MOS	IV	07 15 18 40.1–.81	37.69N	17.47W	10	5.1b,5.0b		
IGIL	IV	07 15 18 40.1	37.65N	17.50W	2	5.3L,5.0b		
ISCJB	IV	07 15 18 40.0–.10	37.56N–.02	17.30W–.01	13	4.9b,4.2s		
NEIC	IV	07 15 18 41.9–.21	37.66N	17.39W	10	5.0b,4.2s		
MDD	IV	07 15 18 42.0–1.4	37.74N	17.49W	27–21	5.6b,4.2s		
PDA	IV	07 15 18 43.3–8.0	37.60N	17.45W	14–999	6.6L,4.2s		
SZGRF	IV	07 15 18 44.7	37.11N	16.24W	10	5.1b,3.7s		
INMG	IV	07 15 18 45.2–2.4	37.77N	17.51W	10	5.0L,3.7s		
GCMT	IV	07 15 18 45.9–.30	37.67N	17.47W	35–1	5.0W,3.7s		
BGS	IV	07 15 18 46.4–2.5	37.77N	16.51W	5	5.3b,3.7s		
CNRM	IV	07 15 19 02.6	37.06N	15.79W	30	4.4,3.7s		
ISC	Event type ke.							
SFS	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=162.0.							
IDC	Error ellipse: s-maj=12.1km s-min=9.5km az=140.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=173.0.							
MOS	Error ellipse: s-maj=9.0km s-min=3.3km az=135.0.							
ISCJB	Event type ke. Error ellipse: s-maj=2.8km s-min=1.5km az=175.1.							
NEIC	Event type se. Error ellipse: s-maj=5.9km s-min=2.9km az=167.0.							
MDD	Error ellipse: s-maj=17.5km s-min=6.8km az=112.0. PRXIMO.							
PDA	Event type ke.							
SZGRF	Azores-Cape St. Vincent Ridge.							
INMG	Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=139.0.							
GCMT	Event type se. Data Used: II IU IC G. Moment Tensor Solution. s42,c58; s71,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.03±.24 $M_{\theta\theta}$-0.41±.16; $M_{\phi\phi}$2.44±.17; $M_{r\theta}$-0.74±.21; $M_{\theta\phi}$-4.01±.13; $M_{\phi r}$0.36±.18; Best double couple: NP1:ϕ_s9.00000°,δ74.00000°,λ-8.00000°. NP2:ϕ_s102.00000°,δ82.00000°,λ-164.00000°. Principal axes: T 5.3400,Plg6.0000° ,Azm235.0000°; N -1.9800,Plg72.0000°,Azm127.0000°; P -3.3600,Plg17.0000° ,Azm326.0000° M_o4.40000×10^{16}							
BGS	Error ellipse: s-maj=111.2km s-min=60.3km az=-1.0.							

(381) Central Italy

ISC	**IV**	**07 17 47 38.0–.24**	**42.32N–.01**	**13.47E–.01**	**16–1**	**5.4s,5.4b**	**2698**	**0-164**
STR	IV	07 17 47 21.0–4.0	41.62N	15.01E	10	5.3L,5.4b		**¶16194279**
BJI	IV	07 17 47 34.5	42.64N	13.37E	4	5.8s,5.5		
IDC	IV	07 17 47 35.5–.33	42.37N	13.46E	0	5.3,5.3s		
ISCJB	IV	07 17 47 36.7–.16	42.349N–.01	13.499E–.01	13–1	5.4s,5.3b		
LDG	IV	07 17 47 36.0–.08	42.39N	13.55E	2	5.3L,5.3b		
MOS	IV	07 17 47 36.3–1.1	42.37N	13.43E	14	5.6b,5.3s		
CSEM	IV	07 17 47 37.9–.05	42.35N	13.45E	10	5.4b,5.4W		
PDA	IV	07 17 47 37.6	42.32N	13.42E	13	5.4b,5.4W		
ROM	IV	07 17 47 37.3–.04	42.30N	13.49E	17–1	5.4L,5.4W		
CRAAG	IV	07 17 47 37.4	42.33N	13.46E		5.5b,5.4W		
PDG	IV	07 17 47 37.4–.39	42.32N	13.44E	20–0	5.6,5.5L		
NEIC	IV	07 17 47 37.0	42.28N	13.46E	15	5.7L,5.6L		
PRU	IV	07 17 47 38.6	42.43N	13.57E	0	5.4,5.6L		
SFS	IV	07 17 47 38.0	42.35N	13.41E	13	5.6L,5.6L		
BEO	IV	07 17 47 40.8–.74	42.57N	13.71E	0	5.8L,5.6L		
BGS	IV	07 17 47 40.0–1.9	42.40N	13.07E	10	5.4b,5.2s		
GCMT	IV	07 17 47 42.8–.10	42.31N	13.39E	17–0	5.5W,5.2s		
ISC	Event type de.							
STR	Event type ke.							
IDC	Error ellipse: s-maj=6.9km s-min=5.8km az=105.0.							
ISCJB	Event type de. Error ellipse: s-maj=1.3km s-min=1.0km az=22.6.							
LDG	Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=47.0.							
MOS	Error ellipse: s-maj=3.2km s-min=2.5km az=97.2.							
CSEM	Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=28.0.							
ROM	Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=74.0.							
PDG	Event type ke. Error ellipse: s-maj=0.8km s-min=1.6km az=0.0.							
NEIC	Event type de. One person was killed and additional damage to buildings in L'Aquila. Felt [VI] at L'Aquila and Manoppello; [V] at Alatri, Camerino, Celano, Penne, Pratola Peligna, Roseto degli Abruzzi, Sambuceto, Sulmona and Teramo; [IV] at Ancona, Ascoli Piceno, Avezzano, Cassino, Chieti, Colleferro, Falconara Maritima, Fermo, Francavilla al Mare, Frosinone, Guidonia, Lanciano, Lariano, Latina, Macerata, Mentana, Monterotondo, Montesilvano, Pesaro, Pescara, Rieti, Rome, San Benedetto del Tronto, Sora, Termoli and Terni. Felt throughout central Italy; as far north and northwest as Belluno and Parma and as far southeast as Bari and Lamezia Terme. Also felt along the northern coast of Sicily. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After ROM. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s335.00000°,δ60.00000°,λ-40.00000°. NP2:ϕ_s88.00000°,δ56.00000°,λ-143.00000°. Principal axes: T Plg2.0000°,Azm32.0000°; N Plg0.0000°,Azm0.0000°; P Plg48.0000° ,Azm300.0000° Moment Tensor Solution. s70 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96 $M_{\theta\theta}$0.22 $M_{\phi\phi}$0.74 $M_{r\theta}$-0.61 $M_{\theta\phi}$-1.33 $M_{\phi r}$-0.75 Best double couple: NP1:ϕ_s106.00000° ,δ56.00000°,λ-146.00000°. NP2:ϕ_s355.00000°,δ63.00000°,λ-40.00000°. Principal axes: T 1.8500,Plg4.0000°,Azm52.0000°; N 0.0200,Plg43.0000°,Azm146.0000° ; P -1.8700,Plg46.0000°,Azm317.0000° M_o1.90000×10^{17} Moment Tensor Solution. M_o2.90000×10^{17}
SFS	Event type ke.							
BEO	Event type ke.							
BGS	Error ellipse: s-maj=74.0km s-min=37.3km az=-1.0.							
GCMT	Event type se. Data Used: II IU IC G. Surface waves: sta= 94, comp=196, per= 50. Moment Tensor Solution. s74,c139; s13,c13; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.51±.03 $M_{\theta\theta}$0.84±.03; $M_{\phi\phi}$0.67±.03; $M_{r\theta}$-1.11±.08; $M_{\theta\phi}$-1.55±.02; $M_{\phi r}$-1.08±.08; Best double couple: NP1:ϕ_s345.00000°,δ55.00000°,λ-41.00000°. NP2:ϕ_s101.00000°,δ57.00000°,λ-138.00000°. Principal axes: T 2.3100,Plg1.0000°,Azm223.0000°; N 0.4300,Plg38.0000°,Azm132.0000° ; P -2.7400,Plg52.0000°,Azm314.0000° M_o2.50000×10^{17}

(221) Kuril Islands

ISC	**IV**	**07 18 38 04.4–.35**	**46.06N–.06**	**151.91E–.04**	**39–2**	**4.5b,4.2s**	**472**	**3-153**
BJI	IV	07 18 37 59.0	45.71N	152.58E	40	5.0b,4.5s		**¶13438136**
MOS	IV	07 18 38 02.8–.90	46.05N	151.93E	38	4.8b,4.5s		
JMA	IV	07 18 38 02.0–.50	46.07N	152.28E	30	4.8,4.5s		
ISCJB	IV	07 18 38 03.8–.53	45.99N–.04	151.92E–.03	48–5	4.5b,4.2s		
SKHL	IV	07 18 38 04.4–1.4	46.02N	152.26E	62–15	5.5s,4.9b		
NEIC	IV	07 18 38 05.5–.63	46.08N	151.86E	48–5	4.7b,4.9b		
IDC	IV	07 18 38 07.3–2.5	46.16N	151.84E	63–22	4.1s,4.1		
ISC	Event type se.							
MOS	Error ellipse: s-maj=9.9km s-min=6.0km az=84.7.							
JMA	Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.7km s-min=3.3km az=164.4.							
NEIC	Event type se. Error ellipse: s-maj=8.8km s-min=4.6km az=149.0.							
IDC	Error ellipse: s-maj=18.2km s-min=11.6km az=153.0.							

(49) Gulf of California

ISC	**IV**	**07 19 02 03.0–.60**	**24.17N–.06**	**109.11W–.05**	**10**	**4.5b,4.1s**	**243**	**1-130**
BJI	IV	07 19 02 00.9	24.00N	109.00W	10	5.7b,5.1b		**¶12099442**
ISCJB	IV	07 19 02 02.5–.53	24.15N–.05	108.92W–.04	10	4.4b,4.1s		
NEIC	IV	07 19 02 02.3–.69	24.03N	109.12W	10	4.6b,4.1s		
IDC	IV	07 19 02 03.1–.99	24.29N	109.62W	0	4.1,4.0b		
MEX	IV	07 19 02 06.8–.29	24.39N	108.97W	13–6	4.5,4.0b		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=7.3km s-min=3.8km az=28.6.							
NEIC	Event type fe. Error ellipse: s-maj=11.1km s-min=7.5km az=217.0. Felt at Cabo San Lucas and Los Cabos, Baja California Sur.							
IDC	Error ellipse: s-maj=23.2km s-min=13.7km az=136.0.							
MEX	Error ellipse: s-maj=4.3km s-min=3.7km az=-1.0.							

(221) Kuril Islands

ISC	**IV**	**08 00 59 13.5–.34**	**46.11N–.04**	**151.73E–.03**	**32–1**	**5.2b,4.3s**	**1454**	**3-154**
NIED	IV	08 00 59 00	46.00N	152.10E	35	4.9W,4.3s		**¶13438147**
BGS	IV	08 00 59 01.6–1.8	44.40N	155.48E	40	5.3b,4.3s		
BJI	IV	08 00 59 08.8	46.30N	152.18E	30	5.1b,5.0b		
JMA	IV	08 00 59 12.0–.80	46.05N	152.12E	30	5.5,5.0b		
ISCJB	IV	08 00 59 13.4–.37	46.13N–.02	151.64E–.02	42–3	5.2b,4.4s		
IDC	IV	08 00 59 13.8–2.4	46.20N	151.54E	33–17	4.8,4.8		
MOS	IV	08 00 59 13.1–.99	46.17N	151.54E	44	5.4b,4.3s		
SKHL	IV	08 00 59 13.3–.20	46.05N	152.09E	35–1	5.7b,5.6		
NEIC	IV	08 00 59 15.4–.50	46.16N	151.57E	46–4	5.2b,5.6		
GCMT	IV	08 00 59 18.5–.30	46.11N	151.90E	46–1	5.0W,5.6		
SZGRF	IV	08 00 59 19.4	47.73N	150.14E	33	5.3b,4.2s		
ISC	Event type se.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s6.00000°,δ68.00000°,λ67.00000°. NP2: ϕ_s235.00000°,δ31.00000°,λ135.00000°. M_o2.23000×10^{16}							
BGS	Error ellipse: s-maj=608.5km s-min=999.9km az=-1.0.							
JMA	Error ellipse: s-maj=6.7km s-min=6.9km az=-1.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.1km s-min=1.9km az=165.0.							
IDC	Error ellipse: s-maj=11.3km s-min=8.6km az=145.0.							
MOS	Error ellipse: s-maj=8.0km s-min=6.0km az=78.3.							
NEIC	Event type se. Error ellipse: s-maj=3.8km s-min=2.2km az=160.0.							
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c68; s80,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}3.36±.15 $M_{\theta\theta}$-1.24±.11; $M_{\phi\phi}$-2.13±.11; $M_{r\theta}$0.70±.10; $M_{\theta\phi}$-2.47±.08; $M_{\phi r}$1.93±.09; Best double couple: NP1:ϕ_s234.00000°,δ33.00000°,λ111.00000°. NP2:ϕ_s28.00000°,δ60.00000°,λ77.00000°. Principal axes: T 3.9700,Plg72.0000° ,Azm267.0000°; N 0.6800,Plg11.0000°,Azm35.0000°; P -4.6600,Plg14.0000°,Azm128.0000° M_o4.30000×10^{16}
SZGRF	Kuril Islands, Russia.							

(732) East of South Sandwich Islands

ISC	**IV**	**08 06 26 53.5–.27**	**58.01S–.06**	**7.27W–.06**	**10**	**5.1b,5.0s**	**302**	**13-171**
ISCJB	IV	08 06 26 51.2–.27	57.96S–.04	7.36W–.10	10	5.1b,5.0s		**¶12100772**
IDC	IV	08 06 26 51.4–.38	58.02S	7.32W	0	5.2L,4.8		
DJA	IV	08 06 26 53.2–1.1	58S–9.0	7W–23	10	5.7b,5.2		
NEIC	IV	08 06 26 54.7–.24	58.10S	6.26W	10	5.6W,5.3b		
GCMT	IV	08 06 26 55.9–.10	58.04S	7.15W	13–0	5.5W,5.3b		
MOS	IV	08 06 26 55.5–1.6	58.22S	6.35W	10	5.2b,4.8s		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=7.5km s-min=6.2km az=23.3.							
IDC	Error ellipse: s-maj=13.5km s-min=12.5km az=142.0.							
NEIC	Event type se. Error ellipse: s-maj=13.6km s-min=8.8km az=105.0.							
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=194, per= 50. Moment Tensor Solution. s84,c150; s50,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.21±.03 $M_{\theta\theta}$-0.08±.03; $M_{\phi\phi}$0.29±.03; $M_{r\theta}$0.61±.07; $M_{\theta\phi}$2.15±.03; $M_{\phi r}$-0.55±.07; Best double couple: NP1:ϕ_s359.00000°,δ75.00000°,λ-165.00000°. NP2:ϕ_s266.00000°,δ75.00000°,λ-15.00000°. Principal axes: T 2.2600,Plg0.0000°,Azm313.0000°; N 0.1000,Plg69.0000°,Azm43.0000° ; P -2.3700,Plg21.0000°,Azm223.0000° M_o2.30000×10^{17}
MOS	Error ellipse: s-maj=26.5km s-min=11.1km az=92.6.							

(402) North Atlantic Ocean

ISC	**IV**	**08 08 23 01.7–.43**	**8.08N–.05**	**37.99W–.05**	**33–1**	**5.1b,4.1s**	**1210**	**14-175**
SZGRF	IV	08 08 22 41.4	5.79N	38.99W	10	5.6b,3.9s		**¶12100779**
IDC	IV	08 08 22 56.3–.38	8.12N	38.03W	0	4.7,4.7		
MOS	IV	08 08 22 56.8–.80	8.15N	37.99W	10	5.5b,4.7		
BJI	IV	08 08 22 56.3	8.38N	38.46W	9	5.6b,5.3s		
CSEM	IV	08 08 22 58.8–.08	8.10N	37.97W	10	5.1b,3.8s		
NEIC	IV	08 08 22 58.4–.14	8.06N	37.95W	10	5.2b,3.8s		
ISCJB	IV	08 08 22 59.1–.20	8.09N–.04	37.96W–.02	26	5.0b,4.1s		
ISC	Event type ke.							
SZGRF	North Atlantic Ocean.							
CSEM	Event type ke.							
NEIC	Event type se.							
ISCJB	Event type ke.							

(160) Off east coast of North Island

ISC	**IV**	**08 11 13 01.1–.47**	**38.73S–.03**	**178.41E–.05**	**34–1**	**5.4b,4.6s**	**353**	**0-164**
IDC	IV	08 11 12 55.4–.52	38.42S	178.51E	0	4.8,4.7		**¶15153621**
ISCJB	IV	08 11 12 56.7–.73	38.83S–.02	178.59E–.05	25–4	5.3b,4.5s		
NEIC	IV	08 11 12 58.8	38.72S	178.51E	22	5.3b,5.0L		
WEL	IV	08 11 12 58.9–.26	38.69S	178.54E	26–1	5.0L,5.0L		
AUST	IV	08 11 12 58.5	38.76S	178.29E	5	5.0L,5.0L		
GCMT	IV	08 11 12 58.9–.40	38.66S	178.58E	14–1	4.9W,5.0L		

BJI IV 08 11 13 00.2 39.19S 178.01E 39 5.6b,5.5b
MOS IV 08 11 13 00.7–1.1 38.68S 178.08E 33 5.5b,5.5b
DJA IV 08 11 13 00.7–2.9 39S–20 178E–44 10 5.9b,5.5b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Gisborne. After WEL.
WEL Event type fe. Felt between Bay Plenty, H'' Bay and Gisborne, maximum reported intensity MM 5.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s35,c40; s63,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.56±.17 $M_{\theta\theta}$0.88±.12; $M_{\phi\phi}$1.68±.11; $M_{r\theta}$0.86±.29; $M_{\theta\phi}$1.26±.07; $M_{\phi r}$0.72±.23; Best double couple: NP1:ϕ_s31.00000°,δ34.00000°,λ-99.00000°. NP2:ϕ_s222.00000°,δ57.00000°,λ-84.00000°. Principal axes: T 2.8200,Plg11.0000° ,Azm307.0000°; N -0.0200,Plg5.0000°,Azm38.0000°; P -2.8100,Plg77.0000°,Azm152.0000° $M_0$2.80000×10^{16}

(216) Mariana Islands

ISC	**IV**	**08 15 41 01.6–.44**	**20.37N–.04**	**146.66E–.06**	**20–2**	**4.6b,4.3s**	**248**	**7-149**
BJI	IV	08 15 40 57.3	20.43N	146.72E	6	4.9b,4.7b		**¶12103386**
ISCJB	IV	08 15 40 57.4–1.2	20.27N–.03	146.67E–.04	6–7	4.6b,4.2s		
IDC	IV	08 15 40 58.1–.41	20.28N	146.65E	0	4.5,4.5		
NEIC	IV	08 15 41 00.5–3.4	20.30N	146.64E	15–21	4.7b,4.5		
MOS	IV	08 15 41 01.3–1.1	20.27N	146.60E	33	5.0b,4.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=170.5.
IDC Error ellipse: s-maj=14.7km s-min=9.5km az=90.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.1km az=91.0.
MOS Error ellipse: s-maj=10.8km s-min=5.9km az=105.6.

(381) Central Italy

ISC	**IV**	**09 00 53 01.6–.33**	**42.50N–.01**	**13.35E–.01**	**14–1**	**5.2b,5.0s**	**2206**	**0-164**
NIC	IV	09 00 52 56.6–.70	42.52N	13.38E	2	5.2b,5.0s		**¶16194316**
BJI	IV	09 00 52 57.9	42.64N	13.11E	7	5.5b,5.4s		
ISCJB	IV	09 00 52 58.6–.21	42.557N–.01	13.382E–.01	1–1	5.2b,5.0s		
NEIC	IV	09 00 52 59.0	42.48N	13.34E	15	5.5L,5.4W		
ROM	IV	09 00 52 59.6–.04	42.49N	13.35E	11–0	5.1L,5.4W		
IDC	IV	09 00 52 59.5–.38	42.58N	13.30E	0	4.9,4.9		
PDG	IV	09 00 52 59.6–.58	42.53N	13.39E	7–0	5.5,5.4L		
LDG	IV	09 00 52 59.3–.07	42.57N	13.48E	2	5.0L,5.4L		
CSEM	IV	09 00 53 00.3–.05	42.51N	13.34E	5	5.3W,5.2b		
SFS	IV	09 00 53 00.0	42.51N	13.30E	5	5.3L,5.2b		
MOS	IV	09 00 53 00.3–1.1	42.59N	13.31E	16	5.2b,4.8s		
PRU	IV	09 00 53 00.2	42.55N	13.25E	1	5.2,4.8s		
CRAAG	IV	09 00 53 00.6	42.53N	13.39E		5.4W,4.8s		
BEO	IV	09 00 53 00.1–.91	42.64N	13.24E	0	5.7L,4.8s		
TEH	IV	09 00 53 02.0	42.51N	13.33E	5	5.3L,4.8s		
GCMT	IV	09 00 53 06.1–.10	42.48N	13.30E	12	5.4W,4.8s		
STR	IV	09 00 53 08.2–.50	42.94N	12.92E	10	5.0L,4.8s		

ISC Event type fe.
NIC Central Italy, 19km. NW LAquila.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.1km az=17.2.
NEIC Event type fe. Felt [VII] at Montereale; [V] at Bellante, Macerata, Montorio al Vomano, Pratola Peligna and Teramo; [IV] at Ancona, Ascoli Piceno, Avezzano, Cepagatti, Chieti, Fabriano, Foligno, Francavilla al Mare, Frosinone, Giulinova, Monterotondo, Montesilvano, Ortona, Penne, Perugia, Pescara, Rieti, San Benedetto del Tronto, Spoleto, Spoltore, Sulmona, Terni, Tolentino and Vasto. Felt throughout central Italy and as far as Friuli and Basilicata. After ROM. Moment Tensor Solution. s52 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.10 $M_{\theta\theta}$0.33 $M_{\phi\phi}$0.77 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.24 $M_{\phi r}$-0.30 Best double couple: NP1:ϕ_s159.00000°,δ35.00000° ,λ-84.00000°. NP2:ϕ_s332.00000°,δ55.00000°,λ-94.00000°. Principal axes: T 0.9500,Plg10.0000°,Azm64.0000°; N 0.2300,Plg3.0000°,Azm334.0000° ; P -1.1700,Plg79.0000°,Azm225.0000° $M_0$1.10000×10^{17} Moment Tensor Solution. $M_0$9.80000×10^{16} Moment Tensor Solution. $M_0$1.60000×10^{17}
ROM Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=37.0.
IDC Error ellipse: s-maj=9.4km s-min=8.3km az=119.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=17.0.
SFS Event type ke.
MOS Error ellipse: s-maj=3.1km s-min=2.4km az=94.1.
BEO Event type ke.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 107 sta. Moment Tensor Solution. s91,c162; s99,c223; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.47±.02 $M_{\theta\theta}$0.46±.02; $M_{\phi\phi}$1.01±.02; $M_{r\theta}$-0.45±.05; $M_{\theta\phi}$-0.80±.01; $M_{\phi r}$-0.12±.05; Best double couple: NP1: ϕ_s340.00000°,δ44.00000°,λ-66.00000°. NP2:ϕ_s129.00000°,δ50.00000°,λ-111.00000°. Principal axes: T 1.5900,Plg3.0000°,Azm234.0000°; N 0.0200,Plg16.0000°,Azm143.0000° ; P -1.6100,Plg74.0000°,Azm335.0000° $M_0$1.60000×10^{17}
STR Event type ke.

(712) India-Pakistan border region

ISC	**IV**	**09 01 46 58.2–.26**	**27.17N–.03**	**70.77E–.03**	**42–2**	**5.2b,4.3s**	**1035**	**4-146**
SZGRF	IV	09 01 46 48.0	25.03N	70.89E	41	4.8b,4.3s		**¶13438213**
LDG	IV	09 01 46 52.2–.94	26.31N	70.81E	47	5.2b,4.0s		
ISCJB	IV	09 01 46 55.1–.38	27.09N–.02	70.75E–.02	33–3	5.1b,4.3s		
DJA	IV	09 01 46 56.0–3.4	27N–6.0	71E–5.0	12–24	6.2,5.9b		
MOS	IV	09 01 46 56.5–1.1	27.16N	70.74E	42	5.4b,4.3s		
IDC	IV	09 01 46 57.6–.53	27.08N	70.75E	38–4	5.8L,4.6		
NDI	IV	09 01 46 57.1–2.5	27.02N	70.62E	36–28	5.2L,5.2b		
NEIC	IV	09 01 46 58.3–.16	27.14N	70.75E	44	5.2b,5.2b		
BJI	IV	09 01 46 58.1	27.35N	70.82E	43	5.0b,4.9b		
TEH	IV	09 01 46 59.0	27.17N	70.74E	43	5.2L,4.9b		
GCMT	IV	09 01 47 02.3–.30	26.99N	70.64E	39–1	5.1W,4.9b		

ISC Event type de.
SZGRF India-Pakistan border region.
LDG Event type ke.
ISCJB Event type de. Error ellipse: s-maj=3.5km s-min=2.3km az=9.1.
MOS Error ellipse: s-maj=5.5km s-min=3.0km az=115.8.
IDC Error ellipse: s-maj=9.9km s-min=9.0km az=11.0.
NDI Error ellipse: s-maj=10.6km s-min=21.4km az=-1.0.
NEIC Event type de. Error ellipse: s-maj=4.2km s-min=3.2km az=21.0. At least 6 people injured and many buildings damaged at Jaisalmer, India. Felt at Bhuj, Bikaner, Jaipur, Jodhpur and by people in high-rise buildings at Delhi. Also felt at Kabul, Afghanistan and at Hyderabad and Sukkur, Pakistan.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s45,c61; s81,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}0.47±.21 $M_{\theta\theta}$-4.65±.17; $M_{\phi\phi}$4.19±.17; $M_{r\theta}$-2.86±.20; $M_{\theta\phi}$3.13±.15; $M_{\phi r}$-1.14±.20; Best double couple: NP1:ϕ_s153.00000°,δ60.00000°,λ179.00000°. NP2:ϕ_s243.00000°,δ89.00000°,λ30.00000°. Principal axes: T 5.9500,Plg21.0000° ,Azm112.0000°; N 0.5600,Plg60.0000°,Azm245.0000°; P -6.5000,Plg20.0000°,Azm14.0000° $M_0$6.20000×10^{16}

(427) Mauritius - Reunion region

ISC	**IV**	**10 06 51 47.8–.30**	**18.47S–.06**	**65.87E–.06**	**10**	**5.2b,4.3s**	**796**	**18-166**
BJI	IV	10 06 51 39.9	18.91S	65.20E	6	5.1b,5.0s		**¶12578497**
IDC	IV	10 06 51 45.9–.41	18.44S	65.96E	0	4.9,4.8		
ISCJB	IV	10 06 51 45.8–.22	18.47S–.05	65.98E–.04	10	5.0b,4.3s		
MOS	IV	10 06 51 46.0–.82	18.38S	66.01E	10	5.4b,4.3s		
NEIC	IV	10 06 51 47.5–.12	18.47S	65.94E	10	5.2b,4.3s		
DJA	IV	10 06 51 49.2–7.4	19S–9.0	66E–8.0	21–56	5.5b,5.1b		

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

(268) Sulawesi

ISC	**IV**	**10 09 51 56.6–1.5**	**2.2S–.10**	**121.0E–.10**	**35**	**3.2b**	**9**	**1-59**
IDC	IV	10 09 51 53.7–1.8	2.50S	121.16E	0	3.4,3.2		**¶12934973**
ISCJB	IV	10 09 51 56.2–.72	2.27S–.08	121.2E–.10	33	3.1b,3.2		
DJA	IV	10 09 51 57.0–.60	2S–5.0	121E–6.0	57–23	6.4b,6.1		

ISC Event type ke.
ISCJB Event type ke.

(262) Celebes Sea

ISC	**IV**	**12 05 19 57.5–.23**	**1.98N–.02**	**122.16E–.03**	**40–2**	**5.1b,4.5s**	**774**	**2-166**
BJI	IV	12 05 19 54.2	1.90N	122.28E	33	5.2b,5.1b		**¶15153665**
MOS	IV	12 05 19 54.9–.88	2.05N	122.13E	33	5.4b,4.5s		
ISCJB	IV	12 05 19 55.7–.34	2.02N–.02	122.19E–.02	38–3	5.1b,4.5s		
GCMT	IV	12 05 19 57.5–.20	2.14N	122.14E	30–0	5.2W,4.5s		
TEH	IV	12 05 19 58.0	1.95N	122.15E	39	5.3L,4.5s		
IDC	IV	12 05 19 59.5–.57	1.98N	122.09E	58–4	4.7,4.7		
NEIC	IV	12 05 19 59.2–.16	1.98N	122.12E	57	5.3b,4.7		
DJA	IV	12 05 19 59.4–.20	2N–2.0	122E–1.0	42–3	5.8,5.7b		
AUST	IV	12 05 20 02.0–.22	1.84N	122.00E	85–0	5.8,5.7b		

ISC Event type se.
MOS Error ellipse: s-maj=11.0km s-min=5.5km az=114.7.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.7km az=163.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c98; s92,c165; Moment tensor: Scale 10^{16}Nm; M_{rr}4.64±.18 $M_{\theta\theta}$-6.47±.13; $M_{\phi\phi}$1.84±.15; $M_{r\theta}$5.14±.20; $M_{\theta\phi}$1.29±.11; $M_{\phi r}$-4.95±.27; Best double couple: NP1:ϕ_s250.00000°,δ29.00000°,λ37.00000°. NP2:ϕ_s126.00000°,δ73.00000°,λ114.00000°. Principal axes: T 9.1700,Plg56.0000° ,Azm66.0000°; N 0.2200,Plg22.0000°,Azm299.0000°; P -9.3700,Plg25.0000°,Azm198.0000° $M_0$9.30000×10^{16}
IDC Error ellipse: s-maj=12.2km s-min=8.0km az=73.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=78.0.
AUST Error ellipse: s-maj=0.7km s-min=0.6km az=245.0.

(656) Southeastern Siberia

ISC	**IV**	**13 15 10 31.8–.74**	**53.07N–.03**	**134.35E–.02**	**9–4**	**4.3b,3.8s**	**133**	**1-155**
SKHL	IV	13 15 10 28.4–1.3	53.08N	134.23E	12–4	6.0b,4.4s		**¶13438478**
IDC	IV	13 15 10 29.8–.53	53.03N	134.45E	0	4.3,4.2		
MOS	IV	13 15 10 30.7–1.5	53.14N	134.36E	11	4.5b,4.2		
BJI	IV	13 15 10 33.7	53.00N	134.60E	20	4.5b,4.4b		
NERS	IV	13 15 10 37.7	53.37N	134.83E	33	4.2s,4.4b		
JMA	IV	13 15 11 41.7–.40	43.37N	144.01E	22–3	4.2s,4.4b		

ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=14.2km az=96.0.
MOS Error ellipse: s-maj=11.0km s-min=6.5km az=105.6.
NERS Event type se.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

(381) Central Italy

ISC	**IV**	**13 21 14 26.6–.34**	**42.51N–.01**	**13.37E–.01**	**13–1**	**4.9b,4.5s**	**1649**	**0-156**
STR	IV	13 21 14 13.2–4.0	41.92N	14.53E	10	4.9L,4.5s		**¶13438490**
BJI	IV	13 21 14 22.9	42.74N	12.96E	12	5.3b,5.1s		
ISCJB	IV	13 21 14 23.8–.22	42.573N–.01	13.395E–.01	1–1	4.8b,4.5s		
CRAAG	IV	13 21 14 23.9	42.55N	13.42E		4.9L,4.5s		
ROM	IV	13 21 14 24.4–.07	42.50N	13.38E	9–0	5.0L,4.5s		
LDG	IV	13 21 14 24.5–.16	42.54N	13.36E	2	4.9L,4.5s		
IDC	IV	13 21 14 24.4–.44	42.56N	13.36E	0	4.6,4.6		
PDG	IV	13 21 14 24.6–.60	42.55N	13.37E	6–1	4.8,4.7L		
NEIC	IV	13 21 14 24.0	42.50N	13.36E	8	5.1W,4.9b		
PRU	IV	13 21 14 24.9	42.54N	13.21E	0	4.9,4.9b		
CSEM	IV	13 21 14 25.1–.06	42.53N	13.35E	2	5.1W,5.0s		
BEO	IV	13 21 14 25.0–.61	42.75N	13.01E	14–11	5.1L,5.0s		
MOS	IV	13 21 14 25.3–.96	42.61N	13.35E	16	5.1b,4.3s		
SFS	IV	13 21 14 26.0	42.59N	13.40E	5	5.0L,4.3s		
GCMT	IV	13 21 14 29.7–.20	42.52N	13.21E	12	5.0W,4.3s		

ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=15.8.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=46.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=3.0.
IDC Error ellipse: s-maj=9.2km s-min=8.2km az=159.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
NEIC Event type fe. Felt [V] at Amatrice, Anagni, Castiglione Messer Raimondo, Colledara, L'Aquila, Magliano de' Marsi, Montegiorgio and Todi; [IV] at Ascoli Piceno, Bellante, Campli, Cheti, Citta Sant' Angelo, Fabriano, Fermo, Folignano, Foligno, Giulianova, Grottammare, Macerata, Montesilvano, Montorio al Vomano, Narni, Norcia, Perugia, Pratola Peligna, Rieti, Rome, Roseto degli Abruzzi, San Benedetto del Tronto, Spoleto, Teramo, Terni, Tolentino, Vasto and Viterbo; [III] at Alba Adriatica, Ancona, Avezzano, Castelfidardo, Cepaggati, Francavilla al Mare, Guidonia Montecelio, Jesi, Martinsicuro, Monteprandone, Monterotondo, Pescara, Sant' Egidio alla Vibrata and Sulmona. Felt throughout central Italy and from southern Veneto to Basilicata. After ROM. Moment Tensor Solution. $M_0$5.70000×10^{16}
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=15.0.
BEO Event type ke.
MOS Error ellipse: s-maj=3.5km s-min=2.5km az=104.7.
SFS Event type ke.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s41,c58; s89,c151; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.08±.08 $M_{\theta\theta}$1.55±.08; $M_{\phi\phi}$2.52±.08; $M_{r\theta}$-1.61±.27; $M_{\theta\phi}$-1.98±.06; $M_{\phi r}$0.43±.26; Best double couple: NP1:ϕ_s334.00000°,δ37.00000°,λ-70.00000°. NP2:ϕ_s129.00000°,δ55.00000°,λ-105.00000°. Principal axes: T 4.2900,Plg9.0000° ,Azm230.0000°; N 0.2100,Plg12.0000°,Azm138.0000°; P -4.5100,Plg75.0000° ,Azm357.0000° $M_0$4.40000×10^{16}

(406) Central Mid-Atlantic Ridge

ISC	**IV**	**14 01 48 35.7–.41**	**0.35S–.08**	**19.71W–.08**	**10**	**4.6b,3.8s**	**182**	**15-145**
ISCJB	IV	14 01 48 34.2–.33	0.37S–.05	19.70W–.07	10	4.5b,3.8s		**¶12582570**
IDC	IV	14 01 48 34.3–.49	0.35S	19.68W	0	4.7L,4.4		
BJI	IV	14 01 48 34.0	0.75S	19.44W	6	5.5b,5.0s		
NEIC	IV	14 01 48 35.7–.25	0.43S	19.73W	10	4.8b,5.0s		
SZGRF	IV	14 01 48 37.7	0.94S	18.42W	33	4.5b,5.0s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.9km az=28.8.
IDC Error ellipse: s-maj=16.6km s-min=12.6km az=131.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=123.0.
SZGRF Central Mid-Atlantic Ridge.

(221) Kuril Islands

ISC	**IV**	**14 03 04 26.9–.39**	**48.83N–.04**	**154.97E–.03**	**41–3**	**5.3b,4.8s**	**1558**	**2-155**
NIED	IV	14 03 04 00	48.70N	155.50E	35	5.4W,4.8s		**¶13438498**
IDC	IV	14 03 04 21.0–.39	48.90N	154.87E	0	5.2,5.2		
SZGRF	IV	14 03 04 20.3	49.06N	154.81E	33	5.3b,5.1s		
BJI	IV	14 03 04 21.6	49.01N	155.46E	38	5.4b,5.2b		
DJA	IV	14 03 04 22.7–2.6	49N–15	155E–43	0	6.0b,5.6		
SKHL	IV	14 03 04 23.2–1.2	48.76N	155.82E	49–18	6.4s,6.0b		
MOS	IV	14 03 04 23.6–1.0	48.84N	154.88E	28	5.4b,4.9s		
KRSC	IV	14 03 04 25.5–.50	48.71N	156.19E	5–5	5.7L,4.9s		
ISCJB	IV	14 03 04 25.9–.31	48.79N–.02	154.97E–.02	48–2	5.3b,4.8s		
NEIC	IV	14 03 04 27.2–.57	48.84N	154.88E	44–5	5.5W,5.4b		
GCMT	IV	14 03 04 29.8–.10	48.69N	155.48E	46–0	5.4W,5.4b		
BGS	IV	14 03 04 32.5–1.4	49.62N	153.52E	40	5.7b,5.4b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ76.00000°,λ109.00000°. NP2:ϕ_s175.00000°,δ23.00000°,λ38.00000°. $M_0$1.65000×10^{17}
IDC Error ellipse: s-maj=12.4km s-min=9.0km az=154.0.
SZGRF Kuril Islands, Russia.
MOS Error ellipse: s-maj=6.4km s-min=3.5km az=90.7.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.7km az=158.9.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=158.0. Moment Tensor Solution. s66 Moment tensor: Scale 10^{16}Nm; M_{rr}7.28 $M_{\theta\theta}$-5.58 $M_{\phi\phi}$-1.70 $M_{r\theta}$4.12 $M_{\theta\phi}$-2.38 $M_{\phi r}$3.90 Best double couple: NP1:ϕ_s54.00000°,δ65.00000°,λ82.00000°. NP2:ϕ_s253.00000° ,δ27.00000°,λ107.00000°. Principal axes: T 9.4000,Plg69.0000°,Azm306.0000° ; N -0.8100,Plg7.0000°,Azm57.0000°; P -8.5900,Plg19.0000°,Azm150.0000° $M_0$9.00000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s87,c159; s97,c193; Moment tensor: Scale 10^{17}Nm; M_{rr}1.36±.03 $M_{\theta\theta}$-0.40±.02; $M_{\phi\phi}$-0.96±.02; $M_{r\theta}$0.36±.02; $M_{\theta\phi}$-0.74±.01; $M_{\phi r}$0.49±.02; Best double couple: NP1:ϕ_s214.00000°,δ33.00000°,λ89.00000°. NP2:ϕ_s35.00000°,δ57.00000°,λ91.00000°. Principal axes: T 1.4900,Plg78.0000° ,Azm309.0000°; N 0.1100,Plg1.0000°,Azm215.0000°; P -1.6000,Plg12.0000°,Azm125.0000° $M_0$1.50000×10^{17}
BGS Error ellipse: s-maj=246.2km s-min=634.6km az=-1.0.

(259) Mindanao

ISC	**IV**	**14 07 02 13.9–.31**	**7.13N–.03**	**123.72E–.04**	**39–3**	**4.5b,3.9s**	**174**	**1-165**
ISCJB	IV	14 07 02 12.5–.38	7.08N–.02	123.75E–.03	45–4	4.5b,4.0s		**¶15153703**
MAN	IV	14 07 02 12	7.20N	123.67E	28	5.5b,4.8s		
IDC	IV	14 07 02 13.4–.59	7.08N	123.70E	41–5	4.2,4.1L		
NEIC	IV	14 07 02 15.4–.68	7.05N	123.73E	59–6	4.9b,4.1L		
GCMT	IV	14 07 02 16.6–.30	7.13N	123.69E	37–2	5.0W,4.1L		
AUST	IV	14 07 02 17.8	6.50N	124.00E	35	5.0W,4.1L		
BJI	IV	14 07 02 19.6	6.57N	123.95E	51	5.0b,4.6b		
DJA	IV	14 07 02 21.8–.40	7N–3.0	124E–3.0	64–4	5.6,5.5b		

ISC Event type fe.
ISCJB Event type fe.
MAN Event type fe. INTENSITY III - PARANG MAGUINDANAO.
NEIC Event type fe. Felt [III PIVS] at Parang and Sultan Kudarat. Also felt at Cotabato.

GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s17,c20; s61,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}1.33±.27 $M_{\theta\theta}$2.01±.16; $M_{\phi\phi}$-3.34±.19; $M_{r\theta}$-2.13±.17; $M_{\theta\phi}$1.26±.10; $M_{\phi r}$-0.39±.16; Best double couple: NP1:ϕ_s205.00000°,δ63.00000°,λ151.00000°. NP2:ϕ_s309.00000°,δ65.00000°,λ30.00000°. Principal axes: T 4.0300,Plg39.0000° ,Azm168.0000°; N -0.4100,Plg51.0000°,Azm346.0000°; P -3.6200,Plg1.0000°,Azm77.0000° M_o3.80000×10^{16}

(178) Kermadec Islands

ISC	**IV**	**14 12 48 57.3–.50**	**30.43S–.04**	**177.77W–.05**	**17–2**	**5.3b,4.5s**	**702**	**1-169**
IDC	IV	14 12 48 55.0–.39	30.21S	177.82W	0	5.0,5.0		¶15153712
BJI	IV	14 12 48 54.8	29.54S	177.05W	7	5.7b,5.4s		
AUST	IV	14 12 48 56.6	30.86S	176.59W	60	5.7b,5.4s		
ISCJB	IV	14 12 48 56.0–.11	30.63S–.02	177.97W–.04	14	5.2b,4.5s		
MOS	IV	14 12 48 59.6–.85	30.20S	178.02W	33	5.5b,4.6s		
NEIC	IV	14 12 49 01.8–1.1	30.28S	177.90W	48–9	5.2b,4.6s		
GCMT	IV	14 12 49 03.8–.20	30.22S	177.60W	48–1	5.2W,4.6s		
DJA	IV	14 12 49 20.5–6.1	30S–13	177W–42	274–44	5.5b,5.3b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c86; s70,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}6.44±.22 $M_{\theta\theta}$0.11±.19; $M_{\phi\phi}$-6.54±.16; $M_{r\theta}$0.19±.15; $M_{\theta\phi}$-2.14±.14; $M_{\phi r}$3.15±.15; Best double couple: NP1:ϕ_s203.00000°,δ33.00000°,λ101.00000°. NP2:ϕ_s10.00000°,δ57.00000°,λ83.00000°. Principal axes: T 7.1800,Plg76.0000° ,Azm259.0000°; N 0.6600,Plg6.0000°,Azm14.0000°; P -7.8300,Plg12.0000°,Azm105.0000° M_o7.50000×10^{16}

(181) Fiji Islands region

ISC	**IV**	**14 23 29 34.1–.37**	**16.40S–.05**	**177.68W–.04**	**13–1**	**5.5s,5.3b**	**827**	**4-177**
AUST	IV	14 23 29 24.4	15.89S	176.55W	0	5.5s,5.3b		¶15153721
SZGRF	IV	14 23 29 28.5	18.41S	176.41W	33	5.5s,5.3b		
IDC	IV	14 23 29 31.4–.47	16.31S	177.62W	0	5.4,5.4s		
ISCJB	IV	14 23 29 32.0–.13	16.37S–.04	177.70W–.03	11	5.5s,5.2b		
BJI	IV	14 23 29 32.0	16.30S	177.70W	10	5.9s,5.6b		
NEIC	IV	14 23 29 33.4–.18	16.31S	177.73W	10	5.9W,5.9W		
MOS	IV	14 23 29 35.8–1.4	16.41S	177.77W	33	5.6b,5.4s		
GCMT	IV	14 23 29 38.2–.10	16.25S	177.52W	12	5.9W,5.4s		
DJA	IV	14 23 30 01.6–5.3	17S–15	179W–20	216–44	5.5b,5.0		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}1.20 $M_{\theta\theta}$-5.23 $M_{\phi\phi}$4.03 $M_{r\theta}$-1.94 $M_{\theta\phi}$0.85 $M_{\phi r}$6.15 Best double couple: NP1:ϕ_s322.00000° ,δ83.00000°,λ129.00000°. NP2:ϕ_s60.00000°,δ40.00000°,λ11.00000°. Principal axes: T 8.9500,Plg38.0000°,Azm267.0000°; N -2.2800,Plg38.0000°,Azm136.0000° ; P -6.6600,Plg27.0000°,Azm21.0000° M_o8.00000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=115, comp=251, per= 50. Moment Tensor Solution. s92,c193; s82,c104; Moment tensor: Scale 10^{17}Nm; M_{rr}0.27±.06 $M_{\theta\theta}$-7.46±.06; $M_{\phi\phi}$7.19±.05; $M_{r\theta}$0.05±.15; $M_{\theta\phi}$2.18±.05; $M_{\phi r}$0.50±.15; Best double couple: NP1:ϕ_s53.00000°,δ87.00000°,λ3.00000°. NP2:ϕ_s323.00000°,δ87.00000°,λ177.00000°. Principal axes: T 7.5400,Plg4.0000°,Azm278.0000°; N 0.2400,Plg86.0000°,Azm100.0000° ; P -7.7800,Plg0.0000°,Azm8.0000° M_o7.70000×10^{17}

(238) Ryukyu Islands

ISC	**IV**	**14 23 54 47.2–.42**	**27.09N–.03**	**129.95E–.04**	**18–1**	**5.2s,4.9b**	**476**	**1-117**
DJA	IV	14 23 54 43.8–.60	27N–8.0	130E–10	10	5.6b,5.1		¶12583401
BJI	IV	14 23 54 43.2	26.99N	130.14E	18	5.0s,5.0b		
ISCJB	IV	14 23 54 43.6–1.0	27.07N–.02	129.94E–.02	3–6	5.1s,4.8b		
IDC	IV	14 23 54 44.1–.36	27.09N	130.01E	0	5.0s,5.0		
JMA	IV	14 23 54 46.1–.10	27.10N	130.02E	73	4.8,5.0		
MOS	IV	14 23 54 47.9–1.3	27.14N	130.03E	33	5.2s,5.1b		
TEH	IV	14 23 54 47.0	27.10N	129.86E	10	5.0L,5.1b		
NEIC	IV	14 23 54 49.5–.23	27.07N	129.82E	35	5.0b,4.8W		
BGS	IV	14 23 54 57.4–2.5	26.78N	126.68E	33	4.8b,4.8W		
NIED	IV	14 23 55 00	27.10N	130.00E	5	4.8W,4.8W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=154.6.
IDC Error ellipse: s-maj=14.2km s-min=9.2km az=72.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=10.6km s-min=5.0km az=110.1.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.3km az=136.0. Felt at Chatan, Okinawa. Recorded [1 JMA] on Amami-oshima and Tokuno-shima. Moment Tensor Solution. M_o1.80000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s244.00000°,δ75.00000°,λ121.00000°. NP2:ϕ_s358.00000°,δ34.00000°,λ28.00000°. M_o1.79000×10^{16}

(273) Southwest of Sumatera

ISC	**IV**	**15 06 38 00.7–1.2**	**6.0S–.10**	**102.0E–.10**	**21**	**3.7b**	**13**	**2-146**
IDC	IV	15 06 37 58.2–3.6	5.78S	102.21E	0	3.8,3.7		¶12935315
DJA	IV	15 06 38 05.4–5.6	6S–16	102E–16	16–48	6.5b,6.2		

ISC Event type ke.

(417) Arabian Sea

ISC	**IV**	**15 10 20 05.8–.33**	**12.35N–.04**	**58.16E–.03**	**16–1**	**5.4b,5.1s**	**1331**	**6-153**
STR	IV	15 10 19 51.9–.00	11.26N	59.40E		5.5b,5.1s		¶13438613
BJI	IV	15 10 19 54.9	11.63N	57.39E	10	5.6b,5.4s		
IDC	IV	15 10 20 02.8–.44	12.28N	58.27E	0	4.9,4.9		
ISCJB	IV	15 10 20 03.1–.60	12.32N–.02	58.08E–.02	11–3	5.3b,5.1s		
NEIC	IV	15 10 20 04.6–.19	12.35N	58.07E	10	5.7W,5.6b		
CSEM	IV	15 10 20 04.9–.14	12.29N	58.13E	10	5.7W,5.4b		
GCMT	IV	15 10 20 05.1–.10	12.35N	57.98E	17–0	5.7W,5.4b		
TEH	IV	15 10 20 05.0	12.36N	58.09E	10	5.6L,5.4b		
MOS	IV	15 10 20 06.1–1.1	12.33N	58.04E	33	5.7b,5.0s		
DJA	IV	15 10 20 12.8–2.9	12N–7.0	58E–6.0	70–32	5.9b,5.5		
DHMR	IV	15 10 20 16.3–1.5	13.50N	57.78E	68–999	5.7b,5.5		

ISC Event type ke.
STR Event type ke.
IDC Error ellipse: s-maj=12.8km s-min=11.1km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=10.7.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.0km az=204.0. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}0.12 $M_{\theta\theta}$2.49 $M_{\phi\phi}$2.37 $M_{r\theta}$-0.80 $M_{\theta\phi}$-2.22 $M_{\phi r}$0.04 Best double couple: NP1:ϕ_s23.00000°,δ77.00000°,λ-4.00000°. NP2:ϕ_s114.00000° ,δ86.00000°,λ-167.00000°. Principal axes: T 3.2700,Plg6.0000°,Azm248.0000° ; N 0.2400,Plg76.0000°,Azm130.0000°; P -3.5000,Plg11.0000°,Azm339.0000° M_o3.40000×10^{17}
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=5.0km az=18.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=108, comp=231, per= 50. Moment Tensor Solution. s100,c188; s57,c64; Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.04 $M_{\theta\theta}$-2.70±.04; $M_{\phi\phi}$2.57±.04; $M_{r\theta}$1.10±.11; $M_{\theta\phi}$-2.74±.03; $M_{\phi r}$-0.90±.11; Best double couple: NP1:ϕ_s203.00000°,δ71.00000°,λ6.00000°. NP2:ϕ_s111.00000°,δ84.00000°,λ161.00000°. Principal axes: T 4.1400,Plg18.0000°,Azm65.0000°; N -0.1600,Plg70.0000°,Azm276.0000° ; P -3.9800,Plg10.0000°,Azm159.0000° M_o4.10000×10^{17}
MOS Error ellipse: s-maj=6.3km s-min=3.3km az=116.2.
DHMR Error ellipse: s-maj=177.1km s-min=999.9km az=-1.0.

(274) Southern Sumatera

ISC	**IV**	**15 17 47 27.5–.28**	**3.11S–.03**	**100.35E–.03**	**21–2**	**5.5s,5.4b**	**1136**	**2-177**
BJI	IV	15 17 47 20.8	3.52S	100.44E	9	5.9s,5.8b		¶15153728
IDC	IV	15 17 47 24.4–.36	3.14S	100.49E	0	5.4,5.3		
ISCJB	IV	15 17 47 25.1–.71	3.18S–.02	100.36E–.02	15–4	5.5s,5.4b		
NEIC	IV	15 17 47 27.8–.15	3.08S	100.42E	19	5.7,5.6s		
AUST	IV	15 17 47 27.1–1.2	2.91S	100.75E	5–0	5.7,5.6s		
DJA	IV	15 17 47 28.3–.40	3S–3.0	100E–4.0	42–5	6.0,5.9b		
MOS	IV	15 17 47 28.5–1.1	2.96S	100.53E	34	5.7b,5.4s		
GCMT	IV	15 17 47 29.9–.10	3.41S	100.15E	15	5.7W,5.4s		
SZGRF	IV	15 17 47 36.2	2.05S	99.46E	31	5.0b,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=8.8km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.8km az=30.3.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.2km az=41.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s62 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-2.12 $M_{\phi\phi}$0.65 $M_{r\theta}$1.36 $M_{\theta\phi}$-0.55 $M_{\phi r}$-0.90 Best double couple: NP1:ϕ_s229.00000°,δ38.00000°,λ37.00000°. NP2:ϕ_s108.00000°,δ68.00000°,λ122.00000°. Principal axes: T 2.5000,Plg55.0000°,Azm58.0000° ; N 0.1000,Plg29.0000°,Azm275.0000°; P -2.5900,Plg17.0000°,Azm175.0000° M_o2.50000×10^{17}
AUST Error ellipse: s-maj=1.2km s-min=0.5km az=231.0.
MOS Error ellipse: s-maj=8.3km s-min=4.2km az=117.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 87, comp=133, per= 50. Moment Tensor Solution. s81,c147; s18,c20; Moment tensor: Scale 10^{17}Nm; M_{rr}1.29±.03 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$-0.65±.03; $M_{r\theta}$4.08±.08; $M_{\theta\phi}$0.76±.02; $M_{\phi r}$-2.84±.09; Best double couple: NP1:ϕ_s327.00000°,δ8.00000°,λ112.00000°. NP2:ϕ_s125.00000°,δ83.00000°,λ87.00000°. Principal axes: T 5.1200,Plg52.0000°,Azm32.0000°; N 0.0700,Plg3.0000°,Azm126.0000° ; P -5.1900,Plg37.0000°,Azm218.0000° M_o5.20000×10^{17}
SZGRF Southern Sumatera, Indonesia.

(190) New Ireland region

ISC	**IV**	**15 18 26 34.1–.30**	**5.83S–.04**	**154.12E–.04**	**39–2**	**5.2b,4.7s**	**308**	**7-159**
BJI	IV	15 18 26 29.4	6.14S	154.52E	39	5.4b,5.1b		¶15153733
AUST	IV	15 18 26 31.2–2.0	5.90S	154.13E	15–0	5.4b,5.1b		
MOS	IV	15 18 26 32.1–1.1	5.75S	154.02E	33	5.2b,5.1b		
ISCJB	IV	15 18 26 32.8–.93	5.89S–.03	154.11E–.03	43–8	5.1b,4.7s		
NEIC	IV	15 18 26 34.2–.63	5.83S	154.06E	41–6	5.2b,4.7s		
IDC	IV	15 18 26 34.1–1.9	5.86S	154.13E	42–16	4.7,4.7		
GCMT	IV	15 18 26 36.4–.20	6.05S	154.08E	36–0	5.3W,4.7		
DJA	IV	15 18 26 40.9–1.0	6S–5.0	154E–5.0	84–10	6.2,5.9b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s74,c111; s88,c136; Moment tensor: Scale 10^{17}Nm; M_{rr}1.07±.03 $M_{\theta\theta}$-0.35±.02; $M_{\phi\phi}$-0.72±.02; $M_{r\theta}$-0.31±.02; $M_{\theta\phi}$0.66±.02; $M_{\phi r}$-0.04±.02; Best double couple: NP1:ϕ_s158.00000°,δ43.00000°,λ112.00000°. NP2:ϕ_s309.00000°,δ51.00000°,λ71.00000°. Principal axes: T 1.1500,Plg75.0000° ,Azm157.0000°; N 0.0800,Plg15.0000°,Azm321.0000°; P -1.2300,Plg4.0000°,Azm52.0000° M_o1.20000×10^{17}

(274) Southern Sumatera

ISC	**IV**	**15 20 01 35.3–.26**	**3.13S–.03**	**100.46E–.03**	**28–1**	**6.4s,6.0b**	**1979**	**1-177**
BJI	IV	15 20 01 28.4	3.42S	100.44E	8	6.7s,6.6b		¶13438642
IDC	IV	15 20 01 30.6–.28	3.17S	100.49E	0	6.3,6.3s		
ISCJB	IV	15 20 01 31.0–.55	3.18S–.02	100.40E–.01	10–3	6.4s,5.9b		
DJA	IV	15 20 01 33.8–.50	3S–1.0	100E–1.0	13–4	6.7,6.6b		
AUST	IV	15 20 01 35.0–.92	3.21S	100.49E	20–0	6.7,6.6b		
MOS	IV	15 20 01 34.9–1.0	3.01S	100.54E	33	6.3s,6.2b		
NEIC	IV	15 20 01 34.7–.12	3.12S	100.47E	22	6.4s,6.2W		
GCMT	IV	15 20 01 37.9–.10	3.40S	100.16E	15	6.3W,6.2W		
SZGRF	IV	15 20 01 38.3	3.28S	100.07E	37	6.3s,5.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=9.9km s-min=5.9km az=43.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=33.5.
AUST Error ellipse: s-maj=0.8km s-min=0.6km az=225.0.
MOS Error ellipse: s-maj=7.3km s-min=3.9km az=119.7.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=36.0. Felt at Padang, Sumatra. Also felt at Sekudai, Malaysia and in Singapore. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s94 Moment tensor: Scale 10^{18}Nm; M_{rr}1.08 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$-0.53 $M_{r\theta}$1.41 $M_{\theta\phi}$0.35 $M_{\phi r}$-0.82 Best double couple: NP1:ϕ_s319.00000°,δ16.00000°,λ106.00000°. NP2: ϕ_s123.00000°,δ75.00000°,λ86.00000°. Principal axes: T 2.0200,Plg60.0000°,Azm26.0000° ; N -0.2200,Plg4.0000°,Azm123.0000°; P -1.8000,Plg29.0000°,Azm216.0000° M_o1.90000×10^{18}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=180, per= 50. Moment Tensor Solution. s93,c165; s84,c112; Moment tensor: Scale 10^{18}Nm; M_{rr}0.97±.01 $M_{\theta\theta}$-0.51±.01; $M_{\phi\phi}$-0.46±.01; $M_{r\theta}$2.50±.03; $M_{\theta\phi}$0.55±.01; $M_{\phi r}$-1.70±.03; Best double couple: NP1:ϕ_s324.00000°,δ10.00000°,λ109.00000°. NP2:ϕ_s125.00000°,δ81.00000°,λ87.00000°. Principal axes: T 3.1700,Plg54.0000°,Azm31.0000°; N 0.0300,Plg3.0000°,Azm125.0000° ; P -3.2000,Plg36.0000°,Azm217.0000° M_o3.20000×10^{18}
SZGRF Southern Sumatera, Indonesia.

(193) Bougainville - Solomon Islands region

ISC	**IV**	**16 00 43 25.7–.31**	**6.51S–.04**	**154.26E–.04**	**45–1**	**5.7s,5.2b**	**728**	**8-171**
IDC	IV	16 00 43 18.8–.40	6.41S	154.14E	0	5.5,5.5s		¶15153745
NEIC	IV	16 00 43 20.7–.17	6.48S	154.15E	10	5.8s,5.7W		
BJI	IV	16 00 43 22.4	6.25S	154.96E	44	5.8s,5.7b		
MOS	IV	16 00 43 23.7–1.3	6.40S	154.02E	33	5.6s,5.5b		
ISCJB	IV	16 00 43 24.5–.13	6.46S–.03	154.20E–.02	43	5.7s,5.3b		
GCMT	IV	16 00 43 26.9–.10	6.78S	154.17E	13–0	5.8W,5.3b		
DJA	IV	16 00 43 31.9–.90	7S–5.0	154E–5.0	67–10	6.0b,5.8		
AUST	IV	16 00 43 31.6	6.57S	154.16E	100	6.0b,5.8		

ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=11.2km az=87.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.1km az=121.0.
MOS Error ellipse: s-maj=9.1km s-min=6.4km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=169.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=105, comp=232, per= 50. Moment Tensor Solution. s106,c208; s71,c77; Moment tensor: Scale 10^{17}Nm; M_{rr}4.59±.05 $M_{\theta\theta}$-2.48±.04; $M_{\phi\phi}$-2.11±.04; $M_{r\theta}$2.76±.12; $M_{\theta\phi}$2.33±.03; $M_{\phi r}$-1.73±.11; Best double couple: NP1:ϕ_s319.00000°,δ28.00000°,λ101.00000°. NP2:ϕ_s127.00000°,δ63.00000°,λ84.00000°. Principal axes: T 5.6500,Plg72.0000°,Azm24.0000°; N -0.0100,Plg5.0000°,Azm129.0000° ; P -5.6400,Plg17.0000°,Azm221.0000° M_o5.70000×10^{17}

(153) South Sandwich Islands region

ISC	**IV**	**16 14 57 06.2–.50**	**60.29S–.03**	**27.03W–.03**	**18–2**	**6.8s,6.0b**	**1546**	**13-177**
IDC	IV	16 14 57 02.8–.22	60.17S	26.96W	0	6.7s,6.7		¶12601058
ISCJB	IV	16 14 57 03.4–.16	60.28S–.04	26.97W–.06	10	6.8s,6.0b		
BJI	IV	16 14 57 04.2	60.20S	26.80W	20	7.0s,6.8		
NEIC	IV	16 14 57 06.2–.12	60.20S	26.86W	20	6.8s,6.8		
MOS	IV	16 14 57 07.9–1.4	60.30S	27.10W	33	6.8s,6.2b		
DJA	IV	16 14 57 15.2–2.7	61S–12	26W–18	50–19	6.7b,6.6		
GCMT	IV	16 14 57 16.2–.10	60.71S	26.55W	24–0	6.7W,6.6		

ISC Event type se.
IDC Error ellipse: s-maj=9.9km s-min=7.3km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.2km az=23.4.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.6km az=44.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ70.00000° ,λ65.00000°. NP2:ϕ_s244.00000°,δ32.00000°,λ139.00000°. Principal axes: T Plg58.0000° ,Azm246.0000°; N Plg0.0000°,Azm0.0000°; P Plg21.0000°,Azm119.0000° Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}6.41 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-6.52 $M_{r\theta}$1.00 $M_{\theta\phi}$-2.57 $M_{\phi r}$5.53 Best double couple: NP1:ϕ_s13.00000°,δ65.00000°,λ84.00000°. NP2:ϕ_s206.00000° ,δ26.00000°,λ102.00000°. Principal axes: T 8.4500,Plg69.0000°,Azm270.0000° ; N 0.9100,Plg5.0000°,Azm15.0000°; P -9.3600,Plg19.0000°,Azm107.0000° M_o8.90000×10^{18} Moment Tensor Solution. M_o4.60000×10^{18}
MOS Error ellipse: s-maj=20.7km s-min=9.8km az=96.4.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 112 sta. Surface waves: sta=118, comp=281, per= 50. Moment Tensor Solution. s117,c299; s99,c240; Moment tensor: Scale 10^{19}Nm; M_{rr}1.06±.01 $M_{\theta\theta}$-0.24±.01; $M_{\phi\phi}$-0.82±.01; $M_{r\theta}$0.10±.01; $M_{\theta\phi}$-0.62 $M_{\phi r}$0.64±.01; Best double couple: NP1:ϕ_s226.00000°,δ33.00000° ,λ113.00000°. NP2:ϕ_s20.00000°,δ60.00000°,λ76.00000°. Principal axes: T 1.2700,Plg71.0000°,Azm258.0000°; N 0.0900,Plg12.0000°,Azm27.0000° ; P -1.3600,Plg14.0000°,Azm120.0000° M_o1.30000×10^{19}

(274) Southern Sumatera

ISC	**IV**	**16 19 55 28.9–.38**	**3.35S–.04**	**100.28E–.04**	**33–1**	**5.2s,5.0b**	**459**	**3-148**
BJI	IV	16 19 55 22.6	3.85S	100.47E	32	5.5s,5.5b		¶15153746
AUST	IV	16 19 55 24.3–1.2	3.38S	100.29E	0–0	5.5s,5.5b		
NEIC	IV	16 19 55 24.9–2.7	3.33S	100.32E	8–16	5.1b,5.5b		
IDC	IV	16 19 55 24.2–.51	3.29S	100.39E	0	5.0,5.0s		
ISCJB	IV	16 19 55 25.0–.83	3.33S–.03	100.36E–.03	17–5	5.2s,5.0b		
MOS	IV	16 19 55 28.1–1.1	3.12S	100.52E	33	5.2b,5.1s		
GCMT	IV	16 19 55 30.9–.20	3.56S	100.08E	26	5.5W,5.1s		

ISC Event type se.
AUST Error ellipse: s-maj=1.1km s-min=0.6km az=236.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.1km az=54.0.
IDC Error ellipse: s-maj=17.2km s-min=9.7km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=42.5.
MOS Error ellipse: s-maj=10.2km s-min=5.5km az=110.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c86; s70,c110; Moment tensor: Scale 10^{17}Nm; M_{rr}1.01±.04 $M_{\theta\theta}$-0.54±.03; $M_{\phi\phi}$-0.48±.03; $M_{r\theta}$1.31±.05; $M_{\theta\phi}$0.56±.02; $M_{\phi r}$-1.04±.07; Best double couple: NP1:ϕ_s318.00000°,δ16.00000°,λ99.00000°. NP2:ϕ_s129.00000°,δ74.00000°,λ87.00000°. Principal axes: T 1.9400,Plg61.0000° ,Azm36.0000°; N 0.0400,Plg2.0000°,Azm130.0000°; P -1.9900,Plg29.0000°,Azm221.0000° M_o2.00000×10^{17}

(274) Southern Sumatera

ISC	**IV**	**16 20 51 45.3–.35**	**3.24S–.03**	**100.41E–.04**	**33–1**	**5.2b,4.9s**	**650**	**2-158**
BJI	IV	16 20 51 40.6	3.63S	100.58E	32	5.3b,5.3b		**¶15153748**
MOS	IV	16 20 51 44.2–1.1	3.10S	100.59E	33	5.4b,4.9s		
AUST	IV	16 20 51 44.3–.96	3.33S	100.29E	26–0	5.4b,4.9s		
ISCJB	IV	16 20 51 44.6–.40	3.28S–.02	100.44E–.03	41–3	5.2b,4.9s		
IDC	IV	16 20 51 45.5–2.5	3.29S	100.47E	33–17	4.8L,4.8		
DJA	IV	16 20 51 45.9–.30	3S–2.0	100E–3.0	42	5.5b,5.5		
NEIC	IV	16 20 51 46.4–1.4	3.22S	100.46E	41–11	5.0b,5.5		

ISC Event type se.
MOS Error ellipse: s-maj=9.9km s-min=5.2km az=111.4.
AUST Error ellipse: s-maj=1.1km s-min=0.6km az=234.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.1km az=137.1.
IDC Error ellipse: s-maj=15.3km s-min=9.3km az=44.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.8km az=50.0.

(709) Southeastern Afghanistan

ISC	**IV**	**16 21 27 53.1–.37**	**34.19N–.03**	**70.08E–.02**	**16–2**	**5.4b,4.9s**	**1220**	**1-148**
BGS	IV	16 21 27 22.5–2.0	30.99N	73.02E	10	5.2b,5.1s		**¶13438707**
BJI	IV	16 21 27 49.6	34.34N	69.97E	5	5.3L,5.3b		
NNC	IV	16 21 27 50.3–3.3	34.16N	69.81E	0	5.9,5.4b		
ISCJB	IV	16 21 27 50.1–.61	34.17N–.02	70.08E–.01	8–3	5.3b,4.8s		
IDC	IV	16 21 27 50.5–.34	34.22N	70.11E	0	5.2,5.2		
NEIC	IV	16 21 27 51.3–1.3	34.19N	70.08E	6–7	5.4b,5.2		
SZGRF	IV	16 21 27 51.2	34.08N	70.30E	10	5.7b,4.7s		
GCMT	IV	16 21 27 52.9–.20	34.14N	70.11E	12–0	5.2W,4.7s		
DJA	IV	16 21 27 53.4–.40	34N–7.0	70E–5.0	10	5.6b,5.2b		
MOS	IV	16 21 27 54.5–.93	34.23N	70.11E	40	5.6b,4.8s		

ISC Event type de.
BGS Error ellipse: s-maj=737.4km s-min=758.3km az=-1.0.
NNC Error ellipse: s-maj=36.4km s-min=32.1km az=150.0.
ISCJB Event type de. Error ellipse: s-maj=3.0km s-min=2.0km az=16.0.
IDC Error ellipse: s-maj=9.6km s-min=7.8km az=37.0.
NEIC Event type de. Error ellipse: s-maj=4.5km s-min=3.0km az=196.0. At least 19 people killed, 51 injured, more than 200 homes destroyed and some livestock killed in Nangarhar. Felt [V] at Jalalabad and [III] at Kabul. Also felt at Fayzabad, Nurestan, Qarah Bagh, Panjab and Zarghun Shahr. Felt at Bhakkar, Chitral, Islamabad and Rawalpindi, Pakistan.
SZGRF Southeastern Afghanistan.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s42,c65; s81,c148; Moment tensor: Scale 10^{16}Nm; M_{rr}5.50±.24 $M_{\theta\theta}$-3.72±.18; $M_{\phi\phi}$-1.78±.17; $M_{r\theta}$3.50±.54; $M_{\theta\phi}$-4.18±.14; $M_{\theta r}$1.36±.52; Best double couple: NP1:ϕ_s218.00000°,δ31.00000°,λ69.00000°. NP2:ϕ_s63.00000°,δ61.00000°,λ103.00000°. Principal axes: T 6.6800,Plg71.0000° ,Azm1.0000°; N 1.3200,Plg11.0000°,Azm236.0000°; P -8.0000,Plg15.0000°,Azm143.0000° M_o7.30000×10^{16}
MOS Error ellipse: s-maj=5.3km s-min=2.9km az=126.9.

(122) Near coast of northern Chile

ISC	**IV**	**17 02 08 09.2–.50**	**19.58S–.02**	**70.50W–.03**	**29–3**	**5.9s,5.8b**	**1687**	**0-179**
IDC	IV	17 02 08 04.8–.33	19.57S	70.49W	0	5.8,5.8s		**¶14413616**
ISCJB	IV	17 02 08 07.3–.69	19.45S–.02	70.50W–.02	22–4	5.8s,5.7b		
GUC	IV	17 02 08 08.4–.47	19.68S	70.68W	36–2	6.0L,5.7b		
NEIC	IV	17 02 08 08.7–.11	19.58S	70.48W	25	6.1W,6.0W		
LDG	IV	17 02 08 08.5–.51	18.96S	70.00W	10	5.9s,5.7b		
BJI	IV	17 02 08 08.2	19.41S	71.29W	25	6.2s,6.1		
MOS	IV	17 02 08 10.0–.94	19.25S	70.52W	33	6.0b,5.8s		
DJA	IV	17 02 08 10.8–2.2	20S–40	70W–36	10	6.5b,6.2		
BGS	IV	17 02 08 11.5–3.3	19.22S	69.89W	33	5.9s,5.4b		
GCMT	IV	17 02 08 15.0–.10	19.72S	71.10W	32	6.1W,5.4b		
SZGRF	IV	17 02 08 26.5	19.07S	65.27W	33	5.9s,5.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=14.8km s-min=10.5km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.7km az=43.0.
GUC Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.6km az=54.0. Felt [V] at Alto Hospicio, Cuya, Huara and Pisagua; [IV] at Arica, Camina, Pica, Pozo Almonte and Putre; [III] at Iquique. Also felt at Tocopilla. Felt [II] at Arequipa, Moquegua and Tacna, Peru. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s165.00000° ,δ70.00000°,λ90.00000°. NP2:ϕ_s345.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm75.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm255.0000° Moment Tensor Solution. s122 Moment tensor: Scale 10^{18}Nm; M_{rr}1.04 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-1.16 $M_{r\theta}$0.26 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s357.00000°,δ28.00000°,λ102.00000°. NP2:ϕ_s164.00000°,δ63.00000°,λ84.00000°. Principal axes: T 1.2900,Plg71.0000° ,Azm59.0000°; N 0.1600,Plg5.0000°,Azm166.0000°; P -1.4400,Plg17.0000°,Azm258.0000° M_o1.40000×10^{18} Moment Tensor Solution. M_o2.40000×10^{18}
LDG Event type ke. Error ellipse: s-maj=31.5km s-min=9.8km az=51.0.
MOS Error ellipse: s-maj=7.8km s-min=5.1km az=85.6.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=232, per= 50. Moment Tensor Solution. s103,c236; s82,c116; Moment tensor: Scale 10^{18}Nm; M_{rr}1.09±.01 $M_{\theta\theta}$0.10±.01; $M_{\phi\phi}$-1.20±.01; $M_{r\theta}$0.39±.01; $M_{\theta\phi}$0.31±.01; $M_{\phi r}$-1.03±.02; Best double couple: NP1:ϕ_s355.00000°,δ24.00000°,λ102.00000°. NP2:ϕ_s161.00000°,δ67.00000°,λ85.00000°. Principal axes: T 1.5300,Plg68.0000°,Azm61.0000°; N 0.1600,Plg5.0000°,Azm164.0000° ; P -1.7000,Plg21.0000°,Azm256.0000° M_o1.60000×10^{18}
SZGRF Southern Bolivia.

(216) Mariana Islands

ISC	**IV**	**17 11 19 27.6–.45**	**14.82N–.04**	**144.58E–.07**	**15–2**	**4.9b,4.2s**	**215**	**1-148**
BJI	IV	17 11 19 23.8	14.72N	144.60E	10	5.1b,4.8b		**¶12608095**
ISCJB	IV	17 11 19 24.8–1.2	14.85N–.03	144.51E–.05	7–7	4.8b,4.1s		
IDC	IV	17 11 19 25.1–.48	14.86N	144.55E	0	4.5,4.5		
DJA	IV	17 11 19 27.1–1.0	15N–7.0	145E–13	10	5.6b,5.2b		
NEIC	IV	17 11 19 29.3–2.8	14.84N	144.47E	26–19	4.8b,5.2b		
GCMT	IV	17 11 19 31.9–.20	14.84N	144.32E	15–0	5.0W,5.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=175.9.
IDC Error ellipse: s-maj=17.9km s-min=9.8km az=81.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=78.0.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s30,c38; s70,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.78±.20 $M_{\theta\theta}$1.48±.12; $M_{\phi\phi}$1.30±.15; $M_{r\theta}$2.40±.40; $M_{\theta\phi}$2.43±.09; $M_{\phi r}$-0.48±.41; Best double couple: NP1:ϕ_s18.00000°,δ41.00000°,λ-139.00000°. NP2:ϕ_s255.00000°,δ64.00000°,λ-57.00000°. Principal axes: T 4.1400,Plg13.0000° ,Azm321.0000°; N 0.1300,Plg30.0000°,Azm59.0000°; P -4.2700,Plg57.0000°,Azm211.0000° M_o4.20000×10^{16}

(221) Kuril Islands

ISC	**IV**	**17 14 51 59.3–.26**	**46.20N–.03**	**151.80E–.03**	**54–1**	**5.5b,5.0s**	**1839**	**3-154**
NIED	IV	17 14 51 00	46.10N	152.10E	44	5.5W,5.0s		**¶14413620**
BJI	IV	17 14 51 53.5	46.36N	152.22E	45	5.6b,5.4b		
DJA	IV	17 14 51 54.3–.80	46N–8.0	152E–14	10	6.6,5.8b		
JMA	IV	17 14 51 55.8–.60	46.10N	152.11E	30	5.7,5.8b		
SKHL	IV	17 14 51 56.6–.70	46.03N	152.25E	66–13	6.2b,6.0s		
MOS	IV	17 14 51 56.5–1.1	46.16N	151.72E	45	5.8b,5.2s		
TEH	IV	17 14 51 56.9	46.29N	151.68E	40	5.6L,5.2s		
ISCJB	IV	17 14 51 57.2–.36	46.20N–.02	151.70E–.02	45–3	5.5b,5.1s		
NEIC	IV	17 14 51 58.7–.12	46.17N	151.70E	49	5.7W,5.5b		
IDC	IV	17 14 51 59.2–1.6	46.25N	151.61E	49–14	5.1,5.1		
GCMT	IV	17 14 52 01.9–.10	46.06N	151.97E	50–0	5.6W,5.1		
BGS	IV	17 14 52 01.9–1.7	46.73N	152.11E	50–999	5.6b,4.9s		
SZGRF	IV	17 14 52 07.6	47.72N	151.20E	33	5.6b,5.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s1.00000°,δ62.00000°,λ62.00000°. NP2: ϕ_s230.00000°,δ39.00000°,λ132.00000°. M_o2.00000×10^{17}
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
MOS Error ellipse: s-maj=5.7km s-min=3.8km az=95.5.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.8km az=166.8.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=154.0. Recorded [1 JMA] in eastern Hokkaido. Moment Tensor Solution. s80 Moment tensor: Scale 10^{17}Nm; M_{rr}1.79 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-1.06 $M_{r\theta}$0.76 $M_{\theta\phi}$-0.88 $M_{\phi r}$0.78 Best double couple: NP1:ϕ_s42.00000° ,δ61.00000°,λ92.00000°. NP2:ϕ_s217.00000°,δ29.00000°,λ86.00000°. Principal axes: T 2.1000,Plg74.0000°,Azm318.0000°; N -0.0100,Plg2.0000°,Azm220.0000° ; P -2.0900,Plg15.0000°,Azm130.0000° M_o2.10000×10^{17}
IDC Error ellipse: s-maj=10.6km s-min=7.7km az=138.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=225, per= 50. Moment Tensor Solution. s99,c196; s33,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}2.97±.05 $M_{\theta\theta}$-1.43±.03; $M_{\phi\phi}$-1.54±.04; $M_{r\theta}$0.59±.03; $M_{\theta\phi}$-1.60±.02; $M_{\phi r}$1.17±.03; Best double couple: NP1:ϕ_s231.00000°,δ34.00000°,λ102.00000°. NP2:ϕ_s37.00000°,δ57.00000°,λ82.00000°. Principal axes: T 3.2600,Plg77.0000°,Azm282.0000°; N 0.0700,Plg7.0000°,Azm41.0000° ; P -3.3400,Plg11.0000°,Azm133.0000° M_o3.30000×10^{17}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Kuril Islands, Russia.

(742) Western Indian-Antarctic Ridge

ISC	**IV**	**17 15 35 58.1–.47**	**49.66S–.06**	**126.04E–.07**	**16–2**	**4.8b,4.5s**	**219**	**16-153**
BJI	IV	17 15 35 54.8	50.09S	125.98E	15	5.4b,5.2s		**¶12608510**
IDC	IV	17 15 35 55.7–.50	49.63S	125.84E	0	4.9,4.8		
NEIC	IV	17 15 35 56.8–.35	49.52S	125.93E	10	5.0b,4.8		
ISCJB	IV	17 15 35 56.3–.29	49.59S–.05	126.08E–.10	17	4.8b,4.4s		
GCMT	IV	17 15 35 57.8–.20	49.60S	125.97E	19–1	5.3W,4.4s		
DJA	IV	17 15 36 03.6–3.1	49S–23	126E–10	46–21	5.3b,5.2b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c76; s79,c142; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s284.00000°,δ79.00000°,λ-10.00000°. NP2:ϕ_s16.00000° ,δ80.00000°,λ-168.00000°. Principal axes: T 1.0600,Plg1.0000°,Azm150.0000° ; N -0.0800,Plg75.0000°,Azm57.0000°; P -0.9800,Plg15.0000°,Azm240.0000° M_o1.00000×10^{17}

(196) Irian Jaya region

ISC	**IV**	**17 18 29 30.4–.46**	**0.49S–.03**	**132.87E–.04**	**27–3**	**4.8b,4.0s**	**254**	**2-153**
BJI	IV	17 18 29 21.3	1.05S	133.19E	14	4.9b,4.8b		**¶15153773**
AUST	IV	17 18 29 29.4	0.49S	133.00E	25	4.9b,4.8b		
IDC	IV	17 18 29 30.3–2.8	0.45S	132.89E	26–17	5.0L,4.5		
ISCJB	IV	17 18 29 30.2–.56	0.45S–.03	132.90E–.03	40–5	4.8b,4.0s		
NEIC	IV	17 18 29 32.2–.26	0.51S	132.75E	45	4.7b,4.0s		
DJA	IV	17 18 29 33.5–.70	1S–3.0	133E–2.0	40–6	5.5b,5.4		

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

(222) East of Kuril Islands

ISC	**IV**	**18 19 18 01.1–.36**	**46.05N–.03**	**151.40E–.02**	**51–2**	**6.4s,6.2b**	**2526**	**3-160**
NIED	IV	18 19 17 00	46.00N	152.10E	47	6.5W,6.2b		**¶13438849**
KRSC	IV	18 19 17 52.0–.30	45.17N	152.37E	53–25	6.6L,6.2b		
SKHL	IV	18 19 17 54.8–1.8	45.68N	152.31E	70–9	7.1b,7.0s		
JMA	IV	18 19 17 55.5–.60	45.99N	152.07E	30	6.5,7.0s		
ISCJB	IV	18 19 17 57.6–.26	46.01N–.01	151.50E–.01	34–2	6.4s,6.2b		
NEIC	IV	18 19 17 58.9–.09	46.02N	151.43E	35	6.7W,6.6W		
MOS	IV	18 19 17 59.2–1.1	46.04N	151.44E	54	6.6s,6.5b		
BGS	IV	18 19 18 00.0–1.3	46.36N	152.05E	33	6.4b,6.2s		
IDC	IV	18 19 18 00.1–1.5	46.04N	151.46E	42–13	6.4,6.4s		
BJI	IV	18 19 18 00.0	46.15N	151.47E	62	6.7b,6.6s		
DJA	IV	18 19 18 02.3–1.3	46N–13	150E–19	10	6.8b,6.7		
SZGRF	IV	18 19 18 04.4	46.71N	151.27E	33	6.7b,6.7s		
GCMT	IV	18 19 18 06.0–.10	45.96N	151.74E	50–0	6.6W,6.7s		
NEIC	IV	18 19 18 16.0–.00	45.90N	151.27E	47	6.6W,6.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s339.00000°,δ75.00000°,λ48.00000°. NP2:ϕ_s232.00000°,δ44.00000°,λ158.00000°. M_o5.90000×10^{18}
KRSC Event type se.
SKHL Event type fe. Felt (II) at Yushno-Kurilsk.
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.4km az=153.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=155.0. Felt [II] at Yuzhno-Kuril'sk. Recorded [3 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Complex earthquake observed on broadband displacement seismograms. A small event is followed by a much larger event about 1.5 seconds later. Depth from synthetics of broadband displacement seismograms based on the larger event. Energy computed from CMT mechanism. Moment Tensor Solution. s130 Moment tensor: Scale 10^{18}Nm; M_{rr}5.05 $M_{\theta\theta}$-1.00 $M_{\phi\phi}$-4.05 $M_{r\theta}$1.63 $M_{\theta\phi}$-1.87 $M_{\phi r}$2.71 Best double couple: NP1: ϕ_s28.00000°,δ61.00000°,λ93.00000°. NP2:ϕ_s203.00000°,δ29.00000°,λ85.00000°. Principal axes: T 5.9700,Plg73.0000°,Azm305.0000°; N -0.1200,Plg2.0000°,Azm206.0000° ; P -5.8500,Plg16.0000°,Azm116.0000° M_o5.90000×10^{18} Moment Tensor Solution. M_o1.10000×10^{19}
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=4.0km az=93.6. Fault plane solution: P-wave C159, D11 . Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s217.00000°,δ45.00000°,λ95.00000°. NP2: ϕ_s30.00000°,δ45.00000°,λ85.00000°. Principal axes: T Plg86.0000°,Azm214.0000° ; N Plg4.0000°,Azm34.0000°; P Plg0.0000°,Azm124.0000° M_o2.10000×10^{19}
BGS Error ellipse: s-maj=136.6km s-min=327.7km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=6.9km az=133.0.
SZGRF Kuril Islands, Russia.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 103 sta. Surface waves: sta=121, comp=307, per= 50. Moment Tensor Solution. s117,c295; s99,c221; Moment tensor: Scale 10^{19}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s231.00000°,δ33.00000°,λ109.00000°. NP2:ϕ_s28.00000° ,δ59.00000°,λ78.00000°. Principal axes: T 1.0000,Plg73.0000°,Azm268.0000° ; N 0.0200,Plg10.0000°,Azm35.0000°; P -1.0200,Plg13.0000°,Azm127.0000° M_o1.00000×10^{19}
NEIC Event type se. Moment Tensor Solution. s141 Moment tensor: Scale 10^{19}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s30.00000°,δ63.00000° ,λ80.00000°. NP2:ϕ_s232.00000°,δ28.00000°,λ109.00000°. Principal axes: T 1.0900,Plg70.0000°,Azm279.0000°; N -0.0300,Plg8.0000°,Azm34.0000° ; P -1.0600,Plg17.0000°,Azm127.0000° M_o1.10000×10^{19}

(320) Kyrgyzstan-Xinjiang border region

ISC	**IV**	**19 04 08 19.0–.43**	**41.27N–.03**	**78.22E–.02**	**23–2**	**5.2b,5.0s**	**1137**	**2-156**
BGS	IV	19 04 08 08.7–1.9	40.36N	79.98E	33	5.1s,5.0b		**¶13438864**
LDG	IV	19 04 08 14.2–.34	41.16N	78.11E	10	5.3b,4.7s		
IDC	IV	19 04 08 14.8–.37	41.15N	78.20E	0	5.0L,4.9		
ISCJB	IV	19 04 08 15.5–.51	41.29N–.01	78.23E–.02	10–3	5.2b,5.0s		
NNC	IV	19 04 08 15.6–.95	41.23N	78.20E	5–4	5.8b,5.5		
BJI	IV	19 04 08 18.1	41.27N	78.27E	30	5.8L,5.4s		
MOS	IV	19 04 08 18.7–.97	41.31N	78.24E	33	5.4b,4.8s		
TEH	IV	19 04 08 19.7	41.30N	78.22E	27	5.2L,4.8s		
NEIC	IV	19 04 08 21.0–.44	41.28N	78.20E	39–3	5.3b,4.8s		
GCMT	IV	19 04 08 20.2–.10	41.29N	78.32E	26–0	5.4W,4.8s		
DJA	IV	19 04 08 25.6–1.2	42N–11	78E–6.0	50–15	6.8,6.0		
SZGRF	IV	19 04 08 32.9	42.34N	77.06E	33	5.2b,5.0s		

ISC Event type fe.
BGS Error ellipse: s-maj=864.1km s-min=999.9km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=16.6km s-min=6.0km az=162.0.
IDC Error ellipse: s-maj=9.4km s-min=7.6km az=39.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=22.4.
NNC Error ellipse: s-maj=6.6km s-min=4.6km az=159.0.
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=3.2km az=128.1. Felt (III-IV) ay Almaty. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=188.0. Felt at Bishkek. Felt [II] at Almaty, Kazakhstan.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s69,c116; s99,c199; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.02 $M_{\theta\theta}$-1.36±.02; $M_{\phi\phi}$1.38±.02; $M_{r\theta}$0.05±.04; $M_{\theta\phi}$-0.41±.02; $M_{\phi r}$-0.05±.04; Best double couple: NP1: ϕ_s217.00000°,δ87.00000°,λ0.00000°. NP2:ϕ_s127.00000°,δ90.00000°,λ177.00000°. Principal axes: T 1.4400,Plg2.0000°,Azm82.0000°; N -0.0200,Plg87.0000°,Azm303.0000° ; P -1.4200,Plg2.0000°,Azm172.0000° M_o1.40000×10^{17}
SZGRF Lake Issyk-Kul, Kyrgyzstan, region.

(263) Talaud Islands

ISC	**IV**	**19 05 23 27.2–.25**	**4.12N–.02**	**126.74E–.03**	**34–0**	**5.9b,5.9s**	**1774**	**1-169**
IDC	IV	19 05 23 22.2–.29	4.15N	126.67E	0	5.8,5.8s		**¶13545964**
BJI	IV	19 05 23 22.7	3.77N	126.78E	38	6.2b,6.1s		
MOS	IV	19 05 23 25.5–1.1	4.14N	126.73E	33	6.2b,5.9s		
NEIC	IV	19 05 23 25.9–.10	4.14N	126.68E	25	6.1W,5.9b		
TEH	IV	19 05 23 27.0	4.11N	126.73E	35	6.4L,5.9b		
ISCJB	IV	19 05 23 28.8–.33	4.12N–.01	126.77E–.02	65–2	5.8b,5.9b		
GCMT	IV	19 05 23 29.9–.10	4.14N	126.87E	25–0	6.1W,5.9b		
AUST	IV	19 05 23 30.4–.20	3.96N	126.85E	59–0	6.1W,5.9b		
DJA	IV	19 05 23 32.1–.30	4N–2.0	127E–2.0	67–3	6.4b,6.3		

ISC Event type fe.

NEIC Event type fe. Felt [III] in the Kepulauan Talaud. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. $M_0$3.40000×10^{18}
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=233, per= 50. Moment Tensor Solution. s106,c239; s93,c142; Moment tensor: Scale 10^{18}Nm; M_{rr}1.54±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-1.56±.01; $M_{r\theta}$0.20±.03; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$0.28±.02; Best double couple: NP1:ϕ_s180.00000°,δ40.00000°,λ81.00000°. NP2:ϕ_s12.00000°,δ51.00000°,λ98.00000°. Principal axes: T 1.5900,Plg82.0000°,Azm325.0000°; N 0.0300,Plg6.0000°,Azm187.0000° ; P -1.6100,Plg5.0000°,Azm97.0000° $M_0$1.60000×10^{18}

(6) Rat Islands

ISC	**IV**	**19 05 31 45.7–.37**	**51.68N–.05**	**178.91E–.03**	**23–2**	**5.4s,4.8b**	**457**	**0-150**
BJI	IV	19 05 31 41.8	51.70N	179.00E	24	5.2s,5.2b		**¶13438869**
IDC	IV	19 05 31 41.9–.57	51.60N	178.99E	0	5.6,5.6s		
NEIC	IV	19 05 31 44.1	51.70N	178.88E	21	5.1L,4.9b		
ISCJB	IV	19 05 31 44.5–.42	51.76N–.04	178.95E–.03	28–2	5.3s,4.8b		

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.

(263) Talaud Islands

ISC	**IV**	**19 06 14 50.4–.28**	**4.09N–.03**	**126.78E–.04**	**41–2**	**4.8b,4.6s**	**289**	**2-161**
BJI	IV	19 06 14 43.4	3.55N	127.01E	35	5.2b,4.9s		**¶15153806**
IDC	IV	19 06 14 45.0–.35	4.12N	126.65E	0	4.6,4.6		
NEIC	IV	19 06 14 50.1–.21	4.14N	126.81E	35	4.8b,4.6		
TEH	IV	19 06 14 50.0	4.16N	126.93E	35	4.9L,4.6		
ISCJB	IV	19 06 14 50.5–.53	4.14N–.02	126.85E–.04	54–4	4.8b,4.6s		
DJA	IV	19 06 14 54.7–.50	4N–4.0	127E–4.0	66–4	5.7b,5.2		
AUST	IV	19 06 14 56.0	3.50N	126.50E	60	5.7b,5.2		

ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=8.5km az=78.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.7km az=164.5.

(263) Talaud Islands

ISC	**IV**	**19 15 23 44.4–.56**	**4.09N–.03**	**126.72E–.05**	**31–3**	**4.9b,4.5s**	**371**	**1-161**
IDC	IV	19 15 23 39.7–.38	4.04N	126.66E	0	4.8,4.7		**¶15153808**
MOS	IV	19 15 23 43.0–1.0	4.00N	126.67E	33	5.2b,4.5s		
NEIC	IV	19 15 23 44.6–.18	4.04N	126.68E	35	5.0b,4.5s		
ISCJB	IV	19 15 23 45.8–.45	4.04N–.02	126.86E–.03	60–4	4.9b,4.6s		
BJI	IV	19 15 23 46.8	3.74N	126.75E	93	5.0b,4.8b		
GCMT	IV	19 15 23 47.0–.20	4.16N	126.86E	26–0	5.2W,4.8b		
DJA	IV	19 15 23 49.4–.40	4N–3.0	127E–3.0	71–4	6.5,5.3b		
AUST	IV	19 15 23 50.5–.26	4.00N	126.92E	97–0	6.5,5.3b		

ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=9.9km az=74.0.
MOS Error ellipse: s-maj=12.5km s-min=6.1km az=114.6.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.4km az=166.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c98; s72,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}6.56±.19 $M_{\theta\theta}$0.06±.13; $M_{\phi\phi}$-6.62±.15; $M_{r\theta}$-1.84±.27; $M_{\theta\phi}$1.10±.10; $M_{\phi r}$1.95±.26; Best double couple: NP1:ϕ_s183.00000°,δ37.00000°,λ109.00000°. NP2:ϕ_s339.00000°,δ55.00000°,λ76.00000°. Principal axes: T 7.2400,Plg75.0000° ,Azm207.0000°; N -0.0700,Plg12.0000°,Azm347.0000°; P -7.1600,Plg9.0000°,Azm79.0000° $M_0$7.20000×10^{16}
AUST Error ellipse: s-maj=0.9km s-min=0.7km az=42.0.

(238) Ryukyu Islands

ISC	**IV**	**20 07 22 40.4–.21**	**27.17N–.02**	**129.90E–.02**	**29**	**5.2b,4.6s**	**679**	**1-173**
NIED	IV	20 07 22 00	27.10N	130.00E	5	4.9W,4.6s		**¶12610919**
IDC	IV	20 07 22 35.9–.37	27.16N	130.00E	0	4.9,4.9		
NEIC	IV	20 07 22 37.9–.15	27.10N	129.90E	10	5.3b,4.9W		
JMA	IV	20 07 22 38.1–.10	27.09N	130.01E	59	5.1,4.9W		
BJI	IV	20 07 22 39.3	27.14N	129.99E	44	5.0s,5.0b		
ISCJB	IV	20 07 22 39.9–.11	27.16N–.02	129.90E–.02	32	5.1b,4.7s		
GCMT	IV	20 07 22 41.0–.20	27.09N	129.91E	12	5.1W,4.7s		
DJA	IV	20 07 22 42.9–2.9	27N–6.0	130E–7.0	47–28	6.2,5.6b		
MOS	IV	20 07 22 44.3–.94	28.03N	129.83E	33	5.4b,5.0s		
SZGRF	IV	20 07 22 49.1	28.07N	129.19E	34	5.0b,4.8s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ53.00000°,λ-120.00000°. NP2:ϕ_s230.00000°,δ46.00000°,λ-57.00000°. $M_0$2.92000×10^{16}
IDC Error ellipse: s-maj=13.6km s-min=10.5km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=130.0. Recorded [1 JMA] on Amami-oshima and Tokuno-shima. Moment Tensor Solution. $M_0$2.90000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=155.9.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s40,c63; s63,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.16±.13 $M_{\theta\theta}$0.65±.12; $M_{\phi\phi}$3.50±.12; $M_{r\theta}$0.70±.37; $M_{\theta\phi}$3.15±.10; $M_{\phi r}$0.81±.35; Best double couple: NP1:ϕ_s30.00000°,δ39.00000°,λ-95.00000°. NP2:ϕ_s216.00000°,δ51.00000°,λ-86.00000°. Principal axes: T 5.6500,Plg6.0000° ,Azm303.0000°; N -1.3700,Plg3.0000°,Azm33.0000°; P -4.2800,Plg83.0000°,Azm149.0000° $M_0$5.00000×10^{16}
MOS Error ellipse: s-maj=9.7km s-min=4.9km az=115.3.
SZGRF Ryukyu Islands, Japan.

(221) Kuril Islands

ISC	**IV**	**20 12 02 26.6–.39**	**46.07N–.05**	**151.52E–.04**	**44–3**	**4.8b,4.0s**	**888**	**3-153**
NIED	IV	20 12 02 00	46.10N	151.80E	38	4.6W,4.0s		**¶13438905**
BJI	IV	20 12 02 22.9	46.22N	151.98E	46	4.9b,4.8b		
MOS	IV	20 12 02 24.8–.84	46.09N	151.44E	38	5.2b,4.8b		
JMA	IV	20 12 02 25.5–.60	46.07N	151.81E	30	5.1,4.8b		
ISCJB	IV	20 12 02 25.9–.44	46.08N–.03	151.46E–.02	47–4	4.8b,4.0s		
IDC	IV	20 12 02 26.9–.45	46.12N	151.45E	42–4	4.5,4.4		
SKHL	IV	20 12 02 26.7–.50	46.09N	151.85E	53–17	5.6b,3.9s		
NEIC	IV	20 12 02 27.6–.47	46.12N	151.39E	47–4	4.9b,3.9s		
BGS	IV	20 12 02 29.2–1.8	46.78N	151.45E	33	4.8b,3.9s		
SZGRF	IV	20 12 02 36.0	47.92N	151.38E	33	4.9b,4.2s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ58.00000°,λ72.00000°. NP2:ϕ_s230.00000°,δ36.00000°,λ116.00000°. $M_0$9.27000×10^{15}
MOS Error ellipse: s-maj=7.1km s-min=4.3km az=91.1.
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.4km az=166.1.
IDC Error ellipse: s-maj=11.8km s-min=8.1km az=145.0.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.4km az=161.0.
BGS Error ellipse: s-maj=366.6km s-min=999.9km az=-1.0.
SZGRF Kuril Islands, Russia.

(280) Banda Sea

ISC	**IV**	**20 12 21 25.5–.24**	**4.20S–.03**	**129.75E–.03**	**48–1**	**5.3b,5.2s**	**721**	**0-167**
BJI	IV	20 12 21 15.3	5.09S	130.11E	45	5.6b,5.2s		**¶15153832**
IDC	IV	20 12 21 18.4–.34	4.17S	129.72E	0	5.1s,5.1		
AUST	IV	20 12 21 21.2–1.1	4.34S	129.56E	1–0	5.1s,5.1		
NEIC	IV	20 12 21 21.5–1.9	4.17S	129.73E	20–11	5.6W,5.4b		
MOS	IV	20 12 21 22.6–.99	4.09S	129.71E	33	5.6b,5.0s		
GCMT	IV	20 12 21 24.5–.10	4.12S	129.74E	12	5.6W,5.0s		
ISCJB	IV	20 12 21 24.0–.36	4.14S–.02	129.78E–.02	50–3	5.3b,5.2s		
DJA	IV	20 12 21 24.4–.50	4S–2.0	130E–1.0	12–4	6.0b,5.7		
TEH	IV	20 12 21 26.0	4.14S	129.76E	49	5.5L,5.7		

ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=8.4km az=76.0.
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=38.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.8km az=55.0.
MOS Error ellipse: s-maj=10.0km s-min=5.5km az=113.4.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=218, per= 50. Moment Tensor Solution. s97,c169; s52,c56; Moment tensor: Scale 10^{17}Nm; M_{rr}2.60±.03 $M_{\theta\theta}$-1.54±.03; $M_{\phi\phi}$-1.07±.03; $M_{r\theta}$0.53±.08; $M_{\theta\phi}$1.45±.02; $M_{\phi r}$-0.17±.09; Best double couple: NP1:ϕ_s315.00000°,δ40.00000°,λ97.00000°. NP2:ϕ_s126.00000°,δ51.00000°,λ84.00000°. Principal axes: T 2.6700,Plg83.0000°,Azm358.0000°; N 0.1500,Plg5.0000°,Azm130.0000° ; P -2.8200,Plg5.0000°,Azm220.0000° $M_0$2.70000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=3.1km az=33.0.

(249) Luzon

ISC	**IV**	**20 19 12 38.8–.59**	**15.47N–.03**	**120.28E–.04**	**33–3**	**5.0b,4.4s**	**528**	**0-153**
MAN	IV	20 19 12 34	15.27N	119.73E	14	5.8b,5.3s		**¶13438919**
IDC	IV	20 19 12 36.6–4.1	15.44N	120.26E	18–25	4.5,4.5		
MOS	IV	20 19 12 37.3–.84	15.47N	120.30E	33	5.2b,4.5s		
NEIC	IV	20 19 12 40.8–.55	15.39N	120.24E	50–4	5.1b,4.5s		
ISCJB	IV	20 19 12 40.7–.34	15.52N–.02	120.20E–.03	57–3	4.9b,4.5s		
BJI	IV	20 19 12 40.1	15.42N	120.23E	60	5.1b,4.8s		
GCMT	IV	20 19 12 40.8–.20	15.60N	120.03E	30–0	5.2W,4.8s		
TEH	IV	20 19 12 42.0	15.44N	120.24E	62	4.9L,4.8s		
DJA	IV	20 19 12 46.2–.60	16N–4.0	120E–4.0	62–7	5.4b,5.1b		
AUST	IV	20 19 14 06.1	9.00N	120.99E	450	5.4b,5.1b		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - IBA ZAMBALES; INTENSITY III - STA CRUZ ZAMBALES; BAGUIO CITY;CLARKFIELD PAMPANGA; LINGAYEN PANGASINAN.
IDC Error ellipse: s-maj=13.3km s-min=9.8km az=71.0.
MOS Error ellipse: s-maj=10.0km s-min=4.6km az=121.7.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.8km az=86.0. Felt [IV PIVS] at Iba; [III PIVS] at Baguio, Clark Field, Dagupan, Lingayen, Manila and Santa Cruz; [II PIVS] at Makati, Mandaluyong, Quezon City, San Fernando and San Rafael. Felt [II] at Angeles and Olongapo. Also felt at Abucay, Bacoor, Balibago, Binalonan, Binmaley, Botolan, Capas, Cavite, Mabalacat, Masinloc, Palauig, Paniqui, Rizal, San Antonio, Santa Ana and Tarlac.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=177.9.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c94; s77,c141; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.64±.21 $M_{\theta\theta}$9.16±.15; $M_{\phi\phi}$-6.52±.20; $M_{r\theta}$-0.49±.23; $M_{\theta\phi}$-1.06±.13; $M_{\phi r}$-2.18±.33; Best double couple: NP1:ϕ_s316.00000°,δ72.00000°,λ-16.00000°. NP2:ϕ_s52.00000°,δ74.00000°,λ-161.00000°. Principal axes: T 9.2400,Plg2.0000° ,Azm184.0000°; N -1.6600,Plg66.0000°,Azm90.0000°; P -7.5800,Plg24.0000° ,Azm274.0000° $M_0$8.40000×10^{16}

(173) Tonga Islands

ISC	**IV**	**20 20 02 24.9–.37**	**15.28S–.05**	**173.47W–.05**	**20–2**	**5.2b,5.1s**	**872**	**2-175**
ISCJB	IV	20 20 02 20.7–2.8	15.19S–.05	173.64W–.03	2–17	5.1b,5.0s		**¶15153830**
IDC	IV	20 20 02 21.4–.44	15.18S	173.60W	0	4.9,4.9		
BJI	IV	20 20 02 23.5	15.12S	173.74W	10	5.6b,5.3s		
MOS	IV	20 20 02 26.6–1.2	15.06S	173.59W	33	5.4b,5.3s		
NEIC	IV	20 20 02 27.2–.17	15.17S	173.72W	35	5.4W,5.2b		
AUST	IV	20 20 02 29.5–.01	15.10S	172.82W	106–0	5.4W,5.2b		
GCMT	IV	20 20 02 33.4–.10	15.20S	173.33W	57–1	5.6W,5.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.0km az=157.3.
IDC Error ellipse: s-maj=19.5km s-min=12.3km az=131.0.
MOS Error ellipse: s-maj=13.1km s-min=7.2km az=59.4.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=4.2km az=143.0. Felt at Nuku'alofa. Felt at Apia, Samoa and at Tafuna, American Samoa. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.23 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$0.05 $M_{r\theta}$-1.66 $M_{\theta\phi}$-0.54 $M_{\phi r}$0.21 Best double couple: NP1:ϕ_s275.00000°,δ86.00000°,λ109.00000°. NP2:ϕ_s15.00000° ,δ19.00000°,λ11.00000°. Principal axes: T 1.8000,Plg45.0000°,Azm203.0000° ; N -0.0500,Plg18.0000°,Azm93.0000°; P -1.7500,Plg38.0000°,Azm348.0000° $M_0$1.80000×10^{17}
AUST Error ellipse: s-maj=1.4km s-min=1.2km az=235.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s76,c135; s98,c172; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.04 $M_{\theta\theta}$0.67±.05; $M_{\phi\phi}$-0.59±.04; $M_{r\theta}$-2.69±.06; $M_{\theta\phi}$0.61±.04; $M_{\phi r}$0.60±.03; Best double couple: NP1:ϕ_s200.00000°,δ17.00000°,λ-174.00000°. NP2:ϕ_s104.00000°,δ88.00000°,λ-73.00000°. Principal axes: T 3.0100,Plg41.0000° ,Azm179.0000°; N -0.2600,Plg17.0000°,Azm284.0000°; P -2.7600,Plg44.0000° ,Azm31.0000° $M_0$2.90000×10^{17}

(280) Banda Sea

ISC	**IV**	**20 21 55 28.0–.66**	**4.18S–.06**	**129.68E–.07**	**36**	**4.0b**	**40**	**0-70**
IDC	IV	20 21 55 22.8–.99	3.91S	130.00E	0	4.3L,4.1		**¶12935797**
DJA	IV	20 21 55 26.2–.80	4S–7.0	130E–4.0	7–10	5.9b,5.5		
ISCJB	IV	20 21 55 26.2–.41	4.23S–.04	129.65E–.06	36	4.0b,5.5		
NEIC	IV	20 21 55 27.7–.58	4.17S	129.73E	35	4.1b,5.5		
AUST	IV	20 21 56 00.3–1.5	6.48S	129.92E	219–0	4.1b,5.5		

ISC Event type se.
IDC Error ellipse: s-maj=69.9km s-min=17.7km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.5km az=160.7.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=9.1km az=68.0.
AUST Error ellipse: s-maj=2.3km s-min=0.9km az=34.0.

(186) Vanuatu Islands

ISC	**IV**	**21 00 53 13.7–.29**	**19.79S–.04**	**169.98E–.03**	**40–2**	**5.4b,5.3s**	**884**	**4-167**
NOU	IV	21 00 53 07.4–.55	18.79S	169.61E	30	4.2,3.5L		**¶15153866**
ISCJB	IV	21 00 53 10.1–1.2	19.74S–.03	169.95E–.03	20–8	5.3b,5.2s		
MOS	IV	21 00 53 11.9–1.2	19.76S	169.95E	33	5.6b,5.1s		
BJI	IV	21 00 53 12.9	19.38S	170.27E	39	5.8b,5.3s		
IDC	IV	21 00 53 12.7–5.5	19.80S	170.01E	30–37	5.1,5.1s		
NEIC	IV	21 00 53 13.5–.56	19.77S	169.94E	36–5	5.8W,5.6b		
BGS	IV	21 00 53 13.5–3.5	19.77S	169.94E	33	5.6b,5.6b		
GCMT	IV	21 00 53 14.8–.10	19.72S	170.04E	12	5.6W,5.6b		
AUST	IV	21 00 53 15.7–1.2	19.68S	170.10E	55–0	5.6W,5.6b		
DJA	IV	21 00 53 35.7–3.2	20S–7.0	170E–6.0	231–43	5.8b,5.3		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=228, per= 50. Moment Tensor Solution. s92,c164; s56,c63; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.21±.03 $M_{\theta\theta}$0.98±.03; $M_{\phi\phi}$2.23±.03; $M_{r\theta}$0.51±.08; $M_{\theta\phi}$-1.62±.03; $M_{\phi r}$-0.09±.08; Best double couple: NP1:ϕ_s152.00000°,δ42.00000°,λ-80.00000°. NP2:ϕ_s319.00000°,δ49.00000°,λ-99.00000°. Principal axes: T 3.3600,Plg3.0000°,Azm55.0000°; N -0.0900,Plg7.0000°,Azm325.0000° ; P -3.2700,Plg83.0000°,Azm170.0000° $M_0$3.30000×10^{17}

(263) Talaud Islands

ISC	**IV**	**21 01 10 27.3–.42**	**4.23N–.05**	**126.88E–.07**	**36**	**4.5b**	**100**	**3-158**
IDC	IV	21 01 10 21.9–.46	4.15N	126.68E	0	4.4,4.4		**¶16153179**
AUST	IV	21 01 10 22.2	4.50N	127.01E	30	4.4,4.4		
ISCJB	IV	21 01 10 25.2–.29	4.21N–.03	126.84E–.05	36	4.4b,4.4		
NEIC	IV	21 01 10 26.9–.32	4.15N	126.80E	35	4.7b,4.4		
DJA	IV	21 01 10 29.7–3.0	4N–11	127E–13	34–31	5.8b,5.4		

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

(280) Banda Sea

ISC	**IV**	**21 01 18 30.1–.51**	**4.33S–.05**	**129.63E–.06**	**35**	**4.3b**	**70**	**0-153**
IDC	IV	21 01 18 25.4–.66	4.13S	129.68E	0	4.5,4.4		**¶15153877**
ISCJB	IV	21 01 18 28.2–.32	4.24S–.04	129.69E–.04	33	4.3b,4.4		
DJA	IV	21 01 18 28.5–.60	4S–4.0	130E–3.0	10	5.7b,5.2		
AUST	IV	21 01 18 30.9–.53	4.31S	129.59E	52–0	5.7b,5.2		
NEIC	IV	21 01 18 30.4–.34	4.23S	129.69E	35	4.6b,5.2		

ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=14.2km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.4km az=142.9.
AUST Error ellipse: s-maj=1.5km s-min=0.8km az=42.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.0km az=56.0.

(280) Banda Sea

ISC	**IV**	**21 01 41 19.3–.97**	**4.24S–.04**	**129.65E–.04**	**26–6**	**4.4b,4.0s**	**115**	**0-153**
IDC	IV	21 01 41 14.7–.54	4.28S	129.69E	0	4.4,4.3		**¶15153864**
AUST	IV	21 01 41 15.6–2.8	4.11S	129.59E	1–0	4.4,4.3		
NEIC	IV	21 01 41 18.8–2.7	4.25S	129.76E	27–20	4.6b,4.3		
DJA	IV	21 01 41 18.0–.40	4S–3.0	130E–2.0	9–4	5.9b,5.5		
ISCJB	IV	21 01 41 18.2–.45	4.29S–.03	129.65E–.03	34–5	4.5b,4.0s		

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

(280) Banda Sea

ISC	**IV**	**21 01 58 12.0–.36**	**4.30S–.04**	**129.66E–.05**	**35**	**4.6b,3.7s**	**100**	**0-153**
IDC	IV	21 01 58 07.1–.59	4.21S	129.69E	0	4.4,4.3		**¶15153878**
NEIC	IV	21 01 58 08.7–4.0	4.22S	129.73E	10–26	4.7b,4.3		
ISCJB	IV	21 01 58 10.4–.26	4.28S–.04	129.66E–.04	33	4.5b,3.8s		
DJA	IV	21 01 58 11.4–.50	4S–7.0	130E–4.0	12–7	5.9b,5.6b		
AUST	IV	21 01 58 12.7	3.99S	129.51E	60	5.9b,5.6b		
BJI	IV	21 01 58 17.4	4.01S	129.60E	67	5.0b,5.0b		

ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=13.3km az=68.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.1km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.8km az=143.1.

(280) Banda Sea

ISC	**IV**	**21 02 43 16.4–.50**	**4.31S–.06**	**129.67E–.05**	**35**	**4.1b**	**61**	**0-128**

IDC IV 21 02 43 11.2–.70 4.37S 129.53E 0 4.2,4.1 ¶15153887
DJA IV 21 02 43 14.9–.60 4S–7.0 130E–4.0 12–8 5.6b,5.2b
ISCJB IV 21 02 43 14.3–.33 4.35S–.04 129.65E–.05 33 4.0b,5.2b
AUST IV 21 02 43 16.4–.02 4.23S 129.56E 36–0 4.0b,5.2b
NEIC IV 21 02 43 16.5–.39 4.33S 129.69E 35 4.7b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=15.1km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.3km az=142.7.
AUST Error ellipse: s-maj=1.2km s-min=1.0km az=230.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.0km az=55.0.

(280) Banda Sea

ISC IV 21 05 33 23.0–.27 4.28S–.03 129.69E–.04 36–1 5.4s,5.3b 664 0-167
BJI IV 21 05 33 17.4 4.66S 129.79E 31 5.8b,5.6s ¶15153896
IDC IV 21 05 33 17.5–.37 4.20S 129.62E 0 5.2,5.2
AUST IV 21 05 33 18.9–.22 4.31S 129.61E 1–0 5.2,5.2
ISCJB IV 21 05 33 20.2–.66 4.22S–.03 129.77E–.02 30–4 5.3b,5.3s
DJA IV 21 05 33 21.3–.60 4S–2.0 130E–2.0 10 6.0b,5.8
MOS IV 21 05 33 21.7–1.1 4.12S 129.65E 33 5.6b,5.1s
NEIC IV 21 05 33 22.0–1.8 4.23S 129.66E 30–12 5.7W,5.4b
TEH IV 21 05 33 23.0 4.33S 129.63E 35 5.4L,5.4b
GCMT IV 21 05 33 24.4–.20 4.20S 129.76E 12 5.6W,5.4b
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=9.8km az=56.0.
AUST Error ellipse: s-maj=0.9km s-min=0.5km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=34.9.
MOS Error ellipse: s-maj=12.8km s-min=6.7km az=123.9.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=46.0.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta= 85, comp=143, per= 50. Moment Tension Solution. s44,c61; s20,c22; Moment tensor: Scale 10^{17}Nm; M_{rr}1.97±.06 $M_{\theta\theta}$-0.38±.05; $M_{\phi\phi}$-1.59±.06; $M_{r\theta}$-0.36±.20; $M_{\theta\phi}$2.24±.05; $M_{\phi r}$-0.56±.19; Best double couple: NP1:ϕ_s295.00000°,δ51.00000°,λ48.00000°. NP2:ϕ_s169.00000°,δ55.00000°,λ129.00000°. Principal axes: T 2.3600,Plg59.0000°,Azm139.0000°; N 0.9600,Plg31.0000°,Azm324.0000° ; P -3.3200,Plg2.0000°,Azm233.0000° M_o2.80000×10^{17}

(228) Near east coast of eastern Honshu

ISC IV 21 09 57 50.2–.24 37.36N–.03 141.51E–.03 43–1 5.2b,4.8s 1479 1-155
BJI IV 21 09 57 45.9 37.28N 141.69E 37 5.3b,5.2b ¶12638902
MOS IV 21 09 57 48.7–.73 37.54N 141.43E 33 5.5b,4.7s
JMA IV 21 09 57 49.2–.10 37.34N 141.59E 45–2 5.2,4.7s
IDC IV 21 09 57 49.8–.48 37.35N 141.56E 41–3 4.9,4.9
NEIC IV 21 09 57 50.5–.10 37.37N 141.40E 43 5.3W,5.2b
ISCJB IV 21 09 57 50.1–.27 37.37N–.02 141.46E–.02 51–2 5.2b,4.8s
GCMT IV 21 09 57 53.5–.20 37.32N 141.73E 48–0 5.3W,4.8s
SZGRF IV 21 09 57 53.3 38.40N 142.29E 44 5.4b,5.0s
DJA IV 21 09 57 54.3–4.7 37N–8.0 142E–17 78–40 5.5b,5.2b
NIED IV 21 09 58 00 37.40N 141.60E 44 5.3W,5.2b
ISC Event type fe.
MOS Error ellipse: s-maj=6.4km s-min=3.9km az=104.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s23.00000°,δ56.00000°,λ91.00000°. NP2: ϕ_s201.00000°,δ34.00000°,λ88.00000°. Principal axes: T Plg79.0000°,Azm297.0000° ; N Plg1.0000°,Azm202.0000°; P Plg11.0000°,Azm112.0000°
IDC Error ellipse: s-maj=11.2km s-min=10.1km az=117.0.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.2km az=153.0. Felt [III] at Sendai and [II] at Tokyo. Also felt at Ami, Daigo, Fuchu, Iwaki, Matsudo and Narita. Recorded [3 JMA] in Fukushima, Miyagi and Tochigi; [2 JMA] in Ibaraki, Iwate and Yamagata; [1 JMA] in Akita, Aomori, Chiba, Gumma, Kanagawa, Niigata, Saitama and Tokyo. Moment Tensor Solution. M_o1.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=159.9.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c120; s92,c165; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s203.00000°,δ25.00000°,λ88.00000°. NP2:ϕ_s25.00000° ,δ65.00000°,λ91.00000°. Principal axes: T 1.1900,Plg70.0000°,Azm297.0000° ; N 0.0700,Plg1.0000°,Azm205.0000°; P -1.2500,Plg20.0000°,Azm115.0000° M_o1.20000×10^{17}
SZGRF Near east coast of eastern Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ73.00000°,λ95.00000°. NP2:ϕ_s187.00000°,δ18.00000°,λ73.00000°. M_o1.01000×10^{17}

(275) Java Sea

IDC IV 21 10 46 41.0–7.1 3.78S 104.56E 0 3.5,3.3
DJA IV 21 10 45 55.4–.60 1S–7.0 105E–5.0 10 6.0b,5.6b ¶15852906

(248) Philippine Islands region

ISC IV 21 18 47 38.1–.37 12.32N–.03 126.33E–.04 41–2 4.9b,4.1s 360 2-148
BJI IV 21 18 47 32.9 11.74N 126.41E 40 5.0b,4.8b ¶13438970
IDC IV 21 18 47 32.0–.47 12.29N 126.34E 0 4.8,4.8
MOS IV 21 18 47 35.2–.99 12.28N 126.34E 33 5.3b,4.8
ISCJB IV 21 18 47 35.8–.98 12.38N–.02 126.32E–.03 33–6 4.9b,4.1s
NEIC IV 21 18 47 36.9–2.7 12.27N 126.29E 33–19 4.9b,4.1s
GCMT IV 21 18 47 36.5–.20 12.46N 126.31E 17–0 5.1W,4.1s
TEH IV 21 18 47 37.0 12.25N 126.25E 28 5.0L,4.1s
DJA IV 21 18 47 37.3–1.7 13N–12 127E–9.0 51–17 5.3b,5.0b
MAN IV 21 18 47 37 12.36N 126.13E 56 5.6b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=19.1km s-min=11.6km az=85.0.
MOS Error ellipse: s-maj=10.6km s-min=5.5km az=118.5.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=168.9.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.8km az=74.0.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s28,c32; s72,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.01±.27 $M_{\theta\theta}$0.17±.14; $M_{\phi\phi}$4.84±.19; $M_{r\theta}$1.02±.39; $M_{\theta\phi}$-1.28±.10; $M_{\phi r}$-0.45±.34; Best double couple: NP1:ϕ_s175.00000°,δ42.00000°,λ-75.00000°. NP2:ϕ_s336.00000°,δ50.00000°,λ-103.00000°. Principal axes: T 5.2200,Plg4.0000° ,Azm75.0000°; N -0.0100,Plg10.0000°,Azm344.0000°; P -5.2100,Plg79.0000° ,Azm187.0000° M_o5.20000×10^{16}
MAN Event type fe. INTENSITY II - CAN-AVID EASTERN SAMAR.

(740) Owen Fracture Zone region

ISC IV 21 19 45 05.7–.34 14.48N–.04 56.33E–.03 19–1 5.2b,4.8s 1421 4-132
BJI IV 21 19 44 55.6 13.81N 55.66E 10 5.4b,5.1s ¶12638922
IDC IV 21 19 45 02.7–.38 14.44N 56.37E 0 4.7,4.7
NEIC IV 21 19 45 03.8–.19 14.43N 56.28E 10 5.4b,4.7
GCMT IV 21 19 45 03.6–.10 14.41N 56.22E 12 5.3W,4.7
ISCJB IV 21 19 45 04.2–.17 14.49N–.02 56.28E–.02 20 5.1b,4.8s
TEH IV 21 19 45 04.0 14.41N 56.34E 10 5.2L,4.8s
CSEM IV 21 19 45 06.0–.15 14.49N 56.27E 19 5.3W,5.2b
MOS IV 21 19 45 06.1–1.1 14.46N 56.20E 33 5.4b,4.7s
DHMR IV 21 19 45 06.1–3.0 14.21N 56.19E 10 5.3b,4.7s
SZGRF IV 21 19 45 09.7 14.11N 54.79E 28 5.1b,4.6s
DJA IV 21 19 45 26.5–2.1 14N–5.0 56E–5.0 206–24 5.5b,4.9
OMAN IV 21 19 45 33.9–10 14.37N 56.35E 7–1 5.5b,4.9
ISC Event type ke.
IDC Error ellipse: s-maj=10.4km s-min=10.2km az=94.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.1km az=210.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c106; s94,c185; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.09±.02 $M_{\theta\theta}$0.95±.02; $M_{\phi\phi}$0.14±.02; $M_{r\theta}$0.61±.04; $M_{\theta\phi}$-0.35±.01; $M_{\phi r}$-0.26±.05; Best double couple: NP1:ϕ_s109.00000°,δ29.00000°,λ-92.00000°. NP2:ϕ_s292.00000°,δ61.00000°,λ-89.00000°. Principal axes: T 1.2700,Plg16.0000° ,Azm21.0000°; N 0.0100,Plg1.0000°,Azm111.0000°; P -1.2800,Plg74.0000°,Azm206.0000° M_o1.30000×10^{17}
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=6.4.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=148.0.
MOS Error ellipse: s-maj=7.8km s-min=3.5km az=115.8.
DHMR Error ellipse: s-maj=447.7km s-min=999.9km az=-1.0.
SZGRF Owen Fracture Zone region.
OMAN Error ellipse: s-maj=2.6km s-min=1.9km az=1.0.

(280) Banda Sea

ISC IV 22 05 10 11.0–1.9 4.18S–.04 129.76E–.03 5–12 4.0b 53 0-153
IDC IV 22 05 10 10.4–.88 4.16S 129.98E 0 4.2,4.1L ¶15153904
AUST IV 22 05 10 11.4–.66 4.08S 129.54E 0–0 4.2,4.1L
DJA IV 22 05 10 14.0–.50 4S–3.0 130E–2.0 5–4 6.0b,5.6
NEIC IV 22 05 10 15.4–.57 4.17S 129.99E 35 4.5b,5.6
ISC Event type se.
IDC Error ellipse: s-maj=47.4km s-min=12.3km az=76.0.
AUST Error ellipse: s-maj=1.2km s-min=0.8km az=25.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.2km az=63.0.

(320) Kyrgyzstan-Xinjiang border region

ISC IV 22 09 26 04.8–.30 40.00N–.03 77.20E–.02 30–2 4.9b,4.6s 524 1-155
LDG IV 22 09 25 58.4–.14 39.94N 77.30E 10 4.9b,4.3s ¶12645043
NNC IV 22 09 26 00.9–.54 40.17N 77.16E 0 5.1b,4.8
IDC IV 22 09 26 00.3–.42 40.02N 77.26E 0 4.6,4.6
ISCJB IV 22 09 26 01.2–.13 39.97N–.02 77.25E–.02 18 4.8b,4.6s
BJI IV 22 09 26 02.5 40.10N 77.25E 25 5.2b,5.1L
SZGRF IV 22 09 26 02.1 39.18N 77.45E 33 5.0b,4.3s
NEIC IV 22 09 26 03.8–1.4 40.03N 77.23E 24–9 4.9b,4.3s
MOS IV 22 09 26 03.6–1.1 40.01N 77.22E 33 5.0b,4.5s
DJA IV 22 09 26 05.0–.30 40N–6.0 77E–5.0 10 6.1,5.7
GCMT IV 22 09 26 06.0–.20 40.21N 77.27E 16–0 5.0W,5.7
TEH IV 22 09 26 07.0 40.12N 77.21E 41 4.9L,5.7
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=5.3km az=19.0.
NNC Error ellipse: s-maj=4.9km s-min=3.6km az=149.0.
IDC Error ellipse: s-maj=10.0km s-min=9.0km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=144.5.
SZGRF Southern Xinjiang, China.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.6km az=167.0.
MOS Error ellipse: s-maj=6.5km s-min=3.4km az=122.6.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s37,c58; s75,c126; Moment tensor: Scale 10^{16}Nm; M_{rr}3.75±.19 $M_{\theta\theta}$-3.52±.13; $M_{\phi\phi}$-0.24±.12; $M_{r\theta}$-0.65±.37; $M_{\theta\phi}$-2.59±.11; $M_{\phi r}$1.42±.42; Best double couple: NP1:ϕ_s264.00000°,δ50.00000°,λ124.00000°. NP2:ϕ_s38.00000°,δ51.00000°,λ57.00000°. Principal axes: T 4.4900,Plg65.0000° ,Azm243.0000°; N 0.4500,Plg25.0000°,Azm61.0000°; P -4.9500,Plg1.0000°,Azm151.0000° M_o4.70000×10^{16}

(196) Irian Jaya region

ISC IV 23 01 59 24.7–.48 4.65S–.04 134.01E–.05 21 4.3b 64 1-150
IDC IV 23 01 59 21.7–.77 4.72S 133.87E 0 4.4,4.3 ¶15153918
ISCJB IV 23 01 59 23.0–.35 4.75S–.03 133.93E–.04 21 4.2b,3.3s
NEIC IV 23 01 59 26.6–.53 4.84S 133.84E 35 4.4b,3.3s
AUST IV 23 01 59 27.7–3.2 4.90S 133.94E 31–0 4.4b,3.3s
DJA IV 23 01 59 30.5–.60 4S–3.0 134E–4.0 30–7 5.7b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(221) Kuril Islands

ISC IV 23 07 37 04.3–.38 46.16N–.05 151.93E–.04 46–2 4.9b,4.3s 1114 3-153
NIED IV 23 07 37 00 46.10N 152.40E 47 4.8W,4.3s ¶13439008
JMA IV 23 07 37 00.9–.70 46.13N 152.39E 30 5.2,4.3s
BJI IV 23 07 37 00.1 46.27N 152.43E 45 5.0b,4.9b
ISCJB IV 23 07 37 02.9–.41 46.17N–.03 151.88E–.02 45–4 4.9b,4.3s
MOS IV 23 07 37 03.9–.95 46.24N 151.91E 52 5.2b,4.1s
SKHL IV 23 07 37 03.4–.80 46.09N 152.31E 59–12 5.6b,5.6s
IDC IV 23 07 37 03.1–3.2 46.25N 151.87E 33–23 4.6L,4.6
NEIC IV 23 07 37 04.7–.48 46.21N 151.84E 46–4 5.0b,4.6
GCMT IV 23 07 37 07.4–.30 46.21N 152.04E 38–1 4.9W,4.6
SZGRF IV 23 07 37 14.9 48.08N 151.43E 33 5.2b,4.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s324.00000°,δ86.00000°,λ41.00000°. NP2:ϕ_s231.00000°,δ49.00000°,λ175.00000°. M_o1.76000×10^{16}
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.2km az=169.0.
MOS Error ellipse: s-maj=6.4km s-min=4.1km az=97.2.
IDC Error ellipse: s-maj=14.8km s-min=9.8km az=151.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=2.5km az=166.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c35; s52,c63; Moment tensor: Scale 10^{16}Nm; M_{rr}2.42±.16 $M_{\theta\theta}$-1.03±.13; $M_{\phi\phi}$-1.39±.12; $M_{r\theta}$0.89±.14; $M_{\theta\phi}$-1.46±.08; $M_{\phi r}$1.53±.10; Best double couple: NP1:ϕ_s229.00000°,δ28.00000°,λ103.00000°. NP2:ϕ_s35.00000°,δ62.00000°,λ83.00000°. Principal axes: T 3.0000,Plg72.0000° ,Azm289.0000°; N 0.2300,Plg6.0000°,Azm38.0000°; P -3.2200,Plg17.0000°,Azm130.0000° M_o3.10000×10^{16}
SZGRF Kuril Islands, Russia.

(177) Kermadec Islands region

ISC IV 24 05 37 35.4–.57 31.65S–.04 177.50W–.06 13–3 5.1b,4.8s 311 2-163
IDC IV 24 05 37 33.8–.47 31.34S 177.51W 0 4.8L,4.8 ¶15153929
BJI IV 24 05 37 34.3 31.05S 177.03W 12 5.6b,5.3s
ISCJB IV 24 05 37 34.2–.21 31.83S–.04 177.52W–.05 12 5.0b,4.7s
NEIC IV 24 05 37 35.1–.32 31.67S 177.61W 10 5.2b,4.7s
GCMT IV 24 05 37 37.9–.20 31.44S 177.13W 12 5.1W,4.7s
MOS IV 24 05 37 37.9–1.7 31.41S 177.64W 33 5.2b,5.0s
AUST IV 24 05 38 09.6–6.3 32.26S 178.19W 292–0 5.2b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=15.1km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.0km az=41.8.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.5km az=129.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s36,c45; s87,c134; Moment tensor: Scale 10^{16}Nm; M_{rr}4.45±.11 $M_{\theta\theta}$0.09±.12; $M_{\phi\phi}$-4.54±.09; $M_{r\theta}$-0.50±.44; $M_{\theta\phi}$0.03±.09; $M_{\phi r}$4.80±.32; Best double couple: NP1:ϕ_s184.00000°,δ22.00000°,λ98.00000°. NP2:ϕ_s356.00000°,δ69.00000°,λ87.00000°. Principal axes: T 6.5600,Plg66.0000° ,Azm260.0000°; N 0.0700,Plg3.0000°,Azm357.0000°; P -6.6300,Plg23.0000°,Azm88.0000° M_o6.60000×10^{16}
MOS Error ellipse: s-maj=13.1km s-min=9.7km az=94.0.
AUST Error ellipse: s-maj=2.2km s-min=1.4km az=40.0.

(265) Minahassa Peninsula, Sulawesi

ISC IV 25 14 48 44.0–.67 0.57S–.06 123.24E–.05 10 3.8b 21 1-69
AUST IV 25 14 48 30.5 1.00N 122.50E 60 3.8b ¶15153945
ISCJB IV 25 14 48 42.9–.48 0.62S–.05 123.17E–.04 10 3.8b,3.5s
IDC IV 25 14 48 42.0–1.0 0.53S 123.43E 0 4.2L,4.0
DJA IV 25 14 48 45.7–.90 1S–4.0 123E–4.0 7–9 5.6b,5.1
ISC Event type ke.
ISCJB Event type ke.

(263) Talaud Islands

ISC IV 26 18 14 21.0–.25 4.05N–.03 126.68E–.05 39–2 5.1b,4.3s 582 1-166
IDC IV 26 18 14 15.0–.33 4.04N 126.65E 0 5.0,5.0 ¶13439109
BJI IV 26 18 14 16.7 3.81N 126.86E 35 5.2b,5.0b
MOS IV 26 18 14 18.9–1.1 4.06N 126.55E 33 5.3b,4.3s
NEIC IV 26 18 14 20.4–.14 4.02N 126.57E 35 5.1b,4.3s
ISCJB IV 26 18 14 21.6–.38 4.03N–.02 126.85E–.03 62–3 5.0b,4.3s
GCMT IV 26 18 14 24.2–.40 4.04N 126.78E 29–0 5.1W,4.3s
DJA IV 26 18 14 24.8–.40 4N–3.0 127E–3.0 78–5 5.4,5.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s28,c34; s49,c66; Moment tensor: Scale 10^{16}Nm; M_{rr}4.39±.31 $M_{\theta\theta}$0.84±.19; $M_{\phi\phi}$-5.23±.23; $M_{r\theta}$0.97±.32; $M_{\theta\phi}$-1.04±.19; $M_{\phi r}$-0.71±.32; Best double couple: NP1:ϕ_s25.00000°,δ44.00000°,λ113.00000°. NP2:ϕ_s174.00000°,δ50.00000°,λ69.00000°. Principal axes: T 4.7300,Plg74.0000° ,Azm20.0000°; N 0.7100,Plg16.0000°,Azm188.0000°; P -5.4300,Plg3.0000°,Azm279.0000° M_o5.10000×10^{16}

(716) Kyrgyzstan

ISC IV 26 23 54 12.4–.21 40.89N–.02 72.90E–.02 26–1 5.2b,4.6s 1026 2-152
SZGRF IV 26 23 54 03.3 40.15N 74.52E 29 5.1b,5.0s ¶12749985
PDG IV 26 23 54 08.8 41.00N 72.90E 27 5.2b,5.0s
LDG IV 26 23 54 09.3–.14 40.66N 72.92E 33 5.2b,4.3s
ISCJB IV 26 23 54 10.8–.09 40.90N–.01 72.94E–.02 27 5.1b,4.6s
BJI IV 26 23 54 11.3 41.07N 73.08E 20 5.2L,5.1b
MOS IV 26 23 54 11.6–1.0 40.99N 72.87E 33 5.4b,4.7s
NEIC IV 26 23 54 12.6–.16 40.93N 72.90E 28 5.3b,4.7s
IDC IV 26 23 54 12.5–.34 40.94N 72.97E 27–2 4.9L,4.7
TEH IV 26 23 54 13.0 41.02N 72.98E 28 5.3L,4.7
NNC IV 26 23 54 14.5–2.7 41.28N 72.94E 17–14 5.5b,5.5
GCMT IV 26 23 54 15.8–.30 41.06N 72.62E 36–1 4.9W,5.5
DJA IV 26 23 54 16.3–1.7 41N–4.0 73E–4.0 28–14 5.9,5.9b
ISC Event type fe.
SZGRF Kyrgyzstan-Xinjiang border region.
PDG Event type ke.
LDG Event type ke.
ISCJB Event type fe.

NEIC Event type fe. Felt [V] at Jalal-Abad. Also felt at Bazar-Kurgan, Karakol and Khaydarkan. Felt [III] at Tashkent, Uzbekistan. Also felt at Andijon and Angren.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c47; s55,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}1.95±.14 $M_{\theta\theta}$-0.01±.10; $M_{\phi\phi}$-1.94±.10; $M_{r\theta}$-1.32±.11; $M_{\theta\phi}$-1.53±.07; $M_{\phi r}$-1.40±.10; Best double couple: NP1:ϕ_s11.00000°,δ28.00000°,λ63.00000°. NP2:ϕ_s221.00000°,δ65.00000°,λ103.00000°. Principal axes: T 2.7100,Plg67.0000° ,Azm156.0000°; N 0.7300,Plg12.0000°,Azm35.0000°; P -3.4300,Plg19.0000°,Azm301.0000° M_o3.10000×10^{16}

(58) Near coast of Guerrero

ISC	**IV**	**27 16 46 27.5–.27**	**16.96N–.03**	**99.57W–.02**	**32–1**	**5.7b,5.5s**	**1732**	**1-168**
BJI	IV	27 16 46 25.3	16.40N	98.60W	35	5.9s,5.9b		**¶12704953**
MOS	IV	27 16 46 27.4–.83	17.14N	99.40W	33	5.9b,5.9b		
IDC	IV	27 16 46 27.9–.47	17.00N	99.38W	31–3	5.4,5.4		
MEX	IV	27 16 46 27.4–.65	16.88N	99.62W	6–5	5.7,5.4		
NEIC	IV	27 16 46 28.6–.14	17.03N	99.45W	35	5.8W,5.7b		
ISCJB	IV	27 16 46 28.5–.35	17.12N–.02	99.43W–.02	44–2	5.6b,5.5s		
SZGRF	IV	27 16 46 31.8	16.76N	98.43W	38	5.5b,5.5s		
TEH	IV	27 16 46 31.0	17.14N	99.36W	49	5.6L,5.5s		
CASC	IV	27 16 46 31.4–2.2	17.03N	99.45W	35	5.7b,5.3		
GCMT	IV	27 16 46 31.7–.10	17.06N	99.41W	32–0	5.8W,5.3		

ISC Event type fe.
MOS Error ellipse: s-maj=6.0km s-min=3.7km az=88.8.
IDC Error ellipse: s-maj=10.3km s-min=6.9km az=58.0.
MEX Error ellipse: s-maj=2.8km s-min=2.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=34.0. Felt [V] at Acapulco; [IV] at Ecatepec, Huixquilucan, Naucalpan and Tlalnepantla; [III] at Acahualco and Mexico; [II] at Cuernavaca, Leon, Puebla and Toluca. Also felt at Atizapan, Celaya, Cholula, Coyuca, Cuautlancingo, Huajuapan, Iguala, Ixtapaluca, Jiutepec, Lerma, Ocoyoacac, Orizaba, Temixco and Tlapa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s280.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s100.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm190.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm10.0000° Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}1.95 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$-1.06 $M_{r\theta}$-2.48 $M_{\theta\phi}$0.24 $M_{\phi r}$0.48 Best double couple: NP1:ϕ_s286.00000°,δ75.00000°,λ84.00000°. NP2:ϕ_s126.00000° ,δ16.00000°,λ110.00000°. Principal axes: T 3.4100,Plg59.0000°,Azm187.0000° ; N -0.9400,Plg5.0000°,Azm287.0000°; P -2.4700,Plg29.0000°,Azm20.0000° M_o3.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=1.9km az=34.9.
SZGRF Near coast of Guerrero, Mexico.
CASC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 94, comp=204, per= 50. Moment Tensor Solution. s97,c209; s68,c85; Moment tensor: Scale 10^{17}Nm; M_{rr}4.17±.06 $M_{\theta\theta}$-5.01±.05; $M_{\phi\phi}$0.84±.06; $M_{r\theta}$-4.97±.11; $M_{\theta\phi}$-0.50±.05; $M_{\phi r}$1.07±.10; Best double couple: NP1:ϕ_s69.00000°,δ23.00000°,λ62.00000°. NP2:ϕ_s279.00000°,δ69.00000°,λ101.00000°. Principal axes: T 6.5900,Plg64.0000°,Azm207.0000°; N 0.6000,Plg11.0000°,Azm95.0000° ; P -7.1900,Plg24.0000°,Azm360.0000° M_o6.90000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**IV**	**27 21 37 35.6–.32**	**36.45N–.03**	**141.08E–.03**	**43–2**	**5.1b,4.7s**	**1095**	**0-147**
NIED	IV	27 21 37 00	36.40N	141.20E	38	5.1W,4.7s		**¶13546250**
BJI	IV	27 21 37 33.0	36.46N	141.06E	42	5.0b,5.0b		
MOS	IV	27 21 37 34.8–.73	36.73N	140.95E	33	5.3b,4.6s		
JMA	IV	27 21 37 34.5–.10	36.41N	141.13E	48–2	5.0,4.6s		
ISCJB	IV	27 21 37 35.5–.34	36.44N–.02	141.01E–.02	50–2	5.1b,4.5s		
NEIC	IV	27 21 37 36.9–.40	36.36N	140.95E	53–3	5.1b,5.1W		
SZGRF	IV	27 21 37 36.7	36.98N	142.35E	45	5.2b,4.8s		
IDC	IV	27 21 37 37.3–1.6	36.36N	141.13E	59–14	4.7,4.7		
GCMT	IV	27 21 37 38.9–.20	36.35N	141.35E	44–0	5.2W,4.7		
DJA	IV	27 21 37 41.0–4.8	36N–14	141E–25	72–48	5.8b,5.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ69.00000°,λ90.00000°. NP2:ϕ_s204.00000°,δ21.00000°,λ89.00000°. M_o5.80000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s357.00000°,δ76.00000°,λ83.00000°. NP2:ϕ_s206.00000°,δ15.00000°,λ118.00000°. Principal axes: T Plg58.0000°,Azm257.0000°; N Plg7.0000°,Azm359.0000°; P Plg31.0000° ,Azm93.0000°
ISCJB Event type fe.
NEIC Event type fe. Felt at Fujioka, Ichikawa, Tsukuba, Utsunomiya and Yokohama. Recorded [3 JMA] in Fukushima, Ibaraki and Tochigi; [2 JMA] in Chiba, Gumma, Iwate, Kanagawa, Miyagi, Nagano, Saitama and Tokyo. Moment Tensor Solution. M_o5.80000×10^{16}
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c90; s80,c149; Moment tensor: Scale 10^{16}Nm; M_{rr}6.11±.21 $M_{\theta\theta}$-0.25±.14; $M_{\phi\phi}$-5.86±.14; $M_{r\theta}$1.17±.13; $M_{\theta\phi}$-2.27±.10; $M_{\phi r}$3.91±.12; Best double couple: NP1:ϕ_s201.00000°,δ29.00000°,λ93.00000°. NP2:ϕ_s18.00000°,δ61.00000°,λ88.00000°. Principal axes: T 7.3100,Plg74.0000° ,Azm284.0000°; N 0.5500,Plg1.0000°,Azm19.0000°; P -7.8500,Plg16.0000°,Azm109.0000° M_o7.60000×10^{16}

(224) Hokkaido region

ISC	**IV**	**28 11 21 19.6–.30**	**42.67N–.02**	**145.00E–.02**	**19–1**	**5.9b,5.0s**	**1979**	**0-158**
NIED	IV	28 11 21 00	42.50N	145.20E	23	5.2W,5.0s		**¶13439158**
IDC	IV	28 11 21 16.1–.32	42.58N	145.08E	0	5.7,5.7		
BJI	IV	28 11 21 17.0	42.67N	145.03E	18	5.4b,5.4b		
ISCJB	IV	28 11 21 18.6–.46	42.61N–.02	144.98E–.01	24–3	5.8b,5.0s		
TEH	IV	28 11 21 18.0	42.68N	144.94E	7	5.3L,5.0s		
NEIC	IV	28 11 21 18.8–.81	42.65N	144.95E	15–5	5.9b,5.2W		
MOS	IV	28 11 21 19.5–.79	42.57N	144.99E	33	6.1b,5.0s		
JMA	IV	28 11 21 19.4	42.59N	145.09E	38–1	5.4,5.0s		
SKHL	IV	28 11 21 20.2–.30	42.57N	145.33E	67–8	6.0b,5.7s		
GCMT	IV	28 11 21 22.6–.20	42.60N	145.04E	22–0	5.2W,5.7s		
BGS	IV	28 11 21 23.1–1.2	43.03N	143.28E	15	5.9b,5.3s		
SZGRF	IV	28 11 21 24.5	43.46N	145.98E	30	5.9b,5.3s		
DJA	IV	28 11 21 25.8–2.6	43N–6.0	145E–8.0	75–23	6.4,5.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s77.00000°,δ68.00000°,λ-124.00000°. NP2:ϕ_s318.00000°,δ40.00000°,λ-36.00000°. M_o6.92000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Felt at Bihoro, Makubetsu and Sapporo. Recorded [4 JMA] in eastern Hokkaido; [2 JMA] in central and southeastern Hokkaido; [1 JMA] in southwestern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate, Honshu. Moment Tensor Solution. s39 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.14 $M_{\theta\theta}$7.90 $M_{\phi\phi}$-1.76 $M_{r\theta}$-0.68 $M_{\theta\phi}$-3.26 $M_{\phi r}$-0.08 Best double couple: NP1:ϕ_s292.00000°,δ43.00000°,λ-83.00000°. NP2:ϕ_s103.00000° ,δ48.00000°,λ-96.00000°. Principal axes: T 8.9200,Plg2.0000°,Azm196.0000° ; N -2.7400,Plg4.0000°,Azm106.0000°; P -6.1900,Plg84.0000°,Azm314.0000° M_o7.90000×10^{16} Moment Tensor Solution. M_o6.90000×10^{16}
MOS Event type fe. Felt (II-III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
JMA Event type fe.
SKHL Event type fe. Felt (II) at Yushno-Kurilsk.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 91, comp=161, per= 50. Moment Tensor Solution. s69,c109; s6,c6; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.04±.22 $M_{\theta\theta}$7.06±.16; $M_{\phi\phi}$-2.02±.17; $M_{r\theta}$-6.13±.36; $M_{\theta\phi}$-3.23±.12; $M_{\phi r}$-0.80±.31; Best double couple: NP1:ϕ_s317.00000°,δ31.00000°,λ-43.00000°. NP2:ϕ_s86.00000°,δ69.00000°,λ-114.00000°. Principal axes: T 10.2000,Plg21.0000°,Azm193.0000°; N -2.0000,Plg22.0000°,Azm94.0000° ; P -8.3000,Plg59.0000°,Azm322.0000° M_o9.20000×10^{16}
SZGRF Hokkaido, Japan, region.

(189) Southeast of Loyalty Islands

ISC	**IV**	**28 18 14 36.3–4.0**	**22.61S–.09**	**170.99E–.08**	**25–27**	**4.7b,4.1s**	**193**	**4-166**
IDC	IV	28 18 14 32.5–.76	22.64S	171.03E	0	4.6,4.5		**¶15154002**
NEIC	IV	28 18 14 33.4–.29	22.70S	171.08E	10	4.8b,4.5		
ISCJB	IV	28 18 14 36.7–1.1	22.66S–.07	170.88E–.05	35–9	4.6b,4.0s		
NOU	IV	28 18 14 36.8–1.2	20.89S	170.87E	30	3.3L,3.2		
SZGRF	IV	28 18 14 37.3	22.23S	172.76E	33	5.7b,3.2		
AUST	IV	28 18 15 31.1	21.97S	167.31E	300	5.7b,3.2		

ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=19.8km az=166.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.9km az=222.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=7.5km az=0.3.
NOU Error ellipse: s-maj=87.0km s-min=33.4km az=-1.0.
SZGRF Southeast of Loyalty Islands.

(135) Near coast of central Chile

ISC	**IV**	**29 16 24 40.8–.54**	**29.97S–.03**	**71.52W–.06**	**45–4**	**4.7b,4.0s**	**473**	**1-176**
ISCJB	IV	29 16 24 40.6–.65	29.97S–.04	71.44W–.07	52–6	4.7b,4.0s		**¶12746022**
NEIC	IV	29 16 24 40.8–.16	30.00S	71.39W	44	4.8b,4.0s		
IDC	IV	29 16 24 40.7–2.5	30.02S	71.38W	42–22	4.5,4.5L		
GUC	IV	29 16 24 40.2–.50	29.98S	71.45W	47–3	4.8L,4.5L		
BJI	IV	29 16 24 42.8	30.00S	71.40W	43	5.6s,5.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=5.8km az=174.5.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=72.0. Felt [IV] at Coquimbo, La Serena and Vicuna; [II] at Ovalle. Also felt at Andacollo.
IDC Error ellipse: s-maj=18.8km s-min=13.5km az=81.0.
GUC Error ellipse: s-maj=1.6km s-min=5.3km az=-1.0.

(291) South of Sumbawa

ISC	**IV**	**29 21 31 26.3–.35**	**10.61S–.04**	**118.85E–.03**	**59–2**	**4.8b,3.8s**	**250**	**2-152**
BJI	IV	29 21 31 16.1	11.50S	119.25E	56	5.1b,4.9b		**¶15154016**
IDC	IV	29 21 31 19.3–.46	10.41S	118.90E	0	4.7,4.7L		
AUST	IV	29 21 31 19.7–1.2	10.54S	118.86E	0–0	4.7,4.7L		
TEH	IV	29 21 31 23.0	10.74S	118.76E	39	4.8L,4.7L		
NEIC	IV	29 21 31 24.8–.84	10.54S	118.83E	44–8	4.8b,4.7L		
ISCJB	IV	29 21 31 24.2–.40	10.65S–.03	118.78E–.02	58–4	4.8b,3.8s		
DJA	IV	29 21 31 25.7–.30	11S–3.0	119E–2.0	45–7	5.7b,5.7		

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

(209) Western Caroline Islands

ISC	**IV**	**30 01 58 43.0–.40**	**11.03N–.05**	**140.55E–.05**	**47–2**	**4.7b,4.1s**	**198**	**5-158**
IDC	IV	30 01 58 36.0–.50	11.13N	140.66E	0	4.5,4.4		**¶12746037**
NEIC	IV	30 01 58 37.7–.21	11.06N	140.56E	10	4.9b,4.4		
MOS	IV	30 01 58 39.4–1.1	11.04N	140.41E	33	4.9b,4.4		
ISCJB	IV	30 01 58 39.7–1.1	11.02N–.05	140.56E–.05	34–10	4.6b,4.1s		
BJI	IV	30 01 58 41.6	11.00N	140.50E	45	5.0b,4.7b		
DJA	IV	30 01 58 48.7–.90	11N–8.0	141E–10	98–15	5.4b,5.2		

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

(193) Bougainville - Solomon Islands region

ISC	**V**	**01 06 03 07.3–.29**	**10.76S–.03**	**162.37E–.03**	**31–1**	**5.8b,5.6s**	**950**	**3-173**
IDC	V	01 06 03 02.5–.36	10.69S	162.27E	0	5.5,5.5		**¶15154034**
ISCJB	V	01 06 03 03.2–.96	10.73S–.03	162.23E–.02	12–6	5.7b,5.6s		
BJI	V	01 06 03 04.2	10.40S	162.89E	27	5.8s,5.6b		
NEIC	V	01 06 03 05.7–.14	10.77S	162.22E	21	5.9b,5.9W		
GCMT	V	01 06 03 06.9–.10	10.76S	162.33E	13–0	5.9W,5.9W		
MOS	V	01 06 03 06.4–1.2	10.67S	162.21E	33	5.8b,5.6s		
NOU	V	01 06 03 08.9–1.2	11.28S	162.28E	0–999	4.5,3.7L		
AUST	V	01 06 03 10.0	10.82S	162.46E	60	4.5,3.7L		
DJA	V	01 06 03 12.3–1.1	11S–4.0	163E–7.0	84–13	6.2b,5.9		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.51 $M_{\theta\theta}$-7.52 $M_{\phi\phi}$9.03 $M_{r\theta}$-1.37 $M_{\theta\phi}$2.17 $M_{\phi r}$1.86 Best double couple: NP1:ϕ_s143.00000° ,δ86.00000°,λ-164.00000°. NP2:ϕ_s52.00000°,δ74.00000°,λ-4.00000°. Principal axes: T 9.5600,Plg8.0000°,Azm276.0000°; N -1.3700,Plg73.0000°,Azm155.0000° ; P -8.1900,Plg13.0000°,Azm8.0000° M_o9.00000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=119, comp=244, per= 50. Moment Tensor Solution. s111,c243; s76,c102; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.35±.06 $M_{\theta\theta}$-7.41±.06; $M_{\phi\phi}$8.76±.07; $M_{r\theta}$-2.19±.18; $M_{\theta\phi}$-0.13±.05; $M_{\phi r}$-1.38±.15; Best double couple: NP1:ϕ_s136.00000°,δ72.00000°,λ-172.00000°. NP2:ϕ_s43.00000°,δ83.00000°,λ-19.00000°. Principal axes: T 8.9500,Plg8.0000°,Azm91.0000°; N -0.8100,Plg70.0000°,Azm203.0000° ; P -8.1400,Plg18.0000°,Azm358.0000° M_o8.50000×10^{17}

(426) Chagos Archipelago region

ISC	**V**	**01 07 18 58.6–.54**	**5.06S–.07**	**68.49E–.06**	**18–1**	**4.6b,4.5s**	**190**	**5-155**
BJI	V	01 07 18 50.8	5.48S	67.98E	6	5.3b,4.9s		**¶12742825**
IDC	V	01 07 18 56.0–.71	4.89S	68.56E	0	4.4s,4.4		
ISCJB	V	01 07 18 55.9–.39	5.05S–.07	68.55E–.04	10	4.5b,4.5s		
NEIC	V	01 07 18 58.1–.37	4.98S	68.58E	10	4.9b,4.5s		
DJA	V	01 07 18 59.2–1.1	5S–9.0	69E–15	10	6.9b,6.8		
GCMT	V	01 07 19 00.3–.40	5.34S	68.66E	20–1	5.1W,6.8		

ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=15.5km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=178.7.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.3km az=191.0.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s14,c15; s68,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.65±.42 $M_{\theta\theta}$2.07±.30; $M_{\phi\phi}$2.58±.28; $M_{r\theta}$-3.69±.60; $M_{\theta\phi}$-2.88±.19; $M_{\phi r}$-2.83±.48; Best double couple: NP1:ϕ_s344.00000°,δ50.00000°,λ-45.00000°. NP2:ϕ_s107.00000°,δ57.00000°,λ-130.00000°. Principal axes: T 5.2400,Plg4.0000° ,Azm225.0000°; N 2.4400,Plg33.0000°,Azm132.0000°; P -7.6800,Plg57.0000° ,Azm320.0000° M_o6.50000×10^{16}

(277) Jawa

ISC	**V**	**02 01 33 59.7–.76**	**8.47S–.04**	**107.91E–.03**	**59–8**	**4.0b**	**44**	**1-144**
AUST	V	02 01 33 57.8	8.38S	107.88E	60	4.0b		**¶15154064**
DJA	V	02 01 33 58.7–.70	8S–3.0	108E–2.0	9–6	5.9b,5.5		
ISCJB	V	02 01 33 58.3–.47	8.48S–.04	107.87E–.03	58–6	3.9b,3.4s		
IDC	V	02 01 34 05.6–14	8.02S	108.14E	104–127	3.8,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.2km az=159.6.
IDC Error ellipse: s-maj=91.1km s-min=23.4km az=52.0.

(12) Alaska Peninsula

ISC	**V**	**02 02 19 10.9–.21**	**54.53N–.03**	**161.53W–.02**	**41–1**	**5.7b,5.0s**	**1786**	**1-163**
BGS	V	02 02 19 07.7–1.3	54.33N	160.31W	10	5.7b,5.0s		**¶13439271**
MOS	V	02 02 19 09.5–.91	54.56N	161.62W	33	5.9b,5.0s		
IDC	V	02 02 19 10.7–.67	54.52N	161.62W	33–4	5.2,5.2		
ISCJB	V	02 02 19 10.9–.26	54.51N–.02	161.52W–.02	43–2	5.6b,5.0s		
NEIC	V	02 02 19 12.5	54.53N	161.52W	9	5.6b,5.6W		
BJI	V	02 02 19 12.4	54.99N	162.32W	40	5.6b,5.5b		
GCMT	V	02 02 19 13.4–.10	54.53N	161.52W	21–0	5.6W,5.5b		
DJA	V	02 02 19 16.6–3.7	55N–9.0	161W–18	85–33	5.9b,5.6b		
SZGRF	V	02 02 19 19.0	55.55N	161.78W	35	5.8b,4.8s		

ISC Event type fe.
BGS Error ellipse: s-maj=146.2km s-min=472.3km az=-1.0.
MOS Error ellipse: s-maj=6.6km s-min=3.5km az=89.8.
IDC Error ellipse: s-maj=12.6km s-min=7.7km az=177.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=1.9km az=179.3.
NEIC Event type fe. Felt [IV] at Sand Point. Also felt at Cold Bay, False Pass, King Cove and Perryville. After AEIC. Moment Tensor Solution. s57 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$0.07 $M_{r\theta}$1.08 $M_{\theta\phi}$-0.26 $M_{\phi r}$0.32 Best double couple: NP1:ϕ_s74.00000° ,δ82.00000°,λ96.00000°. NP2:ϕ_s215.00000°,δ10.00000°,λ51.00000°. Principal axes: T 1.0800,Plg52.0000°,Azm351.0000°; N 0.1800,Plg6.0000°,Azm253.0000° ; P -1.2600,Plg37.0000°,Azm158.0000° M_o1.20000×10^{17} Moment Tensor Solution. M_o2.70000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 93, comp=159, per= 50. Moment Tensor Solution. s77,c123; s4,c4; Moment tensor: Scale 10^{17}Nm; M_{rr}0.27±.02 $M_{\theta\theta}$-0.22±.02; $M_{\phi\phi}$-0.05±.02; $M_{r\theta}$2.63±.14; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$0.93±.06; Best double couple: NP1:ϕ_s212.00000°,δ4.00000°,λ52.00000°. NP2:ϕ_s71.00000°,δ87.00000°,λ92.00000°. Principal axes: T 2.7700,Plg48.0000°,Azm343.0000°; N 0.0700,Plg2.0000°,Azm250.0000° ; P -2.8400,Plg42.0000°,Azm158.0000° M_o2.80000×10^{17}
SZGRF Alaska Peninsula, United States.

(263) Talaud Islands

ISC	**V**	**02 10 55 37.1–.42**	**3.82N–.03**	**126.79E–.04**	**45–3**	**4.7b,4.0s**	**315**	**1-150**
IDC	V	02 10 55 30.6–.40	3.87N	126.60E	0	4.7,4.7		**¶15154061**
MOS	V	02 10 55 33.9–1.1	3.92N	126.70E	33	5.0b,4.7		
BJI	V	02 10 55 34.0	3.90N	126.80E	35	4.9b,4.8b		
NEIC	V	02 10 55 35.9–.21	3.89N	126.73E	35	4.8b,4.8b		
ISCJB	V	02 10 55 36.9–.48	3.88N–.02	126.83E–.03	62–4	4.7b,4.8b		
AUST	V	02 10 55 39.9–.01	3.73N	126.84E	71–0	4.7b,4.8b		
DJA	V	02 10 55 41.5–.40	4N–3.0	127E–3.0	62–7	5.2b,5.2		

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

(209) Western Caroline Islands

ISC	**V**	**02 14 02 24.4–.34**	**11.21N–.03**	**140.78E–.04**	**33–2**	**5.2b,4.8s**	**479**	**5-170**
NEIC	V	02 14 02 18.6–.18	11.28N	140.46E	10	5.3b,5.2W		**¶12747569**
IDC	V	02 14 02 19.7–.42	11.09N	140.46E	0	5.0,5.0		
MOS	V	02 14 02 21.8–.98	11.15N	140.88E	33	5.5b,5.0s		

ISCJB	V	02 14 02 22.4–.86	11.18N–.03	140.91E–.03	36–7	5.2b,4.9s	
BJI	V	02 14 02 23.7	11.10N	140.40E	37	5.3b,5.1s	
TEH	V	02 14 02 23.0	11.06N	140.40E	37	5.3L,5.1s	
GCMT	V	02 14 02 26.7–.10	11.00N	140.38E	12	5.3W,5.1s	
DJA	V	02 14 02 32.2–.60	11N–7.0	141E–7.0	127–11	5.8,5.6b	

ISC Event type se.

NEIC Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}1.02 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-0.29 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.16 $M_{\phi r}$-0.14 Best double couple: NP1:ϕ_s245.00000°,δ43.00000°,λ78.00000°. NP2:ϕ_s81.00000°,δ49.00000°,λ101.00000°. Principal axes: T 1.0500,Plg81.0000°,Azm52.0000°; N -0.2600,Plg7.0000°,Azm253.0000°; P -0.7800,Plg3.0000°,Azm163.0000° $M_0$0.94000×10^{17}

ISCJB Event type se.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 90, comp=171, per= 50. Moment Tensor Solution. s76,c127; s23,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s100.00000°,δ42.00000°,λ117.00000°. NP2:ϕ_s245.00000°,δ54.00000°,λ67.00000°. Principal axes: T 1.0600,Plg71.0000°,Azm99.0000°; N -0.0800,Plg18.0000°,Azm259.0000°; P -0.9800,Plg6.0000°,Azm351.0000° $M_0$1.00000×10^{17}

(209) Western Caroline Islands

ISC	**V**	**03 00 10 36.5–.32**	**11.08N–.03**	**140.54E–.04**	**32–1**	**5.0b,4.6s**	**343**	**5-157**
BJI	V	03 00 10 31.4	10.83N	140.87E	27	5.3b,4.9s		**¶12750391**
ISCJB	V	03 00 10 34.0–1.1	11.09N–.04	140.51E–.03	25–7	4.9b,4.7s		
IDC	V	03 00 10 35.3–5.0	11.07N	140.52E	23–32	4.7L,4.6		
NEIC	V	03 00 10 36.0–2.3	11.10N	140.51E	28–16	5.0b,4.6		
MOS	V	03 00 10 35.9–1.0	11.29N	140.45E	33	5.1b,4.9s		
GCMT	V	03 00 10 37.9–.10	10.96N	140.38E	12	5.2W,4.9s		
DJA	V	03 00 10 41.5–1.6	12N–16	140E–18	66–26	5.9,5.5b		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s58,c94; s72,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}6.40±.15 $M_{\theta\theta}$-6.87±.12; $M_{\phi\phi}$0.47±.15; $M_{r\theta}$1.85±.35; $M_{\theta\phi}$-2.70±.12; $M_{\phi r}$-2.28±.43; Best double couple: NP1:ϕ_s230.00000°,δ45.00000°,λ56.00000°. NP2:ϕ_s94.00000°,δ54.00000°,λ119.00000°. Principal axes: T 7.6600,Plg66.0000°,Azm63.0000°; N 0.1700,Plg23.0000°,Azm255.0000°; P -7.8400,Plg4.0000°,Azm163.0000° $M_0$7.80000×10^{16}

(196) Irian Jaya region

ISC	**V**	**03 16 49 14.9–1.5**	**0.4S–.10**	**133.11E–.06**	**32**		**13**	**2-32**
ISCJB	V	03 16 49 13.9–1.3	0.2S–.10	132.99E–.05	32	3.6b		**¶13678283**
DJA	V	03 16 49 16.4–.80	0S–6.0	133E–3.0	13	5.8b,5.3		
IDC	V	03 16 49 17.1–14	0.91S	133.31E	0	3.9,3.7		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=7.0km az=7.9.

IDC Error ellipse: s-maj=217.9km s-min=96.3km az=164.0.

(196) Irian Jaya region

ISC	**V**	**04 03 33 51.9–.24**	**3.59S–.03**	**135.49E–.03**	**53–1**	**5.6b,4.8s**	**985**	**2-167**
AUST	V	04 03 33 45.8–.79	3.62S	135.53E	0–0	5.6b,4.8s		**¶15154101**
BJI	V	04 03 33 47.7	3.75S	135.96E	58	5.6b,5.4b		
MOS	V	04 03 33 48.7–.97	3.45S	135.45E	33	5.8b,4.5s		
ISCJB	V	04 03 33 50.1–.42	3.56S–.02	135.55E–.02	49–3	5.6b,4.7s		
NEIC	V	04 03 33 52.4–.66	3.54S	135.50E	57–5	5.6b,5.5W		
TEH	V	04 03 33 52.0	3.56S	135.53E	51	5.6L,5.5W		
IDC	V	04 03 33 52.7–.46	3.54S	135.43E	55–3	5.1,5.1		
DJA	V	04 03 33 53.3–.20	4S–2.0	136E–2.0	45–3	5.9b,5.8		
GCMT	V	04 03 33 55.9–.10	3.62S	135.53E	57–0	5.4W,5.8		

ISC Event type fe.

AUST Error ellipse: s-maj=0.6km s-min=0.5km az=37.0.

MOS Error ellipse: s-maj=9.3km s-min=5.0km az=112.8.

ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.1km az=138.0.

NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.4km az=64.0. Felt [III] at Nabire. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}1.64 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$-0.90 $M_{r\theta}$-0.03 $M_{\theta\phi}$1.00 $M_{\phi r}$0.02 Best double couple: NP1:ϕ_s317.00000°,δ46.00000°,λ89.00000°. NP2:ϕ_s138.00000°,δ44.00000°,λ91.00000°. Principal axes: T 1.6400,Plg89.0000°,Azm188.0000°; N 0.1800,Plg0.0000°,Azm317.0000°; P -1.8200,Plg0.0000°,Azm47.0000° $M_0$1.70000×10^{17}

IDC Error ellipse: s-maj=12.8km s-min=7.8km az=74.0.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 91, comp=155, per= 50. Moment Tensor Solution. s91,c168; s16,c17; Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.02 $M_{\theta\theta}$-1.55±.02; $M_{\phi\phi}$0.33±.02; $M_{r\theta}$0.31±.02; $M_{\theta\phi}$0.25±.02; $M_{\phi r}$-0.37±.02; Best double couple: NP1:ϕ_s260.00000°,δ41.00000°,λ63.00000°. NP2:ϕ_s114.00000°,δ55.00000°,λ112.00000°. Principal axes: T 1.3700,Plg71.0000°,Azm77.0000°; N 0.2600,Plg18.0000°,Azm281.0000°; P -1.6300,Plg7.0000°,Azm189.0000° $M_0$1.50000×10^{17}

(97) Near coast of Venezuela

ISC	**V**	**04 09 10 20.4–.53**	**10.19N–.02**	**67.03W–.02**	**8–2**	**5.3b,5.0s**	**852**	**0-172**
IDC	V	04 09 10 18.7–.36	10.17N	66.89W	0	7.3L,5.1		**¶12750567**
LDG	V	04 09 10 18.4–.21	10.21N	66.91W	10	5.3b,4.8s		
ISCJB	V	04 09 10 19.4–.39	10.22N–.02	67.00W–.01	10–2	5.2b,5.0s		
NEIC	V	04 09 10 20.9	10.20N	67.01W	6	5.5W,5.4b		
FUNV	V	04 09 10 20.3	10.21N	67.03W	2	5.6W,5.4b		
INMG	V	04 09 10 21.5	10.23N	66.89W	10	5.5W,5.4b		
MOS	V	04 09 10 22.8–1.1	10.23N	66.96W	33	5.5b,4.9s		
GCMT	V	04 09 10 23.4–.10	10.26N	67.15W	12	5.4W,4.9s		
SZGRF	V	04 09 10 25.2	9.48N	65.97W	33	5.1b,4.9s		

ISC Event type fe.

IDC Error ellipse: s-maj=13.6km s-min=9.2km az=99.0.

LDG Event type ke. Error ellipse: s-maj=18.7km s-min=7.9km az=122.0.

ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.0km az=179.7.

NEIC Event type fe. Felt [VI] at Las Tejerias; [V] at Cagua, Cua, El Limon, Guatire, La Victoria, Ocumare del Tuy and San Antonio de Los Altos; [IV] at Baruta, Calabozo, Caralableda, Caracas, Carrizal, Chacao, Charallave, El Cafetal, El Hatillo, Guarenas, La Dolorita, Los Dos Caminos, Los Teques, Maiquetia, Maracay, Palo Negro, Petare, San Juan de los Morros, Turmero and Villa de Cura; [III] at Mariara, Puerto Cabello and Valencia. Also felt at Acarigua, Barcelona, Barquisimeto, Cabudare, Caucaguita, Ciudad Bolivar, Cuidad Guayana, Guacara, Guanare, La Guaira, Nirgua, Puerto Ayacucho, San Carlos, San Felipe, San Joaquin and Santa Teresa. After CAR. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}0.07 $M_{\theta\theta}$1.32 $M_{\phi\phi}$-1.39 $M_{r\theta}$0.21 $M_{\theta\phi}$-1.90 $M_{\phi r}$-0.59 Best double couple: NP1:ϕ_s72.00000°,δ75.00000°,λ179.00000°. NP2:ϕ_s162.00000°,δ89.00000°,λ15.00000°. Principal axes: T 2.3900,Plg11.0000°,Azm28.0000°; N 0.0500,Plg74.0000°,Azm166.0000°; P -2.4400,Plg9.0000°,Azm296.0000° $M_0$2.40000×10^{17}

MOS Error ellipse: s-maj=5.9km s-min=4.5km az=67.8.

GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 95, comp=195, per= 50. Moment Tensor Solution. s73,c128; s25,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}0.17±.02 $M_{\theta\theta}$1.25±.02; $M_{\phi\phi}$-1.42±.02; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$-0.86±.02; $M_{\phi r}$-0.22±.05; Best double couple: NP1:ϕ_s62.00000°,δ85.00000°,λ-176.00000°. NP2:ϕ_s331.00000°,δ86.00000°,λ-5.00000°. Principal axes: T 1.5000,Plg1.0000°,Azm16.0000°; N 0.2000,Plg83.0000°,Azm111.0000°; P -1.7000,Plg7.0000°,Azm286.0000° $M_0$1.60000×10^{17}

SZGRF Venezuela.

(436) Southern Kerguelen Plateau

ISC	**V**	**04 13 20 05.5–.32**	**65.28S–.07**	**80.97E–.08**	**10**	**4.9b,4.0s**	**149**	**8-173**
IDC	V	04 13 20 04.0–.46	65.19S	81.07E	0	4.7,4.6b		**¶12750570**
MOS	V	04 13 20 04.5–1.2	65.15S	81.04E	10	5.2b,4.6b		
BJI	V	04 13 20 04.4	65.20S	81.00E	11	5.5b,5.4b		
ISCJB	V	04 13 20 04.1–.37	65.16S–.07	81.2E–.20	10	4.7b,4.1s		
NEIC	V	04 13 20 05.6–3.4	65.19S	81.08E	10–20	4.9b,4.1s		
DJA	V	04 13 20 05.7–.40	65S–8.0	81E–6.0	10	5.0,5.0b		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

(410) Southern Mid-Atlantic Ridge

ISC	**V**	**05 02 39 60.0–.33**	**43.51S–.09**	**16.06W–.07**	**10**	**5.3b,4.3s**	**220**	**29-159**
IDC	V	05 02 39 58.4–.47	43.55S	16.03W	0	4.5,4.4		**¶12750587**
ISCJB	V	05 02 39 58.9–.34	43.55S–.07	16.13W–.09	10	5.0b,4.2s		
MOS	V	05 02 39 59.4–.85	43.48S	16.07W	10	5.8b,4.2s		
BJI	V	05 02 40 00.3	43.40S	16.10W	10	5.4b,5.3s		
NEIC	V	05 02 40 00.4–.19	43.52S	16.12W	10	5.2b,5.3s		
GCMT	V	05 02 40 00.5–.30	44.12S	15.92W	13–1	5.0W,5.3s		

ISC Event type se.

IDC Error ellipse: s-maj=16.7km s-min=14.1km az=7.0.

ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=8.7km az=152.7.

MOS Error ellipse: s-maj=17.7km s-min=9.5km az=82.0.

NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.1km az=146.0.

GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s25,c29; s68,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.56±.18 $M_{\theta\theta}$-0.40±.13; $M_{\phi\phi}$2.96±.13; $M_{r\theta}$-3.08±.50; $M_{\theta\phi}$-0.25±.09; $M_{\phi r}$-0.39±.25; Best double couple: NP1:ϕ_s148.00000°,δ52.00000°,λ-137.00000°. NP2:ϕ_s28.00000°,δ58.00000°,λ-47.00000°. Principal axes: T 2.9900,Plg4.0000°,Azm89.0000°; N 1.7900,Plg35.0000°,Azm182.0000°; P -4.7700,Plg55.0000°,Azm354.0000° $M_0$3.90000×10^{16}

(193) Bougainville - Solomon Islands region

ISC	**V**	**06 13 33 12.0–.29**	**6.56S–.04**	**154.98E–.04**	**49–2**	**5.2b,4.3s**	**607**	**6-160**
MOS	V	06 13 33 09.5–.89	6.40S	154.88E	33	5.4b,4.3s		**¶13439359**
IDC	V	06 13 33 10.4–1.9	6.50S	154.99E	36–14	5.0,5.0		
ISCJB	V	06 13 33 10.5–.86	6.52S–.04	154.93E–.02	47–7	5.3b,4.4s		
BJI	V	06 13 33 11.1	6.18S	155.20E	51	5.1b,5.1b		
NEIC	V	06 13 33 11.6–.13	6.53S	154.95E	46	5.2b,5.1b		
GCMT	V	06 13 33 13.7–.20	6.83S	154.94E	39–0	5.2W,5.1b		
DJA	V	06 13 33 14.5–.70	6S–4.0	155E–4.0	58–7	6.7,5.8b		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s73,c104; s70,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}7.06±.20 $M_{\theta\theta}$-4.21±.15; $M_{\phi\phi}$-2.86±.15; $M_{r\theta}$1.22±.16; $M_{\theta\phi}$4.39±.12; $M_{\phi r}$-1.75±.14; Best double couple: NP1:ϕ_s306.00000°,δ38.00000°,λ82.00000°. NP2:ϕ_s135.00000°,δ53.00000°,λ96.00000°. Principal axes: T 7.3800,Plg81.0000°,Azm72.0000°; N 0.8600,Plg5.0000°,Azm312.0000°; P -8.2600,Plg8.0000°,Azm221.0000° $M_0$7.80000×10^{16}

(353) Southern Iran

ISC	**V**	**07 22 44 02.6–.28**	**25.41N–.03**	**57.06E–.02**	**29–1**	**5.3b,4.4s**	**1513**	**1-132**
BJI	V	07 22 43 57.7	25.52N	56.64E	20	5.1b,5.0b		**¶13439399**
IDC	V	07 22 43 58.3–.44	25.30N	57.11E	0	5.1,5.1		
OMAN	V	07 22 44 00.4–46	25.39N	57.08E	6–5	5.1,5.1		
ISCJB	V	07 22 44 00.5–.51	25.41N–.02	57.07E–.02	24–3	5.2b,4.4s		
DJA	V	07 22 44 00.4–.30	25N–6.0	57E–4.0	10	5.5b,5.0b		
GCMT	V	07 22 44 01.5–.30	25.16N	57.03E	25–1	5.0W,5.0b		
MOS	V	07 22 44 02.1–.75	25.45N	57.02E	33	5.5b,4.1s		
CSEM	V	07 22 44 04.3–.08	25.42N	57.09E	40	5.3b,5.0W		
THR	V	07 22 44 04.0–.77	25.73N	56.98E	14–8	4.9L,5.0W		
BGS	V	07 22 44 04.7–1.9	25.61N	57.22E	40	5.4b,5.0W		
NEIC	V	07 22 44 04.4–.48	25.45N	57.03E	39–4	5.4b,5.0W		
TEH	V	07 22 44 06.8	25.69N	57.05E	21	4.8L,5.0W		
SZGRF	V	07 22 44 13.9	25.06N	54.64E	33	5.3b,5.0W		
NSSC	V	07 22 44 15.6–2.8	26.28N	55.89E	5–999	5.3b,5.0W		

ISC Event type fe.

IDC Error ellipse: s-maj=11.5km s-min=8.2km az=29.0.

OMAN Error ellipse: s-maj=8.0km s-min=4.4km az=253.0.

ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=10.9.

GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s30,c37; s69,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}2.80±.22 $M_{\theta\theta}$-2.25±.17; $M_{\phi\phi}$-0.55±.15; $M_{r\theta}$2.41±.38; $M_{\theta\phi}$-3.14±.12; $M_{\phi r}$1.66±.38; Best double couple: NP1:ϕ_s227.00000°,δ26.00000°,λ82.00000°. NP2:ϕ_s56.00000°,δ64.00000°,λ94.00000°. Principal axes: T 3.8200,Plg71.0000°,Azm335.0000°; N 1.8500,Plg4.0000°,Azm234.0000°; P -5.6600,Plg19.0000°,Azm143.0000° $M_0$4.70000×10^{16}

MOS Error ellipse: s-maj=5.4km s-min=3.0km az=120.9.

CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=6.0.

THR Error ellipse: s-maj=8.9km s-min=6.2km az=-1.0.

BGS Error ellipse: s-maj=999.9km s-min=830.0km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=182.0. Felt [IV] at Al Fujayrah and [II] at Dubai and Khawr Fakkan, United Arab Emirates. Also felt at Abu Dhabi. Felt at Khasab, Oman.

SZGRF Persian Gulf.

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

(706) Northern Sumatera

ISC	**V**	**08 13 19 02.1–.24**	**3.33N–.03**	**97.53E–.03**	**28–1**	**5.2b,4.8s**	**821**	**1-175**
BJI	V	08 13 18 57.7	3.06N	97.39E	29	5.3s,4.9b		**¶15154210**
ISCJB	V	08 13 19 01.9–.43	3.35N–.02	97.54E–.02	40–4	5.1b,4.8s		
MOS	V	08 13 19 01.1–1.1	3.48N	97.77E	33	5.5b,4.7s		
IDC	V	08 13 19 01.4–1.2	3.48N	97.69E	22–7	4.7,4.7		
NEIC	V	08 13 19 01.2–.17	3.36N	97.65E	24	5.3b,4.8s		
TEH	V	08 13 19 03.0	3.40N	97.71E	35	5.3L,4.8s		
DJA	V	08 13 19 04.5–.60	3N–2.0	97E–3.0	26–5	6.1,5.9		
GCMT	V	08 13 19 04.0–.20	3.18N	97.53E	20–1	5.2W,5.9		
AUST	V	08 13 19 06.2–.01	3.23N	97.67E	62–0	5.2W,5.9		
SZGRF	V	08 13 19 11.3	3.76N	96.20E	46	5.1b,5.9		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.0km az=39.4.

MOS Error ellipse: s-maj=9.5km s-min=4.3km az=120.2.

IDC Error ellipse: s-maj=10.9km s-min=8.3km az=49.0.

NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.7km az=43.0. Felt [III] at Kutacane, Medan, Meulaboh and Tuntungan. Also felt at Sibolga. Felt [II] at Kampung Gelugor, Malaysia. Also felt at Ayer Itam, Butterworth, Kampung Tanjung Bongor, Kuah, Lumut, Sungai Ara and Tanjong Tokong.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c70; s80,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.89±.20 $M_{\theta\theta}$-6.37±.18; $M_{\phi\phi}$7.25±.21; $M_{r\theta}$-2.25±.36; $M_{\theta\phi}$-3.32±.16; $M_{\phi r}$-3.28±.43; Best double couple: NP1:ϕ_s123.00000°,δ62.00000°,λ-175.00000°. NP2:ϕ_s31.00000°,δ86.00000°,λ-28.00000°. Principal axes: T 8.8100,Plg16.0000°,Azm80.0000°; N -0.4600,Plg62.0000°,Azm203.0000°; P -8.3600,Plg23.0000°,Azm343.0000° $M_0$8.60000×10^{16}

AUST Error ellipse: s-maj=1.1km s-min=0.6km az=43.0.

SZGRF Northern Sumatera, Indonesia.

(263) Talaud Islands

ISC	**V**	**08 21 07 16.9–.60**	**3.58N–.07**	**126.83E–.09**	**48**	**3.8b**	**45**	**2-85**
IDC	V	08 21 07 09.6–.74	3.57N	126.92E	0	3.9,3.8		**¶15154219**
DJA	V	08 21 07 10.5–.80	4N–6.0	127E–4.0	52–9	6.3b,6.0		
NEIC	V	08 21 07 15.1–.56	3.53N	126.90E	35	4.5b,6.0		
ISCJB	V	08 21 07 15.1–.40	3.61N–.04	126.82E–.06	48	4.1b,6.0		
AUST	V	08 21 07 21.6–.69	3.40N	127.01E	102–0	4.1b,6.0		

ISC Event type se.

IDC Error ellipse: s-maj=44.2km s-min=13.8km az=71.0.

NEIC Event type se. Error ellipse: s-maj=35.1km s-min=10.0km az=72.0.

ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.5km az=164.6.

AUST Error ellipse: s-maj=1.5km s-min=1.2km az=293.0.

(217) Kamchatka Peninsula

ISC	**V**	**08 21 22 31.0–.29**	**58.05N–.03**	**164.36E–.03**	**18–1**	**5.6b,4.8s**	**1421**	**2-165**
BJI	V	08 21 22 28.0	58.17N	164.36E	17	5.6b,5.4s		**¶15852942**
ISCJB	V	08 21 22 29.8–.59	58.06N–.02	164.32E–.02	20–4	5.5b,4.8s		
NEIC	V	08 21 22 29.9–1.4	58.13N	164.26E	9–9	5.6b,5.4W		
KRSC	V	08 21 22 30.4–.90	58.00N	164.52E	23–18	5.5L,5.4W		
IDC	V	08 21 22 30.3–3.0	58.08N	164.32E	12–19	5.1,5.1		
MOS	V	08 21 22 30.3–.82	58.04N	164.30E	25	5.8b,4.8s		
TEH	V	08 21 22 32.5	58.25N	164.13E	33	5.4L,4.8s		
GCMT	V	08 21 22 34.1–.10	58.10N	164.59E	12	5.4W,4.8s		
SZGRF	V	08 21 22 37.3	58.62N	163.89E	28	5.8b,4.9s		
DJA	V	08 21 22 41.8–4.6	58N–9.0	164E–17	105–38	5.8b,5.4b		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se. Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-0.66 $M_{r\theta}$-0.64 $M_{\theta\phi}$-0.37 $M_{\phi r}$0.04 Best double couple: NP1:ϕ_s244.00000°,δ57.00000°,λ104.00000°. NP2:ϕ_s39.00000°,δ36.00000°,λ69.00000°. Principal axes: T 1.5900,Plg73.0000°,Azm192.0000°; N -0.4200,Plg11.0000°,Azm56.0000°; P -1.1600,Plg10.0000°,Azm323.0000° $M_0$1.40000×10^{17}

KRSC Event type se.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=222, per= 50. Moment Tensor Solution. s82,c153; s32,c32; Moment tensor: Scale 10^{17}Nm; M_{rr}1.40±.02 $M_{\theta\theta}$-0.50±.02; $M_{\phi\phi}$-0.90±.01; $M_{r\theta}$0.21±.04; $M_{\theta\phi}$-0.63±.01; $M_{\phi r}$0.01±.04; Best double couple: NP1:ϕ_s210.00000°,δ43.00000°,λ80.00000°. NP2:ϕ_s43.00000°,δ48.00000°,λ99.00000°. Principal axes: T 1.4300,Plg83.0000°,Azm14.0000°; N -0.0500,Plg6.0000°,Azm217.0000°; P -1.3700,Plg3.0000°,Azm126.0000° $M_0$1.40000×10^{17}

SZGRF Kamchatka Peninsula, Russia.

(196) Irian Jaya region

ISC	**V**	**09 00 29 50.8–.64**	**0.43S–.04**	**132.46E–.04**	**47–6**	**4.4b,4.2s**	**97**	**1-152**
IDC	V	09 00 29 44.2–.69	0.27S	132.57E	0	4.6L,4.5		**¶15154224**
DJA	V	09 00 29 47.2–.30	0S–3.0	133E–3.0	10	5.5b,5.0		
ISCJB	V	09 00 29 48.4–.71	0.39S–.04	132.52E–.04	38–7	4.4b,4.2s		
GCMT	V	09 00 29 48.9–.20	0.33S	132.43E	17–1	5.1W,4.2s		
NEIC	V	09 00 29 49.6–.33	0.34S	132.48E	35	4.5b,4.2s		

BJI V 09 00 29 49.5 0.40S 132.40E 33 4.9b,4.6b
AUST V 09 00 29 51.4 0.49S 132.50E 60 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=11.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=40.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s42,c55; s71,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}3.72±.23 $M_{\theta\theta}$-3.82±.15; $M_{\phi\phi}$0.10±.17; $M_{r\theta}$-2.51±.38; $M_{\theta\phi}$2.32±.10; $M_{\phi r}$1.91±.52; Best double couple: NP1:ϕ_s102.00000°,δ28.00000°,λ71.00000°. NP2:ϕ_s304.00000°,δ63.00000°,λ100.00000°. Principal axes: T 4.8200,Plg70.0000° ,Azm235.0000°; N 1.0700,Plg9.0000°,Azm120.0000°; P -5.8900,Plg18.0000°,Azm27.0000° M_o5.40000×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.8km az=58.0.

(229) Off east coast of Honshu

ISC	**V**	**09 19 34 33.6–.30**	**36.57N–.03**	**142.63E–.03**	**27–1**	**5.4b,4.8s**	**1015**	**2-154**
NIED	V	09 19 34 00	36.70N	142.60E	5	5.1W,4.8s		**¶13439448**
ISCJB	V	09 19 34 29.8–.71	36.60N–.02	142.64E–.02	11–4	5.3b,4.8s		
IDC	V	09 19 34 29.2–.34	36.53N	142.72E	0	4.9,4.9		
JMA	V	09 19 34 30.2–.20	36.62N	142.67E	21	5.5,4.9		
BJI	V	09 19 34 31.7	36.77N	142.38E	12	5.4b,5.3s		
MOS	V	09 19 34 32.9–.93	36.54N	142.66E	33	5.6b,4.7s		
NEIC	V	09 19 34 33.2–.67	36.54N	142.64E	27–4	5.5b,5.1W		
TEH	V	09 19 34 34.0	36.56N	142.57E	27	5.2L,5.1W		
GCMT	V	09 19 34 35.5–.20	36.57N	142.61E	12	5.1W,5.1W		
SZGRF	V	09 19 34 38.2	37.33N	143.17E	33	5.7b,5.1s		
DJA	V	09 19 34 46.5–2.9	37N–7.0	142E–11	132–28	5.6b,5.2b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ59.00000°,λ142.00000°. NP2:ϕ_s313.00000°,δ58.00000°,λ37.00000°. M_o5.21000×10^{16}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Fukushima and [1 JMA] in Miyagi and Yamagata. Moment Tensor Solution. M_o5.20000×10^{16}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s43,c55; s91,c165; Moment tensor: Scale 10^{16}Nm; M_{rr}2.28±.10 $M_{\theta\theta}$3.58±.09; $M_{\phi\phi}$-5.86±.08; $M_{r\theta}$-2.84±.25; $M_{\theta\phi}$0.81±.08; $M_{\phi r}$-0.33±.26; Best double couple: NP1:ϕ_s317.00000°,δ64.00000°,λ29.00000°. NP2:ϕ_s213.00000°,δ65.00000°,λ150.00000°. Principal axes: T 5.9000,Plg38.0000° ,Azm175.0000°; N 0.0300,Plg52.0000°,Azm356.0000°; P -5.9300,Plg1.0000°,Azm265.0000° M_o5.90000×10^{16}
SZGRF Off east coast of Honshu, Japan.

(104) Off coast of Ecuador

ISC	**V**	**10 01 16 06.4–.24**	**1.35N–.04**	**85.28W–.05**	**6**	**5.7s,5.5b**	**718**	**5-160**
IDC	V	10 01 16 05.6–.40	1.42N	85.24W	0	5.7,5.7s		**¶13439457**
ISCJB	V	10 01 16 05.4–.18	1.38N–.03	85.26W–.03	6	5.7s,5.4b		
SZGRF	V	10 01 16 05.0	0.90N	85.56W	33	5.9s,5.1b		
NEIC	V	10 01 16 07.0–.16	1.39N	85.17W	6	6.1W,6.0W		
MOS	V	10 01 16 10.4–1.2	1.57N	85.09W	33	5.7s,5.7b		
BJI	V	10 01 16 10.3	1.40N	85.20W	26	6.0s,5.9		
GCMT	V	10 01 16 11.6–.10	1.22N	85.33W	14	6.1W,5.9		

ISC Event type fe.
IDC Error ellipse: s-maj=20.4km s-min=8.9km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=138.7.
SZGRF Off coast of Ecuador.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=224.0. Felt at Puerto Baquerizo Moreno, Galapagos Islands. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s187.00000°,δ83.00000°,λ-170.00000°. NP2: ϕ_s96.00000°,δ80.00000°,λ-7.00000°. Principal axes: T Plg2.0000°,Azm321.0000° ; N Plg0.0000°,Azm0.0000°; P Plg12.0000°,Azm52.0000° Moment Tensor Solution. s70 Moment tensor: Scale 10^{18}Nm; M_{rr}0.15 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.08 $M_{\theta\phi}$1.17 $M_{\phi r}$0.12 Best double couple: NP1:ϕ_s93.00000°,δ83.00000°,λ5.00000°. NP2:ϕ_s2.00000°,δ85.00000° ,λ173.00000°. Principal axes: T 1.1200,Plg8.0000°,Azm317.0000°; N 0.1300,Plg81.0000° ,Azm146.0000°; P -1.2500,Plg1.0000°,Azm47.0000° M_o1.20000×10^{18}
MOS Error ellipse: s-maj=7.7km s-min=4.7km az=99.8.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=107, comp=247, per= 50. Moment Tensor Solution. s106,c235; s88,c149; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.09±.01 $M_{\theta\theta}$0.46±.01; $M_{\phi\phi}$-0.37±.01; $M_{r\theta}$-0.17±.02; $M_{\theta\phi}$1.74±.01; $M_{\phi r}$0.18±.02; Best double couple: NP1:ϕ_s187.00000°,δ84.00000°,λ-175.00000°. NP2:ϕ_s96.00000°,δ85.00000°,λ-6.00000°. Principal axes: T 1.8300,Plg1.0000°,Azm142.0000°; N -0.0500,Plg82.0000°,Azm236.0000° ; P -1.7800,Plg8.0000°,Azm52.0000° M_o1.80000×10^{18}

(273) Southwest of Sumatera

ISC	**V**	**10 08 58 24.0–.31**	**5.53S–.03**	**101.13E–.04**	**27–1**	**4.9s,4.9b**	**459**	**1-175**
ISCJB	V	10 08 58 19.5–.79	5.51S–.03	101.11E–.03	8–4	4.9s,4.9b		**¶15154243**
MOS	V	10 08 58 23.5–1.5	5.37S	101.26E	33	5.2b,4.8s		
AUST	V	10 08 58 24.2	5.32S	101.43E	0	5.2b,4.8s		
GCMT	V	10 08 58 24.1–.20	5.46S	101.02E	12	5.2W,4.8s		
NEIC	V	10 08 58 24.3–.20	5.44S	101.14E	31	5.1b,4.8s		
IDC	V	10 08 58 24.3–.46	5.30S	101.21E	30–2	4.7,4.7s		
BJI	V	10 08 58 24.2	5.50S	101.10E	25	5.5s,5.3b		
DJA	V	10 08 58 25.5–.40	5S–3.0	101E–3.0	43–5	5.6b,5.5		
TEH	V	10 08 58 25.0	5.53S	101.09E	35	5.1L,5.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.9km az=34.2.
MOS Error ellipse: s-maj=10.8km s-min=5.9km az=105.2.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s34,c51; s78,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}3.75±.15 $M_{\theta\theta}$-4.37±.13; $M_{\phi\phi}$0.62±.17; $M_{r\theta}$4.07±.37; $M_{\theta\phi}$5.00±.12; $M_{\phi r}$1.84±.43; Best double couple: NP1:ϕ_s337.00000°,δ48.00000°,λ152.00000°. NP2:ϕ_s87.00000°,δ70.00000°,λ46.00000°. Principal axes: T 7.6500,Plg46.0000° ,Azm312.0000°; N 0.4000,Plg41.0000°,Azm106.0000°; P -8.0500,Plg13.0000° ,Azm208.0000° M_o7.90000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=57.0. Felt at Bengkulu.
IDC Error ellipse: s-maj=14.2km s-min=8.9km az=49.0.

(714) Southeastern Uzbekistan

ISC	**V**	**10 17 34 07.6–.24**	**38.23N–.03**	**67.68E–.02**	**21–3**	**5.3b,4.5s**	**1121**	**4-148**
BGS	V	10 17 33 35.4–1.4	35.37N	71.68E	20	5.3b,4.5s		**¶13439482**
NNC	V	10 17 34 06.4–3.4	38.29N	67.35E	18–16	5.5b,5.3		
ISCJB	V	10 17 34 06.1–.10	38.19N–.02	67.70E–.01	22	5.2b,4.5s		
IDC	V	10 17 34 06.9–.51	38.09N	67.72E	18–3	5.1L,4.9		
NEIC	V	10 17 34 07.6–.14	38.23N	67.69E	19	5.4b,4.9		
SZGRF	V	10 17 34 07.2	38.00N	67.82E	26	5.2b,4.5s		
TEH	V	10 17 34 08.0	38.23N	67.63E	22	5.3L,4.5s		
MOS	V	10 17 34 08.3–.84	38.26N	67.72E	37	5.5b,4.6s		
DJA	V	10 17 34 09.8–1.6	38N–13	67E–5.0	41–19	6.4,5.9		
BJI	V	10 17 34 10.3	38.32N	68.14E	21	5.0b,4.9b		
GCMT	V	10 17 34 11.0–.20	38.43N	67.72E	24–0	5.0W,4.9b		

ISC Event type fe.
BGS Error ellipse: s-maj=302.7km s-min=371.1km az=-1.0.
NNC Error ellipse: s-maj=25.1km s-min=17.6km az=3.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=179.0.
IDC Error ellipse: s-maj=9.2km s-min=7.0km az=169.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.5km az=182.0. Felt [III] at Dushanbe, Tajikistan. Also felt at Mazar-e Sharif, Afghanistan.
SZGRF Southeastern Uzbekistan.
MOS Error ellipse: s-maj=4.3km s-min=3.2km az=129.4.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s43,c51; s69,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}3.56±.14 $M_{\theta\theta}$-0.66±.10; $M_{\phi\phi}$-2.90±.09; $M_{r\theta}$0.39±.16; $M_{\theta\phi}$-0.79±.07; $M_{\phi r}$1.42±.12; Best double couple: NP1:ϕ_s198.00000°,δ33.00000°,λ91.00000°. NP2:ϕ_s17.00000°,δ57.00000°,λ89.00000°. Principal axes: T 3.8700,Plg78.0000° ,Azm284.0000°; N -0.4100,Plg1.0000°,Azm17.0000°; P -3.4600,Plg12.0000°,Azm107.0000° M_o3.70000×10^{16}

(410) Southern Mid-Atlantic Ridge

ISC	**V**	**11 14 32 30.4–.35**	**30.04S–.09**	**13.99W–.07**	**10**	**5.0b,4.7s**	**218**	**30-150**
IDC	V	11 14 32 28.7–.47	30.01S	13.91W	0	4.5s,4.5		**¶12794018**
BJI	V	11 14 32 28.7	29.42S	14.74W	10	5.5b,5.2s		
ISCJB	V	11 14 32 29.0–.30	29.99S–.06	13.89W–.07	10	4.8b,4.7s		
NEIC	V	11 14 32 30.4–.21	30.05S	13.90W	10	5.2b,4.7s		
GCMT	V	11 14 32 34.6–.20	30.01S	13.75W	12	5.2W,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=12.5km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.8km az=35.8.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.1km az=148.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c60; s86,c142; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.51±.16 $M_{\theta\theta}$-0.60±.16; $M_{\phi\phi}$7.11±.13; $M_{r\theta}$-0.69±.55; $M_{\theta\phi}$-2.02±.13; $M_{\phi r}$0.72±.41; Best double couple: NP1:ϕ_s351.00000°,δ42.00000°,λ-82.00000°. NP2:ϕ_s161.00000°,δ49.00000°,λ-97.00000°. Principal axes: T 7.6600,Plg4.0000° ,Azm256.0000°; N -1.0500,Plg5.0000°,Azm166.0000°; P -6.6100,Plg84.0000°,Azm20.0000° M_o7.10000×10^{16}

(216) Mariana Islands

ISC	**V**	**12 03 30 32.0–.30**	**13.13N–.04**	**145.43E–.04**	**39–2**	**5.3b,5.0s**	**630**	**1-167**
ISCJB	V	12 03 30 27.9–.95	13.19N–.03	145.41E–.02	16–6	5.3b,5.0s		**¶13439523**
MOS	V	12 03 30 30.0–1.1	13.13N	145.34E	33	5.5b,5.1s		
BJI	V	12 03 30 30.0	13.23N	145.50E	33	5.3b,5.1s		
DJA	V	12 03 30 30.1–1.1	13N–5.0	146E–5.0	33–9	6.1b,5.8		
NEIC	V	12 03 30 31.8–.15	13.08N	145.41E	35	5.3b,5.8		
TEH	V	12 03 30 32.0	13.07N	145.38E	35	5.3L,5.8		
GCMT	V	12 03 30 33.3–.20	13.01N	145.66E	15–0	5.5W,5.8		
IDC	V	12 03 30 33.0–1.1	13.14N	145.50E	47–8	5.0s,5.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=152.9.
MOS Error ellipse: s-maj=8.7km s-min=5.0km az=108.7.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=4.3km az=154.0. Felt at Barrigada, Dededo, Hagatna, Santa Rita and Tamuning.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c79; s88,c169; Moment tensor: Scale 10^{17}Nm; M_{rr}1.12±.05 $M_{\theta\theta}$-0.03±.03; $M_{\phi\phi}$-1.09±.04; $M_{r\theta}$0.34±.10; $M_{\theta\phi}$-0.66±.02; $M_{\phi r}$1.37±.13; Best double couple: NP1:ϕ_s219.00000°,δ22.00000°,λ111.00000°. NP2:ϕ_s16.00000°,δ69.00000°,λ82.00000°. Principal axes: T 1.7800,Plg65.0000° ,Azm272.0000°; N 0.2400,Plg8.0000°,Azm19.0000°; P -2.0200,Plg24.0000°,Azm113.0000° M_o1.90000×10^{17}
IDC Error ellipse: s-maj=14.7km s-min=9.2km az=78.0.

(429) Mid-Indian Ridge

ISC	**V**	**12 12 38 31.6–.28**	**12.43S–.04**	**65.12E–.04**	**14–1**	**5.5b,5.2s**	**1187**	**9-160**
BJI	V	12 12 38 26.8	12.59S	64.74E	13	5.9b,5.6s		**¶12818792**
IDC	V	12 12 38 28.4–.36	12.44S	65.12E	0	5.3,5.3		
ISCJB	V	12 12 38 29.2–.92	12.45S–.03	65.08E–.02	9–5	5.5b,5.2s		
MOS	V	12 12 38 29.4–1.1	12.34S	65.20E	10	5.7b,5.1s		
NEIC	V	12 12 38 30.9–.15	12.43S	65.14E	10	5.8W,5.8W		
DJA	V	12 12 38 31.8–.20	13S–4.0	65E–2.0	10	6.4,6.2b		
SZGRF	V	12 12 38 32.7	12.09S	65.64E	33	5.6b,4.7s		
GCMT	V	12 12 38 33.6–.10	12.46S	65.24E	12	5.7W,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=10.0km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.1km az=8.1.
MOS Error ellipse: s-maj=7.3km s-min=4.3km az=110.8.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.8km az=6.0. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.02 $M_{\theta\theta}$4.35 $M_{\phi\phi}$0.67 $M_{r\theta}$5.44 $M_{\theta\phi}$-1.65 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s120.00000°,δ22.00000°,λ-73.00000°. NP2:ϕ_s281.00000° ,δ69.00000°,λ-97.00000°. Principal axes: T 7.3300,Plg23.0000°,Azm16.0000° ; N 0.1800,Plg6.0000°,Azm283.0000°; P -7.5100,Plg65.0000°,Azm179.0000° M_o7.40000×10^{17}
SZGRF Mid-Indian Ridge.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=108, comp=248, per= 50. Moment Tensor Solution. s89,c166; s65,c76; Moment tensor: Scale 10^{17}Nm; M_{rr}-4.67±.04 $M_{\theta\theta}$4.45±.04; $M_{\phi\phi}$0.22±.04; $M_{r\theta}$0.63±.11; $M_{\theta\phi}$-2.46±.03; $M_{\phi r}$-0.14±.12; Best double couple: NP1:ϕ_s117.00000°,δ42.00000°,λ-87.00000°. NP2:ϕ_s293.00000°,δ49.00000°,λ-93.00000°. Principal axes: T 5.6200,Plg3.0000°,Azm25.0000°; N -0.9100,Plg2.0000°,Azm294.0000° ; P -4.7100,Plg86.0000°,Azm174.0000° M_o5.20000×10^{17}

(269) Southern Molucca Sea

ISC	**V**	**14 09 24 54.0–.35**	**0.27S–.03**	**125.05E–.03**	**47–2**	**5.2b,4.1s**	**464**	**1-168**
BJI	V	14 09 24 46.5	0.89S	125.20E	41	5.3b,5.0b		**¶15154317**
MOS	V	14 09 24 50.5–1.2	0.23S	124.92E	33	5.5b,4.2s		
NEIC	V	14 09 24 51.2–1.9	0.25S	124.96E	26–13	5.2b,4.2s		
IDC	V	14 09 24 52.2–2.0	0.26S	125.00E	33–14	4.9,4.9b		
ISCJB	V	14 09 24 53.8–.37	0.26S–.02	125.07E–.02	61–3	5.2b,4.9b		
DJA	V	14 09 24 56.6–.20	0S–2.0	125E–1.0	63–3	6.1,5.6b		
GCMT	V	14 09 24 56.4–.20	0.44S	124.99E	35–0	5.1W,5.6b		
AUST	V	14 09 24 56.5–.24	0.34S	125.08E	71–0	5.1W,5.6b		

ISC Event type se.
MOS Error ellipse: s-maj=11.7km s-min=5.6km az=117.1.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.4km az=70.0.
IDC Error ellipse: s-maj=14.5km s-min=8.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.4km az=42.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s52,c69; s59,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}4.17±.21 $M_{\theta\theta}$-2.87±.15; $M_{\phi\phi}$-1.30±.18; $M_{r\theta}$0.93±.14; $M_{\theta\phi}$-2.55±.11; $M_{\phi r}$2.19±.19; Best double couple: NP1:ϕ_s249.00000°,δ35.00000°,λ116.00000°. NP2:ϕ_s39.00000°,δ59.00000°,λ73.00000°. Principal axes: T 4.9400,Plg71.0000° ,Azm271.0000°; N 0.2800,Plg14.0000°,Azm48.0000°; P -5.2100,Plg13.0000°,Azm141.0000° M_o5.10000×10^{16}
AUST Error ellipse: s-maj=0.9km s-min=0.6km az=23.0.

(263) Talaud Islands

ISC	**V**	**15 03 33 56.9–.30**	**4.01N–.03**	**126.72E–.05**	**40–2**	**4.8b,3.9s**	**277**	**2-169**
IDC	V	15 03 33 50.5–.48	3.97N	126.67E	0	4.7,4.6		**¶15154329**
MOS	V	15 03 33 54.4–1.1	3.98N	126.57E	33	5.0b,4.6		
BJI	V	15 03 33 55.0	3.97N	126.64E	35	4.9b,4.8b		
NEIC	V	15 03 33 56.4–.20	4.00N	126.66E	35	4.8b,4.8b		
ISCJB	V	15 03 33 57.8–.61	4.01N–.03	126.72E–.04	63–5	4.8b,4.8b		
DJA	V	15 03 33 57.3–.90	4N–8.0	127E–5.0	54–8	5.2b,5.0		
AUST	V	15 03 34 11.1–4.1	3.92N	126.76E	192–0	5.2b,5.0		

ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=11.6km az=80.0.
MOS Error ellipse: s-maj=14.5km s-min=6.5km az=114.6.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.6km az=157.1.
AUST Error ellipse: s-maj=2.2km s-min=1.0km az=256.0.

(286) Flores region

ISC	**V**	**15 13 15 10.2–.83**	**9.64S–.06**	**124.50E–.07**	**25**	**3.7b**	**19**	**2-68**
ISCJB	V	15 13 15 06.7–.52	9.71S–.06	124.50E–.06	25	3.6b		**¶15154330**
IDC	V	15 13 15 12.0–7.2	9.67S	124.88E	75–86	4.1L,3.8		
AUST	V	15 13 15 13.6	10.00S	125.02E	0	4.1L,3.8		
DJA	V	15 13 15 36.3–1.5	9S–8.0	122E–15	45–12	6.1b,5.7		

ISC Event type ke.
ISCJB Event type ke.

(435) Southeast Indian Ridge

ISC	**V**	**15 14 41 34.3–.67**	**45.4S–.10**	**97.3E–.20**	**10**	**4.3b,4.1s**	**34**	**20-155**
ISCJB	V	15 14 41 32.6–.75	45.4S–.10	97.3E–.20	10	4.3b,4.2s		**¶13678999**
IDC	V	15 14 41 32.6–.76	45.32S	97.17E	0	4.3,4.2		
NEIC	V	15 14 41 34.1–.53	45.34S	97.32E	10	4.7b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=13.3km az=20.4.
IDC Error ellipse: s-maj=28.3km s-min=17.8km az=109.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=11.7km az=108.0.

(13) Kodiak Island region

ISC	**V**	**15 18 24 17.9–.39**	**56.53N–.04**	**152.40W–.03**	**28–2**	**5.1b,4.9s**	**880**	**1-152**
IDC	V	15 18 24 13.6–.51	56.50N	152.43W	0	5.0,5.0		**¶13065842**
NEIC	V	15 18 24 13.4	56.26N	151.98W	10	5.1b,4.8L		
ISCJB	V	15 18 24 16.5–.13	56.48N–.02	152.37W–.03	31	5.0b,4.9s		
BJI	V	15 18 24 16.7	56.56N	152.89W	30	5.4s,5.3b		
GCMT	V	15 18 24 18.8–.20	56.23N	151.88W	12	5.2W,5.3b		
MOS	V	15 18 24 19.8–.87	56.97N	152.85W	33	5.5b,4.8s		
SZGRF	V	15 18 24 28.8	58.00N	154.16W	33	5.5b,4.8s		

ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=9.1km az=19.0.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.0km az=27.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c99; s96,c171; Moment tensor: Scale 10^{16}Nm; M_{rr}4.36±.09 $M_{\theta\theta}$-3.11±.08; $M_{\phi\phi}$-1.25±.08; $M_{r\theta}$7.08±.23; $M_{\theta\phi}$-2.31±.07; $M_{\phi r}$3.20±.25; Best double couple: NP1:ϕ_s227.00000°,δ16.00000°,λ73.00000°. NP2:ϕ_s64.00000°,δ75.00000°,λ95.00000°. Principal axes: T 8.8900,Plg60.0000° ,Azm341.0000°; N 0.2000,Plg5.0000°,Azm243.0000°; P -9.0900,Plg30.0000°,Azm151.0000° M_o9.00000×10^{16}
MOS Error ellipse: s-maj=12.5km s-min=3.6km az=87.9.
SZGRF Alaska Peninsula, United States.

(13) Kodiak Island region

ISC	**V**	**15 19 23 15.6–.32**	**56.47N–.04**	**152.25W–.03**	**14–1**	**5.1b,4.9s**	**913**	**1-160**
NEIC	V	15 19 23 13.9	56.29N	151.97W	10	5.1b,4.6L		**¶12826730**

IDC	V	15 19 23 13.6–.48	56.48N	152.37W	0	5.0,5.0	
INMG	V	15 19 23 13.9	56.29N	151.97W	10	5.1b,5.0	
BJI	V	15 19 23 14.4	56.87N	152.95W	6	5.4s,5.3b	
ISCJB	V	15 19 23 15.3–.13	56.58N–.02	152.19W–.03	18	5.0b,4.9s	
GCMT	V	15 19 23 18.9–.20	56.22N	151.87W	12	5.2W,4.9s	
MOS	V	15 19 23 19.1–.74	56.85N	152.64W	33	5.4b,4.9s	
SZGRF	V	15 19 23 24.4	57.22N	153.34W	33	5.3b,4.8s	

ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=14.6km s-min=9.3km az=20.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.0km az=26.1.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c98; s89,c161; Moment tensor: Scale 10^{16}Nm; M_{rr}4.59±.10 $M_{\theta\theta}$-3.17±.09; $M_{\phi\phi}$-1.42±.09; $M_{r\theta}$7.45±.25; $M_{\theta\phi}$-2.40±.08; $M_{\phi r}$3.00±.29; Best double couple: NP1:ϕ_s223.00000°,δ16.00000°,λ68.00000°. NP2:ϕ_s66.00000°,δ75.00000°,λ96.00000°. Principal axes: T 9.2900,Plg60.0000° ,Azm345.0000°; N 0.0700,Plg6.0000°,Azm245.0000°; P -9.3500,Plg30.0000°,Azm151.0000° M_o9.30000×10^{16}
MOS Error ellipse: s-maj=11.9km s-min=3.5km az=88.1.
SZGRF Kodiak Island, Alaska, United States, region.

(178) Kermadec Islands

ISC	**V**	**16 00 53 50.5–.40**	**31.46S–.03**	**178.55W–.03**	**35–2**	**6.3s,6.1b**	**1979**	**2-175**
PDG	V	16 00 53 44.6	31.50S	178.80W	10	6.3s,6.1b		**¶15741854**
BJI	V	16 00 53 45.1	30.98S	178.19W	9	6.7b,6.3s		
SZGRF	V	16 00 53 46.0	32.71S	178.23W	33	6.8b,6.3s		
ISCJB	V	16 00 53 50.3–.10	31.59S–.02	178.74W–.03	43	6.2s,6.0b		
MOS	V	16 00 53 50.1–.95	31.36S	178.63W	33	6.3s,6.3b		
AUST	V	16 00 53 50.6–.81	31.45S	178.28W	31–0	6.3s,6.3b		
NEIC	V	16 00 53 51.2–.08	31.55S	178.83W	43	6.6W,6.5W		
IDC	V	16 00 53 53.3–1.0	31.40S	178.57W	55–8	6.3s,6.3		
DJA	V	16 00 53 55.6–2.2	31S–7.0	178W–11	107–20	6.6b,6.5		
GCMT	V	16 00 53 57.7–.10	31.56S	178.12W	48–0	6.5W,6.5		

ISC Event type fe.
PDG Event type ke.
SZGRF South of Kermadec Islands.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.2km az=34.3.
MOS Error ellipse: s-maj=9.2km s-min=6.9km az=67.7.
AUST Error ellipse: s-maj=0.9km s-min=0.6km az=311.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=134.0. Felt at Gisborne, Rotorua and Wellington, New Zealand. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s35.00000°,δ55.00000°,λ100.00000°. NP2: ϕ_s198.00000°,δ36.00000°,λ76.00000°. Principal axes: T Plg77.0000°,Azm339.0000° ; N Plg0.0000°,Azm0.0000°; P Plg9.0000°,Azm118.0000° Moment Tensor Solution. s98 Moment tensor: Scale 10^{18}Nm; M_{rr}3.38 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$-1.43 $M_{r\theta}$0.68 $M_{\theta\phi}$0.05 $M_{\phi r}$2.58 Best double couple: NP1:ϕ_s19.00000°,δ69.00000°,λ87.00000°. NP2:ϕ_s207.00000° ,δ21.00000°,λ98.00000°. Principal axes: T 4.5600,Plg66.0000°,Azm283.0000° ; N -1.9300,Plg2.0000°,Azm20.0000°; P -2.6300,Plg23.0000°,Azm111.0000° M_o4.00000×10^{18} Moment Tensor Solution. M_o1.10000×10^{19}
IDC Error ellipse: s-maj=11.0km s-min=9.6km az=53.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 107 sta. Surface waves: sta=118, comp=278, per= 50. Moment Tensor Solution. s123,c313; s99,c215; Moment tensor: Scale 10^{18}Nm; M_{rr}6.10±.04 $M_{\theta\theta}$0.20±.03; $M_{\phi\phi}$-6.31±.03; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-1.99±.02; $M_{\phi r}$3.08±.03; Best double couple: NP1:ϕ_s199.00000°,δ32.00000°,λ95.00000°. NP2:ϕ_s13.00000°,δ58.00000°,λ87.00000°. Principal axes: T 6.8200,Plg77.0000° ,Azm272.0000°; N 0.7500,Plg3.0000°,Azm15.0000°; P -7.5800,Plg13.0000°,Azm105.0000° M_o7.20000×10^{18}

(196) Irian Jaya region

ISC	**V**	**16 01 31 23.2–.42**	**4.79S–.05**	**133.90E–.05**	**28**	**4.3b**	**87**	**2-150**
AUST	V	16 01 31 19.2–5.5	4.80S	133.89E	0–0	4.3b		**¶15154344**
IDC	V	16 01 31 19.5–.61	4.80S	133.77E	0	4.7L,4.3		
ISCJB	V	16 01 31 21.3–.33	4.82S–.03	133.84E–.04	28	4.2b,4.3		
DJA	V	16 01 31 23.2–.60	5S–8.0	134E–3.0	113–15	5.5b,5.1b		
NEIC	V	16 01 31 24.4–.39	4.87S	133.89E	35	4.5b,5.1b		

ISC Event type se.
AUST Error ellipse: s-maj=1.1km s-min=1.0km az=305.0.
IDC Error ellipse: s-maj=34.2km s-min=14.8km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.1km az=176.4.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.0km az=70.0.

(13) Kodiak Island region

ISC	**V**	**16 18 21 20.9–.43**	**56.40N–.05**	**152.34W–.04**	**15–1**	**5.6s,4.9b**	**558**	**1-152**
NEIC	V	16 18 21 18.5	56.20N	152.07W	10	4.8L,4.7b		**¶13439638**
IDC	V	16 18 21 18.9–.51	56.44N	152.52W	0	5.6s,5.6		
SZGRF	V	16 18 21 19.0	56.15N	153.52W	33	5.1b,5.6		
BJI	V	16 18 21 19.5	56.52N	152.97W	13	5.7s,5.4		
ISCJB	V	16 18 21 20.5–.16	56.52N–.02	152.35W–.04	20	5.6s,4.8b		
MOS	V	16 18 21 22.5–.99	56.60N	152.38W	33	5.7s,5.2b		

ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=14.5km s-min=9.7km az=15.0.
SZGRF Kodiak Island, Alaska, United States, region.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.6km az=26.3.
MOS Error ellipse: s-maj=9.8km s-min=4.2km az=90.0.

(13) Kodiak Island region

ISC	**V**	**16 18 22 27.2–.24**	**56.42N–.03**	**152.37W–.03**	**20**	**5.9s,5.4b**	**781**	**1-160**
IDC	V	16 18 22 24.4–.66	56.47N	152.47W	0	5.6s,5.6		**¶13679072**
ISCJB	V	16 18 22 26.5–.13	56.51N–.02	152.21W–.03	20	5.9s,5.3b		
NEIC	V	16 18 22 26.9–.16	56.45N	152.43W	20	5.8s,5.8W		
MOS	V	16 18 22 28.3–1.2	56.64N	152.06W	33	5.8s,5.6b		
BJI	V	16 18 22 32.9	56.40N	152.60W	70	6.2s,6.0		
DJA	V	16 18 22 34.5–2.2	58N–18	155W–50	10	6.0b,5.6		
GCMT	V	16 18 22 35.7–.10	56.11N	152.01W	12	5.9W,5.6		
SZGRF	V	16 18 22 38.8	57.77N	153.15W	33	5.8s,5.7b		

ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=11.0km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.0km az=37.6.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.4km az=35.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ85.00000° ,λ90.00000°. NP2:ϕ_s225.00000°,δ5.00000°,λ90.00000°. Principal axes: T Plg50.0000° ,Azm315.0000°; N Plg0.0000°,Azm0.0000°; P Plg40.0000°,Azm135.0000° Moment Tensor Solution. s96 Moment tensor: Scale 10^{17}Nm; M_{rr}0.92 $M_{\theta\theta}$-2.36 $M_{\phi\phi}$1.44 $M_{r\theta}$5.87 $M_{\theta\phi}$-1.64 $M_{\phi r}$3.30 Best double couple: NP1:ϕ_s59.00000°,δ82.00000°,λ83.00000°. NP2:ϕ_s283.00000° ,δ11.00000°,λ134.00000°. Principal axes: T 6.0800,Plg52.0000°,Azm320.0000° ; N 1.9100,Plg7.0000°,Azm59.0000°; P -8.0000,Plg36.0000°,Azm155.0000° M_o7.20000×10^{17}
MOS Error ellipse: s-maj=8.7km s-min=5.2km az=99.3.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=255, per= 50. Moment Tensor Solution. s98,c207; s62,c74; Moment tensor: Scale 10^{17}Nm; M_{rr}3.91±.04 $M_{\theta\theta}$-2.80±.04; $M_{\phi\phi}$-1.10±.04; $M_{r\theta}$6.85±.11; $M_{\theta\phi}$-2.10±.03; $M_{\phi r}$3.77±.12; Best double couple: NP1:ϕ_s231.00000°,δ14.00000°,λ80.00000°. NP2:ϕ_s61.00000°,δ76.00000°,λ92.00000°. Principal axes: T 8.6700,Plg59.0000°,Azm334.0000°; N 0.2900,Plg2.0000°,Azm240.0000° ; P -8.9500,Plg31.0000°,Azm149.0000° M_o8.80000×10^{17}
SZGRF Kodiak Island, Alaska, United States, region.

(13) Kodiak Island region

ISC	**V**	**16 18 22 33.6–.38**	**56.48N–.05**	**152.48W–.05**	**20**	**5.6s,5.4b**	**279**	**1-166**
IDC	V	16 18 22 30.0–.35	56.51N	152.33W	0	5.1,5.1		**¶16684259**
ISCJB	V	16 18 22 32.1–.26	56.42N–.04	152.51W–.07	20	5.6s,5.2b		

ISC Event type ke.
ISCJB Event type ke.

(13) Kodiak Island region

ISC	**V**	**16 18 37 41.3–.34**	**56.47N–.04**	**152.51W–.03**	**16–1**	**5.5s,5.4b**	**1015**	**1-160**
IDC	V	16 18 37 38.8–.37	56.49N	152.52W	0	5.1,5.1		**¶13065853**
BJI	V	16 18 37 39.6	56.61N	153.06W	11	5.9s,5.7b		
ISCJB	V	16 18 37 40.4–.12	56.48N–.02	152.49W–.03	20	5.4s,5.3b		
NEIC	V	16 18 37 40.4	56.25N	152.22W	21	5.4b,5.0L		
MOS	V	16 18 37 42.5–1.0	56.53N	152.46W	33	5.7b,5.4s		
GCMT	V	16 18 37 43.7–.20	56.17N	152.05W	14–0	5.3W,5.4s		
SZGRF	V	16 18 37 51.9	56.84N	153.47W	69	5.6b,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=8.4km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.0km az=30.3.
NEIC Event type se. After AEIC.
MOS Error ellipse: s-maj=7.7km s-min=3.3km az=88.6.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s26,c34; s99,c174; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s233.00000°,δ21.00000°,λ88.00000°. NP2:ϕ_s55.00000° ,δ69.00000°,λ91.00000°. Principal axes: T 1.1800,Plg66.0000°,Azm326.0000° ; N 0.0100,Plg1.0000°,Azm235.0000°; P -1.1900,Plg24.0000°,Azm144.0000° M_o1.20000×10^{17}
SZGRF Kodiak Island, Alaska, United States, region.

(277) Jawa

ISC	**V**	**17 01 37 43.3–.77**	**6.92S–.07**	**108.87E–.04**	**10**	**3.5b**	**27**	**0-58**
IDC	V	17 01 37 39.2–3.8	7.01S	108.69E	0	3.7,3.5		**¶13679093**
ISCJB	V	17 01 37 41.7–.42	6.77S–.05	108.90E–.03	10	3.5b,3.5		
DJA	V	17 01 37 44.9–.30	7S–3.0	109E–2.0	20–4	6.1b,5.7		

ISC Event type ke.
ISCJB Event type ke.

(641) North of Svalbard

ISC	**V**	**17 19 24 21.3–.29**	**82.52N–.03**	**8.84W–.03**	**15–1**	**5.4b,4.9s**	**2015**	**5-175**
ISCJB	V	17 19 24 17.4–.69	82.53N–.01	8.6W–.10	0–4	5.4b,4.9s		**¶14645911**
BJI	V	17 19 24 17.9	82.40N	8.80W	10	5.3s,5.2b		
IDC	V	17 19 24 19.0–.28	82.55N	8.92W	0	5.2,5.2		
MOS	V	17 19 24 18.9–.84	82.47N	8.76W	10	5.6b,4.9s		
TEH	V	17 19 24 20.4	82.54N	8.60W	10	5.4L,4.9s		
CSEM	V	17 19 24 20.1–.04	82.53N	8.59W	10	5.5b,5.5W		
NEIC	V	17 19 24 20.1–.08	82.52N	8.63W	6	5.6b,5.4W		
GCMT	V	17 19 24 21.5–.10	82.58N	9.16W	12	5.5W,5.4W		
SZGRF	V	17 19 24 23.4	82.48N	8.84W	33	5.3b,4.1s		
BGS	V	17 19 24 24.0–1.5	82.09N	8.63W	10	5.3b,4.6s		
NAO	V	17 19 24 26.7–13	81.95N	7.18W	14–130	5.2L,4.6s		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=42.8.
IDC Error ellipse: s-maj=9.6km s-min=7.9km az=39.0.
MOS Error ellipse: s-maj=32.4km s-min=3.0km az=93.2.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.4km az=43.0.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.5km az=44.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s355.00000°,δ65.00000° ,λ90.00000°. NP2:ϕ_s175.00000°,δ25.00000°,λ90.00000°. Principal axes: T Plg70.0000° ,Azm265.0000°; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm85.0000° Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.35 $M_{\theta\theta}$1.28 $M_{\phi\phi}$-0.93 $M_{r\theta}$0.11 $M_{\theta\phi}$-0.69 $M_{\phi r}$-0.35 Best double couple: NP1:ϕ_s62.00000°,δ72.00000°,λ-171.00000°. NP2:ϕ_s329.00000° ,δ81.00000°,λ-19.00000°. Principal axes: T 1.5000,Plg6.0000°,Azm16.0000° ; N -0.2600,Plg69.0000°,Azm124.0000°; P -1.2400,Plg19.0000°,Azm284.0000° M_o1.40000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=215, per= 50. Moment Tensor Solution. s80,c116; s28,c28; Moment tensor: Scale 10^{17}Nm; M_{rr}1.58±.02 $M_{\theta\theta}$-0.23±.03; $M_{\phi\phi}$-1.35±.02; $M_{r\theta}$-0.25±.07; $M_{\theta\phi}$0.85±.02; $M_{\phi r}$0.76±.06; Best double couple: NP1:ϕ_s146.00000°,δ33.00000°,λ81.00000°. NP2:ϕ_s337.00000°,δ58.00000°,λ96.00000°. Principal axes: T 1.7700,Plg77.0000°,Azm264.0000°; N 0.2200,Plg5.0000°,Azm154.0000° ; P -1.9800,Plg13.0000°,Azm63.0000° M_o1.90000×10^{17}
SZGRF North of Svalbard.
BGS Error ellipse: s-maj=103.2km s-min=916.1km az=-1.0.
NAO Error ellipse: s-maj=1.7km s-min=0.5km az=-1.0.

(115) Near coast of Peru

ISC	**V**	**18 14 01 04.9–.62**	**15.76S–.04**	**74.99W–.05**	**25–3**	**5.5s,5.3b**	**417**	**4-174**
IDC	V	18 14 01 01.1–.45	15.61S	74.95W	0	5.5,5.5s		**¶12834863**
NEIC	V	18 14 01 04.9–1.3	15.66S	74.84W	23–9	5.8W,5.7W		
ISCJB	V	18 14 01 04.6–.20	15.72S–.04	74.99W–.04	33	5.5s,5.2b		
BJI	V	18 14 01 05.5	15.42S	75.87W	26	5.8s,5.6b		
MOS	V	18 14 01 06.2–1.2	15.42S	75.07W	33	5.5s,5.3b		
GCMT	V	18 14 01 08.8–.10	15.80S	75.26W	12–0	5.8W,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.4km s-min=11.5km az=60.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=3.6km az=59.0. Felt [III] at Ica, Nazca, Palpa and San Juan de Marcona; [II] at Acari and Yauca. Moment Tensor Solution. s76 Moment tensor: Scale 10^{17}Nm; M_{rr}3.18 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-2.96 $M_{r\theta}$-0.26 $M_{\theta\phi}$1.12 $M_{\phi r}$-3.44 Best double couple: NP1:ϕ_s325.00000°,δ25.00000°,λ60.00000°. NP2:ϕ_s177.00000° ,δ69.00000°,λ103.00000°. Principal axes: T 4.8200,Plg63.0000°,Azm108.0000° ; N -0.1300,Plg12.0000°,Azm352.0000°; P -4.6900,Plg22.0000°,Azm257.0000° M_o4.70000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.4km az=137.7.
MOS Error ellipse: s-maj=13.0km s-min=7.4km az=109.6.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=222, per= 50. Moment Tensor Solution. s99,c194; s63,c70; Moment tensor: Scale 10^{17}Nm; M_{rr}3.05±.04 $M_{\theta\theta}$-0.45±.03; $M_{\phi\phi}$-2.60±.04; $M_{r\theta}$1.53±.11; $M_{\theta\phi}$1.64±.03; $M_{\phi r}$-5.19±.23; Best double couple: NP1:ϕ_s319.00000°,δ17.00000°,λ68.00000°. NP2:ϕ_s162.00000°,δ75.00000°,λ96.00000°. Principal axes: T 6.1700,Plg60.0000°,Azm81.0000°; N 0.3100,Plg6.0000°,Azm340.0000° ; P -6.4800,Plg29.0000°,Azm247.0000° M_o6.30000×10^{17}

(115) Near coast of Peru

ISC	**V**	**18 14 13 07.5–.36**	**15.76S–.06**	**75.11W–.08**	**30**	**5.4s,4.8b**	**167**	**4-169**
IDC	V	18 14 13 02.9–.55	15.66S	75.05W	0	4.9s,4.8		**¶12834865**
BJI	V	18 14 13 04.3	15.60S	75.00W	10	5.6s,5.4b		
ISCJB	V	18 14 13 05.6–.27	15.66S–.05	74.96W–.07	30	5.3s,4.7b		
NEIC	V	18 14 13 06.2–1.6	15.71S	75.04W	20–12	4.9b,4.6L		
GCMT	V	18 14 13 09.3–.30	15.90S	75.27W	18–1	5.3W,4.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=22.3km s-min=14.0km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=4.1km az=141.4.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=4.5km az=58.0. Felt [II] at Acari, Ica, Nazca and Yauca.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s20,c21; s62,c90; Moment tensor: Scale 10^{17}Nm; M_{rr}1.07±.07 $M_{\theta\theta}$-0.16±.04; $M_{\phi\phi}$-0.91±.05; $M_{r\theta}$0.07±.08; $M_{\theta\phi}$0.47±.02; $M_{\phi r}$-0.27±.11; Best double couple: NP1:ϕ_s331.00000°,δ38.00000°,λ85.00000°. NP2:ϕ_s157.00000°,δ52.00000°,λ94.00000°. Principal axes: T 1.1100,Plg82.0000° ,Azm87.0000°; N 0.0600,Plg3.0000°,Azm335.0000°; P -1.1700,Plg7.0000°,Azm245.0000° M_o1.10000×10^{17}

(410) Southern Mid-Atlantic Ridge

ISC	**V**	**19 03 26 23.4–.37**	**47.37S–.09**	**13.49W–.08**	**10**	**4.5b,4.2s**	**105**	**25-156**
ISCJB	V	19 03 26 21.8–.40	47.33S–.08	13.4W–.10	10	4.4b,4.2s		**¶12838179**
IDC	V	19 03 26 21.6–.51	47.34S	13.39W	0	4.4,4.4b		
BJI	V	19 03 26 23.3	47.30S	13.30W	10	5.5b,5.3s		
NEIC	V	19 03 26 23.3–.26	47.35S	13.37W	10	5.0b,5.3s		
GCMT	V	19 03 26 23.9–.30	47.77S	13.26W	15–1	4.9W,5.3s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=10.0km az=149.7.
IDC Error ellipse: s-maj=17.0km s-min=15.2km az=106.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.7km az=162.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s24,c28; s73,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.10±.23 $M_{\theta\theta}$0.03±.13; $M_{\phi\phi}$3.07±.16; $M_{r\theta}$-1.32±.41; $M_{\theta\phi}$0.03±.09; $M_{\phi r}$-0.01±.25; Best double couple: NP1:ϕ_s162.00000°,δ48.00000°,λ-117.00000°. NP2:ϕ_s20.00000°,δ49.00000°,λ-63.00000°. Principal axes: T 3.0700,Plg0.0000° ,Azm91.0000°; N 0.5100,Plg20.0000°,Azm181.0000°; P -3.5800,Plg70.0000°,Azm0.0000° M_o3.30000×10^{16}

(274) Southern Sumatera

ISC	**V**	**19 15 34 06.5–.59**	**2.22S–.06**	**99.23E–.07**	**35**	**4.6b,4.0s**	**121**	**1-147**
IDC	V	19 15 34 02.6–1.3	2.12S	99.54E	0	4.3,4.3b		**¶12840142**
ISCJB	V	19 15 34 04.7–.57	2.23S–.06	99.37E–.06	33	4.5b,4.0s		
BJI	V	19 15 34 06.2	2.20S	99.50E	35	4.8b,4.8b		
NEIC	V	19 15 34 07.3–.44	2.15S	99.52E	35	4.6b,4.8b		
DJA	V	19 15 34 12.0–.70	2S–6.0	99E–10	10	5.2b,4.7b		

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

(555) Western Arabian Peninsula

ISC	**V**	**19 16 54 31.3–.37**	**25.24N–.03**	**37.71E–.03**	**13–1**	**4.9b,4.3s**	**941**	**3-122**
BJI	V	19 16 54 22.4	24.91N	36.83E	10	5.1b,5.0s		**¶13065876**
ISCJB	V	19 16 54 29.9–.18	25.30N–.02	37.74E–.02	14	4.8b,4.3s		
CSEM	V	19 16 54 29.9–.09	25.29N	37.75E	2	5.0W,4.9b		
IDC	V	19 16 54 29.3–.52	25.24N	37.78E	0	4.6,4.6		
DJA	V	19 16 54 30.6–.50	25N–8.0	38E–7.0	10	6.4,5.9b		
GCMT	V	19 16 54 31.7–.20	25.20N	37.76E	12	5.0W,5.9b		

NEIC	V	19 16 54 31.1–.25	25.25N	37.70E	10	5.1b,5.9b			
HLW	V	19 16 54 32.0	25.29N	37.56E	9–10	3.4L,0.0			
MOS	V	19 16 54 33.0–.76	25.35N	37.74E	33	5.1b,0.0			
SZGRF	V	19 16 54 35.2	25.62N	37.94E	33	5.2b,0.0			
TEH	V	19 16 54 35.0	25.24N	37.74E	35	4.9L,0.0			
NSSC	V	19 16 54 43.5–1.9	26.41N	38.07E	0–166	4.8L,0.0			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.1km az=7.4.
CSEM Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=11.7km az=39.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c37; s75,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.14±.09 $M_{\theta\theta}$1.21±.09; $M_{\phi\phi}$2.94±.09; $M_{r\theta}$0.08±.35; $M_{\theta\phi}$-1.95±.07; $M_{\phi r}$-0.44±.29; Best double couple: NP1:ϕ_s145.00000°,δ42.00000°,λ-94.00000°. NP2:ϕ_s329.00000°,δ48.00000°,λ-87.00000°. Principal axes: T 4.2300,Plg3.0000° ,Azm57.0000°; N -0.0500,Plg2.0000°,Azm147.0000°; P -4.1700,Plg86.0000°,Azm278.0000° M_o4.20000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.9km az=6.0. Felt at Yanbu' al Bahr.
MOS Error ellipse: s-maj=6.8km s-min=3.2km az=110.6.
SZGRF Western Arabian Peninsula.
NSSC Error ellipse: s-maj=246.2km s-min=21.4km az=-1.0.

(555) Western Arabian Peninsula

ISC	**V**	**19 17 35 01.3–.28**	**25.24N–.02**	**37.74E–.02**	**9–1**	**5.5b,5.3s**	**1927**	**0-173**
BGS	V	19 17 34 33.9–1.9	22.33N	39.50E	5	5.6b,5.0s		**¶14598201**
BJI	V	19 17 34 54.0	25.01N	36.95E	10	5.9s,5.8b		
HLW	V	19 17 34 58.6	25.21N	37.76E	7–7	3.8L,0.0		
ISCJB	V	19 17 34 59.5–.12	25.32N–.02	37.74E–.01	5	5.5b,5.3s		
IDC	V	19 17 35 00.7–.31	25.35N	37.78E	0	5.3,5.3s		
CSEM	V	19 17 35 00.9–.07	25.36N	37.78E	2	5.7W,5.6b		
NEIC	V	19 17 35 01.1–.14	25.29N	37.74E	5	5.7b,5.7W		
SZGRF	V	19 17 35 02.9	25.04N	37.65E	33	5.7b,4.6s		
GCMT	V	19 17 35 02.5–.10	25.20N	37.76E	12	5.7W,4.6s		
TEH	V	19 17 35 03.0	25.36N	37.68E	10	5.6L,4.6s		
MOS	V	19 17 35 04.0–.82	25.40N	37.74E	33	5.8b,5.1s		
NSSC	V	19 17 35 05.8–2.5	25.51N	37.13E	37–999	5.3L,5.1s		
DJA	V	19 17 35 06.1–.70	25N–4.0	38E–6.0	48–8	7.1,6.1b		

ISC Event type de.
ISCJB Event type de.
CSEM Event type ke.
NEIC Event type de. At least seven people injured in Al Madinah. Felt at Al 'Ula, Al Wajh, Medina, Umm Lajj, Yanbu' al Bahr and in other parts of Al Madinah. Several large ground cracks and landslides were observed in Al Madinah. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s290.00000°,δ60.00000°,λ-90.00000°. NP2: ϕ_s110.00000°,δ30.00000°,λ-90.00000°. Principal axes: T Plg15.0000°,Azm20.0000° ; N Plg0.0000°,Azm0.0000°; P Plg75.0000°,Azm200.0000° Moment Tensor Solution. s43 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.16 $M_{\theta\theta}$1.32 $M_{\phi\phi}$1.84 $M_{r\theta}$2.45 $M_{\theta\phi}$-1.34 $M_{\phi r}$0.60 Best double couple: NP1:ϕ_s158.00000°,δ38.00000°,λ-50.00000°. NP2:ϕ_s291.00000° ,δ62.00000°,λ-117.00000°. Principal axes: T 3.2000,Plg13.0000°,Azm40.0000° ; N 1.2300,Plg23.0000°,Azm304.0000°; P -4.4300,Plg62.0000°,Azm157.0000° M_o4.00000×10^{17}
SZGRF Western Arabian Peninsula.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=242, per= 50. Moment Tensor Solution. s82,c142; s63,c70; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.99±.03 $M_{\theta\theta}$1.59±.03; $M_{\phi\phi}$2.40±.04; $M_{r\theta}$0.35±.10; $M_{\theta\phi}$-1.85±.03; $M_{\phi r}$-0.29±.10; Best double couple: NP1:ϕ_s143.00000°,δ42.00000°,λ-88.00000°. NP2:ϕ_s320.00000°,δ48.00000°,λ-92.00000°. Principal axes: T 3.9100,Plg3.0000°,Azm51.0000°; N 0.1000,Plg1.0000°,Azm321.0000° ; P -4.0200,Plg87.0000°,Azm208.0000° M_o4.00000×10^{17}

(711) Southwestern Kashmir

ISC	**V**	**19 19 29 48.9–.52**	**33.23N–.03**	**75.79E–.03**	**19–2**	**5.0b,3.9s**	**614**	**1-152**
LDG	V	19 19 29 44.4–.10	33.16N	75.84E	10	5.0b,3.7s		**¶13193042**
IDC	V	19 19 29 45.6–.44	33.14N	75.76E	0	4.9,4.9		
ISCJB	V	19 19 29 47.8–.60	33.20N–.02	75.82E–.02	25–4	4.9b,3.9s		
NDI	V	19 19 29 47.3–3.0	33.23N	75.57E	10	4.9b,4.8L		
NEIC	V	19 19 29 48.9–1.5	33.20N	75.79E	21–10	4.9b,4.8L		
MOS	V	19 19 29 49.0–.80	33.20N	75.74E	33	5.2b,4.8L		
SZGRF	V	19 19 29 51.0	33.62N	74.31E	13	4.8b,4.8L		
DJA	V	19 19 29 52.7–1.1	33N–9.0	76E–4.0	62–13	5.4b,5.3		
BJI	V	19 19 29 53.3	33.44N	76.43E	25	4.8b,4.8b		
KISR	V	19 19 29 55.5–3.0	34.15N	74.59E	0–999	5.5b,4.8b		
NNC	V	19 19 29 58.2–4.3	34.36N	75.87E	0	4.9,4.8b		

ISC Event type de.
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=3.8km az=42.0.
IDC Error ellipse: s-maj=13.6km s-min=10.3km az=19.0.
ISCJB Event type de. Error ellipse: s-maj=3.3km s-min=2.5km az=42.4.
NDI Error ellipse: s-maj=13.6km s-min=29.4km az=-1.0.
NEIC Event type de. Error ellipse: s-maj=5.0km s-min=3.0km az=199.0. At least 100 houses damaged slightly in the Kishtwar area. Felt at Doda, Jammu, Rajouri, Ramban and Udhampur.
MOS Error ellipse: s-maj=6.4km s-min=3.6km az=120.7.
SZGRF Southwestern Kashmir.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NNC Error ellipse: s-maj=41.0km s-min=24.8km az=156.0.

(174) Tonga Islands region

ISC	**V**	**20 09 40 21.9–.85**	**23.32S–.05**	**174.67W–.05**	**49–7**	**5.3b,4.7s**	**719**	**6-169**
IDC	V	20 09 40 15.0–.37	23.34S	174.82W	0	5.2,5.2		**¶15154422**
GCMT	V	20 09 40 18.9–.30	23.24S	174.16W	13–1	5.1W,5.2		
ISCJB	V	20 09 40 18.8–.16	23.31S–.04	174.64W–.03	33	5.3b,4.7s		
MOS	V	20 09 40 19.7–1.1	23.15S	174.75W	33	5.6b,4.6s		
NEIC	V	20 09 40 19.4–2.0	23.33S	174.67W	30–13	5.3b,4.6s		
AUST	V	20 09 40 20.8	22.64S	174.27W	60	5.3b,4.6s		
BGS	V	20 09 40 21.3–5.5	23.33S	174.67W	33	5.3b,4.6s		
BJI	V	20 09 40 23.6	23.20S	174.70W	60	5.5b,5.4s		
DJA	V	20 09 40 58.0–7.7	23S–18	176W–63	344–75	5.5b,5.1		

ISC Event type se.
GCMT Event type se. Data Used: IC G IU II CN. Moment Tensor Solution. s33,c46; s67,c102; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.28±.26 $M_{\theta\theta}$0.14±.20; $M_{\phi\phi}$4.14±.17; $M_{r\theta}$-1.07±.48; $M_{\theta\phi}$2.84±.13; $M_{\phi r}$-1.42±.39; Best double couple: NP1:ϕ_s202.00000°,δ35.00000°,λ-99.00000°. NP2:ϕ_s32.00000°,δ55.00000°,λ-84.00000°. Principal axes: T 5.9200,Plg10.0000° ,Azm118.0000°; N -1.3100,Plg5.0000°,Azm209.0000°; P -4.6100,Plg79.0000° ,Azm325.0000° M_o5.30000×10^{16}
ISCJB Event type se.
NEIC Event type se.

(429) Mid-Indian Ridge

ISC	**V**	**20 09 57 43.6–.35**	**7.20S–.06**	**68.00E–.04**	**17–1**	**5.1b,4.7s**	**606**	**4-157**
IDC	V	20 09 57 40.9–.44	7.15S	68.00E	0	4.5,4.5		**¶12842993**
BJI	V	20 09 57 41.5	7.20S	68.00E	10	5.1s,5.1b		
MOS	V	20 09 57 41.3–.96	7.01S	67.94E	10	5.5b,4.6s		
ISCJB	V	20 09 57 42.3–.25	7.14S–.05	67.91E–.03	20	5.0b,4.7s		
NEIC	V	20 09 57 42.5–.15	7.14S	67.97E	10	5.4b,5.3W		
DJA	V	20 09 57 44.1–.40	7S–9.0	68E–6.0	10	5.4b,5.0		
GCMT	V	20 09 57 45.7–.10	7.30S	67.97E	12	5.3W,5.0		
SZGRF	V	20 09 57 53.0	6.20S	66.44E	27	5.2b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=13.4km s-min=11.5km az=17.0.
MOS Error ellipse: s-maj=8.2km s-min=4.7km az=116.4.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=177.7.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=199.0. Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s134.00000°,δ17.00000°,λ-87.00000°. NP2:ϕ_s311.00000° ,δ73.00000°,λ-91.00000°. Principal axes: T 1.1300,Plg27.0000°,Azm41.0000° ; N -0.0400,Plg0.0000°,Azm311.0000°; P -1.0900,Plg62.0000°,Azm219.0000° M_o1.10000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 99, comp=183, per= 50. Moment Tensor Solution. s52,c73; s14,c14; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s137.00000° ,δ42.00000°,λ-86.00000°. NP2:ϕ_s312.00000°,δ48.00000°,λ-94.00000°. Principal axes: T 1.0600,Plg3.0000°,Azm45.0000°; N -0.1100,Plg3.0000°,Azm314.0000° ; P -0.9500,Plg86.0000°,Azm182.0000° M_o1.00000×10^{17}
SZGRF South Indian Ocean.

(426) Chagos Archipelago region

ISC	**V**	**20 15 18 38.0–.44**	**7.13S–.06**	**68.03E–.06**	**17–1**	**4.8b,4.1s**	**411**	**4-157**
BJI	V	20 15 18 35.5	7.20S	68.10E	10	4.9b,4.7s		**¶12844589**
IDC	V	20 15 18 35.1–.43	7.14S	67.99E	0	4.4,4.3		
MOS	V	20 15 18 35.1–.74	7.06S	68.04E	10	5.1b,4.3		
ISCJB	V	20 15 18 36.1–.30	7.13S–.05	68.00E–.04	17	4.7b,4.1s		
NEIC	V	20 15 18 36.6–.20	7.13S	68.03E	10	5.0b,4.1s		
SZGRF	V	20 15 18 42.1	7.51S	66.51E	33	5.0b,4.1s		
DJA	V	20 15 19 23.1–5.6	4S–15	70E–7.0	182–61	6.2b,5.9		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
SZGRF Mid-Indian Ridge.

(248) Philippine Islands region

ISC	**V**	**21 05 53 56.5–.49**	**7.93N–.02**	**126.91E–.03**	**33–2**	**5.5b,5.4s**	**990**	**1-171**
MAN	V	21 05 53 53	7.74N	127.33E	25	6.2b,5.8s		**¶13469810**
NEIC	V	21 05 53 53.7–.13	7.89N	126.90E	14	5.7W,5.6W		
ISCJB	V	21 05 53 54.8–.12	7.93N–.01	127.05E–.02	33	5.4b,5.4s		
MOS	V	21 05 53 55.0–.96	7.84N	126.72E	33	5.7b,5.3s		
IDC	V	21 05 53 57.0–1.1	7.86N	126.80E	35–8	5.3,5.2		
DJA	V	21 05 53 57.5–.80	8N–5.0	127E–4.0	46–6	6.0,5.9b		
AUST	V	21 05 53 58.4–.21	7.82N	127.23E	52–0	6.0,5.9b		
BJI	V	21 05 53 59.1	8.04N	126.69E	60	5.7b,5.5s		
GCMT	V	21 05 53 59.4–.10	7.79N	127.15E	19–0	5.7W,5.5s		
TEH	V	21 05 54 00.0	7.83N	127.02E	64	5.9L,5.5s		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - HINATUAN SURIGAO DEL SUR; INTENSITY III - MATI; INTENSITY II - DAVAO.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.7km az=77.0. Felt [IV PIVS] at Hinatuan, [III PIVS] at Mati and [II PIVS] at Butuan, Cagayan de Oro, Davao, Manay and Nabunturan. Also felt at Bayugan and Tagum. Moment Tensor Solution. s40 Moment tensor: Scale 10^{17} Nm; M_{rr}2.26 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-3.03 $M_{r\theta}$0.83 $M_{\theta\phi}$1.67 $M_{\phi r}$1.75 Best double couple: NP1:ϕ_s8.00000° ,δ65.00000°,λ126.00000°. NP2:ϕ_s128.00000°,δ43.00000°,λ39.00000°. Principal axes: T 3.4600,Plg54.0000°,Azm323.0000°; N 0.5000,Plg31.0000°,Azm170.0000° ; P -3.9700,Plg12.0000°,Azm72.0000° M_o3.70000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=0.5.
MOS Error ellipse: s-maj=9.0km s-min=4.1km az=111.6.
IDC Error ellipse: s-maj=12.1km s-min=7.8km az=82.0.
AUST Error ellipse: s-maj=0.7km s-min=0.6km az=44.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=104, comp=218, per= 50. Moment Tensor Solution. s102,c191; s55,c58; Moment tensor: Scale 10^{17}Nm; M_{rr}3.02±.05 $M_{\theta\theta}$0.61±.03; $M_{\phi\phi}$-3.63±.04; $M_{r\theta}$1.57±.10; $M_{\theta\phi}$-0.57±.03; $M_{\phi r}$3.44±.12; Best double couple: NP1:ϕ_s171.00000°,δ23.00000°,λ61.00000°. NP2:ϕ_s21.00000°,δ70.00000°,λ102.00000°. Principal axes: T 4.8400,Plg63.0000°,Azm310.0000°; N 0.4700,Plg11.0000°,Azm197.0000° ; P -5.3200,Plg24.0000°,Azm102.0000° M_o5.10000×10^{17}

(248) Philippine Islands region

ISC	**V**	**21 07 35 28.3–.26**	**7.88N–.02**	**127.09E–.04**	**40–1**	**5.0b,4.5s**	**457**	**1-163**
BJI	V	21 07 35 24.9	7.63N	126.99E	37	5.1b,5.0b		**¶15154449**
MOS	V	21 07 35 25.9–1.1	7.86N	126.79E	33	5.3b,4.5s		
AUST	V	21 07 35 25.8	7.99N	127.53E	35	5.3b,4.5s		
MAN	V	21 07 35 26	7.81N	127.19E	52	5.6b,5.1s		
IDC	V	21 07 35 27.4–2.1	7.80N	126.82E	33–15	4.7,4.6		
NEIC	V	21 07 35 28.6–.22	7.82N	126.90E	39	5.0b,4.6		
ISCJB	V	21 07 35 29.5–.48	7.81N–.02	126.93E–.04	66–4	4.9b,4.6		
GCMT	V	21 07 35 30.5–.20	7.96N	127.22E	14–0	5.2W,4.6		
DJA	V	21 07 35 36.5–.70	7N–5.0	127E–4.0	52–6	6.0,5.5b		

ISC Event type fe.
MAN Event type fe. INTENSITY II - CATEEL DAVAO ORIENTAL.
NEIC Event type fe. Felt [III PIVS] at Cotabato.
ISCJB Event type fe.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s54,c68; s77,c133; Moment tensor: Scale 10^{16}Nm; M_{rr}5.76±.24 $M_{\theta\theta}$0.31±.14; $M_{\phi\phi}$-6.07±.17; $M_{r\theta}$0.44±.35; $M_{\theta\phi}$0.19±.10; $M_{\phi r}$3.82±.37; Best double couple: NP1:ϕ_s173.00000°,δ29.00000°,λ82.00000°. NP2:ϕ_s3.00000°,δ62.00000°,λ95.00000°. Principal axes: T 6.9200,Plg73.0000° ,Azm284.0000°; N 0.2800,Plg4.0000°,Azm181.0000°; P -7.2000,Plg16.0000°,Azm90.0000° M_o7.10000×10^{16}

(248) Philippine Islands region

ISC	**V**	**21 15 55 13.4–.27**	**7.85N–.03**	**126.88E–.05**	**35**	**4.7b,4.1s**	**252**	**2-122**
DJA	V	21 15 55 05.7–3.8	8N–32	128E–12	10	5.5b,5.3		**¶15154442**
MAN	V	21 15 55 09	7.73N	127.36E	29	5.4b,4.6s		
ISCJB	V	21 15 55 11.1–.18	7.88N–.02	127.24E–.03	33	4.6b,4.1s		
AUST	V	21 15 55 11.8–.27	7.92N	127.52E	36–0	4.6b,4.1s		
MOS	V	21 15 55 11.2–1.1	7.74N	126.72E	33	4.9b,4.1s		
NEIC	V	21 15 55 13.3–.28	7.78N	126.90E	36	4.7b,4.1s		
IDC	V	21 15 55 13.1–3.3	7.74N	126.80E	33–25	4.3,4.3		
GCMT	V	21 15 55 16.5–.30	7.76N	127.28E	17–1	4.9W,4.3		
BJI	V	21 15 55 20.0	8.11N	126.69E	90	4.9b,4.6b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=167.0.
AUST Error ellipse: s-maj=1.0km s-min=0.7km az=228.0.
MOS Error ellipse: s-maj=14.7km s-min=6.2km az=111.2.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.4km az=80.0.
IDC Error ellipse: s-maj=19.2km s-min=9.9km az=80.0.
GCMT Event type se. Data Used: II G IU IC. Moment Tensor Solution. s23,c27; s61,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}2.07±.19 $M_{\theta\theta}$0.35±.10; $M_{\phi\phi}$-2.42±.13; $M_{r\theta}$1.29±.33; $M_{\theta\phi}$-0.34±.07; $M_{\phi r}$2.04±.33; Best double couple: NP1:ϕ_s167.00000°,δ26.00000°,λ54.00000°. NP2:ϕ_s26.00000°,δ69.00000°,λ106.00000°. Principal axes: T 3.2700,Plg62.0000° ,Azm320.0000°; N 0.1100,Plg15.0000°,Azm200.0000°; P -3.3800,Plg23.0000° ,Azm103.0000° M_o3.30000×10^{16}

(265) Minahassa Peninsula, Sulawesi

ISC	**V**	**21 19 34 14.3–.81**	**1.09S–.06**	**123.26E–.05**	**40**	**3.7b**	**22**	**0-91**
IDC	V	21 19 34 07.9–.96	0.86S	123.40E	0	4.0L,3.8		**¶13679386**
DJA	V	21 19 34 12.7–.90	1S–4.0	123E–5.0	10	6.0b,5.9b		
ISCJB	V	21 19 34 13.6–.47	1.10S–.04	123.29E–.04	40	3.7b,5.9b		

ISC Event type ke.
ISCJB Event type ke.

(266) Northern Molucca Sea

ISC	**V**	**22 12 48 17.6–.29**	**1.35N–.03**	**126.07E–.04**	**54**	**4.6b,3.6s**	**214**	**1-123**
IDC	V	22 12 48 10.4–.50	1.27N	125.75E	0	4.5,4.4		**¶15154473**
BJI	V	22 12 48 12.3	0.96N	125.90E	37	4.9b,4.8b		
NEIC	V	22 12 48 15.7–.30	1.34N	125.98E	35	4.6b,4.8b		
ISCJB	V	22 12 48 16.2–.19	1.34N–.02	126.06E–.03	54	4.6b,3.8s		
DJA	V	22 12 48 17.2–.40	2N–6.0	126E–2.0	56–6	5.3b,4.9		
AUST	V	22 12 48 21.9–.23	1.15N	126.09E	93–0	5.3b,4.9		

ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=10.6km az=73.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.8km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.1km az=155.7.
AUST Error ellipse: s-maj=0.9km s-min=0.8km az=43.0.

(221) Kuril Islands

ISC	**V**	**22 13 31 30.5–.35**	**46.51N–.05**	**152.75E–.03**	**50–2**	**4.7b,4.0s**	**505**	**4-154**
NIED	V	22 13 31 00	46.50N	153.00E	14	4.5W,4.0s		**¶13193085**
ISCJB	V	22 13 31 27.9–.47	46.51N–.04	152.73E–.04	41–4	4.7b,4.0s		
JMA	V	22 13 31 27.7–.70	46.55N	153.02E	30	5.0,4.0s		
BJI	V	22 13 31 29.1	46.48N	152.72E	52	4.8b,4.7b		
NEIC	V	22 13 31 30.6–.20	46.59N	152.61E	49	4.7b,4.7b		
SKHL	V	22 13 31 30.2–1.5	46.72N	153.00E	64–9	6.0b,5.7s		
IDC	V	22 13 31 30.9–.47	46.64N	152.62E	50–4	4.3,4.3		
MOS	V	22 13 31 31.1–1.1	46.60N	152.63E	68	5.0b,4.3		
SZGRF	V	22 13 31 40.1	48.50N	151.20E	33	5.0b,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s328.00000°,δ82.00000°,λ58.00000°. NP2:ϕ_s225.00000°,δ33.00000°,λ164.00000°. M_o6.40000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.1km az=153.4.
JMA Error ellipse: s-maj=6.7km s-min=6.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=155.0.
IDC Error ellipse: s-maj=13.2km s-min=10.4km az=140.0.
MOS Error ellipse: s-maj=7.9km s-min=5.1km az=101.9.
SZGRF Kuril Islands, Russia.

(523) Central Mexico

ISC	**V**	**22 19 24 17.4–.21**	**18.16N–.02**	**98.40W–.02**	**60–1**	**5.8b**	**1663**	**0-155**
CASC	V	22 19 24 07.8–.48	19.19N	98.66W	20–999	5.8b		**¶12854197**
SZGRF	V	22 19 24 10.5	16.73N	99.24W	55	5.9b,4.7s		

BGS V 22 19 24 14.7–1.4 18.72N 98.97W 33 5.8b,4.7s
ISCJB V 22 19 24 16.3–.20 18.20N–.02 98.41W–.01 61–1 5.8b,4.7s
IGIL V 22 19 24 17.6 18.35N 98.27W 56 5.7b,4.7s
MOS V 22 19 24 17.9–.85 18.36N 98.21W 74 6.2b,5.0s
IDC V 22 19 24 17.9–.36 18.30N 98.23W 56–2 5.4,5.4
MEX V 22 19 24 18.5–.73 18.11N 98.46W 62–6 5.7,5.4
NEIC V 22 19 24 18.5 18.11N 98.46W 62 5.8b,5.7
BJI V 22 19 24 20.4 18.60N 98.07W 84 5.7b,5.5s
GCMT V 22 19 24 22.7–.10 18.22N 98.26W 59–0 5.6W,5.5s
ISC Event type fe.
CASC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Near coast of Guerrero, Mexico.
BGS Error ellipse: s-maj=248.4km s-min=374.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=30.3.
MOS Error ellipse: s-maj=8.7km s-min=4.4km az=107.5.
IDC Error ellipse: s-maj=10.1km s-min=6.1km az=65.0.
MEX Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0.
NEIC Event type fe. Felt [V] at Metepec; [IV] at Atizapan, Cholula, Cuernavaca, Huixquilucan, Ixtapaluca, Mexico, Puebla, Texcoco, Tlalnepantla and Tultitlan; [III] at Jalapa, Jiutepec, Naucalpan, Tepoztlan and Toluca. Felt in much of central Mexico from Leon and Acapulco to Oaxaca and Veracruz. Depth from synthetics of broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After MEX. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s295.00000°,δ40.00000°,λ-70.00000°. NP2:ϕ_s90.00000°,δ53.00000°,λ-106.00000°. Principal axes: T Plg7.0000°,Azm191.0000°; N Plg0.0000°,Azm0.0000°; P Plg76.0000° ,Azm308.0000° Moment Tensor Solution. s47 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.33 $M_{\theta\theta}$1.94 $M_{\phi\phi}$0.39 $M_{r\theta}$-1.08 $M_{\theta\phi}$-0.33 $M_{\phi r}$-0.66 Best double couple: NP1:ϕ_s294.00000° ,δ35.00000°,λ-65.00000°. NP2:ϕ_s84.00000°,δ59.00000°,λ-106.00000°. Principal axes: T 2.2200,Plg12.0000°,Azm185.0000°; N 0.5400,Plg13.0000°,Azm92.0000° ; P -2.7500,Plg71.0000°,Azm316.0000° M_o2.50000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 91, comp=177, per= 50. Moment Tensor Solution. s103,c204; s45,c48; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.93±.05 $M_{\theta\theta}$3.51±.04; $M_{\phi\phi}$-0.57±.04; $M_{r\theta}$-1.48±.04; $M_{\theta\phi}$0.34±.04; $M_{\phi r}$-0.96±.04; Best double couple: NP1:ϕ_s282.00000°,δ34.00000°,λ-63.00000°. NP2:ϕ_s70.00000°,δ60.00000°,λ-107.00000°. Principal axes: T 3.9000,Plg13.0000°,Azm173.0000°; N -0.3800,Plg15.0000°,Azm79.0000° ; P -3.5100,Plg70.0000°,Azm303.0000° M_o3.70000×10^{17}

(268) Sulawesi

ISC	**V**	**23 11 40 53.8–1.5**	**2.87S–.04**	**119.79E–.06**	**8–10**	**4.5b,3.6s**	**39 0-93**
IDC	V	23 11 40 51.9–.98	2.68S	120.00E	0	4.3,4.1	**¶13679466**
ISCJB	V	23 11 40 53.8–1.1	2.82S–.04	119.71E–.06	19–9	4.2b,3.6s	
DJA	V	23 11 40 54.6–.30	3S–4.0	120E–3.0	10	8.3,8.0b	
NEIC	V	23 11 40 58.8–1.4	2.88S	119.75E	50–14	4.5b,8.0b	

ISC Event type se.
IDC Error ellipse: s-maj=59.3km s-min=16.3km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.0km az=167.9.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=7.8km az=59.0.

(269) Southern Molucca Sea

ISC	**V**	**23 16 06 45.6–.29**	**2.71S–.04**	**127.52E–.04**	**42**	**4.8b,3.8s**	**219 2-151**
BJI	V	23 16 06 42.3	2.70S	127.60E	35	4.9b,4.8b	**¶12854295**
IDC	V	23 16 06 43.8–2.8	2.74S	127.62E	26–18	4.9L,4.5	
ISCJB	V	23 16 06 43.8–.22	2.67S–.03	127.58E–.03	42	4.7b,3.9s	
NEIC	V	23 16 06 44.4–.24	2.70S	127.53E	35	4.8b,3.9s	
DJA	V	23 16 06 46.3–.30	3S–2.0	127E–2.0	42–5	4.7,4.7	

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

(196) Irian Jaya region

ISC	**V**	**23 18 04 32.4–.54**	**0.63S–.03**	**133.14E–.04**	**41–4**	**5.2b,4.2s**	**398 1-161**
IDC	V	23 18 04 26.5–.39	0.57S	133.17E	0	5.2L,5.1	**¶12854298**
ISCJB	V	23 18 04 28.7–.83	0.59S–.03	133.20E–.02	25–6	5.2b,4.2s	
BJI	V	23 18 04 29.8	1.09S	133.45E	62	5.1b,5.1b	
MOS	V	23 18 04 30.2–1.0	0.53S	133.11E	33	5.3b,4.2s	
NEIC	V	23 18 04 30.7–1.8	0.58S	133.17E	29–12	5.2b,4.2s	
GCMT	V	23 18 04 31.7–.30	0.78S	133.04E	42–1	5.0W,4.2s	
DJA	V	23 18 04 33.6–.70	1S–3.0	133E–2.0	33–7	5.7b,5.3	

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c40; s60,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.98±.18 $M_{\theta\theta}$1.66±.11; $M_{\phi\phi}$1.32±.13; $M_{r\theta}$-1.65±.09; $M_{\theta\phi}$-1.23±.08; $M_{\phi r}$1.45±.11; Best double couple: NP1:ϕ_s311.00000°,δ26.00000°,λ-90.00000°. NP2:ϕ_s131.00000°,δ64.00000°,λ-90.00000°. Principal axes: T 3.4800,Plg19.0000° ,Azm221.0000°; N 0.2500,Plg0.0000°,Azm311.0000°; P -3.7300,Plg71.0000°,Azm41.0000° M_o3.60000×10^{16}

(272) Seram

ISC	**V**	**23 18 22 16.2–1.1**	**3.3S–.10**	**128.46E–.06**	**10**		**13 0-64**
DJA	V	23 18 22 10.6–.60	4S–6.0	128E–3.0	101–5	6.0b,5.6	**¶13679482**
ISCJB	V	23 18 22 14.5–.68	3.21S–.07	128.43E–.05	10	3.1b,5.6	
IDC	V	23 18 22 16.4–2.2	3.30S	128.41E	0	3.5,3.3	

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.2km az=29.7.
IDC Error ellipse: s-maj=180.4km s-min=26.7km az=68.0.

(177) Kermadec Islands region

ISC	**V**	**24 00 58 03.9–.49**	**31.50S–.03**	**177.65W–.04**	**17–2**	**5.8s,5.6b**	**929 2-174**
BJI	V	24 00 58 00.2	31.08S	176.92W	10	6.1b,5.8s	**¶15154883**
IDC	V	24 00 58 01.7–.34	31.26S	177.71W	0	5.7,5.6	
NEIC	V	24 00 58 02.1–.15	31.48S	177.68W	4	6.0W,5.9s	
ISCJB	V	24 00 58 02.4–.14	31.62S–.03	177.71W–.03	16	5.8s,5.5b	
MOS	V	24 00 58 06.6–1.2	31.17S	177.87W	33	5.7s,5.7b	
GCMT	V	24 00 58 07.9–.10	31.41S	177.30W	14–0	5.8W,5.7b	
SZGRF	V	24 00 58 07.3	30.69S	176.17W	33	6.1b,5.7b	
AUST	V	24 00 58 08.0	31.95S	177.62W	35	6.1b,5.7b	
DJA	V	24 00 58 17.9–2.7	31S–8.0	178W–12	135–23	6.0b,5.7	

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s10.00000°,δ78.00000° ,λ83.00000°. NP2:ϕ_s220.00000°,δ14.00000°,λ120.00000°. Principal axes: T 1.0000,Plg56.0000°,Azm270.0000°; N 0.1200,Plg6.0000°,Azm11.0000° ; P -1.1300,Plg32.0000°,Azm105.0000° M_o1.10000×10^{18}
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=238, per= 50. Moment Tensor Solution. s92,c192; s70,c80; Moment tensor: Scale 10^{17}Nm; M_{rr}3.62±.05 $M_{\theta\theta}$-0.17±.04; $M_{\phi\phi}$-3.45±.04; $M_{r\theta}$1.05±.09; $M_{\theta\phi}$-1.20±.03; $M_{\phi r}$4.36±.14; Best double couple: NP1:ϕ_s202.00000°,δ20.00000°,λ97.00000°. NP2:ϕ_s15.00000°,δ70.00000°,λ87.00000°. Principal axes: T 5.7300,Plg65.0000°,Azm280.0000°; N 0.2100,Plg2.0000°,Azm15.0000° ; P -5.9400,Plg25.0000°,Azm107.0000° M_o5.80000×10^{17}
SZGRF Kermadec Islands region.

(249) Luzon

ISC	**V**	**24 01 06 27.5–.58**	**15.05N–.03**	**119.77E–.05**	**40–5**	**5.2b,4.9s**	**309 1-173**
DJA	V	24 01 06 10.5–.30	13N–4.0	122E–3.0	10	5.7b,5.3b	**¶13439769**
IDC	V	24 01 06 20.6–.35	14.88N	119.82E	0	5.0,5.0	
MAN	V	24 01 06 24	15.13N	119.77E	1	5.7b,5.2s	
MOS	V	24 01 06 25.8–1.3	14.90N	119.79E	48	5.2b,5.0s	
BJI	V	24 01 06 26.5	14.94N	119.62E	43	5.1s,5.1b	
ISCJB	V	24 01 06 27.9–.40	14.93N–.02	119.82E–.03	64–3	5.1b,5.1b	
GCMT	V	24 01 06 27.8–.20	15.13N	119.63E	22–0	5.4W,5.1b	
NEIC	V	24 01 06 28.6–.57	14.85N	119.80E	58–5	5.2b,5.1b	

ISC Event type fe.
IDC Error ellipse: s-maj=16.3km s-min=9.6km az=77.0.
MAN Event type fe. INTENSITY III - IBA ZAMBALES; SUBIC OLONGAPO; INTENSITY II - QUEZON CITY; ORTIGAS.
MOS Error ellipse: s-maj=10.1km s-min=5.6km az=111.4.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.2km az=170.1.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c92; s85,c130; Moment tensor: Scale 10^{17}Nm; M_{rr}1.04±.05 $M_{\theta\theta}$0.13±.03; $M_{\phi\phi}$-1.17±.03; $M_{r\theta}$-0.53±.06; $M_{\theta\phi}$-0.15±.02; $M_{\phi r}$-0.66±.05; Best double couple: NP1:ϕ_s347.00000°,δ32.00000°,λ56.00000°. NP2:ϕ_s205.00000°,δ64.00000°,λ109.00000°. Principal axes: T 1.4000,Plg66.0000° ,Azm149.0000°; N 0.0100,Plg17.0000°,Azm17.0000°; P -1.4100,Plg17.0000°,Azm282.0000° M_o1.40000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.9km az=84.0. Felt [III PIVS] at Iba, Olongapo and Subic; [II PIVS] at Makati, Pasig and Quezon City. Felt [III] at Manila. Also felt at Angeles and Batangas.

(177) Kermadec Islands region

ISC	**V**	**24 02 00 14.0–.44**	**31.40S–.04**	**177.56W–.05**	**16–2**	**5.2b,5.0s**	**494 2-173**
BJI	V	24 02 00 11.1	31.24S	177.44W	8	5.9b,5.4s	**¶12861539**
ISCJB	V	24 02 00 11.2–1.8	31.53S–.03	177.68W–.05	6–11	5.2b,5.0s	
IDC	V	24 02 00 11.6–.36	31.31S	177.54W	0	5.0,5.0	
NEIC	V	24 02 00 13.3–.15	31.41S	177.62W	10	5.2b,5.0	
MOS	V	24 02 00 16.3–1.4	31.27S	177.63W	33	5.4b,5.0	
GCMT	V	24 02 00 17.9–.20	31.32S	177.30W	13–0	5.3W,5.0	

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=32.5.
IDC Error ellipse: s-maj=13.8km s-min=12.7km az=22.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=148.0.
MOS Error ellipse: s-maj=10.8km s-min=8.5km az=80.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c75; s92,c166; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s195.00000°,δ23.00000°,λ88.00000°. NP2:ϕ_s17.00000° ,δ67.00000°,λ91.00000°. Principal axes: T 1.1300,Plg68.0000°,Azm289.0000° ; N 0.0800,Plg1.0000°,Azm197.0000°; P -1.2000,Plg22.0000°,Azm106.0000° M_o1.20000×10^{17}

(177) Kermadec Islands region

ISC	**V**	**24 03 21 49.9–.48**	**31.42S–.05**	**177.66W–.06**	**14–2**	**5.1b,4.6s**	**374 2-173**
ISCJB	V	24 03 21 48.7–2.2	31.37S–.06	177.76W–.05	11–13	5.1b,4.6s	**¶15154882**
BJI	V	24 03 21 48.6	31.25S	177.66W	13	5.7b,5.3s	
IDC	V	24 03 21 49.9–2.5	31.24S	177.82W	10–14	4.8,4.8	
NEIC	V	24 03 21 49.5–.18	31.36S	177.75W	10	5.1b,4.8	
MOS	V	24 03 21 52.4–1.1	31.30S	177.81W	33	5.3b,4.8	
GCMT	V	24 03 21 53.8–.30	31.38S	177.36W	14–1	5.0W,4.8	
AUST	V	24 03 22 04.5	32.00S	178.20W	100	5.0W,4.8	
DJA	V	24 03 22 17.8–5.2	32S–15	179W–22	215–46	5.0,5.0b	

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s34,c42; s65,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}3.06±.22 $M_{\theta\theta}$0.27±.15; $M_{\phi\phi}$-3.33±.15; $M_{r\theta}$-0.52±.39; $M_{\theta\phi}$-1.47±.10; $M_{\phi r}$2.16±.33; Best double couple: NP1:ϕ_s221.00000°,δ35.00000°,λ125.00000°. NP2:ϕ_s1.00000°,δ62.00000°,λ69.00000°. Principal axes: T 3.9700,Plg66.0000° ,Azm232.0000°; N 0.3700,Plg19.0000°,Azm11.0000°; P -4.3400,Plg15.0000°,Azm106.0000° M_o4.20000×10^{16}

(435) Southeast Indian Ridge

ISC	**V**	**24 06 49 24.2–.36**	**42.21S–.05**	**88.23E–.07**	**15–1**	**5.2s,4.8b**	**201 25-179**
BJI	V	24 06 49 20.1	42.10S	88.30E	10	5.6s,5.3	**¶12861548**
IDC	V	24 06 49 21.6–.44	42.11S	88.37E	0	5.1s,5.1	
MOS	V	24 06 49 21.3–1.4	42.14S	88.34E	10	5.3s,5.3b	
ISCJB	V	24 06 49 22.0–.27	42.10S–.05	88.31E–.08	14	5.2s,4.8b	
NEIC	V	24 06 49 23.4–.26	42.08S	88.35E	10	5.5W,5.2b	
GCMT	V	24 06 49 28.1–.10	41.93S	88.30E	13	5.6W,5.2b	
DJA	V	24 06 49 33.0–5.3	42S–9.0	88E–8.0	70–50	5.0,5.0b	

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12 $M_{\theta\theta}$2.30 $M_{\phi\phi}$-2.18 $M_{r\theta}$-0.50 $M_{\theta\phi}$0.06 $M_{\phi r}$-0.13 Best double couple: NP1:ϕ_s315.00000° ,δ80.00000°,λ5.00000°. NP2:ϕ_s224.00000°,δ85.00000°,λ169.00000°. Principal axes: T 2.4000,Plg11.0000°,Azm178.0000°; N -0.2200,Plg78.0000°,Azm17.0000° ; P -2.1900,Plg3.0000°,Azm269.0000° M_o2.30000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=218, per= 50. Moment Tensor Solution. s96,c173; s65,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43±.03 $M_{\theta\theta}$3.64±.04; $M_{\phi\phi}$-3.21±.04; $M_{r\theta}$0.27±.08; $M_{\theta\phi}$-0.03±.03; $M_{\phi r}$0.03±.08; Best double couple: NP1:ϕ_s135.00000°,δ87.00000°,λ2.00000°. NP2:ϕ_s45.00000°,δ88.00000°,λ177.00000°. Principal axes: T 3.6600,Plg4.0000°,Azm0.0000°; N -0.4500,Plg86.0000°,Azm190.0000° ; P -3.2100,Plg1.0000°,Azm90.0000° M_o3.40000×10^{17}

(694) Central East Pacific Rise

ISC	**V**	**24 09 57 12.9–.31**	**4.05S–.06**	**103.99W–.06**	**18**	**5.1b,5.1s**	**334 14-168**
IDC	V	24 09 57 09.8–.49	4.00S	104.04W	0	5.0s,5.0	**¶12861557**
MOS	V	24 09 57 10.6–1.1	3.96S	103.88W	10	5.2b,5.0	
ISCJB	V	24 09 57 11.6–.24	3.98S–.04	103.92W–.04	18	5.1s,5.0b	
NEIC	V	24 09 57 11.1–.20	4.05S	103.97W	6	5.5W,5.1b	
BJI	V	24 09 57 12.0	4.00S	103.90W	10	5.6s,5.3b	
GCMT	V	24 09 57 16.5–.10	4.00S	103.88W	22–0	5.6W,5.3b	

ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=11.5km az=59.0.
MOS Error ellipse: s-maj=14.3km s-min=5.7km az=99.6.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.6km az=152.3.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.6km az=60.0. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-0.63 $M_{r\theta}$-0.09 $M_{\theta\phi}$2.15 $M_{\phi r}$0.17 Best double couple: NP1:ϕ_s97.00000°,δ86.00000°,λ-2.00000°. NP2:ϕ_s187.00000° ,δ88.00000°,λ-176.00000°. Principal axes: T 2.0900,Plg0.0000°,Azm321.0000° ; N 0.2500,Plg85.0000°,Azm218.0000°; P -2.3400,Plg4.0000°,Azm51.0000° M_o2.20000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=222, per= 50. Moment Tensor Solution. s91,c170; s57,c66; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.55±.04 $M_{\theta\theta}$1.34±.04; $M_{\phi\phi}$-0.79±.04; $M_{r\theta}$0.44±.08; $M_{\theta\phi}$3.16±.04; $M_{\phi r}$-0.03±.08; Best double couple: NP1:ϕ_s9.00000°,δ82.00000°,λ-179.00000°. NP2:ϕ_s279.00000°,δ89.00000°,λ-8.00000°. Principal axes: T 3.6400,Plg5.0000°,Azm325.0000°; N -0.5500,Plg82.0000°,Azm91.0000° ; P -3.0900,Plg6.0000°,Azm234.0000° M_o3.40000×10^{17}

(383) Northwestern Balkan Peninsula

ISC	**V**	**24 16 17 51.6–.25**	**41.30N–.01**	**22.70E–.01**	**13–1**	**5.2b,4.9s**	**1879 0-161**
BGS	V	24 16 17 39.5–1.6	40.64N	23.72E	5	5.3b,5.0s	**¶13469839**
BJI	V	24 16 17 46.0	41.14N	22.38E	10	5.3s,5.3b	
ISCJB	V	24 16 17 49.5–.22	41.348N–.01	22.706E–.01	10–1	5.1b,5.0s	
SOF	V	24 16 17 49.8	41.32N	22.74E	5	4.3,5.0s	
BEO	V	24 16 17 49.3–.61	41.21N	22.75E	11–2	5.2L,5.0s	
MOS	V	24 16 17 49.8–1.1	41.36N	22.65E	16	5.4b,5.0s	
IDC	V	24 16 17 49.7–.38	41.33N	22.71E	0	5.0,4.9	
NEIC	V	24 16 17 50.8	41.30N	22.71E	0	5.5L,5.3W	
SKO	V	24 16 17 50.1	41.25N	22.72E	15	4.9L,4.6	
THE	V	24 16 17 50.7	41.30N	22.72E	0–3	5.0L,4.6	
PDG	V	24 16 17 50.2–.97	41.30N	22.74E	9–1	5.0,4.9L	
CSEM	V	24 16 17 50.6–.05	41.32N	22.67E	5	5.3W,5.1b	
ATH	V	24 16 17 50.5	41.28N	22.74E	23–0	5.1L,5.1b	
PRU	V	24 16 17 51.5	41.33N	22.80E	4	5.2,5.1b	
SFS	V	24 16 17 51.0	41.32N	22.64E	10	5.4L,5.1b	
SZGRF	V	24 16 17 52.8	41.30N	22.65E	10	5.4L,5.1b	
GCMT	V	24 16 17 53.6–.20	41.17N	22.79E	13	5.3W,5.1b	
DJA	V	24 16 17 58.1–3.4	41N–13	23E–18	42–25	5.7b,5.2	

ISC Event type de.
ISCJB Event type de.
BEO Event type ke.
NEIC Event type de. Dozens of houses damaged in the Valandovo area. Felt [V] at Bogdanci and Strumica, [IV] at Gevgelija and [II] at Skopje. Also felt at Bitola, Dojran, Gostivar, Kavadarci and Prilep. Felt [III] at Sofia and [II] at Plovdiv, Bulgaria. Also felt at Blagoevgrad, Bukhovo, Ikhtiman, Kyustendil, Pernik and Sandanski. Felt at Mitrovica, Kosovo and at Kilkis and Thessaloniki, Greece. After THE. Moment Tensor Solution. s43 Moment tensor: Scale 10^{17} Nm; M_{rr}-1.05 $M_{\theta\theta}$1.14 $M_{\phi\phi}$-0.08 $M_{r\theta}$0.31 $M_{\theta\phi}$0.07 $M_{\phi r}$-0.27 Best double couple: NP1: ϕ_s72.00000°,δ39.00000°,λ-113.00000°. NP2:ϕ_s281.00000°,δ54.00000°,λ-72.00000°. Principal axes: T 1.1800,Plg7.0000°,Azm358.0000°; N -0.0100,Plg14.0000°,Azm90.0000° ; P -1.1600,Plg73.0000°,Azm240.0000° M_o1.20000×10^{17}
THE Event type ke.
PDG Event type ke.
CSEM Event type ke.
SFS Event type ke.
SZGRF Northwestern Balkan Peninsula.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=191, per= 50. Moment Tensor Solution. s77,c113; s12,c12; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.92±.02 $M_{\theta\theta}$1.04±.02; $M_{\phi\phi}$-0.12±.02; $M_{r\theta}$0.20±.04; $M_{\theta\phi}$0.15±.01; $M_{\phi r}$-0.39±.05; Best double couple: NP1:ϕ_s62.00000°,δ45.00000°,λ-123.00000°. NP2:ϕ_s285.00000°,δ54.00000°,λ-61.00000°. Principal axes: T 1.0700,Plg5.0000°,Azm355.0000°; N 0.0400,Plg23.0000°,Azm86.0000° ; P -1.1000,Plg67.0000°,Azm254.0000° M_o1.10000×10^{17}

(659) North Korea

ISC	**V**	**25 00 54 42.9–.26**	**41.30N–.03**	**129.07E–.03**	**0**	**4.7b,3.9s**	**436**	**2-165**
ISCJB	V	25 00 54 41.2–.14	41.27N–.02	129.03E–.03	0	4.8b,3.8s		**¶13439778**
BYKL	V	25 00 54 41.0	41.29N	129.07E	0	4.8b,3.8s		
MOS	V	25 00 54 41.2–1.0	41.29N	129.04E	0	4.8b,3.7s		
IDC	V	25 00 54 42.8–.32	41.31N	129.05E	0	4.6,4.6		
NEIC	V	25 00 54 43.1–.11	41.30N	129.04E	0	4.7b,4.6		
BJI	V	25 00 54 43.1	41.30N	129.00E	0	4.8L,4.8b		

ISC Event type kn.
ISCJB Event type fn. Error ellipse: s-maj=3.0km s-min=2.5km az=41.5.
MOS Error ellipse: s-maj=6.8km s-min=4.6km az=105.0. Moment Tensor Solution.
IDC Error ellipse: s-maj=9.6km s-min=8.8km az=104.0.
NEIC Event type fn. Error ellipse: s-maj=3.0km s-min=2.7km az=130.0. Underground nuclear explosion. Nuclear explosion.

(135) Near coast of central Chile

ISC	**V**	**25 05 10 13.1–.38**	**28.54S–.03**	**71.46W–.05**	**47–3**	**5.4b,4.6s**	**545**	**1-178**
MOS	V	25 05 10 11.1–1.0	28.32S	71.36W	33	5.5b,4.6s		**¶12861955**
ISCJB	V	25 05 10 11.5–.57	28.50S–.02	71.29W–.05	45–5	5.4b,4.6s		
GUC	V	25 05 10 12.5–.82	28.55S	71.46W	50–56	5.4L,4.6s		
BJI	V	25 05 10 13.5	28.50S	71.30W	45	5.3s,5.2		
IDC	V	25 05 10 13.5–.55	28.52S	71.30W	49–4	4.9,4.9b		
NEIC	V	25 05 10 13.5–.12	28.52S	71.32W	49	5.4b,4.9b		
GCMT	V	25 05 10 14.5–.20	28.69S	71.65W	56–1	5.3W,4.9b		

ISC Event type fe.
MOS Error ellipse: s-maj=15.0km s-min=5.9km az=104.3.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.7km az=178.4.
GUC Error ellipse: s-maj=1.9km s-min=8.3km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=11.0km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.0km az=74.0. Felt [II] at Copiapo, Coquimbo, Freirina, Huasco, La Serena and Vallenar. Also felt at Maquina Atacama and Ovalle.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c104; s86,c138; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s192.00000°,δ20.00000°,λ-84.00000°. NP2:ϕ_s5.00000° ,δ70.00000°,λ-92.00000°. Principal axes: T 0.9600,Plg25.0000°,Azm97.0000° ; N 0.1000,Plg2.0000°,Azm6.0000°; P -1.0600,Plg65.0000°,Azm271.0000° M_o1.00000×10^{17}

(717) Afghanistan-Tajikistan border region

ISC	**V**	**25 15 18 57.4–.43**	**38.86N–.04**	**70.62E–.03**	**41–4**	**4.5b,3.9s**	**319**	**4-150**
IDC	V	25 15 18 51.0–.50	38.68N	70.63E	0	4.4,4.3L		**¶12863052**
NNC	V	25 15 18 50.9–1.4	38.65N	70.22E	0	5.0,4.8b		
TEH	V	25 15 18 53.9	38.99N	70.72E	10	4.6L,4.8b		
BJI	V	25 15 18 54.9	39.01N	70.52E	39	4.8b,4.6b		
ISCJB	V	25 15 18 55.6–.48	38.75N–.02	70.59E–.03	42–5	4.4b,3.9s		
MOS	V	25 15 18 58.0–.97	38.86N	70.64E	63	4.9b,3.9s		
NEIC	V	25 15 18 58.9–.70	38.86N	70.65E	56–6	4.7b,3.9s		

ISC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=9.2km az=160.0.
NNC Error ellipse: s-maj=10.9km s-min=8.4km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.6km az=26.8.
MOS Error ellipse: s-maj=5.7km s-min=4.5km az=85.1.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=182.0.

(425) South Indian Ocean

ISC	**V**	**26 01 18 55.5–.39**	**34.81S–.06**	**54.33E–.06**	**15–1**	**5.1b,4.8s**	**393**	**14-173**
BJI	V	26 01 18 52.6	34.80S	54.50E	10	5.3b,5.1s		**¶12862823**
IDC	V	26 01 18 53.0–.41	34.77S	54.50E	0	4.5L,4.5s		
MOS	V	26 01 18 53.4–1.1	34.80S	54.51E	10	5.3b,4.9s		
NEIC	V	26 01 18 54.7–.20	34.79S	54.53E	10	5.2b,4.9s		
ISCJB	V	26 01 18 54.2–.26	34.84S–.06	54.48E–.07	15	4.9b,4.7s		
GCMT	V	26 01 18 56.6–.40	34.76S	54.34E	19–1	5.1W,4.7s		
DJA	V	26 01 19 04.8–.80	35S–17	54E–9.0	125	5.8b,5.3		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s28,c29; s66,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.37±.37 $M_{\theta\theta}$4.69±.27; $M_{\phi\phi}$0.69±.24; $M_{r\theta}$0.01±.54; $M_{\theta\phi}$-0.49±.16; $M_{\phi r}$1.43±.66; Best double couple: NP1:ϕ_s265.00000°,δ45.00000°,λ-108.00000°. NP2:ϕ_s109.00000°,δ47.00000°,λ-73.00000°. Principal axes: T 4.7500,Plg1.0000° ,Azm187.0000°; N 0.9500,Plg13.0000°,Azm277.0000°; P -5.6900,Plg77.0000°,Azm93.0000° M_o5.20000×10^{16}

(192) New Britain region

ISC	**V**	**26 05 31 21.7–.29**	**6.87S–.04**	**150.39E–.05**	**26**	**5.0b,4.1s**	**245**	**3-155**
BJI	V	26 05 31 17.3	7.01S	150.95E	32	5.1b,4.9s		**¶15155519**
ISCJB	V	26 05 31 19.2–.21	6.81S–.03	150.36E–.04	26	4.9b,4.2s		
MOS	V	26 05 31 20.1–1.1	6.74S	150.32E	33	5.0b,4.2s		
AUST	V	26 05 31 22.6–.34	6.85S	150.48E	41–0	5.0b,4.2s		
NEIC	V	26 05 31 22.0–.18	6.75S	150.31E	35	5.0b,4.2s		
IDC	V	26 05 31 23.1–.52	6.76S	150.29E	42–4	4.6,4.6		
GCMT	V	26 05 31 25.1–.30	6.90S	150.56E	12–1	4.9W,4.6		
DJA	V	26 05 31 28.1–2.5	7S–13	150E–15	90–15	5.6b,5.4		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: G IC II IU CN. Moment Tensor Solution. s19,c22; s69,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.59±.17 $M_{\theta\theta}$2.22±.12; $M_{\phi\phi}$-0.63±.10; $M_{r\theta}$1.35±.32; $M_{\theta\phi}$1.26±.09; $M_{\phi r}$-1.27±.38; Best double couple: NP1:ϕ_s37.00000°,δ47.00000°,λ-147.00000°. NP2:ϕ_s283.00000°,δ67.00000°,λ-48.00000°. Principal axes: T 2.8700,Plg12.0000° ,Azm344.0000°; N 0.2300,Plg38.0000°,Azm84.0000°; P -3.1000,Plg50.0000°,Azm240.0000° M_o3.00000×10^{16}

(174) Tonga Islands region

ISC	**V**	**27 02 08 45.6–.35**	**19.34S–.05**	**172.74W–.05**	**34–1**	**5.1b,4.6s**	**607**	**5-176**
DJA	V	27 02 08 40.5–.40	19S–10	173W–5.0	15	5.9b,5.6		**¶15155536**
AUST	V	27 02 08 40.7–26	18.89S	172.87W	0–0	5.9b,5.6		
ISCJB	V	27 02 08 44.1–.16	19.32S–.04	172.76W–.03	37	5.1b,4.6s		
GCMT	V	27 02 08 45.1–.10	19.32S	172.37W	12	5.2W,4.6s		
SZGRF	V	27 02 08 45.2	19.38S	172.19W	33	5.2W,4.6s		
BJI	V	27 02 08 45.9	19.20S	172.80W	37	5.4b,5.2b		
NEIC	V	27 02 08 45.8–.13	19.22S	172.79W	38	5.1b,5.2b		
MOS	V	27 02 08 47.2–1.3	19.09S	172.79W	56	5.3b,4.8s		
IDC	V	27 02 08 47.4–2.4	19.30S	172.81W	55–20	4.8L,4.7		

ISC Event type se.
AUST Error ellipse: s-maj=2.1km s-min=1.3km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.7km az=151.4.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s59,c84; s92,c157; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.66±.14 $M_{\theta\theta}$-1.38±.15; $M_{\phi\phi}$8.04±.11; $M_{r\theta}$-0.58±.41; $M_{\theta\phi}$0.16±.12; $M_{\phi r}$2.03±.31; Best double couple: NP1:ϕ_s8.00000°,δ38.00000°,λ-80.00000°. NP2:ϕ_s175.00000°,δ53.00000°,λ-98.00000°. Principal axes: T 8.3200,Plg8.0000° ,Azm270.0000°; N -1.3200,Plg6.0000°,Azm180.0000°; P -7.0000,Plg80.0000°,Azm52.0000° M_o7.70000×10^{16}
SZGRF Tonga Islands region.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=142.0.
MOS Error ellipse: s-maj=10.6km s-min=8.3km az=136.2.
IDC Error ellipse: s-maj=15.1km s-min=9.6km az=150.0.

(731) North of Honduras

ISC	**V**	**28 08 24 48.0–.14**	**16.81N–.02**	**86.22W–.02**	**29**	**7.1s,6.6b**	**1473**	**3-175**
CASC	V	28 08 24 41.3–1.3	16.85N	86.40W	0–17	6.7b,6.6L		**¶12867661**
IDC	V	28 08 24 43.8–.42	16.83N	86.11W	0	7.1,7.0s		
MOS	V	28 08 24 43.3–1.2	16.71N	86.30W	10	7.1s,6.8b		
BJI	V	28 08 24 45.3	16.70N	86.20W	10	7.6s,7.4		
TEH	V	28 08 24 46.0	16.78N	86.17W	10	7.1L,7.4		
ISCJB	V	28 08 24 46.2–.10	16.74N–.02	86.27W–.01	29	7.1s,6.5b		
NEIC	V	28 08 24 46.6–.12	16.73N	86.22W	19	8.1,7.3W		
BGS	V	28 08 24 47.5–3.1	17.51N	85.70W	10–999	6.9s,7.3W		
SZGRF	V	28 08 24 49.7	17.64N	85.29W	33	7.1s,6.5b		
GCMT	V	28 08 25 04.8–.10	16.50N	87.17W	12	7.3W,6.5b		

ISC Event type de.
CASC Error ellipse: s-maj=37.7km s-min=12.0km az=-1.0.
IDC Error ellipse: s-maj=16.7km s-min=10.2km az=64.0.
MOS Error ellipse: s-maj=10.1km s-min=4.8km az=121.7.
ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=1.9km az=34.6.
NEIC Event type de. Error ellipse: s-maj=3.2km s-min=2.2km az=41.0. At least 7 people killed, 40 injured and more than 130 buildings damaged or destroyed in northern Honduras, including the Islas de la Bahia. The central span of a major bridge at El Progreso was destroyed. Felt [VII] at El Progreso, Jose Santos Guardiola, La Lima, Omoa, Puerto Cortes and Utila; [VI] at French Harbor, La Ceiba, Roatan, Sambo Creek, San Pedro Sula, Sandy Bay and Tela; [V] at Arizona, Guanaja, Mateo, Santa Rosa de Copan, Siguatepeque, Tocoa and Villanueva. At least 5 buildings destroyed and 25 damaged in Belize. Felt [VI] at Dangriga; [V] at Belize City, Benque Viejo and Punta Gorda; [IV] at Belmopan, San Ignacio and San Pedro. Felt [V] at Colon and [IV] at Antiguo Cuscatlan, Mejicanos, San Miguel and San Salvador, El Salvador. Felt [VI] at Livingston and Puerto Barrios; [V] at Villa Canales; [IV] at Antigua Guatemala, Chichicastenango, Chimaltenango, Chiquimula, Coban, Fraijanes, Guatemala, Mixco and Villa Nueva, Guatemala. Felt [III] at Carmen, Chetumal, Merida and Villahermosa; [II] at Cancun and Mexico, Mexico. Also felt [II] at Havana, Cuba. Felt in much of Honduras and throughout Belize, El Salvador and Guatemala. Also felt in The Bahamas, Cayman Islands and Virgin Islands and in parts of Colombia, Costa Rica, Cuba, Jamaica, Mexico, Nicaragua and Panama. Seiches were reported in swimming pools at La Ceiba and Roatan, Honduras. Ground cracks and possible liquefaction were observed at Monkey River, Belize. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s340.00000°,δ88.00000°,λ175.00000°. NP2:ϕ_s70.00000°,δ85.00000°,λ2.00000°. Principal axes: T Plg5.0000°,Azm295.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000° ,Azm25.0000° Moment Tensor Solution. M_o8.00000×10^{19}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF North of Honduras.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 120 sta. Surface waves: sta= 80, comp=157, per= 50. Moment Tensor Solution. s84,c163; s99,c295; Moment tensor: Scale 10^{20}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s63.00000°,δ60.00000° ,λ-7.00000°. NP2:ϕ_s156.00000°,δ84.00000°,λ-150.00000°. Principal axes: T 1.2000,Plg16.0000°,Azm286.0000°; N 0.1600,Plg59.0000°,Azm166.0000° ; P -1.3700,Plg25.0000°,Azm24.0000° M_o1.30000×10^{20}

(192) New Britain region

ISC	**V**	**28 10 59 50.7–.40**	**5.01S–.04**	**151.39E–.05**	**51–2**	**5.1s,4.9b**	**209**	**1-149**
IDC	V	28 10 59 43.1–.49	4.95S	151.22E	0	4.9,4.9s		**¶15155546**
ISCJB	V	28 10 59 46.9–.78	5.00S–.03	151.34E–.04	33–7	5.0s,5.0b		
MOS	V	28 10 59 47.2–1.1	4.96S	151.23E	36	5.4b,5.0b		
AUST	V	28 10 59 48.2	4.72S	151.58E	60	5.4b,5.0b		
BJI	V	28 10 59 48.9	5.10S	151.20E	48	5.3s,5.3b		
NEIC	V	28 10 59 50.7–1.1	5.03S	151.23E	53–11	5.2b,5.3b		
DJA	V	28 11 00 01.4–2.5	5S–12	151E–17	92–16	5.7b,5.2		

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

(279) Flores Sea

ISC	**V**	**28 20 35 55.8–.44**	**7.86S–.03**	**120.45E–.04**	**43–4**	**4.5b**	**166**	**2-155**
DJA	V	28 20 35 52.1–.20	8S–2.0	120E–2.0	10	5.6b,5.1		**¶15155560**
ISCJB	V	28 20 35 54.2–.39	7.84S–.02	120.42E–.03	41–4	4.5b,3.6s		
AUST	V	28 20 35 54.1	8.00S	120.48E	20	4.5b,3.6s		
NEIC	V	28 20 35 55.5–.63	7.87S	120.39E	41–6	4.6b,3.6s		
IDC	V	28 20 35 56.1–.54	7.89S	120.33E	43–4	4.3,4.3L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.5km az=160.7.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.6km az=62.0.
IDC Error ellipse: s-maj=19.6km s-min=10.5km az=71.0.

(54) Off coast of Jalisco

ISC	**V**	**28 21 32 25.3–.63**	**18.43N–.05**	**106.19W–.05**	**10**	**4.8s,4.7b**	**138**	**2-128**
MEX	V	28 21 32 23.2–.55	18.22N	106.33W	16–35	4.9,4.7b		**¶12868605**
BJI	V	28 21 32 24.7	18.20N	106.40W	10	5.6b,5.1s		
ISCJB	V	28 21 32 25.9–.54	18.58N–.05	106.24W–.04	10	4.7s,4.5b		
NEIC	V	28 21 32 27.0–.79	18.54N	106.24W	10	4.9,4.7b		
IDC	V	28 21 32 26.1–1.1	18.58N	106.38W	0	4.7,4.6		
GCMT	V	28 21 32 27.6–.20	18.62N	106.46W	16–1	5.3W,4.6		

ISC Event type se.
MEX Error ellipse: s-maj=30.6km s-min=12.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=155.6.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.9km az=196.0.
IDC Error ellipse: s-maj=34.7km s-min=14.8km az=61.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s56,c84; s93,c160; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87±.22 $M_{\theta\theta}$-5.09±.20; $M_{\phi\phi}$5.96±.24; $M_{r\theta}$-1.09±.54; $M_{\theta\phi}$-7.90±.18; $M_{\phi r}$0.43±.58; Best double couple: NP1:ϕ_s17.00000°,δ83.00000°,λ0.00000°. NP2:ϕ_s108.00000°,δ90.00000°,λ-173.00000°. Principal axes: T 10.2000,Plg5.0000° ,Azm242.0000°; N -0.9000,Plg83.0000°,Azm111.0000°; P -9.3000,Plg5.0000° ,Azm333.0000° M_o9.70000×10^{16}

(280) Banda Sea

ISC	**V**	**29 00 58 37.3–.25**	**3.91S–.03**	**127.53E–.03**	**50–1**	**5.8b,4.8s**	**1204**	**1-163**
BJI	V	29 00 58 29.6	4.58S	128.03E	53	5.7b,5.6b		**¶15155569**
MOS	V	29 00 58 34.7–.96	3.78S	127.42E	33	6.0b,5.6b		
ISCJB	V	29 00 58 35.5–.33	3.84S–.02	127.59E–.02	46–3	5.8b,4.8s		
IDC	V	29 00 58 35.6–1.5	3.90S	127.40E	33–10	5.5,5.5		
AUST	V	29 00 58 36.6–.50	3.96S	127.60E	34–0	5.5,5.5		
NEIC	V	29 00 58 36.4–.53	3.91S	127.46E	41–4	5.8b,5.5		
GCMT	V	29 00 58 36.2–.10	3.88S	127.57E	16–0	5.4W,5.5		
DJA	V	29 00 58 36.8–.30	4S–2.0	128E–1.0	28–3	6.1b,5.8b		
TEH	V	29 00 58 38.0	3.86S	127.54E	56	5.7L,5.8b		

ISC Event type fe.
MOS Error ellipse: s-maj=9.4km s-min=4.7km az=113.3.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.8km az=142.2.
IDC Error ellipse: s-maj=15.0km s-min=8.9km az=71.0.
AUST Error ellipse: s-maj=0.5km s-min=0.4km az=29.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=62.0. Felt [IV] on Ambon.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=214, per= 50. Moment Tensor Solution. s93,c157; s2,c3; Moment tensor: Scale 10^{17}Nm; M_{rr}1.84±.03 $M_{\theta\theta}$-1.72±.02; $M_{\phi\phi}$-0.11±.02; $M_{r\theta}$0.37±.06; $M_{\theta\phi}$0.15±.02; $M_{\phi r}$0.21±.07; Best double couple: NP1:ϕ_s282.00000°,δ40.00000°,λ100.00000°. NP2:ϕ_s88.00000°,δ51.00000°,λ81.00000°. Principal axes: T 1.9000,Plg81.0000°,Azm314.0000°; N -0.1300,Plg7.0000°,Azm94.0000° ; P -1.7700,Plg6.0000°,Azm184.0000° M_o1.80000×10^{17}

(54) Off coast of Jalisco

ISC	**V**	**29 01 04 39.3–.46**	**18.60N–.05**	**106.43W–.04**	**10**	**5.0b,5.0s**	**254**	**2-158**
BJI	V	29 01 04 36.3	18.30N	106.70W	10	5.9b,5.7b		**¶12868610**
ISCJB	V	29 01 04 37.9–.36	18.55N–.04	106.35W–.02	10	5.0s,4.8b		
IDC	V	29 01 04 38.9–.76	18.80N	106.95W	0	4.9,4.9s		
NEIC	V	29 01 04 38.4–.48	18.37N	106.54W	11	5.3W,5.3		
MEX	V	29 01 04 39.4–2.4	18.69N	106.55W	13–14	5.3,5.3		
GCMT	V	29 01 04 41.7–.20	18.67N	106.64W	15–0	5.5W,5.3		
MOS	V	29 01 04 42.5–1.5	18.68N	106.59W	33	5.2b,4.7s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=2.3km az=25.3.
IDC Error ellipse: s-maj=27.9km s-min=13.8km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=3.7km az=212.0. Felt at Armeria. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s100.00000°,δ54.00000°,λ-173.00000°. NP2: ϕ_s6.00000°,δ85.00000°,λ-36.00000°. Principal axes: T 1.0800,Plg20.0000°,Azm58.0000° ; N -0.1000,Plg53.0000°,Azm179.0000°; P -0.9900,Plg28.0000°,Azm317.0000° M_o1.00000×10^{17}
MEX Error ellipse: s-maj=8.3km s-min=9.1km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 95, comp=181, per= 50. Moment Tensor Solution. s81,c124; s4,c4; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.03 $M_{\theta\theta}$-0.91±.03; $M_{\phi\phi}$0.92±.03; $M_{r\theta}$-0.43±.09; $M_{\theta\phi}$-1.61±.03; $M_{\phi r}$0.21±.09; Best double couple: NP1:ϕ_s15.00000°,δ76.00000°,λ2.00000°. NP2:ϕ_s285.00000°,δ88.00000°,λ166.00000°. Principal axes: T 1.9400,Plg12.0000°,Azm239.0000°; N -0.0600,Plg76.0000°,Azm95.0000° ; P -1.8800,Plg8.0000°,Azm331.0000° M_o1.90000×10^{17}
MOS Error ellipse: s-maj=11.5km s-min=5.1km az=94.1.

(257) Negros

ISC	**V**	**29 01 15 01.5–.34**	**9.11N–.03**	**122.05E–.04**	**37**	**4.5b,4.4s**	**167**	**1-147**
IDC	V	29 01 14 56.2–.55	9.14N	122.06E	0	4.4s,4.4		**¶13077410**
MAN	V	29 01 14 58	9.19N	121.90E	32	5.5b,4.8s		
ISCJB	V	29 01 15 00.1–.23	9.12N–.03	122.03E–.03	37	4.4b,4.4s		
NEIC	V	29 01 15 02.0–.80	9.17N	121.99E	37–7	4.6b,4.4s		
DJA	V	29 01 15 05.9–4.0	9N–7.0	121E–5.0	12–29	6.5b,6.3		

ISC Event type se.
ISCJB Event type se.

NEIC Event type se.

(186) Vanuatu Islands

ISC	**V**	**29 06 20 16.4–.32**	**17.08S–.04**	**168.49E–.04**	**27–1**	**5.5s,5.4b**	**538**	**5-168**
NOU	V	29 06 20 10.1–1.9	16.57S	168.62E	30	4.2,3.4L		**¶15246573**
IDC	V	29 06 20 11.7–.47	16.99S	168.46E	0	5.3,5.3s		
ISCJB	V	29 06 20 12.4–1.8	17.04S–.03	168.32E–.03	8–11	5.5s,5.2b		
BJI	V	29 06 20 14.4	17.00S	168.40E	30	5.6s,5.6b		
NEIC	V	29 06 20 14.6–.17	17.03S	168.33E	13	5.6W,5.5b		
MOS	V	29 06 20 16.5–1.3	16.96S	168.25E	33	5.5s,5.4b		
AUST	V	29 06 20 17.0–4.1	17.14S	168.41E	17–0	5.5s,5.4b		
GCMT	V	29 06 20 17.6–.10	16.90S	168.42E	12	5.7W,5.4b		
DJA	V	29 06 21 04.3–4.3	18S–13	166E–30	319–36	5.4b,4.9		

ISC Event type de.
ISCJB Event type de.
NEIC Event type de. Ten people injured, several buildings damaged or destroyed, several roads damaged, water utilities disrupted and landslides occurred on Tongoa. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13 $M_{\theta\theta}$2.54 $M_{\phi\phi}$-2.68 $M_{r\theta}$0.39 $M_{\theta\phi}$-1.58 $M_{\phi r}$-0.88 Best double couple: NP1:ϕ_s61.00000°,δ73.00000°,λ-180.00000°. NP2:ϕ_s331.00000°,δ90.00000°,λ-17.00000°. Principal axes: T 3.1100,Plg12.0000°,Azm17.0000° ; N 0.1700,Plg72.0000°,Azm149.0000°; P -3.2900,Plg12.0000°,Azm284.0000° $M_0$3.20000×10^{17}

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=123, comp=263, per= 50. Moment Tensor Solution. s107,c209; s39,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45±.04 $M_{\theta\theta}$3.34±.04; $M_{\phi\phi}$-2.89±.04; $M_{r\theta}$1.00±.11; $M_{\theta\phi}$-2.84±.04; $M_{\phi r}$0.97±.11; Best double couple: NP1:ϕ_s155.00000°,δ72.00000°,λ-8.00000°. NP2:ϕ_s247.00000°,δ82.00000°,λ-162.00000°. Principal axes: T 4.5100,Plg7.0000°,Azm20.0000°; N -0.1100,Plg71.0000°,Azm270.0000° ; P -4.4000,Plg18.0000°,Azm112.0000° $M_0$4.50000×10^{17}

(684) Southern East Pacific Rise

ISC	**V**	**29 15 26 25.5–.21**	**43.64S–.07**	**107.38W–.06**	**10**	**5.5b,5.2s**	**730**	**27-179**
MOS	V	29 15 26 24.9–1.1	43.62S	107.48W	10	5.6b,5.1s		**¶12868652**
ISCJB	V	29 15 26 24.4–.23	43.72S–.05	107.18W–.08	10	5.4b,5.1s		
IDC	V	29 15 26 24.3–.39	43.68S	107.50W	0	5.1,5.1		
NEIC	V	29 15 26 25.4–.15	43.79S	107.18W	10	5.6b,5.1		
GCMT	V	29 15 26 27.7–.10	43.78S	107.45W	12	5.4W,5.1		
BJI	V	29 15 26 28.5	43.10S	107.30W	23	5.5b,5.4s		

ISC Event type se.
MOS Error ellipse: s-maj=17.0km s-min=8.8km az=79.4.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.8km az=13.5.
IDC Error ellipse: s-maj=16.1km s-min=13.2km az=136.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.5km az=105.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 97, comp=185, per= 50. Moment Tensor Solution. s88,c151; s44,c45; Moment tensor: Scale 10^{17}Nm; M_{rr}1.43±.02 $M_{\theta\theta}$-0.02±.02; $M_{\phi\phi}$-1.40±.02; $M_{r\theta}$-0.26±.05; $M_{\theta\phi}$0.11±.02; $M_{\phi r}$0.99±.05; Best double couple: NP1:ϕ_s181.00000°,δ27.00000°,λ100.00000°. NP2:ϕ_s349.00000°,δ63.00000°,λ85.00000°. Principal axes: T 1.7700,Plg72.0000°,Azm247.0000°; N -0.0300,Plg5.0000°,Azm352.0000° ; P -1.7400,Plg18.0000°,Azm83.0000° $M_0$1.80000×10^{17}

(266) Northern Molucca Sea

ISC	**V**	**29 19 12 32.5–.29**	**0.97N–.03**	**126.19E–.03**	**33–1**	**5.2b,4.3s**	**470**	**1-159**
BJI	V	29 19 12 27.9	0.59N	126.14E	32	5.1b,5.0b		**¶12869545**
ISCJB	V	29 19 12 30.9–.18	1.02N–.02	126.25E–.03	31	5.2b,4.4s		
IDC	V	29 19 12 30.6–3.1	0.91N	126.01E	17–18	4.9,4.9		
MOS	V	29 19 12 31.1–1.2	0.97N	126.10E	33	5.4b,4.2s		
NEIC	V	29 19 12 32.5–.20	0.96N	126.11E	35	5.2b,4.2s		
DJA	V	29 19 12 36.3–.30	1N–3.0	126E–2.0	52–4	5.5,5.5b		
GCMT	V	29 19 12 38.2–.20	1.10N	126.23E	38–0	5.3W,5.5b		
NSSC	V	29 19 13 04.2–.63	3.10N	119.18E	0–999	5.3W,5.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=12.3.
IDC Error ellipse: s-maj=18.7km s-min=8.1km az=77.0.
MOS Error ellipse: s-maj=11.3km s-min=5.5km az=111.7.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.8km az=75.0. Felt at Manado, Indonesia.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c95; s88,c149; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s86.00000°,δ51.00000°,λ25.00000°. NP2:ϕ_s340.00000° ,δ71.00000°,λ138.00000°. Principal axes: T 1.0800,Plg42.0000°,Azm295.0000° ; N -0.0500,Plg45.0000°,Azm139.0000°; P -1.0300,Plg12.0000°,Azm37.0000° $M_0$1.10000×10^{17}

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

(192) New Britain region

ISC	**V**	**29 23 48 03.3–.40**	**6.21S–.04**	**151.12E–.06**	**43–2**	**4.8b,4.4s**	**275**	**5-151**
IDC	V	29 23 47 56.5–.44	6.14S	151.19E	0	4.7,4.7		**¶12869559**
BJI	V	29 23 48 00.1	6.42S	151.46E	50	5.1b,4.9s		
MOS	V	29 23 48 00.6–1.1	6.14S	151.01E	33	5.1b,4.3s		
NEIC	V	29 23 48 01.7–.24	6.17S	151.09E	35	5.0b,4.3s		
ISCJB	V	29 23 48 01.6–.27	6.23S–.04	151.07E–.05	44	4.7b,4.4s		
GCMT	V	29 23 48 05.3–.20	6.44S	151.14E	18–0	5.2W,4.4s		
DJA	V	29 23 48 10.4–1.3	6S–6.0	151E–10	93–12	5.7b,5.2		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c80; s79,c128; Moment tensor: Scale 10^{16}Nm; M_{rr}4.45±.18 $M_{\theta\theta}$-4.92±.13; $M_{\phi\phi}$0.47±.12; $M_{r\theta}$4.81±.36; $M_{\theta\phi}$-0.78±.09; $M_{\phi r}$1.60±.33; Best double couple: NP1:ϕ_s271.00000°,δ22.00000°,λ106.00000°. NP2:ϕ_s74.00000°,δ69.00000°,λ83.00000°. Principal axes: T 6.7000,Plg66.0000° ,Azm333.0000°; N 0.4800,Plg6.0000°,Azm76.0000°; P -7.1900,Plg23.0000°,Azm169.0000° $M_0$7.00000×10^{16}

(704) Nicobar Islands region

ISC	**V**	**30 01 55 10.4–.45**	**10.00N–.05**	**93.40E–.05**	**25–2**	**4.5b,3.8s**	**212**	**5-146**
BJI	V	30 01 55 04.6	9.66N	93.20E	26	4.9b,4.6b		**¶13193194**
IDC	V	30 01 55 06.3–.54	10.12N	93.58E	0	4.3,4.2		
ISCJB	V	30 01 55 08.6–1.4	10.01N–.04	93.51E–.04	25–9	4.5b,3.7s		
NEIC	V	30 01 55 10.4–.25	10.02N	93.54E	27	4.5b,3.7s		
DJA	V	30 01 55 15.2–1.3	10N–4.0	94E–19	10	5.4b,4.8		

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

(153) South Sandwich Islands region

ISC	**V**	**30 06 47 55.7–.32**	**60.49S–.07**	**26.81W–.06**	**19**	**5.2s,4.9b**	**129**	**13-172**
IDC	V	30 06 47 52.2–.49	60.43S	26.08W	0	5.2,5.2s		**¶12869573**
ISCJB	V	30 06 47 54.2–.41	60.49S–.06	26.5W–.10	19	5.2s,4.8b		
NEIC	V	30 06 47 54.0–.36	60.42S	26.11W	10	5.2s,5.1b		
BJI	V	30 06 47 58.7	60.80S	26.40W	35	5.5s,5.5b		
GCMT	V	30 06 47 58.0–.10	60.75S	27.43W	12	5.5W,5.5b		

ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=13.4km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.5km az=153.6.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=11.8km az=74.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=212, per= 50. Moment Tensor Solution. s87,c140; s41,c41; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.02 $M_{\theta\theta}$-0.01±.03; $M_{\phi\phi}$0.17±.02; $M_{r\theta}$-0.65±.06; $M_{\theta\phi}$-1.80±.02; $M_{\phi r}$0.16±.05; Best double couple: NP1:ϕ_s2.00000°,δ70.00000°,λ1.00000°. NP2:ϕ_s272.00000°,δ89.00000°,λ160.00000°. Principal axes: T 2.0300,Plg15.0000°,Azm225.0000°; N -0.2200,Plg70.0000°,Azm88.0000° ; P -1.8100,Plg13.0000°,Azm318.0000° $M_0$1.90000×10^{17}

(192) New Britain region

ISC	**V**	**30 19 56 44.6–.27**	**6.65S–.03**	**150.00E–.04**	**45–1**	**5.1b,4.8s**	**859**	**3-155**
IDC	V	30 19 56 37.8–.34	6.52S	150.00E	0	4.9,4.9		**¶15155601**
AUST	V	30 19 56 42.1	6.67S	150.14E	25	4.9,4.9		
BJI	V	30 19 56 42.6	6.38S	150.31E	46	5.1b,5.0b		
ISCJB	V	30 19 56 42.9–.15	6.60S–.02	149.90E–.03	44	5.1b,4.8s		
MOS	V	30 19 56 42.8–1.2	6.48S	149.79E	33	5.4b,5.0s		
NEIC	V	30 19 56 43.7–.76	6.54S	149.89E	37–6	5.2b,5.0s		
GCMT	V	30 19 56 45.2–.10	6.77S	150.03E	17–0	5.3W,5.0s		
DJA	V	30 19 56 55.8–2.4	7S–13	150E–15	94–16	5.7,5.4b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s80,c120; s97,c184; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s30.00000°,δ61.00000°,λ172.00000°. NP2:ϕ_s124.00000° ,δ83.00000°,λ30.00000°. Principal axes: T 1.0700,Plg26.0000°,Azm351.0000° ; N 0.1400,Plg60.0000°,Azm136.0000°; P -1.2100,Plg15.0000°,Azm253.0000° $M_0$1.10000×10^{17}

(268) Sulawesi

ISC	**V**	**31 08 14 06.9–1.8**	**2.89S–.04**	**119.79E–.07**	**0–13**	**4.0b,3.1s**	**20**	**1-61**
IDC	V	31 08 14 06.5–1.0	2.83S	119.82E	0	4.1,4.0		**¶13680026**
DJA	V	31 08 14 09.4–.30	3S–4.0	120E–4.0	15	6.0b,5.7		

ISC Event type ke.

(221) Kuril Islands

ISC	**VI**	**01 21 22 23.7–.44**	**46.26N–.05**	**153.15E–.04**	**30–1**	**4.8b,4.5s**	**638**	**4-152**
NIED	VI	01 21 22 00	46.50N	153.20E	5	4.9W,4.5s		**¶13439862**
IDC	VI	01 21 22 19.4–.56	46.32N	153.09E	0	4.6,4.5		
JMA	VI	01 21 22 20.9–.70	46.54N	153.15E	30	4.8,4.5		
BJI	VI	01 21 22 20.8	46.47N	153.26E	29	5.0b,4.7b		
NEIC	VI	01 21 22 21.6–1.6	46.30N	152.98E	13–10	5.0b,4.7b		
KRSC	VI	01 21 22 21.2–2.4	46.13N	154.88E	10–10	5.0L,4.7b		
MOS	VI	01 21 22 21.8–1.1	46.43N	152.97E	22	5.0b,4.6s		
SKHL	VI	01 21 22 22.9–2.5	46.01N	153.58E	65–14	5.6s,5.5b		
ISCJB	VI	01 21 22 24.0–.21	46.41N–.04	153.00E–.03	38	4.7b,4.5s		
GCMT	VI	01 21 22 25.8–.30	46.28N	153.24E	19–0	4.9W,4.5s		
SZGRF	VI	01 21 22 36.1	47.93N	153.61E	50	4.9b,4.4s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s217.00000°,δ85.00000°,λ122.00000°. NP2:ϕ_s314.00000°,δ32.00000°,λ9.00000°. $M_0$2.56000×10^{16}
IDC Error ellipse: s-maj=17.8km s-min=11.1km az=160.0.
JMA Error ellipse: s-maj=10.0km s-min=7.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=2.7km az=162.0.
KRSC Event type se.
MOS Error ellipse: s-maj=6.9km s-min=4.2km az=97.6.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=2.2km az=151.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c43; s66,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}2.47±.14 $M_{\theta\theta}$-0.07±.11; $M_{\phi\phi}$-2.40±.10; $M_{r\theta}$-1.03±.25; $M_{\theta\phi}$-1.10±.07; $M_{\phi r}$1.29±.18; Best double couple: NP1:ϕ_s225.00000°,δ42.00000°,λ129.00000°. NP2:ϕ_s357.00000°,δ59.00000°,λ61.00000°. Principal axes: T 3.2800,Plg63.0000° ,Azm217.0000°; N -0.3100,Plg25.0000°,Azm13.0000°; P -2.9800,Plg10.0000° ,Azm108.0000° $M_0$3.10000×10^{16}
SZGRF Kuril Islands, Russia.

(186) Vanuatu Islands

ISC	**VI**	**02 02 17 06.0–.21**	**17.81S–.03**	**168.01E–.04**	**32**	**6.2s,5.6b**	**1102**	**4-168**
SZGRF	VI	02 02 16 57.9	20.31S	169.69E	33	6.3b,5.6b		**¶13439868**
BGS	VI	02 02 16 59.0–7.5	17.76S	167.95E	10	6.1s,5.6b		
IDC	VI	02 02 17 01.0–.34	17.80S	167.93E	0	6.1,6.1s		
BJI	VI	02 02 17 01.9	17.52S	168.38E	18	6.3s,6.2b		
LDG	VI	02 02 17 02.8–.10	17.63S	167.68E	10	6.1s,5.9b		
NEIC	VI	02 02 17 03.5–.10	17.76S	167.95E	15	6.3W,6.2s		
ISCJB	VI	02 02 17 04.8–.14	17.78S–.02	167.90E–.03	32	6.2s,5.5b		
MOS	VI	02 02 17 06.6–1.0	17.54S	167.88E	37	6.1s,5.5b		
TEH	VI	02 02 17 07.0	17.76S	167.88E	40	6.5L,5.5b		
GCMT	VI	02 02 17 11.8–.10	17.73S	167.64E	20–0	6.3W,5.5b		
DJA	VI	02 02 17 13.1–1.5	18S–4.0	168E–9.0	85–15	6.3b,6.0		

ISC Event type de.
SZGRF Vanuatu Islands.
LDG Event type ke.
NEIC Event type de. Four people injured, some buildings damaged, utilities disrupted and landslides occurred on Tongoa. Felt [III] at Port-Vila. Also felt at Lakatoro, Luganville and Norsup. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s165.00000°,δ75.00000°,λ90.00000°. NP2:ϕ_s345.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm75.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000° ,Azm255.0000° Moment Tensor Solution. $M_0$6.50000×10^{18}
ISCJB Event type de.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 110 sta. Surface waves: sta=126, comp=305, per= 50. Moment Tensor Solution. s121,c309; s99,c207; Moment tensor: Scale 10^{18}Nm; M_{rr}2.85±.02 $M_{\theta\theta}$0.21±.02; $M_{\phi\phi}$-3.06±.02; $M_{r\theta}$0.98±.04; $M_{\theta\phi}$0.35±.01; $M_{\phi r}$-2.76±.04; Best double couple: NP1:ϕ_s5.00000°,δ24.00000°,λ109.00000°. NP2:ϕ_s164.00000°,δ67.00000°,λ82.00000°. Principal axes: T 4.1000,Plg67.0000° ,Azm60.0000°; N 0.1600,Plg7.0000°,Azm167.0000°; P -4.2600,Plg22.0000°,Azm260.0000° $M_0$4.20000×10^{18}

(186) Vanuatu Islands

ISC	**VI**	**02 02 26 56.2–.36**	**17.90S–.04**	**167.97E–.05**	**35–1**	**5.7s,5.4b**	**504**	**4-166**
SZGRF	VI	02 02 26 48.0	20.38S	169.52E	33	5.7s,5.4b		**¶16066189**
IDC	VI	02 02 26 50.8–.41	17.79S	167.85E	0	5.7s,5.7		
NEIC	VI	02 02 26 53.4–1.5	17.76S	167.86E	15–9	5.5b,5.7		
ISCJB	VI	02 02 26 54.0–2.4	17.86S–.04	167.84E–.04	30–16	5.6s,5.3b		
BJI	VI	02 02 26 54.4	17.36S	168.55E	29	6.0s,5.8b		
MOS	VI	02 02 26 54.4–1.5	17.75S	167.69E	28	5.8s,5.7b		
TEH	VI	02 02 26 57.0	17.76S	167.80E	35	5.6L,5.7b		
GCMT	VI	02 02 27 00.7–.20	17.74S	167.62E	18–1	5.7W,5.7b		

ISC Event type se.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=13.9km s-min=12.3km az=112.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.6km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=6.1km az=35.3.
MOS Error ellipse: s-maj=9.2km s-min=8.2km az=32.2.
GCMT Event type se. Data Used: IU II CN IC G. Moment Tensor Solution. s12,c12; s88,c163; Moment tensor: Scale 10^{17}Nm; M_{rr}2.50±.21 $M_{\theta\theta}$0.17±.11; $M_{\phi\phi}$-2.66±.13; $M_{r\theta}$1.38±.35; $M_{\theta\phi}$0.19±.06; $M_{\phi r}$-2.87±.35; Best double couple: NP1:ϕ_s12.00000°,δ22.00000°,λ121.00000°. NP2:ϕ_s160.00000°,δ71.00000°,λ78.00000°. Principal axes: T 4.1400,Plg62.0000° ,Azm52.0000°; N -0.0600,Plg11.0000°,Azm163.0000°; P -4.0700,Plg25.0000° ,Azm259.0000° $M_0$4.10000×10^{17}

(186) Vanuatu Islands

ISC	**VI**	**02 02 55 14.9–.43**	**17.86S–.05**	**167.94E–.06**	**35–2**	**5.1s,5.0b**	**404**	**4-166**
SZGRF	VI	02 02 55 05.8	20.97S	169.43E	33	5.1s,5.0b		**¶13439871**
IDC	VI	02 02 55 09.5–.41	17.85S	167.98E	0	5.0,5.0s		
ISCJB	VI	02 02 55 11.0–2.8	17.83S–.05	167.87E–.05	16–19	5.1s,4.9b		
DJA	VI	02 02 55 11.5–.60	18S–8.0	170E–13	10	5.6,5.6b		
MOS	VI	02 02 55 13.3–1.3	17.77S	167.84E	30	5.3b,5.6b		
NEIC	VI	02 02 55 14.8–1.5	17.78S	167.89E	34–10	5.1b,5.6b		
BJI	VI	02 02 55 15.9	17.70S	167.80E	35	5.6s,5.2		
GCMT	VI	02 02 55 17.9–.30	17.77S	167.57E	28–1	5.5W,5.2		

ISC Event type fe.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=15.8km s-min=13.2km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=7.6km az=150.8.
MOS Error ellipse: s-maj=9.8km s-min=8.7km az=175.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.5km az=149.0. Felt at Lakatoro and Port-Vila.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s27,c41; s62,c99; Moment tensor: Scale 10^{17}Nm; M_{rr}1.46±.10 $M_{\theta\theta}$0.14±.06; $M_{\phi\phi}$-1.61±.07; $M_{r\theta}$0.50±.13; $M_{\theta\phi}$0.29±.04; $M_{\phi r}$-1.43±.10; Best double couple: NP1:ϕ_s360.00000°,δ24.00000°,λ105.00000°. NP2:ϕ_s163.00000°,δ67.00000°,λ84.00000°. Principal axes: T 2.0900,Plg67.0000° ,Azm62.0000°; N 0.1600,Plg6.0000°,Azm166.0000°; P -2.2600,Plg22.0000°,Azm258.0000° $M_0$2.20000×10^{17}

(742) Western Indian-Antarctic Ridge

ISC	**VI**	**03 18 54 40.8–.34**	**50.09S–.04**	**120.75E–.06**	**15–1**	**5.4b,5.2s**	**522**	**17-170**
BJI	VI	03 18 54 33.1	50.74S	120.60E	5	6.0b,5.6b		**¶14931232**
ISCJB	VI	03 18 54 38.5–.24	50.02S–.04	120.74E–.08	10	5.4b,5.2s		
MOS	VI	03 18 54 38.7–1.4	49.97S	120.67E	10	5.6b,5.0s		
NEIC	VI	03 18 54 38.4–.14	50.01S	120.59E	3	5.7W,5.6W		
IDC	VI	03 18 54 38.4–.38	49.99S	120.59E	0	5.2,5.2		
GCMT	VI	03 18 54 42.6–.10	49.96S	120.80E	14–0	5.6W,5.2		
DJA	VI	03 18 54 47.7–1.1	50S–3.0	121E–4.0	55–11	6.0b,5.9		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.75 $M_{\theta\theta}$4.19 $M_{\phi\phi}$0.56 $M_{r\theta}$1.17 $M_{\theta\phi}$0.40 $M_{\phi r}$1.79 Best double couple: NP1:ϕ_s247.00000° ,δ56.00000°,λ-108.00000°. NP2:ϕ_s97.00000°,δ38.00000°,λ-66.00000°. Principal axes: T 4.4500,Plg9.0000°,Azm349.0000°; N 0.9600,Plg14.0000°,Azm257.0000° ; P -5.4000,Plg72.0000°,Azm110.0000° $M_0$5.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta= 98, comp=215, per= 50. Moment Tensor Solution. s94,c172; s66,c76; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.06±.04 $M_{\theta\theta}$2.91±.03; $M_{\phi\phi}$0.16±.03; $M_{r\theta}$-1.58±.08; $M_{\theta\phi}$-1.16±.02; $M_{\phi r}$0.67±.07; Best double couple: NP1:ϕ_s288.00000°,δ31.00000°,λ-93.00000°. NP2:ϕ_s112.00000°,δ59.00000°,λ-88.00000°. Principal axes: T 3.7700,Plg14.0000°,Azm200.0000°; N -0.2600,Plg1.0000°,Azm291.0000° ; P -3.4900,Plg76.0000°,Azm26.0000° $M_0$3.60000×10^{17}

(53) Revilla Gigedo Islands region

ISC	**VI**	**03 21 37 38.3–.74**	**19.68N–.04**	**109.18W–.04**	**13–3**	**5.1s,5.1b**	**378**	**4-168**
ISCJB	VI	03 21 37 35.4–.96	19.50N–.03	109.12W–.02	7–5	5.1s,5.0b		**¶16100910**
BJI	VI	03 21 37 35.1	19.60N	109.20W	5	5.7b,5.7b		
NEIC	VI	03 21 37 37.3–.34	19.55N	109.17W	6	5.6,5.5W		
MOS	VI	03 21 37 37.1–.92	19.67N	109.18W	10	5.4b,5.1s		
MEX	VI	03 21 37 37.6–.45	19.72N	109.21W	8–22	5.6,5.1s		
IDC	VI	03 21 37 38.2–.59	19.86N	109.22W	0	5.1,5.1s		
GCMT	VI	03 21 37 43.1–.10	19.91N	109.22W	15	5.6W,5.1s		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.4km az=25.7.

NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.8km az=213.0. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43 $M_{\theta\theta}$-1.64 $M_{\phi\phi}$2.08 $M_{r\theta}$0.00 $M_{\theta\phi}$-0.15 $M_{\phi r}$-0.77 Best double couple: NP1:ϕ_s224.00000°,δ80.00000°,λ13.00000°. NP2:ϕ_s132.00000° ,δ78.00000°,λ170.00000°. Principal axes: T 2.3000,Plg15.0000°,Azm87.0000° ; N -0.6500,Plg74.0000°,Azm260.0000°; P -1.6500,Plg1.0000°,Azm357.0000° M_o2.00000×10^{17}

MOS Error ellipse: s-maj=8.6km s-min=4.3km az=94.7.

MEX Error ellipse: s-maj=10.7km s-min=16.8km az=-1.0.

IDC Error ellipse: s-maj=22.3km s-min=11.3km az=60.0.

GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=105, comp=212, per= 50. Moment Tensor Solution. s87,c153; s52,c58; Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.03 $M_{\theta\theta}$-2.65±.02; $M_{\phi\phi}$2.63±.03; $M_{r\theta}$0.44±.08; $M_{\theta\phi}$0.13±.02; $M_{\phi r}$-0.23±.08; Best double couple: NP1:ϕ_s226.00000°,δ80.00000°,λ-3.00000°. NP2:ϕ_s317.00000°,δ87.00000°,λ-170.00000°. Principal axes: T 2.6500,Plg5.0000°,Azm91.0000°; N 0.0700,Plg80.0000°,Azm334.0000° ; P -2.7300,Plg9.0000°,Azm182.0000° M_o2.70000×10^{17}

(207) Eastern New Guinea region

ISC	**VI**	**04 01 03 43.9–.30**	**6.02S–.03**	**146.59E–.04**	**53–2**	**5.2b,4.8s**	**419**	**3-154**
BJI	VI	04 01 03 36.3	6.28S	147.21E	43	5.3b,5.1b		**¶12895857**
MOS	VI	04 01 03 40.4–.91	5.95S	146.44E	36	5.4b,4.6s		
IDC	VI	04 01 03 40.4–1.9	5.96S	146.58E	24–11	4.9,4.9		
ISCJB	VI	04 01 03 42.0–.77	6.03S–.03	146.62E–.03	52–7	5.2b,4.8s		
NEIC	VI	04 01 03 44.2–.85	6.03S	146.52E	58–8	5.3b,4.8s		
GCMT	VI	04 01 03 46.4–.10	6.21S	146.54E	41–0	5.4W,4.8s		
DJA	VI	04 01 03 47.2–.50	6S–3.0	147E–4.0	71–5	6.2,5.9		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt at Goroka and Lae.

GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s86,c149; s91,c162; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s252.00000°,δ30.00000°,λ40.00000°. NP2:ϕ_s127.00000° ,δ71.00000°,λ114.00000°. Principal axes: T 1.3200,Plg57.0000°,Azm68.0000° ; N 0.0800,Plg23.0000°,Azm299.0000°; P -1.4000,Plg23.0000°,Azm199.0000° M_o1.40000×10^{17}

(186) Vanuatu Islands

ISC	**VI**	**04 17 10 06.1–.34**	**17.76S–.04**	**167.78E–.05**	**20–2**	**5.2b,5.1s**	**523**	**4-166**
SZGRF	VI	04 17 10 00.4	20.62S	169.32E	33	5.2b,5.1s		**¶13439910**
IDC	VI	04 17 10 03.0–.45	17.71S	167.81E	0	4.9,4.9		
NEIC	VI	04 17 10 03.7–3.0	17.74S	167.76E	6–18	5.5W,5.2b		
BJI	VI	04 17 10 04.5	17.35S	167.89E	13	5.4b,5.3s		
ISCJB	VI	04 17 10 04.1–1.7	17.77S–.03	167.74E–.05	15–10	5.2s,5.1b		
NOU	VI	04 17 10 06.3–1.2	17.70S	168.21E	30	4.1,3.5L		
MOS	VI	04 17 10 07.9–1.5	17.57S	167.56E	33	5.6s,5.5b		
DJA	VI	04 17 10 11.3–1.6	18S–5.0	168E–7.0	41–14	5.5b,5.3		
GCMT	VI	04 17 10 11.0–.20	17.61S	167.60E	19–0	5.6W,5.3		

ISC Event type fe.

SZGRF Vanuatu Islands.

IDC Error ellipse: s-maj=17.3km s-min=13.0km az=104.0.

NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=6.4km az=177.0. Felt [III] at Port-Vila. Moment Tension Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.41 $M_{\theta\phi}$0.05 $M_{\phi r}$-2.18 Best double couple: NP1:ϕ_s356.00000°,δ12.00000°,λ96.00000°. NP2:ϕ_s170.00000°,δ78.00000°,λ89.00000°. Principal axes: T 2.5500,Plg56.0000° ,Azm78.0000°; N -0.2700,Plg1.0000°,Azm170.0000°; P -2.2800,Plg33.0000°,Azm260.0000° M_o2.40000×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=4.9km az=10.2.

NOU Error ellipse: s-maj=20.0km s-min=52.8km az=-1.0.

MOS Error ellipse: s-maj=9.8km s-min=8.4km az=114.8.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 92, comp=154, per= 50. Moment Tension Solution. s76,c134; s34,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}1.96±.04 $M_{\theta\theta}$0.00±.03; $M_{\phi\phi}$-1.96±.03; $M_{r\theta}$1.11±.08; $M_{\theta\phi}$0.36±.03; $M_{\phi r}$-1.45±.08; Best double couple: NP1:ϕ_s5.00000°,δ27.00000°,λ120.00000°. NP2:ϕ_s152.00000°,δ67.00000°,λ76.00000°. Principal axes: T 2.7700,Plg65.0000°,Azm37.0000°; N -0.1400,Plg13.0000°,Azm158.0000° ; P -2.6300,Plg20.0000°,Azm253.0000° M_o2.70000×10^{17}

(431) Prince Edward Islands region

ISC	**VI**	**04 17 25 24.9–.50**	**45.83S–.04**	**35.02E–.05**	**12–2**	**5.7s,5.4b**	**652**	**14-164**
BJI	VI	04 17 25 22.7	45.32S	34.43E	15	6.0s,5.9b		**¶12920682**
IDC	VI	04 17 25 22.8–.34	45.89S	35.13E	0	5.5s,5.5		
MOS	VI	04 17 25 23.4–.87	45.80S	35.24E	10	5.7s,5.6b		
ISCJB	VI	04 17 25 23.5–.19	45.83S–.04	35.16E–.07	10	5.6s,5.2b		
NEIC	VI	04 17 25 25.5–.17	45.83S	35.14E	16	6.0W,6.0W		
DJA	VI	04 17 25 29.4–.90	46S–4.0	35E–7.0	41–9	6.2,5.9b		
GCMT	VI	04 17 25 32.3–.10	45.56S	35.03E	20–0	6.0W,5.9b		

ISC Event type se.

IDC Error ellipse: s-maj=14.9km s-min=10.8km az=83.0.

MOS Error ellipse: s-maj=19.4km s-min=7.2km az=92.7.

ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.6km az=168.9.

NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.1km az=97.0. Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s21.00000°,δ82.00000°,λ170.00000°. NP2:ϕ_s113.00000° ,δ80.00000°,λ8.00000°. Principal axes: T 1.3000,Plg12.0000°,Azm336.0000° ; N -0.1100,Plg77.0000°,Azm163.0000°; P -1.2000,Plg1.0000°,Azm67.0000° M_o1.20000×10^{18}

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=239, per= 50. Moment Tensor Solution. s110,c217; s94,c146; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.35±.01 $M_{\theta\theta}$1.05±.01; $M_{\phi\phi}$-0.70±.01; $M_{r\theta}$-0.10±.02; $M_{\theta\phi}$1.13±.01; $M_{\phi r}$0.02±.02; Best double couple: NP1:ϕ_s199.00000°,δ85.00000°,λ-179.00000°. NP2:ϕ_s109.00000°,δ89.00000°,λ-5.00000°. Principal axes: T 1.6100,Plg3.0000°,Azm154.0000°; N -0.3500,Plg85.0000°,Azm277.0000° ; P -1.2600,Plg4.0000°,Azm64.0000° M_o1.40000×10^{18}

(224) Hokkaido region

ISC	**VI**	**05 03 30 33.4–.24**	**41.81N–.02**	**143.55E–.02**	**34–0**	**6.4s,6.0b**	**1966**	**0-162**
NIED	VI	05 03 30 00	41.70N	143.70E	29	6.4W,6.0b		**¶13195092**
IDC	VI	05 03 30 28.2–.31	41.81N	143.57E	0	6.3,6.3s		
BJI	VI	05 03 30 29.5	41.80N	143.70E	36	6.6s,6.5b		
MOS	VI	05 03 30 32.4–.79	41.79N	143.46E	36	6.4s,6.2b		
ISCJB	VI	05 03 30 33.1–.22	41.76N–.01	143.48E–.02	43–1	6.4s,6.0b		
JMA	VI	05 03 30 33.8–.10	41.81N	143.62E	31–2	6.4,6.0b		
NEIC	VI	05 03 30 33.1–.08	41.82N	143.45E	29	6.4W,6.3s		
SZGRF	VI	05 03 30 34.8	42.57N	144.21E	29	6.6s,6.2b		
TEH	VI	05 03 30 35.0	41.86N	143.40E	42	6.3L,6.2b		
DJA	VI	05 03 30 36.2–2.5	42N–12	144E–16	66–22	6.5b,6.3		
GCMT	VI	05 03 30 37.6–.10	41.70N	143.72E	32–0	6.3W,6.3		
NSSC	VI	05 03 30 38.3–2.5	40.19N	139.25E	5–999	6.3W,6.3		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ73.00000°,λ86.00000°. NP2:ϕ_s214.00000°,δ17.00000°,λ103.00000°. M_o4.11000×10^{18}

IDC Error ellipse: s-maj=8.2km s-min=7.5km az=157.0.

MOS Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=104.2. Felt (II) at Yuzhno-Kuril'sk. Moment Tension Solution.

ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=41.1.

JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s21.00000°,δ72.00000°,λ100.00000°. NP2: ϕ_s171.00000°,δ21.00000°,λ61.00000°. Principal axes: T Plg62.0000°,Azm307.0000° ; N Plg10.0000°,Azm198.0000°; P Plg26.0000°,Azm103.0000°

NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=151.0. Felt [II] at Sapporo. Also felt at Obihiro and Shiraoi. Felt [II] at Misawa, Honshu. Also felt at Goshogawara and Kizukuri. Felt [II] at Yuzhno-Kuril'sk, Kuril Islands. Recorded [4 JMA] in southern Hokkaido, [3 JMA] in southwestern Hokkaido, [2 JMA] in central and eastern Hokkaido and [1 JMA] in northern Hokkaido. Also recorded [3 JMA] in Aomori, [2 JMA] in Iwate and Miyagi and [1 JMA] in Akita, Honshu. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ80.00000°,λ90.00000°. NP2: ϕ_s210.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm300.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm120.0000° Moment Tensor Solution. s126 Moment tensor: Scale 10^{18}Nm; M_{rr}1.68 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-0.95 $M_{r\theta}$1.22 $M_{\theta\phi}$-0.65 $M_{\phi r}$2.42 Best double couple: NP1:ϕ_s29.00000°,δ75.00000°,λ85.00000°. NP2:ϕ_s228.00000° ,δ16.00000°,λ108.00000°. Principal axes: T 3.2600,Plg59.0000°,Azm291.0000° ; N -0.2400,Plg4.0000°,Azm30.0000°; P -3.0200,Plg29.0000°,Azm122.0000° M_o3.10000×10^{18} Moment Tensor Solution. M_o4.10000×10^{18} Moment Tensor Solution. M_o4.60000×10^{18}

SZGRF Hokkaido, Japan, region.

GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Surface waves: sta=117, comp=275, per= 50. Moment Tensor Solution. s113,c276; s98,c154; Moment tensor: Scale 10^{18}Nm; M_{rr}1.87±.02 $M_{\theta\theta}$-0.52±.01; $M_{\phi\phi}$-1.34±.02; $M_{r\theta}$1.69±.03; $M_{\theta\phi}$-1.20±.01; $M_{\phi r}$2.80±.05; Best double couple: NP1:ϕ_s221.00000°,δ16.00000°,λ99.00000°. NP2:ϕ_s32.00000°,δ74.00000°,λ87.00000°. Principal axes: T 3.6900,Plg61.0000° ,Azm298.0000°; N 0.3300,Plg3.0000°,Azm32.0000°; P -4.0100,Plg29.0000°,Azm124.0000° M_o3.90000×10^{18}

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

(186) Vanuatu Islands

ISC	**VI**	**05 21 16 60.0–.34**	**17.54S–.04**	**167.82E–.04**	**34–1**	**5.3s,5.2b**	**572**	**5-169**
IDC	VI	05 21 16 54.2–.37	17.48S	167.78E	0	5.1,5.1s		**¶13439937**
ISCJB	VI	05 21 16 55.4–1.5	17.50S–.03	167.67E–.04	15–10	5.3s,5.1b		
NEIC	VI	05 21 16 55.6–.17	17.43S	167.72E	7	5.7W,5.7W		
BGS	VI	05 21 16 56.0–3.6	17.43S	167.72E	10	5.4s,5.7W		
NOU	VI	05 21 16 57.2–.65	17.46S	168.23E	30	4.0,3.4s		
MOS	VI	05 21 16 59.2–1.4	17.35S	167.59E	33	5.5b,5.1s		
BJI	VI	05 21 17 01.4	16.92S	167.83E	41	5.3s,5.3b		
DJA	VI	05 21 17 02.7–2.3	17S–7.0	168E–10	70–27	5.5b,5.0		
GCMT	VI	05 21 17 02.4–.10	17.42S	167.60E	20–0	5.7W,5.0		

ISC Event type fe.

IDC Error ellipse: s-maj=12.7km s-min=10.9km az=135.0.

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.1km az=4.1.

NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.9km az=131.0. Felt [III] at Port-Vila. Also felt at Lakatoro. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}2.69 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-2.41 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.18 $M_{\phi r}$-2.91 Best double couple: NP1:ϕ_s351.00000° ,δ21.00000°,λ81.00000°. NP2:ϕ_s181.00000°,δ69.00000°,λ93.00000°. Principal axes: T 4.0200,Plg65.0000°,Azm96.0000°; N -0.2900,Plg3.0000°,Azm359.0000° ; P -3.7300,Plg24.0000°,Azm267.0000° M_o3.90000×10^{17}

BGS Error ellipse: s-maj=777.6km s-min=999.9km az=-1.0.

NOU Error ellipse: s-maj=15.7km s-min=39.6km az=-1.0.

MOS Error ellipse: s-maj=8.6km s-min=7.1km az=44.3.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=232, per= 50. Moment Tensor Solution. s107,c204; s65,c70; Moment tensor: Scale 10^{17}Nm; M_{rr}2.88±.04 $M_{\theta\theta}$0.13±.03; $M_{\phi\phi}$-3.01±.03; $M_{r\theta}$0.77±.06; $M_{\theta\phi}$0.37±.02; $M_{\phi r}$-2.24±.07; Best double couple: NP1:ϕ_s2.00000°,δ27.00000°,λ104.00000°. NP2:ϕ_s166.00000°,δ64.00000°,λ83.00000°. Principal axes: T 3.7400,Plg70.0000°,Azm61.0000°; N 0.1200,Plg6.0000°,Azm169.0000° ; P -3.8600,Plg19.0000°,Azm261.0000° M_o3.80000×10^{17}

(218) Near east coast of Kamchatka Peninsula

ISC	**VI**	**06 04 15 26.2–.22**	**54.55N–.02**	**161.65E–.02**	**41–1**	**5.2b,4.7s**	**1116**	**0-162**
DJA	VI	06 04 15 21.8–1.1	55N–12	162E–23	10	5.7b,5.3b		**¶13195283**
BJI	VI	06 04 15 21.3	54.83N	161.09E	7	4.9s,4.8b		
BGS	VI	06 04 15 23.5–2.0	54.18N	161.45E	34–999	5.1b,4.8b		
TEH	VI	06 04 15 23.0	54.67N	161.40E	10	5.2L,4.8b		
MOS	VI	06 04 15 26.5–.99	54.60N	161.58E	52	5.3b,4.7s		
NEIC	VI	06 04 15 26.3–.12	54.66N	161.45E	34	5.2b,4.7s		
IDC	VI	06 04 15 26.5–.42	54.67N	161.46E	35–3	4.8,4.8		
KRSC	VI	06 04 15 27.3–.40	54.53N	161.68E	40–20	5.3L,4.8		
ISCJB	VI	06 04 15 27.8–.24	54.58N–.02	161.53E–.03	66–2	5.0b,4.8		
SZGRF	VI	06 04 15 28.7	55.00N	162.25E	36	5.5b,4.3s		
GCMT	VI	06 04 15 32.2–.20	54.51N	162.06E	42–0	5.2W,4.3s		

ISC Event type fe.

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

MOS Event type fe. Error ellipse: s-maj=6.8km s-min=3.3km az=90.3. Felt (II-III)at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.

NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=169.0. Felt [III] at Petropavlovsk-Kamchatskiy.

IDC Error ellipse: s-maj=11.2km s-min=8.6km az=149.0.

KRSC Event type se.

ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=141.5.

SZGRF Near east coast of Kamchatka Peninsula, Russia.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s83,c125; s72,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}6.43±.19 $M_{\theta\theta}$-0.51±.15; $M_{\phi\phi}$-5.92±.15; $M_{r\theta}$2.79±.16; $M_{\theta\phi}$-3.65±.12; $M_{\phi r}$2.12±.15; Best double couple: NP1:ϕ_s192.00000°,δ35.00000°,λ67.00000°. NP2:ϕ_s40.00000°,δ58.00000°,λ105.00000°. Principal axes: T 7.4700,Plg72.0000° ,Azm347.0000°; N 0.9700,Plg13.0000°,Azm212.0000°; P -8.4300,Plg12.0000° ,Azm119.0000° M_o8.00000×10^{16}

(229) Off east coast of Honshu

ISC	**VI**	**06 05 52 42.7–.17**	**35.47N–.02**	**141.15E–.02**	**36–0**	**5.8b,5.5s**	**1072**	**0-166**
NIED	VI	06 05 52 00	35.60N	141.40E	38	5.8W,5.5s		**¶13195292**
IDC	VI	06 05 52 38.1–.34	35.52N	141.01E	0	5.3,5.3		
BGS	VI	06 05 52 38.6–1.9	34.54N	141.06E	33	5.6s,5.6b		
BJI	VI	06 05 52 41.5	35.52N	141.01E	44	5.5s,5.5b		
JMA	VI	06 05 52 41.0–.10	35.54N	141.26E	42–1	5.9,5.5b		
ISCJB	VI	06 05 52 42.4–.34	35.42N–.02	140.99E–.02	40–2	5.7b,5.5s		
NEIC	VI	06 05 52 43.3–.08	35.48N	140.91E	34	5.8b,5.8W		
SZGRF	VI	06 05 52 44.0	36.38N	141.94E	28	6.1b,5.5s		
MOS	VI	06 05 52 44.7–.88	35.59N	140.98E	54	5.9b,5.4s		
GCMT	VI	06 05 52 45.7–.10	35.44N	141.09E	28–0	5.8W,5.4s		
TEH	VI	06 05 52 45.0	35.44N	140.93E	44	5.9L,5.4s		
DJA	VI	06 05 52 52.6–3.6	35N–20	141E–10	76–27	6.1b,5.8b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ63.00000°,λ-67.00000°. NP2:ϕ_s259.00000°,δ35.00000°,λ-128.00000°. M_o5.48000×10^{17}

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s132.00000°,δ72.00000°,λ-69.00000°. NP2:ϕ_s261.00000°,δ28.00000°,λ-138.00000°. Principal axes: T Plg24.0000°,Azm206.0000°; N Plg20.0000°,Azm305.0000°; P Plg58.0000° ,Azm71.0000°

ISCJB Event type fe.

NEIC Event type fe. Felt [III] at Narita and [II] at Yokohama and Yokosuka. Also felt at Chiba, Inzai, Kawasaki, Kimitsu, Koshigaya, Miura, Mobara, Ryugasaki, Sagamihara, Tomisato, Yamato and Zama. Recorded [3 JMA] in Chiba and Ibaraki; [2 JMA] in Fukushima, Kanagawa, Miyagi, Saitama, Tochigi, Tokyo and Yamanashi; [1 JMA] in Gumma, Nagano, Niigata and Shizuoka. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ75.00000°,λ-90.00000°. NP2: ϕ_s315.00000°,δ15.00000°,λ-90.00000°. Principal axes: T Plg30.0000°,Azm225.0000° ; N Plg0.0000°,Azm0.0000°; P Plg60.0000°,Azm45.0000° Moment Tensor Solution. s77 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.94 $M_{\theta\theta}$3.07 $M_{\phi\phi}$-1.13 $M_{r\theta}$-1.40 $M_{\theta\phi}$-2.39 $M_{\phi r}$1.76 Best double couple: NP1:ϕ_s256.00000°,δ43.00000°,λ-153.00000°. NP2:ϕ_s145.00000° ,δ72.00000°,λ-50.00000°. Principal axes: T 4.7600,Plg16.0000°,Azm206.0000° ; N -1.3900,Plg37.0000°,Azm310.0000°; P -3.3800,Plg47.0000°,Azm97.0000° M_o4.20000×10^{17} Moment Tensor Solution. M_o5.50000×10^{17}

SZGRF Near east coast of eastern Honshu, Japan.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=250, per= 50. Moment Tensor Solution. s105,c214; s60,c63; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.14±.05 $M_{\theta\theta}$4.35±.04; $M_{\phi\phi}$-1.21±.04; $M_{r\theta}$-1.36±.08; $M_{\theta\phi}$-1.32±.03; $M_{\phi r}$3.18±.10; Best double couple: NP1:ϕ_s253.00000°,δ40.00000°,λ-144.00000°. NP2:ϕ_s134.00000°,δ68.00000°,λ-56.00000°. Principal axes: T 5.2200,Plg16.0000°,Azm199.0000°; N 0.2900,Plg32.0000°,Azm299.0000° ; P -5.5100,Plg54.0000°,Azm87.0000° M_o5.40000×10^{17}

(272) Seram

ISC	**VI**	**06 08 59 41.9–.57**	**4.20S–.06**	**129.72E–.05**	**36**	**4.1b**	**43**	**1-87**
IDC	VI	06 08 59 37.3–.83	4.13S	129.63E	0	4.2,4.1		**¶13680663**
ISCJB	VI	06 08 59 39.8–.37	4.20S–.04	129.72E–.04	36	4.2b,3.9s		
DJA	VI	06 08 59 41.1–.90	4S–4.0	130E–3.0	19–11	5.7b,5.2		
NEIC	VI	06 08 59 41.9–.55	4.26S	129.67E	35	4.5b,5.2		

ISC Event type se.

IDC Error ellipse: s-maj=56.2km s-min=15.9km az=63.0.

ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=141.1.

NEIC Event type se. Error ellipse: s-maj=21.9km s-min=8.6km az=60.0.

(221) Kuril Islands

ISC	**VI**	**06 10 37 53.8–.30**	**44.51N–.04**	**149.04E–.03**	**43–1**	**5.1b,4.5s**	**874**	**1-152**
DJA	VI	06 10 37 47.5–1.3	45N–11	149E–23	10	5.7b,5.2		**¶13195314**
SKHL	VI	06 10 37 50.8–1.6	44.48N	149.44E	38–4	5.5b,5.5		

BJI VI 06 10 37 51.1 44.53N 149.24E 47 5.0b,5.0b
JMA VI 06 10 37 51.4–.50 44.67N 149.16E 30 5.0,5.0b
ISCJB VI 06 10 37 52.9–.39 44.46N–.03 149.01E–.03 48–3 5.0b,4.5s
MOS VI 06 10 37 53.2–.85 44.50N 148.97E 50 5.3b,4.4s
IDC VI 06 10 37 54.3–.44 44.56N 148.99E 45–4 4.6,4.6
NEIC VI 06 10 37 54.1–.14 44.55N 148.95E 42 5.1b,4.6
TEH VI 06 10 37 55.0 44.54N 148.98E 41 4.9L,4.6
GCMT VI 06 10 37 56.6–.30 44.39N 149.27E 39–1 5.0W,4.6
NIED VI 06 10 38 00 44.80N 149.10E 35 4.9W,4.6
SZGRF VI 06 10 38 02.3 45.98N 148.64E 33 5.4b,4.2s
ISC Event type se.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.7km az=154.6.
MOS Error ellipse: s-maj=6.6km s-min=4.0km az=107.9.
IDC Error ellipse: s-maj=11.3km s-min=9.7km az=142.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.5km az=158.0. Recorded [1 JMA] in eastern Hokkaido.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c42; s61,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}2.74±.18 $M_{\theta\theta}$-1.17±.12; $M_{\phi\phi}$-1.57±.12; $M_{r\theta}$0.70±.13; $M_{\theta\phi}$-2.15±.08; $M_{\phi r}$1.65±.10; Best double couple: NP1:ϕ_s237.00000°,δ32.00000°,λ113.00000°. NP2:ϕ_s30.00000°,δ60.00000°,λ76.00000°. Principal axes: T 3.3000,Plg71.0000° ,Azm269.0000°; N 0.6600,Plg12.0000°,Azm37.0000°; P -3.9600,Plg14.0000°,Azm131.0000° M_o3.60000×10^{16}
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ68.00000°,λ73.00000°. NP2: ϕ_s228.00000°,δ28.00000°,λ127.00000°. M_o2.91000×10^{16}
SZGRF Kuril Islands, Russia.

(12) Alaska Peninsula

ISC	**VI**	**06 12 21 41.2–.25**	**54.30N–.04**	**162.62W–.02**	**41–2**	**5.3b,4.7s**	**1023**	**1-160**
MOS	VI	06 12 21 37.0–.96	54.34N	162.62W	19	5.6b,4.6s		**¶13195322**
BGS	VI	06 12 21 39.4–2.0	54.12N	163.32W	33	5.2b,4.6s		
ISCJB	VI	06 12 21 40.5–.30	54.26N–.03	162.62W–.02	46–2	5.2b,4.7s		
IDC	VI	06 12 21 40.5–.53	54.27N	162.74W	34–3	4.8,4.8		
BJI	VI	06 12 21 41.1	54.61N	163.25W	39	5.2b,5.2b		
NEIC	VI	06 12 21 41.8–.12	54.31N	162.63W	43	5.2b,5.2W		
GCMT	VI	06 12 21 42.6–.20	53.96N	162.35W	36–0	5.3W,5.2W		
SZGRF	VI	06 12 21 51.1	55.86N	162.94W	33	5.5b,4.6s		

ISC Event type fe.
MOS Error ellipse: s-maj=7.2km s-min=3.7km az=88.7.
BGS Error ellipse: s-maj=498.5km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.2km az=0.0.
IDC Error ellipse: s-maj=13.9km s-min=8.6km az=1.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=177.0. Felt at King Cove. Moment Tensor Solution. s44 Moment tensor: Scale 10^{16}Nm; M_{rr}5.48 $M_{\theta\theta}$-3.76 $M_{\phi\phi}$-1.72 $M_{r\theta}$3.56 $M_{\theta\phi}$-3.80 $M_{\phi r}$1.66 Best double couple: NP1:ϕ_s61.00000°,δ62.00000°,λ99.00000°. NP2: ϕ_s223.00000°,δ30.00000°,λ74.00000°. Principal axes: T 6.7100,Plg71.0000°,Azm350.0000° ; N 1.0800,Plg7.0000°,Azm236.0000°; P -7.7900,Plg16.0000°,Azm144.0000° M_o7.30000×10^{16} Moment Tensor Solution. M_o9.40000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s84,c141; s88,c165; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s238.00000°,δ26.00000°,λ89.00000°. NP2:ϕ_s59.00000° ,δ64.00000°,λ90.00000°. Principal axes: T 1.1000,Plg71.0000°,Azm330.0000° ; N 0.1100,Plg0.0000°,Azm239.0000°; P -1.2200,Plg19.0000°,Azm149.0000° M_o1.20000×10^{17}
SZGRF Alaska Peninsula, United States.

(403) Northern Mid-Atlantic Ridge

ISC	**VI**	**06 20 33 29.1–.49**	**23.84N–.04**	**46.22W–.03**	**15–2**	**5.9b,5.7s**	**1626**	**16-180**
SZGRF	VI	06 20 33 24.3	22.99N	46.66W	34	6.0b,5.9s		**¶14785462**
ISCJB	VI	06 20 33 26.8–.10	23.94N–.02	46.15W–.01	10	5.8b,5.7s		
MOS	VI	06 20 33 26.9–.94	23.98N	46.17W	10	6.0b,5.7s		
IDC	VI	06 20 33 26.9–.33	23.94N	46.12W	0	5.7s,5.7		
BGS	VI	06 20 33 26.7–2.0	23.71N	46.19W	10	5.8s,5.7b		
NEIC	VI	06 20 33 28.8–.11	23.86N	46.11W	14	6.5,6.0b		
BJI	VI	06 20 33 28.0	23.90N	46.10W	10	6.1s,5.9b		
DJA	VI	06 20 33 30.6–1.1	24N–13	46W–30	10	6.3b,6.0		
GCMT	VI	06 20 33 33.0–.10	23.94N	46.12W	12	6.0W,6.0		

ISC Event type se.
SZGRF Northern Mid-Atlantic Ridge.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.5km az=163.1.
MOS Error ellipse: s-maj=5.3km s-min=3.1km az=48.5.
IDC Error ellipse: s-maj=9.8km s-min=9.0km az=145.0.
BGS Error ellipse: s-maj=480.1km s-min=302.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.0km az=171.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s195.00000°,δ85.00000° ,λ5.00000°. NP2:ϕ_s105.00000°,δ85.00000°,λ175.00000°. Principal axes: T Plg7.0000° ,Azm60.0000°; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm150.0000° Moment Tensor Solution. s82 Moment tensor: Scale 10^{17}Nm; M_{rr}2.00 $M_{\theta\theta}$-4.35 $M_{\phi\phi}$2.35 $M_{r\theta}$-0.99 $M_{\theta\phi}$-6.70 $M_{\phi r}$-0.96 Best double couple: NP1:ϕ_s104.00000°,δ82.00000°,λ-178.00000°. NP2:ϕ_s13.00000° ,δ88.00000°,λ-8.00000°. Principal axes: T 6.5100,Plg3.0000°,Azm58.0000° ; N 2.1500,Plg81.0000°,Azm177.0000°; P -8.6600,Plg7.0000°,Azm328.0000° M_o7.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=120, comp=263, per= 50. Moment Tensor Solution. s102,c198; s92,c139; Moment tensor: Scale 10^{18}Nm; M_{rr}0.12±.01 $M_{\theta\theta}$-0.55±.01; $M_{\phi\phi}$0.43±.01; $M_{r\theta}$0.08±.02; $M_{\theta\phi}$-1.14±.01; $M_{\phi r}$0.17±.03; Best double couple: NP1:ϕ_s282.00000°,δ82.00000°,λ-179.00000°. NP2:ϕ_s192.00000°,δ89.00000°,λ-8.00000°. Principal axes: T 1.1900,Plg5.0000°,Azm237.0000°; N 0.1300,Plg82.0000°,Azm6.0000° ; P -1.3200,Plg6.0000°,Azm146.0000° M_o1.30000×10^{18}

(410) Southern Mid-Atlantic Ridge

ISC	**VI**	**07 17 48 39.5–.34**	**36.52S–.08**	**20.14W–.08**	**10**	**5.1b,4.1s**	**288**	**32-156**
MOS	VI	07 17 48 38.4–1.0	36.71S	19.99W	10	5.4b,4.1s		**¶12952873**
ISCJB	VI	07 17 48 38.7–.27	36.60S–.06	20.27W–.08	10	5.0b,4.1s		
IDC	VI	07 17 48 38.1–.43	36.51S	20.29W	0	4.6,4.6		
NEIC	VI	07 17 48 39.2–.27	36.70S	20.07W	10	5.2b,4.6		
SZGRF	VI	07 17 48 42.7	36.18S	20.70W	31	5.4b,4.6		
BJI	VI	07 17 48 44.1	36.50S	20.20W	26	5.5s,5.4b		

ISC Event type se.
MOS Error ellipse: s-maj=17.2km s-min=7.1km az=74.7.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.8km az=27.5.
IDC Error ellipse: s-maj=14.4km s-min=13.7km az=161.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.2km az=129.0.
SZGRF Southern Mid-Atlantic Ridge.

(174) Tonga Islands region

ISC	**VI**	**08 03 31 49.2–.29**	**22.97S–.05**	**175.09W–.06**	**30**	**5.1b,4.4s**	**384**	**6-170**
BJI	VI	08 03 31 40.1	23.28S	174.24W	4	5.4b,5.4b		**¶15155910**
AUST	VI	08 03 31 45.2	22.64S	174.27W	35	5.4b,5.4b		
DJA	VI	08 03 31 46.6–4.4	22S–14	175W–8.0	27–38	5.8b,5.6		
ISCJB	VI	08 03 31 47.3–.19	22.92S–.04	175.04W–.04	30	5.0b,4.3s		
MOS	VI	08 03 31 48.4–1.2	22.79S	175.06W	34	5.2b,4.3s		
NEIC	VI	08 03 31 49.6–1.4	22.91S	174.96W	37–12	5.0b,4.3s		
IDC	VI	08 03 31 51.4–.55	22.88S	175.07W	48–5	4.8,4.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=137.7.
MOS Error ellipse: s-maj=12.2km s-min=10.0km az=58.5.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=156.0.
IDC Error ellipse: s-maj=13.4km s-min=11.0km az=130.0.

(731) North of Honduras

ISC	**VI**	**08 05 13 15.9–.52**	**15.85N–.03**	**86.97W–.03**	**17–2**	**5.5b,4.9s**	**990**	**2-158**
CASC	VI	08 05 12 54.9–6.0	17.71N	87.02W	0–144	5.6L,5.5b		**¶14785477**
IDC	VI	08 05 13 13.6–.44	16.00N	86.77W	0	5.2,5.2		
ISCJB	VI	08 05 13 14.6–1.0	15.85N–.02	86.91W–.02	15–6	5.4b,4.9s		
NEIC	VI	08 05 13 14.7–.17	15.79N	86.87W	10	5.5b,5.4W		
MOS	VI	08 05 13 15.0–1.1	15.97N	86.84W	18	5.7b,4.9s		
BJI	VI	08 05 13 15.6	15.90N	86.90W	10	5.7b,5.5s		
BGS	VI	08 05 13 16.5–2.3	16.48N	86.82W	10	5.2b,4.9s		
GCMT	VI	08 05 13 19.2–.10	15.99N	86.99W	12	5.4W,4.9s		
SZGRF	VI	08 05 13 24.0	16.58N	85.46W	22	5.4b,4.8s		

ISC Event type fe.
CASC Error ellipse: s-maj=297.5km s-min=54.7km az=-1.0.
IDC Error ellipse: s-maj=18.9km s-min=9.8km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=18.8.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=204.0. Felt [V] at La Ceiba; [IV] at Arizona, El Chimbo, El Progreso, La Lima, Mateo, Puerto Cortes, San Pedro Sula, Tela and Utila; [III] at Agalteca, Cerro Grande, Germania, Las Tapias, Roatan, Sandy Bay, Santa Lucia, Santa Rosa de Copan, Siguatepeque and Tegucigalpa; [II] at Comayagua, Guaimaca and Valle de Angeles. Felt [II] at Belize City and Dangriga, Belize and at Guatemala, Guatemala. Felt in most of Honduras, in central Belize and eastern Guatemala and in the San Salvador area, El Salvador.
MOS Error ellipse: s-maj=6.0km s-min=4.0km az=86.5.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=203, per= 50. Moment Tensor Solution. s93,c160; s27,c29; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.48±.02 $M_{\theta\theta}$1.17±.02; $M_{\phi\phi}$0.32±.02; $M_{r\theta}$0.09±.05; $M_{\theta\phi}$0.81±.02; $M_{\phi r}$-0.39±.05; Best double couple: NP1:ϕ_s254.00000°,δ45.00000°,λ-68.00000°. NP2:ϕ_s44.00000°,δ49.00000°,λ-110.00000°. Principal axes: T 1.6600,Plg2.0000°,Azm148.0000°; N -0.0700,Plg15.0000°,Azm58.0000° ; P -1.5900,Plg75.0000°,Azm247.0000° M_o1.60000×10^{17}
SZGRF North of Honduras.

(282) South of Jawa

ISC	**VI**	**08 06 14 12.1–.74**	**9.69S–.07**	**108.39E–.05**	**27**	**3.9b**	**32**	**2-144**
IDC	VI	08 06 14 08.8–2.8	9.69S	108.32E	0	4.0,3.9		**¶15155913**
ISCJB	VI	08 06 14 10.9–.47	9.67S–.05	108.47E–.04	27	3.8b,3.9		
DJA	VI	08 06 14 11.1–.50	10S–4.0	109E–3.0	15	5.9b,5.5		
AUST	VI	08 06 14 12.0	9.87S	108.34E	100	5.9b,5.5		

ISC Event type ke.
IDC Error ellipse: s-maj=131.3km s-min=18.4km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=154.2.

(705) Off west coast of northern Sumatera

ISC	**VI**	**09 04 21 05.5–.58**	**1.93N–.07**	**97.09E–.09**	**28**	**4.3b,3.5s**	**49**	**1-145**
DJA	VI	09 04 20 47.8–1.6	4N–6.0	95E–15	10	5.7b,5.3		**¶13440008**
IDC	VI	09 04 21 01.0–.76	1.87N	97.10E	0	4.2,4.1b		
ISCJB	VI	09 04 21 03.0–.55	1.77N–.07	96.94E–.08	28	4.2b,3.5s		
NEIC	VI	09 04 21 08.1–1.9	1.89N	97.13E	52–15	4.4b,3.5s		

ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=15.6km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=9.7km az=147.6.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=6.5km az=58.0.

(703) Andaman Islands region

ISC	**VI**	**09 05 38 22.7–.33**	**10.79N–.03**	**91.67E–.03**	**33–1**	**5.1b,4.6s**	**717**	**1-165**
IDC	VI	09 05 38 17.9–.41	10.86N	91.74E	0	4.9,4.8		**¶13440010**
BJI	VI	09 05 38 18.6	10.49N	91.65E	37	4.9b,4.9b		
ISCJB	VI	09 05 38 20.3–.15	10.78N–.02	91.72E–.02	29	5.0b,4.6s		
MOS	VI	09 05 38 21.3–.88	10.87N	91.74E	33	5.4b,4.6s		
SZGRF	VI	09 05 38 22.3	10.70N	91.33E	30	5.2b,4.9s		
NEIC	VI	09 05 38 23.0–.14	10.82N	91.72E	35	5.2b,4.9s		
TEH	VI	09 05 38 24.0	10.80N	91.75E	38	5.0L,4.9s		
DJA	VI	09 05 38 40.1–.60	10N–6.0	92E–5.0	217–8	5.7,5.6b		

ISC Event type se.
ISCJB Event type se.
SZGRF Andaman Islands, India, region.
NEIC Event type se.

(684) Southern East Pacific Rise

ISC	**VI**	**09 22 42 39.3–.24**	**55.11S–.08**	**126.53W–.06**	**10**	**5.2b,5.2s**	**446**	**31-172**
IDC	VI	09 22 42 36.9–.38	55.18S	126.90W	0	5.2s,5.2		**¶13440015**
ISCJB	VI	09 22 42 37.2–.30	55.16S–.06	126.8W–.10	10	5.2b,5.1s		
MOS	VI	09 22 42 38.4–1.3	55.13S	126.84W	10	5.2b,5.1s		
NEIC	VI	09 22 42 39.0–.20	55.06S	126.66W	10	5.6W,5.6W		
BJI	VI	09 22 42 39.2	55.00S	126.50W	10	5.5s,5.5b		
GCMT	VI	09 22 42 43.1–.10	55.22S	126.86W	17–0	5.6W,5.5b		

ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=13.7km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=8.1km az=39.9.
MOS Error ellipse: s-maj=23.2km s-min=12.6km az=75.9.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.5km az=124.0. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54 $M_{\theta\theta}$2.28 $M_{\phi\phi}$-1.75 $M_{r\theta}$0.31 $M_{\theta\phi}$2.18 $M_{\phi r}$0.40 Best double couple: NP1:ϕ_s21.00000°,δ90.00000°,λ171.00000°. NP2:ϕ_s111.00000° ,δ81.00000°,λ0.00000°. Principal axes: T 3.2900,Plg6.0000°,Azm336.0000° ; N -0.5600,Plg80.0000°,Azm200.0000°; P -2.7300,Plg6.0000°,Azm66.0000° M_o3.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=208, per= 50. Moment Tensor Solution. s94,c171; s60,c68; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49±.03 $M_{\theta\theta}$2.09±.04; $M_{\phi\phi}$-1.60±.03; $M_{r\theta}$-0.36±.09; $M_{\theta\phi}$2.56±.03; $M_{\phi r}$-0.02±.08; Best double couple: NP1:ϕ_s198.00000°,δ84.00000°,λ179.00000°. NP2:ϕ_s288.00000°,δ89.00000°,λ6.00000°. Principal axes: T 3.4300,Plg5.0000°,Azm153.0000°; N -0.5100,Plg84.0000°,Azm297.0000° ; P -2.9200,Plg3.0000°,Azm63.0000° M_o3.20000×10^{17}

(686) West Chile Rise

ISC	**VI**	**10 23 13 21.8–.63**	**41.63S–.05**	**84.05W–.06**	**16–3**	**5.6b,5.3s**	**567**	**10-176**
IDC	VI	10 23 13 18.6–.36	41.69S	84.27W	0	5.1,5.1		**¶13917848**
MOS	VI	10 23 13 20.0–1.2	41.67S	84.16W	10	5.8b,5.2s		
ISCJB	VI	10 23 13 20.1–.20	41.65S–.04	83.96W–.06	10	5.5b,5.2s		
BJI	VI	10 23 13 21.6	41.60S	84.00W	10	5.6s,5.5		
NEIC	VI	10 23 13 21.1–.20	41.72S	84.00W	10	5.7b,5.7W		
GCMT	VI	10 23 13 22.3–.10	41.61S	84.38W	12	5.6W,5.7W		
DJA	VI	10 23 13 23.4–1.9	42S–34	84W–27	10	6.0b,5.6		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.93 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$2.10 $M_{r\theta}$2.33 $M_{\theta\phi}$0.95 $M_{\phi r}$-3.61 Best double couple: NP1:ϕ_s220.00000° ,δ22.00000°,λ-29.00000°. NP2:ϕ_s337.00000°,δ80.00000°,λ-109.00000°. Principal axes: T 4.2500,Plg31.0000°,Azm83.0000°; N 1.0200,Plg19.0000°,Azm340.0000° ; P -5.2700,Plg51.0000°,Azm225.0000° M_o4.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=233 , per= 50. Moment Tensor Solution. s85,c149; s66,c74; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.12±.03 $M_{\theta\theta}$-0.14±.03; $M_{\phi\phi}$3.26±.03; $M_{r\theta}$0.84±.09; $M_{\theta\phi}$-0.62±.03; $M_{\phi r}$0.33±.08; Best double couple: NP1:ϕ_s335.00000°,δ46.00000°,λ-112.00000°. NP2:ϕ_s185.00000°,δ49.00000°,λ-69.00000°. Principal axes: T 3.3700,Plg2.0000°,Azm260.0000°; N 0.0000,Plg16.0000°,Azm351.0000° ; P -3.3700,Plg74.0000°,Azm165.0000° M_o3.40000×10^{17}

(410) Southern Mid-Atlantic Ridge

ISC	**VI**	**11 08 55 04.1–.34**	**24.97S–.08**	**13.70W–.06**	**14**	**4.8b,4.6s**	**151**	**12-153**
IDC	VI	11 08 55 01.6–.39	24.95S	13.66W	0	4.6,4.6		**¶13196190**
ISCJB	VI	11 08 55 02.3–.28	24.96S–.05	13.63W–.06	14	4.7b,4.5s		
NEIC	VI	11 08 55 03.6–.25	24.97S	13.62W	10	5.0b,4.5s		
BJI	VI	11 08 55 03.7	25.10S	13.60W	10	5.7b,5.2s		
GCMT	VI	11 08 55 07.8–.10	24.97S	13.59W	12	5.3W,5.2s		

ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=10.4km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=7.0km az=139.3.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=147.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s72,c109; s99,c185; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s257.00000°,δ79.00000°,λ-3.00000°. NP2:ϕ_s348.00000°,δ87.00000°,λ-169.00000°. Principal axes: T 1.1900,Plg5.0000° ,Azm122.0000°; N -0.1800,Plg79.0000°,Azm4.0000°; P -1.0100,Plg10.0000°,Azm213.0000° M_o1.10000×10^{17}

(281) Tanimbar Islands region

ISC	**VI**	**11 14 29 04.7–.44**	**7.99S–.04**	**130.43E–.05**	**31–2**	**5.1b,4.3s**	**242**	**5-150**
MOS	VI	11 14 29 03.3–1.4	8.04S	130.38E	33	5.5b,4.3s		**¶15156021**
NEIC	VI	11 14 29 04.8–.31	8.05S	130.29E	35	5.0b,4.3s		
IDC	VI	11 14 29 04.4–4.0	7.82S	130.36E	19–24	4.7b,4.6		
ISCJB	VI	11 14 29 05.2–.57	7.92S–.03	130.49E–.04	47–5	5.0b,4.1s		
AUST	VI	11 14 29 05.6–.82	7.95S	130.49E	30–0	5.0b,4.1s		
DJA	VI	11 14 29 07.5–.30	8S–2.0	131E–3.0	51–5	5.2b,5.2		
BJI	VI	11 14 29 10.7	7.26S	130.25E	71	5.2b,5.0b		

ISC Event type se.
MOS Error ellipse: s-maj=15.4km s-min=6.2km az=114.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=67.0.
IDC Error ellipse: s-maj=20.6km s-min=11.0km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.4km az=162.0.
AUST Error ellipse: s-maj=0.7km s-min=0.5km az=242.0.

(186) Vanuatu Islands

ISC	**VI**	**12 08 47 42.7–.36**	**17.67S–.04**	**167.68E–.05**	**51–2**	**5.0b,4.6s**	**349**	**5-166**
IDC	VI	12 08 47 35.0–.49	17.52S	167.79E	0	4.8,4.7		**¶13440057**
NEIC	VI	12 08 47 36.7–.24	17.49S	167.79E	10	5.1b,4.7		

DJA	VI	12 08 47 37.6–.60	18S–7.0	168E–8.0	10	5.5b,5.0			
ISCJB	VI	12 08 47 38.4–1.9	17.59S–.04	167.71E–.05	29–13	5.0b,4.6s			
MOS	VI	12 08 47 39.4–1.3	17.46S	167.61E	33	5.3b,4.6s			
NOU	VI	12 08 47 40.8–1.8	17.58S	167.79E	30	4.0L,3.6			
GCMT	VI	12 08 47 42.8–.10	17.56S	167.58E	19–0	5.3W,3.6			
BJI	VI	12 08 47 43.5	17.16S	167.92E	58	5.2b,5.1s			

ISC Event type fe.
IDC Error ellipse: s-maj=17.2km s-min=13.0km az=106.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=6.4km az=118.0. Felt [III] at Port-Vila.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=6.9km az=167.3.
MOS Error ellipse: s-maj=10.3km s-min=9.0km az=13.4.
NOU Error ellipse: s-maj=23.2km s-min=94.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s84,c141; s88,c155; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s3.00000°,δ24.00000°,λ110.00000°. NP2:ϕ_s161.00000° ,δ67.00000°,λ81.00000°. Principal axes: T 1.2200,Plg67.0000°,Azm56.0000° ; N 0.0000,Plg8.0000°,Azm165.0000°; P -1.2200,Plg22.0000°,Azm258.0000° $M_0$1.20000×10^{17}

(186) Vanuatu Islands

ISC	**VI**	**12 09 24 43.9–.34**	**17.68S–.04**	**167.81E–.05**	**48–2**	**5.0b,4.9s**	**306**	**5-166**
IDC	VI	12 09 24 37.0–.62	17.59S	167.89E	0	4.9s,4.9		**¶13046920**
DJA	VI	12 09 24 38.9–.60	17S–7.0	168E–10	10	5.7b,5.2		
NEIC	VI	12 09 24 38.8–.26	17.54S	167.84E	10	5.0b,5.2		
ISCJB	VI	12 09 24 39.0–1.8	17.62S–.04	167.84E–.05	22–13	4.9s,4.8b		
MOS	VI	12 09 24 41.3–1.4	17.53S	167.71E	33	5.3b,4.8b		
NOU	VI	12 09 24 43.3–1.4	17.82S	168.55E	30	3.7,2.6L		
BJI	VI	12 09 24 44.9	17.00S	168.06E	52	5.4s,5.3b		
GCMT	VI	12 09 24 44.3–.20	17.55S	167.54E	19–0	5.4W,5.3b		

ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=15.2km az=130.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.2km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.2km az=29.4.
MOS Error ellipse: s-maj=10.8km s-min=9.1km az=33.6.
NOU Error ellipse: s-maj=26.0km s-min=56.5km az=-1.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s92,c154; s71,c116; Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.03 $M_{\theta\theta}$-0.01±.02; $M_{\phi\phi}$-1.12±.02; $M_{r\theta}$0.49±.05; $M_{\theta\phi}$0.24±.02; $M_{\phi r}$-1.10±.06; Best double couple: NP1:ϕ_s358.00000°,δ23.00000°,λ107.00000°. NP2:ϕ_s159.00000°,δ68.00000°,λ83.00000°. Principal axes: T 1.6600,Plg66.0000° ,Azm57.0000°; N 0.0100,Plg7.0000°,Azm162.0000°; P -1.6700,Plg23.0000°,Azm255.0000° $M_0$1.70000×10^{17}

(186) Vanuatu Islands

ISC	**VI**	**12 09 44 19.4–.29**	**17.68S–.03**	**167.84E–.04**	**49–1**	**5.6s,5.4b**	**985**	**5-169**
IDC	VI	12 09 44 12.9–.36	17.60S	167.78E	0	5.6,5.6		**¶16101229**
LDG	VI	12 09 44 14.1–.13	17.58S	167.82E	10	5.9b,5.5s		
NEIC	VI	12 09 44 15.1–.10	17.61S	167.81E	15	6.0W,6.0W		
NOU	VI	12 09 44 17.5–1.0	18.00S	169.17E	30	4.0,3.1L		
MOS	VI	12 09 44 17.7–.88	17.33S	167.94E	33	5.8b,5.6s		
ISCJB	VI	12 09 44 18.2–.14	17.66S–.03	167.74E–.03	49	5.6s,5.4b		
BJI	VI	12 09 44 19.3	17.26S	167.93E	53	5.9b,5.8s		
GCMT	VI	12 09 44 21.4–.10	17.52S	167.63E	20–0	6.0W,5.8s		
DJA	VI	12 09 44 59.2–3.9	18S–10	166E–27	308–32	5.8b,5.4		

ISC Event type fe.
LDG Event type ke.
NEIC Event type fe. Felt [III] at Port-Vila. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s170.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s350.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm80.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm260.0000° Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}0.66 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-1.00 $M_{r\theta}$-0.12 $M_{\theta\phi}$0.25 $M_{\phi r}$-0.62 Best double couple: NP1:ϕ_s324.00000°,δ33.00000°,λ51.00000°. NP2:ϕ_s188.00000° ,δ65.00000°,λ112.00000°. Principal axes: T 0.9300,Plg62.0000°,Azm134.0000° ; N 0.3000,Plg20.0000°,Azm358.0000°; P -1.2300,Plg17.0000°,Azm262.0000° $M_0$1.10000×10^{18}
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=114, comp=254, per= 50. Moment Tensor Solution. s108,c241; s89,c121; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s360.00000°,δ27.00000° ,λ106.00000°. NP2:ϕ_s162.00000°,δ64.00000°,λ82.00000°. Principal axes: T 1.0900,Plg70.0000°,Azm55.0000°; N 0.0200,Plg7.0000°,Azm165.0000° ; P -1.1100,Plg18.0000°,Azm258.0000° $M_0$1.10000×10^{18}

(186) Vanuatu Islands

ISC	**VI**	**12 14 32 55.6–.41**	**17.59S–.04**	**167.79E–.06**	**34–1**	**5.0b,4.6s**	**552**	**5-166**
IDC	VI	12 14 32 50.8–.40	17.55S	167.92E	0	4.8,4.8		**¶13917861**
NEIC	VI	12 14 32 51.9–.18	17.44S	167.69E	10	5.0b,4.8		
LDG	VI	12 14 32 52.3–.17	17.51S	167.47E	10	5.5b,4.6s		
NOU	VI	12 14 32 53.7–1.9	17.81S	168.93E	30	3.7,3.4L		
ISCJB	VI	12 14 32 53.9–.24	17.61S–.03	167.80E–.06	33	4.9b,4.6s		
MOS	VI	12 14 32 56.2–1.0	17.38S	167.24E	33	5.4b,4.8s		
GCMT	VI	12 14 32 58.2–.10	17.55S	167.64E	20–0	5.3W,4.8s		
BJI	VI	12 14 32 59.5	16.52S	167.21E	26	5.3b,5.0b		
DJA	VI	12 14 33 10.8–1.9	18S–11	169E–17	227–21	5.2b,4.7b		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Port-Vila.
LDG Event type ke.
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 100 sta. Moment Tensor Solution. s92,c142; s99,c171; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s9.00000°,δ31.00000°,λ115.00000°. NP2:ϕ_s160.00000°,δ62.00000°,λ75.00000°. Principal axes: T 1.0700,Plg69.0000° ,Azm40.0000°; N 0.0200,Plg13.0000°,Azm167.0000°; P -1.0900,Plg16.0000°,Azm261.0000° $M_0$1.10000×10^{17}

(332) Northern Xinjiang

ISC	**VI**	**13 17 17 39.2–.29**	**44.73N–.02**	**78.83E–.02**	**19–1**	**5.7b,5.2s**	**1701**	**2-157**
BGS	VI	13 17 17 21.1–1.2	43.44N	81.41E	10	5.5s,5.4b		**¶13196642**
LDG	VI	13 17 17 34.9–.11	44.57N	78.81E	10	5.8b,4.8s		
SZGRF	VI	13 17 17 34.1	43.82N	79.46E	13	5.8b,4.8s		
IDC	VI	13 17 17 36.1–.26	44.72N	78.88E	0	5.5,5.5		
ISCJB	VI	13 17 17 36.7–.08	44.74N–.01	78.87E–.01	13	5.6b,5.1s		
NEIC	VI	13 17 17 37.7–.08	44.73N	78.87E	11	5.8b,5.4W		
BJI	VI	13 17 17 38.2	44.78N	79.02E	21	5.9L,5.7s		
TEH	VI	13 17 17 38.0	44.71N	78.88E	13	5.5L,5.7s		
MOS	VI	13 17 17 39.6–.87	44.80N	78.91E	33	5.9b,5.1s		
GCMT	VI	13 17 17 40.6–.10	44.77N	78.83E	12–0	5.4W,5.1s		
NNC	VI	13 17 17 40.8–.50	44.95N	78.58E	20–2	6.1b,5.8		
DJA	VI	13 17 17 41.8–2.1	45N–8.0	79E–4.0	24–17	6.8,5.9b		

ISC Event type de.
LDG Event type ke.
SZGRF Lake Issyk-Kul, Kyrgyzstan, region.
ISCJB Event type de.
NEIC Event type de. One person died of a heart attack and several buildings damaged [VII] at Tekeli. Felt [III] at Almaty. Also felt at Druzhba and Ushtobe. Felt at Yining, China. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s62 Moment tensor: Scale 10^{17}Nm; M_{rr}1.16 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$-0.13 $M_{r\theta}$-0.60 $M_{\theta\phi}$-0.31 $M_{\phi r}$0.24 Best double couple: NP1:ϕ_s269.00000° ,δ59.00000°,λ107.00000°. NP2:ϕ_s58.00000°,δ35.00000°,λ64.00000°. Principal axes: T 1.3800,Plg70.0000°,Azm217.0000°; N -0.1400,Plg14.0000°,Azm80.0000° ; P -1.2300,Plg12.0000°,Azm346.0000° $M_0$1.30000×10^{17}
MOS Event type fe. Felt (III) at Almaty. Moment Tensor Solution.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 99, comp=206, per= 50. Moment Tensor Solution. s82,c142; s22,c22; Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.02 $M_{\theta\theta}$-1.40±.02; $M_{\phi\phi}$0.30±.02; $M_{r\theta}$-0.16±.04; $M_{\theta\phi}$-0.86±.02; $M_{\phi r}$0.49±.05; Best double couple: NP1:ϕ_s276.00000°,δ53.00000°,λ133.00000°. NP2:ϕ_s39.00000°,δ55.00000°,λ48.00000°. Principal axes: T 1.4400,Plg57.0000°,Azm248.0000°; N 0.3200,Plg33.0000°,Azm67.0000° ; P -1.7600,Plg1.0000°,Azm157.0000° $M_0$1.60000×10^{17}

(278) Bali Sea

ISC	**VI**	**14 03 36 02.2–.42**	**7.66S–.03**	**117.23E–.03**	**30–2**	**5.6b,5.0s**	**746**	**1-175**
IDC	VI	14 03 35 57.9–.31	7.71S	117.08E	0	5.2,5.2		**¶15156093**
MOS	VI	14 03 35 57.8–.79	7.62S	117.15E	10	5.9b,4.9s		
NEIC	VI	14 03 36 00.1–.13	7.69S	117.20E	17	5.6b,5.4W		
BJI	VI	14 03 36 01.0	7.70S	117.20E	35	5.7b,5.5b		
AUST	VI	14 03 36 01.1–.76	7.75S	117.29E	12–0	5.7b,5.5b		
ISCJB	VI	14 03 36 02.6–.33	7.67S–.02	117.19E–.02	44–3	5.5b,5.0s		
TEH	VI	14 03 36 04.0	7.62S	117.22E	40	5.7L,5.0s		
DJA	VI	14 03 36 04.6–.40	8S–2.0	117E–1.0	30–4	6.0,5.9b		
GCMT	VI	14 03 36 05.8–.10	7.73S	117.18E	28–0	5.5W,5.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.3km s-min=9.1km az=65.0.
MOS Error ellipse: s-maj=9.2km s-min=5.3km az=113.7.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=55.0. Felt [IV] at Sumbawa Besar, Sumbawa and [III] at Denpasar, Bali and at Mataram, Lombok. Also felt at Ubud, Bali. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$-0.20 $M_{r\theta}$0.47 $M_{\theta\phi}$0.13 $M_{\phi r}$0.28 Best double couple: NP1:ϕ_s85.00000°,δ55.00000°,λ78.00000°. NP2:ϕ_s286.00000°,δ37.00000°,λ106.00000°. Principal axes: T 1.6000,Plg76.0000° ,Azm316.0000°; N -0.2400,Plg9.0000°,Azm92.0000°; P -1.3500,Plg9.0000°,Azm184.0000° $M_0$1.50000×10^{17}
AUST Error ellipse: s-maj=0.7km s-min=0.4km az=30.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=3.0km az=24.8.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=203, per= 50. Moment Tensor Solution. s91,c161; s39,c41; Moment tensor: Scale 10^{17}Nm; M_{rr}1.73±.03 $M_{\theta\theta}$-1.96±.02; $M_{\phi\phi}$0.23±.02; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-0.04±.02; $M_{\phi r}$0.06±.04; Best double couple: NP1:ϕ_s271.00000°,δ37.00000°,λ93.00000°. NP2:ϕ_s87.00000°,δ53.00000°,λ88.00000°. Principal axes: T 1.8100,Plg82.0000°,Azm348.0000°; N 0.2300,Plg2.0000°,Azm89.0000° ; P -2.0400,Plg8.0000°,Azm179.0000° $M_0$1.90000×10^{17}

(259) Mindanao

ISC	**VI**	**14 05 58 44.8–.25**	**5.34N–.02**	**126.50E–.03**	**47–1**	**5.8b,5.7s**	**1281**	**2-170**
BJI	VI	14 05 58 40.8	5.05N	126.54E	49	6.2b,5.9s		**¶13469967**
AUST	VI	14 05 58 40.8–1.5	5.19N	126.68E	5–0	6.2b,5.9s		
MOS	VI	14 05 58 42.5–1.1	5.41N	126.37E	39	6.0b,5.6s		
IDC	VI	14 05 58 42.3–1.3	5.30N	126.27E	28–7	5.6,5.5		
NEIC	VI	14 05 58 43.3–.11	5.36N	126.44E	35	6.1W,6.0W		
ISCJB	VI	14 05 58 46.0–.34	5.37N–.02	126.53E–.02	75–2	5.7b,6.0W		
DJA	VI	14 05 58 47.3–.30	5N–2.0	127E–2.0	54–3	6.6,6.2b		
GCMT	VI	14 05 58 48.8–.10	5.32N	126.60E	37–0	6.1W,6.2b		
TEH	VI	14 05 58 48.0	5.36N	126.41E	76	6.3L,6.2b		

ISC Event type fe.
AUST Error ellipse: s-maj=0.9km s-min=0.6km az=40.0.
MOS Error ellipse: s-maj=8.5km s-min=4.5km az=114.7.
IDC Error ellipse: s-maj=14.0km s-min=6.7km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.3km az=73.0. Felt [II PIVS] at Davao and General Santos. Also felt at Governor Generoso. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s54 Moment tensor: Scale 10^{18}Nm; M_{rr}0.90 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-1.31 $M_{r\theta}$0.38 $M_{\theta\phi}$0.21 $M_{\phi r}$0.28 Best double couple: NP1:ϕ_s19.00000°,δ57.00000°,λ125.00000°. NP2:ϕ_s146.00000° ,δ46.00000°,λ48.00000°. Principal axes: T 1.1500,Plg60.0000°,Azm343.0000° ; N 0.2000,Plg28.0000°,Azm177.0000°; P -1.3600,Plg6.0000°,Azm84.0000° $M_0$1.30000×10^{18} Moment Tensor Solution. $M_0$2.40000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=167.5.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=127, comp=283, per= 50. Moment Tensor Solution. s118,c272; s90,c140; Moment tensor: Scale 10^{18}Nm; M_{rr}1.35±.01 $M_{\theta\theta}$0.49±.01; $M_{\phi\phi}$-1.84±.01; $M_{r\theta}$0.86±.02; $M_{\theta\phi}$-0.07±.01; $M_{\phi r}$0.64±.02; Best double couple: NP1:ϕ_s154.00000°,δ41.00000°,λ44.00000°. NP2:ϕ_s28.00000°,δ63.00000°,λ122.00000°. Principal axes: T 1.9500,Plg59.0000°,Azm345.0000°; N 0.0300,Plg28.0000°,Azm192.0000° ; P -1.9900,Plg12.0000°,Azm96.0000° $M_0$2.00000×10^{18}

(263) Talaud Islands

ISC	**VI**	**14 08 15 56.5–.29**	**5.40N–.03**	**126.56E–.04**	**55–1**	**5.2b,4.6s**	**575**	**2-170**
MAN	VI	14 08 15 45	4.94N	126.98E	15	5.7b,5.1s		**¶13546703**
AUST	VI	14 08 15 49.6–2.3	5.49N	126.90E	7–0	5.7b,5.1s		
BJI	VI	14 08 15 51.8	4.94N	126.63E	56	5.2b,5.1b		
MOS	VI	14 08 15 52.3–1.2	5.37N	126.32E	33	5.5b,4.6s		
NEIC	VI	14 08 15 54.1–.15	5.39N	126.51E	35	5.2b,4.6s		
IDC	VI	14 08 15 55.7–1.2	5.35N	126.37E	48–10	4.7,4.7		
ISCJB	VI	14 08 15 55.3–.40	5.37N–.02	126.58E–.03	63–3	5.2b,4.7		
DJA	VI	14 08 15 56.2–1.1	5N–4.0	127E–3.0	31–9	5.8,5.5b		
GCMT	VI	14 08 15 56.2–.20	5.32N	126.66E	36–1	5.4W,5.5b		

ISC Event type se.
AUST Error ellipse: s-maj=1.3km s-min=0.7km az=226.0.
MOS Error ellipse: s-maj=12.4km s-min=5.3km az=112.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=71.0.
IDC Error ellipse: s-maj=20.4km s-min=8.3km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.9km az=165.6.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s61,c83; s91,c153; Moment tensor: Scale 10^{17}Nm; M_{rr}0.71±.06 $M_{\theta\theta}$1.12±.04; $M_{\phi\phi}$-1.83±.04; $M_{r\theta}$0.43±.05; $M_{\theta\phi}$-0.17±.03; $M_{\phi r}$0.85±.06; Best double couple: NP1:ϕ_s140.00000°,δ50.00000°,λ17.00000°. NP2:ϕ_s39.00000°,δ77.00000°,λ139.00000°. Principal axes: T 1.4300,Plg38.0000° ,Azm351.0000°; N 0.6900,Plg47.0000°,Azm205.0000°; P -2.1100,Plg17.0000°,Azm95.0000° $M_0$1.80000×10^{17}

(263) Talaud Islands

ISC	**VI**	**14 18 24 23.8–.33**	**5.32N–.03**	**126.39E–.05**	**59–2**	**4.7b,4.1s**	**297**	**2-162**
AUST	VI	14 18 24 16.3–3.3	5.44N	126.81E	1–0	4.7b,4.1s		**¶15156094**
MAN	VI	14 18 24 18	4.96N	126.55E	48	5.5b,4.8s		
NEIC	VI	14 18 24 19.3–.24	5.39N	126.42E	25	4.9b,4.8s		
ISCJB	VI	14 18 24 22.9–.41	5.28N–.02	126.39E–.03	71–3	4.6b,4.8s		
BJI	VI	14 18 24 22.0	5.25N	126.27E	62	5.0b,4.9b		
DJA	VI	14 18 24 24.6–1.6	5N–4.0	127E–4.0	34–17	5.4b,5.4		
GCMT	VI	14 18 24 24.9–.30	5.18N	126.34E	24	5.1W,5.4		
IDC	VI	14 18 24 24.6–1.2	5.29N	126.34E	68–10	4.3,4.2		

ISC Event type se.
AUST Error ellipse: s-maj=1.5km s-min=0.8km az=232.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.8km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.5km az=160.2.
GCMT Event type se. Data Used: II IC G IU. Moment Tensor Solution. s34,c38; s55,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}1.44±.31 $M_{\theta\theta}$1.73±.17; $M_{\phi\phi}$-3.18±.20; $M_{r\theta}$2.94±.24; $M_{\theta\phi}$-0.65±.11; $M_{\phi r}$4.46±.29; Best double couple: NP1:ϕ_s148.00000°,δ22.00000°,λ25.00000°. NP2:ϕ_s35.00000°,δ81.00000°,λ110.00000°. Principal axes: T 5.5300,Plg50.0000° ,Azm326.0000°; N 0.9100,Plg19.0000°,Azm211.0000°; P -6.4600,Plg33.0000° ,Azm108.0000° $M_0$6.00000×10^{16}
IDC Error ellipse: s-maj=19.8km s-min=8.2km az=76.0.

(153) South Sandwich Islands region

ISC	**VI**	**14 20 25 16.1–.20**	**58.90S–.05**	**25.07W–.05**	**18**	**5.4b,4.7s**	**457**	**14-174**
SZGRF	VI	14 20 25 08.2	58.34S	30.79W	33	4.8b,4.7s		**¶13546705**
BJI	VI	14 20 25 12.2	59.00S	25.00W	10	5.4s,5.3b		
IDC	VI	14 20 25 13.5–.30	58.91S	25.02W	0	5.5L,5.1		
ISCJB	VI	14 20 25 14.6–.24	58.97S–.05	25.04W–.08	18	5.3b,4.8s		
NEIC	VI	14 20 25 18.0–2.0	58.97S	24.98W	30–13	5.4b,4.8s		
MOS	VI	14 20 25 17.6–1.1	58.98S	24.90W	34	5.5b,4.5s		
DJA	VI	14 20 25 19.0–7.0	59S–17	25W–30	17–45	5.5b,5.3		
GCMT	VI	14 20 25 21.3–.20	59.17S	24.62W	28–0	5.1W,5.3		

ISC Event type se.
SZGRF South Sandwich Islands region.
IDC Error ellipse: s-maj=13.1km s-min=10.5km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.7km az=20.7.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=210.0.
MOS Error ellipse: s-maj=21.6km s-min=10.3km az=98.8.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s60,c87; s68,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}5.27±.19 $M_{\theta\theta}$-5.46±.15; $M_{\phi\phi}$0.18±.17; $M_{r\theta}$0.73±.26; $M_{\theta\phi}$2.58±.12; $M_{\phi r}$-2.34±.32; Best double couple: NP1:ϕ_s271.00000°,δ41.00000°,λ58.00000°. NP2:ϕ_s131.00000°,δ56.00000°,λ115.00000°. Principal axes: T 6.1900,Plg68.0000° ,Azm94.0000°; N 0.4700,Plg20.0000°,Azm296.0000°; P -6.6700,Plg8.0000°,Azm203.0000° $M_0$6.40000×10^{16}

(192) New Britain region

ISC	**VI**	**15 00 44 56.5–.33**	**5.44S–.04**	**151.35E–.05**	**57**	**4.8b,3.8s**	**298**	**6-156**
BJI	VI	15 00 44 51.1	5.88S	151.83E	69	4.9b,4.8b		**¶15156131**
AUST	VI	15 00 44 54.4	5.19S	151.60E	60	4.9b,4.8b		
ISCJB	VI	15 00 44 55.0–.21	5.37S–.03	151.28E–.04	57	4.7b,3.9s		
IDC	VI	15 00 44 58.6–1.8	5.44S	151.26E	79–15	4.4,4.4		
NEIC	VI	15 00 44 58.1–1.0	5.38S	151.26E	75–9	4.8b,4.4		
GCMT	VI	15 00 44 59.1–.30	5.67S	151.33E	61–1	4.9W,4.4		
DJA	VI	15 00 45 01.8–1.5	5S–6.0	151E–12	85–13	5.7b,5.4		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c54; s45,c56; Moment tensor: Scale 10^{16}Nm; M_{rr}2.65±.16 $M_{\theta\theta}$-2.95±.11; $M_{\phi\phi}$0.30±.13; $M_{r\theta}$-0.13±.10;

$M_{\theta\theta}$-1.12±.13; $M_{\theta r}$0.16±.10; Best double couple: NP1:ϕ_s67.00000°,δ45.00000°,λ82.00000°. NP2:ϕ_s258.00000°,δ46.00000°,λ97.00000°. Principal axes: T 2.6700,Plg85.0000° ,Azm245.0000°; N 0.6300,Plg5.0000°,Azm73.0000°; P -3.3000,Plg1.0000°,Azm343.0000° M_o3.00000×10^{16}

(704) Nicobar Islands region

ISC	**VI**	**15 12 05 25.6–.28**	**9.04N–.03**	**93.60E–.03**	**32–1**	**5.4b,4.6s**	**1072**	**2-168**
BJI	VI	15 12 05 23.8	9.20N	93.70E	20	5.2b,5.1b		**¶13383487**
MOS	VI	15 12 05 24.6–.86	9.17N	93.62E	33	5.7b,4.6s		
SZGRF	VI	15 12 05 24.7	8.35N	93.28E	33	5.5b,4.6s		
ISCJB	VI	15 12 05 25.2–.42	9.04N–.02	93.62E–.02	42–3	5.3b,4.5s		
DJA	VI	15 12 05 25.8–.40	9N–3.0	94E–5.0	10	5.4b,5.2		
NEIC	VI	15 12 05 26.8–.56	9.05N	93.62E	43–4	5.4b,5.2		
TEH	VI	15 12 05 26.0	9.10N	93.67E	35	5.4L,5.2		
IDC	VI	15 12 05 27.0–1.7	9.12N	93.78E	43–14	4.8,4.8		
GCMT	VI	15 12 05 27.3–.10	9.12N	93.80E	12	5.2W,4.8		
BGS	VI	15 12 05 38.5–1.5	11.20N	92.15E	33	5.2b,4.8		

ISC Event type se.
MOS Error ellipse: s-maj=7.5km s-min=3.8km az=123.3.
SZGRF Nicobar Islands, India, region.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.2km az=34.8.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=208.0.
IDC Error ellipse: s-maj=13.4km s-min=9.7km az=44.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s72,c111; s88,c177; Moment tensor: Scale 10^{16}Nm; M_{rr}-8.12±.13 $M_{\theta\theta}$-0.12±.13; $M_{\phi\phi}$8.24±.12; $M_{r\theta}$2.62±.40; $M_{\theta\phi}$1.66±.11; $M_{\phi r}$-3.04±.34; Best double couple: NP1:ϕ_s208.00000°,δ40.00000°,λ-61.00000°. NP2:ϕ_s352.00000°,δ56.00000°,λ-112.00000°. Principal axes: T 8.9500,Plg9.0000° ,Azm98.0000°; N 0.6000,Plg18.0000°,Azm5.0000°; P -9.5500,Plg70.0000°,Azm213.0000° M_o9.30000×10^{16}
BGS Error ellipse: s-maj=595.0km s-min=492.0km az=-1.0.

(115) Near coast of Peru

ISC	**VI**	**15 13 04 35.7–.31**	**13.67S–.04**	**76.23W–.06**	**42–2**	**5.4b,4.7s**	**670**	**2-173**
ISCJB	VI	15 13 04 33.2–.90	13.53S–.04	76.21W–.04	33–8	5.3b,4.8s		**¶13107621**
MOS	VI	15 13 04 33.5–.93	13.51S	76.26W	32	5.5b,4.7s		
NEIC	VI	15 13 04 36.1–.14	13.56S	76.13W	42	5.4b,5.3W		
BJI	VI	15 13 04 36.0	13.50S	76.10W	42	5.3b,5.1s		
IDC	VI	15 13 04 36.1–.45	13.59S	76.24W	44–3	4.8,4.8		
GCMT	VI	15 13 04 40.5–.10	13.63S	76.67W	52–0	5.4W,4.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.3km az=136.5.
MOS Error ellipse: s-maj=9.3km s-min=5.4km az=105.4.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=2.8km az=52.0. Felt [IV] at Barranca, Ica and Pisco; [III] at Mala; [II] at Lima. Also felt at Chilca, Chincha Alta, Chosica, San Luis and San Vicente de Canete. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s19.00000°,δ28.00000° ,λ99.00000°. NP2:ϕ_s189.00000°,δ62.00000°,λ85.00000°. Principal axes: T 1.1100,Plg72.0000°,Azm87.0000°; N 0.0700,Plg4.0000°,Azm190.0000° ; P -1.1800,Plg17.0000°,Azm282.0000° M_o1.10000×10^{17}
IDC Error ellipse: s-maj=16.5km s-min=9.4km az=61.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s84,c147; s88,c143; Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.03 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-1.26±.02; $M_{r\theta}$-0.06±.02; $M_{\theta\phi}$0.42±.02; $M_{\phi r}$-0.80±.02; Best double couple: NP1:ϕ_s330.00000°,δ31.00000°,λ67.00000°. NP2:ϕ_s176.00000°,δ62.00000°,λ103.00000°. Principal axes: T 1.4100,Plg70.0000° ,Azm115.0000°; N 0.1800,Plg12.0000°,Azm350.0000°; P -1.5900,Plg16.0000° ,Azm257.0000° M_o1.50000×10^{17}

(280) Banda Sea

ISC	**VI**	**16 17 52 41.5–.29**	**4.14S–.03**	**126.38E–.03**	**25–1**	**5.0b,4.2s**	**353**	**3-148**
BJI	VI	16 17 52 32.6	4.87S	127.02E	25	5.0b,4.8b		**¶15156152**
AUST	VI	16 17 52 38.2–1.4	4.15S	126.42E	0–0	5.0b,4.8b		
ISCJB	VI	16 17 52 39.3–.75	4.11S–.02	126.40E–.02	22–5	4.9b,4.2s		
GCMT	VI	16 17 52 41.8–.20	4.05S	126.29E	18–0	5.1W,4.2s		
MOS	VI	16 17 52 41.1–1.2	4.04S	126.37E	33	5.2b,4.1s		
DJA	VI	16 17 52 41.9–.70	4S–2.0	126E–1.0	15–7	5.6b,5.6		
NEIC	VI	16 17 52 43.0–1.2	4.04S	126.35E	39–11	5.0b,5.6		
IDC	VI	16 17 52 44.4–2.1	4.15S	126.24E	51–19	4.7,4.7		

ISC Event type se.
AUST Error ellipse: s-maj=0.8km s-min=0.5km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=149.2.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s42,c58; s88,c151; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.94±.16 $M_{\theta\theta}$-2.69±.11; $M_{\phi\phi}$3.62±.14; $M_{r\theta}$0.92±.29; $M_{\theta\phi}$5.25±.11; $M_{\phi r}$0.94±.28; Best double couple: NP1:ϕ_s344.00000°,δ80.00000°,λ176.00000°. NP2:ϕ_s75.00000°,δ86.00000°,λ10.00000°. Principal axes: T 6.8000,Plg9.0000° ,Azm300.0000°; N -1.1200,Plg80.0000°,Azm95.0000°; P -5.6800,Plg4.0000°,Azm209.0000° M_o6.20000×10^{16}
MOS Error ellipse: s-maj=13.0km s-min=6.2km az=115.4.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.9km az=59.0.
IDC Error ellipse: s-maj=14.6km s-min=9.9km az=55.0.

(412) Bouvet Island region

ISC	**VI**	**16 20 05 58.4–.20**	**54.40S–.04**	**5.87E–.05**	**16**	**5.9s,5.7b**	**579**	**17-168**
MOS	VI	16 20 05 56.2–1.5	54.36S	5.82E	10	5.8s,5.6b		**¶13197177**
IDC	VI	16 20 05 56.2–.33	54.34S	5.93E	0	5.9s,5.9		
NEIC	VI	16 20 05 57.0–.16	54.37S	5.87E	10	6.1W,6.1W		
BJI	VI	16 20 05 56.1	54.40S	5.80E	20	6.1s,5.9b		
ISCJB	VI	16 20 05 57.0–.17	54.36S–.03	5.86E–.07	16	5.9s,5.6b		
DJA	VI	16 20 05 58.7–.70	54S–7.0	6E–21	10	6.4,6.1b		
TEH	VI	16 20 05 58.0	54.36S	5.81E	10	6.0L,6.1b		
GCMT	VI	16 20 06 01.7–.10	54.37S	6.32E	12	6.1W,6.1b		

ISC Event type se.
MOS Error ellipse: s-maj=17.8km s-min=8.1km az=89.2.
IDC Error ellipse: s-maj=13.0km s-min=11.6km az=100.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.6km az=102.0. Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.30 $M_{\theta\theta}$1.89 $M_{\phi\phi}$-1.58 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.42 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s128.00000°,δ90.00000°,λ0.00000°. NP2:ϕ_s218.00000° ,δ90.00000°,λ-180.00000°. Principal axes: T 1.9400,Plg0.0000°,Azm173.0000° ; N -0.3000,Plg89.0000°,Azm300.0000°; P -1.6300,Plg0.0000°,Azm83.0000° M_o1.80000×10^{18}
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.8km az=23.5.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 101 sta. Surface waves: sta=125, comp=282, per= 50. Moment Tensor Solution. s114,c251; s99,c171; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.31±.01 $M_{\theta\theta}$2.11±.01; $M_{\phi\phi}$-1.80±.01; $M_{r\theta}$0.06±.03; $M_{\theta\phi}$0.53±.01; $M_{\phi r}$-0.01±.03; Best double couple: NP1:ϕ_s37.00000°,δ89.00000°,λ179.00000°. NP2:ϕ_s127.00000°,δ89.00000°,λ1.00000°. Principal axes: T 2.1800,Plg1.0000° ,Azm352.0000°; N -0.3200,Plg88.0000°,Azm151.0000°; P -1.8700,Plg1.0000° ,Azm262.0000° M_o2.00000×10^{18}

(7) Andreanof Islands

ISC	**VI**	**17 07 08 18.9–.30**	**51.71N–.05**	**175.27W–.02**	**43–1**	**5.2b,5.1s**	**820**	**1-160**
MOS	VI	17 07 08 16.1–.91	51.71N	175.25W	33	5.4b,5.1s		**¶13568777**
BJI	VI	17 07 08 16.4	52.00N	175.52W	30	5.5b,5.4s		
IDC	VI	17 07 08 17.1–2.7	51.70N	175.25W	28–18	5.1,5.1s		
NEIC	VI	17 07 08 17.5–.14	51.61N	175.23W	31	5.6L,5.5W		
ISCJB	VI	17 07 08 18.2–.29	51.69N–.03	175.22W–.02	52–2	5.2b,5.1s		
GCMT	VI	17 07 08 19.1–.10	51.46N	175.09W	32–0	5.6W,5.1s		
SZGRF	VI	17 07 08 19.6	51.71N	176.70W	33	5.2b,5.1s		
DJA	VI	17 07 08 53.9–6.0	52N–12	175W–28	376–61	5.6b,5.1		

ISC Event type fe.
NEIC Event type fe. Felt on Adak. Moment Tensor Solution. s69 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$-0.07 $M_{r\theta}$1.17 $M_{\theta\phi}$-0.11 $M_{\phi r}$0.43 Best double couple: NP1:ϕ_s76.00000° ,δ64.00000°,λ82.00000°. NP2:ϕ_s274.00000°,δ27.00000°,λ106.00000°. Principal axes: T 2.0800,Plg69.0000°,Azm329.0000°; N -0.1000,Plg7.0000°,Azm79.0000° ; P -1.9700,Plg18.0000°,Azm172.0000° M_o2.00000×10^{17}
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta= 98, comp=202, per= 50. Moment Tensor Solution. s96,c189; s35,c37; Moment tensor: Scale 10^{17}Nm; M_{rr}2.79±.04 $M_{\theta\theta}$-2.53±.04; $M_{\phi\phi}$-0.26±.03; $M_{r\theta}$1.76±.05; $M_{\theta\phi}$-1.20±.02; $M_{\phi r}$1.19±.05; Best double couple: NP1:ϕ_s254.00000°,δ28.00000°,λ103.00000°. NP2:ϕ_s60.00000°,δ63.00000°,λ84.00000°. Principal axes: T 3.5000,Plg71.0000°,Azm316.0000°; N 0.2200,Plg6.0000°,Azm63.0000° ; P -3.7200,Plg18.0000°,Azm155.0000° M_o3.60000×10^{17}
SZGRF Andreanof Islands, Aleutian Islands, United States.

(248) Philippine Islands region

ISC	**VI**	**18 05 17 23.1–.30**	**7.85N–.03**	**126.91E–.04**	**40–2**	**4.8b,4.3s**	**285**	**1-163**
MAN	VI	18 05 17 19	7.83N	127.30E	38	5.5b,4.8s		**¶15156190**
BJI	VI	18 05 17 19.8	7.75N	126.89E	32	4.9b,4.8b		
AUST	VI	18 05 17 21.3	7.99N	127.53E	35	4.9b,4.8b		
NEIC	VI	18 05 17 22.8–.18	7.90N	126.90E	35	4.9b,4.8b		
IDC	VI	18 05 17 22.9–2.3	7.82N	126.70E	38–19	4.6,4.6		
GCMT	VI	18 05 17 23.7–.30	7.73N	127.14E	21–1	5.0W,4.6		
ISCJB	VI	18 05 17 23.9–.53	7.87N–.02	127.00E–.04	62–4	4.8b,4.6		
DJA	VI	18 05 17 33.1–.40	7N–4.0	127E–3.0	10	5.4b,5.2		

ISC Event type fe.
MAN Event type fe. Intensity II - Poblacion.
NEIC Event type fe. Felt [II PIVS] at Tarragona and Tugbok.
GCMT Event type se. Data Used: IU II G IC. Moment Tensor Solution. s28,c31; s60,c79; Moment tensor: Scale 10^{16}Nm; M_{rr}3.56±.28 $M_{\theta\theta}$0.47±.17; $M_{\phi\phi}$-4.03±.19; $M_{r\theta}$0.72±.31; $M_{\theta\phi}$0.22±.12; $M_{\phi r}$1.88±.28; Best double couple: NP1:ϕ_s164.00000°,δ33.00000°,λ69.00000°. NP2:ϕ_s9.00000°,δ59.00000°,λ103.00000°. Principal axes: T 4.1500,Plg73.0000° ,Azm312.0000°; N 0.3200,Plg11.0000°,Azm182.0000°; P -4.4700,Plg13.0000°,Azm89.0000° M_o4.30000×10^{16}
ISCJB Event type fe.

(211) Southeast of Honshu

ISC	**VI**	**18 06 21 05.4–.36**	**31.36N–.03**	**141.81E–.03**	**34–0**	**5.0s,5.0b**	**601**	**2-163**
IDC	VI	18 06 20 59.5–.38	31.23N	141.82E	0	4.9,4.9		**¶13197395**
NIED	VI	18 06 21 00	31.30N	142.10E	5	5.1W,4.9		
JMA	VI	18 06 21 00.7–.20	31.32N	142.11E	38	5.4,4.9		
BJI	VI	18 06 21 02.9	31.35N	141.85E	41	5.2s,5.1b		
ISCJB	VI	18 06 21 04.4–.15	31.32N–.02	141.74E–.02	37	5.0s,5.0b		
MOS	VI	18 06 21 05.4–.89	31.67N	141.77E	33	5.2b,4.9s		
GCMT	VI	18 06 21 05.6–.20	31.18N	142.04E	12	5.1W,4.9s		
NEIC	VI	18 06 21 06.0–.38	31.30N	141.75E	39–3	5.0b,5.0W		
DJA	VI	18 06 21 13.5–2.4	31N–10	142E–13	89–22	5.7b,5.2b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ61.00000°,λ119.00000°. NP2:ϕ_s183.00000°,δ40.00000°,λ49.00000°. M_o4.57000×10^{16}
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s55,c77; s94,c159; Moment tensor: Scale 10^{16}Nm; M_{rr}4.92±.10 $M_{\theta\theta}$-0.33±.10; $M_{\phi\phi}$-4.59±.10; $M_{r\theta}$2.97±.35; $M_{\theta\phi}$-1.20±.09; $M_{\phi r}$3.33±.29; Best double couple: NP1:ϕ_s180.00000°,δ27.00000°,λ62.00000°. NP2:ϕ_s32.00000°,δ66.00000°,λ104.00000°. Principal axes: T 6.8600,Plg66.0000° ,Azm326.0000°; N -0.4700,Plg13.0000°,Azm206.0000°; P -6.3900,Plg20.0000° ,Azm111.0000° M_o6.60000×10^{16}
NEIC Event type se. Moment Tensor Solution. M_o4.60000×10^{16}

(371) Eastern Mediterranean Sea

ISC	**VI**	**19 14 05 00.4–.15**	**35.32N–.01**	**28.48E–.01**	**41–1**	**5.5s,5.5b**	**2381**	**1-168**
BGS	VI	19 14 04 43.8–1.8	34.17N	29.85E	33	5.4s,5.3b		**¶13197437**
SZGRF	VI	19 14 04 54.0	35.66N	28.68E	33	5.4b,5.3s		
NSSC	VI	19 14 04 56.4–1.6	35.35N	28.62E	0–126	4.9L,2.3		
MOS	VI	19 14 04 56.1–1.1	35.22N	28.36E	23	5.7b,5.5s		
ISK	VI	19 14 04 56.2	35.07N	28.38E	41	5.7L,5.5s		
DDA	VI	19 14 04 57.0	35.25N	28.30E	24	5.6L,5.5s		
HLW	VI	19 14 04 57.7	35.44N	28.59E	32–10	5.6L,5.1		
ISCJB	VI	19 14 04 58.9–.15	35.27N–.01	28.466E–.01	44–1	5.5s,5.4b		
BJI	VI	19 14 04 58.1	35.56N	28.19E	37	5.7b,5.6s		
IGIL	VI	19 14 04 58.8	35.21N	28.40E	40	5.3b,5.6s		
NEIC	VI	19 14 04 59.0–.15	35.36N	28.45E	28	5.8W,5.7L		
IDC	VI	19 14 04 59.8–2.4	35.49N	28.39E	27–16	5.4s,5.4		
PDA	VI	19 14 04 59.5	35.40N	28.40E	32	5.9b,5.4		
CSEM	VI	19 14 04 59.5–.06	35.23N	28.47E	33	5.7W,5.5b		
PDG	VI	19 14 05 00.0–.48	35.36N	28.51E	28–2	5.4L,5.5b		
SFS	VI	19 14 05 00.0	35.38N	28.39E	40	5.9L,5.5b		
THE	VI	19 14 05 01.3	35.32N	28.58E	31–7	5.5L,5.5b		
TEH	VI	19 14 05 01.0	35.61N	28.39E	40	5.9L,5.5b		
ATH	VI	19 14 05 02.3	35.46N	28.31E	42–2	5.4L,5.5b		
NIC	VI	19 14 05 03.1–.20	35.38N	28.76E	25	5.5L,5.5b		
GCMT	VI	19 14 05 04.3–.10	35.11N	28.49E	22	5.7W,5.5b		

ISC Event type fe.
BGS Error ellipse: s-maj=689.8km s-min=590.7km az=-1.0.
SZGRF Eastern Mediterranean Sea.
NSSC Error ellipse: s-maj=20.4km s-min=228.6km az=-1.0.
MOS Error ellipse: s-maj=4.2km s-min=2.3km az=108.1.
DDA Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.2km az=20.5.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.6km az=200.0. Felt [III] at Izmir, Turkey. Also felt at Alanya and Kusadasi. Felt [II] at Cairo, Egypt. Also felt at Alexandria and Al Jizah. Felt at Bucharest, Romania; Limassol, Cyprus; Rhodes, Greece. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s250.00000°,δ60.00000° ,λ-50.00000°. NP2:ϕ_s11.00000°,δ48.00000°,λ-138.00000°. Principal axes: T Plg7.0000° ,Azm313.0000°; N Plg0.0000°,Azm0.0000°; P Plg55.0000°,Azm213.0000° Moment Tensor Solution. s65 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.71 $M_{\theta\theta}$1.50 $M_{\phi\phi}$1.21 $M_{r\theta}$0.39 $M_{\theta\phi}$2.87 $M_{\phi r}$-0.92 Best double couple: NP1:ϕ_s21.00000°,δ54.00000°,λ-126.00000°. NP2:ϕ_s253.00000° ,δ49.00000°,λ-51.00000°. Principal axes: T 4.2500,Plg2.0000°,Azm135.0000° ; N -1.0100,Plg28.0000°,Azm44.0000°; P -3.2400,Plg61.0000°,Azm231.0000° M_o3.80000×10^{17}
IDC Error ellipse: s-maj=9.9km s-min=9.4km az=160.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=25.0.
PDG Event type ke. Error ellipse: s-maj=1.9km s-min=2.8km az=0.0.
SFS Event type ke.
THE Event type ke. Error ellipse: s-maj=7.2km s-min=0.9km az=73.0.
ATH Error ellipse: s-maj=1.4km s-min=3.0km az=-1.0.
NIC Moment Tensor Solution. M_o2.60000×10^{15}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=222, per= 50. Moment Tensor Solution. s93,c172; s61,c74; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.71±.07 $M_{\theta\theta}$1.76±.05; $M_{\phi\phi}$1.94±.06; $M_{r\theta}$-0.10±.10; $M_{\theta\phi}$3.73±.05; $M_{\phi r}$-1.70±.11; Best double couple: NP1:ϕ_s248.00000°,δ42.00000°,λ-54.00000°. NP2:ϕ_s23.00000°,δ57.00000°,λ-118.00000°. Principal axes: T 5.7600,Plg8.0000°,Azm133.0000°; N -1.4000,Plg24.0000°,Azm40.0000° ; P -4.3700,Plg65.0000°,Azm240.0000° M_o5.10000×10^{17}

(229) Off east coast of Honshu

ISC	**VI**	**20 02 52 58.1–.29**	**39.15N–.03**	**143.25E–.03**	**25–1**	**5.3s,5.2b**	**994**	**1-155**
IDC	VI	20 02 52 53.5–.46	39.06N	143.38E	0	4.9,4.9		**¶13201577**
ISCJB	VI	20 02 52 55.6–.56	39.11N–.02	143.28E–.02	18–3	5.2s,5.1b		
BJI	VI	20 02 52 55.3	39.19N	143.09E	17	5.5b,5.4s		
JMA	VI	20 02 52 55.8–.20	39.09N	143.36E	26–4	5.4,5.4s		
NEIC	VI	20 02 52 57.4–1.4	39.09N	143.20E	22–9	5.2W,5.1b		
SZGRF	VI	20 02 52 57.7	39.82N	144.39E	33	5.3b,5.3s		
TEH	VI	20 02 52 58.0	39.24N	143.10E	21	5.1L,5.3s		
MOS	VI	20 02 52 59.1–.84	39.37N	143.15E	33	5.5b,5.4s		
NIED	VI	20 02 53 00	39.10N	143.40E	23	5.3W,5.4s		
GCMT	VI	20 02 53 00.8–.20	39.16N	143.44E	22–0	5.3W,5.4s		
DJA	VI	20 02 53 05.6–3.7	39N–9.0	143E–14	94–34	5.7b,5.2		

ISC Event type fe.
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Felt at Misawa. Recorded [2 JMA] in Iwate and [1 JMA] in Akita, Aomori and Miyagi. Moment Tensor Solution. M_o9.40000×10^{16}
SZGRF Off east coast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ63.00000°,λ91.00000°. NP2:ϕ_s199.00000°,δ27.00000°,λ87.00000°. M_o9.35000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c108; s91,c166; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s196.00000°,δ18.00000°,λ85.00000°. NP2:ϕ_s22.00000° ,δ72.00000°,λ92.00000°. Principal axes: T 1.1400,Plg63.0000°,Azm294.0000° ; N 0.0500,Plg2.0000°,Azm201.0000°; P -1.1900,Plg27.0000°,Azm110.0000° M_o1.20000×10^{17}

(274) Southern Sumatera

ISC	**VI**	**20 09 21 25.0–.21**	**4.93S–.03**	**103.12E–.03**	**55–1**	**5.8b,4.7s**	**1605**	**1-177**
MOS	VI	20 09 21 21.4–.93	4.80S	103.18E	33	6.1b,4.7s		**¶13383522**
BJI	VI	20 09 21 23.5	5.00S	103.00E	43	5.9b,5.3b		
NEIC	VI	20 09 21 23.9–.56	4.99S	103.05E	46–4	5.8b,5.4W		
DJA	VI	20 09 21 25.2–.30	5S–2.0	103E–2.0	48–3	6.1b,6.0		
TEH	VI	20 09 21 25.0	4.97S	103.04E	55	5.6L,6.0		
ISCJB	VI	20 09 21 25.1–.34	4.95S–.02	103.10E–.02	69–2	5.8b,6.0		
IDC	VI	20 09 21 25.7–.35	4.90S	103.17E	59–2	5.4,5.4b		
GCMT	VI	20 09 21 27.5–.10	5.31S	102.89E	60–0	5.4W,5.4b		

ISC Event type fe.

MOS Error ellipse: s-maj=7.6km s-min=4.2km az=117.7.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=54.0. Felt [V] at Bintuhan, [IV] at Bengkulu and [III] at Kapahiang, Liwa, Pagaralam and Pasarseluma. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}1.68 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$-1.09 $M_{r\theta}$0.61 $M_{\theta\phi}$0.50 $M_{\phi r}$-0.21 Best double couple: NP1:ϕ_s337.00000°,δ37.00000°,λ107.00000°. NP2: ϕ_s136.00000°,δ55.00000°,λ78.00000°. Principal axes: T 1.8400,Plg76.0000°,Azm7.0000° ; N -0.3500,Plg10.0000°,Azm143.0000°; P -1.4800,Plg9.0000°,Azm235.0000° $M_0$1.70000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=37.1.
IDC Error ellipse: s-maj=8.2km s-min=6.1km az=49.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 87, comp=159, per= 50. Moment Tensor Solution. s91,c159; s16,c16; Moment tensor: Scale 10^{17}Nm; M_{rr}1.28±.03 $M_{\theta\theta}$-1.01±.02; $M_{\phi\phi}$-0.27±.03; $M_{r\theta}$0.78±.02; $M_{\theta\phi}$0.83±.02; $M_{\phi r}$-0.37±.02; Best double couple: NP1:ϕ_s309.00000°,δ30.00000°,λ100.00000°. NP2:ϕ_s118.00000°,δ61.00000°,λ84.00000°. Principal axes: T 1.5300,Plg74.0000°,Azm14.0000°; N 0.2600,Plg5.0000°,Azm121.0000° ; P -1.7900,Plg16.0000°,Azm212.0000° $M_0$1.70000×10^{17}

(643) Svalbard region

ISC	VI	22 18 15 40.4–.23	76.32N–.02	7.00E–.02	14–1	5.3b,4.9s	1629	2-152
BJI	VI	22 18 15 36.0	76.20N	6.80E	10	5.4s,5.3b	¶14931608	
NAO	VI	22 18 15 36.4–1.6	76.23N	7.46E		4.6L,5.3b		
BGS	VI	22 18 15 37.7–1.6	76.44N	6.73E	10	5.1b,5.3b		
IDC	VI	22 18 15 38.0–.34	76.27N	7.04E	0	4.9,4.9		
MOS	VI	22 18 15 37.8–1.0	76.25N	6.79E	10	5.5b,4.7s		
BER	VI	22 18 15 39.0–3.2	76.28N	7.44E	10	5.1W,4.6L		
ISCJB	VI	22 18 15 39.5–.09	76.27N–.01	6.81E–.07	19	5.3b,4.9s		
CSEM	VI	22 18 15 39.3–.05	76.26N	6.83E	10	5.4b,5.4W		
NEIC	VI	22 18 15 39.9–.11	76.22N	6.79E	10	5.5b,5.3W		
PDA	VI	22 18 15 40.0	76.24N	6.80E	10	5.4b,5.3W		
TEH	VI	22 18 15 40.0	76.25N	6.83E	10	5.4L,5.3W		
GCMT	VI	22 18 15 40.4–.10	76.27N	6.69E	12	5.4W,5.3W		
DJA	VI	22 18 16 02.2–6.2	76N–14	9E–28	183–48	5.5b,5.0		

ISC Event type ke.
ISCJB Event type ke.
CSEM Event type ke.
NEIC Event type se.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=102, comp=199, per= 50. Moment Tensor Solution. s59,c88; s21,c21; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.42±.02 $M_{\theta\theta}$0.08±.02; $M_{\phi\phi}$1.34±.02; $M_{r\theta}$-0.30±.06; $M_{\theta\phi}$0.45±.02; $M_{\phi r}$-0.55±.05; Best double couple: NP1:ϕ_s193.00000°,δ34.00000°,λ-98.00000°. NP2:ϕ_s22.00000°,δ57.00000°,λ-85.00000°. Principal axes: T 1.6100,Plg11.0000°,Azm109.0000°; N -0.0600,Plg4.0000°,Azm200.0000° ; P -1.5500,Plg78.0000°,Azm309.0000° $M_0$1.60000×10^{17}

(643) Svalbard region

ISC	VI	22 19 05 17.6–.30	76.30N–.03	6.86E–.03	16–1	5.1b,4.5s	1120	2-148
NAO	VI	22 19 05 13.8–1.6	76.22N	7.53E		4.3L,4.5s	¶13217739	
BJI	VI	22 19 05 14.3	76.54N	7.17E	7	5.2b,5.0s		
CSEM	VI	22 19 05 15.4–.05	76.27N	7.03E	2	5.1b,5.1W		
MOS	VI	22 19 05 15.3–.92	76.22N	6.91E	10	5.3b,4.3s		
BER	VI	22 19 05 15.5	76.23N	7.35E	10	4.3L,3.3		
IDC	VI	22 19 05 15.2–.37	76.25N	7.22E	0	4.6,4.6		
ISCJB	VI	22 19 05 16.8–.11	76.25N–.02	7.04E–.08	20	5.0b,4.5s		
NEIC	VI	22 19 05 17.2–.11	76.23N	7.00E	10	5.2b,4.5s		
PDA	VI	22 19 05 17.3	76.20N	6.90E	10	5.1b,4.5s		
GCMT	VI	22 19 05 18.0–.20	76.21N	6.63E	12	5.1W,4.5s		
SZGRF	VI	22 19 05 24.8	75.59N	7.96E	26	5.4b,4.1s		
DJA	VI	22 19 05 33.3–6.4	76N–14	8E–29	141–50	5.6b,5.1		

ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s37,c44; s92,c156; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.21±.11 $M_{\theta\theta}$0.76±.11; $M_{\phi\phi}$4.45±.11; $M_{r\theta}$-0.70±.36; $M_{\theta\phi}$2.26±.10; $M_{\phi r}$-1.23±.31; Best double couple: NP1:ϕ_s204.00000°,δ38.00000°,λ-92.00000°. NP2:ϕ_s27.00000°,δ52.00000°,λ-89.00000°. Principal axes: T 5.7000,Plg7.0000° ,Azm115.0000°; N -0.3100,Plg1.0000°,Azm206.0000°; P -5.4000,Plg83.0000° ,Azm305.0000° $M_0$5.60000×10^{16}
SZGRF Greenland Sea.

(7) Andreanof Islands

ISC	VI	22 19 55 24.5–.28	51.30N–.04	178.22W–.02	40–1	5.5b,5.2s	1331	1-160
BJI	VI	22 19 55 21.6	51.68N	178.15W	30	5.6b,5.5b	¶13441376	
BGS	VI	22 19 55 22.5–1.4	51.07N	176.95W	33	5.2b,5.1s		
MOS	VI	22 19 55 22.3–.84	51.29N	178.14W	33	5.8b,5.2s		
SZGRF	VI	22 19 55 23.5	51.29N	179.54W	33	5.7b,5.2s		
ISCJB	VI	22 19 55 24.2–.38	51.29N–.03	178.15W–.02	48–3	5.5b,5.2s		
IDC	VI	22 19 55 24.8–1.1	51.36N	178.18W	40–8	5.1s,5.1		
NEIC	VI	22 19 55 24.3–.11	51.28N	178.20W	35	5.6b,5.6W		
DJA	VI	22 19 55 25.7–3.5	51N–8.0	178W–11	51–31	5.8b,5.4b		
GCMT	VI	22 19 55 26.0–.10	51.27N	178.13W	17–0	5.7W,5.4b		

ISC Event type se.
BGS Error ellipse: s-maj=174.1km s-min=760.5km az=-1.0.
MOS Error ellipse: s-maj=7.0km s-min=3.8km az=97.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.2km az=0.5.
IDC Error ellipse: s-maj=10.5km s-min=7.1km az=156.0.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.0km az=180.0. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$0.07 $M_{r\theta}$1.74 $M_{\theta\phi}$0.00 $M_{\phi r}$0.37 Best double couple: NP1:ϕ_s79.00000°,δ78.00000°,λ85.00000°. NP2:ϕ_s283.00000° ,δ13.00000°,λ113.00000°. Principal axes: T 1.9200,Plg56.0000°,Azm342.0000° ; N 0.0400,Plg4.0000°,Azm80.0000°; P -1.9600,Plg33.0000°,Azm173.0000° $M_0$1.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=205, per= 50. Moment Tensor Solution. s83,c147; s24,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}1.47±.04 $M_{\theta\theta}$-1.54±.03; $M_{\phi\phi}$0.07±.03; $M_{r\theta}$4.32±.24; $M_{\theta\phi}$0.16±.02; $M_{\phi r}$1.02±.10; Best double couple: NP1:ϕ_s291.00000°,δ11.00000°,λ123.00000°. NP2:ϕ_s78.00000°,δ81.00000°,λ84.00000°. Principal axes: T 4.7200,Plg54.0000°,Azm341.0000°; N -0.0600,Plg6.0000°,Azm79.0000° ; P -4.6600,Plg36.0000°,Azm173.0000° $M_0$4.70000×10^{17}

(7) Andreanof Islands

ISC	VI	22 21 05 33.1–.30	51.28N–.04	178.19W–.02	26–1	5.5b,4.9s	1329	1-159
BJI	VI	22 21 05 29.3	51.50N	177.95W	23	5.6b,5.5b	¶13217751	
IDC	VI	22 21 05 33.3–1.4	51.40N	178.16W	25–7	5.1,5.1		
MOS	VI	22 21 05 33.1–.89	51.45N	178.17W	33	5.9b,4.9s		
NEIC	VI	22 21 05 33.9–.14	51.35N	178.25W	29	5.5b,5.4W		
ISCJB	VI	22 21 05 33.9–.40	51.36N–.03	178.16W–.02	40–3	5.5b,4.9s		
GCMT	VI	22 21 05 35.7–.10	51.15N	178.01W	33–0	5.4W,4.9s		
SZGRF	VI	22 21 05 44.2	52.70N	179.92W	33	5.6b,4.9s		
DJA	VI	22 21 05 56.2–5.2	51N–10	178W–21	245–46	5.5b,5.0b		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$-0.11 $M_{r\theta}$0.67 $M_{\theta\phi}$-0.40 $M_{\phi r}$0.18 Best double couple: NP1:ϕ_s73.00000° ,δ59.00000°,λ91.00000°. NP2:ϕ_s251.00000°,δ31.00000°,λ88.00000°. Principal axes: T 1.4800,Plg75.0000°,Azm347.0000°; N 0.0200,Plg1.0000°,Azm252.0000° ; P -1.5000,Plg13.0000°,Azm162.0000° $M_0$1.50000×10^{17}
ISCJB Event type se.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 99, comp=194, per= 50. Moment Tensor Solution. s91,c172; s15,c15; Moment tensor: Scale 10^{17}Nm; M_{rr}1.33±.03 $M_{\theta\theta}$-1.31±.02; $M_{\phi\phi}$-0.02±.02; $M_{r\theta}$0.88±.03; $M_{\theta\phi}$-0.56±.02; $M_{\phi r}$0.70±.03; Best double couple: NP1:ϕ_s263.00000°,δ28.00000°,λ112.00000°. NP2:ϕ_s58.00000°,δ64.00000°,λ79.00000°. Principal axes: T 1.7600,Plg68.0000°,Azm306.0000°; N 0.1300,Plg10.0000°,Azm63.0000° ; P -1.8800,Plg19.0000°,Azm156.0000° $M_0$1.80000×10^{17}
SZGRF Andreanof Islands, Aleutian Islands, United States.

(228) Near east coast of eastern Honshu

ISC	VI	23 07 37 18.6–.27	38.89N–.02	142.46E–.03	47–1	5.6b,5.1s	1404	1-163
NIED	VI	23 07 37 00	38.90N	142.50E	44	5.6W,5.1s	¶13441388	
MOS	VI	23 07 37 15.9–.83	38.94N	142.45E	33	5.8b,5.1s		
BJI	VI	23 07 37 15.7	38.92N	142.44E	39	5.4b,5.3b		
ISCJB	VI	23 07 37 17.9–.25	38.89N–.02	142.42E–.02	51–2	5.6b,5.1s		
NEIC	VI	23 07 37 17.6–.09	38.85N	142.39E	37	5.7b,5.6W		
JMA	VI	23 07 37 17.2–.10	38.90N	142.53E	39–2	5.6,5.6W		
IDC	VI	23 07 37 18.7–.42	38.84N	142.45E	49–3	5.1,5.1		
TEH	VI	23 07 37 19.0	38.89N	142.40E	47	5.7L,5.1		
BGS	VI	23 07 37 19.5–1.4	38.98N	140.93E	33	5.4b,5.2s		
GCMT	VI	23 07 37 20.1–.10	38.88N	142.51E	36–0	5.6W,5.2s		
SZGRF	VI	23 07 37 24.4	39.95N	143.27E	50	5.6b,5.2s		
DJA	VI	23 07 38 04.7–3.4	38N–13	141E–17	447–52	5.2b,4.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s85.00000°,δ48.00000°,λ113.00000°. NP2:ϕ_s232.00000°,δ47.00000°,λ66.00000°. $M_0$2.49000×10^{17}
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Shiwa and [III] at Sendai. Also felt at Misawa, Soma and Utsunomiya. Recorded [4 JMA] in Iwate and Miyagi; [2 JMA] in Akita, Aomori, Fukushima and Yamagata; [1 JMA] in Ibaraki and Tochigi. Also recorded [1 JMA] in eastern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s77 Moment tensor: Scale 10^{17}Nm; M_{rr}2.76 $M_{\theta\theta}$-2.07 $M_{\phi\phi}$-0.69 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.96 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s231.00000° ,δ50.00000°,λ75.00000°. NP2:ϕ_s74.00000°,δ42.00000°,λ107.00000°. Principal axes: T 2.9200,Plg77.0000°,Azm79.0000°; N -0.3300,Plg11.0000°,Azm240.0000° ; P -2.5900,Plg3.0000°,Azm331.0000° $M_0$2.80000×10^{17} Moment Tensor Solution. $M_0$2.50000×10^{17}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s95.00000°,δ57.00000°,λ123.00000°. NP2:ϕ_s225.00000°,δ46.00000°,λ50.00000°. Principal axes: T Plg62.0000°,Azm60.0000°; N Plg27.0000°,Azm255.0000°; P Plg6.0000° ,Azm162.0000°
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=214, per= 50. Moment Tensor Solution. s97,c182; s42,c45; Moment tensor: Scale 10^{17}Nm; M_{rr}2.53±.04 $M_{\theta\theta}$-2.56±.03; $M_{\phi\phi}$0.03±.03; $M_{r\theta}$0.43±.04; $M_{\theta\phi}$-1.10±.02; $M_{\phi r}$-0.78±.04; Best double couple: NP1:ϕ_s231.00000°,δ47.00000°,λ62.00000°. NP2:ϕ_s89.00000°,δ50.00000°,λ117.00000°. Principal axes: T 2.8500,Plg70.0000°,Azm66.0000°; N 0.1200,Plg20.0000°,Azm251.0000° ; P -2.9700,Plg1.0000°,Azm160.0000° $M_0$2.90000×10^{17}
SZGRF Off east coast of Honshu, Japan.

(407) North of Ascension Island

ISC	VI	24 11 12 22.6–.54	0.19N–.06	16.88W–.06	15–2	5.0b,4.7s	526	13-158
MOS	VI	24 11 12 20.3–.90	0.21N	16.84W	10	5.5b,4.8s	¶13232218	
IDC	VI	24 11 12 20.2–.42	0.25N	16.91W	0	4.9L,4.7		
ISCJB	VI	24 11 12 20.3–1.2	0.15N–.04	16.82W–.05	11–7	5.0b,4.7s		
SZGRF	VI	24 11 12 20.1	1.04S	16.15W	37	5.1b,4.6s		
BJI	VI	24 11 12 21.6	0.20N	16.90W	10	5.5b,5.4b		
NEIC	VI	24 11 12 22.0–.25	0.18N	16.88W	10	5.2b,5.4b		
GCMT	VI	24 11 12 26.4–.10	0.30N	17.02W	17–0	5.3W,5.4b		

ISC Event type se.
MOS Error ellipse: s-maj=11.6km s-min=3.6km az=65.9.
IDC Error ellipse: s-maj=14.2km s-min=10.8km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.3km az=40.7.
SZGRF North of Ascension Island.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.0km az=135.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s61,c94; s95,c173; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s78.00000°,δ66.00000°,λ156.00000°. NP2:ϕ_s178.00000° ,δ68.00000°,λ26.00000°. Principal axes: T 1.0300,Plg33.0000°,Azm38.0000° ; N 0.1200,Plg57.0000°,Azm216.0000°; P -1.1500,Plg1.0000°,Azm307.0000° $M_0$1.10000×10^{17}

(410) Southern Mid-Atlantic Ridge

ISC	VI	25 12 34 19.1–.66	23.83S–.06	13.45W–.06	19–2	5.2b,4.8s	484	28-153
BJI	VI	25 12 34 15.4	23.80S	13.50W	10	5.5b,5.3s	¶13256749	
IDC	VI	25 12 34 16.2–.36	23.85S	13.41W	0	4.7s,4.7		
MOS	VI	25 12 34 16.4–.85	23.72S	13.48W	10	5.4b,4.8s		
NEIC	VI	25 12 34 17.8–.16	23.81S	13.43W	10	5.3b,4.8s		
ISCJB	VI	25 12 34 18.3–.25	23.71S–.05	13.49W–.05	21	5.0b,4.8s		
TEH	VI	25 12 34 18.0	23.76S	13.53W	10	5.2L,4.8s		
GCMT	VI	25 12 34 19.1–.20	23.90S	13.34W	12	5.3W,4.8s		
SZGRF	VI	25 12 34 24.4	22.96S	11.76W	24	5.2b,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=10.3km az=158.0.
MOS Error ellipse: s-maj=12.7km s-min=5.4km az=73.2.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.2km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=6.2km az=139.4.
GCMT Event type se. Data Used: II IU IC G. Surface waves from 101 sta. Moment Tensor Solution. s60,c86; s99,c182; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04±.02 $M_{\theta\theta}$0.15±.02; $M_{\phi\phi}$0.89±.02; $M_{r\theta}$-0.33±.05; $M_{\theta\phi}$-0.28±.01; $M_{\phi r}$0.17±.05; Best double couple: NP1: ϕ_s353.00000°,δ39.00000°,λ-71.00000°. NP2:ϕ_s149.00000°,δ54.00000°,λ-105.00000°. Principal axes: T 1.0200,Plg8.0000°,Azm249.0000°; N 0.1100,Plg12.0000°,Azm158.0000° ; P -1.1300,Plg76.0000°,Azm12.0000° $M_0$1.10000×10^{17}
SZGRF Southern Mid-Atlantic Ridge.

(170) Samoa Islands

ISC	VI	26 15 30 16.5–.35	15.36S–.06	172.09W–.05	46–2	5.2b,4.5s	726	1-174
IDC	VI	26 15 30 10.2–.36	15.40S	172.10W	0	5.0,5.0	¶13383568	
DJA	VI	26 15 30 13.3–.40	16S–7.0	172W–7.0	15	5.5,5.4		
ISCJB	VI	26 15 30 15.3–.20	15.24S–.05	171.97W–.05	45	5.1b,4.5s		
SZGRF	VI	26 15 30 15.7	15.79S	171.91W	33	5.1b,4.5s		
NEIC	VI	26 15 30 17.0–.19	15.20S	172.18W	48	5.3b,4.5s		
BJI	VI	26 15 30 16.1	15.45S	172.36W	47	5.4b,5.3s		
GCMT	VI	26 15 30 17.2–.20	15.36S	171.83W	17–0	5.2W,5.3s		
MOS	VI	26 15 30 21.4–1.2	14.51S	171.79W	68	5.5b,4.3s		

ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=10.9km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.8km az=138.3.
SZGRF Samoa Islands region.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.3km az=146.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s57,c86; s91,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.54±.25 $M_{\theta\theta}$1.71±.18; $M_{\phi\phi}$5.83±.19; $M_{r\theta}$1.37±.47; $M_{\theta\phi}$-4.16±.12; $M_{\phi r}$1.14±.43; Best double couple: NP1:ϕ_s315.00000°,δ46.00000°,λ-110.00000°. NP2:ϕ_s162.00000°,δ48.00000°,λ-71.00000°. Principal axes: T 8.4200,Plg1.0000° ,Azm238.0000°; N -0.4300,Plg14.0000°,Azm329.0000°; P -7.9800,Plg76.0000° ,Azm145.0000° $M_0$8.20000×10^{16}
MOS Error ellipse: s-maj=14.4km s-min=8.4km az=71.1.

(248) Philippine Islands region

ISC	VI	27 06 33 52.3–.52	19.12N–.03	121.20E–.04	31–3	4.9b,4.2s	434	1-171
IDC	VI	27 06 33 47.0–.41	19.04N	121.12E	0	5.2L,4.8	¶13306954	
BJI	VI	27 06 33 47.5	19.21N	121.22E	7	4.8b,4.7b		
NEIC	VI	27 06 33 48.8–.16	19.09N	121.11E	10	5.0b,4.7b		
MOS	VI	27 06 33 50.7–.98	19.10N	121.15E	33	5.1b,4.1s		
ISCJB	VI	27 06 33 51.3–.14	19.19N–.02	121.09E–.03	33	4.8b,4.3s		
MAN	VI	27 06 33 52	19.03N	120.94E	10	5.6b,5.0s		
DJA	VI	27 06 34 06.8–1.3	19N–5.0	121E–6.0	130–13	5.2b,4.8b		

ISC Event type fe.
NEIC Event type fe. Felt [II PIVS] at Laoag and Pasuquin, Luzon.
ISCJB Event type fe.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE; LAOAG CITY.

(410) Southern Mid-Atlantic Ridge

ISC	VI	27 15 45 49.0–.23	33.00S–.05	15.92W–.05	10	5.5b,5.3s	877	19-163
IDC	VI	27 15 45 47.9–.35	33.10S	15.92W	0	5.2,5.2	¶13383579	
ISCJB	VI	27 15 45 47.9–.20	33.15S–.04	15.99W–.04	10	5.4b,5.2s		
MOS	VI	27 15 45 48.3–.93	33.10S	15.87W	10	5.7b,5.0s		
NEIC	VI	27 15 45 49.1–.21	33.20S	15.94W	13	5.6b,5.6W		
TEH	VI	27 15 45 49.0	33.01S	15.97W	10	5.5L,5.6W		
DJA	VI	27 15 45 52.4–.80	33S–11	16W–12	15	5.8b,5.4		
BJI	VI	27 15 45 52.0	33.00S	16.00W	30	5.7s,5.5b		
GCMT	VI	27 15 45 55.0–.10	33.09S	15.78W	12	5.5W,5.5b		
SZGRF	VI	27 15 45 57.3	32.50S	14.24W	33	5.5b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=13.1km s-min=10.9km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.2km az=167.2.
MOS Error ellipse: s-maj=13.3km s-min=5.0km az=74.6.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.9km az=139.0. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84 $M_{\theta\theta}$2.73 $M_{\phi\phi}$-1.89 $M_{r\theta}$-0.36 $M_{\theta\phi}$-1.43 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s241.00000°,δ89.00000°,λ174.00000°. NP2:ϕ_s331.00000° ,δ84.00000°,λ1.00000°. Principal axes: T 3.1700,Plg4.0000°,Azm195.0000° ; N -0.8600,Plg83.0000°,Azm52.0000°; P -2.3000,Plg3.0000°,Azm286.0000° $M_0$2.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=211, per= 50. Moment Tensor Solution. s78,c123; s62,c68; Moment tensor: Scale 10^{17}Nm; M_{rr}2.71±.03 $M_{\theta\theta}$-0.69±.03; $M_{\phi\phi}$-2.03±.03; $M_{r\theta}$-0.24±.07; $M_{\theta\phi}$-0.44±.02; $M_{\phi r}$-0.69±.07; Best double couple: NP1:ϕ_s16.00000°,δ37.00000°,λ89.00000°. NP2:ϕ_s197.00000°,δ53.00000°,λ91.00000°. Principal axes: T 2.8200,Plg82.0000°,Azm110.0000°; N -0.5600,Plg0.0000°,Azm17.0000° ; P -2.2700,Plg8.0000°,Azm287.0000° $M_0$2.50000×10^{17}

SZGRF Southern Mid-Atlantic Ridge.

(265) Minahassa Peninsula, Sulawesi

ISC	**VI**	**28 14 18 44.9–.25**	**1.37N–.03**	**122.35E–.04**	**38**	**5.0s,4.9b**	**303**	**1-171**
BJI	VI	28 14 18 38.3	0.75N	122.51E	33	5.2s,5.0b		**¶13307260**
IDC	VI	28 14 18 39.2–.39	1.35N	122.28E	0	5.1s,5.0L		
MOS	VI	28 14 18 42.4–.96	1.38N	122.34E	33	5.1b,5.0L		
ISCJB	VI	28 14 18 43.2–.17	1.41N–.02	122.34E–.03	38	5.0s,4.8b		
NEIC	VI	28 14 18 44.5–.66	1.34N	122.29E	35–6	5.0b,4.8b		
DJA	VI	28 14 18 46.2–.30	1N–3.0	122E–2.0	42–4	5.9,5.8		

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

(265) Minahassa Peninsula, Sulawesi

ISC	**VI**	**28 14 19 29.1–.32**	**1.35N–.03**	**122.28E–.05**	**30–1**	**5.4b,5.1s**	**343**	**7-171**
ISCJB	VI	28 14 19 24.9–.93	1.36N–.03	122.23E–.04	13–5	5.4b,5.1s		**¶13682200**
IDC	VI	28 14 19 29.5–1.8	1.37N	122.22E	33–13	5.5L,5.0		
NEIC	VI	28 14 19 30.0–.77	1.38N	122.20E	37–7	5.5b,5.5W		
GCMT	VI	28 14 19 32.3–.10	1.67N	122.22E	26–0	5.7W,5.5W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.2km az=164.9.
IDC Error ellipse: s-maj=13.6km s-min=8.2km az=72.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.9km az=72.0. Felt [III] at Gorontalo and Tolitoli. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}0.39 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-0.09 $M_{r\theta}$-1.94 $M_{\theta\phi}$-0.54 $M_{\phi r}$-0.34 Best double couple: NP1:ϕ_s15.00000°,δ14.00000° ,λ26.00000°. NP2:ϕ_s259.00000°,δ84.00000°,λ103.00000°. Principal axes: T 2.0200,Plg49.0000°,Azm183.0000°; N 0.1000,Plg12.0000°,Azm78.0000° ; P -2.1200,Plg37.0000°,Azm338.0000° $M_0$2.10000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=101, comp=200, per= 50. Moment Tensor Solution. s89,c164; s47,c49; Moment tensor: Scale 10^{17}Nm; M_{rr}2.06±.04 $M_{\theta\theta}$-2.13±.03; $M_{\phi\phi}$0.06±.03; $M_{r\theta}$-3.46±.11; $M_{\theta\phi}$0.09±.03; $M_{\phi r}$-0.05±.07; Best double couple: NP1:ϕ_s95.00000°,δ16.00000°,λ96.00000°. NP2:ϕ_s270.00000°,δ74.00000°,λ88.00000°. Principal axes: T 4.0100,Plg61.0000°,Azm177.0000°; N 0.0600,Plg2.0000°,Azm270.0000° ; P -4.0800,Plg29.0000°,Azm1.0000° $M_0$4.10000×10^{17}

(221) Kuril Islands

ISC	**VI**	**29 06 02 53.7–.58**	**46.60N–.06**	**152.57E–.05**	**53–5**	**4.3b,3.7s**	**239**	**4-149**
NIED	VI	29 06 02 00	46.60N	152.70E	44	4.3W,3.7s		**¶13318218**
BJI	VI	29 06 02 48.6	47.21N	153.39E	60	4.7b,4.6b		
SKHL	VI	29 06 02 52.1–1.8	46.50N	152.98E	80–10	6.0s,5.0b		
MOS	VI	29 06 02 52.9–1.1	46.68N	152.52E	59	4.6b,5.0b		
ISCJB	VI	29 06 02 52.4–.60	46.57N–.05	152.58E–.05	56–5	4.3b,3.7s		
IDC	VI	29 06 02 53.7–.62	46.74N	152.43E	48–6	4.1,4.1		
JMA	VI	29 06 02 53.2–.80	46.62N	152.65E	30	5.0,4.1		
NEIC	VI	29 06 02 55.0–.59	46.70N	152.41E	61–5	4.7b,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s46.00000°,δ79.00000°,λ141.00000°. NP2:ϕ_s145.00000°,δ52.00000°,λ14.00000°. $M_0$3.36000×10^{15}
MOS Error ellipse: s-maj=8.7km s-min=6.2km az=82.8.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.5km az=147.0.
IDC Error ellipse: s-maj=15.9km s-min=10.6km az=153.0.
JMA Error ellipse: s-maj=7.8km s-min=7.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.1km az=144.0.

(216) Mariana Islands

ISC	**VI**	**29 07 58 22.4–.40**	**12.46N–.05**	**143.79E–.05**	**47–2**	**4.9b,4.0s**	**337**	**2-156**
BJI	VI	29 07 58 18.0	12.20N	143.94E	38	5.0b,5.0b		**¶13383595**
MOS	VI	29 07 58 18.9–1.1	12.39N	143.69E	33	5.3b,5.0b		
ISCJB	VI	29 07 58 20.6–.81	12.40N–.04	143.73E–.03	43–7	4.9b,4.0s		
IDC	VI	29 07 58 21.2–1.6	12.41N	143.80E	38–13	4.7,4.6		
NEIC	VI	29 07 58 22.1–.91	12.40N	143.74E	44–8	4.9b,4.6		
TEH	VI	29 07 58 22.0	12.42N	143.73E	42	4.9L,4.6		
DJA	VI	29 07 58 24.6–.70	13N–15	144E–11	162–11	5.7b,5.3		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Finegayan.

(307) Sichuan

ISC	**VI**	**29 18 03 52.9–.34**	**31.40N–.02**	**104.05E–.03**	**23–2**	**5.3b,5.0s**	**943**	**1-170**
BGS	VI	29 18 03 44.3–2.0	30.84N	105.12E	10	5.3s,4.9b		**¶13307342**
ISCJB	VI	29 18 03 48.5–.61	31.46N–.02	103.99E–.02	5–3	5.2b,5.0s		
NEIC	VI	29 18 03 50.8–.11	31.43N	104.01E	10	5.3b,5.2W		
BJI	VI	29 18 03 51.5	31.46N	103.96E	24	5.5s,5.4L		
IDC	VI	29 18 03 52.0–1.7	31.39N	104.03E	18–10	5.0,4.9		
MOS	VI	29 18 03 52.4–.83	31.41N	104.07E	33	5.4b,4.9s		
DJA	VI	29 18 03 54.3–2.0	31N–6.0	104E–5.0	16–14	5.8b,5.5b		
GCMT	VI	29 18 03 54.8–.10	31.31N	104.15E	12	5.3W,5.5b		
SZGRF	VI	29 18 03 56.7	31.92N	103.82E	28	5.4b,4.9s		

ISC Event type fe.
BGS Error ellipse: s-maj=896.2km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.4km az=20.6.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=210.0. Felt [V] at Mianyang and [III] at Chengdu, Deyang and Hanzhong. Also felt at Chongqing, Nanchong, Ya'an and Yancheng. Moment Tensor Solution. s52 Moment tensor: Scale 10^{16}Nm; M_{rr}2.62 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-1.27 $M_{r\theta}$5.59 $M_{\theta\phi}$-3.80 $M_{\phi r}$2.32 Best double couple: NP1:ϕ_s69.00000°,δ77.00000° ,λ111.00000°. NP2:ϕ_s190.00000°,δ25.00000°,λ33.00000°. Principal axes: T 6.5800,Plg53.0000°,Azm4.0000°; N 1.5800,Plg20.0000°,Azm243.0000° ; P -8.1600,Plg28.0000°,Azm141.0000° $M_0$7.50000×10^{16}
IDC Error ellipse: s-maj=9.5km s-min=7.5km az=21.0.
MOS Error ellipse: s-maj=5.8km s-min=3.3km az=121.1.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s66,c109; s84,c167; Moment tensor: Scale 10^{16}Nm; M_{rr}6.49±.13 $M_{\theta\theta}$-4.53±.12; $M_{\phi\phi}$-1.96±.12; $M_{r\theta}$6.39±.33; $M_{\theta\phi}$-4.54±.10; $M_{\phi r}$1.17±.37; Best double couple: NP1:ϕ_s212.00000°,δ29.00000°,λ54.00000°. NP2:ϕ_s71.00000°,δ67.00000°,λ108.00000°. Principal axes: T 9.5000,Plg64.0000° ,Azm11.0000°; N 0.6000,Plg16.0000°,Azm244.0000°; P -10.1000,Plg20.0000° ,Azm148.0000° $M_0$9.80000×10^{16}
SZGRF Sichuan, China.

(179) South of Kermadec Islands

ISC	**VI**	**30 04 14 53.0–.48**	**32.37S–.06**	**178.05W–.07**	**32–2**	**5.1b,5.0s**	**260**	**3-171**
AUST	VI	30 04 14 45.5–1.6	32.48S	177.71W	2–0	5.1b,5.0s		**¶15156329**
IDC	VI	30 04 14 47.8–.43	32.33S	178.28W	0	4.8,4.8s		
ISCJB	VI	30 04 14 50.7–.33	32.68S–.03	178.24W–.06	33	5.1b,4.9s		
MOS	VI	30 04 14 52.4–1.0	32.31S	178.36W	33	5.4b,4.9s		
NEIC	VI	30 04 14 53.1–1.1	32.34S	178.24W	35–9	5.2b,4.9s		
GCMT	VI	30 04 14 54.3–.20	32.40S	178.00W	20–0	5.3W,4.9s		
DJA	VI	30 04 15 27.5–4.8	33S–12	179W–28	354–42	5.6b,5.1		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s67,c102; s84,c146; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s210.00000°,δ25.00000°,λ108.00000°. NP2:ϕ_s10.00000° ,δ66.00000°,λ82.00000°. Principal axes: T 1.1600,Plg68.0000°,Azm265.0000° ; N 0.0000,Plg8.0000°,Azm14.0000°; P -1.1500,Plg21.0000°,Azm107.0000° $M_0$1.20000×10^{17}

(281) Tanimbar Islands region

ISC	**VI**	**30 17 46 11.8–.66**	**6.47S–.05**	**131.32E–.06**	**42**		**27**	**2-69**
IDC	VI	30 17 46 07.3–1.4	6.41S	131.33E	0	4.3,4.3L		**¶15156333**
ISCJB	VI	30 17 46 11.1–.44	6.51S–.03	131.49E–.05	42	3.9b,4.3L		
AUST	VI	30 17 46 12.3	6.47S	131.54E	35	3.9b,4.3L		
DJA	VI	30 17 46 14.3–.40	6S–6.0	131E–5.0	143–14	7.1,5.7b		

ISC Event type ke.
ISCJB Event type ke.

MAJOR INTERMEDIATE FOCUS EARTHQUAKES
60km<h<=300km,M>=5.5

(184) Santa Cruz Islands

ISC	**I**	**02 20 37 17.8–.27**	**11.46S–.04**	**166.41E–.04**	**101–1**	**5.2b**	**825**	**7-170**
MOS	I	02 20 37 11.9–.99	11.32S	166.29E	53	5.5b		**¶11526816**
DJA	I	02 20 37 14	11.61S	166.61E	48	5.4b		
IDC	I	02 20 37 15.3–2.1	11.40S	166.42E	75–17	4.8,4.8		
ISCJB	I	02 20 37 15.2–1.0	11.41S–.03	166.24E–.03	84–9	5.2b,4.8		
NEIC	I	02 20 37 17.6–.12	11.41S	166.34E	97	5.2b,4.8		
BJI	I	02 20 37 19.7	10.65S	166.24E	97	5.3b,5.3b		

ISC Event type se.
MOS Error ellipse: s-maj=8.4km s-min=7.0km az=94.1.
IDC Error ellipse: s-maj=14.6km s-min=12.3km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.6km az=8.5.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.8km az=136.0.

(290) Timor Sea

ISC	**I**	**03 16 30 47.4–.29**	**7.51S–.03**	**128.50E–.04**	**134–2**	**5.4b**	**1213**	**4-161**
BJI	I	03 16 30 34.3	8.26S	128.89E	84	5.5b,5.2b		**¶11526858**
TEH	I	03 16 30 43.0	7.47S	128.49E	81	5.5L,5.2b		
MOS	I	03 16 30 46.0–.96	7.36S	128.39E	128	5.4b,5.2b		
NEIC	I	03 16 30 46.6–.15	7.44S	128.46E	127	5.4b,5.2b		
ISCJB	I	03 16 30 47.8–.38	7.59S–.02	128.46E–.02	154–3	5.4b,5.2b		
DJA	I	03 16 30 48	7.73S	128.53E	163	5.4W,5.2b		
IDC	I	03 16 30 48.9–.57	7.42S	128.42E	142–4	5.0,5.0		

ISC Event type fe.
MOS Error ellipse: s-maj=10.1km s-min=5.5km az=110.4.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.3km az=61.0. Felt at Darwin, Australia.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.7km az=32.6.
IDC Error ellipse: s-maj=12.6km s-min=8.0km az=66.0.

(184) Santa Cruz Islands

ISC	**I**	**03 16 49 25.3–.22**	**12.47S–.04**	**166.77E–.03**	**110–1**	**5.5b**	**1306**	**7-176**
NOU	I	03 16 49 23.7–1.4	12.21S	166.82E	30–999	4.4,4.1L		**¶13404575**
MOS	I	03 16 49 24.8–1.1	12.35S	166.66E	105	5.6b,4.1L		
ISCJB	I	03 16 49 24.9–.82	12.44S–.03	166.65E–.02	109–7	5.5b,4.1L		
IDC	I	03 16 49 24.4–.47	12.51S	166.75E	97–3	5.3,5.3		
BJI	I	03 16 49 25.5	12.00S	166.84E	108	5.7b,5.4b		
NEIC	I	03 16 49 25.5–.13	12.43S	166.74E	109	5.4b,5.4b		
TEH	I	03 16 49 27.0	12.46S	166.65E	116	5.7L,5.4b		
DJA	I	03 16 49 29	12.48S	166.70E	130	5.5b,5.4b		

ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=6.8km az=119.1.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.0km az=9.4.
IDC Error ellipse: s-maj=9.5km s-min=8.3km az=173.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=140.0.

(286) Flores region

ISC	**I**	**03 20 20 37.4–.32**	**8.31S–.04**	**119.67E–.05**	**177–2**	**4.7b**	**152**	**1-154**
BJI	I	03 20 20 35.3	8.26S	119.93E	168	5.1b,4.7b		**¶11526867**
NEIC	I	03 20 20 36.8–.77	8.16S	119.68E	175–8	5.0b,4.7b		
ISCJB	I	03 20 20 36.5–.31	8.32S–.03	119.64E–.03	176–4	4.8b,4.7b		
IDC	I	03 20 20 38.0–2.0	8.17S	119.78E	186–19	4.4,4.3		
DJA	I	03 20 20 38	8.32S	119.59E	140	5.6b,4.3		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.2km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.1km az=138.1.
IDC Error ellipse: s-maj=14.7km s-min=7.9km az=58.0.

(718) Hindu Kush region

ISC	**I**	**03 20 23 20.4–.17**	**36.46N–.03**	**70.74E–.02**	**209–1**	**5.8b**	**2148**	**2-171**
BGS	I	03 20 23 02.2–1.2	34.51N	72.60E	205	5.4b		**¶13404580**
SZGRF	I	03 20 23 16.7	36.18N	70.97E	186	6.0b		
BJI	I	03 20 23 18.8	36.62N	70.61E	206	6.3b,6.0b		
ISCJB	I	03 20 23 19.0–.23	36.43N–.01	70.73E–.01	202–2	5.7b,6.0b		
MOS	I	03 20 23 19.2–.85	36.44N	70.78E	207	6.2s,5.9b		
NEIC	I	03 20 23 20.2–.10	36.42N	70.74E	205	5.8b,5.9b		
DJA	I	03 20 23 20	36.30N	70.86E	196	6.3b,5.9b		
IDC	I	03 20 23 20.8–.29	36.43N	70.79E	209–2	5.6b,5.6		
NIC	I	03 20 23 21.5–.90	36.51N	70.76E	200	5.6b,5.6		
NNC	I	03 20 23 21.8–4.6	36.86N	70.24E	155–54	7.1,6.0b		

ISC Event type fe.
BGS Error ellipse: s-maj=265.8km s-min=327.4km az=-1.0.
SZGRF Hindu Kush, Afghanistan, region.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=18.6.
MOS Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=126.4. Felt (III-IV) at Chimkent, Taraz. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=199.0. Felt [IV] at Baghlan, Charikar and Jabal os Saraj; [III] at Bagrami, Jalalabad, Kabul and Mazar-e Sharif; [II] at Khowst. Also felt at Asadabad, Asmar, Eshkashem, Konduz, Mehtar Lam and Sarowbi. Felt [IV] at Peshawar and [III] at Islamabad and Lahore, Pakistan. Felt [III] at Dushanbe, Tajikistan. Also felt at Khorugh and Uroteppa. Felt [II] at Tashkent, Uzbekistan. Also felt at Termiz. Felt at Delhi, Gurgaon and Pathankot, India; Srinagar, Kashmir; Osh, Kyrgyzstan.
IDC Error ellipse: s-maj=6.3km s-min=5.1km az=177.0.
NIC Earthquake Hindu Kush Region, Afghanistan 3km SW Ghowrayd gharami.
NNC Error ellipse: s-maj=37.9km s-min=31.1km az=38.0.

(196) Irian Jaya region

ISC	**I**	**03 21 30 47.8–.44**	**0.58S–.06**	**133.13E–.08**	**65–3**	**5.0b**	**234**	**16-155**
IDC	I	03 21 30 39.4–.50	0.48S	133.10E	0	4.9,4.8b		**¶11527885**
BJI	I	03 21 30 41.2	1.07S	133.42E	65	5.7s,5.6b		
MOS	I	03 21 30 42.8–1.1	0.50S	133.00E	33	5.3b,5.6b		
ISCJB	I	03 21 30 42.7–1.5	0.54S–.04	133.09E–.07	34–14	5.5s,5.0b		
NEIC	I	03 21 30 44.8–1.4	0.52S	133.10E	37–12	5.0b,5.0b		

ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=11.9km az=74.0.
MOS Error ellipse: s-maj=16.2km s-min=6.7km az=111.4.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.5km az=162.9.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.7km az=66.0.

(704) Nicobar Islands region

ISC	**I**	**04 20 22 58.8–.30**	**6.49N–.03**	**94.30E–.04**	**72–1**	**5.3b**	**1159**	**1-170**
SZGRF	I	04 20 22 47.8	5.72N	94.07E	33	5.2b,4.3s		**¶13404606**
BJI	I	04 20 22 52.4	6.04N	94.16E	64	5.3b,5.1b		
MOS	I	04 20 22 53.4–.97	6.57N	94.27E	33	5.6b,4.4s		
NEIC	I	04 20 22 54.7–.14	6.45N	94.17E	35	5.4b,4.4s		
TEH	I	04 20 22 57.0	6.31N	94.13E	67	5.3L,4.4s		
ISCJB	I	04 20 22 57.3–.48	6.52N–.02	94.26E–.02	69–4	5.2b,4.4s		
DJA	I	04 20 23 00	6.53N	94.35E	69	5.2W,4.4s		
IDC	I	04 20 23 00.9–1.1	6.55N	94.31E	87–8	4.9,4.9		

ISC Event type fe.
SZGRF Northern Sumatera, Indonesia.
MOS Error ellipse: s-maj=8.6km s-min=4.0km az=117.9.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.4km az=217.0. Felt at Banda Aceh, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=36.0.
IDC Error ellipse: s-maj=9.8km s-min=8.3km az=54.0.

(710) Pakistan

ISC	**I**	**04 23 12 60.0–.15**	**36.50N–.02**	**70.91E–.02**	**195–1**	**5.6b**	**2174**	**2-154**
SZGRF	I	04 23 12 26.8	35.21N	72.30E	195	5.3b		**¶13989036**
BGS	I	04 23 12 41.7–1.3	34.21N	72.28E	187	5.6b		
ISCJB	I	04 23 12 58.0–.21	36.48N–.01	70.88E–.01	184–2	5.7b		
BJI	I	04 23 12 58.7	36.68N	70.81E	193	5.3b,5.1b		
MOS	I	04 23 12 58.8–.84	36.49N	70.93E	194	5.9b,5.1b		
TEH	I	04 23 12 59.0	36.59N	70.90E	180	5.9L,5.1b		
NEIC	I	04 23 12 59.3–.33	36.44N	70.88E	187–3	5.7b,5.6W		
IDC	I	04 23 13 00.4–.29	36.43N	70.98E	200–2	5.3,5.3		
DJA	I	04 23 13 00	36.45N	70.88E	179	5.6b,5.3		
NNC	I	04 23 13 02.4–4.5	36.96N	70.56E	173–53	6.9,5.5b		

ISC Event type fe.
SZGRF Pakistan.
BGS Error ellipse: s-maj=295.9km s-min=348.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=14.8.
MOS Error ellipse: s-maj=4.8km s-min=2.9km az=130.7.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=197.0. Felt [IV] at Jalalabad; [III] at Bagrami and Kabul; [II] at Asadabad and Charikar. Also felt at Asmar, Baghlan, Khowst and Mazar-e Sharif. Felt [IV] at Peshawar and [III] at Islamabad, Pakistan. Also felt at Abottabad, Kohat, Lahore and Rawalpindi. Felt [II] at Tashkent, Uzbekistan. Felt at Kishtwar and Srinagar, India; Shymkent, Kazakhstan; Dushanbe and Khorugh, Tajikistan. Depth from broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s51 Moment tensor: Scale 10^{17}Nm; M_{rr}2.73 $M_{\theta\theta}$-2.94 $M_{\phi\phi}$0.22 $M_{r\theta}$0.95 $M_{\theta\phi}$0.23 $M_{\phi r}$1.50 Best double couple: NP1:ϕ_s296.00000°,δ41.00000°,λ128.00000°. NP2: ϕ_s70.00000°,δ59.00000°,λ62.00000°. Principal axes: T 3.5700,Plg64.0000°,Azm289.0000° ; N -0.4700,Plg23.0000°,Azm85.0000°; P -3.1000,Plg9.0000°,Azm179.0000° $M_0$3.40000×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=5.5km az=3.0.

NNC Error ellipse: s-maj=36.7km s-min=24.9km az=18.0.

(224) Hokkaido region

ISC	**I**	**11 05 57 12.0–.33**	**42.62N–.03**	**143.45E–.03**	**75–2**	**4.8b**	**500**	**0-148**
NIED	I	11 05 57 00	42.60N	143.50E	71	4.6W		¶13404803
BJI	I	11 05 57 09.5	42.58N	143.54E	77	5.2b,5.0b		
MOS	I	11 05 57 09.5–.96	42.77N	143.35E	64	4.9b,5.0b		
ISCJB	I	11 05 57 10.6–.22	42.62N–.02	143.44E–.02	78–1	4.7b,5.0b		
JMA	I	11 05 57 11.9–.10	42.59N	143.42E	68–1	4.7,5.0b		
NEIC	I	11 05 57 11.8–.18	42.67N	143.42E	71	4.8b,4.6W		
IDC	I	11 05 57 11.8–1.3	42.67N	143.39E	73–10	4.4,4.4		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s324.00000°,δ87.00000°,λ-76.00000°. NP2:ϕ_s66.00000°,δ15.00000°,λ-168.00000°. $M_0$9.65000×10^{15}

MOS Error ellipse: s-maj=7.7km s-min=6.0km az=82.2.

ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=156.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s314.00000°,δ88.00000°,λ-79.00000°. NP2:ϕ_s54.00000°,δ11.00000°,λ-170.00000°. Principal axes: T Plg42.0000°,Azm33.0000° ; N Plg11.0000°,Azm133.0000°; P Plg46.0000°,Azm235.0000°

NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.1km az=153.0. Recorded [3 JMA] in eastern and southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$9.70000×10^{15}

IDC Error ellipse: s-maj=11.8km s-min=10.4km az=108.0.

(224) Hokkaido region

ISC	**I**	**11 12 53 36.9–.27**	**42.93N–.03**	**143.10E–.03**	**98–2**	**4.7b**	**918**	**0-149**
NIED	I	11 12 53 00	42.90N	143.10E	92	4.6W		¶13404808
SZGRF	I	11 12 53 31.5	43.15N	144.21E	95	4.6b		
BJI	I	11 12 53 34.4	43.06N	143.30E	102	5.2b,4.8b		
ISCJB	I	11 12 53 35.9–.20	42.92N–.03	143.07E–.02	101–1	4.6b,4.8b		
IDC	I	11 12 53 36.9–.50	42.93N	143.10E	98–3	4.4,4.4		
MOS	I	11 12 53 36.3–.86	42.92N	143.03E	106	4.7b,4.4		
NEIC	I	11 12 53 37.2	42.89N	143.13E	88	4.7b,4.6W		
JMA	I	11 12 53 37.2–.10	42.89N	143.13E	88–1	4.5,4.6W		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s320.00000°,δ47.00000°,λ-78.00000°. NP2:ϕ_s122.00000°,δ45.00000°,λ-103.00000°. $M_0$9.75000×10^{15}

SZGRF Hokkaido, Japan, region.

ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.5km az=171.6.

IDC Error ellipse: s-maj=9.2km s-min=8.0km az=80.0.

MOS Error ellipse: s-maj=6.8km s-min=4.7km az=101.2.

NEIC Event type fe. Felt at Sapporo. Recorded [2 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. After JMA. Moment Tensor Solution. $M_0$9.80000×10^{15}

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s337.00000°,δ47.00000°,λ-78.00000°. NP2:ϕ_s139.00000°,δ45.00000°,λ-103.00000°. Principal axes: T Plg1.0000°,Azm58.0000° ; N Plg9.0000°,Azm148.0000°; P Plg81.0000°,Azm322.0000°

(259) Mindanao

ISC	**I**	**11 15 53 01.9–.33**	**6.50N–.03**	**126.90E–.04**	**110–2**	**5.1b**	**492**	**1-162**
BJI	I	11 15 52 58.8	6.37N	127.01E	113	5.2b,4.9b		¶11594534
ISCJB	I	11 15 53 00.5–.36	6.51N–.02	126.92E–.03	112–2	5.0b,4.9b		
MOS	I	11 15 53 00.9–1.0	6.50N	126.94E	116	5.2b,4.9b		
IDC	I	11 15 53 00.8–.85	6.40N	126.98E	102–6	4.6,4.6		
MAN	I	11 15 53 00	6.41N	126.88E	57	5.5b,4.8s		
TEH	I	11 15 53 01.0	6.44N	126.88E	105	4.9L,4.8s		
NEIC	I	11 15 53 01.2–.71	6.44N	126.87E	107–6	5.0b,4.8s		
DJA	I	11 15 53 03	6.39N	126.89E	105	5.2b,4.8s		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=164.4.

MOS Error ellipse: s-maj=12.1km s-min=6.0km az=116.9.

IDC Error ellipse: s-maj=11.1km s-min=7.3km az=71.0.

MAN Event type fe. INTENSITY II - MATI & TAGUM CITY.

NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=78.0.

(196) Irian Jaya region

ISC	**I**	**11 18 13 06.0–.38**	**0.69S–.04**	**132.86E–.07**	**84–2**	**4.9b**	**244**	**2-153**
IDC	I	11 18 12 56.1–.51	0.51S	132.88E	0	4.9,4.8		¶11712712
MOS	I	11 18 12 59.2–.76	0.53S	132.86E	33	5.2b,4.8		
NEIC	I	11 18 13 01.2–.18	0.55S	132.88E	35	5.2b,4.8		
BJI	I	11 18 13 03.2	0.61S	133.08E	84	5.2b,4.9b		
ISCJB	I	11 18 13 04.2–.23	0.64S–.03	132.88E–.05	82	4.9b,4.9b		
DJA	I	11 18 13 05	0.70S	132.70E	23	5.1,4.9b		

ISC Event type se.

IDC Error ellipse: s-maj=23.1km s-min=11.0km az=74.0.

MOS Error ellipse: s-maj=15.5km s-min=6.1km az=115.7.

NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.2km az=66.0.

ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.6km az=165.9.

(221) Kuril Islands

ISC	**I**	**14 01 36 16.7–.48**	**47.46N–.06**	**153.18E–.05**	**63–3**	**4.4b**	**526**	**4-115**
NIED	I	14 01 36 00	47.50N	153.40E	8	4.4W		¶13404843
SZGRF	I	14 01 36 09.9	47.82N	153.14E	33	4.5b		
BJI	I	14 01 36 13.5	47.72N	153.67E	59	4.9b,4.6b		
IDC	I	14 01 36 15.9–.68	47.40N	153.09E	58–5	4.2,4.1		
ISCJB	I	14 01 36 16.6–.56	47.58N–.04	153.07E–.03	69–5	4.3b,4.1		
SKHL	I	14 01 36 16.1–1.5	47.33N	153.48E	94–6	6.0s,5.3s		
MOS	I	14 01 36 16.7–1.0	47.59N	153.09E	72	4.6b,5.3s		
NEIC	I	14 01 36 17.4–.25	47.74N	152.99E	58	4.5b,5.3s		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s118.00000°,δ82.00000°,λ-68.00000°. NP2:ϕ_s226.00000°,δ23.00000°,λ-160.00000°. $M_0$4.94000×10^{15}

SZGRF Kuril Islands, Russia.

IDC Error ellipse: s-maj=17.5km s-min=10.7km az=154.0.

ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=3.1km az=164.0.

MOS Error ellipse: s-maj=9.3km s-min=6.4km az=83.6.

NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.4km az=160.0.

(193) Bougainville - Solomon Islands region

ISC	**I**	**14 04 48 59.4–.26**	**6.49S–.04**	**155.77E–.04**	**179–1**	**5.2b**	**806**	**5-161**
ISCJB	I	14 04 48 56.9–.86	6.51S–.03	155.61E–.02	163–7	5.2b		¶13404847
MOS	I	14 04 48 57.5–.87	6.39S	155.65E	164	5.3b		
NEIC	I	14 04 48 58.8–.12	6.47S	155.70E	170	5.2b		
IDC	I	14 04 48 58.5–.62	6.54S	155.71E	167–5	5.2,5.2		
BJI	I	14 04 48 59.4	6.29S	155.77E	185	5.1b,5.1b		
DJA	I	14 04 49 08	6.58S	155.46E	245	5.3W,5.1b		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.9km az=171.8.

MOS Error ellipse: s-maj=8.8km s-min=6.1km az=94.4.

NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.7km az=111.0.

IDC Error ellipse: s-maj=14.3km s-min=10.4km az=99.0.

(193) Bougainville - Solomon Islands region

ISC	**I**	**15 16 14 58.7–.18**	**10.35S–.03**	**161.28E–.04**	**89**	**5.6b**	**1408**	**2-166**
ISCJB	I	15 16 14 58.4–.10	10.30S–.02	161.15E–.02	88	5.5b		¶13989123
IDC	I	15 16 14 58.8–.40	10.43S	161.31E	88–2	5.2,5.2		
BJI	I	15 16 14 59.9	10.24S	161.55E	118	5.4b,5.3b		
MOS	I	15 16 15 00.4–.97	10.26S	161.17E	108	5.7b,4.7s		
NEIC	I	15 16 15 01.9–.72	10.33S	161.21E	114–6	5.7W,5.6b		
DJA	I	15 16 15 06	10.34S	161.40E	161	5.6W,5.6b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.8km az=175.4.

IDC Error ellipse: s-maj=14.7km s-min=10.5km az=105.0.

MOS Error ellipse: s-maj=7.6km s-min=6.6km az=86.6.

NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=4.0km az=160.0. Felt [III] at Honiara. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.31 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$3.63 $M_{r\theta}$1.41 $M_{\theta\phi}$1.09 $M_{\phi r}$-1.05 Best double couple: NP1:ϕ_s341.00000°,δ62.00000°,λ-133.00000°. NP2:ϕ_s224.00000°,δ50.00000°,λ-38.00000°. Principal axes: T 3.9500,Plg7.0000° ,Azm99.0000°; N -0.3400,Plg36.0000°,Azm4.0000°; P -3.6200,Plg52.0000°,Azm199.0000° $M_0$3.80000×10^{17}

(61) Chiapas

ISC	**I**	**17 02 57 31.6–.24**	**15.77N–.03**	**92.58W–.03**	**175–1**	**5.1b**	**1892**	**1-150**
CASC	I	17 02 57 26.0–2.0	16.80N	92.11W	169–71	5.4b,4.9		¶13962382
MEX	I	17 02 57 31.6–.82	15.72N	92.76W	171–7	5.2,4.9		
NEIC	I	17 02 57 31.9	15.74N	92.74W	169	5.7W,5.7W		
BJI	I	17 02 57 31.9	16.08N	92.24W	176	5.5b,5.7W		
SZGRF	I	17 02 57 32.4	14.94N	91.62W	185	4.7b,5.7W		
IDC	I	17 02 57 32.6–.35	15.98N	92.20W	177–2	4.7,4.7		
MOS	I	17 02 57 32.1–.92	15.89N	92.42W	187	5.3b,4.7		
ISCJB	I	17 02 57 32.3–.23	15.83N–.02	92.40W–.02	192–2	5.0b,4.7		

ISC Event type fe.

NEIC Event type fe. Felt [IV] at San Cristobal de las Casas. Also felt at Coatzacoalcos, Jalapa, Mitla, Tuxtla Gutierrez and Yajalon. Felt at Antigua Guatemala, Guatemala. After MEX. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}1.73 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$0.22 $M_{r\theta}$1.81 $M_{\theta\phi}$0.66 $M_{\phi r}$-4.31 Best double couple: NP1:ϕ_s267.00000°,δ17.00000°,λ28.00000°. NP2:ϕ_s150.00000°,δ82.00000°,λ106.00000°. Principal axes: T 5.4800,Plg50.0000° ,Azm77.0000°; N -0.9500,Plg15.0000°,Azm328.0000°; P -4.5200,Plg35.0000° ,Azm227.0000° $M_0$5.10000×10^{17}

SZGRF Guatemala.

ISCJB Event type fe.

(153) South Sandwich Islands region

ISC	**I**	**17 05 17 12.8–.62**	**59.77S–.06**	**26.78W–.06**	**68–5**	**5.2b**	**511**	**13-173**
BJI	I	17 05 17 03.5	59.90S	26.80W	10	5.6s,5.5b		¶13405778
ISCJB	I	17 05 17 08.7–1.7	59.74S–.06	26.6W–.10	44–15	5.2b,4.4s		
NEIC	I	17 05 17 13.6–.16	59.74S	26.70W	78	5.2b,4.4s		
IDC	I	17 05 17 14.5–1.9	59.75S	26.79W	82–15	5.0,4.9		
MOS	I	17 05 17 19.1–1.2	59.77S	26.84W	131	5.1b,4.9		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=7.6km az=140.5.

NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.3km az=213.0.

IDC Error ellipse: s-maj=13.6km s-min=11.2km az=46.0.

MOS Error ellipse: s-maj=27.0km s-min=12.4km az=103.4.

(116) Central Peru

ISC	**I**	**18 11 37 00.9–.50**	**14.16S–.07**	**75.15W–.09**	**81–3**	**4.7b**	**535**	**3-168**
MOS	I	18 11 36 55.2–.79	13.94S	75.17W	33	4.9b		¶11596331
BJI	I	18 11 36 59.2	13.41S	75.05W	70	5.6s,5.3		
IDC	I	18 11 37 00.8–.69	14.17S	75.19W	78–4	4.3,4.2		
ISCJB	I	18 11 37 01.3–.95	13.90S–.06	74.98W–.07	89–7	4.6b,4.2		
NEIC	I	18 11 37 01.6–.78	13.97S	75.00W	76–7	4.7b,4.2		

ISC Event type fe.

MOS Error ellipse: s-maj=26.4km s-min=7.7km az=115.1.

IDC Error ellipse: s-maj=23.7km s-min=8.8km az=51.0.

ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=6.7km az=136.9.

NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=5.2km az=54.0. Felt [II] at Huaytara and Palpa. Also felt at Ayacucho.

(248) Philippine Islands region

ISC	**I**	**19 17 29 03.5–.27**	**7.67N–.02**	**126.95E–.03**	**75–2**	**5.0b**	**433**	**1-169**
MOS	I	19 17 28 56.8–1.2	7.62N	126.73E	33	5.2b,4.3s		¶13405850
MAN	I	19 17 28 58	7.71N	127.19E	93	5.7b,5.1s		
NEIC	I	19 17 28 58.7–.18	7.65N	126.79E	35	5.2b,5.1s		
BJI	I	19 17 28 59.9	7.37N	127.08E	80	5.1b,4.9s		
IDC	I	19 17 28 59.2–.41	7.67N	126.77E	37–3	4.7L,4.6		
ISCJB	I	19 17 29 01.1–.43	7.70N–.02	127.02E–.03	70–3	4.9b,4.6		
DJA	I	19 17 29 03	7.65N	127.17E	50	5.0W,4.6		

ISC Event type fe.

MOS Error ellipse: s-maj=11.8km s-min=5.6km az=112.7.

NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.0km az=67.0. Felt [II PIVS] at Davao.

IDC Error ellipse: s-maj=14.3km s-min=7.5km az=71.0.

ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.1km az=158.7.

(280) Banda Sea

ISC	**I**	**20 10 46 52.9–.26**	**4.61S–.03**	**129.81E–.03**	**144–1**	**5.7b**	**797**	**2-162**
BJI	I	20 10 46 44.6	5.13S	130.17E	124	5.9b,5.5b		¶11613347
MOS	I	20 10 46 51.2–.98	4.64S	129.72E	139	5.8b,5.5b		
TEH	I	20 10 46 52.0	4.63S	129.87E	124	5.5L,5.5b		
ISCJB	I	20 10 46 53.7–.28	4.66S–.02	129.84E–.02	166–2	5.7b,5.5b		
NEIC	I	20 10 46 53.2–.78	4.67S	129.81E	144–7	5.7b,5.5W		
IDC	I	20 10 46 55.2–.49	4.71S	129.78E	162–4	5.2,5.2		
DJA	I	20 10 46 55	4.43S	129.89E	174	5.5W,5.2		

ISC Event type se.

MOS Error ellipse: s-maj=11.5km s-min=5.2km az=114.3.

ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.0km az=41.9.

NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.6km az=60.0. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}0.46 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-0.52 $M_{r\theta}$0.50 $M_{\theta\phi}$0.53 $M_{\phi r}$1.24 Best double couple: NP1:ϕ_s120.00000°,δ26.00000°,λ20.00000°. NP2:ϕ_s12.00000° ,δ82.00000°,λ115.00000°. Principal axes: T 1.6300,Plg47.0000°,Azm308.0000° ; N -0.2500,Plg24.0000°,Azm188.0000°; P -1.3800,Plg32.0000°,Azm81.0000° $M_0$1.50000×10^{17}

IDC Error ellipse: s-maj=10.5km s-min=6.3km az=67.0.

(281) Tanimbar Islands region

ISC	**I**	**21 22 22 24.3–.43**	**6.65S–.04**	**131.47E–.06**	**101–3**	**4.7b**	**145**	**2-150**
BJI	I	21 22 22 10.3	7.18S	132.05E	51	5.1b,4.8s		¶11615857
NEIC	I	21 22 22 17.4–2.5	6.48S	131.24E	34–19	4.8b,4.8s		
ISCJB	I	21 22 22 18.9–.59	6.57S–.03	131.56E–.04	76–6	4.6b,4.8s		
DJA	I	21 22 22 23	6.48S	131.40E	73	5.1b,4.8s		
IDC	I	21 22 22 25.8–.66	6.41S	131.27E	109–4	4.1,4.1		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.2km az=45.0.

ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.3km az=159.3.

IDC Error ellipse: s-maj=23.4km s-min=12.4km az=57.0.

(224) Hokkaido region

ISC	**I**	**22 00 09 34.0–.34**	**40.91N–.03**	**139.97E–.03**	**162–2**	**4.9b**	**1175**	**0-157**
NIED	I	22 00 09 00	40.90N	140.00E	165	4.7W		¶13433912
BJI	I	22 00 09 29.3	40.75N	140.20E	160	4.9b,4.8b		
MOS	I	22 00 09 33.6–.78	41.05N	139.88E	163	4.9b,4.8b		
ISCJB	I	22 00 09 33.4–.16	40.92N–.02	139.89E–.02	164–1	4.8b,4.8b		
NEIC	I	22 00 09 34.4–.34	40.93N	139.88E	162–3	4.9b,4.7W		
SZGRF	I	22 00 09 34.9	41.22N	140.83E	33	5.0b,4.7W		
JMA	I	22 00 09 34.2–.10	40.90N	140.04E	168–1	4.6,4.7W		
IDC	I	22 00 09 34.2–.94	40.90N	139.97E	163–8	4.5b,4.5		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ67.00000°,λ69.00000°. NP2:ϕ_s32.00000°,δ31.00000°,λ130.00000°. $M_0$1.25000×10^{16}

MOS Error ellipse: s-maj=6.0km s-min=4.3km az=98.2.

ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.4km az=166.4.

NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.2km az=157.0. Moment Tensor Solution. $M_0$1.30000×10^{16}

SZGRF Hokkaido, Japan, region.

JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s165.00000°,δ72.00000°,λ73.00000°. NP2:ϕ_s29.00000°,δ25.00000°,λ132.00000°. Principal axes: T Plg60.0000°,Azm50.0000° ; N Plg16.0000°,Azm170.0000°; P Plg25.0000°,Azm268.0000°

IDC Error ellipse: s-maj=8.8km s-min=6.8km az=135.0.

(267) Halmahera

ISC	**I**	**22 03 01 53.3–.27**	**0.56S–.03**	**127.37E–.04**	**128–2**	**5.4b**	**810**	**0-166**
BJI	I	22 03 01 45.3	1.14S	127.95E	120	5.3b,5.1b		¶11616361
ISCJB	I	22 03 01 53.0–.25	0.48S–.02	127.47E–.02	135–2	5.3b,5.1b		
MOS	I	22 03 01 53.8–1.1	0.47S	127.37E	144	5.2b,5.1b		
NEIC	I	22 03 01 54.1–.75	0.52S	127.43E	132–7	5.2b,5.1b		
DJA	I	22 03 01 54.5–.20	1S–2.0	128E–2.0	124–2	5.8b,5.7		
IDC	I	22 03 01 54.2–.99	0.57S	127.33E	135–8	4.9,4.9		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=163.5.

MOS Error ellipse: s-maj=10.1km s-min=5.3km az=112.8.

NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.4km az=70.0. Felt [II] at Labuha.

IDC Error ellipse: s-maj=12.1km s-min=6.1km az=80.0.

(280) Banda Sea

ISC	**I**	**22 20 16 34.6–.20**	**7.32S–.03**	**128.56E–.03**	**149–1**	**6.0b**	**2782**	**3-168**
BJI	I	22 20 16 27.6	7.77S	129.13E	141	6.3b,6.1b		¶13989198
MOS	I	22 20 16 32.4–1.2	7.34S	128.61E	143	6.1b,5.3s		
ISCJB	I	22 20 16 33.0–.12	7.37S–.02	128.62E–.02	148	5.9b,5.3s		
TEH	I	22 20 16 34.0	7.28S	128.59E	141	6.2L,5.3s		
BGS	I	22 20 16 34.4–1.7	7.00S	128.47E	147	6.1b,5.3s		
NEIC	I	22 20 16 34.6–.09	7.31S	128.57E	147	6.2,6.1b		
IDC	I	22 20 16 35.0–.68	7.28S	128.53E	146–5	5.6,5.6b		
DJA	I	22 20 16 36	7.52S	128.69E	170	5.9W,5.6b		

ISC Event type fe.

MOS Error ellipse: s-maj=13.2km s-min=8.0km az=112.3.

ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=141.5.

BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=54.0. Felt [II] at Dili, Timor-Leste. Also felt [II] at Darwin, Australia. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s320.00000°,δ40.00000°,λ100.00000°. NP2: ϕ_s127.00000°,δ51.00000°,λ82.00000°. Principal axes: T Plg82.0000°,Azm353.0000° ; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm223.0000° Moment Tensor Solution. s45 Moment tensor: Scale 10^{18}Nm; M_{rr}1.76 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$-0.75 $M_{r\theta}$0.43 $M_{\theta\phi}$0.93 $M_{\theta r}$-0.06 Best double couple: NP1:ϕ_s318.00000°,δ40.00000°,λ102.00000°. NP2:ϕ_s124.00000° ,δ51.00000°,λ81.00000°. Principal axes: T 1.8300,Plg80.0000°,Azm348.0000° ; N 0.0300,Plg7.0000°,Azm129.0000°; P -1.8600,Plg5.0000°,Azm220.0000° $M_0$1.80000×10^{18}
IDC Error ellipse: s-maj=10.4km s-min=7.3km az=73.0.

(186) Vanuatu Islands

ISC	**I**	**23 01 50 19.7–.31**	**15.29S–.04**	**167.48E–.05**	**145–2**	**5.0b**	**366**	**7-169**
DJA	I	23 01 49 54	15.30S	169.26E	10	5.3b		**¶13433941**
NOU	I	23 01 50 15.2–1.1	14.94S	168.00E	30	3.9,3.2L		
BJI	I	23 01 50 18.2	15.20S	167.50E	146	5.1b,5.1b		
ISCJB	I	23 01 50 20.0–.77	15.32S–.04	167.46E–.04	157–7	4.9b,5.1b		
NEIC	I	23 01 50 20.0–.16	15.20S	167.51E	145	4.8b,5.1b		
IDC	I	23 01 50 19.8–.66	15.28S	167.40E	142–5	4.6,4.6		

ISC Event type se.
NOU Error ellipse: s-maj=16.0km s-min=71.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.5km az=24.1.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.9km az=149.0.
IDC Error ellipse: s-maj=13.2km s-min=9.6km az=122.0.

(2) Southern Alaska

ISC	**I**	**24 18 09 49.9–.14**	**59.55N–.02**	**153.12W–.02**	**100**	**5.8b**	**2623**	**0-163**
DJA	I	24 18 09 40	59.39N	153.53W	10	5.5b		**¶13989218**
BJI	I	24 18 09 46.8	59.53N	153.07W	103	5.8b,5.6b		
IDC	I	24 18 09 47.9–.92	59.53N	153.18W	81–9	5.1,5.1		
MOS	I	24 18 09 48.6–.90	59.62N	153.21W	101	5.8b,5.2s		
ISCJB	I	24 18 09 48.8–.08	59.66N–.01	153.23W–.02	99	5.7b,5.2s		
NEIC	I	24 18 09 50.8	59.43N	152.89W	98	5.8b,5.7W		
SZGRF	I	24 18 09 53.3	59.68N	153.01W	104	6.2b,5.7W		
BGS	I	24 18 09 57.7–1.5	60.57N	151.59W	98	5.7b,5.7W		

ISC Event type fe.
IDC Error ellipse: s-maj=8.4km s-min=8.3km az=166.0.
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=94.6.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.3km az=30.7.
NEIC Event type fe. Felt [IV] at Anchor Point, Homer, Kasilof, Sterling and Willow; [III] at Anchorage, Eagle River, Girdwood, Kenai, Nikiski, Ninilchik, Palmer, Seward, Soldotna and Talkeetna; [II] at Chugiak, Elmendorf AFB, Indian, Kodiak, Seldovia, Valdez and Wasilla. Also felt at Big Lake, Clam Gulch, Cooper Landing, Cordova, Eek, Glennallen, Houston, Moose Pass, Pedro Bay, Port Alsworth, Port Lions, Sutton and Whittier. After AEIC. Moment Tensor Solution. s76 Moment tensor: Scale 10^{17}Nm; M_{rr}2.54 $M_{\theta\theta}$-3.79 $M_{\phi\phi}$1.25 $M_{r\theta}$1.38 $M_{\theta\phi}$1.78 $M_{\theta r}$2.58 Best double couple: NP1:ϕ_s320.00000°,δ53.00000°,λ145.00000°. NP2: ϕ_s74.00000°,δ62.00000°,λ42.00000°. Principal axes: T 5.0900,Plg48.0000°,Azm291.0000° ; N -0.6900,Plg40.0000°,Azm100.0000°; P -4.4100,Plg5.0000°,Azm195.0000° $M_0$4.80000×10^{17}
SZGRF Southern Alaska, United States.
BGS Error ellipse: s-maj=175.8km s-min=707.0km az=-1.0.

(259) Mindanao

ISC	**I**	**24 22 43 08.4–.21**	**5.41N–.03**	**126.28E–.04**	**142**	**4.9b**	**567**	**1-168**
MAN	I	24 22 43 05	5.27N	126.36E	142	5.3b,4.6s		**¶13433985**
ISCJB	I	24 22 43 06.7–.15	5.45N–.02	126.36E–.03	140	5.0b,4.6s		
BJI	I	24 22 43 06.5	5.31N	126.22E	145	5.1b,4.8b		
IDC	I	24 22 43 07.9–.46	5.43N	126.26E	135–3	4.6,4.6		
MOS	I	24 22 43 08.7–1.0	5.42N	126.14E	158	5.2b,4.6		
NEIC	I	24 22 43 08.8–.63	5.49N	126.28E	144–6	5.1b,4.6		
DJA	I	24 22 43 09	5.41N	126.40E	133	5.0W,4.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.2km az=171.0.
IDC Error ellipse: s-maj=13.6km s-min=5.9km az=72.0.
MOS Error ellipse: s-maj=13.3km s-min=5.6km az=116.7.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.4km az=70.0. Felt [I PIVS] at General Santos.

(289) Timor region

ISC	**I**	**29 04 45 05.4–.88**	**9.04S–.05**	**124.09E–.06**	**67–7**	**5.2b**	**519**	**6-161**
BJI	I	29 04 45 00.3	9.52S	124.70E	86	5.0b,5.0b		**¶11656295**
MOS	I	29 04 45 03.9–1.1	8.89S	124.06E	65	5.3b,5.0b		
ISCJB	I	29 04 45 03.2–.94	9.02S–.04	124.31E–.05	68–9	5.1b,5.0b		
NEIC	I	29 04 45 05.5–.80	9.01S	124.11E	66–7	5.3b,5.0b		
IDC	I	29 04 45 05.2–1.6	8.94S	124.06E	63–13	4.7,4.7b		
DJA	I	29 04 45 08	9.30S	124.13E	68	5.1W,4.7b		

ISC Event type se.
MOS Error ellipse: s-maj=12.5km s-min=6.6km az=113.6.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.3km az=158.4.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.2km az=58.0.
IDC Error ellipse: s-maj=14.8km s-min=10.6km az=56.0.

(248) Philippine Islands region

ISC	**I**	**31 04 05 39.4–.37**	**8.71N–.03**	**126.35E–.06**	**101–2**	**4.4b**	**170**	**1-145**
BJI	I	31 04 05 36.3	8.37N	126.45E	112	4.9b,4.4b		**¶11667180**
MAN	I	31 04 05 37	8.66N	126.36E	117	5.3b,4.5s		
IDC	I	31 04 05 38.5–.53	8.79N	126.40E	94–4	4.1,4.0		
ISCJB	I	31 04 05 38.3–.56	8.70N–.03	126.34E–.06	107–4	4.4b,4.0		
NEIC	I	31 04 05 39.7–1.2	8.74N	126.31E	106–10	4.6b,4.0		

ISC Event type fe.
MAN Event type fe. INTENSITY II - BISLIG CITY.
IDC Error ellipse: s-maj=15.1km s-min=6.9km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=4.7km az=161.5.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=5.3km az=60.0. Felt [II PIVS] at Bislig.

(281) Tanimbar Islands region

ISC	**I**	**31 09 00 08.1–.36**	**6.37S–.04**	**130.27E–.07**	**150**	**4.6b**	**125**	**2-129**
BJI	I	31 09 00 00.1	7.03S	130.67E	143	5.1b,4.7b		**¶11657501**
ISCJB	I	31 09 00 07.5–.23	6.33S–.03	130.17E–.05	150	4.5b,4.7b		
IDC	I	31 09 00 08.8–4.5	6.17S	130.34E	148–43	4.3,4.2		
NEIC	I	31 09 00 09.1–1.4	6.19S	130.25E	150–15	4.5b,4.2		
DJA	I	31 09 00 11	6.03S	130.49E	150	4.8b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.5km az=161.3.
IDC Error ellipse: s-maj=37.9km s-min=13.3km az=64.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.2km az=48.0.

(123) Northern Chile

ISC	**I**	**31 16 29 36.7–.20**	**19.47S–.03**	**69.16W–.04**	**105**	**5.4b**	**1577**	**1-172**
ISCJB	I	31 16 29 35.7–.17	19.37S–.03	69.13W–.03	102	5.4b		**¶11657514**
NEIC	I	31 16 29 36.9–.16	19.41S	69.07W	102	5.4b,5.4W		
GUC	I	31 16 29 36.7–.38	19.63S	69.44W	100–3	5.6L,5.4W		
LDG	I	31 16 29 37.4–.37	19.26S	69.02W	106	5.1b,4.2s		
IDC	I	31 16 29 37.1–.34	19.49S	69.16W	106–2	5.0,5.0		
MOS	I	31 16 29 37.4–1.1	19.05S	69.04W	105	5.4b,5.0		
BJI	I	31 16 29 38.7	19.40S	69.00W	102	5.5b,5.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=34.1.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.8km az=51.0. Felt [IV] at Alto Hospicio, Camina, Huara, Iquique, Pica and Pozo Almonte; [III] at Arica, Camarones and Pisagua. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.79 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$1.04 $M_{r\theta}$-0.58 $M_{\theta\phi}$0.06 $M_{\theta r}$-1.30 Best double couple: NP1:ϕ_s159.00000°,δ20.00000°,λ-131.00000°. NP2:ϕ_s21.00000°,δ75.00000°,λ-76.00000°. Principal axes: T 1.7700,Plg28.0000° ,Azm100.0000°; N -0.1300,Plg13.0000°,Azm197.0000°; P -1.6400,Plg58.0000° ,Azm309.0000° $M_0$1.70000×10^{17}
GUC Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=22.1km s-min=12.5km az=34.0.
IDC Error ellipse: s-maj=9.2km s-min=8.2km az=45.0.
MOS Error ellipse: s-maj=15.6km s-min=6.5km az=115.2.

(263) Talaud Islands

ISC	**II**	**01 01 50 16.8–.31**	**4.74N–.03**	**127.65E–.05**	**120–2**	**4.9b**	**678**	**2-168**
NEIC	II	01 01 50 07.4–.16	4.85N	127.77E	35	5.1b		**¶11659268**
BJI	II	01 01 50 08.9	4.03N	128.04E	116	5.1b,4.8b		
MOS	II	01 01 50 10.7–.99	4.83N	127.53E	77	5.2b,4.8b		
ISCJB	II	01 01 50 15.5–.44	4.82N–.02	127.70E–.03	122–3	4.9b,4.8b		
MAN	II	01 01 50 15	4.88N	127.76E	114	5.5b,4.8s		
IDC	II	01 01 50 15.8–1.0	4.74N	127.59E	112–8	4.7,4.7		
TEH	II	01 01 50 18.0	4.70N	127.59E	132	5.2L,4.7		
DJA	II	01 01 50 19	4.71N	127.54E	106	5.2b,4.7		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.6km az=63.0.
MOS Error ellipse: s-maj=10.8km s-min=5.8km az=108.5.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.4km az=162.0.
IDC Error ellipse: s-maj=14.5km s-min=7.2km az=75.0.

(259) Mindanao

ISC	**II**	**02 18 12 45.3–.62**	**5.31N–.07**	**125.6E–.10**	**150**	**4.1b**	**35**	**1-88**
ISCJB	II	02 18 12 43.8–.46	5.27N–.05	125.60E–.08	150	4.0b		**¶12699421**
IDC	II	02 18 12 46.9–.80	5.40N	125.67E	167–7	3.8,3.6		
MAN	II	02 18 12 46	5.36N	125.59E	144	4.9b,3.9s		
DJA	II	02 18 12 48	5.18N	125.87E	127	4.9,3.9s		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.5km az=165.9.
IDC Error ellipse: s-maj=20.5km s-min=9.2km az=78.0.

(186) Vanuatu Islands

ISC	**II**	**03 00 07 10.1–.30**	**19.15S–.04**	**169.52E–.04**	**264–2**	**5.2b**	**900**	**4-167**
MOS	II	03 00 07 09.9–1.2	19.06S	169.49E	269	5.5b		**¶13434203**
IDC	II	03 00 07 09.5–1.1	19.12S	169.52E	254–8	4.8,4.8		
ISCJB	II	03 00 07 09.7–.53	19.08S–.05	169.43E–.03	266–5	5.1b,4.8		
NOU	II	03 00 07 10.2–1.3	18.54S	169.39E	30–999	3.9,4.8		
NEIC	II	03 00 07 10.8–.71	19.05S	169.49E	265–6	5.3b,4.8		
BGS	II	03 00 07 11.6–3.5	19.05S	169.49E	265	5.3b,4.8		
BJI	II	03 00 07 12.6	18.46S	169.35E	269	5.1b,5.0b		

ISC Event type se.
MOS Error ellipse: s-maj=8.8km s-min=8.3km az=15.6.
IDC Error ellipse: s-maj=13.0km s-min=8.2km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.4km az=169.6.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.7km az=161.0.
BGS Error ellipse: s-maj=524.2km s-min=999.9km az=-1.0.

(717) Afghanistan-Tajikistan border region

ISC	**II**	**06 17 11 34.0–.33**	**36.59N–.04**	**70.99E–.03**	**211–2**	**4.3b**	**308**	**3-150**
BJI	II	06 17 11 32.5	36.72N	70.84E	216	4.6b,4.5b		**¶13434337**
ISCJB	II	06 17 11 32.7–.27	36.56N–.02	71.01E–.03	212–3	4.3b,4.5b		
MOS	II	06 17 11 32.4–.84	36.56N	70.98E	211	4.3b,4.5b		
NEIC	II	06 17 11 34.3–.28	36.59N	70.98E	217	4.5b,4.5b		
IDC	II	06 17 11 34.9–.87	36.59N	71.00E	222–7	4.1,4.0		
NNC	II	06 17 11 36.2–1.7	36.92N	70.72E	163–21	5.5,4.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=160.6.
MOS Error ellipse: s-maj=9.4km s-min=5.1km az=86.3.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=6.1km az=91.0. Felt [II] at Kabul. Also felt at Feyzabad.
IDC Error ellipse: s-maj=9.6km s-min=9.2km az=138.0.
NNC Error ellipse: s-maj=13.8km s-min=10.2km az=21.0.

(221) Kuril Islands

ISC	**II**	**07 10 09 34.3–1.1**	**44.23N–.06**	**147.96E–.07**	**83–8**	**4.3b**	**78**	**1-82**
NIED	II	07 10 09 00	44.00N	147.80E	77	3.8W		**¶13434360**
SKHL	II	07 10 09 30.0–2.3	44.15N	148.68E	43–7	5.8b		
MOS	II	07 10 09 34.9–1.5	44.49N	147.85E	94	4.3b		
ISCJB	II	07 10 09 34.4–.82	44.28N–.06	147.89E–.08	99–7	4.1b		
JMA	II	07 10 09 37.4–.20	43.96N	147.79E	88	4.0		
IDC	II	07 10 09 40.5–3.2	44.82N	147.54E	106–32	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s249.00000°,δ74.00000°,λ-124.00000°. NP2:ϕ_s137.00000°,δ38.00000°,λ-28.00000°. $M_0$5.78000×10^{14}
MOS Error ellipse: s-maj=12.9km s-min=8.6km az=118.8.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=9.3km az=152.0.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=64.3km s-min=15.0km az=169.0.

(105) Near coast of Ecuador

ISC	**II**	**08 20 49 24.8–.34**	**2.61S–.03**	**79.14W–.05**	**94–2**	**4.8b**	**446**	**1-164**
ISCJB	II	08 20 49 25.0–.26	2.64S–.02	78.96W–.04	105–2	4.6b		**¶11667447**
IDC	II	08 20 49 24.8–.48	2.51S	78.90W	86–4	4.3,4.3		
NEIC	II	08 20 49 24.6–.26	2.53S	78.89W	86	4.9b,4.9		
IGQ	II	08 20 49 24.8	2.57S	79.18W	88–14	4.9b,4.8s		
BJI	II	08 20 49 25.0	2.50S	79.00W	88	5.5s,5.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.6km az=175.3.
IDC Error ellipse: s-maj=17.9km s-min=8.4km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.8km az=59.0. Felt [II] at Cuenca and Guayaquil. Also felt at Alfredo Baquerizo Moreno, Azogues, Canar, Eloy Alfaro, La Troncal and Salinas.
IGQ Error ellipse: s-maj=1.9km s-min=0.8km az=4.1.

(215) Mariana Islands region

ISC	**II**	**09 01 17 55.9–.36**	**21.41N–.03**	**145.89E–.04**	**72–2**	**5.2b**	**911**	**7-151**
IDC	II	09 01 17 50.6–2.9	21.38N	146.02E	30–20	4.8s,4.8		**¶11667454**
MOS	II	09 01 17 51.6–.86	21.38N	145.83E	49	5.5b,5.0s		
ISCJB	II	09 01 17 53.0–.68	21.38N–.03	145.86E–.02	60–5	5.2b,5.0s		
NEIC	II	09 01 17 53.3–.83	21.43N	145.91E	49–7	5.2b,5.0s		
BJI	II	09 01 17 57.1	21.68N	145.44E	66	5.4b,5.3b		
DJA	II	09 01 18 08	21.44N	145.59E	165	5.0b,5.3b		

ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=12.6km az=85.0.
MOS Error ellipse: s-maj=8.5km s-min=4.7km az=106.9.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.1km az=9.0.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.9km az=106.0.

(248) Philippine Islands region

ISC	**II**	**09 17 41 56.2–.60**	**21.14N–.04**	**121.99E–.05**	**179–5**	**3.8b**	**169**	**1-113**
NIED	II	09 17 41 00	21.40N	122.20E	50	4.3W		**¶12699860**
TAP	II	09 17 41 55.7	21.21N	122.06E	172–1	5.1L		
ISCJB	II	09 17 41 56.5–.37	21.30N–.03	121.96E–.04	173–2	4.0b		
IDC	II	09 17 41 56.4–.92	21.04N	122.20E	183–8	3.8,3.7		
JMA	II	09 17 41 58.6–.50	21.35N	122.22E	196	3.8,3.7		
MAN	II	09 17 42 26	18.83N	121.46E	43	4.7b,3.5s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s316.00000°,δ83.00000°,λ-172.00000°. NP2:ϕ_s225.00000°,δ82.00000°,λ-7.00000°. $M_0$2.81000×10^{15}
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=10.5.
IDC Error ellipse: s-maj=19.9km s-min=8.3km az=71.0.
JMA Error ellipse: s-maj=4.4km s-min=7.2km az=-1.0.

(267) Halmahera

ISC	**II**	**09 19 41 12.4–.31**	**1.73N–.03**	**127.18E–.04**	**117–2**	**5.0b**	**435**	**1-165**
MOS	II	09 19 41 03.3–.95	1.81N	127.11E	48	5.3b		**¶13434423**
BJI	II	09 19 41 07.5	1.39N	127.47E	116	5.1b,5.1b		
ISCJB	II	09 19 41 11.7–.38	1.78N–.02	127.26E–.03	127–3	5.0b,5.1b		
NEIC	II	09 19 41 11.6–.84	1.76N	127.23E	112–8	5.1b,5.1b		
IDC	II	09 19 41 12.1–1.0	1.74N	127.22E	114–8	4.6,4.6		
DJA	II	09 19 41 14	1.76N	127.14E	106	5.3b,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=12.6km s-min=5.9km az=109.2.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.3km az=166.4.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.0km az=72.0. Felt on Ternate.
IDC Error ellipse: s-maj=13.1km s-min=6.7km az=79.0.

(221) Kuril Islands

ISC	**II**	**11 05 52 29.5–.39**	**45.33N–.05**	**150.21E–.04**	**111–2**	**4.7b**	**633**	**2-151**
NIED	II	11 05 52 00	44.90N	150.00E	89	4.5W		**¶13434450**
ISCJB	II	11 05 52 27.9–.38	45.43N–.04	150.15E–.03	104–4	4.6b		
MOS	II	11 05 52 28.4–1.1	45.46N	150.19E	113	4.7b		
SZGRF	II	11 05 52 28.4	46.50N	150.16E	33	5.1b		
BJI	II	11 05 52 28.4	45.56N	150.28E	115	4.8b,4.8b		
SKHL	II	11 05 52 28.7–.60	45.36N	150.29E	108–17	6.3s,5.9b		
IDC	II	11 05 52 29.1–.55	45.51N	150.10E	102–5	4.2,4.2		
NEIC	II	11 05 52 29.9–.67	45.46N	150.12E	110–6	4.8b,4.2		
JMA	II	11 05 52 32.5–.60	44.85N	150.02E	118	4.9,4.2		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s62.00000°,δ80.00000°,λ95.00000°. NP2:ϕ_s215.00000°,δ11.00000°,λ64.00000°. M_o5.72000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.0km az=171.0.
MOS Event type fe. Error ellipse: s-maj=7.3km s-min=5.0km az=107.1. Felt (II-III) at Kuril'sk, Reidovo, Goryachiye Klyuchi. Moment Tensor Solution.
SZGRF Kuril Islands, Russia.
SKHL Event type fe. Felt (II-III) at Kurilsk, Reydovo, Goryachie Kluchi.
IDC Error ellipse: s-maj=13.6km s-min=9.2km az=158.0.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.3km az=162.0. Recorded [1 JMA] in eastern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.

(192) New Britain region

ISC	**II**	**11 16 02 07.5–.39**	**5.60S–.05**	**151.80E–.06**	**63–2**	**4.8b**	**252**	**6-157**
IDC	II	11 16 01 59.2–.51	5.49S	151.86E	0	4.8,4.8		**¶11671873**
MOS	II	11 16 02 03.4–1.1	5.40S	151.71E	34	5.2b,4.4s		
ISCJB	II	11 16 02 03.8–1.1	5.53S–.05	151.76E–.05	44–10	4.8b,4.3s		
BJI	II	11 16 02 03.7	5.61S	152.14E	64	5.2b,4.8s		
NEIC	II	11 16 02 07.0–.96	5.53S	151.76E	57–9	4.9b,4.8s		
DJA	II	11 16 02 10	5.78S	151.84E	85	5.0b,4.8s		

ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=11.5km az=107.0.
MOS Error ellipse: s-maj=10.7km s-min=8.2km az=97.4.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=7.7km az=42.9.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.6km az=94.0.

(263) Talaud Islands

ISC	**II**	**11 20 09 33.5–.88**	**4.09N–.04**	**126.76E–.05**	**61–8**	**5.2b**	**476**	**3-167**
BJI	II	11 20 09 25.2	3.61N	126.78E	34	5.5b,5.4s		**¶13434492**
IDC	II	11 20 09 25.1–.34	4.05N	126.71E	0	5.0,5.0		
MOS	II	11 20 09 28.5–1.1	4.06N	126.71E	33	5.5b,5.0		
NEIC	II	11 20 09 30.2–.17	4.03N	126.74E	35	5.4b,5.0		
ISCJB	II	11 20 09 33.9–.43	4.11N–.02	126.78E–.03	80–3	5.1b,5.0		
DJA	II	11 20 09 36	3.99N	126.86E	78	5.2b,5.0		

ISC Event type fe.
IDC Error ellipse: s-maj=15.1km s-min=8.9km az=74.0.
MOS Error ellipse: s-maj=10.5km s-min=4.7km az=114.7.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.0km az=74.0. Felt [IV] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=171.2.

(124) Chile-Bolivia border region

ISC	**II**	**11 20 45 32.6–.21**	**20.25S–.03**	**68.91W–.04**	**109–1**	**5.3b**	**1071**	**1-173**
DJA	II	11 20 45 22	20.84S	68.54W	10	5.3b		**¶13434495**
ISCJB	II	11 20 45 29.6–.37	20.13S–.03	68.80W–.03	92–3	5.3b		
GUC	II	11 20 45 31.7–.70	20.34S	69.22W	117–5	5.5L		
MOS	II	11 20 45 31.8–1.1	19.92S	68.79W	103	5.4b		
IDC	II	11 20 45 32.8–.33	20.21S	68.90W	109–2	5.0,5.0		
NEIC	II	11 20 45 32.6–.15	20.25S	68.79W	109	5.3b,5.0		
BJI	II	11 20 45 33.0	20.20S	68.70W	109	5.5b,5.0		
LDG	II	11 20 45 33.5–.43	19.71S	68.82W	113	5.1b,5.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.0km az=139.1.
GUC Error ellipse: s-maj=1.8km s-min=6.8km az=-1.0.
MOS Error ellipse: s-maj=15.2km s-min=6.8km az=116.3.
IDC Error ellipse: s-maj=11.8km s-min=8.2km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=71.0. Felt [IV] at Alto Hospicio, Camina, Iquique and Pica; [III] at Arica, Cuya, La Tirana, Pozo Almonte and Ujina; [II] at Maria Elena, Pisagua and Tocopilla. Also felt at Tacna, Peru.
LDG Event type ke. Error ellipse: s-maj=25.9km s-min=14.9km az=30.0.

(263) Talaud Islands

ISC	**II**	**13 02 24 26.6–.32**	**3.74N–.03**	**126.72E–.04**	**74–2**	**5.2b**	**476**	**3-169**
IDC	II	13 02 24 19.7–4.0	3.76N	126.65E	18–25	4.9,4.9		**¶11672872**
MOS	II	13 02 24 20.2–1.1	3.77N	126.61E	33	5.5b,4.3s		
BJI	II	13 02 24 21.2	3.28N	126.85E	81	5.2b,5.0b		
NEIC	II	13 02 24 22.3–.18	3.74N	126.73E	35	5.3b,5.0b		
ISCJB	II	13 02 24 23.9–.46	3.77N–.02	126.77E–.03	66–4	5.2b,5.0b		
DJA	II	13 02 24 28	3.54N	126.76E	73	5.2W,5.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.7km s-min=9.5km az=75.0.
MOS Error ellipse: s-maj=10.8km s-min=5.3km az=112.5.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=71.0. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=159.4.

(189) Southeast of Loyalty Islands

ISC	**II**	**14 02 06 55.2–.49**	**21.56S–.06**	**170.32E–.05**	**127–3**	**5.2b**	**534**	**3-166**
MOS	II	14 02 06 43.5–1.3	21.39S	170.45E	33	5.5b		**¶13434608**
IDC	II	14 02 06 51.9–1.5	21.58S	170.43E	97–11	4.9,4.9		
ISCJB	II	14 02 06 52.0–1.0	21.51S–.05	170.33E–.05	106–8	5.3b,4.9		
NOU	II	14 02 06 52.4–.48	20.43S	170.07E	10	4.0s,3.7		
SZGRF	II	14 02 06 52.8	21.38S	171.68E	111	4.0s,3.7		
NEIC	II	14 02 06 54.5–.98	21.51S	170.42E	120–8	5.3b,3.7		
DJA	II	14 02 06 54	21.61S	170.23E	107	5.6b,3.7		
BGS	II	14 02 06 56.8–4.5	21.51S	170.42E	120	5.3b,3.7		
BJI	II	14 02 07 01.1	20.83S	170.09E	156	5.3b,5.1b		

ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=9.5km az=18.7.
IDC Error ellipse: s-maj=15.5km s-min=11.7km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.9km az=147.3.
NOU Error ellipse: s-maj=26.3km s-min=16.4km az=-1.0.
SZGRF Southeast of Loyalty Islands.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=60.0.
BGS Error ellipse: s-maj=291.3km s-min=999.9km az=-1.0.

(127) Chile-Argentina border region

ISC	**II**	**16 02 22 48.6–.34**	**29.10S–.03**	**69.83W–.04**	**82–2**	**5.6b**	**1227**	**1-179**
DJA	II	16 02 22 41	29.70S	69.65W	10	5.6b		**¶11678027**
MOS	II	16 02 22 47.3–.86	28.86S	69.77W	72	5.9b		
LDG	II	16 02 22 47.7–.24	28.73S	69.98W	80	5.4b,4.0s		
ISCJB	II	16 02 22 47.4–.39	29.02S–.03	69.69W–.04	79–3	5.5b,4.0s		
BJI	II	16 02 22 48.3	29.00S	69.60W	84	5.3s,5.3b		
NEIC	II	16 02 22 50.0	29.13S	69.81W	75	5.7b,5.6		
GUC	II	16 02 22 50.5–.77	29.13S	69.81W	75	5.6L,5.6		
IDC	II	16 02 22 52.4–.70	29.13S	69.84W	111–6	5.2,5.1		

ISC Event type fe.
MOS Error ellipse: s-maj=10.2km s-min=6.0km az=96.8.
LDG Event type ke. Error ellipse: s-maj=23.4km s-min=11.8km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.1km az=163.1.
NEIC Event type fe. Felt [III] at La Rioja and San Juan. Felt [IV] at Coquimbo, La Higuera, La Serena and Vicuna; [III] at Copiapo and Vallenar; [II] at Alto del Carmen, Caldera, Chanaral, Freirina and Huasco, Chile. Also felt at Diego de Almagro, Ovalle and Salamanca. After GUC.
GUC Error ellipse: s-maj=2.0km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=15.7km s-min=8.5km az=70.0.

(267) Halmahera

ISC	**II**	**17 07 01 51.4–.36**	**2.27N–.03**	**128.39E–.05**	**86–2**	**5.1b**	**513**	**2-159**
BJI	II	17 07 01 43.7	1.79N	128.75E	69	5.3b,5.2b		**¶11678710**
MOS	II	17 07 01 44.6–1.0	2.43N	128.17E	33	5.5b,5.2b		
ISCJB	II	17 07 01 49.5–.21	2.37N–.03	128.43E–.03	78	5.1b,5.2b		
TEH	II	17 07 01 52.0	2.33N	128.31E	84	5.2L,5.2b		
NEIC	II	17 07 01 54.9–.85	2.30N	128.22E	114–7	5.0b,5.2b		
IDC	II	17 07 01 55.4–1.2	2.28N	128.16E	117–10	4.6,4.6		
DJA	II	17 07 01 56	2.37N	128.20E	98	5.1W,4.6		

ISC Event type se.
MOS Error ellipse: s-maj=12.7km s-min=5.8km az=114.1.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.6km az=13.2.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.0km az=76.0.
IDC Error ellipse: s-maj=14.9km s-min=7.3km az=77.0.

(248) Philippine Islands region

ISC	**II**	**21 10 50 28.8–.41**	**5.82N–.04**	**126.95E–.06**	**114–2**	**4.6b**	**189**	**1-159**
BJI	II	21 10 50 24.1	5.36N	126.96E	114	5.1b,4.7b		**¶11713356**
NEIC	II	21 10 50 28.8–.82	5.87N	126.92E	116–7	4.7b,4.7b		
MAN	II	21 10 50 28	5.85N	126.89E	103	5.1b,4.1s		
IDC	II	21 10 50 28.6–1.4	5.87N	126.92E	114–12	4.3,4.2		
ISCJB	II	21 10 50 28.1–.49	5.85N–.03	126.91E–.06	125–4	4.6b,4.2		
MOS	II	21 10 50 28.0–.91	5.84N	126.82E	124	4.5b,4.2		
DJA	II	21 10 50 30	5.74N	127.02E	46	5.0b,4.2		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.3km az=75.0.
IDC Error ellipse: s-maj=19.2km s-min=9.4km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=3.9km az=165.4.
MOS Error ellipse: s-maj=17.7km s-min=6.6km az=113.4.

(221) Kuril Islands

ISC	**II**	**22 23 22 44.1–.54**	**45.86N–.06**	**150.45E–.05**	**116–4**	**4.6b**	**760**	**2-151**
NIED	II	22 23 22 00	45.10N	150.40E	5	4.2W		**¶13434994**
ISCJB	II	22 23 22 42.6–.39	45.90N–.04	150.52E–.03	112–4	4.6b		
IDC	II	22 23 22 43.8–.56	45.93N	150.46E	112–5	4.2,4.2		
MOS	II	22 23 22 43.6–.91	45.91N	150.47E	121	4.5b,4.2		
SKHL	II	22 23 22 44.9–.40	45.85N	150.50E	117–13	6.4s,5.1b		
NEIC	II	22 23 22 45.2–.60	45.96N	150.45E	121–5	4.7b,5.1b		
BJI	II	22 23 22 45.1	46.62N	150.81E	141	5.0b,4.7b		
SZGRF	II	22 23 22 47.6	46.41N	150.38E	33	4.8b,4.7b		
JMA	II	22 23 22 47.4–.60	45.15N	150.45E	130	4.6,4.7b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s78.00000°,δ47.00000°,λ-87.00000°. NP2:ϕ_s253.00000°,δ43.00000°,λ-93.00000°. M_o2.42000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.0km az=170.5.
IDC Error ellipse: s-maj=13.2km s-min=9.7km az=148.0.
MOS Error ellipse: s-maj=7.4km s-min=5.2km az=93.5.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.4km az=162.0.
SZGRF Kuril Islands, Russia.
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.

(184) Santa Cruz Islands

ISC	**II**	**24 18 30 15.4–.20**	**13.22S–.04**	**167.25E–.04**	**222**	**5.2b**	**964**	**8-170**
SZGRF	II	24 18 29 38.9	16.95S	170.79E	33	5.2b		**¶11728645**
BJI	II	24 18 30 13.8	13.08S	167.36E	221	5.1b,5.1b		
IDC	II	24 18 30 13.4–.85	13.24S	167.29E	202–6	4.8,4.8		
ISCJB	II	24 18 30 14.1–.12	13.22S–.03	167.19E–.03	219	5.0b,4.8		
MOS	II	24 18 30 15.5–1.0	13.09S	167.12E	223	5.2b,4.8		
NEIC	II	24 18 30 15.3–.12	13.18S	167.24E	220	5.2b,4.8		
TEH	II	24 18 30 17.0	13.12S	167.16E	236	5.4L,4.8		
DJA	II	24 18 30 40	13.63S	166.17E	422	4.8b,4.8		

ISC Event type se.
SZGRF Vanuatu Islands region.
IDC Error ellipse: s-maj=10.3km s-min=8.5km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.3km az=137.7.
MOS Error ellipse: s-maj=8.3km s-min=7.3km az=130.9.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.9km az=129.0.

(259) Mindanao

ISC	**II**	**25 07 51 43.9–.47**	**9.11N–.03**	**126.32E–.05**	**72–3**	**5.0b**	**350**	**1-164**
DJA	II	25 07 51 37	9.52N	126.82E	10	5.1b		**¶13435075**
MOS	II	25 07 51 37.6–.98	9.13N	126.16E	33	5.2b		
BJI	II	25 07 51 39.7	8.77N	126.58E	80	4.9b,4.8b		
MAN	II	25 07 51 41	9.11N	126.37E	19	5.5b,4.8s		
ISCJB	II	25 07 51 42.4–.44	9.11N–.02	126.36E–.03	76–3	4.9b,4.8s		
IDC	II	25 07 51 42.6–1.4	9.15N	126.29E	60–11	4.6,4.6		
TEH	II	25 07 51 45.0	9.09N	126.21E	81	4.8L,4.6		
NEIC	II	25 07 51 45.1–.80	9.10N	126.28E	84–7	5.0b,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=12.6km s-min=5.8km az=112.5.
MAN Event type fe. INTENSITY IV - SAN FRANCISCO AGUSAN DEL SUR; INTENSITY III - BISLIG SURIGAO DEL SUR.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.4km az=161.4.
IDC Error ellipse: s-maj=15.8km s-min=8.7km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.2km az=68.0. Felt [IV PIVS] at San Francisco; [III PIVS] at Bislig and Hinatuan; [II PIVS] at Butuan, Compostela, La Paz and Surigao; [I PIVS] at Mati. Also felt [I PIVS] on Camiguin Island.

(290) Timor Sea

ISC	**II**	**26 21 09 28.9–.16**	**7.53S–.03**	**127.80E–.03**	**138**	**5.4b**	**1274**	**4-163**
BJI	II	26 21 09 19.9	8.28S	128.35E	128	5.5b,5.3b		**¶14189878**
MOS	II	26 21 09 28.5–.91	7.37S	127.71E	137	5.3b,4.2s		
ISCJB	II	26 21 09 28.1–.13	7.51S–.02	127.78E–.02	139	5.3b,4.2s		
NEIC	II	26 21 09 30.0–.11	7.47S	127.77E	145	5.5W,5.4b		
IDC	II	26 21 09 31.1–.56	7.47S	127.67E	152–4	5.1b,5.1		
DJA	II	26 21 09 33	7.74S	127.81E	158	5.2W,5.1		

ISC Event type se.
MOS Error ellipse: s-maj=10.2km s-min=5.3km az=116.6.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.7km az=35.5.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=53.0. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-1.15 $M_{r\theta}$-1.10 $M_{\theta\phi}$0.00 $M_{\phi r}$-0.56 Best double couple: NP1:ϕ_s351.00000°,δ32.00000°,λ50.00000°. NP2:ϕ_s215.00000°,δ66.00000°,λ112.00000°. Principal axes: T 2.0300,Plg62.0000°,Azm160.0000° ; N -0.6800,Plg19.0000°,Azm25.0000°; P -1.3400,Plg17.0000°,Azm289.0000° M_o1.80000×10^{17}
IDC Error ellipse: s-maj=10.6km s-min=6.8km az=73.0.

(280) Banda Sea

ISC	**II**	**27 06 38 15.2–.65**	**7.58S–.06**	**128.35E–.10**	**151**	**4.0b**	**29**	**5-151**
ISCJB	II	27 06 38 13.5–.56	7.51S–.05	128.29E–.09	151	3.9b		**¶12701981**
DJA	II	27 06 38 15.9–1.0	7S–8.0	128E–12	152–22	5.5b,5.0		
IDC	II	27 06 38 16.9–2.5	7.46S	128.15E	160–23	3.7,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=6.4km az=169.8.
IDC Error ellipse: s-maj=30.8km s-min=13.7km az=65.0.

(224) Hokkaido region

ISC	**II**	**28 00 35 56.1–.18**	**42.57N–.02**	**142.13E–.02**	**101**	**5.5b**	**2170**	**0-154**
DJA	II	28 00 35 45	42.78N	142.51E	10	5.4b		**¶13435176**
BJI	II	28 00 35 54.5	42.55N	142.15E	106	5.2b,4.9b		
BGS	II	28 00 35 55.6–1.5	42.31N	141.67E	105	5.4b,4.9b		
MOS	II	28 00 35 55.3–.86	42.58N	142.13E	107	5.6b,4.4s		
JMA	II	28 00 35 55.0–.10	42.58N	142.19E	113–2	5.3,4.4s		
ISCJB	II	28 00 35 55.1–.06	42.55N–.01	142.12E–.01	105	5.5b,4.4s		
SZGRF	II	28 00 35 56.8	42.90N	142.85E	107	5.8b,4.4s		
NEIC	II	28 00 35 56.7–.08	42.61N	142.10E	105	5.5b,5.5W		
IDC	II	28 00 35 56.1–.45	42.62N	142.13E	100–3	5.1,5.1		
NIED	II	28 00 36 00	42.60N	142.20E	113	5.5W,5.1		

ISC Event type se.
BGS Error ellipse: s-maj=306.6km s-min=800.7km az=-1.0.
MOS Error ellipse: s-maj=5.9km s-min=3.9km az=103.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s92.00000°,δ89.00000°,λ107.00000°. NP2: ϕ_s184.00000°,δ17.00000°,λ2.00000°. Principal axes: T Plg43.0000°,Azm18.0000° ; N Plg17.0000°,Azm272.0000°; P Plg42.0000°,Azm166.0000°
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.3km az=148.6.
SZGRF Hokkaido, Japan, region.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=154.0. Recorded [4 JMA] in southwestern Hokkaido and [2 JMA] in southeastern Hokkaido. Also recorded [3 JMA] in Aomori and [2 JMA] in Iwate and Miyagi, Honshu. Moment Tensor Solution. s52 Moment tensor: Scale 10^{17}Nm; M_{rr}0.56 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-1.03 $M_{r\theta}$1.65 $M_{\theta\phi}$-0.47 $M_{\phi r}$0.10 Best double couple: NP1:ϕ_s65.00000°,δ81.00000°,λ121.00000°. NP2:ϕ_s170.00000°,δ33.00000°,λ17.00000°. Principal axes: T 2.1900,Plg44.0000°,Azm6.0000° ; N -0.6900,Plg30.0000°,Azm239.0000°; P -1.5000,Plg29.0000°,Azm130.0000° M_o1.90000×10^{17} Moment Tensor Solution. M_o2.00000×10^{17}
IDC Error ellipse: s-maj=8.9km s-min=7.3km az=123.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s71.00000°,δ81.00000°,λ130.00000°. NP2:ϕ_s172.00000°,δ41.00000°,λ14.00000°. M_o1.97000×10^{17}

(216) Mariana Islands

ISC	**II**	**28 20 00 22.0–.47**	**13.82N–.05**	**144.79E–.08**	**154–2**	**4.4b**	**135**	**0-155**
ISCJB	II	28 20 00 20.9–.55	13.84N–.04	144.84E–.08	160–5	4.4b		**¶11788676**
BJI	II	28 20 00 20.5	13.80N	144.60E	150	4.5b,4.5b		
IDC	II	28 20 00 21.4–.31	13.77N	144.91E	152–2	4.0,3.9		
NEIC	II	28 20 00 22.2–.76	13.84N	144.83E	156–7	4.4b,3.9		
DJA	II	28 20 00 22.4–.90	14N–8.0	145E–19	147–7	5.7b,5.2		

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

(196) Irian Jaya region

ISC	**II**	**28 20 35 16.6–.43**	**0.67S–.04**	**132.85E–.06**	**94–2**	**4.6b**	**150**	**2-151**
IDC	II	28 20 35 05.5–.71	0.54S	132.84E	0	4.6,4.5		**¶11788677**
DJA	II	28 20 35 11.1–1.1	1S–3.0	133E–2.0	30–10	5.7b,5.2		
ISCJB	II	28 20 35 15.2–.28	0.68S–.03	132.78E–.04	95	4.6b,5.2		
BJI	II	28 20 35 15.7	0.50S	132.60E	82	4.8b,4.5b		
NEIC	II	28 20 35 16.6–1.7	0.61S	132.79E	91–16	4.7b,4.5b		

ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=11.8km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.6km az=179.8.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=4.9km az=47.0.

(221) Kuril Islands

ISC	**II**	**28 22 58 40.4–.60**	**45.67N–.05**	**149.40E–.04**	**131–5**	**4.6b**	**717**	**1-151**
NIED	II	28 22 58 00	45.10N	149.50E	119	4.6W		**¶11730992**
SKHL	II	28 22 58 38.9–.10	45.71N	149.74E	125–14	6.2b,5.7		
ISCJB	II	28 22 58 39.2–.32	45.69N–.03	149.42E–.03	131–3	4.4b,5.7		
MOS	II	28 22 58 39.4–.99	45.82N	149.38E	128	4.6b,5.7		
NEIC	II	28 22 58 41.3–.54	45.83N	149.34E	132–5	4.7b,5.7		
JMA	II	28 22 58 42.6–.60	45.10N	149.51E	161	4.4,5.7		
IDC	II	28 22 58 42.3–1.6	45.95N	149.26E	140–15	4.1,4.0		
BJI	II	28 22 58 44.1	46.20N	149.30E	182	4.6b,4.2b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s80.00000°,δ76.00000°,λ-93.00000°. NP2:ϕ_s273.00000°,δ15.00000°,λ-77.00000°. $M_0$9.21000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.9km az=158.2.
MOS Error ellipse: s-maj=8.6km s-min=5.8km az=65.6.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.0km az=158.0.
JMA Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=13.7km s-min=8.2km az=152.0.

(280) Banda Sea

ISC	**III**	**01 15 26 12.5–.35**	**7.51S–.05**	**128.39E–.07**	**151**	**4.4b**	**119**	**3-151**
ISCJB	III	01 15 26 10.9–.26	7.53S–.03	128.29E–.05	151	4.4b		**¶11731010**
IDC	III	01 15 26 10.8–2.8	7.37S	128.44E	133–25	4.1,4.1		
NEIC	III	01 15 26 14.0–1.1	7.44S	128.38E	163–11	4.6b,4.1		
BJI	III	01 15 26 14.2	7.30S	128.95E	195	4.5b,4.3b		
DJA	III	01 15 26 16.2–.50	8S–5.0	129E–6.0	155–32	5.5b,5.0		

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

(181) Fiji Islands region

ISC	**III**	**01 15 42 13.8–.24**	**21.75S–.04**	**176.50W–.04**	**173–1**	**5.2b**	**1541**	**7-178**
ISCJB	III	01 15 42 08.4–1.6	21.74S–.05	176.61W–.03	132–14	5.2b		**¶13435292**
DJA	III	01 15 42 09.7–1.7	22S–11	176W–12	126–23	7.0,6.2		
MOS	III	01 15 42 11.1–.90	21.59S	176.59W	153	5.3b,6.2		
BJI	III	01 15 42 12.6	21.17S	176.04W	171	5.2b,5.2b		
NEIC	III	01 15 42 13.7–.11	21.76S	176.58W	173	5.2b,5.2b		
IDC	III	01 15 42 13.8–.68	21.66S	176.55W	170–5	5.1,5.1		
GCMT	III	01 15 42 15.9–.10	21.83S	176.16W	180–0	5.5W,5.1		
SZGRF	III	01 15 42 15.7	21.30S	177.11W	164	5.5W,5.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.0km az=167.3.
MOS Error ellipse: s-maj=8.9km s-min=7.8km az=140.3.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=154.0.
IDC Error ellipse: s-maj=9.5km s-min=8.0km az=11.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 112 sta. Moment Tensor Solution. s91,c170; s99,c217; Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.02 $M_{\theta\theta}$-0.70±.03; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$-1.31±.02; $M_{\theta\phi}$-0.22±.03; $M_{\phi r}$-1.59±.02; Best double couple: NP1: ϕ_s93.00000°,δ13.00000°,λ140.00000°. NP2:ϕ_s222.00000°,δ82.00000°,λ80.00000°. Principal axes: T 2.2700,Plg52.0000°,Azm121.0000°; N -0.1700,Plg10.0000°,Azm224.0000° ; P -2.1000,Plg36.0000°,Azm321.0000° $M_0$2.20000×10^{17}
SZGRF Fiji Islands region.

(210) South of Mariana Islands

ISC	**III**	**03 05 10 49.9–.31**	**13.15N–.04**	**143.88E–.04**	**138–2**	**5.2b**	**967**	**1-168**
ISCJB	III	03 05 10 48.6–.51	13.14N–.03	143.78E–.02	133–4	5.1b		**¶13435436**
BJI	III	03 05 10 48.5	13.12N	144.00E	145	5.2b,5.1b		
IDC	III	03 05 10 49.6–.50	13.10N	143.89E	136–4	4.9,4.9		
MOS	III	03 05 10 49.0–1.1	13.22N	143.76E	137	5.1b,4.9		
NEIC	III	03 05 10 50.2–.55	13.10N	143.84E	140–4	5.3b,4.9		
DJA	III	03 05 10 50.2–.30	13N–6.0	144E–6.0	142–5	5.5b,5.2		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Hagatna and Santa Rita; [II] at Hagatna Heights. Also felt at Andersen AFB, Chalan Pago, Dededo, Mangilao, Tamuning and Yigo.

(153) South Sandwich Islands region

ISC	**III**	**03 06 04 59.4–.26**	**56.39S–.06**	**26.96W–.06**	**101**	**5.3b**	**280**	**16-176**
ISCJB	III	03 06 04 58.3–.25	56.31S–.05	26.92W–.08	101	5.1b		**¶11739003**
IDC	III	03 06 05 00.1–.71	56.42S	27.00W	104–5	4.8,4.7		
GCMT	III	03 06 05 02.4–.20	56.45S	26.67W	95–1	5.3W,4.7		
BJI	III	03 06 05 02.6	56.30S	27.00W	133	5.1b,4.7		
NEIC	III	03 06 05 03.5–1.7	56.35S	27.06W	134–14	5.2b,4.7		
DJA	III	03 06 05 18.0–9.6	57S–43	24W–60	191–74	5.7b,5.2		

ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s83,c117; s90,c151; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.37±.16 $M_{\theta\theta}$5.87±.18; $M_{\phi\phi}$-4.50±.17; $M_{r\theta}$-3.24±.12; $M_{\theta\phi}$5.96±.17; $M_{\phi r}$4.83±.11; Best double couple: NP1:ϕ_s206.00000°,δ63.00000°,λ-161.00000°. NP2:ϕ_s107.00000°,δ73.00000°,λ-28.00000°. Principal axes: T 8.7000,Plg7.0000° ,Azm158.0000°; N 2.1000,Plg58.0000°,Azm259.0000°; P -10.7000,Plg32.0000° ,Azm64.0000° $M_0$9.70000×10^{16}
NEIC Event type se.

(216) Mariana Islands

ISC	**III**	**04 20 45 29.6–.29**	**16.19N–.03**	**145.80E–.04**	**147–2**	**5.1b**	**809**	**3-167**
BJI	III	04 20 45 27.0	16.34N	146.16E	145	5.1b,5.0b		**¶11752977**
ISCJB	III	04 20 45 28.4–.69	16.23N–.03	145.73E–.02	139–6	5.1b,5.0b		
MOS	III	04 20 45 28.9–1.2	16.25N	145.68E	154	5.1b,5.0b		
IDC	III	04 20 45 29.5–.39	16.18N	145.66E	148–3	4.5,4.5		
NEIC	III	04 20 45 29.4–.16	16.21N	145.78E	141	5.2b,4.5		
DJA	III	04 20 45 31.3–1.3	16N–7.0	146E–15	150–9	5.6b,5.3b		
GCMT	III	04 20 45 33.2–.30	16.23N	145.88E	152–2	5.0W,5.3b		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.2km az=170.7.
MOS Error ellipse: s-maj=9.4km s-min=6.2km az=100.2.
IDC Error ellipse: s-maj=9.5km s-min=5.1km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=153.0. Felt on Saipan.
GCMT Event type se. Data Used: IC G IU CN II. Moment Tensor Solution. s23,c26; s65,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.97±.11 $M_{\theta\theta}$3.23±.14; $M_{\phi\phi}$-0.26±.15; $M_{r\theta}$-0.68±.13; $M_{\theta\phi}$-1.65±.17; $M_{\phi r}$-0.23±.12; Best double couple: NP1:ϕ_s304.00000°,δ42.00000°,λ-72.00000°. NP2:ϕ_s100.00000°,δ51.00000°,λ-105.00000°. Principal axes: T 3.9300,Plg5.0000° ,Azm201.0000°; N -0.8200,Plg12.0000°,Azm110.0000°; P -3.1100,Plg77.0000° ,Azm312.0000° $M_0$3.50000×10^{16}

(193) Bougainville - Solomon Islands region

ISC	**III**	**06 19 19 31.8–.32**	**10.88S–.04**	**162.46E–.04**	**96–2**	**4.9b**	**350**	**3-161**
DJA	III	06 19 19 22.8–.60	12S–7.0	163E–8.0	10	5.9b,5.5		**¶15153077**
IDC	III	06 19 19 28.8–.54	10.77S	162.39E	70–4	4.6,4.6		
NEIC	III	06 19 19 31.4–.85	10.74S	162.39E	96–7	5.1b,4.6		
GCMT	III	06 19 19 31.2–.10	10.68S	162.41E	74–1	5.3W,4.6		
ISCJB	III	06 19 19 31.5–.82	10.81S–.03	162.36E–.03	102–7	4.9b,4.6		
MOS	III	06 19 19 31.7–1.0	10.78S	162.37E	109	5.0b,4.6		
BJI	III	06 19 19 32.3	10.50S	162.36E	98	5.1b,4.8b		
AUST	III	06 19 19 38.8–1.9	10.68S	162.42E	169–0	5.1b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=11.3km az=123.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=5.4km az=150.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s71,c124; s88,c163; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19±.02 $M_{\theta\theta}$-0.87±.02; $M_{\phi\phi}$1.05±.02; $M_{r\theta}$0.44±.02; $M_{\theta\phi}$-0.55±.02; $M_{\phi r}$-0.15±.02; Best double couple: NP1:ϕ_s209.00000°,δ67.00000°,λ-8.00000°. NP2:ϕ_s302.00000°,δ82.00000°,λ-157.00000°. Principal axes: T 1.2500,Plg11.0000° ,Azm73.0000°; N -0.0800,Plg65.0000°,Azm319.0000°; P -1.1700,Plg22.0000° ,Azm167.0000° $M_0$1.20000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=5.1km az=148.9.
MOS Error ellipse: s-maj=9.3km s-min=8.6km az=11.5.
AUST Error ellipse: s-maj=1.1km s-min=0.9km az=26.0.

(286) Flores region

ISC	**III**	**07 16 27 20.4–.30**	**8.50S–.03**	**123.50E–.04**	**177–2**	**5.5b**	**955**	**1-166**
BJI	III	07 16 27 14.0	8.98S	123.98E	180	5.3b,5.1b		**¶11788781**
MOS	III	07 16 27 15.4–1.1	8.25S	123.55E	138	5.5b,5.1b		
TEH	III	07 16 27 18.0	8.49S	123.57E	144	5.6L,5.1b		
ISCJB	III	07 16 27 19.2–.33	8.54S–.02	123.50E–.02	183–2	5.5b,5.1b		
DJA	III	07 16 27 19.7–.20	9S–2.0	124E–1.0	147–4	5.6b,5.5b		
NEIC	III	07 16 27 20.1–.70	8.35S	123.59E	172–6	5.6b,5.5b		
IDC	III	07 16 27 20.5–.80	8.36S	123.53E	172–6	5.2,5.2		
GCMT	III	07 16 27 22.4–.20	8.59S	123.68E	169–1	5.3W,5.2		

ISC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=5.3km az=118.3.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.6km az=38.3.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.8km az=52.0.
IDC Error ellipse: s-maj=10.2km s-min=6.4km az=62.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 85, comp=138, per= 50. Moment Tensor Solution. s46,c65; s8,c8; Moment tensor: Scale 10^{16}Nm; M_{rr}1.33±.23 $M_{\theta\theta}$1.40±.34; $M_{\phi\phi}$-2.74±.38; $M_{r\theta}$8.02±.17; $M_{\theta\phi}$-0.19±.23; $M_{\phi r}$4.62±.20; Best double couple: NP1:ϕ_s157.00000°,δ12.00000°,λ10.00000°. NP2:ϕ_s57.00000°,δ88.00000°,λ102.00000°. Principal axes: T 10.2000,Plg46.0000°,Azm339.0000°; N -1.4000,Plg12.0000° ,Azm236.0000°; P -8.8000,Plg42.0000°,Azm135.0000° $M_0$9.50000×10^{16}

(200) Near north coast of New Guinea

ISC	**III**	**10 01 21 55.6–.32**	**4.82S–.03**	**144.73E–.04**	**80–2**	**5.0b**	**407**	**5-156**
BJI	III	10 01 21 48.4	5.18S	145.31E	77	5.1b,5.0b		**¶15153134**
ISCJB	III	10 01 21 52.9–.91	4.77S–.03	144.69E–.04	68–8	4.9b,5.0b		
MOS	III	10 01 21 52.9–.81	4.73S	144.57E	67	5.3b,5.0b		
NEIC	III	10 01 21 55.1–.14	4.77S	144.63E	76	5.2b,5.0b		
IDC	III	10 01 21 55.4–.75	4.79S	144.62E	78–6	4.7,4.6		
AUST	III	10 01 21 57.6–.42	4.95S	144.59E	91–0	4.7,4.6		
DJA	III	10 01 21 58.0–1.4	5S–9.0	145E–12	100–8	6.2,5.6		
GCMT	III	10 01 21 58.5–.20	4.92S	144.63E	81–2	5.0W,5.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=5.1km az=148.4.
MOS Error ellipse: s-maj=10.8km s-min=6.2km az=106.3.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=74.0.
IDC Error ellipse: s-maj=15.4km s-min=9.6km az=85.0.
AUST Error ellipse: s-maj=1.4km s-min=0.7km az=228.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c67; s89,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}2.93±.14 $M_{\theta\theta}$-3.19±.12; $M_{\phi\phi}$0.27±.14; $M_{r\theta}$2.87±.08; $M_{\theta\phi}$0.46±.15; $M_{\phi r}$-0.96±.09; Best double couple: NP1:ϕ_s268.00000°,δ24.00000°,λ74.00000°. NP2:ϕ_s106.00000°,δ67.00000°,λ97.00000°. Principal axes: T 4.2000,Plg67.0000° ,Azm28.0000°; N 0.2600,Plg6.0000°,Azm283.0000°; P -4.4600,Plg22.0000°,Azm190.0000° $M_0$4.30000×10^{16}

(221) Kuril Islands

ISC	**III**	**10 07 45 37.1–.29**	**44.59N–.03**	**146.40E–.03**	**163–2**	**4.7b**	**890**	**1-154**
DJA	III	10 07 45 30.5–4.9	45N–16	147E–21	114–47	5.5b,5.2b		**¶11789691**
MOS	III	10 07 45 35.9–1.3	44.61N	146.40E	176	4.7b,5.2b		
SKHL	III	10 07 45 36.8–.10	44.59N	146.45E	155–11	5.9b,5.5s		
ISCJB	III	10 07 45 36.7–.20	44.62N–.03	146.36E–.02	169–2	4.6b,5.5s		
BJI	III	10 07 45 36.1	44.74N	146.34E	165	5.1b,4.9b		
IDC	III	10 07 45 37.5–.45	44.72N	146.35E	164–3	4.4,4.4		
NEIC	III	10 07 45 37.3–.49	44.70N	146.31E	160–4	4.8b,4.4		
JMA	III	10 07 45 38.0–.30	44.43N	146.49E	164–2	4.5,4.4		
NIED	III	10 07 46 00	44.40N	146.50E	140	4.6W,4.4		

ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=9.0km az=99.7.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.5km az=163.5.
IDC Error ellipse: s-maj=9.0km s-min=5.7km az=147.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=2.8km az=152.0. Recorded [1 JMA] in eastern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s317.00000°,δ63.00000°,λ130.00000°. NP2:ϕ_s76.00000°,δ47.00000°,λ39.00000°. $M_0$7.95000×10^{15}

(280) Banda Sea

ISC	**III**	**13 02 03 16.8–.30**	**7.08S–.04**	**129.37E–.04**	**157–2**	**5.3b**	**1027**	**3-161**
BJI	III	13 02 03 12.6	7.35S	129.63E	163	5.2b,5.2b		**¶11876232**
IDC	III	13 02 03 15.8–.92	7.08S	129.33E	144–7	5.0,5.0b		
GCMT	III	13 02 03 15.9–.20	7.25S	129.43E	140–4	5.2W,5.0b		
MOS	III	13 02 03 15.2–1.0	6.91S	129.38E	147	5.4b,5.0b		
DJA	III	13 02 03 16.6–.20	7S–3.0	130E–2.0	126–5	5.9,5.8b		
NEIC	III	13 02 03 16.2–.65	7.08S	129.34E	151–5	5.3b,5.8b		
ISCJB	III	13 02 03 16.1–.39	7.10S–.03	129.47E–.03	167–3	5.3b,5.8b		

ISC Event type fe.
GCMT Event type se. Data Used: II G IU IC. Moment Tensor Solution. s19,c19; s85,c137; Moment tensor: Scale 10^{16}Nm; M_{rr}3.32±.38 $M_{\theta\theta}$-4.27±.50; $M_{\phi\phi}$0.95±.45; $M_{r\theta}$7.60±.27; $M_{\theta\phi}$-2.95±.44; $M_{\phi r}$1.05±.26; Best double couple: NP1:ϕ_s217.00000°,δ19.00000°,λ46.00000°. NP2:ϕ_s83.00000°,δ76.00000°,λ104.00000°. Principal axes: T 8.0900,Plg57.0000° ,Azm10.0000°; N 1.7600,Plg13.0000°,Azm259.0000°; P -9.8400,Plg30.0000°,Azm162.0000° $M_0$9.00000×10^{16}
NEIC Event type fe. Felt [II] at Darwin, Australia.
ISCJB Event type fe.

(181) Fiji Islands region

ISC	**III**	**14 03 04 12.6–.33**	**20.05S–.06**	**175.30W–.05**	**162–2**	**4.8b**	**827**	**5-173**
MOS	III	14 03 04 02.5–1.1	19.92S	175.36W	79	5.4b		**¶15153191**
AUST	III	14 03 04 03.5	20.18S	174.56W	100	5.4b		
ISCJB	III	14 03 04 06.5–1.5	19.97S–.05	175.40W–.03	113–13	4.9b		
IDC	III	14 03 04 06.8–.46	20.00S	175.30W	108–3	4.7,4.6		
BJI	III	14 03 04 11.2	20.22S	174.95W	172	5.2b,5.0b		
NEIC	III	14 03 04 12.3–.13	20.03S	175.38W	158	4.8b,5.0b		
SZGRF	III	14 03 04 14.3	19.75S	175.57W	161	4.8b,5.0b		
GCMT	III	14 03 04 15.2–.20	20.03S	174.78W	174–2	5.2W,5.0b		
DJA	III	14 03 04 37.0–1.1	20S–36	177W–16	319–23	6.9,6.9b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at ʻOhonua.
SZGRF Tonga Islands.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c70; s90,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.19±.21 $M_{\theta\theta}$5.20±.22; $M_{\phi\phi}$-5.01±.21; $M_{r\theta}$2.84±.19; $M_{\theta\phi}$-1.05±.22; $M_{\phi r}$4.97±.16; Best double couple: NP1:ϕ_s135.00000°,δ45.00000°,λ-5.00000°. NP2:ϕ_s228.00000°,δ86.00000°,λ-135.00000°. Principal axes: T 6.5400,Plg27.0000° ,Azm352.0000°; N 2.0100,Plg45.0000°,Azm232.0000°; P -8.5500,Plg33.0000° ,Azm102.0000° $M_0$7.50000×10^{16}

(160) Off east coast of North Island

ISC	**III**	**14 17 38 59.3–.37**	**36.90S–.04**	**177.56E–.04**	**189–2**	**4.8b**	**531**	**1-177**
DJA	III	14 17 38 40.4–1.2	36S–17	178E–22	10	5.7b,5.3		**¶15153194**
MOS	III	14 17 38 50.4–1.6	36.55S	177.72E	117	5.2b,5.3		
AUST	III	14 17 38 53.2–.76	36.85S	177.76E	126–0	5.2b,5.3		
GCMT	III	14 17 38 58.7–.40	36.80S	177.85E	185–3	5.0W,5.3		
BJI	III	14 17 38 58.6	37.51S	176.35E	176	5.4b,5.0b		
ISCJB	III	14 17 38 59.9–.27	37.06S–.03	177.40E–.04	200–2	4.8b,5.0b		
NEIC	III	14 17 38 59.5–.36	37.02S	177.56E	201–3	5.0b,5.0b		
WEL	III	14 17 39 00.6–.19	36.84S	177.56E	174–1	5.4L,5.0b		
IDC	III	14 17 39 02.8–1.3	36.57S	177.67E	219–10	4.6,4.5b		

ISC Event type fe.
MOS Error ellipse: s-maj=13.8km s-min=11.1km az=115.7.
AUST Error ellipse: s-maj=1.6km s-min=1.1km az=275.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s19,c22; s61,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}1.56±.21 $M_{\theta\theta}$-1.33±.27; $M_{\phi\phi}$-0.23±.25; $M_{r\theta}$2.16±.19; $M_{\theta\phi}$-0.33±.22; $M_{\phi r}$3.79±.16; Best double couple: NP1:ϕ_s260.00000°,δ11.00000°,λ137.00000°. NP2:ϕ_s33.00000°,δ82.00000°,λ82.00000°. Principal axes: T 4.9300,Plg52.0000° ,Azm293.0000°; N -0.7300,Plg8.0000°,Azm34.0000°; P -4.2000,Plg37.0000°,Azm130.0000° $M_0$4.60000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=5.0km az=145.4.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=5.8km az=70.0. Felt at Opotiki.
WEL Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=0.0. Felt from Bay of Plenty to Hawkeʻs Bay, maximum reported intensity MM 4.
IDC Error ellipse: s-maj=13.2km s-min=8.9km az=41.0.

(280) Banda Sea

ISC	**III**	**16 19 31 00.8–.42**	**6.72S–.05**	**130.01E–.06**	**146**	**3.9b**	**69**	**2-155**
AUST	III	16 19 30 56.0–.25	6.61S	130.23E	89–0	3.9b		**¶15153219**
IDC	III	16 19 30 57.6–3.3	6.59S	129.89E	110–30	4.0,3.9		

ISCJB	III	16 19 30 59.7–.26	6.64S–.03	130.04E–.04	146	3.8b,3.9		
DJA	III	16 19 31 00.8–.20	7S–3.0	130E–2.0	110–6	5.6b,5.2		
ISC	Event type ke.							
ISCJB	Event type ke.							
	(265) Minahassa Peninsula, Sulawesi							
ISC	**III**	**18 17 08 47.3–.47**	**0.01N–.03**	**123.53E–.04**	**141–4**	**4.8b**	**422**	**1-169**
MOS	III	18 17 08 33.5–.87	0.18N	123.26E	33	5.3b		¶15153252
GCMT	III	18 17 08 47.4–.20	0.10N	123.62E	136–2	4.9W		
ISCJB	III	18 17 08 47.1–.30	0.05N–.02	123.57E–.03	158–3	4.7b		
IDC	III	18 17 08 47.5–.74	0.05N	123.42E	144–6	4.5,4.5		
AUST	III	18 17 08 47.5–.22	0.01N	123.50E	143–0	4.5,4.5		
DJA	III	18 17 08 48.7–.20	0N–2.0	124E–2.0	99–7	5.5b,5.5		
NEIC	III	18 17 08 49.4–.80	0.05N	123.43E	163–7	4.8b,5.5		
ISC	Event type se.							
MOS	Error ellipse: s-maj=12.2km s-min=5.8km az=110.0.							
GCMT	Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s33,c45; s76,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}2.75±.10 $M_{\theta\theta}$-2.14±.14; $M_{\phi\phi}$-0.62±.18; $M_{r\theta}$0.95±.09; $M_{\theta\phi}$-1.75±.10; $M_{\phi r}$0.06±.13; Best double couple: NP1:ϕ_s225.00000°,δ38.00000°,λ73.00000°. NP2:ϕ_s67.00000°,δ54.00000°,λ103.00000°. Principal axes: T 2.9500,Plg77.0000° ,Azm22.0000°; N 0.4400,Plg11.0000°,Azm239.0000°; P -3.4000,Plg8.0000°,Azm148.0000° M_o3.20000×10^{16}							
ISCJB	Event type se. Error ellipse: s-maj=4.3km s-min=3.3km az=157.1.							
IDC	Error ellipse: s-maj=10.7km s-min=5.8km az=77.0.							
AUST	Error ellipse: s-maj=0.7km s-min=0.6km az=226.0.							
NEIC	Event type se. Error ellipse: s-maj=7.1km s-min=4.5km az=71.0.							
	(224) Hokkaido region							
ISC	**III**	**20 06 52 15.9–.32**	**42.63N–.03**	**144.53E–.03**	**62–2**	**5.2b**	**1352**	**0-156**
NIED	III	20 06 52 00	42.60N	144.60E	65	5.0W		¶13436799
DJA	III	20 06 52 07.4–1.6	43N–15	145E–25	10	5.7b,5.3		
TEH	III	20 06 52 13.0	42.71N	144.38E	27	5.2L,5.3		
ISCJB	III	20 06 52 14.3–.25	42.58N–.02	144.42E–.02	57–2	5.2b,4.4s		
BJI	III	20 06 52 14.1	42.75N	144.63E	67	5.1b,5.1b		
JMA	III	20 06 52 14.6–.10	42.60N	144.54E	64–1	5.0,5.1b		
MOS	III	20 06 52 14.5–.90	42.59N	144.41E	59	5.5b,4.6s		
IDC	III	20 06 52 15.5–.49	42.62N	144.55E	56–4	5.0,5.0		
NEIC	III	20 06 52 16.8–.38	42.64N	144.38E	65–3	5.1b,5.0W		
SKHL	III	20 06 52 16.4–1.0	42.66N	144.56E	88–10	6.5s,6.2b		
SZGRF	III	20 06 52 20.9	43.80N	145.10E	43	5.2b,6.2b		
BGS	III	20 06 52 28.7–1.5	43.95N	140.81E	67	5.0b,6.2b		
ISC	Event type fe.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ85.00000°,λ108.00000°. NP2:ϕ_s154.00000°,δ19.00000°,λ15.00000°. M_o3.48000×10^{16}							
ISCJB	Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=157.6.							
JMA	Event type fe.							
MOS	Error ellipse: s-maj=6.1km s-min=3.9km az=104.7.							
IDC	Error ellipse: s-maj=8.6km s-min=6.7km az=31.0.							
NEIC	Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=164.0. Recorded [3 JMA] in eastern and [2 JMA] in southeastern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu. Moment Tensor Solution. M_o3.50000×10^{16}							
SZGRF	Hokkaido, Japan, region.							
BGS	Error ellipse: s-maj=267.9km s-min=744.1km az=-1.0.							
	(248) Philippine Islands region							
ISC	**III**	**20 19 16 60.0–.33**	**5.74N–.03**	**127.33E–.04**	**65–2**	**5.0b**	**508**	**2-147**
MOS	III	20 19 16 54.1–.95	5.74N	127.34E	33	5.4b,4.6s		¶13436858
DJA	III	20 19 16 56.4–.30	6N–3.0	127E–3.0	10	5.5,5.5b		
BJI	III	20 19 16 57.4	5.76N	127.38E	65	5.2b,5.0b		
IDC	III	20 19 16 57.8–1.3	5.68N	127.27E	48–11	4.6L,4.6		
ISCJB	III	20 19 16 57.0–.45	5.77N–.02	127.44E–.03	59–3	5.0b,4.6s		
NEIC	III	20 19 16 58.2–1.1	5.73N	127.33E	57–9	5.0b,4.6s		
GCMT	III	20 19 16 58.9–.20	5.66N	127.59E	27–0	5.3W,4.6s		
TEH	III	20 19 17 51.0	5.72N	127.25E	72	5.0L,4.6s		
ISC	Event type se.							
MOS	Error ellipse: s-maj=11.4km s-min=5.3km az=111.7.							
IDC	Error ellipse: s-maj=14.6km s-min=8.2km az=87.0.							
ISCJB	Event type se. Error ellipse: s-maj=5.3km s-min=3.2km az=174.0.							
NEIC	Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=77.0.							
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s73,c110; s76,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}6.24±.23 $M_{\theta\theta}$1.91±.16; $M_{\phi\phi}$-8.15±.19; $M_{r\theta}$1.04±.34; $M_{\theta\phi}$0.42±.13; $M_{\phi r}$6.07±.40; Best double couple: NP1:ϕ_s164.00000°,δ26.00000°,λ69.00000°. NP2:ϕ_s7.00000°,δ66.00000°,λ100.00000°. Principal axes: T 8.7000,Plg68.0000° ,Azm296.0000°; N 1.7000,Plg9.0000°,Azm183.0000°; P -10.4000,Plg20.0000°,Azm90.0000° M_o9.50000×10^{16}							
	(280) Banda Sea							
ISC	**III**	**21 05 53 16.9–.48**	**8.14S–.06**	**124.12E–.08**	**96**	**4.2b**	**52**	**2-130**
DJA	III	21 05 53 19.8–.50	8S–7.0	124E–5.0	10	5.7b,5.2		¶12635156
NEIC	III	21 05 53 24.1–1.0	8.19S	123.88E	175–10	4.4b,5.2		
IDC	III	21 05 53 25.6–2.4	8.23S	123.80E	190–24	3.9s,3.9		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=16.9km s-min=7.2km az=56.0.							
IDC	Error ellipse: s-maj=24.8km s-min=9.0km az=62.0.							
	(160) Off east coast of North Island							
ISC	**III**	**21 20 28 17.5–.31**	**37.85S–.03**	**176.84E–.04**	**168–2**	**4.9b**	**650**	**0-178**
DJA	III	21 20 27 57.4–.80	37S–11	178E–13	10	6.4,5.5b		¶15153335
AUST	III	21 20 28 11.9–.41	37.72S	176.93E	99–0	6.4,5.5b		
BJI	III	21 20 28 13.9	38.08S	177.23E	164	5.4b,5.1b		
ISCJB	III	21 20 28 16.9–.22	37.88S–.02	176.72E–.04	170–1	4.9b,5.1b		
NEIC	III	21 20 28 16.8–.24	37.86S	176.79E	165	4.8b,5.1b		
WEL	III	21 20 28 18.3–.18	37.78S	176.76E	158–1	6.1L,5.1b		
MOS	III	21 20 28 18.5–1.1	37.60S	176.72E	179	5.0b,5.1b		
IDC	III	21 20 28 18.7–.67	37.51S	176.89E	176–5	4.6,4.5		
GCMT	III	21 20 28 20.1–.20	37.77S	176.93E	163–1	5.1W,4.5		
ISC	Event type fe.							
AUST	Error ellipse: s-maj=1.2km s-min=0.8km az=249.0.							
ISCJB	Event type fe. Error ellipse: s-maj=5.5km s-min=3.9km az=171.9.							
NEIC	Event type fe. Error ellipse: s-maj=6.5km s-min=4.2km az=99.0. Felt widely on the North Island.							
WEL	Event type fe. Error ellipse: s-maj=1.5km s-min=1.2km az=90.0. Felt between Coromandel, Canterbury and Gisborne, maximum reported intensity. MM 6.							
MOS	Error ellipse: s-maj=13.8km s-min=10.7km az=124.2.							
IDC	Error ellipse: s-maj=13.0km s-min=9.4km az=52.0.							
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c80; s84,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}2.64±.15 $M_{\theta\theta}$1.24±.18; $M_{\phi\phi}$-3.88±.16; $M_{r\theta}$4.08±.13; $M_{\theta\phi}$-0.53±.15; $M_{\phi r}$3.36±.12; Best double couple: NP1:ϕ_s157.00000°,δ27.00000°,λ29.00000°. NP2:ϕ_s41.00000°,δ77.00000°,λ114.00000°. Principal axes: T 6.5900,Plg52.0000° ,Azm339.0000°; N -0.5700,Plg24.0000°,Azm215.0000°; P -6.0200,Plg28.0000° ,Azm112.0000° M_o6.30000×10^{16}							
	(717) Afghanistan-Tajikistan border region							
ISC	**III**	**24 09 03 37.9–.44**	**36.61N–.03**	**71.51E–.03**	**156–4**	**4.4b**	**312**	**3-84**
MOS	III	24 09 03 34.6–.94	36.52N	71.46E	137	4.5b		¶12061129
ISCJB	III	24 09 03 36.8–.29	36.60N–.02	71.51E–.03	159–4	4.3b		
NEIC	III	24 09 03 37.4–.68	36.56N	71.48E	152–6	4.7b		
BJI	III	24 09 03 39.2	36.86N	71.51E	158	4.7b,4.6b		
IDC	III	24 09 03 39.6–.95	36.64N	71.44E	173–8	4.0,3.9		
NNC	III	24 09 03 41.6–5.2	37.51N	71.46E	0	4.6b,4.3		
ISC	Event type se.							
MOS	Error ellipse: s-maj=7.0km s-min=4.6km az=105.4.							
ISCJB	Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=163.5.							
NEIC	Event type se. Error ellipse: s-maj=7.0km s-min=5.4km az=161.0.							
IDC	Error ellipse: s-maj=11.0km s-min=8.9km az=5.0.							
NNC	Error ellipse: s-maj=42.8km s-min=39.5km az=15.0.							
	(259) Mindanao							
ISC	**III**	**25 03 13 06.1–.35**	**9.64N–.03**	**126.15E–.05**	**79–2**	**4.6b**	**235**	**1-146**
MOS	III	25 03 12 59.2–1.1	9.64N	126.05E	33	4.8b		¶15153415
MAN	III	25 03 13 02	9.63N	126.36E	35	5.4b,4.6s		
IDC	III	25 03 13 04.7–2.4	9.66N	126.16E	66–22	4.3,4.3		
ISCJB	III	25 03 13 04.1–.50	9.63N–.03	126.22E–.04	78–4	4.5b,4.3		
NEIC	III	25 03 13 06.5–.99	9.59N	126.07E	84–9	4.6b,4.3		
DJA	III	25 03 13 11.8–1.1	10N–7.0	127E–9.0	114–9	5.2b,4.8		
AUST	III	25 03 14 36.1	3.50N	126.00E	600	5.2b,4.8		
ISC	Event type fe.							
MOS	Error ellipse: s-maj=14.7km s-min=6.5km az=110.7.							
MAN	Event type fe. INTENSITY III - SOCORRO SURIGAO DEL NORTE; INTENSITY II - SURIGAO CITY; DAPA SIARGO ISLAND; LIBJO DINAGAT PROVINCE.							
IDC	Error ellipse: s-maj=16.4km s-min=8.8km az=78.0.							
ISCJB	Event type fe. Error ellipse: s-maj=7.3km s-min=4.0km az=158.7.							
NEIC	Event type fe. Error ellipse: s-maj=10.0km s-min=5.4km az=75.0. Felt [III PIVS] at Socorro and [II PIVS] at Dapa, Libjo and Surigao.							
	(706) Northern Sumatera							
ISC	**III**	**25 08 29 30.4–.77**	**1.49N–.08**	**99.14E–.08**	**138**	**4.3b**	**54**	**0-83**
ISCJB	III	25 08 29 27.9–.61	1.45N–.07	98.95E–.06	138	4.1b		¶12635535
IDC	III	25 08 29 32.6–1.1	1.70N	99.25E	159–5	3.9,3.8b		
NEIC	III	25 08 29 33.1–.84	1.77N	99.34E	163–6	4.6b,3.8b		
DJA	III	25 08 29 33.0–.60	2N–5.0	99E–4.0	171–10	5.5b,5.0		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
	(706) Northern Sumatera							
ISC	**III**	**25 18 27 36.2–.29**	**0.73N–.04**	**98.63E–.05**	**100**	**4.8b**	**340**	**1-144**
BJI	III	25 18 27 26.5	0.67N	98.65E	29	5.0b,4.9b		¶15153418
IDC	III	25 18 27 30.9–1.9	0.71N	98.53E	50–17	5.0L,4.5		
DJA	III	25 18 27 32.0–.30	0N–3.0	98E–4.0	64–4	5.5b,5.4		
AUST	III	25 18 27 32.9–.02	0.67N	98.47E	65–0	5.5b,5.4		
MOS	III	25 18 27 33.5–.90	0.76N	98.59E	90	4.9b,5.4		
SZGRF	III	25 18 27 33.7	1.56N	97.93E	33	4.9b,5.4		
ISCJB	III	25 18 27 34.4–.17	0.72N–.03	98.57E–.03	100	4.8b,5.4		
NEIC	III	25 18 27 35.1–1.0	0.73N	98.55E	90–8	5.0b,5.4		
ISC	Event type se.							
IDC	Error ellipse: s-maj=15.3km s-min=9.5km az=59.0.							
AUST	Error ellipse: s-maj=0.9km s-min=0.5km az=235.0.							
MOS	Error ellipse: s-maj=11.5km s-min=5.1km az=111.2.							
SZGRF	Northern Sumatera, Indonesia.							
ISCJB	Event type se. Error ellipse: s-maj=5.1km s-min=2.6km az=43.2.							
NEIC	Event type se. Error ellipse: s-maj=9.4km s-min=4.7km az=53.0.							
	(248) Philippine Islands region							
ISC	**III**	**26 10 41 38.5–.83**	**20.84N–.04**	**121.85E–.05**	**107–8**	**4.4b**	**110**	**2-86**
BJI	III	26 10 41 18.0	20.21N	122.64E	5	4.5b,4.3b		¶12635631
DJA	III	26 10 41 31.6–.60	21N–6.0	124E–11	10	5.8b,5.3		
ISCJB	III	26 10 41 36.9–.34	20.83N–.02	121.89E–.04	107–4	4.5b,5.3		
NEIC	III	26 10 41 37.9–.67	20.84N	121.95E	102–7	4.4b,5.3		
JMA	III	26 10 41 38.8–.40	20.94N	121.92E	141	3.9,5.3		
IDC	III	26 10 41 40.9–2.1	20.82N	121.92E	130–20	4.1,4.0		
MAN	III	26 10 41 41	20.59N	121.74E	73	5.2b,4.3s		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=5.8km s-min=3.6km az=7.9.							
NEIC	Event type fe. Error ellipse: s-maj=11.8km s-min=6.7km az=75.0. Felt [III PIVS] at Basco.							
JMA	Error ellipse: s-maj=4.4km s-min=5.2km az=-1.0.							
IDC	Error ellipse: s-maj=17.5km s-min=9.4km az=76.0.							
MAN	Event type fe. INTENSITY III - BASCO BATANES.							
	(238) Ryukyu Islands							
ISC	**III**	**26 19 19 58.6–.14**	**27.40N–.02**	**126.82E–.02**	**152**	**5.6b**	**1971**	**1-167**
NIED	III	26 19 19 00	27.50N	126.80E	150	5.9W		¶13437384
SZGRF	III	26 19 19 41.0	26.93N	128.03E	33	6.2b,5.1s		
BJI	III	26 19 19 51.2	27.01N	127.28E	135	6.0b,5.8b		
MOS	III	26 19 19 53.5–.94	27.45N	126.71E	117	5.8b,4.9s		
DJA	III	26 19 19 57.8–1.0	27N–5.0	127E–4.0	144–9	6.1,6.0b		
TEH	III	26 19 19 57.0	27.43N	126.77E	138	6.0L,6.0b		
IDC	III	26 19 19 58.6–.38	27.43N	126.87E	151–3	5.3,5.3		
BGS	III	26 19 19 58.4–2.3	27.42N	126.70E	160	5.2b,5.3		
ISCJB	III	26 19 19 58.7–.07	27.36N–.01	126.59E–.02	161	5.5b,5.3		
JMA	III	26 19 19 58.2–.20	27.47N	126.81E	139	5.6,5.3		
NEIC	III	26 19 19 59.6–.10	27.42N	126.70E	160	5.9W,5.9W		
GCMT	III	26 19 20 00.6–.10	27.32N	126.93E	161–0	5.9W,5.9W		
ISC	Event type fe.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ73.00000°,λ-57.00000°. NP2:ϕ_s126.00000°,δ37.00000°,λ-151.00000°. M_o7.58000×10^{17}							
SZGRF	Ryukyu Islands, Japan.							
MOS	Error ellipse: s-maj=6.1km s-min=3.6km az=112.4.							
IDC	Error ellipse: s-maj=7.7km s-min=5.7km az=60.0.							
BGS	Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.							
ISCJB	Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=41.5.							
JMA	Event type fe. Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.							
NEIC	Event type fe. Error ellipse: s-maj=3.3km s-min=3.1km az=147.0. Recorded [2 JMA] on Amami-oshima, Iheya-shima, Kume-jima, Okinawa, Okino-erabu-shima, Tokuno-shima, Tonaki-jima, Uke-jima, Yoro-jima and Yoron-jima; [1 JMA] on Aguni-jima, Ie-jima, Izena-shima, Kakeroma-jima and Kikaiga-shima. Moment Tensor Solution. s32 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s131.00000°,δ49.00000°,λ-152.00000°. NP2:ϕ_s22.00000° ,δ69.00000°,λ-44.00000°. Principal axes: T 1.0600,Plg11.0000°,Azm80.0000° ; N -0.1100,Plg41.0000°,Azm181.0000°; P -0.9500,Plg45.0000°,Azm338.0000° M_o1.00000×10^{18} Moment Tensor Solution. M_o7.60000×10^{17}							
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves: sta=123, comp=276, per= 50. Moment Tensor Solution. s109,c231; s69,c78; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.79±.06 $M_{\theta\theta}$-1.19±.06; $M_{\phi\phi}$4.98±.07; $M_{r\theta}$-2.48±.04; $M_{\theta\phi}$-2.87±.06; $M_{\phi r}$-4.76±.05; Best double couple: NP1:ϕ_s127.00000°,δ37.00000°,λ-149.00000°. NP2:ϕ_s11.00000°,δ72.00000°,λ-57.00000°. Principal axes: T 7.4100,Plg20.0000°,Azm77.0000°; N 0.3100,Plg31.0000°,Azm180.0000° ; P -7.7200,Plg52.0000°,Azm320.0000° M_o7.60000×10^{17}							
	(123) Northern Chile							
ISC	**III**	**27 17 26 43.0–.19**	**19.17S–.03**	**69.43W–.04**	**116**	**5.3b**	**1132**	**0-179**
MOS	III	27 17 26 41.2–1.1	18.93S	69.18W	106	5.6b		¶12062614
SZGRF	III	27 17 26 41.1	18.66S	68.91W	33	5.5b,4.6s		
ISCJB	III	27 17 26 41.8–.13	19.05S–.02	69.31W–.03	115	5.3b,4.6s		
NEIC	III	27 17 26 42.9–.16	19.08S	69.21W	115	5.4b,4.6s		
GUC	III	27 17 26 42.9–.86	19.21S	69.56W	115–5	5.7L,4.6s		
IDC	III	27 17 26 43.8–.43	19.07S	69.34W	118–3	4.9,4.8		
LDG	III	27 17 26 43.2–.34	18.61S	69.26W	120	5.3b,4.2s		
BJI	III	27 17 26 45.3	19.00S	69.20W	114	5.3b,4.2s		
GCMT	III	27 17 26 46.2–.20	19.27S	69.70W	132–1	5.4W,4.2s		
ISC	Event type fe.							
MOS	Error ellipse: s-maj=9.5km s-min=6.2km az=106.5.							
SZGRF	Chile-Bolivia border region.							
ISCJB	Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=154.8.							
NEIC	Event type fe. Error ellipse: s-maj=5.0km s-min=4.1km az=71.0. Felt [IV] at Pica; [III] at Alto Hospicio, Camina, Colchane, Huara, Iquique and Pozo Almonte; [II] at Arica, Pisagua and Putre. Felt [II] at Tacna, Peru.							
GUC	Error ellipse: s-maj=3.2km s-min=7.9km az=-1.0.							
IDC	Error ellipse: s-maj=11.9km s-min=10.2km az=37.0.							
LDG	Event type ke. Error ellipse: s-maj=20.4km s-min=11.1km az=39.0.							
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s80,c130; s93,c156; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.63±.03 $M_{\theta\theta}$-0.16±.03; $M_{\phi\phi}$0.78±.04; $M_{r\theta}$0.03±.02; $M_{\theta\phi}$-0.02±.03; $M_{\phi r}$-1.43±.02; Best double couple: NP1:ϕ_s179.00000°,δ13.00000°,λ-90.00000°. NP2:ϕ_s359.00000°,δ77.00000°,λ-90.00000°. Principal axes: T 1.6700,Plg32.0000° ,Azm89.0000°; N -0.1600,Plg0.0000°,Azm359.0000°; P -1.5200,Plg58.0000°,Azm269.0000° M_o1.60000×10^{17}							
	(197) Near north coast of Irian Jaya							
ISC	**III**	**28 17 59 32.1–.15**	**2.96S–.02**	**139.59E–.02**	**99**	**5.8b**	**1322**	**1-170**
IDC	III	28 17 59 20.4–.30	2.91S	139.56E	0	5.7,5.7b		¶15153443
MOS	III	28 17 59 27.3–1.2	2.91S	139.51E	62	6.1b,5.1s		
BJI	III	28 17 59 27.6	3.18S	139.93E	95	6.2b,5.8b		
AUST	III	28 17 59 29.8–.12	2.94S	139.60E	64–0	6.2b,5.8b		
ISCJB	III	28 17 59 31.0–.12	2.93S–.02	139.62E–.02	96	5.8b,5.8b		
NEIC	III	28 17 59 31.8–.12	2.95S	139.54E	93	6.0W,6.0W		
DJA	III	28 17 59 33.0–.20	3S–2.0	140E–2.0	95–2	6.4,6.3b		
TEH	III	28 17 59 33.0	3.09S	139.69E	87	6.0L,6.3b		
GCMT	III	28 17 59 34.4–.10	2.89S	139.66E	91–0	5.9W,6.3b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=12.8km s-min=8.6km az=72.0.							
MOS	Error ellipse: s-maj=7.9km s-min=4.8km az=108.2.							
AUST	Error ellipse: s-maj=0.6km s-min=0.5km az=43.0.							
ISCJB	Event type fe. Error ellipse: s-maj=2.7km s-min=2.4km az=148.4.							
NEIC	Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=73.0. Felt [V] at Genyem, Jayapura and Sentani. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s110.00000°,δ50.00000°,λ90.00000°. NP2:							

ϕ_s290.00000°,δ40.00000°,λ90.00000°. Principal axes: T Plg85.0000°,Azm20.0000° ; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm200.0000° Moment Tensor Solution. s36 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s329.00000°,δ33.00000°,λ112.00000°. NP2:ϕ_s124.00000° ,δ59.00000°,λ76.00000°. Principal axes: T 1.1300,Plg71.0000°,Azm0.0000° ; N -0.1400,Plg11.0000°,Azm130.0000°; P -0.9900,Plg13.0000°,Azm223.0000° $M_0$1.10000×10^{18}

GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=101, comp=236, per= 50. Moment Tensor Solution. s97,c232; s72,c97; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s332.00000°,δ36.00000° ,λ122.00000°. NP2:ϕ_s115.00000°,δ60.00000°,λ69.00000°. Principal axes: T 1.0400,Plg68.0000°,Azm344.0000°; N -0.0200,Plg18.0000°,Azm125.0000° ; P -1.0200,Plg13.0000°,Azm220.0000° $M_0$1.00000×10^{18}

(70) Guatemala

ISC	**III**	**30 07 08 28.3–1.1**	**14.15N–.07**	**91.94W–.07**	**73–8**	**4.8b**	**604**	**0-146**
IDC	III	30 07 08 19.3–.61	14.27N	91.78W	0	4.6,4.6L		**¶12066230**
CASC	III	30 07 08 25.0–1.9	14.07N	92.19W	67–34	4.9b,4.5		
ISCJB	III	30 07 08 28.2–.45	14.20N–.04	91.86W–.03	86–3	4.7b,4.5		
BJI	III	30 07 08 28.7	14.30N	91.90W	77	5.5s,5.4		
NEIC	III	30 07 08 30.7–.65	14.21N	91.75W	95–5	4.9b,5.4		

ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=11.5km az=56.0.
CASC Error ellipse: s-maj=18.4km s-min=14.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=3.2km az=34.9.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.0km az=221.0.

(216) Mariana Islands

ISC	**III**	**31 15 29 31.7–.25**	**18.32N–.03**	**145.78E–.03**	**191–1**	**5.4b**	**1111**	**5-167**
NIED	III	31 15 29 00	19.00N	146.10E	135	5.4W		**¶13437725**
BJI	III	31 15 29 24.5	18.05N	146.57E	188	4.9b,4.9b		
ISCJB	III	31 15 29 29.6–.57	18.35N–.02	145.72E–.02	175–5	5.4b,4.9b		
MOS	III	31 15 29 30.1–1.1	18.35N	145.58E	187	5.3b,4.0s		
NEIC	III	31 15 29 31.9–.12	18.31N	145.72E	188	5.4b,5.4W		
IDC	III	31 15 29 32.1–.49	18.35N	145.81E	195–4	4.9,4.9		
DJA	III	31 15 29 33.1–1.0	18N–5.0	146E–4.0	189–9	6.3,6.1		
GCMT	III	31 15 29 33.6–.10	18.33N	145.97E	174–0	5.5W,6.1		
JMA	III	31 15 29 35.1–.40	18.95N	146.10E	198	5.6,6.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s137.00000°,δ69.00000°,λ-50.00000°. NP2:ϕ_s250.00000°,δ45.00000°,λ-149.00000°. $M_0$1.31000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=153.3.
MOS Error ellipse: s-maj=7.7km s-min=5.1km az=96.1.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=3.3km az=136.0. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.30 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-0.16 $M_{r\theta}$-0.51 $M_{\theta\phi}$-0.17 $M_{\phi r}$1.19 Best double couple: NP1:ϕ_s152.00000°,δ85.00000°,λ-74.00000°. NP2:ϕ_s259.00000° ,δ16.00000°,λ-162.00000°. Principal axes: T 1.2600,Plg38.0000°,Azm227.0000° ; N 0.2000,Plg15.0000°,Azm330.0000°; P -1.4600,Plg47.0000°,Azm78.0000° $M_0$1.40000×10^{17}
IDC Error ellipse: s-maj=8.8km s-min=6.0km az=84.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=226, per= 50. Moment Tensor Solution. s96,c176; s26,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.77±.02 $M_{\theta\theta}$1.64±.02; $M_{\phi\phi}$-0.87±.03; $M_{r\theta}$-0.62±.02; $M_{\theta\phi}$-0.60±.03; $M_{\phi r}$1.26±.02; Best double couple: NP1:ϕ_s246.00000°,δ43.00000°,λ-158.00000°. NP2:ϕ_s140.00000°,δ75.00000°,λ-49.00000°. Principal axes: T 2.0900,Plg19.0000°,Azm200.0000°; N -0.0100,Plg40.0000°,Azm307.0000° ; P -2.0800,Plg44.0000°,Azm90.0000° $M_0$2.10000×10^{17}
JMA Error ellipse: s-maj=3.3km s-min=7.4km az=-1.0.

(248) Philippine Islands region

ISC	**IV**	**02 08 59 56.6–.39**	**5.90N–.04**	**126.85E–.06**	**82–2**	**4.7b**	**281**	**1-169**
MOS	IV	02 08 59 49.3–.92	6.01N	126.79E	33	5.1b		**¶15153515**
MAN	IV	02 08 59 49	5.88N	127.15E	55	5.4b,4.7s		
AUST	IV	02 08 59 50.0–1.8	6.26N	127.40E	39–0	5.4b,4.7s		
BJI	IV	02 08 59 49.0	5.14N	126.98E	78	4.9b,4.8b		
ISCJB	IV	02 08 59 53.6–.49	5.89N–.03	126.82E–.05	71–4	4.6b,4.8b		
DJA	IV	02 08 59 53.0–.70	6N–5.0	127E–8.0	10	5.6b,5.2		
IDC	IV	02 08 59 53.2–1.7	6.00N	126.96E	53–14	4.3,4.3		
NEIC	IV	02 08 59 55.0–.93	5.97N	126.89E	70–8	4.9b,4.3		

ISC Event type se.
MOS Error ellipse: s-maj=16.7km s-min=6.6km az=118.1.
AUST Error ellipse: s-maj=2.1km s-min=0.9km az=241.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=3.7km az=159.5.
IDC Error ellipse: s-maj=15.5km s-min=9.0km az=74.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.8km az=74.0.

(177) Kermadec Islands region

ISC	**IV**	**03 14 37 54.2–.24**	**31.53S–.04**	**178.43W–.05**	**61**	**5.2b**	**662**	**2-172**
MOS	IV	03 14 37 50.8–.98	31.34S	178.59W	33	5.6b		**¶15153535**
AUST	IV	03 14 37 51.2	31.46S	177.68W	60	5.6b		
ISCJB	IV	03 14 37 53.2–.12	31.65S–.03	178.57W–.04	61	5.2b		
NEIC	IV	03 14 37 53.8–.93	31.40S	178.56W	55–7	5.3b		
GCMT	IV	03 14 37 55.9–.40	31.43S	178.16W	64–1	5.0W		
IDC	IV	03 14 37 58.1–2.4	31.19S	178.51W	88–20	4.8,4.8		
DJA	IV	03 14 38 13.4–2.6	31S–8.0	178W–13	313–26	5.7b,5.2		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s35,c48; s58,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}4.21±.21 $M_{\theta\theta}$-0.07±.20; $M_{\phi\phi}$-4.14±.17; $M_{r\theta}$-0.47±.14; $M_{\theta\phi}$-1.93±.14; $M_{\phi r}$0.58±.13; Best double couple: NP1:ϕ_s212.00000°,δ44.00000°,λ105.00000°. NP2:ϕ_s12.00000°,δ48.00000°,λ76.00000°. Principal axes: T 4.3400,Plg80.0000° ,Azm214.0000°; N 0.5800,Plg10.0000°,Azm21.0000°; P -4.9300,Plg2.0000°,Azm111.0000° $M_0$4.60000×10^{16}

(130) Catamarca Province

ISC	**IV**	**03 17 54 48.0–.41**	**27.90S–.04**	**66.59W–.04**	**156–3**	**5.4b**	**1281**	**4-177**
ISCJB	IV	03 17 54 44.2–.65	27.77S–.03	66.61W–.03	125–5	5.4b		**¶12086165**
BJI	IV	03 17 54 45.5	27.25S	67.46W	139	5.3b		
MOS	IV	03 17 54 46.8–1.2	27.80S	66.49W	156	5.5b		
IDC	IV	03 17 54 48.4–.99	27.86S	66.52W	153–8	5.1,5.1		
NEIC	IV	03 17 54 50.4–.14	27.84S	66.59W	174	5.7W,5.7W		
GCMT	IV	03 17 54 53.9–.10	28.09S	66.71W	180–0	5.7W,5.7W		
DJA	IV	03 17 55 19.8–8.9	29S–41	66W–28	416–82	5.9b,5.5b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] in the Cordoba-Tinogasta area. Moment Tensor Solution. s39 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.59 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$1.95 $M_{r\theta}$2.59 $M_{\theta\phi}$-1.91 $M_{\phi r}$-1.01 Best double couple: NP1:ϕ_s186.00000°,δ35.00000°,λ-27.00000°. NP2:ϕ_s298.00000° ,δ75.00000°,λ-122.00000°. Principal axes: T 3.9600,Plg23.0000°,Azm52.0000° ; N -0.2900,Plg31.0000°,Azm307.0000°; P -3.6700,Plg49.0000°,Azm172.0000° $M_0$3.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=226, per= 50. Moment Tensor Solution. s100,c193; s56,c61; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.23±.04 $M_{\theta\theta}$-0.25±.05; $M_{\phi\phi}$2.48±.06; $M_{r\theta}$2.56±.03; $M_{\theta\phi}$-2.53±.04; $M_{\phi r}$-0.41±.04; Best double couple: NP1:ϕ_s183.00000°,δ43.00000°,λ-31.00000°. NP2:ϕ_s297.00000°,δ69.00000°,λ-129.00000°. Principal axes: T 4.4500,Plg15.0000°,Azm54.0000°; N -0.2600,Plg36.0000°,Azm313.0000° ; P -4.1900,Plg50.0000°,Azm163.0000° $M_0$4.30000×10^{17}

(263) Talaud Islands

ISC	**IV**	**04 05 31 57.8–.23**	**5.16N–.02**	**127.19E–.03**	**69–1**	**6.2b**	**2267**	**2-169**
BJI	IV	04 05 31 51.4	4.76N	127.60E	55	6.1b,6.0s		**¶15153551**
MOS	IV	04 05 31 52.8–.78	5.31N	127.20E	33	6.3b,5.7s		
MAN	IV	04 05 31 53	4.79N	127.33E	107	6.4b,6.3s		
NEIC	IV	04 05 31 55.5–.10	5.15N	127.20E	48	6.5,6.3W		
AUST	IV	04 05 31 57.0–.20	5.05N	127.26E	61–0	6.5,6.3W		
ISCJB	IV	04 05 31 57.8–.32	5.07N–.01	127.19E–.02	84–2	6.0b,6.3W		
IDC	IV	04 05 31 57.1–.73	5.16N	127.19E	58–5	5.8,5.8		
TEH	IV	04 05 31 58.0	5.11N	127.21E	68	6.3L,5.8		
GCMT	IV	04 05 31 59.0–.10	5.21N	127.20E	57–0	6.2W,5.8		
DJA	IV	04 05 32 01.3–.30	5N–2.0	127E–2.0	88–3	6.9,6.6b		
SZGRF	IV	04 05 32 32.3	11.62N	122.99E	71	5.9b,5.9s		

ISC Event type fe.
MOS Error ellipse: s-maj=10.3km s-min=4.9km az=122.9.
MAN Event type fe. INTENSITY III - MATI DAVAO ORIENTAL; GENERAL SANTOS CITY; DAVAO CITY KIDAPAWAN CITY NORTH COTABATO.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.3km az=74.0. Felt [III PIVS] at Davao, General Santos, Kidapawan and Mati; [II PIVS] at Malita; [I PIVS] at Makilala, Mindanao. Also felt at Tagum. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s59 Moment tensor: Scale 10^{18} Nm; M_{rr}1.55 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-1.96 $M_{r\theta}$-0.94 $M_{\theta\phi}$2.07 $M_{\phi r}$-0.21 Best double couple: NP1: ϕ_s295.00000°,δ63.00000°,λ37.00000°. NP2:ϕ_s186.00000°,δ57.00000°,λ148.00000°. Principal axes: T 2.5100,Plg44.0000°,Azm152.0000°; N 0.6700,Plg45.0000°,Azm325.0000° ; P -3.1800,Plg3.0000°,Azm59.0000° $M_0$2.90000×10^{18}
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=227.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=164.3.
IDC Error ellipse: s-maj=9.7km s-min=6.2km az=88.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=126, comp=287, per= 50. Moment Tensor Solution. s117,c280; s98,c163; Moment tensor: Scale 10^{18}Nm; M_{rr}1.94±.02 $M_{\theta\theta}$-0.23±.02; $M_{\phi\phi}$-1.71±.02; $M_{r\theta}$-1.07±.02; $M_{\theta\phi}$2.04±.01; $M_{\phi r}$-0.25±.02; Best double couple: NP1:ϕ_s175.00000°,δ50.00000°,λ137.00000°. NP2:ϕ_s296.00000°,δ59.00000°,λ49.00000°. Principal axes: T 2.6700,Plg55.0000°,Azm151.0000°; N 0.5000,Plg34.0000°,Azm321.0000° ; P -3.1800,Plg5.0000°,Azm54.0000° $M_0$2.90000×10^{18}
SZGRF Panay, Philippine Islands.

(263) Talaud Islands

ISC	**IV**	**04 10 44 18.8–.41**	**4.71N–.05**	**127.84E–.09**	**104**	**4.2b**	**88**	**3-144**
NEIC	IV	04 10 44 11.3–.36	4.74N	127.74E	35	4.4b		**¶15153558**
ISCJB	IV	04 10 44 16.9–.30	4.72N–.04	127.90E–.06	104	4.2b		
AUST	IV	04 10 44 19.6	4.50N	127.51E	100	4.2b		
IDC	IV	04 10 44 23.1–2.9	4.65N	127.73E	147–26	3.9,3.8		
DJA	IV	04 10 44 31.6–1.9	4N–21	128E–8.0	130–9	6.9b,6.8		

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

(153) South Sandwich Islands region

ISC	**IV**	**04 18 39 19.1–.35**	**56.00S–.05**	**27.95W–.05**	**107–2**	**5.1b**	**470**	**17-176**
DJA	IV	04 18 39 06.9–1.4	56S–13	28W–23	10	6.1b,5.7		**¶12088272**
ISCJB	IV	04 18 39 16.5–2.0	55.99S–.05	27.75W–.09	89–18	5.1b,5.7		
MOS	IV	04 18 39 17.5–1.0	56.01S	27.68W	97	5.7b,5.7		
NEIC	IV	04 18 39 17.2–.16	55.98S	27.73W	87	5.5b,5.4W		
IDC	IV	04 18 39 21.4–.77	55.99S	27.79W	120–5	4.8,4.8		
GCMT	IV	04 18 39 22.4–.10	56.08S	27.54W	89–1	5.5W,4.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=6.7km az=42.2.
MOS Error ellipse: s-maj=19.7km s-min=10.5km az=102.2.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.6km az=217.0. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}0.57 $M_{\theta\theta}$-1.09 $M_{\phi\phi}$0.53 $M_{r\theta}$-0.92 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.63 Best double couple: NP1:ϕ_s143.00000°,δ41.00000°,λ158.00000°. NP2:ϕ_s250.00000° ,δ76.00000°,λ51.00000°. Principal axes: T 1.5900,Plg44.0000°,Azm121.0000° ; N -0.0500,Plg37.0000°,Azm260.0000°; P -1.5300,Plg21.0000°,Azm8.0000° $M_0$1.60000×10^{17}
IDC Error ellipse: s-maj=11.1km s-min=8.1km az=30.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 99, comp=197, per= 50. Moment Tensor Solution. s88,c160; s12,c12; Moment tensor: Scale 10^{17}Nm; M_{rr}0.19±.03 $M_{\theta\theta}$-0.48±.03; $M_{\phi\phi}$0.29±.03; $M_{r\theta}$-1.19±.02; $M_{\theta\phi}$1.50±.03; $M_{\phi r}$-0.52±.02; Best double couple: NP1:ϕ_s169.00000°,δ52.00000°,λ171.00000°. NP2:ϕ_s264.00000°,δ83.00000°,λ38.00000°. Principal axes: T 2.1500,Plg31.0000°,Azm134.0000°; N -0.2800,Plg51.0000°,Azm273.0000° ; P -1.8800,Plg20.0000°,Azm31.0000° $M_0$2.00000×10^{17}

(207) Eastern New Guinea region

ISC	**IV**	**06 08 30 07.3–.36**	**5.56S–.04**	**145.74E–.05**	**68–2**	**4.8b**	**198**	**4-155**
BJI	IV	06 08 30 03.5	5.75S	146.11E	61	5.0s,5.0b		**¶15153575**
ISCJB	IV	06 08 30 06.5–1.0	5.55S–.04	145.73E–.04	72–10	4.5b,5.0b		
DJA	IV	06 08 30 09.3–1.2	5S–9.0	146E–12	69–9	6.7,5.7b		
IDC	IV	06 08 30 09.0–.71	5.55S	145.67E	83–6	4.3,4.3		
NEIC	IV	06 08 30 10.4–1.2	5.53S	145.68E	95–11	4.6b,4.3		
AUST	IV	06 08 30 12.5	5.80S	145.59E	100	4.6b,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=7.2km az=17.9.
IDC Error ellipse: s-maj=16.4km s-min=9.5km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=7.6km az=92.0. Felt at Goroka.

(174) Tonga Islands region

ISC	**IV**	**06 12 16 14.4–.31**	**22.47S–.05**	**174.87W–.04**	**84–2**	**5.3b**	**979**	**6-180**
IDC	IV	06 12 16 02.5–.39	22.59S	174.78W	0	5.2s,5.2		**¶15153574**
AUST	IV	06 12 16 05.7–.88	22.25S	174.21W	45–0	5.2s,5.2		
GCMT	IV	06 12 16 07.4–.10	22.50S	174.19W	12	5.6W,5.2		
MOS	IV	06 12 16 07.7–1.2	22.33S	175.03W	33	5.5b,5.4s		
NEIC	IV	06 12 16 08.9–.17	22.38S	174.94W	35	5.5s,5.4b		
ISCJB	IV	06 12 16 12.2–.14	22.55S–.04	174.93W–.03	79	5.2b,5.4b		
BJI	IV	06 12 16 15.2	21.74S	174.89W	80	6.1b,5.5s		
DJA	IV	06 12 16 23.6–4.3	23S–11	175W–14	146–35	6.0b,5.6		

ISC Event type se.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves from 109 sta. Moment Tensor Solution. s84,c162; s99,c215; Moment tensor: Scale 10^{17}Nm; M_{rr}2.10±.03 $M_{\theta\theta}$0.26±.03; $M_{\phi\phi}$-2.37±.02; $M_{r\theta}$0.41±.08; $M_{\theta\phi}$0.17±.02; $M_{\phi r}$2.07±.07; Best double couple: NP1: ϕ_s164.00000°,δ25.00000°,λ69.00000°. NP2:ϕ_s7.00000°,δ67.00000°,λ100.00000°. Principal axes: T 2.9900,Plg67.0000°,Azm294.0000°; N 0.1900,Plg9.0000°,Azm183.0000° ; P -3.1800,Plg21.0000°,Azm90.0000° $M_0$3.10000×10^{17}
NEIC Event type se.
ISCJB Event type se.

(221) Kuril Islands

ISC	**IV**	**07 01 39 00.0–.51**	**45.91N–.05**	**151.30E–.04**	**66–4**	**4.8b**	**971**	**3-153**
NIED	IV	07 01 38 00	45.90N	151.40E	47	4.6W		**¶12576629**
BJI	IV	07 01 38 52.8	45.91N	152.13E	60	4.8b,4.6b		
SZGRF	IV	07 01 38 56.4	46.94N	151.12E	81	4.8b,4.6b		
ISCJB	IV	07 01 38 57.9–.44	45.95N–.03	151.26E–.02	56–4	4.8b,4.0s		
SKHL	IV	07 01 38 58.8–1.6	45.97N	151.53E	38–4	6.1b,5.4s		
JMA	IV	07 01 38 58.7–.50	45.87N	151.39E	30	5.5,5.4s		
MOS	IV	07 01 39 00.8–.93	45.99N	151.19E	80	4.8b,5.4s		
NEIC	IV	07 01 39 01.8–.48	46.04N	151.21E	76–4	4.9b,5.4s		
IDC	IV	07 01 39 01.8–2.0	46.07N	151.22E	75–17	4.5,4.5		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ64.00000°,λ75.00000°. NP2:ϕ_s261.00000°,δ29.00000°,λ118.00000°. $M_0$1.03000×10^{16}
SZGRF Kuril Islands, Russia.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.6km az=168.3.
JMA Error ellipse: s-maj=5.6km s-min=4.6km az=-1.0.
MOS Error ellipse: s-maj=7.3km s-min=4.6km az=103.8.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.6km az=163.0.
IDC Error ellipse: s-maj=13.5km s-min=8.4km az=149.0.

(280) Banda Sea

ISC	**IV**	**07 13 29 53.1–.47**	**7.10S–.03**	**129.43E–.04**	**120–3**	**5.1b**	**802**	**3-151**
BJI	IV	07 13 29 43.6	7.20S	129.69E	75	5.2b,5.1b		**¶15153597**
MOS	IV	07 13 29 51.8–1.0	6.91S	129.38E	115	5.3b,5.1b		
AUST	IV	07 13 29 52.6–.15	7.11S	129.40E	110–0	5.3b,5.1b		
ISCJB	IV	07 13 29 54.0–.37	7.07S–.02	129.48E–.03	143–3	5.0b,5.1b		
NEIC	IV	07 13 29 53.7–.84	7.04S	129.36E	126–7	5.0b,5.1b		
IDC	IV	07 13 29 54.8–1.1	6.96S	129.44E	131–8	4.7,4.7		
GCMT	IV	07 13 29 55.5–.30	7.11S	129.40E	134–3	5.1W,4.7		
DJA	IV	07 13 29 55.3–.30	7S–3.0	130E–2.0	71–17	5.7b,5.5		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IC IU G. Moment Tensor Solution. s17,c22; s74,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}2.90±.18 $M_{\theta\theta}$-5.61±.18; $M_{\phi\phi}$2.71±.20; $M_{r\theta}$0.48±.15; $M_{\theta\phi}$-0.09±.16; $M_{\phi r}$2.47±.14; Best double couple: NP1:ϕ_s304.00000°,δ56.00000°,λ146.00000°. NP2:ϕ_s55.00000°,δ62.00000°,λ39.00000°. Principal axes: T 5.2800,Plg46.0000° ,Azm272.0000°; N 0.3600,Plg44.0000°,Azm85.0000°; P -5.6400,Plg4.0000°,Azm178.0000° $M_0$5.50000×10^{16}

(221) Kuril Islands

ISC	**IV**	**08 08 54 35.2–.41**	**45.84N–.05**	**151.63E–.04**	**79–2**	**4.5b**	**649**	**3-153**
NIED	IV	08 08 54 00	45.80N	152.00E	35	4.8W		**¶13438168**
JMA	IV	08 08 54 30.2–.60	45.82N	151.97E	30	5.2		
MOS	IV	08 08 54 30.6–.98	45.91N	151.77E	50	4.7b		
SKHL	IV	08 08 54 31.9–1.4	45.95N	151.98E	64–10	5.8s,5.5b		
ISCJB	IV	08 08 54 31.0–.44	45.83N–.03	151.70E–.03	53–4	4.6b,4.2s		
IDC	IV	08 08 54 32.0–2.0	45.98N	151.68E	47–18	4.2,4.2		
NEIC	IV	08 08 54 34.3–.55	46.00N	151.60E	64–5	4.7b,4.2		

BJI IV 08 08 54 34.4 45.78N 151.54E 77 4.9b,4.6b
GCMT IV 08 08 54 35.2–.40 45.99N 151.92E 44–1 4.9W,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ63.00000°,λ76.00000°. NP2:ϕ_s226.00000°,δ30.00000°,λ116.00000°. $M_0$1.61000×10^{16}
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
MOS Error ellipse: s-maj=7.5km s-min=5.5km az=86.3.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=2.8km az=162.6.
IDC Error ellipse: s-maj=14.3km s-min=9.7km az=142.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.2km az=160.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c38; s58,c71; Moment tensor: Scale 10^{16}Nm; M_{rr}1.69±.20 $M_{\theta\theta}$-0.75±.14; $M_{\phi\phi}$-0.93±.15; $M_{r\theta}$0.49±.13; $M_{\theta\phi}$-2.52±.12; $M_{\theta r}$1.10±.10; Best double couple: NP1:ϕ_s259.00000°,δ45.00000°,λ145.00000°. NP2:ϕ_s16.00000°,δ66.00000°,λ51.00000°. Principal axes: T 2.2300,Plg52.0000° ,Azm239.0000°; N 1.3800,Plg35.0000°,Azm34.0000°; P -3.6100,Plg12.0000°,Azm133.0000° $M_0$2.90000×10^{16}

(221) Kuril Islands

ISC	**IV**	**08 20 50 38.9–.49**	**45.97N–.05**	**151.99E–.05**	**66–3**	**4.6b**	**429**	**3-150**
NIED	IV	08 20 50 00	46.00N	152.20E	44	4.3W		**¶12105710**
JMA	IV	08 20 50 35.7–.60	45.97N	152.17E	30	5.2		
ISCJB	IV	08 20 50 35.4–.64	46.02N–.04	152.01E–.05	48–5	4.6b,3.6s		
SKHL	IV	08 20 50 35.7–1.1	46.05N	152.35E	66–12	5.7s,5.0b		
BJI	IV	08 20 50 36.7	46.28N	152.13E	67	4.8b,4.7b		
MOS	IV	08 20 50 36.2–.88	46.21N	151.88E	46	4.8b,4.7b		
NEIC	IV	08 20 50 39.7–.63	46.22N	151.88E	66–5	4.8b,4.7b		
IDC	IV	08 20 50 40.2–2.5	46.22N	151.87E	70–21	4.2,4.1		
SZGRF	IV	08 20 50 52.2	47.70N	152.29E	115	4.6b,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ68.00000°,λ-35.00000°. NP2:ϕ_s236.00000°,δ58.00000°,λ-154.00000°. $M_0$3.70000×10^{15}
JMA Error ellipse: s-maj=4.4km s-min=5.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=142.6.
MOS Error ellipse: s-maj=8.6km s-min=5.2km az=100.1.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.2km az=144.0.
IDC Error ellipse: s-maj=14.3km s-min=10.4km az=139.0.
SZGRF Kuril Islands, Russia.

(189) Southeast of Loyalty Islands

ISC	**IV**	**09 04 13 12.7–.54**	**22.29S–.05**	**170.45E–.04**	**65–4**	**5.3b**	**701**	**3-169**
IDC	IV	09 04 13 03.5–.36	22.25S	170.67E	0	5.0,5.0		**¶13438219**
ISCJB	IV	09 04 13 06.8–1.1	22.20S–.05	170.53E–.04	33–9	5.2b,4.8s		
NOU	IV	09 04 13 07.0–1.7	20.99S	170.46E	10	3.9L,3.3		
MOS	IV	09 04 13 08.5–1.6	22.18S	170.45E	33	5.5b,4.9s		
SZGRF	IV	09 04 13 08.4	22.42S	171.03E	33	5.5b,4.9s		
NEIC	IV	09 04 13 09.1–.18	22.15S	170.64E	35	5.4b,4.9s		
BGS	IV	09 04 13 11.4–5.5	22.15S	170.64E	33	5.4b,4.9s		
GCMT	IV	09 04 13 13.2–.10	22.39S	170.40E	30–0	5.3W,4.9s		
BJI	IV	09 04 13 13.5	21.88S	171.17E	93	5.2b,5.2b		
DJA	IV	09 04 13 16.4–3.1	22S–7.0	170E–14	85–23	5.8b,5.3		

ISC Event type se.
ISCJB Event type se.
SZGRF Southeast of Loyalty Islands.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s90,c147; s96,c149; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s314.00000°,δ34.00000°,λ108.00000°. NP2:ϕ_s113.00000° ,δ58.00000°,λ78.00000°. Principal axes: T 1.0600,Plg74.0000°,Azm351.0000° ; N 0.0800,Plg10.0000°,Azm119.0000°; P -1.1400,Plg12.0000°,Azm211.0000° $M_0$1.10000×10^{17}

(704) Nicobar Islands region

ISC	**IV**	**09 08 10 53.8–.42**	**6.23N–.03**	**94.45E–.03**	**82–3**	**5.4b**	**1488**	**1-173**
BJI	IV	09 08 10 43.2	5.65N	94.17E	41	5.2b,4.9b		**¶15153625**
SZGRF	IV	09 08 10 50.1	5.75N	95.00E	66	5.4b,4.9b		
AUST	IV	09 08 10 51.6	6.31N	94.40E	60	5.4b,4.9b		
ISCJB	IV	09 08 10 52.0–.43	6.21N–.02	94.40E–.02	80–4	5.3b,4.9b		
MOS	IV	09 08 10 53.3–1.5	6.21N	94.46E	96	5.5b,4.9b		
DJA	IV	09 08 10 54.5–.70	6N–3.0	94E–7.0	68–4	5.7b,5.5b		
NEIC	IV	09 08 10 54.0–.56	6.26N	94.44E	82–4	5.4b,5.5b		
IDC	IV	09 08 10 55.2–1.0	6.31N	94.55E	91–8	5.1,5.1		
GCMT	IV	09 08 10 55.3–.30	6.28N	94.54E	62–1	5.1W,5.1		

ISC Event type fe.
SZGRF Northern Sumatera, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.8km az=43.5.
MOS Error ellipse: s-maj=10.7km s-min=4.3km az=126.2.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.6km az=221.0. Felt [III] at Banda Aceh and Sabang, Indonesia.
IDC Error ellipse: s-maj=9.1km s-min=6.2km az=51.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c63; s66,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}4.58±.19 $M_{\theta\theta}$-5.15±.12; $M_{\phi\phi}$0.57±.15; $M_{r\theta}$0.12±.12; $M_{\theta\phi}$-0.42±.13; $M_{\phi r}$-0.54±.12; Best double couple: NP1:ϕ_s258.00000°,δ45.00000°,λ79.00000°. NP2:ϕ_s94.00000°,δ46.00000°,λ101.00000°. Principal axes: T 4.6600,Plg82.0000° ,Azm82.0000°; N 0.5200,Plg8.0000°,Azm266.0000°; P -5.1800,Plg0.0000°,Azm176.0000° $M_0$4.90000×10^{16}

(718) Hindu Kush region

ISC	**IV**	**09 16 34 29.6–.27**	**36.55N–.03**	**70.96E–.03**	**188–2**	**4.7b**	**649**	**3-150**
SZGRF	IV	09 16 34 18.3	35.51N	72.41E	184	4.9b		**¶13438263**
BJI	IV	09 16 34 24.3	36.68N	70.39E	180	4.7b,4.7b		
MOS	IV	09 16 34 27.8–.84	36.51N	70.97E	182	4.9b,4.7b		
ISCJB	IV	09 16 34 27.3–.27	36.51N–.02	70.96E–.02	175–3	4.6b,4.7b		
DJA	IV	09 16 34 29.3–.60	36N–7.0	71E–7.0	168–9	5.6,5.6b		
IDC	IV	09 16 34 29.7–.50	36.45N	70.94E	187–4	4.3,4.2		
NEIC	IV	09 16 34 29.4–.18	36.51N	70.97E	184	4.6b,4.2		
NNC	IV	09 16 34 32.4–6.9	36.91N	70.69E	180–66	5.3,4.3b		

ISC Event type fe.
SZGRF Pakistan.
MOS Error ellipse: s-maj=5.6km s-min=3.4km az=108.1.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.6km az=147.7.
IDC Error ellipse: s-maj=10.9km s-min=6.7km az=20.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.5km az=198.0. Felt [III] at Kabul. Also felt at Jalalabad.
NNC Error ellipse: s-maj=59.9km s-min=31.7km az=5.0.

(221) Kuril Islands

ISC	**IV**	**10 03 10 21.8–.34**	**46.13N–.04**	**151.79E–.03**	**64–2**	**5.0b**	**1207**	**3-152**
NIED	IV	10 03 10 00	45.90N	152.40E	38	4.9W		**¶13438283**
IDC	IV	10 03 10 13.3–.36	46.11N	151.90E	0	4.9,4.9		
JMA	IV	10 03 10 16.0–.60	45.92N	152.41E	30	5.3,4.9		
ISCJB	IV	10 03 10 17.2–.43	46.07N–.03	151.84E–.02	35–4	5.0b,4.3s		
DJA	IV	10 03 10 17.4–1.4	46N–11	151E–25	10	5.8b,5.3		
SKHL	IV	10 03 10 17.6–.10	45.98N	152.33E	42–12	5.0b,4.8s		
MOS	IV	10 03 10 18.3–1.0	46.16N	151.83E	43	5.4b,4.4s		
BJI	IV	10 03 10 19.5	46.28N	151.96E	65	4.9b,4.9b		
SZGRF	IV	10 03 10 19.0	47.17N	151.87E	33	5.1b,4.9b		
NEIC	IV	10 03 10 22.0–.57	46.13N	151.79E	62–5	5.1b,4.9b		
GCMT	IV	10 03 10 22.5–.30	46.05N	152.09E	41–1	4.9W,4.9b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ83.00000°,λ50.00000°. NP2:ϕ_s231.00000°,δ41.00000°,λ170.00000°. $M_0$2.15000×10^{16}
IDC Error ellipse: s-maj=12.6km s-min=9.4km az=132.0.
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.1km az=168.5.
MOS Error ellipse: s-maj=7.4km s-min=4.2km az=95.0.
SZGRF Kuril Islands, Russia.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.7km az=161.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s38,c49; s70,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}2.46±.15 $M_{\theta\theta}$-0.73±.11; $M_{\phi\phi}$-1.73±.10; $M_{r\theta}$0.38±.10; $M_{\theta\phi}$-1.75±.07; $M_{\phi r}$1.61±.08; Best double couple: NP1:ϕ_s233.00000°,δ33.00000°,λ116.00000°. NP2:ϕ_s23.00000°,δ61.00000°,λ74.00000°. Principal axes: T 3.0200,Plg70.0000° ,Azm259.0000°; N 0.4300,Plg14.0000°,Azm31.0000°; P -3.4400,Plg15.0000°,Azm125.0000° $M_0$3.20000×10^{16}

(270) Ceram Sea

ISC	**IV**	**10 05 40 32.6–.30**	**3.13S–.03**	**127.51E–.03**	**63–2**	**5.0b**	**397**	**0-161**
AUST	IV	10 05 40 24.2–.44	3.04S	127.58E	0–0	5.0b		**¶15153643**
BJI	IV	10 05 40 24.6	3.89S	127.95E	68	5.3b,5.0b		
IDC	IV	10 05 40 26.8–2.0	3.19S	127.38E	18–11	4.9L,4.7		
MOS	IV	10 05 40 27.2–1.3	3.07S	127.45E	33	5.2b,4.7		
ISCJB	IV	10 05 40 28.8–.39	3.08S–.02	127.57E–.02	47–3	4.9b,4.6s		
DJA	IV	10 05 40 29.5–.40	3S–2.0	128E–1.0	15–4	6.0,6.0b		
GCMT	IV	10 05 40 30.2–.20	2.88S	127.46E	27–0	5.4W,6.0b		
NEIC	IV	10 05 40 32.3–1.1	3.12S	127.50E	63–11	5.0b,6.0b		

ISC Event type se.
AUST Error ellipse: s-maj=0.8km s-min=0.7km az=3.0.
IDC Error ellipse: s-maj=20.8km s-min=7.5km az=72.0.
MOS Error ellipse: s-maj=14.2km s-min=5.8km az=116.7.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.2km az=142.4.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s83,c131; s82,c135; Moment tensor: Scale 10^{17}Nm; M_{rr}0.64±.02 $M_{\theta\theta}$-0.67±.02; $M_{\phi\phi}$0.04±.02; $M_{r\theta}$-0.76±.04; $M_{\theta\phi}$0.55±.02; $M_{\phi r}$1.04±.06; Best double couple: NP1:ϕ_s89.00000°,δ23.00000°,λ39.00000°. NP2:ϕ_s322.00000°,δ76.00000°,λ108.00000°. Principal axes: T 1.4600,Plg56.0000° ,Azm254.0000°; N 0.1500,Plg17.0000°,Azm137.0000°; P -1.6100,Plg29.0000°,Azm37.0000° $M_0$1.50000×10^{17}
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.9km az=58.0.

(263) Talaud Islands

ISC	**IV**	**11 21 45 21.9–.26**	**4.32N–.03**	**125.59E–.04**	**159–1**	**4.9b**	**485**	**3-167**
BJI	IV	11 21 45 21.4	4.40N	125.50E	158	4.9b,4.7b		**¶12582047**
ISCJB	IV	11 21 45 21.5–.26	4.39N–.02	125.66E–.02	167–2	4.9b,4.7b		
IDC	IV	11 21 45 21.7–.53	4.34N	125.52E	156–4	4.6,4.6		
NEIC	IV	11 21 45 22.2–.61	4.40N	125.48E	159–5	4.8b,4.6		
GCMT	IV	11 21 45 22.4–.20	4.26N	125.60E	142–2	5.1W,4.6		
DJA	IV	11 21 45 24.0–.30	4N–2.0	126E–2.0	156–3	6.8,5.6b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s43,c53; s84,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.23±.16 $M_{\theta\theta}$-2.26±.15; $M_{\phi\phi}$2.50±.18; $M_{r\theta}$1.31±.10; $M_{\theta\phi}$1.49±.15; $M_{\phi r}$-4.15±.12; Best double couple: NP1:ϕ_s244.00000°,δ32.00000°,λ-4.00000°. NP2:ϕ_s337.00000°,δ88.00000°,λ-122.00000°. Principal axes: T 5.5300,Plg35.0000° ,Azm94.0000°; N -0.7700,Plg32.0000°,Azm338.0000°; P -4.7500,Plg38.0000° ,Azm218.0000° $M_0$5.10000×10^{16}

(259) Mindanao

ISC	**IV**	**14 18 02 49.4–.39**	**6.02N–.04**	**125.65E–.05**	**81–3**	**4.6b**	**213**	**1-163**
BJI	IV	14 18 02 42.1	5.34N	125.88E	79	4.9b,4.6b		**¶15153705**
MAN	IV	14 18 02 47	5.90N	125.68E	63	5.3b,4.4s		
DJA	IV	14 18 02 48.4–1.4	6N–10	126E–7.0	59–10	5.6,5.5b		
AUST	IV	14 18 02 48.2–.02	6.02N	125.63E	77–0	5.6,5.5b		
NEIC	IV	14 18 02 49.0–.92	6.04N	125.55E	80–8	4.4b,5.5b		
ISCJB	IV	14 18 02 48.1–.35	6.02N–.02	125.66E–.04	84–3	4.5b,5.5b		
IDC	IV	14 18 02 49.4–.81	6.02N	125.51E	81–7	4.3,4.3b		

ISC Event type se.
AUST Error ellipse: s-maj=1.2km s-min=0.9km az=242.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.5km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.4km az=164.4.
IDC Error ellipse: s-maj=14.9km s-min=8.4km az=83.0.

(290) Timor Sea

ISC	**IV**	**17 04 09 59.5–.25**	**7.49S–.03**	**128.33E–.03**	**143–1**	**5.5b**	**1584**	**3-162**
BJI	IV	17 04 09 49.7	8.28S	128.80E	130	5.6b,5.3b		**¶16359966**
MOS	IV	17 04 09 56.5–.90	7.33S	128.21E	119	5.7b,5.3b		
AUST	IV	17 04 09 56.8–.22	7.47S	128.29E	106–0	5.7b,5.3b		
NEIC	IV	17 04 09 60.0–.56	7.43S	128.24E	144–4	5.5b,5.3b		
BGS	IV	17 04 10 00.4–1.7	7.43S	128.24E	150	5.5b,5.3b		
ISCJB	IV	17 04 10 00.4–.32	7.51S–.02	128.33E–.02	163–3	5.4b,5.3b		
IDC	IV	17 04 10 00.7–.75	7.43S	128.27E	147–6	5.2b,5.2		
GCMT	IV	17 04 10 01.8–.20	7.64S	128.29E	153–1	5.4W,5.2		
DJA	IV	17 04 10 01.5–.20	8S–2.0	128E–2.0	145–4	5.8b,5.8		
TEH	IV	17 04 10 02.3	7.51N	128.25E	166	5.5L,5.8		

ISC Event type se.
MOS Error ellipse: s-maj=8.8km s-min=5.1km az=114.0.
AUST Error ellipse: s-maj=0.7km s-min=0.5km az=34.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=55.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.0km az=38.1.
IDC Error ellipse: s-maj=8.8km s-min=6.5km az=60.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=200, per= 50. Moment Tensor Solution. s65,c90; s1,c1; Moment tensor: Scale 10^{17}Nm; M_{rr}1.32±.02 $M_{\theta\theta}$-0.65±.03; $M_{\phi\phi}$-0.67±.03; $M_{r\theta}$-0.54±.02; $M_{\theta\phi}$0.70±.02; $M_{\phi r}$-0.08±.03; Best double couple: NP1:ϕ_s151.00000°,δ40.00000°,λ116.00000°. NP2:ϕ_s299.00000°,δ54.00000°,λ70.00000°. Principal axes: T 1.4900,Plg72.0000°,Azm156.0000°; N -0.0900,Plg16.0000°,Azm311.0000° ; P -1.4000,Plg7.0000°,Azm43.0000° $M_0$1.50000×10^{17}

(177) Kermadec Islands region

ISC	**IV**	**18 02 03 52.2–.20**	**28.87S–.04**	**177.30W–.03**	**64–1**	**5.9b**	**2137**	**1-173**
IDC	IV	18 02 03 48.1–1.7	28.76S	177.42W	26–10	5.5,5.5		**¶15153788**
MOS	IV	18 02 03 48.2–.78	28.76S	177.45W	33	6.1b,5.3s		
AUST	IV	18 02 03 50.2	28.88S	176.84W	60	6.1b,5.3s		
BJI	IV	18 02 03 51.3	28.53S	176.83W	69	5.9b,5.6b		
ISCJB	IV	18 02 03 51.2–.10	28.99S–.03	177.51W–.02	64	5.8b,5.6b		
NEIC	IV	18 02 03 52.5–.09	28.92S	177.45W	65	6.0b,5.8W		
GCMT	IV	18 02 03 53.1–.10	28.96S	177.04W	51–0	5.7W,5.8W		
DJA	IV	18 02 04 25.2–1.6	29S–7.0	179W–7.0	322–15	5.8b,5.5b		
SZGRF	IV	18 02 23 48.7	29.50S	176.50W	64	5.8b,5.5b		

ISC Event type se.
IDC Error ellipse: s-maj=11.7km s-min=9.5km az=22.0.
MOS Error ellipse: s-maj=8.8km s-min=7.4km az=72.6.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.4km az=159.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.0km az=147.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=101, comp=183, per= 50. Moment Tensor Solution. s96,c197; s56,c64; Moment tensor: Scale 10^{17}Nm; M_{rr}4.85±.05 $M_{\theta\theta}$-1.85±.05; $M_{\phi\phi}$-3.00±.04; $M_{r\theta}$-0.92±.04; $M_{\theta\phi}$-2.32±.03; $M_{\phi r}$0.32±.04; Best double couple: NP1:ϕ_s28.00000°,δ44.00000°,λ75.00000°. NP2:ϕ_s228.00000°,δ48.00000°,λ104.00000°. Principal axes: T 5.0300,Plg80.0000°,Azm208.0000°; N -0.2000,Plg10.0000°,Azm39.0000° ; P -4.8300,Plg2.0000°,Azm308.0000° $M_0$4.90000×10^{17}
SZGRF Kermadec Islands region.

(213) Volcano Islands region

ISC	**IV**	**19 09 05 54.9–.28**	**23.24N–.03**	**142.29E–.03**	**149–1**	**5.2b**	**1198**	**3-168**
SZGRF	IV	19 09 05 46.5	24.79N	142.93E	33	5.2b		**¶12610726**
ISCJB	IV	19 09 05 51.4–.46	23.28N–.02	142.18E–.02	122–3	5.2b		
IDC	IV	19 09 05 53.8–.53	23.18N	142.19E	139–4	4.9,4.9		
MOS	IV	19 09 05 53.4–.88	23.21N	142.13E	145	5.2b,4.3s		
BJI	IV	19 09 05 54.1	23.47N	142.39E	155	5.0b,5.0b		
NEIC	IV	19 09 05 54.1–.10	23.16N	142.22E	139	5.3b,5.0b		
JMA	IV	19 09 05 54.1–.30	23.56N	142.67E	180	5.5,5.0b		
GCMT	IV	19 09 05 56.0–.20	23.34N	142.17E	122–1	5.2W,5.0b		
DJA	IV	19 09 05 59.0–1.5	23N–8.0	142E–11	185–15	5.6b,5.1		

ISC Event type fe.
SZGRF Volcano Islands, Japan, region.
ISCJB Event type fe.
NEIC Event type fe. Recorded [1 JMA] in the Haha-jima-retto.
JMA Event type fe.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s49,c67; s87,c161; Moment tensor: Scale 10^{16}Nm; M_{rr}7.24±.17 $M_{\theta\theta}$-6.37±.21; $M_{\phi\phi}$-0.88±.23; $M_{r\theta}$-0.17±.18; $M_{\theta\phi}$-6.31±.19; $M_{\phi r}$-0.49±.18; Best double couple: NP1:ϕ_s61.00000°,δ44.00000°,λ97.00000°. NP2:ϕ_s232.00000°,δ47.00000°,λ84.00000°. Principal axes: T 7.3000,Plg85.0000° ,Azm73.0000°; N 3.2000,Plg5.0000°,Azm237.0000°; P -10.5000,Plg1.0000°,Azm327.0000° $M_0$8.90000×10^{16}

(706) Northern Sumatera

ISC	**IV**	**19 11 10 00.2–.24**	**2.81N–.03**	**99.04E–.03**	**178–1**	**5.0b**	**1068**	**0-162**
BJI	IV	19 11 09 51.8	1.99N	99.02E	175	4.7b,4.6b		**¶13438881**
MOS	IV	19 11 09 59.0–.99	2.85N	99.15E	177	5.1b,4.6b		
ISCJB	IV	19 11 09 59.2–.19	2.81N–.02	99.00E–.02	176–1	4.9b,4.6b		
SZGRF	IV	19 11 09 59.1	4.53N	96.75E	33	5.1b,4.6b		
IDC	IV	19 11 09 59.5–.19	2.79N	99.13E	169–1	4.6,4.6		
TEH	IV	19 11 10 00.0	2.79N	99.04E	173	5.0L,4.6		
NEIC	IV	19 11 10 00.3–.46	2.80N	99.09E	175–4	5.0b,4.6		
DJA	IV	19 11 10 00.5–.10	3N–2.0	99E–2.0	162–2	5.9,5.6b		

GCMT IV 19 11 10 02.4–.20 2.77N 99.00E 176–1 5.1W,5.6b
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=4.6km az=120.9.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.5km az=36.1.
SZGRF Northern Sumatera, Indonesia.
IDC Error ellipse: s-maj=8.6km s-min=5.4km az=49.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.4km az=46.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s45,c58; s82,c138; Moment tensor: Scale 10^{16}Nm; M_{rr}2.78±.17 $M_{\theta\theta}$-4.30±.16; $M_{\phi\phi}$1.52±.20; $M_{r\theta}$-0.71±.13; $M_{\theta\phi}$1.05±.18; $M_{\phi r}$-6.30±.14; Best double couple: NP1:ϕ_s258.00000°,δ42.00000°,λ26.00000°. NP2:ϕ_s148.00000°,δ73.00000°,λ128.00000°. Principal axes: T 8.6000,Plg47.0000° ,Azm98.0000°; N -3.9700,Plg36.0000°,Azm314.0000°; P -4.6300,Plg19.0000° ,Azm210.0000° $M_0$6.60000×10^{16}

(221) Kuril Islands

ISC	**IV**	**21 01 16 46.6–.38**	**44.48N–.04**	**148.17E–.04**	**63–2**	**4.9b**	**945**	**1-153**
BJI	IV	21 01 16 41.6	44.50N	148.64E	59	5.1b,5.0b		**¶12612265**
SKHL	IV	21 01 16 43.1–.60	44.38N	148.65E	63–12	5.2b,4.2s		
JMA	IV	21 01 16 44.3–.30	44.06N	148.08E	0	5.0,4.2s		
ISCJB	IV	21 01 16 45.7–.34	44.47N–.03	148.12E–.02	65–3	4.8b,4.2s		
MOS	IV	21 01 16 45.2–.89	44.52N	148.15E	62	5.2b,4.2s		
IDC	IV	21 01 16 46.5–1.7	44.53N	148.16E	60–14	4.6,4.6		
TEH	IV	21 01 16 47.0	44.63N	148.06E	57	4.8L,4.6		
NEIC	IV	21 01 16 47.1–.53	44.52N	148.07E	65–5	5.0b,4.6		
NIED	IV	21 01 17 00	44.10N	148.00E	50	4.7W,4.6		

ISC Event type fe.
SKHL Event type fe. Felt (III) at Kurilsk, (II) at Yushno-Kurilsk.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.4km az=162.9.
MOS Event type fe. Error ellipse: s-maj=7.5km s-min=4.5km az=106.8. Felt (III) at Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=10.8km s-min=9.3km az=137.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=159.0. Recorded [1 JMA] in eastern Hokkaido.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ76.00000°,λ90.00000°. NP2:ϕ_s209.00000°,δ14.00000°,λ89.00000°. $M_0$1.31000×10^{16}

(221) Kuril Islands

ISC	**IV**	**21 05 26 11.6–.20**	**50.73N–.03**	**155.19E–.02**	**157–1**	**6.0b**	**2666**	**1-159**
BJI	IV	21 05 26 06.2	50.70N	155.56E	143	6.2b,5.8b		**¶13438949**
MOS	IV	21 05 26 09.9–.80	50.82N	155.06E	153	5.9b,5.3s		
KRSC	IV	21 05 26 09.9–.60	50.37N	156.06E	179–20	6.1L,5.3s		
DJA	IV	21 05 26 11.7–3.0	51N–8.0	155E–8.0	149–27	6.3b,6.2		
NEIC	IV	21 05 26 11.5–.09	50.83N	155.01E	152	6.2W,6.1W		
ISCJB	IV	21 05 26 12.0–.24	50.82N–.02	155.07E–.02	169–1	5.8b,6.1W		
IDC	IV	21 05 26 11.3–.35	50.84N	155.08E	151–3	5.3,5.3		
TEH	IV	21 05 26 12.0	50.82N	155.06E	151	6.0L,5.3		
BGS	IV	21 05 26 12.2–2.1	51.17N	155.02E	150–999	5.2b,5.3		
IGIL	IV	21 05 26 12.0	50.82N	155.06E	151	5.5s,5.3		
GCMT	IV	21 05 26 15.1–.10	50.64N	155.59E	152–0	6.2W,5.3		
SZGRF	IV	21 05 26 17.0	51.59N	155.18E	173	6.1b,5.3		

ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=7.1km s-min=4.4km az=88.0. Felt (III-IV) at Severo-Kuril'sk, (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.9km az=166.0. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s33.00000°,δ85.00000°,λ-80.00000°. NP2:ϕ_s149.00000°,δ11.00000°,λ-153.00000°. Principal axes: T Plg39.0000°,Azm114.0000° ; N Plg0.0000°,Azm0.0000°; P Plg49.0000°,Azm314.0000° Moment Tensor Solution. s104 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.22 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$0.65 $M_{r\theta}$-1.30 $M_{\theta\phi}$0.21 $M_{\phi r}$-1.99 Best double couple: NP1:ϕ_s147.00000°,δ11.00000°,λ-157.00000°. NP2:ϕ_s34.00000° ,δ86.00000°,λ-84.00000°. Principal axes: T 2.5900,Plg39.0000°,Azm115.0000° ; N -0.3000,Plg9.0000°,Azm213.0000°; P -2.2900,Plg48.0000°,Azm314.0000° $M_0$2.50000×10^{18} Moment Tensor Solution. $M_0$4.00000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=167.6.
IDC Error ellipse: s-maj=8.8km s-min=6.5km az=136.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=113, comp=272, per= 50. Moment Tensor Solution. s109,c267; s92,c138; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00±.02 $M_{\theta\theta}$-0.53±.02; $M_{\phi\phi}$0.53±.02; $M_{r\theta}$-1.15±.01; $M_{\theta\phi}$-0.54±.02; $M_{\phi r}$-1.99±.01; Best double couple: NP1:ϕ_s116.00000°,δ18.00000°,λ177.00000°. NP2:ϕ_s208.00000°,δ89.00000°,λ72.00000°. Principal axes: T 2.3200,Plg43.0000°,Azm101.0000°; N 0.1800,Plg18.0000°,Azm209.0000° ; P -2.5100,Plg42.0000°,Azm315.0000° $M_0$2.40000×10^{18}
SZGRF Northwest of Kuril Islands, Russia.

(7) Andreanof Islands

ISC	**IV**	**21 08 37 28.8–.25**	**52.22N–.05**	**173.38W–.02**	**68–1**	**5.3b**	**1348**	**0-160**
DJA	IV	21 08 37 19.6–1.1	52N–11	173W–25	10	6.1b,5.8		**¶13438956**
MOS	IV	21 08 37 23.9–.86	52.30N	173.45W	33	5.4b,4.2s		
SZGRF	IV	21 08 37 24.6	51.68N	177.17W	33	5.0b,4.1s		
BJI	IV	21 08 37 27.4	52.69N	173.22W	74	5.2b,5.0b		
IDC	IV	21 08 37 27.8–.31	52.25N	173.41W	56–2	4.9,4.9		
NEIC	IV	21 08 37 28.1–.13	52.26N	173.44W	56	5.4b,5.2L		
ISCJB	IV	21 08 37 28.6–.26	52.27N–.03	173.39W–.02	76–2	5.2b,5.2L		
GCMT	IV	21 08 37 30.7–.20	52.00N	173.28W	63–1	5.2W,5.2L		

ISC Event type fe.
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=80.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
IDC Error ellipse: s-maj=10.4km s-min=7.0km az=163.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=2.2km az=172.0. Felt at Atka.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=1.8km az=0.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s62,c83; s90,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}7.72±.25 $M_{\theta\theta}$-7.41±.21; $M_{\phi\phi}$-0.31±.22; $M_{r\theta}$0.50±.18; $M_{\theta\phi}$-3.44±.15; $M_{\phi r}$2.56±.14; Best double couple: NP1:ϕ_s264.00000°,δ42.00000°,λ114.00000°. NP2:ϕ_s52.00000°,δ52.00000°,λ69.00000°. Principal axes: T 8.4800,Plg73.0000° ,Azm264.0000°; N 0.4400,Plg16.0000°,Azm65.0000°; P -8.9300,Plg5.0000°,Azm157.0000° $M_0$8.70000×10^{16}

(207) Eastern New Guinea region

ISC	**IV**	**21 16 32 17.9–.35**	**6.12S–.04**	**147.20E–.05**	**69–2**	**4.8b**	**228**	**3-154**
MOS	IV	21 16 32 12.6–1.0	5.95S	147.02E	33	5.0b		**¶12638917**
NEIC	IV	21 16 32 14.7–.21	5.97S	147.09E	41	4.8b		
ISCJB	IV	21 16 32 14.7–.99	6.03S–.04	147.15E–.04	55–9	4.8b,4.1s		
BJI	IV	21 16 32 15.1	6.29S	147.31E	77	5.2b,5.0s		
IDC	IV	21 16 32 15.3–.54	6.04S	147.06E	44–5	4.6,4.6		
GCMT	IV	21 16 32 19.3–.30	6.09S	147.21E	44–0	5.0W,4.6		
DJA	IV	21 16 32 21.9–1.4	6S–9.0	147E–11	51–10	5.5b,5.5		

ISC Event type fe.
NEIC Event type fe. Felt at Bulolo and Lae.
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s43,c55; s48,c68; Moment tensor: Scale 10^{16}Nm; M_{rr}3.54±.16 $M_{\theta\theta}$-3.52±.10; $M_{\phi\phi}$-0.02±.12; $M_{r\theta}$0.17±.09; $M_{\theta\phi}$1.28±.08; $M_{\phi r}$-0.64±.11; Best double couple: NP1:ϕ_s278.00000°,δ43.00000°,λ76.00000°. NP2:ϕ_s118.00000°,δ49.00000°,λ103.00000°. Principal axes: T 3.6500,Plg80.0000° ,Azm93.0000°; N 0.3100,Plg10.0000°,Azm289.0000°; P -3.9600,Plg3.0000°,Azm198.0000° $M_0$3.80000×10^{16}

(184) Santa Cruz Islands

ISC	**IV**	**21 21 10 03.8–.27**	**10.93S–.03**	**166.01E–.03**	**73–1**	**5.2b**	**1046**	**6-164**
MOS	IV	21 21 09 58.3–1.1	10.81S	166.01E	33	5.5b,5.1s		**¶15153883**
NEIC	IV	21 21 09 59.4–.12	10.80S	166.03E	35	5.7W,5.7W		
ISCJB	IV	21 21 10 02.4–.09	10.93S–.02	165.89E–.02	70	5.2b,5.7W		
BJI	IV	21 21 10 02.5	10.62S	166.04E	70	5.6b,5.3s		
GCMT	IV	21 21 10 03.9–.10	10.94S	165.74E	46–0	5.6W,5.3s		
AUST	IV	21 21 10 03.2–.46	10.88S	165.96E	58–0	5.6W,5.3s		
IDC	IV	21 21 10 03.5–1.9	10.92S	165.98E	66–16	5.1,5.1		
DJA	IV	21 21 10 05.4–1.0	11S–4.0	166E–5.0	83–11	5.7b,5.3b		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}3.96 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-3.80 $M_{r\theta}$0.00 $M_{\theta\phi}$0.83 $M_{\phi r}$0.21 Best double couple: NP1:ϕ_s348.00000° ,δ46.00000°,λ91.00000°. NP2:ϕ_s167.00000°,δ44.00000°,λ89.00000°. Principal axes: T 3.9700,Plg88.0000°,Azm278.0000°; N 0.0300,Plg0.0000°,Azm167.0000° ; P -3.9900,Plg1.0000°,Azm77.0000° $M_0$4.00000×10^{17}
ISCJB Event type se.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 95, comp=184, per= 50. Moment Tensor Solution. s102,c188; s40,c43; Moment tensor: Scale 10^{17}Nm; M_{rr}3.27±.04 $M_{\theta\theta}$-0.59±.03; $M_{\phi\phi}$-2.69±.03; $M_{r\theta}$-0.49±.03; $M_{\theta\phi}$1.49±.03; $M_{\phi r}$0.13±.03; Best double couple: NP1:ϕ_s159.00000°,δ43.00000°,λ100.00000°. NP2:ϕ_s326.00000°,δ48.00000°,λ81.00000°. Principal axes: T 3.3300,Plg83.0000°,Azm175.0000°; N 0.1400,Plg7.0000°,Azm332.0000° ; P -3.4800,Plg3.0000°,Azm62.0000° $M_0$3.40000×10^{17}

(186) Vanuatu Islands

ISC	**IV**	**22 01 48 25.9–.24**	**13.72S–.03**	**167.28E–.03**	**194–1**	**5.2b**	**1259**	**8-166**
MOS	IV	22 01 48 22.9–.95	13.60S	167.21E	171	5.2b		**¶15153903**
BJI	IV	22 01 48 25.1	13.38S	167.40E	194	5.5b,5.3b		
IDC	IV	22 01 48 26.3–.49	13.75S	167.18E	194–4	4.9,4.9		
NEIC	IV	22 01 48 26.2–.11	13.65S	167.21E	195	5.1b,4.9		
ISCJB	IV	22 01 48 27.1–.73	13.69S–.03	167.17E–.02	213–6	5.1b,4.9		
AUST	IV	22 01 48 28.8–.56	13.66S	167.22E	216–0	5.1b,4.9		
GCMT	IV	22 01 48 28.9–.10	13.73S	167.06E	198–1	5.3W,4.9		
DJA	IV	22 01 48 33.9–2.5	14S–6.0	167E–6.0	275–37	5.3b,5.3b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s77,c114; s97,c157; Moment tensor: Scale 10^{17}Nm; M_{rr}1.11±.02 $M_{\theta\theta}$-0.15±.02; $M_{\phi\phi}$-0.96±.02; $M_{r\theta}$0.37±.02; $M_{\theta\phi}$0.31±.02; $M_{\phi r}$-0.26±.02; Best double couple: NP1:ϕ_s352.00000°,δ37.00000°,λ109.00000°. NP2:ϕ_s149.00000°,δ56.00000°,λ77.00000°. Principal axes: T 1.2200,Plg75.0000° ,Azm19.0000°; N -0.1000,Plg11.0000°,Azm157.0000°; P -1.1300,Plg10.0000° ,Azm249.0000° $M_0$1.20000×10^{17}

(267) Halmahera

ISC	**IV**	**22 07 37 31.6–1.2**	**1.41N–.08**	**128.1E–.10**	**150**	**4.0b**	**14**	**1-60**
IDC	IV	22 07 37 19.2–1.2	1.80N	127.47E	0	4.1,3.9		**¶12935968**
ISCJB	IV	22 07 37 29.9–.94	1.46N–.08	128.1E–.10	150	3.8b,3.9		
DJA	IV	22 07 37 31.7–.70	1N–5.0	128E–6.0	129–5	5.6b,5.1		

ISC Event type ke.
ISCJB Event type ke.

(173) Tonga Islands

ISC	**IV**	**22 15 18 20.9–.31**	**17.22S–.05**	**174.32W–.05**	**209–2**	**4.7b**	**766**	**4-174**
AUST	IV	22 15 18 16.0–.01	17.19S	174.12W	167–0	4.7b		**¶15153899**
MOS	IV	22 15 18 16.2–1.3	16.93S	174.55W	164	4.7b		
ISCJB	IV	22 15 18 19.0–.12	17.18S–.04	174.46W–.03	200	4.7b		
IDC	IV	22 15 18 19.2–.44	17.25S	174.47W	190–4	4.5,4.5		
NEIC	IV	22 15 18 19.1–.16	17.23S	174.45W	192	4.7b,4.5		
BJI	IV	22 15 18 20.7	17.01S	173.87W	223	5.2b,4.9b		
GCMT	IV	22 15 18 22.1–.30	17.17S	174.14W	196–2	5.1W,4.9b		
DJA	IV	22 15 19 23.6–6.5	18S–17	179W–59	619–45	5.2b,4.9b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c43; s81,c121; Moment tensor: Scale 10^{16}Nm; M_{rr}2.32±.14 $M_{\theta\theta}$-3.87±.17; $M_{\phi\phi}$1.54±.17; $M_{r\theta}$1.35±.14; $M_{\theta\phi}$3.58±.14; $M_{\phi r}$2.89±.13; Best double couple: NP1:ϕ_s79.00000°,δ62.00000°,λ31.00000°. NP2:ϕ_s334.00000°,δ63.00000°,λ148.00000°. Principal axes: T 6.0500,Plg41.0000° ,Azm296.0000°; N -0.4100,Plg49.0000°,Azm117.0000°; P -5.6500,Plg1.0000°,Azm27.0000° $M_0$5.90000×10^{16}

(218) Near east coast of Kamchatka Peninsula

ISC	**IV**	**23 02 11 42.8–.25**	**55.75N–.03**	**161.26E–.02**	**140–1**	**5.0b**	**1526**	**0-164**
BJI	IV	23 02 11 40.1	55.78N	161.08E	134	5.1b,4.9b		**¶13439005**
BGS	IV	23 02 11 41.3–1.6	55.28N	158.34E	137	5.0b,4.9b		
MOS	IV	23 02 11 41.5–.83	55.85N	161.08E	137	5.0b,4.9b		
SZGRF	IV	23 02 11 41.6	55.43N	161.68E	153	5.4b,4.9b		
ISCJB	IV	23 02 11 42.9–.14	55.79N–.02	161.10E–.02	153–1	4.9b,4.9b		
IDC	IV	23 02 11 43.6–.50	55.90N	161.04E	142–4	4.8,4.8		
NEIC	IV	23 02 11 43.1–.47	55.86N	161.07E	137–4	5.0b,4.8		
KRSC	IV	23 02 11 44.6–.50	55.64N	161.41E	130–20	5.2L,4.8		
GCMT	IV	23 02 11 47.3–.20	55.83N	161.53E	148–1	5.2W,4.8		
DJA	IV	23 02 11 50.9–4.9	56N–9.0	161E–17	206–44	5.6b,5.1		

ISC Event type fe.
MOS Event type fe. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
ISCJB Event type fe.
NEIC Event type se.
KRSC Event type se.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s61,c79; s94,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}3.40±.18 $M_{\theta\theta}$-1.67±.23; $M_{\phi\phi}$-1.73±.23; $M_{r\theta}$-0.21±.15; $M_{\theta\phi}$2.34±.19; $M_{\phi r}$6.24±.14; Best double couple: NP1:ϕ_s113.00000°,δ23.00000°,λ36.00000°. NP2:ϕ_s349.00000°,δ77.00000°,λ109.00000°. Principal axes: T 7.7200,Plg54.0000° ,Azm282.0000°; N -0.9600,Plg18.0000°,Azm165.0000°; P -6.7600,Plg29.0000° ,Azm64.0000° $M_0$7.20000×10^{16}

(263) Talaud Islands

ISC	**IV**	**23 12 16 20.9–.43**	**4.39N–.03**	**126.84E–.04**	**66–3**	**5.2b**	**563**	**3-169**
IDC	IV	23 12 16 12.3–.35	4.45N	126.81E	0	5.5L,5.0		**¶15153913**
MOS	IV	23 12 16 15.7–1.0	4.46N	126.81E	33	5.5b,4.6s		
BJI	IV	23 12 16 16.2	3.85N	126.80E	74	5.2b,5.0b		
NEIC	IV	23 12 16 19.3–.82	4.42N	126.82E	52–7	5.2b,5.0b		
AUST	IV	23 12 16 20.1–.17	4.42N	126.95E	58–0	5.2b,5.0b		
GCMT	IV	23 12 16 20.1–.10	4.48N	126.94E	26–0	5.5W,5.0b		
ISCJB	IV	23 12 16 20.4–.38	4.38N–.02	126.89E–.02	77–3	5.1b,5.0b		
DJA	IV	23 12 16 21.9–.30	4N–2.0	127E–2.0	62–3	5.8,5.7		
TEH	IV	23 12 16 22.0	4.33N	126.74E	75	5.4L,5.7		
MAN	IV	23 12 16 23	4.50N	126.67E	31	5.8b,5.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=9.2km az=77.0.
MOS Error ellipse: s-maj=9.5km s-min=5.1km az=111.3.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.2km az=76.0. Felt [IV] at Beo and [III] at Melonguanne.
AUST Error ellipse: s-maj=0.8km s-min=0.5km az=226.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s77,c115; s88,c155; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.02 $M_{\theta\theta}$0.11±.02; $M_{\phi\phi}$-0.09±.02; $M_{r\theta}$-0.29±.03; $M_{\theta\phi}$-0.27±.01; $M_{\phi r}$2.45±.06; Best double couple: NP1:ϕ_s263.00000°,δ7.00000°,λ180.00000°. NP2:ϕ_s353.00000°,δ90.00000°,λ83.00000°. Principal axes: T 2.4600,Plg45.0000° ,Azm256.0000°; N 0.0400,Plg7.0000°,Azm353.0000°; P -2.5000,Plg45.0000°,Azm90.0000° $M_0$2.50000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=160.7.

(358) Romania

ISC	**IV**	**25 17 18 48.9–.17**	**45.70N–.02**	**26.54E–.02**	**102–1**	**5.3b**	**2764**	**0-153**
SFS	IV	25 17 18 19.0	45.87N	29.47E	0	5.3b		**¶13439087**
PRU	IV	25 17 18 32.6	45.54N	28.13E	0	5.3		
BJI	IV	25 17 18 46.0	45.70N	26.40E	96	5.6b,5.3b		
SZGRF	IV	25 17 18 46.8	45.95N	26.94E	33	5.6b,5.3b		
MOS	IV	25 17 18 47.4–1.1	45.72N	26.58E	100	5.5b,5.3b		
ISCJB	IV	25 17 18 47.5–.10	45.648N–.01	26.54E–.01	101–1	5.3b,5.3b		
TEH	IV	25 17 18 48.0	45.69N	26.55E	96	5.3L,5.3b		
IDC	IV	25 17 18 48.7–.28	45.73N	26.45E	100–2	5.1,5.1		
CSEM	IV	25 17 18 48.6–.04	45.69N	26.56E	103	5.3b,5.2W		
PDA	IV	25 17 18 48.5	45.68N	26.53E	101	5.3b,5.2W		
BUC	IV	25 17 18 48.0–.63	45.68N	26.62E	110–7	5.7,5.2W		
PDG	IV	25 17 18 48.6–.47	45.61N	26.52E	95–1	5.3,5.2L		
NEIC	IV	25 17 18 48.6	45.65N	26.61E	101	5.3b,5.2W		
DJA	IV	25 17 18 49.1–2.6	46N–11	26E–15	97–18	5.6b,5.2b		
GCMT	IV	25 17 18 50.8–.20	45.59N	26.71E	107–1	5.2W,5.2b		
BEO	IV	25 17 18 50.6–.85	45.52N	26.04E	0	5.4L,5.2b		

ISC Event type fe.
SFS Event type ke.
SZGRF Romania.
MOS Event type fe. Error ellipse: s-maj=3.6km s-min=2.6km az=37.0. Felt (V) at Kishinev. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=26.0.
IDC Error ellipse: s-maj=8.7km s-min=6.9km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=40.0.
BUC Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=334.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.1km az=0.0.

NEIC Event type fe. Felt [III] at Bucharest, Tulcea and Voluntari; [II] at Craiova, Slatina and Vaslui. Also felt at Adjud, Alexandria, Bucov, Caracal, Chiajna, Corbeanca, Gheorgheni, Giurgiu, Miercurea-Ciuc and Suceava. Felt [IV] at Shumen, Svishtov and Tutrakan; [III] at Belene, Isperikh, Levski, Lom, Pleven, Silistra, Varna, Veliko Turnovo and Vidin; [II] at Burgas, Sofia and Ruse, Bulgaria. Also felt at Dve Mogili, Gabrovo, Kozloduy, Razgrad, Sliven and Stara Zagora. Felt at Basarabeasca and Chisinau, Moldova; Bor, Serbia; Ismayil, Ukraine. After BUC. Moment Tensor Solution. s24 Moment tensor: Scale 10^{16}Nm; M_{rr}7.65 $M_{\theta\theta}$-6.52 $M_{\phi\phi}$-1.13 $M_{r\theta}$2.02 $M_{\theta\phi}$-0.95 $M_{\phi r}$-1.67 Best double couple: NP1:ϕ_s249.00000°,δ39.00000° ,λ71.00000°. NP2:ϕ_s93.00000°,δ53.00000°,λ105.00000°. Principal axes: T 8.2700,Plg76.0000°,Azm52.0000°; N -1.3800,Plg11.0000°,Azm264.0000° ; P -6.8900,Plg7.0000°,Azm172.0000° $M_0$7.70000×10^{16}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 100 sta. Moment Tensor Solution. s79,c109; s99,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}9.11±.15 $M_{\theta\theta}$-5.98±.20; $M_{\phi\phi}$-3.12±.19; $M_{r\theta}$0.91±.18; $M_{\theta\phi}$-2.69±.17; $M_{\phi r}$-1.44±.16; Best double couple: NP1: ϕ_s230.00000°,δ46.00000°,λ77.00000°. NP2:ϕ_s68.00000°,δ46.00000°,λ102.00000°. Principal axes: T 9.3800,Plg81.0000°,Azm58.0000°; N -1.7700,Plg9.0000°,Azm239.0000° ; P -7.6000,Plg0.0000°,Azm149.0000° $M_0$8.50000×10^{16}

BEO Event type ke.

(267) Halmahera

ISC	**IV**	**25 18 41 08.6–.48**	**2.53N–.04**	**128.14E–.07**	**175–4**	**4.4b**	**142**	**2-147**
IDC	IV	25 18 41 05.4–2.4	2.59N	128.34E	146–22	4.1,4.1		**¶15153944**
NEIC	IV	25 18 41 07.7–.25	2.57N	128.33E	171	4.4b,4.1		
ISCJB	IV	25 18 41 07.5–.61	2.55N–.04	128.17E–.05	184–6	4.3b,4.1		
AUST	IV	25 18 41 09.5–.60	2.46N	128.04E	193–0	4.3b,4.1		
DJA	IV	25 18 41 12.7–.60	2N–7.0	128E–3.0	125–9	5.2b,4.7b		

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

(192) New Britain region

ISC	**IV**	**25 21 40 03.4–.58**	**6.52S–.06**	**147.61E–.09**	**63**	**4.1b**	**50**	**3-153**
ISCJB	IV	25 21 40 01.7–.50	6.51S–.05	147.65E–.07	63	4.2b		**¶15153954**
IDC	IV	25 21 40 03.2–2.4	6.54S	147.66E	64–18	4.1,4.0		
DJA	IV	25 21 40 04.5–2.4	7S–14	148E–21	103–13	5.9,5.8b		
AUST	IV	25 21 40 07.4	6.73S	147.63E	100	5.9,5.8b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.2km az=165.6.
IDC Error ellipse: s-maj=33.6km s-min=14.3km az=86.0.

(178) Kermadec Islands

ISC	**IV**	**26 00 06 54.9–.24**	**30.21S–.04**	**178.51W–.04**	**145–1**	**5.4b**	**1413**	**1-172**
SZGRF	IV	26 00 06 39.5	29.03S	176.45W	33	5.4b		**¶15153973**
DJA	IV	26 00 06 50.9–2.2	30S–6.0	179W–8.0	106–20	6.2,6.1b		
AUST	IV	26 00 06 51.5–.38	30.11S	178.26W	113–0	6.2,6.1b		
NEIC	IV	26 00 06 53.1–.56	30.30S	178.58W	132–4	6.1W,6.0W		
BJI	IV	26 00 06 53.4	29.95S	178.18W	143	5.9b,5.5b		
ISCJB	IV	26 00 06 53.3–.09	30.41S–.02	178.56W–.03	143	5.3b,5.5b		
MOS	IV	26 00 06 54.3–1.0	30.08S	178.57W	142	5.5b,5.5b		
IDC	IV	26 00 06 55.3–.62	30.08S	178.50W	145–5	5.2,5.2		
GCMT	IV	26 00 06 58.3–.10	30.19S	178.24W	152–0	6.1W,5.2		
BGS	IV	26 00 07 00.4–2.9	30.30S	178.58W	132	5.5b,5.2		

ISC Event type se.
SZGRF Kermadec Islands region.
AUST Error ellipse: s-maj=0.9km s-min=0.7km az=312.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=137.0. Moment Tensor Solution. s39 Moment tensor: Scale 10^{18}Nm; M_{rr}0.22 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.41 $M_{\theta\phi}$-0.11 $M_{\phi r}$1.66 Best double couple: NP1:ϕ_s14.00000°,δ86.00000°,λ88.00000°. NP2:ϕ_s225.00000°,δ4.00000° ,λ120.00000°. Principal axes: T 1.7200,Plg48.0000°,Azm281.0000°; N 0.0000,Plg2.0000° ,Azm14.0000°; P -1.7300,Plg41.0000°,Azm106.0000° $M_0$1.70000×10^{18} Moment Tensor Solution. $M_0$3.10000×10^{18}
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=137.2.
MOS Error ellipse: s-maj=9.4km s-min=7.5km az=61.7.
IDC Error ellipse: s-maj=9.9km s-min=9.6km az=30.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=254, per= 50. Moment Tensor Solution. s111,c259; s84,c122; Moment tensor: Scale 10^{18}Nm; M_{rr}0.09±.01 $M_{\theta\theta}$-0.21±.01; $M_{\phi\phi}$0.12±.01; $M_{r\theta}$0.44±.01; $M_{\theta\phi}$-0.27±.01; $M_{\phi r}$1.70±.01; Best double couple: NP1:ϕ_s279.00000°,δ10.00000°,λ174.00000°. NP2:ϕ_s15.00000°,δ89.00000°,λ80.00000°. Principal axes: T 1.8100,Plg45.0000°,Azm275.0000°; N -0.0500,Plg10.0000°,Azm15.0000° ; P -1.7600,Plg43.0000°,Azm115.0000° $M_0$1.80000×10^{18}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(139) Mendoza Province

ISC	**IV**	**26 08 03 38.0–.25**	**32.89S–.03**	**69.40W–.04**	**132–2**	**5.0b**	**973**	**1-174**
BJI	IV	26 08 03 34.8	32.80S	69.30W	107	5.3b		**¶12697300**
ISCJB	IV	26 08 03 34.8–.30	32.76S–.03	69.23W–.04	109–2	5.0b		
MOS	IV	26 08 03 35.7–.91	32.81S	69.39W	118	5.0b		
GUC	IV	26 08 03 36.5–.54	32.84S	69.65W	138–5	5.6L		
NEIC	IV	26 08 03 36.5–.23	32.85S	69.34W	115–2	5.1,5.0b		
IDC	IV	26 08 03 38.2–.45	32.85S	69.31W	130–3	4.8,4.7		
GCMT	IV	26 08 03 40.5–.20	32.89S	69.49W	141–1	5.3W,4.7		
DJA	IV	26 08 04 00.2–9.6	33S–40	69W–28	298–83	5.8b,5.4		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Mendoza, [III] at San Martin and [II] at San Luis. Also felt at San Juan and San Rafael. Felt [IV] at Melipilla, Santiago and Talagante; [III] at Valparaiso and Vina del Mar, Chile. Also felt at Colina, Coquimbo, Limache, Rancagua and Salamanca.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s72,c108; s90,c162; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s145.00000°,δ49.00000°,λ169.00000°. NP2:ϕ_s242.00000° ,δ82.00000°,λ42.00000°. Principal axes: T 1.3100,Plg34.0000°,Azm112.0000° ; N -0.0400,Plg48.0000°,Azm251.0000°; P -1.2700,Plg22.0000°,Azm7.0000° $M_0$1.30000×10^{17}

(207) Eastern New Guinea region

ISC	**IV**	**26 18 11 04.3–.28**	**5.58S–.03**	**147.51E–.04**	**195–2**	**4.9b**	**396**	**4-154**
BJI	IV	26 18 10 57.6	5.89S	148.08E	188	5.0b,5.0b		**¶15153967**
MOS	IV	26 18 11 03.5–.81	5.50S	147.50E	199	5.0b,5.0b		
ISCJB	IV	26 18 11 03.5–.68	5.50S–.03	147.49E–.03	198–6	4.8b,5.0b		
NEIC	IV	26 18 11 05.8–.79	5.56S	147.52E	211–7	4.9b,5.0b		
AUST	IV	26 18 11 05.7–.22	5.58S	147.44E	203–0	4.9b,5.0b		
DJA	IV	26 18 11 05.6–.60	6S–5.0	147E–5.0	186–11	5.7,5.3b		
IDC	IV	26 18 11 07.2–1.8	5.57S	147.47E	218–17	4.8,4.8		
GCMT	IV	26 18 11 07.5–.20	5.61S	147.47E	192–1	5.3W,4.8		

ISC Event type fe.
MOS Error ellipse: s-maj=9.4km s-min=6.1km az=102.4.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.5km az=0.9.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=4.8km az=67.0. Felt at Bulolo.
AUST Error ellipse: s-maj=0.7km s-min=0.6km az=228.0.
IDC Error ellipse: s-maj=8.9km s-min=6.1km az=97.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c74; s95,c159; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s231.00000°,δ34.00000°,λ25.00000°. NP2:ϕ_s120.00000° ,δ76.00000°,λ122.00000°. Principal axes: T 1.0800,Plg49.0000°,Azm64.0000° ; N -0.0500,Plg31.0000°,Azm291.0000°; P -1.0300,Plg25.0000°,Azm185.0000° $M_0$1.10000×10^{17}

(710) Pakistan

ISC	**IV**	**29 20 10 54.4–.38**	**36.58N–.04**	**70.99E–.05**	**225–3**	**4.2b**	**199**	**3-150**
MOS	IV	29 20 10 52.9–.71	36.56N	71.05E	221	4.3b		**¶13439196**
BJI	IV	29 20 10 53.5	36.85N	70.92E	214	4.6b,4.4b		
ISCJB	IV	29 20 10 53.2–.34	36.59N–.02	71.02E–.05	224–3	4.0b,4.4b		
IDC	IV	29 20 10 54.1–.64	36.48N	70.96E	221–5	4.0,3.9		
NEIC	IV	29 20 10 54.3–.30	36.60N	70.98E	222	4.7b,3.9		
NNC	IV	29 20 10 58.4–3.3	37.11N	70.86E	185–27	5.3,3.9b		

ISC Event type se.
MOS Error ellipse: s-maj=12.0km s-min=5.0km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.2km az=160.2.
IDC Error ellipse: s-maj=11.3km s-min=8.9km az=41.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.0km az=75.0.
NNC Error ellipse: s-maj=28.0km s-min=18.6km az=24.0.

(353) Southern Iran

ISC	**IV**	**30 10 04 27.3–.21**	**27.74N–.03**	**61.45E–.02**	**73–1**	**5.6b**	**1858**	**2-133**
PDG	IV	30 10 04 12.6	27.80N	61.50E	100	5.5b		**¶13439221**
BGS	IV	30 10 04 23.2–1.5	27.82N	61.49E	67	5.5b		
MOS	IV	30 10 04 24.8–.84	27.76N	61.42E	66	5.9b,4.1s		
ISCJB	IV	30 10 04 25.7–.29	27.70N–.02	61.43E–.01	76–2	5.5b,4.1s		
NEIC	IV	30 10 04 26.9–.18	27.74N	61.42E	69	5.7b,5.2W		
CSEM	IV	30 10 04 26.8–.08	27.72N	61.48E	69	5.5b,5.2W		
PDA	IV	30 10 04 27.3	27.75N	61.43E	70	5.2W,5.2W		
SFS	IV	30 10 04 27.0	27.70N	61.43E	70	5.2L,5.2W		
IDC	IV	30 10 04 27.1–.41	27.75N	61.50E	71–3	5.1,5.1		
BJI	IV	30 10 04 28.8	28.05N	61.51E	85	5.3b,5.3b		
GCMT	IV	30 10 04 28.9–.20	27.64N	61.37E	85–2	5.2W,5.3b		
THR	IV	30 10 04 29.8–.97	27.89N	61.15E	42–7	5.0L,5.3b		
TEH	IV	30 10 04 29.9	27.79N	61.39E	26	5.2L,5.3b		
SZGRF	IV	30 10 04 30.7	26.71N	58.97E	69	5.4b,5.3b		
DJA	IV	30 10 04 30.4–1.7	28N–10	62E–14	89–19	5.7b,5.2		
OMAN	IV	30 10 04 34.4–.09	27.03N	61.26E	78–8	5.7b,5.2		

ISC Event type ke.
PDG Event type ke.
BGS Error ellipse: s-maj=549.6km s-min=494.1km az=-1.0.
MOS Error ellipse: s-maj=4.6km s-min=2.8km az=119.3.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=179.7.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=190.0. Moment Tensor Solution. s12 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.84 $M_{\theta\theta}$5.90 $M_{\phi\phi}$-4.06 $M_{r\theta}$5.79 $M_{\theta\phi}$0.89 $M_{\phi r}$-0.29 Best double couple: NP1:ϕ_s40.00000°,δ30.00000°,λ-155.00000°. NP2:ϕ_s288.00000° ,δ78.00000°,λ-63.00000°. Principal axes: T 9.0300,Plg27.0000°,Azm356.0000° ; N -3.7200,Plg26.0000°,Azm102.0000°; P -5.3100,Plg49.0000°,Azm228.0000° $M_0$7.80000×10^{16}
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=161.0.
SFS Event type ke.
IDC Error ellipse: s-maj=9.4km s-min=7.1km az=3.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 87, comp=138, per= 50. Moment Tensor Solution. s67,c92; s2,c2; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.57±.18 $M_{\theta\theta}$3.82±.19; $M_{\phi\phi}$-2.26±.19; $M_{r\theta}$6.01±.11; $M_{\theta\phi}$3.61±.18; $M_{\phi r}$-0.43±.13; Best double couple: NP1:ϕ_s21.00000°,δ35.00000°,λ-167.00000°. NP2:ϕ_s280.00000°,δ83.00000°,λ-56.00000°. Principal axes: T 8.4700,Plg29.0000°,Azm343.0000°; N -1.6700,Plg34.0000°,Azm95.0000° ; P -6.8100,Plg42.0000°,Azm222.0000° $M_0$7.60000×10^{16}
THR Error ellipse: s-maj=8.1km s-min=19.4km az=-1.0.
SZGRF Southern Iran.
OMAN Error ellipse: s-maj=6.6km s-min=3.2km az=15.0.

(171) South of Fiji Islands

ISC	**V**	**02 14 58 28.5–.26**	**24.81S–.04**	**176.95W–.05**	**100–1**	**5.0b**	**615**	**5-168**
ISCJB	V	02 14 58 24.8–1.2	24.86S–.05	176.99W–.04	80–10	5.0b		**¶15154059**
NEIC	V	02 14 58 27.7–.20	24.78S	177.01W	95	5.0b		
AUST	V	02 14 58 28.8–.03	24.85S	176.71W	107–0	5.0b		
MOS	V	02 14 58 28.0–1.3	24.76S	177.10W	102	5.5b		
GCMT	V	02 14 58 28.3–.20	24.94S	176.76W	97–1	5.2W		
IDC	V	02 14 58 30.9–1.5	24.85S	177.15W	113–12	4.9,4.9		
SZGRF	V	02 14 58 31.3	23.93S	178.56W	33	4.9,4.9		
DJA	V	02 14 58 37.5–3.7	25S–7.0	177W–13	189–36	5.7b,5.2b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c120; s99,c167; Moment tensor: Scale 10^{16}Nm; M_{rr}3.21±.19 $M_{\theta\theta}$0.00±.22; $M_{\phi\phi}$-3.21±.19; $M_{r\theta}$-7.94±.12; $M_{\theta\phi}$-1.86±.20; $M_{\phi r}$-2.68±.12; Best double couple: NP1:ϕ_s3.00000°,δ18.00000°,λ29.00000°. NP2:ϕ_s245.00000°,δ81.00000°,λ106.00000°. Principal axes: T 9.7700,Plg51.0000° ,Azm173.0000°; N -1.3700,Plg16.0000°,Azm62.0000°; P -8.4100,Plg34.0000° ,Azm321.0000° $M_0$9.10000×10^{16}
SZGRF South of Fiji Islands.

(71) Near coast of Guatemala

ISC	**V**	**03 16 21 46.5–.23**	**14.62N–.03**	**91.19W–.03**	**115–1**	**5.6b**	**1870**	**0-160**
BGS	V	03 16 21 28.9–1.4	13.61N	91.34W	24	5.5b,5.3s		**¶13439296**
CASC	V	03 16 21 37.8–2.4	14.89N	91.80W	157–28	6.1L,5.6b		
MOS	V	03 16 21 43.9–1.0	14.66N	91.04W	106	5.6b,5.4s		
NEIC	V	03 16 21 45.3–.16	14.55N	91.14W	108	6.2W,6.2W		
IDC	V	03 16 21 46.6–.49	14.76N	90.94W	111–3	5.4s,5.4		
ISCJB	V	03 16 21 47.5–.33	14.59N–.02	91.16W–.02	142–2	5.4b,5.4		
GCMT	V	03 16 21 49.8–.10	14.56N	91.50W	90–0	6.3W,5.4		
MEX	V	03 16 21 51.1–.24	14.53N	91.89W	77–5	5.3,5.4		
SZGRF	V	03 16 21 57.4	14.93N	87.83W	123	6.0b,5.4		

ISC Event type fe.
BGS Error ellipse: s-maj=359.2km s-min=355.8km az=-1.0.
CASC Error ellipse: s-maj=39.6km s-min=28.2km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=89.7.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=33.0. Felt [V] at Atitlan, Chichicastenango and Petapa; [IV] at Antigua Guatemala, Chimaltenango, Guatemala, Quetzaltenango, San Jose, Villa Canales and Villa Nueva; [III] at Mixco and Panajachel. Felt in most of southern Guatemala. Felt [III] at San Salvador, El Salvador. Also felt at Concepcion de Ataco, Opico and Sonsonate. Felt [II] at Tegucigalpa, Honduras. Also felt at Tapachula, Mexico. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ85.00000°,λ90.00000°. NP2: ϕ_s315.00000°,δ5.00000°,λ90.00000°. Principal axes: T Plg50.0000°,Azm45.0000° ; N Plg0.0000°,Azm0.0000°; P Plg40.0000°,Azm225.0000° Moment Tensor Solution. s68 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.23 $M_{\theta\theta}$0.44 $M_{\phi\phi}$-0.22 $M_{r\theta}$1.65 $M_{\theta\phi}$-0.16 $M_{\phi r}$-1.68 Best double couple: NP1:ϕ_s66.00000°,δ9.00000°,λ-159.00000°. NP2:ϕ_s315.00000° ,δ87.00000°,λ-82.00000°. Principal axes: T 2.4100,Plg41.0000°,Azm37.0000° ; N -0.0500,Plg7.0000°,Azm134.0000°; P -2.3700,Plg47.0000°,Azm233.0000° $M_0$2.40000×10^{18} Moment Tensor Solution. $M_0$4.70000×10^{18}
IDC Error ellipse: s-maj=9.6km s-min=5.5km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=33.9.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=104, comp=241, per= 50. Moment Tensor Solution. s116,c281; s91,c147; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.10±.02 $M_{\theta\theta}$1.34±.02; $M_{\phi\phi}$-0.24±.03; $M_{r\theta}$1.99±.02; $M_{\theta\phi}$-1.31±.02; $M_{\phi r}$-1.90±.02; Best double couple: NP1:ϕ_s89.00000°,δ19.00000°,λ-134.00000°. NP2:ϕ_s316.00000°,δ76.00000°,λ-76.00000°. Principal axes: T 3.6200,Plg30.0000°,Azm34.0000°; N -0.8100,Plg13.0000°,Azm132.0000° ; P -2.8100,Plg57.0000°,Azm244.0000° $M_0$3.20000×10^{18}
MEX Error ellipse: s-maj=6.4km s-min=6.0km az=-1.0.
SZGRF Honduras.

(193) Bougainville - Solomon Islands region

ISC	**V**	**04 09 06 24.6–.27**	**10.31S–.04**	**161.59E–.04**	**82–1**	**5.0b**	**310**	**2-160**
ISCJB	V	04 09 06 23.7–.67	10.22S–.03	161.51E–.03	85–6	4.9b		**¶15154104**
MOS	V	04 09 06 23.8–.90	10.25S	161.42E	87	5.3s,5.2b		
IDC	V	04 09 06 23.8–.47	10.26S	161.43E	74–3	4.7,4.7		
BJI	V	04 09 06 23.7	10.05S	161.86E	92	5.0b,4.9b		
NEIC	V	04 09 06 23.6–.21	10.21S	161.53E	72	5.1b,4.9b		
GCMT	V	04 09 06 25.6–.20	10.20S	161.43E	62–2	5.1W,4.9b		
AUST	V	04 09 06 26.9	10.27S	161.48E	100	5.1W,4.9b		
DJA	V	04 09 06 30.3–1.1	10S–5.0	162E–6.0	126–13	5.6b,5.2b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Honiara.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s47,c65; s83,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}2.95±.20 $M_{\theta\theta}$0.01±.15; $M_{\phi\phi}$-2.96±.15; $M_{r\theta}$-0.74±.11; $M_{\theta\phi}$3.60±.13; $M_{\phi r}$-4.08±.11; Best double couple: NP1:ϕ_s292.00000°,δ39.00000°,λ29.00000°. NP2:ϕ_s179.00000°,δ72.00000°,λ125.00000°. Principal axes: T 6.0300,Plg50.0000° ,Azm128.0000°; N 0.3900,Plg33.0000°,Azm346.0000°; P -6.4200,Plg19.0000° ,Azm243.0000° $M_0$6.20000×10^{16}

(280) Banda Sea

ISC	**V**	**04 09 39 23.0–.44**	**6.38S–.04**	**130.30E–.06**	**90**	**4.2b**	**61**	**3-151**
NEIC	V	04 09 39 19.1–1.6	6.18S	130.34E	54–14	4.4b		**¶15154107**
IDC	V	04 09 39 20.4–4.2	6.22S	130.31E	65–39	4.7L,4.2		
ISCJB	V	04 09 39 22.2–.31	6.33S–.03	130.29E–.04	90	4.1b,4.2		
AUST	V	04 09 39 24.9	6.48S	130.54E	60	4.1b,4.2		
DJA	V	04 09 39 27.2–.30	6S–3.0	130E–4.0	108–11	5.6b,5.1		

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

(192) New Britain region

ISC	**V**	**05 22 26 08.2–.24**	**4.82S–.03**	**151.84E–.04**	**115–1**	**5.2b**	**659**	**7-157**
BJI	V	05 22 26 01.9	5.02S	152.52E	108	5.1b,5.0b		**¶15154123**
ISCJB	V	05 22 26 07.9–.81	4.83S–.03	151.79E–.03	124–7	5.2b,5.0b		
MOS	V	05 22 26 07.1–.96	4.73S	151.76E	114	5.2b,5.0b		
AUST	V	05 22 26 07.6–.76	4.82S	151.92E	115–0	5.2b,5.0b		
IDC	V	05 22 26 07.9–.51	4.81S	151.77E	111–3	4.9,4.9		

NEIC	V	05 22 26 07.3–.14	4.79S	151.77E	107	5.4W,5.2b
GCMT	V	05 22 26 10.6–.10	4.93S	151.72E	108–1	5.4W,5.2b
DJA	V	05 22 26 13.3–.70	5S–4.0	152E–5.0	156–6	6.1,5.8b

ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}0.43 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-0.24 $M_{r\theta}$-1.10 $M_{\theta\phi}$0.20 $M_{\phi r}$0.70 Best double couple: NP1:ϕ_s303.00000°,δ81.00000°,λ86.00000°. NP2:ϕ_s150.00000°,δ10.00000°,λ116.00000°. Principal axes: T 1.3900,Plg53.0000°,Azm208.0000°; N -0.0500,Plg4.0000°,Azm304.0000° ; P -1.3500,Plg36.0000°,Azm37.0000° $M_0$1.40000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=184, per= 50. Moment Tensor Solution. s91,c152; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}0.23±.03 $M_{\theta\theta}$-0.46±.03; $M_{\theta\phi}$0.23±.03; $M_{r\theta}$-1.14±.02; $M_{\theta\phi}$-0.04±.03; $M_{\phi r}$0.80±.02; Best double couple: NP1:ϕ_s52.00000°,δ14.00000°,λ19.00000°. NP2:ϕ_s304.00000°,δ85.00000°,λ103.00000°. Principal axes: T 1.4600,Plg48.0000°,Azm228.0000°; N -0.0200,Plg13.0000°,Azm123.0000° ; P -1.4400,Plg39.0000°,Azm22.0000° $M_0$1.50000×10^{17}

(189) Southeast of Loyalty Islands

ISC	**V**	**06 12 54 04.9–.83**	**22.34S–.06**	**170.72E–.05**	**68–7**	**4.9b**	**297**	**4-166**
IDC	V	06 12 53 56.2–.53	22.20S	170.76E	0	4.7,4.6		¶13568537
DJA	V	06 12 53 57.2–8.7	22S–16	171E–23	19–58	5.6b,5.1		
SZGRF	V	06 12 53 59.5	22.50S	172.59E	33	5.6b,5.1		
NOU	V	06 12 53 59.2–.88	20.28S	170.46E	30	3.5,2.9L		
MOS	V	06 12 54 00.9–1.9	22.38S	170.71E	33	5.2b,2.9L		
ISCJB	V	06 12 54 01.2–.98	22.37S–.05	170.69E–.05	43–8	4.8b,4.3s		
NEIC	V	06 12 54 01.5–.33	22.32S	170.86E	35	5.0b,4.3s		
BGS	V	06 12 54 02.8–4.5	22.32S	170.86E	33	5.0b,4.3s		
GCMT	V	06 12 54 04.0–.30	22.61S	170.78E	29–0	5.1W,4.3s		
BJI	V	06 12 54 08.8	21.93S	170.84E	93	5.0b,4.7b		

ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=14.3km az=155.0.
SZGRF Southeast of Loyalty Islands.
NOU Error ellipse: s-maj=47.2km s-min=26.3km az=-1.0.
MOS Error ellipse: s-maj=10.4km s-min=9.2km az=171.1.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=7.2km az=176.3.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.3km az=152.0.
BGS Error ellipse: s-maj=462.1km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s42,c52; s68,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}4.87±.22 $M_{\theta\theta}$-4.24±.16; $M_{\phi\phi}$-0.63±.15; $M_{r\theta}$2.95±.23; $M_{\theta\phi}$1.43±.11; $M_{\phi r}$-0.02±.21; Best double couple: NP1:ϕ_s298.00000°,δ31.00000°,λ106.00000°. NP2:ϕ_s100.00000°,δ61.00000°,λ81.00000°. Principal axes: T 5.7700,Plg73.0000° ,Azm348.0000°; N -0.2600,Plg8.0000°,Azm104.0000°; P -5.5000,Plg15.0000° ,Azm196.0000° $M_0$5.60000×10^{16}

(277) Jawa

ISC	**V**	**07 07 03 36.1–.41**	**8.06S–.05**	**109.08E–.04**	**83–2**	**4.6b**	**260**	**0-156**
MOS	V	07 07 03 32.1–.94	7.86S	109.15E	63	4.9b		¶12824808
IDC	V	07 07 03 33.2–2.4	7.92S	109.08E	56–21	4.3,4.3		
DJA	V	07 07 03 34.3–.60	8S–3.0	109E–1.0	25–5	6.3,5.7b		
BJI	V	07 07 03 34.2	8.10S	109.00E	79	5.1b,4.8b		
ISCJB	V	07 07 03 35.2–.35	8.06S–.04	109.11E–.03	95–2	4.5b,4.8b		
NEIC	V	07 07 03 37.5–1.1	7.99S	109.04E	96–9	4.4b,4.8b		

ISC Event type fe.
MOS Error ellipse: s-maj=13.4km s-min=7.3km az=112.6.
IDC Error ellipse: s-maj=15.5km s-min=10.6km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=3.6km az=22.9.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=5.3km az=54.0. Felt [III] at Cilacap.

(137) San Juan Province

ISC	**V**	**08 13 44 53.8–.23**	**32.02S–.03**	**69.72W–.04**	**114–1**	**5.6b**	**738**	**1-178**
ISCJB	V	08 13 44 51.0–.32	31.92S–.03	69.60W–.03	96–3	5.6b		¶12784565
BJI	V	08 13 44 51.0	31.90S	69.40W	87	5.4s,5.1b		
MOS	V	08 13 44 51.3–1.1	31.92S	69.65W	97	5.6b,5.1b		
GUC	V	08 13 44 52.5–.59	32.04S	69.93W	127–10	5.5L,5.1b		
NEIC	V	08 13 44 53.5–.14	32.06S	69.68W	112	5.6b,5.6		
IDC	V	08 13 44 54.0–.34	32.02S	69.68W	111–2	5.2,5.2		
GCMT	V	08 13 44 57.1–.20	32.02S	69.68W	110–1	5.4W,5.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=4.6km az=156.0.
MOS Error ellipse: s-maj=11.1km s-min=5.8km az=94.0.
GUC Error ellipse: s-maj=4.6km s-min=9.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.6km az=89.0. Felt [V] at Barreal and Uspallata; [IV] at Mendoza and San Juan. Felt [III] at Combarbala, Ovalle, Rancagua, San Antonio, San Felipe, Santiago and Valparaiso; [II] at Hijuelas, Hurtado, Illapel, La Calera and Quillota, Chile. Also felt at Copiapo, Limache and Vina del Mar. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$1.08 $M_{r\theta}$-0.65 $M_{\theta\phi}$0.29 $M_{\phi r}$-0.88 Best double couple: NP1:ϕ_s172.00000°,δ26.00000°,λ-126.00000°. NP2:ϕ_s31.00000° ,δ69.00000°,λ-74.00000°. Principal axes: T 1.5700,Plg22.0000°,Azm108.0000° ; N -0.0900,Plg14.0000°,Azm204.0000°; P -1.4700,Plg62.0000°,Azm325.0000° $M_0$1.50000×10^{17}
IDC Error ellipse: s-maj=8.5km s-min=6.8km az=158.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 82, comp=147, per= 50. Moment Tensor Solution. s82,c122; s5,c7; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15±.02 $M_{\theta\theta}$0.02±.02; $M_{\theta\phi}$1.13±.03; $M_{r\theta}$-0.39±.02; $M_{\theta\phi}$0.70±.02; $M_{\phi r}$0.15±.02; Best double couple: NP1:ϕ_s185.00000°,δ48.00000°,λ-121.00000°. NP2:ϕ_s47.00000°,δ50.00000°,λ-60.00000°. Principal axes: T 1.4700,Plg1.0000°,Azm116.0000°; N -0.1500,Plg22.0000°,Azm206.0000° ; P -1.3200,Plg68.0000°,Azm24.0000° $M_0$1.40000×10^{17}

(192) New Britain region

ISC	**V**	**12 01 26 27.7–.19**	**5.70S–.02**	**149.57E–.03**	**99–1**	**5.8b**	**1135**	**4-155**
BJI	V	12 01 26 20.5	6.42S	149.90E	96	6.1b,6.0b		¶15154280
ISCJB	V	12 01 26 26.4–.57	5.68S–.02	149.54E–.02	98–5	5.8b,6.0b		
NEIC	V	12 01 26 26.6–.13	5.66S	149.54E	89	6.1W,6.1W		
IDC	V	12 01 26 27.1–.34	5.67S	149.47E	96–2	5.5,5.5		
AUST	V	12 01 26 27.7–.25	5.75S	149.57E	93–0	5.5,5.5		
MOS	V	12 01 26 28.0–1.0	5.68S	149.53E	111	5.8b,5.6s		
GCMT	V	12 01 26 31.7–.10	5.83S	149.62E	91–0	6.1W,5.6s		
DJA	V	12 01 26 33.1–.60	6S–3.0	150E–4.0	145–6	6.9,6.3b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Kimbe and Port Moresby. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s32.00000°,δ88.00000°,λ-90.00000°. NP2:ϕ_s212.00000°,δ2.00000°,λ-90.00000°. Principal axes: T Plg43.0000°,Azm122.0000° ; N Plg0.0000°,Azm0.0000°; P Plg47.0000°,Azm302.0000° Moment Tensor Solution. s33 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.29 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-0.17 $M_{r\theta}$-1.02 $M_{\theta\phi}$-0.06 $M_{\phi r}$-1.02 Best double couple: NP1:ϕ_s300.00000°,δ13.00000°,λ-18.00000°. NP2:ϕ_s48.00000° ,δ86.00000°,λ-103.00000°. Principal axes: T 1.4000,Plg39.0000°,Azm149.0000° ; N 0.1800,Plg12.0000°,Azm49.0000°; P -1.5800,Plg47.0000°,Azm304.0000° $M_0$1.50000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=113, comp=265, per= 50. Moment Tensor Solution. s113,c269; s73,c104; Moment tensor: Scale 10^{18}Nm; M_{rr}0.07±.01 $M_{\theta\theta}$0.37±.01; $M_{\phi\phi}$-0.44±.01; $M_{r\theta}$-1.19±.01; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$-1.17±.01; Best double couple: NP1:ϕ_s328.00000°,δ14.00000°,λ11.00000°. NP2:ϕ_s227.00000°,δ87.00000°,λ104.00000°. Principal axes: T 1.6300,Plg46.0000°,Azm152.0000°; N 0.2100,Plg14.0000°,Azm47.0000° ; P -1.8300,Plg41.0000°,Azm304.0000° $M_0$1.70000×10^{18}

(192) New Britain region

ISC	**V**	**12 16 01 44.4–.30**	**4.67S–.03**	**152.95E–.04**	**81–1**	**5.2b**	**622**	**7-158**
IDC	V	12 16 01 37.3–1.7	4.60S	152.89E	21–9	5.0,5.0		¶15154271
MOS	V	12 16 01 38.2–.93	4.44S	152.85E	33	5.4b,4.6s		
ISCJB	V	12 16 01 40.5–.72	4.63S–.03	152.96E–.04	64–6	5.2b,4.6s		
BJI	V	12 16 01 42.1	4.37S	153.24E	80	5.3b,5.2b		
NEIC	V	12 16 01 43.6–.87	4.64S	152.89E	76–7	5.4W,5.1b		
AUST	V	12 16 01 43.4–.27	4.61S	153.03E	81–0	5.4W,5.1b		
GCMT	V	12 16 01 44.8–.10	4.82S	152.88E	58–0	5.3W,5.1b		
DJA	V	12 16 01 48.9–1.9	5S–10	153E–11	183–25	5.5b,5.4b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Rabaul. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$-0.53 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.02 Best double couple: NP1:ϕ_s67.00000° ,δ56.00000°,λ101.00000°. NP2:ϕ_s228.00000°,δ35.00000°,λ74.00000°. Principal axes: T 1.6100,Plg76.0000°,Azm10.0000°; N -0.2600,Plg8.0000°,Azm240.0000° ; P -1.3500,Plg10.0000°,Azm149.0000° $M_0$1.50000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s90,c147; s81,c143; Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$-1.25±.02; $M_{\phi\phi}$0.11±.02; $M_{r\theta}$0.33±.02; $M_{\theta\phi}$-0.25±.02; $M_{\phi r}$0.10±.02; Best double couple: NP1:ϕ_s263.00000°,δ37.00000°,λ94.00000°. NP2:ϕ_s78.00000°,δ53.00000°,λ87.00000°. Principal axes: T 1.1900,Plg82.0000° ,Azm333.0000°; N 0.1500,Plg2.0000°,Azm79.0000°; P -1.3400,Plg8.0000°,Azm170.0000° $M_0$1.30000×10^{17}

(193) Bougainville - Solomon Islands region

ISC	**V**	**13 01 15 21.5–.28**	**6.34S–.03**	**155.00E–.04**	**95–2**	**5.2b**	**709**	**6-164**
MOS	V	13 01 15 18.1–.96	6.26S	154.89E	68	5.5b,4.1s		¶15154290
ISCJB	V	13 01 15 18.8–.80	6.32S–.03	154.96E–.03	79–7	5.2b,4.1s		
BJI	V	13 01 15 19.3	6.15S	155.08E	87	5.2b,5.0b		
GCMT	V	13 01 15 19.7–.20	6.56S	154.98E	58–0	5.1W,5.0b		
AUST	V	13 01 15 20.2–.37	6.30S	155.06E	80–0	5.1W,5.0b		
IDC	V	13 01 15 21.0–2.1	6.40S	154.91E	88–18	5.1,5.1		
DJA	V	13 01 15 21.1–.90	6S–5.0	155E–5.0	70–12	5.7b,5.4b		
NEIC	V	13 01 15 21.6–.73	6.40S	154.93E	94–6	5.2b,5.4b		

ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=6.1km az=86.9.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.4km az=179.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c97; s74,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}6.06±.16 $M_{\theta\theta}$-3.29±.13; $M_{\phi\phi}$-2.77±.14; $M_{r\theta}$-1.05±.12; $M_{\theta\phi}$3.53±.11; $M_{\phi r}$0.17±.11; Best double couple: NP1:ϕ_s139.00000°,δ41.00000°,λ99.00000°. NP2:ϕ_s307.00000°,δ49.00000°,λ82.00000°. Principal axes: T 6.1800,Plg83.0000° ,Azm167.0000°; N 0.4500,Plg6.0000°,Azm312.0000°; P -6.6300,Plg4.0000°,Azm43.0000° $M_0$6.40000×10^{16}
AUST Error ellipse: s-maj=0.8km s-min=0.7km az=36.0.
IDC Error ellipse: s-maj=11.5km s-min=9.0km az=85.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=4.1km az=130.0.

(263) Talaud Islands

ISC	**V**	**13 08 54 58.5–.35**	**4.46N–.03**	**126.94E–.04**	**72–2**	**5.3b**	**755**	**3-169**
MOS	V	13 08 54 52.2–1.0	4.43N	126.92E	33	5.7b,5.1s		¶15154291
IDC	V	13 08 54 52.3–2.1	4.41N	126.90E	23–13	5.0,5.0		
NEIC	V	13 08 54 54.0–.11	4.43N	126.93E	35	5.6W,5.3b		
MAN	V	13 08 54 55	4.12N	126.61E	14	6.1b,5.7s		
BJI	V	13 08 54 55.7	4.09N	126.92E	92	5.3b,5.2b		
ISCJB	V	13 08 54 56.8–.36	4.40N–.02	127.01E–.02	75–3	5.2b,5.2b		
AUST	V	13 08 54 56.4–.16	4.41N	127.17E	54–0	5.2b,5.2b		
GCMT	V	13 08 54 57.9–.10	4.48N	126.95E	25–0	5.7W,5.2b		
TEH	V	13 08 54 58.0	4.41N	126.87E	73	5.3L,5.2b		
DJA	V	13 08 54 59.4–.40	4N–3.0	127E–2.0	68–4	5.9,5.8b		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.82 $M_{r\theta}$0.14 $M_{\theta\phi}$1.39 $M_{\phi r}$2.32 Best double couple: NP1:ϕ_s350.00000° ,δ74.00000°,λ117.00000°. NP2:ϕ_s108.00000°,δ32.00000°,λ32.00000°. Principal axes: T 3.1200,Plg53.0000°,Azm292.0000°; N -0.2600,Plg26.0000°,Azm161.0000° ; P -2.8500,Plg23.0000°,Azm59.0000° $M_0$3.00000×10^{17}
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=198, per= 50. Moment Tensor Solution. s88,c150; s18,c18; Moment tensor: Scale 10^{17}Nm; M_{rr}0.34±.03 $M_{\theta\theta}$0.14±.03; $M_{\phi\phi}$-0.48±.03; $M_{r\theta}$0.62±.06; $M_{\theta\phi}$-0.36±.02; $M_{\phi r}$5.20±.11; Best double couple: NP1:ϕ_s238.00000°,δ4.00000°,λ141.00000°. NP2:ϕ_s7.00000°,δ88.00000°,λ87.00000°. Principal axes: T 5.1600,Plg47.0000°,Azm274.0000°; N 0.2200,Plg3.0000°,Azm7.0000° ; P -5.3700,Plg42.0000°,Azm100.0000° $M_0$5.30000×10^{17}

(173) Tonga Islands

ISC	**V**	**13 21 31 17.9–.25**	**15.77S–.04**	**173.40W–.04**	**88–1**	**5.2b**	**890**	**2-175**
PDG	V	13 21 31 13.5	15.60S	173.40W	80	5.2b		¶12821480
DJA	V	13 21 31 13.5–3.0	16S–9.0	173W–8.0	44–28	5.7b,5.3		
MOS	V	13 21 31 14.6–.97	15.73S	173.42W	61	5.7b,5.3		
ISCJB	V	13 21 31 17.0–.15	15.74S–.04	173.47W–.03	88	5.1b,5.3		
IDC	V	13 21 31 16.1–2.1	15.80S	173.41W	68–18	5.0,5.0		
NEIC	V	13 21 31 18.0–.10	15.75S	173.49W	85	5.8W,5.7W		
SZGRF	V	13 21 31 17.8	16.40S	174.90W	89	5.8W,5.7W		
BJI	V	13 21 31 17.5	15.42S	173.25W	84	5.3s,5.3b		
GCMT	V	13 21 31 21.9–.10	15.76S	172.93W	102–0	5.8W,5.3b		

ISC Event type fe.
PDG Event type ke.
MOS Error ellipse: s-maj=9.6km s-min=6.8km az=61.3.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.0km az=145.8.
IDC Error ellipse: s-maj=12.0km s-min=9.0km az=117.0.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.1km az=140.0. Felt at Apia, Samoa and at Pago Pago and Utulei, American Samoa. Moment Tensor Solution. s56 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.01 $M_{\theta\theta}$1.90 $M_{\phi\phi}$2.11 $M_{r\theta}$0.97 $M_{\theta\phi}$-0.19 $M_{\phi r}$3.91 Best double couple: NP1: ϕ_s190.00000°,δ72.00000°,λ-87.00000°. NP2:ϕ_s0.00000°,δ19.00000°,λ-100.00000°. Principal axes: T 4.0500,Plg26.0000°,Azm277.0000°; N 1.9900,Plg3.0000°,Azm9.0000° ; P -6.0300,Plg63.0000°,Azm105.0000° $M_0$5.30000×10^{17}
SZGRF Tonga Islands.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=249, per= 50. Moment Tensor Solution. s106,c240; s47,c55; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.37±.05 $M_{\theta\theta}$-1.19±.06; $M_{\phi\phi}$4.56±.06; $M_{r\theta}$1.11±.04; $M_{\theta\phi}$-0.62±.06; $M_{\phi r}$4.18±.04; Best double couple: NP1:ϕ_s331.00000°,δ26.00000°,λ-127.00000°. NP2:ϕ_s191.00000°,δ70.00000°,λ-74.00000°. Principal axes: T 6.3600,Plg23.0000°,Azm269.0000°; N -0.8200,Plg15.0000°,Azm6.0000° ; P -5.5400,Plg62.0000°,Azm126.0000° $M_0$6.00000×10^{17}

(369) Dodecanese Islands

ISC	**V**	**14 09 13 41.9–.31**	**36.03N–.03**	**27.04E–.02**	**115–2**	**4.8b**	**1502**	**0-118**
BJI	V	14 09 13 35.7	36.00N	26.30E	107	5.1b,4.9b		¶12824902
HLW	V	14 09 13 36.7	36.20N	27.25E	33–19	4.7,4.4L		
NSSC	V	14 09 13 37.4–1.2	36.10N	27.33E	0–168	4.5L,4.4L		
DJA	V	14 09 13 37.3–3.5	36N–14	27E–20	54–24	5.8b,5.3		
PDG	V	14 09 13 38.6–.80	35.95N	27.14E	148–5	5.0L,5.3		
ISCJB	V	14 09 13 39.9–.11	35.96N–.01	27.06E–.01	116–1	4.8b,5.3		
ISK	V	14 09 13 39.5	35.87N	26.98E	89	4.8L,5.3		
CSEM	V	14 09 13 40.9–.06	35.95N	27.07E	116–0	4.7b,4.4W		
MOS	V	14 09 13 41.9–.94	36.09N	26.94E	129	5.0b,4.4W		
GCMT	V	14 09 13 41.3–.40	35.82N	26.95E	120–4	4.8W,4.4W		
IDC	V	14 09 13 42.3–.62	36.22N	27.01E	114–4	4.6,4.5		
NEIC	V	14 09 13 42.4	36.09N	27.00E	96	5.1b,4.5		
ATH	V	14 09 13 42.4	36.09N	27.00E	96–1	4.7L,4.5		
DDA	V	14 09 13 42.6	36.15N	27.17E	35	4.7L,4.5		
THE	V	14 09 13 44.6	36.02N	26.97E	96–2	4.8L,4.5		
NIC	V	14 09 13 44.6–.20	36.16N	27.50E	37	4.9b,4.6L		
BGS	V	14 09 13 50.3–2.2	38.17N	26.25E	33	4.7b,4.6L		

ISC Event type ke.
NSSC Error ellipse: s-maj=43.1km s-min=303.1km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=2.0km s-min=2.5km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=21.9.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=26.0.
MOS Error ellipse: s-maj=5.2km s-min=2.6km az=115.9.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s20,c21; s70,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.64±.10 $M_{\theta\theta}$0.26±.13; $M_{\phi\phi}$1.38±.14; $M_{r\theta}$0.94±.08; $M_{\theta\phi}$1.19±.12; $M_{\phi r}$0.83±.09; Best double couple: NP1:ϕ_s18.00000°,δ30.00000°,λ-112.00000°. NP2:ϕ_s223.00000°,δ62.00000°,λ-78.00000°. Principal axes: T 2.4900,Plg16.0000° ,Azm304.0000°; N -0.4300,Plg11.0000°,Azm38.0000°; P -2.0600,Plg70.0000° ,Azm160.0000° $M_0$2.30000×10^{16}
IDC Error ellipse: s-maj=9.6km s-min=8.4km az=136.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=132.0.
NIC Moment Tensor Solution. $M_0$6.60000×10^{14}
BGS Error ellipse: s-maj=201.4km s-min=176.8km az=-1.0.

(173) Tonga Islands

ISC	**V**	**17 06 23 03.9–.31**	**16.97S–.04**	**173.26W–.04**	**74–2**	**5.4b**	**901**	**3-174**
DJA	V	17 06 22 57.3–.40	17S–9.0	174W–8.0	10	5.9b,5.5		¶15154368
BJI	V	17 06 22 59.9	16.80S	173.50W	35	5.3b,5.1s		
MOS	V	17 06 22 59.1–1.5	16.78S	173.47W	33	5.6b,4.5s		
ISCJB	V	17 06 23 03.3–.11	16.80S–.03	173.54W–.03	78	5.2b,4.5s		
AUST	V	17 06 23 03.8	17.00S	172.80W	100	5.2b,4.5s		
NEIC	V	17 06 23 03.5–.10	16.83S	173.49W	67	5.6W,5.6W		
IDC	V	17 06 23 04.5–.46	16.86S	173.51W	74–3	5.0,4.9		
GCMT	V	17 06 23 08.0–.10	16.86S	173.07W	73–1	5.5W,4.9		

ISC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=6.1km az=55.9.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.8km az=42.7.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.0km az=140.0. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.66 $M_{\theta\theta}$1.79 $M_{\phi\phi}$-0.12 $M_{r\theta}$-0.61 $M_{\theta\phi}$-1.06 $M_{\phi r}$2.00

Best double couple: NP1:ϕ_s145.00000°,δ70.00000°,λ-61.00000°. NP2:ϕ_s267.00000°,δ35.00000°,λ-144.00000°. Principal axes: T 2.7700,Plg20.0000°,Azm213.0000°; N 0.2700,Plg27.0000°,Azm314.0000°; P -3.0400,Plg55.0000°,Azm92.0000° $M_0$2.90000×10^{17}

IDC Error ellipse: s-maj=12.9km s-min=8.7km az=147.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=193, per= 50. Moment Tensor Solution. s100,c180; s26,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.25±.04 $M_{\theta\theta}$1.03±.04; $M_{\phi\phi}$0.22±.04; $M_{r\theta}$-0.72±.03; $M_{\theta\phi}$-1.33±.03; $M_{\phi r}$1.78±.03; Best double couple: NP1:ϕ_s275.00000°,δ30.00000°,λ-144.00000°. NP2:ϕ_s153.00000°,δ73.00000°,λ-65.00000°. Principal axes: T 2.7400,Plg24.0000°,Azm224.0000°; N -0.2900,Plg24.0000°,Azm325.0000°; P -2.4500,Plg55.0000°,Azm95.0000° $M_0$2.60000×10^{17}

(221) Kuril Islands

ISC	**V**	**18 22 04 38.1–.69**	**44.17N–.05**	**147.90E–.05**	**89–5**	**4.2b**	**196**	**1-149**
ISCJB	V	18 22 04 37.8–.52	44.20N–.04	147.83E–.06	98–3	4.2b		**¶13439698**
BJI	V	18 22 04 37.4	44.52N	148.17E	112	4.9b,4.4b		
IDC	V	18 22 04 38.7–2.0	44.30N	147.74E	91–18	4.1,4.1		
MOS	V	18 22 04 38.0–1.4	44.31N	147.77E	105	4.4b,4.1		
NEIC	V	18 22 04 38.6–.76	44.29N	147.80E	90–7	4.4b,4.1		
SKHL	V	18 22 04 40.1–1.4	44.17N	147.81E	81–30	6.1s,6.1b		
JMA	V	18 22 04 40.2–.20	43.95N	147.80E	85	4.6,6.1b		

ISC Event type se.

ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.5km az=136.1.

IDC Error ellipse: s-maj=14.5km s-min=11.7km az=128.0.

MOS Error ellipse: s-maj=9.6km s-min=7.2km az=101.3.

NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=6.4km az=141.0. Recorded [1 JMA] in eastern Hokkaido.

JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

(221) Kuril Islands

ISC	**V**	**21 12 19 16.0–1.0**	**44.21N–.06**	**148.32E–.07**	**67–8**	**3.8b**	**71**	**1-115**
NIED	V	21 12 19 00	44.10N	148.20E	83	3.8W		**¶13679365**
IDC	V	21 12 19 17.4–2.5	44.41N	148.07E	78–23	3.7,3.6		
ISCJB	V	21 12 19 17.1–.75	44.29N–.05	148.16E–.08	96–6	3.7b,3.6		
MOS	V	21 12 19 17.3–1.3	44.34N	148.11E	100	4.4b,3.6		
JMA	V	21 12 19 18.8–.30	44.12N	148.16E	86	4.6,3.6		
SKHL	V	21 12 19 19.4–.70	44.34N	148.14E	82–1	5.8s,5.1b		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s157.00000°,δ55.00000°,λ-102.00000°. NP2:ϕ_s358.00000°,δ36.00000°,λ-73.00000°. $M_0$6.58000×10^{14}

IDC Error ellipse: s-maj=20.5km s-min=14.8km az=136.0.

ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=5.8km az=38.6.

MOS Error ellipse: s-maj=13.9km s-min=9.5km az=57.0.

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

(324) Kashmir-Xinjiang border region

ISC	**V**	**21 12 33 55.0–.22**	**36.22N–.03**	**77.50E–.02**	**94–1**	**5.4b**	**1168**	**4-155**
SZGRF	V	21 12 33 49.8	36.64N	77.70E	33	5.4b,3.7s		**¶13193068**
NNC	V	21 12 33 50.5–4.2	35.84N	77.24E	104–34	5.7,4.9b		
LDG	V	21 12 33 52.4–.19	36.11N	77.66E	102	5.6b,3.5s		
ISCJB	V	21 12 33 52.3–.28	36.24N–.01	77.52E–.02	82–2	5.3b,3.5s		
MOS	V	21 12 33 53.5–.88	36.25N	77.51E	93	5.5b,3.5s		
BJI	V	21 12 33 54.3	36.37N	77.72E	89	5.2b,5.1b		
BGS	V	21 12 33 54.4–1.3	36.22N	77.80E	100	5.3b,5.1b		
TEH	V	21 12 33 54.0	36.21N	77.49E	84	5.4L,5.1b		
DJA	V	21 12 33 55.0–1.1	36N–8.0	78E–7.0	73–16	6.4,5.8		
NEIC	V	21 12 33 55.7–.10	36.27N	77.54E	99	5.5b,5.8		
IDC	V	21 12 33 55.8–.36	36.30N	77.54E	98–2	5.0,5.0		
GCMT	V	21 12 33 58.2–.20	36.28N	77.62E	114–1	5.1W,5.0		

ISC Event type ke.

SZGRF Kashmir-Xinjiang border region.

NNC Error ellipse: s-maj=48.0km s-min=29.5km az=88.0.

LDG Event type ke. Error ellipse: s-maj=11.6km s-min=6.7km az=59.0.

ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=36.1.

MOS Error ellipse: s-maj=5.6km s-min=2.8km az=121.8.

BGS Error ellipse: s-maj=327.0km s-min=447.1km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.2km az=23.0.

IDC Error ellipse: s-maj=8.9km s-min=6.7km az=34.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s51,c61; s87,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}4.88±.11 $M_{\theta\theta}$-5.85±.14; $M_{\phi\phi}$0.97±.14; $M_{r\theta}$0.55±.14; $M_{\theta\phi}$-0.59±.14; $M_{\phi r}$-0.89±.11; Best double couple: NP1:ϕ_s252.00000°,δ44.00000°,λ71.00000°. NP2:ϕ_s97.00000°,δ49.00000°,λ107.00000°. Principal axes: T 5.1100,Plg77.0000°,Azm74.0000°; N 0.8100,Plg13.0000°,Azm266.0000°; P -5.9200,Plg3.0000°,Azm175.0000° $M_0$5.50000×10^{16}

(706) Northern Sumatera

ISC	**V**	**24 02 15 35.6–.99**	**0.5N–.10**	**100.6E–.10**	**231–11**	**3.8b**	**19**	**1-142**
DJA	V	24 02 15 32.4–.50	0N–11	101E–8.0	271–10	6.1b,5.8		**¶13679515**
ISCJB	V	24 02 15 34.7–.55	0.4N–.10	100.58E–.10	236–7	3.9b,5.8		
IDC	V	24 02 15 42.3–8.8	0.25N	100.42E	316–88	3.4,3.3		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=21.0km s-min=11.2km az=37.2.

IDC Error ellipse: s-maj=46.1km s-min=15.5km az=74.0.

(274) Southern Sumatera

ISC	**V**	**25 01 57 37.1–.47**	**1.21S–.06**	**100.19E–.08**	**86**	**4.2b**	**70**	**1-146**
ISCJB	V	25 01 57 35.8–.41	1.22S–.05	100.21E–.07	86	4.1b		**¶15155495**
IDC	V	25 01 57 35.4–.63	1.16S	100.40E	65–5	3.9,3.8		
AUST	V	25 01 57 36.6–2.8	1.25S	100.22E	85–0	3.9,3.8		
DJA	V	25 01 57 36.1–1.1	1S–5.0	100E–8.0	25–12	5.6b,5.1		
NEIC	V	25 01 57 38.6–1.2	1.18S	100.44E	96–10	4.4b,5.1		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.4km az=152.0.

IDC Error ellipse: s-maj=21.4km s-min=12.2km az=56.0.

AUST Error ellipse: s-maj=3.6km s-min=1.0km az=241.0.

NEIC Event type fe. Error ellipse: s-maj=14.4km s-min=6.2km az=55.0. Felt [III] at Padang and Pariaman.

(274) Southern Sumatera

ISC	**V**	**28 15 05 25.6–.61**	**1.11S–.07**	**101.50E–.09**	**200**	**4.0b**	**41**	**1-146**
IDC	V	28 15 05 03.4–.67	1.34S	101.03E	0	4.2,4.1		**¶15155551**
ISCJB	V	28 15 05 24.7–.33	1.17S–.05	101.43E–.07	200	4.0b,4.1		
AUST	V	28 15 05 25.8–.00	1.05S	101.69E	186–0	4.0b,4.1		
DJA	V	28 15 05 27.6–.40	1S–3.0	101E–4.0	162–6	5.5b,5.0		

ISC Event type ke.

ISCJB Event type ke.

(280) Banda Sea

ISC	**V**	**28 15 38 46.8–.47**	**6.66S–.04**	**130.50E–.05**	**90**	**4.2b**	**53**	**4-151**
IDC	V	28 15 38 43.4–3.3	6.61S	130.38E	52–33	4.6L,4.2		**¶15155553**
ISCJB	V	28 15 38 45.2–.31	6.65S–.02	130.60E–.04	90	4.2b,4.2		
AUST	V	28 15 38 48.2–.01	6.69S	130.39E	102–0	4.2b,4.2		
DJA	V	28 15 38 48.7–.30	7S–3.0	131E–3.0	194–21	6.0,5.6b		

ISC Event type ke.

ISCJB Event type ke.

(173) Tonga Islands

ISC	**V**	**29 14 48 43.6–.29**	**16.89S–.05**	**174.86W–.04**	**285–2**	**4.8b**	**540**	**4-175**
ISCJB	V	29 14 48 38.7–.67	16.84S–.04	174.95W–.03	249–6	4.7b		**¶15155584**
DJA	V	29 14 48 40.4–1.0	17S–11	175W–11	248–13	5.7,5.6b		
AUST	V	29 14 48 41.5–.00	16.84S	174.80W	263–0	5.7,5.6b		
NEIC	V	29 14 48 42.3–.14	16.99S	174.92W	277	4.8b,5.6b		
IDC	V	29 14 48 42.8–.62	16.88S	175.01W	273–5	4.4,4.4		
BJI	V	29 14 48 43.9	16.50S	174.82W	286	4.7b,4.5b		
SZGRF	V	29 14 48 44.5	16.90S	173.32W	282	4.7b,4.5b		
GCMT	V	29 14 48 47.1–.60	16.74S	174.65W	297–1	5.2W,4.5b		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.8km az=139.0.

AUST Error ellipse: s-maj=1.1km s-min=1.0km az=310.0.

NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.8km az=146.0.

IDC Error ellipse: s-maj=10.9km s-min=7.7km az=138.0.

SZGRF Tonga Islands.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.66±.28 $M_{\theta\theta}$5.45±.49; $M_{\phi\phi}$1.21±.49; $M_{r\theta}$1.64±.39; $M_{\theta\phi}$3.60±.40; $M_{\phi r}$0.55±.40; Best double couple: NP1:ϕ_s57.00000°,δ38.00000°,λ-95.00000°. NP2:ϕ_s243.00000°,δ52.00000°,λ-86.00000°. Principal axes: T 7.7100,Plg7.0000°,Azm331.0000°; N -0.8300,Plg3.0000°,Azm61.0000°; P -6.8800,Plg83.0000°,Azm175.0000° $M_0$7.30000×10^{16}

(259) Mindanao

ISC	**V**	**29 19 51 18.0–.20**	**5.92N–.02**	**125.87E–.03**	**162–1**	**5.4b**	**1142**	**1-171**
BJI	V	29 19 51 12.1	5.27N	126.01E	164	5.1b,5.1b		**¶15155586**
ISCJB	V	29 19 51 17.7–.22	5.94N–.01	125.92E–.02	172–2	5.4b,5.1b		
MAN	V	29 19 51 17	5.86N	125.90E	170	6.1b,5.8s		
MOS	V	29 19 51 17.0–1.0	5.93N	125.69E	163	5.4b,4.5s		
IDC	V	29 19 51 18.2–.32	5.90N	125.65E	159–2	5.0,5.0		
NEIC	V	29 19 51 18.0–.14	5.93N	125.78E	160	5.7W,5.5b		
GCMT	V	29 19 51 19.1–.10	5.86N	125.96E	147–0	5.7W,5.5b		
DJA	V	29 19 51 19.4–.30	6N–2.0	126E–2.0	168–3	6.6,6.2b		
AUST	V	29 19 51 21.4–.24	5.80N	125.96E	189–0	6.6,6.2b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=170.2.

MAN Event type fe. INTENSITY III - DAVAO CITY; INTENSITY II - GENERAL SANTOS CITY.

MOS Error ellipse: s-maj=8.7km s-min=4.5km az=113.8.

IDC Error ellipse: s-maj=9.5km s-min=4.9km az=74.0.

NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.9km az=70.0. Felt [III PIVS] at Davao, [II PIVS] at General Santos and [I PIVS] at Kidapawan. Also felt at Banga, Buhangin and Dadiangas.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=114, comp=209, per= 50. Moment Tensor Solution. s108,c199; s42,c49; Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.05 $M_{\theta\theta}$2.42±.06; $M_{\phi\phi}$-3.23±.06; $M_{r\theta}$-1.61±.04; $M_{\theta\phi}$-2.77±.06; $M_{\phi r}$2.68±.04; Best double couple: NP1:ϕ_s244.00000°,δ52.00000°,λ170.00000°. NP2:ϕ_s340.00000°,δ82.00000°,λ39.00000°. Principal axes: T 5.1400,Plg32.0000°,Azm209.0000°; N -0.0900,Plg51.0000°,Azm350.0000°; P -5.0500,Plg20.0000°,Azm106.0000° $M_0$5.10000×10^{17}

AUST Error ellipse: s-maj=0.6km s-min=0.5km az=27.0.

(265) Minahassa Peninsula, Sulawesi

ISC	**V**	**30 09 06 55.6–.70**	**0.36N–.07**	**124.87E–.09**	**87**	**4.0b**	**19**	**1-122**
ISCJB	V	30 09 06 53.5–.53	0.28N–.05	124.88E–.06	87	4.0b		**¶13679961**
IDC	V	30 09 06 53.6–3.5	0.26N	124.97E	64–34	3.8,3.7		
DJA	V	30 09 06 56.4–.60	0N–4.0	125E–4.0	10	6.0b,5.0		

ISC Event type ke.

ISCJB Event type ke.

(259) Mindanao

ISC	**V**	**30 20 15 07.4–.30**	**6.74N–.03**	**126.58E–.04**	**77–2**	**4.9b**	**473**	**0-170**
MAN	V	30 20 14 49	5.54N	126.95E	67	5.2b,4.3s		**¶15155607**
MOS	V	30 20 15 00.7–1.2	6.77N	126.50E	33	5.4b,4.3s		
BJI	V	30 20 15 03.9	6.40N	126.57E	79	5.0b,4.9b		
NEIC	V	30 20 15 04.7–.18	6.78N	126.46E	55	4.8b,4.9b		
ISCJB	V	30 20 15 04.7–.36	6.78N–.02	126.56E–.03	67–3	4.8b,4.9b		
IDC	V	30 20 15 05.0–.73	6.74N	126.43E	56–6	4.6,4.6		
AUST	V	30 20 15 06.3–.02	6.77N	126.56E	76–0	4.6,4.6		
DJA	V	30 20 15 07.2–.50	7N–4.0	127E–3.0	59–4	5.6,5.5b		

ISC Event type se.

NEIC Event type se.

ISCJB Event type se.

(266) Northern Molucca Sea

ISC	**V**	**31 03 34 30.7–.35**	**1.73N–.03**	**125.98E–.03**	**107–2**	**5.2b**	**648**	**1-168**
MOS	V	31 03 34 21.4–1.0	1.88N	125.83E	35	5.5b		**¶12870892**
BJI	V	31 03 34 25.9	1.31N	126.04E	119	5.1b,4.9b		
ISCJB	V	31 03 34 28.5–.28	1.81N–.02	126.02E–.02	106–2	5.2b,4.9b		
GCMT	V	31 03 34 28.6–.30	1.78N	125.97E	81–3	4.8W,4.9b		
NEIC	V	31 03 34 28.9–.98	1.79N	125.91E	91–8	5.1b,4.9b		
IDC	V	31 03 34 29.6–1.3	1.74N	125.94E	97–11	4.8,4.8		
DJA	V	31 03 34 31.1–.20	2N–2.0	126E–1.0	96–3	5.6,5.5b		
TEH	V	31 03 34 32.0	1.71N	125.89E	124	5.1L,5.5b		

ISC Event type fe.

MOS Error ellipse: s-maj=10.5km s-min=5.0km az=117.4.

ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.2km az=144.4.

GCMT Event type se. Data Used: II IC IU G. Moment Tensor Solution. s31,c33; s62,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}1.68±.11 $M_{\theta\theta}$-1.41±.13; $M_{\phi\phi}$-0.27±.16; $M_{r\theta}$0.53±.07; $M_{\theta\phi}$-0.87±.13; $M_{\phi r}$1.16±.08; Best double couple: NP1:ϕ_s261.00000°,δ33.00000°,λ124.00000°. NP2:ϕ_s42.00000°,δ63.00000°,λ70.00000°. Principal axes: T 2.2200,Plg66.0000°,Azm275.0000°; N -0.0600,Plg18.0000°,Azm51.0000°; P -2.1700,Plg16.0000°,Azm146.0000° $M_0$2.20000×10^{16}

NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=64.0. Felt [III] at Bitung and Manado, Indonesia.

IDC Error ellipse: s-maj=14.0km s-min=6.7km az=79.0.

(124) Chile-Bolivia border region

ISC	**VI**	**02 02 35 34.4–.50**	**21.47S–.03**	**68.57W–.05**	**107–4**	**4.5b**	**139**	**1-173**
IDC	VI	02 02 35 32.2–.61	21.48S	68.53W	86–4	4.2,4.1		**¶12872816**
ISCJB	VI	02 02 35 33.9–.39	21.45S–.03	68.44W–.06	114–4	4.4b,4.1		
NEIC	VI	02 02 35 35.2	21.57S	68.84W	123	4.5b,4.1		
GUC	VI	02 02 35 35.2–.72	21.57S	68.84W	123–4	4.9L,4.1		
BJI	VI	02 02 35 36.1	21.50S	68.30W	107	5.7b,4.1		

ISC Event type se.

IDC Error ellipse: s-maj=15.6km s-min=11.9km az=56.0.

ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=171.8.

NEIC Event type se. After GUC.

GUC Error ellipse: s-maj=2.1km s-min=4.2km az=-1.0.

(116) Central Peru

ISC	**VI**	**02 21 37 05.2–.40**	**14.75S–.06**	**73.40W–.07**	**107–3**	**4.6b**	**186**	**4-172**
ISCJB	VI	02 21 37 01.1–.97	14.74S–.05	73.42W–.06	82–9	4.6b		**¶12886824**
NEIC	VI	02 21 37 03.0–.70	14.76S	73.35W	84–6	4.7b		
BJI	VI	02 21 37 03.4	14.70S	73.30W	88	5.5s,5.2b		
IDC	VI	02 21 37 05.1–.49	14.79S	73.34W	105–4	4.3,4.3		
GCMT	VI	02 21 37 10.1–.40	14.80S	73.60W	101–3	4.9W,4.3		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.9km az=140.5.

NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=4.3km az=57.0. Felt [II] at Puquio. Also felt at Coracora.

IDC Error ellipse: s-maj=16.4km s-min=10.0km az=65.0.

GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s25,c26; s58,c76; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.52±.09 $M_{\theta\theta}$0.03±.10; $M_{\phi\phi}$2.49±.11; $M_{r\theta}$0.37±.08; $M_{\theta\phi}$-1.36±.13; $M_{\phi r}$0.33±.11; Best double couple: NP1:ϕ_s323.00000°,δ45.00000°,λ-108.00000°. NP2:ϕ_s169.00000°,δ48.00000°,λ-73.00000°. Principal axes: T 3.1000,Plg2.0000°,Azm246.0000°; N -0.4700,Plg13.0000°,Azm337.0000°; P -2.6300,Plg77.0000°,Azm149.0000° $M_0$2.90000×10^{16}

(285) Sumbawa region

ISC	**VI**	**04 17 51 24.0–.65**	**9.34S–.07**	**117.18E–.05**	**87**	**4.0b**	**33**	**2-115**
IDC	VI	04 17 51 20.1–.85	9.35S	117.01E	46–8	4.1L,4.0		**¶13680485**
DJA	VI	04 17 51 21.7–.30	10S–6.0	117E–2.0	50–15	5.5b,5.1b		
ISCJB	VI	04 17 51 22.1–.42	9.31S–.06	117.19E–.03	87	4.0b,5.1b		

ISC Event type ke.

ISCJB Event type ke.

(289) Timor region

ISC	**VI**	**05 18 08 36.1–.30**	**9.18S–.04**	**123.79E–.04**	**63–2**	**5.2b**	**384**	**2-155**
BJI	VI	05 18 08 25.7	10.09S	124.30E	59	5.2b,5.2b		**¶12933405**
ISCJB	VI	05 18 08 32.9–.20	9.19S–.03	123.98E–.03	58	5.1b,3.9s		
MOS	VI	05 18 08 33.6–1.6	9.10S	123.50E	52	5.5b,3.9s		
NEIC	VI	05 18 08 35.2–.97	9.17S	123.73E	56–8	5.1b,3.9s		
IDC	VI	05 18 08 35.8–2.9	9.12S	123.63E	58–25	4.7,4.7		
DJA	VI	05 18 08 39.6–.20	9S–2.0	124E–2.0	69–5	5.5b,5.4		
GCMT	VI	05 18 08 41.6–.20	9.34S	123.88E	77–3	5.0W,5.4		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=142.6.

MOS Error ellipse: s-maj=11.3km s-min=5.9km az=111.1.

NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.4km az=63.0.

IDC Error ellipse: s-maj=15.6km s-min=9.3km az=69.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c51; s74,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}1.60±.15 $M_{\theta\theta}$1.18±.13; $M_{\phi\phi}$-2.78±.14; $M_{r\theta}$2.81±.08; $M_{\theta\phi}$-1.20±.13; $M_{\phi r}$1.24±.10; Best double couple: NP1:ϕ_s162.00000°,δ37.00000°,λ24.00000°. NP2:ϕ_s52.00000°,δ76.00000°,λ125.00000°. Principal axes: T 4.2100,Plg47.0000°,Azm359.0000°; N -0.2500,Plg34.0000°,Azm223.0000°; P -3.9600,Plg23.0000°,Azm116.0000° $M_0$4.10000×10^{16}

(285) Sumbawa region

ISC	**VI**	**07 05 25 25.3–.25**	**8.49S–.03**	**118.39E–.03**	**146–1**	**5.2b**	**787**	**2-167**
MOS	VI	07 05 25 20.5–1.2	8.25S	118.36E	108	5.3b		**¶15155847**
AUST	VI	07 05 25 24.1–.17	8.58S	118.42E	123–0	5.3b		
BJI	VI	07 05 25 24.1	8.50S	118.40E	141	5.4b,5.2b		
IDC	VI	07 05 25 25.3–.96	8.37S	118.35E	142–7	4.8,4.8		
TEH	VI	07 05 25 25.0	8.52S	118.42E	142	5.1L,4.8		

ISCJB VI 07 05 25 25.2–.29 8.50S–.02 118.37E–.02 162–2 5.1b,4.8
NEIC VI 07 05 25 25.7–.50 8.44S 118.39E 146–4 5.0b,4.8
DJA VI 07 05 25 26.5–.70 9S–17 118E–5.0 105–18 6.2,6.0b
GCMT VI 07 05 25 27.2–.20 8.60S 118.47E 146–1 5.2W,6.0b
ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=5.7km az=113.4.
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=27.0.
IDC Error ellipse: s-maj=11.0km s-min=7.0km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=35.2.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=56.0. Felt [IV] at Bima. Felt [II] at Labuhanbajo and Ruteng, Flores. Also felt at Denpasar, Bali.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s80,c110; s99,c184; Moment tensor: Scale 10^{16}Nm; M_{rr}4.60±.15 $M_{\theta\theta}$-1.14±.20; $M_{\phi\phi}$-3.46±.20; $M_{r\theta}$6.72±.12; $M_{\theta\phi}$4.86±.17; $M_{\phi r}$0.77±.14; Best double couple: NP1: ϕ_s352.00000°,δ39.00000°,λ150.00000°. NP2:ϕ_s106.00000°,δ72.00000°,λ55.00000°. Principal axes: T 9.9200,Plg51.0000°,Azm336.0000°; N -1.3800,Plg33.0000°,Azm119.0000° ; P -8.5400,Plg19.0000°,Azm222.0000° $M_0$9.20000×10^{16}

(221) Kuril Islands

ISC	**VI**	**10 15 54 55.6–.26**	**44.85N–.03**	**148.32E–.03**	**94–1**	**5.0b**	**865**	**1-152**
BJI	VI	10 15 54 54.6	44.93N	148.28E	103	5.2b,4.9b		¶13469959
ISCJB	VI	10 15 54 55.4–.29	44.84N–.03	148.28E–.02	104–2	4.9b,4.9b		
NEIC	VI	10 15 54 56.0–.13	44.98N	148.15E	94	5.0b,4.9b		
IDC	VI	10 15 54 55.6–.41	45.00N	148.14E	91–3	4.7,4.7		
MOS	VI	10 15 54 55.2–.97	44.89N	148.27E	103	4.9b,4.7		
SKHL	VI	10 15 54 56.4–.50	44.87N	148.44E	97–7	5.8b,5.6		
JMA	VI	10 15 54 56.8–.30	44.52N	148.43E	96	4.7,5.6		
GCMT	VI	10 15 54 57.8–.30	44.89N	148.37E	88–3	4.9W,5.6		
SZGRF	VI	10 15 54 58.8	46.66N	148.46E	33	5.1b,3.7s		
DJA	VI	10 15 55 00.9–6.1	45N–12	148E–23	133–51	5.2b,4.9b		
NIED	VI	10 15 55 00	44.40N	148.50E	86	4.9W,4.9b		
NSSC	VI	10 15 55 49.8–.53	47.52N	149.45E	572–999	4.9W,4.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=159.4.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=2.5km az=155.0. Felt [IV] at Kuril'sk. Recorded [1 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=10.7km s-min=8.2km az=144.0.
MOS Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=100.6. Felt (III-IV) at Kuril'sk. Moment Tensor Solution.
SKHL Event type fe. Felt (III-IV) at Kurilsk.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s26,c33; s72,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}1.56±.12 $M_{\theta\theta}$0.93±.12; $M_{\phi\phi}$-2.50±.11; $M_{r\theta}$-1.18±.08; $M_{\theta\phi}$-0.14±.11; $M_{\phi r}$-1.65±.07; Best double couple: NP1:ϕ_s331.00000°,δ33.00000°,λ37.00000°. NP2:ϕ_s209.00000°,δ71.00000°,λ118.00000°. Principal axes: T 2.7800,Plg56.0000° ,Azm154.0000°; N 0.3700,Plg26.0000°,Azm19.0000°; P -3.1600,Plg21.0000°,Azm278.0000° $M_0$3.00000×10^{16}
SZGRF Northwest of Kuril Islands, Russia.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ54.00000°,λ114.00000°. NP2:ϕ_s341.00000°,δ42.00000°,λ60.00000°. $M_0$2.27000×10^{16}
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(274) Southern Sumatera

ISC	**VI**	**11 00 16 01.2–.28**	**4.91S–.03**	**102.85E–.04**	**64–1**	**5.2b**	**557**	**1-157**
NEIC	VI	11 00 15 56.4–2.3	4.89S	102.90E	22–16	5.2b		¶15156025
MOS	VI	11 00 15 56.7–.98	4.74S	103.06E	33	5.3b,4.5s		
BJI	VI	11 00 15 59.7	4.90S	102.80E	58	5.2b,5.0b		
AUST	VI	11 00 16 00.6–.20	4.99S	102.77E	50–0	5.2b,5.0b		
ISCJB	VI	11 00 16 00.9–.38	4.88S–.03	102.91E–.03	72–3	5.0b,5.0b		
DJA	VI	11 00 16 01.1–.30	5S–2.0	103E–2.0	44–3	5.6b,5.6		
IDC	VI	11 00 16 02.2–1.1	4.75S	103.01E	68–8	4.8,4.7		
GCMT	VI	11 00 16 03.3–.30	4.97S	102.83E	25	5.3W,4.7		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=5.0km az=57.0. Felt [III] at Bengkulu and Pagaralam. Also felt at Petaling Jaya, Malaysia and in Singapore.
MOS Error ellipse: s-maj=11.7km s-min=5.6km az=114.6.
AUST Error ellipse: s-maj=0.8km s-min=0.5km az=227.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=2.8km az=137.3.
IDC Error ellipse: s-maj=13.2km s-min=7.6km az=58.0.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta= 67, comp= 95, per= 50. Moment Tensor Solution. s43,c49; s66,c74; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s338.00000°,δ4.00000° ,λ112.00000°. NP2:ϕ_s136.00000°,δ86.00000°,λ88.00000°. Principal axes: T 1.3000,Plg49.0000°,Azm45.0000°; N 0.0500,Plg2.0000°,Azm136.0000° ; P -1.3600,Plg41.0000°,Azm228.0000° $M_0$1.30000×10^{17}

(218) Near east coast of Kamchatka Peninsula

ISC	**VI**	**11 01 35 07.1–.33**	**52.99N–.03**	**159.50E–.03**	**103–2**	**5.3b**	**1203**	**0-160**
NSSC	VI	11 01 34 55.9–2.5	55.37N	162.94E	5–999	5.3b		¶13196134
BJI	VI	11 01 34 59.7	53.26N	159.74E	67	5.0b,5.0b		
SZGRF	VI	11 01 35 04.2	53.29N	158.69E	33	5.9b,3.7s		
MOS	VI	11 01 35 05.5–.94	53.09N	159.28E	93	5.5b,3.7s		
ISCJB	VI	11 01 35 07.3–.21	53.00N–.02	159.40E–.03	114–1	5.2b,3.7s		
KRSC	VI	11 01 35 07.4–.70	52.93N	159.74E	98–38	5.5L,3.7s		
IDC	VI	11 01 35 07.9–.50	53.04N	159.31E	105–4	5.0,5.0		
BGS	VI	11 01 35 07.9–1.4	53.23N	160.65E	100	5.3b,5.0		
NEIC	VI	11 01 35 08.0–.55	53.05N	159.36E	104–5	5.2b,5.0		
GCMT	VI	11 01 35 11.3–.20	53.01N	159.72E	105–2	5.1W,5.0		
DJA	VI	11 01 35 16.5–10	54N–21	159E–54	181–77	5.3b,4.9b		

ISC Event type fe.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
MOS Event type fe. Felt (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
ISCJB Event type fe.
KRSC Event type se.
NEIC Event type fe. Felt [IV] at Petropavlovsk-Kamchatskiy.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s47,c64; s93,c156; Moment tensor: Scale 10^{16}Nm; M_{rr}1.64±.17 $M_{\theta\theta}$2.57±.16; $M_{\phi\phi}$-4.21±.15; $M_{r\theta}$4.00±.10; $M_{\theta\phi}$-0.53±.15; $M_{\phi r}$3.08±.10; Best double couple: NP1:ϕ_s147.00000°,δ34.00000°,λ16.00000°. NP2:ϕ_s44.00000°,δ81.00000°,λ123.00000°. Principal axes: T 6.4100,Plg44.0000° ,Azm347.0000°; N -0.3000,Plg33.0000°,Azm218.0000°; P -6.1100,Plg28.0000° ,Azm108.0000° $M_0$6.30000×10^{16}

(171) South of Fiji Islands

ISC	**VI**	**11 03 37 52.4–.33**	**24.19S–.05**	**176.81W–.05**	**110–2**	**4.9b**	**508**	**5-169**
MOS	VI	11 03 37 43.4–.94	24.00S	176.86W	36	5.3b,4.5s		¶15156022
DJA	VI	11 03 37 47.6–1.4	24S–7.0	177W–6.0	49–16	6.2b,5.9		
AUST	VI	11 03 37 48.3–.67	24.01S	176.57W	77–0	6.2b,5.9		
IDC	VI	11 03 37 49.5–1.7	24.08S	176.78W	81–14	4.7,4.7		
ISCJB	VI	11 03 37 50.1–.18	24.50S–.03	176.79W–.04	106	5.0b,4.7		
NEIC	VI	11 03 37 52.1–.16	24.20S	176.87W	106	5.0b,4.7		
BJI	VI	11 03 37 54.6	23.68S	177.25W	110	5.3b,5.1b		
GCMT	VI	11 03 37 55.4–.10	24.19S	176.40W	119–0	5.5W,5.1b		

ISC Event type se.
MOS Error ellipse: s-maj=11.7km s-min=8.9km az=47.1.
AUST Error ellipse: s-maj=1.3km s-min=0.9km az=288.0.
IDC Error ellipse: s-maj=13.4km s-min=11.4km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.7km az=30.7.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.4km az=139.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 114 sta. Moment Tensor Solution. s95,c175; s99,c227; Moment tensor: Scale 10^{17}Nm; M_{rr}0.84±.02 $M_{\theta\theta}$-2.08±.03; $M_{\phi\phi}$1.25±.03; $M_{r\theta}$-0.10±.02; $M_{\theta\phi}$0.23±.03; $M_{\phi r}$1.22±.02; Best double couple: NP1:ϕ_s57.00000° ,δ60.00000°,λ28.00000°. NP2:ϕ_s312.00000°,δ66.00000°,λ146.00000°. Principal axes: T 2.2800,Plg40.0000°,Azm272.0000°; N -0.1700,Plg50.0000°,Azm100.0000° ; P -2.1100,Plg4.0000°,Azm5.0000° $M_0$2.20000×10^{17}

(259) Mindanao

ISC	**VI**	**14 21 08 27.5–.29**	**5.42N–.03**	**126.50E–.04**	**64–2**	**5.3b**	**725**	**2-170**
NSSC	VI	14 21 08 17.8–1.5	17.13N	135.42E	0–999	5.3b		¶15156096
AUST	VI	14 21 08 18.4–2.1	5.46N	126.88E	0–0	5.3b		
MOS	VI	14 21 08 21.8–1.1	5.39N	126.31E	33	5.5b,4.4s		
IDC	VI	14 21 08 23.8–1.4	5.35N	126.29E	32–10	4.9,4.9		
BJI	VI	14 21 08 23.0	5.11N	126.60E	63	5.1b,5.1b		
MAN	VI	14 21 08 24	5.17N	126.37E	43	5.7b,5.2s		
DJA	VI	14 21 08 25.2–.50	6N–3.0	127E–3.0	47–4	5.8,5.6b		
GCMT	VI	14 21 08 26.8–.20	5.30N	126.59E	25–0	5.3W,5.6b		
NEIC	VI	14 21 08 26.7–.71	5.38N	126.42E	61–6	5.2b,5.6b		
ISCJB	VI	14 21 08 26.2–.33	5.39N–.02	126.56E–.03	74–3	5.2b,5.6b		

ISC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s66,c98; s87,c150; Moment tensor: Scale 10^{17}Nm; M_{rr}0.17±.02 $M_{\theta\theta}$0.24±.01; $M_{\phi\phi}$-0.41±.01; $M_{r\theta}$0.23±.04; $M_{\theta\phi}$-0.15±.01; $M_{\phi r}$1.27±.06; Best double couple: NP1:ϕ_s200.00000°,δ7.00000°,λ100.00000°. NP2:ϕ_s10.00000°,δ83.00000°,λ89.00000°. Principal axes: T 1.1900,Plg52.0000° ,Azm279.0000°; N 0.2700,Plg1.0000°,Azm10.0000°; P -1.4600,Plg38.0000°,Azm101.0000° $M_0$1.30000×10^{17}
NEIC Event type se.
ISCJB Event type se.

(221) Kuril Islands

ISC	**VI**	**17 23 11 10.2–.36**	**45.38N–.05**	**149.86E–.04**	**97–2**	**4.8b**	**531**	**1-151**
NIED	VI	17 23 11 00	44.80N	149.90E	80	4.5W		¶13383503
BJI	VI	17 23 11 03.8	45.44N	150.58E	86	4.9b,4.8b		
ISCJB	VI	17 23 11 09.9–.47	45.32N–.04	149.86E–.05	107–4	4.7b,4.8b		
NEIC	VI	17 23 11 10.7–.21	45.46N	149.78E	96	4.8b,4.8b		
MOS	VI	17 23 11 10.6–.92	45.60N	149.72E	101	4.8b,4.8b		
IDC	VI	17 23 11 10.6–.50	45.51N	149.78E	97–4	4.3,4.2		
SZGRF	VI	17 23 11 11.0	46.22N	148.47E	33	5.0b,4.2		
SKHL	VI	17 23 11 12.1–1.5	45.60N	150.05E	89–7	5.8s,5.4b		
JMA	VI	17 23 11 13.1–.50	44.85N	149.89E	100	4.2,5.4b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s270.00000°,δ82.00000°,λ-73.00000°. NP2:ϕ_s24.00000°,δ19.00000°,λ-155.00000°. $M_0$6.24000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.1km az=143.5.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=150.0.
MOS Error ellipse: s-maj=8.4km s-min=5.1km az=106.7.
IDC Error ellipse: s-maj=12.8km s-min=10.9km az=152.0.
SZGRF Northwest of Kuril Islands, Russia.
JMA Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.

(124) Chile-Bolivia border region

ISC	**VI**	**19 10 36 23.5–.16**	**21.09S–.02**	**68.79W–.03**	**112–0**	**5.2b**	**683**	**1-173**
GUC	VI	19 10 36 22.1–.78	21.08S	68.90W	111–5	5.4L		¶13197432
NEIC	VI	19 10 36 22.1	21.08S	68.90W	111	5.3b		
ISCJB	VI	19 10 36 22.2–.14	21.03S–.02	68.69W–.03	110	5.2b		
IDC	VI	19 10 36 23.6–.32	21.08S	68.67W	109–3	4.8,4.8		
LDG	VI	19 10 36 23.8–.15	20.37S	68.45W	100	5.1b,4.0s		
MOS	VI	19 10 36 23.1–.95	20.68S	68.54W	104	5.5b,4.0s		
BJI	VI	19 10 36 23.0	21.25S	67.58W	97	5.2b,4.0s		
GCMT	VI	19 10 36 29.0–.20	21.07S	69.08W	128–1	5.2W,4.0s		

ISC Event type ke.
GUC Error ellipse: s-maj=2.1km s-min=6.9km az=-1.0.
NEIC Event type se. After GUC.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=166.3.
IDC Error ellipse: s-maj=12.5km s-min=5.8km az=92.0.
LDG Event type ke. Error ellipse: s-maj=9.6km s-min=5.6km az=18.0.
MOS Error ellipse: s-maj=10.1km s-min=6.5km az=100.7.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c72; s81,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.79±.15 $M_{\theta\theta}$2.14±.21; $M_{\phi\phi}$4.66±.23; $M_{r\theta}$-1.34±.14; $M_{\theta\phi}$-5.17±.18; $M_{\phi r}$1.82±.18; Best double couple: NP1:ϕ_s321.00000°,δ37.00000°,λ-91.00000°. NP2:ϕ_s143.00000°,δ53.00000°,λ-89.00000°. Principal axes: T 9.0400,Plg8.0000° ,Azm232.0000°; N -1.9200,Plg1.0000°,Azm322.0000°; P -7.1100,Plg82.0000°,Azm57.0000° $M_0$8.10000×10^{16}

(216) Mariana Islands

ISC	**VI**	**19 15 06 25.4–.26**	**14.09N–.03**	**145.22E–.04**	**119–1**	**5.4b**	**597**	**1-172**
DJA	VI	19 15 05 58.7–2.3	16N–21	147E–21	10	5.8b,5.5b		¶13197443
BJI	VI	19 15 06 20.6	13.89N	145.60E	113	5.3b,5.2b		
ISCJB	VI	19 15 06 23.8–.48	14.08N–.03	145.23E–.03	117–4	5.3b,5.2b		
NEIC	VI	19 15 06 24.6–.14	14.08N	145.19E	114	5.5b,5.2b		
MOS	VI	19 15 06 24.1–1.1	14.12N	145.15E	120	5.3b,4.6s		
IDC	VI	19 15 06 25.2–.60	14.04N	145.27E	119–4	5.0,4.9		
GCMT	VI	19 15 06 29.7–.10	13.73N	145.33E	110–1	5.5W,4.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.0km az=1.4.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=4.2km az=121.0. Felt [II] on Saipan. Also felt on Tinian. Felt [IV] at Santa Rita; [III] at Andersen AFB, Dededo and Tamuning; [II] at Yigo, Guam. Also felt at Agat, Barrigada, Hagatna, Hagatna Heights, Mangilao, Talofofo and Yona.
MOS Error ellipse: s-maj=8.4km s-min=5.0km az=102.1.
IDC Error ellipse: s-maj=12.6km s-min=7.0km az=88.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 89, comp=179, per= 50. Moment Tensor Solution. s74,c107; s9,c9; Moment tensor: Scale 10^{17}Nm; M_{rr}1.28±.04 $M_{\theta\theta}$-0.64±.05; $M_{\phi\phi}$-0.64±.05; $M_{r\theta}$1.74±.03; $M_{\theta\phi}$-0.93±.04; $M_{\phi r}$-0.20±.04; Best double couple: NP1:ϕ_s201.00000°,δ31.00000°,λ36.00000°. NP2:ϕ_s79.00000°,δ72.00000°,λ116.00000°. Principal axes: T 2.4500,Plg55.0000°,Azm22.0000°; N -0.4100,Plg25.0000°,Azm250.0000° ; P -2.0400,Plg23.0000°,Azm149.0000° $M_0$2.20000×10^{17}

(1) Central Alaska

ISC	**VI**	**22 19 28 03.5–.24**	**61.97N–.02**	**150.78W–.02**	**63–1**	**5.7b**	**1422**	**0-165**
MOS	VI	22 19 28 01.3–.80	62.04N	150.94W	54	5.8b,4.4s		¶14785634
IDC	VI	22 19 28 03.6–.85	62.03N	150.86W	60–7	5.2,5.2		
BJI	VI	22 19 28 03.6	62.49N	151.43W	59	5.4b,5.3b		
ISCJB	VI	22 19 28 03.1–.17	62.02N–.01	150.75W–.03	69–1	5.5b,5.3b		
NEIC	VI	22 19 28 05.2	61.94N	150.70W	65	5.6b,5.5W		
BGS	VI	22 19 28 07.5–1.3	62.15N	148.83W	67	5.4b,5.5W		
GCMT	VI	22 19 28 09.3–.20	62.04N	151.02W	86–1	5.5W,5.5W		
SZGRF	VI	22 19 28 10.8	62.68N	150.74W	70	6.1b,5.5W		
DJA	VI	22 19 29 00.0–3.2	63N–24	153W–27	553–29	5.6b,5.1		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Trapper Creek; [IV] at Anchorage, Elmendorf AFB, Chugiak, Eagle River, Girdwood, Palmer, Talkeetna, Wasilla and Willow; [III] at Fort Richardson, Kenai, Soldotna and Sterling; [II] at Denali National Park, Fairbanks, Homer, Seward and Valdez. Also felt at Anchor Point, Cooper Landing, Cordova, Glennallen, Indian, Kasilof, Moose Pass, Ninilchik and North Pole. After AEIC. Moment Tensor Solution. s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.35 $M_{\theta\theta}$0.62 $M_{\phi\phi}$0.73 $M_{r\theta}$-0.95 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.26 Best double couple: NP1: ϕ_s120.00000°,δ63.00000°,λ-108.00000°. NP2:ϕ_s334.00000°,δ32.00000°,λ-59.00000°. Principal axes: T 1.7600,Plg15.0000°,Azm222.0000°; N -0.0200,Plg15.0000°,Azm127.0000° ; P -1.7300,Plg67.0000°,Azm355.0000° $M_0$1.70000×10^{17} Moment Tensor Solution. $M_0$1.30000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 93, comp=179, per= 50. Moment Tensor Solution. s88,c147; s9,c9; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.78±.03 $M_{\theta\theta}$-1.39±.04; $M_{\phi\phi}$2.17±.04; $M_{r\theta}$-0.95±.03; $M_{\theta\phi}$-0.97±.04; $M_{\phi r}$-0.05±.03; Best double couple: NP1:ϕ_s26.00000°,δ65.00000°,λ-22.00000°. NP2:ϕ_s126.00000°,δ70.00000°,λ-153.00000°. Principal axes: T 2.4300,Plg4.0000°,Azm255.0000°; N -0.1900,Plg57.0000°,Azm159.0000° ; P -2.2400,Plg33.0000°,Azm347.0000° $M_0$2.30000×10^{17}
SZGRF Central Alaska, United States.

(190) New Ireland region

ISC	**VI**	**23 14 19 18.2–.25**	**5.22S–.03**	**153.71E–.03**	**64–1**	**5.9b**	**1392**	**7-167**
ISCJB	VI	23 14 19 13.5–.73	5.18S–.03	153.73E–.02	37–6	6.2s,5.8b		¶16718055
BJI	VI	23 14 19 13.6	5.01S	154.58E	63	6.7b,6.3s		
BGS	VI	23 14 19 17.5–2.1	5.16S	153.78E	67	6.2s,6.3s		
NEIC	VI	23 14 19 17.8–.13	5.20S	153.70E	65	5.5b,6.3s		
MOS	VI	23 14 19 20.2–1.0	5.12S	153.74E	52	6.6b,6.1s		
TEH	VI	23 14 19 21.9	5.32S	153.44E	80	6.8L,6.1s		
IDC	VI	23 14 19 22.0–.44	5.21S	153.72E	96–3	6.2s,6.2		
DJA	VI	23 14 19 23.0–.80	5S–4.0	154E–5.0	96–7	7.8,7.0b		
GCMT	VI	23 14 19 29.6–.10	5.22S	153.74E	70–0	6.7W,7.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=12.4.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.4km az=112.0.
MOS Error ellipse: s-maj=8.1km s-min=6.6km az=72.0.
IDC Error ellipse: s-maj=11.8km s-min=8.4km az=77.0.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 116 sta. Surface waves: sta=120, comp=290, per= 50. Moment Tensor Solution. s122,c307; s99,c254; Moment tensor: Scale 10^{19}Nm; M_{rr}1.34±.01 $M_{\theta\theta}$-0.49±.01; $M_{\phi\phi}$-0.85±.01; $M_{r\theta}$-0.31±.01; $M_{\theta\phi}$0.75±.01; $M_{\phi r}$0.50±.01; Best double couple: NP1:ϕ_s139.00000°,δ34.00000° ,λ85.00000°. NP2:ϕ_s325.00000°,δ56.00000°,λ93.00000°. Principal axes: T 1.4600,Plg78.0000°,Azm246.0000°; N 0.1000,Plg3.0000°,Azm143.0000° ; P -1.5600,Plg11.0000°,Azm52.0000° $M_0$1.50000×10^{19}

(190) New Ireland region

ISC	**VI**	**23 14 19 22.7–.31**	**5.15S–.04**	**153.80E–.04**	**65–2**	**6.3b**	**418**	**7-159**

ISCJB	VI	23 14 19 21.4–1.0	5.14S–.04	153.72E–.03	64–9	6.2b		¶16874517
NEIC	VI	23 14 19 22.4–.13	5.16S	153.78E	64	6.7W,6.7W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.1km az=14.6.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.5km az=140.0. Felt [V] at Kokopo, New Britain. Also felt at Arawa, Bougainville. Two events about 4 seconds apart observed on broadband displacement seismograms. Depth and focal mechanism from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s325.00000°,δ50.00000°,λ90.00000°. NP2:ϕ_s145.00000°,δ40.00000°,λ90.00000°. Principal axes: T Plg85.0000°,Azm235.0000°; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm55.0000° Moment Tensor Solution. s47 Moment tensor: Scale 10^{19}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-0.87 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.63 $M_{\phi r}$0.59 Best double couple: NP1:ϕ_s336.00000°,δ58.00000°,λ100.00000°. NP2:ϕ_s138.00000°,δ33.00000°,λ75.00000°. Principal axes: T 1.3200,Plg74.0000°,Azm272.0000°; N 0.0900,Plg8.0000°,Azm150.0000°; P -1.4100,Plg12.0000°,Azm58.0000° $M_0$1.40000×10^{19}

MAJOR DEEP FOCUS EARTHQUAKES
h>300km,M>=5

(259) Mindanao

ISC	**I**	**01 12 36 55.3–.37**	**9.39N–.04**	**124.16E–.06**	**515–3**	**4.2b**	**270 0-146**	
BJI	I	01 12 36 49.4	8.93N	124.41E	504	4.8b,4.6b		¶13404538
MOS	I	01 12 36 53.9–.89	9.41N	124.18E	515	4.2b,4.6b		
ISCJB	I	01 12 36 55.4–.23	9.44N–.03	124.23E–.05	529–3	4.2b,4.6b		
MAN	I	01 12 36 55	9.46N	124.17E	522	5.6b,4.9s		
NEIC	I	01 12 36 55.7–.42	9.43N	124.15E	525–5	4.5b,4.9s		
IDC	I	01 12 36 56.8–.85	9.34N	124.15E	539–10	3.6b,3.6		
DJA	I	01 12 36 57	9.37N	124.14E	529	4.7b,3.6		

ISC Event type se.
MOS Error ellipse: s-maj=16.1km s-min=6.7km az=115.2.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.5km az=164.5.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.0km az=75.0.
IDC Error ellipse: s-maj=14.3km s-min=6.1km az=75.0.

(211) Southeast of Honshu

ISC	**I**	**02 07 42 52.1–.25**	**32.75N–.03**	**138.20E–.03**	**322–1**	**5.1b**	**1453 1-158**	
NIED	I	02 07 42 00	32.80N	138.50E	360	5.1W		¶11526805
MOS	I	02 07 42 49.4–.91	32.68N	138.06E	308	5.1b		
BJI	I	02 07 42 49.8	32.77N	138.17E	320	5.3b,4.8b		
SZGRF	I	02 07 42 49.4	32.50N	139.00E	333	5.2b,4.8b		
JMA	I	02 07 42 49.3–.30	32.75N	138.47E	345–3	5.2,4.8b		
BGS	I	02 07 42 50.0–2.2	31.85N	137.16E	333	4.8b,4.8b		
ISCJB	I	02 07 42 51.7–.17	32.71N–.02	138.07E–.02	326–1	4.9b,4.8b		
TEH	I	02 07 42 52.0	32.66N	138.07E	316	4.9L,4.8b		
DJA	I	02 07 42 52	32.54N	138.15E	326	5.2b,4.8b		
IDC	I	02 07 42 52.2–.48	32.67N	138.12E	323–4	4.7,4.7		
NEIC	I	02 07 42 53.1–.11	32.66N	138.04E	333	5.1W,4.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ84.00000°,λ-89.00000°. NP2:ϕ_s206.00000°,δ6.00000°,λ-98.00000°. $M_0$4.77000×10^{16}
MOS Error ellipse: s-maj=7.5km s-min=3.9km az=108.3.
SZGRF Southeast of Honshu, Japan.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=162.3.
IDC Error ellipse: s-maj=7.4km s-min=5.5km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=129.0. Recorded [1 JMA] in Fukushima, Ibaraki, Kanagawa, Tochigi and Tokyo. Moment Tensor Solution. $M_0$4.80000×10^{16}

(259) Mindanao

ISC	**I**	**03 16 53 10.9–.50**	**6.63N–.06**	**123.57E–.08**	**612–5**	**4.5b**	**178 1-144**	
BJI	I	03 16 53 07.9	6.33N	123.59E	610	4.9b,4.6b		¶11534537
ISCJB	I	03 16 53 10.0–.24	6.67N–.04	123.64E–.05	617–3	4.5b,4.6b		
DJA	I	03 16 53 11	6.73N	123.68E	597	4.9b,4.6b		
NEIC	I	03 16 53 11.0–.43	6.65N	123.58E	615–6	4.5b,4.6b		
IDC	I	03 16 53 11.3–.77	6.62N	123.59E	621–10	3.9,3.8b		
MAN	I	03 16 53 12	6.60N	123.27E	563	5.2b,4.4s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.0km az=145.9.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.1km az=58.0.
IDC Error ellipse: s-maj=17.7km s-min=6.0km az=65.0.

(131) Tucuman Province

ISC	**I**	**03 21 15 01.2–.28**	**28.57S–.04**	**62.95W–.05**	**622–2**	**5.2b**	**1104 5-177**	
DJA	I	03 21 13 48	26.30S	64.24W	10	6.1b		¶11527884
ISCJB	I	03 21 15 00.1–.30	28.48S–.04	62.84W–.04	615–4	5.2b		
IDC	I	03 21 15 01.8–.39	28.52S	62.93W	627–4	4.7,4.7		
NEIC	I	03 21 15 01.6–.11	28.54S	63.01W	627	5.1b,4.7		
MOS	I	03 21 15 01.0–1.0	28.47S	63.00W	624	4.9b,4.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=31.5.
IDC Error ellipse: s-maj=10.0km s-min=8.0km az=53.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.5km az=90.0.
MOS Error ellipse: s-maj=13.2km s-min=8.0km az=99.6.

(181) Fiji Islands region

ISC	**I**	**07 16 25 33.4–.27**	**20.68S–.04**	**179.11W–.04**	**662–2**	**5.3b**	**1806 4-175**	
SZGRF	I	07 16 24 17.4	23.68S	178.63W	31	4.9b		¶11534067
ISCJB	I	07 16 25 30.8–.46	20.75S–.03	179.24W–.03	637–6	5.2b		
MOS	I	07 16 25 31.4–.81	20.56S	179.24W	640	5.3b,4.6s		
IDC	I	07 16 25 33.0–.58	20.77S	179.23W	653–6	4.7,4.7		
DJA	I	07 16 25 32	20.54S	179.22W	647	5.4b,4.7		
BJI	I	07 16 25 33.0	20.40S	178.91W	667	5.3b,5.1b		
NEIC	I	07 16 25 33.3–.11	20.71S	179.22W	657	5.3b,5.1b		
BGS	I	07 16 25 35.2–5.4	20.71S	179.22W	657	5.3b,5.1b		

ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.5km az=155.0.
MOS Error ellipse: s-maj=8.8km s-min=6.9km az=65.0.
IDC Error ellipse: s-maj=9.0km s-min=6.8km az=154.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.4km az=147.0.
BGS Error ellipse: s-maj=277.9km s-min=999.9km az=-1.0.

(181) Fiji Islands region

ISC	**I**	**24 09 01 57.5–.19**	**19.62S–.04**	**178.99W–.03**	**667**	**5.2b**	**1445 3-174**	
MOS	I	24 09 01 55.0–.88	19.43S	179.15W	642	5.3b		¶11617194
BJI	I	24 09 01 56.9	19.60S	179.10W	660	5.0b,4.7b		
SZGRF	I	24 09 01 56.8	20.13S	179.33W	669	5.0b,4.7b		
ISCJB	I	24 09 01 56.5–.09	19.74S–.03	179.11W–.02	670	5.1b,4.7b		
IDC	I	24 09 01 57.9–.42	19.62S	179.10W	670–4	4.6,4.6		
DJA	I	24 09 01 57	19.67S	179.22W	644	5.1W,4.6		
NEIC	I	24 09 01 58.0–.10	19.58S	179.11W	671	5.2b,4.6		
BGS	I	24 09 01 58.5–6.4	19.58S	179.11W	671	5.2b,4.6		

ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=7.1km az=48.5.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.3km az=146.9.
IDC Error ellipse: s-maj=10.0km s-min=6.4km az=163.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.0km az=144.0.
BGS Error ellipse: s-maj=386.8km s-min=999.9km az=-1.0.

(181) Fiji Islands region

ISC	**I**	**26 11 54 40.7–.17**	**17.84S–.03**	**178.52W–.03**	**595**	**5.5b**	**2202 3-175**	
MOS	I	26 11 54 38.2–.88	17.61S	178.57W	563	5.5b		¶11617580
BGS	I	26 11 54 39.0–4.9	17.80S	178.59W	580	5.5b		
ISCJB	I	26 11 54 39.4–.08	17.91S–.02	178.61W–.02	591	5.6b		
NEIC	I	26 11 54 39.6–.37	17.80S	178.59W	580–4	5.8W,5.5b		
BJI	I	26 11 54 39.9	17.45S	178.17W	597	5.4b,5.3b		
IDC	I	26 11 54 41.1–.46	17.85S	178.64W	590–4	5.1b,5.1		
DJA	I	26 11 54 43	17.94S	178.73W	620	5.9W,5.1		

ISC Event type se.
MOS Error ellipse: s-maj=11.1km s-min=7.8km az=79.3.
BGS Error ellipse: s-maj=460.1km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.9km az=142.8.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.9km az=143.0. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.72 $M_{\theta\theta}$3.66 $M_{\phi\phi}$-1.94 $M_{r\theta}$3.06 $M_{\theta\phi}$2.51 $M_{\phi r}$-3.45 Best double couple: NP1:ϕ_s35.00000°,δ45.00000°,λ-160.00000°. NP2:ϕ_s291.00000°,δ76.00000°,λ-46.00000°. Principal axes: T 5.1900,Plg19.0000°,Azm349.0000°; N 1.5700,Plg42.0000°,Azm98.0000°; P -6.7700,Plg41.0000°,Azm241.0000° $M_0$6.10000×10^{17}
IDC Error ellipse: s-maj=8.9km s-min=6.5km az=159.0.

(192) New Britain region

ISC	**I**	**26 13 51 45.2–.41**	**4.87S–.05**	**150.02E–.07**	**418–3**	**4.3b**	**188 5-155**	
DJA	I	26 13 51 42	4.85S	150.22E	437	4.7b		¶11617581
BJI	I	26 13 51 44.3	4.82S	150.12E	427	4.6b,4.2b		
NEIC	I	26 13 51 44.9–.25	4.81S	150.04E	414	4.6b,4.2b		
ISCJB	I	26 13 51 44.3–.84	4.85S–.05	150.09E–.06	421–9	4.3b,4.2b		
IDC	I	26 13 51 45.2–.61	4.87S	149.96E	417–6	3.8b,3.8		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=7.4km az=164.0.
IDC Error ellipse: s-maj=12.8km s-min=7.5km az=99.0.

(181) Fiji Islands region

ISC	**I**	**27 06 29 12.1–.18**	**17.89S–.03**	**178.55W–.03**	**593**	**5.2b**	**1998 3-175**	
BJI	I	27 06 29 10.1	17.80S	177.91W	606	5.0b,5.0b		¶11625177
ISCJB	I	27 06 29 11.3–.09	17.93S–.03	178.67W–.02	594	5.2b,5.0b		
IDC	I	27 06 29 11.6–.45	17.88S	178.64W	582–4	4.8,4.8		
DJA	I	27 06 29 11	17.99S	178.72W	571	5.7b,4.8		
MOS	I	27 06 29 12.7–1.2	17.74S	178.71W	604	5.1b,4.8		
BGS	I	27 06 29 13.0–3.7	17.84S	178.68W	601	5.1b,4.8		
NEIC	I	27 06 29 13.0–.11	17.84S	178.68W	601	5.8W,5.1b		
SZGRF	I	27 06 29 14.2	17.63S	178.48W	600	5.8W,5.1b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=150.5.
IDC Error ellipse: s-maj=6.7km s-min=5.1km az=161.0.
MOS Error ellipse: s-maj=8.5km s-min=7.0km az=56.1.
BGS Error ellipse: s-maj=288.8km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.1km az=144.0. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.76 $M_{\theta\theta}$5.57 $M_{\phi\phi}$-3.81 $M_{r\theta}$2.25 $M_{\theta\phi}$2.92 $M_{\phi r}$-2.61 Best double couple: NP1:ϕ_s34.00000°,δ59.00000°,λ-163.00000°. NP2:ϕ_s294.00000°,δ75.00000°,λ-32.00000°. Principal axes: T 6.6800,Plg10.0000°,Azm347.0000°; N 0.0100,Plg54.0000°,Azm92.0000°; P -6.6900,Plg33.0000°,Azm249.0000° $M_0$6.70000×10^{17}
SZGRF Fiji Islands region.

(280) Banda Sea

ISC	**I**	**29 11 22 51.0–.35**	**7.06S–.04**	**125.71E–.08**	**474–3**	**4.5b**	**187 6-153**	
BJI	I	29 11 22 47.0	7.37S	125.93E	478	4.5b,4.4b		¶11656304
ISCJB	I	29 11 22 50.9–.81	7.05S–.04	125.56E–.07	487–11	4.5b,4.4b		
DJA	I	29 11 22 51	7.22S	125.64E	466	5.0b,4.4b		
NEIC	I	29 11 22 51.6–.42	7.05S	125.57E	481–5	4.6b,4.4b		
IDC	I	29 11 22 51.2–.59	7.06S	125.55E	473–6	4.2b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=4.9km az=155.7.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=3.6km az=64.0.
IDC Error ellipse: s-maj=15.0km s-min=6.7km az=72.0.

(113) Western Brazil

ISC	**I**	**29 22 28 06.0–.17**	**8.14S–.03**	**71.48W–.04**	**610**	**5.2b**	**2170 7-173**	
MOS	I	29 22 28 04.2–1.8	8.00S	71.35W	601	5.4b,5.2s		¶13434078
ISCJB	I	29 22 28 05.4–.14	8.02S–.03	71.48W–.02	607	5.2b,5.2s		
NEIC	I	29 22 28 05.9–.12	8.11S	71.40W	602	5.6W,5.3b		
IDC	I	29 22 28 06.4–.31	8.15S	71.48W	609–3	4.5,4.5		
SZGRF	I	29 22 28 17.1	6.31S	69.78W	602	5.5b,4.5		

ISC Event type se.
MOS Error ellipse: s-maj=11.8km s-min=7.0km az=61.7.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=28.9.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=47.0. Moment Tensor Solution. s47 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.60 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$2.67 $M_{r\theta}$-1.44 $M_{\theta\phi}$-0.86 $M_{\phi r}$1.92 Best double couple: NP1:ϕ_s150.00000°,δ66.00000°,λ-103.00000°. NP2:ϕ_s359.00000°,δ27.00000°,λ-64.00000°. Principal axes: T 3.7300,Plg19.0000°,Azm249.0000°; N -0.1400,Plg11.0000°,Azm155.0000°; P -3.5900,Plg66.0000°,Azm36.0000° $M_0$3.70000×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=5.8km az=61.0.
SZGRF Western Brazil.

(181) Fiji Islands region

ISC	**II**	**02 14 43 57.9–.35**	**21.90S–.05**	**179.44W–.05**	**592–3**	**4.9b**	**515 5-171**	
MOS	II	02 14 43 56.3–1.1	21.79S	179.41W	583	4.6b		¶11660449
BJI	II	02 14 43 56.2	21.76S	178.86W	604	5.0b,4.8b		
ISCJB	II	02 14 43 57.2–.64	21.88S–.05	179.50W–.04	592–8	4.8b,4.8b		
NEIC	II	02 14 43 57.8–.22	21.79S	179.43W	590	4.8b,4.8b		
IDC	II	02 14 43 57.2–1.2	21.75S	179.39W	582–13	4.2,4.1		

ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=10.8km az=164.9.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.7km az=164.6.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.0km az=156.0.
IDC Error ellipse: s-maj=12.8km s-min=10.3km az=150.0.

(211) Southeast of Honshu

ISC	**II**	**02 20 07 10.8–.59**	**32.22N–.05**	**137.79E–.04**	**377–4**	**4.4b**	**481 2-163**	
NIED	II	02 20 07 00	32.20N	137.90E	380	4.6W		¶12699427
JMA	II	02 20 07 08.9–.30	32.22N	137.94E	398–3	4.3		
IDC	II	02 20 07 09.6–.89	32.17N	137.74E	362–8	4.0,4.0		
MOS	II	02 20 07 09.8–1.0	32.19N	137.69E	380	4.4b,4.0		
BJI	II	02 20 07 09.8	32.07N	137.65E	386	4.8b,4.5b		
ISCJB	II	02 20 07 10.9–.27	32.18N–.04	137.59E–.03	383–2	4.4b,4.5b		
NEIC	II	02 20 07 10.9–.49	32.14N	137.68E	378–5	4.6b,4.6W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ70.00000°,λ91.00000°. NP2:ϕ_s356.00000°,δ20.00000°,λ86.00000°. $M_0$8.69000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=11.0km s-min=8.3km az=93.0.
MOS Error ellipse: s-maj=9.4km s-min=6.3km az=107.3.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.6km az=163.2.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=142.0. Moment Tensor Solution. $M_0$8.70000×10^{15}

(663) Sea of Okhotsk

ISC	**II**	**03 05 47 20.7–.65**	**47.92N–.08**	**144.81E–.09**	**500**	**3.7b**	**37 2-72**	
BJI	II	03 05 47 18.0	48.10N	144.90E	490	5.0b,4.7b		¶12699445
ISCJB	II	03 05 47 20.1–.46	48.09N–.05	144.7E–.10	500	3.4b,4.7b		
JMA	II	03 05 47 20.9–.50	47.79N	145.34E	508	3.7,4.7b		
MOS	II	03 05 47 20.8–.85	48.15N	144.64E	508	4.0b,4.7b		
IDC	II	03 05 47 21.4–1.3	48.17N	144.63E	498–17	3.1,3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=7.2km az=6.5.
JMA Error ellipse: s-maj=5.6km s-min=6.0km az=-1.0.
MOS Error ellipse: s-maj=19.7km s-min=11.8km az=77.8.
IDC Error ellipse: s-maj=15.2km s-min=13.6km az=126.0.

(171) South of Fiji Islands

ISC	**II**	**03 15 06 00.4–.38**	**24.57S–.05**	**179.65W–.06**	**504–3**	**4.8b**	**336 5-169**	
DJA	II	03 15 05 35	25.09S	178.60W	309	5.4b		¶11662499
NEIC	II	03 15 05 59.5–.30	24.46S	179.66W	497	5.2b		
ISCJB	II	03 15 05 59.4–.63	24.56S–.03	179.77W–.06	497–7	4.7b		
IDC	II	03 15 06 00.0–1.1	24.46S	179.81W	496–10	4.3,4.3		
BJI	II	03 15 06 00.0	24.50S	179.70W	501	5.1b,4.6b		
MOS	II	03 15 06 02.5–3.4	24.49S	179.80E	495	5.0b,4.6b		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=8.1km az=97.0. Felt at Suva.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.2km az=1.7.
IDC Error ellipse: s-maj=11.1km s-min=9.2km az=169.0.
MOS Error ellipse: s-maj=14.0km s-min=10.9km az=133.7.

(280) Banda Sea

ISC	**II**	**06 09 59 44.4–.31**	**7.05S–.03**	**123.29E–.05**	**656–3**	**4.9b**	**939 2-156**	
BJI	II	06 09 59 40.2	7.30S	123.63E	665	5.0b,4.6b		¶11667365
MOS	II	06 09 59 40.9–.92	6.80S	123.20E	620	4.9b,4.6b		
IDC	II	06 09 59 44.9–.55	6.96S	123.28E	658–6	4.4,4.4		
ISCJB	II	06 09 59 44.1–.20	7.01S–.03	123.28E–.03	673–3	4.9b,4.4		
DJA	II	06 09 59 45	7.13S	123.25E	650	5.1b,4.4		
NEIC	II	06 09 59 45.1–.40	6.94S	123.24E	659–4	5.0b,4.4		

ISC Event type se.

MOS Error ellipse: s-maj=12.3km s-min=6.4km az=113.5.
IDC Error ellipse: s-maj=11.0km s-min=6.9km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.4km az=146.6.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.8km az=61.0.

(173) Tonga Islands

ISC	**II**	**07 21 51 56.4–.28**	**20.53S–.05**	**178.13W–.04**	**546–2**	**5.2b**	**1517**	**5-176**
DJA	II	07 21 50 46	20.33S	175.02W	10	6.0b		**¶13434374**
NEIC	II	07 21 51 56.4–.11	20.54S	178.21W	544	5.2b		
MOS	II	07 21 51 56.1–.86	20.37S	178.26W	541	5.3b		
BJI	II	07 21 51 56.2	20.17S	177.84W	551	5.2b,5.1b		
ISCJB	II	07 21 51 56.4–.53	20.56S–.04	178.25W–.03	551–6	5.1b,5.1b		
IDC	II	07 21 51 56.6–.49	20.48S	178.17W	539–4	4.7,4.7		
SZGRF	II	07 21 51 57.0	20.87S	177.40W	557	4.7,4.7		
BGS	II	07 21 51 58.3–5.5	20.54S	178.21W	544	5.2b,4.7		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.1km az=148.0.
MOS Error ellipse: s-maj=8.8km s-min=7.7km az=50.1.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=157.8.
IDC Error ellipse: s-maj=10.0km s-min=8.3km az=159.0.
SZGRF Fiji Islands region.
BGS Error ellipse: s-maj=362.4km s-min=999.9km az=-1.0.

(181) Fiji Islands region

ISC	**II**	**12 04 05 46.9–.34**	**20.60S–.07**	**177.72W–.07**	**500**	**4.4b**	**504**	**5-173**
SZGRF	II	12 04 04 52.4	20.82S	176.73W	33	4.4b		**¶11671950**
BJI	II	12 04 05 43.2	20.40S	177.70W	448	5.2b,4.8b		
ISCJB	II	12 04 05 46.6–.17	20.59S–.06	177.86W–.04	500	4.4b,4.8b		
NEIC	II	12 04 05 47.2–.61	20.58S	177.82W	502–7	4.5b,4.8b		
IDC	II	12 04 05 48.4–2.3	20.52S	177.82W	515–24	4.1,4.0		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.2km az=153.1.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.7km az=148.0.
IDC Error ellipse: s-maj=14.9km s-min=11.2km az=149.0.

(279) Flores Sea

ISC	**II**	**19 09 03 21.6–.25**	**7.52S–.03**	**120.64E–.03**	**593–2**	**5.1b**	**1241**	**2-169**
BJI	II	19 09 03 14.7	7.99S	121.21E	584	5.1b,4.6b		**¶11687979**
MOS	II	19 09 03 20.8–.97	7.21S	120.71E	583	5.0b,4.6b		
ISCJB	II	19 09 03 21.1–.17	7.50S–.02	120.63E–.02	602–2	5.1b,4.6b		
NEIC	II	19 09 03 21.4–.33	7.39S	120.64E	586–3	4.9b,4.6b		
IDC	II	19 09 03 21.8–.38	7.38S	120.71E	591–4	4.7,4.6		
TEH	II	19 09 03 21.0	7.41S	120.65E	578	4.9L,4.6		
DJA	II	19 09 03 22	7.54S	120.55E	587	4.9W,4.6		
BGS	II	19 09 03 24.2–1.9	5.32S	120.96E	586	4.9b,4.6		

ISC Event type se.
MOS Error ellipse: s-maj=10.5km s-min=5.9km az=118.6.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.8km az=179.2.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.4km az=50.0.
IDC Error ellipse: s-maj=7.9km s-min=4.7km az=58.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(181) Fiji Islands region

ISC	**II**	**20 01 46 18.4–.24**	**18.44S–.04**	**178.66W–.04**	**522–1**	**5.1b**	**1709**	**3-175**
BJI	II	20 01 46 16.7	18.27S	178.35W	518	5.0b,4.9b		**¶11712986**
NEIC	II	20 01 46 17.9–.10	18.37S	178.75W	515	5.6W,5.1b		
SZGRF	II	20 01 46 17.8	18.61S	176.23W	524	5.6W,5.1b		
DJA	II	20 01 46 17	19.17S	178.65W	514	5.1b,5.1b		
BGS	II	20 01 46 18.2–6.0	18.37S	178.75W	515	5.1b,5.1b		
ISCJB	II	20 01 46 18.7–.66	18.40S–.05	178.80W–.03	531–7	5.0b,5.1b		
IDC	II	20 01 46 18.3–.66	18.41S	178.69W	519–6	4.7,4.7		
MOS	II	20 01 46 19.0–.87	18.23S	178.76W	526	5.1b,4.7		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.0km az=152.0. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.46 $M_{\theta\theta}$1.22 $M_{\phi\phi}$0.25 $M_{r\theta}$2.02 $M_{\theta\phi}$1.28 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s27.00000°,δ31.00000°,λ-143.00000°. NP2:ϕ_s264.00000° ,δ72.00000°,λ-64.00000°. Principal axes: T 2.7600,Plg22.0000°,Azm334.0000° ; N 0.0000,Plg24.0000°,Azm75.0000°; P -2.7500,Plg55.0000°,Azm207.0000° $M_0$2.80000×10^{17}
SZGRF Fiji Islands region.
BGS Error ellipse: s-maj=358.8km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.5km az=163.0.
IDC Error ellipse: s-maj=11.8km s-min=8.6km az=153.0.
MOS Error ellipse: s-maj=8.4km s-min=7.2km az=49.8.

(181) Fiji Islands region

ISC	**II**	**22 09 00 50.1–.52**	**15.67S–.08**	**178.31W–.07**	**439–4**	**4.6b**	**652**	**4-177**
SZGRF	II	22 09 00 01.8	16.48S	177.74W	33	4.6b		**¶11713522**
ISCJB	II	22 09 00 49.8–.99	15.66S–.07	178.45W–.05	441–11	4.5b		
IDC	II	22 09 00 49.7–1.4	15.63S	178.36W	433–14	4.1,4.1		
NEIC	II	22 09 00 50.3–.62	15.72S	178.38W	442–7	4.6b,4.1		
BJI	II	22 09 00 50.0	15.70S	178.40W	438	5.1b,4.6b		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=5.4km az=157.9.
IDC Error ellipse: s-maj=15.9km s-min=8.5km az=148.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.6km az=149.0.

(171) South of Fiji Islands

ISC	**III**	**05 08 07 51.1–.41**	**24.80S–.06**	**179.86E–.05**	**499–3**	**4.6b**	**401**	**7-168**
IDC	III	05 08 07 50.9–1.1	24.65S	179.82E	496–11	4.2,4.1		**¶15153050**
BJI	III	05 08 07 50.0	24.63S	179.78E	491	5.0b,4.5b		
ISCJB	III	05 08 07 50.7–.82	24.76S–.05	179.76E–.04	502–9	4.6b,4.5b		
NEIC	III	05 08 07 50.9–.22	24.74S	179.83E	497	4.6b,4.5b		
AUST	III	05 08 07 51.9–1.6	24.58S	179.81W	539–0	4.6b,4.5b		
DJA	III	05 08 08 15.4–7.4	25S–24	178E–64	690–52	5.4b,4.9		

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

(181) Fiji Islands region

ISC	**III**	**05 08 30 31.3–.36**	**19.19S–.05**	**177.52W–.05**	**573–3**	**4.8b**	**763**	**4-174**
SZGRF	III	05 08 29 26.6	20.76S	176.98W	33	4.8b		**¶15153054**
ISCJB	III	05 08 30 29.3–.63	19.25S–.05	177.60W–.03	557–8	4.8b		
AUST	III	05 08 30 30.8–.00	19.16S	177.31W	578–0	4.8b		
IDC	III	05 08 30 31.3–.66	19.16S	177.56W	572–7	4.3,4.3		
NEIC	III	05 08 30 31.0–.16	19.21S	177.56W	573	4.7b,4.3		
BGS	III	05 08 30 31.3–2.5	19.21S	177.56W	573	4.7b,4.3		
DJA	III	05 08 30 31.1–.90	19S–12	178W–10	574–14	5.8,5.3		
BJI	III	05 08 30 33.1	18.66S	177.95W	573	4.9b,4.7b		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.3km az=160.0.
AUST Error ellipse: s-maj=1.3km s-min=1.1km az=293.0.
IDC Error ellipse: s-maj=10.3km s-min=7.8km az=157.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=146.0.
BGS Error ellipse: s-maj=250.3km s-min=999.9km az=-1.0.

(181) Fiji Islands region

ISC	**III**	**05 19 33 15.4–.23**	**17.52S–.04**	**178.91W–.03**	**538–1**	**5.3b**	**1684**	**3-176**
SZGRF	III	05 19 33 09.7	19.30S	179.65W	515	5.3b		**¶15153057**
BJI	III	05 19 33 12.6	17.39S	178.40W	535	5.3b,5.2b		
BGS	III	05 19 33 13.0–8.6	17.51S	179.06W	532	5.9b,5.2b		
ISCJB	III	05 19 33 13.5–.63	17.52S–.04	179.08W–.02	523–7	5.3b,5.2b		
IDC	III	05 19 33 13.9–.79	17.50S	179.00W	517–8	4.9b,4.9		
MOS	III	05 19 33 14.5–.83	17.50S	179.05W	537	5.5b,4.9		
DJA	III	05 19 33 14.8–.80	17S–7.0	179W–7.0	549–11	5.7b,5.4b		
NEIC	III	05 19 33 14.9–.12	17.51S	179.06W	532	5.8W,5.8W		
AUST	III	05 19 33 17.0–1.7	17.61S	178.89W	562–0	5.8W,5.8W		
GCMT	III	05 19 33 18.5–.20	17.46S	178.90W	553–1	5.9W,5.8W		

ISC Event type se.
SZGRF Fiji Islands region.
BGS Error ellipse: s-maj=418.4km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=2.7km az=164.2.
IDC Error ellipse: s-maj=9.4km s-min=7.0km az=161.0.
MOS Error ellipse: s-maj=9.0km s-min=7.6km az=137.7.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.3km az=151.0. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}1.05 $M_{\theta\theta}$3.19 $M_{\phi\phi}$-4.24 $M_{r\theta}$3.66 $M_{\theta\phi}$3.16 $M_{\phi r}$-0.15 Best double couple: NP1:ϕ_s118.00000°,δ78.00000°,λ34.00000°. NP2:ϕ_s20.00000° ,δ57.00000°,λ165.00000°. Principal axes: T 6.5100,Plg32.0000°,Azm344.0000° ; N -0.7600,Plg53.0000°,Azm135.0000°; P -5.7500,Plg13.0000°,Azm245.0000° $M_0$6.20000×10^{17}
AUST Error ellipse: s-maj=1.4km s-min=1.0km az=257.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s99,c194; s53,c54; Moment tensor: Scale 10^{17}Nm; M_{rr}1.21±.08 $M_{\theta\theta}$4.64±.12; $M_{\phi\phi}$-5.85±.12; $M_{r\theta}$4.01±.12; $M_{\theta\phi}$4.84±.11; $M_{\phi r}$-0.61±.12; Best double couple: NP1:ϕ_s21.00000°,δ61.00000°,λ170.00000°. NP2:ϕ_s116.00000°,δ81.00000°,λ29.00000°. Principal axes: T 8.3300,Plg27.0000° ,Azm342.0000°; N -0.1100,Plg59.0000°,Azm132.0000°; P -8.2200,Plg13.0000° ,Azm245.0000° $M_0$8.30000×10^{17}

(181) Fiji Islands region

ISC	**III**	**06 07 00 03.8–.31**	**20.04S–.07**	**177.71W–.05**	**550**	**4.7b**	**636**	**5-173**
SZGRF	III	06 06 59 01.6	21.57S	178.07W	33	4.7b		**¶15850250**
BJI	III	06 07 00 00.6	20.05S	176.92W	556	5.0b,4.7b		
IDC	III	06 07 00 01.9–1.6	19.93S	177.72W	527–19	4.3,4.3		
ISCJB	III	06 07 00 03.0–.14	20.06S–.05	177.80W–.03	550	4.7b,4.3		
NEIC	III	06 07 00 03.4–.51	19.96S	177.76W	544–6	4.6b,4.3		
DJA	III	06 07 00 06.1–5.0	20S–21	178W–26	565–42	5.4b,4.9		
AUST	III	06 07 00 08.0	19.99S	177.78W	600	5.4b,4.9		

ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=11.8km s-min=8.9km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=2.8km az=159.5.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.9km az=157.0.

(184) Santa Cruz Islands

ISC	**III**	**07 08 11 07.9–.43**	**12.23S–.07**	**167.15E–.09**	**317**	**4.5b**	**206**	**10-166**
IDC	III	07 08 11 02.8–2.4	12.08S	167.15E	265–21	4.0,4.0		**¶11788760**
NEIC	III	07 08 11 06.3–1.1	12.09S	167.06E	299–11	4.6b,4.0		
BJI	III	07 08 11 06.8	11.91S	166.70E	293	5.1b,4.7b		
ISCJB	III	07 08 11 07.0–.22	12.15S–.06	167.02E–.05	317	4.4b,4.7b		

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

(262) Celebes Sea

ISC	**III**	**12 02 43 38.6–.32**	**4.64N–.03**	**123.55E–.05**	**518–3**	**4.6b**	**423**	**2-172**
BJI	III	12 02 43 33.8	4.25N	123.94E	521	4.7b,4.6b		**¶12791149**
ISCJB	III	12 02 43 37.6–.19	4.67N–.02	123.53E–.03	519–2	4.6b,4.6b		
DJA	III	12 02 43 37.7–.40	5N–5.0	124E–3.0	507–4	5.8,5.3b		
IDC	III	12 02 43 38.0–.63	4.63N	123.48E	511–7	4.1,4.1		
NEIC	III	12 02 43 38.7–.36	4.65N	123.46E	520–4	4.6b,4.1		
TEH	III	12 02 43 39.0	4.64N	123.48E	524	4.7L,4.1		
AUST	III	12 02 43 40.4–.54	4.55N	123.47E	543–0	4.7L,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.3km az=160.2.
IDC Error ellipse: s-maj=10.4km s-min=5.1km az=71.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.5km az=69.0.
AUST Error ellipse: s-maj=1.2km s-min=0.9km az=227.0.

(661) Primorye

ISC	**III**	**13 09 07 02.0–.24**	**43.26N–.03**	**134.13E–.03**	**429–2**	**4.9b**	**1577**	**2-162**
BGS	III	13 09 06 49.6–1.8	41.53N	136.54E	430	4.9b		**¶11876999**
BJI	III	13 09 06 59.3	43.08N	134.28E	418	5.0b,4.8b		
NIED	III	13 09 07 00	43.10N	134.70E	460	5.2W,4.8b		
ISCJB	III	13 09 07 00.2–.15	43.26N–.02	134.05E–.02	415–1	4.8b,4.8b		
MOS	III	13 09 07 00.5–.78	43.32N	134.08E	418	4.9b,4.8b		
SZGRF	III	13 09 07 01.7	43.77N	135.48E	430	5.3b,4.8b		
SKHL	III	13 09 07 01.9–.50	43.27N	134.32E	422–18	5.8b,5.6s		
JMA	III	13 09 07 01.5–.30	43.11N	134.65E	475–5	5.3,5.6s		
IDC	III	13 09 07 02.5–.33	43.27N	134.04E	433–3	4.4,4.4		
DJA	III	13 09 07 02.0–1.0	43N–12	134E–14	436	5.0b,4.7		
NEIC	III	13 09 07 02.3–.09	43.27N	134.05E	429	5.0b,4.7		
GCMT	III	13 09 07 05.8–.40	43.37N	133.91E	444–2	5.2W,4.7		

ISC Event type se.
BGS Error ellipse: s-maj=739.6km s-min=999.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ65.00000°,λ99.00000°. NP2:ϕ_s335.00000°,δ26.00000°,λ72.00000°. $M_0$7.42000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=2.0km az=171.4.
MOS Error ellipse: s-maj=6.0km s-min=3.9km az=107.7.
SZGRF Primorye, Russia.
JMA Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=6.3km s-min=5.7km az=180.0.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=2.2km az=154.0.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s55,c75; Moment tensor: Scale 10^{16}Nm; M_{rr}7.21±.31 $M_{\theta\theta}$-1.65±.53; $M_{\phi\phi}$-5.57±.52; $M_{r\theta}$-2.51±.61; $M_{\theta\phi}$2.07±.47; $M_{\phi r}$-6.26±.59; Best double couple: NP1:ϕ_s323.00000°,δ29.00000°,λ53.00000°. NP2: ϕ_s184.00000°,δ67.00000°,λ108.00000°. Principal axes: T 10.6000,Plg63.0000° ,Azm123.0000°; N -2.3000,Plg17.0000°,Azm357.0000°; P -8.3000,Plg20.0000° ,Azm260.0000° $M_0$9.40000×10^{16}

(181) Fiji Islands region

ISC	**III**	**17 05 49 43.0–.35**	**21.56S–.05**	**177.90W–.05**	**372–2**	**4.5b**	**273**	**5-172**
AUST	III	17 05 49 37.1–2.0	21.15S	178.27W	280–0	4.5b		**¶15153234**
ISCJB	III	17 05 49 40.8–.76	21.44S–.05	178.01W–.05	356–8	4.5b		
BJI	III	17 05 49 41.6	21.45S	177.83W	367	4.9b,4.5b		
DJA	III	17 05 49 42.8–1.1	21S–14	178W–10	358–18	5.1,5.1b		
NEIC	III	17 05 49 44.4–.98	21.55S	177.94W	389–9	4.7b,5.1b		
IDC	III	17 05 49 45.2–.78	21.48S	178.02W	393–7	4.1,4.1		

ISC Event type se.
AUST Error ellipse: s-maj=2.0km s-min=1.1km az=287.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.8km az=137.6.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.4km az=137.0.
IDC Error ellipse: s-maj=14.7km s-min=9.7km az=138.0.

(181) Fiji Islands region

ISC	**III**	**17 08 56 56.3–.36**	**20.40S–.06**	**178.57W–.05**	**613–3**	**4.6b**	**934**	**4-173**
MOS	III	17 08 56 52.3–.94	20.26S	178.70W	569	4.6b		**¶15153230**
BJI	III	17 08 56 54.6	20.21S	178.15W	615	5.0b,4.7b		
AUST	III	17 08 56 54.4–.01	20.32S	178.29W	607–0	5.0b,4.7b		
SZGRF	III	17 08 56 55.1	20.61S	178.47W	600	5.0b,4.7b		
ISCJB	III	17 08 56 56.4–.66	20.36S–.05	178.78W–.03	618–8	4.7b,4.7b		
IDC	III	17 08 56 57.5–.69	20.39S	178.67W	621–8	4.2,4.1b		
NEIC	III	17 08 56 57.3–.50	20.35S	178.74W	619–6	4.7b,4.1b		
BGS	III	17 08 56 57.8–5.5	20.35S	178.74W	619	4.7b,4.1b		

ISC Event type se.
MOS Error ellipse: s-maj=10.3km s-min=9.1km az=147.3.
AUST Error ellipse: s-maj=1.5km s-min=1.3km az=277.0.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.5km az=164.1.
IDC Error ellipse: s-maj=10.3km s-min=7.8km az=161.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=157.0.
BGS Error ellipse: s-maj=458.7km s-min=999.9km az=-1.0.

(181) Fiji Islands region

ISC	**III**	**20 12 26 02.8–.30**	**21.49S–.04**	**179.30W–.04**	**620–2**	**5.2b**	**1476**	**4-175**
DJA	III	20 12 25 57.4–.40	21S–10	180W–6.0	500	5.5b,5.5		**¶15153328**
MOS	III	20 12 26 00.2–.82	21.30S	179.38W	593	5.2b,5.5		
IDC	III	20 12 26 01.1–.90	21.39S	179.31W	596–10	4.7b,4.7		
AUST	III	20 12 26 01.9	21.60S	179.25W	600	4.7b,4.7		
BJI	III	20 12 26 01.4	21.20S	179.00W	620	5.4b,5.1b		
ISCJB	III	20 12 26 01.3–.45	21.43S–.04	179.39W–.02	611–5	5.2b,5.1b		
NEIC	III	20 12 26 03.1–.40	21.48S	179.38W	622–4	5.0b,5.1b		
SZGRF	III	20 12 26 04.0	21.68S	179.12W	635	5.0b,5.1b		
BGS	III	20 12 26 05.2–5.3	21.48S	179.38W	622	5.0b,5.1b		
GCMT	III	20 12 26 05.8–.50	21.43S	179.29W	620–3	5.5W,5.1b		

ISC Event type se.
MOS Error ellipse: s-maj=8.9km s-min=7.3km az=49.6.
IDC Error ellipse: s-maj=8.4km s-min=7.4km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=2.6km az=164.7.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.3km az=154.0.
SZGRF Fiji Islands region.
BGS Error ellipse: s-maj=347.4km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s49,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.33±.07 $M_{\theta\theta}$0.04±.10; $M_{\phi\phi}$0.29±.10; $M_{r\theta}$0.59±.12; $M_{\theta\phi}$-0.69±.10; $M_{\phi r}$-1.65±.09; Best double couple: NP1:ϕ_s99.00000°,δ17.00000°,λ-152.00000°. NP2: ϕ_s343.00000°,δ82.00000°,λ-75.00000°. Principal axes: T 2.0700,Plg36.0000°,Azm60.0000° ; N -0.3700,Plg15.0000°,Azm161.0000°; P -1.7000,Plg51.0000°,Azm269.0000°

$M_0$1.90000×10^{17}

(211) Southeast of Honshu

ISC	**III**	**25 13 13 52.5–.32**	**30.07N–.03**	**139.10E–.04**	**392–2**	**4.3b**	**544**	**3-154**
NIED	III	25 13 13 00	30.10N	139.50E	400	4.7W		**¶12060874**
ISCJB	III	25 13 13 50.9–.29	30.08N–.03	139.04E–.02	385–2	4.3b		
MOS	III	25 13 13 51.7–.92	30.10N	139.01E	400	4.3b		
JMA	III	25 13 13 51.1–.20	30.14N	139.50E	405–4	4.7		
BJI	III	25 13 13 51.6	30.10N	138.95E	392	4.9b,4.6b		
NEIC	III	25 13 13 52.4–.17	30.08N	139.06E	391	4.7W,4.6b		
IDC	III	25 13 13 52.8–.51	30.06N	139.01E	394–5	4.1,4.0		
DJA	III	25 13 13 53.2–1.9	30N–8.0	139E–11	402–28	5.3b,4.8b		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ64.00000°,λ-52.00000°. NP2:ϕ_s309.00000°,δ45.00000°,λ-142.00000°. $M_0$1.18000×10^{16}

ISCJB Event type se.

NEIC Event type se. Moment Tensor Solution. $M_0$1.20000×10^{16}

(171) South of Fiji Islands

ISC	**III**	**27 10 41 24.8–.35**	**24.10S–.05**	**179.51E–.04**	**561–3**	**5.0b**	**480**	**6-169**
SZGRF	III	27 10 40 21.5	25.19S	178.86W	33	5.0b		**¶15153442**
ISCJB	III	27 10 41 22.4–.56	24.07S–.04	179.36E–.03	535–7	4.8b		
MOS	III	27 10 41 22.3–1.9	23.91S	179.47E	532	5.0b		
IDC	III	27 10 41 23.2–1.1	24.06S	179.36E	538–10	4.2b,4.2		
NEIC	III	27 10 41 23.6–.55	24.06S	179.51E	548–6	5.1b,4.2		
AUST	III	27 10 41 23.9–.01	23.92S	179.67E	560–0	5.1b,4.2		
DJA	III	27 10 41 23.3–1.2	24S–12	180E–11	558–19	5.4b,5.2b		
BJI	III	27 10 41 25.0	23.97S	179.48E	572	5.2b,4.9b		

ISC Event type se.

SZGRF South of Fiji Islands.

ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=162.8.

MOS Error ellipse: s-maj=11.2km s-min=9.5km az=20.0.

IDC Error ellipse: s-maj=10.4km s-min=9.3km az=150.0.

NEIC Event type se. Error ellipse: s-maj=7.0km s-min=6.7km az=141.0.

AUST Error ellipse: s-maj=1.4km s-min=0.9km az=283.0.

(181) Fiji Islands region

ISC	**III**	**28 15 58 50.9–.43**	**21.55S–.07**	**177.81W–.08**	**400**	**4.3b**	**110**	**8-172**
SZGRF	III	28 15 58 07.9	21.45S	174.67W	33	4.3b		**¶15153455**
NEIC	III	28 15 58 23.0–.89	21.07S	177.91W	125–8	4.7b		
BJI	III	28 15 58 24.5	20.61S	178.64W	108	5.3b,4.9b		
IDC	III	28 15 58 50.8–2.3	21.46S	177.91W	384–23	3.9,3.8		
ISCJB	III	28 15 58 51.0–.33	21.62S–.06	177.86W–.07	400	4.3b,3.8		
AUST	III	28 15 58 52.3–1.4	21.12S	177.74W	416–0	4.3b,3.8		

ISC Event type se.

SZGRF Tonga Islands.

NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.1km az=112.0.

IDC Error ellipse: s-maj=16.5km s-min=11.8km az=142.0.

ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.8km az=43.2.

AUST Error ellipse: s-maj=2.1km s-min=1.4km az=351.0.

(279) Flores Sea

ISC	**III**	**28 20 31 55.4–.32**	**7.40S–.03**	**119.62E–.04**	**442–2**	**4.5b**	**343**	**2-155**
BJI	III	28 20 31 47.4	8.14S	119.97E	442	4.7b,4.4b		**¶15153449**
ISCJB	III	28 20 31 54.5–.19	7.34S–.02	119.59E–.02	446–2	4.4b,4.4b		
MOS	III	28 20 31 54.7–.87	7.23S	119.64E	448	4.4b,4.4b		
DJA	III	28 20 31 55.2–.10	7S–2.0	120E–1.0	437–2	6.7,5.1b		
NEIC	III	28 20 31 55.6–.43	7.26S	119.66E	445–4	4.4b,5.1b		
IDC	III	28 20 31 55.3–.55	7.31S	119.65E	437–5	4.1,4.1		
AUST	III	28 20 31 55.1–.01	7.31S	119.61E	436–0	4.1,4.1		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=44.4.

MOS Error ellipse: s-maj=13.1km s-min=6.8km az=115.9.

NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.2km az=59.0.

IDC Error ellipse: s-maj=13.5km s-min=5.8km az=60.0.

AUST Error ellipse: s-maj=0.8km s-min=0.6km az=225.0.

(262) Celebes Sea

ISC	**III**	**30 07 53 59.3–.48**	**3.80N–.07**	**122.3E–.10**	**604**	**4.1b**	**49**	**3-119**
ISCJB	III	30 07 53 58.2–.32	3.88N–.06	122.41E–.09	604	4.1b		**¶12635927**
DJA	III	30 07 53 59.4–.50	4N–6.0	122E–7.0	600–4	5.1b,4.9		
IDC	III	30 07 54 00.2–1.1	3.81N	122.44E	617–14	3.5b,3.5		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.5km az=152.0.

IDC Error ellipse: s-maj=21.4km s-min=6.9km az=69.0.

(211) Southeast of Honshu

ISC	**III**	**30 14 01 37.0–.48**	**33.20N–.05**	**137.91E–.05**	**333–3**	**4.2b**	**161**	**1-151**
NIED	III	30 14 01 00	33.20N	138.00E	320	4.5W		**¶13437659**
BJI	III	30 14 01 34.8	33.26N	137.90E	334	4.7b,4.5b		
MOS	III	30 14 01 35.3–.88	33.18N	137.82E	330	4.2b,4.5b		
JMA	III	30 14 01 35.0–.30	33.24N	138.04E	349–3	3.8,4.5b		
IDC	III	30 14 01 36.8–.82	33.16N	137.80E	328–7	4.0,4.0		
ISCJB	III	30 14 01 36.1–.31	33.19N–.04	137.89E–.05	339–1	4.2b,4.0		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ89.00000°,λ-65.00000°. NP2:ϕ_s103.00000°,δ25.00000°,λ-178.00000°. $M_0$5.65000×10^{15}

ISCJB Event type ke.

(280) Banda Sea

ISC	**III**	**31 01 55 30.6–.34**	**5.76S–.04**	**126.81E–.05**	**478–3**	**4.5b**	**232**	**2-157**
BJI	III	31 01 55 25.6	6.16S	126.90E	479	4.6b,4.5b		**¶15153484**
ISCJB	III	31 01 55 29.9–.23	5.67S–.03	126.85E–.03	485–3	4.4b,4.5b		
AUST	III	31 01 55 29.9–.01	5.79S	126.68E	467–0	4.4b,4.5b		
DJA	III	31 01 55 30.4–.30	6S–4.0	127E–3.0	474–5	5.3b,5.0		
NEIC	III	31 01 55 30.3–.57	5.71S	126.82E	478–7	4.6b,5.0		
IDC	III	31 01 55 30.2–.84	5.71S	126.81E	475–9	3.9,3.8b		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=139.8.

AUST Error ellipse: s-maj=1.1km s-min=0.7km az=227.0.

NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.3km az=53.0.

IDC Error ellipse: s-maj=12.0km s-min=6.4km az=64.0.

(171) South of Fiji Islands

ISC	**III**	**31 22 21 53.3–.27**	**25.49S–.04**	**179.64E–.04**	**495–2**	**4.8b**	**593**	**4-168**
DJA	III	31 22 21 51.0–4.8	26S–32	180E–44	507–46	5.6b,5.4b		**¶15153497**
AUST	III	31 22 21 52.9–.01	25.31S	179.81E	497–0	5.6b,5.4b		
MOS	III	31 22 21 52.0–2.0	25.39S	179.64E	479	4.9b,5.4b		
ISCJB	III	31 22 21 52.8–.49	25.52S–.03	179.55E–.03	493–5	4.8b,5.4b		
IDC	III	31 22 21 53.0–.45	25.49S	179.64E	492–4	4.4,4.4		
NEIC	III	31 22 21 53.0–.17	25.50S	179.58E	491	4.7b,4.4		
BJI	III	31 22 21 56.0	24.74S	179.39E	501	4.8b,4.6b		
SZGRF	III	31 22 22 14.3	19.99S	179.89E	484	4.8b,4.6b		

ISC Event type se.

AUST Error ellipse: s-maj=1.1km s-min=0.9km az=270.0.

MOS Error ellipse: s-maj=10.1km s-min=10.0km az=90.8.

ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.8km az=158.7.

IDC Error ellipse: s-maj=7.7km s-min=7.4km az=155.0.

NEIC Event type se. Error ellipse: s-maj=6.2km s-min=5.7km az=131.0.

SZGRF South of Fiji Islands.

(661) Primorye

ISC	**IV**	**06 05 09 34.5–.36**	**42.86N–.04**	**131.73E–.04**	**529–4**	**4.3b**	**520**	**0-149**
BJI	IV	06 05 09 30.8	42.84N	132.26E	548	5.2b,4.8b		**¶12576598**
ISCJB	IV	06 05 09 33.5–.18	42.89N–.02	131.61E–.03	517–2	4.3b,4.8b		
SKHL	IV	06 05 09 33.3–1.0	42.88N	131.75E	526–5	5.4b,5.1s		
MOS	IV	06 05 09 33.2–.86	42.95N	131.69E	523	4.3b,5.1s		
JMA	IV	06 05 09 33.9–.30	42.84N	132.15E	561	4.6,5.1s		
NEIC	IV	06 05 09 34.1–.40	42.93N	131.67E	522–7	4.5b,5.1s		
IDC	IV	06 05 09 34.9–.33	42.89N	131.65E	528–3	3.8,3.8		
DJA	IV	06 05 09 39.8–3.6	43N–13	131E–32	584–35	4.7b,4.7b		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

(171) South of Fiji Islands

ISC	**IV**	**10 14 58 32.5–.49**	**21.27S–.06**	**178.71W–.06**	**555–4**	**4.5b**	**619**	**5-172**
SZGRF	IV	10 14 57 29.9	22.67S	177.39W	33	4.5b		**¶13438338**
BJI	IV	10 14 58 32.5	20.89S	178.61W	553	4.9b,4.5b		
NEIC	IV	10 14 58 34.0–.72	21.14S	178.83W	570–8	4.5b,4.5b		
IDC	IV	10 14 58 33.8–1.2	21.00S	178.85W	560–12	4.0,3.9		
BGS	IV	10 14 58 36.2–4.8	21.14S	178.83W	570	4.5b,3.9		
DJA	IV	10 14 58 50.2–3.8	21S–10	180E–37	697–26	5.2b,4.6		

ISC Event type se.

SZGRF South of Fiji Islands.

NEIC Event type se.

(181) Fiji Islands region

ISC	**IV**	**12 04 50 31.7–.36**	**17.90S–.05**	**178.38W–.04**	**589–3**	**4.5b**	**561**	**3-175**
SZGRF	IV	12 04 49 28.3	18.26S	177.51W	33	4.5b		**¶15153663**
BJI	IV	12 04 50 28.8	17.88S	177.53W	601	4.7b,4.5b		
IDC	IV	12 04 50 30.9–1.2	17.80S	178.45W	573–14	4.1,4.1		
ISCJB	IV	12 04 50 31.0–.55	17.94S–.04	178.47W–.03	587–7	4.6b,4.1		
DJA	IV	12 04 50 31.5–.90	18S–9.0	178W–7.0	582–12	5.2b,4.8b		
NEIC	IV	12 04 50 32.5–.54	17.89S	178.46W	598–6	4.7b,4.8b		
BGS	IV	12 04 50 33.3–2.9	17.89S	178.46W	598	4.7b,4.8b		
AUST	IV	12 04 50 33.9–.01	17.95S	178.33W	611–0	4.7b,4.8b		

ISC Event type se.

SZGRF Fiji Islands region.

IDC Error ellipse: s-maj=11.0km s-min=8.0km az=155.0.

ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.8km az=158.2.

NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.4km az=165.0.

BGS Error ellipse: s-maj=321.4km s-min=999.9km az=-1.0.

AUST Error ellipse: s-maj=1.3km s-min=1.1km az=263.0.

(211) Southeast of Honshu

ISC	**IV**	**12 17 15 12.0–.49**	**29.66N–.05**	**138.52E–.05**	**472–4**	**4.1b**	**149**	**4-152**
NIED	IV	12 17 15 00	29.80N	138.80E	520	4.5W		**¶13438441**
JMA	IV	12 17 15 10.7–.30	29.76N	138.84E	501–5	3.7		
ISCJB	IV	12 17 15 11.1–.30	29.67N–.03	138.53E–.05	478–3	4.1b		
MOS	IV	12 17 15 11.0–.87	29.66N	138.27E	473	4.2b		
IDC	IV	12 17 15 12.1–.67	29.67N	138.34E	468–7	3.7,3.7		
BJI	IV	12 17 15 13.9	29.70N	138.28E	508	4.8b,4.8b		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ85.00000°,λ50.00000°. NP2:ϕ_s26.00000°,δ40.00000°,λ172.00000°. $M_0$6.46000×10^{15}

JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.

ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=160.6.

MOS Error ellipse: s-maj=12.6km s-min=6.7km az=100.4.

IDC Error ellipse: s-maj=9.5km s-min=6.7km az=103.0.

(181) Fiji Islands region

ISC	**IV**	**13 05 30 41.4–.29**	**17.84S–.05**	**178.62W–.04**	**550–2**	**4.9b**	**1190**	**3-175**
BJI	IV	13 05 30 37.6	17.59S	177.87W	538	4.9b,4.8b		**¶15153692**
SZGRF	IV	13 05 30 40.1	18.74S	179.85W	33	4.9b,4.8b		
IDC	IV	13 05 30 41.1–.56	17.86S	178.64W	548–6	4.4,4.4		
ISCJB	IV	13 05 30 41.8–.43	17.87S–.04	178.71W–.03	563–5	4.8b,4.4		
NEIC	IV	13 05 30 42.7–.45	17.84S	178.73W	565–5	4.9b,4.4		
AUST	IV	13 05 30 43.4–.01	17.89S	178.54W	576–0	4.9b,4.4		
BGS	IV	13 05 30 43.5–3.5	17.84S	178.73W	565	4.9b,4.4		
GCMT	IV	13 05 30 43.9–.30	17.79S	178.56W	563–2	5.2W,4.4		
DJA	IV	13 05 30 44.2–5.2	18S–15	179W–22	550–48	5.2b,4.9		

ISC Event type se.

SZGRF Fiji Islands region.

ISCJB Event type se.

NEIC Event type se.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}8.52±.29 $M_{\theta\theta}$-0.99±.60; $M_{\phi\phi}$-7.54±.50; $M_{r\theta}$4.62±.57; $M_{\theta\phi}$0.48±.48; $M_{\theta r}$0.33±.56; Best double couple: NP1:ϕ_s17.00000°,δ49.00000°,λ120.00000°. NP2: ϕ_s155.00000°,δ49.00000°,λ60.00000°. Principal axes: T 10.4000,Plg68.0000°,Azm356.0000° ; N -2.8000,Plg22.0000°,Azm176.0000°; P -7.6000,Plg0.0000°,Azm266.0000° $M_0$9.00000×10^{16}

(280) Banda Sea

ISC	**IV**	**13 13 36 46.1–.23**	**6.85S–.03**	**125.07E–.03**	**549–2**	**5.3b**	**1132**	**3-164**
BJI	IV	13 13 36 39.2	7.39S	125.39E	538	5.4b,5.3b		**¶15153694**
AUST	IV	13 13 36 45.8–.13	6.84S	125.02E	544–0	5.4b,5.3b		
MOS	IV	13 13 36 45.8–.83	6.75S	125.15E	556	5.3b,5.3b		
IDC	IV	13 13 36 46.9–.63	6.81S	125.11E	555–6	4.7,4.7		
TEH	IV	13 13 36 46.0	6.84S	125.07E	547	5.4L,4.7		
DJA	IV	13 13 36 46.7–.10	7S–2.0	125E–2.0	552–2	5.8,5.6b		
NEIC	IV	13 13 36 46.3–.40	6.82S	125.09E	554–4	5.2b,5.6b		
ISCJB	IV	13 13 36 46.2–.18	6.86S–.02	125.07E–.02	564–2	5.2b,5.6b		
GCMT	IV	13 13 36 49.2–.30	6.80S	125.17E	555–2	5.6W,5.6b		

ISC Event type se.

AUST Error ellipse: s-maj=0.6km s-min=0.6km az=40.0.

MOS Error ellipse: s-maj=10.7km s-min=5.6km az=118.4.

IDC Error ellipse: s-maj=8.8km s-min=5.0km az=65.0.

NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=60.0.

ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.6km az=144.3.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c107; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.11±.05 $M_{\theta\theta}$-1.28±.07; $M_{\phi\phi}$2.39±.07; $M_{r\theta}$-1.35±.08; $M_{\theta\phi}$-0.31±.07; $M_{\theta r}$-1.58±.09; Best double couple: NP1:ϕ_s138.00000°,δ40.00000° ,λ-158.00000°. NP2:ϕ_s31.00000°,δ76.00000°,λ-53.00000°. Principal axes: T 3.0100,Plg22.0000°,Azm93.0000°; N -0.1200,Plg36.0000°,Azm200.0000° ; P -2.8900,Plg46.0000°,Azm339.0000° $M_0$3.00000×10^{17}

(280) Banda Sea

ISC	**IV**	**14 20 11 24.1–.36**	**6.45S–.04**	**128.24E–.05**	**333–3**	**4.3b**	**193**	**3-152**
BJI	IV	14 20 11 21.5	6.53S	128.53E	347	4.4b,4.4b		**¶15153709**
ISCJB	IV	14 20 11 22.9–.28	6.36S–.02	128.25E–.03	336–3	4.2b,4.4b		
AUST	IV	14 20 11 22.0–.18	6.38S	128.11E	311–0	4.2b,4.4b		
NEIC	IV	14 20 11 23.3–.25	6.36S	128.16E	326	4.5b,4.4b		
IDC	IV	14 20 11 24.1–1.3	6.42S	128.16E	334–13	4.1,4.1		
DJA	IV	14 20 11 24.7–.20	6S–4.0	128E–3.0	317–7	6.1,5.3b		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

(193) Bougainville - Solomon Islands region

ISC	**IV**	**17 16 11 56.0–.24**	**9.25S–.03**	**159.01E–.03**	**519–2**	**5.2b**	**850**	**1-164**
BJI	IV	17 16 11 54.3	9.04S	159.29E	520	5.0b,4.9b		**¶15153768**
ISCJB	IV	17 16 11 55.7–.38	9.26S–.02	158.87E–.02	522–4	5.2b,4.9b		
NEIC	IV	17 16 11 56.2–.13	9.23S	159.00E	524	4.9b,4.9b		
IDC	IV	17 16 11 56.4–.28	9.23S	158.97E	521–2	4.7,4.6		
GCMT	IV	17 16 11 59.0–.30	9.29S	158.95E	522–2	5.4W,4.6		
DJA	IV	17 16 11 59.3–.80	9S–3.0	159E–5.0	555–8	5.6b,5.5b		
AUST	IV	17 16 12 01.3	9.12S	159.03E	600	5.6b,5.5b		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.1km az=8.7.

NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=114.0.

IDC Error ellipse: s-maj=7.9km s-min=5.9km az=73.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s73,c111; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.16±.05 $M_{\theta\theta}$1.41±.08; $M_{\phi\phi}$-0.25±.09; $M_{r\theta}$0.55±.10; $M_{\theta\phi}$0.65±.08; $M_{\theta r}$-0.80±.10; Best double couple: NP1:ϕ_s42.00000°,δ49.00000°,λ-138.00000°. NP2:ϕ_s281.00000°,δ60.00000°,λ-49.00000°. Principal axes: T 1.6600,Plg6.0000° ,Azm344.0000°; N 0.1600,Plg34.0000°,Azm78.0000°; P -1.8300,Plg55.0000°,Azm245.0000° $M_0$1.80000×10^{17}

(660) Sea of Japan

ISC	**IV**	**18 03 56 31.2–.20**	**42.82N–.03**	**130.70E–.03**	**568**	**4.9b**	**1721**	**1-169**
SZGRF	IV	18 03 55 25.7	41.67N	133.81E	33	5.4b		**¶13438803**
NIED	IV	18 03 56 00	43.00N	131.30E	700	5.2W		
JMA	IV	18 03 56 28.4–.30	42.96N	131.25E	671	5.0		
BGS	IV	18 03 56 29.5–1.9	42.40N	130.07E	564	4.5b		
SKHL	IV	18 03 56 29.9–1.7	42.82N	130.62E	564–10	5.6b,5.6s		
MOS	IV	18 03 56 30.0–.84	42.85N	130.55E	562	5.0b,5.6s		
BJI	IV	18 03 56 30.6	42.80N	130.50E	564	5.4b,5.1b		
ISCJB	IV	18 03 56 30.5–.07	42.82N–.02	130.51E–.02	563	4.8b,5.1b		
TEH	IV	18 03 56 30.1	42.95N	130.69E	570	4.8L,5.1b		
NEIC	IV	18 03 56 31.3–.10	42.84N	130.48E	564	4.9b,5.1b		
IDC	IV	18 03 56 31.6–.33	42.83N	130.62E	571–3	4.4,4.4		
DJA	IV	18 03 56 36.5–2.7	43N–8.0	130E–28	609–23	5.3b,4.9b		

ISC Event type se.

SZGRF Sea of Japan.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ83.00000°,λ-65.00000°. NP2:ϕ_s116.00000°,δ26.00000°,λ-164.00000°. $M_0$6.97000×10^{16}

ISCJB Event type se.

NEIC Event type se.

(181) Fiji Islands region

ISC	**IV**	**18 17 49 39.7–.23**	**20.61S–.04**	**178.38W–.03**	**569–1**	**5.1b**	**1607**	**4-176**
NOU	IV	18 17 49 07.5–.30	18.40S	177.80W	30	5.1b		¶15153797
MOS	IV	18 17 49 36.8–.93	20.43S	178.52W	533	5.0b		
DJA	IV	18 17 49 38.9–.70	21S–5.0	178W–6.0	553–10	6.4,5.8b		
ISCJB	IV	18 17 49 38.2–.50	20.67S–.03	178.48W–.02	555–6	5.1b,5.8b		
BJI	IV	18 17 49 38.8	20.29S	177.97W	572	5.4b,5.2b		
NEIC	IV	18 17 49 39.5–.12	20.61S	178.48W	566	5.7W,5.0b		
IDC	IV	18 17 49 40.5–.47	20.55S	178.46W	570–5	4.6,4.6		
AUST	IV	18 17 49 41.2–.02	20.58S	178.38W	578–0	4.6,4.6		
GCMT	IV	18 17 49 42.1–.20	20.58S	178.41W	575–1	5.7W,4.6		
SZGRF	IV	18 17 49 42.1	20.72S	177.48W	595	5.7W,4.6		

ISC Event type se.
NOU Error ellipse: s-maj=221.8km s-min=899.0km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=7.5km az=61.7.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.8km az=160.6.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.0km az=147.0. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93 $M_{\theta\theta}$1.04 $M_{\phi\phi}$-0.11 $M_{r\theta}$-2.43 $M_{\theta\phi}$-1.19 $M_{\phi r}$-3.98 Best double couple: NP1:ϕ_s148.00000°,δ1.00000°,λ-153.00000°. NP2:ϕ_s31.00000°,δ90.00000°,λ-90.00000°. Principal axes: T 3.7700,Plg44.0000°,Azm120.0000° ; N 1.7900,Plg0.0000°,Azm211.0000°; P -5.5600,Plg45.0000°,Azm301.0000° M_o4.90000×10^{17}
IDC Error ellipse: s-maj=8.4km s-min=6.7km az=158.0.
AUST Error ellipse: s-maj=1.0km s-min=0.8km az=287.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c164; s42,c42; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.27±.05 $M_{\theta\theta}$0.49±.08; $M_{\phi\phi}$0.78±.08; $M_{r\theta}$-2.78±.08; $M_{\theta\phi}$0.07±.07; $M_{\phi r}$-3.76±.07; Best double couple: NP1:ϕ_s203.00000°,δ6.00000°,λ-103.00000°. NP2:ϕ_s36.00000°,δ84.00000°,λ-89.00000°. Principal axes: T 4.5200,Plg39.0000° ,Azm125.0000°; N 0.5300,Plg1.0000°,Azm216.0000°; P -5.0500,Plg51.0000°,Azm308.0000° M_o4.80000×10^{17}
SZGRF Fiji Islands region.

(112) Peru-Brazil border region

ISC	**IV**	**21 17 32 24.1–.39**	**9.73S–.04**	**71.25W–.05**	**631–4**	**4.7b**	**792**	**6-167**
BJI	IV	21 17 32 22.2	9.60S	71.20W	616	5.2b		¶12638918
NEIC	IV	21 17 32 23.6–.16	9.61S	71.22W	619	4.8b		
ISCJB	IV	21 17 32 23.3–.37	9.57S–.04	71.27W–.03	627–5	4.7b		
IDC	IV	21 17 32 24.1–.44	9.70S	71.28W	628–5	4.2,4.2		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.7km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.6km az=28.9.
IDC Error ellipse: s-maj=10.1km s-min=6.5km az=55.0.

(181) Fiji Islands region

ISC	**IV**	**22 16 48 04.4–.40**	**19.88S–.06**	**177.69W–.06**	**540–3**	**4.6b**	**604**	**5-173**
ISCJB	IV	22 16 48 01.3–.87	19.60S–.06	177.90W–.05	504–10	4.6b		¶13438995
BGS	IV	22 16 48 04.3–3.7	19.68S	177.82W	534	4.6b		
NEIC	IV	22 16 48 04.3–.18	19.68S	177.82W	534	4.6b		
BJI	IV	22 16 48 04.5	19.87S	177.64W	555	5.1b,4.5b		
IDC	IV	22 16 48 04.3–.69	19.64S	177.87W	531–7	4.2,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.9km az=156.9.
BGS Error ellipse: s-maj=482.1km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.3km az=148.0.
IDC Error ellipse: s-maj=12.2km s-min=8.4km az=141.0.

(181) Fiji Islands region

ISC	**IV**	**23 08 59 36.0–.52**	**17.60S–.08**	**177.28W–.07**	**387–4**	**4.5b**	**503**	**4-175**
BJI	IV	23 08 59 29.6	18.32S	176.52W	383	5.0b,4.5b		¶12668803
IDC	IV	23 08 59 30.4–1.3	17.52S	177.24W	331–13	4.3,4.1		
ISCJB	IV	23 08 59 35.6–1.0	17.64S–.07	177.41W–.05	395–10	4.4b,4.1		
NEIC	IV	23 08 59 35.9–.72	17.63S	177.35W	387–7	4.5b,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=8.8km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.4km az=152.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.5km az=146.0.

(278) Bali Sea

ISC	**IV**	**23 10 51 20.5–.62**	**7.73S–.05**	**117.25E–.04**	**307–6**	**4.2b**	**147**	**2-153**
BJI	IV	23 10 51 11.1	8.56S	117.59E	293	4.5b,4.4b		¶15153914
ISCJB	IV	23 10 51 19.8–.27	7.74S–.03	117.25E–.03	314–3	4.2b,4.4b		
IDC	IV	23 10 51 20.4–1.1	7.70S	117.31E	307–10	3.9,3.8		
NEIC	IV	23 10 51 20.4–.87	7.70S	117.26E	307–9	4.3b,3.8		
AUST	IV	23 10 51 21.3	7.98S	117.46E	300	4.3b,3.8		
DJA	IV	23 10 51 21.7–.20	8S–3.0	117E–3.0	279–4	5.3b,4.9		

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

(279) Flores Sea

ISC	**IV**	**25 10 23 36.7–.55**	**7.20S–.07**	**119.64E–.06**	**450**	**3.8b**	**41**	**2-68**
ISCJB	IV	25 10 23 35.3–.32	7.23S–.06	119.56E–.05	450	3.9b		¶15153950
AUST	IV	25 10 23 35.6–.01	7.15S	119.55E	428–0	3.9b		
IDC	IV	25 10 23 36.4–1.2	7.15S	119.70E	433–9	3.5,3.4		
DJA	IV	25 10 23 38.1–2.6	7S–7.0	119E–9.0	400–34	5.1b,4.6b		

ISC Event type ke.
ISCJB Event type ke.

(279) Flores Sea

ISC	**IV**	**30 00 44 49.7–.26**	**7.43S–.03**	**120.16E–.04**	**539–2**	**4.7b**	**393**	**1-155**
AUST	IV	30 00 44 48.9–.25	7.38S	120.14E	525–0	4.7b		¶15154025
NEIC	IV	30 00 44 49.4–.18	7.28S	120.19E	538	4.8b		
DJA	IV	30 00 44 49.3–.10	7S–2.0	120E–2.0	546–2	6.8,5.5b		
IDC	IV	30 00 44 49.9–.44	7.25S	120.22E	538–4	4.0,4.0		
ISCJB	IV	30 00 44 49.1–.16	7.38S–.02	120.17E–.02	548–2	4.6b,4.0		

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

(280) Banda Sea

ISC	**V**	**01 09 07 53.2–.27**	**6.85S–.03**	**126.93E–.04**	**407**	**4.3b**	**219**	**3-157**
BJI	V	01 09 07 46.7	7.38S	127.23E	410	4.4b,4.3b		¶15154040
ISCJB	V	01 09 07 52.2–.19	6.78S–.02	126.92E–.03	407	4.3b,4.3b		
DJA	V	01 09 07 53.9–.20	7S–3.0	127E–2.0	404–4	5.0b,5.0		
NEIC	V	01 09 07 53.7–.44	6.76S	126.89E	415–4	4.6b,5.0		
AUST	V	01 09 07 53.4–.32	6.79S	126.82E	410–0	4.6b,5.0		
IDC	V	01 09 07 53.2–1.1	6.79S	126.92E	407–11	4.0,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.1km az=154.3.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=71.0.
AUST Error ellipse: s-maj=0.8km s-min=0.6km az=41.0.
IDC Error ellipse: s-maj=11.4km s-min=6.3km az=77.0.

(181) Fiji Islands region

ISC	**V**	**01 12 06 06.6–.36**	**21.01S–.04**	**177.14W–.05**	**314–2**	**4.9b**	**807**	**6-177**
SZGRF	V	01 12 05 30.8	21.78S	176.45W	33	4.9b		¶15154037
DJA	V	01 12 05 56.6–3.5	21S–9.0	177W–14	224–34	4.8,4.8b		
ISCJB	V	01 12 06 03.0–.76	20.97S–.03	177.22W–.03	284–7	4.8b,4.8b		
AUST	V	01 12 06 02.6–.42	20.93S	176.90W	273–0	4.8b,4.8b		
BJI	V	01 12 06 06.1	20.90S	177.30W	315	5.0b,4.8b		
IDC	V	01 12 06 06.6–1.1	20.92S	177.22W	309–9	4.5,4.5		
MOS	V	01 12 06 09.7–.85	20.67S	177.37W	341	5.1b,4.5		
NEIC	V	01 12 06 16.0–1.1	20.90S	177.41W	401–10	4.9b,4.5		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=36.9.
AUST Error ellipse: s-maj=1.1km s-min=0.9km az=313.0.
IDC Error ellipse: s-maj=9.2km s-min=7.0km az=151.0.
MOS Error ellipse: s-maj=7.8km s-min=5.9km az=117.3.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.9km az=146.0.

(212) Bonin Islands region

ISC	**V**	**01 12 57 08.8–.27**	**26.26N–.03**	**140.57E–.03**	**416–2**	**5.3b**	**1243**	**1-167**
SZGRF	V	01 12 56 26.9	27.11N	142.26E	33	5.6b		¶15741774
NIED	V	01 12 57 00	26.70N	141.30E	360	5.3W		
BJI	V	01 12 57 06.1	26.20N	140.77E	413	5.2b,4.7b		
ISCJB	V	01 12 57 07.8–.26	26.19N–.02	140.56E–.02	419–2	5.2b,4.7b		
MOS	V	01 12 57 07.7–.85	26.26N	140.50E	415	5.5b,4.7b		
IDC	V	01 12 57 09.5–.65	26.22N	140.57E	422–6	4.9,4.9		
TEH	V	01 12 57 09.0	26.22N	140.55E	415	5.4L,4.9		
GCMT	V	01 12 57 10.8–.40	26.21N	140.36E	415–2	5.3W,4.9		
NEIC	V	01 12 57 10.5–.41	26.28N	140.43E	434–4	5.4b,5.2W		
DJA	V	01 12 57 10.3–1.3	26N–6.0	141E–7.0	510–17	5.3b,5.0b		
JMA	V	01 12 57 10.7–.30	26.67N	141.31E	418–3	5.5,5.0b		

ISC Event type se.
SZGRF Bonin Islands, Japan, region.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ59.00000°,λ-39.00000°. NP2:ϕ_s152.00000°,δ57.00000°,λ-142.00000°. M_o8.98000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.6km az=144.0.
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=109.8.
IDC Error ellipse: s-maj=6.6km s-min=5.0km az=93.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s56,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.62±.28 $M_{\theta\theta}$-1.65±.39; $M_{\phi\phi}$6.27±.40; $M_{r\theta}$-8.77±.44; $M_{\theta\phi}$2.14±.38; $M_{\phi r}$0.64±.52; Best double couple: NP1:ϕ_s171.00000°,δ40.00000°,λ-152.00000°. NP2: ϕ_s59.00000°,δ72.00000°,λ-54.00000°. Principal axes: T 7.4000,Plg19.0000°,Azm123.0000° ; N 4.9000,Plg34.0000°,Azm226.0000°; P -12.2000,Plg49.0000°,Azm9.0000° M_o9.80000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.9km az=154.0. Recorded [1 JMA] in the Haha-jima-retto. Moment Tensor Solution. M_o9.00000×10^{16}
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0.

(279) Flores Sea

ISC	**V**	**04 07 47 06.0–.33**	**7.60S–.04**	**119.98E–.06**	**606–3**	**4.2b**	**207**	**2-155**
BJI	V	04 07 47 01.1	8.23S	119.82E	609	4.6b,4.4b		¶15154103
MOS	V	04 07 47 03.6–.52	7.41S	120.00E	592	4.4b,4.4b		
ISCJB	V	04 07 47 05.5–.20	7.59S–.03	119.95E–.03	615–3	4.3b,4.4b		
AUST	V	04 07 47 05.5–.01	7.52S	119.99E	597–0	4.3b,4.4b		
NEIC	V	04 07 47 06.0–.37	7.47S	120.00E	607–5	4.5b,4.4b		
IDC	V	04 07 47 06.2–.53	7.48S	120.09E	610–6	3.8,3.8		
DJA	V	04 07 47 06.0–.40	8S–5.0	120E–3.0	620–6	7.0,5.3b		

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

(181) Fiji Islands region

ISC	**V**	**11 05 11 36.9–.33**	**19.67S–.05**	**177.57W–.05**	**376–2**	**4.8b**	**676**	**5-173**
DJA	V	11 05 11 25.1–5.0	20S–15	178W–20	251–42	5.0,5.0b		¶13439491
IDC	V	11 05 11 33.9–.88	19.63S	177.57W	345–7	4.4,4.4		
ISCJB	V	11 05 11 36.6–1.0	19.63S–.05	177.71W–.04	381–10	4.8b,4.4		
BJI	V	11 05 11 36.5	19.50S	177.42W	383	4.8b,4.8b		
SZGRF	V	11 05 11 36.9	19.58S	177.36W	370	4.8b,4.8b		
MOS	V	11 05 11 37.3–1.0	19.50S	177.75W	383	5.0b,4.8b		
NEIC	V	11 05 11 38.1–.74	19.60S	177.71W	387–7	4.8b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=9.7km s-min=7.9km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.5km az=149.1.
SZGRF Fiji Islands region.
MOS Error ellipse: s-maj=9.2km s-min=7.5km az=47.3.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.7km az=147.0.

(262) Celebes Sea

ISC	**V**	**12 12 19 33.6–.35**	**3.14N–.04**	**122.61E–.06**	**549–2**	**4.6b**	**289**	**3-122**
ISCJB	V	12 12 19 32.7–.23	3.18N–.03	122.69E–.03	554–3	4.5b		¶12818790
NEIC	V	12 12 19 33.7–.44	3.18N	122.63E	555–6	4.6b		
BJI	V	12 12 19 33.9	3.20N	122.60E	552	4.8b,4.6b		
DJA	V	12 12 19 33.6–.20	3N–3.0	123E–3.0	545–3	5.4,5.1b		
IDC	V	12 12 19 34.0–.66	3.16N	122.60E	556–7	3.9,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.3km az=22.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.2km az=91.0.
IDC Error ellipse: s-maj=11.4km s-min=6.4km az=83.0.

(280) Banda Sea

ISC	**V**	**16 02 16 51.2–.38**	**7.18S–.04**	**125.54E–.06**	**471–3**	**4.2b**	**151**	**3-147**
BJI	V	16 02 16 44.9	7.70S	125.77E	468	5.1b,4.4b		¶15154336
DJA	V	16 02 16 49.0–.40	7S–4.0	126E–4.0	481–9	5.3b,5.2		
NEIC	V	16 02 16 50.9–.78	7.08S	125.56E	468–10	4.4b,5.2		
ISCJB	V	16 02 16 50.5–.26	7.11S–.03	125.49E–.04	477–3	4.2b,5.2		
AUST	V	16 02 16 50.4–.01	7.08S	125.43E	466–0	4.2b,5.2		
IDC	V	16 02 16 51.4–.98	7.10S	125.48E	472–11	3.8,3.8		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.6km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.6km az=152.5.
AUST Error ellipse: s-maj=1.1km s-min=0.9km az=30.0.
IDC Error ellipse: s-maj=16.2km s-min=7.8km az=73.0.

(211) Southeast of Honshu

ISC	**V**	**16 18 54 52.6–.59**	**30.33N–.05**	**138.56E–.05**	**435–5**	**4.2b**	**209**	**3-152**
DJA	V	16 18 54 16.2–1.5	30N–10	138E–22	10	5.1,5.1b		¶13065854
JMA	V	16 18 54 50.0–.30	30.38N	139.01E	473–4	4.4,5.1b		
ISCJB	V	16 18 54 51.9–.32	30.37N–.03	138.59E–.04	439–2	4.2b,5.1b		
IDC	V	16 18 54 52.4–.66	30.38N	138.51E	429–6	3.9,3.9		
BJI	V	16 18 54 52.2	30.36N	138.48E	434	5.0b,4.6b		
NEIC	V	16 18 54 53.1–.47	30.36N	138.49E	438–5	4.3b,4.6b		

ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.3km az=39.7.
IDC Error ellipse: s-maj=9.8km s-min=7.2km az=107.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.8km az=129.0.

(265) Minahassa Peninsula, Sulawesi

ISC	**V**	**20 08 41 26.6–.30**	**1.82N–.03**	**124.18E–.05**	**319–2**	**4.6b**	**298**	**1-165**
IDC	V	20 08 41 24.7–.95	1.86N	124.04E	302–8	4.4,4.3		¶15154421
ISCJB	V	20 08 41 25.1–.20	1.84N–.02	124.21E–.03	317–2	4.6b,4.3		
NEIC	V	20 08 41 25.9–.57	1.87N	124.07E	316–6	4.8b,4.3		
AUST	V	20 08 41 25.4–.22	1.79N	124.10E	306–0	4.8b,4.3		
BJI	V	20 08 41 25.0	1.80N	124.10E	311	4.5b,4.5b		
DJA	V	20 08 41 26.1–.30	2N–4.0	124E–2.0	302–2	5.3,5.3b		

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

(280) Banda Sea

ISC	**V**	**21 01 51 18.3–.28**	**5.51S–.03**	**128.18E–.04**	**361–2**	**4.4b**	**397**	**3-161**
BJI	V	21 01 51 12.9	5.87S	128.60E	360	4.4b,4.4b		¶15154439
AUST	V	21 01 51 15.7–.30	5.48S	128.04E	325–0	4.4b,4.4b		
ISCJB	V	21 01 51 18.8–.27	5.48S–.02	128.24E–.03	382–3	4.4b,4.4b		
IDC	V	21 01 51 19.5–.86	5.45S	128.21E	371–8	4.2,4.2		
NEIC	V	21 01 51 19.5–.49	5.47S	128.19E	375–5	4.5b,4.2		
DJA	V	21 01 51 20.6–.20	5S–4.0	128E–2.0	383–5	5.5,5.3b		

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

(220) Northwest of Kuril Islands

ISC	**V**	**21 13 52 44.6–.32**	**52.51N–.04**	**153.26E–.03**	**462–3**	**4.6b**	**853**	**2-160**
SZGRF	V	21 13 51 52.1	52.06N	157.77E	33	5.1b		¶13193069
DJA	V	21 13 52 22.0–5.5	53N–12	154E–21	269–49	5.3b,4.9		
KRSC	V	21 13 52 39.5–2.0	52.07N	153.88E	521–41	5.1L,4.9		
BJI	V	21 13 52 39.5	52.61N	153.85E	457	4.8b,4.6b		
ISCJB	V	21 13 52 43.7–.15	52.56N–.03	153.18E–.03	461–1	4.5b,4.6b		
NEIC	V	21 13 52 43.9–.29	52.57N	153.04E	452–3	4.6b,4.6b		
MOS	V	21 13 52 44.4–.82	52.54N	153.18E	472	4.7b,4.6b		
TEH	V	21 13 52 45.0	52.54N	153.06E	458	4.5L,4.6b		
IDC	V	21 13 52 45.1–.54	52.59N	153.12E	464–5	4.2,4.2		

ISC Event type se.
SZGRF Kamchatka Peninsula, Russia.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.5km az=153.2.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=164.0.
MOS Error ellipse: s-maj=7.1km s-min=4.3km az=97.2.
IDC Error ellipse: s-maj=8.0km s-min=5.2km az=146.0.

(181) Fiji Islands region

ISC	**V**	**21 14 30 30.9–.45**	**22.28S–.05**	**178.92W–.05**	**446–4**	**4.5b**	**574**	**9-171**
SZGRF	V	21 14 29 39.4	23.52S	177.88W	33	4.5b		¶15154450
ISCJB	V	21 14 30 27.6–.88	22.28S–.05	178.98W–.04	420–9	4.5b		
IDC	V	21 14 30 29.8–.97	22.29S	179.02W	426–9	4.2,4.2		
AUST	V	21 14 30 29.6	22.05S	178.67W	450	4.2,4.2		
BJI	V	21 14 30 32.8	22.05S	179.22W	460	4.8b,4.6b		

NEIC V 21 14 30 33.0–.56 22.24S 179.07W 466–6 4.5b,4.6b
BGS V 21 14 30 36.1–5.7 22.24S 179.07W 466 4.5b,4.6b
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.1km az=147.7.
IDC Error ellipse: s-maj=9.0km s-min=7.1km az=138.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.5km az=154.0.
BGS Error ellipse: s-maj=354.0km s-min=999.9km az=-1.0.

(171) South of Fiji Islands

ISC	**V**	**23 02 59 27.4–.24**	**24.47S–.04**	**178.89E–.04**	**560–2**	**5.1b**	**855**	**6-174**
ISCJB	V	23 02 59 26.5–.52	24.48S–.03	178.85E–.04	558–6	5.0b		**¶12854208**
IDC	V	23 02 59 27.0–.37	24.42S	178.84E	550–3	4.7,4.7		
MOS	V	23 02 59 26.6–1.3	24.29S	178.84E	550	5.2b,4.7		
DJA	V	23 02 59 27.7–2.2	24S–6.0	179E–11	562–20	5.8b,5.5b		
BJI	V	23 02 59 27.2	24.04S	178.86E	552	5.1b,5.1b		
TEH	V	23 02 59 28.0	24.37S	178.78E	561	5.1L,5.1b		
NEIC	V	23 02 59 28.0–.49	24.38S	178.85E	566–5	5.5W,5.1b		
GCMT	V	23 02 59 30.7–.20	24.40S	178.99E	561–1	5.5W,5.1b		
SZGRF	V	23 02 59 30.9	23.64S	179.48W	585	5.5W,5.1b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.7km az=11.3.
IDC Error ellipse: s-maj=7.0km s-min=6.4km az=44.0.
MOS Error ellipse: s-maj=9.8km s-min=8.7km az=38.4.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=173.0. Moment Tensor Solution. s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-0.42 $M_{r\theta}$-0.84 $M_{\theta\phi}$-0.19 $M_{\phi r}$-1.72 Best double couple: NP1:ϕ_s321.00000°,δ7.00000°,λ23.00000°. NP2:ϕ_s208.00000° ,δ87.00000°,λ97.00000°. Principal axes: T 1.7400,Plg47.0000°,Azm124.0000° ; N 0.4000,Plg6.0000°,Azm27.0000°; P -2.1400,Plg41.0000°,Azm291.0000° M_o2.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c94; Moment tensor: Scale 10^{17}Nm; M_{rr}0.15±.04 $M_{\theta\theta}$0.05±.07; $M_{\phi\phi}$-0.19±.06; $M_{r\theta}$-1.07±.06; $M_{\theta\phi}$0.15±.05; $M_{\phi r}$-1.60±.05; Best double couple: NP1:ϕ_s314.00000°,δ5.00000°,λ11.00000°. NP2: ϕ_s213.00000°,δ89.00000°,λ95.00000°. Principal axes: T 2.0100,Plg46.0000°,Azm128.0000° ; N -0.1600,Plg5.0000°,Azm33.0000°; P -1.8500,Plg44.0000°,Azm298.0000° M_o1.90000×10^{17}
SZGRF South of Fiji Islands.

(212) Bonin Islands region

ISC	**V**	**26 10 11 59.0–.29**	**27.63N–.03**	**140.24E–.04**	**468–2**	**4.5b**	**501**	**2-152**
NIED	V	26 10 11 00	27.80N	140.50E	440	4.7W		**¶13439787**
DJA	V	26 10 11 52.6–2.7	28N–8.0	140E–14	416–32	5.2b,4.8b		
MOS	V	26 10 11 57.3–.85	27.62N	140.20E	461	4.5b,4.8b		
BJI	V	26 10 11 58.9	27.54N	140.11E	481	4.8b,4.7b		
NEIC	V	26 10 11 58.2–.18	27.59N	140.15E	452	4.7W,4.5b		
IDC	V	26 10 11 58.6–.41	27.60N	140.11E	461–4	4.1,4.1		
ISCJB	V	26 10 11 58.0–.24	27.57N–.02	140.28E–.03	472–2	4.5b,4.1		
JMA	V	26 10 11 59.7–.20	27.80N	140.47E	460–3	5.0,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s270.00000°,δ75.00000°,λ-53.00000°. NP2:ϕ_s19.00000°,δ39.00000°,λ-156.00000°. M_o1.24000×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=5.1km az=109.9.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=83.0. Recorded [1 JMA] in the Haha-jima-retto. Moment Tensor Solution. M_o1.20000×10^{16}
IDC Error ellipse: s-maj=8.7km s-min=5.4km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=3.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.

(171) South of Fiji Islands

ISC	**V**	**29 07 47 56.9–.33**	**22.28S–.05**	**179.51W–.04**	**596–3**	**4.8b**	**403**	**5-171**
ISCJB	V	29 07 47 55.5–.53	22.27S–.05	179.58W–.03	590–7	4.8b		**¶15155574**
AUST	V	29 07 47 55.6–.01	22.09S	179.39W	583–0	4.8b		
BJI	V	29 07 47 56.1	21.58S	179.13W	589	4.9b,4.8b		
IDC	V	29 07 47 56.8–.79	22.17S	179.61W	589–8	4.3,4.3		
DJA	V	29 07 47 57.6–.60	22S–11	179W–10	651–21	5.3b,5.3b		
NEIC	V	29 07 47 57.0–.49	22.23S	179.59W	596–6	4.7b,5.3b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.0km az=161.1.
AUST Error ellipse: s-maj=1.1km s-min=0.9km az=319.0.
IDC Error ellipse: s-maj=9.8km s-min=7.9km az=165.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=157.0.

(663) Sea of Okhotsk

ISC	**V**	**29 16 03 49.9–.28**	**46.02N–.03**	**143.42E–.03**	**340–2**	**4.6b**	**584**	**1-155**
SZGRF	V	29 16 03 15.1	46.10N	145.70E	33	4.7b		**¶13469868**
DJA	V	29 16 03 43.2–5.7	46N–13	144E–26	283–55	5.0b,4.6		
BJI	V	29 16 03 47.3	46.12N	143.65E	335	4.9b,4.4b		
MOS	V	29 16 03 48.5–.97	46.05N	143.44E	336	4.6b,4.4b		
ISCJB	V	29 16 03 49.0–.15	45.98N–.02	143.50E–.03	343–1	4.5b,4.4b		
JMA	V	29 16 03 49.3–.30	45.83N	143.59E	352–3	4.9,4.4b		
SKHL	V	29 16 03 49.5–1.5	45.98N	143.59E	347–17	5.9b,5.4s		
IDC	V	29 16 03 50.4–.34	46.07N	143.44E	343–3	4.3,4.3		
NEIC	V	29 16 03 50.1–.13	46.02N	143.45E	342	4.7b,4.3		
NIED	V	29 16 04 00	45.90N	143.70E	360	4.8W,4.3		

ISC Event type se.
SZGRF Sea of Okhotsk.
MOS Error ellipse: s-maj=6.7km s-min=4.5km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.9km az=166.2.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=6.8km s-min=5.9km az=158.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=150.0. Recorded [1 JMA] in eastern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ75.00000°,λ59.00000°. NP2:ϕ_s45.00000°,δ34.00000°,λ152.00000°. M_o1.80000×10^{16}

(260) East of Philippine Islands

ISC	**V**	**31 02 48 54.3–.86**	**5.84N–.09**	**124.6E–.10**	**400**	**3.6b**	**22**	**1-120**
DJA	V	31 02 48 04.3–8.9	9N–46	128E–70	373–36	5.5b,4.9		**¶16066103**
ISCJB	V	31 02 48 53.3–.66	5.78N–.07	124.6E–.10	400	3.5b,4.9		
IDC	V	31 02 48 54.8–.77	5.82N	124.72E	405–9	3.5,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=9.8km az=7.4.
IDC Error ellipse: s-maj=37.2km s-min=13.3km az=70.0.

(177) Kermadec Islands region

ISC	**VI**	**05 16 01 48.6–.41**	**30.74S–.03**	**179.59W–.06**	**392–3**	**4.7b**	**282**	**2-170**
ISCJB	VI	05 16 01 45.2–.36	30.63S–.04	179.45W–.09	378–5	4.7b		**¶12933401**
MOS	VI	05 16 01 45.9–2.1	30.47S	179.54W	366	4.8b		
NEIC	VI	05 16 01 45.3–.56	30.64S	179.43W	357–5	4.8b		
IDC	VI	05 16 01 46.7–.58	30.30S	179.61W	359–5	4.3,4.3		
DJA	VI	05 16 01 59.2–5.3	31S–22	180E–26	501–47	5.3b,4.7		

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

(181) Fiji Islands region

ISC	**VI**	**07 12 46 29.6–.23**	**21.95S–.03**	**179.49W–.03**	**587–1**	**5.2b**	**1634**	**5-175**
BJI	VI	07 12 46 26.8	21.72S	178.97W	572	5.5b,5.2b		**¶15155855**
MOS	VI	07 12 46 27.8–.82	21.87S	179.58W	565	5.1b,5.2b		
ISCJB	VI	07 12 46 28.7–.41	22.08S–.03	179.58W–.02	582–5	5.2b,5.2b		
AUST	VI	07 12 46 29.8	22.10S	179.21W	600	5.2b,5.2b		
NEIC	VI	07 12 46 30.3–.10	22.04S	179.58W	590	5.5W,5.1b		
DJA	VI	07 12 46 30.9–.90	22S–6.0	180W–6.0	594–12	6.1,5.7b		
IDC	VI	07 12 46 31.1–.42	21.95S	179.61W	595–4	4.7,4.7		
GCMT	VI	07 12 46 31.8–.30	22.05S	179.39W	607–2	5.5W,4.7		
BGS	VI	07 12 46 33.0–6.0	22.04S	179.58W	590	5.1b,4.7		

ISC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=7.1km az=61.6.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=151.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.3km az=144.0. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.59 $M_{\theta\theta}$0.23 $M_{\phi\phi}$0.36 $M_{r\theta}$-1.41 $M_{\theta\phi}$-0.18 $M_{\phi r}$-1.36 Best double couple: NP1:ϕ_s204.00000°,δ6.00000°,λ-111.00000°. NP2:ϕ_s45.00000° ,δ85.00000°,λ-88.00000°. Principal axes: T 1.7500,Plg39.0000°,Azm133.0000° ; N 0.4800,Plg1.0000°,Azm224.0000°; P -2.2300,Plg50.0000°,Azm317.0000° M_o2.00000×10^{17}
IDC Error ellipse: s-maj=7.1km s-min=6.1km az=5.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c87; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67±.05 $M_{\theta\theta}$-0.48±.08; $M_{\phi\phi}$1.15±.08; $M_{r\theta}$-1.46±.08; $M_{\theta\phi}$-0.09±.07; $M_{\phi r}$-1.81±.08; Best double couple: NP1:ϕ_s145.00000°,δ20.00000°,λ-158.00000°. NP2: ϕ_s35.00000°,δ83.00000°,λ-71.00000°. Principal axes: T 2.4500,Plg35.0000°,Azm109.0000° ; N 0.1600,Plg19.0000°,Azm212.0000°; P -2.6100,Plg49.0000°,Azm325.0000° M_o2.50000×10^{17}
BGS Error ellipse: s-maj=327.5km s-min=999.9km az=-1.0.

(657) Priamurye-Northeastern China border region

ISC	**VI**	**07 16 26 06.5–.44**	**43.76N–.05**	**130.74E–.05**	**576–4**	**3.8b**	**183**	**1-152**
ISCJB	VI	07 16 26 05.8–.23	43.77N–.04	130.70E–.05	572–2	3.8b		**¶13066062**
BJI	VI	07 16 26 05.0	43.75N	130.85E	578	4.6b,4.6b		
IDC	VI	07 16 26 05.8–.51	43.75N	130.64E	565–6	3.4,3.4		
MOS	VI	07 16 26 05.0–.97	43.78N	130.72E	574	3.8b,3.4		
SKHL	VI	07 16 26 05.5–.40	43.78N	130.77E	566–21	5.0b,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=147.6.
IDC Error ellipse: s-maj=11.9km s-min=8.3km az=116.0.
MOS Error ellipse: s-maj=16.0km s-min=10.3km az=84.2.

(171) South of Fiji Islands

ISC	**VI**	**08 04 33 18.6–.23**	**22.24S–.03**	**179.47W–.03**	**608–2**	**5.2b**	**1462**	**5-175**
AUST	VI	08 04 33 17.5–.01	22.12S	179.40W	589–0	5.2b		**¶15155911**
IDC	VI	08 04 33 17.4–.58	22.15S	179.51W	589–5	4.7,4.7		
MOS	VI	08 04 33 17.4–.80	22.13S	179.59W	597	5.2b,4.7		
ISCJB	VI	08 04 33 17.1–.36	22.29S–.03	179.58W–.03	599–5	5.2b,4.7		
BJI	VI	08 04 33 18.7	21.75S	179.36W	608	5.2b,5.0b		
DJA	VI	08 04 33 18.8–.50	22S–5.0	179W–4.0	604–8	5.7b,5.6b		
NEIC	VI	08 04 33 19.1–.10	22.23S	179.61W	612	5.5W,5.2b		
GCMT	VI	08 04 33 21.8–.20	22.20S	179.43W	608–1	5.5W,5.2b		
BGS	VI	08 04 33 22.2–5.4	22.23S	179.61W	612	5.2b,5.2b		

ISC Event type se.
AUST Error ellipse: s-maj=0.9km s-min=0.8km az=310.0.
IDC Error ellipse: s-maj=7.8km s-min=7.0km az=152.0.
MOS Error ellipse: s-maj=8.6km s-min=7.4km az=64.2.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.3km az=150.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.4km az=146.0. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56 $M_{\theta\theta}$0.59 $M_{\phi\phi}$-0.03 $M_{r\theta}$-0.67 $M_{\theta\phi}$-1.02 $M_{\phi r}$-1.86 Best double couple: NP1:ϕ_s359.00000°,δ83.00000°,λ-59.00000°. NP2:ϕ_s100.00000° ,δ32.00000°,λ-166.00000°. Principal axes: T 1.7200,Plg30.0000°,Azm63.0000° ; N 0.8800,Plg30.0000°,Azm174.0000°; P -2.6100,Plg43.0000°,Azm298.0000° M_o2.30000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s83,c131; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27±.04 $M_{\theta\theta}$-0.15±.06; $M_{\phi\phi}$0.42±.06; $M_{r\theta}$-0.07±.06; $M_{\theta\phi}$-0.58±.05; $M_{\phi r}$-2.14±.05; Best double couple: NP1:ϕ_s107.00000°,δ16.00000° ,λ-165.00000°. NP2:ϕ_s2.00000°,δ86.00000°,λ-75.00000°. Principal axes: T 2.3100,Plg39.0000°,Azm78.0000°; N -0.1200,Plg15.0000°,Azm181.0000° ; P -2.1900,Plg47.0000°,Azm288.0000° M_o2.30000×10^{17}
BGS Error ellipse: s-maj=467.4km s-min=999.9km az=-1.0.

(181) Fiji Islands region

ISC	**VI**	**08 14 49 40.4–.41**	**20.94S–.05**	**177.00W–.05**	**327–3**	**4.8b**	**393**	**6-172**
AUST	VI	08 14 49 35.8–.02	20.74S	176.80W	288–0	4.8b		**¶15853022**
ISCJB	VI	08 14 49 35.6–.75	20.84S–.05	177.12W–.04	286–8	4.7b		
BJI	VI	08 14 49 37.4	21.06S	176.26W	342	4.8b,4.6b		
DJA	VI	08 14 49 38.2–1.2	21S–10	177W–12	291–19	6.4,6.0		
IDC	VI	08 14 49 39.0–1.4	20.83S	177.19W	307–13	4.4,4.4		
NEIC	VI	08 14 49 39.8–.22	20.86S	177.14W	318	4.9b,4.4		
BGS	VI	08 14 49 41.1–6.1	20.86S	177.14W	318	4.9b,4.4		

ISC Event type se.
AUST Error ellipse: s-maj=1.2km s-min=1.1km az=268.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.9km az=150.3.
IDC Error ellipse: s-maj=10.7km s-min=8.2km az=125.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.8km az=151.0.
BGS Error ellipse: s-maj=692.3km s-min=999.9km az=-1.0.

(113) Western Brazil

ISC	**VI**	**08 20 20 05.6–.25**	**8.81S–.03**	**71.63W–.05**	**542–2**	**5.0b**	**1062**	**6-172**
MOS	VI	08 20 20 03.7–.81	8.56S	71.56W	519	5.2b		**¶13439994**
ISCJB	VI	08 20 20 04.1–.41	8.63S–.03	71.59W–.03	525–5	4.9b		
IDC	VI	08 20 20 05.8–.29	8.75S	71.61W	538–3	4.6,4.6		
NEIC	VI	08 20 20 05.7–.11	8.69S	71.51W	536	5.4W,5.1b		
BJI	VI	08 20 20 05.9	8.60S	71.40W	538	5.1b,5.1b		
GCMT	VI	08 20 20 09.4–.20	8.67S	71.47W	552–1	5.4W,5.1b		
SZGRF	VI	08 20 20 18.0	7.30S	69.34W	546	5.2b,5.1b		

ISC Event type se.
MOS Error ellipse: s-maj=7.2km s-min=5.0km az=83.1.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=41.9.
IDC Error ellipse: s-maj=7.8km s-min=5.1km az=66.0.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=51.0. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.52 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$1.88 $M_{r\theta}$-0.43 $M_{\theta\phi}$-0.37 $M_{\phi r}$0.16 Best double couple: NP1:ϕ_s8.00000°,δ44.00000°,λ-64.00000°. NP2:ϕ_s154.00000° ,δ51.00000°,λ-113.00000°. Principal axes: T 1.9600,Plg3.0000°,Azm260.0000° ; N -0.2900,Plg17.0000°,Azm168.0000°; P -1.6600,Plg71.0000°,Azm1.0000° M_o1.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c127; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32±.03 $M_{\theta\theta}$-0.20±.05; $M_{\phi\phi}$1.51±.06; $M_{r\theta}$-0.51±.05; $M_{\theta\phi}$-0.27±.05; $M_{\phi r}$0.34±.05; Best double couple: NP1:ϕ_s10.00000°,δ40.00000°,λ-60.00000°. NP2:ϕ_s153.00000°,δ56.00000°,λ-113.00000°. Principal axes: T 1.6100,Plg8.0000° ,Azm259.0000°; N -0.0800,Plg19.0000°,Azm166.0000°; P -1.5300,Plg69.0000° ,Azm12.0000° M_o1.60000×10^{17}
SZGRF Western Brazil.

(280) Banda Sea

ISC	**VI**	**10 02 52 50.7–.26**	**6.35S–.03**	**128.36E–.04**	**323–1**	**4.8b**	**529**	**3-153**
MOS	VI	10 02 52 48.4–.91	6.29S	128.23E	307	4.7b		**¶12976589**
NEIC	VI	10 02 52 50.9–.63	6.29S	128.29E	323–6	4.8b		
ISCJB	VI	10 02 52 50.5–.27	6.31S–.02	128.43E–.03	333–2	4.7b		
IDC	VI	10 02 52 51.1–.92	6.34S	128.26E	325–8	4.5,4.5		
TEH	VI	10 02 52 51.0	6.27S	128.29E	326	4.8L,4.5		
DJA	VI	10 02 52 52.2–.20	6S–3.0	128E–2.0	301–5	7.2,5.7		

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

(232) Western Honshu

ISC	**VI**	**10 04 07 02.8–.35**	**34.55N–.03**	**136.64E–.03**	**353–3**	**4.5b**	**437**	**0-151**
TEH	VI	10 04 06 23.0	35.03N	138.37E	32	5.0L		**¶13046811**
BJI	VI	10 04 06 57.9	34.43N	136.93E	344	5.2b,4.7b		
NIED	VI	10 04 07 00	34.60N	136.60E	380	5.1W,4.7b		
MOS	VI	10 04 07 01.7–.88	34.51N	136.69E	357	4.5b,4.7b		
JMA	VI	10 04 07 02.9–.20	34.61N	136.61E	355–2	5.0,4.7b		
ISCJB	VI	10 04 07 02.0–.18	34.55N–.02	136.68E–.03	359–1	4.6b,4.7b		
NEIC	VI	10 04 07 02.6–.32	34.46N	136.63E	352–3	5.1b,5.1W		
IDC	VI	10 04 07 02.7–.47	34.50N	136.69E	350–4	4.3,4.2		
DJA	VI	10 04 07 06.1–2.4	34N–7.0	137E–10	385–28	5.2b,5.0b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s91.00000°,δ88.00000°,λ10.00000°. NP2:ϕ_s1.00000°,δ80.00000°,λ178.00000°. M_o5.22000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s29.00000°,δ76.00000°,λ-157.00000°. NP2:ϕ_s293.00000°,δ67.00000°,λ-15.00000°. Principal axes: T Plg6.0000°,Azm160.0000°; N Plg63.0000°,Azm58.0000°; P Plg26.0000° ,Azm253.0000°
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. M_o5.20000×10^{16}

(280) Banda Sea

ISC	**VI**	**12 20 46 56.5–.22**	**5.35S–.03**	**127.99E–.03**	**352–1**	**5.3b**	**1083**	**2-166**
BJI	VI	12 20 46 53.7	5.48S	128.27E	356	5.0b,4.6b		**¶13057934**
NEIC	VI	12 20 46 55.4–.10	5.30S	128.03E	340	5.3b,4.6b		
MOS	VI	12 20 46 55.5–1.0	5.28S	128.02E	346	5.2b,4.6b		
DJA	VI	12 20 46 56.7–.10	5S–2.0	128E–1.0	353–3	6.1,5.7b		
ISCJB	VI	12 20 46 56.2–.25	5.37S–.02	128.02E–.02	362–2	5.2b,5.7b		
TEH	VI	12 20 46 57.0	5.27S	128.00E	357	5.4L,5.7b		
IDC	VI	12 20 46 58.0–.48	5.36S	127.98E	361–4	5.0,5.0		
GCMT	VI	12 20 46 58.4–.20	5.31S	128.00E	352–1	5.4W,5.0		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=60.0.
MOS Error ellipse: s-maj=8.7km s-min=4.2km az=117.4.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.8km az=159.8.
IDC Error ellipse: s-maj=8.9km s-min=4.7km az=64.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c112;
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.48±.03 $M_{\theta\theta}$0.06±.04; $M_{\phi\phi}$0.42±.04; $M_{r\theta}$-0.54±.05;
$M_{\theta\phi}$-0.43±.04; $M_{\phi r}$1.08±.04; Best double couple: NP1:ϕ_s313.00000°,δ14.00000°,λ-110.00000°.
NP2:ϕ_s154.00000°,δ77.00000°,λ-85.00000°. Principal axes: T 1.4600,Plg32.0000°
,Azm240.0000°; N -0.2200,Plg5.0000°,Azm333.0000°; P -1.2400,Plg58.0000°,Azm70.0000°
M_o1.40000×10^{17}

(220) Northwest of Kuril Islands

ISC	**VI**	**16 00 03 55.6–.24**	**47.16N–.03**	**145.62E–.03**	**397–1**	**5.2b**	**1588**	**2-154**
NIED	VI	16 00 03 00	46.70N	145.90E	480	5.1W		**¶13197034**
DJA	VI	16 00 03 49.2–5.7	47N–16	146E–30	348–56	5.2b,5.1b		
MOS	VI	16 00 03 53.8–.79	47.24N	145.60E	386	5.3b,5.1b		
BJI	VI	16 00 03 54.1	47.35N	145.66E	393	4.8b,4.6b		
SKHL	VI	16 00 03 54.9–2.1	47.17N	145.90E	391–6	5.5,5.4b		
JMA	VI	16 00 03 54.1–.30	46.73N	145.92E	438	5.1,5.4b		
ISCJB	VI	16 00 03 54.5–.16	47.20N–.02	145.60E–.02	393–2	5.1b,5.4b		
NEIC	VI	16 00 03 55.4–.37	47.22N	145.54E	389–4	5.2b,5.4b		
TEH	VI	16 00 03 56.0	47.23N	145.48E	393	5.1L,5.4b		
IDC	VI	16 00 03 56.4–.33	47.19N	145.64E	401–3	4.7,4.7		
BGS	VI	16 00 03 58.5–1.2	47.78N	145.45E	389	5.1b,4.7		
SZGRF	VI	16 00 04 06.9	48.68N	145.24E	404	5.7b,4.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ64.00000°,λ-56.00000°.
NP2:ϕ_s190.00000°,δ42.00000°,λ-139.00000°. M_o4.64000×10^{16}
MOS Error ellipse: s-maj=6.8km s-min=4.0km az=102.7.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=150.2.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=159.0. Recorded [1 JMA] in Aomori, Honshu.
IDC Error ellipse: s-maj=5.9km s-min=5.0km az=120.0.
BGS Error ellipse: s-maj=140.0km s-min=426.4km az=-1.0.
SZGRF Sea of Okhotsk.

(280) Banda Sea

ISC	**VI**	**18 19 28 39.2–.40**	**6.72S–.04**	**128.35E–.05**	**334**	**4.0b**	**107**	**3-152**
AUST	VI	18 19 28 36.5–.01	6.66S	128.47E	299–0	4.0b		**¶15156200**
NEIC	VI	18 19 28 36.6–1.1	6.64S	128.33E	300–12	4.3b		
ISCJB	VI	18 19 28 37.8–.24	6.70S–.03	128.40E–.04	334	4.0b		
IDC	VI	18 19 28 37.5–1.7	6.70S	128.29E	307–18	4.0,4.0		
DJA	VI	18 19 28 39.8–.30	7S–4.0	128E–3.0	224–12	5.2,5.2b		

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

(181) Fiji Islands region

ISC	**VI**	**22 16 59 51.0–.33**	**20.06S–.05**	**178.98W–.05**	**668–3**	**4.9b**	**559**	**4-173**
SZGRF	VI	22 16 58 37.2	21.60S	177.83W	33	4.9b		**¶13383544**
BJI	VI	22 16 59 48.9	19.84S	178.28W	677	5.0b,4.8b		
ISCJB	VI	22 16 59 49.8–.44	20.06S–.04	179.03W–.04	665–6	4.8b,4.8b		
NEIC	VI	22 16 59 49.6–.20	19.93S	179.00W	645	4.9b,4.8b		
BGS	VI	22 16 59 50.5–6.4	19.93S	179.00W	645	4.9b,4.8b		
MOS	VI	22 16 59 50.0–1.3	19.83S	179.08W	654	5.0b,4.8b		
IDC	VI	22 16 59 51.4–.89	19.97S	179.03W	666–10	4.2,4.2		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.9km az=144.8.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.4km az=146.0.
BGS Error ellipse: s-maj=298.3km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=10.7km s-min=10.3km az=19.0.
IDC Error ellipse: s-maj=10.8km s-min=8.6km az=153.0.

(171) South of Fiji Islands

ISC	**VI**	**22 22 24 11.0–.29**	**23.88S–.04**	**179.97E–.04**	**528–2**	**5.0b**	**763**	**6-169**
BJI	VI	22 22 24 09.3	23.90S	179.90E	514	5.0b,5.0b		**¶13217755**
DJA	VI	22 22 24 09.3–.80	24S–9.0	180E–7.0	520–12	5.6b,5.4b		
ISCJB	VI	22 22 24 10.8–.40	23.96S–.02	179.93E–.03	535–5	5.1b,5.4b		
MOS	VI	22 22 24 11.2–1.2	23.80S	179.92E	532	5.0b,5.4b		
IDC	VI	22 22 24 11.8–.46	23.85S	179.92E	532–4	4.6,4.6		
NEIC	VI	22 22 24 12.3–.49	23.90S	179.94E	542–6	5.1b,4.6		
SZGRF	VI	22 22 24 13.6	23.87S	179.12W	561	5.1b,4.6		
BGS	VI	22 22 24 16.1–3.7	23.90S	179.94E	542	5.1b,4.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.5km az=23.4.
MOS Error ellipse: s-maj=10.0km s-min=8.8km az=48.8.
IDC Error ellipse: s-maj=7.8km s-min=6.9km az=161.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.3km az=155.0.
SZGRF South of Fiji Islands.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(216) Mariana Islands

ISC	**VI**	**27 07 53 38.9–.32**	**18.31N–.03**	**145.28E–.04**	**495–2**	**5.0b**	**672**	**5-167**
ISCJB	VI	27 07 53 37.5–.48	18.31N–.03	145.24E–.03	485–5	5.0b		**¶13383573**
BJI	VI	27 07 53 37.5	18.39N	145.48E	497	4.8b,4.6b		
DJA	VI	27 07 53 38.0–.80	18N–5.0	145E–6.0	478–8	5.5b,5.2b		
MOS	VI	27 07 53 38.6–.90	18.36N	145.21E	499	5.0b,5.2b		
NEIC	VI	27 07 53 39.2–.57	18.32N	145.25E	494–6	4.9b,5.2b		
IDC	VI	27 07 53 40.0–.54	18.35N	145.22E	503–5	4.5,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.5km az=145.9.
MOS Error ellipse: s-maj=7.9km s-min=5.3km az=103.9.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.8km az=135.0.
IDC Error ellipse: s-maj=8.6km s-min=5.5km az=93.0.

(173) Tonga Islands

ISC	**VI**	**29 20 13 33.6–.41**	**14.88S–.07**	**177.77W–.08**	**379**	**4.5b**	**291**	**5-178**
DJA	VI	29 20 12 40.2–1.0	15S–14	175W–16	10	5.8b,5.3		**¶13383600**
SZGRF	VI	29 20 13 23.0	15.94S	177.34W	300	5.8b,5.3		
IDC	VI	29 20 13 30.5–1.9	14.92S	177.71W	345–18	4.2,4.2		
BJI	VI	29 20 13 31.7	14.58S	176.82W	386	4.8b,4.6b		
MOS	VI	29 20 13 31.2–1.4	14.82S	177.78W	360	4.5b,4.6b		
NEIC	VI	29 20 13 32.1–.65	14.86S	177.74W	361–6	4.5b,4.6b		
ISCJB	VI	29 20 13 33.1–.37	14.83S–.07	177.88W–.07	379	4.5b,4.6b		

ISC Event type se.
SZGRF Fiji Islands region.
NEIC Event type se.
ISCJB Event type se.

(181) Fiji Islands region

ISC	**VI**	**30 23 52 55.1–.26**	**19.23S–.05**	**179.22W–.05**	**650**	**4.8b**	**782**	**3-174**
SZGRF	VI	30 23 52 49.2	19.77S	179.16W	600	4.8b		**¶15156351**
AUST	VI	30 23 52 54.8–1.2	19.13S	179.12W	636–0	4.8b		
ISCJB	VI	30 23 52 54.5–.15	19.22S–.04	179.29W–.04	650	4.7b		
IDC	VI	30 23 52 57.0–.94	19.21S	179.37W	665–11	4.3,4.2		
MOS	VI	30 23 52 56.3–.90	18.99S	179.41W	664	5.0b,4.2		
NEIC	VI	30 23 52 57.9–.38	19.19S	179.35W	680–4	4.8b,4.2		

ISC Event type se.
SZGRF Fiji Islands region.
AUST Error ellipse: s-maj=1.4km s-min=1.3km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.4km az=41.5.
IDC Error ellipse: s-maj=10.4km s-min=8.1km az=139.0.
MOS Error ellipse: s-maj=11.7km s-min=8.1km az=52.5.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.2km az=134.0.

FELT AND DAMAGING EARTHQUAKES

(265) Minahassa Peninsula, Sulawesi

ISC	**I**	**01 05 27 12.4–.41**	**1.16N–.05**	**120.76E–.06**	**51–2**	**4.6b,3.7s**	**166**	**1-118**
IDC	I	01 05 27 05.3–.60	1.14N	120.67E	0	4.4,4.3b		¶11526026
MOS	I	01 05 27 07.9–1.0	1.15N	120.85E	33	4.9b,4.3b		
DJA	I	01 05 27 08	1.45N	120.74E	10	5.1,4.3b		
NEIC	I	01 05 27 11.8–1.1	1.12N	120.73E	50–11	4.7b,4.3b		
BJI	I	01 05 27 12.3	1.01N	120.47E	50	5.1b,4.8b		
ISCJB	I	01 05 27 12.6–.65	1.17N–.04	120.81E–.05	70–7	4.5b,4.8b		

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

(265) Minahassa Peninsula, Sulawesi

ISC	**I**	**01 10 35 34.6–.26**	**1.33N–.03**	**121.87E–.04**	**34–0**	**5.0b,4.3s**	**445**	**1-171**
BJI	I	01 10 35 30.9	1.12N	122.01E	36	5.3b,4.9b		¶11526033
MOS	I	01 10 35 32.7–1.2	1.40N	121.87E	33	5.2b,4.1s		
ISCJB	I	01 10 35 33.2–.39	1.41N–.02	121.92E–.03	38–4	5.0b,4.2s		
NEIC	I	01 10 35 34.3–.18	1.32N	121.84E	33	5.1b,4.2s		
DJA	I	01 10 35 35	1.41N	122.00E	34	5.0W,4.2s		
IDC	I	01 10 35 35.3–1.9	1.32N	121.84E	43–16	4.9L,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=13.9km s-min=6.0km az=115.2.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.6km az=155.5.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.0km az=66.0. Felt [III] at Buol, Gorontalo and Tolitoli.
IDC Error ellipse: s-maj=17.7km s-min=8.2km az=69.0.

(274) Southern Sumatera

ISC	**I**	**01 16 57 56.7–.30**	**4.32S–.03**	**101.23E–.04**	**42–1**	**5.3b,5.1s**	**1181**	**2-176**
BJI	I	01 16 57 49.9	4.90S	101.24E	40	5.6b,5.5s		¶13404540
IDC	I	01 16 57 50.2–.38	4.26S	101.34E	0	5.2,5.2		
NEIC	I	01 16 57 53.1–.19	4.33S	101.30E	19	5.4b,5.3W		
DJA	I	01 16 57 53	4.41S	101.11E	21	5.3W,5.3W		
MOS	I	01 16 57 54.3–1.1	4.19S	101.37E	33	5.5b,5.0s		
ISCJB	I	01 16 57 54.8–.47	4.29S–.03	101.25E–.03	39–3	5.3b,5.1s		
SZGRF	I	01 16 58 12.8	1.51S	98.85E	33	5.1s,4.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=7.7km az=46.0.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=5.0km az=59.0. Felt [III] at Kapahiang and [II] at Bengkulu. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s343.00000° ,δ31.00000°,λ110.00000°. NP2:ϕ_s140.00000°,δ61.00000°,λ78.00000°. Principal axes: T 1.1100,Plg71.0000°,Azm22.0000°; N 0.2600,Plg10.0000°,Azm145.0000° ; P -1.3700,Plg15.0000°,Azm238.0000° $M_0$1.30000×10^{17}
MOS Error ellipse: s-maj=9.4km s-min=4.9km az=112.4.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.2km az=42.9.
SZGRF Southern Sumatera, Indonesia.

(274) Southern Sumatera

ISC	**I**	**01 18 37 24.2–.32**	**4.37S–.04**	**101.16E–.05**	**27–1**	**5.1b,4.4s**	**483**	**2-153**
BJI	I	01 18 37 20.2	4.67S	101.34E	39	5.2b,5.1b		¶11526038
IDC	I	01 18 37 24.4–.51	4.30S	101.28E	26–2	4.8,4.8		
NEIC	I	01 18 37 24.1–.24	4.33S	101.24E	26	5.3b,4.8		
MOS	I	01 18 37 24.8–.98	4.18S	101.35E	41	5.3b,4.4s		
DJA	I	01 18 37 24	4.43S	101.05E	27	5.2b,4.4s		
ISCJB	I	01 18 37 24.3–.60	4.32S–.03	101.20E–.03	40–4	5.1b,4.4s		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Kapahiang and [II] at Bengkulu.
ISCJB Event type fe.

(73) El Salvador

ISC	**I**	**01 23 03 31.3–1.4**	**13.2N–.10**	**89.33W–.05**	**69–8**	**3.5b**	**46**	**0-147**
IDC	I	01 23 03 18.2–2.0	12.75N	88.77W	0	3.8,3.6		¶12079782
NEIC	I	01 23 03 30.0	13.05N	89.41W	26	3.8,3.6		
CASC	I	01 23 03 31.4–1.6	13.10N	89.38W	33–3	3.9L,3.7		
ISCJB	I	01 23 03 31.1–1.2	13.2N–.10	89.37W–.05	72–7	3.6b,3.7		

ISC Event type ke.
NEIC Event type fe. Felt [II] at San Salvador. After SNET.
ISCJB Event type fe.

(243) Taiwan region

ISC	**I**	**02 01 39 51.1–.32**	**21.50N–.03**	**119.91E–.03**	**41–2**	**4.5b,4.0s**	**412**	**1-175**
NIED	I	02 01 39 00	21.40N	120.30E	59	4.7W,4.0s		¶11528168
MOS	I	02 01 39 48.4–.89	21.50N	119.91E	33	4.8b,4.2s		
IDC	I	02 01 39 50.1–.51	21.45N	119.84E	32–3	4.0,4.0		
TAP	I	02 01 39 51.6	21.65N	119.91E	65–0	5.1L,4.0		
BJI	I	02 01 39 51.2	21.69N	119.77E	45	4.6L,4.6b		
ISCJB	I	02 01 39 51.0–.34	21.56N–.02	119.95E–.02	57–3	4.4b,4.0s		
NEIC	I	02 01 39 51.3–.50	21.51N	119.94E	42–4	4.6b,4.0s		
JMA	I	02 01 39 53.0–.20	21.38N	120.31E	64	4.8,4.0s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ82.00000°,λ98.00000°. NP2:ϕ_s85.00000°,δ11.00000°,λ45.00000°. $M_0$1.28000×10^{16}
MOS Error ellipse: s-maj=10.3km s-min=6.4km az=120.1.
IDC Error ellipse: s-maj=18.6km s-min=10.7km az=72.0.
TAP C.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.1km az=36.1.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=4.0km az=87.0. Felt at Kao-hsiung. Recorded [2 TAP] in P'eng-hu and T'ai-nan; [1 TAP] in Chia-i, Kao-hsiung, P'ing-tung and T'ai-tung.
JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.

(259) Mindanao

ISC	**I**	**02 05 16 41.4–1.6**	**8.03N–.06**	**126.6E–.10**	**73–14**	**4.0b**	**42**	**1-121**
MAN	I	02 05 16 39	7.96N	126.65E	73	4.6b,3.5L		¶12079802
ISCJB	I	02 05 16 40.2–1.2	8.00N–.06	126.6E–.10	80–11	3.9b,3.5L		
NEIC	I	02 05 16 44.0–1.9	7.95N	126.37E	98–17	4.1b,3.5L		
IDC	I	02 05 16 44.2–2.3	7.99N	126.52E	99–21	3.9,3.7		

ISC Event type ke.
MAN Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.6km s-min=8.3km az=161.9.
NEIC Event type fe. Error ellipse: s-maj=36.0km s-min=10.7km az=70.0. Felt [II PIVS] at Bislig.
IDC Error ellipse: s-maj=36.8km s-min=13.6km az=74.0.

(211) Southeast of Honshu

ISC	**I**	**02 07 42 52.1–.25**	**32.75N–.03**	**138.20E–.03**	**322–1**	**5.1b**	**1453**	**1-158**
NIED	I	02 07 42 00	32.80N	138.50E	360	5.1W		¶11526805
MOS	I	02 07 42 49.4–.91	32.68N	138.06E	308	5.1b		
BJI	I	02 07 42 49.8	32.77N	138.17E	320	5.3b,4.8b		
SZGRF	I	02 07 42 49.4	32.50N	139.00E	333	5.2b,4.8b		
JMA	I	02 07 42 49.3–.30	32.75N	138.47E	345–3	5.2,4.8b		
BGS	I	02 07 42 50.0–2.2	31.85N	137.16E	333	4.8b,4.8b		
ISCJB	I	02 07 42 51.7–.17	32.71N–.02	138.07E–.02	326–1	4.9b,4.8b		
TEH	I	02 07 42 52.0	32.66N	138.07E	316	4.9L,4.8b		
DJA	I	02 07 42 52	32.54N	138.15E	326	5.2b,4.8b		
IDC	I	02 07 42 52.2–.48	32.67N	138.12E	323–4	4.7,4.7		
NEIC	I	02 07 42 53.1–.11	32.66N	138.04E	333	5.1W,4.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ84.00000°,λ-89.00000°. NP2:ϕ_s206.00000°,δ6.00000°,λ-98.00000°. $M_0$4.77000×10^{16}
MOS Error ellipse: s-maj=7.5km s-min=3.9km az=108.3.
SZGRF Southeast of Honshu, Japan.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=162.3.
IDC Error ellipse: s-maj=7.4km s-min=5.5km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=129.0. Recorded [1 JMA] in Fukushima, Ibaraki, Kanagawa, Tochigi and Tokyo. Moment Tensor Solution. $M_0$4.80000×10^{16}

(173) Tonga Islands

ISC	**I**	**02 08 51 35.1–.52**	**19.30S–.06**	**174.90W–.05**	**154–4**	**4.8b**	**662**	**7-173**
MOS	I	02 08 51 22.6–1.0	18.99S	174.83W	38	5.2b		¶11528171
IDC	I	02 08 51 24.7–3.0	19.16S	174.80W	59–26	5.7L,4.8		
ISCJB	I	02 08 51 33.6–.14	19.25S–.04	174.91W–.04	150	4.7b,4.8		
NEIC	I	02 08 51 34.8–1.6	19.19S	174.91W	150–14	4.8b,4.8		
BJI	I	02 08 51 34.2	19.30S	174.90W	155	5.0b,4.9b		

ISC Event type fe.
MOS Error ellipse: s-maj=12.6km s-min=9.8km az=153.9.
IDC Error ellipse: s-maj=15.9km s-min=11.7km az=168.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.7km az=147.1.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=6.0km az=149.0. Felt at Neiafu and Pangai.

(13) Kodiak Island region

ISC	**I**	**02 14 17 13.0–.23**	**58.45N–.03**	**152.08W–.02**	**58–1**	**5.2b,4.1s**	**1875**	**1-161**
SZGRF	I	02 14 16 55.8	57.27N	153.89W	67	5.4b,4.1s		¶13404547
MOS	I	02 14 17 05.2–.91	58.42N	152.44W	10	5.5b,4.0s		
ISCJB	I	02 14 17 12.6–.21	58.56N–.01	152.17W–.02	62–1	5.2b,4.0s		
IDC	I	02 14 17 13.1–.33	58.41N	152.23W	59–3	5.0,5.0		
NEIC	I	02 14 17 13.5	58.38N	151.93W	66	5.4L,5.2b		
BGS	I	02 14 17 13.4–1.8	58.44N	152.60W	67	4.9b,5.2b		
BJI	I	02 14 17 15.3	59.30N	153.09W	53	5.2b,5.2b		

ISC Event type fe.
SZGRF Kodiak Island, Alaska, United States, region.
MOS Error ellipse: s-maj=7.9km s-min=3.4km az=89.9.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=34.1.
IDC Error ellipse: s-maj=8.2km s-min=5.8km az=103.0.
NEIC Event type fe. Felt [III] at Kodiak and [II] at Homer and Port Lions. Also felt at Anchor Point and Kenai. After AEIC. Moment Tensor Solution. $M_0$6.60000×10^{16}
BGS Error ellipse: s-maj=364.1km s-min=999.9km az=-1.0.

(160) Off east coast of North Island

WEL	**I**	**02 14 58 29.6–.20**	**39.16S**	**177.83E**	**55–1**	**4.0L**		
NEIC	I	02 14 58 28.9	39.20S	177.91E	58	4.1L		¶11751932

WEL Event type fe. Error ellipse: s-maj=2.0km s-min=1.1km az=90.0. Felt from Gisborne to Hawke''s Bay, maximum reported intensity MM 4.
NEIC Event type se. After WEL.

(460) Wyoming

ISC	**I**	**02 19 00 47.2–.61**	**43.75N–.02**	**105.27W–.02**	**0**		**142**	**0-90**
IDC	I	02 19 00 46.2–1.9	43.60N	105.37W	0	3.8b,3.7		¶12079842
ISCJB	I	02 19 00 46.8–.20	43.76N–.01	105.28W–.02	0	3.8b,3.7		
NEIC	I	02 19 00 47.6–.46	43.74N	105.24W	0	3.0L,3.7		

ISC Event type fm.
IDC Error ellipse: s-maj=52.2km s-min=8.0km az=151.0.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=1.9km az=166.4.
NEIC Event type fm. Error ellipse: s-maj=7.0km s-min=6.0km az=141.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(138) La Rioja Province

ISC	**I**	**02 22 21 20.3–1.1**	**28.34S–.05**	**67.64W–.07**	**37–1**	**4.4b**	**55**	**3-160**
IDC	I	02 22 21 13.9–.93	28.35S	67.99W	0	4.5b,4.2		¶12079856
ISCJB	I	02 22 21 17.2–2.1	28.37S–.04	67.58W–.04	24–18	4.4b,4.2		
GUC	I	02 22 21 18.7–.51	28.38S	67.92W	0–8	4.1L,4.2		
NEIC	I	02 22 21 20.5–.66	28.32S	67.68W	42–8	4.1,4.2		

ISC Event type fe.
IDC Error ellipse: s-maj=33.5km s-min=23.4km az=130.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=6.2km az=160.1.
GUC Error ellipse: s-maj=3.2km s-min=10.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=8.1km az=109.0. Felt [IV] at Tinogasta.

(238) Ryukyu Islands

ISC	**I**	**02 23 10 12.5–1.0**	**29.36N–.05**	**129.9E–.10**	**49–10**	**3.6b**	**28**	**0-75**
NIED	I	02 23 10 00	29.30N	130.00E	44	3.9W		¶12079857
JMA	I	02 23 10 11.7	29.33N	130.04E	50–2	3.7		
ISCJB	I	02 23 10 11.7–.46	29.35N–.04	130.0E–.10	58–5	3.6b		
IDC	I	02 23 10 14.3–2.0	29.37N	129.92E	65–21	3.6,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ58.00000°,λ108.00000°. NP2:ϕ_s184.00000°,δ36.00000°,λ64.00000°. $M_0$9.39000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=15.5km s-min=4.3km az=18.1.
IDC Error ellipse: s-maj=28.1km s-min=13.0km az=102.0.

(328) East of Lake Baykal

ISC	**I**	**03 03 50 16.5–.44**	**56.20N–.03**	**113.45E–.02**	**14–2**	**4.5b,3.6s**	**333**	**0-152**
BJI	I	03 03 50 11.5	56.52N	113.91E	7	4.7b,4.5s		¶13404559
LDG	I	03 03 50 14.6–.27	56.48N	113.09E	10	4.7b,2.9s		
MOS	I	03 03 50 14.5–1.1	56.20N	113.51E	13	4.6b,2.9s		
BYKL	I	03 03 50 15.6–.26	56.23N	113.55E	9–4	4.6b,2.9s		
ISCJB	I	03 03 50 15.8–.68	56.27N–.02	113.38E–.04	18–5	4.4b,3.7s		
NEIC	I	03 03 50 16.2–.21	56.25N	113.41E	10	4.6b,3.7s		
IDC	I	03 03 50 18.9–4.2	56.22N	113.40E	31–31	4.1,4.1		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=12.8km s-min=4.0km az=106.0.
MOS Event type fe. Error ellipse: s-maj=7.3km s-min=4.9km az=84.8. Felt (III-IV) at Severomuisk. Moment Tensor Solution.
BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 15.00 62.00 122.00 16 0 IEC + 142.00 42.00 45.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 333.00 59.00 178.00 29.00 82.00 11.00 IEC + 3.69 3.51 5.68 3.00 3.00 1.41 IEC. FELT I=IV-V MSK at Severomuisk.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.5km az=149.8.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.2km az=157.0.
IDC Error ellipse: s-maj=14.8km s-min=11.9km az=27.0.

(228) Near east coast of eastern Honshu

ISC	**I**	**03 07 13 04.5–.34**	**37.08N–.03**	**141.19E–.03**	**54–2**	**4.8b,3.9s**	**504**	**0-152**
NIED	I	03 07 13 00	37.10N	141.20E	50	4.7W,3.9s		¶13404562
MOS	I	03 07 13 01.1–.92	37.06N	141.06E	38	5.0b,3.9s		
BJI	I	03 07 13 02.0	37.13N	141.17E	57	5.0b,4.9b		
ISCJB	I	03 07 13 03.0–.39	37.09N–.03	141.17E–.03	55–2	4.8b,3.9s		
JMA	I	03 07 13 03.5–.10	37.06N	141.17E	51–1	4.8,3.9s		
IDC	I	03 07 13 04.2–.46	37.05N	141.01E	50–4	4.4,4.4		
NEIC	I	03 07 13 05.1–.73	37.13N	141.06E	58–6	4.8b,4.6W		
SZGRF	I	03 07 13 06.5	38.20N	141.38E	33	4.9b,4.6W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ71.00000°,λ86.00000°. NP2:ϕ_s216.00000°,δ19.00000°,λ103.00000°. $M_0$1.07000×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=4.6km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=40.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s12.00000°,δ71.00000°,λ84.00000°. NP2: ϕ_s209.00000°,δ19.00000°,λ106.00000°. Principal axes: T Plg63.0000°,Azm273.0000° ; N Plg5.0000°,Azm13.0000°; P Plg26.0000°,Azm106.0000°
IDC Error ellipse: s-maj=13.2km s-min=9.7km az=111.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.9km az=133.0. Felt at Tokyo. Recorded [4 JMA] in Fukushima; [2 JMA] in Ibaraki, Miyagi and Tochigi; [1 JMA] in Chiba, Gumma, Iwate, Niigata, Saitama, Tokyo and Yamagata. Moment Tensor Solution. $M_0$1.10000×10^{16}
SZGRF Near east coast of eastern Honshu, Japan.

(228) Near east coast of eastern Honshu

ISC	**I**	**03 16 02 39.7–2.0**	**37.03N–.07**	**141.4E–.10**	**38–3**	**3.3b**	**24**	**0-61**
IDC	I	03 16 02 39.8–1.3	37.45N	140.81E	0	3.4b,3.4		¶15527924
ISCJB	I	03 16 02 39.7–1.2	37.04N–.05	141.3E–.10	47–7	3.3b,3.4		
JMA	I	03 16 02 41.1–.10	37.06N	141.20E	50–1	3.7,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=21.3km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=15.4km s-min=6.9km az=22.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(280) Banda Sea

ISC	**I**	**03 16 30 47.4–.29**	**7.51S–.03**	**128.50E–.04**	**134–2**	**5.4b**	**1213**	**4-161**
BJI	I	03 16 30 34.3	8.26S	128.89E	84	5.5b,5.2b		¶11526858
TEH	I	03 16 30 43.0	7.47S	128.49E	81	5.5L,5.2b		
MOS	I	03 16 30 46.0–.96	7.36S	128.39E	128	5.4b,5.2b		
NEIC	I	03 16 30 46.6–.15	7.44S	128.46E	127	5.4b,5.2b		
ISCJB	I	03 16 30 47.8–.38	7.59S–.02	128.46E–.02	154–3	5.4b,5.2b		
DJA	I	03 16 30 48	7.73S	128.53E	163	5.4W,5.2b		
IDC	I	03 16 30 48.9–.57	7.42S	128.42E	142–4	5.0,5.0		

ISC Event type fe.
MOS Error ellipse: s-maj=10.1km s-min=5.5km az=110.4.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.3km az=61.0. Felt at Darwin, Australia.

ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.7km az=32.6.
IDC Error ellipse: s-maj=12.6km s-min=8.0km az=66.0.

(162) South Island

WEL	**I**	**03 18 24 25.1–.14**	**44.49S**	**168.27E**	**5**	**3.5L**		**¶11751958**

WEL Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=90.0. Felt in the Otago region, maximum reported intensity MM 4.

(196) Irian Jaya region

ISC	**I**	**03 19 43 55.8–.24**	**0.53S–.02**	**132.60E–.03**	**31–1**	**7.5s,6.6b**	**2692**	**2-167**
IDC	I	03 19 43 48.9–.33	0.49S	132.76E	0	7.3s,7.3		**¶13989025**
NEIC	I	03 19 43 50.6–.14	0.41S	132.89E	17	7.7,7.6W		
ISCJB	I	03 19 43 51.3–.67	0.36S–.02	132.87E–.02	22–4	7.5s,6.4b		
BJI	I	03 19 43 51.5	0.40S	132.90E	23	7.5b,7.4s		
MOS	I	03 19 43 52.5–1.6	0.46S	132.81E	33	7.3s,6.5b		
SZGRF	I	03 19 43 53.3	2.77S	132.43E	33	7.6b,6.5b		
DJA	I	03 19 43 55	0.56S	132.85E	15	7.9W,6.5b		

ISC Event type de.
IDC Error ellipse: s-maj=14.3km s-min=6.4km az=79.0.
NEIC Event type de. Error ellipse: s-maj=5.7km s-min=4.6km az=61.0. At least four people killed at Manokwari and one killed at Sorong. At least 250 people injured, 840 buildings damaged and power outages in western Papua. Felt [VI] at Manokwari and Sorong and [IV] at Nabire and Ransiki. Also felt on Ambon. A tsunami was recorded with the following wave heights [peak-to-trough]: 78 cm at Manokwari, 38 cm on Biak and 20 cm at Jayapura, Indonesia; 13.0 cm at Ishigakijima, 10.2 cm at Naha, 30.7 cm at Omaezeki and 30.8 cm at Tosashimizu, Japan; 0.8 cm on Yap, Federated States of Micronesia; 20.0 cm on Saipan, Northern Mariana Islands; 3.7 cm at Malakal, Palau; 5.2 cm on Wake Island. Complex earthquake observed on broadband displacement seismograms. A small event is followed by a much larger one about 6 seconds later. Depth and focal mechanism based on the larger event. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s315.00000°,δ80.00000°,λ100.00000°. NP2: ϕ_s90.00000°,δ14.00000°,λ45.00000°. Principal axes: T Plg54.0000°,Azm237.0000° ; N Plg0.0000°,Azm0.0000°; P Plg34.0000°,Azm36.0000° Moment Tensor Solution. s72 Moment tensor: Scale 10^{20}Nm; M_{rr}1.07 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$0.09 $M_{r\theta}$-0.47 $M_{\theta\phi}$0.70 $M_{\phi r}$0.38
Best double couple: NP1:ϕ_s304.00000°,δ58.00000°,λ102.00000°. NP2:ϕ_s102.00000° ,δ34.00000°,λ71.00000°. Principal axes: T 1.2300,Plg73.0000°,Azm246.0000° ; N 0.3800,Plg10.0000°,Azm117.0000°; P -1.6000,Plg12.0000°,Azm25.0000°
$M_0$1.40000×10^{20} Moment Tensor Solution. $M_0$1.20000×10^{20}
ISCJB Event type de. Error ellipse: s-maj=3.6km s-min=2.9km az=142.4.
MOS Error ellipse: s-maj=8.1km s-min=4.5km az=113.6. Moment Tensor Solution.
$M_0$1.00000×10^{20}
SZGRF Irian Jaya, Indonesia, region.

(718) Hindu Kush region

ISC	**I**	**03 20 23 20.4–.17**	**36.46N–.03**	**70.74E–.02**	**209–1**	**5.8b**	**2148**	**2-171**
BGS	I	03 20 23 02.2–1.2	34.51N	72.60E	205	5.4b		**¶13404580**
SZGRF	I	03 20 23 16.7	36.18N	70.97E	186	6.0b		
BJI	I	03 20 23 18.8	36.62N	70.61E	206	6.3b,6.0b		
ISCJB	I	03 20 23 19.0–.23	36.43N–.01	70.73E–.01	202–2	5.7b,6.0b		
MOS	I	03 20 23 19.2–.85	36.44N	70.78E	207	6.2s,5.9b		
NEIC	I	03 20 23 20.2–.10	36.42N	70.74E	205	5.8b,5.9b		
DJA	I	03 20 23 20	36.30N	70.86E	196	6.3b,5.9b		
IDC	I	03 20 23 20.8–.29	36.43N	70.79E	209–2	5.6b,5.6		
NIC	I	03 20 23 21.5–.90	36.51N	70.76E	200	5.6b,5.6		
NNC	I	03 20 23 21.8–4.6	36.86N	70.24E	155–54	7.1,6.0b		

ISC Event type fe.
BGS Error ellipse: s-maj=265.8km s-min=327.4km az=-1.0.
SZGRF Hindu Kush, Afghanistan, region.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=18.6.
MOS Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=126.4. Felt (III-IV) at Chimkent, Taraz. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=199.0. Felt [IV] at Baghlan, Charikar and Jabal os Saraj; [III] at Bagrami, Jalalabad, Kabul and Mazar-e Sharif; [II] at Khowst. Also felt at Asadabad, Asmar, Eshkashem, Konduz, Mehtar Lam and Sarowbi. Felt [IV] at Peshawar and [III] at Islamabad and Lahore, Pakistan. Felt [III] at Dushanbe, Tajikistan. Also felt at Khorugh and Uroteppa. Felt [II] at Tashkent, Uzbekistan. Also felt at Termiz. Felt at Delhi, Gurgaon and Pathankot, India; Srinagar, Kashmir; Osh, Kyrgyzstan.
IDC Error ellipse: s-maj=6.3km s-min=5.1km az=177.0.
NIC Earthquake Hindu Kush Region, Afghanistan 3km SW Ghowrayd gharami.
NNC Error ellipse: s-maj=37.9km s-min=31.1km az=38.0.

(196) Irian Jaya region

ISC	**I**	**03 21 49 32.3–.27**	**0.28S–.04**	**132.91E–.04**	**39–2**	**5.8s,5.5b**	**589**	**3-167**
BJI	I	03 21 49 25.9	0.78S	133.37E	42	6.0b,5.8s		**¶11526871**
IDC	I	03 21 49 26.5–.32	0.26S	132.81E	0	5.7s,5.7		
MOS	I	03 21 49 29.6–.98	0.33S	132.79E	33	5.8s,5.6b		
DJA	I	03 21 49 30	0.41S	132.97E	10	5.7b,5.6b		
NEIC	I	03 21 49 30.9–1.4	0.33S	132.89E	29–10	5.6b,5.6b		
ISCJB	I	03 21 49 30.7–.59	0.32S–.02	133.01E–.03	44–5	6.1s,5.5b		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Manokwari and Sorong.
ISCJB Event type fe.

(244) Taiwan

ISC	**I**	**03 22 04 35.8–.37**	**24.16N–.02**	**121.76E–.02**	**15–1**	**4.9b**	**539**	**0-149**
BJI	I	03 22 04 32.6	24.17N	121.84E	10	5.4b,5.2s		**¶11527886**
IDC	I	03 22 04 32.9–.86	24.21N	121.77E	0	4.6,4.5b		
NEIC	I	03 22 04 34.9–.78	24.16N	121.75E	10–4	5.1L,5.0b		
TAP	I	03 22 04 35.0	24.15N	121.73E	7–0	5.1L,5.0b		
ISCJB	I	03 22 04 35.2–.28	24.17N–.01	121.80E–.02	20–1	5.1s,4.8b		
MOS	I	03 22 04 37.3–1.1	24.40N	121.76E	33	5.1b,4.8b		
DJA	I	03 22 04 41	24.55N	121.12E	10	5.1b,4.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=21.4km s-min=17.5km az=158.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.7km az=118.0. Felt at Chia-i, Nan-t'ou and San-hsia. Recorded [4 TAP] in Hua-lien; [3 TAP] in I-lan and Nan-t'ou; [2 TAP] in T'ai-chung; [1 TAP] in Hsin-chu, Miao-li, T'ai-pei, T'ao-yuan and Yun-lin.
TAP C.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=1.8km az=28.4.
MOS Error ellipse: s-maj=10.2km s-min=5.6km az=117.4.

(196) Irian Jaya region

ISC	**I**	**03 22 07 48.1–.40**	**0.24S–.04**	**132.98E–.05**	**37–1**	**6.0s,5.3b**	**274**	**3-153**
BJI	I	03 22 07 40.8	0.82S	133.43E	40	5.8b,5.7s		**¶11526873**
DJA	I	03 22 07 41	0.19N	132.86E	10	5.5b,5.7s		
IDC	I	03 22 07 42.5–.40	0.22S	132.81E	0	5.0,4.9b		
ISCJB	I	03 22 07 46.3–.70	0.28S–.03	133.02E–.03	42–6	5.7s,5.2b		
NEIC	I	03 22 07 47.5–.18	0.28S	132.86E	35	5.3b,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=10.1km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.3km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.2km az=69.0. Felt [III] at Sorong.

(196) Irian Jaya region

ISC	**I**	**03 22 33 42.7–.27**	**0.71S–.02**	**133.31E–.03**	**34–0**	**7.3s,6.5b**	**1889**	**2-167**
BJI	I	03 22 33 32.6	1.43S	133.80E	33	7.4b,7.2s		**¶13989020**
IDC	I	03 22 33 36.4–.26	0.72S	133.13E	0	7.2s,7.2		
MOS	I	03 22 33 39.7–1.1	0.70S	133.28E	33	7.0s,6.5b		
NEIC	I	03 22 33 40.3–.10	0.69S	133.31E	23	7.5,7.4s		
TEH	I	03 22 33 40.3	0.71S	133.36E	23	7.4L,7.4s		
ISCJB	I	03 22 33 41.3–.44	0.70S–.02	133.42E–.02	46–3	7.2s,6.4b		
DJA	I	03 22 33 45	0.83S	133.38E	60	7.5W,6.4b		
SZGRF	I	03 22 33 47.6	0.49S	131.98E	33	7.3b,6.4b		

ISC Event type de.
IDC Error ellipse: s-maj=8.0km s-min=4.8km az=82.0.
MOS Error ellipse: s-maj=8.0km s-min=4.5km az=111.2. Moment Tensor Solution.
$M_0$9.00000×10^{19}
NEIC Event type de. Error ellipse: s-maj=4.4km s-min=3.4km az=63.0. Casualties and damage are included with the event at 19:33 UTC. Felt [VII] at Manokwari, [VI] at Sorong, [IV] at Nabire and [III] at Biak. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s310.00000°,δ75.00000°,λ100.00000°. NP2: ϕ_s96.00000°,δ18.00000°,λ57.00000°. Principal axes: T Plg59.0000°,Azm234.0000° ; N Plg0.0000°,Azm0.0000°; P Plg29.0000°,Azm32.0000° Moment Tensor Solution. s53 Moment tensor: Scale 10^{19}Nm; M_{rr}7.33 $M_{\theta\theta}$-7.43 $M_{\phi\phi}$0.10 $M_{r\theta}$-2.77 $M_{\theta\phi}$3.19 $M_{\phi r}$3.43
Best double couple: NP1:ϕ_s306.00000°,δ60.00000°,λ108.00000°. NP2:ϕ_s93.00000° ,δ35.00000°,λ62.00000°. Principal axes: T 8.8300,Plg69.0000°,Azm254.0000° ; N 0.6500,Plg15.0000°,Azm116.0000°; P -9.4800,Plg13.0000°,Azm22.0000°
$M_0$9.20000×10^{19} Moment Tensor Solution. $M_0$6.00000×10^{19}
ISCJB Event type de. Error ellipse: s-maj=3.6km s-min=2.8km az=147.9.
SZGRF Irian Jaya, Indonesia, region.

(368) Southern Greece

ISC	**I**	**04 05 10 34.6–.53**	**36.82N–.02**	**22.13E–.02**	**15–3**	**4.3b**	**556**	**0-121**
IDC	I	04 05 10 31.7–.58	36.80N	22.21E	0	4.2b,4.2		**¶13404594**
CSEM	I	04 05 10 33.5–.15	36.66N	22.12E	10	4.4b,3.9s		
NEIC	I	04 05 10 33.5–.25	36.73N	22.28E	10	4.3b,4.1L		
ISCJB	I	04 05 10 33.5–.42	36.60N–.02	22.12E–.02	24–2	4.3b,4.1L		
MOS	I	04 05 10 35.1–1.1	36.75N	22.14E	33	4.4b,4.1s		
THE	I	04 05 10 35.7	36.80N	22.13E	0–0	4.1L,4.1s		
TEH	I	04 05 10 35.0	36.84N	22.12E	1	4.3L,4.1s		
ATH	I	04 05 10 35.5	36.82N	22.13E	14–0	4.0L,4.1s		
PRU	I	04 05 10 38.5	37.27N	23.59E	0	4.3,4.1s		
VIE	I	04 05 10 45.0–.86	37.54N	21.63E	10	3.9s,3.5b		

ISC Event type de.
IDC Error ellipse: s-maj=15.1km s-min=13.5km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=42.0.
NEIC Event type de. Error ellipse: s-maj=5.4km s-min=3.3km az=206.0. One person killed and one injured by a falling wall at Khora Gaitson. Felt at Kalamata and Sparta.
ISCJB Event type de. Error ellipse: s-maj=3.5km s-min=2.8km az=18.7.
MOS Error ellipse: s-maj=10.3km s-min=4.5km az=85.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=201.0.
ATH Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0.
VIE Error ellipse: s-maj=9.7km s-min=6.5km az=30.0. 77 km S of Patras .

(196) Irian Jaya region

ISC	**I**	**04 05 44 04.9–.30**	**0.73S–.03**	**133.27E–.04**	**34–0**	**5.3b,4.8s**	**537**	**2-161**
BJI	I	04 05 43 56.6	1.37S	133.61E	31	5.5b,5.2b		**¶11528226**
IDC	I	04 05 43 59.6–.47	0.67S	133.23E	0	5.3,5.3		
MOS	I	04 05 44 02.9–1.2	0.67S	133.11E	33	5.5b,4.6s		
ISCJB	I	04 05 44 04.9–.57	0.69S–.03	133.30E–.03	50–5	5.3b,4.8s		
NEIC	I	04 05 44 04.4–.14	0.67S	133.19E	32	5.3b,4.8s		
TEH	I	04 05 44 05.0	0.70S	133.19E	35	5.4L,4.8s		
DJA	I	04 05 44 07	0.76S	133.30E	42	5.4W,4.8s		

ISC Event type fe.
IDC Error ellipse: s-maj=25.8km s-min=12.5km az=78.0.
MOS Error ellipse: s-maj=10.9km s-min=5.7km az=104.2.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.2km az=39.4.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=70.0. Felt [IV] at Manokwari.

(246) Southwestern Ryukyu Islands

ISC	**I**	**04 13 36 22.2–.83**	**23.99N–.07**	**123.59E–.03**	**30–5**	**4.4b,3.6s**	**106**	**0-95**
NIED	I	04 13 36 00	24.00N	123.60E	35	4.5W,3.6s		**¶13404602**
BJI	I	04 13 36 14.3	23.52N	123.87E	14	4.7b,4.2s		
IDC	I	04 13 36 17.7–.64	24.06N	123.55E	0	4.2b,4.2		
JMA	I	04 13 36 22.6–.10	23.96N	123.58E	32–1	4.5,4.2		
NEIC	I	04 13 36 22.3–2.4	24.07N	123.61E	31–17	4.5b,4.4W		
ISCJB	I	04 13 36 22.3–.46	24.03N–.05	123.59E–.04	44–4	4.2b,3.6s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ72.00000°,λ82.00000°. NP2:ϕ_s256.00000°,δ19.00000°,λ113.00000°. $M_0$5.55000×10^{15}
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] on Iriomote-jima and [1 JMA] on Hateruma-jima and Ishigaki-jima. Moment Tensor Solution. $M_0$5.60000×10^{15}
ISCJB Event type fe.

(37) Nevada

ISC	**I**	**04 15 29 28.0–1.2**	**41.19N–.02**	**114.77W–.02**	**0–10**		**105**	**1-30**
NEIC	I	04 15 29 27.0	41.33N	114.84W	9	3.6L		**¶11534691**
IDC	I	04 15 29 29.1–1.7	41.24N	115.08W	0	3.7,3.4L		

ISC Event type fe.
NEIC Event type fe. Felt at Wells. Also felt at Oakley, Idaho. After REN.
IDC Error ellipse: s-maj=24.0km s-min=13.7km az=141.0.

(543) Germany

ISC	**I**	**04 15 30 28.5–.49**	**47.198N–.01**	**9.301E–.01**	**0–3**	**3.8b**	**1189**	**0-76**
MOS	I	04 15 30 28.8–1.1	47.25N	9.31E	11	4.0b		**¶11528261**
ISCJB	I	04 15 30 29.1–.18	47.215N–.01	9.30E–.01	6–1	3.8b		
IDC	I	04 15 30 29.9–1.2	47.21N	9.35E	0	3.7b,3.7L		
GEN	I	04 15 30 30.4	47.28N	9.49E	1	4.1L,3.7L		
LEDBW	I	04 15 30 30.4–.16	47.161N–.01	9.389E–.01	7–3	4.4L,3.7L		
IPEC	I	04 15 30 30.8–.09	47.24N	9.32E	11–1	4.3L,3.7L		
LDG	I	04 15 30 30.0–.06	47.24N	9.37E	3	4.5L,4.2		
CSEM	I	04 15 30 30.3–.06	47.23N	9.30E	2	4.7L,3.8b		
ZUR	I	04 15 30 30.1	47.18N	9.36E	4–0	4.1L,3.8b		
PRU	I	04 15 30 30.4	47.30N	9.32E	0	4.1L,3.8b		
NEIC	I	04 15 30 30.0	47.18N	9.36E	3	4.5L,4.3L		
VIE	I	04 15 30 31.3–.53	47.27N	9.39E	9–1	4.3L,3.9b		
BNS	I	04 15 30 32.0–.27	47.19N	9.45E	10	4.1L,3.9b		
BGR	I	04 15 30 32.5–.39	47.27N	9.41E	10	4.4L,3.9b		

ISC Event type ke.
MOS Error ellipse: s-maj=3.9km s-min=3.0km az=50.5.
ISCJB Event type fe. Error ellipse: s-maj=1.4km s-min=1.2km az=1.5.
IDC Error ellipse: s-maj=13.7km s-min=8.2km az=85.0.
LEDBW Error ellipse: s-maj=3.2km s-min=2.6km az=148.0.
IPEC Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=145.0.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=5.0.
ZUR Event type ke.
NEIC Event type fe. Felt in Voralberg, Austria. After ZUR.
VIE Event type fe. Error ellipse: s-maj=3.8km s-min=2.4km az=48.0. 16 km S of St Gallen . felt 4-5 ems98 in Vorarlberg.
BNS Event type ke.
BGR Event type ke. Error ellipse: s-maj=7.8km s-min=3.3km az=31.0.

(36) Northern California

ISC	**I**	**04 17 27 11.5–.52**	**38.69N–.04**	**122.90W–.05**	**10**	**4.1s,3.9b**	**58**	**0-98**
BJI	I	04 17 27 09.0	38.49N	123.68W	6	4.8b,4.6s		**¶11528270**
NEIC	I	04 17 27 10.0	38.78N	122.77W	4	4.2W,4.6s		
ISCJB	I	04 17 27 10.1–.41	38.70N–.04	122.83W–.06	10	4.0s,4.0b		
IDC	I	04 17 27 12.6–2.1	38.89N	122.80W	0	4.0,3.9b		

ISC Event type fe.
NEIC Event type fe. Felt [V] at Middletown, [IV] at Cobb, [III] at Pope Valley and [II] at Angwin, Calistoga, Clearlake, Cloverdale, Geyserville, Healdsburg, Hidden Valley Lake, Kelseyville, Kenwood, Lower Lake, Napa, Petaluma, Saint Helena, San Francisco, Santa Rosa, Sonoma and Windsor. Also felt at Antioch, Clearlake Oaks, Deer Park, Emeryville, Fairfield, Glen Ellen, Greenbrae, Guerneville, Lakeport, Novato, Oakley, Oakville, Rohnert Park, Rutherford, Sacramento, San Rafael, Sausalito, South Lake Tahoe, Suisun City, Vacaville and Yountville. After NCEDC. Moment Tensor Solution. $M_0$2.70000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=3.8km az=144.5.
IDC Error ellipse: s-maj=50.7km s-min=11.3km az=21.0.

(704) Nicobar Islands region

ISC	**I**	**04 20 22 58.8–.30**	**6.49N–.03**	**94.30E–.04**	**72–1**	**5.3b**	**1159**	**1-170**
SZGRF	I	04 20 22 47.8	5.72N	94.07E	33	5.2b,4.3s		**¶13404606**
BJI	I	04 20 22 52.4	6.04N	94.16E	64	5.3b,5.1b		
MOS	I	04 20 22 53.4–.97	6.57N	94.27E	33	5.6b,4.4s		
NEIC	I	04 20 22 54.7–.14	6.45N	94.17E	35	5.4b,4.4s		
TEH	I	04 20 22 57.0	6.31N	94.13E	67	5.3L,4.4s		
ISCJB	I	04 20 22 57.3–.48	6.52N–.02	94.26E–.02	69–4	5.2b,4.4s		
DJA	I	04 20 23 00	6.53N	94.35E	69	5.2W,4.4s		
IDC	I	04 20 23 00.9–1.1	6.55N	94.31E	87–8	4.9,4.9		

ISC Event type fe.
SZGRF Northern Sumatera, Indonesia.
MOS Error ellipse: s-maj=8.6km s-min=4.0km az=117.9.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.4km az=217.0. Felt at Banda Aceh, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=36.0.
IDC Error ellipse: s-maj=9.8km s-min=8.3km az=54.0.

(127) Chile-Argentina border region

ISC	**I**	**04 20 53 26.7–.39**	**34.44S–.03**	**70.71W–.05**	**94–3**	**4.7b**	**194**	**0-166**
NEIC	I	04 20 53 26.5–.24	34.46S	70.58W	90	5.1b		**¶11534692**
ISCJB	I	04 20 53 26.0–.30	34.48S–.03	70.60W–.05	95–2	4.4b		
GUC	I	04 20 53 27.0–.58	34.44S	70.72W	93–3	4.6L		
IDC	I	04 20 53 27.0–.52	34.45S	70.59W	93–4	4.3b,4.2		

ISC Event type fe.

NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.6km az=86.0. Felt [III] at Curico, Rancagua and San Fernando; [II] at Puente Alto, San Javier, Santiago, Talagante and Talca.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=4.4km az=6.5.
GUC Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=9.8km az=104.0.

(238) Ryukyu Islands

ISC	**I**	**04 21 18 01.2–1.0**	**28.06N–.08**	**129.44E–.09**	**22–7**	**3.1b**	**26**	**0-72**
IDC	I	04 21 17 55.1–5.9	27.97N	129.93E	0	3.6,3.5		**¶12080289**
JMA	I	04 21 18 00.9	28.08N	129.42E	32–1	3.5,3.5		
NIED	I	04 21 18 00	28.10N	129.40E	41	3.8W,3.5		
ISCJB	I	04 21 18 00.8–.66	28.08N–.07	129.4E–.10	29–5	3.2b,3.5		

ISC Event type fe.
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s106.00000°,δ78.00000°,λ111.00000°. NP2:ϕ_s224.00000°,δ24.00000°,λ31.00000°. M_o5.26000×10^{14}
ISCJB Event type fe.

(718) Hindu Kush region

ISC	**I**	**04 23 12 60.0–.15**	**36.50N–.02**	**70.91E–.02**	**195–1**	**5.6b**	**2174**	**2-154**
SZGRF	I	04 23 12 26.8	35.21N	72.30E	195	5.3b		**¶13989036**
BGS	I	04 23 12 41.7–1.3	34.21N	72.28E	187	5.6b		
ISCJB	I	04 23 12 58.0–.21	36.48N–.01	70.88E–.01	184–2	5.7b		
BJI	I	04 23 12 58.7	36.68N	70.81E	193	5.3b,5.1b		
MOS	I	04 23 12 58.8–.84	36.49N	70.93E	194	5.9b,5.1b		
TEH	I	04 23 12 59.0	36.59N	70.90E	180	5.9L,5.1b		
NEIC	I	04 23 12 59.3–.33	36.44N	70.88E	187–3	5.7b,5.6W		
IDC	I	04 23 13 00.4–.29	36.43N	70.98E	200–2	5.3,5.3		
DJA	I	04 23 13 00	36.45N	70.88E	179	5.6b,5.3		
NNC	I	04 23 13 02.4–4.5	36.96N	70.56E	173–53	6.9,5.5b		

ISC Event type fe.
SZGRF Pakistan.
BGS Error ellipse: s-maj=295.9km s-min=348.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=14.8.
MOS Error ellipse: s-maj=4.8km s-min=2.9km az=130.7.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=197.0. Felt [IV] at Jalalabad; [III] at Bagrami and Kabul; [II] at Asadabad and Charikar. Also felt at Asmar, Baghlan, Khowst and Mazar-e Sharif. Felt [IV] at Peshawar and [III] at Islamabad, Pakistan. Also felt at Abottabad, Kohat, Lahore and Rawalpindi. Felt [II] at Tashkent, Uzbekistan. Felt at Kishtwar and Srinagar, India; Shymkent, Kazakhstan; Dushanbe and Khorugh, Tajikistan. Depth from broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s51 Moment tensor: Scale 10^{17}Nm; M_{rr}2.73 $M_{\theta\theta}$-2.94 $M_{\phi\phi}$0.22 $M_{r\theta}$0.95 $M_{\theta\phi}$0.23 $M_{\phi r}$1.50 Best double couple: NP1:ϕ_s296.00000°,δ41.00000°,λ128.00000°. NP2: ϕ_s70.00000°,δ59.00000°,λ62.00000°. Principal axes: T 3.5700,Plg64.0000°,Azm289.0000° ; N -0.4700,Plg23.0000°,Azm85.0000°; P -3.1000,Plg9.0000°,Azm179.0000° M_o3.40000×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=5.5km az=3.0.
NNC Error ellipse: s-maj=36.7km s-min=24.9km az=18.0.

(37) Nevada

NEIC	**I**	**04 23 36 02.2**	**41.55N**	**115.88W**	**2**	**3.7L**		**¶11534694**

NEIC Event type fe. Felt at Mountain City. After REN.

(228) Near east coast of eastern Honshu

ISC	**I**	**05 01 36 29.2–.45**	**36.99N–.04**	**141.76E–.03**	**32–2**	**4.8b,4.0s**	**401**	**1-155**
NIED	I	05 01 36 00	37.00N	141.80E	23	4.5W,4.0s		**¶13404611**
BJI	I	05 01 36 25.7	36.99N	141.75E	20	4.8b,4.8b		
JMA	I	05 01 36 28.2–.20	36.97N	141.76E	50–3	4.8,4.8b		
MOS	I	05 01 36 28.5–1.2	37.07N	141.81E	40	4.9b,4.8b		
ISCJB	I	05 01 36 28.4–.60	36.96N–.03	141.76E–.04	39–4	4.7b,4.0s		
NEIC	I	05 01 36 29.1–.83	36.88N	141.88E	39–7	4.8b,4.5W		
IDC	I	05 01 36 30.9–2.3	36.96N	141.67E	46–20	4.5,4.5L		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ69.00000°,λ90.00000°. NP2:ϕ_s205.00000°,δ21.00000°,λ90.00000°. M_o6.98000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=8.4km s-min=5.1km az=119.5.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.2km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=6.1km az=120.0. Felt at Narita. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi; [1 JMA] in Gumma, Kanagawa, Miyagi and Saitama. Moment Tensor Solution. M_o7.00000×10^{15}
IDC Error ellipse: s-maj=17.2km s-min=13.9km az=106.0.

(49) Gulf of California

ISC	**I**	**05 10 59 31.6–.32**	**23.90N–.04**	**108.82W–.04**	**19–1**	**5.6b,5.2s**	**1789**	**1-157**
BJI	I	05 10 59 28.6	23.68N	108.94W	20	5.7b,5.4s		**¶13404614**
MOS	I	05 10 59 28.4–1.3	23.81N	108.77W	10	5.7b,5.3s		
NEIC	I	05 10 59 30.5–.24	23.81N	108.76W	10	5.7b,5.5W		
MEX	I	05 10 59 30.6–.55	23.82N	108.94W	19–44	5.5,5.5W		
ISCJB	I	05 10 59 30.6–.18	23.89N–.02	108.71W–.02	20	5.5b,5.2s		
IDC	I	05 10 59 31.7–.41	23.89N	108.82W	19–2	5.0,5.0		
SZGRF	I	05 10 59 36.6	26.04N	112.59W	33	5.5b,5.4s		

ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=3.9km az=92.5.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=221.0. Felt [II] at Cabo San Lucas, La Paz and Los Cabos, Mexico. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17} Nm; M_{rr}0.65 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$1.55 $M_{r\theta}$0.08 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.29 Best double couple: NP1: ϕ_s213.00000°,δ79.00000°,λ10.00000°. NP2:ϕ_s122.00000°,δ80.00000°,λ169.00000°. Principal axes: T 1.8200,Plg14.0000°,Azm77.0000°; N 0.5700,Plg75.0000°,Azm259.0000° ; P -2.3900,Plg0.0000°,Azm167.0000° M_o2.20000×10^{17}
MEX Error ellipse: s-maj=15.5km s-min=7.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=136.0.
IDC Error ellipse: s-maj=16.0km s-min=8.2km az=60.0.
SZGRF Baja California, Mexico.

(162) South Island

WEL	**I**	**05 11 34 47.4–.14**	**45.76S**	**167.47E**	**12**	**3.7L**		
NEIC	I	05 11 34 47.5	45.77S	167.46E	12	3.7L		**¶11752008**

WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=90.0. Felt in the Fiordland region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Manapouri. After WEL.

(259) Mindanao

MAN	**I**	**05 21 30 24**	**7.49N**	**122.22E**	**15**	**4.1b,2.9L**		**¶14716454**

MAN Event type fe. INTENSITY II - ZAMBOANGA CITY.

(229) Off east coast of Honshu

ISC	**I**	**05 23 52 55.2–.33**	**37.62N–.03**	**142.84E–.03**	**22–1**	**5.0b,4.7s**	**658**	**1-145**
NIED	I	05 23 52 00	37.60N	143.00E	23	4.9W,4.7s		**¶13404625**
ISCJB	I	05 23 52 52.9–.73	37.64N–.02	142.86E–.02	15–4	4.9b,4.7s		
BJI	I	05 23 52 53.8	37.81N	142.72E	18	5.1b,5.0b		
JMA	I	05 23 52 53.5–.10	37.59N	142.97E	45	5.0,5.0b		
DJA	I	05 23 52 54	37.64N	142.81E	10	5.1b,5.0b		
MOS	I	05 23 52 56.8–.91	37.89N	142.71E	33	5.2b,4.8s		
IDC	I	05 23 52 56.0–.50	37.59N	142.83E	28–2	4.6,4.5		
NEIC	I	05 23 52 56.0–.24	37.64N	142.84E	28	5.1b,4.8W		
SZGRF	I	05 23 53 11.2	38.43N	142.93E	30	4.8b,4.8W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ65.00000°,λ91.00000°. NP2:ϕ_s203.00000°,δ25.00000°,λ88.00000°. M_o2.20000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=162.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=7.8km s-min=4.5km az=111.0.
IDC Error ellipse: s-maj=12.9km s-min=10.5km az=126.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=131.0. Recorded [1 JMA] in Iwate and Miyagi. Moment Tensor Solution. M_o2.20000×10^{16}
SZGRF Near east coast of eastern Honshu, Japan.

(671) Eastern Siberia

ISC	**I**	**06 00 05 39.7–.54**	**60.19N–.04**	**149.42E–.03**	**12–3**	**3.9b**	**92**	**1-78**
MOS	I	06 00 05 37.8–.91	60.12N	149.28E	16	4.2b		**¶12080429**
NERS	I	06 00 05 37.8	60.13N	149.30E	2	4.2b		
NEIC	I	06 00 05 40.8–.72	60.44N	149.08E	15–4	4.2b		
IDC	I	06 00 05 41.2–1.0	60.44N	149.17E	18–4	3.7,3.6		

ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=17.5km s-min=10.8km az=88.4. Felt (III) at Magadan, Karamken. Moment Tensor Solution.
NERS Event type se. Felt I=III MSK at Magadan(105km).
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=7.6km az=149.0.
IDC Error ellipse: s-maj=26.1km s-min=15.1km az=150.0.

(246) Southwestern Ryukyu Islands

ISC	**I**	**06 03 37 41.9–.56**	**24.20N–.04**	**124.08E–.03**	**25–3**	**4.6b,3.8s**	**228**	**0-144**
NIED	I	06 03 37 00	24.20N	124.10E	14	4.4W,3.8s		**¶13404627**
ISCJB	I	06 03 37 39.9–.40	24.16N–.03	124.09E–.02	23–2	4.5b,4.0s		
BJI	I	06 03 37 40.0	23.89N	124.18E	35	4.7b,4.3s		
JMA	I	06 03 37 40.1–.10	24.20N	124.12E	17–1	4.8,4.3s		
IDC	I	06 03 37 41.7–4.0	24.27N	124.12E	27–27	4.3,4.2		
MOS	I	06 03 37 41.3–1.2	24.17N	124.05E	33	4.7b,4.2		
NEIC	I	06 03 37 43.6–.69	24.17N	124.04E	40–6	4.9b,4.3W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s254.00000°,δ60.00000°,λ-142.00000°. NP2:ϕ_s142.00000°,δ58.00000°,λ-37.00000°. M_o3.83000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=2.8km az=160.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=19.9km s-min=12.6km az=72.0.
MOS Error ellipse: s-maj=11.8km s-min=7.2km az=111.8.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=6.0km az=136.0. Recorded [2 JMA] on Hateruma-jima, Iriomote-jima and Ishigaki-jima and [1 JMA] on Tarama-shima. Moment Tensor Solution. M_o3.80000×10^{15}

(277) Jawa

ISC	**I**	**06 14 36 13.0–2.0**	**7.8S–.10**	**107.9E–.10**	**64–17**	**4.0b**	**48**	**1-150**
IDC	I	06 14 36 04.5–.64	7.75S	107.88E	0	4.1,4.0		**¶12080519**
NEIC	I	06 14 36 11.0–3.3	7.77S	107.92E	45–29	4.1b,4.0		
DJA	I	06 14 36 13	8.12S	107.98E	33	4.7,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=30.8km s-min=14.6km az=51.0.
NEIC Event type fe. Error ellipse: s-maj=18.3km s-min=8.0km az=54.0. Felt [III] at Pangandaran.

(460) Wyoming

ISC	**I**	**06 18 37 48.6–.66**	**44.41N–.02**	**105.47W–.02**	**0**		**101**	**0-19**
IDC	I	06 18 37 47.2–1.4	44.32N	105.56W	0	3.3,3.1		**¶12080541**
ISCJB	I	06 18 37 48.2–.22	44.41N–.01	105.47W–.02	0	3.3,3.1		
NEIC	I	06 18 37 49.2–1.6	44.40N	105.45W	0	3.0L,3.1		

ISC Event type fm.
IDC Error ellipse: s-maj=42.0km s-min=8.4km az=144.0.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=1.8km az=4.7.
NEIC Event type fm. Error ellipse: s-maj=24.4km s-min=20.6km az=172.0. 15 km [10 miles] NNE of Gillette. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

ISC	**I**	**06 21 44 37.2–.86**	**36.98N–.05**	**141.67E–.07**	**33**	**3.8b**	**60**	**1-63**
NIED	I	06 21 44 00	37.00N	141.50E	41	3.9W		**¶15529132**
ISCJB	I	06 21 44 35.4–.60	36.96N–.04	141.71E–.05	33	3.8b,3.1s		
JMA	I	06 21 44 36.8–.20	36.97N	141.54E	49–2	4.0,3.1s		
IDC	I	06 21 44 37.7–1.2	36.98N	141.67E	37–7	3.6,3.6L		
NEIC	I	06 21 44 38.1–1.2	36.97N	141.73E	44–9	4.1b,3.6L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ81.00000°,λ86.00000°. NP2:ϕ_s220.00000°,δ10.00000°,λ114.00000°. M_o9.12000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=135.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s319.00000°,δ82.00000°,λ79.00000°. NP2: ϕ_s192.00000°,δ14.00000°,λ143.00000°. Principal axes: T Plg52.0000°,Azm216.0000° ; N Plg11.0000°,Azm320.0000°; P Plg36.0000°,Azm58.0000°
IDC Error ellipse: s-maj=24.6km s-min=19.4km az=86.0.
NEIC Event type fe. Error ellipse: s-maj=16.5km s-min=14.5km az=50.0. Recorded [2 JMA] in Fukushima.

(196) Irian Jaya region

ISC	**I**	**06 22 48 29.8–.28**	**0.69S–.03**	**133.44E–.03**	**34–0**	**5.9s,5.9b**	**838**	**5-168**
IDC	I	06 22 48 24.4–.33	0.61S	133.43E	0	5.8,5.8s		**¶13404641**
BJI	I	06 22 48 25.1	0.83S	133.85E	31	6.0b,5.7s		
NEIC	I	06 22 48 27.2–.14	0.66S	133.43E	16	6.0W,5.9b		
ISCJB	I	06 22 48 28.1–.47	0.66S–.02	133.55E–.02	33–4	5.8s,5.8b		
MOS	I	06 22 48 28.5–1.2	0.56S	133.41E	33	6.1b,5.7s		
DJA	I	06 22 48 33	0.82S	133.46E	51	6.1W,5.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.1km s-min=7.6km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=69.0. Felt [IV] at Manokwari and [III] at Sorong. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s120.00000°,δ80.00000°,λ-100.00000°. NP2: ϕ_s345.00000°,δ14.00000°,λ-45.00000°. Principal axes: T Plg34.0000°,Azm219.0000° ; N Plg0.0000°,Azm0.0000°; P Plg54.0000°,Azm18.0000° Moment Tensor Solution. s57 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.62 $M_{\theta\theta}$-3.84 $M_{\phi\phi}$4.46 $M_{r\theta}$-5.62 $M_{\theta\phi}$-2.26 $M_{\phi r}$2.92 Best double couple: NP1:ϕ_s28.00000°,δ37.00000°,λ-5.00000°. NP2:ϕ_s122.00000° ,δ87.00000°,λ-127.00000°. Principal axes: T 7.7500,Plg32.0000°,Azm241.0000° ; N 0.3200,Plg36.0000°,Azm123.0000°; P -8.0800,Plg36.0000°,Azm359.0000° M_o7.90000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=143.9.
MOS Error ellipse: s-maj=8.9km s-min=5.1km az=111.1.

(257) Negros

MAN	**I**	**07 00 12 30**	**9.29N**	**123.23E**	**10**	**4.2b,3.0L**		**¶14716457**

MAN Event type fe. INTENSITY III - SIBULAN & VALENCIA NEGROS ORIENTAL; INTENSITY II - BACONG SAN JOSE N. ORIENTAL.

(76) Off coast of central America

ISC	**I**	**07 06 35 52.9–1.0**	**12.66N–.05**	**88.69W–.05**	**54–10**	**4.3b,3.8s**	**474**	**1-148**
IDC	I	07 06 35 45.7–.73	12.76N	88.36W	0	4.4,4.2		**¶11659094**
ISCJB	I	07 06 35 51.0–.46	12.61N–.04	88.67W–.04	51–4	4.3b,3.7s		
CASC	I	07 06 35 50.9–1.9	12.60N	88.75W	36–914	4.5b,4.5L		
NEIC	I	07 06 35 53.0–1.1	12.64N	88.59W	57–10	4.5b,4.5		

ISC Event type fe.
IDC Error ellipse: s-maj=34.6km s-min=13.5km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=3.0km az=136.7.
CASC Error ellipse: s-maj=10.7km s-min=7.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=14.9km s-min=7.3km az=57.0. Felt [II] at San Salvador.

(228) Near east coast of eastern Honshu

ISC	**I**	**07 08 46 11.4–1.1**	**40.11N–.04**	**142.37E–.07**	**31**	**3.7b**	**29**	**0-60**
NIED	I	07 08 46 00	40.10N	142.50E	47	3.7W		**¶12080620**
ISCJB	I	07 08 46 09.9–.77	40.12N–.03	142.50E–.07	31	3.7b		
JMA	I	07 08 46 10.6–.10	40.12N	142.47E	34–1	3.8		
IDC	I	07 08 46 13.8–2.5	40.13N	142.58E	72–21	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ75.00000°,λ84.00000°. NP2:ϕ_s223.00000°,δ16.00000°,λ111.00000°. M_o4.41000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.5km az=16.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=35.9km s-min=16.1km az=95.0.

(238) Ryukyu Islands

ISC	**I**	**07 09 24 17.9–.93**	**29.31N–.04**	**129.91E–.08**	**52–8**	**3.7b**	**56**	**1-115**
NIED	I	07 09 24 00	29.30N	129.90E	35	4.0W		**¶12080624**
ISCJB	I	07 09 24 17.0–.38	29.31N–.03	129.93E–.08	57–4	3.7b		
JMA	I	07 09 24 17.0–.10	29.35N	129.89E	61–2	3.6		
NEIC	I	07 09 24 19.3–1.2	29.23N	129.92E	66–11	3.9b		
IDC	I	07 09 24 19.1–2.6	29.24N	129.82E	67–24	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s47.00000°,δ74.00000°,λ80.00000°. NP2:ϕ_s260.00000°,δ19.00000°,λ121.00000°. M_o1.05000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=3.6km az=18.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=10.8km az=100.0.
IDC Error ellipse: s-maj=30.3km s-min=14.9km az=94.0.

(224) Hokkaido region

ISC	**I**	**07 09 30 58.2–.54**	**41.74N–.04**	**142.61E–.04**	**44–5**	**3.6b**	**99**	**0-147**
NIED	I	07 09 30 00	41.70N	142.60E	38	3.9W		**¶12080625**
ISCJB	I	07 09 30 56.2–.40	41.70N–.04	142.59E–.04	43–4	3.6b		
MOS	I	07 09 30 56.6–1.6	41.73N	142.73E	53	4.2b		
JMA	I	07 09 30 56.1–.10	41.70N	142.60E	38–3	3.8		
NEIC	I	07 09 30 56.1	41.70N	142.60E	38	3.8		
IDC	I	07 09 30 58.0–.75	41.67N	142.47E	45–6	3.7,3.6		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s350.00000°,δ57.00000°,λ72.00000°. NP2:ϕ_s201.00000°,δ37.00000°,λ116.00000°. $M_0$6.76000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.7km az=141.2.
MOS Error ellipse: s-maj=16.6km s-min=9.6km az=64.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s359.00000°,δ53.00000°,λ66.00000°. NP2: ϕ_s216.00000°,δ43.00000°,λ119.00000°. Principal axes: T Plg70.0000°,Azm210.0000° ; N Plg19.0000°,Azm14.0000°; P Plg5.0000°,Azm106.0000°
NEIC Event type fe. Recorded [1 JMA] in southern and southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. After JMA.
IDC Error ellipse: s-maj=16.7km s-min=10.6km az=93.0.

(116) Central Peru

ISC	**I**	**07 11 25 18.3–.38**	**9.86S–.05**	**74.42W–.07**	**35**	**4.7b,3.8s**	**520**	**3-163**
IDC	I	07 11 25 12.7–.56	9.76S	74.41W	0	4.3,4.2		¶11534058
ISCJB	I	07 11 25 16.4–.26	9.81S–.05	74.44W–.04	33	4.5b,3.9s		
NEIC	I	07 11 25 17.8–1.4	9.91S	74.52W	35–10	4.7b,4.0L		
BJI	I	07 11 25 20.9	9.90S	74.50W	32	5.0s,4.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.6km s-min=11.7km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.9km az=37.9.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.4km az=51.0. Felt [II] at Puerto Inca. Also felt at Oxapampa, Pucallpa and Satipo.

(460) Wyoming

ISC	**I**	**07 20 01 36.8–.62**	**43.54N–.02**	**105.30W–.02**	**0**		**89**	**0-20**
IDC	I	07 20 01 32.5–2.8	43.06N	105.16W	0	3.5,3.3L		¶12080669
NEIC	I	07 20 01 36.8–.51	43.53N	105.15W	0	3.2L,3.3L		

ISC Event type ke.
IDC Error ellipse: s-maj=53.3km s-min=9.0km az=156.0.
NEIC Event type fm. Error ellipse: s-maj=8.1km s-min=5.4km az=143.0. 85 km [55 miles] WSW of Newcastle. Suspected Mining explosion.

(460) Wyoming

ISC	**I**	**07 21 08 19.8–.55**	**43.68N–.02**	**105.27W–.02**	**0**		**137**	**0-20**
IDC	I	07 21 08 15.9–2.9	43.30N	105.20W	0	4.4L,3.5		¶12080678
NEIC	I	07 21 08 19.1–.65	43.53N	105.12W	0	3.1L,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=66.9km s-min=9.5km az=155.0.
NEIC Event type fm. Error ellipse: s-maj=10.9km s-min=5.8km az=138.0. 85 km [50 miles] WSW of Newcastle. Suspected Mining explosion.

(118) Peru-Bolivia border region

ISC	**I**	**07 23 16 48.0–.36**	**15.93S–.05**	**69.38W–.06**	**213**	**4.3b**	**259**	**1-155**
ISCJB	I	07 23 16 46.9–.21	15.79S–.04	69.31W–.06	213	4.1b		¶11534073
NEIC	I	07 23 16 50.6–.49	15.91S	69.32W	237–5	4.4b		
IDC	I	07 23 16 51.0–.54	15.79S	69.25W	238–4	3.9,3.8b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.3km az=154.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.0km az=54.0. Felt at Puno and Sorata.
IDC Error ellipse: s-maj=20.3km s-min=10.5km az=28.0.

(196) Irian Jaya region

ISC	**I**	**07 23 38 50.3–.40**	**0.66S–.04**	**133.04E–.05**	**40–3**	**5.0b,4.2s**	**250**	**2-153**
IDC	I	07 23 38 44.4–.52	0.73S	132.88E	0	4.8,4.7		¶11534074
BJI	I	07 23 38 46.2	1.18S	132.80E	37	5.1b,4.8b		
MOS	I	07 23 38 47.8–.93	0.63S	132.89E	33	5.2b,4.8b		
ISCJB	I	07 23 38 49.0–.73	0.63S–.04	133.09E–.03	44–6	5.1b,4.2s		
TEH	I	07 23 38 50.0	0.66S	132.98E	35	5.0L,4.2s		
NEIC	I	07 23 38 50.5–.94	0.64S	132.94E	41–9	5.1b,4.2s		
DJA	I	07 23 38 52	0.76S	133.08E	42	5.3W,4.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=26.8km s-min=10.4km az=76.0.
MOS Error ellipse: s-maj=15.5km s-min=6.7km az=110.4.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.0km az=39.6.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.6km az=58.0. Felt [III] at Manokwari.

(226) Near west coast of eastern Honshu

ISC	**I**	**08 02 41 25.2–.94**	**37.20N–.03**	**138.84E–.04**	**12–7**	**3.4b**	**22**	**0-65**
NIED	I	08 02 41 00	37.20N	138.80E	5	3.5W		¶12080703
IDC	I	08 02 41 23.1–1.1	37.17N	138.97E	0	3.6,3.5		
ISCJB	I	08 02 41 24.9–.45	37.22N–.03	138.86E–.06	22–4	3.4b,3.5		
JMA	I	08 02 41 25.3	37.22N	138.83E	10–1	4.0,3.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ62.00000°,λ77.00000°. NP2: ϕ_s214.00000°,δ30.00000°,λ114.00000°. $M_0$2.09000×10^{14}
IDC Error ellipse: s-maj=24.6km s-min=9.8km az=124.0.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.5km az=173.9.
JMA Event type fe.

(2) Southern Alaska

ISC	**I**	**08 03 15 14.9–.88**	**61.68N–.03**	**150.63W–.03**	**57–7**		**59**	**0-64**
ISCJB	I	08 03 15 13.5–.33	61.68N–.03	150.59W–.06	67–4	3.0b		¶12080706
NEIC	I	08 03 15 15.3	61.66N	150.63W	57	3.2L		
IDC	I	08 03 15 15.3–8.2	61.69N	150.57W	54–72	3.2,3.0L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.4km az=16.1.
NEIC Event type fe. Felt at Anchorage. After AEIC.
IDC Error ellipse: s-maj=55.7km s-min=24.7km az=44.0.

(259) Mindanao

ISC	**I**	**08 03 36 43.1–1.1**	**9.59N–.04**	**124.69E–.05**	**56–10**	**4.5b,3.3s**	**119**	**1-146**
BJI	I	08 03 36 34.7	8.86N	124.99E	47	4.9b,4.6b		¶11712652
MAN	I	08 03 36 40	9.60N	124.72E	28	5.3b,4.5s		
ISCJB	I	08 03 36 41.2–.42	9.61N–.03	124.75E–.04	54–4	4.4b,3.3s		
IDC	I	08 03 36 45.5–2.5	9.57N	124.75E	79–23	4.0,4.0		
NEIC	I	08 03 36 45.2–.91	9.53N	124.77E	80–9	4.8b,4.0		

ISC Event type fe.
MAN Event type fe. INTENSITY III - MAMBAJAO CAMIGUIN; INTENSITY II - JAGNA BOHOL; CEBU CITY; INTENSITY I - DUMAGUETE TAGBILARAN CITY.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.7km az=160.2.
IDC Error ellipse: s-maj=20.9km s-min=10.0km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=4.8km az=61.0. Felt [III PIVS] at Mambajao, Camiguin. Felt [II PIVS] at Jagna and [I PIVS] at Tagbilaran, Bohol. Also felt [II PIVS] at Cebu City, Cebu and at Cagayan de Oro, Mindanao. Felt [I PIVS] at Dumaguete, Negros.

(391) Albania

ISC	**I**	**08 12 04 04.8–.30**	**41.78N–.01**	**20.81E–.01**	**15–1**	**4.9b,4.3s**	**1778**	**0-145**
ATH	I	08 12 04 00.0	41.94N	20.74E	5–3	5.0L,4.3s		¶13404673
BJI	I	08 12 04 00.5	41.87N	20.51E	10	5.1b,4.9s		
SKO	I	08 12 04 01.7	41.74N	20.62E	20	4.9L,4.5		
TIR	I	08 12 04 01.9–3.4	41.82N	20.89E	7–78	5.1L,4.5		
LDG	I	08 12 04 01.8–.25	41.89N	20.81E	10	5.2b,3.6s		
PDG	I	08 12 04 03.9–.61	41.81N	20.85E	9–1	4.9L,4.7		
THE	I	08 12 04 04.5	41.79N	20.86E	1–2	5.1L,4.7		
ISCJB	I	08 12 04 04.4–.23	41.803N–.01	20.78E–.01	19–2	4.9b,4.3s		
BEO	I	08 12 04 05.0–.43	41.80N	20.79E	0–3	4.6L,4.3s		
NEIC	I	08 12 04 05.7–.59	41.80N	20.83E	18–4	5.1L,5.0b		
MOS	I	08 12 04 05.8–.96	41.82N	20.72E	33	5.0b,4.2s		
PRU	I	08 12 04 05.8	41.82N	20.23E	0	5.0,4.2s		
VIE	I	08 12 04 06.0–.34	41.88N	20.85E	10	4.9s,4.5b		
IDC	I	08 12 04 07.8–1.3	41.81N	20.76E	36–10	4.5,4.5		
HLW	I	08 12 04 10.3	41.29N	21.51E	33–26	4.7L,0.0		

ISC Event type fe.
ATH Error ellipse: s-maj=3.2km s-min=2.7km az=-1.0.
TIR Error ellipse: s-maj=7.9km s-min=14.1km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=13.0km s-min=6.0km az=20.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=327.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=37.0.
BEO Event type ke.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=1.8km az=221.0. Felt [V] at Gostivar; [III] at Ohrid, Skopje and Tetovo; [II] at Bitola. Also felt at Bogovinje, Debar, Dolna Banjica, Drugovo, Kicevo, Prilep, Saraj, Srbinovo, Veles and Vinica. Felt at Tirana and Vore, Albania and at Pristina and Prizren, Kosovo. Moment Tensor Solution. $M_0$1.40000×10^{16}
MOS Error ellipse: s-maj=3.8km s-min=2.4km az=102.1.
VIE Error ellipse: s-maj=4.4km s-min=2.6km az=23.0.
IDC Error ellipse: s-maj=10.3km s-min=8.9km az=155.0.

(74) Near coast of Nicaragua

ISC	**I**	**08 12 31 43.1–.71**	**12.64N–.05**	**88.02W–.05**	**61–6**	**4.4b**	**315**	**1-148**
BJI	I	08 12 31 41.4	12.50N	88.00W	57	5.1b		¶11594434
ISCJB	I	08 12 31 42.7–.41	12.60N–.04	88.00W–.04	69–3	4.4b		
NEIC	I	08 12 31 43.4–.37	12.65N	87.92W	67	4.6b		
CASC	I	08 12 31 43.7–1.5	12.62N	88.06W	45–37	5.0,4.6b		
IDC	I	08 12 31 43.6–.78	12.82N	87.73W	67–6	4.1,3.9		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=3.6km az=44.4.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=4.7km az=223.0. Felt [II] at La Union, El Salvador.
CASC Error ellipse: s-maj=6.5km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=27.0km s-min=8.4km az=54.0.

(196) Irian Jaya region

ISC	**I**	**08 16 18 51.0–.29**	**0.43S–.03**	**133.00E–.04**	**23–1**	**5.3b,4.8s**	**477**	**3-167**
BJI	I	08 16 18 44.7	0.71S	133.21E	14	5.3b,5.1b		¶11534387
ISCJB	I	08 16 18 47.0–.87	0.35S–.02	133.07E–.03	8–5	5.3b,4.8s		
IDC	I	08 16 18 47.4–.43	0.44S	132.89E	0	4.7b,4.7		
NEIC	I	08 16 18 50.1–.16	0.41S	132.93E	18	5.4b,5.4W		
MOS	I	08 16 18 51.0–.90	0.32S	132.86E	33	5.4b,4.7s		
DJA	I	08 16 18 52	0.68S	132.99E	10	5.5W,4.7s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.9km az=157.0.
IDC Error ellipse: s-maj=21.8km s-min=9.2km az=84.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=65.0. Felt [III] at Manokwari. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$1.48 $M_{r\theta}$-0.44 $M_{\theta\phi}$0.66 $M_{\phi r}$0.04 Best double couple: NP1:ϕ_s56.00000°,δ81.00000°,λ-12.00000°. NP2:ϕ_s148.00000°,δ79.00000°,λ-171.00000°. Principal axes: T 1.6200,Plg1.0000° ,Azm102.0000°; N 0.1000,Plg75.0000°,Azm199.0000°; P -1.7200,Plg14.0000°,Azm11.0000° $M_0$1.70000×10^{17}
MOS Error ellipse: s-maj=11.2km s-min=5.7km az=111.5.

(478) Utah

ISC	**I**	**08 18 19 29.8–.97**	**40.52N–.05**	**112.36W–.04**	**0**		**17**	**0-13**
NEIC	I	08 18 19 30.6–1.9	40.59N	112.30W	0	2.0L		¶12080766
IDC	I	08 18 19 40.1–.97	40.94N	111.82W	0	3.2,3.0		

ISC Event type fm.
NEIC Event type fm. Error ellipse: s-maj=25.8km s-min=20.7km az=83.0. NEAR Tooele. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.7km s-min=7.6km az=138.0.

(78) Costa Rica

ISC	**I**	**08 19 21 34.8–.54**	**10.22N–.02**	**84.22W–.02**	**11–2**	**6.0s,5.5b**	**2118**	**0-178**
CASC	I	08 19 21 30.8–17	10.55N	83.89W	6–37	5.7b,5.1		¶13962308
SZGRF	I	08 19 21 33.4	10.40N	84.71W	33	6.2s,5.2b		
IDC	I	08 19 21 33.5–.39	10.46N	84.13W	0	5.9,5.9s		
ISCJB	I	08 19 21 34.9–.53	10.31N–.02	84.23W–.01	14–3	6.0s,5.5b		
BJI	I	08 19 21 35.1	10.20N	84.20W	5	6.5s,6.3		
NEIC	I	08 19 21 35.6–.15	10.17N	84.20W	14	6.1W,6.1W		
MOS	I	08 19 21 38.2–1.2	10.32N	84.34W	33	6.0s,5.6b		

ISC Event type de.
CASC Error ellipse: s-maj=21.7km s-min=17.1km az=-1.0. Moment Tensor Solution. NP1: ϕ_s30.48000°,δ48.44000°,λ30.79000°.
SZGRF Costa Rica.
IDC Error ellipse: s-maj=17.8km s-min=6.6km az=67.0.
ISCJB Event type de. Error ellipse: s-maj=3.7km s-min=1.9km az=25.1.
NEIC Event type de. Error ellipse: s-maj=3.6km s-min=2.3km az=206.0. At least 23 people killed, 100 injured and 17 missing in central Costa Rica. Many of the casualties were caused by landslides. A total of 518 houses destroyed or damaged at Barrio Fatima de Heredia, Barrio Santa Cecilia de Aserri, Cinchona, Dulce Nombre de Alajuela, Infiernillo, Leon XIII, Los Guido, Poasito, Rio Cuarto, Sabana Redonda, Santa Rosa de Poas and Vara Blanca. Roads were damaged in the Cinchona and Vara Blanca areas and bridges were destroyed or damaged at Los Angeles, Rio Cuarto de Grecia and Bajos del Toro. Electricity was disrupted in parts of San Jose. Felt [VII] at Naranjo and [VI] at Alajuela, Asuncion, Cinco Esquinas, Escazu, Grecia, Heredia, Llorente, Mercedes, Sabanilla, San Francisco, San Jose, San Josecito, San Juan, San Pablo, San Rafael, San Vicente and Santa Ana. Felt throughout Costa Rica and in southern and central Nicaragua. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ70.00000°,λ-15.00000°. NP2:ϕ_s135.00000°,δ76.00000°,λ-159.00000°. Principal axes: T Plg4.0000°,Azm272.0000° ; N Plg0.0000°,Azm0.0000°; P Plg24.0000°,Azm4.0000° Moment Tensor Solution. s67 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.43 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$1.89 $M_{r\theta}$-0.08 $M_{\theta\phi}$-0.76 $M_{\phi r}$0.05 Best double couple: NP1:ϕ_s33.00000°,δ87.00000°,λ-1.00000°. NP2:ϕ_s123.00000° ,δ89.00000°,λ-177.00000°. Principal axes: T 2.0600,Plg1.0000°,Azm257.0000° ; N -0.4300,Plg86.0000°,Azm143.0000°; P -1.6300,Plg3.0000°,Azm347.0000° $M_0$1.90000×10^{18} Moment Tensor Solution. $M_0$2.00000×10^{18}
MOS Error ellipse: s-maj=6.8km s-min=4.3km az=98.1.

(190) New Ireland region

ISC	**I**	**08 21 47 05.1–.33**	**4.82S–.04**	**153.16E–.05**	**68–2**	**4.9b**	**309**	**7-158**
MOS	I	08 21 47 00.0–1.2	4.69S	153.04E	33	5.2b		¶11534397
ISCJB	I	08 21 47 02.5–.88	4.79S–.04	153.15E–.04	58–8	4.9b,4.5s		
IDC	I	08 21 47 03.7–.52	4.71S	153.15E	54–4	4.5,4.5		
NEIC	I	08 21 47 03.9–.24	4.77S	153.07E	55	5.1b,4.5		
DJA	I	08 21 47 05	4.79S	153.35E	70	5.2b,4.5		
BJI	I	08 21 47 05.7	4.60S	153.00E	77	5.1b,5.0s		

ISC Event type fe.
MOS Error ellipse: s-maj=9.9km s-min=7.1km az=94.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=6.3km az=165.7.
IDC Error ellipse: s-maj=13.3km s-min=8.8km az=106.0.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=5.0km az=92.0. Felt at Rabaul.

(249) Luzon

ISC	**I**	**08 22 09 46.1–1.4**	**13.03N–.04**	**122.55E–.05**	**4–10**	**3.8b**	**22**	**0-48**
ISCJB	I	08 22 09 45.5–1.5	12.98N–.05	122.53E–.05	7–11	3.6b,3.5s		¶12080785
IDC	I	08 22 09 45.7–.95	12.94N	122.49E	0	3.8s,3.8		
MAN	I	08 22 09 46	13.10N	122.56E	8	4.6b,3.4L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.4km az=137.1.
IDC Error ellipse: s-maj=31.7km s-min=12.6km az=51.0.
MAN Event type fe. INTENSITY II - SAN ANDRES QUEZON.

(158) Off west coast of North Island

WEL	**I**	**09 01 52 12.6–.40**	**39.11S**	**173.64E**	**14–1**	**3.7L**		
NEIC	I	09 01 52 10.9	39.05S	173.47E	22	3.8L		¶11752083

WEL Event type fe. Error ellipse: s-maj=3.3km s-min=1.8km az=90.0. Felt in the Taranaki region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at New Plymouth and Oakura. After WEL.

(43) Southern California

ISC	**I**	**09 03 49 45.8–.52**	**34.04N–.02**	**117.33W–.01**	**12–3**	**4.3b,4.0s**	**377**	**0-100**
IDC	I	09 03 49 44.3–1.6	34.03N	117.28W	0	4.4,4.2b		¶11534433
BJI	I	09 03 49 46.3	34.68N	118.16W	9	5.3b,5.2s		
NEIC	I	09 03 49 46.3	34.11N	117.30W	14	4.5W,4.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=27.6km s-min=13.5km az=48.0.
NEIC Event type fe. Felt [IV] at Bloomington, Cedarpines Park, Colton, Fontana, Grand Terrace, Highland, Loma Linda, Rialto, Riverside and San Bernardino; [III] at Adelanto, Angelus Oaks, Apple Valley, Banning, Big Bear Lake, Calimesa, Cedar Glen, Claremont, Compton, Corona, Covina, Crestline, Glendale, Hemet, Hesperia, Homeland, Huntington Park, Idyllwild, Indian Wells, La Verne, Lake Arrowhead, Lake Elsinore, Los Angeles, Lynwood, Lytle Creek, March Air Base, Menifee, Mentone, Midway, Mira Loma, Moreno Valley, Mount Baldy, Murrieta, Norco, Nuevo, Ontario, Palm Desert, Palmdale, Perris, Phelan, Pomona, Rancho Cucamonga, Redlands, Rimforest, Running Springs, San Dimas, San Jacinto, Sun City, Twin Peaks, Upland, Victorville, Wildomar, Winchester and Yucaipa. Felt in much of Southern California from Santa Barbara to Desert Center and from Trona to Imperial Beach and Calexico. Also felt at Tijuana, Baja California. After PAS. Moment Tensor Solution. $M_0$6.00000×10^{15}

(249) Luzon

ISC	**I**	**09 07 28 45.8–.31**	**16.19N–.03**	**119.71E–.04**	**58–2**	**5.1b,4.3s**	**492**	**0-172**
MOS	I	09 07 28 41.1–1.4	16.20N	119.55E	33	5.3b,4.1s		¶13404690
MAN	I	09 07 28 42	16.20N	119.55E	6	5.6b,5.1s		
IDC	I	09 07 28 42.1–.45	16.15N	119.72E	30–3	4.7L,4.7		
ISCJB	I	09 07 28 45.3–.45	16.17N–.02	119.80E–.03	70–4	5.0b,4.7		
BJI	I	09 07 28 45.6	16.38N	119.83E	61	5.0b,4.8b		
NEIC	I	09 07 28 46.2–.55	16.09N	119.74E	66–5	5.2b,4.8b		
DJA	I	09 07 28 54	15.86N	119.43E	95	4.9b,4.8b		

ISC Event type fe.
MOS Error ellipse: s-maj=12.9km s-min=5.9km az=107.0.

MAN Event type fe. Intensity III - Pasig City; Manila City Intensity II - Makati City; Quezon City; Bolinao Pangasinan.
IDC Error ellipse: s-maj=17.5km s-min=9.3km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=168.1.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.9km az=74.0. Felt [III PIVS] at Manila and Pasig; [II PIVS] at Bolinao, Makati and Quezon City. Also felt at San Jacinto.

(710) Pakistan

ISC	**I**	**09 13 04 10.9–.63**	**30.30N–.07**	**67.51E–.07**	**14**	**4.2b,3.2s**	**118**	**4-88**
IDC	I	09 13 04 08.9–.76	30.33N	67.45E	0	4.2,4.0		**¶12080844**
NNC	I	09 13 04 09.9–1.8	30.60N	67.93E	0	3.9b,4.0		
NEIC	I	09 13 04 10.6–.46	30.39N	67.48E	10	4.3b,4.0		
MOS	I	09 13 04 12.7–.99	30.48N	67.58E	33	4.3b,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=21.8km s-min=15.4km az=44.0.
NNC Error ellipse: s-maj=32.8km s-min=14.0km az=89.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=7.0km az=50.0. Felt at Quetta.
MOS Error ellipse: s-maj=14.4km s-min=6.5km az=82.5.

(196) Irian Jaya region

ISC	**I**	**09 14 35 22.5–.35**	**0.65S–.04**	**133.83E–.05**	**34–0**	**5.1b,4.2s**	**369**	**2-153**
TEH	I	09 14 35 00.0	0.68S	133.79E	35	5.2L,4.2s		**¶11534456**
IDC	I	09 14 35 16.9–.48	0.72S	133.81E	0	4.8,4.8b		
BJI	I	09 14 35 19.0	0.76S	133.95E	31	5.2b,5.0b		
MOS	I	09 14 35 20.2–.93	0.73S	133.73E	33	5.3b,5.0b		
ISCJB	I	09 14 35 21.6–.69	0.72S–.04	133.80E–.04	44–6	5.0b,4.2s		
DJA	I	09 14 35 21	0.64S	133.78E	17	5.3b,4.2s		
NEIC	I	09 14 35 22.2–.18	0.71S	133.78E	35	5.2b,4.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=23.6km s-min=9.8km az=82.0.
MOS Error ellipse: s-maj=12.9km s-min=6.1km az=110.1.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.4km az=40.6.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.1km az=76.0. Felt [IV] at Manokwari.

(228) Near east coast of eastern Honshu

ISC	**I**	**09 18 07 11.6–.99**	**35.01N–.04**	**140.22E–.03**	**14–7**	**3.5b**	**26**	**0-59**
ISCJB	I	09 18 07 12.2–.46	35.06N–.04	140.28E–.04	33–5	3.6b		**¶12080868**
JMA	I	09 18 07 12.9–.10	35.12N	140.28E	17–1	3.0		
IDC	I	09 18 07 13.1–2.7	34.66N	139.01E	0	3.6,3.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.1km az=34.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=108.2km s-min=19.7km az=71.0.

(122) Near coast of northern Chile

ISC	**I**	**09 22 43 31.1–.34**	**23.09S–.03**	**70.76W–.05**	**20–2**	**4.9b,4.5s**	**740**	**0-176**
IDC	I	09 22 43 28.3–.50	22.93S	70.60W	0	4.7b,4.7		**¶11534468**
ISCJB	I	09 22 43 29.3–.89	23.05S–.03	70.83W–.03	10–5	4.8b,4.4s		
NEIC	I	09 22 43 30.0	23.04S	70.81W	20	5.0b,5.0L		
GUC	I	09 22 43 30.7–.62	23.04S	70.81W	20–3	5.0L,5.0L		
BJI	I	09 22 43 32.1	23.10S	70.70W	20	5.3s,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.1km s-min=13.6km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.1km az=135.7.
NEIC Event type fe. Felt [III] at Baquedano and Mejillones. After GUC.
GUC Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0.

(35) Near coast of northern California

ISC	**I**	**10 09 18 11.0–1.1**	**38.98N–.04**	**123.39W–.07**	**10**		**34**	**0-24**
ISCJB	I	10 09 18 09.7–.70	38.96N–.04	123.39W–.07	10	3.2b		**¶11534715**
NEIC	I	10 09 18 11.2	39.03N	123.34W	7	3.7W		
IDC	I	10 09 18 14.5–3.4	39.35N	123.03W	0	3.4,3.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=3.8km az=151.8.
NEIC Event type fe. Felt [III] at Ukiah. Also felt at Boonville. After NCEDC. Moment Tensor Solution. $M_0$5.20000×10^{14}
IDC Error ellipse: s-maj=58.6km s-min=18.3km az=36.0.

(460) Wyoming

ISC	**I**	**10 17 02 36.7–.61**	**43.68N–.02**	**105.29W–.02**	**0**		**107**	**0-20**
IDC	I	10 17 02 34.5–2.3	43.32N	105.20W	0	3.9L,3.8		**¶12080966**
ISCJB	I	10 17 02 36.7–.23	43.70N–.01	105.32W–.02	0	3.9L,3.8		
NEIC	I	10 17 02 37.1–.33	43.73N	105.28W	0	3.0L,3.8		

ISC Event type fm.
IDC Error ellipse: s-maj=47.2km s-min=7.3km az=152.0.
ISCJB Event type fm. Error ellipse: s-maj=2.5km s-min=1.9km az=148.4.
NEIC Event type fm. Error ellipse: s-maj=4.6km s-min=4.0km az=202.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**I**	**10 19 23 02.0–.70**	**44.05N–.02**	**105.38W–.02**	**0**		**83**	**0-11**
ISCJB	I	10 19 23 01.7–.24	44.04N–.01	105.37W–.02	0			**¶12080977**
IDC	I	10 19 23 02.8–1.3	44.27N	105.79W	0	3.7,3.4		
NEIC	I	10 19 23 02.3–.47	44.04N	105.33W	0	3.1L,3.4		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=2.0km az=173.8.
IDC Error ellipse: s-maj=53.6km s-min=7.8km az=145.0.
NEIC Event type fm. Error ellipse: s-maj=7.4km s-min=5.8km az=168.0. 30 km [20 miles] SSE of Gillette. Suspected Mining explosion.

(235) Kyushu

JMA	**I**	**10 22 59 02.1–.10**	**30.54N**	**130.52E**	**73–1**	**3.6**		**¶15530451**

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

(43) Southern California

ISC	**I**	**11 01 05 59.8–.84**	**34.30N–.02**	**116.91W–.02**	**7–6**		**83**	**0-7**
NEIC	I	11 01 06 00.1	34.31N	116.92W	7	3.6L		**¶13989100**

ISC Event type fe.
NEIC Event type fe. Felt [IV] at San Bernardino, [III] at Lucerne Valley and [II] at Apple Valley, Big Bear City, Big Bear Lake, Fawnskin, Highland, Lake Arrowhead, Riverside, Running Springs and Victorville. Also felt at Angelus Oaks, Colton, Crestline, Desert Hot Springs, Hesperia, Loma Linda, Mentone, Pomona, Rancho Cucamonga, Redlands, Sugarloaf, Twin Peaks and Yucaipa. After PAS.

(218) Near east coast of Kamchatka Peninsula

ISC	**I**	**11 01 55 44.6–.45**	**53.11N–.04**	**159.97E–.03**	**59–4**	**4.3b**	**254**	**0-144**
BJI	I	11 01 55 41.2	52.26N	159.97E	69	5.0b,4.5s		**¶11594499**
MOS	I	11 01 55 43.2–1.1	53.33N	159.73E	57	4.4b,4.5s		
ISCJB	I	11 01 55 44.7–.33	53.15N–.03	159.84E–.05	74–2	4.2b,4.5s		
IDC	I	11 01 55 45.8–.62	53.35N	159.81E	64–5	3.9,3.9		
KRSC	I	11 01 55 45.6–.20	53.20N	159.90E	52–32	4.7L,3.9		
NEIC	I	11 01 55 46.2–.54	53.22N	159.68E	72–5	4.5b,3.9		

ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=11.0km s-min=7.5km az=81.1. Felt (II) at Petropavlovsk-Kaamchatskiy. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.0km az=44.9.
IDC Error ellipse: s-maj=16.1km s-min=6.6km az=165.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.8km az=173.0.

(224) Hokkaido region

ISC	**I**	**11 05 57 12.0–.33**	**42.62N–.03**	**143.45E–.03**	**75–2**	**4.8b**	**500**	**0-148**
NIED	I	11 05 57 00	42.60N	143.50E	71	4.6W		**¶13404803**
BJI	I	11 05 57 09.5	42.58N	143.54E	77	5.2b,5.0b		
MOS	I	11 05 57 09.5–.96	42.77N	143.35E	64	4.9b,5.0b		
ISCJB	I	11 05 57 10.6–.22	42.62N–.02	143.44E–.02	78–1	4.7b,5.0b		
JMA	I	11 05 57 11.9–.10	42.59N	143.42E	68–1	4.7,5.0b		
NEIC	I	11 05 57 11.8–.18	42.67N	143.42E	71	4.8b,4.6W		
IDC	I	11 05 57 11.8–1.3	42.67N	143.39E	73–10	4.4,4.4		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s324.00000°,δ87.00000°,λ-76.00000°. NP2:ϕ_s66.00000°,δ15.00000°,λ-168.00000°. $M_0$9.65000×10^{15}
MOS Error ellipse: s-maj=7.7km s-min=6.0km az=82.2.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=156.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s314.00000°,δ88.00000°,λ-79.00000°. NP2: ϕ_s54.00000°,δ11.00000°,λ-170.00000°. Principal axes: T Plg42.0000°,Azm33.0000° ; N Plg11.0000°,Azm133.0000°; P Plg46.0000°,Azm235.0000°
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.1km az=153.0. Recorded [3 JMA] in eastern and southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$9.70000×10^{15}
IDC Error ellipse: s-maj=11.8km s-min=10.4km az=108.0.

(224) Hokkaido region

ISC	**I**	**11 12 53 36.9–.27**	**42.93N–.03**	**143.10E–.03**	**98–2**	**4.7b**	**918**	**0-149**
NIED	I	11 12 53 00	42.90N	143.10E	92	4.6W		**¶13404808**
SZGRF	I	11 12 53 31.5	43.15N	144.21E	95	4.6b		
BJI	I	11 12 53 34.4	43.06N	143.30E	102	5.2b,4.8b		
ISCJB	I	11 12 53 35.9–.20	42.92N–.03	143.07E–.02	101–1	4.6b,4.8b		
IDC	I	11 12 53 36.9–.50	42.93N	143.10E	98–3	4.4,4.4		
MOS	I	11 12 53 36.3–.86	42.92N	143.03E	106	4.7b,4.4		
NEIC	I	11 12 53 37.2	42.89N	143.13E	88	4.7b,4.6W		
JMA	I	11 12 53 37.2–.10	42.89N	143.13E	88–1	4.5,4.6W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s320.00000°,δ47.00000°,λ-78.00000°. NP2:ϕ_s122.00000°,δ45.00000°,λ-103.00000°. $M_0$9.75000×10^{15}
SZGRF Hokkaido, Japan, region.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.5km az=171.6.
IDC Error ellipse: s-maj=9.2km s-min=8.0km az=80.0.
MOS Error ellipse: s-maj=6.8km s-min=4.7km az=101.2.
NEIC Event type fe. Felt at Sapporo. Recorded [2 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. After JMA. Moment Tensor Solution. $M_0$9.80000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s337.00000°,δ47.00000°,λ-78.00000°. NP2: ϕ_s139.00000°,δ45.00000°,λ-103.00000°. Principal axes: T Plg1.0000°,Azm58.0000° ; N Plg9.0000°,Azm148.0000°; P Plg81.0000°,Azm322.0000°

(207) Eastern New Guinea region

ISC	**I**	**11 14 03 49.6–.39**	**6.51S–.04**	**147.49E–.07**	**63**	**4.7b**	**146**	**3-153**
ISCJB	I	11 14 03 47.1–.32	6.42S–.03	147.50E–.06	63	4.7b		**¶11594528**
BJI	I	11 14 03 47.2	6.73S	147.68E	75	5.3b,4.8s		
IDC	I	11 14 03 48.4–1.9	6.35S	147.38E	57–18	4.5L,4.4		
NEIC	I	11 14 03 49.6–1.1	6.39S	147.42E	73–10	4.6b,4.4		
DJA	I	11 14 03 49	6.33S	147.80E	68	5.3b,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.3km az=174.2.
IDC Error ellipse: s-maj=19.3km s-min=12.0km az=88.0.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=7.2km az=84.0. Felt at Lae.

(196) Irian Jaya region

ISC	**I**	**11 14 15 55.2–.31**	**0.92S–.04**	**133.51E–.06**	**29**	**4.8b,4.2s**	**211**	**2-153**
IDC	I	11 14 15 50.5–.51	0.76S	133.43E	0	5.1L,4.8		**¶11594530**
BJI	I	11 14 15 51.6	1.23S	133.38E	28	5.2b,4.8s		
MOS	I	11 14 15 53.7–1.1	0.79S	133.39E	33	5.0b,4.8s		
ISCJB	I	11 14 15 53.0–.24	0.74S–.03	133.64E–.04	29	4.8b,4.2s		
DJA	I	11 14 15 54	0.92S	133.57E	10	5.4b,4.2s		
NEIC	I	11 14 15 54.6–2.9	0.77S	133.51E	27–20	4.9b,4.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=25.1km s-min=11.6km az=77.0.
MOS Error ellipse: s-maj=17.0km s-min=6.8km az=115.4.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=162.0.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=5.4km az=58.0. Felt [III] at Manokwari.

(162) South Island

ISC	**I**	**11 15 50 51.1–.74**	**41.64S–.04**	**173.24E–.04**	**107–5**		**178**	**0-151**
ISCJB	I	11 15 50 49.1–.31	41.68S–.03	173.28E–.05	114–4	3.7b		**¶13404810**
NEIC	I	11 15 50 51.0	41.60S	173.23E	102	4.6		
WEL	I	11 15 50 51.1–.19	41.58S	173.24E	100–1	4.6L		
IDC	I	11 15 50 51.9–6.5	41.70S	172.95E	98–49	3.6,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.4km az=41.2.
NEIC Event type fe. Felt [IV] at Motueka and Nelson. Felt in the Wellington area and in the northern part of the South Island. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.6km az=90.0. Felt from Taranaki to Canterbury, and from West Coast to Manawatu, maximum. reported intensity MM 5.
IDC Error ellipse: s-maj=61.4km s-min=28.1km az=56.0.

(259) Mindanao

ISC	**I**	**11 15 53 01.9–.33**	**6.50N–.03**	**126.90E–.04**	**110–2**	**5.1b**	**492**	**1-162**
BJI	I	11 15 52 58.8	6.37N	127.01E	113	5.2b,4.9b		**¶11594534**
ISCJB	I	11 15 53 00.5–.36	6.51N–.02	126.92E–.03	112–2	5.0b,4.9b		
MOS	I	11 15 53 00.9–1.0	6.50N	126.94E	116	5.2b,4.9b		
IDC	I	11 15 53 00.8–.85	6.40N	126.98E	102–6	4.6,4.6		
MAN	I	11 15 53 00	6.41N	126.88E	57	5.5b,4.8s		
TEH	I	11 15 53 01.0	6.44N	126.88E	105	4.9L,4.8s		
NEIC	I	11 15 53 01.2–.71	6.44N	126.87E	107–6	5.0b,4.8s		
DJA	I	11 15 53 03	6.39N	126.89E	105	5.2b,4.8s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=164.4.
MOS Error ellipse: s-maj=12.1km s-min=6.0km az=116.9.
IDC Error ellipse: s-maj=11.1km s-min=7.3km az=71.0.
MAN Event type fe. INTENSITY II - MATI & TAGUM CITY.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=78.0.

(460) Wyoming

ISC	**I**	**11 21 10 56.9–2.2**	**44.10N–.07**	**105.4W–.10**	**0**		**27**	**3-89**
NEIC	I	11 21 10 53.9–7.3	44.12N	105.21W	0	3.0L		**¶12081064**
IDC	I	11 21 11 03.0–1.8	44.02N	105.66W	0	3.8b,3.6		

ISC Event type fm.
NEIC Event type fm. Error ellipse: s-maj=84.8km s-min=15.0km az=76.0. 30 km [20 miles] SE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=57.2km s-min=10.5km az=145.0.

(460) Wyoming

ISC	**I**	**11 22 06 31.4–.64**	**43.71N–.02**	**105.24W–.02**	**0**		**81**	**0-20**
IDC	I	11 22 06 27.3–3.2	43.04N	105.09W	0	3.8L,3.8		**¶12081068**
ISCJB	I	11 22 06 30.6–.27	43.68N–.02	105.31W–.02	0	3.8L,3.8		
NEIC	I	11 22 06 31.5–.36	43.73N	105.24W	0	3.0L,3.8		

ISC Event type fm.
IDC Error ellipse: s-maj=64.5km s-min=9.7km az=159.0.
ISCJB Event type fm. Error ellipse: s-maj=3.0km s-min=2.5km az=9.6.
NEIC Event type fm. Error ellipse: s-maj=5.7km s-min=4.3km az=174.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(250) Mindoro

ISC	**I**	**12 02 00 48.4–.77**	**13.42N–.05**	**120.70E–.09**	**35**	**4.9b**	**50**	**1-56**
ISCJB	I	12 02 00 47.2–.39	13.38N–.04	120.58E–.06	33	4.8b,3.4s		**¶12081078**
NEIC	I	12 02 00 48.4–1.3	13.50N	120.82E	38–13	5.2b,3.4s		
MAN	I	12 02 00 48	13.25N	120.60E	35	4.4b,3.2L		
IDC	I	12 02 00 48.1–2.3	13.52N	120.90E	33–20	4.0,3.8		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=5.5km az=176.6.
NEIC Event type fe. Error ellipse: s-maj=13.7km s-min=7.4km az=53.0. Felt [IV PIVS] at Paluan and [II PIVS] at Mamburao and Puerto Galera.
MAN Event type fe. Intensity IV - Paluan Occidental Mindoro Intensity II - Mamburao Occidental MIndoro; Puerto Galera.
IDC Error ellipse: s-maj=47.0km s-min=15.2km az=64.0.

(224) Hokkaido region

ISC	**I**	**12 03 05 31.1–.36**	**44.23N–.04**	**145.68E–.04**	**149–2**	**4.4b**	**283**	**0-151**
NIED	I	12 03 05 00	44.20N	145.80E	150	4.3W		**¶13404816**
ISCJB	I	12 03 05 29.8–.27	44.24N–.04	145.68E–.04	150–2	4.3b		
BJI	I	12 03 05 29.9	44.59N	145.58E	144	5.0b,4.8b		
MOS	I	12 03 05 30.1–1.1	44.29N	145.60E	156	4.3b,4.8b		
JMA	I	12 03 05 30.9–.20	44.16N	145.75E	143–2	3.8,4.8b		
IDC	I	12 03 05 31.1–.52	44.32N	145.63E	146–4	3.9,3.9		
NEIC	I	12 03 05 31.5–.55	44.29N	145.60E	151–5	4.5b,4.2W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s53.00000°,δ76.00000°,λ-122.00000°. NP2:ϕ_s301.00000°,δ34.00000°,λ-26.00000°. $M_0$2.77000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=151.6.
MOS Error ellipse: s-maj=8.9km s-min=7.5km az=100.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=13.0km s-min=7.2km az=160.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.8km az=146.0. Moment Tensor Solution. $M_0$2.80000×10^{15}

(212) Bonin Islands region

ISC	**I**	**12 08 48 17.6–.58**	**27.43N–.06**	**141.49E–.08**	**26–4**	**4.2s,4.0b**	**95**	**1-151**
NIED	I	12 08 48 00	27.40N	141.90E	62	4.7W,4.0b		**¶13404817**
IDC	I	12 08 48 17.8–.61	27.46N	141.36E	26–3	4.1L,4.1		
ISCJB	I	12 08 48 18.0–.71	27.44N–.05	141.49E–.09	44–7	4.1s,4.0b		

NEIC I 12 08 48 18.8–.40 27.41N 141.39E 35 4.2b,4.0b
JMA I 12 08 48 21.2–.10 27.40N 141.87E 61–3 4.6,4.0b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ87.00000°,λ93.00000°. NP2:ϕ_s114.00000°,δ5.00000°,λ46.00000°. M_o1.07000×10^{16}
IDC Error ellipse: s-maj=17.6km s-min=12.6km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=15.5km s-min=5.1km az=151.3.
NEIC Event type fe. Error ellipse: s-maj=13.1km s-min=8.6km az=63.0. Recorded [1 JMA] in the Chichijima-retto.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=5.9km az=-1.0.

(98) Trinidad

ISC	**I**	**12 09 49 19.3–1.1**	**10.76N–.03**	**61.83W–.04**	**77–9**		**58**	**0-9**
ISCJB	I	12 09 49 19.4–.40	10.80N–.03	61.86W–.03	77–6			**¶14228581**
FUNV	I	12 09 49 21.6	10.74N	61.75W	44	3.2W		
TRN	I	12 09 49 22.1	10.89N	61.80W	31	3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.4km az=41.2.
TRN Event type fe. Felt II and III west of Port of Spain.

(235) Kyushu

JMA	**I**	**12 15 22 51.7**	**32.56N**	**129.99E**	**15–1**	**3.5**		
								¶15530943

JMA Event type fe.

(238) Ryukyu Islands

JMA	**I**	**12 19 06 33.6–.10**	**28.69N**	**129.56E**	**20–3**	**3.8**		
NIED	I	12 19 06 00	28.70N	129.60E	29	3.9W		**¶14141261**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ68.00000°,λ-134.00000°. NP2:ϕ_s161.00000°,δ48.00000°,λ-31.00000°. M_o6.79000×10^{14}

(460) Wyoming

ISC	**I**	**12 21 09 47.5–.57**	**43.72N–.02**	**105.26W–.02**	**0**	**3.7b**	**158**	**0-90**
IDC	I	12 21 09 44.9–2.1	43.36N	105.17W	0	3.7b,3.7		**¶12081140**
ISCJB	I	12 21 09 46.8–.20	43.73N–.01	105.30W–.02	0	3.6b,3.7		
NEIC	I	12 21 09 47.6–.37	43.73N	105.24W	0	3.2L,3.7		

ISC Event type fm.
IDC Error ellipse: s-maj=49.6km s-min=8.2km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.8km az=165.9.
NEIC Event type fm. Error ellipse: s-maj=6.1km s-min=5.0km az=146.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(710) Pakistan

ISC	**I**	**13 01 48 43.1–.42**	**36.06N–.03**	**72.29E–.03**	**56–4**	**4.5b,4.2s**	**293**	**2-151**
IDC	I	13 01 48 35.3–.52	35.88N	72.15E	0	4.5,4.4b		**¶11594590**
MOS	I	13 01 48 39.2–1.2	35.95N	72.27E	34	4.7b,4.4b		
NEIC	I	13 01 48 41.0–.71	35.87N	72.34E	42–7	4.8b,4.4b		
ISCJB	I	13 01 48 42.9–.41	36.06N–.02	72.29E–.03	66–4	4.4b,4.4b		
BJI	I	13 01 48 42.8	36.14N	72.41E	49	5.0b,4.5b		
NNC	I	13 01 48 47.1–3.6	36.31N	72.03E	75–41	4.6,4.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=14.9km s-min=11.8km az=14.0.
MOS Error ellipse: s-maj=7.6km s-min=4.4km az=105.1.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=5.3km az=50.0. Felt at Asadabad, Afghanistan.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.5km az=4.0.
NNC Error ellipse: s-maj=26.8km s-min=18.8km az=29.0.

(78) Costa Rica

CASC	**I**	**13 02 23 28.9–2.0**	**10.21N**	**84.23W**	**6–4**	**4.2**		
NEIC	I	13 02 23 28.5	10.22N	84.23W	5	4.2L,4.1		**¶13989107**

CASC Error ellipse: s-maj=4.5km s-min=3.8km az=-1.0.
NEIC Event type fe. Felt [IV] at Vara Blanca. Also felt at Alajuela, Heredia, Miramar, San Jose and Rio Cuarto. After UCR.

(78) Costa Rica

ISC	**I**	**13 03 37 40.4–1.2**	**10.32N–.04**	**84.26W–.03**	**9–8**	**3.3b**	**59**	**0-69**
ISCJB	I	13 03 37 39.6–.73	10.40N–.04	84.20W–.03	8–5	3.3b		**¶12081165**
NEIC	I	13 03 37 39.7	10.30N	84.20W	0	4.5L,4.0		
IDC	I	13 03 37 40.2–2.1	10.46N	84.27W	0	3.8,3.6		
CASC	I	13 03 37 40.0–2.1	10.29N	84.29W	0–3	4.4,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=3.5km az=26.7.
NEIC Event type fe. Felt [IV] at Rio Cuarto and San Miguel. Also felt at Alajuela, Heredia, Quesada, San Jose and San Ramon. After UCR.
IDC Error ellipse: s-maj=35.3km s-min=10.8km az=150.0.
CASC Error ellipse: s-maj=4.9km s-min=3.8km az=-1.0.

(91) Virgin Islands

ISC	**I**	**13 04 25 14.6–1.4**	**18.65N–.07**	**64.56W–.03**	**52–8**		**101**	**0-2**
TRN	I	13 04 25 13.3	18.58N	64.58W	55	3.5		**¶11594595**
ISCJB	I	13 04 25 14.1–.78	18.64N–.07	64.57W–.03	57–9	3.5		
RSPR	I	13 04 25 15.4	18.63N	64.55W	50–1	3.5		
NEIC	I	13 04 25 15.4	18.63N	64.55W	50	3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=4.5km az=6.7.
RSPR Event type ke.
NEIC Event type fe. Felt on Saint John. After RSPR.

(370) Crete

ISC	**I**	**13 06 12 45.3–.27**	**35.66N–.03**	**26.35E–.02**	**52–2**	**5.1b,4.5s**	**1729**	**1-131**
HLW	I	13 06 12 39.6	36.10N	26.47E	31–27	5.0L,0.0		**¶13404834**
MOS	I	13 06 12 41.9–1.2	35.57N	26.38E	33	5.3b,4.2s		
BJI	I	13 06 12 41.3	35.48N	25.72E	56	5.4b,5.2b		
PDG	I	13 06 12 42.8–.59	35.64N	26.43E	30–2	5.0L,5.2b		
ISCJB	I	13 06 12 42.7–.17	35.60N–.01	26.37E–.01	43–1	5.1b,4.5s		
ATH	I	13 06 12 42.9	35.66N	26.39E	42–1	5.2L,4.5s		
NEIC	I	13 06 12 42.9	35.66N	26.39E	42	5.1b,4.5s		
ISK	I	13 06 12 43.6	35.76N	26.25E	66	5.1L,4.5s		
DJA	I	13 06 12 44	35.70N	26.51E	20	5.3b,4.5s		
CSEM	I	13 06 12 44.3–.06	35.56N	26.41E	54	5.1b,4.7W		
TEH	I	13 06 12 45.0	35.64N	26.35E	46	5.2L,4.7W		
IDC	I	13 06 12 45.3–1.1	35.83N	26.24E	48–10	4.7b,4.7		
NIC	I	13 06 12 46.6–.10	35.64N	26.75E	50	5.3b,5.1L		
THE	I	13 06 12 46.2	35.70N	26.33E	30–13	5.2L,5.1L		
DDA	I	13 06 12 48.9	36.14N	26.75E	21	4.6L,5.1L		
NSSC	I	13 06 12 48.6–4.2	36.84N	27.63E	94–999	4.2L,5.1L		
SZGRF	I	13 06 12 51.6	36.14N	24.74E	33	4.4b,5.1L		
BGS	I	13 06 13 02.6–2.1	37.92N	25.44E	40	5.0b,5.1L		

ISC Event type fe.
MOS Error ellipse: s-maj=4.5km s-min=2.4km az=101.5.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=18.8.
ATH Error ellipse: s-maj=1.0km s-min=0.5km az=-1.0.
NEIC Event type fe. Felt [IV] on Karpathos and at Siteia; [III] at Irakleion. Also felt at Agios Nikolaos, Athens, Epano Arkhanai, Ierapetra, Khersonisos, Kritsa, Malia, Neapolis, Palaikastron and Rodos. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=31.0.
IDC Error ellipse: s-maj=11.5km s-min=7.8km az=135.0.
NIC CRETE, GREECE 36km. N Palaikastron. Moment Tensor Solution. M_o2.00000×10^{15}
THE Event type ke. Error ellipse: s-maj=13.1km s-min=1.5km az=135.0.
DDA Event type ke.
NSSC Error ellipse: s-maj=352.1km s-min=262.7km az=-1.0.
SZGRF Southern Greece.
BGS Error ellipse: s-maj=176.7km s-min=103.6km az=-1.0.

(159) North Island

WEL	**I**	**13 13 33 46.3–.10**	**38.60S**	**177.85E**	**25–1**	**3.5L**		
NEIC	I	13 13 33 45.6	38.62S	177.98E	43	3.8L		**¶11752163**

WEL Event type fe. Error ellipse: s-maj=1.6km s-min=0.9km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Gisborne. After WEL.

(73) El Salvador

CASC	**I**	**13 14 09 12.8–1.4**	**13.55N**	**89.79W**	**68–5**	**4.3L,3.9**		
NEIC	I	13 14 09 11.6	13.56N	89.82W	74	4.2,3.9		**¶13989105**

CASC Error ellipse: s-maj=6.1km s-min=4.2km az=-1.0.
NEIC Event type fe. Felt [II] at San Salvador. After SNET.

(135) Near coast of central Chile

ISC	**I**	**13 17 17 13.4–.28**	**29.59S–.03**	**71.35W–.05**	**62–2**	**5.1b**	**765**	**0-176**
MOS	I	13 17 17 09.8–1.1	29.33S	71.18W	33	5.3b		**¶11594613**
ISCJB	I	13 17 17 13.6–.27	29.61S–.02	71.18W–.06	72–3	4.9b		
IDC	I	13 17 17 13.8–.43	29.60S	71.36W	61–3	4.8,4.7		
GUC	I	13 17 17 13.9–.61	29.60S	71.29W	63–3	5.1L,4.7		
NEIC	I	13 17 17 13.6–.13	29.55S	71.22W	60	5.1b,4.7		

ISC Event type fe.
MOS Error ellipse: s-maj=25.8km s-min=7.1km az=105.6.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=3.3km az=177.3.
IDC Error ellipse: s-maj=17.7km s-min=8.2km az=50.0.
GUC Error ellipse: s-maj=1.3km s-min=5.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=2.8km az=77.0. Felt [III] at Andacollo, Coquimbo, La Serena, Ovalle, Punitaqui and Rio Hurtado; [II] at Vallenar. Also felt at Copiapo, Santiago and Vicuna.

(103) Colombia

ISC	**I**	**13 19 47 52.6–.38**	**5.88N–.04**	**76.11W–.04**	**59–3**	**4.7b,3.9s**	**495**	**1-155**
SZGRF	I	13 19 47 49.8	6.06N	75.19W	58	4.8b,3.9s		**¶13404842**
ISCJB	I	13 19 47 50.9–.52	5.79N–.03	76.09W–.02	53–4	4.6b,4.0s		
BJI	I	13 19 47 51.2	5.80N	76.10W	57	5.4s,5.2b		
IDC	I	13 19 47 52.5–.49	5.84N	76.11W	59–4	4.4,4.3		
NEIC	I	13 19 47 52.3–.23	5.77N	76.14W	58	4.7b,4.3		

ISC Event type fe.
SZGRF Northern Colombia.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=22.2.
IDC Error ellipse: s-maj=14.2km s-min=8.7km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.8km az=57.0. Felt [III] at Medellin and [II] at Envigado and Pereira. Also felt at Manizales and Retiro.

(460) Wyoming

ISC	**I**	**13 20 11 09.7–.73**	**43.80N–.02**	**105.27W–.02**	**0**		**76**	**0-11**
ISCJB	I	13 20 11 09.9–.24	43.77N–.01	105.27W–.02	0			**¶12081213**
NEIC	I	13 20 11 09.9–.78	43.85N	105.28W	0	3.1L		
IDC	I	13 20 11 10.5–1.6	43.95N	105.42W	0	3.6,3.3		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=2.0km az=165.8.
NEIC Event type fm. Error ellipse: s-maj=13.2km s-min=7.9km az=3.0. 50 km [30 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=48.1km s-min=8.6km az=148.0.

(233) Near south coast of western Honshu

JMA	**I**	**13 22 18 13.7**	**34.97N**	**135.72E**	**7**	**3.2**		
								¶15531272

JMA Event type fe.

(459) Yellowstone region

ISC	**I**	**14 03 11 05.3–.92**	**44.56N–.02**	**110.81W–.02**	**6–8**		**101**	**0-4**
NEIC	I	14 03 11 05.0	44.55N	110.80W	6	2.5L		**¶11594646**

ISC Event type fe.
NEIC Event type fe. Felt [III] in Yellowstone National Park. After SLC.

(219) Off east coast of Kamchatka Peninsula

ISC	**I**	**14 05 14 22.9–.33**	**52.23N–.04**	**159.30E–.03**	**60–2**	**5.2b,5.0s**	**1171**	**1-148**
IDC	I	14 05 14 16.2–2.9	52.25N	159.39E	10–17	5.5L,4.8		**¶13404848**
MOS	I	14 05 14 17.9–1.0	52.25N	159.26E	31	5.2b,5.1s		
KRSC	I	14 05 14 19.0–1.6	52.17N	159.70E	11–11	5.5L,5.1s		
BJI	I	14 05 14 20.9	52.52N	159.25E	63	5.2s,5.2b		
DJA	I	14 05 14 21	52.34N	159.20E	25	5.3b,5.2b		
ISCJB	I	14 05 14 21.0–.34	52.16N–.02	159.38E–.02	59–2	5.1b,5.0s		
NEIC	I	14 05 14 23.3–.56	52.27N	159.29E	62–5	5.1b,5.0s		
TEH	I	14 05 14 24.0	52.37N	159.14E	66	5.0L,5.0s		
SZGRF	I	14 05 14 31.9	53.04N	157.82E	60	5.1b,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.9km s-min=9.3km az=166.0.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=4.1km az=95.4. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.1km az=171.8.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.8km az=165.0.
SZGRF Kamchatka Peninsula, Russia.

(460) Wyoming

ISC	**I**	**14 17 00 00.4–.66**	**43.60N–.02**	**105.21W–.02**	**0**		**112**	**0-11**
IDC	I	14 16 59 59.0–1.9	43.37N	105.27W	0	3.6,3.3		**¶12081277**
NEIC	I	14 16 59 59.9–.55	43.63N	105.14W	0	3.0L,3.3		
ISCJB	I	14 17 00 00.3–.22	43.60N–.01	105.29W–.02	0	3.0L,3.3		

ISC Event type fm.
NEIC Event type fm. 80 km [50 miles] SSE of Gillette. Suspected Mining explosion.
ISCJB Event type fm.

(307) Sichuan

ISC	**I**	**14 18 23 40.0–.38**	**31.18N–.03**	**103.40E–.03**	**23–2**	**4.9b,4.0s**	**488**	**0-169**
IDC	I	14 18 23 36.0–.57	31.16N	103.31E	0	4.7,4.7		**¶11594683**
BJI	I	14 18 23 36.8	31.26N	103.21E	15	5.0L,4.9b		
ISCJB	I	14 18 23 36.2–.93	31.17N–.02	103.37E–.02	10–5	4.8b,4.0s		
NEIC	I	14 18 23 37.8–1.9	31.18N	103.32E	10–12	5.0b,4.0s		
MOS	I	14 18 23 39.6–.98	31.16N	103.38E	33	5.0b,4.0s		
TEH	I	14 18 23 42.2	31.57N	103.41E	33	5.2L,4.0s		
DJA	I	14 18 23 42	31.44N	103.17E	10	5.0b,4.0s		
SZGRF	I	14 18 23 55.3	33.26N	102.78E	33	4.9b,4.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=13.0km az=27.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=3.0km az=13.9.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.0km az=189.0. Felt [II] at Chengdu.
MOS Error ellipse: s-maj=7.1km s-min=4.3km az=117.1.
SZGRF Sichuan, China.

(228) Near east coast of eastern Honshu

ISC	**I**	**14 19 09 23.7–1.0**	**39.63N–.04**	**142.13E–.09**	**48–7**	**3.6b**	**32**	**0-67**
ISCJB	I	14 19 09 22.5–.77	39.64N–.03	142.1E–.10	53–5	3.6b		**¶12081287**
JMA	I	14 19 09 23.3	39.64N	142.11E	48–1	3.4		
IDC	I	14 19 09 26.1–2.5	39.60N	142.12E	79–22	3.4,3.3b		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=13.0km s-min=5.1km az=7.4.
JMA Event type fe.
IDC Error ellipse: s-maj=26.3km s-min=19.4km az=104.0.

(331) Kazakhstan-Xinjiang border region

ISC	**I**	**15 00 08 48.6–.32**	**45.85N–.03**	**80.87E–.03**	**27–2**	**4.5b,3.8s**	**320**	**1-82**
LDG	I	15 00 08 43.8–.13	45.74N	80.80E	10	4.6b,3.8s		**¶13404870**
BJI	I	15 00 08 45.9	45.78N	80.85E	11	4.9b,4.5s		
ISCJB	I	15 00 08 46.5–.76	45.92N–.03	80.72E–.03	15–4	4.4b,3.7s		
NNC	I	15 00 08 46.6–.90	45.82N	80.66E	16	4.6b,4.5		
IDC	I	15 00 08 47.8–.66	45.64N	81.08E	32–3	4.1,4.1L		
MOS	I	15 00 08 48.5–1.2	45.85N	80.79E	33	4.6b,4.1L		
NEIC	I	15 00 08 48.5–1.5	45.73N	80.95E	29–12	4.6b,4.1L		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=4.1km az=7.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.5km az=169.8.
NNC Error ellipse: s-maj=14.6km s-min=5.1km az=147.0.
IDC Error ellipse: s-maj=10.5km s-min=9.1km az=145.0.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=5.2km az=128.1. Felt (III) at Uchural. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.9km az=73.0.

(533) United Kingdom

ISC	**I**	**15 05 32 29.5–2.2**	**60.3N–.10**	**1.24W–.09**	**27–8**		**50**	**0-47**
BER	I	15 05 32 27.1–3.3	60.42N	1.53W	10	3.3L,2.9		**¶11672751**
CSEM	I	15 05 32 28.2–.42	60.33N	1.33W	30	3.3L,2.9		
NEIC	I	15 05 32 29.7	60.27N	1.28W	29	3.3L,2.9		
BGS	I	15 05 32 29.7–.79	60.27N	1.28W	29–4	3.3L,2.9		
IDC	I	15 05 32 33.9–2.0	61.00N	0.37W	0	3.4,3.3L		

ISC Event type fe.
BER Error ellipse: s-maj=11.0km s-min=13.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=15.3km s-min=4.5km az=149.0.
NEIC Event type fe. Felt in the Shetland Islands. After BGS.
BGS Error ellipse: s-maj=11.3km s-min=19.8km az=-1.0.
IDC Error ellipse: s-maj=43.4km s-min=17.6km az=12.0.

(189) Southeast of Loyalty Islands

ISC	**I**	**15 07 27 19.8–.34**	**22.26S–.03**	**170.64E–.03**	**22–2**	**6.4s,5.8b**	**2456**	**3-170**
NOU	I	15 07 27 14.8–1.1	20.92S	170.82E	10	4.4L,3.7		**¶13989118**
IDC	I	15 07 27 17.0–.36	22.24S	170.59E	0	6.2,6.2s		
ISCJB	I	15 07 27 17.7–1.0	22.31S–.03	170.60E–.02	19–7	6.4s,5.7b		

BJI I 15 07 27 17.9 21.58S 170.91E 11 6.7b,6.4s
LDG I 15 07 27 18.2–.09 21.59S 170.74E 10 6.3s,6.0b
NEIC I 15 07 27 20.3–.12 22.35S 170.64E 27 6.7W,6.5s
MOS I 15 07 27 20.7–1.4 22.19S 170.60E 33 6.4s,5.9b
SZGRF I 15 07 27 21.4 22.36S 171.04E 33 6.4b,5.9b
BGS I 15 07 27 22.3–4.8 22.35S 170.64E 27 5.8b,5.9b
DJA I 15 07 27 27 22.32S 170.41E 68 6.5W,5.9b
ISC Event type fe.
NOU Error ellipse: s-maj=73.7km s-min=28.2km az=-1.0.
IDC Error ellipse: s-maj=10.8km s-min=9.5km az=10.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.8km az=175.4.
LDG Event type ke. Error ellipse: s-maj=11.0km s-min=4.3km az=170.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=158.0. Felt at Noumea, New Caledonia. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s48 Moment tensor: Scale 10^{18} Nm; M_{rr}4.11 $M_{\theta\theta}$-2.23 $M_{\phi\phi}$-1.88 $M_{r\theta}$1.60 $M_{\theta\phi}$1.70 $M_{\phi r}$-1.36 Best double couple: NP1: ϕ_s313.00000°,δ31.00000°,λ91.00000°. NP2:ϕ_s131.00000°,δ59.00000°,λ89.00000°. Principal axes: T 4.6400,Plg75.0000°,Azm39.0000°; N -0.3500,Plg0.0000°,Azm131.0000° ; P -4.2900,Plg14.0000°,Azm221.0000° M_o4.50000×10^{18} Moment Tensor Solution. M_o7.30000×10^{18}
MOS Error ellipse: s-maj=7.6km s-min=7.1km az=143.1.
SZGRF Southeast of Loyalty Islands.
BGS Error ellipse: s-maj=233.2km s-min=999.9km az=-1.0.

(39) Central California

ISC I 15 14 43 52.8–1.1 36.67N–.05 121.45W–.05 16–6 29 0-7
ISCJB I 15 14 43 52.5–.76 36.66N–.05 121.46W–.06 17–5 **¶13989126**
NEIC I 15 14 43 53.4 36.69N 121.31W 6 3.7W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=4.9km az=139.2.
NEIC Event type fe. Felt [III] at Carmel and Salinas; [II] at Carmel Valley, Hollister, Marina, Monterey, Seaside and Watsonville. Also felt at Aromas, Carmel-by-the-Sea, Castroville, Greenfield, Morgan Hill, San Juan Bautista and Spreckels. After NCEDC. Moment Tensor Solution. M_o4.10000×10^{14}

(39) Central California

NEIC I 15 14 58 22.9 36.69N 121.32W 6 3.0L
¶13989125
NEIC Event type fe. Felt [III] at Carmel Valley and Seaside; [II] at Hollister, Monterey, Salinas and Santa Cruz. Also felt at Aptos, Carmel, Felton, Gilroy, Marina and San Juan Bautista. After NCEDC.

(193) Bougainville - Solomon Islands region

ISC I 15 16 14 58.7–.18 10.35S–.03 161.28E–.04 89 5.6b 1408 2-166
ISCJB I 15 16 14 58.4–.10 10.30S–.02 161.15E–.02 88 5.5b **¶13989123**
IDC I 15 16 14 58.8–.40 10.43S 161.31E 88–2 5.2,5.2
BJI I 15 16 14 59.9 10.24S 161.55E 118 5.4b,5.3b
MOS I 15 16 15 00.4–.97 10.26S 161.17E 108 5.7b,4.7s
NEIC I 15 16 15 01.9–.72 10.33S 161.21E 114–6 5.7W,5.6b
DJA I 15 16 15 06 10.34S 161.40E 161 5.6W,5.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.8km az=175.4.
IDC Error ellipse: s-maj=14.7km s-min=10.5km az=105.0.
MOS Error ellipse: s-maj=7.6km s-min=6.8km az=86.6.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=4.0km az=160.0. Felt [III] at Honiara. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.31 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$3.63 $M_{r\theta}$1.41 $M_{\theta\phi}$1.09 $M_{\phi r}$-1.05 Best double couple: NP1:ϕ_s341.00000°,δ62.00000°,λ-133.00000°. NP2:ϕ_s224.00000°,δ50.00000°,λ-38.00000°. Principal axes: T 3.9500,Plg7.0000° ,Azm99.0000°; N -0.3400,Plg36.0000°,Azm4.0000°; P -3.6200,Plg52.0000°,Azm199.0000° M_o3.80000×10^{17}

(222) East of Kuril Islands

ISC I 15 17 49 38.4–.24 46.83N–.03 155.25E–.02 31–1 7.5s,6.8b 3446 4-167
NIED I 15 17 49 00 47.00N 155.20E 35 7.2W,6.8b **¶13962368**
KRSC I 15 17 49 32.6–4.1 46.56N 155.88E 22–21 7.3L,6.8b
ISCJB I 15 17 49 36.9–.07 46.86N–.02 155.22E–.01 30 7.5s,6.7b
JMA I 15 17 49 37.1–1.0 47.00N 155.17E 30 7.4,6.7b
BGS I 15 17 49 37.9–1.8 46.48N 154.54E 33 7.5s,6.4b
SKHL I 15 17 49 37.3–.70 46.96N 155.34E 50–18 7.7b,7.6s
MOS I 15 17 49 38.1–.89 46.98N 155.26E 38 7.6s,7.0b
NEIC I 15 17 49 39.1–.09 46.86N 155.15E 36 7.5s,7.4W
TEH I 15 17 49 39.0 46.86N 155.16E 36 7.4L,7.4W
BJI I 15 17 49 40.6 47.08N 154.65E 36 7.3s,7.3b
IDC I 15 17 49 40.9–2.4 46.85N 155.16E 53–21 7.4,7.4s
SZGRF I 15 17 49 47.3 47.96N 154.39E 33 7.9s,7.0b
DJA I 15 17 49 54 46.62N 155.09E 148 7.4W,7.0b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ90.00000°,λ-3.00000°. NP2:ϕ_s222.00000°,δ87.00000°,λ-180.00000°. M_o6.94000×10^{19}
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.3km az=167.3.
JMA Event type fe. Error ellipse: s-maj=10.0km s-min=9.1km az=-1.0.
BGS Error ellipse: s-maj=223.3km s-min=533.0km az=-1.0.
SKHL Event type fe. Felt (IV-V) at Severo-Kurilsk, (III-IV) at Yushno-Kurilsk, (III) at Malokurilskoe.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=3.6km az=89.0. Fault plane solution: P-wave C59, D27 . Felt (IV-V) at Severo-Kuril'sk, (III-IV) at Yuzhno-Kuril'sk, (III) at Malokuril'skoye, Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s349.00000°,δ39.00000°,λ50.00000°. NP2: ϕ_s216.00000°,δ61.00000°,λ118.00000°. Principal axes: T Plg63.0000°,Azm173.0000° ; N Plg24.0000°,Azm22.0000°; P Plg12.0000°,Azm286.0000° M_o1.20000×10^{20}
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=159.0. Felt at Petropavlovsk-Kamchatskiy. Recorded [2 JMA] in eastern and southern Hokkaido. Also recorded [2 JMA] in Aomori, Iwate and Miyagi; [1 JMA] in Akita, Honshu. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s200.00000° ,δ55.00000°,λ90.00000°. NP2:ϕ_s20.00000°,δ35.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm110.0000°; N Plg0.0000°,Azm0.0000°; P Plg10.0000°,Azm290.0000° Moment Tensor Solution. s189 Moment tensor: Scale 10^{20}Nm; M_{rr}0.73 $M_{\theta\theta}$0.42 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.37 $M_{\phi r}$-0.03 Best double couple: NP1:ϕ_s182.00000°,δ47.00000°,λ75.00000°. NP2:ϕ_s24.00000°,δ45.00000°,λ106.00000°. Principal axes: T 0.7300,Plg78.0000° ,Azm15.0000°; N 0.5000,Plg11.0000°,Azm192.0000°; P -1.2300,Plg0.0000°,Azm282.0000° M_o1.10000×10^{20} Moment Tensor Solution. M_o1.80000×10^{20}
IDC Error ellipse: s-maj=13.2km s-min=8.9km az=133.0.
SZGRF Kuril Islands, Russia.

(115) Near coast of Peru

ISC I 15 18 38 00.4–.50 15.78S–.08 74.27W–.10 49 4.7b 67 5-160
ISCJB I 15 18 37 58.4–.45 15.77S–.06 74.27W–.08 49 4.6b **¶12081353**
NEIC I 15 18 37 58.1–1.6 15.78S 74.33W 29–12 4.9b,4.6L
IDC I 15 18 37 59.6–2.4 15.83S 74.36W 42–21 4.4,4.3b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=6.8km az=149.5.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=5.5km az=60.0. Felt [III] at Chala.
IDC Error ellipse: s-maj=23.8km s-min=15.0km az=44.0.

(460) Wyoming

ISC I 15 21 07 37.2–.54 43.67N–.02 105.27W–.02 0 4.0b 174 0-85
ISCJB I 15 21 07 37.4–.18 43.76N–.01 105.33W–.02 0 4.2b **¶12081373**
NEIC I 15 21 07 37.5–.72 43.63N 105.25W 0 3.2L
IDC I 15 21 07 38.2–.94 43.84N 105.69W 0 4.1b,3.8
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.7km az=157.4.
NEIC Event type fm. Error ellipse: s-maj=9.6km s-min=8.1km az=98.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.5km s-min=10.7km az=142.0.

(460) Wyoming

ISC I 16 04 15 35.0–.98 43.23N–.01 111.01W–.01 0–6 4.0b 397 0-90
IDC I 16 04 15 34.6–.66 43.30N 111.02W 0 4.0,3.8 **¶11596025**
NEIC I 16 04 15 35.6–.19 43.22N 110.87W 5 4.0W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=6.0km az=24.0.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=74.0. Felt [IV] at Alpine; [III] at Bedford, Etna, Freedom, Jackson and Wilson; [II] at Thayne. Also felt at Afton, Alta, Auburn, Moose and Teton Village. Felt [II] at Blackfoot, Idaho Falls, Irwin and Victor, Idaho. Also felt at Soda Springs and Swan Valley. Moment Tensor Solution. M_o1.30000×10^{15}

(277) Jawa

ISC I 16 05 04 43.4–.38 7.32S–.05 109.25E–.04 195–2 4.3b 188 0-151
ISCJB I 16 05 04 42.1–.25 7.35S–.04 109.25E–.03 195–2 4.2b **¶11596030**
NEIC I 16 05 04 43.0–.74 7.12S 109.24E 192–6 4.5b
BJI I 16 05 04 43.2 7.20S 109.20E 188 4.9b,4.6b
DJA I 16 05 04 44 7.58S 109.24E 176 4.9,4.6b
IDC I 16 05 04 44.4–.64 7.08S 109.40E 205–5 3.9,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.1km az=22.7.
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=5.2km az=57.0. Felt [II] at Pangandaran.
IDC Error ellipse: s-maj=16.4km s-min=6.4km az=48.0.

(254) Panay

MAN I 16 15 51 33 11.49N 122.27E 32 4.5b,3.4L
¶14716480
MAN Event type fe. INTENSITY I - LEZO AKLAN.

(235) Kyushu

JMA I 16 16 03 57.3 33.27N 129.08E 13–1 3.5
NIED I 16 16 03 00 33.30N 129.10E 8 3.3W **¶14142240**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ84.00000°,λ-168.00000°. NP2:ϕ_s111.00000°,δ78.00000°,λ-6.00000°. M_o1.03000×10^{14}

(228) Near east coast of eastern Honshu

ISC I 16 17 39 29.2–1.9 36.29N–.04 141.14E–.07 34–5 3.7b 40 1-83
NIED I 16 17 39 00 36.30N 141.10E 32 3.7W **¶12081459**
ISCJB I 16 17 39 28.7–.63 36.28N–.03 141.12E–.06 44–5 3.7b
JMA I 16 17 39 29.3–.10 36.29N 141.03E 48–1 3.5
IDC I 16 17 39 30.7–2.3 36.24N 141.07E 47–20 3.7L,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ59.00000°,λ-84.00000°. NP2:ϕ_s236.00000°,δ31.00000°,λ-100.00000°. M_o3.41000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.7km az=7.6.
JMA Event type fe.
IDC Error ellipse: s-maj=22.7km s-min=15.8km az=165.0.

(277) Jawa

ISC I 16 20 40 28.6–.93 7.9S–.10 108.0E–.10 108–7 4.0b 40 0-143
NEIC I 16 20 40 17.1–.70 7.66S 108.13E 10 4.3b **¶12081477**
DJA I 16 20 40 30 7.65S 106.94E 29 4.5
IDC I 16 20 40 36.7–1.3 7.43S 108.61E 176–8 3.6,3.4b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=39.1km s-min=7.6km az=49.0. Felt [III] at Cianjur.
IDC Error ellipse: s-maj=50.1km s-min=9.7km az=47.0.

(9) Fox Islands

ISC I 17 00 09 31.5–.73 52.8N–.10 169.63W–.05 70–4 4.3b 97 0-91
BJI I 17 00 09 29.7 52.70N 169.50W 61 4.7b,4.6s **¶11596147**
ISCJB I 17 00 09 32.1–.44 52.98N–.09 169.69W–.06 87–4 4.1b,4.6s
NEIC I 17 00 09 32.2 52.73N 169.50W 61 4.2b,4.2L
IDC I 17 00 09 33.4–2.0 52.96N 169.73W 86–16 4.1,3.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.7km s-min=4.1km az=162.4.
NEIC Event type fe. Felt at Nikolski. After AEIC.
IDC Error ellipse: s-maj=22.6km s-min=11.2km az=176.0.

(62) Mexico-Guatemala border region

ISC I 17 02 57 31.6–.24 15.77N–.03 92.58W–.03 175–1 5.1b 1892 1-150
CASC I 17 02 57 26.0–2.0 16.80N 92.11W 169–71 5.4b,4.9 **¶13962382**
MEX I 17 02 57 31.6–.82 15.72N 92.76W 171–7 5.2,4.9
NEIC I 17 02 57 31.9 15.74N 92.74W 169 5.7W,5.7W
BJI I 17 02 57 31.9 16.08N 92.24W 176 5.5b,5.7W
SZGRF I 17 02 57 32.4 14.94N 91.62W 185 4.7b,5.7W
IDC I 17 02 57 32.6–.35 15.98N 92.20W 177–2 4.7,4.7
MOS I 17 02 57 32.1–.92 15.89N 92.42W 187 5.3b,4.7
ISCJB I 17 02 57 32.3–.23 15.83N–.02 92.40W–.02 192–2 5.0b,4.7
ISC Event type fe.
NEIC Event type fe. Felt [IV] at San Cristobal de las Casas. Also felt at Coatzacoalcos, Jalapa, Mitla, Tuxtla Gutierrez and Yajalon. Felt at Antigua Guatemala, Guatemala. After MEX. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}1.73 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$0.22 $M_{r\theta}$1.81 $M_{\theta\phi}$0.66 $M_{\phi r}$-4.31 Best double couple: NP1:ϕ_s267.00000°,δ17.00000°,λ28.00000°. NP2:ϕ_s150.00000°,δ82.00000°,λ106.00000°. Principal axes: T 5.4800,Plg50.0000° ,Azm77.0000°; N -0.9500,Plg15.0000°,Azm328.0000°; P -4.5200,Plg35.0000° ,Azm227.0000° M_o5.10000×10^{17}
SZGRF Guatemala.
ISCJB Event type fe.

(543) Germany

ISC I 17 07 09 57.9–.79 47.17N–.01 9.513E–.01 9–5 478 0-7
CSEM I 17 07 09 57.8–.08 47.17N 9.54E 5 3.2L **¶11596159**
GEN I 17 07 09 57.3 47.51N 9.66E 28 2.9L
VIE I 17 07 09 57.4–.16 47.15N 9.52E 11–1 3.4L,2.4b
ZUR I 17 07 09 57.8 47.14N 9.53E 5–0 3.0L,2.4b
ISCJB I 17 07 09 57.1–.16 47.153N–.01 9.53E–.01 8–1 3.0L,2.4b
PRU I 17 07 09 58.5 47.38N 9.48E 3 3.0L,2.4b
LEDBW I 17 07 09 58.0–.24 47.10N–.01 9.55E–.01 5 3.1L,2.4b
LDG I 17 07 09 58.0–.10 47.29N 9.58E 5 3.0L,2.4b
BGR I 17 07 09 59.9–.48 47.23N 9.49E 10 3.0L,2.4b
ROM I 17 07 09 59.4–.43 47.02N 9.52E 4–3 2.7,2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=14.0.
VIE Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=120.0. 2 km NNW of Vaduz . felt 4 ems98 in Vorarlberg.
ZUR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.4km az=37.6.
LEDBW Error ellipse: s-maj=5.4km s-min=3.2km az=122.0.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=17.0.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=5.6km az=31.0.
ROM Event type ke. Error ellipse: s-maj=4.9km s-min=2.2km az=7.0.

(366) Turkey

ISC I 17 07 45 27.7–.36 37.14N–.02 36.36E–.02 14–2 4.5b,3.8s 658 1-95
BJI I 17 07 45 23.9 37.13N 36.15E 11 5.1b,4.8s **¶13405779**
ISK I 17 07 45 25.4 37.09N 36.36E 14 4.5L,4.8s
IDC I 17 07 45 25.3–.57 37.12N 36.36E 0 4.2,4.1
DDA I 17 07 45 26.0 37.17N 36.31E 8 4.6L,4.1
MOS I 17 07 45 25.8–.97 37.21N 36.36E 10 4.5b,4.1
ISCJB I 17 07 45 26.1–.39 37.13N–.01 36.32E–.01 15–2 4.5b,4.0s
NEIC I 17 07 45 26.8 37.10N 36.31E 6 4.6b,4.5L
NIC I 17 07 45 27.9–.30 37.60N 35.68E 86 4.7b,4.5L
CSEM I 17 07 45 27.2–.07 37.13N 36.36E 10 5.0s,4.7b
NSSC I 17 07 45 27.5–2.4 37.18N 36.35E 21–16 4.3L,4.7b
HLW I 17 07 45 30.6 37.26N 36.10E 33–26 4.2L,0.0
ISC Event type fe.
IDC Error ellipse: s-maj=11.1km s-min=10.2km az=52.0.
DDA Event type ke.
MOS Error ellipse: s-maj=6.8km s-min=4.5km az=98.2.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.9km az=166.9.
NEIC Event type fe. Felt at Adana, Gaziantep and Osmaniye. Felt at Aleppo, Syria. After ISK.
NIC Moment Tensor Solution. M_o1.30000×10^{15}
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=120.0.
NSSC Error ellipse: s-maj=12.6km s-min=15.8km az=-1.0.

(22) Queen Charlotte Islands region

ISC I 17 08 21 07.9–1.6 52.32N–.05 132.17W–.06 5–10 4.1b 69 0-88
PGC I 17 08 21 07.0–.60 52.26N 132.51W 20 4.0L **¶12081522**
NEIC I 17 08 21 07.0 52.26N 132.51W 20 4.0b,4.0L
IDC I 17 08 21 12.6–1.0 52.20N 131.49W 0 4.2,4.0
ISC Event type fe.
PGC Event type fe. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 119km southwest of Sandspit, Bc Queen Charlotte Islands Region Felt (I-II) at Queen Charlotte City and Skidegate, British Columbia.
NEIC Event type fe. Felt [II] at Queen Charlotte City and Skidegate. After PGC.
IDC Error ellipse: s-maj=22.8km s-min=11.8km az=25.0.

(249) Luzon

ISC I 17 11 25 32.9–.74 16.24N–.04 120.94E–.04 10 4.0b 23 0-48
MAN I 17 11 25 32 16.27N 120.95E 1 4.9b,3.9s **¶12081533**
IDC I 17 11 25 32.5–.95 16.31N 121.94E 0 4.8L,4.0
ISCJB I 17 11 25 33.5–.59 16.24N–.06 120.94E–.06 10 3.8b,4.0
NEIC I 17 11 25 37.2–.56 16.26N 121.96E 35 4.5b,4.0
ISC Event type fe.

IDC Error ellipse: s-maj=30.0km s-min=16.1km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=7.7km az=44.5.
NEIC Event type fe. Error ellipse: s-maj=17.6km s-min=8.9km az=73.0. Felt [II PIVS] at Baguio.

(613) Hawaiian Islands

NEIC	**I**	**17 12 55 09.0**	**19.29N**	**155.01W**	**38**	**4.0**		**¶11596172**

NEIC Event type fe. Felt [III] at Papa'ikou and [II] at Hilo, Kea'au, Pahoa, Pepeekeo and Waimea. Also felt at Hakalau, Honomu, Kailua Kona, Kurtistown, Laupahoehoe, Mountain View and Volcano. After HVO.

(460) Wyoming

ISC	**I**	**17 16 03 33.4–.61**	**43.96N–.02**	**105.26W–.02**	**0**		**91**	**0-19**
ISCJB	I	17 16 03 33.1–.25	43.95N–.02	105.28W–.03	0			**¶12081547**
NEIC	I	17 16 03 33.9–.32	43.98N	105.18W	0	3.0L		
IDC	I	17 16 03 33.4–1.3	44.00N	105.48W	0	3.5,3.3		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.9km s-min=2.3km az=152.5.
NEIC Event type fm. Error ellipse: s-maj=4.5km s-min=4.0km az=198.0. 45 km [25 miles] SE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=30.0km s-min=9.3km az=147.0.

(460) Wyoming

ISC	**I**	**17 21 20 08.4–.54**	**43.77N–.02**	**105.34W–.02**	**0**	**4.0b**	**108**	**0-90**
ISCJB	I	17 21 20 08.1–.25	43.75N–.02	105.28W–.03	0	4.1b		**¶12081574**
NEIC	I	17 21 20 08.9–.30	43.81N	105.23W	0	3.4L		
IDC	I	17 21 20 09.1–.79	43.98N	105.72W	0	4.0b,3.9		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.8km s-min=2.5km az=156.4.
NEIC Event type fm. Error ellipse: s-maj=5.0km s-min=4.2km az=159.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.9km s-min=8.3km az=144.0.

(718) Hindu Kush region

ISC	**I**	**17 23 18 44.5–.33**	**36.01N–.02**	**69.87E–.02**	**66–2**	**4.7b**	**327**	**2-89**
IDC	I	17 23 18 33.7–.67	35.61N	69.83E	0	4.7L,4.5		**¶13405806**
BJI	I	17 23 18 42.5	36.14N	69.50E	66	4.9b,4.8L		
MOS	I	17 23 18 43.1–1.3	35.95N	69.90E	70	4.9b,4.8L		
ISCJB	I	17 23 18 44.0–.37	35.95N–.02	69.90E–.02	83–4	4.5b,4.8L		
NEIC	I	17 23 18 45.5–.64	35.91N	69.97E	86–7	4.9b,4.8L		
NNC	I	17 23 18 46.4–3.6	36.18N	69.42E	46–51	5.0,4.8b		
TEH	I	17 23 18 47.0	36.19N	69.71E	68	4.7L,4.8b		
SZGRF	I	17 23 18 49.8	36.07N	69.87E	137	4.5b,4.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.3km s-min=11.9km az=0.0.
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=102.3.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=3.1km az=16.1.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.8km az=221.0. Felt at Kabul.
NNC Error ellipse: s-maj=29.6km s-min=23.5km az=165.0.
SZGRF Hindu Kush, Afghanistan, region.

(196) Irian Jaya region

ISC	**I**	**18 04 27 20.4–.40**	**0.29S–.04**	**132.42E–.07**	**35–1**	**4.9b,4.3s**	**189**	**3-154**
IDC	I	18 04 27 15.3–.54	0.21S	132.44E	0	4.7,4.6		**¶11596321**
MOS	I	18 04 27 18.6–.77	0.20S	132.35E	33	5.0b,4.6		
ISCJB	I	18 04 27 18.4–1.0	0.29S–.05	132.45E–.06	33–9	4.8b,4.1s		
BJI	I	18 04 27 19.6	0.30S	132.30E	33	5.1b,4.8s		
DJA	I	18 04 27 20	0.44S	132.31E	18	4.8b,4.8s		
NEIC	I	18 04 27 20.5–.29	0.27S	132.38E	35	4.8b,4.8s		

ISC Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=10.6km az=81.0.
MOS Error ellipse: s-maj=17.2km s-min=7.4km az=111.3.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=7.0km az=156.2.
NEIC Event type fe. Error ellipse: s-maj=11.7km s-min=6.1km az=74.0. Felt [II] at Sorong.

(256) Leyte

ISC	**I**	**18 07 12 28.4–.34**	**10.00N–.04**	**125.97E–.05**	**103–2**	**4.4b**	**215**	**1-150**
MOS	I	18 07 12 18.5–.90	10.04N	126.00E	33	4.7b		**¶11617108**
ISCJB	I	18 07 12 23.5–.62	10.08N–.03	126.14E–.05	75–5	4.5b		
MAN	I	18 07 12 23	10.16N	126.11E	53	5.2b,4.3s		
IDC	I	18 07 12 24.1–2.3	10.05N	125.93E	63–21	4.2,4.1		
NEIC	I	18 07 12 26.7–1.1	10.01N	125.98E	89–10	4.6b,4.1		
BJI	I	18 07 12 28.6	10.23N	125.97E	101	5.0b,4.5b		

ISC Event type fe.
MOS Error ellipse: s-maj=17.7km s-min=7.5km az=110.1.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.9km az=154.1.
IDC Error ellipse: s-maj=21.4km s-min=10.1km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=4.9km az=68.0. Felt at Dapa, Siargao Island.

(226) Near west coast of eastern Honshu

ISC	**I**	**18 09 05 52.1–.95**	**37.37N–.04**	**138.38E–.03**	**26–8**		**25**	**0-57**
IDC	I	18 09 05 49.4–1.7	37.42N	138.49E	0	3.8,3.4b		**¶12081629**
ISCJB	I	18 09 05 52.0–.46	37.36N–.03	138.38E–.04	31–4	3.5b,3.4b		
JMA	I	18 09 05 52.4	37.37N	138.39E	17–1	3.1,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=13.1km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.8km az=41.7.
JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**I**	**18 09 36 33.1–.88**	**36.40N–.05**	**140.85E–.07**	**54–8**	**3.6b**	**28**	**0-83**
NIED	I	18 09 36 00	36.50N	140.60E	77	3.8W		**¶12081632**
ISCJB	I	18 09 36 32.4–.67	36.45N–.05	140.82E–.07	61–4	3.6b		
IDC	I	18 09 36 33.8–2.2	36.51N	140.63E	50–20	3.9L,3.6		
JMA	I	18 09 36 35.1–.10	36.52N	140.57E	57–1	3.9,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ74.00000°,λ113.00000°. NP2:ϕ_s151.00000°,δ27.00000°,λ36.00000°. M_o5.05000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=7.2km az=40.7.
IDC Error ellipse: s-maj=21.2km s-min=14.1km az=96.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s21.00000°,δ60.00000°,λ99.00000°. NP2:ϕ_s183.00000°,δ31.00000°,λ74.00000°. Principal axes: T Plg73.0000°,Azm313.0000°; N Plg8.0000°,Azm196.0000°; P Plg15.0000° ,Azm104.0000°

(116) Central Peru

ISC	**I**	**18 11 37 00.9–.50**	**14.16S–.07**	**75.15W–.09**	**81–3**	**4.7b**	**535**	**3-168**
MOS	I	18 11 36 55.2–.79	13.94S	75.17W	33	4.9b		**¶11596331**
BJI	I	18 11 36 59.2	13.41S	75.05W	70	5.6s,5.3		
IDC	I	18 11 37 00.8–.69	14.17S	75.19W	78–4	4.3,4.2		
ISCJB	I	18 11 37 01.3–.95	13.90S–.06	74.98W–.07	89–7	4.6b,4.2		
NEIC	I	18 11 37 01.6–.78	13.97S	75.00W	76–7	4.7b,4.2		

ISC Event type fe.
MOS Error ellipse: s-maj=26.4km s-min=7.7km az=115.1.
IDC Error ellipse: s-maj=23.7km s-min=8.8km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=6.7km az=136.9.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=5.2km az=54.0. Felt [II] at Huaytara and Palpa. Also felt at Ayacucho.

(236) Shikoku

ISC	**I**	**18 17 09 37.4–.92**	**33.67N–.05**	**132.15E–.04**	**56–7**	**3.5b**	**27**	**0-68**
ISCJB	I	18 17 09 36.5–.53	33.67N–.04	132.15E–.05	64–5	3.5b		**¶12081660**
JMA	I	18 17 09 37.7	33.68N	132.17E	54	3.7		
IDC	I	18 17 09 38.9–3.0	33.75N	132.07E	72–30	3.3,3.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.3km az=43.3.
JMA Event type fe.
IDC Error ellipse: s-maj=37.4km s-min=19.0km az=43.0.

(212) Bonin Islands region

JMA	**I**	**18 18 16 52.3–.20**	**26.64N**	**141.80E**	**36**	**4.1**		**¶15532854**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.

(95) Windward Islands

TRN	**I**	**18 21 49 30.4**	**14.12N**	**60.94W**	**17**	**3.7,3.3**		**¶14229508**

TRN Event type fe. Felt II and III in Saint Lucia.

(159) North Island

ISC	**I**	**18 22 29 56.5–.79**	**40.37S–.03**	**176.24E–.03**	**41–5**	**3.6b**	**176**	**0-152**
IDC	I	18 22 29 50.2–1.9	40.58S	176.26E	0	4.0,3.9		**¶11752272**
ISCJB	I	18 22 29 55.5–.36	40.40S–.02	176.32E–.05	57–4	3.7b,3.9		
NEIC	I	18 22 29 57.2	40.37S	176.26E	41	4.2L,3.9		
WEL	I	18 22 29 57.1–.06	40.32S	176.16E	39–1	4.1L,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=99.8km s-min=40.3km az=17.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.4km az=26.5.
NEIC Event type fe. Felt [IV] at Dannevirke and Palmerston North. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.7km az=90.0. Felt from Hawkes Bay to Wellington, maximum reported intensity MM 4.

(115) Near coast of Peru

ISC	**I**	**19 00 02 46.6–.42**	**13.56S–.06**	**76.72W–.08**	**33**	**5.1s,4.7b**	**127**	**2-174**
IDC	I	19 00 02 41.4–.69	13.61S	76.84W	0	4.5,4.5		**¶11610983**
ISCJB	I	19 00 02 44.7–.41	13.62S–.05	76.76W–.06	33	4.9s,4.5b		
NEIC	I	19 00 02 48.4–.81	13.48S	76.71W	43–6	4.8b,4.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=22.4km s-min=11.9km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=6.1km az=135.2.
NEIC Event type fe. Error ellipse: s-maj=10.4km s-min=4.9km az=56.0. Felt [II] at Chincha Alta. Also felt at Lima.

(196) Irian Jaya region

ISC	**I**	**19 00 14 54.8–.40**	**0.56S–.04**	**131.99E–.05**	**18–1**	**4.9b,4.2s**	**215**	**2-129**
BJI	I	19 00 14 45.6	1.26S	132.52E	10	5.2b,4.8s		**¶11610985**
IDC	I	19 00 14 51.5–.59	0.55S	131.86E	0	4.7,4.6		
ISCJB	I	19 00 14 53.3–1.2	0.46S–.03	132.10E–.04	20–8	4.9b,4.2s		
MOS	I	19 00 14 55.2–1.2	0.49S	131.89E	33	5.2b,4.2s		
DJA	I	19 00 14 56	0.70S	131.76E	11	4.9,4.2s		
NEIC	I	19 00 14 56.9–2.6	0.47S	131.91E	33–18	5.0b,4.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=27.8km s-min=13.1km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.6km az=154.3.
MOS Error ellipse: s-maj=13.9km s-min=6.8km az=112.4.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=5.0km az=62.0. Felt [III] at Sorong.

(196) Irian Jaya region

ISC	**I**	**19 00 21 34.9–.32**	**0.47S–.04**	**131.93E–.05**	**31**	**4.9b,4.2s**	**182**	**2-136**
IDC	I	19 00 21 30.1–.57	0.55S	131.77E	0	4.6,4.5		**¶11610986**
ISCJB	I	19 00 21 32.9–.24	0.46S–.03	131.91E–.04	31	4.8b,4.2s		
MOS	I	19 00 21 33.3–1.1	0.51S	131.76E	33	5.1b,4.2s		
BJI	I	19 00 21 34.0	0.40S	131.80E	30	5.3b,4.9s		
NEIC	I	19 00 21 35.2–.18	0.50S	131.87E	35	4.9b,4.9s		
DJA	I	19 00 21 35	0.56S	131.73E	13	4.9b,4.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=27.7km s-min=10.9km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.6km az=164.6.
MOS Error ellipse: s-maj=13.8km s-min=6.8km az=114.6.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=3.5km az=61.0. Felt [IV] at Sorong.

(218) Near east coast of Kamchatka Peninsula

ISC	**I**	**19 03 38 33.6–.34**	**53.74N–.02**	**160.63E–.03**	**49–2**	**5.3s,5.0b**	**961**	**1-152**
MOS	I	19 03 38 30.5–1.1	53.80N	160.41E	32	5.2b,4.1s		**¶13405837**
BJI	I	19 03 38 31.3	54.10N	160.66E	58	5.3s,5.1b		
KRSC	I	19 03 38 35.3–.10	53.79N	160.63E	47–26	5.1L,5.1b		
IDC	I	19 03 38 35.2–.67	53.88N	160.42E	57–5	4.7,4.7		
ISCJB	I	19 03 38 35.2–.22	53.79N–.02	160.51E–.02	72–2	4.9b,4.7		
NEIC	I	19 03 38 36.1–.56	53.83N	160.40E	66–5	5.1b,4.7		
SZGRF	I	19 03 38 53.0	56.24N	158.44E	33	5.4b,4.7		

ISC Event type fe.
MOS Error ellipse: s-maj=7.7km s-min=5.0km az=90.7.
KRSC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=8.3km az=145.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=140.7.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=2.8km az=167.0. Felt at Petropavlovsk-Kamchatskiy.
SZGRF Kamchatka Peninsula, Russia.

(251) Samar

ISC	**I**	**19 04 34 39.9–.58**	**12.93N–.05**	**124.50E–.07**	**44**	**4.1b**	**44**	**1-92**
IDC	I	19 04 34 33.7–.71	12.94N	124.46E	0	4.1,4.0b		**¶12081710**
MAN	I	19 04 34 35	12.97N	124.41E	1	4.9b,3.8s		
ISCJB	I	19 04 34 38.1–.41	12.98N–.04	124.51E–.05	44	4.0b,3.8s		
NEIC	I	19 04 34 41.2–1.8	12.94N	124.45E	56–16	4.1b,3.8s		

ISC Event type fe.
IDC Error ellipse: s-maj=27.3km s-min=14.7km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.7km az=171.7.
NEIC Event type fe. Error ellipse: s-maj=16.5km s-min=7.5km az=67.0. Felt [II PIVS] at Legaspi, Luzon.

(45) California-Baja California border region

ISC	**I**	**19 05 48 37.3–1.3**	**32.39N–.04**	**117.66W–.04**	**4–12**		**35**	**1-3**
ISCJB	I	19 05 48 37.9–1.1	32.43N–.03	117.71W–.04	5–7			**¶13989171**
ECX	I	19 05 48 40.2–.64	32.42N	117.75W	20	3.2L,3.1		
NEIC	I	19 05 48 40.2	32.44N	117.70W	33	3.2L,3.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.6km az=41.2.
ECX Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0.
NEIC Event type fe. Felt [II] at El Cajon, La Jolla, La Mesa, San Diego and Spring Valley, California. Also felt at Chula Vista, Coronado, Encinitas, Lakeside and Santee. After PAS.

(229) Off east coast of Honshu

ISC	**I**	**19 11 13 57.1–.38**	**34.71N–.03**	**141.74E–.03**	**19–1**	**5.0b,4.4s**	**835**	**1-159**
NIED	I	19 11 13 00	34.70N	141.80E	20	4.9W,4.4s		**¶13405842**
BJI	I	19 11 13 53.0	34.63N	142.01E	23	5.0b,4.7s		
IDC	I	19 11 13 53.9–.37	34.64N	141.66E	0	5.0,4.9		
JMA	I	19 11 13 56.7–.20	34.68N	141.80E	43–3	4.9,4.9		
MOS	I	19 11 13 57.4–.99	34.67N	141.66E	33	5.2b,4.4s		
ISCJB	I	19 11 13 57.0–.82	34.64N–.03	141.63E–.02	28–5	5.0b,4.4s		
SZGRF	I	19 11 13 58.3	34.08N	139.48E	33	5.2b,4.4s		
NEIC	I	19 11 13 59.7–.62	34.61N	141.63E	40–5	5.0b,4.8W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ57.00000°,λ-69.00000°. NP2:ϕ_s329.00000°,δ38.00000°,λ-118.00000°. M_o2.19000×10^{16}
IDC Error ellipse: s-maj=12.0km s-min=10.0km az=92.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=8.3km s-min=4.6km az=117.4.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=1.8.
SZGRF Near south coast of eastern Honshu, Japan.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.4km az=151.0. Recorded [1 JMA] in Chiba. Moment Tensor Solution. M_o2.20000×10^{16}

(238) Ryukyu Islands

ISC	**I**	**19 12 10 59.7–1.0**	**28.51N–.05**	**129.55E–.06**	**20–4**	**3.3b**	**23**	**0-76**
IDC	I	19 12 10 56.7–.97	28.46N	129.75E	0	3.8L,3.5		**¶12081755**
ISCJB	I	19 12 10 59.3–.53	28.49N–.05	129.57E–.07	26–5	3.2b,3.5		
JMA	I	19 12 10 59.3	28.52N	129.51E	21–1	3.7,3.5		

ISC Event type fe.
IDC Error ellipse: s-maj=30.0km s-min=18.4km az=101.0.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.3km az=34.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

(58) Near coast of Guerrero

ISC	**I**	**19 16 11 24.9–1.1**	**17.22N–.04**	**101.36W–.03**	**15–6**	**4.4b,3.6s**	**578**	**0-146**
IDC	I	19 16 11 22.3–.95	17.20N	101.02W	0	4.5,4.4b		**¶11671793**
NEIC	I	19 16 11 26.3	17.24N	101.41W	5	4.6,4.3b		
MEX	I	19 16 11 26.3–.55	17.24N	101.41W	5	4.6,4.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=19.2km az=69.0.
NEIC Event type fe. Felt at Ixtapa. After MEX.
MEX Error ellipse: s-maj=3.1km s-min=3.0km az=-1.0.

(246) Southwestern Ryukyu Islands

ISC	**I**	**19 17 07 44.8–2.0**	**24.12N–.06**	**125.24E–.04**	**13–12**	**4.3b**	**104**	**1-85**
NIED	I	19 17 07 00	24.10N	125.10E	32	4.4W		**¶12081780**
BJI	I	19 17 07 42.6	23.87N	125.54E	35	4.8b,4.4s		
IDC	I	19 17 07 43.4–.63	24.26N	125.07E	0	4.2,4.2		
JMA	I	19 17 07 48.3–.20	24.13N	125.13E	40	4.6,4.2		
NEIC	I	19 17 07 49.5–1.3	24.23N	125.19E	46–12	4.7b,4.4W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ83.00000°,λ-173.00000°. NP2:ϕ_s287.00000°,δ83.00000°,λ-7.00000°. M_o4.43000×10^{15}
IDC Error ellipse: s-maj=18.1km s-min=14.4km az=79.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=8.1km az=155.0. Recorded [1 JMA] on Miyako-jima. Moment Tensor Solution. $M_0$4.40000×10^{15}

(259) Mindanao

ISC	**I**	**19 17 29 03.5–.27**	**7.67N–.02**	**126.95E–.03**	**75–2**	**5.0b**	**433**	**1-169**
MOS	I	19 17 28 56.8–1.2	7.62N	126.73E	33	5.2b,4.3s		**¶13405850**
MAN	I	19 17 28 58	7.71N	127.19E	93	5.7b,5.1s		
NEIC	I	19 17 28 58.7–.18	7.65N	126.79E	35	5.2b,5.1s		
BJI	I	19 17 28 59.9	7.37N	127.08E	80	5.1b,4.9s		
IDC	I	19 17 28 59.2–.41	7.67N	126.77E	37–3	4.7L,4.6		
ISCJB	I	19 17 29 01.1–.43	7.70N–.02	127.02E–.03	70–3	4.9b,4.6		
DJA	I	19 17 29 03	7.65N	127.17E	50	5.0W,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=5.6km az=112.7.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.0km az=67.0. Felt [II PIVS] at Davao.
IDC Error ellipse: s-maj=14.3km s-min=7.5km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.1km az=158.7.

(122) Near coast of northern Chile

ISC	**I**	**19 20 15 15.9–.92**	**20.99S–.05**	**70.53W–.08**	**49–8**	**3.7b**	**49**	**1-153**
IDC	I	19 20 15 14.9–1.1	21.25S	70.39W	44–6	4.1L,3.9		**¶12081796**
ISCJB	I	19 20 15 16.7–.84	20.98S–.04	70.5W–.10	69–9	3.6b,3.9		
GUC	I	19 20 15 16.3–1.0	21.01S	70.47W	66–21	4.0L,3.9		
NEIC	I	19 20 15 16.3	21.01S	70.47W	66	4.1b,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=36.3km s-min=23.9km az=3.0.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=6.2km az=9.7.
GUC Error ellipse: s-maj=4.4km s-min=9.8km az=-1.0.
NEIC Event type fe. Felt [III] at Alto Hospicio and Iquique. After GUC.

(460) Wyoming

ISC	**I**	**19 21 42 07.3–.62**	**45.02N–.02**	**106.84W–.02**	**0**		**127**	**0-18**
ISCJB	I	19 21 42 07.6–.21	45.09N–.01	106.93W–.02	0			**¶12081805**
NEIC	I	19 21 42 07.4–.61	44.97N	106.78W	0	2.6L		
IDC	I	19 21 42 07.4–1.3	44.94N	106.79W	0	3.3L,3.3		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.7km az=167.8.
NEIC Event type fm. Error ellipse: s-maj=7.7km s-min=5.7km az=89.0. 25 km [15 miles] NNE of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=40.5km s-min=9.3km az=134.0.

(460) Wyoming

ISC	**I**	**19 22 17 41.4–.62**	**43.73N–.02**	**105.28W–.02**	**0**		**203**	**0-20**
IDC	I	19 22 17 39.8–1.8	43.44N	105.25W	0	3.7,3.4L		**¶12081806**
ISCJB	I	19 22 17 41.8–.18	43.77N–.01	105.34W–.02	0	3.7,3.4L		
NEIC	I	19 22 17 42.0–.44	43.80N	105.21W	0	3.1L,3.4L		

ISC Event type fm.
IDC Error ellipse: s-maj=41.1km s-min=9.0km az=151.0.
ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.6km az=163.2.
NEIC Event type fm. Error ellipse: s-maj=5.8km s-min=4.6km az=76.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(370) Crete

ISC	**I**	**19 23 02 05.6–.41**	**34.65N–.03**	**24.88E–.02**	**15–2**	**4.7b,4.6s**	**1016**	**0-118**
SZGRF	I	19 23 01 51.4	34.09N	26.69E	33	4.4b,4.6s		**¶15699501**
HLW	I	19 23 02 01.0	35.26N	24.76E	33–20	4.5L,0.0		
ISCJB	I	19 23 02 01.4–.69	34.48N–.02	24.87E–.02	5–4	4.6b,4.6s		
IDC	I	19 23 02 03.6–.54	34.81N	24.67E	0	4.4b,4.4		
CSEM	I	19 23 02 04.1–.13	34.60N	24.86E	2	5.0b,4.2W		
THE	I	19 23 02 04.6	34.73N	24.81E	1–1	4.2L,4.2W		
BJI	I	19 23 02 05.2	34.92N	24.69E	19	5.3b,5.0s		
ATH	I	19 23 02 06.4	34.85N	24.86E	13–1	4.2L,5.0s		
NEIC	I	19 23 02 06.4	34.85N	24.86E	13	4.5b,4.2L		
MOS	I	19 23 02 06.9–1.4	34.67N	24.86E	36	4.8b,4.2L		
NIC	I	19 23 02 07.1–.20	34.17N	25.08E	25	4.8b,4.3L		
NSSC	I	19 23 02 22.8–12	35.05N	26.85E	5–999	3.6L,4.3L		

ISC Event type fe.
SZGRF Crete, Greece.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=15.1.
IDC Error ellipse: s-maj=14.9km s-min=11.6km az=145.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=10.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=182.0.
ATH Error ellipse: s-maj=1.7km s-min=0.7km az=-1.0.
NEIC Event type fe. Felt at Irakleion and Palaiokhora. After ATH.
MOS Error ellipse: s-maj=5.2km s-min=2.5km az=94.7.
NIC Moment Tensor Solution. $M_0$5.10000×10^{14}
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(47) Off west coast of Baja California

ISC	**I**	**19 23 50 47.3–.39**	**22.80N–.05**	**111.13W–.05**	**10**	**5.1b,4.6s**	**1127**	**1-130**
IDC	I	19 23 50 46.1–.58	22.90N	111.15W	0	4.8,4.7b		**¶13405858**
MOS	I	19 23 50 46.1–1.1	22.80N	111.09W	10	5.2b,4.7b		
ISCJB	I	19 23 50 46.6–.25	22.82N–.02	111.06W–.02	10	5.0b,4.6s		
BJI	I	19 23 50 46.0	22.80N	111.10W	10	5.6b,5.4s		
NEIC	I	19 23 50 48.0–.29	22.77N	111.09W	10	5.1b,5.1		
MEX	I	19 23 50 51.0–.28	23.04N	111.09W	15	5.1,5.1		

ISC Event type fe.
IDC Error ellipse: s-maj=19.0km s-min=13.4km az=62.0.
MOS Error ellipse: s-maj=8.5km s-min=4.2km az=89.5.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=35.2.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.1km az=222.0. Felt [II] at Cabo San Lucas. Also felt at La Paz and Los Cabos.
MEX Error ellipse: s-maj=4.2km s-min=3.6km az=-1.0.

(144) Southern Chile

ISC	**I**	**20 03 45 34.6–.85**	**42.10S–.03**	**72.40W–.04**	**12–5**	**4.4b,4.0s**	**75**	**0-161**
IDC	I	20 03 45 32.5–.68	42.26S	72.36W	0	5.1L,4.4		**¶12081826**
ISCJB	I	20 03 45 34.3–.52	42.12S–.03	72.38W–.10	18–4	4.3b,3.9s		
GUC	I	20 03 45 35.4–.49	42.10S	72.47W	8–1	4.2L,3.9s		
NEIC	I	20 03 45 35.8–1.9	42.09S	72.45W	19–10	4.8b,4.5		

ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=14.4km az=132.0.
ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=5.3km az=177.7.
GUC Error ellipse: s-maj=0.9km s-min=2.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=10.7km az=212.0. Felt [III] at Hualaihue and Quemchi. Felt [IV] at El Bolson and Lago Puelo, Argentina.

(265) Minahassa Peninsula, Sulawesi

ISC	**I**	**20 04 06 57.5–.54**	**0.48N–.04**	**120.86E–.04**	**89–4**	**4.8b**	**212**	**1-128**
BJI	I	20 04 06 51.4	0.02N	121.04E	78	5.2b,4.9b		**¶11613322**
DJA	I	20 04 06 56	0.67N	120.75E	63	5.1,4.9b		
ISCJB	I	20 04 06 56.5–.46	0.45N–.03	120.92E–.04	95–5	4.8b,4.9b		
NEIC	I	20 04 06 57.2–1.2	0.47N	120.99E	88–11	5.1b,4.9b		
IDC	I	20 04 06 58.4–2.1	0.45N	120.88E	97–19	4.3,4.2		
MOS	I	20 04 06 59.2–.85	0.52N	121.06E	124	4.7b,4.2		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.9km az=178.2.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=4.0km az=60.0. Felt [III] at Tolitoli.
IDC Error ellipse: s-maj=22.0km s-min=9.3km az=72.0.
MOS Error ellipse: s-maj=17.3km s-min=6.9km az=112.6.

(39) Central California

ISC	**I**	**20 06 05 58.6–1.1**	**36.63N–.04**	**121.41W–.05**	**12**		**39**	**0-12**
ISCJB	I	20 06 05 59.0–.53	36.62N–.04	121.47W–.05	12			**¶11613328**
NEIC	I	20 06 06 00.5	36.70N	121.33W	6	3.9W		

ISC Event type fe.
ISCJB Error ellipse: s-maj=7.3km s-min=3.5km az=135.3.
NEIC Event type fe. Felt [III] at Hollister and [II] at Ben Lomond, Carmel, Marina, Monterey, Pacific Grove, Salinas, Santa Cruz, Scotts Valley and Seaside. Also felt at Boulder Creek, Carmel-by-the-Sea, Carmel Valley, Felton, Gilroy, Gonzales, Los Gatos, Milpitas, Morgan Hill, Mount Hermon, San Jose, San Juan Bautista, Santa Clara, Soquel and Watsonville. After NCEDC. Moment Tensor Solution. $M_0$7.90000×10^{14}

(39) Central California

ISC	**I**	**20 08 57 22.6–1.7**	**36.64N–.06**	**121.43W–.07**	**5–12**		**24**	**0-6**
ISCJB	I	20 08 57 22.6–.89	36.63N–.05	121.42W–.08	12–8			**¶11613335**
NEIC	I	20 08 57 23.5	36.70N	121.33W	5	3.5W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=5.4km az=149.0.
NEIC Event type fe. Felt [II] at Soledad. Also felt at Hollister, Marina and Salinas. After NCEDC. Moment Tensor Solution. $M_0$2.10000×10^{14}

(39) Central California

ISC	**I**	**20 09 12 26.0–1.3**	**36.66N–.04**	**121.33W–.03**	**3–10**		**47**	**0-26**
NEIC	I	20 09 12 26.9	36.69N	121.32W	6	3.8W		**¶11613338**
IDC	I	20 09 12 30.1–2.4	36.62N	121.12W	0	3.5,3.4s		

ISC Event type ke.
NEIC Event type fe. Felt [II] at Gilroy, Hollister, Salinas and Soledad. Also felt at Aptos, Carmel Valley, Castroville, Los Altos, Los Gatos, Monterey and Santa Cruz. After NCEDC. Moment Tensor Solution. $M_0$5.40000×10^{14}
IDC Error ellipse: s-maj=29.5km s-min=21.4km az=131.0.

(158) Off west coast of North Island

WEL	**I**	**20 09 22 37.3–.35**	**39.31S**	**173.50E**	**5**	**3.8L**		
NEIC	I	20 09 22 38.3	39.34S	173.57E	7	3.7L		**¶11752301**

WEL Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=90.0. Felt in the Taranaki region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Taranaki. After WEL.

(718) Hindu Kush region

ISC	**I**	**20 09 26 13.4–.37**	**36.06N–.04**	**69.80E–.04**	**94–2**	**4.5b**	**255**	**2-89**
ISCJB	I	20 09 26 09.3–.39	35.94N–.02	69.78E–.03	72–4	4.4b		**¶13433879**
BJI	I	20 09 26 11.9	36.13N	69.67E	89	5.0b,4.6s		
MOS	I	20 09 26 11.6–1.1	36.00N	69.88E	92	4.7b,4.6s		
NNC	I	20 09 26 12.4–1.0	36.61N	69.67E	0	4.8b,4.7		
NEIC	I	20 09 26 12.2–.68	35.87N	69.93E	92–7	5.2b,4.7		
IDC	I	20 09 26 13.5–.75	35.89N	69.78E	103–7	4.1,4.0		
TEH	I	20 09 26 14.0	36.10N	64.74E	86	4.5L,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.3km az=147.3.
MOS Error ellipse: s-maj=9.1km s-min=5.0km az=93.9.
NNC Error ellipse: s-maj=9.9km s-min=6.9km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.0km az=49.0. Felt at Kabul.
IDC Error ellipse: s-maj=17.4km s-min=11.4km az=27.0.

(196) Irian Jaya region

ISC	**I**	**20 09 53 33.4–.40**	**0.76S–.04**	**133.29E–.04**	**35–1**	**4.9b,4.1s**	**205**	**2-153**
IDC	I	20 09 53 27.6–.60	0.73S	133.32E	0	4.6,4.5b		**¶11613343**
BJI	I	20 09 53 28.1	1.26S	133.32E	35	5.2b,4.9s		
MOS	I	20 09 53 31.2–1.1	0.69S	133.20E	33	5.1b,4.9s		
ISCJB	I	20 09 53 32.6–.72	0.73S–.03	133.27E–.03	45–7	4.7b,4.1s		
DJA	I	20 09 53 32	0.71S	133.36E	20	5.1b,4.1s		
NEIC	I	20 09 53 33.2–.34	0.68S	133.31E	35	4.8b,4.1s		

ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=11.1km az=82.0.
MOS Error ellipse: s-maj=17.5km s-min=6.9km az=116.3.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.8km az=28.7.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=5.9km az=70.0. Felt [III] at Manokwari.

(573) Tanzania

ISC	**I**	**20 11 50 17.6–.39**	**5.44S–.05**	**35.76E–.05**	**9**	**4.8b,4.0s**	**75**	**5-140**
ISCJB	I	20 11 50 16.0–.29	5.39S–.04	35.69E–.04	9	4.6b,4.1s		**¶12081862**
IDC	I	20 11 50 15.7–.66	5.50S	35.83E	0	4.5,4.4		
BJI	I	20 11 50 15.4	5.40S	35.60E	10	5.1b,4.7b		
DJA	I	20 11 50 16	5.27S	35.28E	10	4.9b,4.7b		
NEIC	I	20 11 50 17.7–.36	5.41S	35.74E	10	4.9b,4.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.8km az=156.3.
IDC Error ellipse: s-maj=18.5km s-min=16.5km az=136.0.
NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=8.7km az=107.0. Felt at Arusha and Dodoma.

(186) Vanuatu Islands

ISC	**I**	**20 14 20 59.1–.93**	**18.10S–.07**	**168.1E–.10**	**83–10**	**4.3b**	**34**	**4-77**
NOU	I	20 14 20 55.8–.58	17.88S	168.28E	30	3.6L,3.0		**¶12081873**
ISCJB	I	20 14 20 57.5–1.2	18.11S–.07	168.07E–.10	88–14	4.4b,3.0		
IDC	I	20 14 20 58.1–5.2	18.12S	168.34E	96–29	4.2,4.2		
NEIC	I	20 14 20 58.6–1.2	18.09S	168.01E	78–16	4.0b,4.2		

ISC Event type fe.
NOU Error ellipse: s-maj=9.0km s-min=22.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=16.1km s-min=10.3km az=26.2.
IDC Error ellipse: s-maj=66.1km s-min=23.0km az=89.0.
NEIC Event type fe. Error ellipse: s-maj=17.7km s-min=13.7km az=219.0. Felt at Port-Vila.

(13) Kodiak Island region

ISC	**I**	**20 17 08 47.8–.57**	**56.74N–.07**	**154.92W–.05**	**41–3**	**4.0b**	**120**	**1-84**
ISCJB	I	20 17 08 48.1–.58	56.81N–.05	154.78W–.07	61–5	4.0b		**¶12081879**
IDC	I	20 17 08 48.5–.81	56.94N	155.07W	39–4	4.1L,3.9		
NEIC	I	20 17 08 48.2	56.73N	154.73W	15	4.2b,3.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.9km az=147.9.
IDC Error ellipse: s-maj=21.6km s-min=11.6km az=7.0.
NEIC Event type fe. Felt at Akhiok. After AEIC.

(1) Central Alaska

ISC	**I**	**21 00 46 21.8–.90**	**63.05N–.03**	**148.44W–.03**	**82–7**		**100**	**0-63**
IDC	I	21 00 46 19.6–6.1	62.95N	148.45W	75–50	3.2L,3.2		**¶12081918**
ISCJB	I	21 00 46 20.8–.26	63.05N–.02	148.43W–.05	91–4	3.3b,3.2		
NEIC	I	21 00 46 21.8	63.04N	148.48W	80	3.6,3.2		

ISC Event type ke.
IDC Error ellipse: s-maj=50.2km s-min=25.9km az=29.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=3.1km az=36.9.
NEIC Event type fe. Felt at Denali National Park. After AEIC.

(249) Luzon

ISC	**I**	**21 04 57 09.7–.41**	**17.74N–.03**	**120.34E–.04**	**54–3**	**4.8b,3.2s**	**288**	**0-165**
IDC	I	21 04 57 00.7–.89	17.50N	120.40E	0	4.5,4.5		**¶13433897**
MOS	I	21 04 57 04.9–.93	17.57N	120.43E	33	5.0b,4.5		
MAN	I	21 04 57 07	17.81N	120.13E	31	5.4b,4.6s		
ISCJB	I	21 04 57 09.2–.32	17.78N–.02	120.44E–.04	63–3	4.7b,4.6s		
NEIC	I	21 04 57 10.6–.58	17.67N	120.45E	67–4	4.8b,4.6s		
BJI	I	21 04 57 12.6	18.11N	120.17E	50	4.7b,4.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=23.3km s-min=16.1km az=168.0.
MOS Error ellipse: s-maj=11.2km s-min=5.8km az=120.0.
MAN Event type fe. INTENSITY IV - SINAIT & VIGAN ILOCO SUR; INTENSITY III - CANDON ILOCOS SUR; BANGUED ABRA; INTENSITY II - PASUQUIN & LAOAG ILOCOS NORTE; BAGUIO CITY.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.1km az=5.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.8km az=157.0. Felt at Vigan.

(229) Off east coast of Honshu

ISC	**I**	**21 07 09 29.2–.55**	**37.84N–.05**	**142.09E–.07**	**39–3**	**4.2b**	**126**	**1-150**
NIED	I	21 07 09 00	37.80N	142.00E	35	4.0W		**¶12081956**
MOS	I	21 07 09 26.4–.99	37.79N	142.12E	33	4.5b		
ISCJB	I	21 07 09 27.9–.88	37.82N–.04	142.10E–.07	45–6	4.2b,3.0s		
JMA	I	21 07 09 28.3–.10	37.80N	142.03E	36–2	4.1,3.0s		
NEIC	I	21 07 09 30.1–.86	37.77N	142.05E	48–7	4.5b,4.0W		
IDC	I	21 07 09 30.2–2.2	37.75N	142.00E	50–20	4.0,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s40.00000°,δ72.00000°,λ93.00000°. NP2:ϕ_s209.00000°,δ18.00000°,λ80.00000°. $M_0$1.33000×10^{15}
MOS Error ellipse: s-maj=10.7km s-min=8.1km az=111.3.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.4km az=33.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=6.7km az=138.0. Recorded [2 JMA] in Miyagi and [1 JMA] in Fukushima and Iwate. Moment Tensor Solution. $M_0$1.30000×10^{15}
IDC Error ellipse: s-maj=16.8km s-min=15.3km az=123.0.

(137) San Juan Province

ISC	**I**	**21 10 40 26.8–.56**	**31.59S–.03**	**69.53W–.04**	**116–5**	**3.7b**	**109**	**1-151**
ISCJB	I	21 10 40 25.9–.39	31.60S–.03	69.52W–.05	119–4	3.8b		**¶12081961**
GUC	I	21 10 40 25.9–.55	31.63S	69.83W	150–4	4.2L		
NEIC	I	21 10 40 26.5–.28	31.64S	69.48W	113	4.3b,4.3		
IDC	I	21 10 40 27.0–.75	31.73S	69.42W	116–6	3.9,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.4km az=2.1.
GUC Error ellipse: s-maj=1.3km s-min=5.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.5km az=104.0. Felt [III] at San Juan.
IDC Error ellipse: s-maj=15.7km s-min=14.6km az=6.0.

(671) Eastern Siberia

ISC	**I**	**21 17 37 42.3–1.3**	**61.53N–.04**	**156.53E–.03**	**8–8**	**4.4b**	**339**	**1-151**
IDC	I	21 17 37 40.9–.45	61.45N	156.51E	0	4.3,4.3		**¶11677650**

NERS	I	21 17 37 40.4	61.39N	156.32E	2	4.3,4.3			
MOS	I	21 17 37 41.0–1.1	61.45N	156.46E	12	4.5b,4.3			
NEIC	I	21 17 37 42.0–3.2	61.46N	156.48E	8–20	4.7b,4.3			
BJI	I	21 17 37 45.3	61.46N	155.96E	24	5.0b,4.8s			

ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=9.8km az=152.0.
NERS Event type se. Felt I=IV MSK at Omsukchan(128km).
MOS Event type fe. Error ellipse: s-maj=11.4km s-min=7.4km az=80.3. Felt (IV) at Omsukchan. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.1km az=160.0.

(116) Central Peru

ISC	**I**	**21 18 17 03.3–.38**	**11.78S–.06**	**75.63W–.06**	**10**	**4.6b**	**121**	**1-172**
ISCJB	I	21 18 17 01.9–.29	11.81S–.05	75.61W–.05	10	4.5b,4.5s		**¶11616357**
IDC	I	21 18 17 02.0–.50	11.76S	75.58W	0	4.5,4.4		
NEIC	I	21 18 17 03.4–.31	11.78S	75.63W	10	4.6b,4.1L		
BJI	I	21 18 17 05.9	11.80S	75.60W	10	5.4s,5.1		

ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=7.4km s-min=5.7km az=40.2.
IDC Error ellipse: s-maj=14.1km s-min=11.4km az=0.0.
NEIC Event type de. Error ellipse: s-maj=9.6km s-min=6.5km az=55.0. At least 50 houses destroyed and 500 damaged in the Paccha area. Felt [V] at Paccha, [IV] at Jauja, [III] at Parco and [II] at Concepcion. Also felt at Acolla, Huancayo, Sicaya and Tarma.

(460) Wyoming

ISC	**I**	**21 18 33 04.6–.65**	**43.51N–.02**	**105.36W–.02**	**0**		**157**	**0-20**
ISCJB	I	21 18 33 04.7–.18	43.52N–.01	105.36W–.02	0			**¶12081997**
IDC	I	21 18 33 04.4–2.2	43.48N	105.42W	0	3.6,3.3		
NEIC	I	21 18 33 05.1–.34	43.57N	105.26W	0	3.2L,3.3		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.6km az=173.4.
IDC Error ellipse: s-maj=45.2km s-min=9.6km az=152.0.
NEIC Event type fm. Error ellipse: s-maj=5.0km s-min=4.4km az=173.0. 85 km [50 miles] SSE of Gillette. Suspected Mining explosion.

(224) Hokkaido region

JMA	**I**	**21 20 01 19.9–.10**	**43.06N**	**145.50E**	**52–1**	**3.5**		**¶15533863**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(39) Central California

ISC	**I**	**21 20 49 41.0–1.2**	**36.67N–.04**	**121.42W–.04**	**12–8**		**39**	**0-5**
NEIC	I	21 20 49 42.5	36.70N	121.33W	7	3.5W		**¶11615855**

ISC Event type fe.
NEIC Event type fe. Felt [III] at Carmel Valley and [II] at Monterey and Salinas. Also felt at Hollister, Paicines and San Juan Bautista. After NCEDC. Moment Tensor Solution. $M_0$2.20000×10^{14}

(460) Wyoming

ISC	**I**	**21 21 17 53.4–.57**	**43.71N–.02**	**105.35W–.02**	**0**	**3.9b**	**224**	**0-90**
NEIC	I	21 21 17 53.5–.42	43.62N	105.22W	0	3.3L		**¶12082007**
IDC	I	21 21 17 53.2–1.8	43.60N	105.37W	0	4.0b,3.9		
ISCJB	I	21 21 17 54.1–.18	43.77N–.01	105.39W–.02	0	4.0b,3.9		

ISC Event type fm.
NEIC Event type fm. 80 km [50 miles] SSE of Gillette. Suspected Mining explosion.
ISCJB Event type fm.

(267) Halmahera

ISC	**I**	**22 03 01 53.3–.27**	**0.56S–.03**	**127.37E–.04**	**128–2**	**5.4b**	**810**	**0-166**
BJI	I	22 03 01 45.3	1.14S	127.95E	120	5.3b,5.1b		**¶11616361**
ISCJB	I	22 03 01 53.0–.25	0.48S–.02	127.47E–.02	135–2	5.3b,5.1b		
MOS	I	22 03 01 53.8–1.1	0.47S	127.37E	144	5.2b,5.1b		
NEIC	I	22 03 01 54.1–.75	0.52S	127.43E	132–7	5.2b,5.1b		
DJA	I	22 03 01 54.5–.20	1S–2.0	128E–2.0	124–2	5.8b,5.7		
IDC	I	22 03 01 54.2–.99	0.57S	127.33E	135–8	4.9,4.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=163.5.
MOS Error ellipse: s-maj=10.1km s-min=5.3km az=112.8.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.4km az=70.0. Felt [II] at Labuha.
IDC Error ellipse: s-maj=12.1km s-min=6.1km az=80.0.

(259) Mindanao

ISC	**I**	**22 05 51 24.3–.78**	**9.29N–.05**	**125.78E–.09**	**21–4**	**3.8b**	**27**	**0-145**
IDC	I	22 05 51 19.3–1.4	9.69N	126.56E	0	4.5L,3.9		**¶12082035**
ISCJB	I	22 05 51 23.6–1.4	9.22N–.05	125.87E–.06	28–10	3.9b,3.2s		
MAN	I	22 05 51 24	9.25N	125.66E	8	4.7b,3.6s		
NEIC	I	22 05 51 29.3–5.0	9.39N	126.08E	70–40	4.2b,3.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=52.1km s-min=23.4km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=7.7km az=158.8.
MAN Event type fe. INTENSITY II - BUTUAN CITY.
NEIC Event type fe. Error ellipse: s-maj=74.1km s-min=15.9km az=52.0. Felt [II PIVS] at Butuan.

(369) Dodecanese Islands

ISC	**I**	**22 09 09 35.4–.82**	**36.80N–.02**	**27.42E–.02**	**16–6**	**3.8b**	**173**	**0-43**
IDC	I	22 09 09 32.4–1.3	36.92N	27.22E	0	3.8b,3.8		**¶12082044**
ISK	I	22 09 09 34.6	36.79N	27.41E	13	3.5,3.8		
DDA	I	22 09 09 34.9	36.80N	27.45E	5	3.6,3.8		
CSEM	I	22 09 09 35.1–.13	36.77N	27.41E	10	3.6,3.8		
THE	I	22 09 09 35.3	36.84N	27.47E	10–0	3.9L,3.8		
ISCJB	I	22 09 09 35.2–.45	36.79N–.02	27.47E–.03	13–3	3.7b,3.8		
NEIC	I	22 09 09 35.8	36.84N	27.48E	12	3.9L,3.4L		
ATH	I	22 09 09 35.4	36.82N	27.43E	28–4	3.3,3.4L		
HLW	I	22 09 09 47.1	36.50N	28.51E	22–11	4.2,3.5L		

ISC Event type fe.
IDC Error ellipse: s-maj=27.7km s-min=24.8km az=151.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=84.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.9km az=7.3.
NEIC Event type fe. Felt on Kos. After ISK.
ATH Error ellipse: s-maj=0.9km s-min=3.4km az=-1.0.

(230) Near south coast of eastern Honshu

ISC	**I**	**22 12 21 01.1–.33**	**34.27N–.03**	**139.29E–.03**	**138–2**	**4.9b**	**873**	**0-156**
BJI	I	22 12 20 56.5	34.20N	139.30E	115	4.9b,4.8b		**¶13433921**
NEIC	I	22 12 20 59.5–.54	34.20N	139.24E	124–4	5.0b,4.8W		
MOS	I	22 12 20 59.6–.89	34.18N	139.20E	139	4.9b,4.8W		
ISCJB	I	22 12 21 00.4–.23	34.20N–.03	139.16E–.02	142–1	4.8b,4.8W		
NIED	I	22 12 21 00	34.30N	139.50E	145	4.8W,4.8W		
IDC	I	22 12 21 01.1–.66	34.23N	139.19E	137–5	4.5,4.5		
JMA	I	22 12 21 01.1–.10	34.33N	139.51E	143–1	4.7,4.5		
SZGRF	I	22 12 21 02.1	34.88N	141.00E	33	5.2b,4.5		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.2km az=148.0. Felt at Tokyo, Yokohama and Yokosuka. Recorded [2 JMA] in Kanagawa and [1 JMA] in Fukushima, Gumma and Tochigi. Moment Tensor Solution. $M_0$2.00000×10^{16}
MOS Error ellipse: s-maj=8.3km s-min=4.7km az=111.6.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.0km az=175.3.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ90.00000°,λ99.00000°. NP2:ϕ_s268.00000°,δ9.00000°,λ0.00000°. $M_0$2.03000×10^{16}
IDC Error ellipse: s-maj=9.8km s-min=7.2km az=83.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s176.00000°,δ86.00000°,λ89.00000°. NP2: ϕ_s16.00000°,δ4.00000°,λ110.00000°. Principal axes: T Plg49.0000°,Azm84.0000° ; N Plg1.0000°,Azm176.0000°; P Plg41.0000°,Azm267.0000°
SZGRF Off east coast of Honshu, Japan.

(235) Kyushu

ISC	**I**	**22 15 24 36.7–.71**	**30.12N–.03**	**131.26E–.05**	**30–4**	**4.6b,4.2s**	**210**	**1-88**
NIED	I	22 15 24 00	30.10N	131.30E	26	4.5W,4.2s		**¶13433928**
BJI	I	22 15 24 27.2	29.76N	131.83E	15	4.8b,4.4s		
MOS	I	22 15 24 35.2–.92	30.13N	131.17E	33	4.6b,4.4s		
JMA	I	22 15 24 36.0–.20	30.09N	131.33E	36–2	4.3,4.4s		
NEIC	I	22 15 24 36.1–1.9	30.13N	131.15E	26–14	4.6b,4.5W		
ISCJB	I	22 15 24 36.6–.53	30.12N–.03	131.25E–.05	48–3	4.4b,4.2s		
IDC	I	22 15 24 38.6–2.4	30.16N	131.08E	38–20	4.0,4.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ64.00000°,λ76.00000°. NP2:ϕ_s226.00000°,δ29.00000°,λ116.00000°. $M_0$7.33000×10^{15}
MOS Error ellipse: s-maj=11.5km s-min=6.3km az=116.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.7km az=137.0. Recorded [1 JMA] on Tanega-shima and Yaku-shima. Moment Tensor Solution. $M_0$7.30000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.1km az=23.4.
IDC Error ellipse: s-maj=16.9km s-min=12.4km az=88.0.

(221) Kuril Islands

JMA	**I**	**22 16 00 53.9–.10**	**43.32N**	**146.13E**	**51–1**	**3.5**		**¶15534145**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

(280) Banda Sea

ISC	**I**	**22 20 16 34.6–.20**	**7.32S–.03**	**128.56E–.03**	**149–1**	**6.0b**	**2782**	**3-168**
BJI	I	22 20 16 27.6	7.77S	129.13E	141	6.3b,6.1b		**¶13989198**
MOS	I	22 20 16 32.4–1.2	7.34S	128.61E	143	6.1b,5.3s		
ISCJB	I	22 20 16 33.0–.12	7.37S–.02	128.62E–.02	148	5.9b,5.3s		
TEH	I	22 20 16 34.0	7.28S	128.59E	141	6.2L,5.3s		
BGS	I	22 20 16 34.4–1.7	7.00S	128.47E	147	6.1b,5.3s		
NEIC	I	22 20 16 34.6–.09	7.31S	128.57E	147	6.2,6.1b		
IDC	I	22 20 16 35.0–.68	7.28S	128.53E	146–5	5.6,5.6b		
DJA	I	22 20 16 36	7.52S	128.69E	170	5.9W,5.6b		

ISC Event type fe.
MOS Error ellipse: s-maj=13.2km s-min=8.0km az=112.3.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=141.5.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=54.0. Felt [II] at Dili, Timor-Leste. Also felt [II] at Darwin, Australia. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s320.00000°,δ40.00000°,λ100.00000°. NP2: ϕ_s127.00000°,δ51.00000°,λ82.00000°. Principal axes: T Plg82.0000°,Azm353.0000° ; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm223.0000° Moment Tensor Solution. s45 Moment tensor: Scale 10^{18}Nm; M_{rr}1.76 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$-0.75 $M_{r\theta}$0.43 $M_{\theta\phi}$0.93 $M_{\phi r}$-0.06 Best double couple: NP1:ϕ_s318.00000°,δ40.00000°,λ102.00000°. NP2:ϕ_s124.00000° ,δ51.00000°,λ81.00000°. Principal axes: T 1.8300,Plg80.0000°,Azm348.0000° ; N 0.0300,Plg7.0000°,Azm129.0000°; P -1.8600,Plg5.0000°,Azm220.0000° $M_0$1.80000×10^{18}
IDC Error ellipse: s-maj=10.4km s-min=7.3km az=73.0.

(43) Southern California

ISC	**I**	**22 20 46 57.5–.95**	**34.20N–.02**	**118.56W–.02**	**19–2**		**45**	**0-4**
ISCJB	I	22 20 46 57.7–.30	34.20N–.02	118.56W–.02	23–3			**¶13989197**
NEIC	I	22 20 46 58.3	34.20N	118.56W	18	3.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.1km az=35.8.
NEIC Event type fe. Felt [III] at Los Angeles, Marina del Rey, Santa Monica, Sherman Oaks, Studio City and Tarzana. Felt [II] in the San Fernando Valley and in the western part of the Los Angeles Basin. After PAS.

(250) Mindoro

ISC	**I**	**22 23 35 10.4–.77**	**13.47N–.07**	**120.53E–.08**	**10**	**4.3b**	**32**	**0-50**
ISCJB	I	22 23 35 09.5–.45	13.41N–.04	120.50E–.05	10	4.2b		**¶12082085**
IDC	I	22 23 35 09.0–.95	13.36N	120.61E	0	4.0,3.8b		
MAN	I	22 23 35 10	13.57N	120.40E	28	4.0b,2.7L		
NEIC	I	22 23 35 12.2–1.7	13.48N	120.77E	24–14	4.6b,2.7L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.7km az=168.8.
IDC Error ellipse: s-maj=21.7km s-min=9.9km az=109.0.
MAN Event type fe. INTENSITY III - PALUAN OCC. MINDORO.
NEIC Event type fe. Error ellipse: s-maj=18.1km s-min=6.6km az=53.0. Felt [III PIVS] at Paluan.

(228) Near east coast of eastern Honshu

ISC	**I**	**23 06 08 40.8–1.2**	**38.49N–.06**	**142.2E–.10**	**79–10**	**3.5b**	**37**	**1-89**
ISCJB	I	23 06 08 40.2–.71	38.49N–.04	142.10E–.09	86–5	3.4b		**¶12082104**
JMA	I	23 06 08 41.4–.10	38.51N	142.05E	82–1	3.8		
IDC	I	23 06 08 42.0–2.3	38.57N	142.19E	88–20	3.5,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=6.3km az=19.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=14.4km az=127.0.

(127) Chile-Argentina border region

ISC	**I**	**23 12 56 07.8–.21**	**36.43S–.03**	**70.91W–.04**	**122**	**4.9b**	**705**	**1-176**
ISCJB	I	23 12 56 07.1–.14	36.41S–.03	70.81W–.04	126	4.9b		**¶11616520**
GUC	I	23 12 56 07.4–.96	36.45S	70.99W	129–10	5.8L		
IDC	I	23 12 56 08.4–.44	36.40S	70.81W	129–3	4.8,4.7		
NEIC	I	23 12 56 08.3–.15	36.39S	70.81W	127	4.8b,4.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.4km az=148.2.
GUC Error ellipse: s-maj=5.0km s-min=10.8km az=-1.0.
IDC Error ellipse: s-maj=12.5km s-min=7.8km az=95.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.1km az=75.0. Felt [III] at Constitucion, Linares, Nuble and Talca; [II] at Cauquenes, Concepcion, Puchuncavi, Rancagua, San Antonio, Santiago, Valparaiso and Vina del Mar.

(460) Wyoming

ISC	**I**	**23 19 14 57.6–.74**	**43.69N–.03**	**105.28W–.04**	**0**		**49**	**0-61**
IDC	I	23 19 14 49.9–3.0	42.65N	105.09W	0	3.9,3.7		**¶12082156**
ISCJB	I	23 19 14 57.0–.40	43.65N–.03	105.28W–.04	0	4.5b,3.7		
NEIC	I	23 19 14 58.1–.46	43.69N	105.28W	0	3.1L,3.7		

ISC Event type fm.
IDC Error ellipse: s-maj=57.6km s-min=9.1km az=163.0.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=3.7km az=20.4.
NEIC Event type fm. Error ellipse: s-maj=6.6km s-min=5.9km az=151.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(246) Southwestern Ryukyu Islands

ISC	**I**	**24 02 38 57.7–.33**	**24.84N–.03**	**125.70E–.03**	**41–2**	**5.1b,4.5s**	**633**	**0-146**
IDC	I	24 02 38 51.5–.42	24.82N	125.62E	0	5.2L,4.9		**¶13433962**
BJI	I	24 02 38 52.9	24.52N	125.99E	42	5.1b,4.9b		
DJA	I	24 02 38 54	25.14N	126.17E	15	5.3b,4.9b		
MOS	I	24 02 38 55.2–1.1	24.85N	125.67E	33	5.2b,4.9b		
ISCJB	I	24 02 38 56.3–.36	24.83N–.03	125.67E–.02	38–3	5.1b,4.4s		
NEIC	I	24 02 38 57.5–.49	24.81N	125.69E	38–4	5.2b,4.8W		
JMA	I	24 02 38 57.7–.20	24.78N	125.74E	50–2	5.1,4.8W		
TEH	I	24 02 38 58.0	24.79N	125.64E	39	5.1L,4.8W		
SZGRF	I	24 02 38 59.9	24.54N	124.62E	49	5.2b,4.8W		
NIED	I	24 02 39 00	24.70N	125.80E	35	4.9W,4.8W		

ISC Event type fe.
IDC Error ellipse: s-maj=14.5km s-min=10.7km az=80.0.
MOS Error ellipse: s-maj=7.3km s-min=4.2km az=111.5.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=159.8.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.6km az=144.0. Recorded [3 JMA] on Miyako-jima and [1 JMA] on Kume-jima and Tarama-shima. Moment Tensor Solution. $M_0$2.10000×10^{16}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
SZGRF Southwestern Ryukyu Islands, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s197.00000°,δ85.00000°,λ-162.00000°. NP2:ϕ_s105.00000°,δ72.00000°,λ-6.00000°. $M_0$2.14000×10^{16}

(216) Mariana Islands

ISC	**I**	**24 09 00 06.8–.72**	**13.8N–.10**	**145.1E–.10**	**117–5**	**4.0b**	**53**	**0-144**
NEIC	I	24 09 00 06.0–.40	13.80N	145.09E	111	4.3b		**¶13433965**
ISCJB	I	24 09 00 06.2–.62	13.76N–.08	145.0E–.10	126–5	4.0b		
IDC	I	24 09 00 06.4–.62	13.81N	145.10E	114–3	4.4s,4.4		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=15.4km s-min=9.3km az=102.0. Felt at Yigo.
ISCJB Event type fe. Error ellipse: s-maj=19.7km s-min=12.5km az=4.8.
IDC Error ellipse: s-maj=21.9km s-min=13.6km az=97.0.

(227) Eastern Honshu

ISC	**I**	**24 09 32 06.8–.54**	**38.27N–.05**	**140.49E–.05**	**141–4**	**4.0b**	**94**	**0-147**
NIED	I	24 09 32 00	38.20N	140.60E	119	3.9W		**¶12082207**
ISCJB	I	24 09 32 05.5–.29	38.28N–.04	140.49E–.05	144–2	4.0b		
JMA	I	24 09 32 06.9–.10	38.23N	140.55E	138–1	3.7		
NEIC	I	24 09 32 07.0	38.23N	140.55E	138	4.5b,3.9W		
IDC	I	24 09 32 07.0–1.1	38.32N	140.39E	140–10	3.7,3.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s172.00000°,δ74.00000°,λ-134.00000°. NP2:ϕ_s66.00000°,δ47.00000°,λ-23.00000°. $M_0$8.62000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.9km az=40.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s179.00000°,δ86.00000°,λ-75.00000°. NP2: ϕ_s284.00000°,δ15.00000°,λ-164.00000°. Principal axes: T Plg39.0000°,Azm255.0000°

; N Plg15.0000°,Azm357.0000°; P Plg47.0000°,Azm104.0000°
NEIC Event type fe. Recorded [1 JMA] in Fukushima, Ibaraki and Miyagi. After JMA. Moment Tensor Solution. $M_0$8.60000×10^{14}
IDC Error ellipse: s-maj=13.2km s-min=9.9km az=129.0.

(221) Kuril Islands

ISC	**I**	**24 12 44 22.0–.58**	**44.58N–.05**	**147.85E–.05**	**90–5**	**3.5b**	**148**	**1-82**
NIED	I	24 12 44 00	44.50N	148.10E	74	4.0W		**¶12082218**
JMA	I	24 12 44 20.5–.30	44.49N	148.13E	61	4.8		
SKHL	I	24 12 44 20.9–.50	44.50N	148.19E	72–6	5.2b		
MOS	I	24 12 44 21.2–1.4	44.66N	147.75E	99	4.5b		
BJI	I	24 12 44 21.3	44.60N	147.90E	80	5.1b,4.6b		
ISCJB	I	24 12 44 21.5–.47	44.67N–.04	147.80E–.06	99–3	3.6b,4.6b		
IDC	I	24 12 44 22.2–.74	44.73N	147.65E	85–6	3.7,3.6		
NEIC	I	24 12 44 22.1–.46	44.67N	147.73E	83	4.0b,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ83.00000°,λ-26.00000°. NP2:ϕ_s86.00000°,δ64.00000°,λ-172.00000°. $M_0$1.11000×10^{15}
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
MOS Error ellipse: s-maj=11.0km s-min=8.5km az=56.2.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=4.8km az=135.3.
IDC Error ellipse: s-maj=18.1km s-min=12.7km az=144.0.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=6.3km az=141.0. Recorded [1 JMA] in eastern Hokkaido.

(243) Taiwan region

ISC	**I**	**24 13 48 11.5–1.2**	**24.88N–.03**	**122.06E–.03**	**0–8**	**4.2b,3.8s**	**122**	**0-95**
TAP	I	24 13 48 11.5	24.89N	122.04E	5–0	4.6L,3.8s		**¶13863353**
NEIC	I	24 13 48 12.8–1.5	24.86N	122.03E	4–9	4.6b,3.8s		
IDC	I	24 13 48 20.9–4.5	24.86N	122.06E	74–42	3.9,3.8b		

ISC Event type fe.
TAP C.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=7.0km az=86.0. Felt at Hsin-chu and Taipei. Recorded [3 TAP] in T'ai-pei, [2 TAP] in I-lan and [1 TAP] in T'ao-yuan.
IDC Error ellipse: s-maj=21.8km s-min=18.3km az=23.0.

(289) Timor region

ISC	**I**	**24 13 52 28.2–.42**	**8.54S–.03**	**125.06E–.04**	**25–2**	**5.1b,4.2s**	**300**	**3-152**
BJI	I	24 13 52 21.9	8.94S	125.48E	26	5.2b,5.0b		**¶11617205**
IDC	I	24 13 52 25.2–.44	8.34S	124.96E	0	4.9,4.9b		
DJA	I	24 13 52 27	8.49S	125.11E	10	4.9W,4.9b		
ISCJB	I	24 13 52 28.0–.49	8.46S–.03	125.07E–.03	35–4	5.0b,4.3s		
NEIC	I	24 13 52 28.1–.18	8.41S	125.01E	22	5.2b,4.3s		
MOS	I	24 13 52 30.3–1.2	7.94S	124.93E	33	5.3b,4.3s		

ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=11.2km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.1km az=141.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=3.7km az=57.0. Felt [III] at Dili. Also felt [III] on Pulau Alor, Indonesia.
MOS Error ellipse: s-maj=23.6km s-min=8.5km az=109.2.

(73) El Salvador

ISC	**I**	**24 16 15 43.7–.49**	**13.17N–.04**	**89.32W–.04**	**71–4**	**4.6b**	**626**	**0-148**
BJI	I	24 16 15 42.9	13.10N	89.40W	70	5.2b,5.0s		**¶11657446**
NEIC	I	24 16 15 43.2–.39	13.13N	89.35W	63	5.2,4.7b		
ISCJB	I	24 16 15 43.4–.41	13.13N–.04	89.31W–.03	79–2	4.5b,4.7b		
IDC	I	24 16 15 44.4–.55	13.54N	88.80W	66–5	4.2,4.2		
CASC	I	24 16 15 44.6–1.3	13.09N	89.37W	46–12	5.0L,4.7b		
MEX	I	24 16 15 47.9–.69	12.48N	90.17W	20–999	4.6,4.7b		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=5.1km az=218.0. Felt [IV] at San Salvador and [III] at Antiguo Cuscatlan. Also felt at Colon, Nueva San Salvador and Opico. Felt [III] at Guatemala, Guatemala.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=3.7km az=24.5.
IDC Error ellipse: s-maj=22.6km s-min=9.2km az=54.0.
CASC Error ellipse: s-maj=6.2km s-min=2.7km az=-1.0.
MEX Error ellipse: s-maj=415.6km s-min=293.8km az=-1.0.

(235) Kyushu

ISC	**I**	**24 17 33 38.0–.29**	**33.52N–.03**	**131.82E–.03**	**82**	**4.7b**	**506**	**0-98**
NIED	I	24 17 33 00	33.60N	131.90E	83	4.7W		**¶13433979**
BJI	I	24 17 33 31.4	33.12N	132.41E	81	4.9b,4.7b		
MOS	I	24 17 33 36.8–1.1	33.48N	131.69E	85	4.7b,4.7b		
ISCJB	I	24 17 33 37.5–.13	33.50N–.02	131.69E–.02	81	4.6b,4.7b		
NEIC	I	24 17 33 38.6–.15	33.52N	131.69E	82	4.8b,4.7W		
JMA	I	24 17 33 38.4	33.56N	131.88E	78–1	4.4,4.7W		
IDC	I	24 17 33 39.2–.63	33.54N	131.66E	89–5	4.2,4.2		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s185.00000°,δ76.00000°,λ-81.00000°. NP2:ϕ_s330.00000°,δ17.00000°,λ-124.00000°. $M_0$1.25000×10^{16}
MOS Error ellipse: s-maj=8.7km s-min=5.7km az=110.1.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.6km az=169.2.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=149.0. Felt [II] at Iwakuni, Honshu. Felt at Beppu and Oita, Kyushu. Recorded [2 JMA] in Oita and [1 JMA] in Fukuoka, Kumamoto, Miyazaki and Saga, Kyushu. Recorded [2 JMA] in Hiroshima and Yamaguchi and [1 JMA] in Shimane, Honshu. Also recorded [2 JMA] in Ehime and Kochi and [1 JMA] in Tokushima, Shikoku. Moment Tensor Solution. $M_0$1.30000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s179.00000°,δ78.00000°,λ-77.00000°. NP2:ϕ_s310.00000°,δ18.00000°,λ-137.00000°. Principal axes: T Plg32.0000°,Azm258.0000°; N Plg13.0000°,Azm356.0000°; P Plg55.0000°,Azm105.0000°
IDC Error ellipse: s-maj=11.5km s-min=9.5km az=81.0.

(2) Southern Alaska

ISC	**I**	**24 18 09 49.9–.14**	**59.55N–.02**	**153.12W–.02**	**100**	**5.8b**	**2623**	**0-163**
DJA	I	24 18 09 40	59.39N	153.53W	10	5.5b		**¶13989218**
BJI	I	24 18 09 46.8	59.53N	153.07W	103	5.8b,5.6b		
IDC	I	24 18 09 47.9–.92	59.53N	153.18W	81–9	5.1,5.1		
MOS	I	24 18 09 48.6–.90	59.62N	153.21W	101	5.8b,5.2s		
ISCJB	I	24 18 09 48.8–.08	59.66N–.01	153.23W–.02	99	5.7b,5.2s		
NEIC	I	24 18 09 50.8	59.43N	152.89W	98	5.8b,5.7W		
SZGRF	I	24 18 09 53.3	59.68N	153.01W	104	6.2b,5.7W		
BGS	I	24 18 09 57.7–1.5	60.57N	151.59W	98	5.7b,5.7W		

ISC Event type fe.
IDC Error ellipse: s-maj=8.4km s-min=8.3km az=166.0.
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=94.6.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.3km az=30.7.
NEIC Event type fe. Felt [IV] at Anchor Point, Homer, Kasilof, Sterling and Willow; [III] at Anchorage, Eagle River, Girdwood, Kenai, Nikiski, Ninilchik, Palmer, Seward, Soldotna and Talkeetna; [II] at Chugiak, Elmendorf AFB, Indian, Kodiak, Seldovia, Valdez and Wasilla. Also felt at Big Lake, Clam Gulch, Cooper Landing, Cordova, Eek, Glennallen, Houston, Moose Pass, Pedro Bay, Port Alsworth, Port Lions, Sutton and Whittier. After AEIC. Moment Tensor Solution. s76 Moment tensor: Scale 10^{17}Nm; M_{rr}2.54 $M_{\theta\theta}$-3.79 $M_{\phi\phi}$1.25 $M_{r\theta}$1.38 $M_{\theta\phi}$1.78 $M_{\phi r}$2.58 Best double couple: NP1:ϕ_s320.00000°,δ53.00000°,λ145.00000°. NP2: ϕ_s74.00000°,δ62.00000°,λ42.00000°. Principal axes: T 5.0900,Plg48.0000°,Azm291.0000°; N -0.6900,Plg40.0000°,Azm100.0000°; P -4.4100,Plg5.0000°,Azm195.0000° $M_0$4.80000×10^{17}
SZGRF Southern Alaska, United States.
BGS Error ellipse: s-maj=175.8km s-min=707.0km az=-1.0.

(162) South Island

WEL	**I**	**24 20 19 30.4–.17**	**45.08S**	**167.43E**	**91–1**	**4.2L**		
NEIC	I	24 20 19 30.1	45.07S	167.42E	94	4.3		**¶11752390**

WEL Event type fe. Error ellipse: s-maj=1.5km s-min=0.9km az=90.0. Felt in Fiordland and Otago, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Arthurs Point, Queenstown and Te Anau. After WEL.

(250) Mindoro

ISC	**I**	**24 20 45 03.0–.65**	**13.52N–.05**	**120.7E–.10**	**35**	**4.5b**	**60**	**1-62**
IDC	I	24 20 44 58.1–.86	13.36N	120.52E	0	4.3,4.2		**¶11677687**
MAN	I	24 20 44 59	13.51N	120.38E	17	4.9b,3.8s		
ISCJB	I	24 20 45 01.7–.32	13.42N–.04	120.51E–.05	33	4.5b,2.7s		
NEIC	I	24 20 45 03.1–1.2	13.53N	120.82E	40–12	4.6b,2.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.7km s-min=10.4km az=112.0.
MAN Event type fe. INTENSITY I - PALUAN OCC. MINDORO.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.7km az=156.7.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=6.1km az=58.0. Felt [I PIVS] at Paluan.

(460) Wyoming

ISC	**I**	**24 21 03 50.0–.57**	**43.65N–.02**	**105.31W–.02**	**0**		**128**	**0-62**
IDC	I	24 21 03 47.3–2.4	43.28N	105.22W	0	3.8,3.7L		**¶12082250**
ISCJB	I	24 21 03 49.6–.23	43.66N–.02	105.27W–.02	0	3.5b,3.7L		
NEIC	I	24 21 03 50.7–.30	43.69N	105.20W	0	3.3L,3.7L		

ISC Event type fm.
IDC Error ellipse: s-maj=51.8km s-min=8.0km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.6km s-min=2.2km az=172.1.
NEIC Event type fm. Error ellipse: s-maj=4.2km s-min=3.7km az=148.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(259) Mindanao

ISC	**I**	**24 22 43 08.4–.21**	**5.41N–.03**	**126.28E–.04**	**142**	**4.9b**	**567**	**1-168**
MAN	I	24 22 43 05	5.27N	126.36E	142	5.3b,4.6s		**¶13433985**
ISCJB	I	24 22 43 06.7–.15	5.45N–.02	126.36E–.03	140	5.0b,4.6s		
BJI	I	24 22 43 06.5	5.31N	126.22E	145	5.1b,4.8b		
IDC	I	24 22 43 07.9–.46	5.43N	126.26E	135–3	4.6,4.6		
MOS	I	24 22 43 08.7–1.0	5.42N	126.14E	158	5.2b,4.6		
NEIC	I	24 22 43 08.8–.63	5.49N	126.28E	144–6	5.1b,4.6		
DJA	I	24 22 43 09	5.41N	126.40E	133	5.0W,4.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.2km az=171.0.
IDC Error ellipse: s-maj=13.6km s-min=5.9km az=72.0.
MOS Error ellipse: s-maj=13.3km s-min=5.6km az=116.7.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.4km az=70.0. Felt [I PIVS] at General Santos.

(331) Kazakhstan-Xinjiang border region

ISC	**I**	**25 01 47 47.4–.19**	**43.32N–.03**	**80.90E–.02**	**20**	**5.2b,4.5s**	**933**	**3-159**
LDG	I	25 01 47 43.1–.12	43.15N	80.83E	10	5.0b,4.3s		**¶13433989**
IDC	I	25 01 47 43.9–.37	43.24N	80.86E	0	4.9,4.9		
BJI	I	25 01 47 44.3	43.30N	80.80E	7	5.2L,5.2b		
ISCJB	I	25 01 47 45.7–.10	43.24N–.02	80.90E–.02	20	5.1b,4.6s		
MOS	I	25 01 47 47.9–.90	43.37N	80.92E	33	5.3b,4.6s		
NEIC	I	25 01 47 47.2–.11	43.24N	80.89E	19	5.3b,4.6s		
DJA	I	25 01 47 49	43.17N	80.88E	21	5.3b,4.6s		
NNC	I	25 01 47 50.5–.92	43.75N	80.51E	0	5.2b,5.1		
SZGRF	I	25 01 47 58.1	44.41N	79.90E	24	5.3b,4.6s		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=26.0.
IDC Error ellipse: s-maj=9.0km s-min=7.7km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=13.8.
MOS Error ellipse: s-maj=5.4km s-min=3.7km az=123.8.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=48.0. Felt at Almaty, Kazakhstan.
NNC Error ellipse: s-maj=10.1km s-min=3.9km az=138.0.
SZGRF Eastern Kazakhstan.

(78) Costa Rica

ISC	**I**	**25 04 34 08.4–1.6**	**10.32N–.06**	**86.35W–.05**	**3–9**	**4.4s,4.3b**	**169**	**1-151**
CASC	I	25 04 34 09.4–1.5	10.34N	86.32W	0–6	4.5b,4.3		**¶11617227**
NEIC	I	25 04 34 14.9–.96	10.52N	85.99W	49–9	4.5b,4.3		
BJI	I	25 04 34 14.0	10.50N	86.00W	53	5.4b,4.9s		
IDC	I	25 04 34 14.6–2.4	11.12N	85.58W	26–19	4.2,3.9		

ISC Event type fe.
CASC Error ellipse: s-maj=6.7km s-min=4.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=7.0km az=48.0. Felt at Belen.
IDC Error ellipse: s-maj=44.7km s-min=17.3km az=52.0.

(600) Near coast of South Australia

ISC	**I**	**26 00 29 18.9–2.3**	**32.63S–.05**	**139.06E–.03**	**16–14**	**4.4b**	**92**	**2-151**
IDC	I	26 00 29 17.8–.71	32.70S	138.92E	0	4.7L,4.4		**¶12082334**
NEIC	I	26 00 29 20.0	32.79S	139.01E	17	4.6b,4.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=22.4km s-min=21.0km az=53.0.
NEIC Event type fe. Felt at Peterborough and Adelaide. After AUST.

(115) Near coast of Peru

ISC	**I**	**26 01 49 59.5–.46**	**15.82S–.08**	**74.77W–.10**	**30**	**4.5b,4.2s**	**94**	**4-170**
IDC	I	26 01 49 55.0–.68	15.85S	74.75W	0	4.3,4.2		**¶11617563**
ISCJB	I	26 01 49 57.5–.40	15.89S–.07	74.71W–.08	30	4.5b,4.2s		
NEIC	I	26 01 49 59.3–3.1	15.85S	74.80W	28–21	4.9b,4.2s		
BJI	I	26 01 50 02.6	16.19S	74.23W	50	5.4s,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=27.9km s-min=15.1km az=43.0.
ISCJB Event type fe. Error ellipse: s-maj=14.2km s-min=5.0km az=140.3.
NEIC Event type fe. Error ellipse: s-maj=17.2km s-min=8.3km az=45.0. Felt at Coracora, Nazca and Puquio.

(227) Eastern Honshu

ISC	**I**	**26 08 54 22.0–.37**	**36.53N–.03**	**139.52E–.04**	**140–2**	**4.6b**	**345**	**0-146**
NIED	I	26 08 54 00	36.50N	139.60E	130	4.4W		**¶13434010**
BJI	I	26 08 54 18.2	36.56N	139.75E	139	4.9b,4.7b		
SZGRF	I	26 08 54 20.9	35.98N	139.33E	130	5.2b,4.7b		
ISCJB	I	26 08 54 20.8–.26	36.48N–.02	139.56E–.04	145–1	4.5b,4.7b		
MOS	I	26 08 54 20.6–1.2	36.58N	139.57E	143	4.7b,4.7b		
JMA	I	26 08 54 22.7–.10	36.45N	139.58E	136–1	4.4,4.7b		
NEIC	I	26 08 54 22.1–.52	36.49N	139.47E	141–4	4.8b,4.4W		
IDC	I	26 08 54 22.6–.49	36.48N	139.48E	147–3	4.2,4.2		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s90.00000°,δ82.00000°,λ36.00000°. NP2:ϕ_s354.00000°,δ55.00000°,λ170.00000°. $M_0$4.50000×10^{15}
SZGRF Near south coast of eastern Honshu, Japan.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.1km az=13.0.
MOS Error ellipse: s-maj=8.4km s-min=5.0km az=110.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s94.00000°,δ87.00000°,λ28.00000°. NP2: ϕ_s2.00000°,δ62.00000°,λ176.00000°. Principal axes: T Plg22.0000°,Azm322.0000°; N Plg62.0000°,Azm100.0000°; P Plg17.0000°,Azm225.0000°
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=5.4km az=127.0. Felt at Machida, Midaka, Tokyo and Zushi. Recorded [2 JMA] in Ibaraki, Kanagawa, Saitama and Shizuoka; [1 JMA] in Fukushima, Gumma, Nagano, Tochigi, Tokyo and Yamanashi. Moment Tensor Solution. $M_0$4.50000×10^{15}
IDC Error ellipse: s-maj=9.7km s-min=8.0km az=123.0.

(238) Ryukyu Islands

ISC	**I**	**26 13 57 49.1–.68**	**29.69N–.05**	**129.93E–.09**	**99–6**	**3.7b**	**39**	**0-75**
NIED	I	26 13 57 00	29.70N	130.00E	68	4.0W		**¶12082376**
ISCJB	I	26 13 57 48.3–.37	29.68N–.03	129.97E–.08	104–3	3.7b		
JMA	I	26 13 57 49.8–.10	29.70N	130.02E	93–1	3.5		
IDC	I	26 13 57 50.2–1.5	29.71N	129.96E	109–14	3.5,3.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ82.00000°,λ-101.00000°. NP2:ϕ_s85.00000°,δ14.00000°,λ-36.00000°. $M_0$9.97000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=4.0km az=18.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=11.6km az=96.0.

(9) Fox Islands

ISC	**I**	**26 19 11 48.2–.28**	**52.09N–.04**	**171.33W–.02**	**33–1**	**5.7b,5.5s**	**3335**	**2-160**
MOS	I	26 19 11 46.8–.94	52.11N	171.38W	33	5.8b,5.5s		**¶13989243**
NEIC	I	26 19 11 47.0	51.96N	171.16W	25	5.8W,5.7W		
BJI	I	26 19 11 47.3	52.38N	171.86W	23	5.9b,5.8s		
ISCJB	I	26 19 11 48.7–.29	52.16N–.02	171.35W–.02	47–2	5.6b,5.5s		
IDC	I	26 19 11 48.5–1.3	52.17N	171.35W	32–8	5.4s,5.4		
IGIL	I	26 19 11 49.4	52.19N	171.41W	35	5.6s,5.4		
BGS	I	26 19 11 49.5–1.7	52.12N	166.79W	25–999	5.8b,5.4		
SZGRF	I	26 19 11 50.3	52.60N	171.12W	33	5.8b,5.4s		
DJA	I	26 19 11 57	52.03N	171.18W	119	5.7W,5.4s		

ISC Event type fe.
MOS Error ellipse: s-maj=16.5km s-min=4.6km az=94.1.
NEIC Event type fe. Felt at Nikolski. After AEIC. Moment Tensor Solution. s78 Moment tensor: Scale 10^{17}Nm; M_{rr}2.82 $M_{\theta\theta}$-1.81 $M_{\phi\phi}$-1.01 $M_{r\theta}$1.94 $M_{\theta\phi}$-1.15 $M_{\phi r}$2.24 Best double couple: NP1:ϕ_s45.00000°,δ69.00000°,λ84.00000°. NP2:ϕ_s242.00000°,δ22.00000°,λ106.00000°. Principal axes: T 4.1600,Plg65.0000°,Azm303.0000°; N -0.2700,Plg6.0000°,Azm47.0000°; P -3.8900,Plg23.0000°,Azm139.0000° $M_0$4.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=1.6km az=3.4.
IDC Error ellipse: s-maj=12.9km s-min=7.9km az=163.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Fox Islands, Aleutian Islands, United States.

(274) Southern Sumatera

ISC	**I**	**26 19 33 07.9–.32**	**0.41S–.03**	**98.06E–.04**	**31–1**	**5.5s,5.3b**	**694**	**2-159**
IDC	I	26 19 33 03.3–.42	0.31S	98.21E	0	5.5L,5.3s		**¶13434017**
BJI	I	26 19 33 03.3	0.77S	98.18E	35	5.9s,5.8b		
NEIC	I	26 19 33 04.7–.19	0.35S	98.18E	10	5.4b,5.8b		
MOS	I	26 19 33 06.9–1.4	0.25S	98.26E	33	5.5b,5.4s		
ISCJB	I	26 19 33 06.8–.77	0.32S–.03	98.11E–.02	33–5	5.5s,5.2b		
DJA	I	26 19 33 07	0.30S	98.07E	14	5.4W,5.2b		
TEH	I	26 19 33 07.0	0.43S	97.92E	35	5.9L,5.2b		
SZGRF	I	26 19 33 21.0	0.29S	97.83E	33	5.3b,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=9.8km az=37.0.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.4km az=52.0. Felt [II] at Padangpanjang and Payakumbuh.
MOS Error ellipse: s-maj=8.6km s-min=4.7km az=108.6.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.4km az=34.0.
SZGRF Southwest of Sumatera, Indonesia.

(460) Wyoming

ISC	**I**	**26 21 07 33.7–.55**	**43.66N–.01**	**105.23W–.02**	**0**		**276**	**0-68**
IDC	I	26 21 07 32.2–1.8	43.48N	105.31W	0	4.0b,3.9		**¶12082413**
ISCJB	I	26 21 07 33.5–.15	43.699N–.01	105.27W–.02	0	4.1b,3.9		
NEIC	I	26 21 07 34.1–.32	43.66N	105.18W	0	3.4L,3.9		

ISC Event type fm.
IDC Error ellipse: s-maj=46.2km s-min=7.1km az=151.0.
ISCJB Event type fm. Error ellipse: s-maj=1.6km s-min=1.4km az=159.2.
NEIC Event type fm. Error ellipse: s-maj=4.8km s-min=4.2km az=171.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**I**	**26 21 11 20.7–.72**	**41.71N–.02**	**110.61W–.02**	**0**		**65**	**0-21**
ISCJB	I	26 21 11 20.5–.25	41.70N–.02	110.62W–.02	0			**¶12082414**
NEIC	I	26 21 11 20.4–.88	41.70N	110.61W	0	2.0L		
IDC	I	26 21 11 21.2–1.9	41.85N	110.51W	0	3.3,3.1s		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=2.1km az=160.8.
NEIC Event type fm. Error ellipse: s-maj=16.2km s-min=6.0km az=116.0. 55 km [35 miles] NNE of Evanston. Suspected Mining explosion.
IDC Error ellipse: s-maj=42.9km s-min=12.6km az=138.0.

(274) Southern Sumatera

ISC	**I**	**28 00 01 15.4–.19**	**0.32S–.03**	**98.20E–.03**	**28**	**5.7b,5.5s**	**2139**	**4-177**
BJI	I	28 00 01 10.3	0.82S	98.26E	33	6.1b,6.0s		**¶13962508**
ISCJB	I	28 00 01 13.3–.12	0.28S–.02	98.25E–.02	24	5.7b,5.5s		
TEH	I	28 00 01 14.0	0.38S	98.01E	29	5.8L,5.5s		
MOS	I	28 00 01 14.3–1.4	0.28S	98.35E	33	6.0b,5.4s		
NEIC	I	28 00 01 14.6–.12	0.26S	98.28E	20	5.8,5.7b		
IDC	I	28 00 01 14.4–1.4	0.36S	98.38E	20–7	5.5L,5.5s		
SZGRF	I	28 00 01 17.6	0.83S	96.95E	33	5.6b,5.4s		
DJA	I	28 00 01 17	0.30S	98.21E	31	5.6W,5.4s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.6km az=31.8.
MOS Error ellipse: s-maj=10.5km s-min=5.1km az=121.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.3km az=224.0. Felt [III] at Padang and Pasaman. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s130.00000°,δ80.00000°,λ85.00000°. NP2: ϕ_s337.00000°,δ11.00000°,λ116.00000°. Principal axes: T Plg55.0000°,Azm34.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm224.0000° Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}1.44 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-0.88 $M_{r\theta}$2.30 $M_{\theta\phi}$1.22 $M_{\phi r}$-1.38 Best double couple: NP1:ϕ_s341.00000°,δ19.00000°,λ127.00000°. NP2:ϕ_s122.00000° ,δ75.00000°,λ78.00000°. Principal axes: T 3.0200,Plg58.0000°,Azm16.0000° ; N 0.3400,Plg11.0000°,Azm125.0000°; P -3.3600,Plg28.0000°,Azm222.0000° M_o3.20000×10^{17}
IDC Error ellipse: s-maj=10.0km s-min=7.1km az=51.0.
SZGRF Southwest of Sumatera, Indonesia.

(123) Northern Chile

ISC	**I**	**28 04 02 09.3–.57**	**20.04S–.04**	**69.91W–.09**	**57–4**	**4.1b**	**58**	**0-152**
IDC	I	28 04 02 08.3–1.3	20.48S	69.84W	56–5	4.0,3.8		**¶11657452**
ISCJB	I	28 04 02 09.0–.36	20.05S–.03	69.88W–.08	71–3	3.9b,3.8		
NEIC	I	28 04 02 09.5	20.07S	69.97W	57	4.0b,3.8		
GUC	I	28 04 02 09.5–1.0	20.07S	69.97W	57–5	4.3L,3.8		

ISC Event type fe.
IDC Error ellipse: s-maj=46.4km s-min=21.5km az=11.0.
ISCJB Event type fe. Error ellipse: s-maj=12.2km s-min=5.0km az=170.2.
NEIC Event type fe. Felt [III] at Alto Hospicio and [II] at Huara, Pica, Pisagua and Pozo Almonte. After GUC.
GUC Error ellipse: s-maj=2.8km s-min=8.7km az=-1.0.

(27) Near coast of Washington

ISC	**I**	**28 05 29 35.6–1.3**	**47.95N–.03**	**124.28W–.04**	**7–11**		**40**	**1-3**
ISCJB	I	28 05 29 34.9–.76	47.95N–.03	124.30W–.06	1–5			**¶11656154**
PGC	I	28 05 29 34.9	47.85N	124.28W	0–0	2.3L		
NEIC	I	28 05 29 36.2	47.92N	124.25W	0	2.5		
PNSN	I	28 05 29 36.2	47.92N	124.25W	0	2.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=3.8km az=152.3.
PGC Event type ke. 93km Wsw of Victoria, Bc Near Coast Of Washington.
NEIC Event type fe. Felt [II] at Forks, Port Angeles and Port Townsend. Also felt at Quilcene and Sequim. Felt at Victoria, British Columbia. After SEA.
PNSN Moment Tensor Solution. NP1:ϕ_s25.00000°,δ40.00000° NP2:ϕ_s242.00000°,δ56.00000° Principal axes: T Plg69.0000°,Azm203.0000°; P Plg9.0000°,Azm316.0000°

(289) Timor region

ISC	**I**	**28 07 53 37.0–.34**	**8.98S–.03**	**124.09E–.04**	**59–2**	**5.7b,4.7s**	**1422**	**2-165**
BJI	I	28 07 53 25.0	9.89S	124.63E	35	5.7b,5.6b		**¶13434054**
ISCJB	I	28 07 53 34.4–.14	9.02S–.02	124.16E–.02	50	5.7b,4.7s		
BGS	I	28 07 53 37.7–2.8	8.94S	124.16E	66	5.6b,4.7s		
MOS	I	28 07 53 37.3–1.4	8.84S	124.10E	69	5.8b,4.6s		
NEIC	I	28 07 53 38.2–.91	8.94S	124.16E	66–7	5.7W,5.6b		
DJA	I	28 07 53 39	9.30S	124.15E	73	5.9W,5.6b		
IDC	I	28 07 53 40.5–.96	8.85S	124.10E	82–7	5.2,5.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=32.3.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=8.9km s-min=5.4km az=110.7.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=58.0. Felt [III] on Pulau Alor and at Ende, Flores and at Kupang, Timor. Also felt [III] at Dili, Timor-Leste and [II] at Darwin, Australia. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.38 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.45 $M_{r\theta}$1.90 $M_{\theta\phi}$1.63 $M_{\phi r}$3.22 Best double couple: NP1:ϕ_s200.00000°,δ90.00000° ,λ-111.00000°. NP2:ϕ_s110.00000°,δ21.00000°,λ-1.00000°. Principal axes: T 4.6000,Plg41.0000°,Azm310.0000°; N -1.3200,Plg20.0000°,Azm200.0000° ; P -3.2800,Plg41.0000°,Azm90.0000° M_o4.10000×10^{17}
IDC Error ellipse: s-maj=10.7km s-min=7.3km az=57.0.

(105) Near coast of Ecuador

ISC	**I**	**28 11 53 52.8–.59**	**2.16S–.04**	**79.56W–.08**	**100**	**3.6b**	**65**	**1-133**
IGQ	I	28 11 53 50.4	2.21S	79.78W	33–91	4.4b,4.2s		**¶12082566**
ISCJB	I	28 11 53 51.5–.48	2.17S–.04	79.76W–.05	100	3.6b,4.2s		
IDC	I	28 11 53 51.6–4.4	1.99S	79.44W	83–48	4.0L,3.7		
NEIC	I	28 11 53 54.0–.91	2.08S	79.41W	108–9	4.2b,4.1		

ISC Event type fe.
IGQ Error ellipse: s-maj=6.2km s-min=1.2km az=5.1.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.8km az=21.8.
IDC Error ellipse: s-maj=48.3km s-min=18.8km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=17.1km s-min=8.4km az=72.0. Felt at Guayaquil.

(73) El Salvador

ISC	**I**	**28 17 24 41.1–.50**	**13.34N–.05**	**89.76W–.04**	**56–3**	**4.7b,4.5s**	**938**	**0-151**
IDC	I	28 17 24 37.9–1.8	13.70N	89.31W	26–11	5.1L,4.3		**¶13434060**
ISCJB	I	28 17 24 41.9–.33	13.40N–.04	89.71W–.03	75–2	4.6b,4.3		
NEIC	I	28 17 24 41.6–.27	13.34N	89.71W	60	5.1,4.7b		
MEX	I	28 17 24 41.8–.95	12.73N	90.39W	30	5.2,4.7b		
CASC	I	28 17 24 41.7–1.6	13.26N	89.85W	34–3	4.8L,4.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=21.5km s-min=10.1km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.2km az=28.3.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.4km az=219.0. Felt [IV] at San Salvador. Also felt at Antiguo Cuscatlan. Felt [II] at Guatemala, Guatemala. Also felt in Jutiapa, Retalhuleu and Santa Rosa and at Acatenango, Antigua Guatemala, Escuintla, Jocotenango, Palin and San Bartolome Milpas Altas.
MEX Error ellipse: s-maj=21.1km s-min=25.0km az=-1.0.
CASC Error ellipse: s-maj=3.7km s-min=3.6km az=-1.0.

(95) Windward Islands

ISC	**I**	**28 17 30 58.6–.86**	**11.24N–.03**	**61.52W–.04**	**61–10**	**4.0b**	**68**	**1-145**
ISCJB	I	28 17 30 57.3–.28	11.22N–.02	61.52W–.03	73–4	3.9b		**¶12082598**
TRN	I	28 17 30 58.1	11.29N	61.48W	20	3.7		
FUNV	I	28 17 30 58.8	11.11N	61.45W	26	4.1W		
NEIC	I	28 17 30 59.7–.91	11.35N	61.54W	77–8	3.6b,3.6		
IDC	I	28 17 31 01.0–5.9	11.44N	61.42W	82–38	3.8,3.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.1km az=23.3.
TRN Event type fe. Felt II and III in Port of Spain and environs, II inS t. Augustine and Mt. Hope.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=10.2km az=136.0. Felt [II] at Port-of-Spain. Also felt at Saint Joseph.
IDC Error ellipse: s-maj=58.4km s-min=35.3km az=66.0.

(228) Near east coast of eastern Honshu

ISC	**I**	**28 23 56 05.8–.46**	**35.61N–.04**	**140.64E–.04**	**51–3**	**4.6b,3.9s**	**224**	**0-148**
NIED	I	28 23 56 00	35.70N	140.70E	53	4.7W,3.9s		**¶11656188**
JMA	I	28 23 56 04.9–.10	35.65N	140.66E	51–1	4.3,3.9s		
ISCJB	I	28 23 56 05.2–.33	35.58N–.03	140.63E–.04	55–2	4.6b,3.9s		
NEIC	I	28 23 56 05.7–.64	35.49N	140.54E	43–5	4.9b,4.7W		
MOS	I	28 23 56 06.8–1.4	35.68N	140.55E	67	4.7b,4.7W		
BJI	I	28 23 56 06.1	35.48N	140.48E	70	4.8b,4.7b		
IDC	I	28 23 56 06.3–2.0	35.51N	140.51E	47–18	4.3L,4.2		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s358.00000°,δ68.00000°,λ87.00000°. NP2:ϕ_s185.00000°,δ22.00000°,λ96.00000°. M_o1.30000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s9.00000°,δ82.00000°,λ91.00000°. NP2: ϕ_s179.00000°,δ8.00000°,λ80.00000°. Principal axes: T Plg53.0000°,Azm281.0000° ; N Plg1.0000°,Azm189.0000°; P Plg37.0000°,Azm98.0000°
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.6km az=171.5.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=4.4km az=97.0. Felt at Ayase, Narita, Sagamihara, Tokyo and Yokohama. Recorded [3 JMA] in Chiba, [2 JMA] in Ibaraki and [1 JMA] in Kanagawa and Tochigi. Moment Tensor Solution. M_o1.30000×10^{16}
MOS Error ellipse: s-maj=8.9km s-min=5.9km az=116.6.
IDC Error ellipse: s-maj=12.6km s-min=10.3km az=97.0.

(371) Eastern Mediterranean Sea

ISC	**I**	**28 23 59 07.4–.31**	**35.65N–.03**	**28.23E–.02**	**51–2**	**4.6b,3.8s**	**1225**	**1-93**
SZGRF	I	28 23 58 49.9	34.99N	29.76E	10	4.9b,3.8s		**¶15699747**
IDC	I	28 23 59 01.1–.52	35.78N	28.03E	0	4.9L,4.6		
BJI	I	28 23 59 02.9	35.51N	27.64E	47	5.0b,4.6s		
MOS	I	28 23 59 03.7–1.5	35.52N	28.17E	33	4.7b,4.6s		
ISK	I	28 23 59 04.1	35.54N	28.09E	56	4.8L,4.6s		
ISCJB	I	28 23 59 05.7–.15	35.58N–.01	28.26E–.01	61–2	4.6b,4.6s		
DDA	I	28 23 59 05.3	35.70N	28.07E	26	4.6L,4.6s		
ATH	I	28 23 59 07.4	35.74N	28.18E	64–1	4.5L,4.6s		
PDG	I	28 23 59 07.7–.11	34.64N	26.19E	11–1	4.8L,4.6s		
CSEM	I	28 23 59 07.5–.07	35.57N	28.27E	65–1	4.7b,4.3W		
NEIC	I	28 23 59 07.4	35.74N	28.18E	64	4.7b,4.3W		
HLW	I	28 23 59 09.2	35.50N	28.33E	32–29	4.5,4.4L		
THE	I	28 23 59 09.7	35.71N	28.18E	48–2	4.8L,4.4L		
NSSC	I	28 23 59 14.0–1.7	35.65N	28.98E	36–999	4.3L,4.4L		
NIC	I	28 23 59 15.9–.20	35.56N	28.99E	65	4.8b,4.6L		

ISC Event type fe.
SZGRF Eastern Mediterranean Sea.
IDC Error ellipse: s-maj=12.8km s-min=12.1km az=164.0.
MOS Error ellipse: s-maj=5.8km s-min=2.9km az=110.5.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=26.6.
DDA Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=0.7km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=244.7km s-min=200.9km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=35.0.
NEIC Event type fe. Felt at Lardos and Rodos, Greece. Also felt at Kas, Turkey. After ATH.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=122.0.
NSSC Error ellipse: s-maj=24.6km s-min=116.8km az=-1.0.
NIC Eastern Mediterranean Sea 65km. SE Lardhos. Moment Tensor Solution. M_o1.00000×10^{15}

(228) Near east coast of eastern Honshu

ISC	**I**	**29 00 05 49.0–.47**	**35.67N–.05**	**140.65E–.05**	**45**	**4.1b**	**99**	**0-85**
NIED	I	29 00 05 00	35.70N	140.70E	62	4.3W		**¶13434066**
IDC	I	29 00 05 46.9–.98	35.57N	140.69E	27–5	3.9,3.9		
ISCJB	I	29 00 05 48.0–.36	35.72N–.03	140.66E–.06	45	4.2b,2.5s		
NEIC	I	29 00 05 49.0–.85	35.56N	140.64E	48–7	4.5b,4.2W		
JMA	I	29 00 05 49.0–.10	35.65N	140.66E	50–1	4.0,4.2W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ72.00000°,λ92.00000°. NP2:ϕ_s173.00000°,δ18.00000°,λ84.00000°. M_o2.87000×10^{15}
IDC Error ellipse: s-maj=17.7km s-min=15.9km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.9km az=179.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=7.8km az=152.0. Moment Tensor Solution. M_o2.90000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s9.00000°,δ79.00000°,λ81.00000°. NP2: ϕ_s228.00000°,δ14.00000°,λ129.00000°. Principal axes: T Plg55.0000°,Azm268.0000° ; N Plg8.0000°,Azm10.0000°; P Plg34.0000°,Azm106.0000°

(224) Hokkaido region

ISC	**I**	**29 06 37 29.3–.86**	**44.50N–.05**	**141.80E–.05**	**23–6**	**3.4b**	**21**	**0-146**
NIED	I	29 06 37 00	44.50N	141.80E	11	3.7W		**¶12082646**
IDC	I	29 06 37 25.6–.74	44.48N	141.57E	0	3.7,3.6		
ISCJB	I	29 06 37 28.5–.50	44.51N–.06	141.77E–.08	29–4	3.4b,3.6		
JMA	I	29 06 37 29.5–.10	44.52N	141.82E	19–2	3.6,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ48.00000°,λ81.00000°. NP2:ϕ_s213.00000°,δ42.00000°,λ100.00000°. M_o3.60000×10^{14}
IDC Error ellipse: s-maj=20.7km s-min=9.4km az=28.0.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=9.0km az=159.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s209.00000°,δ57.00000°,λ103.00000°. NP2: ϕ_s5.00000°,δ35.00000°,λ70.00000°. Principal axes: T Plg74.0000°,Azm155.0000° ; N Plg11.0000°,Azm21.0000°; P Plg11.0000°,Azm289.0000°

(38) Off coast of California

ISC	**I**	**29 08 41 58.3–.85**	**32.70N–.03**	**118.18W–.03**	**16–4**	**4.1b,4.0s**	**105**	**0-101**
BJI	I	29 08 41 56.0	32.70N	118.20W	10	5.3b,4.8s		**¶11667156**
ISCJB	I	29 08 41 59.8–.56	32.75N–.03	118.21W–.03	22–4	4.1b,3.9s		
NEIC	I	29 08 41 59.0	32.73N	118.22W	0	4.2L,3.9s		
ECX	I	29 08 41 59.9–.58	32.71N	118.23W	18–4	4.1,4.0L		
IDC	I	29 08 42 02.2–1.9	32.89N	117.98W	0	3.5b,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.5km az=38.5.
NEIC Event type fe. Felt [II] at Aliso Viejo, Avalon, Corona del Mar, Costa Mesa, Irvine, Laguna Beach, Laguna Hills, Laguna Niguel, Lake Forest, Mission Viejo, Newport Beach, Newport Coast, Orange, San Clemente, San Juan Capistrano and Santa Ana. Felt in Orange and western San Diego Counties. After PAS.
ECX Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=26.3km s-min=15.6km az=67.0.

(137) San Juan Province

ISC	**I**	**29 16 38 41.2–1.5**	**31.38S–.04**	**68.9W–.20**	**139–18**		**52**	**2-55**
ISCJB	I	29 16 38 39.6–.82	31.39S–.04	68.8W–.10	139–16	4.4b		**¶13989271**
NEIC	I	29 16 38 39.5–.75	31.39S	68.57W	111–15	4.4b,4.2		
GUC	I	29 16 38 39.9–.61	31.38S	68.90W	150	4.2L,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.0km s-min=5.4km az=173.2.
NEIC Event type fe. Error ellipse: s-maj=15.7km s-min=6.9km az=77.0. Felt [III] at San Juan.
GUC Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.

(460) Wyoming

ISC	**I**	**29 19 05 44.4–.62**	**43.66N–.02**	**105.29W–.02**	**0**		**151**	**0-61**
IDC	I	29 19 05 42.4–2.5	43.38N	105.24W	0	4.2b,4.0		**¶12082686**

ISCJB I 29 19 05 44.4–.18 43.67N–.01 105.28W–.02 0 4.3b,4.0
NEIC I 29 19 05 44.7–.43 43.68N 105.21W 0 3.2L,4.0
ISC Event type fm.
IDC Error ellipse: s-maj=57.3km s-min=8.7km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.8km az=168.6.
NEIC Event type fm. Error ellipse: s-maj=6.9km s-min=5.0km az=140.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.
(160) Off east coast of North Island
ISC I 29 19 14 13.7–.87 37.79S–.04 177.60E–.04 51–7 4.1b 49 0-155
ISCJB I 29 19 14 12.9–.57 37.79S–.05 177.60E–.06 61–5 4.0b **¶11752495**
WEL I 29 19 14 14.5–.20 37.74S 177.58E 44–3 4.5L
NEIC I 29 19 14 14.6 37.77S 177.58E 41 4.5L
IDC I 29 19 14 14.9–9.0 38.14S 177.31E 56–73 4.1,4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=7.3km az=147.6.
WEL Event type fe. Error ellipse: s-maj=1.4km s-min=1.0km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
IDC Error ellipse: s-maj=59.4km s-min=40.3km az=47.0.
(38) Off coast of California
ISC I 29 19 20 00.9–1.2 32.70N–.05 118.21W–.05 10 32 0-3
ISCJB I 29 19 20 00.5–.67 32.69N–.04 118.21W–.04 10 **¶13989270**
NEIC I 29 19 20 02.4 32.73N 118.23W 10 3.1L
ECX I 29 19 20 02.0–.50 32.67N 118.27W 20–5 3.1,3.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=3.5km az=40.6.
NEIC Event type fe. Felt at Aliso Viejo and El Cajon. Also felt at Tijuana, Baja California. After PAS.
ECX Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.
(230) Near south coast of eastern Honshu
ISC I 29 19 59 41.4–.66 35.62N–.04 139.53E–.05 33–3 3.8b 29 0-77
NIED I 29 19 59 00 35.70N 139.50E 29 3.8W **¶12082691**
ISCJB I 29 19 59 40.3–.59 35.53N–.05 139.71E–.07 46–4 3.6b
JMA I 29 19 59 41.6–.10 35.65N 139.54E 27–2 3.9
IDC I 29 19 59 41.2–.64 35.50N 139.47E 35–5 3.7,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ52.00000°,λ82.00000°. NP2:ϕ_s238.00000°,δ39.00000°,λ100.00000°. $M_0$5.07000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=8.4km az=0.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=14.4km az=94.0.
(256) Leyte
ISC I 29 22 43 45.4–.26 11.00N–.03 124.78E–.04 10 5.2b,5.0s 335 0-166
ISCJB I 29 22 43 43.7–.19 10.96N–.02 124.98E–.03 10 5.1b,4.9s **¶11656313**
IDC I 29 22 43 44.6–.39 11.00N 124.97E 0 4.9,4.9s
MAN I 29 22 43 45 10.96N 124.75E 4 5.7b,5.1s
NEIC I 29 22 43 45.1–.23 10.97N 124.96E 8 5.4W,5.4W
MOS I 29 22 43 47.0–1.3 10.95N 124.92E 33 5.5b,4.9s
BJI I 29 22 43 47.8 10.79N 125.06E 57 5.3s,5.3b
DJA I 29 22 43 53 10.97N 125.10E 67 5.1W,5.3b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.1km az=174.2.
IDC Error ellipse: s-maj=16.4km s-min=9.4km az=74.0.
MAN Event type fe. INTENSITY VI - ALBUERA PASTRANA BURAUEN LEYTE; INTENSITY V - PALO LEYTE; ORMOC CITY; INTENSITY IV - LA PAZ.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=5.2km az=82.0. Felt [VI PIVS] at Albuera and Pastrana; [V PIVS] at Ormoc and Palo; [IV PIVS] at Abuyog, Dulag and La Paz; [III PIVS] at Mahaplag. Also felt at Baybay and Tanauan. Felt [II PIVS] at Cebu City, Cebu. Also felt at Compostela, Mandaue City, Minglanilla and Talisay. Felt [II PIVS] at Borongan and Catarman, Samar and [I PIVS] at Iloilo, Panay. Moment Tensor Solution. s15
Moment tensor: Scale 10^{17}Nm; M_{rr}0.53 $M_{\theta\theta}$0.93 $M_{\phi\phi}$-1.46 $M_{r\theta}$0.03 $M_{\theta\phi}$0.42 $M_{\phi r}$0.40
Best double couple: NP1:ϕ_s125.00000°,δ74.00000°,λ1.00000°. NP2:ϕ_s34.00000°,δ89.00000°,λ164.00000°. Principal axes: T 1.0200,Plg12.0000°,Azm348.0000°; N 0.5800,Plg73.0000°,Azm210.0000°; P -1.6000,Plg10.0000°,Azm80.0000° $M_0$1.40000×10^{17}
MOS Error ellipse: s-maj=11.7km s-min=5.6km az=111.7.
(256) Leyte
ISC I 29 22 49 58.8–1.3 10.98N–.08 124.9E–.10 14–10 4.1b 17 0-60
ISCJB I 29 22 49 57.8–.82 10.99N–.06 124.9E–.10 22–7 4.0b **¶12082698**
IDC I 29 22 49 57.0–2.2 10.44N 123.68E 0 4.0,3.9b
MAN I 29 22 49 57 10.87N 124.65E 1 5.0b,4.0s
NEIC I 29 22 49 59.9–1.0 11.02N 124.89E 10 4.2b,4.0s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.9km s-min=9.3km az=9.6.
IDC Error ellipse: s-maj=271.4km s-min=18.3km az=64.0.
MAN Event type fe. INTENSITY IV - ALBUERA LEYTE.
NEIC Event type fe. Error ellipse: s-maj=25.6km s-min=10.0km az=100.0. Felt [IV PIVS] at Albuera.
(256) Leyte
MAN I 29 23 08 01 11.04N 124.82E 11 4.4b,3.2L
¶14716523
MAN Event type fe. INTENSITY IV - ALBUERA LEYTE.
(256) Leyte
MAN I 29 23 12 45 11.10N 124.76E 24 4.4b,3.3L
NEIC I 29 23 12 59.7–1.3 11.12N 124.37E 10 4.1b,3.3L **¶13989267**
MAN Event type fe. INTENSITY IV - ALBUERA LEYTE.
NEIC Event type fe. Error ellipse: s-maj=26.8km s-min=11.0km az=106.0. Felt [IV PIVS] at Albuera.
(256) Leyte
MAN I 29 23 41 20 10.91N 124.82E 1 4.3b,3.1L
¶14716525
MAN Event type fe. INTENSITY III - ALBUERA LEYTE.
(256) Leyte
ISC I 30 01 24 36.0–.94 11.02N–.04 124.78E–.04 11–6 4.3b 44 0-94
IDC I 30 01 24 34.1–.97 11.09N 124.96E 0 4.1,4.0 **¶12082704**
ISCJB I 30 01 24 35.9–.48 11.05N–.03 124.80E–.04 19–4 4.2b,3.4s
MAN I 30 01 24 35 10.94N 124.79E 1 4.9b,3.9s
NEIC I 30 01 24 35.8–.34 11.09N 124.96E 10 4.6b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=50.8km s-min=18.6km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=10.3.
MAN Event type fe. INTENSITY IV - ALBUERA LEYTE.
NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=7.5km az=68.0. Felt [IV PIVS] at Albuera.
(256) Leyte
MAN I 30 01 44 59 11.07N 124.77E 19 4.5b,3.4L
¶14716528
MAN Event type fe. INTENSITY III - ALBUERA LEYTE.
(256) Leyte
MAN I 30 03 44 20 10.93N 124.80E 4 4.5b,3.4L
¶14716530
MAN Event type fe. INTENSITY III - ALBUERA LEYTE.
(337) Eastern Caucasus
ISC I 30 05 47 51.9–.97 43.11N–.03 47.21E–.02 13–6 3.8b 179 0-74
IDC I 30 05 47 50.9–.63 43.04N 47.04E 0 3.9,3.8 **¶12082719**
MOS I 30 05 47 50.9–1.3 43.10N 47.27E 13 4.5b,3.8
CSEM I 30 05 47 51.6–.25 43.26N 47.14E 2 3.8b,3.8
AZER I 30 05 47 54.9 43.10N 47.14E 47 3.8b,3.8
NNC I 30 05 47 54.2–2.4 43.73N 47.03E 0 4.4,3.8b
ISC Event type fe.
IDC Error ellipse: s-maj=16.5km s-min=8.7km az=132.0.
MOS Event type fe. Error ellipse: s-maj=5.2km s-min=4.7km az=82.5. Felt (IV) at Korkmaskala; (II-III) at Makhachkala. Moment Tensor Solution.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=103.0.
NNC Error ellipse: s-maj=62.0km s-min=18.3km az=166.0.
(256) Leyte
MAN I 30 06 07 13 11.08N 124.96E 8 4.1b,2.9L
¶14716531
MAN Event type fe. INTENSITY III - ALBUERA LEYTE.
(162) South Island
ISC I 30 08 26 56.6–.97 42.80S–.03 172.46E–.03 9–6 4.2b,3.5s 105 0-154
IDC I 30 08 26 55.1–1.1 42.78S 172.58E 0 4.4,4.3 **¶11713956**
ISCJB I 30 08 26 56.2–.48 42.81S–.03 172.44E–.04 14–4 4.2b,3.6s
WEL I 30 08 26 57.6–.15 42.74S 172.38E 8–1 4.8L,3.6s
NEIC I 30 08 26 57.3 42.75S 172.43E 6 4.8L,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=31.2km s-min=15.5km az=134.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.4km az=135.9.
WEL Event type fe. Error ellipse: s-maj=1.6km s-min=0.9km az=90.0. Felt from West Coast to Canterbury, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
(256) Leyte
MAN I 30 10 25 37 10.93N 124.77E 1 4.1b,2.9s
¶14716536
MAN Event type fe. INTENSITY II - ALBUERA LEYTE.
(256) Leyte
MAN I 30 12 09 38 10.94N 124.79E 1 4.3b,3.1L
¶14716537
MAN Event type fe. INTENSITY II - ALBUERA LEYTE.
(256) Leyte
ISC I 30 13 17 53.8–1.1 10.97N–.04 124.78E–.05 8–7 4.0b,3.1s 33 0-95
IDC I 30 13 17 52.0–1.1 10.98N 124.96E 0 3.9,3.8 **¶12082739**
MAN I 30 13 17 52 11.01N 124.83E 3 4.9b,3.9s
ISCJB I 30 13 17 53.4–.52 11.04N–.04 124.78E–.05 20–4 3.9b,3.2s
NEIC I 30 13 17 53.6–.64 11.06N 124.99E 10 4.3b,3.2s
ISC Event type fe.
IDC Error ellipse: s-maj=68.1km s-min=16.1km az=65.0.
MAN Event type fe. INTENSITY IV - ALBUERA LEYTE; INTENSITY III -ORMOC CITY.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=6.3km az=176.4.
NEIC Event type fe. Error ellipse: s-maj=39.8km s-min=8.6km az=64.0. Felt [IV PIVS] at Albuera and [III PIVS] at Ormoc.
(29) Washington
ISC I 30 13 25 03.4–.42 47.80N–.03 122.51W–.03 53–3 4.6b,3.4s 894 0-149
IDC I 30 13 24 57.7–.49 47.89N 122.30W 0 4.5,4.3 **¶13434081**
BJI I 30 13 25 01.0 47.80N 122.60W 40 5.2s,5.2b
ISCJB I 30 13 25 03.2–.11 47.87N–.01 122.43W–.02 60–1 4.5b,3.9s
NEIC I 30 13 25 03.0 47.77N 122.56W 58 4.6b,4.6W
PNSN I 30 13 25 03.6 47.79N 122.57W 63 4.5,4.6W
PGC I 30 13 25 03.4–.03 47.80N 122.67W 71–0 4.6W,4.4L
ISC Event type fe.
IDC Error ellipse: s-maj=16.5km s-min=8.0km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=136.0.
NEIC Event type fe. Felt [III] at Bremerton and [II] at Anacortes, Arlington, Auburn, Bainbridge Island, Belfair, Bellevue, Bellingham, Bonney Lake, Bothell, Buckley, Burlington, Camano Island, Carnation, Chimacum, Cle Elum, Clinton, Concrete, Coupeville, Darrington, Duvall, Eastsound, Eatonville, Edmonds, Enumclaw, Everett, Fall City, Federal Way, Fox Island, Freeland, Friday Harbor, Gig Harbor, Gold Bar, Granite Falls, Greenbank, Hansville, Index, Issaquah, Kenmore, Kent, Kingston, Kirkland, La Conner, Lacey, Lake Stevens, Lakebay, Lakewood, Langley, Leavenworth, Lynnwood, Maple Valley, Marysville, Mercer Island, Monroe, Mount Vernon, Mountlake Terrace, Mukilteo, Nordland, North Bend, Oak Harbor, Olalla, Olympia, Orting, Pacific, Port Angeles, Port Hadlock, Port Ludlow, Port Orchard, Port Townsend, Poulsbo, Puyallup, Quilcene, Redmond, Renton, Sammamish, Seabeck, Seattle, Sedro Woolley, Sequim, Silverdale, Snohomish, Snoqualmie, Spanaway, Stanwood, Sultan, Tacoma, University Place, Vashon and Woodinville. Felt in much of western Washington and as far east as Spokane. Also felt in the Portland area as far south as Salem, Oregon. Felt [II] at Abbotsford, Duncan, Nanaimo, Sooke, Vancouver, Victoria and White Rock, British Columbia. After SEA. Moment Tensor Solution. $M_0$6.80000×10^{15} Moment Tensor Solution. $M_0$1.00000×10^{16}
PNSN Moment Tensor Solution. NP1:ϕ_s220.00000°,δ85.00000° NP2:ϕ_s310.00000°,δ90.00000° Principal axes: T Plg4.0000°,Azm175.0000°; P Plg4.0000°,Azm85.0000°
PGC Event type fe. 34km Wnw of Seattle, Wa Washington Felt (II-III) in Greater Victoria and Vancouver area.
(256) Leyte
MAN I 30 13 46 52 11.11N 124.72E 23 4.2b,3.0L
¶14716539
MAN Event type fe. INTENSITY II - ORMOC CITY.
(460) Wyoming
ISC I 30 15 45 05.1–.74 43.72N–.02 105.31W–.03 0 94 0-20
IDC I 30 15 45 03.4–2.4 43.33N 105.28W 0 3.5,3.2 **¶12082747**
ISCJB I 30 15 45 04.0–.26 43.71N–.02 105.27W–.03 0 3.5,3.2
NEIC I 30 15 45 05.7–.73 43.67N 105.22W 0 2.8L,3.2
ISC Event type fm.
IDC Error ellipse: s-maj=50.9km s-min=9.0km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=3.2km s-min=2.6km az=173.3.
NEIC Event type fm. Error ellipse: s-maj=12.1km s-min=8.3km az=143.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.
(256) Leyte
ISC I 30 17 07 51.9–1.4 11.01N–.05 124.74E–.04 0–10 3.8b,3.2s 24 0-91
ISCJB I 30 17 07 51.6–.64 11.03N–.05 124.73E–.04 9–4 3.8b,3.4s **¶12082751**
MAN I 30 17 07 51 10.99N 124.73E 1 5.1b,4.2s
IDC I 30 17 07 52.8–.93 10.82N 124.23E 0 3.8,3.6
NEIC I 30 17 07 54.2–.52 10.80N 124.18E 10 4.2b,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=6.9km az=165.0.
MAN Event type fe. INTENSITY IV - ORMOC CITY.
IDC Error ellipse: s-maj=73.0km s-min=17.9km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=44.7km s-min=10.1km az=68.0. Felt [IV PIVS] at Albuera and Ormoc; [III PIVS] at Tacloban.
(224) Hokkaido region
ISC I 30 19 07 24.9–.49 42.38N–.04 143.65E–.05 54–4 4.0b 128 0-115
NIED I 30 19 07 00 42.40N 143.70E 32 4.0W **¶11657482**
BJI I 30 19 07 21.4 42.31N 143.99E 49 4.7b,4.1b
MOS I 30 19 07 22.9–.95 42.34N 143.66E 59 4.3b,4.1b
ISCJB I 30 19 07 23.3–.42 42.35N–.04 143.70E–.06 60–3 4.1b,4.1b
NEIC I 30 19 07 24.9–.31 42.38N 143.64E 58 4.4b,4.1b
JMA I 30 19 07 24.5–.10 42.37N 143.59E 55–2 4.2,4.1b
IDC I 30 19 07 25.6–.67 42.40N 143.66E 60–6 3.8,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ80.00000°,λ-139.00000°. NP2:ϕ_s213.00000°,δ50.00000°,λ-13.00000°. $M_0$1.05000×10^{15}
MOS Error ellipse: s-maj=11.8km s-min=7.7km az=74.7.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.4km az=35.1.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.0km az=131.0. Recorded [3 JMA] in southern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=13.7km s-min=8.7km az=64.0.
(228) Near east coast of eastern Honshu
ISC I 30 21 03 59.0–.73 35.71N–.05 140.23E–.05 66–7 4.2b 86 0-79
ISCJB I 30 21 03 57.8–.40 35.66N–.03 140.24E–.05 74–3 4.0b **¶12082763**
NEIC I 30 21 03 57.7–.57 35.57N 140.31E 60–5 4.5b,3.9W
JMA I 30 21 03 58.3–.10 35.72N 140.22E 67–2 3.3,3.9W
IDC I 30 21 03 58.1–2.0 35.58N 140.28E 60–17 3.8,3.7
NIED I 30 21 04 00 35.70N 140.30E 71 4.0W,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=5.5km az=0.7.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.7km az=95.0. Moment Tensor Solution. $M_0$1.00000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s41.00000°,δ89.00000°,λ89.00000°. NP2:ϕ_s277.00000°,δ2.00000°,λ146.00000°. Principal axes: T Plg46.0000°,Azm309.0000°; N Plg1.0000°,Azm41.0000°; P Plg44.0000°,Azm132.0000°
IDC Error ellipse: s-maj=22.5km s-min=14.4km az=74.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ62.00000°,λ100.00000°. NP2:ϕ_s175.00000°,δ29.00000°,λ72.00000°. $M_0$1.01000×10^{15}
(303) Kashmir-India border region
ISC I 31 03 07 16.0–1.2 32.51N–.05 76.49E–.04 12–8 4.0b 118 0-87
IDC I 31 03 07 14.4–.72 32.46N 76.49E 0 4.1,4.0 **¶13434088**
ISCJB I 31 03 07 15.9–1.4 32.48N–.03 76.51E–.03 15–9 4.0b,2.6s
NDI I 31 03 07 15.3–4.8 32.59N 76.40E 15–188 3.9b,3.8L
NEIC I 31 03 07 19.8–.57 32.53N 76.56E 36–6 3.9b,3.8L
NNC I 31 03 07 27.7–1.9 33.68N 76.25E 0 3.8b,3.8L
ISC Event type fe.
IDC Error ellipse: s-maj=18.9km s-min=14.2km az=47.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=40.7.
NDI Error ellipse: s-maj=193.7km s-min=109.3km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=4.2km az=48.0. Felt at Kangra.
NNC Error ellipse: s-maj=22.7km s-min=12.6km az=133.0.

(259) Mindanao

ISC	**I**	**31 04 05 39.4–.37**	**8.71N–.03**	**126.35E–.06**	**101–2**	**4.4b**	**170**	**1-145**
BJI	I	31 04 05 36.3	8.37N	126.45E	112	4.9b,4.4b		**¶11667180**
MAN	I	31 04 05 37	8.66N	126.36E	117	5.3b,4.5s		
IDC	I	31 04 05 38.5–.53	8.79N	126.40E	94–4	4.1,4.0		
ISCJB	I	31 04 05 38.3–.56	8.70N–.03	126.34E–.06	107–4	4.4b,4.0		
NEIC	I	31 04 05 39.7–1.2	8.74N	126.31E	106–10	4.6b,4.0		

ISC Event type fe.
MAN Event type fe. INTENSITY II - BISLIG CITY.
IDC Error ellipse: s-maj=15.1km s-min=6.9km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=4.7km az=161.5.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=5.3km az=60.0. Felt [II PIVS] at Bislig.

(613) Hawaiian Islands

NEIC	**I**	**31 05 17 06.0**	**19.35N**	**155.05W**	**10**	**3.5**		**¶11667182**

NEIC Event type fe. Felt [II] at Hilo, Kea'au, Kurtistown, Pahoa and Volcano. Also felt at Hakalau, Hawaii National Park, Honoka'a, Mountain View, Ninole, Pa'auilo, Papa'ikou and Pepeekeo. After HVO.

(706) Northern Sumatera

ISC	**I**	**31 06 35 13.5–.36**	**5.04N–.05**	**94.68E–.05**	**62**	**4.8b**	**417**	**1-142**
BJI	I	31 06 35 09.5	4.61N	94.70E	76	5.1b,4.9b		**¶11657497**
MOS	I	31 06 35 11.8–.97	5.13N	94.86E	58	5.2b,4.9b		
ISCJB	I	31 06 35 11.9–.22	5.04N–.04	94.79E–.03	59	4.8b,3.8s		
IDC	I	31 06 35 12.2–.65	5.05N	94.77E	49–4	4.4,4.4		
SZGRF	I	31 06 35 14.1	4.69N	95.27E	86	5.1b,4.4		
NEIC	I	31 06 35 15.3–1.2	5.01N	94.82E	78–10	4.8b,4.4		
DJA	I	31 06 35 15	5.16N	94.95E	51	4.7,4.4		

ISC Event type fe.
MOS Error ellipse: s-maj=12.0km s-min=5.3km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.0km az=22.3.
IDC Error ellipse: s-maj=18.8km s-min=11.8km az=47.0.
SZGRF Northern Sumatera, Indonesia.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=4.8km az=51.0. Felt at Banda Aceh.

(99) Northern Colombia

ISC	**I**	**31 10 42 34.6–.49**	**6.79N–.04**	**72.95W–.06**	**166–4**	**4.2b**	**208**	**1-150**
ISCJB	I	31 10 42 33.8–.39	6.77N–.04	72.92W–.04	172–3	4.0b		**¶11667186**
FUNV	I	31 10 42 34.5	6.77N	73.10W	170	3.7W		
IDC	I	31 10 42 34.4–.67	6.79N	72.93W	162–6	3.9,3.7b		
NEIC	I	31 10 42 34.8–.35	6.65N	73.15W	168	4.4b,3.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=6.0km az=27.8.
IDC Error ellipse: s-maj=14.0km s-min=10.1km az=89.0.
NEIC Event type fe. Error ellipse: s-maj=10.4km s-min=6.8km az=67.0. Felt at Pamplona.

(58) Near coast of Guerrero

ISC	**I**	**31 13 24 58.6–.39**	**17.85N–.03**	**101.80W–.03**	**27–2**	**5.1b,4.5s**	**839**	**0-145**
NEIC	I	31 13 24 57.9	17.66N	101.94W	4	5.2b,5.2		**¶13434096**
ISCJB	I	31 13 24 58.0–.42	17.69N–.03	101.90W–.02	40–3	5.0b,4.4s		
BJI	I	31 13 24 58.7	18.43N	100.97W	25	5.4b,5.3b		
MEX	I	31 13 24 58.0–.38	17.66N	101.94W	5–2	5.1,5.3b		
IDC	I	31 13 24 59.1–.72	17.95N	101.59W	25–3	4.6,4.5		
SZGRF	I	31 13 25 11.1	17.88N	101.63W	33	4.9b,4.5		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Ixtapa, [III] at Zihuatanejo and [II] at Mexico. Also felt at Acapulco, Buenavista, La Union, Lazaro Cardenas and Patzcuaro. After MEX.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.2km az=30.0.
MEX Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0.
IDC Error ellipse: s-maj=20.9km s-min=12.6km az=59.0.
SZGRF Near coast of Guerrero, Mexico.

(122) Near coast of northern Chile

ISC	**I**	**31 14 40 14.6–.24**	**22.95S–.03**	**70.04W–.05**	**45**	**5.1b,4.2s**	**746**	**0-175**
MOS	I	31 14 40 12.4–1.0	22.93S	70.18W	33	5.5b,4.2s		**¶11657512**
ISCJB	I	31 14 40 13.5–.18	22.93S–.03	69.99W–.04	48	5.0b,4.2s		
NEIC	I	31 14 40 14.9	22.88S	70.27W	55	5.1b,4.2s		
GUC	I	31 14 40 14.9–.45	22.88S	70.27W	55–3	5.3L,4.2s		
IDC	I	31 14 40 14.8–.44	22.93S	70.10W	46–3	4.6,4.6		
BJI	I	31 14 40 17.7	22.90S	69.90W	51	5.5s,5.3		

ISC Event type fe.
MOS Error ellipse: s-maj=18.2km s-min=7.8km az=109.4.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=9.3.
NEIC Event type fe. Felt [III] at Mejillones and [II] at Antofagasta, Maria Elena, Sierra Gorda and Tocopilla. After GUC.
GUC Error ellipse: s-maj=2.1km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=14.4km s-min=10.5km az=50.0.

(123) Northern Chile

ISC	**I**	**31 16 29 36.7–.20**	**19.47S–.03**	**69.16W–.04**	**105**	**5.4b**	**1577**	**1-172**
ISCJB	I	31 16 29 35.7–.17	19.37S–.03	69.13W–.03	102	5.4b		**¶11657514**
NEIC	I	31 16 29 36.9–.16	19.41S	69.07W	102	5.4b,5.4W		
GUC	I	31 16 29 36.7–.38	19.63S	69.44W	100–3	5.6L,5.4W		
LDG	I	31 16 29 37.4–.37	19.26S	69.02W	106	5.1b,4.2s		
IDC	I	31 16 29 37.1–.34	19.49S	69.16W	106–2	5.0,5.0		
MOS	I	31 16 29 37.4–1.1	19.05S	69.04W	105	5.4b,5.0		
BJI	I	31 16 29 38.7	19.40S	69.00W	102	5.5b,5.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=34.1.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.8km az=51.0. Felt [IV] at Alto Hospicio, Camina, Huara, Iquique, Pica and Pozo Almonte; [III] at Arica, Camarones and Pisagua. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.79 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$1.04 $M_{r\theta}$-0.58 $M_{\theta\phi}$0.06 $M_{\phi r}$-1.30 Best double couple: NP1:ϕ_s159.00000°,δ20.00000°,λ-131.00000°. NP2:ϕ_s21.00000°,δ75.00000°,λ-76.00000°. Principal axes: T 1.7700,Plg28.0000° ,Azm100.0000°; N -0.1300,Plg13.0000°,Azm197.0000°; P -1.6400,Plg58.0000° ,Azm309.0000° M_o1.70000×10^{17}
GUC Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=22.1km s-min=12.5km az=34.0.
IDC Error ellipse: s-maj=9.2km s-min=8.2km az=45.0.
MOS Error ellipse: s-maj=15.6km s-min=6.5km az=115.2.

(39) Central California

ISC	**I**	**31 21 09 21.8–.49**	**35.42N–.02**	**117.76W–.02**	**11–3**	**3.8b**	**128**	**0-99**
BJI	I	31 21 09 18.5	35.40N	117.80W	7	5.3b,5.0s		**¶11667192**
IDC	I	31 21 09 21.9–1.7	35.40N	117.63W	0	3.8,3.7L		
NEIC	I	31 21 09 22.6	35.41N	117.79W	8	4.0W,3.7L		

ISC Event type fe.
IDC Error ellipse: s-maj=24.7km s-min=11.4km az=60.0.
NEIC Event type fe. Felt [II] at California City and Ridgecrest. Also felt at Apple Valley, Caliente, Cantil, Canyon Country, Colton, Desert Hot Springs, Edwards, Huntington Beach, Inyokern, Lancaster, Los Angeles, Marina del Rey, Mojave, Monrovia, Rosamond, San Gabriel, San Jacinto, Santa Clarita, Santa Monica, Santa Paula, Tehachapi, Trona and Victorville. After PAS. Moment Tensor Solution. M_o1.20000×10^{15}

(228) Near east coast of eastern Honshu

ISC	**I**	**31 21 51 52.1–.19**	**36.75N–.03**	**141.22E–.02**	**35**	**5.6b,5.5s**	**2587**	**0-165**
BJI	I	31 21 51 49.6	36.75N	141.17E	32	5.8b,5.7b		**¶12933595**
MOS	I	31 21 51 50.0–.98	36.78N	141.31E	33	5.7b,5.4s		
JMA	I	31 21 51 51.8–.10	36.72N	141.28E	47–2	5.8,5.4s		
ISCJB	I	31 21 51 51.6–.08	36.75N–.02	141.22E–.01	39	5.6b,5.4s		
IDC	I	31 21 51 52.9–.50	36.74N	141.31E	42–4	5.4,5.3		
DJA	I	31 21 51 52	36.50N	141.15E	10	5.9W,5.3		
NEIC	I	31 21 51 52.2–.09	36.72N	141.15E	34	5.7W,5.7W		
SZGRF	I	31 21 51 55.8	37.18N	141.78E	43	5.7s,5.5b		
BGS	I	31 21 51 59.1–2.3	37.12N	137.47E	33	5.7s,5.4b		
NIED	I	31 21 52 00	36.70N	141.40E	41	5.7W,5.4b		

ISC Event type fe.
MOS Error ellipse: s-maj=7.7km s-min=5.6km az=110.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.5km az=167.3.
IDC Error ellipse: s-maj=10.8km s-min=7.9km az=161.0.

NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=150.0. Felt [V] at Niiza, [III] at Sendai and Tsukuba and [II] at Tokyo. Also felt at Akiruno, Atsugi, Ayase, Choshi, Furukawa, Higashi-murayama, Inzai, Kawasaki, Koganei, Maebashi, Matsudo, Ryugasaki, Ujiie, Yokohama and Yokosuka. Recorded [4 JMA] in Fukushima and Ibaraki; [3 JMA] in Chiba, Gumma, Miyagi, Saitama and Tochigi; [2 JMA] in Aomori, Iwate, Kanagawa, Nagano, Niigata, Shizuoka, Yamagata and Yamanashi; [1 JMA] in Akita and Gifu. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s20.00000° ,δ80.00000°,λ100.00000°. NP2:ϕ_s155.00000°,δ14.00000°,λ45.00000°. Principal axes: T Plg54.0000°,Azm302.0000°; N Plg0.0000°,Azm0.0000°; P Plg34.0000°,Azm101.0000° Moment Tensor Solution. s78 Moment tensor: Scale 10^{17}Nm; M_{rr}1.12 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-1.53 $M_{r\theta}$1.81 $M_{\theta\phi}$-1.81 $M_{\phi r}$3.37 Best double couple: NP1:ϕ_s27.00000°,δ77.00000°,λ87.00000°. NP2:ϕ_s222.00000°,δ13.00000°,λ104.00000°. Principal axes: T 3.5200,Plg57.0000° ,Azm292.0000°; N 1.4900,Plg3.0000°,Azm27.0000°; P -5.0000,Plg31.0000°,Azm119.0000° M_o4.40000×10^{17} Moment Tensor Solution. M_o4.70000×10^{17}
SZGRF Near east coast of eastern Honshu, Japan.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ76.00000°,λ83.00000°. NP2:ϕ_s232.00000°,δ15.00000°,λ116.00000°. M_o4.65000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**I**	**31 21 58 17.4–1.6**	**36.7N–.10**	**140.7E–.10**	**32**	**3.8b**	**6**	**0-74**
IDC	I	31 21 58 13.1–1.7	36.55N	141.04E	0	3.9b,3.9		**¶12082865**
JMA	I	31 21 58 18.9–.10	36.73N	141.25E	45–2	3.6,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=41.7km s-min=26.8km az=81.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(218) Near east coast of Kamchatka Peninsula

ISC	**I**	**31 22 24 22.1–.36**	**53.33N–.03**	**160.02E–.03**	**62–2**	**4.5b**	**330**	**0-119**
BJI	I	31 22 24 17.9	53.69N	160.30E	58	5.1b,4.7s		**¶13434102**
MOS	I	31 22 24 20.7–1.1	53.58N	159.71E	56	4.5b,4.7s		
ISCJB	I	31 22 24 22.9–.32	53.39N–.03	159.85E–.06	80–2	4.3b,4.7s		
IDC	I	31 22 24 23.7–.55	53.60N	159.83E	67–4	4.1,4.0		
NEIC	I	31 22 24 23.8–.53	53.53N	159.75E	73–5	4.6b,4.0		
KRSC	I	31 22 24 24.1–.30	53.40N	159.97E	51–38	4.7L,4.0		

ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=10.1km s-min=6.8km az=76.7. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=2.4km az=33.6.
IDC Error ellipse: s-maj=14.6km s-min=6.0km az=154.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.8km az=151.0.
KRSC Event type se.

(219) Off east coast of Kamchatka Peninsula

ISC	**I**	**31 23 21 10.3–.39**	**52.76N–.04**	**160.25E–.03**	**41–3**	**4.5b**	**357**	**0-88**
BJI	I	31 23 21 08.6	53.26N	160.00E	39	5.0b,4.5s		**¶13434104**
SZGRF	I	31 23 21 09.8	52.29N	159.83E	33	4.8b,4.4s		
MOS	I	31 23 21 09.9–1.2	52.82N	160.08E	48	4.6b,4.4s		
IDC	I	31 23 21 10.1–.62	52.92N	160.03E	31–4	4.2L,4.2		
KRSC	I	31 23 21 11.6–.30	52.85N	160.18E	41–20	4.7L,4.2		
NEIC	I	31 23 21 11.9–.73	52.89N	160.07E	50–6	4.5b,4.2		
ISCJB	I	31 23 21 11.5–.47	52.84N–.03	160.04E–.05	58–3	4.4b,4.2s		

ISC Event type fe.
SZGRF Off east coast of Kamchatka Peninsula, Russia.
MOS Event type fe. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
NEIC Event type se.
ISCJB Event type fe.

(364) Greece

ISC	**II**	**01 00 57 07.3–.47**	**38.52N–.01**	**20.26E–.01**	**16–2**	**4.7b,4.1s**	**1279**	**0-122**
LDG	II	01 00 57 03.6–.27	38.70N	20.49E	10	4.9b,3.4s		**¶13434111**
IDC	II	01 00 57 04.7–.42	38.56N	20.39E	0	4.6,4.6		
SZGRF	II	01 00 57 04.2	38.13N	20.32E	33	4.6,4.6		
ISCJB	II	01 00 57 06.0–.31	38.58N–.01	20.26E–.01	16–2	4.7b,4.0s		
THE	II	01 00 57 07.8	38.52N	20.34E	7–0	4.9L,4.0s		
ATH	II	01 00 57 07.7	38.51N	20.43E	22–0	4.8L,4.0s		
MOS	II	01 00 57 07.0–1.2	38.59N	20.28E	24	4.8b,3.9s		
BJI	II	01 00 57 07.7	38.50N	20.40E	31	5.1b,4.9s		
NEIC	II	01 00 57 07.6	38.51N	20.42E	22	4.8b,4.8L		
CSEM	II	01 00 57 07.8–.09	38.53N	20.29E	20	4.7b,4.5W		
HLW	II	01 00 57 07.2	38.56N	20.75E	33–26	4.7L,4.2		
BEO	II	01 00 57 08.4–.61	38.60N	20.03E	16–14	4.9L,4.2		
PDG	II	01 00 57 10.1–.41	38.91N	20.19E	2–3	4.9L,4.9		
TEH	II	01 00 57 11.0	38.56N	20.37E	35	4.7L,4.9		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=13.7km s-min=6.7km az=28.0.
IDC Error ellipse: s-maj=11.4km s-min=9.4km az=123.0.
SZGRF Greece.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=31.4.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=255.0.
ATH Error ellipse: s-maj=0.5km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=4.7km s-min=2.8km az=85.0.
NEIC Event type fe. Felt at Nidhrion. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=39.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=90.0.

(228) Near east coast of eastern Honshu

ISC	**II**	**01 05 43 40.9–.62**	**35.38N–.04**	**140.08E–.04**	**63–5**	**3.6b**	**45**	**0-118**
NIED	II	01 05 43 00	35.40N	140.10E	53	3.9W		**¶12699311**
ISCJB	II	01 05 43 40.0–.37	35.35N–.04	140.08E–.04	68–3	3.6b		
IDC	II	01 05 43 40.9–1.0	35.30N	140.02E	64–8	3.7,3.5		
JMA	II	01 05 43 40.5–.20	35.41N	140.08E	64–2	3.7,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s158.00000°,δ51.00000°,λ-81.00000°. NP2:ϕ_s324.00000°,δ39.00000°,λ-101.00000°. M_o9.25000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.6km az=42.1.
IDC Error ellipse: s-maj=18.5km s-min=17.8km az=45.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s334.00000°,δ52.00000°,λ-109.00000°. NP2: ϕ_s184.00000°,δ42.00000°,λ-67.00000°. Principal axes: T Plg5.0000°,Azm78.0000° ; N Plg15.0000°,Azm347.0000°; P Plg74.0000°,Azm186.0000°

(238) Ryukyu Islands

ISC	**II**	**01 07 08 59.3–.59**	**27.15N–.04**	**128.47E–.04**	**57–5**	**4.1b**	**105**	**0-92**
NIED	II	01 07 08 00	27.20N	128.40E	50	4.0W		**¶13434127**
MOS	II	01 07 08 58.6–1.0	27.17N	128.35E	68	4.4b		
ISCJB	II	01 07 08 58.3–.32	27.19N–.04	128.42E–.05	65–3	4.1b		
IDC	II	01 07 08 58.5–.78	27.20N	128.40E	47–9	3.9,3.9		
NEIC	II	01 07 08 59.8–.57	27.12N	128.41E	64–5	4.1b,3.9		
JMA	II	01 07 08 59.3	27.20N	128.43E	55–1	4.2,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s125.00000°,δ72.00000°,λ70.00000°. NP2:ϕ_s354.00000°,δ26.00000°,λ136.00000°. M_o1.31000×10^{15}
MOS Error ellipse: s-maj=15.5km s-min=9.4km az=104.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=3.7km az=42.5.
IDC Error ellipse: s-maj=18.4km s-min=16.0km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=7.2km az=110.0. Recorded [1 JMA] on Iheya-shima, Okinawa and Yoron-jima.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

(251) Samar

ISC	**II**	**01 09 08 56.8–.64**	**12.10N–.07**	**125.6E–.10**	**36**	**4.0b**	**38**	**1-148**
IDC	II	01 09 08 50.9–.70	11.98N	125.59E	0	4.0,3.9b		**¶12699322**
ISCJB	II	01 09 08 55.6–.64	12.19N–.06	125.7E–.10	36	3.9b,2.7s		
NEIC	II	01 09 08 56.3–.41	11.93N	125.53E	35	4.4b,2.7s		
MAN	II	01 09 08 57	12.14N	125.44E	23	4.0b,3.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=39.9km s-min=16.0km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=8.4km az=15.6.
NEIC Event type fe. Error ellipse: s-maj=22.9km s-min=9.1km az=70.0. Felt [III PIVS] at Can-Avid.
MAN Event type fe. INTENSITY III - CAN-AVID EASTERN SAMAR.

(229) Off east coast of Honshu

ISC	**II**	**01 09 32 48.1–.35**	**37.94N–.03**	**142.40E–.03**	**30–1**	**5.2b,4.8s**	**1206**	**1-156**
IDC	II	01 09 32 43.0–.37	37.91N	142.39E	0	5.2,5.2		**¶15537483**
JMA	II	01 09 32 45.8–.20	37.87N	142.50E	33–2	5.2,5.2		

MOS II 01 09 32 46.6–.76 38.10N 142.38E 27 5.4b,4.9s
ISCJB II 01 09 32 46.3–.64 37.89N–.02 142.43E–.02 30–4 5.2b,4.8s
BJI II 01 09 32 47.2 37.85N 142.13E 31 5.2b,5.1b
NEIC II 01 09 32 48.7–.43 37.88N 142.40E 38–3 5.1b,5.0W
SZGRF II 01 09 32 50.3 38.42N 143.34E 33 5.3b,5.0s
NIED II 01 09 33 00 37.90N 142.60E 26 5.0W,5.0s
DJA II 01 09 33 06 38.08N 142.51E 216 5.0b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=10.8km s-min=7.8km az=122.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=6.2km s-min=4.2km az=106.1.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.2km az=166.1.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=147.0. Felt at Ogawara. Recorded [2 JMA] in Fukushima, Iwate and Miyagi; [1 JMA] in Ibaraki, Tochigi and Yamagata. Moment Tensor Solution. $M_0$3.40000×10^{16}
SZGRF Off east coast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ62.00000°,λ103.00000°. NP2:ϕ_s180.00000°,δ31.00000°,λ66.00000°. $M_0$3.41000×10^{16}

(224) Hokkaido region

ISC II 01 10 19 16.9–.56 42.32N–.05 144.56E–.04 44–3 4.3b,3.9s 137 1-85
NIED II 01 10 19 00 42.30N 144.60E 26 4.1W,3.9s **¶11667207**
IDC II 01 10 19 10.2–.85 42.17N 144.56E 0 4.1,4.0
MOS II 01 10 19 14.6–1.5 42.25N 144.49E 47 4.4b,4.0
BJI II 01 10 19 14.6 42.29N 144.74E 45 5.1b,4.6s
JMA II 01 10 19 15.3 42.31N 144.56E 36–1 4.0,4.6s
ISCJB II 01 10 19 15.6–.62 42.32N–.04 144.53E–.05 48–4 4.2b,3.8s
NEIC II 01 10 19 16.6–.76 42.28N 144.55E 42–6 4.5b,4.0W
SKHL II 01 10 19 17.3–2.1 42.26N 144.50E 69–13 5.6b,2.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ63.00000°,λ119.00000°. NP2:ϕ_s152.00000°,δ39.00000°,λ46.00000°. $M_0$1.34000×10^{15}
IDC Error ellipse: s-maj=22.2km s-min=14.4km az=173.0.
MOS Error ellipse: s-maj=9.4km s-min=6.9km az=101.8.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.6km az=138.5.
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=6.5km az=138.0. Recorded [1 JMA] in eastern and southeastern Hokkaido. Moment Tensor Solution. $M_0$1.30000×10^{15}

(366) Turkey

ISC II 01 10 27 18.7–.47 40.45N–.01 42.31E–.01 13–2 4.4b,3.6s 490 1-80
BJI II 01 10 27 12.8 40.55N 41.69E 8 5.0b,4.8s **¶11667208**
NSSP II 01 10 27 14.5 40.43N 42.27E 5 4.5s,4.8s
IDC II 01 10 27 16.7–.61 40.36N 42.22E 0 4.1,4.1L
DDA II 01 10 27 16.7 40.45N 42.34E 10 4.4L,4.3
ISK II 01 10 27 16.2 40.48N 42.32E 2 4.4L,4.3
TIF II 01 10 27 16.6 40.47N 42.26E 10–2 4.4L,4.3
NEIC II 01 10 27 16.8 40.49N 42.33E 4 4.6b,4.4L
ISCJB II 01 10 27 17.5–.38 40.48N–.01 42.27E–.02 8–2 4.3b,3.7s
CSEM II 01 10 27 17.5–.12 40.46N 42.33E 2 4.4L,4.3W
MOS II 01 10 27 18.3–1.3 40.53N 42.17E 10 4.5b,4.3W
TEH II 01 10 27 22.4 40.45N 42.64E 80 4.4L,4.3W
ISC Event type fe.
IDC Error ellipse: s-maj=14.8km s-min=8.9km az=13.0.
DDA Event type ke.
NEIC Event type fe. Felt at Erzurum, Hopa, Narman and Sarikamis. Also felt at Bat'umi and Khelvach'auri, Georgia. After ISK. Moment Tensor Solution. $M_0$3.10000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.9km az=23.4.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=51.0.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=121.0.

(716) Kyrgyzstan

ISC II 01 11 25 39.5–.58 42.77N–.03 73.90E–.02 14–3 4.0b,3.0s 169 0-86
ISCJB II 01 11 25 36.2–.55 42.86N–.02 73.75E–.03 12–3 4.0b,3.1s **¶12699327**
NNC II 01 11 25 37.0–.23 42.96N 73.84E 0 4.7b,4.5
KNET II 01 11 25 37.9–.52 42.73N 73.90E 14–3 4.2L,4.5
IDC II 01 11 25 37.9–.57 42.83N 73.92E 0 4.5L,4.2
MOS II 01 11 25 38.8–1.9 42.89N 73.85E 24 4.1b,4.2
NEIC II 01 11 25 38.5–.39 42.77N 73.92E 10 4.5b,4.2
BJI II 01 11 25 41.1 42.81N 74.28E 15 4.6b,4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=36.9.
NNC Error ellipse: s-maj=3.3km s-min=1.2km az=8.0.
KNET Error ellipse: s-maj=4.2km s-min=2.3km az=134.0.
IDC Error ellipse: s-maj=9.6km s-min=5.5km az=32.0.
MOS Event type fe. Error ellipse: s-maj=7.5km s-min=5.6km az=98.8. Felt (III-IV) at Merke. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=6.1km az=223.0. Felt at Bishkek.

(256) Leyte

ISC II 01 20 33 46.4–1.5 10.98N–.03 124.78E–.04 2–10 4.3b,3.6s 82 0-94
IDC II 01 20 33 45.7–.73 10.92N 124.91E 0 4.2,4.1 **¶11677777**
MAN II 01 20 33 46 10.96N 124.76E 2 5.2b,4.4s
ISCJB II 01 20 33 48.0–.62 11.00N–.03 124.80E–.04 20–5 4.3b,3.6s
NEIC II 01 20 33 47.1–.40 10.88N 124.89E 10 4.9b,3.6s
BJI II 01 20 33 50.5 10.46N 125.11E 86 4.9b,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=27.2km s-min=15.5km az=72.0.
MAN Event type fe. INTENSITY III - ALBUERA LEYTE.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=5.8km az=10.6.
NEIC Event type fe. Error ellipse: s-maj=12.1km s-min=7.9km az=53.0. Felt [III PIVS] at Albuera and [I PIVS] at La Paz.

(228) Near east coast of eastern Honshu

ISC II 01 20 45 15.3–1.1 38.92N–.05 141.76E–.08 70–7 3.7b 31 0-59
ISCJB II 01 20 45 14.7–.72 38.93N–.04 141.72E–.08 76–4 3.6b **¶12699360**
IDC II 01 20 45 16.2–2.9 38.99N 141.87E 82–24 3.4,3.3
JMA II 01 20 45 16.0 38.94N 141.67E 69–1 3.5,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=5.5km az=20.0.
IDC Error ellipse: s-maj=41.1km s-min=21.3km az=83.0.
JMA Event type fe.

(256) Leyte

ISC II 01 21 05 19.2–.83 11.01N–.05 124.76E–.06 17 3.7s,3.4b 16 0-91
IDC II 01 21 05 15.2–2.0 11.66N 126.64E 0 4.7L,3.7 **¶12699362**
MAN II 01 21 05 17 11.11N 124.74E 10 4.7b,3.6s
ISCJB II 01 21 05 18.2–.63 11.07N–.05 124.74E–.05 17 3.6s,3.5b
ISC Event type fe.
MAN Event type fe. INTENSITY II - ALBUERA LEYTE; INTENSITY I -LA PAZ LEYET.
ISCJB Event type fe.

(76) Off coast of central America

ISC II 02 04 12 55.2–.96 12.58N–.05 89.50W–.05 43–8 4.6b,3.6s 344 1-148
CASC II 02 04 12 53.4–2.1 12.60N 89.50W 6–20 4.6b,4.2L **¶11667225**
ISCJB II 02 04 12 55.4–.69 12.63N–.05 89.38W–.05 58–4 4.5b,3.8s
IDC II 02 04 12 56.0–2.1 12.84N 89.25W 41–19 4.2,4.0
NEIC II 02 04 12 59.0–.83 12.78N 89.31W 72–8 4.6b,4.0
ISC Event type fe.
CASC Error ellipse: s-maj=15.4km s-min=6.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.1km az=36.2.
IDC Error ellipse: s-maj=30.7km s-min=10.9km az=42.0.
NEIC Event type fe. Error ellipse: s-maj=11.9km s-min=6.4km az=62.0. Felt at Ilopango and San Salvador.

(399) Ionian Sea

ISC II 02 04 13 35.0–.82 37.62N–.02 20.91E–.02 29–6 4.3b,3.6s 543 0-122
BJI II 02 04 13 33.5 37.82N 20.04E 54 5.1s,4.9b **¶13434182**
ATH II 02 04 13 34.1 37.61N 20.95E 17–1 3.9L,4.9b
THE II 02 04 13 34.4 37.62N 20.95E 0–3 4.0L,4.9b
NEIC II 02 04 13 34.1 37.61N 20.95E 17 4.5b,3.9L
CSEM II 02 04 13 34.4–.15 37.55N 20.84E 20 4.4b,3.9L
IDC II 02 04 13 36.7–2.0 37.60N 21.03E 41–19 3.9,3.8
MOS II 02 04 13 37.2–1.1 37.83N 20.88E 55 4.4b,3.8
PDG II 02 04 13 37.5–.33 37.86N 20.65E 20–3 3.8L,3.8
HLW II 02 04 13 38.9 37.55N 21.75E 21–18 4.2,4.0L
ISC Event type fe.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.8km az=227.0.
NEIC Event type fe. Felt at Ambelokipoi, Kalamakion and Planos, Greece. After ATH.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=39.0.
IDC Error ellipse: s-maj=15.8km s-min=11.9km az=153.0.
MOS Error ellipse: s-maj=10.9km s-min=5.5km az=69.6.
PDG Event type ke. Error ellipse: s-maj=3.5km s-min=1.9km az=90.0.

(710) Pakistan

ISC II 02 08 36 48.1–.37 27.18N–.04 66.45E–.03 15–1 5.0b,4.7s 601 7-147
IDC II 02 08 36 44.8–.46 27.09N 66.33E 0 4.7,4.7 **¶13434188**
BJI II 02 08 36 44.9 27.22N 66.21E 13 5.1s,5.1b
ISCJB II 02 08 36 45.7–.16 27.08N–.02 66.35E–.02 16 4.9b,4.7s
MOS II 02 08 36 48.8–.97 27.21N 66.37E 33 5.1b,4.5s
TEH II 02 08 36 48.0 27.30N 66.42E 10 5.0L,4.5s
NEIC II 02 08 36 51.0–.24 27.23N 66.32E 35 5.1b,4.5s
SZGRF II 02 08 36 54.5 27.54N 65.99E 33 5.3b,4.3s
DJA II 02 08 37 00 27.09N 66.64E 107 5.0b,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=9.9km s-min=8.0km az=8.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=178.5.
MOS Error ellipse: s-maj=6.2km s-min=4.0km az=109.2.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.5km az=0.0. Felt at Karachi and Hyderabad.
SZGRF Pakistan.

(159) North Island

ISC II 02 08 57 19.6–.91 40.65S–.03 175.10E–.03 63–6 95 0-152
ISCJB II 02 08 57 18.8–.32 40.68S–.03 175.15E–.04 75–4 3.6b **¶12082905**
WEL II 02 08 57 21.2–.05 40.62S 175.11E 46–1 4.2L
IDC II 02 08 57 22.1–8.3 40.74S 174.73E 65–65 3.6,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.3km az=33.4.
WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.4km az=90.0. Felt from Wanganui to Wellington, and from Nelson to Wairarapa, maximum. reported intensity MM 5.
IDC Error ellipse: s-maj=57.0km s-min=33.1km az=57.0.

(224) Hokkaido region

ISC II 02 10 28 53.3–1.0 42.51N–.06 144.15E–.06 57–8 3.5b 34 0-85
NIED II 02 10 28 00 42.60N 144.10E 59 3.6W **¶12699393**
IDC II 02 10 28 45.8–1.3 42.41N 144.18E 0 3.7,3.5
ISCJB II 02 10 28 52.8–.63 42.54N–.05 144.16E–.06 62–5 3.4b,3.5
JMA II 02 10 28 53.6–.10 42.59N 144.11E 65–1 3.5,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ52.00000°,λ73.00000°. NP2:ϕ_s33.00000°,δ41.00000°,λ110.00000°. $M_0$3.24000×10^{14}
IDC Error ellipse: s-maj=30.8km s-min=19.5km az=1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.7km az=143.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(543) Germany

ISC II 02 15 42 52.8–.82 47.13N–.01 9.49E–.01 14–6 309 0-8
ISCJB II 02 15 42 51.9–.20 47.12N–.01 9.49E–.01 10–1 **¶14368912**
GEN II 02 15 42 51.8 47.19N 9.50E 0 2.6L
VIE II 02 15 42 52.2–.47 47.12N 9.48E 8 3.1L,2.2b
CSEM II 02 15 42 52.7–.10 47.12N 9.48E 10 3.0L,2.2b
ZUR II 02 15 42 52.5 47.15N 9.53E -1–2 2.8L,2.2b
BGR II 02 15 42 53.8–.58 47.16N 9.53E 10 2.9L,2.2b
ROM II 02 15 42 53.9–1.6 47.04N 9.27E 5 2.4,2.1L
LEDBW II 02 15 42 53.9–.19 47.16N–.01 9.555E–.01 10–2 3.0L,2.1L
LDG II 02 15 42 53.4–.08 47.13N 9.55E 2 3.0L,3.0
STR II 02 15 42 54.8–.47 47.16N 9.43E 5 3.0L,3.0
PRU II 02 15 42 56.4 47.31N 9.70E 10 3.0L,3.0
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.7km az=174.1.
VIE Event type fe. Error ellipse: s-maj=3.1km s-min=1.9km az=58.0. 4 km WSW of Vaduz . felt 3-4 ems98 in Vorarlberg.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=174.0.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=26.0.
ROM Event type ke. Error ellipse: s-maj=18.5km s-min=8.1km az=142.0.
LEDBW Error ellipse: s-maj=4.4km s-min=2.4km az=176.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=84.0.
STR Event type ke.

(224) Hokkaido region

ISC II 02 16 03 15.4–.80 42.9N–.10 145.47E–.08 39–3 3.8b 35 1-77
NIED II 02 16 03 00 42.90N 145.50E 35 4.0W **¶13434196**
ISCJB II 02 16 03 14.4–1.0 42.86N–.08 145.48E–.08 48–6 3.8b,3.6s
MOS II 02 16 03 14.6–.92 42.72N 145.51E 60 4.2b,3.6s
JMA II 02 16 03 15.3–.10 42.89N 145.48E 44–1 3.8,3.6s
IDC II 02 16 03 16.0–1.5 42.99N 145.37E 38–7 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ71.00000°,λ81.00000°. NP2:ϕ_s235.00000°,δ21.00000°,λ115.00000°. $M_0$1.31000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=14.1km s-min=7.6km az=148.2.
MOS Error ellipse: s-maj=19.9km s-min=13.1km az=102.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=35.8km s-min=15.3km az=159.0.

(115) Near coast of Peru

ISC II 02 17 53 23.6–.60 13.63S–.04 76.59W–.05 34–2 5.7s,5.6b 1095 2-174
IDC II 02 17 53 18.4–.44 13.63S 76.70W 0 5.7,5.7s **¶11660452**
ISCJB II 02 17 53 20.4–.15 13.55S–.03 76.72W–.03 21 5.7s,5.5b
NEIC II 02 17 53 21.8–.16 13.58S 76.56W 21 6.0W,5.9W
MOS II 02 17 53 23.0–1.1 13.39S 76.59W 33 5.8b,5.6s
BJI II 02 17 53 24.2 13.50S 76.50W 35 6.0s,5.8b
ISC Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=10.5km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.8km az=136.8.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.5km az=57.0. Felt [V] at Pisco; [IV] at Chincha Alta and San Vicente de Canete; [III] at Huancavelica, Huancayo Lima and Nazca; [II] at Barranca. Also felt at Cerro de Pasco, Chilca, Chosica, Ica, Imperial, Mala, Marcona, Nuevo Imperial, Palpa, Ricardo Palma, San Luis, Santa Maria and Supe. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s104 Moment tensor: Scale 10^{17}Nm; M_{rr}4.04 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-4.05 $M_{r\theta}$-0.45 $M_{\theta\phi}$1.38 $M_{\phi r}$-4.17 Best double couple: NP1:ϕ_s326.00000° ,δ26.00000°,λ60.00000°. NP2:ϕ_s179.00000°,δ68.00000°,λ104.00000°. Principal axes: T 5.9600,Plg64.0000°,Azm111.0000°; N 0.0500,Plg12.0000°,Azm353.0000° ; P -6.0200,Plg21.0000°,Azm258.0000° $M_0$6.00000×10^{17}
MOS Error ellipse: s-maj=11.2km s-min=5.3km az=109.4.

(115) Near coast of Peru

ISC II 03 03 14 21.3–.43 16.53S–.07 72.75W–.08 74–3 4.7b 430 4-170
ISCJB II 03 03 14 19.7–1.1 16.43S–.05 72.66W–.06 71–9 4.7b **¶11662487**
BJI II 03 03 14 19.4 16.50S 72.00W 61 5.4s,5.2b
MOS II 03 03 14 20.6–1.4 16.58S 72.91W 74 5.0b,5.2b
IDC II 03 03 14 21.7–.55 16.50S 72.75W 74–3 4.4,4.3
NEIC II 03 03 14 21.1–.29 16.59S 72.69W 74 4.8b,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=6.0km az=144.0.
MOS Error ellipse: s-maj=18.2km s-min=8.7km az=122.4.
IDC Error ellipse: s-maj=19.1km s-min=10.4km az=47.0.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=6.1km az=59.0. Felt [IV] at Ocona, [III] at Camana and [II] at Arequipa. Also felt at Lluta, Mollendo and Punta de Bombon.

(224) Hokkaido region

ISC II 03 06 30 51.1–1.1 42.28N–.08 143.00E–.07 60–8 3.6b 16 0-65
IDC II 03 06 30 45.9–22 42.83N 142.99E 0 3.7,3.6 **¶12699449**
ISCJB II 03 06 30 50.4–.96 42.28N–.09 143.0E–.10 67–5 3.5b,3.6
JMA II 03 06 30 52.2–.10 42.31N 143.02E 52–1 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=486.2km s-min=81.6km az=157.0.
ISCJB Event type fe. Error ellipse: s-maj=17.9km s-min=10.6km az=141.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(249) Luzon

ISC II 03 08 22 23.5–.78 12.80N–.04 123.25E–.04 18 3.7s,3.6b 16 1-89
IDC II 03 08 22 21.1–1.3 12.75N 123.25E 0 3.8,3.7s **¶12699452**
ISCJB II 03 08 22 22.5–.59 12.83N–.05 123.30E–.05 18 3.8s,3.5b
MAN II 03 08 22 24 12.83N 122.99E 14 4.8b,3.7s
ISC Event type fe.
IDC Error ellipse: s-maj=167.3km s-min=19.3km az=68.0.

ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.9km az=35.1.
MAN Event type fe. INTENSITY II - AROROY MASBATE.

(160) Off east coast of North Island

ISC	**II**	**03 09 18 30.5–.80**	**37.86S–.03**	**177.58E–.03**	**58–6**	**4.2b**	**196**	**0-155**
IDC	II	03 09 18 25.2–2.1	36.24S	177.63E	0	4.4,4.2b		**¶12082913**
ISCJB	II	03 09 18 29.5–.41	37.88S–.03	177.61E–.04	70–4	4.2b,4.2b		
NEIC	II	03 09 18 31.2	37.79S	177.57E	46	4.5L,4.2b		
WEL	II	03 09 18 31.2–.16	37.80S	177.58E	45–2	4.5L,4.2b		

ISC Event type ke.
IDC Error ellipse: s-maj=143.8km s-min=42.7km az=0.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.5km az=152.1.
NEIC Event type se. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=0.0. Felt from Bay of Plenty to Hawke''s Bay, maximum reported intensity MM 6.

(76) Off coast of central America

ISC	**II**	**03 11 38 42.4–1.4**	**12.88N–.06**	**88.45W–.03**	**26–13**	**3.4b**	**68**	**1-53**
IDC	II	03 11 38 37.8–1.9	13.89N	87.66W	0	3.8,3.6		**¶12699465**
CASC	II	03 11 38 41.7–3.5	12.78N	88.49W	17–11	4.2,4.2L		
NEIC	II	03 11 38 42.2	12.94N	88.43W	70	4.3,4.2L		

ISC Event type fe.
IDC Error ellipse: s-maj=52.3km s-min=26.6km az=43.0.
CASC Error ellipse: s-maj=9.7km s-min=6.8km az=-1.0.
NEIC Event type fe. Felt [II] at San Salvador. After SNET.

(254) Panay

ISC	**II**	**03 12 31 26.9–.43**	**12.03N–.04**	**122.35E–.04**	**17–2**	**4.5b,3.7s**	**168**	**0-119**
IDC	II	03 12 31 24.6–.65	11.99N	122.36E	0	4.3,4.2L		**¶11670367**
NEIC	II	03 12 31 26.0–.23	11.94N	122.31E	10	4.5b,4.2L		
MOS	II	03 12 31 27.8–1.1	11.99N	122.31E	32	4.5b,4.2L		
BJI	II	03 12 31 27.0	12.36N	122.19E	7	4.8b,4.5s		
MAN	II	03 12 31 27	12.14N	122.32E	9	5.3b,4.5s		
ISCJB	II	03 12 31 28.6–.48	12.09N–.04	122.32E–.04	36–5	4.5b,3.8s		

ISC Event type fe.
NEIC Event type fe. Felt [III PIVS] at Looc and Santa Fe, Tablas Island. Felt [II PIVS] at Lezo and Nabas; [I PIVS] at Malinao, Panay.
MAN Event type fe. INTENSITY III - SANTA FE; LOOC LUBANG ROMBLON; INTENSITY II - ROMBLON ROMBLON.
ISCJB Event type fe.

(171) South of Fiji Islands

ISC	**II**	**03 15 06 00.4–.38**	**24.57S–.05**	**179.65W–.06**	**504–3**	**4.8b**	**336**	**5-169**
DJA	II	03 15 05 35	25.09S	178.60W	309	5.4b		**¶11662499**
NEIC	II	03 15 05 59.5–.30	24.46S	179.66W	497	5.2b		
ISCJB	II	03 15 05 59.4–.63	24.56S–.03	179.77W–.06	497–7	4.7b		
IDC	II	03 15 06 00.0–1.1	24.46S	179.81W	496–10	4.3,4.3		
BJI	II	03 15 06 00.0	24.50S	179.70W	501	5.1b,4.6b		
MOS	II	03 15 06 02.5–3.4	24.49S	179.80E	495	5.0b,4.6b		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=8.1km az=97.0. Felt at Suva.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.2km az=1.7.
IDC Error ellipse: s-maj=11.1km s-min=9.2km az=169.0.
MOS Error ellipse: s-maj=14.0km s-min=10.9km az=133.7.

(229) Off east coast of Honshu

ISC	**II**	**03 15 22 44.0–2.8**	**38.48N–.07**	**143.15E–.09**	**5–15**	**3.6b**	**25**	**1-74**
NIED	II	03 15 22 00	38.40N	143.20E	26	3.9W		**¶12699475**
JMA	II	03 15 22 44.5–.10	38.44N	143.21E	18–3	4.3		
IDC	II	03 15 23 00.5–3.2	38.12N	142.22E	122–28	3.4,3.3		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ62.00000°,λ95.00000°. NP2:ϕ_s192.00000°,δ29.00000°,λ82.00000°. $M_0$7.23000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=29.7km s-min=17.5km az=78.0.

(569) Lake Victoria region

ISC	**II**	**03 15 48 54.4–.45**	**3.91S–.06**	**34.86E–.04**	**17–2**	**5.0b,4.0s**	**261**	**4-138**
SZGRF	II	03 15 48 49.0	4.64S	35.31E	33	5.1b,4.0s		**¶11662501**
PRE	II	03 15 48 49.4–2.6	4.05S	34.94E	10	4.5b,4.0s		
MOS	II	03 15 48 51.5–1.0	3.90S	34.88E	10	5.2b,4.1s		
IDC	II	03 15 48 51.6–.58	3.88S	34.84E	0	4.6,4.5		
ISCJB	II	03 15 48 52.2–.27	3.98S–.04	34.81E–.04	14	4.8b,4.1s		
NEIC	II	03 15 48 53.4–.32	3.90S	34.85E	10	5.1b,4.1s		

ISC Event type fe.
SZGRF Tanzania.
PRE Error ellipse: s-maj=8.8km s-min=8.4km az=-1.0.
MOS Error ellipse: s-maj=12.2km s-min=5.9km az=87.8.
IDC Error ellipse: s-maj=16.1km s-min=13.5km az=125.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=20.2.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=7.4km az=191.0. Felt [III] at Haidom and [II] at Arusha, Dar es Salaam, Dodoma and Zanzibar. Also felt at Bukoba, Chanika, Kigoma, Lushoto, Mabama, Morogoro, Namanga, Same and Tabora. Felt [II] at Nairobi, Kenya. Also felt at Eldoret, Gilgil, Homa Bay, Magadi and Mombasa. Felt [II] at Kampala, Uganda. Also felt at Kyotera.

(224) Hokkaido region

ISC	**II**	**03 17 01 57.0–1.3**	**41.53N–.03**	**139.99E–.04**	**7–10**	**3.5b**	**31**	**0-61**
ISCJB	II	03 17 01 57.2–.49	41.53N–.02	139.94E–.05	23–5	3.5b		**¶12699481**
JMA	II	03 17 01 57.6	41.55N	139.96E	10–1	3.9		
NIED	II	03 17 02 00	41.50N	139.90E	8	3.8W		
IDC	II	03 17 02 01.8–2.9	41.67N	139.80E	37–26	3.7,3.5		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=175.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s155.00000°,δ89.00000°,λ59.00000°. NP2:ϕ_s63.00000°,δ32.00000°,λ178.00000°. Principal axes: T Plg38.0000°,Azm37.0000°; N Plg31.0000°,Azm156.0000°; P Plg36.0000°,Azm272.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ72.00000°,λ42.00000°. NP2:ϕ_s61.00000°,δ51.00000°,λ156.00000°. $M_0$6.06000×10^{14}
IDC Error ellipse: s-maj=20.9km s-min=17.8km az=131.0.

(135) Near coast of central Chile

ISC	**II**	**03 19 06 09.0–1.4**	**32.99S–.03**	**71.98W–.05**	**18–8**	**4.7b,4.1s**	**121**	**0-165**
IDC	II	03 19 06 06.6–.62	32.96S	71.79W	0	4.6,4.5		**¶11730065**
ISCJB	II	03 19 06 08.0–.80	32.98S–.03	72.11W–.04	23–5	4.6b,4.1s		
GUC	II	03 19 06 09.1–.90	33.00S	72.05W	30–6	4.7L,4.1s		
NEIC	II	03 19 06 09.7–.98	32.98S	71.98W	22–6	4.8b,4.7L		

ISC Event type fe.
IDC Error ellipse: s-maj=27.4km s-min=16.2km az=93.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.6km az=156.1.
GUC Error ellipse: s-maj=2.2km s-min=4.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=4.0km az=86.0. Felt [III] at Petorca, San Felipe, Valparaiso and Vina del Mar; [II] at Los Andes and Santiago.

(135) Near coast of central Chile

ISC	**II**	**03 19 39 19.4–1.9**	**32.98S–.03**	**72.07W–.06**	**12–11**	**4.4b**	**67**	**1-156**
ISCJB	II	03 19 39 19.1–1.1	32.97S–.03	72.14W–.06	23–6	4.3b,3.8s		**¶12699489**
GUC	II	03 19 39 21.5–.52	32.98S	71.99W	15–3	4.2L,4.1		
NEIC	II	03 19 39 21.6–2.1	32.98S	71.99W	27–15	4.5b,4.2L		
IDC	II	03 19 39 23.7–4.8	33.06S	71.89W	39–40	4.1,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.9km az=165.4.
GUC Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=5.2km az=85.0. Felt [II] at Santiago.
IDC Error ellipse: s-maj=36.4km s-min=22.3km az=109.0.

(460) Wyoming

ISC	**II**	**03 22 06 16.3–.62**	**43.76N–.02**	**105.37W–.02**	**0**		**242**	**0-20**
ISCJB	II	03 22 06 15.5–.16	43.76N–.01	105.31W–.02	0			**¶12699498**
NEIC	II	03 22 06 15.6–.45	43.87N	105.35W	0	3.3L		
IDC	II	03 22 06 16.8–1.6	43.84N	105.62W	0	3.5,3.3		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.7km az=160.2.
NEIC Event type fm. Error ellipse: s-maj=6.9km s-min=5.0km az=7.0. 50 km [30 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=49.1km s-min=8.3km az=147.0.

(224) Hokkaido region

JMA	**II**	**03 22 14 37.4**	**41.55N**	**139.95E**	**10–1**	**3.6**		
NIED	II	03 22 14 00	41.50N	140.00E	8	3.5W		**¶14149324**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s151.00000°,δ48.00000°,λ74.00000°. NP2:ϕ_s354.00000°,δ44.00000°,λ107.00000°. $M_0$2.22000×10^{14}

(221) Kuril Islands

ISC	**II**	**03 22 39 26.2–.37**	**48.45N–.04**	**154.44E–.04**	**58–2**	**4.7b,3.8s**	**566**	**2-156**
BJI	II	03 22 39 21.3	48.47N	155.03E	59	5.0b,4.7b		**¶13434235**
SKHL	II	03 22 39 21.3–.40	48.07N	155.28E	71–8	5.5b,4.7b		
JMA	II	03 22 39 22.5–.50	48.25N	155.00E	30	5.1,4.7b		
ISCJB	II	03 22 39 22.6–.45	48.40N–.03	154.48E–.03	41–4	4.7b,3.8s		
MOS	II	03 22 39 23.5–.93	48.44N	154.39E	50	4.8b,3.8s		
IDC	II	03 22 39 24.8–.58	48.51N	154.38E	43–5	4.4L,4.4		
NEIC	II	03 22 39 26.7–.75	48.50N	154.35E	61–6	4.8b,4.4		

ISC Event type se.
JMA Error ellipse: s-maj=8.9km s-min=7.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.4km az=152.7.
MOS Event type fe. Error ellipse: s-maj=9.2km s-min=5.9km az=84.9. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=13.1km s-min=8.8km az=140.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.8km az=149.0.

(159) North Island

WEL	**II**	**04 02 03 29.7–.08**	**40.85S**	**175.17E**	**56–1**	**3.5L**		**¶12082924**

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0. Felt from Manawatu to Wellington, maximum reported intensity MM 4.

(243) Taiwan region

ISC	**II**	**04 06 39 59.6–.66**	**22.93N–.02**	**121.53E–.02**	**17–4**	**4.0b,3.2s**	**162**	**0-146**
ISCJB	II	04 06 39 58.8–.35	22.90N–.02	121.57E–.02	17–3	4.0b,3.3s		**¶11667284**
NEIC	II	04 06 39 58.6–.55	22.91N	121.57E	10	4.7L,4.3b		
BJI	II	04 06 39 59.5	22.94N	121.45E	15	4.2b,4.1s		
TAP	II	04 06 39 59.8	22.95N	121.44E	12–0	4.4L,4.1s		
NIED	II	04 06 40 00	22.90N	121.50E	8	4.0W,4.1s		
JMA	II	04 06 40 00.5–.30	22.95N	121.51E	60	3.8,4.1s		
IDC	II	04 06 40 01.9–5.0	22.94N	121.74E	35–41	3.8,3.8b		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=28.9.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=8.0km az=153.0. Recorded [4 TAP] in T'ai-tung and [3 TAP] in Hua-lien.
TAP B.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ63.00000°,λ70.00000°. NP2:ϕ_s205.00000°,δ33.00000°,λ125.00000°. $M_0$1.24000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=24.4km s-min=17.2km az=60.0.

(233) Near south coast of western Honshu

ISC	**II**	**04 20 41 49.8–1.4**	**33.22N–.08**	**135.29E–.04**	**19–4**	**3.6b**	**26**	**0-70**
NIED	II	04 20 41 00	33.20N	135.30E	11	3.9W		**¶12699554**
ISCJB	II	04 20 41 48.9–1.1	33.16N–.06	135.31E–.04	28–6	3.6b		
JMA	II	04 20 41 50.0	33.20N	135.34E	32–1	4.2		
IDC	II	04 20 41 52.0–4.5	33.51N	135.20E	20–29	3.7,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ78.00000°,λ-35.00000°. NP2:ϕ_s65.00000°,δ56.00000°,λ-165.00000°. $M_0$9.04000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.7km az=160.9.
JMA Event type fe.
IDC Error ellipse: s-maj=28.0km s-min=18.4km az=152.0.

(134) Off coast of central Chile

ISC	**II**	**04 23 22 00.0–1.8**	**32.97S–.03**	**72.10W–.06**	**11–10**	**4.4b,3.9s**	**76**	**0-156**
IDC	II	04 23 21 59.1–.98	32.93S	71.83W	0	4.3,4.3L		**¶12699564**
ISCJB	II	04 23 22 00.5–.90	32.95S–.03	72.12W–.05	24–6	4.3b,3.8s		
GUC	II	04 23 22 01.9–.75	32.97S	72.03W	13–3	4.3L,3.8s		
NEIC	II	04 23 22 01.9	32.97S	72.03W	13	4.4b,4.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=35.5km s-min=19.7km az=104.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.7km az=154.4.
GUC Error ellipse: s-maj=2.4km s-min=5.0km az=-1.0.
NEIC Event type fe. Felt [III] at Santiago and [II] at Quillota and Zapallar. After GUC.

(134) Off coast of central Chile

ISC	**II**	**05 00 01 24.5–2.0**	**32.97S–.03**	**72.04W–.05**	**18–11**	**4.2b**	**89**	**0-156**
IDC	II	05 00 01 22.6–.93	32.88S	71.80W	0	4.1,4.1b		**¶12699566**
NEIC	II	05 00 01 23.8	33.11S	72.18W	35	4.3L,3.7b		
ISCJB	II	05 00 01 24.1–.89	32.98S–.03	72.13W–.05	27–7	4.0b,3.7b		
GUC	II	05 00 01 25.4–.80	32.98S	72.03W	24–9	4.3L,3.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=26.3km s-min=18.3km az=143.0.
NEIC Event type fe. Felt [II] at Maipo, Puchuncavi, Santiago, Valparaiso and Zapallar. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.5km az=166.6.
GUC Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0.

(159) North Island

ISC	**II**	**05 01 37 09.4–.93**	**39.22S–.03**	**176.08E–.03**	**90–5**		**183**	**0-154**
IDC	II	05 01 36 57.4–1.9	39.34S	176.56E	0	3.8,3.5		**¶12082941**
ISCJB	II	05 01 37 09.0–.37	39.24S–.03	176.07E–.03	91–3	3.4b,3.5		
WEL	II	05 01 37 10.3–.16	39.18S	176.08E	84–1	4.0L,3.5		
NEIC	II	05 01 37 10.2	39.18S	176.08E	85	4.0L,3.5		

ISC Event type fe.
IDC Error ellipse: s-maj=111.0km s-min=54.6km az=24.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.5km az=138.3.
WEL Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0.
NEIC Event type fe. Felt at Waikanae Beach. After WEL.

(377) Spain

MDD	**II**	**05 05 26 37.2–.73**	**39.33N**	**0.37W**	**6–4**	**2.7**		
CSEM	II	05 05 26 35.1–.19	39.34N	0.38W	2	3.4L		**¶11670574**
INMG	II	05 05 26 37.4–1.8	39.28N	0.28W	14–7	2.9L		
LDG	II	05 05 26 37.2–.11	39.33N	0.37W	2	3.2L		

MDD Event type fe. Error ellipse: s-maj=6.5km s-min=3.1km az=126.0. EMS: II SILLA VALENCIA. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.2km az=128.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=4.5km az=108.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.4km az=128.0.

(92) Leeward Islands

ISC	**II**	**05 06 08 04.4–.56**	**16.07N–.03**	**60.70W–.05**	**53–4**	**4.4b,3.8s**	**410**	**0-126**
ISCJB	II	05 06 08 05.0–.36	16.02N–.02	60.79W–.04	72–2	4.3b,3.8s		**¶11667318**
TRN	II	05 06 08 04.9	16.02N	60.75W	41	4.5,4.3		
NEIC	II	05 06 08 04.1–.23	16.09N	60.63W	53	4.5b,4.4		
MOS	II	05 06 08 04.5–.94	15.95N	60.89W	68	4.7b,4.4		
IDC	II	05 06 08 05.5–3.2	16.05N	60.74W	66–30	4.1,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=2.5km az=157.3.
TRN Event type fe. Felt Dominica and III Guadeloupe.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.3km az=55.0. Felt at Lamentin, Les Abymes and Saint-Francois, Guadeloupe. Felt at Portsmouth and Roseau, Dominica and at Basse-Pointe, La Trinite and Sainte-Marie, Martinique.
MOS Error ellipse: s-maj=15.2km s-min=8.8km az=131.0.
IDC Error ellipse: s-maj=17.3km s-min=11.4km az=64.0.

(377) Spain

ISC	**II**	**05 07 27 05.0–1.0**	**37.09N–.02**	**5.36W–.02**	**9–9**		**156**	**0-7**
ISCJB	II	05 07 27 03.9–.35	37.19N–.02	5.38W–.02	4–2			**¶11670576**
CSEM	II	05 07 27 05.3–.11	37.10N	5.38W	10	3.7L		
SFS	II	05 07 27 06.0	37.04N	5.41W	11	3.2L		
MDD	II	05 07 27 06.5–.33	37.03N	5.39W	11–0	3.1		
IGIL	II	05 07 27 06.9	37.04N	5.41W	0	3.2L		
LDG	II	05 07 27 06.0–.12	37.04N	5.38W	2	3.6L		
INMG	II	05 07 27 07.4–1.6	37.05N	5.35W	18–3	3.3L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.2km az=6.4.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=6.0.
SFS Event type ke.
MDD Event type fe. Error ellipse: s-maj=3.4km s-min=2.6km az=180.0. EMS:III CORIPE. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=178.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=5.0.

(123) Northern Chile

ISC	**II**	**05 09 19 05.0–.37**	**22.98S–.04**	**68.66W–.04**	**106–3**	**4.6b**	**156**	**0-155**
GUC	II	05 09 19 04.5–.93	22.91S	68.74W	103–7	4.8L		**¶12699586**
NEIC	II	05 09 19 04.5	22.91S	68.74W	103	4.7b		

IDC II 05 09 19 05.3–.46 22.89S 68.53W 107–3 4.3b,4.2
ISC Event type fe.
GUC Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
NEIC Event type fe. Felt at Calama. After GUC.
IDC Error ellipse: s-maj=17.1km s-min=13.0km az=56.0.

(159) North Island

WEL II 05 13 21 52.5–.10 37.82S 176.65E 5 3.6L ¶12082962

WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.7km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 5.

(139) Mendoza Province

ISC II 05 14 16 39.5–1.9 32.97S–.06 69.15W–.07 24–17 15 1-38
NEIC II 05 14 16 39.0 32.90S 69.17W 11 4.3 **¶14189270**
GUC II 05 14 16 40.1–.84 34.18S 71.54W 6–27 2.8L
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Potrerillos. After SJA.
GUC Error ellipse: s-maj=18.4km s-min=15.3km az=-1.0.

(115) Near coast of Peru

ISC II 05 20 27 18.7–1.4 14.4S–.10 76.3W–.20 23 3.6b 16 2-147
IDC II 05 20 27 14.9–2.0 14.50S 76.32W 0 4.0L,3.9 **¶12699622**
NEIC II 05 20 27 20.2–1.9 14.53S 76.38W 35 4.3L,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=65.6km s-min=28.8km az=48.0.
NEIC Event type fe. Error ellipse: s-maj=45.3km s-min=13.5km az=223.0. Felt [II] at Ica.

(137) San Juan Province

GUC II 05 21 42 35.7–.35 31.20S 67.94W 150 4.4L
NEIC II 05 21 42 35.7 31.20S 67.94W 150 4.0 **¶14189272**
GUC Error ellipse: s-maj=6.6km s-min=8.4km az=-1.0.
NEIC Event type fe. Felt [III] in San Juan. After GUC.

(39) Central California

ISC II 06 00 20 26.8–1.3 36.63N–.04 121.40W–.04 9–9 47 0-8
ISCJB II 06 00 20 26.9–.81 36.56N–.03 121.51W–.05 11–6 **¶11667349**
NEIC II 06 00 20 29.0 36.69N 121.32W 5 3.7W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.1km az=143.3.
NEIC Event type fe. Felt [III] at Soledad and [II] at Carmel Valley and Hollister. Also felt at Boulder Creek, Gonzales, Greenfield, King City, Paicines, Salinas, San Juan Bautista, Santa Clara, Sunnyvale and Tracy. After NCEDC.

(122) Near coast of northern Chile

ISC II 06 02 58 35.5–.26 28.02S–.03 71.13W–.05 52–2 5.5b,4.8s 1113 1-178
MOS II 06 02 58 33.2–.93 27.78S 71.18W 36 5.7b,4.7s **¶11667352**
GUC II 06 02 58 34.6–.49 28.03S 71.23W 64–11 5.6L,4.7s
DJA II 06 02 58 34 29.24S 71.13W 19 5.6b,4.7s
NEIC II 06 02 58 35.6–.11 27.99S 71.10W 52 5.5b,4.7s
IDC II 06 02 58 35.5–.34 28.03S 71.12W 52–2 4.9,4.8
ISCJB II 06 02 58 35.3–.46 27.90S–.03 70.98W–.05 59–4 5.5b,4.7s
BJI II 06 02 58 36.4 27.67S 71.82W 66 5.4s,5.3b
ISC Event type fe.
MOS Error ellipse: s-maj=14.4km s-min=6.6km az=104.3.
GUC Error ellipse: s-maj=1.8km s-min=8.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=2.7km az=73.0. Felt [IV] at Alto del Carmen, Copiapo and Vallenar; [III] at Caldera, Chanaral, Freirina, Huasco, La Serena and Tierra Amarilla; [II] at Diego de Almagro, El Salvador and Illapel. Also felt at Coquimbo, Los Andes, Ovalle and Taltal.
IDC Error ellipse: s-maj=13.1km s-min=11.2km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.2km az=162.5.

(138) La Rioja Province

ISC II 06 08 58 32.3–.41 28.47S–.03 68.86W–.05 104–3 4.3b 456 2-173
ISCJB II 06 08 58 29.2–.57 28.47S–.03 68.67W–.05 81–4 4.4b **¶11667363**
NEIC II 06 08 58 30.5–.42 28.50S 68.69W 86–3 4.5b
GUC II 06 08 58 31.8–.56 28.46S 68.79W 58–108 4.8L
BJI II 06 08 58 31.1 28.40S 68.70W 87 5.1s,5.0b
IDC II 06 08 58 32.9–.51 28.55S 68.71W 108–4 4.2,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.7km az=177.8.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.6km az=86.0. Felt at La Rioja. Felt [II] at Copiapo, Chile.
GUC Error ellipse: s-maj=2.8km s-min=10.7km az=-1.0.
IDC Error ellipse: s-maj=17.8km s-min=9.6km az=79.0.

(232) Western Honshu

JMA II 06 15 19 29.2 35.19N 136.77E 15–1 3.1 ¶15539292

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s330.00000°,δ65.00000°,λ70.00000°. NP2:ϕ_s191.00000°,δ31.00000°,λ127.00000°. Principal axes: T Plg64.0000°,Azm207.0000°; N Plg18.0000°,Azm339.0000°; P Plg18.0000°,Azm75.0000°

(718) Hindu Kush region

ISC II 06 17 11 34.0–.33 36.59N–.04 70.99E–.03 211–2 4.3b 308 3-150
BJI II 06 17 11 32.5 36.72N 70.84E 216 4.6b,4.5b **¶13434337**
ISCJB II 06 17 11 32.7–.27 36.56N–.02 71.01E–.03 212–3 4.3b,4.5b
MOS II 06 17 11 32.4–.84 36.56N 70.98E 211 4.3b,4.5b
NEIC II 06 17 11 34.3–.28 36.59N 70.98E 217 4.5b,4.5b
IDC II 06 17 11 34.9–.87 36.59N 71.00E 222–7 4.1,4.0
NNC II 06 17 11 36.2–1.7 36.92N 70.72E 163–21 5.5,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=160.6.
MOS Error ellipse: s-maj=9.4km s-min=5.1km az=86.3.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=6.1km az=91.0. Felt [II] at Kabul. Also felt at Feyzabad.
IDC Error ellipse: s-maj=9.6km s-min=9.2km az=138.0.
NNC Error ellipse: s-maj=13.8km s-min=10.2km az=21.0.

(221) Kuril Islands

ISC II 07 03 03 40.8–.96 44.18N–.05 147.59E–.05 58–8 4.5b 268 1-152
NIED II 07 03 03 00 43.90N 147.50E 50 4.2W **¶11670392**
BJI II 07 03 03 33.4 44.03N 148.50E 50 4.8b,4.6b
SKHL II 07 03 03 34.5–2.1 44.13N 148.54E 51–9 4.8b,4.6b
ISCJB II 07 03 03 39.9–.55 44.18N–.04 147.60E–.05 62–4 4.5b,4.6b
MOS II 07 03 03 39.0–.98 44.23N 147.57E 55 4.7b,4.6b
IDC II 07 03 03 40.8–2.2 44.24N 147.53E 55–20 4.2,4.1
JMA II 07 03 03 40.6–.20 43.92N 147.48E 13 4.8,4.1
NEIC II 07 03 03 41.4–.47 44.20N 147.58E 62–4 4.5b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ71.00000°,λ81.00000°. NP2:ϕ_s260.00000°,δ21.00000°,λ114.00000°. $M_0$2.31000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.4km az=146.8.
MOS Error ellipse: s-maj=7.9km s-min=6.0km az=82.5.
IDC Error ellipse: s-maj=15.7km s-min=10.4km az=149.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=151.0. Recorded [1 JMA] in eastern Hokkaido.

(713) Central Kazakhstan

ISC II 07 04 52 50.6–.34 43.32N–.04 66.35E–.02 16–1 4.7b,3.8s 491 3-148
IDC II 07 04 52 48.2–.42 43.11N 66.33E 0 4.6,4.6 **¶13434354**
ISCJB II 07 04 52 49.1–.12 43.16N–.02 66.32E–.02 15 4.6b,3.9s
NEIC II 07 04 52 49.9–.18 43.20N 66.35E 10 4.8b,4.3W
BJI II 07 04 52 49.7 43.38N 66.62E 10 4.9b,4.7b
TEH II 07 04 52 50.0 43.22N 66.34E 10 4.9L,4.7b
NNC II 07 04 52 51.2–1.6 43.63N 66.53E 0 4.8b,4.4
MOS II 07 04 52 51.6–1.1 43.29N 66.40E 33 4.9b,4.4
ISC Event type fe.
IDC Error ellipse: s-maj=10.0km s-min=6.6km az=176.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=2.7.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.1km az=183.0. Felt [II] at Qyzylorda. Also felt at Shymkent and Shieli. Felt at Chirchik and Tashkent, Uzbekistan. Moment Tensor Solution. $M_0$3.00000×10^{15}
NNC Error ellipse: s-maj=16.2km s-min=7.5km az=38.0.
MOS Error ellipse: s-maj=5.9km s-min=4.4km az=133.8.

(73) El Salvador

ISC II 07 09 40 05.9–.47 13.11N–.05 89.24W–.04 60–3 4.4b,4.2s 231 0-148
BJI II 07 09 40 00.6 12.20N 89.20W 60 5.2s,5.1b **¶11667396**
ISCJB II 07 09 40 05.8–.43 13.09N–.05 89.22W–.04 69–2 4.3b,5.1b
IDC II 07 09 40 05.3–.71 13.24N 88.92W 55–5 3.9,3.8
NEIC II 07 09 40 05.9–.44 13.03N 89.24W 59 4.8,4.5b
CASC II 07 09 40 06.8–2.2 13.06N 89.24W 33–5 4.8L,4.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=3.9km az=37.5.
IDC Error ellipse: s-maj=24.8km s-min=12.3km az=53.0.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=6.9km az=52.0. Felt [IV] at San Salvador. Also felt at Santa Ana.
CASC Error ellipse: s-maj=5.7km s-min=4.3km az=-1.0.

(359) Bulgaria

ISC II 07 18 39 28.7–1.0 42.82N–.01 25.22E–.01 5–8 3.4b 297 0-70
ISCJB II 07 18 39 27.9–.43 42.78N–.01 25.19E–.02 4–3 3.3b **¶12699742**
SOF II 07 18 39 27.6 42.85N 25.19E 10 3.4
THE II 07 18 39 28.3 42.86N 25.28E 0–2 3.7L
NEIC II 07 18 39 29.3 42.77N 25.23E 2 3.8L,3.7L
BEO II 07 18 39 29.1–.43 42.87N 25.24E 8–4 3.6L,3.7L
CSEM II 07 18 39 29.1–.11 42.77N 25.14E 2 3.4,3.7L
IDC II 07 18 39 33.3–3.1 42.88N 25.34E 35–27 3.3,3.2
DDA II 07 18 39 47.8 41.99N 26.34E 65 3.3,3.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=154.9.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=12.0.
NEIC Event type fe. Felt in the Gabrovo area. After CSEM.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=117.0.
IDC Error ellipse: s-maj=22.7km s-min=16.8km az=102.0.
DDA Event type ke.

(307) Sichuan

ISC II 07 21 21 06.9–.47 30.86N–.03 103.27E–.03 15–2 4.8b,3.6s 332 0-150
BJI II 07 21 21 06.0 30.91N 103.16E 20 4.7L,4.7b **¶11667407**
ISCJB II 07 21 21 06.3–.69 30.84N–.03 103.24E–.02 25–5 4.8b,3.6s
MOS II 07 21 21 06.4–.97 30.85N 103.26E 25 5.0b,3.6s
IDC II 07 21 21 07.5–2.3 30.86N 103.25E 19–13 4.5,4.4
DJA II 07 21 21 09 30.86N 103.26E 10 4.9b,4.4
NEIC II 07 21 21 10.6–.62 30.88N 103.27E 42–6 4.9b,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=170.7.
MOS Error ellipse: s-maj=8.3km s-min=4.8km az=111.9.
IDC Error ellipse: s-maj=15.2km s-min=9.4km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.6km az=47.0. Felt [II] at Chengdu.

(234) Northwest of Ryukyu Islands

ISC II 08 00 26 35.2–1.4 27.06N–.05 126.87E–.05 26–12 4.2b,4.0s 64 1-94
NIED II 08 00 26 00 27.20N 126.80E 5 4.7W,4.0s **¶12699757**
IDC II 08 00 26 31.8–.73 27.20N 126.91E 0 4.0s,4.0
JMA II 08 00 26 31.6–.20 27.19N 126.77E 11–2 4.9,4.0
ISCJB II 08 00 26 32.6–.93 27.18N–.04 126.80E–.04 18–8 4.1s,4.0b
MOS II 08 00 26 34.0–.96 27.21N 126.86E 28 4.7b,4.0b
NEIC II 08 00 26 35.3–1.9 27.18N 126.86E 25–15 4.7W,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ68.00000°,λ-145.00000°. NP2:ϕ_s264.00000°,δ58.00000°,λ-26.00000°. $M_0$1.16000×10^{16}
IDC Error ellipse: s-maj=23.9km s-min=13.6km az=45.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=5.2km az=157.9.
MOS Error ellipse: s-maj=20.3km s-min=9.8km az=105.7.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=6.6km az=133.0. Recorded [1 JMA] on Kuma-jima and Okinawa. Moment Tensor Solution. $M_0$1.20000×10^{16}

(243) Taiwan region

ISC II 08 05 18 55.2–.62 22.83N–.02 121.22E–.02 16–3 3.8b,3.4s 168 0-146
NIED II 08 05 18 00 22.70N 121.30E 11 4.0W,3.4s **¶11667422**
IDC II 08 05 18 51.8–.82 22.77N 121.49E 0 3.9,3.9
NEIC II 08 05 18 53.6–.48 22.80N 121.36E 10 4.5L,3.9
ISCJB II 08 05 18 55.0–.28 22.80N–.02 121.25E–.02 22–2 3.7b,3.4s
TAP II 08 05 18 55.6 22.86N 121.11E 13–0 4.4L,3.4s
BJI II 08 05 18 55.8 23.03N 121.10E 11 3.9b,3.7L
JMA II 08 05 18 56.7–.20 22.69N 121.34E 71 3.8,3.7L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s142.00000°,δ66.00000°,λ119.00000°. NP2:ϕ_s269.00000°,δ37.00000°,λ43.00000°. $M_0$1.08000×10^{15}
IDC Error ellipse: s-maj=24.1km s-min=18.6km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=7.2km az=115.0. Recorded [4 TAP] in T'ai-tung, [2 TAP] in P'ing-tung and [1 TAP] in Hua-lien and Kao-hsiung.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.6km az=25.8.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.

(111) Northern Peru

ISC II 08 08 30 47.2–.41 7.68S–.05 76.55W–.07 135–3 4.5b 222 2-168
ISCJB II 08 08 30 45.6–.66 7.58S–.06 76.43W–.06 135–6 4.3b **¶11667431**
BJI II 08 08 30 46.7 7.60S 76.30W 134 5.0b
IDC II 08 08 30 47.6–.52 7.65S 76.59W 137–5 4.1,4.0
NEIC II 08 08 30 47.5–.32 7.60S 76.44W 138 4.6b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=6.5km az=137.5.
IDC Error ellipse: s-maj=11.5km s-min=7.8km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=6.2km az=57.0. Felt [II] at Pucallpa. Also felt at Bellavista, Campoverde, Tingo Maria and Tocache Nuevo.

(78) Costa Rica

ISC II 08 09 21 36.6–.68 10.26N–.06 84.26W–.05 10 3.9b,3.5s 32 0-141
IDC II 08 09 21 30.6–4.9 9.65N 84.10W 0 4.0,3.7 **¶12699774**
NEIC II 08 09 21 35.3–1.6 9.62N 83.88W 35 4.3b,3.7
ISCJB II 08 09 21 36.2–.50 10.39N–.05 84.14W–.04 10 3.8b,3.5s
CASC II 08 09 21 36.4–1.4 10.30N 84.24W 0–5 4.3,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=97.7km s-min=61.8km az=145.0.
NEIC Event type fe. Error ellipse: s-maj=34.8km s-min=28.0km az=64.0. Felt at Cariblanco, Rio Cuarto, San Carlos, San Miguel and Venecia.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.5km az=38.0.
CASC Error ellipse: s-maj=5.9km s-min=6.1km az=-1.0.

(307) Sichuan

ISC II 08 15 17 11.5–.86 31.32N–.03 103.94E–.04 16–5 4.3b,3.3s 155 0-114
IDC II 08 15 17 08.9–.54 31.38N 103.98E 0 4.3,4.2 **¶12699788**
ISCJB II 08 15 17 10.7–.79 31.32N–.03 103.93E–.03 26–6 4.3b,3.3s
BJI II 08 15 17 11.8 31.41N 103.81E 18 4.7L,4.5b
MOS II 08 15 17 12.2–1.0 31.34N 103.99E 36 4.7b,4.5b
NEIC II 08 15 17 14.3–.64 31.38N 103.95E 37–7 4.7b,4.5b
ISC Event type fe.
IDC Error ellipse: s-maj=17.6km s-min=11.2km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.7km az=33.0.
MOS Error ellipse: s-maj=10.8km s-min=6.3km az=97.1.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.0km az=223.0. Felt at Deyang.

(224) Hokkaido region

ISC II 08 17 27 48.4–.87 41.48N–.04 142.00E–.04 63–8 3.6b 45 1-71
ISCJB II 08 17 27 47.6–.40 41.48N–.03 141.98E–.05 71–4 3.6b **¶12699793**
MOS II 08 17 27 48.8–1.3 41.49N 142.21E 94 3.9b
JMA II 08 17 27 48.4–.10 41.48N 141.98E 62–2 3.4
IDC II 08 17 27 49.8–1.9 41.48N 141.96E 78–16 3.5,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.9km az=40.7.
MOS Error ellipse: s-maj=21.5km s-min=13.6km az=74.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s28.00000°,δ68.00000°,λ103.00000°. NP2:ϕ_s177.00000°,δ26.00000°,λ61.00000°. Principal axes: T Plg65.0000°,Azm320.0000°; N Plg12.0000°,Azm203.0000°; P Plg22.0000°,Azm108.0000°
IDC Error ellipse: s-maj=24.6km s-min=14.2km az=110.0.

(107) Ecuador

ISC II 08 20 49 24.8–.34 2.61S–.03 79.14W–.05 94–2 4.8b 446 1-164
ISCJB II 08 20 49 25.0–.26 2.64S–.02 78.96W–.04 105–2 4.6b **¶11667447**
IDC II 08 20 49 24.8–.48 2.51S 78.90W 86–4 4.3,4.3
NEIC II 08 20 49 24.6–.26 2.53S 78.89W 86 4.9b,4.9
IGQ II 08 20 49 24.8 2.57S 79.18W 88–14 4.9b,4.8s
BJI II 08 20 49 25.0 2.50S 79.00W 88 5.5s,5.3

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.6km az=175.3.
IDC Error ellipse: s-maj=17.9km s-min=8.4km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.8km az=59.0. Felt [II] at Cuenca and Guayaquil. Also felt at Alfredo Baquerizo Moreno, Azogues, Canar, Eloy Alfaro, La Troncal and Salinas.
IGQ Error ellipse: s-maj=1.9km s-min=0.8km az=4.1.

(109) Near coast of northern Peru

ISC	**II**	**08 21 23 12.1–.34**	**6.73S–.06**	**81.02W–.06**	**34**	**5.1b,4.3s**	**332**	**3-168**
IDC	II	08 21 23 06.2–.58	6.59S	81.22W	0	4.6,4.6		**¶11667450**
ISCJB	II	08 21 23 10.6–.28	6.60S–.05	81.08W–.04	34	5.0b,4.4s		
MOS	II	08 21 23 10.9–1.4	6.60S	81.04W	35	5.2b,4.4s		
BJI	II	08 21 23 14.9	6.60S	80.70W	44	5.5s,5.4b		
NEIC	II	08 21 23 17.2–1.1	6.76S	80.89W	76–10	5.1b,5.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.0km s-min=12.1km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.8km az=38.1.
MOS Error ellipse: s-maj=17.3km s-min=7.3km az=113.1.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=5.8km az=54.0. Felt [II] at Chiclayo and Morrope. Also felt at Cajamarca, Paita, Pimentel, Piura, Sechura and Tumbes. Felt at Machala, Ecuador.

(235) Kyushu

JMA	**II**	**09 02 59 19.8**	**32.61N**	**130.71E**	**6–1**	**3.3**	
NIED	II	09 02 59 00	32.60N	130.70E	5	3.5W	**¶11667456**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s309.00000°,δ69.00000°,λ47.00000°. NP2:ϕ_s199.00000°,δ47.00000°,λ151.00000°. Principal axes: T Plg47.0000°,Azm174.0000°; N Plg40.0000°,Azm328.0000°; P Plg13.0000°,Azm69.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ59.00000°,λ123.00000°. NP2:ϕ_s321.00000°,δ44.00000°,λ48.00000°. $M_0$2.08000×10^{14}

(162) South Island

WEL	**II**	**09 07 34 10.6–.22**	**41.67S**	**173.42E**	**54–3**	**3.6L**	
							¶12083039

WEL Event type fe. Error ellipse: s-maj=2.1km s-min=1.8km az=90.0. Felt in the Marlborough region, maximum reported intensity MM 3.

(378) Pyrenees

ISC	**II**	**09 08 38 28.0–.53**	**43.16N–.01**	**0.27W–.01**	**13–4**		**630**	**0-30**
ISCJB	II	09 08 38 26.9–.20	43.21N–.01	0.28W–.01	13–1	3.1b		**¶11670602**
CSEM	II	09 08 38 28.5–.05	43.18N	0.25W	5	4.1L		
STR	II	09 08 38 29.0–.17	43.07N	0.28W	5	4.2L		
INMG	II	09 08 38 29.4–1.5	42.97N	0.07W	11–5	3.3L		
LDG	II	09 08 38 30.3–.05	43.12N	0.25W	3	4.1L,3.7		
NEIC	II	09 08 38 30.3	43.12N	0.25W	3	4.2L,4.1L		
MDD	II	09 08 38 30.1–.27	43.13N	0.28W	3–2	3.4,4.1L		
IDC	II	09 08 38 35.8–4.0	42.43N	0.05E	16–32	4.0L,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=141.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=141.0.
STR Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=4.0km az=87.0.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=136.0.
NEIC Event type fe. Felt at Tarbes. After LDG.
MDD Event type fe. Error ellipse: s-maj=2.9km s-min=1.8km az=153.0. EMS: IV-V INTENSIDAD FRANCIA (BCSF). PRXIMO II INTENSIDAD MAXIMA ESPAA.
IDC Error ellipse: s-maj=50.5km s-min=15.0km az=139.0.

(267) Halmahera

ISC	**II**	**09 19 41 12.4–.31**	**1.73N–.03**	**127.18E–.04**	**117–2**	**5.0b**	**435**	**1-165**
MOS	II	09 19 41 03.3–.95	1.81N	127.11E	48	5.3b		**¶13434423**
BJI	II	09 19 41 07.5	1.39N	127.47E	116	5.1b,5.1b		
ISCJB	II	09 19 41 11.7–.38	1.78N–.02	127.26E–.03	127–3	5.0b,5.1b		
NEIC	II	09 19 41 11.6–.84	1.76N	127.23E	112–8	5.1b,5.1b		
IDC	II	09 19 41 12.1–1.0	1.74N	127.22E	114–8	4.6,4.6		
DJA	II	09 19 41 14	1.76N	127.14E	106	5.3b,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=12.6km s-min=5.9km az=109.2.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.3km az=166.4.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.0km az=72.0. Felt on Ternate.
IDC Error ellipse: s-maj=13.1km s-min=6.7km az=79.0.

(45) California-Baja California border region

ISC	**II**	**09 21 10 42.6–.89**	**32.64N–.02**	**115.59W–.02**	**16–7**		**98**	**0-9**
ISCJB	II	09 21 10 42.5–.27	32.65N–.02	115.55W–.02	25–2			**¶11667482**
ECX	II	09 21 10 44.2–.62	32.65N	115.61W	8	4.0L,3.9		
NEIC	II	09 21 10 44.2	32.65N	115.61W	8	4.0L,3.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=2.9.
ECX Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
NEIC Event type fe. Felt [III] at Mexicali. Also felt at Tijuana. Felt [III] at Calexico, El Centro, Heber, Holtville and Imperial, California. Also felt at Brawley and San Diego. After ECX.

(243) Taiwan region

ISC	**II**	**09 21 24 37.0–.51**	**22.67N–.02**	**121.16E–.02**	**16–3**	**4.6b,4.2s**	**274**	**0-147**
NIED	II	09 21 24 00	22.50N	121.10E	41	4.8W,4.2s		**¶11667483**
BJI	II	09 21 24 33.9	22.60N	121.17E	11	4.9b,4.8s		
IDC	II	09 21 24 33.9–.66	22.54N	121.26E	0	4.2,4.2		
JMA	II	09 21 24 35.5–.30	22.53N	121.10E	77	4.5,4.2		
ISCJB	II	09 21 24 35.9–.32	22.60N–.02	121.19E–.02	21–2	4.5b,4.2s		
NEIC	II	09 21 24 35.7	22.71N	121.01E	6	5.2L,4.8b		
TAP	II	09 21 24 35.9	22.68N	121.08E	6–0	4.9L,4.8b		
MOS	II	09 21 24 36.1–1.1	22.56N	121.18E	26	4.9b,4.2s		
DJA	II	09 21 24 44	22.81N	121.10E	46	4.6b,4.2s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s252.00000°,δ74.00000°,λ48.00000°. NP2:ϕ_s144.00000°,δ44.00000°,λ156.00000°. $M_0$1.67000×10^{16}
IDC Error ellipse: s-maj=19.3km s-min=15.0km az=76.0.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=36.2.
NEIC Event type fe. Recorded [4 TAP] in T'ai-tung and 2 [TAP] in P'ing-tung. After TAP.
TAP B.
MOS Error ellipse: s-maj=11.0km s-min=6.5km az=110.6.

(45) California-Baja California border region

ISC	**II**	**09 21 53 58.4–.83**	**32.63N–.02**	**115.60W–.02**	**16–6**		**110**	**0-9**
ISCJB	II	09 21 53 58.2–.27	32.63N–.02	115.56W–.02	24–3			**¶11667486**
ECX	II	09 21 53 59.8–.61	32.64N	115.62W	7	4.0L,3.8		
NEIC	II	09 21 53 59.8	32.64N	115.62W	7	4.0L,3.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=178.5.
ECX Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0.
NEIC Event type fe. Felt at Mexicali. Also felt at Calexico and El Centro, California. After ECX.

(13) Kodiak Island region

ISC	**II**	**10 02 11 20.9–.40**	**57.47N–.04**	**154.62W–.03**	**53–3**	**4.6b,3.4s**	**572**	**1-151**
MOS	II	10 02 11 17.7–.96	57.54N	154.91W	40	4.8b,3.4s		**¶13434431**
BJI	II	10 02 11 18.3	57.80N	154.38W	25	4.9b,4.8s		
ISCJB	II	10 02 11 19.6–.27	57.53N–.02	154.68W–.03	53–2	4.6b,3.5s		
IDC	II	10 02 11 21.1–.72	57.61N	154.77W	51–6	4.3,4.2		
NEIC	II	10 02 11 21.3	57.39N	154.58W	30	4.5b,4.4L		

ISC Event type fe.
MOS Error ellipse: s-maj=11.6km s-min=5.0km az=84.7.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.6km az=11.9.
IDC Error ellipse: s-maj=14.1km s-min=7.5km az=179.0.
NEIC Event type fe. Felt at Larsen Bay and Old Harbor. After AEIC.

(159) North Island

WEL	**II**	**10 07 20 57.2–.10**	**39.94S**	**176.60E**	**39–2**	**4.0L**	
NEIC	II	10 07 20 57.2	39.96S	176.65E	38	4.0L	**¶12083061**

WEL Event type fe. Error ellipse: s-maj=1.7km s-min=0.9km az=90.0. Felt from Hawke''s Bay to Manawatu, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Taradale. Felt in the southern part of Hawke's Bay. After WEL.

(2) Southern Alaska

ISC	**II**	**10 07 42 54.4–.71**	**61.79N–.03**	**151.21W–.03**	**72–6**	**3.5b**	**110**	**0-64**
ISCJB	II	10 07 42 52.7–.23	61.80N–.02	151.16W–.05	78–3	3.5b		**¶11670431**
IDC	II	10 07 42 52.5–1.5	61.78N	151.34W	55–14	3.6,3.5		
NEIC	II	10 07 42 54.6	61.79N	151.18W	68	3.5L,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.1km az=29.7.
IDC Error ellipse: s-maj=19.7km s-min=9.3km az=109.0.
NEIC Event type fe. Felt at Anchorage. After AEIC.

(706) Northern Sumatera

ISC	**II**	**10 18 50 09.0–.53**	**5.59N–.05**	**94.81E–.06**	**90–3**	**4.6b**	**188**	**0-99**
MOS	II	10 18 50 05.0–.91	5.60N	94.81E	67	4.8b		**¶13434442**
BJI	II	10 18 50 05.1	5.31N	94.93E	87	5.0b,4.7b		
ISCJB	II	10 18 50 06.8–.63	5.53N–.05	94.80E–.05	85–6	4.6b,4.7b		
IDC	II	10 18 50 06.8–3.3	5.57N	94.76E	68–29	4.7L,4.2		
NEIC	II	10 18 50 08.8–1.1	5.59N	94.86E	86–9	4.7b,4.2		
DJA	II	10 18 50 10	5.33N	94.83E	43	4.9b,4.2		

ISC Event type fe.
MOS Error ellipse: s-maj=13.3km s-min=6.9km az=104.7.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=5.6km az=138.6.
IDC Error ellipse: s-maj=27.7km s-min=13.2km az=56.0.
NEIC Event type fe. Error ellipse: s-maj=12.1km s-min=5.3km az=59.0. Felt at Banda Aceh and Sabang.

(193) Bougainville - Solomon Islands region

ISC	**II**	**10 19 40 45.2–.37**	**7.94S–.06**	**158.61E–.07**	**40–2**	**4.8b,3.5s**	**194**	**2-157**
MOS	II	10 19 40 44.9–.92	7.93S	158.60E	52	4.7b,3.5s		**¶11670442**
ISCJB	II	10 19 40 45.5–1.4	8.01S–.06	158.59E–.06	59–14	4.7b,3.7s		
BJI	II	10 19 40 46.2	7.37S	158.53E	35	5.1s,5.1b		
NEIC	II	10 19 40 48.7–1.2	8.08S	158.67E	80–11	4.7b,5.1b		
IDC	II	10 19 40 49.1–1.8	8.12S	158.69E	84–20	4.2,4.2		

ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=8.0km az=97.3.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=8.9km az=139.3.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=6.8km az=143.0. Felt at Gizo.
IDC Error ellipse: s-maj=17.9km s-min=13.4km az=149.0.

(460) Wyoming

ISC	**II**	**10 20 19 09.9–.61**	**43.45N–.02**	**105.15W–.02**	**0**		**115**	**0-78**
IDC	II	10 20 19 07.1–2.4	43.00N	105.11W	0	3.5,3.4		**¶12699934**
NEIC	II	10 20 19 10.4–.47	43.45N	105.07W	0	3.1L,3.4		
ISCJB	II	10 20 19 11.2–.19	43.57N–.01	105.30W–.02	0	3.9b,3.4		

ISC Event type sm.
NEIC Event type fm. 80 km [50 miles] NNE of Douglas. Suspected Mining explosion.
ISCJB Event type fm.

(249) Luzon

MAN	**II**	**11 00 10 46**	**14.05N**	**121.05E**	**29**	**4.0b,2.8L**	
							¶14716577

MAN Event type fe. INTENSITY III - LIPA CITY; LOS BANOS LAGUNA; INTENSITY II - CALAMBA LAGUNA; INTENSITY I - TANAUAN BATANGAS.

(377) Spain

ISC	**II**	**11 05 29 08.4–1.1**	**39.51N–.02**	**0.25W–.02**	**8–10**		**181**	**1-9**
ISCJB	II	11 05 29 09.1–.39	39.63N–.02	0.47W–.03	4–2			**¶11682806**
CSEM	II	11 05 29 10.2–.16	39.55N	0.32W	10	3.2L		
LDG	II	11 05 29 11.2–.09	39.52N	0.25W	2	3.3L		
INMG	II	11 05 29 11.6–2.6	39.53N	0.21W	17–6	2.7L		
MDD	II	11 05 29 12.2–.33	39.50N	0.22W	19–3	2.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.4km az=28.9.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=121.0.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.2km az=121.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=117.0.
MDD Event type fe. Error ellipse: s-maj=3.7km s-min=2.3km az=113.0. EMS: III ALBORAYA , VALENCIA. PRXIMO.

(221) Kuril Islands

ISC	**II**	**11 05 52 29.5–.39**	**45.33N–.05**	**150.21E–.04**	**111–2**	**4.7b**	**633**	**2-151**
NIED	II	11 05 52 00	44.90N	150.00E	89	4.5W		**¶13434450**
ISCJB	II	11 05 52 27.9–.38	45.43N–.04	150.15E–.03	104–4	4.6b		
MOS	II	11 05 52 28.4–1.1	45.46N	150.19E	113	4.7b		
SZGRF	II	11 05 52 28.4	46.50N	150.16E	33	5.1b		
BJI	II	11 05 52 28.4	45.56N	150.28E	115	4.8b,4.8b		
SKHL	II	11 05 52 28.7–.60	45.36N	150.29E	108–17	6.3s,5.9b		
IDC	II	11 05 52 29.1–.55	45.51N	150.10E	102–5	4.2,4.2		
NEIC	II	11 05 52 29.9–.67	45.46N	150.12E	110–6	4.8b,4.2		
JMA	II	11 05 52 32.5–.60	44.85N	150.02E	118	4.9,4.2		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s62.00000°,δ80.00000°,λ95.00000°. NP2:ϕ_s215.00000°,δ11.00000°,λ64.00000°. $M_0$5.72000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.0km az=171.0.
MOS Event type fe. Error ellipse: s-maj=7.3km s-min=5.0km az=107.1. Felt (II-III) at Kuril'sk, Reidovo, Goryachiye Klyuchi. Moment Tensor Solution.
SZGRF Kuril Islands, Russia.
SKHL Event type fe. Felt (II-III) at Kurilsk, Reydovo, Goryachie Kluchi.
IDC Error ellipse: s-maj=13.6km s-min=9.2km az=158.0.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.3km az=162.0. Recorded [1 JMA] in eastern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**II**	**11 10 07 17.8–.50**	**37.09N–.04**	**141.22E–.05**	**50–3**	**4.1b**	**118**	**0-90**
MOS	II	11 10 07 14.6–1.4	37.19N	141.27E	33	4.3b		**¶13434459**
ISCJB	II	11 10 07 16.3–.61	37.08N–.04	141.24E–.07	56–3	4.0b		
IDC	II	11 10 07 18.2–.59	37.11N	141.03E	49–4	3.8,3.8		
NEIC	II	11 10 07 18.6–.58	37.21N	141.12E	50	4.1b,3.8		
JMA	II	11 10 07 18.1–.10	37.10N	141.12E	51–1	4.1,3.8		

ISC Event type se.
MOS Error ellipse: s-maj=12.0km s-min=11.0km az=42.8.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.0km az=21.7.
IDC Error ellipse: s-maj=15.9km s-min=9.8km az=108.0.
NEIC Event type fe. Error ellipse: s-maj=13.1km s-min=7.2km az=147.0. Recorded [2 JMA] in Fukushima and [1 JMA] in Ibaraki, Miyagi and Tochigi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s38.00000°,δ76.00000°,λ93.00000°. NP2: ϕ_s207.00000°,δ14.00000°,λ79.00000°. Principal axes: T Plg59.0000°,Azm312.0000° ; N Plg3.0000°,Azm218.0000°; P Plg31.0000°,Azm126.0000°

(99) Northern Colombia

ISC	**II**	**11 17 17 02.9–.37**	**6.77N–.03**	**73.00W–.04**	**161–3**	**4.9b**	**745**	**0-154**
BJI	II	11 17 17 01.5	6.80N	72.90W	152	5.0b		**¶11671874**
ISCJB	II	11 17 17 02.3–.27	6.75N–.03	72.89W–.02	170–2	4.9b		
FUNV	II	11 17 17 02.2	6.76N	73.17W	176	4.9W		
IDC	II	11 17 17 03.0–.48	6.80N	72.95W	158–4	4.5,4.4		
NEIC	II	11 17 17 03.2–.16	6.75N	72.91W	163	5.0b,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=149.4.
IDC Error ellipse: s-maj=9.3km s-min=8.2km az=102.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=3.2km az=90.0. Felt [II] at Medellin. Also felt at Bogota, Bucaramanga, Cucuta, Envigado, Gonzalez, Manizales, Ocana, San Cristobal, San Gil and Tunja.

(263) Talaud Islands

ISC	**II**	**11 17 34 51.4–.23**	**3.78N–.02**	**126.50E–.03**	**24–1**	**7.3s,6.6b**	**3053**	**3-169**
BJI	II	11 17 34 45.7	3.40N	126.68E	30	7.4s,7.3		**¶13434474**
IDC	II	11 17 34 46.7–.28	3.83N	126.51E	0	7.2s,7.2		
ISCJB	II	11 17 34 50.0–.09	3.88N–.02	126.59E–.02	28	7.3s,6.5b		
SZGRF	II	11 17 34 49.5	3.19N	127.07E	33	7.5b,6.5b		
NEIC	II	11 17 34 50.5–.11	3.89N	126.39E	20	7.3s,7.2W		
MOS	II	11 17 34 50.6–1.1	3.87N	126.47E	33	7.2s,6.8b		
TEH	II	11 17 34 53.0	3.69N	126.79E	33	7.5L,6.8b		
DJA	II	11 17 34 57	3.84N	126.68E	74	7.2W,6.8b		

ISC Event type de.
IDC Error ellipse: s-maj=7.4km s-min=5.2km az=78.0.
ISCJB Event type de. Error ellipse: s-maj=2.7km s-min=2.1km az=155.2.
SZGRF Talaud Islands, Indonesia.
NEIC Event type de. Error ellipse: s-maj=4.4km s-min=3.6km az=52.0. At least 64 people injured and 597 buildings damaged or destroyed in the Kepulauan Talaud. Felt [VI] at Lirung. Felt [V] on Pulau Sangihe and [IV] at Manado, Sulawesi. Felt [III PIVS] at Davao and [II PIVS] at General Santos, Philippines. Also felt at Mati. Complex earthquake observed on broadband displacement seismograms. A small event is followed by a large event about 4 seconds later. Depth and focal mechanism from synthetics of broadband displacement seismograms based on large event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ60.00000°,λ120.00000°. NP2: ϕ_s141.00000°,δ41.00000°,λ49.00000°. Principal axes: T Plg62.0000°,Azm329.0000°

; N Plg0.0000°,Azm0.0000°; P Plg10.0000°,Azm79.0000° Moment Tensor Solution. s59 Moment tensor: Scale 10^{19}Nm; M_{rr}4.09 $M_{\theta\theta}$0.82 $M_{\phi\phi}$-4.91 $M_{r\theta}$0.56 $M_{\theta\phi}$2.03 $M_{\phi r}$2.09 Best double couple: NP1:ϕ_s359.00000°,δ58.00000°,λ112.00000°. NP2:ϕ_s143.00000° ,δ38.00000°,λ59.00000°. Principal axes: T 4.8200,Plg68.0000°,Azm315.0000° ; N 1.0800,Plg18.0000°,Azm167.0000°; P -5.9000,Plg10.0000°,Azm74.0000° M_o5.40000×10^{19} Moment Tensor Solution. M_o9.10000×10^{19}

MOS Error ellipse: s-maj=7.0km s-min=4.2km az=116.7. Moment Tensor Solution. M_o8.10000×10^{19}

(263) Talaud Islands

ISC	**II**	**11 18 22 04.6–.44**	**4.03N–.05**	**126.68E–.06**	**36–2**	**5.1b**	**257**	**3-167**
IDC	II	11 18 21 59.0–.38	3.93N	126.53E	0	4.7,4.7		**¶11671881**
BJI	II	11 18 22 00.8	3.72N	126.41E	32	5.3b,4.8b		
ISCJB	II	11 18 22 02.5–.20	4.16N–.03	126.80E–.04	33	5.8s,5.0b		
MOS	II	11 18 22 02.0–.94	3.93N	126.60E	33	5.4b,5.0b		
NEIC	II	11 18 22 04.9–1.3	3.96N	126.65E	44–12	5.1b,5.0b		
DJA	II	11 18 22 07	3.65N	126.81E	10	5.2b,5.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.1km s-min=9.4km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=163.2.
MOS Error ellipse: s-maj=13.4km s-min=5.6km az=117.7.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=4.6km az=67.0. Felt [III] in the Kepulauan Talaud.

(263) Talaud Islands

ISC	**II**	**11 18 25 11.2–.29**	**4.01N–.03**	**126.76E–.04**	**34–0**	**6.0s,5.8b**	**962**	**3-169**
IDC	II	11 18 25 06.0–.30	3.96N	126.73E	0	5.9s,5.9		**¶11671883**
BJI	II	11 18 25 05.3	3.57N	126.87E	33	6.5b,6.0s		
ISCJB	II	11 18 25 09.5–.13	4.04N–.02	126.85E–.02	35	5.9s,5.8b		
MOS	II	11 18 25 09.0–.97	3.98N	126.78E	33	6.0s,5.9b		
NEIC	II	11 18 25 11.2–.15	4.03N	126.78E	35	5.8b,5.9b		
DJA	II	11 18 25 16	3.91N	126.89E	96	5.6b,5.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.5km s-min=7.8km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=158.7.
MOS Error ellipse: s-maj=9.2km s-min=4.5km az=117.3.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.1km az=69.0. Felt [III] in the Kepulauan Talaud.

(263) Talaud Islands

ISC	**II**	**11 19 01 56.7–.20**	**3.92N–.03**	**126.54E–.04**	**45**	**5.5b,5.5s**	**582**	**3-167**
BJI	II	11 19 01 51.1	3.45N	126.63E	38	5.8b,5.6s		**¶11671888**
MOS	II	11 19 01 53.2–1.0	3.82N	126.49E	33	5.7b,5.6s		
ISCJB	II	11 19 01 54.9–.14	3.91N–.02	126.64E–.03	45	5.5b,5.5s		
NEIC	II	11 19 01 55.4–.17	3.83N	126.48E	35	5.5b,5.5s		
IDC	II	11 19 01 55.3–1.7	3.83N	126.49E	33–12	5.3s,5.3		
DJA	II	11 19 02 01	3.72N	126.71E	77	5.5b,5.3		

ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=114.1.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.9km az=162.4.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=73.0. Felt [III] in the Kepulauan Talaud.
IDC Error ellipse: s-maj=13.0km s-min=8.5km az=75.0.

(263) Talaud Islands

ISC	**II**	**11 19 18 54.8–.48**	**3.96N–.03**	**126.74E–.06**	**32–3**	**4.9b**	**228**	**3-157**
IDC	II	11 19 18 49.9–.44	3.90N	126.64E	0	4.7,4.7		**¶13434487**
MOS	II	11 19 18 52.7–.92	3.89N	126.72E	33	5.2b,4.7		
ISCJB	II	11 19 18 52.6–.22	3.97N–.03	126.76E–.05	30	5.2s,4.8b		
BJI	II	11 19 18 52.0	3.70N	126.43E	32	5.9b,5.3s		
NEIC	II	11 19 18 54.9–.28	3.95N	126.83E	35	5.0b,5.3s		
DJA	II	11 19 19 00	3.77N	126.88E	57	4.9b,5.3s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=10.9km az=72.0.
MOS Error ellipse: s-maj=15.5km s-min=6.0km az=116.6.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.5km az=161.9.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=6.3km az=67.0. Felt [III] in the Kepulauan Talaud.

(263) Talaud Islands

ISC	**II**	**11 19 56 48.3–.39**	**4.00N–.04**	**126.65E–.05**	**31–2**	**5.5b,5.1s**	**543**	**3-159**
BJI	II	11 19 56 42.9	3.50N	126.63E	32	5.9b,5.4s		**¶11671896**
IDC	II	11 19 56 43.3–.33	3.91N	126.56E	0	5.2,5.2		
MOS	II	11 19 56 46.7–.92	3.91N	126.60E	33	5.6b,5.2		
ISCJB	II	11 19 56 46.4–.15	4.03N–.02	126.75E–.03	31	5.4b,5.1s		
NEIC	II	11 19 56 48.6–.17	3.96N	126.66E	35	5.5b,5.1s		
DJA	II	11 19 56 54	3.82N	126.85E	69	5.2b,5.1s		

ISC Event type fe.
IDC Error ellipse: s-maj=14.5km s-min=8.4km az=72.0.
MOS Error ellipse: s-maj=9.9km s-min=4.7km az=115.9.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.1km az=160.9.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=69.0. Felt [IV] in the Kepulauan Talaud.

(263) Talaud Islands

ISC	**II**	**11 20 09 33.5–.88**	**4.09N–.04**	**126.76E–.05**	**61–8**	**5.2b**	**476**	**3-167**
BJI	II	11 20 09 25.2	3.61N	126.78E	34	5.5b,5.4s		**¶13434492**
IDC	II	11 20 09 25.1–.34	4.05N	126.71E	0	5.0,5.0		
MOS	II	11 20 09 28.5–1.1	4.06N	126.71E	33	5.5b,5.0		
NEIC	II	11 20 09 30.2–.17	4.03N	126.74E	35	5.4b,5.0		
ISCJB	II	11 20 09 33.9–.43	4.11N–.02	126.78E–.03	80–3	5.1b,5.0		
DJA	II	11 20 09 36	3.99N	126.86E	78	5.2b,5.0		

ISC Event type fe.
IDC Error ellipse: s-maj=15.1km s-min=8.9km az=74.0.
MOS Error ellipse: s-maj=10.5km s-min=4.7km az=114.7.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.0km az=74.0. Felt [IV] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=171.2.

(263) Talaud Islands

ISC	**II**	**11 20 19 16.2–.41**	**3.92N–.06**	**126.5E–.10**	**45**	**4.8b**	**143**	**3-162**
BJI	II	11 20 19 07.1	3.34N	126.69E	26	5.3b,5.2s		**¶11671904**
IDC	II	11 20 19 09.9–.47	3.93N	126.45E	0	4.7,4.7		
ISCJB	II	11 20 19 14.5–.29	3.92N–.04	126.52E–.06	45	5.1s,4.7b		
NEIC	II	11 20 19 15.1–.25	3.92N	126.51E	35	4.9b,4.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=20.8km s-min=11.2km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.9km az=160.7.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=5.6km az=76.0. Felt [III] in the Kepulauan Talaud.

(263) Talaud Islands

ISC	**II**	**11 20 27 25.3–.54**	**3.71N–.04**	**126.63E–.06**	**33–2**	**5.0b**	**255**	**3-149**
BJI	II	11 20 27 22.3	3.63N	126.53E	30	5.5b,5.2s		**¶13434494**
IDC	II	11 20 27 23.9–3.9	3.70N	126.60E	24–25	4.7,4.7		
ISCJB	II	11 20 27 23.7–.22	3.78N–.03	126.65E–.04	33	5.1s,5.0b		
MOS	II	11 20 27 23.0–.82	3.69N	126.63E	33	5.3b,5.0b		
NEIC	II	11 20 27 25.3–.24	3.72N	126.60E	35	5.2b,5.0b		
DJA	II	11 20 27 32	3.53N	126.66E	71	5.0b,5.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.7km s-min=10.1km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=162.5.
MOS Error ellipse: s-maj=13.4km s-min=6.2km az=113.1.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.3km az=84.0. Felt [III] in the Kepulauan Talaud.

(124) Chile-Bolivia border region

ISC	**II**	**11 20 45 32.6–.21**	**20.25S–.03**	**68.91W–.04**	**109–1**	**5.3b**	**1071**	**1-173**
DJA	II	11 20 45 22	20.84S	68.54W	10	5.3b		**¶13434495**
ISCJB	II	11 20 45 29.6–.37	20.13S–.03	68.80W–.03	92–3	5.3b		
GUC	II	11 20 45 31.7–.70	20.34S	69.22W	117–5	5.5L		
MOS	II	11 20 45 31.8–1.1	19.92S	68.79W	103	5.4b		
IDC	II	11 20 45 32.8–.33	20.21S	68.90W	109–2	5.0,5.0		
NEIC	II	11 20 45 32.6–.15	20.25S	68.79W	109	5.3b,5.0		
BJI	II	11 20 45 33.0	20.20S	68.70W	109	5.5b,5.0		
LDG	II	11 20 45 33.5–.43	19.71S	68.82W	113	5.1b,5.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.0km az=139.1.
GUC Error ellipse: s-maj=1.8km s-min=6.8km az=-1.0.
MOS Error ellipse: s-maj=15.2km s-min=6.8km az=116.3.
IDC Error ellipse: s-maj=11.8km s-min=8.2km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=71.0. Felt [IV] at Alto Hospicio, Camina, Iquique and Pica; [III] at Arica, Cuya, La Tirana, Pozo Almonte and Ujina; [II] at Maria Elena, Pisagua and Tocopilla. Also felt at Tacna, Peru.
LDG Event type ke. Error ellipse: s-maj=25.9km s-min=14.9km az=30.0.

(221) Kuril Islands

ISC	**II**	**11 23 48 11.2–.40**	**44.04N–.04**	**147.84E–.04**	**41–2**	**4.9b,4.4s**	**472**	**1-153**
NIED	II	11 23 48 00	43.80N	147.70E	35	4.7W,4.4s		**¶13434512**
BJI	II	11 23 48 06.3	43.88N	148.27E	35	5.1b,4.9b		
JMA	II	11 23 48 08.6–.30	43.77N	147.66E	0	4.9,4.9b		
MOS	II	11 23 48 09.0–.93	44.06N	147.73E	36	5.1b,4.9b		
SKHL	II	11 23 48 09.6–.10	43.91N	148.04E	44–13	5.0b,4.9b		
ISCJB	II	11 23 48 10.2–.47	44.02N–.03	147.81E–.03	47–3	4.9b,4.6s		
IDC	II	11 23 48 10.2–4.7	44.07N	147.78E	33–35	4.5,4.5b		
NEIC	II	11 23 48 11.7–.61	44.08N	147.79E	45–5	4.9b,4.5b		
SZGRF	II	11 23 48 14.8	45.05N	147.82E	33	5.1b,4.5b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s47.00000°,δ77.00000°,λ92.00000°. NP2:ϕ_s217.00000°,δ14.00000°,λ80.00000°. M_o1.16000×10^{16}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=104.2.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.4km az=148.7.
IDC Error ellipse: s-maj=12.6km s-min=11.1km az=133.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=3.9km az=152.0. Recorded [1 JMA] in eastern Hokkaido.
SZGRF Kuril Islands, Russia.

(662) Sakhalin Island

SKHL	**II**	**12 01 51 33.5–.80**	**47.39N**	**142.06E**	**10**	**3.7b**		**¶14359065**

SKHL Event type fe. Felt (II) at Kholmsk.

(263) Talaud Islands

ISC	**II**	**12 03 49 40.9–.18**	**3.98N–.03**	**126.48E–.04**	**35–2**	**6.0b,5.8s**	**1376**	**3-169**
IDC	II	12 03 49 35.3–.34	3.95N	126.51E	0	5.7s,5.7b		**¶14189427**
MOS	II	12 03 49 38.3–.94	3.92N	126.50E	33	6.1b,5.8s		
ISCJB	II	12 03 49 39.5–.11	3.97N–.02	126.60E–.02	41	5.9b,5.8s		
BJI	II	12 03 49 39.6	4.01N	126.58E	35	6.1b,5.9s		
NEIC	II	12 03 49 39.7–.15	3.95N	126.41E	26	6.0b,6.0W		
TEH	II	12 03 49 41.0	3.88N	126.48E	42	6.0L,6.0W		
DJA	II	12 03 49 45	3.86N	126.76E	87	5.9W,6.0W		

ISC Event type fe.
IDC Error ellipse: s-maj=13.6km s-min=9.0km az=85.0.
MOS Error ellipse: s-maj=8.3km s-min=4.4km az=114.6.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=149.7.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.5km az=67.0. Felt [III] at Tahuna, Sangir and on Pulau Talaud. Felt [II PIVS] at Davao, Philippines. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s90 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s0.00000°,δ70.00000°,λ135.00000°. NP2: ϕ_s109.00000°,δ48.00000°,λ27.00000°. Principal axes: T 1.1600,Plg45.0000°,Azm315.0000° ; N -0.0200,Plg41.0000°,Azm161.0000°; P -1.1400,Plg13.0000°,Azm59.0000° M_o1.10000×10^{18}

(263) Talaud Islands

ISC	**II**	**12 13 15 07.3–.23**	**4.07N–.02**	**126.59E–.03**	**33–1**	**6.1b,6.1s**	**1425**	**3-169**
IDC	II	12 13 15 02.2–.31	4.03N	126.54E	0	6.0s,6.0		**¶12700271**
BJI	II	12 13 15 03.1	3.73N	126.66E	37	6.4b,6.1s		
ISCJB	II	12 13 15 05.8–.10	4.07N–.02	126.63E–.02	35	6.0s,6.0b		
MOS	II	12 13 15 05.4–1.0	4.03N	126.60E	33	6.2b,6.0b		
NEIC	II	12 13 15 06.3–.10	4.04N	126.55E	27	6.3W,6.2W		
TEH	II	12 13 15 08.0	4.06N	126.56E	35	6.4L,6.2W		
DJA	II	12 13 15 12	3.91N	126.74E	66	6.2W,6.2W		

ISC Event type fe.
IDC Error ellipse: s-maj=12.7km s-min=9.1km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=156.0.
MOS Error ellipse: s-maj=8.0km s-min=4.2km az=116.8.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.9km az=57.0. Felt [IV] at Melonguanne and [III] at Sangihe and in the Kepulauan Talaud. Also felt at Davao, Philippines. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000° ,δ70.00000°,λ100.00000°. NP2:ϕ_s163.00000°,δ22.00000°,λ64.00000°. Principal axes: T Plg64.0000°,Azm296.0000°; N Plg0.0000°,Azm0.0000°; P Plg24.0000°,Azm92.0000° Moment Tensor Solution. s65 Moment tensor: Scale 10^{18}Nm; M_{rr}1.56 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-1.75 $M_{r\theta}$0.53 $M_{\theta\phi}$1.18 $M_{\phi r}$0.77 Best double couple: NP1:ϕ_s1.00000°,δ59.00000°,λ126.00000°. NP2:ϕ_s127.00000°,δ46.00000°,λ46.00000°. Principal axes: T 2.0900,Plg58.0000° ,Azm324.0000°; N 0.2800,Plg30.0000°,Azm160.0000°; P -2.3700,Plg7.0000°,Azm66.0000° M_o2.20000×10^{18} Moment Tensor Solution. M_o4.40000×10^{18}

(210) South of Mariana Islands

ISC	**II**	**12 13 41 42.8–.31**	**12.23N–.04**	**143.89E–.04**	**35–1**	**5.5b,5.2s**	**846**	**2-168**
IDC	II	12 13 41 37.4–.37	12.18N	143.91E	0	5.3s,5.3		**¶11671984**
MOS	II	12 13 41 40.9–1.1	12.20N	143.77E	33	5.5b,5.3		
ISCJB	II	12 13 41 40.4–1.3	12.27N–.03	143.76E–.02	23–9	5.5b,5.2s		
BJI	II	12 13 41 40.6	12.20N	143.94E	36	5.6b,5.5s		
TEH	II	12 13 41 43.0	12.15N	143.80E	35	5.5L,5.5s		
NEIC	II	12 13 41 43.5–.13	12.15N	143.77E	40	5.5b,5.5s		
DJA	II	12 13 41 56	12.06N	143.98E	164	5.6b,5.5s		

ISC Event type fe.
IDC Error ellipse: s-maj=12.9km s-min=8.9km az=90.0.
MOS Error ellipse: s-maj=7.8km s-min=4.9km az=104.8.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=169.3.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.9km az=130.0. Felt at Barrigada, Hagatna, Santa Rita and Tamuning.

(263) Talaud Islands

ISC	**II**	**12 14 07 20.2–.30**	**4.08N–.04**	**126.73E–.05**	**45**	**4.9b,4.8s**	**276**	**1-123**
IDC	II	12 14 07 13.9–.43	4.00N	126.49E	0	4.8,4.8		**¶13434545**
BJI	II	12 14 07 14.6	3.59N	126.89E	43	5.4b,5.0s		
ISCJB	II	12 14 07 18.5–.19	4.09N–.03	126.80E–.04	45	4.9b,4.7s		
NEIC	II	12 14 07 18.9–.20	4.00N	126.57E	35	5.0b,4.7s		
DJA	II	12 14 07 26	3.75N	126.75E	60	5.0b,4.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=18.9km s-min=10.5km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.4km az=158.8.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=4.4km az=69.0. Felt [IV] at Melonguanne and [III] at Tahuna.

(263) Talaud Islands

ISC	**II**	**12 14 16 19.7–.32**	**3.72N–.03**	**126.56E–.05**	**41–2**	**5.3b,4.5s**	**453**	**3-145**
BJI	II	12 14 16 16.0	3.47N	126.48E	36	5.4b,5.2b		**¶13434548**
MOS	II	12 14 16 17.0–1.0	3.67N	126.47E	33	5.5b,5.2b		
ISCJB	II	12 14 16 17.3–.16	3.75N–.02	126.65E–.03	34	5.3b,4.5s		
NEIC	II	12 14 16 18.9–.18	3.69N	126.51E	35	5.3b,4.5s		
IDC	II	12 14 16 18.4–1.8	3.68N	126.47E	29–12	4.9,4.9		
DJA	II	12 14 16 24	3.65N	126.74E	88	5.2b,4.9		

ISC Event type fe.
MOS Error ellipse: s-maj=11.2km s-min=5.3km az=114.1.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=159.8.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.0km az=72.0. Felt [IV] at Melonguanne and [III] at Tahuna.
IDC Error ellipse: s-maj=16.8km s-min=8.8km az=76.0.

(228) Near east coast of eastern Honshu

ISC	**II**	**12 16 00 10.0–1.2**	**38.80N–.04**	**141.74E–.08**	**77–7**		**34**	**0-67**
ISCJB	II	12 16 00 10.1–.73	38.79N–.03	141.66E–.08	77–5	3.9b		**¶12700312**
IDC	II	12 16 00 11.7–3.6	39.42N	140.33E	0	4.0b,3.6		
JMA	II	12 16 00 11.1	38.79N	141.58E	75–1	3.4,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=4.9km az=15.2.
IDC Error ellipse: s-maj=73.5km s-min=31.0km az=110.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s202.00000°,δ73.00000°,λ82.00000°. NP2:ϕ_s49.00000°,δ19.00000°,λ116.00000°. Principal axes: T Plg61.0000°,Azm100.0000°; N Plg8.0000°,Azm205.0000°; P Plg28.0000° ,Azm299.0000°

(263) Talaud Islands

ISC	**II**	**12 16 57 54.7–.34**	**4.06N–.03**	**126.70E–.05**	**27–1**	**5.1b,4.2s**	**459**	**3-166**
BJI	II	12 16 57 48.9	3.58N	126.68E	24	5.1b,5.1b		**¶11671992**

IDC II 12 16 57 50.7–.35 4.03N 126.57E 0 4.9,4.9b
NEIC II 12 16 57 52.4–2.6 4.03N 126.65E 14–16 5.1b,4.9b
ISCJB II 12 16 57 53.7–.17 4.08N–.03 126.74E–.03 33 5.1b,4.2s
MOS II 12 16 57 53.8–.94 4.02N 126.58E 33 5.4b,4.2s
DJA II 12 16 58 01 3.86N 126.80E 69 5.0b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=8.6km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=3.8km az=72.0. Felt [II] at Tahuna.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.4km az=153.6.
MOS Error ellipse: s-maj=12.5km s-min=5.2km az=115.9.

(263) Talaud Islands

ISC II 12 17 46 04.6–.27 3.96N–.03 126.53E–.04 40–1 5.7b,5.2s 885 3-169
BJI II 12 17 45 59.7 3.70N 126.60E 32 5.6b,5.6b **¶14189438**
MOS II 12 17 46 02.4–1.1 3.98N 126.49E 33 5.8b,5.1s
IDC II 12 17 46 03.5–1.7 3.98N 126.48E 30–11 5.2,5.2
NEIC II 12 17 46 05.3–.78 3.98N 126.48E 44–7 5.7b,5.5W
ISCJB II 12 17 46 06.3–.39 3.94N–.02 126.60E–.03 69–3 5.5b,5.5W
DJA II 12 17 46 08 4.00N 126.73E 67 5.3W,5.5W
ISC Event type fe.
MOS Error ellipse: s-maj=9.0km s-min=4.3km az=114.9.
IDC Error ellipse: s-maj=12.5km s-min=8.1km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.6km az=74.0. Felt [III] at Tahuna. Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.45 $M_{r\theta}$0.68 $M_{\theta\phi}$1.09 $M_{\phi r}$1.11 Best double couple: NP1:ϕ_s4.00000°,δ66.00000°,λ128.00000°. NP2: ϕ_s123.00000°,δ44.00000°,λ37.00000°. Principal axes: T 2.2200,Plg53.0000°,Azm320.0000° ; N -0.0700,Plg33.0000°,Azm166.0000°; P -2.1600,Plg12.0000°,Azm68.0000° M_o2.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=161.7.

(456) Montana

ISC II 12 20 02 44.4–.65 45.87N–.02 106.69W–.02 0 102 0-17
ISCJB II 12 20 02 44.7–.20 45.85N–.01 106.66W–.02 0 **¶12700372**
IDC II 12 20 02 44.3–1.5 45.99N 107.13W 0 3.3,3.2
NEIC II 12 20 02 44.9–.59 45.94N 106.63W 0 2.8L,3.2
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.8km az=163.2.
IDC Error ellipse: s-maj=46.4km s-min=9.6km az=128.0.
NEIC Event type fm. Error ellipse: s-maj=8.9km s-min=7.2km az=143.0. NEAR Colstrip. Suspected Mining explosion.

(73) El Salvador

ISC II 13 01 42 14.0–.96 13.03N–.08 88.73W–.05 61–7 4.0b 97 1-147
ISCJB II 13 01 42 13.5–.56 12.99N–.08 88.72W–.05 71–3 3.9b **¶12700428**
NEIC II 13 01 42 14.9 13.03N 88.83W 50 4.4,4.1b
IDC II 13 01 42 14.8–1.7 13.13N 88.57W 67–15 3.8,3.7
CASC II 13 01 42 15.4–2.5 13.00N 88.81W 44–31 4.4L,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.7km s-min=4.4km az=30.8.
NEIC Event type fe. Felt [III] at Zacatecoluca. After SNET.
IDC Error ellipse: s-maj=26.3km s-min=9.7km az=47.0.
CASC Error ellipse: s-maj=15.7km s-min=6.9km az=-1.0.

(263) Talaud Islands

ISC II 13 02 24 26.6–.32 3.74N–.03 126.72E–.04 74–2 5.2b 476 3-169
IDC II 13 02 24 19.7–4.0 3.76N 126.65E 18–25 4.9,4.9 **¶11672872**
MOS II 13 02 24 20.2–1.1 3.77N 126.61E 33 5.5b,4.3s
BJI II 13 02 24 21.2 3.28N 126.85E 81 5.2b,5.0b
NEIC II 13 02 24 22.3–.18 3.74N 126.73E 35 5.3b,5.0b
ISCJB II 13 02 24 23.9–.46 3.77N–.02 126.77E–.03 66–4 5.2b,5.0b
DJA II 13 02 24 28 3.54N 126.76E 73 5.2W,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=15.7km s-min=9.5km az=75.0.
MOS Error ellipse: s-maj=10.8km s-min=5.3km az=112.5.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=71.0. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=159.4.

(263) Talaud Islands

ISC II 13 03 29 00.7–.33 3.71N–.04 126.76E–.05 81–2 4.9b 384 3-157
IDC II 13 03 28 50.2–.36 3.75N 126.43E 0 4.7,4.7 **¶13434571**
MOS II 13 03 28 54.0–1.1 3.81N 126.50E 33 5.1b,4.3s
NEIC II 13 03 28 55.6–.19 3.75N 126.61E 35 5.0b,4.3s
BJI II 13 03 28 55.9 3.34N 126.77E 86 5.2b,4.7b
ISCJB II 13 03 28 57.6–.48 3.81N–.02 126.76E–.04 68–4 4.8b,4.7b
DJA II 13 03 29 01 3.73N 126.88E 72 5.0b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=8.9km az=77.0.
MOS Error ellipse: s-maj=12.2km s-min=5.7km az=112.3.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=4.3km az=71.0. Felt [II] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.8km az=164.0.

(122) Near coast of northern Chile

ISC II 13 07 47 25.2–.74 23.02S–.04 70.66W–.06 26–4 4.8b,4.2s 478 0-176
IDC II 13 07 47 21.1–.56 22.98S 70.62W 0 4.6,4.5 **¶11672894**
GUC II 13 07 47 22.0–.91 23.09S 70.83W 28–7 4.9L,4.5
ISCJB II 13 07 47 23.6–.86 23.04S–.03 70.72W–.05 21–6 4.7b,4.2s
BJI II 13 07 47 23.8 23.67S 70.17W 27 5.5s,5.2
NEIC II 13 07 47 25.3–2.1 23.09S 70.61W 26–15 4.8b,5.2
ISC Event type fe.
IDC Error ellipse: s-maj=19.0km s-min=14.7km az=77.0.
GUC Error ellipse: s-maj=5.7km s-min=9.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.7km az=172.2.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=6.1km az=78.0. Felt at Antofagasta.

(112) Peru-Brazil border region

ISC II 13 13 18 36.8–.31 8.51S–.04 74.01W–.05 165–2 5.1b 1070 4-171
MOS II 13 13 18 34.9–.80 8.42S 74.05W 154 5.2b **¶11672909**
ISCJB II 13 13 18 35.5–.60 8.46S–.04 74.05W–.03 162–5 5.0b
BJI II 13 13 18 35.2 7.85S 74.18W 147 5.2b
NEIC II 13 13 18 36.2–.45 8.52S 73.99W 157–4 5.2b
IDC II 13 13 18 37.5–.39 8.51S 74.08W 170–3 4.7,4.7
ISC Event type fe.
MOS Error ellipse: s-maj=7.8km s-min=5.1km az=96.1.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.5km az=26.7.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=220.0. Felt at Lima and Pucallpa, Peru.
IDC Error ellipse: s-maj=9.3km s-min=7.6km az=46.0.

(259) Mindanao

ISC II 13 14 09 58.4–1.7 9.88N–.04 126.05E–.07 15–10 3.8b 44 1-94
IDC II 13 14 09 55.7–.87 9.90N 126.10E 0 3.9,3.8 **¶12700527**
NEIC II 13 14 09 57.5–.50 9.87N 125.88E 10 4.1b,3.8
MAN II 13 14 10 04 9.93N 126.09E 39 5.3b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=42.2km s-min=20.6km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=20.7km s-min=8.6km az=65.0. Felt [II PIVS] at Dapa and [I PIVS] at Surigao.
MAN Event type fe. INTENSITY II - DAPA SIARGAO; INTENSITY I -SURIGAO CITY.

(163) Cook Strait

WEL II 13 16 10 05.0–.09 40.16S 174.90E 12 3.7L
NEIC II 13 16 10 00.0 40.16S 174.91E 12 3.7L **¶12083198**
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.6km az=90.0. Felt from Wanganui to Manawatu, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Wanganui. After WEL.

(115) Near coast of Peru

NEIC II 13 16 41 02.0 12.33S 77.33W 36 4.1b,3.8L
¶14189456
NEIC Event type fe. Felt [II] at Barranca and Lima. Also felt at Chilca and Chosica. After ARE.

(97) Near coast of Venezuela

ISC II 13 21 22 13.8–1.2 10.97N–.03 62.01W–.03 30–12 3.8b 74 0-80
NEIC II 13 21 22 00.0 10.98N 62.00W 22 3.6 **¶12700586**
TRN II 13 21 22 14.7 10.98N 61.96W 21 3.7
IDC II 13 21 22 15.6–6.0 11.12N 62.23W 75–41 3.6,3.4
FUNV II 13 21 22 15.2 10.80N 61.86W 49 3.8W,3.4
ISC Event type fe.
NEIC Event type fe. Felt at Diego Martin, Maraval, and Santa Cruz, Trinidad. After TRN.
TRN Event type fe. Felt II in Northern Trinidad.
IDC Error ellipse: s-maj=43.6km s-min=30.3km az=35.0.

(58) Near coast of Guerrero

ISC II 13 23 00 12.8–1.3 16.46N–.05 99.60W–.03 14–8 3.6b 66 0-50
IDC II 13 23 00 10.7–7.0 16.24N 99.55W 0 4.1,4.0L **¶12700597**
ISCJB II 13 23 00 12.6–.74 16.48N–.04 99.60W–.03 28–6 4.0s,3.7b
NEIC II 13 23 00 15.0 16.46N 99.64W 19 4.5,4.2b
MEX II 13 23 00 15.0–.74 16.45N 99.64W 20–3 4.5,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=137.1km s-min=21.5km az=8.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.0km az=26.1.
NEIC Event type fe. Felt at Acapulco. After MEX.
MEX Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.

(55) Near coast of Jalisco

MEX II 14 05 08 38.8–2.4 18.83N 104.01W 5 3.9
NEIC II 14 05 08 38.8 18.81N 104.03W 5 3.8,3.5b **¶14189474**
MEX Error ellipse: s-maj=9.7km s-min=15.9km az=-1.0.
NEIC Event type fe. Felt at Manzanillo, Pihuamo and Tecoman. After MEX.

(109) Near coast of northern Peru

ISC II 14 05 24 55.5–.43 5.93S–.07 80.82W–.07 30 4.4b,3.8s 185 3-158
ISCJB II 14 05 24 54.3–.34 5.91S–.07 80.78W–.07 30 4.4b,3.9s **¶11673081**
BJI II 14 05 24 58.4 5.80S 80.80W 45 5.4s,5.4b
NEIC II 14 05 24 59.2–.88 5.86S 80.75W 57–8 4.6b,5.4b
IDC II 14 05 24 59.6–2.4 5.94S 80.94W 69–21 3.9,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=5.4km az=136.1.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=5.6km az=51.0. Felt at Piura and Sechura.
IDC Error ellipse: s-maj=27.3km s-min=13.8km az=50.0.

(263) Talaud Islands

ISC II 14 07 25 17.5–.38 3.76N–.04 126.88E–.07 48 4.7b,3.8s 139 3-123
IDC II 14 07 25 11.2–.51 3.64N 126.50E 0 4.5,4.5 **¶11673084**
BJI II 14 07 25 13.4 3.54N 126.94E 35 5.2b,4.9s
ISCJB II 14 07 25 16.0–.28 3.74N–.03 126.90E–.05 48 4.6b,3.9s
NEIC II 14 07 25 16.4–.31 3.71N 126.61E 35 4.8b,3.9s
DJA II 14 07 25 21 3.53N 126.81E 47 4.6b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=27.0km s-min=11.7km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.0km az=172.9.
NEIC Event type fe. Error ellipse: s-maj=16.1km s-min=6.3km az=71.0. Felt [II] at Melonguanne.

(89) Mona Passage

ISC II 14 07 48 38.0–.22 18.46N–.04 68.95W–.04 123–1 5.0b 1315 1-158
LDG II 14 07 48 36.3–.43 18.38N 68.98W 125 4.7b,3.6s **¶13434615**
MOS II 14 07 48 37.1–.95 18.48N 68.93W 127 4.9b,3.6s
ISCJB II 14 07 48 37.5–.17 18.51N–.02 68.94W–.01 128–2 5.0b,3.6s
RSPR II 14 07 48 38.9 18.67N 68.92W 122–1 4.9,3.6s
IDC II 14 07 48 38.1–.31 18.47N 68.94W 122–2 4.6,4.6
NEIC II 14 07 48 38.9 18.67N 68.92W 122 5.1b,4.8
BJI II 14 07 48 38.0 18.70N 68.90W 121 5.1b,4.8
SZGRF II 14 07 48 55.8 18.08N 69.13W 33 4.9b,4.8
JSN II 14 07 50 02.9–1.1 18.54N 75.71W 0–157 4.9b,4.8
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=21.0km s-min=13.0km az=81.0.
MOS Error ellipse: s-maj=5.8km s-min=4.8km az=118.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=1.9km az=17.8.
RSPR Event type ke.
IDC Error ellipse: s-maj=8.5km s-min=5.8km az=33.0.
NEIC Event type fe. Felt [IV] at Higuey, [III] at La Romana and [II] at Las Terrenas, San Pedro de Macoris and Santo Domingo. Also felt at Azua, Constanza, El Seibo, El Valle, La Vega, Otra Banda, Pedro Sanchez, Puerto Plata, Sanchez, Santiago and Sosua. Felt [V] at Mayaguez, Puerto Rico. Also felt at Adjuntas, Aguada, Anasco, Bayamon, Caguas, Cayey, Corozal, Gurabo, Lajas, Morovis, Naranjito, Ponce, San Juan and Utuado. After RSPR.
SZGRF Dominican Republic region.
JSN Error ellipse: s-maj=58.2km s-min=137.8km az=-1.0.

(263) Talaud Islands

ISC II 14 08 03 37.8–.46 4.07N–.04 126.78E–.06 34–1 4.6b,4.1s 163 3-149
BJI II 14 08 03 29.5 3.31N 126.93E 35 5.1b,4.7s **¶11673086**
ISCJB II 14 08 03 35.8–.24 4.09N–.02 126.85E–.04 32 4.6b,4.1s
NEIC II 14 08 03 37.5–.39 4.06N 126.78E 35 4.6b,4.1s
IDC II 14 08 03 42.2–1.7 3.92N 126.47E 79–15 4.2,4.2
DJA II 14 08 03 44 3.72N 126.69E 38 4.8b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=171.2.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=7.5km az=78.0. Felt [III] at Melonguanne.
IDC Error ellipse: s-maj=19.6km s-min=8.2km az=78.0.

(76) Off coast of central America

ISC II 14 12 33 40.2–.66 12.87N–.06 88.87W–.04 55–4 4.5b,3.4s 392 1-148
ISCJB II 14 12 33 40.3–.54 12.90N–.05 88.81W–.04 63–3 4.5b,3.4s **¶11673092**
BJI II 14 12 33 40.8 12.90N 88.90W 52 5.4b,5.3s
NEIC II 14 12 33 40.5–.38 12.87N 88.83W 53 4.9,4.6b
CASC II 14 12 33 41.1–1.4 12.89N 88.89W 35–16 4.8L,4.6b
IDC II 14 12 33 45.2–2.3 13.09N 88.54W 95–19 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.6km az=29.2.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=4.7km az=37.0. Felt [IV] at San Salvador. Also felt at Antiguo Cuscatlan, La Libertad and Santa Ana. Felt at Tegucigalpa, Honduras.
CASC Error ellipse: s-maj=10.7km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=24.3km s-min=10.5km az=55.0.

(471) Ohio

NEIC II 14 13 16 27.2 41.84N 81.00W 5 2.6,2.6
OTT II 14 13 16 27.3–.07 41.84N 81.00W 5 2.6,2.6 **¶11678018**
NEIC Event type fe. Felt in the Madison area. After OGSO.
OTT Event type ke. South shore Lake Erie 93km south from Port Stanley, On Eastern Background Seismic Zone.

(116) Central Peru

NEIC II 15 00 59 58.0 13.44S 71.75W 33 3.9L,3.6b
¶14189509
NEIC Event type fe. Felt [III] at Paruro and [II] at Cusco. After ARE.

(228) Near east coast of eastern Honshu

ISC II 15 09 24 33.0–.23 40.26N–.02 142.31E–.02 45–1 6.1b,5.6s 2163 0-162
NIED II 15 09 24 00 40.30N 142.50E 44 5.7W,5.6s **¶13434657**
MOS II 15 09 24 30.7–.86 40.36N 142.28E 33 6.4b,5.5s
BJI II 15 09 24 31.5 40.12N 142.21E 51 5.9b,5.9b
NEIC II 15 09 24 31.7–.08 40.24N 142.24E 33 6.1b,5.8
JMA II 15 09 24 32.2–.10 40.25N 142.42E 36–1 5.9,5.8
ISCJB II 15 09 24 33.2–.23 40.28N–.02 142.27E–.02 56–2 6.0b,5.6s
SZGRF II 15 09 24 33.9 40.92N 143.45E 45 6.2b,5.4s
IDC II 15 09 24 33.4–.36 40.26N 142.29E 46–3 5.6,5.6
TEH II 15 09 24 34.0 40.27N 142.23E 47 5.9L,5.6
BGS II 15 09 24 34.3–1.4 40.41N 141.00E 33 6.0b,5.4s
DJA II 15 09 24 48 40.04N 141.56E 146 5.7W,5.4s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ72.00000°,λ92.00000°. NP2:ϕ_s198.00000°,δ18.00000°,λ85.00000°. M_o4.06000×10^{17}
MOS Error ellipse: s-maj=5.9km s-min=3.7km az=104.2.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=148.0. Felt [IV] at Misawa and [III] at Aomori. Also felt at Akita, Furukawa, Goshogawara, Hachinohe, Iwate, Mitsuke and Sendai. Felt at Hakodate, Obihiro and Sapporo, Hokkaido. Recorded [4 JMA] in Aomori; [3 JMA] in Akita, Iwate and Miyagi; [2 JMA] in Fukushima and Yamagata; [1 JMA] in Chiba and Saitama. Also recorded [3 JMA] in southwestern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}2.01 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-2.48 $M_{r\theta}$1.57 $M_{\theta\phi}$-0.78 $M_{\phi r}$2.18 Best double couple: NP1:ϕ_s32.00000°,δ71.00000°,λ106.00000°. NP2: ϕ_s171.00000°,δ25.00000°,λ52.00000°. Principal axes: T 3.4000,Plg61.0000°,Azm325.0000° ; N 0.3900,Plg14.0000°,Azm206.0000°; P -3.7900,Plg23.0000°,Azm109.0000° M_o3.60000×10^{17} Moment Tensor Solution. M_o4.10000×10^{17}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s42.00000°,δ62.00000°,λ104.00000°. NP2:ϕ_s195.00000°,δ31.00000°,λ66.00000°. Principal axes: T Plg70.0000°,Azm341.0000°; N Plg12.0000°,Azm215.0000°; P Plg16.0000° ,Azm122.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=168.6.
SZGRF Off east coast of Honshu, Japan.
IDC Error ellipse: s-maj=10.2km s-min=7.7km az=103.0.

BGS Error ellipse: s-maj=187.8km s-min=426.0km az=-1.0.

(109) Near coast of northern Peru

ISC	**II**	**15 10 04 50.2–.40**	**5.82S–.04**	**80.92W–.05**	**30–2**	**5.8b,5.7s**	**1496**	**3-178**
BGS	II	15 10 04 42.5–1.4	6.17S	82.68W	20	6.0b,5.6s		**¶11677912**
IDC	II	15 10 04 46.0–.41	5.78S	80.98W	0	5.7,5.7		
ISCJB	II	15 10 04 49.6–.89	5.78S–.03	80.91W–.02	33–7	5.7b,5.7s		
NEIC	II	15 10 04 49.3–.12	5.85S	80.89W	21	6.1W,5.9W		
MOS	II	15 10 04 50.2–.75	5.68S	80.91W	33	6.0b,5.6s		
BJI	II	15 10 04 50.4	5.90S	80.90W	34	6.1s,6.0b		
SZGRF	II	15 10 04 53.4	5.60S	80.47W	33	5.7b,5.6s		

ISC Event type fe.
BGS Error ellipse: s-maj=694.3km s-min=478.0km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=10.1km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.1km az=29.9.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=50.0. Felt [IV] at Sechura; [III] at Paita and Piura; [II] at Cajamarca, Chulucanas, Huancabamba, Mancora and Sullana. Also felt at Ayabaca, Catacaos, Chiclayo, Chota, Colan, Jaen, La Union, Marcavelica, Morrope, Morropon, Olmos, Pucara, Querecotillo, Talara, Tambo Grande, Trujillo, Tumbes and Zorritos. Felt [II] at Guayaquil, Ecuador. Also felt at Cuenca, Machala and Playas. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s75 Moment tensor: Scale 10^{17}Nm; M_{rr}5.13 $M_{\theta\theta}$0.37 $M_{\phi\phi}$-5.50 $M_{r\theta}$1.06 $M_{\theta\phi}$-2.19 $M_{\phi r}$-6.02 Best double couple: NP1:ϕ_s40.00000°,δ27.00000°,λ130.00000°. NP2:ϕ_s178.00000°,δ70.00000°,λ72.00000°. Principal axes: T 8.2900,Plg61.0000° ,Azm60.0000°; N 0.2000,Plg16.0000°,Azm183.0000°; P -8.5000,Plg22.0000°,Azm281.0000° M_o8.40000×10^{17} Moment Tensor Solution. M_o2.50000×10^{18}
MOS Error ellipse: s-maj=6.9km s-min=4.4km az=90.8.
SZGRF Near coast of northern Peru.

(29) Off east coast of Honshu

ISC	**II**	**15 12 54 13.3–2.7**	**37.72N–.05**	**142.15E–.07**	**24–18**	**4.0b**	**76**	**1-89**
NIED	II	15 12 54 00	37.70N	142.10E	32	3.9W		**¶12700794**
ISCJB	II	15 12 54 12.4–.77	37.69N–.03	142.26E–.05	33–7	4.0b		
JMA	II	15 12 54 13.1–.10	37.70N	142.14E	33–2	4.5		
NEIC	II	15 12 54 13.1	37.70N	142.14E	33	4.5b,3.9W		
IDC	II	15 12 54 15.3–2.4	37.67N	142.22E	39–22	3.9,3.8L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ84.00000°,λ-93.00000°. NP2:ϕ_s173.00000°,δ7.00000°,λ-66.00000°. M_o8.38000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.6km az=19.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Recorded [1 JMA] in Miyagi. After JMA. Moment Tensor Solution. M_o8.40000×10^{14}
IDC Error ellipse: s-maj=17.7km s-min=12.5km az=113.0.

(76) Off coast of central America

ISC	**II**	**15 14 28 22.9–.77**	**12.60N–.07**	**88.35W–.05**	**57–7**	**4.1b**	**183**	**1-148**
NEIC	II	15 14 28 19.1–.90	12.77N	88.23W	15	4.4,4.2b		**¶12700805**
ISCJB	II	15 14 28 22.7–.45	12.60N–.05	88.31W–.04	69–2	4.1b,4.2b		
CASC	II	15 14 28 22.2–2.3	12.59N	88.49W	7–9	4.3L,4.2		
IDC	II	15 14 28 23.0–.96	12.82N	88.17W	56–7	3.9,3.7		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=40.7km s-min=10.1km az=46.0. Felt [II] at Usulutan.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=3.8km az=36.8.
CASC Error ellipse: s-maj=4.9km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=39.7km s-min=10.2km az=46.0.

(228) Near east coast of eastern Honshu

ISC	**II**	**15 15 46 14.5–.85**	**40.32N–.04**	**141.95E–.08**	**72–7**	**3.6b**	**34**	**0-75**
NIED	II	15 15 46 00	40.30N	142.00E	62	4.2W		**¶12700811**
ISCJB	II	15 15 46 13.4–.53	40.33N–.03	141.97E–.09	77–4	3.5b		
JMA	II	15 15 46 14.5–.10	40.31N	141.96E	72–1	3.7		
IDC	II	15 15 46 15.5–2.1	40.44N	141.81E	75–19	3.8s,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ77.00000°,λ93.00000°. NP2:ϕ_s360.00000°,δ14.00000°,λ77.00000°. M_o2.26000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.7km az=3.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=20.6km s-min=12.8km az=112.0.

(230) Near south coast of eastern Honshu

ISC	**II**	**15 18 06 37.3–.79**	**34.86N–.04**	**139.82E–.03**	**46–6**	**3.6b**	**40**	**0-75**
NIED	II	15 18 06 00	34.90N	139.80E	41	3.5W		**¶12700822**
ISCJB	II	15 18 06 36.3–.35	34.86N–.04	139.84E–.04	54–3	3.6b		
JMA	II	15 18 06 36.6–.10	34.87N	139.86E	48–1	3.5		
IDC	II	15 18 06 38.5–1.3	34.81N	139.74E	58–12	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ70.00000°,λ95.00000°. NP2:ϕ_s203.00000°,δ21.00000°,λ77.00000°. M_o2.28000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.3km az=28.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s35.00000°,δ53.00000°,λ103.00000°. NP2: ϕ_s194.00000°,δ39.00000°,λ73.00000°. Principal axes: T Plg77.0000°,Azm352.0000° ; N Plg11.0000°,Azm207.0000°; P Plg7.0000°,Azm116.0000°
IDC Error ellipse: s-maj=28.5km s-min=5.6km az=72.0.

(2) Southern Alaska

ISC	**II**	**15 19 34 57.9–.52**	**61.65N–.02**	**146.42W–.02**	**30–3**	**4.5b,3.6s**	**411**	**0-147**
SZGRF	II	15 19 34 49.9	60.16N	146.02W	33	4.8b,3.6s		**¶15959435**
IDC	II	15 19 34 53.1–.64	61.74N	146.70W	0	4.2,4.1		
BJI	II	15 19 34 54.5	61.65N	146.20W	27	5.0s,5.0b		
MOS	II	15 19 34 57.8–1.6	62.54N	147.57W	10	4.9b,5.0b		
ISCJB	II	15 19 34 58.5–.19	61.67N–.02	146.42W–.04	45–2	4.4b,3.7s		
NEIC	II	15 19 35 00.1	61.60N	146.33W	37	4.5b,4.5W		

ISC Event type fe.
SZGRF Southern Alaska, United States.
IDC Error ellipse: s-maj=17.4km s-min=9.0km az=27.0.
MOS Error ellipse: s-maj=23.8km s-min=6.2km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.3km az=37.6.
NEIC Event type fe. Felt [III] at Valdez. Also felt at Anchorage, Chitina, Chugiak, Copper Center, Eagle River, Glennallen, Talkeetna and Trapper Creek. After AEIC. Moment Tensor Solution. M_o6.80000×10^{15}

(348) Northern and central Iran

ISC	**II**	**15 21 22 19.9–.75**	**30.99N–.03**	**57.12E–.02**	**16–4**	**4.7b,3.8s**	**549**	**1-91**
IDC	II	15 21 22 16.9–.46	30.93N	57.13E	0	4.5,4.5		**¶11677942**
CSEM	II	15 21 22 18.5–.11	31.07N	57.11E	2	4.8b,4.6s		
ISCJB	II	15 21 22 19.3–.68	31.02N–.02	57.07E–.02	21–5	4.6b,3.8s		
THR	II	15 21 22 19.2–.38	31.06N	57.00E	18–3	4.6L,3.8s		
MOS	II	15 21 22 20.9–1.3	30.95N	57.16E	33	4.9b,3.8s		
TEH	II	15 21 22 20.0	31.09N	57.03E	2	4.9L,3.8s		
NEIC	II	15 21 22 22.0	31.07N	57.07E	18	4.9b,4.9		
BJI	II	15 21 22 23.7	31.25N	56.89E	73	5.0b,4.7b		
SZGRF	II	15 21 22 23.5	31.17N	56.48E	12	4.8b,4.7b		
OMAN	II	15 21 22 24.8–10	30.89N	57.19E	49–0	4.8b,4.7b		
DJA	II	15 21 22 30	30.82N	57.23E	95	4.5b,4.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=10.3km az=11.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=142.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=29.7.
THR Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0.
MOS Error ellipse: s-maj=6.6km s-min=4.5km az=114.6.
NEIC Event type fe. Felt [II] at Kerman. Also felt at Bardsir and Zarand. After TEH.
SZGRF Northern and central Iran.
OMAN Error ellipse: s-maj=3.6km s-min=1.5km az=239.0.

(228) Near east coast of eastern Honshu

ISC	**II**	**15 22 39 05.0–.96**	**38.19N–.05**	**141.69E–.08**	**57–7**	**3.8b**	**33**	**0-74**
NIED	II	15 22 39 00	38.20N	141.70E	68	4.4W		**¶12700838**
ISCJB	II	15 22 39 03.0–.86	38.17N–.04	141.73E–.09	55–6	3.6b		
JMA	II	15 22 39 03.9–.10	38.18N	141.69E	50–1	4.0		
IDC	II	15 22 39 06.2–1.7	38.12N	141.68E	71–8	3.5,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ84.00000°,λ-124.00000°. NP2:ϕ_s76.00000°,δ34.00000°,λ-11.00000°. M_o4.51000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=5.5km az=19.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=44.2km s-min=17.5km az=74.0.

(39) Central California

ISC	**II**	**16 01 03 37.4–1.2**	**35.27N–.02**	**119.42W–.03**	**1–9**	**3.6b**	**77**	**0-79**
NEIC	II	16 01 03 39.0	35.30N	119.43W	15	3.9L		**¶11678024**
IDC	II	16 01 03 39.1–1.6	35.40N	119.53W	0	3.7,3.6		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Buttonwillow, Fellows, Taft and Tupman and [II] at Bakersfield. Also felt at Arvin and Maricopa. After PAS.
IDC Error ellipse: s-maj=24.7km s-min=16.4km az=86.0.

(127) Chile-Argentina border region

ISC	**II**	**16 02 22 48.6–.34**	**29.10S–.03**	**69.83W–.04**	**82–2**	**5.6b**	**1227**	**1-179**
DJA	II	16 02 22 41	29.70S	69.65W	10	5.6b		**¶11678027**
MOS	II	16 02 22 47.3–.86	28.86S	69.77W	72	5.9b		
LDG	II	16 02 22 47.7–.24	28.73S	69.98W	80	5.4b,4.0s		
ISCJB	II	16 02 22 47.4–.39	29.02S–.03	69.69W–.04	79–3	5.5b,4.0s		
BJI	II	16 02 22 48.3	29.00S	69.60W	84	5.3s,5.3b		
NEIC	II	16 02 22 50.0	29.13S	69.81W	75	5.7b,5.6		
GUC	II	16 02 22 50.5–.77	29.13S	69.81W	75	5.6L,5.6		
IDC	II	16 02 22 52.4–.70	29.13S	69.84W	111–6	5.2,5.1		

ISC Event type fe.
MOS Error ellipse: s-maj=10.2km s-min=6.0km az=96.8.
LDG Event type ke. Error ellipse: s-maj=23.4km s-min=11.8km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.1km az=163.1.
NEIC Event type fe. Felt [III] at La Rioja and San Juan. Felt [IV] at Coquimbo, La Higuera, La Serena and Vicuna; [III] at Copiapo and Vallenar; [II] at Alto del Carmen, Caldera, Chanaral, Freirina and Huasco, Chile. Also felt at Diego de Almagro, Ovalle and Salamanca. After GUC.
GUC Error ellipse: s-maj=2.0km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=15.7km s-min=8.5km az=70.0.

(218) Near east coast of Kamchatka Peninsula

ISC	**II**	**16 06 05 54.7–.34**	**54.70N–.03**	**161.90E–.03**	**58–2**	**4.9b,4.2s**	**1024**	**0-151**
BGS	II	16 06 05 36.0–2.1	52.39N	167.99E	40	4.8b,4.2s		**¶13434676**
IDC	II	16 06 05 47.0–.39	54.79N	161.86E	0	4.8,4.8		
BJI	II	16 06 05 50.5	54.89N	162.41E	56	5.0b,4.7s		
MOS	II	16 06 05 50.5–1.1	54.82N	161.75E	31	5.2b,4.0s		
KRSC	II	16 06 05 50.8–.10	54.62N	162.18E	28–18	5.1L,4.0s		
ISCJB	II	16 06 05 53.9–.25	54.70N–.02	161.85E–.02	63–2	4.8b,4.0s		
NEIC	II	16 06 05 54.2–.65	54.78N	161.73E	47–6	4.9b,4.0s		
SZGRF	II	16 06 05 59.8	55.86N	162.30E	33	5.2b,4.0s		

ISC Event type fe.
BGS Error ellipse: s-maj=681.1km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=11.7km s-min=9.1km az=167.0.
MOS Error ellipse: s-maj=9.4km s-min=5.0km az=82.5.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=154.2.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=2.9km az=172.0. Felt at Petropavlovsk-Kamchatskiy and Ust'-Kamchatsk.
SZGRF Near east coast of Kamchatka Peninsula, Russia.

(569) Lake Victoria region

ISC	**II**	**16 08 24 23.6–.35**	**3.92S–.05**	**34.85E–.05**	**22**	**4.8b,4.3s**	**304**	**4-158**
IDC	II	16 08 24 20.5–.50	3.87S	34.77E	0	4.5,4.4		**¶13434678**
MOS	II	16 08 24 20.3–.90	3.86S	34.87E	10	5.0b,4.3s		
NEIC	II	16 08 24 22.0–.23	3.95S	34.84E	10	5.0b,4.3s		
ISCJB	II	16 08 24 21.8–.24	3.93S–.03	34.80E–.04	22	4.7b,4.3s		
BJI	II	16 08 24 23.4	3.26S	34.83E	15	5.2b,5.1s		
DJA	II	16 08 24 23.2–.60	4S–14	35E–22	10	5.9,5.5		
SZGRF	II	16 08 24 26.7	3.59S	34.48E	33	4.8b,4.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=10.0km az=66.0.
MOS Error ellipse: s-maj=11.8km s-min=5.5km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=5.1km az=95.0. Felt at Haidom, Monduli and Shinyanga. Also felt at Nairobi, Kenya.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=0.9.
SZGRF Lake Victoria region.

(227) Eastern Honshu

ISC	**II**	**16 13 59 17.6–.76**	**35.42N–.03**	**138.56E–.03**	**21–3**	**3.5b**	**27**	**0-125**
NIED	II	16 13 59 00	35.40N	138.60E	17	3.8W		**¶11678045**
IDC	II	16 13 59 14.5–.91	35.33N	138.37E	0	3.7,3.5		
ISCJB	II	16 13 59 17.2–.41	35.40N–.03	138.56E–.04	27–3	3.9s,3.5b		
JMA	II	16 13 59 17.9	35.41N	138.55E	20–1	3.8,3.5b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s275.00000°,δ65.00000°,λ113.00000°. NP2:ϕ_s50.00000°,δ34.00000°,λ51.00000°. M_o5.34000×10^{14}
IDC Error ellipse: s-maj=31.6km s-min=11.5km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.7km az=161.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s264.00000°,δ47.00000°,λ105.00000°. NP2:ϕ_s62.00000°,δ45.00000°,λ74.00000°. Principal axes: T Plg79.0000°,Azm247.0000°; N Plg11.0000°,Azm73.0000°; P Plg1.0000° ,Azm343.0000°

(193) Bougainville - Solomon Islands region

ISC	**II**	**16 15 02 45.0–.83**	**8.72S–.08**	**157.72E–.08**	**36–3**	**4.7b,4.2s**	**134**	**2-156**
ISCJB	II	16 15 02 39.8–1.7	8.55S–.06	157.61E–.06	9–11	4.7b,4.2s		**¶11678047**
IDC	II	16 15 02 39.5–.55	8.67S	157.66E	0	4.6,4.6		
BJI	II	16 15 02 44.2	8.42S	157.59E	32	5.2b,5.1s		
NEIC	II	16 15 02 44.9–.30	8.58S	157.65E	35	5.0b,5.1s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=9.2km az=138.6.
IDC Error ellipse: s-maj=18.3km s-min=14.7km az=115.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=7.3km az=125.0. Felt on Rendova.

(2) Southern Alaska

ISC	**II**	**16 19 49 36.1–.77**	**61.73N–.03**	**150.76W–.03**	**73–6**	**4.0b**	**93**	**0-64**
ISCJB	II	16 19 49 34.8–.24	61.74N–.02	150.75W–.05	82–3	3.8b		**¶12700937**
IDC	II	16 19 49 35.7–1.6	61.75N	150.84W	71–29	3.6,3.5		
NEIC	II	16 19 49 37.1	61.74N	150.79W	66	3.5L,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=37.4.
IDC Error ellipse: s-maj=44.0km s-min=10.0km az=113.0.
NEIC Event type fe. Felt at Anchorage, Chugiak, Girdwood, Talkeetna and Wasilla. After AEIC.

(228) Near east coast of eastern Honshu

ISC	**II**	**16 19 54 27.5–.48**	**35.16N–.04**	**140.09E–.03**	**30–3**	**4.8b,4.1s**	**551**	**0-152**
NIED	II	16 19 54 00	35.30N	140.30E	20	4.5W,4.1s		**¶13434682**
BJI	II	16 19 54 23.1	35.12N	140.50E	33	4.9b,4.6s		
NEIC	II	16 19 54 25.9–2.0	35.14N	140.00E	18–12	4.9b,4.5W		
MOS	II	16 19 54 26.8–1.1	35.23N	140.09E	33	4.9b,4.0s		
ISCJB	II	16 19 54 27.1–.44	35.17N–.03	139.96E–.02	31–3	4.7b,4.1s		
JMA	II	16 19 54 28.0–.10	35.28N	140.23E	31–1	4.6,4.1s		
IDC	II	16 19 54 30.1–1.1	35.07N	140.10E	53–10	4.4,4.3		
SZGRF	II	16 19 54 34.2	34.57N	138.20E	56	4.9b,4.3		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ73.00000°,λ-80.00000°. NP2:ϕ_s11.00000°,δ20.00000°,λ-119.00000°. M_o6.74000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=4.2km az=151.0. Felt at Ebina, Narashino, Yokohama, Yokosuka and Zushi. Recorded [4 JMA] in Chiba; [2 JMA] in Kanagawa, Saitama, Shizuoka and Tokyo; [1 JMA] in Ibaraki, Tochigi and Yamanashi. Also recorded [2 JMA] on O-shima and [1 JMA] on Miyake-jima and To-shima. Moment Tensor Solution. M_o6.70000×10^{15}
MOS Error ellipse: s-maj=8.6km s-min=4.7km az=111.1.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.3km az=176.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000°,δ55.00000°,λ-113.00000°. NP2: ϕ_s218.00000°,δ41.00000°,λ-61.00000°. Principal axes: T Plg7.0000°,Azm108.0000° ; N Plg19.0000°,Azm16.0000°; P Plg70.0000°,Azm217.0000°
IDC Error ellipse: s-maj=12.4km s-min=5.9km az=74.0.
SZGRF Near south coast of eastern Honshu, Japan.

(321) Southern Xinjiang

ISC	**II**	**16 23 13 52.7–.58**	**38.75N–.03**	**75.52E–.04**	**30–3**	**4.5b,4.2s**	**253**	**1-154**
IDC	II	16 23 13 50.0–3.0	38.63N	75.59E	17–17	4.5,4.4		**¶13434688**
BJI	II	16 23 13 50.3	38.75N	75.62E	14	4.8b,4.6L		
MOS	II	16 23 13 50.4–1.2	38.59N	75.52E	33	4.7b,4.6L		
ISCJB	II	16 23 13 51.8–.83	38.77N–.02	75.62E–.03	33–6	4.5b,4.4s		
NNC	II	16 23 13 52.0–4.4	39.01N	75.24E	0	4.8b,4.7		
NEIC	II	16 23 13 55.0–.94	38.78N	75.62E	54–8	4.8b,4.7		

ISC Event type fe.

IDC Error ellipse: s-maj=14.8km s-min=13.5km az=55.0.
MOS Error ellipse: s-maj=10.0km s-min=5.1km az=95.3.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.7km az=168.9.
NNC Error ellipse: s-maj=43.9km s-min=21.9km az=7.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=7.7km az=151.0. Felt at Kashi.

(399) Ionian Sea

ISC	**II**	**16 23 16 39.9–.23**	**37.24N–.01**	**20.90E–.01**	**13–1**	**5.5b,5.3s**	**2419**	**1-164**
SZGRF	II	16 23 16 36.5	37.07N	21.33E	10	5.8b,5.1s		¶13434691
BGS	II	16 23 16 36.3–1.6	36.84N	20.88E	10	5.6b,5.2s		
ROM	II	16 23 16 36.1–.64	37.03N	21.01E	10	5.7L,5.2s		
IDC	II	16 23 16 37.8–.38	37.25N	20.97E	0	5.2,5.2b		
BJI	II	16 23 16 37.6	37.48N	21.13E	8	5.7s,5.7b		
ISCJB	II	16 23 16 37.3–.30	37.28N–.01	20.857E–.01	1–1	5.5b,5.3s		
NEIC	II	16 23 16 38.5	37.13N	20.78E	15	5.5b,5.5L		
ATH	II	16 23 16 38.5	37.13N	20.78E	15–2	5.5L,5.5L		
THE	II	16 23 16 38.2	37.08N	20.75E	0–1	5.7L,5.5L		
PDG	II	16 23 16 38.7–.59	37.15N	20.76E	12–1	5.5,5.4L		
IGIL	II	16 23 16 38.8	37.21N	20.80E	10	5.3b,5.4L		
CSEM	II	16 23 16 39.6–.08	37.21N	20.82E	10	5.6b,5.5s		
MOS	II	16 23 16 40.8–1.1	37.34N	20.86E	33	5.7b,5.3s		
SFS	II	16 23 16 40.0	37.41N	21.07E	10	5.6L,5.3s		
TEH	II	16 23 16 41.0	37.41N	21.07E	10	5.6L,5.3s		
DJA	II	16 23 16 41	37.35N	21.06E	10	5.3b,5.3s		
HLW	II	16 23 16 41.3	37.15N	21.53E	30–28	5.4L,5.2		
BEO	II	16 23 16 59.0–5.0	38.73N	20.57E	0	5.0L,5.2		

ISC Event type fe.
SZGRF Southern Greece.
BGS Error ellipse: s-maj=79.2km s-min=41.4km az=-1.0.
ROM Event type ke. Error ellipse: s-maj=10.4km s-min=2.8km az=118.0.
IDC Error ellipse: s-maj=10.7km s-min=9.2km az=133.0.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.1km az=19.9.
NEIC Event type fe. Felt [II] at Eleousa, Kalamata, Patrai and Preveza, Greece. Also felt at Ambelokipoi, Archaia Olympia, Athens, Athikia, Kiparissos, Larisa, Lithakia, Lixourion, Piraeus, Planos, Tripolis, Valsamata, Varda, Zakinthos and Zitsa. Felt at Gjirokaster, Albania. After ATH. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}0.54 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-1.10 $M_{r\theta}$1.16 $M_{\theta\phi}$0.85 $M_{\phi r}$-0.21 Best double couple: NP1:ϕ_s15.00000°,δ46.00000°,λ161.00000°. NP2:ϕ_s118.00000°,δ77.00000°,λ45.00000°. Principal axes: T 1.7900,Plg40.0000°,Azm346.0000°; N -0.1100,Plg43.0000°,Azm130.0000°; P -1.6800,Plg19.0000°,Azm239.0000° $M_0$1.70000×10^{17}
ATH Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=237.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=17.0.
MOS Error ellipse: s-maj=4.3km s-min=2.4km az=99.8.
SFS Event type ke.
BEO Event type ke.

(228) Near east coast of eastern Honshu

ISC	**II**	**17 00 12 57.3–.26**	**37.55N–.03**	**141.35E–.03**	**52–1**	**5.0b,4.4s**	**1117**	**0-157**
DJA	II	17 00 12 51	37.78N	141.77E	10	5.2b,4.4s		¶13434695
MOS	II	17 00 12 54.5–.84	37.56N	141.31E	38	5.3b,4.3s		
BJI	II	17 00 12 55.7	37.49N	141.37E	63	5.1b,5.0b		
JMA	II	17 00 12 56.7–.10	37.52N	141.46E	48–1	4.9,5.0b		
IDC	II	17 00 12 57.3–.30	37.53N	141.31E	50–2	4.6,4.6		
SZGRF	II	17 00 12 57.7	37.69N	142.68E	72	5.1b,4.6		
NEIC	II	17 00 12 57.8–.40	37.53N	141.25E	54–3	5.0b,4.9W		
ISCJB	II	17 00 12 57.4–.28	37.58N–.02	141.25E–.02	60–2	5.0b,4.4s		
TEH	II	17 00 12 58.0	37.55N	141.22E	53	5.0L,4.4s		
NIED	II	17 00 13 00	37.50N	141.50E	53	4.9W,4.4s		

ISC Event type fe.
MOS Error ellipse: s-maj=7.7km s-min=4.1km az=107.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s35.00000°,δ66.00000°,λ94.00000°. NP2:ϕ_s205.00000°,δ24.00000°,λ81.00000°. Principal axes: T Plg69.0000°,Azm313.0000°; N Plg4.0000°,Azm213.0000°; P Plg21.0000°,Azm122.0000°
IDC Error ellipse: s-maj=10.0km s-min=7.0km az=103.0.
SZGRF Off east coast of Honshu, Japan.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.8km az=153.0. Felt [III] at Zushi and [II] at Tokyo. Also felt at Daigo, Kakamigahara, Kyoto, Nagoya, Osaka, Sendai, Utsunomiya, Yokohama and Yokosuka. Recorded [4 JMA] in Fukushima; [3 JMA] in Miyagi; [2 JMA] in Ibaraki, Iwate and Tochigi; [1 JMA] in Gumma, Saitama, Tokyo and Yamagata. Moment Tensor Solution. $M_0$2.40000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=162.9.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ71.00000°,λ87.00000°. NP2:ϕ_s209.00000°,δ20.00000°,λ99.00000°. $M_0$2.38000×10^{16}

(333) Tuva-Buryatia-Mongolia border region

ISC	**II**	**17 00 47 40.7–1.2**	**51.94N–.03**	**101.15E–.02**	**0–9**	**3.6b**	**70**	**0-81**
IDC	II	17 00 47 41.3–1.1	52.03N	101.48E	0	3.8b,3.7		¶12700965
MOS	II	17 00 47 42.0–1.6	51.88N	101.01E	12	4.6b,3.7		
BYKL	II	17 00 47 43.6–.56	51.87N	101.01E		4.6b,3.7		
NNC	II	17 00 47 46.8–5.7	49.02N	101.40E	0	3.7b,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=15.2km az=25.0.
MOS Event type fe. Error ellipse: s-maj=9.8km s-min=9.7km az=81.5. Felt (II-III) Mondy, Orlik. Moment Tensor Solution.
BYKL Event type se. FELT I=IV MSK at Mondy and III at Sorok,Orlik and II at Irkutsk.
NNC Error ellipse: s-maj=61.2km s-min=44.4km az=72.0.

(259) Mindanao

ISC	**II**	**17 02 04 31.5–.96**	**5.55N–.04**	**125.41E–.07**	**69–11**	**3.9b**	**47**	**1-84**
IDC	II	17 02 04 21.4–1.1	5.64N	125.29E	0	4.1,3.9		¶12700972
MAN	II	17 02 04 25	5.32N	125.37E	35	4.1,3.9		
ISCJB	II	17 02 04 29.8–.46	5.52N–.03	125.36E–.06	64–7	4.0b,3.9		
DJA	II	17 02 04 29.1–.50	6N–4.0	125E–6.0	10	5.4b,5.0		
NEIC	II	17 02 04 29.2–.47	5.31N	125.33E	35	4.4b,5.0		

ISC Event type fe.
IDC Error ellipse: s-maj=67.4km s-min=18.1km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=4.5km az=3.2.
NEIC Event type fe. Error ellipse: s-maj=17.7km s-min=7.2km az=82.0. Felt [II PIVS] at General Santos.

(160) Off east coast of North Island

WEL	**II**	**17 04 14 20.2–.31**	**37.66S**	**178.37E**	**53–2**	**4.1L**		
NEIC	II	17 04 14 19.1	37.63S	178.47E	58	4.2L		¶12083265

WEL Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=90.0. Felt from Gisborne to Bay of Plenty, maximum reported intensity MM 4.
NEIC Event type se. After WEL.

(366) Turkey

ISC	**II**	**17 05 28 21.6–.34**	**39.13N–.01**	**29.05E–.01**	**15–2**	**4.8b,4.4s**	**1433**	**0-146**
SZGRF	II	17 05 28 17.8	38.60N	29.87E	33	4.7b,4.2s		¶15956324
ATH	II	17 05 28 17.7	39.13N	28.99E	5	3.9,4.2s		
IDC	II	17 05 28 18.9–.42	39.14N	29.10E	0	4.6,4.6b		
BJI	II	17 05 28 18.7	39.04N	29.14E	11	5.2b,4.9s		
MOS	II	17 05 28 19.8–1.2	39.24N	29.21E	12	4.9b,4.4s		
ISK	II	17 05 28 19.4	39.11N	29.04E	8	5.0L,4.4s		
DDA	II	17 05 28 19.9	39.15N	29.05E	7	4.8L,4.4s		
NEIC	II	17 05 28 19.0	39.11N	29.04E	7	5.0W,5.0L		
PDG	II	17 05 28 20.5–.77	39.17N	29.11E	11–1	4.6L,5.0L		
ISCJB	II	17 05 28 20.4–.25	39.15N–.01	29.05E–.01	17–2	4.7b,4.5s		
CSEM	II	17 05 28 20.3–.05	39.13N	29.05E	5	5.3W,5.0s		
THE	II	17 05 28 22.3	39.11N	28.97E	6–1	5.1L,5.0s		
BEO	II	17 05 28 22.7–1.6	39.38N	29.02E	1–9	5.2L,5.0s		
TEH	II	17 05 28 23.0	39.17N	29.29E	10	4.9L,5.0s		
DJA	II	17 05 28 30.7–4.1	39N–21	30E–27	50–28	6.0b,5.6		

ISC Event type fe.
SZGRF Turkey.
DDA Event type ke.
NEIC Event type fe. Felt [IV] at Simav and [III] at Usak. Also felt at Balikesir, Bursa, Emet, Gediz, Golcuk, Gonen, Izmir, Kutahya, Mudanya, Tavsanli and Ulubey. After ISK. Moment Tensor Solution. $M_0$3.60000×10^{16}
PDG Event type ke.
ISCJB Event type fe.
CSEM Event type ke.
THE Event type ke.
BEO Event type ke.

(224) Hokkaido region

ISC	**II**	**17 10 26 34.6–.81**	**42.88N–.05**	**143.80E–.04**	**113–6**	**3.5b**	**39**	**0-85**
NIED	II	17 10 26 00	42.90N	143.70E	122	3.7W		¶15543236
ISCJB	II	17 10 26 33.8–.46	42.89N–.05	143.80E–.05	117–3	3.5b		
MOS	II	17 10 26 33.6–.82	42.86N	143.69E	125	3.9b		
JMA	II	17 10 26 34.8–.10	42.91N	143.74E	112–1	3.6		
IDC	II	17 10 26 35.5–2.1	42.91N	143.60E	124–19	3.6,3.2		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ69.00000°,λ114.00000°. NP2:ϕ_s261.00000°,δ31.00000°,λ43.00000°. $M_0$3.47000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.5km az=158.0.
MOS Error ellipse: s-maj=37.7km s-min=17.1km az=79.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=39.6km s-min=23.9km az=101.0.

(141) Cordoba Province

ISC	**II**	**17 14 49 34.9–.31**	**30.50S–.05**	**65.39W–.05**	**177–2**	**4.9b**	**272**	**3-172**
ISCJB	II	17 14 49 32.7–.56	30.48S–.04	65.31W–.05	171–5	4.8b		¶11678719
NEIC	II	17 14 49 35.0–.20	30.45S	65.28W	180	4.9b		
IDC	II	17 14 49 34.9–.35	30.53S	65.41W	179–3	4.5,4.5		
BJI	II	17 14 49 39.3	30.40S	65.20W	179	4.9b,4.5		
INMG	II	17 14 50 03.4	30.32S	64.87W	426	4.9b,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=6.4km az=42.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=5.9km az=89.0. Felt at Villa Carlos Paz.
IDC Error ellipse: s-maj=11.1km s-min=8.0km az=143.0.

(263) Talaud Islands

ISC	**II**	**17 15 16 59.0–.78**	**3.87N–.04**	**126.59E–.07**	**33–3**	**4.7b,3.8s**	**153**	**3-157**
IDC	II	17 15 16 53.9–.45	3.90N	126.59E	0	4.5,4.5		¶11678720
ISCJB	II	17 15 16 56.9–.23	3.97N–.03	126.89E–.04	33	4.6b,3.9s		
BJI	II	17 15 16 56.6	3.59N	126.65E	45	5.0b,4.7b		
DJA	II	17 15 16 57	4.21N	127.05E	10	4.7b,4.7b		
NEIC	II	17 15 16 59.3–.26	3.91N	126.57E	35	4.6b,4.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=25.3km s-min=8.8km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.3km az=161.4.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=5.4km az=72.0. Felt [II] in the Kepulauan Talaud.

(227) Eastern Honshu

JMA	**II**	**17 16 44 25.7**	**35.42N**	**138.55E**	**19–1**	**3.5**		
NIED	II	17 16 44 00	35.40N	138.50E	23	3.6W		¶15543338

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s264.00000°,δ57.00000°,λ98.00000°. NP2:ϕ_s69.00000°,δ33.00000°,λ78.00000°. Principal axes: T Plg76.0000°,Azm198.0000°; N Plg7.0000°,Azm79.0000°; P Plg12.0000°,Azm348.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s268.00000°,δ59.00000°,λ112.00000°. NP2:ϕ_s50.00000°,δ38.00000°,λ58.00000°. $M_0$2.54000×10^{14}

(135) Near coast of central Chile

ISC	**II**	**17 19 24 41.8–.62**	**31.58S–.05**	**71.36W–.08**	**42–5**	**4.5b**	**64**	**0-155**
ISCJB	II	17 19 24 40.9–.57	31.57S–.03	71.5W–.10	54–5	4.4b,3.9s		¶12701047
IDC	II	17 19 24 41.6–.71	31.51S	71.74W	45–5	4.2b,4.1		
NEIC	II	17 19 24 42.0–1.2	31.52S	71.49W	48–9	4.4b,4.1		
GUC	II	17 19 24 43.5–.70	31.73S	71.43W	44–3	4.2L,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.7km s-min=5.5km az=5.4.
IDC Error ellipse: s-maj=21.2km s-min=12.0km az=179.0.
NEIC Event type fe. Error ellipse: s-maj=16.5km s-min=7.6km az=88.0. Felt [IV] at Canela and Illapel, [III] at Salamanca and [II] at La Ligua.
GUC Error ellipse: s-maj=5.3km s-min=12.2km az=-1.0.

(460) Wyoming

ISC	**II**	**17 21 03 59.1–.56**	**43.74N–.02**	**105.24W–.02**	**0**	**4.1b**	**141**	**0-90**
ISCJB	II	17 21 03 57.7–.29	43.73N–.02	105.27W–.03	0	4.0b,3.6s		¶12701054
IDC	II	17 21 03 57.2–1.2	43.33N	105.22W	0	4.0b,4.0		
NEIC	II	17 21 03 59.9–.32	43.75N	105.23W	0	3.5L,4.0		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.8km s-min=2.2km az=29.1.
IDC Error ellipse: s-maj=30.7km s-min=8.0km az=155.0.
NEIC Event type fm. Error ellipse: s-maj=4.7km s-min=3.7km az=137.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(232) Western Honshu

ISC	**II**	**17 21 47 08.1–.52**	**35.62N–.02**	**136.32E–.02**	**12–3**	**4.7b,4.3s**	**522**	**0-151**
NIED	II	17 21 47 00	35.70N	136.30E	5	4.8W,4.3s		¶11682570
IDC	II	17 21 47 06.0–.42	35.63N	136.30E	0	4.6,4.6		
ISCJB	II	17 21 47 06.9–.45	35.66N–.02	136.26E–.02	11–2	4.6b,4.3s		
BJI	II	17 21 47 07.5	35.53N	136.38E	27	5.0b,4.8s		
JMA	II	17 21 47 07.0	35.66N	136.31E	9–1	5.2,4.8s		
NEIC	II	17 21 47 09.2–1.9	35.60N	136.27E	18–11	4.8b,4.8W		
MOS	II	17 21 47 10.0–1.1	35.61N	136.25E	39	4.8b,4.2s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s153.00000°,δ86.00000°,λ12.00000°. NP2:ϕ_s63.00000°,δ78.00000°,λ176.00000°. $M_0$1.94000×10^{16}
IDC Error ellipse: s-maj=11.7km s-min=9.3km az=140.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=164.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s158.00000°,δ87.00000°,λ16.00000°. NP2:ϕ_s68.00000°,δ74.00000°,λ177.00000°. Principal axes: T Plg13.0000°,Azm24.0000°; N Plg74.0000°,Azm168.0000°; P Plg9.0000°,Azm292.0000°
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.7km az=149.0. Felt [III] at Hekinan, Kyoto and Nagoya and [II] at Osaka. Also felt at Akashi, Amagasaki, Daito, Fukui, Gifu, Hikone, Iida, Ina, Izumi, Kakogawa, Kanazawa, Kobe, Kumano, Mino, Minoh, Nagahama, Nagakute, Nagaokakyo, Nara, Ogaki, Okayama, Okazaki, Shiga, Suita, Tokoname, Toyota and Yokkaichi. Recorded [4 JMA] in Gifu; [3 JMA] in Aichi, Fukui, Hyogo, Mie, Nagano and Shiga; [2 JMA] in Ishikawa, Kagawa, Kyoto, Nara, Okayama, Osaka, Shizuoka, Toyama and Yamanashi; [1 JMA] in Saitama, Tokushima, Tottori and Wakayama. Moment Tensor Solution. $M_0$1.90000×10^{16}
MOS Error ellipse: s-maj=7.6km s-min=5.4km az=105.1.

(37) Nevada

ISC	**II**	**18 03 12 32.7–.68**	**41.18N–.02**	**114.88W–.02**	**10**		**132**	**1-21**
IDC	II	18 03 12 32.0–1.1	41.19N	114.89W	0	3.6L,3.4		¶12701092
ISCJB	II	18 03 12 32.6–.27	41.10N–.02	114.92W–.03	10	2.7b,3.4		
NEIC	II	18 03 12 33.0	41.22N	114.87W	6	3.7L,3.4		

ISC Event type fe.
IDC Error ellipse: s-maj=35.1km s-min=6.9km az=144.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=21.0.
NEIC Event type fe. Felt [III] at Wells. After REN.

(60) Oaxaca

ISC	**II**	**18 05 41 33.8–.38**	**16.84N–.04**	**94.68W–.03**	**107–3**	**4.8b**	**706**	**0-134**
SZGRF	II	18 05 41 20.2	16.17N	95.34W	33	5.4b		¶11682581
IDC	II	18 05 41 33.2–.43	16.81N	94.60W	102–3	4.4,4.3		
ISCJB	II	18 05 41 34.5–.20	17.03N–.03	94.36W–.03	109	4.7b,4.3		
MEX	II	18 05 41 35.3–1.7	16.78N	94.75W	109–14	4.8,4.3		
BJI	II	18 05 41 35.1	16.90N	94.30W	108	5.0b,4.3		
NEIC	II	18 05 41 35.5–.29	16.95N	94.38W	115–2	4.8b,4.8		

ISC Event type fe.
SZGRF Oaxaca, Mexico.
IDC Error ellipse: s-maj=18.5km s-min=9.3km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.1km az=38.5.
MEX Error ellipse: s-maj=11.2km s-min=4.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.1km az=48.0. Felt [II] at Oaxaca. Also felt at Huatulco and San Cristobal de las Casas.

(228) Near east coast of eastern Honshu

ISC	**II**	**18 12 45 26.9–1.0**	**38.26N–.04**	**141.99E–.08**	**42–9**	**3.8b**	**36**	**1-89**
NIED	II	18 12 45 00	38.30N	141.90E	62	3.8W		¶12701135
ISCJB	II	18 12 45 26.5–.92	38.27N–.04	141.94E–.09	55–7	3.8b		
IDC	II	18 12 45 27.3–1.7	38.31N	141.93E	45–9	3.7,3.7		
JMA	II	18 12 45 28.1–.10	38.29N	141.86E	47–1	4.1,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ70.00000°,λ106.00000°. NP2:ϕ_s153.00000°,δ25.00000°,λ53.00000°. $M_0$5.17000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=5.4km az=14.9.
IDC Error ellipse: s-maj=45.1km s-min=16.1km az=72.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(121) Off coast of northern Chile

ISC	**II**	**18 19 37 26.6–.95**	**26.99S–.07**	**71.1W–.20**	**25**	**4.5b**	**28**	**2-151**
IDC	II	18 19 37 22.7–1.0	26.88S	71.21W	0	4.4b,4.0		**¶12701165**
ISCJB	II	18 19 37 25.9–1.2	27.01S–.05	70.9W–.20	25	4.3b,3.2s		
NEIC	II	18 19 37 27.0–3.4	26.95S	71.11W	27–22	4.5b,3.2s		

ISC Event type fe.

IDC Error ellipse: s-maj=43.5km s-min=23.0km az=111.0.

ISCJB Event type fe. Error ellipse: s-maj=26.1km s-min=6.7km az=1.9.

NEIC Event type fe. Error ellipse: s-maj=30.7km s-min=9.5km az=97.0. Felt at Copiapo.

(228) Near east coast of eastern Honshu

ISC	**II**	**18 21 04 44.8–.87**	**36.37N–.05**	**140.55E–.06**	**66–7**	**3.8b**	**31**	**0-65**
NIED	II	18 21 04 00	36.40N	140.60E	68	3.8W		**¶11687959**
ISCJB	II	18 21 04 43.6–.55	36.35N–.04	140.59E–.06	74–4	3.7b		
IDC	II	18 21 04 44.9–2.2	36.39N	140.38E	64–21	3.6,3.5		
JMA	II	18 21 04 45.2–.10	36.36N	140.55E	62–1	3.8,3.5		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ69.00000°,λ84.00000°. NP2:ϕ_s32.00000°,δ22.00000°,λ107.00000°. $M_0$5.81000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=6.1km az=22.7.

IDC Error ellipse: s-maj=21.3km s-min=9.5km az=61.0.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s185.00000°,δ83.00000°,λ79.00000°. NP2:ϕ_s63.00000°,δ13.00000°,λ148.00000°. Principal axes: T Plg51.0000°,Azm82.0000°; N Plg11.0000°,Azm186.0000°; P Plg37.0000° ,Azm285.0000°

(177) Kermadec Islands region

ISC	**II**	**18 21 53 45.8–.29**	**27.39S–.03**	**176.24W–.03**	**28–1**	**7.2s,6.7b**	**2225**	**2-172**
IDC	II	18 21 53 41.3–.28	27.34S	176.36W	0	7.1,7.0		**¶14189641**
BJI	II	18 21 53 42.2	26.94S	175.70W	18	7.4b,7.3s		
BGS	II	18 21 53 44.6–1.7	27.15S	176.50W	20	7.3s,7.3s		
ISCJB	II	18 21 53 44.1–.10	27.39S–.03	176.39W–.02	28	7.1s,6.6b		
MOS	II	18 21 53 45.2–.92	27.32S	176.38W	31	7.1s,6.8b		
NEIC	II	18 21 53 45.2–.10	27.42S	176.33W	25	7.5,7.2s		
PDG	II	18 21 54 05.9	27.30S	176.50W	60	7.5,7.2s		
DJA	II	18 21 54 24	27.86S	177.93W	319	6.7W,7.2s		

ISC Event type fe.

IDC Error ellipse: s-maj=10.1km s-min=8.7km az=25.0.

BGS Error ellipse: s-maj=335.1km s-min=762.2km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.5km az=159.9.

MOS Error ellipse: s-maj=8.8km s-min=6.8km az=78.5. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s277.00000°,δ67.00000°,λ-177.00000°. NP2: ϕ_s186.00000°,δ87.00000°,λ-23.00000°. Principal axes: T Plg14.0000°,Azm234.0000° ; N Plg67.0000°,Azm360.0000°; P Plg18.0000°,Azm139.0000°

NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.4km az=150.0. Felt at Wellington, New Zealand. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ85.00000°,λ25.00000°. NP2:ϕ_s278.00000°,δ65.00000°,λ174.00000°. Principal axes: T Plg21.0000°,Azm237.0000°; N Plg0.0000°,Azm0.0000°; P Plg14.0000° ,Azm141.0000° Moment Tensor Solution. s51 Moment tensor: Scale 10^{19}Nm; M_{rr}0.59 $M_{\theta\theta}$-1.96 $M_{\phi\phi}$1.37 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.89 $M_{\phi r}$1.97 Best double couple: NP1:ϕ_s293.00000° ,δ49.00000°,λ164.00000°. NP2:ϕ_s34.00000°,δ78.00000°,λ42.00000°. Principal axes: T 3.0400,Plg37.0000°,Azm262.0000°; N -0.6200,Plg46.0000°,Azm46.0000° ; P -2.4300,Plg18.0000°,Azm157.0000° $M_0$2.80000×10^{19} Moment Tensor Solution. $M_0$5.00000×10^{19}

PDG Event type ke.

(110) Peru-Ecuador border region

ISC	**II**	**19 04 27 41.4–.34**	**2.79S–.04**	**77.75W–.07**	**9**	**4.7b,3.9s**	**464**	**1-158**
IGQ	II	19 04 27 38.5	2.74S	78.09W	12–152	4.8b,4.7s		**¶11687972**
IDC	II	19 04 27 39.9–.52	2.87S	77.87W	0	4.4,4.4		
ISCJB	II	19 04 27 40.3–.19	2.80S–.03	77.70W–.04	9	4.5b,4.4s		
NEIC	II	19 04 27 42.1–.26	2.80S	77.70W	10	4.8b,4.8		
BJI	II	19 04 27 44.6	2.30S	77.10W	17	5.7s,5.4b		

ISC Event type fe.

IGQ Error ellipse: s-maj=5.2km s-min=2.1km az=2.6.

IDC Error ellipse: s-maj=23.6km s-min=11.0km az=63.0.

ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.3km az=156.0.

NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=5.1km az=60.0. Felt at Macas, Puyo and Sucua, Ecuador.

(228) Near east coast of eastern Honshu

ISC	**II**	**19 14 26 50.5–1.0**	**35.18N–.04**	**140.15E–.04**	**34–2**	**3.5b**	**25**	**0-59**
IDC	II	19 14 26 46.7–7.7	34.99N	139.94E	0	3.5,3.4b		**¶12701253**
ISCJB	II	19 14 26 49.5–.51	35.19N–.04	140.16E–.04	39–5	3.4b,3.4b		
JMA	II	19 14 26 49.4–.10	35.27N	140.19E	36–1	3.1,3.4b		

ISC Event type ke.

IDC Error ellipse: s-maj=280.4km s-min=20.6km az=62.0.

ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.8km az=32.6.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(460) Wyoming

ISC	**II**	**19 18 54 55.8–.63**	**44.08N–.02**	**105.30W–.02**	**0**		**139**	**0-19**
ISCJB	II	19 18 54 55.9–.20	44.09N–.01	105.34W–.02	0			**¶12701269**
IDC	II	19 18 54 55.8–1.9	44.00N	105.46W	0	3.4,3.2		
NEIC	II	19 18 54 56.2–.58	44.00N	105.19W	0	3.2L,3.2		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=1.7km az=165.6.

IDC Error ellipse: s-maj=46.5km s-min=8.3km az=146.0.

NEIC Event type fm. Error ellipse: s-maj=7.9km s-min=7.1km az=150.0. 40 km [25 miles] SE of Gillette. Suspected Mining explosion.

(229) Off east coast of Honshu

ISC	**II**	**19 19 00 44.5–.52**	**40.44N–.04**	**143.82E–.04**	**26–2**	**5.0b,4.5s**	**508**	**2-154**
NIED	II	19 19 00 00	40.40N	143.80E	14	4.8W,4.5s		**¶13434874**
BJI	II	19 19 00 40.8	40.39N	143.62E	10	5.1b,5.0b		
IDC	II	19 19 00 40.8–.52	40.40N	143.76E	0	4.5,4.5		
ISCJB	II	19 19 00 40.4–.91	40.44N–.02	143.77E–.03	7–5	4.8b,4.5s		
NEIC	II	19 19 00 42.5–1.6	40.42N	143.72E	10–9	5.2b,4.8W		
JMA	II	19 19 00 42.4–.20	40.42N	143.80E	27	4.8,4.8W		
MOS	II	19 19 00 45.6–1.0	40.57N	143.53E	33	5.2b,4.7s		
SZGRF	II	19 19 01 01.6	42.37N	143.27E	31	4.7b,4.6s		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ74.00000°,λ121.00000°. NP2:ϕ_s152.00000°,δ34.00000°,λ29.00000°. $M_0$1.65000×10^{16}

IDC Error ellipse: s-maj=14.3km s-min=11.8km az=140.0.

ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=144.5.

NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=127.0. Recorded [1 JMA] in Aomori and Iwate. Moment Tensor Solution. $M_0$1.70000×10^{16}

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

MOS Error ellipse: s-maj=7.8km s-min=4.3km az=111.5.

SZGRF Hokkaido, Japan, region.

(159) North Island

WEL	**II**	**20 00 11 41.7–.12**	**40.29S**	**175.97E**	**71–1**	**4.3L**	
NEIC	II	20 00 11 41.6	40.29S	175.98E	72	4.3L	**¶12083326**

WEL Event type fe. Error ellipse: s-maj=1.2km s-min=0.6km az=90.0. Felt from Hawke''s Bay to Wellington, maximum reported intensity MM 4.

NEIC Event type fe. Felt [IV] at Palmerston North. Also felt in the Wellington-Lower Hutt area. After WEL.

(710) Pakistan

ISC	**II**	**20 03 48 50.2–.19**	**34.24N–.02**	**73.82E–.02**	**21–2**	**5.4b,5.1s**	**1193**	**1-149**
SZGRF	II	20 03 48 37.4	32.84N	74.82E	33	5.5b,4.8s		**¶13434891**
IDC	II	20 03 48 46.6–.37	34.24N	73.82E	0	5.4L,5.2		
NEIC	II	20 03 48 48.5–.13	34.20N	73.90E	12	5.5b,5.4W		
BGS	II	20 03 48 48.6–1.5	34.24N	73.62E	10	5.2b,5.4W		
NDI	II	20 03 48 48.6–6.2	34.15N	73.46E	10	5.5b,5.4L		
ISCJB	II	20 03 48 48.5–.46	34.28N–.01	73.88E–.02	20–3	5.3b,5.2s		
MOS	II	20 03 48 50.2–.96	34.26N	73.84E	33	5.6b,5.1s		
DJA	II	20 03 48 50	34.14N	73.97E	10	5.6b,5.1s		
TEH	II	20 03 48 51.0	34.25N	73.85E	26	5.4L,5.1s		
NNC	II	20 03 48 52.5–2.5	34.60N	73.23E	0	5.8,5.7b		
LDG	II	20 03 48 52.4–.54	34.37N	73.93E	60	5.3b,4.7s		
BJI	II	20 03 48 53.9	34.37N	74.49E	29	5.7L,5.7b		

ISC Event type de.

SZGRF Southwestern Kashmir.

IDC Error ellipse: s-maj=8.5km s-min=6.8km az=28.0.

NEIC Event type de. Error ellipse: s-maj=4.2km s-min=2.5km az=28.0. At least 44 people injured and landslides in Kashmir. Some buildings damaged at Balgran, Hattian, Islamabad, Jhelum, Jura, Lahore, Malial, Masarm, Muzzaffarabad, Rawalpindi and Uri, Pakistan. Some buildings damaged at Baramulla and Marsar, India. Felt strongly in the Chandigarh-Srinagar area, India. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s120.00000°,δ70.00000°,λ90.00000°. NP2:ϕ_s300.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm30.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm210.0000° Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.51 $M_{\theta\phi}$0.53 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s300.00000° ,δ26.00000°,λ72.00000°. NP2:ϕ_s140.00000°,δ65.00000°,λ99.00000°. Principal axes: T 1.4300,Plg68.0000°,Azm66.0000°; N -0.0300,Plg7.0000°,Azm315.0000° ; P -1.3900,Plg19.0000°,Azm223.0000° $M_0$1.40000×10^{17}

BGS Error ellipse: s-maj=612.2km s-min=804.1km az=-1.0.

NDI Error ellipse: s-maj=26.3km s-min=39.1km az=-1.0.

ISCJB Event type de. Error ellipse: s-maj=2.6km s-min=2.0km az=23.2.

MOS Error ellipse: s-maj=5.2km s-min=3.1km az=122.0.

NNC Error ellipse: s-maj=24.2km s-min=19.1km az=107.0.

LDG Event type ke. Error ellipse: s-maj=23.6km s-min=6.5km az=151.0.

(228) Near east coast of eastern Honshu

ISC	**II**	**20 09 17 20.3–.74**	**35.97N–.05**	**140.19E–.05**	**70–6**	**4.3b**	**92**	**0-148**
NIED	II	20 09 17 00	36.00N	140.10E	74	4.2W		**¶11713216**
ISCJB	II	20 09 17 19.1–.42	35.95N–.04	140.20E–.06	76–3	4.3b		
NEIC	II	20 09 17 20.2–.75	35.91N	140.18E	70–6	4.6b,4.1W		
JMA	II	20 09 17 21.0–.10	35.99N	140.09E	64–1	4.4,4.1W		
IDC	II	20 09 17 22.2–1.2	35.85N	140.05E	88–10	4.0,3.9		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ70.00000°,λ91.00000°. NP2: ϕ_s180.00000°,δ20.00000°,λ87.00000°. $M_0$2.10000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=5.5km az=157.9.

NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=6.8km az=74.0. Recorded [3 JMA] in Ibaraki and Tochigi; [2 JMA] in Chiba, Gumma, Saitama and Tokyo; [1 JMA] in Fukushima and Kanagawa. Moment Tensor Solution. $M_0$2.10000×10^{15}

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000°,δ63.00000°,λ87.00000°. NP2: ϕ_s189.00000°,δ27.00000°,λ96.00000°. Principal axes: T Plg72.0000°,Azm264.0000° ; N Plg3.0000°,Azm3.0000°; P Plg18.0000°,Azm94.0000°

IDC Error ellipse: s-maj=15.4km s-min=6.9km az=66.0.

(321) Southern Xinjiang

ISC	**II**	**20 10 02 31.4–.29**	**40.61N–.02**	**78.71E–.02**	**30–1**	**5.4b,4.8s**	**1189**	**2-152**
SZGRF	II	20 10 02 15.0	39.21N	80.15E	33	5.6b,4.8s		**¶13434899**
LDG	II	20 10 02 24.5–.11	40.50N	78.73E	10	5.4b,4.4s		
BGS	II	20 10 02 24.2–1.9	40.32N	79.64E	23–999	5.1b,4.4s		
IDC	II	20 10 02 26.5–.38	40.64N	78.74E	0	5.1,5.1		
ISCJB	II	20 10 02 27.7–.66	40.69N–.02	78.71E–.02	18–4	5.3b,4.8s		
BJI	II	20 10 02 27.6	40.80N	78.60E	13	5.4L,5.2s		
NNC	II	20 10 02 28.6–2.1	40.81N	78.58E	0	5.5b,5.4		
MOS	II	20 10 02 29.6–.93	40.69N	78.74E	33	5.7b,4.9s		
NEIC	II	20 10 02 29.1–1.2	40.66N	78.69E	17–7	5.5b,4.9s		
DJA	II	20 10 02 30	40.64N	78.71E	10	5.3b,4.9s		

ISC Event type de.

SZGRF Southern Xinjiang, China.

LDG Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=60.0.

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

IDC Error ellipse: s-maj=11.0km s-min=8.0km az=22.0.

ISCJB Event type de. Error ellipse: s-maj=2.9km s-min=2.2km az=29.2.

NNC Error ellipse: s-maj=21.4km s-min=11.8km az=147.0.

MOS Error ellipse: s-maj=6.2km s-min=3.1km az=132.0.

NEIC Event type de. Error ellipse: s-maj=3.6km s-min=2.3km az=220.0. At least 331 homes destroyed and 5,613 damaged in the Akqi-Kalpin area.

(36) Northern California

ISC	**II**	**20 10 29 27.4–1.7**	**38.84N–.04**	**122.82W–.04**	**8–14**		**30**	**0-18**
NEIC	II	20 10 29 27.6	38.81N	122.81W	2	3.7W		**¶12701325**
IDC	II	20 10 29 29.0–3.2	38.80N	122.87W	0	3.8,3.3		

ISC Event type fe.

NEIC Event type fe. Felt at Cobb and Kelseyville. After NCEDC. Moment Tensor Solution. $M_0$4.00000×10^{14}

IDC Error ellipse: s-maj=42.3km s-min=12.3km az=39.0.

(39) Central California

ISC	**II**	**20 12 19 13.8–1.1**	**35.97N–.01**	**117.28W–.02**	**0–9**		**133**	**0-96**
NEIC	II	20 12 19 14.7	35.98N	117.31W	2	3.6W		**¶12701333**
IDC	II	20 12 19 14.6–2.1	36.00N	117.29W	0	3.7b,3.5		

ISC Event type fe.

NEIC Event type fe. Felt near Trona. After PAS. Moment Tensor Solution. $M_0$3.30000×10^{14}

IDC Error ellipse: s-maj=37.2km s-min=13.8km az=46.0.

(135) Near coast of central Chile

ISC	**II**	**20 21 09 02.8–.91**	**31.75S–.04**	**71.63W–.10**	**62–7**	**3.9b**	**53**	**0-152**
IDC	II	20 21 08 54.5–.86	31.84S	71.65W	0	4.2,4.1L		**¶12701368**
ISCJB	II	20 21 09 01.9–.51	31.74S–.03	71.57W–.09	66–5	3.8b,4.1L		
GUC	II	20 21 09 03.5–.93	31.85S	71.56W	61–5	3.8L,3.8		
NEIC	II	20 21 09 03.0	31.85S	71.56W	61	3.8,3.8		

ISC Event type fe.

IDC Error ellipse: s-maj=30.7km s-min=23.8km az=136.0.

ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=4.5km az=175.4.

GUC Error ellipse: s-maj=4.8km s-min=8.8km az=-1.0.

NEIC Event type fe. Felt [II] at La Ligua, Petorca and Zapallar. After GUC.

(232) Western Honshu

ISC	**II**	**20 22 17 22.4–1.2**	**35.65N–.04**	**136.30E–.03**	**5–13**		**14**	**0-2**
NIED	II	20 22 17 00	35.70N	136.30E	8	3.5W		**¶14155186**
ISCJB	II	20 22 17 22.1–.65	35.65N–.04	136.30E–.04	8–6	3.5W		
JMA	II	20 22 17 22.2	35.66N	136.31E	10–1	3.6		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ89.00000°,λ7.00000°. NP2:ϕ_s55.00000°,δ83.00000°,λ179.00000°. $M_0$2.11000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.6km az=152.9.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s320.00000°,δ72.00000°,λ-22.00000°. NP2:ϕ_s57.00000°,δ69.00000°,λ-161.00000°. Principal axes: T Plg2.0000°,Azm9.0000°; N Plg62.0000°,Azm103.0000°; P Plg28.0000° ,Azm278.0000°

(228) Near east coast of eastern Honshu

ISC	**II**	**20 22 29 07.4–2.2**	**38.91N–.07**	**142.1E–.10**	**42–14**	**3.7b**	**22**	**0-50**
NIED	II	20 22 29 00	38.90N	142.10E	89	4.3W		**¶12701375**
IDC	II	20 22 29 01.1–6.7	39.19N	142.45E	0	3.8b,3.7		
ISCJB	II	20 22 29 06.9–1.3	38.91N–.05	142.1E–.10	52–7	3.7b,3.7		
JMA	II	20 22 29 07.2–.10	38.91N	142.13E	44–1	3.7,3.7		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ72.00000°,λ135.00000°. NP2:ϕ_s120.00000°,δ47.00000°,λ25.00000°. $M_0$3.69000×10^{15}

IDC Error ellipse: s-maj=122.1km s-min=45.7km az=106.0.

ISCJB Event type fe. Error ellipse: s-maj=18.6km s-min=7.2km az=18.9.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(232) Western Honshu

JMA	**II**	**20 22 34 29.2**	**35.66N**	**136.31E**	**10–1**	**2.9**	
							¶15544745

JMA Event type fe.

(238) Ryukyu Islands

ISC	**II**	**21 00 12 56.0–.31**	**28.87N–.03**	**130.95E–.03**	**24–1**	**5.6b,5.1s**	**1381**	**1-175**
NIED	II	21 00 12 00	28.90N	130.90E	5	5.3W,5.1s		**¶14189740**
BGS	II	21 00 12 37.7–1.8	25.81N	133.05E	20	5.6s,5.4b		
SZGRF	II	21 00 12 48.9	28.69N	132.69E	36	5.9b,5.3s		
BJI	II	21 00 12 50.6	28.65N	131.14E	24	5.4s,5.4b		
IDC	II	21 00 12 52.2–.39	28.90N	130.94E	0	5.2,5.2		
ISCJB	II	21 00 12 52.9–.69	28.88N–.02	130.88E–.02	10–4	5.4b,5.1s		
TEH	II	21 00 12 53.0	28.87N	130.86E	5	5.6L,5.1s		
JMA	II	21 00 12 55.9–.10	28.88N	130.89E	73–4	5.2,5.1s		
NEIC	II	21 00 12 56.0–.91	28.88N	130.86E	24–6	5.6b,5.5W		
MOS	II	21 00 12 56.1–.97	28.93N	130.95E	33	5.7b,5.1s		
DJA	II	21 00 12 57	28.91N	131.10E	34	5.4W,5.1s		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ63.00000°,λ-89.00000°. NP2:ϕ_s15.00000°,δ27.00000°,λ-92.00000°. $M_0$1.15000×10^{17}

BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF West of Bonin Islands, Japan.
IDC Error ellipse: s-maj=12.2km s-min=11.3km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=164.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=155.0. Recorded [1 JMA] on Akuseki-jima, Amami-oshima, Kikaiga-shima, Nakano-shima, Tanega-shima and Yaku-shima. Also recorded [1 JMA] in Kagoshima, Kyushu. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s201.00000°,δ61.00000°,λ-125.00000°. NP2:ϕ_s76.00000° ,δ44.00000°,λ-45.00000°. Principal axes: T 1.3400,Plg9.0000°,Azm315.0000° ; N -0.2800,Plg29.0000°,Azm220.0000°; P -1.0600,Plg58.0000°,Azm60.0000° $M_0$1.20000×10^{17} Moment Tensor Solution. $M_0$1.20000×10^{17}
MOS Error ellipse: s-maj=6.4km s-min=3.6km az=107.8.

(228) Near east coast of eastern Honshu

ISC	**II**	**21 04 30 34.1–.99**	**40.91N–.04**	**142.03E–.05**	**54–9**	**4.1b**	**43**	**1-78**
IDC	II	21 04 30 21.6–6.0	40.32N	142.51E	0	4.0b,3.9		**¶12701397**
ISCJB	II	21 04 30 33.3–.47	40.92N–.03	142.03E–.06	63–4	4.0b,3.9		
JMA	II	21 04 30 33.3–.10	40.90N	142.13E	51–3	3.6,3.9		
NEIC	II	21 04 30 37.0–1.8	41.18N	142.04E	72–13	4.1b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=119.8km s-min=49.5km az=140.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=4.7km az=30.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=15.4km az=166.0.

(228) Near east coast of eastern Honshu

ISC	**II**	**21 09 22 47.0–1.2**	**36.22N–.03**	**140.98E–.06**	**31–9**	**3.6b**	**21**	**1-60**
NIED	II	21 09 22 00	36.20N	141.00E	44	3.6W		**¶12701415**
ISCJB	II	21 09 22 46.7–.68	36.20N–.03	140.96E–.07	45–9	3.6b		
IDC	II	21 09 22 48.0–1.2	35.49N	140.32E	0	3.7,3.5		
JMA	II	21 09 22 47.2–.10	36.18N	140.93E	43–1	3.5,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s158.00000°,δ89.00000°,λ-70.00000°. NP2:ϕ_s251.00000°,δ20.00000°,λ-177.00000°. $M_0$2.84000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.2km az=179.9.
IDC Error ellipse: s-maj=26.1km s-min=15.3km az=50.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s339.00000°,δ80.00000°,λ78.00000°. NP2:ϕ_s208.00000°,δ15.00000°,λ138.00000°. Principal axes: T Plg54.0000°,Azm235.0000°; N Plg11.0000°,Azm341.0000°; P Plg34.0000° ,Azm79.0000°

(196) Irian Jaya region

ISC	**II**	**21 13 35 38.5–.30**	**0.39S–.03**	**132.74E–.04**	**55–2**	**5.1b,4.5s**	**403**	**2-159**
BJI	II	21 13 35 30.6	1.11S	133.09E	50	5.4b,5.0b		**¶14189746**
IDC	II	21 13 35 31.0–.42	0.35S	132.69E	0	4.9,4.8		
MOS	II	21 13 35 34.3–.80	0.31S	132.61E	33	5.3b,4.8		
ISCJB	II	21 13 35 35.4–.57	0.34S–.03	132.74E–.03	44–5	5.1b,4.5s		
DJA	II	21 13 35 35	0.38S	132.75E	10	5.3W,4.5s		
NEIC	II	21 13 35 37.2–.99	0.40S	132.67E	45–9	5.5W,5.2b		
TEH	II	21 13 35 38.0	0.46S	132.63E	52	5.4L,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=19.7km s-min=10.2km az=65.0.
MOS Error ellipse: s-maj=14.2km s-min=6.2km az=118.1.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.2km az=135.7.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.3km az=61.0. Felt [III] at Sorong.

(127) Chile-Argentina border region

ISC	**II**	**21 15 01 31.9–.58**	**32.82S–.05**	**70.08W–.05**	**105–5**	**4.3b**	**348**	**0-165**
ISCJB	II	21 15 01 30.9–.30	32.79S–.04	70.02W–.06	102–2	4.4b		**¶12701438**
NEIC	II	21 15 01 30.0	32.78S	70.27W	112	4.6b		
GUC	II	21 15 01 30.7–.70	32.78S	70.27W	112–5	4.8L		
IDC	II	21 15 01 32.4–2.0	32.87S	69.93W	108–16	4.2,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=6.6km az=15.5.
NEIC Event type fe. Felt [III] at Los Andes, San Felipe and Santiago; [II] at La Ligua and Rancagua. After GUC.
GUC Error ellipse: s-maj=4.8km s-min=9.6km az=-1.0.
IDC Error ellipse: s-maj=20.8km s-min=16.6km az=83.0.

(460) Wyoming

ISC	**II**	**21 19 03 01.3–.56**	**43.75N–.02**	**105.29W–.02**	**0**	**3.6b**	**130**	**0-90**
ISCJB	II	21 19 03 00.8–.21	43.74N–.01	105.27W–.02	0	3.6b		**¶12701456**
IDC	II	21 19 03 01.4–1.8	43.77N	105.46W	0	3.7,3.6b		
NEIC	II	21 19 03 01.7–.27	43.80N	105.20W	0	3.3L,3.6b		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=2.0km az=177.6.
IDC Error ellipse: s-maj=53.8km s-min=8.3km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=3.7km s-min=3.6km az=217.0. 55 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**II**	**21 21 02 13.1–.61**	**43.64N–.02**	**105.28W–.02**	**0**		**119**	**0-62**
IDC	II	21 21 02 11.5–2.4	43.45N	105.34W	0	4.2b,4.0		**¶12701463**
ISCJB	II	21 21 02 12.8–.23	43.68N–.01	105.29W–.02	0	4.5b,4.0		
NEIC	II	21 21 02 14.2–.40	43.72N	105.21W	0	3.0L,4.0		

ISC Event type sm.
IDC Error ellipse: s-maj=56.5km s-min=8.8km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=2.1km az=166.0.
NEIC Event type fm. Error ellipse: s-maj=5.3km s-min=5.0km az=152.0. 70 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(107) Ecuador

ISC	**II**	**21 22 47 27.8–.31**	**2.82S–.03**	**78.15W–.06**	**9**	**5.0b,4.3s**	**708**	**1-164**
IDC	II	21 22 47 25.8–.56	2.74S	78.08W	0	4.7L,4.5		**¶11730851**
IGQ	II	21 22 47 26.3	2.77S	78.14W	12–14	5.2b,5.1s		
ISCJB	II	21 22 47 26.8–.18	2.85S–.02	78.22W–.03	9	4.9b,4.3s		
MOS	II	21 22 47 30.0–1.6	3.08S	78.30W	33	5.2b,4.3s		
BJI	II	21 22 47 31.4	2.70S	77.80W	10	5.6b,5.0		
NEIC	II	21 22 47 33.5–.37	2.70S	78.20W	35	5.5,5.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.9km s-min=11.7km az=52.0.
IGQ Error ellipse: s-maj=4.3km s-min=1.1km az=3.4.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=169.6.
MOS Error ellipse: s-maj=10.8km s-min=6.2km az=111.5.
NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=7.4km az=46.0. Felt at Cuenca, Guarumales, Macas and in Morona-Santiago.

(232) Western Honshu

JMA	**II**	**22 03 40 48.6**	**35.57N**	**136.40E**	**13**	**3.7**	
NIED	II	22 03 40 00	35.60N	136.40E	14	3.4W	**¶11713513**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s345.00000°,δ50.00000°,λ72.00000°. NP2:ϕ_s191.00000°,δ43.00000°,λ110.00000°. Principal axes: T Plg76.0000°,Azm193.0000°; N Plg13.0000°,Azm356.0000°; P Plg4.0000° ,Azm87.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ56.00000°,λ59.00000°. NP2:ϕ_s197.00000°,δ45.00000°,λ128.00000°. $M_0$1.41000×10^{14}

(263) Talaud Islands

ISC	**II**	**22 03 52 46.4–.30**	**3.85N–.03**	**126.76E–.04**	**32–1**	**5.1b,4.6s**	**565**	**3-169**
BJI	II	22 03 52 42.4	3.74N	127.07E	17	5.2b,5.0s		**¶13434965**
IDC	II	22 03 52 44.3–1.8	3.82N	126.70E	18–10	4.8,4.8		
ISCJB	II	22 03 52 44.5–.17	3.93N–.02	126.91E–.03	32	5.1b,4.6s		
MOS	II	22 03 52 45.0–1.4	3.89N	126.68E	33	5.3b,4.8s		
NEIC	II	22 03 52 46.6–.16	3.85N	126.73E	35	5.2b,4.8s		
DJA	II	22 03 52 52	3.67N	126.90E	71	5.0W,4.8s		

ISC Event type fe.
IDC Error ellipse: s-maj=18.8km s-min=10.4km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=175.3.
MOS Error ellipse: s-maj=11.1km s-min=5.5km az=114.7.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.1km az=66.0. Felt [II] in the Kepulauan Talaud.

(499) Oklahoma

ISC	**II**	**22 09 43 05.6–.61**	**36.33N–.02**	**98.27W–.03**	**1–5**		**45**	**2-28**
NEIC	II	22 09 43 06.8–.44	36.37N	98.09W	5	3.2		**¶11713524**
IDC	II	22 09 43 06.2–1.6	36.43N	98.19W	0	3.5,3.3		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=5.8km az=149.0. Felt at Fairview, Meno and Ringwood.
IDC Error ellipse: s-maj=25.1km s-min=12.1km az=100.0.

(222) East of Kuril Islands

ISC	**II**	**22 10 33 46.7–.37**	**48.95N–.04**	**158.06E–.03**	**18–1**	**5.2b,4.4s**	**1307**	**2-153**
ISCJB	II	22 10 33 43.4–.81	48.93N–.02	158.08E–.02	6–4	5.1b,4.4s		**¶13434971**
IDC	II	22 10 33 43.7–.39	48.89N	158.08E	0	5.0,5.0		
DJA	II	22 10 33 44	49.29N	158.83E	10	5.2b,5.0		
SKHL	II	22 10 33 46.1–1.8	48.80N	158.26E	56–24	6.0b,5.7		
BJI	II	22 10 33 46.5	48.94N	157.56E	12	5.2b,4.9b		
NEIC	II	22 10 33 46.0–1.7	48.90N	158.05E	13–10	5.3b,4.9b		
MOS	II	22 10 33 48.4–.90	48.98N	158.06E	39	5.3b,4.5s		
KRSC	II	22 10 33 48.6–1.0	49.31N	158.74E	5–5	5.4L,4.5s		
SZGRF	II	22 10 33 54.1	50.08N	156.89E	33	4.9b,4.5s		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.2km az=177.7.
IDC Error ellipse: s-maj=13.7km s-min=8.7km az=150.0.
SKHL Event type fe. Felt (II) at Severo-Kurilsk.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.3km az=163.0.
MOS Event type fe. Error ellipse: s-maj=6.7km s-min=3.7km az=96.2. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se.
SZGRF Kuril Islands, Russia.

(259) Mindanao

ISC	**II**	**22 10 42 35.7–.55**	**5.56N–.03**	**124.83E–.05**	**33–2**	**4.5b,3.9s**	**121**	**2-159**
BJI	II	22 10 42 31.9	5.11N	125.61E	67	5.1b,4.7s		**¶11713527**
IDC	II	22 10 42 36.2–.71	5.71N	124.85E	35–5	4.1,4.1		
MAN	II	22 10 42 36	5.49N	124.84E	33	5.3b,4.5s		
DJA	II	22 10 42 40	5.67N	125.10E	10	5.2b,4.5s		
NEIC	II	22 10 42 41.1–.75	5.74N	124.96E	83–7	4.6b,4.5s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.9km s-min=9.8km az=87.0.
MAN Event type fe. INTENSITY III - KIAMBA SARANGANI; INTENSITY II - GENERAL SANTOS CITY.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=5.0km az=69.0. Felt [III PIVS] at Kiamba and [II PIVS] at General Santos.

(196) Irian Jaya region

ISC	**II**	**22 12 15 49.3–.93**	**0.56S–.04**	**133.03E–.04**	**32–6**	**4.9b,4.0s**	**215**	**2-155**
IDC	II	22 12 15 44.1–.53	0.51S	133.00E	0	5.3L,5.0		**¶11713530**
BJI	II	22 12 15 44.5	1.02S	133.59E	35	5.1b,4.8s		
MOS	II	22 12 15 47.5–.89	0.55S	132.92E	33	4.9b,4.8s		
ISCJB	II	22 12 15 48.1–.68	0.55S–.03	133.13E–.03	37–6	4.9b,4.2s		
NEIC	II	22 12 15 49.6–.30	0.53S	133.09E	35	5.0b,4.2s		
DJA	II	22 12 15 50	0.81S	133.10E	10	5.2b,4.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=22.3km s-min=13.1km az=69.0.
MOS Error ellipse: s-maj=15.6km s-min=7.6km az=120.6.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.4km az=31.9.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=6.3km az=53.0. Felt [II] at Sorong.

(224) Hokkaido region

ISC	**II**	**22 14 24 11.6–.37**	**41.78N–.03**	**144.09E–.03**	**35–1**	**5.3b,5.1s**	**1314**	**1-152**
NIED	II	22 14 24 00	41.70N	144.20E	23	5.4W,5.1s		**¶13434978**
IDC	II	22 14 24 06.2–.44	41.75N	144.12E	0	5.0,5.0		
DJA	II	22 14 24 08	41.98N	144.26E	10	5.2b,5.0		
MOS	II	22 14 24 09.9–.78	41.72N	144.05E	33	5.6b,5.2s		
ISCJB	II	22 14 24 09.3–.64	41.75N–.02	144.01E–.02	27–4	5.2b,5.1s		
JMA	II	22 14 24 09.9–.20	41.71N	144.22E	34–3	5.4,5.1s		
BJI	II	22 14 24 11.4	41.79N	143.72E	33	5.5b,5.4s		
NEIC	II	22 14 24 11.7–1.2	41.75N	144.02E	33–8	5.4W,5.4W		
BGS	II	22 14 24 16.4–1.9	42.26N	142.33E	33	5.2b,5.4W		
SZGRF	II	22 14 24 16.8	42.41N	144.92E	33	5.5s,5.4b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ88.00000°,λ56.00000°. NP2:ϕ_s96.00000°,δ34.00000°,λ176.00000°. $M_0$1.64000×10^{17}
IDC Error ellipse: s-maj=14.2km s-min=11.1km az=107.0.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=104.4.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=153.7.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=159.0. Recorded [2 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-0.60 $M_{r\theta}$0.13 $M_{\theta\phi}$-0.43 $M_{\phi r}$1.06 Best double couple: NP1:ϕ_s13.00000°,δ72.00000°,λ76.00000°. NP2:ϕ_s231.00000° ,δ23.00000°,λ126.00000°. Principal axes: T 1.3800,Plg60.0000°,Azm262.0000° ; N -0.0400,Plg13.0000°,Azm17.0000°; P -1.3400,Plg25.0000°,Azm113.0000° $M_0$1.40000×10^{17} Moment Tensor Solution. $M_0$1.60000×10^{17}
BGS Error ellipse: s-maj=604.0km s-min=999.9km az=-1.0.
SZGRF Hokkaido, Japan, region.

(263) Talaud Islands

ISC	**II**	**22 17 45 23.1–.24**	**3.69N–.02**	**126.60E–.03**	**40–1**	**5.9b,5.7s**	**2344**	**3-169**
BJI	II	22 17 45 17.3	3.26N	126.69E	34	5.8s,5.8b		**¶11713537**
MOS	II	22 17 45 21.1–1.1	3.73N	126.53E	33	6.2b,5.6s		
NEIC	II	22 17 45 22.4–.12	3.68N	126.56E	32	6.0W,6.0		
IDC	II	22 17 45 22.1–1.6	3.71N	126.56E	30–10	5.6,5.5		
TEH	II	22 17 45 23.0	3.70N	126.59E	38	5.8L,5.5		
ISCJB	II	22 17 45 24.6–.31	3.67N–.01	126.66E–.02	68–2	5.8b,5.5		
DJA	II	22 17 45 27	3.61N	126.72E	72	5.9W,5.5		

ISC Event type fe.
MOS Error ellipse: s-maj=8.5km s-min=4.4km az=115.2.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=69.0. Felt [V] at Melonguanne. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s345.00000°,δ50.00000°,λ55.00000°. NP2:ϕ_s212.00000°,δ51.00000°,λ124.00000°. Principal axes: T Plg64.0000°,Azm188.0000°; N Plg0.0000°,Azm0.0000°; P Plg1.0000° ,Azm279.0000° Moment Tensor Solution. s59 Moment tensor: Scale 10^{17}Nm; M_{rr}5.91 $M_{\theta\theta}$1.77 $M_{\phi\phi}$-7.68 $M_{r\theta}$-2.07 $M_{\theta\phi}$0.24 $M_{\phi r}$1.02 Best double couple: NP1:ϕ_s200.00000° ,δ45.00000°,λ122.00000°. NP2:ϕ_s338.00000°,δ53.00000°,λ62.00000°. Principal axes: T 6.8200,Plg67.0000°,Azm188.0000°; N 0.9500,Plg21.0000°,Azm355.0000° ; P -7.7700,Plg4.0000°,Azm87.0000° $M_0$7.30000×10^{17}
IDC Error ellipse: s-maj=12.5km s-min=8.0km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=168.5.

(238) Ryukyu Islands

ISC	**II**	**22 19 49 42.4–.91**	**27.92N–.07**	**128.88E–.08**	**43–9**	**3.4b**	**25**	**0-77**
ISCJB	II	22 19 49 41.8–.42	27.95N–.07	128.86E–.08	51–7	3.5b		**¶12701557**
JMA	II	22 19 49 42.0–.20	28.01N	128.79E	39–3	3.2		
IDC	II	22 19 49 44.0–1.8	27.84N	128.82E	63–18	3.4,3.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=16.4km s-min=4.4km az=42.1.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=33.1km s-min=17.8km az=97.0.

(13) Kodiak Island region

ISC	**II**	**23 00 04 26.4–.21**	**59.03N–.02**	**153.79W–.02**	**94–1**	**4.9b**	**1159**	**0-150**
SZGRF	II	23 00 04 15.0	58.43N	157.68W	33	4.9b		**¶13434997**
MOS	II	23 00 04 24.6–.83	59.16N	153.99W	91	4.9b		
ISCJB	II	23 00 04 25.4–.17	59.18N–.01	153.95W–.02	96–1	4.9b		
BJI	II	23 00 04 26.6	59.66N	154.24W	95	5.2b,5.1b		
IDC	II	23 00 04 27.1–.50	59.23N	153.91W	96–3	4.6,4.5		
NEIC	II	23 00 04 27.2	58.92N	153.63W	88	5.0b,5.0W		
BGS	II	23 00 04 33.0–1.8	60.04N	152.60W	88	4.8b,5.0W		

ISC Event type fe.
SZGRF Alaska Peninsula, United States.
MOS Error ellipse: s-maj=8.5km s-min=4.0km az=88.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=24.3.
IDC Error ellipse: s-maj=10.0km s-min=7.4km az=8.0.
NEIC Event type fe. Felt at Homer and Kodiak. After AEIC. Moment Tensor Solution. $M_0$3.70000×10^{16}
BGS Error ellipse: s-maj=340.1km s-min=999.9km az=-1.0.

(263) Talaud Islands

ISC	**II**	**23 04 06 11.3–.35**	**3.99N–.03**	**126.76E–.05**	**33–1**	**4.9b,4.2s**	**313**	**3-161**
BJI	II	23 04 06 04.1	3.33N	126.87E	35	5.1b,4.8b		**¶11713576**
IDC	II	23 04 06 06.2–.43	3.90N	126.54E	0	4.7,4.7		
ISCJB	II	23 04 06 07.6–1.0	4.05N–.03	126.84E–.04	21–7	4.9b,4.3s		
MOS	II	23 04 06 09.4–1.1	3.93N	126.69E	33	5.2b,4.3s		
NEIC	II	23 04 06 11.3–.26	3.99N	126.70E	35	4.9b,4.3s		

DJA II 23 04 06 18 3.68N 126.80E 66 4.8b,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=21.3km s-min=9.8km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=168.9.
MOS Error ellipse: s-maj=15.0km s-min=6.6km az=116.0.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=5.2km az=68.0. Felt [III] at Melonguanne and [II] at Lirung.

(706) Northern Sumatera

ISC	**II**	**23 05 56 32.0–.19**	**0.51N–.03**	**98.55E–.03**	**40**	**5.7b,5.0s**	**1582**	**1-177**
BJI	II	23 05 56 29.4	0.32N	98.63E	45	5.8b,5.6b		**¶11713581**
MOS	II	23 05 56 30.3–.99	0.62N	98.62E	33	6.0b,4.8s		
NEIC	II	23 05 56 31.7–.11	0.48N	98.55E	35	5.8b,5.4W		
ISCJB	II	23 05 56 31.2–.11	0.57N–.02	98.49E–.02	40	5.7b,5.0s		
TEH	II	23 05 56 31.7	0.49N	98.54E	35	5.4L,5.0s		
IDC	II	23 05 56 31.2–1.5	0.50N	98.65E	32–10	5.9L,5.3		
DJA	II	23 05 56 34	0.56N	98.36E	51	5.3W,5.3		
SZGRF	II	23 05 56 40.0	0.04N	97.39E	38	5.7b,4.4s		

ISC Event type fe.
MOS Error ellipse: s-maj=7.5km s-min=3.9km az=115.4.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=220.0. Felt [III] on Nias. Felt [IV] at Natal and Tarutung, [III] at Sibolga and [II] at Aek godang and Lubuksikaping, Sumatra. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s349.00000°,δ35.00000° ,λ128.00000°. NP2:ϕ_s126.00000°,δ63.00000°,λ67.00000°. Principal axes: T 1.2400,Plg64.0000°,Azm356.0000°; N 0.1200,Plg20.0000°,Azm137.0000° ; P -1.3500,Plg15.0000°,Azm232.0000° M_o1.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=25.5.
IDC Error ellipse: s-maj=11.8km s-min=7.9km az=42.0.
SZGRF Northern Sumatera, Indonesia.

(159) North Island

ISC	**II**	**23 08 40 06.5–.96**	**39.80S–.02**	**174.56E–.03**	**20–12**		**194**	**0-6**
NEIC	II	23 08 40 08.0	39.77S	174.60E	24	4.1L		**¶12083361**
WEL	II	23 08 40 08.1–.13	39.77S	174.60E	26–1	4.1L		

ISC Event type fe.
NEIC Event type fe. Felt at Wanganui. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=90.0. Felt from King Country to Wellington, and from Taranaki to Manawatu, maximum. reported intensity MM 4.

(226) Near east coast of eastern Honshu

ISC	**II**	**24 02 52 17.7–.86**	**37.51N–.03**	**138.69E–.03**	**10–5**	**3.2b**	**25**	**0-57**
ISCJB	II	24 02 52 17.4–.93	37.50N–.03	138.70E–.04	12–7	3.3b		**¶11728563**
IDC	II	24 02 52 17.1–1.2	37.41N	138.33E	0	3.6,3.3		
JMA	II	24 02 52 18.0–.10	37.53N	138.71E	11–2	3.4,3.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.2km az=17.8.
IDC Error ellipse: s-maj=45.0km s-min=16.7km az=92.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(268) Sulawesi

ISC	**II**	**24 10 35 39.1–.80**	**1.79S–.03**	**120.57E–.04**	**29–5**	**5.0b,4.0s**	**342**	**1-160**
IDC	II	24 10 35 34.1–.46	1.61S	120.62E	0	4.6,4.6b		**¶11728581**
MOS	II	24 10 35 38.0–.98	1.74S	120.51E	33	5.1b,4.6b		
DJA	II	24 10 35 38	1.67S	120.50E	14	5.4,4.6b		
BJI	II	24 10 35 39.5	1.80S	120.50E	35	4.9b,4.8b		
ISCJB	II	24 10 35 39.1–.51	1.75S–.03	120.58E–.03	44–5	5.0b,4.0s		
NEIC	II	24 10 35 39.6–.24	1.74S	120.54E	35	5.1b,4.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.5km s-min=10.9km az=71.0.
MOS Error ellipse: s-maj=16.5km s-min=6.8km az=120.6.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.5km az=135.3.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=4.8km az=61.0. Felt [III] at Poso.

(706) Northern Sumatera

ISC	**II**	**24 12 13 14.6–.30**	**1.44N–.03**	**97.14E–.03**	**32–1**	**5.6s,5.5b**	**897**	**2-175**
ISCJB	II	24 12 13 12.8–.69	1.49N–.03	97.15E–.02	27–4	5.6s,5.4b		**¶13435047**
BJI	II	24 12 13 13.5	1.47N	97.28E	36	5.9s,5.9		
NEIC	II	24 12 13 13.6–.16	1.43N	97.17E	23	5.7s,5.6b		
MOS	II	24 12 13 13.5–1.0	1.51N	97.23E	33	5.8b,5.4s		
DJA	II	24 12 13 14	1.56N	97.10E	10	5.2b,5.4s		
IDC	II	24 12 13 15.1–1.9	1.44N	97.20E	37–14	5.3,5.3s		
SZGRF	II	24 12 13 18.5	2.07N	95.41E	33	5.2b,5.2s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.4km az=15.6.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.9km az=203.0. Felt [IV] at Gunungsitoli. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s130.00000°,δ75.00000°,λ90.00000°. NP2:ϕ_s310.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm40.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000° ,Azm220.0000° Moment Tensor Solution. s64 Moment tensor: Scale 10^{17}Nm; M_{rr}2.08 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-1.41 $M_{r\theta}$1.16 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.96 Best double couple: NP1:ϕ_s339.00000° ,δ27.00000°,λ107.00000°. NP2:ϕ_s139.00000°,δ64.00000°,λ81.00000°. Principal axes: T 2.6300,Plg69.0000°,Azm31.0000°; N -0.4600,Plg7.0000°,Azm143.0000° ; P -2.1800,Plg18.0000°,Azm235.0000° M_o2.40000×10^{17}
MOS Error ellipse: s-maj=7.8km s-min=4.1km az=115.6.
IDC Error ellipse: s-maj=13.2km s-min=8.4km az=34.0.
SZGRF Off west coast of northern Sumatera, Indonesia.

(159) North Island

WEL	**II**	**24 19 24 48.9–.07**	**39.35S**	**176.79E**	**41–1**	**3.6L**		**¶12083369**

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0. Felt in the Hawke"s Bay region, maximum reported intensity MM 3.

(224) Hokkaido region

ISC	**II**	**25 07 11 35.3–.91**	**41.54N–.03**	**142.08E–.04**	**57–9**	**3.9b**	**48**	**1-70**
NIED	II	25 07 11 00	41.50N	142.10E	56	3.8W		**¶12701818**
ISCJB	II	25 07 11 34.5–.36	41.54N–.03	142.07E–.04	68–4	3.8b		
JMA	II	25 07 11 34.9–.10	41.55N	142.07E	64–2	3.7		
IDC	II	25 07 11 35.5–2.6	41.52N	142.06E	60–21	3.8,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ70.00000°,λ98.00000°. NP2:ϕ_s176.00000°,δ21.00000°,λ68.00000°. M_o6.23000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=37.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ80.00000°,λ100.00000°. NP2: ϕ_s164.00000°,δ14.00000°,λ45.00000°. Principal axes: T Plg54.0000°,Azm312.0000° ; N Plg10.0000°,Azm208.0000°; P Plg34.0000°,Azm111.0000°
IDC Error ellipse: s-maj=20.0km s-min=15.3km az=132.0.

(259) Mindanao

ISC	**II**	**25 07 51 43.9–.47**	**9.11N–.03**	**126.32E–.05**	**72–3**	**5.0b**	**350**	**1-164**
DJA	II	25 07 51 37	9.52N	126.82E	10	5.1b		**¶13435075**
MOS	II	25 07 51 37.6–.98	9.13N	126.16E	33	5.2b		
BJI	II	25 07 51 39.7	8.77N	126.58E	80	4.9b,4.8b		
MAN	II	25 07 51 41	9.11N	126.37E	19	5.5b,4.8s		
ISCJB	II	25 07 51 42.4–.44	9.11N–.02	126.36E–.03	76–3	4.9b,4.8s		
IDC	II	25 07 51 42.6–1.4	9.15N	126.29E	60–11	4.6,4.6		
TEH	II	25 07 51 45.0	9.09N	126.21E	81	4.8L,4.6		
NEIC	II	25 07 51 45.1–.80	9.10N	126.28E	84–7	5.0b,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=12.6km s-min=5.8km az=112.5.
MAN Event type fe. INTENSITY IV - SAN FRANCISCO AGUSAN DEL SUR; INTENSITY III - BISLIG SURIGAO DEL SUR.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.4km az=161.4.
IDC Error ellipse: s-maj=15.8km s-min=8.7km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.2km az=68.0. Felt [IV PIVS] at San Francisco; [III PIVS] at Bislig and Hinatuan; [II PIVS] at Butuan, Compostela, La Paz and Surigao; [I PIVS] at Mati. Also felt [I PIVS] on Camiguin Island.

(218) Near east coast of Kamchatka Peninsula

ISC	**II**	**25 10 22 25.0–.28**	**53.75N–.03**	**159.47E–.03**	**137–1**	**4.8b**	**1053**	**0-144**
SZGRF	II	25 10 22 07.6	52.48N	159.80E	33	5.0b		**¶13435078**
MOS	II	25 10 22 23.2–.96	53.97N	159.14E	123	4.8b		
BJI	II	25 10 22 23.4	54.16N	159.22E	132	4.9b,4.8b		
ISCJB	II	25 10 22 24.8–.14	53.82N–.02	159.24E–.02	142–1	4.7b,4.8b		
KRSC	II	25 10 22 25.9–.80	53.75N	159.69E	123–43	4.6L,4.8b		
IDC	II	25 10 22 25.9–.39	53.99N	159.19E	136–3	4.5,4.5		
NEIC	II	25 10 22 25.5–.12	53.93N	159.15E	131	4.8b,4.5		
DJA	II	25 10 22 56.4–8.9	54N–13	157E–50	380–74	4.9b,4.7		

ISC Event type se.
SZGRF Off east coast of Kamchatka Peninsula, Russia.
MOS Event type fe. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
ISCJB Event type fe.
KRSC Event type se.
NEIC Event type se.

(228) Near east coast of eastern Honshu

ISC	**II**	**25 20 52 44.7–.64**	**36.40N–.04**	**141.08E–.06**	**43–6**	**4.0b**	**46**	**0-78**
NIED	II	25 20 52 00	36.40N	141.00E	44	3.9W		**¶12701860**
ISCJB	II	25 20 52 42.9–.76	36.42N–.03	141.10E–.06	41–7	3.9b		
JMA	II	25 20 52 43.7–.10	36.41N	141.01E	47–1	4.2		
IDC	II	25 20 52 45.8–.57	36.35N	140.98E	53–4	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ54.00000°,λ92.00000°. NP2:ϕ_s218.00000°,δ36.00000°,λ87.00000°. M_o9.05000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=5.0km az=22.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s54.00000°,δ78.00000°,λ95.00000°. NP2:ϕ_s211.00000°,δ13.00000°,λ67.00000°. Principal axes: T Plg57.0000°,Azm331.0000°; N Plg5.0000°,Azm233.0000°; P Plg33.0000° ,Azm140.0000°
IDC Error ellipse: s-maj=16.3km s-min=9.4km az=100.0.

(193) Bougainville - Solomon Islands region

ISC	**II**	**25 21 56 00.8–.75**	**10.76S–.08**	**161.76E–.10**	**29–5**	**3.8b,3.7s**	**32**	**2-94**
ISCJB	II	25 21 56 01.0–1.7	10.86S–.08	161.7E–.10	44–15	3.8b,3.7s		**¶12701865**
IDC	II	25 21 56 01.0–1.2	10.71S	161.66E	28–5	3.9,3.9L		
NEIC	II	25 21 56 03.4–1.1	10.80S	161.66E	51–10	4.3b,3.9L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.0km s-min=10.7km az=149.8.
IDC Error ellipse: s-maj=37.2km s-min=23.8km az=138.0.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=10.3km az=64.0. Felt on San Cristobal.

(32) Oregon

ISC	**II**	**26 09 52 48.5–.63**	**42.58N–.03**	**123.87W–.05**	**44–6**	**3.6b**	**205**	**0-97**
BJI	II	26 09 52 43.4	42.26N	124.03W	30	4.8b,4.8b		**¶11730105**
IDC	II	26 09 52 43.7–1.1	42.64N	123.71W	0	4.2,3.9		
ISCJB	II	26 09 52 47.3–.32	42.57N–.02	123.88W–.04	51–3	4.0b,3.1s		
PNSN	II	26 09 52 47.6	42.54N	123.90W	39	4.1,3.1s		
NEIC	II	26 09 52 47.6	42.54N	123.90W	39	4.2W,4.1		

ISC Event type fe.
IDC Error ellipse: s-maj=23.4km s-min=9.5km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.8km az=178.0.
PNSN Moment Tensor Solution. NP1:ϕ_s120.00000°,δ50.00000° NP2:ϕ_s330.00000°,δ44.00000° Principal axes: T Plg3.0000°,Azm224.0000°; P Plg74.0000°,Azm325.0000° Moment Tensor Solution. NP1:ϕ_s350.00000°,δ65.00000° NP2:ϕ_s100.00000°,δ54.00000° Principal axes: T Plg6.0000°,Azm47.0000°; P Plg45.0000°,Azm310.0000°
NEIC Event type fe. Felt [IV] at Agness; [III] at Glendale and Gold Beach; [II] at Azalea, Grants Pass, Merlin and Rogue River. Also felt at Ashland, Brookings, Canyonville, Cave Junction, Coos Bay, Coquille, Eugene, Gold Hill, Jacksonville, Medford, Murphy, Ophir, Port Orford, Riddle, Selma, Trail, Wilderville, Williams and Wolf Creek. After SEA. Moment Tensor Solution. M_o2.40000×10^{15}

(248) Philippine Islands region

ISC	**II**	**26 12 32 52.6–.23**	**19.08N–.02**	**121.24E–.03**	**39–2**	**4.8s,4.8b**	**464**	**1-153**
ISCJB	II	26 12 32 49.4–.83	19.10N–.02	121.24E–.03	25–5	4.8s,4.8b		**¶13435108**
MOS	II	26 12 32 50.0–1.0	19.04N	121.29E	33	5.1b,5.0s		
IDC	II	26 12 32 53.0–2.4	19.00N	121.31E	46–23	4.8,4.8s		
NEIC	II	26 12 32 52.4–.54	19.02N	121.27E	38–4	5.0b,4.8s		
MAN	II	26 12 32 53	19.03N	121.16E	22	5.4b,4.7s		
BJI	II	26 12 32 53.2	19.40N	121.03E	29	5.2b,5.0s		
TEH	II	26 12 32 53.0	19.06N	121.19E	35	4.9L,5.0s		
DJA	II	26 12 32 55	19.05N	120.66E	10	4.9b,5.0s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.9km az=4.8.
MOS Error ellipse: s-maj=8.3km s-min=4.8km az=112.0.
IDC Error ellipse: s-maj=13.2km s-min=9.3km az=77.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.7km az=136.0. Felt [II PIVS] at Laoag and Pasuquin, Luzon.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE; LAOAG CITY.

(263) Talaud Islands

ISC	**II**	**26 16 15 56.5–.30**	**3.63N–.03**	**126.69E–.04**	**78–2**	**5.1b**	**561**	**3-167**
IDC	II	26 16 15 48.1–2.6	3.66N	126.52E	9–15	4.9,4.9		**¶11730141**
MOS	II	26 16 15 49.9–.91	3.69N	126.54E	33	5.3b,4.0s		
NEIC	II	26 16 15 53.6–.90	3.69N	126.64E	53–8	5.2b,4.0s		
BJI	II	26 16 15 53.2	3.48N	126.70E	80	5.0b,5.0b		
ISCJB	II	26 16 15 54.1–.38	3.68N–.02	126.75E–.03	72–3	5.0b,5.0b		
TEH	II	26 16 15 56.0	3.70N	126.76E	81	5.0L,5.0b		
DJA	II	26 16 15 58	3.55N	126.83E	79	4.7W,5.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=17.1km s-min=9.8km az=78.0.
MOS Error ellipse: s-maj=10.6km s-min=5.1km az=113.7.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.2km az=72.0. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=165.0.

(377) Spain

ISC	**II**	**26 19 02 21.5–1.3**	**43.67N–.05**	**8.44W–.06**	**10**		**198**	**1-11**
CSEM	II	26 19 02 23.4–.29	43.67N	8.40W	15	3.5L		**¶11752941**
MDD	II	26 19 02 24.7–.73	43.69N	8.47W	20–1	2.6		
LDG	II	26 19 02 25.2–.30	43.67N	8.43W	16	3.2L		
INMG	II	26 19 02 26.7–1.2	43.48N	8.30W	13–4	2.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=3.3km az=118.0.
MDD Event type fe. Error ellipse: s-maj=8.3km s-min=3.8km az=129.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=3.6km az=119.0.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=2.5km az=131.0.

(249) Luzon

ISC	**II**	**27 02 21 17.0–.40**	**18.23N–.03**	**120.62E–.04**	**33–1**	**4.3b,3.7s**	**216**	**0-116**
MOS	II	27 02 21 13.5–1.0	18.07N	120.81E	33	4.6b,3.7s		**¶13435132**
BJI	II	27 02 21 15.7	18.29N	120.66E	28	4.6b,4.6b		
ISCJB	II	27 02 21 16.6–.28	18.27N–.02	120.60E–.03	44–3	4.4b,3.8s		
TEH	II	27 02 21 17.0	18.24N	120.51E	20	4.7L,3.8s		
NEIC	II	27 02 21 18.2–.78	18.20N	120.77E	53–7	4.5b,3.8s		
IDC	II	27 02 21 18.4–3.1	18.05N	120.81E	60–29	4.1L,4.1		
MAN	II	27 02 21 19	18.09N	120.66E	26	5.1b,4.3s		
DJA	II	27 02 21 25	17.65N	119.72E	10	4.7b,4.3s		

ISC Event type fe.
MOS Error ellipse: s-maj=13.4km s-min=6.8km az=117.8.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.1km az=0.3.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=6.5km az=95.0. Felt [IV PIVS] at Pasuquin and [II PIVS] at Baguio, Sinait and Vigan.
IDC Error ellipse: s-maj=15.9km s-min=11.1km az=77.0.
MAN Event type fe. INTENSITY IV - PASUQUIN ILOCOS NORTE; INTENSITY II - VIGAN ILOCOS SUR.

(164) Off east coast of South Island

WEL	**II**	**27 08 19 52.0–.14**	**43.06S**	**173.36E**	**26–1**	**3.8L**		
NEIC	II	27 08 19 52.0	43.06S	173.36E	26	3.8L		**¶12058390**

WEL Event type fe. Error ellipse: s-maj=1.7km s-min=0.8km az=90.0. Felt in the Canterbury region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Cheviot. After WEL.

(228) Near east coast of eastern Honshu

ISC	**II**	**27 09 23 44.0–2.0**	**37.34N–.06**	**141.4E–.10**	**48–15**		**19**	**0-3**
NIED	II	27 09 23 00	37.40N	141.30E	62	3.3W		**¶14157290**
ISCJB	II	27 09 23 44.2–1.2	37.35N–.05	141.30E–.09	52–9	3.3W		
JMA	II	27 09 23 44.6–.10	37.35N	141.26E	54–1	3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s140.00000°,δ60.00000°,λ126.00000°. NP2:ϕ_s265.00000°,δ46.00000°,λ45.00000°. M_o1.04000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=6.9km az=21.3.
JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**II**	**27 17 30 11.7–.69**	**36.43N–.06**	**140.66E–.07**	**53–5**	**4.0b,3.3s**	**41**	**0-152**

NIED II 27 17 30 00 36.50N 140.60E 59 4.2W,3.3s ¶12702027
ISCJB II 27 17 30 10.3–.63 36.37N–.06 140.77E–.07 59–4 4.0b,3.3s
IDC II 27 17 30 11.6–1.8 36.44N 140.59E 49–16 3.9,3.8
JMA II 27 17 30 12.6–.10 36.45N 140.59E 55–1 4.2,3.8
BJI II 27 17 30 15.8 36.90N 140.10E 70 4.8b,4.6s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ69.00000°,λ95.00000°. NP2:ϕ_s194.00000°,δ22.00000°,λ77.00000°. $M_0$2.56000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=7.2km az=43.7.
IDC Error ellipse: s-maj=17.2km s-min=13.0km az=101.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s13.00000°,δ63.00000°,λ87.00000°. NP2:ϕ_s200.00000°,δ27.00000°,λ96.00000°. Principal axes: T Plg72.0000°,Azm275.0000°; N Plg3.0000°,Azm14.0000°; P Plg18.0000° ,Azm105.0000°

(259) Mindanao

ISC II 27 17 43 04.8–1.3 9.45N–.03 125.54E–.05 13–8 4.4b,4.0s 105 0-120
IDC II 27 17 43 02.4–.56 9.37N 125.52E 0 4.2,4.1L ¶12702028
MAN II 27 17 43 04 9.42N 125.47E 3 4.8b,3.7s
NEIC II 27 17 43 08.3–1.2 9.42N 125.71E 38–11 4.6b,3.7s
ISC Event type fe.
IDC Error ellipse: s-maj=22.0km s-min=12.2km az=73.0.
MAN Event type fe. INTENSITY IV - MAINIT SURIGAO DEL NORTE; INTENSITY II - SURIGAO CITY; INTENSITY I - BISLIG SURIGAO DEL SUR.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=6.2km az=67.0. Felt [IV PIVS] at Mainit, [II PIVS] at Surigao and [I PIVS] at Bislig.

(228) Near east coast of eastern Honshu

ISC II 27 21 51 52.0–1.3 38.62N–.05 141.54E–.08 74–8 31 0-46
IDC II 27 21 51 50.2–14 38.70N 141.90E 82–68 3.7,3.7s ¶12702053
ISCJB II 27 21 51 51.2–.80 38.62N–.04 141.51E–.08 77–5 3.3b,3.7s
JMA II 27 21 51 52.0 38.62N 141.46E 73–1 3.1,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=172.6km s-min=48.3km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.5km az=16.4.
JMA Event type fe.

(460) Wyoming

ISC II 27 22 03 39.3–.53 43.66N–.02 105.26W–.02 0 3.9b 161 0-90
IDC II 27 22 03 35.4–2.2 42.97N 105.00W 0 4.1,4.0 ¶12702055
ISCJB II 27 22 03 40.1–.19 43.74N–.01 105.30W–.02 0 3.9b,4.0
NEIC II 27 22 03 40.1–.45 43.72N 105.19W 0 3.4L,4.0
ISC Event type sm.
IDC Error ellipse: s-maj=51.4km s-min=24.1km az=146.0.
ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.5km az=171.1.
NEIC Event type fm. Error ellipse: s-maj=8.4km s-min=5.1km az=154.0. 70 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(224) Hokkaido region

ISC II 28 00 35 56.1–.18 42.57N–.02 142.13E–.02 101 5.5b 2170 0-154
DJA II 28 00 35 45 42.78N 142.51E 10 5.4b ¶13435176
BJI II 28 00 35 54.5 42.55N 142.15E 106 5.2b,4.9b
BGS II 28 00 35 55.6–1.5 42.31N 141.67E 105 5.4b,4.9b
MOS II 28 00 35 55.3–.86 42.58N 142.13E 107 5.6b,4.4s
JMA II 28 00 35 55.0–.10 42.58N 142.19E 113–2 5.3,4.4s
ISCJB II 28 00 35 55.1–.06 42.55N–.01 142.12E–.01 105 5.5b,4.4s
SZGRF II 28 00 35 56.8 42.90N 142.85E 107 5.8b,4.4s
NEIC II 28 00 35 56.7–.08 42.61N 142.10E 105 5.5b,5.5W
IDC II 28 00 35 56.1–.45 42.62N 142.13E 100–3 5.1,5.1
NIED II 28 00 36 00 42.60N 142.20E 113 5.5W,5.1
ISC Event type se.
BGS Error ellipse: s-maj=306.6km s-min=800.7km az=-1.0.
MOS Error ellipse: s-maj=5.9km s-min=3.9km az=103.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s92.00000°,δ89.00000°,λ107.00000°. NP2: ϕ_s184.00000°,δ17.00000°,λ2.00000°. Principal axes: T Plg43.0000°,Azm18.0000° ; N Plg17.0000°,Azm272.0000°; P Plg42.0000°,Azm166.0000°
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.3km az=148.6.
SZGRF Hokkaido, Japan, region.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=154.0. Recorded [4 JMA] in southwestern Hokkaido and [2 JMA] in southeastern Hokkaido. Also recorded [3 JMA] in Aomori and [2 JMA] in Iwate and Miyagi, Honshu. Moment Tensor Solution. s52 Moment tensor: Scale 10^{17}Nm; M_{rr}0.56 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-1.03 $M_{r\theta}$1.65 $M_{\theta\phi}$-0.47 $M_{\phi r}$0.10 Best double couple: NP1:ϕ_s65.00000°,δ81.00000°,λ121.00000°. NP2:ϕ_s170.00000° ,δ33.00000°,λ17.00000°. Principal axes: T 2.1900,Plg44.0000°,Azm6.0000° ; N -0.6900,Plg30.0000°,Azm239.0000°; P -1.5000,Plg29.0000°,Azm130.0000° $M_0$1.90000×10^{17} Moment Tensor Solution. $M_0$2.00000×10^{17}
IDC Error ellipse: s-maj=8.9km s-min=7.3km az=123.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s71.00000°,δ81.00000°,λ130.00000°. NP2:ϕ_s172.00000°,δ41.00000°,λ14.00000°. $M_0$1.97000×10^{17}

(263) Talaud Islands

ISC II 28 01 43 32.5–.27 3.66N–.03 126.67E–.04 41–1 5.2b,4.7s 574 3-162
BJI II 28 01 43 25.1 3.07N 126.87E 35 5.2b,5.0b ¶11730724
IDC II 28 01 43 26.7–.39 3.64N 126.59E 0 4.9,4.9
MOS II 28 01 43 30.1–1.0 3.69N 126.61E 33 5.4b,4.7s
NEIC II 28 01 43 32.0–.15 3.67N 126.63E 35 5.2b,4.7s
ISCJB II 28 01 43 33.5–.39 3.68N–.02 126.74E–.03 64–3 5.1b,4.7s
DJA II 28 01 43 37 3.61N 126.89E 71 5.0W,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=15.9km s-min=9.5km az=73.0.
MOS Error ellipse: s-maj=9.8km s-min=4.8km az=116.1.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.7km az=68.0. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=162.8.

(30) Off coast of Oregon

ISC II 28 12 17 36.1–.69 43.28N–.06 126.84W–.06 11–3 4.4s,4.1b 99 2-89
ISCJB II 28 12 17 34.9–1.4 43.40N–.04 126.74W–.06 2–10 4.1b,4.1s ¶11788670
BJI II 28 12 17 34.6 43.20N 126.80W 10 4.6b,4.5
NEIC II 28 12 17 36.5–.71 43.24N 126.79W 10 4.2b,4.5
IDC II 28 12 17 36.2–2.0 43.50N 126.52W 0 4.0,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.8km az=143.6.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=5.4km az=50.0. Felt at Gold Beach.
IDC Error ellipse: s-maj=44.6km s-min=12.5km az=42.0.

(263) Talaud Islands

ISC II 28 12 24 14.6–.53 3.84N–.03 126.62E–.04 63–4 4.9b 312 1-157
BJI II 28 12 24 03.5 2.98N 126.99E 48 4.9b,4.9b ¶11730790
MOS II 28 12 24 09.3–.95 3.85N 126.42E 33 5.1b,4.9b
IDC II 28 12 24 10.7–2.3 3.83N 126.45E 31–16 4.5,4.5
NEIC II 28 12 24 12.9–.91 3.90N 126.52E 49–8 5.0b,4.5
ISCJB II 28 12 24 12.6–.43 3.84N–.02 126.63E–.03 65–4 4.8b,4.5
DJA II 28 12 24 17 3.77N 126.77E 81 5.0b,4.5
ISC Event type fe.
MOS Error ellipse: s-maj=11.9km s-min=5.6km az=114.7.
IDC Error ellipse: s-maj=16.6km s-min=9.1km az=78.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.2km az=70.0. Felt [II] at Melonguanne.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.3km az=160.8.

(259) Mindanao

ISC II 28 15 16 49.2–1.8 9.79N–.04 126.41E–.07 30–13 4.1b 69 1-146
IDC II 28 15 16 44.3–.54 9.78N 126.34E 0 4.2,4.1 ¶12702115
MAN II 28 15 16 51 9.73N 126.30E 29 4.9b,3.9s
NEIC II 28 15 16 54.4–1.8 9.66N 126.21E 81–16 4.2b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=30.7km s-min=12.2km az=69.0.
MAN Event type fe. INTENSITY III - SOCORRO BUCAS GRANDE SURIGAO DEL SUR.
NEIC Event type fe. Error ellipse: s-maj=21.2km s-min=8.1km az=69.0. Felt [III PIVS] at Socorro.

(274) Southern Sumatera

ISC II 28 16 51 39.6–1.5 1.18S–.07 99.81E–.07 64–13 4.5b 90 1-145
IDC II 28 16 51 31.0–.91 1.26S 99.78E 0 4.5L,4.3 ¶12702123
ISCJB II 28 16 51 40.0–.83 1.14S–.06 99.92E–.07 82–6 4.4b,4.3
DJA II 28 16 51 39.6–1.1 1S–5.0 100E–5.0 27–11 5.0b,4.4b
NEIC II 28 16 51 40.6–1.4 1.15S 99.98E 71–11 4.4b,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=33.4km s-min=13.8km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=13.7km s-min=6.3km az=141.8.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=5.9km az=51.0. Felt [III] at Padang, Pariaman and Sumpur, Sumatra.

(228) Near east coast of eastern Honshu

ISC III 01 04 34 46.3–.83 38.53N–.05 142.19E–.08 79–6 3.6b 47 1-89
NIED III 01 04 34 00 38.50N 142.10E 47 3.7W ¶12702161
ISCJB III 01 04 34 45.2–.72 38.53N–.04 142.18E–.08 83–5 3.5b
JMA III 01 04 34 46.9–.10 38.53N 142.07E 79–1 3.7
IDC III 01 04 34 46.4–.93 38.56N 142.25E 80–7 3.7s,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ84.00000°,λ-51.00000°. NP2:ϕ_s320.00000°,δ39.00000°,λ-170.00000°. $M_0$4.13000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=5.2km az=20.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=13.1km az=95.0.

(53) Revilla Gigedo Islands region

ISC III 01 12 14 48.2–1.9 22.06N–.05 108.45W–.06 31–12 4.6b,4.3s 549 2-124
BJI III 01 12 14 42.2 21.80N 108.50W 10 5.3b,5.0s ¶11731007
IDC III 01 12 14 42.8–.79 22.08N 108.73W 0 4.4,4.4L
ISCJB III 01 12 14 43.8–1.5 21.90N–.04 108.40W–.03 13–8 4.5b,4.2s
MEX III 01 12 14 43.8–.84 22.14N 108.42W 3–13 4.7,4.2s
NEIC III 01 12 14 44.8–.39 21.88N 108.48W 10 4.7,4.6b
GCMT III 01 12 14 45.1–.30 22.08N 108.53W 15–1 4.9W,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=23.3km s-min=13.4km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.1km az=29.3.
MEX Error ellipse: s-maj=7.4km s-min=5.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=3.9km az=47.0. Felt [II] at Puerto Vallarta, Mexico.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s28,c32; s77,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.95±.12 $M_{\theta\theta}$-1.37±.08; $M_{\phi\phi}$2.32±.12; $M_{r\theta}$1.06±.24; $M_{\theta\phi}$2.05±.09; $M_{\phi r}$-0.68±.20; Best double couple: NP1:ϕ_s245.00000°,δ67.00000°,λ-21.00000°. NP2:ϕ_s343.00000°,δ71.00000°,λ-155.00000°. Principal axes: T 3.2400,Plg3.0000° ,Azm113.0000°; N -0.2100,Plg59.0000°,Azm19.0000°; P -3.0300,Plg31.0000° ,Azm205.0000° $M_0$3.10000×10^{16}

(2) Southern Alaska

ISC III 01 16 03 14.9–.55 59.83N–.04 152.74W–.04 94–5 4.1b 156 0-149
ISCJB III 01 16 03 14.0–.23 59.82N–.03 152.76W–.05 104–2 4.0b ¶12702202
IDC III 01 16 03 14.1–1.6 59.96N 152.98W 79–16 3.8,3.7b
NEIC III 01 16 03 16.6 59.81N 152.77W 85 4.3b,3.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=147.1.
IDC Error ellipse: s-maj=13.0km s-min=11.6km az=163.0.
NEIC Event type fe. Felt at Homer. After AEIC.

(460) Wyoming

ISC III 01 21 01 38.9–.55 43.63N–.02 105.17W–.02 0 3.6b 126 0-90
IDC III 01 21 01 37.3–2.2 43.45N 105.24W 0 3.7,3.6b ¶12702215
ISCJB III 01 21 01 38.3–.24 43.72N–.02 105.26W–.02 0 3.7b,3.6b
NEIC III 01 21 01 39.7–.34 43.74N 105.21W 0 3.3L,3.6b
ISC Event type sm.
IDC Error ellipse: s-maj=57.2km s-min=7.6km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=2.6km s-min=2.3km az=12.1.
NEIC Event type fm. Error ellipse: s-maj=6.3km s-min=4.4km az=157.0. 70 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(76) Off coast of central America

ISC III 01 23 57 19.8–.50 12.84N–.05 88.57W–.04 54–3 4.9b,3.9s 676 1-163
IDC III 01 23 57 19.9–.72 13.08N 88.05W 53–5 4.4,4.3 ¶11731099
BJI III 01 23 57 20.3 12.90N 88.50W 70 5.1s,5.1b
ISCJB III 01 23 57 20.3–.29 12.82N–.03 88.55W–.03 69–2 4.8b,5.1b
NEIC III 01 23 57 20.3–.32 12.79N 88.47W 58 5.0b,4.9
CASC III 01 23 57 21.2–1.9 12.83N 88.60W 36–384 5.0L,5.0b
GCMT III 01 23 57 23.2–.40 12.79N 88.63W 60–2 4.9W,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=19.0km s-min=10.3km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=2.6km az=38.3.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=4.8km az=224.0. Felt [III] at San Salvador.
CASC Error ellipse: s-maj=9.0km s-min=5.7km az=-1.0.
GCMT Event type se. Data Used: II G CN IU IC. Moment Tensor Solution. s32,c38; s48,c64; Moment tensor: Scale 10^{16}Nm; M_{rr}2.22±.14 $M_{\theta\theta}$-2.41±.11; $M_{\phi\phi}$0.20±.13; $M_{r\theta}$0.48±.08; $M_{\theta\phi}$1.13±.11; $M_{\phi r}$-0.58±.08; Best double couple: NP1:ϕ_s278.00000°,δ39.00000°,λ71.00000°. NP2:ϕ_s122.00000°,δ53.00000°,λ105.00000°. Principal axes: T 2.3800,Plg76.0000° ,Azm80.0000°; N 0.5400,Plg12.0000°,Azm293.0000°; P -2.9100,Plg7.0000°,Azm201.0000° $M_0$2.70000×10^{16}

(268) Sulawesi

ISC III 02 00 03 41.5–.25 1.09S–.03 119.88E–.03 20–2 5.8b,5.1s 949 0-170
BJI III 02 00 03 30.6 2.02S 120.28E 10 5.7b,5.5b ¶15153007
IDC III 02 00 03 38.1–.30 1.08S 119.88E 0 5.4,5.4b
NEIC III 02 00 03 39.7–.16 1.11S 119.87E 11 5.9b,5.6
AUST III 02 00 03 40.7–.22 1.16S 119.89E 10–0 5.9b,5.6
ISCJB III 02 00 03 41.3–.59 1.10S–.02 119.90E–.02 32–4 5.7b,5.0s
MOS III 02 00 03 41.5–1.1 1.03S 119.91E 33 5.8b,4.9s
GCMT III 02 00 03 42.2–.10 1.05S 119.99E 13–0 5.6W,4.9s
DJA III 02 00 03 44.6–.60 1S–2.0 120E–1.0 23–5 6.0b,5.9
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Palu and [II] at Poso. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.25 $M_{\theta\theta}$0.95 $M_{\phi\phi}$1.30 $M_{r\theta}$0.62 $M_{\theta\phi}$-0.93 $M_{\phi r}$0.12 Best double couple: NP1:ϕ_s152.00000°,δ42.00000°,λ-72.00000°. NP2:ϕ_s308.00000° ,δ50.00000°,λ-106.00000°. Principal axes: T 2.1000,Plg4.0000°,Azm49.0000° ; N 0.3000,Plg12.0000°,Azm318.0000°; P -2.3900,Plg77.0000°,Azm157.0000° $M_0$2.30000×10^{17}
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=117, comp=242, per= 50. Moment Tensor Solution. s91,c164; s61,c66; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.47±.04 $M_{\theta\theta}$1.70±.03; $M_{\phi\phi}$0.77±.03; $M_{r\theta}$0.31±.07; $M_{\theta\phi}$-1.56±.02; $M_{\phi r}$-0.32±.08; Best double couple: NP1:ϕ_s125.00000°,δ40.00000°,λ-93.00000°. NP2:ϕ_s309.00000°,δ50.00000°,λ-87.00000°. Principal axes: T 2.9000,Plg5.0000°,Azm37.0000°; N -0.3900,Plg2.0000°,Azm127.0000° ; P -2.5100,Plg85.0000°,Azm241.0000° $M_0$2.70000×10^{17}

(110) Peru-Ecuador border region

ISC III 02 00 39 18.9–.29 4.07S–.05 80.97W–.07 39 4.7b,4.0s 561 4-166
ISCJB III 02 00 39 17.9–.20 4.05S–.03 80.93W–.04 39 4.6b,4.1s ¶11731101
IDC III 02 00 39 18.6–.45 4.05S 80.96W 33–2 4.8L,4.4
NEIC III 02 00 39 19.4–.58 4.08S 80.91W 40–5 5.1,4.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.5km az=144.0.
IDC Error ellipse: s-maj=21.4km s-min=8.7km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=4.3km az=56.0. Felt [III] at Cabo Blanco, Lobitos and Talara; [II] at Paita, Peru.

(244) Taiwan

ISC III 02 12 59 56.3–.72 24.27N–.01 120.99E–.02 12 117 0-2
NEIC III 02 12 59 55.9–1.4 24.29N 120.89E 10 4.4L ¶13865210
ISCJB III 02 12 59 57.0–.22 24.27N–.01 120.98E–.02 12 4.4L
TAP III 02 12 59 57.2 24.26N 121.02E 40–0 4.2L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=20.1km s-min=6.6km az=114.0. Recorded [2 TAP] in Chang-hua, I-lan, Miao-li and T'ai-chung; [1 TAP] in Hua-lien, Nan-t'ou and Yun-lin.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.4km az=29.7.
TAP B.

(160) Off east coast of North Island

ISC III 02 14 18 28.6–1.1 37.86S–.04 177.59E–.04 58–8 81 0-150
ISCJB III 02 14 18 28.1–.54 37.87S–.03 177.59E–.05 65–5 3.7b ¶12791093
WEL III 02 14 18 29.3–.13 37.82S 177.58E 50–1 3.9L
IDC III 02 14 18 35.2–5.1 34.69S 176.26E 0 4.0,3.7b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.8km az=144.5.
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.9km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
IDC Error ellipse: s-maj=206.3km s-min=59.1km az=166.0.

(224) Hokkaido region

ISC III 02 14 53 22.8–.68 43.76N–.07 145.23E–.05 123–6 3.3b 38 0-71
ISCJB III 02 14 53 21.9–.43 43.78N–.06 145.22E–.06 129–3 3.3b ¶12702273
JMA III 02 14 53 22.9–.10 43.77N 145.23E 124–1 3.2

IDC III 02 14 53 24.1–1.9 43.84N 145.12E 133–14 3.4,3.2
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=6.8km az=166.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=30.8km s-min=13.8km az=153.0.

(228) Near east coast of eastern Honshu

ISC	**III**	**02 19 42 43.5–.93**	**38.67N–.04**	**141.24E–.08**	**96–6**	**3.7b**	**35**	**0-67**
ISCJB	III	02 19 42 42.6–.60	38.67N–.04	141.26E–.09	103–3	3.6b		**¶12702293**
IDC	III	02 19 42 43.6–2.3	38.67N	141.29E	100–19	3.4b,3.4		
JMA	III	02 19 42 44.3	38.68N	141.17E	93–1	3.4,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.3km az=18.8.
IDC Error ellipse: s-maj=36.2km s-min=17.2km az=83.0.
JMA Event type fe.

(259) Mindanao

ISC	**III**	**02 21 15 24.0–.60**	**5.71N–.03**	**126.27E–.05**	**101–5**	**4.5b**	**248**	**1-151**
BJI	III	02 21 15 08.1	5.30N	126.53E	16	4.9b,4.6s		**¶15153019**
ISCJB	III	02 21 15 24.1–.33	5.79N–.02	126.29E–.03	121–3	4.6b,4.6s		
MAN	III	02 21 15 24	5.70N	125.92E	9	5.4b,4.7s		
AUST	III	02 21 15 24.7–.02	5.73N	126.25E	114–0	5.4b,4.7s		
NEIC	III	02 21 15 25.6–.84	5.77N	126.15E	118–8	4.8b,4.7s		
IDC	III	02 21 15 25.5–.75	5.67N	126.04E	116–6	4.1,4.1		
DJA	III	02 21 15 25.7–.50	6N–5.0	126E–4.0	105–4	5.4b,4.9		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [I PIVS] at Cateel.

(460) Wyoming

ISC	**III**	**03 00 13 03.5–.64**	**43.66N–.02**	**105.37W–.02**	**0**		**183**	**0-20**
IDC	III	03 00 13 01.3–2.3	43.49N	105.32W	0	3.6,3.4L		**¶12702309**
ISCJB	III	03 00 13 03.2–.18	43.70N–.01	105.34W–.02	0	3.6,3.4L		
NEIC	III	03 00 13 04.2–.61	43.73N	105.30W	0	2.8L,3.4L		

ISC Event type sm.
IDC Error ellipse: s-maj=53.6km s-min=9.4km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.7km az=160.5.
NEIC Event type fm. Error ellipse: s-maj=9.1km s-min=6.4km az=63.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(249) Luzon

ISC	**III**	**03 03 59 41.8–.63**	**14.00N–.08**	**124.17E–.08**	**36**	**4.0b**	**28**	**0-82**
IDC	III	03 03 59 35.7–1.0	13.86N	124.34E	0	4.6L,4.1		**¶12702322**
MAN	III	03 03 59 39	14.01N	124.12E	13	4.6b,3.5s		
ISCJB	III	03 03 59 40.5–.58	14.02N–.05	124.17E–.06	36	3.9b,3.1s		
NEIC	III	03 03 59 40.8–.60	13.84N	124.28E	35	4.0b,3.1s		

ISC Event type fe.
IDC Error ellipse: s-maj=41.9km s-min=17.6km az=63.0.
MAN Event type fe. INTENSITY III - BAGAMANOC CATANDUANES.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=6.2km az=144.4.
NEIC Event type fe. Error ellipse: s-maj=17.9km s-min=10.9km az=60.0. Felt [III PIVS] at Bagamanoc.

(210) South of Mariana Islands

ISC	**III**	**03 05 10 49.9–.31**	**13.15N–.04**	**143.88E–.04**	**138–2**	**5.2b**	**967**	**1-168**
ISCJB	III	03 05 10 48.6–.51	13.14N–.03	143.78E–.02	133–4	5.1b		**¶13435436**
BJI	III	03 05 10 48.5	13.12N	144.00E	145	5.2b,5.1b		
IDC	III	03 05 10 49.6–.50	13.10N	143.89E	136–4	4.9,4.9		
MOS	III	03 05 10 49.0–1.1	13.22N	143.76E	137	5.1b,4.9		
NEIC	III	03 05 10 50.2–.55	13.10N	143.84E	140–4	5.3b,4.9		
DJA	III	03 05 10 50.2–.30	13N–6.0	144E–6.0	142–5	5.5b,5.2		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Hagatna and Santa Rita; [II] at Hagatna Heights. Also felt at Andersen AFB, Chalan Pago, Dededo, Mangilao, Tamuning and Yigo.

(238) Ryukyu Islands

ISC	**III**	**03 10 27 26.7–.95**	**28.23N–.06**	**129.58E–.07**	**43–10**	**3.6b**	**29**	**0-76**
NIED	III	03 10 27 00	28.30N	129.50E	29	3.6W		**¶12702336**
ISCJB	III	03 10 27 25.9–.43	28.23N–.05	129.59E–.07	49–4	3.6b		
JMA	III	03 10 27 26.1–.10	28.29N	129.50E	38–2	3.5		
IDC	III	03 10 27 28.9–2.3	28.22N	129.44E	64–21	3.5,3.3		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s302.00000°,δ61.00000°,λ-103.00000°. NP2:ϕ_s148.00000°,δ32.00000°,λ-68.00000°. $M_0$2.39000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.3km s-min=3.9km az=35.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=29.5km s-min=14.0km az=101.0.

(212) Bonin Islands region

ISC	**III**	**03 12 14 33.6–.34**	**26.89N–.04**	**142.72E–.04**	**33**	**4.8b,4.0s**	**356**	**1-150**
NIED	III	03 12 14 00	27.00N	142.80E	11	4.5W,4.0s		**¶11743348**
BJI	III	03 12 14 29.7	26.63N	142.89E	37	4.9b,4.7b		
JMA	III	03 12 14 30.6	26.96N	142.79E	82–2	4.1,4.7b		
MOS	III	03 12 14 31.5–.85	26.88N	142.59E	33	5.0b,4.7b		
IDC	III	03 12 14 33.7–.61	26.91N	142.68E	37–4	4.4,4.3b		
ISCJB	III	03 12 14 33.5–.20	27.07N–.03	142.54E–.03	38	4.8b,4.0s		
NEIC	III	03 12 14 34.1–.22	26.89N	142.64E	38	5.0b,4.4W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s348.00000°,δ79.00000°,λ-110.00000°. NP2:ϕ_s230.00000°,δ22.00000°,λ-30.00000°. $M_0$5.93000×10^{15}
JMA Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=5.9km az=116.5.
IDC Error ellipse: s-maj=12.1km s-min=10.9km az=97.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.6km az=173.3.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=5.1km az=158.0. Recorded [1 JMA] in the Chichijima-retto. Moment Tensor Solution. $M_0$5.90000×10^{15}

(717) Afghanistan-Tajikistan border region

ISC	**III**	**03 14 22 14.0–.40**	**38.23N–.03**	**71.43E–.02**	**22–2**	**4.9b,4.6s**	**618**	**4-151**
NEIC	III	03 14 22 10.3–1.9	38.07N	71.59E	3–12	5.0b,4.6s		**¶13435473**
ISCJB	III	03 14 22 10.3–.78	38.12N–.02	71.56E–.02	10–4	4.8b,4.6s		
IDC	III	03 14 22 10.1–.41	38.16N	71.52E	0	4.8,4.8		
BJI	III	03 14 22 11.2	38.27N	71.35E	21	5.4L,5.0s		
NNC	III	03 14 22 14.0–2.4	38.43N	71.22E	0	5.2b,5.1		
MOS	III	03 14 22 14.8–1.1	38.18N	71.56E	42	5.1b,4.6s		
GCMT	III	03 14 22 15.9–.20	38.39N	71.38E	20–0	5.1W,4.6s		
SZGRF	III	03 14 22 19.6	39.00N	71.90E	33	4.8b,4.6s		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.7km az=213.0. Felt at Khorugh.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=20.6.
IDC Error ellipse: s-maj=9.3km s-min=8.2km az=152.0.
NNC Error ellipse: s-maj=28.5km s-min=15.6km az=155.0.
MOS Error ellipse: s-maj=5.0km s-min=3.7km az=115.9.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s45,c73; s80,c147; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.32±.19 $M_{\theta\theta}$-4.02±.16; $M_{\phi\phi}$7.33±.14; $M_{r\theta}$0.87±.34; $M_{\theta\phi}$1.77±.11; $M_{\phi r}$-1.00±.26; Best double couple: NP1:ϕ_s230.00000°,δ64.00000°,λ-21.00000°. NP2:ϕ_s329.00000°,δ71.00000°,λ-152.00000°. Principal axes: T 7.6700,Plg4.0000° ,Azm98.0000°; N -2.7400,Plg57.0000°,Azm1.0000°; P -4.9400,Plg33.0000°,Azm191.0000° $M_0$6.30000×10^{16}
SZGRF Afghanistan-Tajikistan border region.

(533) United Kingdom

ISC	**III**	**03 14 35 54.5–.82**	**51.05N–.02**	**1.16E–.01**	**7–6**		**339**	**0-8**
UCC	III	03 14 35 51.1	51.10N	1.17E	5	2.8L		**¶11745027**
CSEM	III	03 14 35 54.9–.08	51.06N	1.14E	2	3.6L		
ISCJB	III	03 14 35 54.0–.40	50.93N–.01	1.14E–.02	4–2	3.6L		
BGS	III	03 14 35 55.9	51.12N	1.18E	4	3.0L		
NEIC	III	03 14 35 55.9	51.12N	1.18E	4	3.5L,3.0L		
LDG	III	03 14 35 56.8–.08	51.11N	1.13E	5	3.7,3.6L		
STR	III	03 14 35 56.4–.72	51.11N	1.22E	5	3.4L,3.6L		

ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=40.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.1km az=30.0.
NEIC Event type fe. Felt [III] at Folkestone. Felt at Ashford, Canterbury, London and Ramsgate. After BGS.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=27.0.
STR Event type ke.

(307) Sichuan

ISC	**III**	**03 16 21 49.9–.45**	**31.78N–.03**	**104.97E–.03**	**19–1**	**5.0b,3.9s**	**482**	**1-128**
ISCJB	III	03 16 21 46.5–.86	31.80N–.02	104.97E–.02	8–5	4.9b,3.9s		**¶13435482**
IDC	III	03 16 21 46.9–.47	31.84N	104.98E	0	4.7,4.6		
TEH	III	03 16 21 48.0	31.77N	104.95E	10	5.0L,4.6		
BJI	III	03 16 21 48.7	31.90N	104.85E	25	4.7s,4.7b		
NEIC	III	03 16 21 48.6–.19	31.80N	104.79E	10	5.1b,4.7b		
DJA	III	03 16 21 50.4–.70	32N–9.0	105E–10	10	5.8b,5.4		
MOS	III	03 16 21 50.0–.76	31.81N	105.07E	33	5.2b,5.4		
SZGRF	III	03 16 21 55.8	31.70N	104.30E	33	5.2b,5.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.4km az=170.0.
IDC Error ellipse: s-maj=13.9km s-min=10.5km az=37.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.9km az=6.0. Felt at Chengdu and Mianyang.
MOS Error ellipse: s-maj=7.8km s-min=3.9km az=122.6.
SZGRF Sichuan, China.

(460) Wyoming

ISC	**III**	**03 20 04 21.7–.82**	**43.54N–.02**	**105.36W–.02**	**0**		**103**	**0-62**
ISCJB	III	03 20 04 21.0–.21	43.53N–.01	105.36W–.02	0			**¶12702381**
NEIC	III	03 20 04 21.7–.60	43.56N	105.30W	0	3.1L		
IDC	III	03 20 04 50.1–2.2	43.39N	105.16W	0	4.6b,3.9		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=2.1km az=171.5.
NEIC Event type fm. Error ellipse: s-maj=8.1km s-min=7.4km az=217.0. 80 km [50 miles] ENE of Midwest. Suspected Mining explosion.
IDC Error ellipse: s-maj=49.7km s-min=9.8km az=155.0.

(334) Mongolia

ISC	**III**	**04 03 44 59.7–.43**	**45.51N–.03**	**101.50E–.03**	**14–2**	**4.6b,4.3s**	**314**	**4-150**
BJI	III	04 03 44 55.8	45.49N	101.47E	10	5.5L,5.0s		**¶11752618**
ISCJB	III	04 03 44 57.0–.16	45.43N–.02	101.48E–.03	10	4.6b,4.3s		
IDC	III	04 03 44 57.0–.54	45.45N	101.50E	0	4.4,4.4		
MOS	III	04 03 44 58.7–1.4	45.49N	101.51E	22	4.8b,4.2s		
GCMT	III	04 03 44 59.9–.20	45.49N	101.51E	21–1	4.9W,4.2s		
NEIC	III	04 03 44 59.0–.21	45.44N	101.43E	10	4.8b,4.2s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=14.1.
IDC Error ellipse: s-maj=14.8km s-min=10.2km az=7.0.
MOS Error ellipse: s-maj=6.0km s-min=4.9km az=118.3.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s34,c37; s73,c131; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21±.13 $M_{\theta\theta}$0.60±.10; $M_{\phi\phi}$-0.39±.10; $M_{r\theta}$0.43±.18; $M_{\theta\phi}$3.14±.09; $M_{\phi r}$-0.58±.18; Best double couple: NP1:ϕ_s274.00000°,δ80.00000°,λ-9.00000°. NP2:ϕ_s5.00000°,δ81.00000°,λ-170.00000°. Principal axes: T 3.2800,Plg1.0000° ,Azm139.0000°; N -0.0400,Plg77.0000°,Azm46.0000°; P -3.2500,Plg13.0000° ,Azm230.0000° $M_0$3.30000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.3km az=152.0. Felt at Arvayheer.

(228) Near east coast of eastern Honshu

ISC	**III**	**04 10 04 31.2–.43**	**35.86N–.04**	**140.95E–.04**	**34–1**	**4.7b,3.9s**	**265**	**0-145**
NIED	III	04 10 04 00	35.90N	140.90E	47	4.6W,3.9s		**¶11752732**
BJI	III	04 10 04 28.9	35.88N	140.97E	44	4.9b,4.6b		
MOS	III	04 10 04 29.0–.92	35.87N	140.99E	33	4.8b,4.6b		
ISCJB	III	04 10 04 30.6–.41	35.90N–.03	140.94E–.04	44–3	4.6b,3.9s		
NEIC	III	04 10 04 31.3–.24	35.81N	140.90E	35	4.8b,4.5W		
JMA	III	04 10 04 32.0–.10	35.89N	140.85E	39–1	4.2,4.5W		
IDC	III	04 10 04 34.3–1.5	35.81N	140.77E	60–14	4.2,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ71.00000°,λ87.00000°. NP2:ϕ_s208.00000°,δ19.00000°,λ100.00000°. $M_0$7.62000×10^{15}
MOS Error ellipse: s-maj=8.7km s-min=5.3km az=117.5.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.7km az=163.1.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.7km az=137.0. Felt at Kashima and Tsukuba. Recorded [2 JMA] in Chiba and Ibaraki; [1 JMA] in Fukushima and Tochigi. Moment Tensor Solution. $M_0$7.60000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s44.00000°,δ69.00000°,λ92.00000°. NP2: ϕ_s218.00000°,δ21.00000°,λ85.00000°. Principal axes: T Plg66.0000°,Azm317.0000° ; N Plg2.0000°,Azm223.0000°; P Plg24.0000°,Azm132.0000°
IDC Error ellipse: s-maj=12.7km s-min=8.7km az=86.0.

(162) South Island

ISC	**III**	**04 14 41 23.0–.72**	**43.25S–.03**	**172.19E–.04**	**13**		**97**	**0-153**
ISCJB	III	04 14 41 21.9–.32	43.30S–.04	172.26E–.05	13	3.5s,3.4b		**¶12702429**
IDC	III	04 14 41 21.4–1.4	43.05S	172.29E	0	3.7,3.6		
NEIC	III	04 14 41 23.9	43.21S	172.16E	5	4.1L,3.6		
WEL	III	04 14 41 23.9–.12	43.21S	172.16E	5	4.1L,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.1km az=42.5.
IDC Error ellipse: s-maj=94.2km s-min=39.3km az=26.0.
NEIC Event type fe. Felt [IV] at Oxford. Felt in the central part of the South Island. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0. Felt from West Coast to Canterbury, maximum reported intensity MM 6.

(460) Wyoming

ISC	**III**	**04 17 53 39.5–.64**	**43.62N–.02**	**105.28W–.02**	**0**		**94**	**0-62**
IDC	III	04 17 53 37.0–2.4	43.16N	105.16W	0	3.8,3.6		**¶12702441**
ISCJB	III	04 17 53 40.4–.22	43.69N–.02	105.30W–.02	0	4.3b,3.6		
NEIC	III	04 17 53 40.8–.69	43.67N	105.15W	0	2.8L,3.6		

ISC Event type sm.
IDC Error ellipse: s-maj=48.1km s-min=9.2km az=156.0.
ISCJB Event type fm. Error ellipse: s-maj=2.5km s-min=2.2km az=160.1.
NEIC Event type fm. Error ellipse: s-maj=10.8km s-min=8.6km az=173.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(238) Ryukyu Islands

ISC	**III**	**04 18 13 49.3–.95**	**28.26N–.05**	**129.62E–.06**	**26–7**	**3.4b**	**31**	**0-76**
NIED	III	04 18 13 00	28.30N	129.50E	32	3.7W		**¶12702443**
ISCJB	III	04 18 13 49.4–.41	28.29N–.04	129.59E–.06	33–6	3.5b		
JMA	III	04 18 13 49.2	28.32N	129.52E	29–1	3.8		
IDC	III	04 18 13 53.0–1.3	28.37N	129.35E	62–15	3.3,3.2		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s151.00000°,δ70.00000°,λ-53.00000°. NP2:ϕ_s265.00000°,δ42.00000°,λ-149.00000°. $M_0$3.70000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=3.7km az=35.3.
JMA Event type fe.
IDC Error ellipse: s-maj=38.2km s-min=8.3km az=112.0.

(216) Mariana Islands

ISC	**III**	**04 20 45 29.6–.29**	**16.19N–.03**	**145.80E–.04**	**147–2**	**5.1b**	**809**	**3-167**
BJI	III	04 20 45 27.0	16.34N	146.16E	145	5.1b,5.0b		**¶11752977**
ISCJB	III	04 20 45 28.4–.69	16.23N–.03	145.73E–.02	139–6	5.1b,5.0b		
MOS	III	04 20 45 28.9–1.2	16.25N	145.68E	154	5.1b,5.0b		
IDC	III	04 20 45 29.5–.39	16.18N	145.66E	148–3	4.5,4.5		
NEIC	III	04 20 45 29.4–.16	16.21N	145.78E	141	5.2b,4.5		
DJA	III	04 20 45 31.3–1.3	16N–7.0	146E–15	150–9	5.6b,5.3b		
GCMT	III	04 20 45 33.2–.30	16.23N	145.88E	152–2	5.0W,5.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.2km az=170.7.
MOS Error ellipse: s-maj=9.4km s-min=6.2km az=100.2.
IDC Error ellipse: s-maj=9.5km s-min=5.1km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=153.0. Felt on Saipan.
GCMT Event type se. Data Used: IC G IU CN II. Moment Tensor Solution. s23,c26; s65,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.97±.11 $M_{\theta\theta}$3.23±.14; $M_{\phi\phi}$-0.26±.15; $M_{r\theta}$-0.68±.13; $M_{\theta\phi}$-1.65±.17; $M_{\phi r}$-0.23±.12; Best double couple: NP1:ϕ_s304.00000°,δ42.00000°,λ-72.00000°. NP2:ϕ_s100.00000°,δ51.00000°,λ-105.00000°. Principal axes: T 3.9300,Plg5.0000° ,Azm201.0000°; N -0.8200,Plg12.0000°,Azm110.0000°; P -3.1100,Plg77.0000° ,Azm312.0000° $M_0$3.50000×10^{16}

(460) Wyoming

ISC	**III**	**04 21 04 57.9–.49**	**43.64N–.02**	**105.28W–.02**	**0**	**3.5b**	**185**	**0-90**
IDC	III	04 21 04 57.1–.83	43.50N	105.31W	0	3.9L,3.8		**¶12702454**
ISCJB	III	04 21 04 58.3–.19	43.73N–.01	105.30W–.02	0	3.6b,3.8		
NEIC	III	04 21 04 58.6–.45	43.67N	105.22W	0	3.1L,3.8		

ISC Event type sm.
IDC Error ellipse: s-maj=18.1km s-min=8.7km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=1.9km az=161.4.
NEIC Event type fm. Error ellipse: s-maj=7.3km s-min=6.1km az=205.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(212) Bonin Islands region

ISC III 04 21 15 15.7–.43 26.95N–.04 142.52E–.04 57–2 4.8b,4.2s 352 0-150
NIED III 04 21 15 00 26.90N 142.60E 38 5.0W,4.2s **¶11752980**
IDC III 04 21 15 07.1–.42 26.86N 142.82E 0 4.5,4.4b
MOS III 04 21 15 10.8–.93 26.85N 142.63E 33 5.0b,4.4b
JMA III 04 21 15 12.7–.20 26.91N 142.63E 63 4.4,4.4b
ISCJB III 04 21 15 13.7–.51 26.99N–.03 142.55E–.04 52–4 4.8b,4.2s
NEIC III 04 21 15 14.2–.93 26.88N 142.58E 46–7 5.1b,4.9W
BJI III 04 21 15 14.1 26.92N 142.55E 64 5.0b,4.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ84.00000°,λ108.00000°. NP2:ϕ_s74.00000°,δ19.00000°,λ18.00000°. $M_0$3.32000×10^{16}
IDC Error ellipse: s-maj=11.9km s-min=10.3km az=37.0.
MOS Error ellipse: s-maj=9.8km s-min=5.4km az=112.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.8km az=30.5.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=5.5km az=139.0. Recorded [1 JMA] in the Chichijima-retto. Moment Tensor Solution. $M_0$3.30000×10^{16}

(89) Mona Passage

ISC III 04 22 30 26.9–.39 18.24N–.05 68.60W–.03 166–3 4.6b 398 1-135
LDG III 04 22 30 18.7–.25 18.38N 68.92W 110 4.7b **¶11752981**
BJI III 04 22 30 25.1 18.20N 68.60W 157 5.0b
ISCJB III 04 22 30 25.7–.21 18.21N–.04 68.58W–.02 163–1 4.5b
IDC III 04 22 30 26.1–.60 18.13N 68.63W 156–4 4.1,4.1
NEIC III 04 22 30 26.4 18.29N 68.56W 163 5.0b,4.8
RSPR III 04 22 30 26.4 18.29N 68.56W 163–2 4.8,4.5
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=12.3km s-min=8.2km az=83.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=2.8km az=13.7.
IDC Error ellipse: s-maj=10.4km s-min=7.1km az=23.0.
NEIC Event type fe. Felt [II] at Santo Domingo. Also felt at Higuey and Santiago. After RSPR.
RSPR Event type ke.

(55) Near coast of Jalisco

ISC III 05 06 23 41.7–1.1 20.77N–.05 105.34W–.08 20–7 23 1-17
NEIC III 05 06 23 42.0 20.90N 105.42W 16 4.2b,3.8 **¶11756941**
MEX III 05 06 23 44.9–1.1 20.80N 105.27W 14–13 3.9,3.8
ISC Event type fe.
NEIC Event type fe. Felt [III] at Bucerias and [II] at Puerto Vallarta. Also felt at Jaltemba and Valle de Banderas. After MEX.
MEX Error ellipse: s-maj=4.2km s-min=7.2km az=-1.0.

(227) Eastern Honshu

ISC III 05 08 43 19.9–1.2 38.75N–.03 140.84E–.03 3–9 3.7b 29 0-77
ISCJB III 05 08 43 20.4–.54 38.76N–.03 140.81E–.04 12–4 3.7b,2.9s **¶12702484**
JMA III 05 08 43 20.8 38.76N 140.78E 4–1 3.4,2.9s
IDC III 05 08 43 27.0–2.6 38.71N 140.58E 54–24 3.6,3.4b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.0km az=42.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s0.00000°,δ68.00000°,λ81.00000°. NP2:ϕ_s203.00000°,δ24.00000°,λ111.00000°. Principal axes: T Plg66.0000°,Azm254.0000°; N Plg8.0000°,Azm4.0000°; P Plg22.0000° ,Azm97.0000°
IDC Error ellipse: s-maj=25.3km s-min=16.5km az=102.0.

(227) Eastern Honshu

JMA III 05 10 49 50.7–.10 35.28N 138.37E 24–1 2.9 ¶15549016
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s343.00000°,δ85.00000°,λ105.00000°. NP2:ϕ_s92.00000°,δ16.00000°,λ19.00000°. Principal axes: T Plg48.0000°,Azm269.0000°; N Plg15.0000°,Azm162.0000°; P Plg38.0000° ,Azm60.0000°

(460) Wyoming

ISC III 05 19 31 53.5–.57 43.98N–.02 105.30W–.02 0 156 0-89
ISCJB III 05 19 31 53.2–.18 43.97N–.01 105.31W–.02 0 4.0b **¶12702512**
IDC III 05 19 31 54.7–.97 44.29N 105.72W 0 4.0b,3.8
NEIC III 05 19 31 54.6–.54 43.91N 105.16W 0 3.4L,3.8
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.7km az=166.8.
IDC Error ellipse: s-maj=22.3km s-min=8.5km az=143.0.
NEIC Event type fm. Error ellipse: s-maj=9.4km s-min=6.3km az=172.0. 50 km [30 miles] SE of Gillette. ML 3.4 [GS]. Suspected Mining explosion.

(115) Near coast of Peru

ISC III 05 23 59 01.4–.68 17.72S–.08 71.84W–.10 33 4.1b 25 4-150
IDC III 05 23 58 53.9–2.0 18.62S 72.11W 0 4.3L,4.1 **¶12702526**
ISCJB III 05 23 58 59.5–.64 17.65S–.07 71.86W–.09 33 3.9b,3.7s
NEIC III 05 23 59 03.0 17.67S 71.99W 34 4.3L,3.7s
ISC Event type fe.
IDC Error ellipse: s-maj=67.2km s-min=26.0km az=15.0.
ISCJB Event type fe. Error ellipse: s-maj=13.5km s-min=7.5km az=143.8.
NEIC Event type fe. Felt [II] at Ilo and Punta de Bombon. After ARE.

(590) Western Australia

ISC III 06 01 35 57.6–.33 16.27S–.04 121.24E–.04 10 4.8b,3.9s 131 5-147
ISCJB III 06 01 35 54.6–.24 16.26S–.03 121.24E–.04 10 4.7b,3.8s **¶11757254**
BJI III 06 01 35 55.8 16.20S 121.20E 6 5.1s,5.1b
IDC III 06 01 35 56.4–.72 16.08S 121.20E 0 4.6,4.6
NEIC III 06 01 35 57.7–.26 16.17S 121.30E 10 5.1L,4.7b
DJA III 06 01 35 58.5–.30 16S–4.0 121E–3.0 30 6.1,5.6b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Broome.

(73) El Salvador

ISC III 06 07 38 34.0–.89 12.90N–.06 88.69W–.05 86–8 4.3b 357 2-148
CASC III 06 07 38 31.3–2.3 12.59N 89.01W 10–18 4.4,4.4b **¶11788723**
ISCJB III 06 07 38 33.4–.49 12.99N–.06 88.61W–.05 89–4 4.2b,4.4b
NEIC III 06 07 38 35.8–.95 13.00N 88.54W 98–9 4.6,4.4b
IDC III 06 07 38 37.0–2.4 13.17N 88.33W 105–21 4.4s,4.4
ISC Event type fe.
CASC Error ellipse: s-maj=14.9km s-min=12.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=4.4km az=37.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=6.7km az=60.0. Felt [II] at San Salvador.
IDC Error ellipse: s-maj=30.3km s-min=11.9km az=57.0.

(603) Near southeast coast of Australia

ISC III 06 09 55 39.2–.58 38.35S–.05 145.62E–.05 12–2 4.6b,4.0s 101 1-147
ISCJB III 06 09 55 35.2–1.4 38.42S–.05 145.79E–.07 2–8 4.6b,4.1s **¶15153075**
NEIC III 06 09 55 36.0 38.45S 145.84E 14 4.6L,4.5b
AUST III 06 09 55 37.9–.72 38.39S 145.79E 8–0 4.6L,4.5b
IDC III 06 09 55 37.0–.97 38.29S 145.78E 0 4.6,4.6L
BJI III 06 09 55 38.2 38.40S 145.70E 5 5.3b,5.0s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=7.6km az=144.7.
NEIC Event type fe. Felt [IV] at Moe-Yallourn, Pakenham, Warragul and Wonthaggi; [III] at Ararat, Benalla, Bendigo, Craigieburn, Cranbourne, Crib Point, Hastings, Healesville, Melbourne, Morwell, Somerville, Sunbury and Traralgon; [II] at Bacchus Marsh, Ballarat, Castlemaine, Geelong, Lara, Leopold, Melton, Ocean Grove-Barwon Heads and Shepparton-Mooroopna. Also felt at Bridgewater-Gagebrook, Canberra, Clifton Springs, Colac, Horsham, Kyabram, Maryborough, Mildura, Sale, Sydney and Wodonga. After AUST.
AUST Error ellipse: s-maj=1.0km s-min=0.8km az=355.0.
IDC Error ellipse: s-maj=53.4km s-min=15.6km az=64.0.

(456) Montana

ISC III 06 11 29 54.0–.90 45.71N–.01 112.13W–.01 9–6 4.1b 307 0-97
BJI III 06 11 29 50.3 45.00N 111.94W 24 4.8b **¶11758354**
ISCJB III 06 11 29 53.4–.28 45.722N–.01 112.13W–.01 2–2 3.9b
IDC III 06 11 29 54.1–.61 45.74N 112.12W 0 4.5s,4.5
NEIC III 06 11 29 54.5 45.70N 112.13W 12 4.2L,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.4km az=148.1.
IDC Error ellipse: s-maj=10.4km s-min=8.4km az=76.0.
NEIC Event type fe. Felt [IV] at Pony, [III] at Whitehall and [II] at Bozeman, Harrison, Helena and Sheridan. Also felt at Belgrade, Big Sky, Cardwell, Ennis, Livingston, Manhattan, McAllister, Norris, Silver Star and Twin Bridges. After BUT.

(613) Hawaiian Islands

ISC III 06 12 09 15.4–1.6 19.3N–.20 155.17W–.07 10 3.6b 19 0-81
ISCJB III 06 12 09 13.3–.99 19.23N–.07 155.17W–.07 10 3.5b **¶12702561**
IDC III 06 12 09 14.4–3.5 19.44N 155.28W 0 3.9,3.6b
NEIC III 06 12 09 15.0 19.32N 155.12W 9 3.8L,3.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=7.9km az=32.8.
IDC Error ellipse: s-maj=85.1km s-min=37.6km az=6.0.
NEIC Event type fe. Felt [II] at Hilo, Kea'au, Kurtistown, Pahoa and Volcano. Also felt at Hawaii National Park, Honomu, Mountain View, Pa'auilo and Pepeekeo. After HVO.

(460) Wyoming

ISC III 06 21 02 23.8–.53 43.76N–.02 105.23W–.02 0 3.7b 228 0-90
IDC III 06 21 02 22.9–1.8 43.66N 105.37W 0 3.8,3.7b **¶12702587**
ISCJB III 06 21 02 23.5–.17 43.79N–.01 105.28W–.02 0 3.8b,3.7b
NEIC III 06 21 02 24.4–.52 43.82N 105.14W 0 3.4L,3.7b
ISC Event type sm.
IDC Error ellipse: s-maj=50.5km s-min=8.3km az=149.0.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.6km az=155.6.
NEIC Event type fm. Error ellipse: s-maj=7.8km s-min=6.4km az=175.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(289) Timor region

ISC III 07 00 36 14.7–.39 9.45S–.04 124.81E–.04 32–2 4.8b,4.2s 180 3-154
BJI III 07 00 36 08.7 10.02S 125.35E 35 5.1b,4.8s **¶11788744**
IDC III 07 00 36 10.4–.57 9.21S 124.69E 0 4.5,4.4
ISCJB III 07 00 36 12.2–.23 9.54S–.03 124.89E–.03 35 4.8b,4.2s
MOS III 07 00 36 12.0–1.6 9.32S 124.97E 33 5.1b,4.2s
NEIC III 07 00 36 14.5–.71 9.33S 124.85E 33–5 5.0b,4.2s
GCMT III 07 00 36 15.7–.30 9.27S 124.90E 21–2 5.0W,4.2s
DJA III 07 00 36 18.8–.30 10S–2.0 125E–2.0 41–5 5.3b,5.0
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] in Timor Tengah Utara.
GCMT Event type se. Data Used: IC IU G II CN. Moment Tensor Solution. s18,c26; s76,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.54±.16 $M_{\theta\theta}$-2.77±.13; $M_{\phi\phi}$3.31±.14; $M_{r\theta}$0.04±.22; $M_{\theta\phi}$-1.30±.11; $M_{\phi r}$-1.63±.30; Best double couple: NP1:ϕ_s121.00000°,δ71.00000°,λ172.00000°. NP2:ϕ_s214.00000°,δ82.00000°,λ19.00000°. Principal axes: T 4.1300,Plg19.0000° ,Azm79.0000°; N -1.0500,Plg69.0000°,Azm236.0000°; P -3.0700,Plg8.0000°,Azm347.0000° $M_0$3.60000×10^{16}

(162) South Island

WEL III 07 06 46 43.4–.16 45.47S 167.42E 12–1 3.7L ¶12791119
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.1km az=90.0. Felt from Fiordland to Southland, maximum reported intensity MM 4.

(224) Hokkaido region

ISC III 07 14 33 04.7–.25 41.79N–.03 143.71E–.03 31–1 5.6b,5.2s 1510 0-162
DJA III 07 14 32 57.9–.70 42N–8.0 144E–13 10 5.8b,5.4b **¶15850262**
NIED III 07 14 33 00 41.80N 143.80E 29 5.4W,5.4b
BJI III 07 14 33 03.4 41.76N 143.56E 35 5.5b,5.5b
MOS III 07 14 33 03.8–.85 41.79N 143.65E 35 6.0b,5.2s
IDC III 07 14 33 05.0–.34 41.83N 143.69E 32–2 5.1,5.1
ISCJB III 07 14 33 04.1–.26 41.75N–.02 143.64E–.02 37–2 5.5b,5.1s
NEIC III 07 14 33 04.9–.12 41.80N 143.69E 33 5.6b,5.4W
TEH III 07 14 33 04.0 41.77N 143.73E 28 5.5L,5.4W
JMA III 07 14 33 04.7–.10 41.80N 143.82E 39–3 5.4,5.4W
GCMT III 07 14 33 07.6–.20 41.64N 144.05E 40–0 5.3W,5.4W
SZGRF III 07 14 33 08.2 42.90N 143.18E 34 5.6b,5.4s
BGS III 07 14 33 12.2–1.7 42.72N 141.84E 33 5.4b,5.4s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ66.00000°,λ74.00000°. NP2:ϕ_s232.00000°,δ29.00000°,λ121.00000°. $M_0$1.45000×10^{17}
MOS Event type fe. Error ellipse: s-maj=7.0km s-min=3.8km az=109.4. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=9.1km s-min=7.9km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=143.3.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=145.0. Recorded [3 JMA] in southern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu. Moment Tensor Solution. s39 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s19.00000°,δ70.00000°,λ106.00000°. NP2: ϕ_s159.00000°,δ26.00000°,λ54.00000°. Principal axes: T 1.2900,Plg62.0000°,Azm313.0000° ; N 0.0400,Plg14.0000°,Azm192.0000°; P -1.3300,Plg22.0000°,Azm96.0000° $M_0$1.30000×10^{17} Moment Tensor Solution. $M_0$1.50000×10^{17}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s29.00000°,δ88.00000°,λ103.00000°. NP2: ϕ_s126.00000°,δ13.00000°,λ7.00000°. Principal axes: T Plg45.0000°,Azm312.0000° ; N Plg13.0000°,Azm209.0000°; P Plg42.0000°,Azm107.0000°
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 82, comp=152, per= 50. Moment Tensor Solution. s73,c126; s5,c5; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s218.00000°,δ24.00000° ,λ99.00000°. NP2:ϕ_s28.00000°,δ66.00000°,λ86.00000°. Principal axes: T 1.1600,Plg69.0000°,Azm291.0000°; N 0.1600,Plg4.0000°,Azm30.0000° ; P -1.3200,Plg21.0000°,Azm121.0000° $M_0$1.20000×10^{17}
SZGRF Hokkaido, Japan, region.
BGS Error ellipse: s-maj=505.9km s-min=999.9km az=-1.0.

(391) Albania

ISC III 07 18 51 20.4–.79 41.18N–.01 19.56E–.02 23–5 4.2b,3.8s 737 0-123
ATH III 07 18 51 16.8 41.39N 19.18E 30–6 4.3L,3.8s **¶11788786**
BJI III 07 18 51 16.5 41.55N 18.55E 35 5.2b,4.9s
SZGRF III 07 18 51 17.6 40.82N 19.24E 10 5.2b,4.9s
PRU III 07 18 51 17.7 40.68N 19.32E 29 4.1,4.9s
BEO III 07 18 51 18.2–.64 41.03N 19.42E 4–2 4.3L,4.9s
TIR III 07 18 51 19.0–4.2 41.15N 19.53E 25–72 4.4L,4.9s
MOS III 07 18 51 19.1–1.1 41.12N 19.32E 33 4.4b,4.9s
LDG III 07 18 51 19.3–.08 41.23N 19.52E 10 4.2L,4.9s
NEIC III 07 18 51 19.7–1.1 41.21N 19.50E 19–7 4.2L,4.1b
PDG III 07 18 51 20.6–.93 41.20N 19.52E 20–2 4.0,3.9L
ROM III 07 18 51 20.1–.14 41.18N 19.50E 10 4.1L,3.9L
CSEM III 07 18 51 21.3–.07 41.18N 19.48E 20 4.4b,4.1b
IDC III 07 18 51 21.9–2.5 41.19N 19.51E 33–18 4.0,3.9L
THE III 07 18 51 21.0 41.23N 19.43E 24–4 4.2L,3.9L
ISC Event type fe.
ATH Error ellipse: s-maj=3.5km s-min=4.4km az=-1.0.
SZGRF Albania.
BEO Event type ke.
TIR Error ellipse: s-maj=28.9km s-min=18.1km az=-1.0.
MOS Error ellipse: s-maj=5.3km s-min=3.6km az=89.3.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=16.0.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.2km az=188.0. Felt [II] at Tirana, Albania.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=90.0.
ROM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=135.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=42.0.
IDC Error ellipse: s-maj=14.2km s-min=9.9km az=25.0.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=0.8km az=298.0.

(233) Near south coast of western Honshu

JMA III 07 21 02 19.7 34.93N 135.57E 15–1 3.8
NIED III 07 21 02 00 34.90N 135.60E 17 3.5W **¶14160032**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s154.00000°,δ82.00000°,λ26.00000°. NP2:ϕ_s60.00000°,δ64.00000°,λ171.00000°. Principal axes: T Plg24.0000°,Azm20.0000°; N Plg63.0000°,Azm170.0000°; P Plg12.0000° ,Azm284.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s154.00000°,δ86.00000°,λ22.00000°. NP2:ϕ_s63.00000°,δ68.00000°,λ176.00000°. $M_0$2.15000×10^{14}

(238) Ryukyu Islands

ISC III 08 05 45 56.7–3.4 28.13N–.04 130.30E–.05 13–21 4.0b,3.7s 61 0-85
IDC III 08 05 45 55.0–.63 28.21N 130.19E 0 3.9,3.9 **¶12702686**
JMA III 08 05 45 56.2–.10 28.09N 130.37E 25–1 4.4,3.9
NEIC III 08 05 45 56.5–3.6 28.20N 130.20E 10–22 4.4,3.9
ISCJB III 08 05 45 57.2–.85 28.15N–.03 130.31E–.05 30–5 3.8b,3.7s
NIED III 08 05 46 00 28.10N 130.30E 8 4.3W,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=12.3km az=84.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=14.1km s-min=7.2km az=91.0. Recorded [1 JMA] on Kikaiga-shima.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.9km az=13.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s69.00000°,δ86.00000°,λ138.00000°. NP2:ϕ_s163.00000°,δ48.00000°,λ5.00000°. $M_0$3.20000×10^{15}

(451) New Brunswick

OTT	**III**	**08 08 16 04.6–.07**	**46.60N**	**66.31W**	**5**	**3.4**		
NEIC	III	08 08 16 04.6	46.60N	66.31W	5	3.6,3.4		¶11788804

OTT Event type fe. 70km west from Rogersville, Nb. Felt Northern Appalachians Seismic Zone. Was felt in Doaktown, Blissville, Boiestown, Nb.

NEIC Event type fe. Felt [III] at Chatham and [II] at Fredericton. Also felt at Bailey, Bathurst, Boiestown, Doaktown and Plaster Rock. After OTT.

(227) Eastern Honshu

ISC	**III**	**08 13 34 21.5–.80**	**38.29N–.04**	**141.04E–.06**	**88–6**	**3.9b**	**41**	**0-73**
NIED	III	08 13 34 00	38.30N	141.00E	89	3.8W		¶12702719
ISCJB	III	08 13 34 20.7–.44	38.32N–.03	141.05E–.06	97–3	3.8b		
IDC	III	08 13 34 22.3–1.6	38.33N	140.99E	96–15	3.6,3.6		
JMA	III	08 13 34 22.2	38.31N	140.99E	86–1	3.8,3.6		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s325.00000°,δ69.00000°,λ-62.00000°. NP2:ϕ_s89.00000°,δ34.00000°,λ-141.00000°. $M_0$5.52000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.9km az=21.9.

IDC Error ellipse: s-maj=21.6km s-min=11.6km az=93.0.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s324.00000°,δ70.00000°,λ-52.00000°. NP2:ϕ_s77.00000°,δ42.00000°,λ-150.00000°. Principal axes: T Plg17.0000°,Azm27.0000°; N Plg35.0000°,Azm129.0000°; P Plg50.0000° ,Azm276.0000°

(39) Central California

ISC	**III**	**08 14 47 17.8–1.5**	**37.47N–.04**	**121.82W–.04**	**0–16**		**27**	**0-6**
ISCJB	III	08 14 47 18.4–.84	37.42N–.05	121.83W–.06	12–9			¶11788814
NEIC	III	08 14 47 19.5	37.47N	121.80W	10	3.5W		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.1km az=137.5.

NEIC Event type fe. Felt [III] at Redwood City and [II] at Atherton, Campbell, Cupertino, Fremont, Los Altos, Los Gatos, Menlo Park, Milpitas, Mountain View, Newark, Oakland, Palo Alto, Pleasanton, San Francisco, San Jose, Santa Clara, Stanford, Sunnyvale and Union City. After NCEDC. Moment Tensor Solution. $M_0$2.00000×10^{14}

(70) Guatemala

ISC	**III**	**08 22 15 02.2–.39**	**13.95N–.04**	**91.65W–.03**	**58–2**	**4.9b,4.2s**	**654**	**0-160**
IDC	III	08 22 15 02.5–.52	14.18N	91.17W	58–4	4.4,4.3		¶11788827
ISCJB	III	08 22 15 02.0–.21	14.03N–.03	91.59W–.02	58	4.8b,4.1s		
BJI	III	08 22 15 02.7	14.10N	91.40W	60	5.3s,5.2b		
NEIC	III	08 22 15 02.8–.22	14.05N	91.36W	59	4.9b,4.7		
MEX	III	08 22 15 03.2–.64	13.71N	91.97W	30	4.6,4.7		
CASC	III	08 22 15 03.3–1.9	13.87N	91.55W	22–12	4.9b,4.7		
GCMT	III	08 22 15 03.6–.30	13.92N	91.98W	50–1	5.0W,4.7		

ISC Event type fe.

IDC Error ellipse: s-maj=22.3km s-min=10.0km az=57.0.

ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.1km az=31.5.

NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.7km az=51.0. Felt [II] at Guatemala. Also felt at Alotenango, Antigua Guatemala, Ciudad Vieja, La Esperanza, Mazatenango, Mixco, Retalhuleu, San Francisco Zapotitlan, San Pedro La Laguna, San Pedro Sacatepequez and Villa Nueva.

MEX Error ellipse: s-maj=6.3km s-min=7.8km az=-1.0.

CASC Error ellipse: s-maj=9.5km s-min=8.2km az=-1.0.

GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s47,c63; s52,c75; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.33±.20 $M_{\theta\theta}$1.33±.15; $M_{\phi\phi}$3.00±.18; $M_{r\theta}$0.21±.10; $M_{\theta\phi}$-2.67±.11; $M_{\phi r}$-0.79±.14; Best double couple: NP1:ϕ_s139.00000°,δ41.00000°,λ-97.00000°. NP2:ϕ_s328.00000°,δ50.00000°,λ-84.00000°. Principal axes: T 5.0200,Plg5.0000° ,Azm54.0000°; N -0.6100,Plg4.0000°,Azm144.0000°; P -4.4100,Plg84.0000°,Azm278.0000° $M_0$4.70000×10^{16}

(478) Utah

ISC	**III**	**09 03 20 23.4–1.1**	**38.82N–.02**	**111.72W–.02**	**2–10**		**76**	**0-6**
ISCJB	III	09 03 20 23.1–.39	38.82N–.01	111.72W–.02	1–3			¶11788835
NEIC	III	09 03 20 23.0	38.82N	111.74W	3	3.0L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.5km az=158.6.

NEIC Event type fe. Felt [III] at Salina. Also felt at Centerfield. After SLC.

(71) Near coast of Guatemala

ISC	**III**	**09 06 01 11.0–.39**	**13.52N–.03**	**90.71W–.03**	**54–3**	**5.2b,4.8s**	**966**	**1-154**
MOS	III	09 06 01 07.8–1.2	13.61N	90.44W	33	5.4b,4.7s		¶11788840
IDC	III	09 06 01 09.3–1.3	13.75N	90.29W	37–9	5.5L,4.8		
CASC	III	09 06 01 10.5–1.6	13.47N	90.77W	21–5	5.3L,5.3b		
ISCJB	III	09 06 01 10.0–.16	13.57N–.02	90.66W–.02	50	5.2b,4.8s		
SZGRF	III	09 06 01 11.1	15.47N	91.92W	33	5.0b,4.8s		
NEIC	III	09 06 01 11.1–.22	13.54N	90.57W	50	5.4,5.3b		
GCMT	III	09 06 01 12.4–.10	13.46N	90.89W	40–0	5.4W,5.3b		

ISC Event type fe.

MOS Error ellipse: s-maj=9.8km s-min=4.6km az=107.6.

IDC Error ellipse: s-maj=18.8km s-min=9.1km az=53.0.

CASC Error ellipse: s-maj=4.1km s-min=3.8km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.9km az=33.3.

SZGRF Mexico-Guatemala border region.

NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.5km az=224.0. Felt [IV] at Antigua Guatemala and [II] at Guatemala. Also felt at Chichicastenango, Chiquimulilla, Ciudad Vieja, Fraijanes, Jocotenango, Jutiapa, La Esperanza, Mazatenango, Mixco, Palin, Panajachel, Quetzaltenango, San Jose, San Jose El Idolo, San Lucas Sacatepequez, San Pedro La Laguna, Santa Catarina Pinula, Santiago Sacatepequez, Totonicapan and Villa Nueva. Felt [III] at San Salvador, El Salvador. Also felt at San Juan Opico. Felt at Tapachula and Tuxtla Gutierrez, Mexico.

GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s82,c135; s81,c142; Moment tensor: Scale 10^{17}Nm; M_{rr}1.16±.03 $M_{\theta\theta}$-1.26±.02; $M_{\phi\phi}$0.10±.02; $M_{r\theta}$-0.44±.02; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$0.26±.02; Best double couple: NP1:ϕ_s57.00000°,δ40.00000°,λ62.00000°. NP2:ϕ_s272.00000°,δ56.00000°,λ111.00000°. Principal axes: T 1.3300,Plg71.0000° ,Azm233.0000°; N 0.0900,Plg18.0000°,Azm79.0000°; P -1.4200,Plg8.0000°,Azm347.0000° $M_0$1.40000×10^{17}

(265) Minahassa Peninsula, Sulawesi

ISC	**III**	**09 13 59 11.7–.63**	**0.47S–.04**	**123.18E–.05**	**63–5**	**4.7b**	**199**	**1-160**
BJI	III	09 13 59 08.1	1.00S	123.51E	83	5.0b,4.7b		¶15153117
IDC	III	09 13 59 10.6–1.5	0.38S	123.18E	58–13	4.2,4.1		
ISCJB	III	09 13 59 10.8–.37	0.52S–.03	123.23E–.03	66–4	4.7b,4.1		
DJA	III	09 13 59 11.4–.60	1S–2.0	123E–2.0	11–5	5.3b,5.1		
NEIC	III	09 13 59 13.5–.93	0.49S	123.24E	84–9	4.9b,5.1		
AUST	III	09 13 59 16.3	1.00S	123.00E	100	4.9b,5.1		

ISC Event type fe.

IDC Error ellipse: s-maj=14.5km s-min=8.5km az=76.0.

ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.3km az=148.6.

NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.7km az=64.0. Felt [II] at Luwuk.

(613) Hawaiian Islands

ISC	**III**	**09 19 44 51.1–.55**	**20.12N–.09**	**155.29W–.09**	**10**	**3.9b**	**37**	**1-141**
ISCJB	III	09 19 44 49.0–.53	20.14N–.07	155.29W–.07	10	4.0b,3.9s		¶11788858
IDC	III	09 19 44 49.1–1.2	20.12N	155.20W	0	4.1,3.9		
NEIC	III	09 19 44 53.0	20.11N	155.17W	19	4.0,3.9		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=8.1km az=36.3.

IDC Error ellipse: s-maj=39.6km s-min=24.5km az=157.0.

NEIC Event type fe. Felt [IV] at Honoka'a, Laupahoehoe, Ninole, Pa'auilo, Pepeekeo and Waimea; [III] at Hakalau, Honomu, Kapaau, Kealakekua, Papa'ikou and Waikoloa. Felt [II] throughout Hawai'i and Maui and at Honolulu, O'ahu. Also felt on Lana'i. After HVO.

(61) Chiapas

ISC	**III**	**10 00 36 43.4–.27**	**16.54N–.03**	**93.39W–.03**	**154–2**	**4.9b**	**853**	**0-157**
MOS	III	10 00 36 42.8–1.2	16.58N	93.12W	156	5.1b		¶11789678
IDC	III	10 00 36 42.7–.34	16.55N	93.46W	148–2	4.4,4.4		
MEX	III	10 00 36 44.9–1.0	16.46N	93.65W	148–9	5.0,4.4		
NEIC	III	10 00 36 44.0	16.46N	93.65W	147	5.0b,4.9		
ISCJB	III	10 00 36 44.4–.23	16.57N–.03	93.24W–.03	171–2	4.8b,4.9		
GCMT	III	10 00 36 45.3–.40	16.63N	93.49W	162–3	5.0W,4.9		
CASC	III	10 00 37 00.2–3.0	16.50N	91.61W	0–77	5.0b,4.9		

ISC Event type fe.

MOS Error ellipse: s-maj=10.6km s-min=4.8km az=100.8.

IDC Error ellipse: s-maj=9.5km s-min=5.8km az=42.0.

MEX Error ellipse: s-maj=6.8km s-min=4.9km az=-1.0.

NEIC Event type fe. Felt at Arriaga, Oaxaca, San Cristobal de las Casas and Tuxtla Gutierrez. After MEX.

ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.9km az=42.8.

GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s28,c33; s73,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.15 $M_{\theta\theta}$-1.54±.17; $M_{\phi\phi}$1.49±.17; $M_{r\theta}$3.19±.12; $M_{\theta\phi}$-1.02±.17; $M_{\phi r}$-1.97±.12; Best double couple: NP1:ϕ_s210.00000°,δ26.00000°,λ0.00000°. NP2:ϕ_s120.00000°,δ90.00000°,λ116.00000°. Principal axes: T 4.2600,Plg40.0000° ,Azm54.0000°; N -0.2000,Plg26.0000°,Azm300.0000°; P -4.0700,Plg39.0000° ,Azm186.0000° $M_0$4.20000×10^{16}

CASC Error ellipse: s-maj=162.9km s-min=80.4km az=-1.0.

(224) Hokkaido region

ISC	**III**	**10 01 41 05.0–.44**	**42.38N–.03**	**143.05E–.04**	**55–3**	**4.5b,3.8s**	**223**	**0-152**
BJI	III	10 01 40 55.1	41.85N	143.73E	33	4.6b,4.4b		¶13435881
NIED	III	10 01 41 00	42.40N	143.10E	56	4.2W,4.4b		
MOS	III	10 01 41 02.7–.94	42.50N	143.03E	46	4.9b,4.4b		
IDC	III	10 01 41 04.8–.64	42.45N	143.05E	52–5	4.0,4.0		
ISCJB	III	10 01 41 04.4–.29	42.36N–.03	143.04E–.05	66–2	4.4b,4.0		
NEIC	III	10 01 41 05.5–.38	42.41N	143.07E	59–3	4.8b,4.2W		
JMA	III	10 01 41 05.9–.10	42.36N	143.11E	49–1	4.1,4.2W		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ71.00000°,λ82.00000°. NP2:ϕ_s226.00000°,δ20.00000°,λ112.00000°. $M_0$2.28000×10^{15}

MOS Error ellipse: s-maj=10.0km s-min=6.3km az=108.1.

IDC Error ellipse: s-maj=15.3km s-min=11.8km az=151.0.

ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.9km az=39.7.

NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=131.0. Recorded [2 JMA] in southern Hokkaido. Moment Tensor Solution. $M_0$2.30000×10^{15}

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s26.00000°,δ70.00000°,λ74.00000°. NP2: ϕ_s245.00000°,δ25.00000°,λ126.00000°. Principal axes: T Plg62.0000°,Azm272.0000° ; N Plg15.0000°,Azm32.0000°; P Plg23.0000°,Azm128.0000°

(221) Kuril Islands

ISC	**III**	**10 07 45 37.1–.29**	**44.59N–.03**	**146.40E–.03**	**163–2**	**4.7b**	**890**	**1-154**
DJA	III	10 07 45 30.5–4.9	45N–16	147E–21	114–47	5.5b,5.2b		¶11789691
MOS	III	10 07 45 35.9–1.3	44.61N	146.40E	176	4.7b,5.2b		
SKHL	III	10 07 45 36.8–.10	44.59N	146.45E	155–11	5.9b,5.5s		
ISCJB	III	10 07 45 36.7–.20	44.62N–.03	146.36E–.02	169–2	4.6b,5.5s		
BJI	III	10 07 45 36.1	44.74N	146.34E	165	5.1b,4.9b		
IDC	III	10 07 45 37.5–.45	44.72N	146.35E	164–3	4.4,4.4		
NEIC	III	10 07 45 37.3–.49	44.70N	146.31E	160–4	4.8b,4.4		
JMA	III	10 07 45 38.0–.30	44.43N	146.49E	164–2	4.5,4.4		
NIED	III	10 07 46 00	44.40N	146.50E	140	4.6W,4.4		

ISC Event type se.

MOS Error ellipse: s-maj=9.6km s-min=9.0km az=99.7.

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.5km az=163.5.

IDC Error ellipse: s-maj=9.0km s-min=5.7km az=147.0.

NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=2.8km az=152.0. Recorded [1 JMA] in eastern Hokkaido.

JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s317.00000°,δ63.00000°,λ130.00000°. NP2:ϕ_s76.00000°,δ47.00000°,λ39.00000°. $M_0$7.95000×10^{15}

(227) Eastern Honshu

ISC	**III**	**10 16 21 36.9–.73**	**37.88N–.04**	**140.83E–.05**	**87–5**	**3.6b**	**46**	**0-147**
ISCJB	III	10 16 21 36.2–.42	37.91N–.03	140.82E–.05	94–3	3.5b		¶15550846
JMA	III	10 16 21 37.4	37.92N	140.81E	85–1	3.6		
IDC	III	10 16 21 38.1–2.2	37.94N	140.77E	96–19	3.6,3.5		

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.8km az=31.9.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s229.00000°,δ63.00000°,λ-115.00000°. NP2:ϕ_s95.00000°,δ36.00000°,λ-50.00000°. Principal axes: T Plg15.0000°,Azm337.0000°; N Plg22.0000°,Azm241.0000°; P Plg63.0000° ,Azm98.0000°

IDC Error ellipse: s-maj=21.3km s-min=18.8km az=132.0.

(162) South Island

WEL	**III**	**10 18 39 11.3–.10**	**42.97S**	**171.45E**	**5**	**3.5L**		
								¶12791130

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=0.0. Felt in the Canterbury region, maximum reported intensity MM 4.

(107) Ecuador

ISC	**III**	**10 21 58 28.7–.44**	**0.91S–.03**	**79.78W–.04**	**86–3**	**4.3b**	**369**	**0-163**
IGQ	III	10 21 58 26.9	0.83S	79.87W	105–141	4.5b,4.3s		¶11792798
IDC	III	10 21 58 28.4–.69	0.86S	79.54W	77–5	4.1,3.9		
NEIC	III	10 21 58 28.0	0.83S	79.83W	94	4.5b,4.4		
ISCJB	III	10 21 58 29.9–.32	0.92S–.03	79.70W–.04	100–3	4.2b,4.4		

ISC Event type fe.

NEIC Event type fe. Felt at Ambato, Guayaquil, Nanegalito and Quito. After IGQ.

ISCJB Event type fe.

(224) Hokkaido region

ISC	**III**	**10 23 26 38.8–1.3**	**41.31N–.03**	**140.03E–.04**	**3–11**	**3.7b**	**20**	**0-61**
ISCJB	III	10 23 26 38.5–.87	41.30N–.03	140.02E–.05	11–6	3.4b		¶12702926
JMA	III	10 23 26 39.0	41.32N	140.03E	9–1	3.3		
IDC	III	10 23 26 41.3–6.0	40.68N	139.18E	0	3.5,3.4b		

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.8km az=168.9.

JMA Event type fe.

IDC Error ellipse: s-maj=217.2km s-min=27.1km az=59.0.

(159) North Island

ISC	**III**	**11 03 49 47.1–.63**	**38.68S–.03**	**176.62E–.03**	**71–4**	**4.6b**	**251**	**0-157**
ISCJB	III	11 03 49 46.3–.26	38.70S–.02	176.64E–.03	77–2	4.6b		¶12702949
WEL	III	11 03 49 47.5–.12	38.63S	176.62E	70–1	5.0L		
NEIC	III	11 03 49 47.6	38.63S	176.61E	69	4.7L,4.5b		
IDC	III	11 03 50 18.4–7.5	38.60S	175.59E	327–63	3.8b,3.8		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=9.6.

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.5km az=90.0. Felt from Waikato to Gisborne, maximum reported intensity MM 4.

NEIC Event type fe. Felt in the central part of the North Island. After WEL.

IDC Error ellipse: s-maj=41.2km s-min=30.4km az=105.0.

(163) Cook Strait

WEL	**III**	**11 09 46 30.7–.09**	**41.69S**	**174.48E**	**54–1**	**4.3L**		
NEIC	III	11 09 46 30.6	41.70S	174.48E	54	4.3L		¶12791147

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.7km az=0.0. Felt from Wellington to Marlborough, maximum reported intensity MM 4.

NEIC Event type fe. Felt [IV] at Wellington and Whitby. After WEL.

(137) San Juan Province

ISC	**III**	**11 13 06 53.3–.27**	**31.92S–.03**	**69.28W–.03**	**29–1**	**5.5b,4.8s**	**1104**	**1-177**
IDC	III	11 13 06 48.9–.38	31.99S	69.28W	0	5.2,5.2b		¶11799078
ISCJB	III	11 13 06 51.5–1.1	31.82S–.02	69.14W–.03	23–7	5.5b,4.8s		
BJI	III	11 13 06 51.8	31.83S	70.05W	28	5.4b,5.3s		
DJA	III	11 13 06 52.8–1.5	32S–13	69W–8.0	17–10	5.4,5.4b		
GUC	III	11 13 06 52.3–.96	31.89S	69.30W	12–12	5.5L,5.4b		
MOS	III	11 13 06 53.3–.97	31.80S	69.22W	33	5.6b,4.8s		
NEIC	III	11 13 06 53.5–.12	31.89S	69.19W	28	5.5b,5.5L		
GCMT	III	11 13 06 56.5–.20	31.98S	69.29W	37–0	5.3W,5.5L		

ISC Event type fe.

IDC Error ellipse: s-maj=12.2km s-min=11.6km az=14.0.

ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.4km az=40.7.

GUC Error ellipse: s-maj=4.4km s-min=12.2km az=-1.0.

MOS Error ellipse: s-maj=12.6km s-min=6.0km az=98.1.

NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=98.0. Felt [VI] at Barreal, [V] at San Juan and [IV] at Mendoza. Also felt at Cordoba, San Luis, San Martin and San Rafael. Felt [III] at Petorca and [II] at Coquimbo, El Tabo, Illapel, La Serena, Los Andes, Ovalle, Rancagua, San Felipe, Santiago and Valparaiso, Chile. Also felt at Vina del Mar. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}0.84 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-1.12 $M_{r\theta}$-0.29 $M_{\theta\phi}$0.49 $M_{\phi r}$-0.05 Best double couple: NP1:ϕ_s318.00000°,δ52.00000°,λ54.00000°. NP2: ϕ_s188.00000°,δ50.00000°,λ127.00000°. Principal axes: T 0.9900,Plg62.0000°,Azm164.0000° ; N 0.2800,Plg27.0000°,Azm341.0000°; P -1.2700,Plg0.0000°,Azm72.0000° $M_0$1.20000×10^{17}

GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s66,c95; s89,c132; Moment tensor: Scale 10^{17}Nm; M_{rr}1.03±.03 $M_{\theta\theta}$0.20±.02; $M_{\phi\phi}$-1.23±.02; $M_{r\theta}$-0.21±.02; $M_{\theta\phi}$0.08±.02; $M_{\phi r}$0.08±.02; Best double couple: NP1:ϕ_s190.00000°,δ44.00000°,λ109.00000°. NP2:ϕ_s344.00000°,δ49.00000°,λ72.00000°. Principal axes: T 1.0800,Plg76.0000° ,Azm186.0000°; N 0.1500,Plg13.0000°,Azm356.0000°; P -1.2400,Plg2.0000°,Azm87.0000° $M_0$1.20000×10^{17}

(78) Costa Rica

ISC	**III**	**11 17 24 37.3–.45**	**8.50N–.03**	**83.22W–.03**	**18–1**	**5.8b,5.6s**	**1582**	**0-176**

SZGRF	III	11 17 24 31.1	7.92N	84.67W	26	6.1b,5.9s		¶14269655
IDC	III	11 17 24 34.4–.36	8.62N	83.28W	0	5.6,5.6s		
ISCJB	III	11 17 24 37.0–.15	8.65N–.03	83.19W–.01	23	5.7b,5.6s		
NEIC	III	11 17 24 36.6–.17	8.50N	83.22W	14	5.9W,5.8b		
CASC	III	11 17 24 37.6–3.2	8.76N	83.09W	0–8	5.8b,5.2		
MOS	III	11 17 24 38.3–.88	8.61N	83.19W	33	6.1b,5.5s		
BGS	III	11 17 24 40.8–2.0	9.61N	82.96W	14	5.6s,5.4b		
GCMT	III	11 17 24 42.9–.10	8.55N	83.18W	19–0	5.9W,5.4b		

ISC Event type fe.
SZGRF Off coast of Costa Rica.
IDC Error ellipse: s-maj=11.3km s-min=8.1km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.6km az=21.4.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.4km az=202.0. Felt [VI] at San Vito; [V] at Golfito, Puerto Jimenez and Rio Claro; [IV] at Alajuela, Almirante, Jaco, Sabanilla, San Antonio and San Isidro. Felt in much of Costa Rica and in western Panama. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s115.00000° ,δ75.00000°,λ90.00000°. NP2:ϕ_s295.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm25.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm205.0000° Moment Tensor Solution. s79 Moment tensor: Scale 10^{17}Nm; M_{rr}4.10 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$-1.89 $M_{r\theta}$2.20 $M_{\theta\phi}$1.00 $M_{\phi r}$-1.62 Best double couple: NP1:ϕ_s311.00000°,δ26.00000°,λ93.00000°. NP2:ϕ_s128.00000°,δ64.00000°,λ89.00000°. Principal axes: T 5.0300,Plg71.0000° ,Azm34.0000°; N -1.0400,Plg1.0000°,Azm128.0000°; P -3.9800,Plg18.0000°,Azm219.0000° M_o4.60000×10^{17}
CASC Error ellipse: s-maj=10.1km s-min=6.1km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=4.0km az=90.3.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=118, comp=263, per= 50. Moment Tensor Solution. s110,c249; s82,c105; Moment tensor: Scale 10^{17}Nm; M_{rr}6.89±.07 $M_{\theta\theta}$-6.36±.06; $M_{\phi\phi}$-0.53±.06; $M_{r\theta}$5.32±.15; $M_{\theta\phi}$3.08±.04; $M_{\phi r}$-2.65±.15; Best double couple: NP1:ϕ_s291.00000°,δ25.00000°,λ86.00000°. NP2:ϕ_s115.00000°,δ65.00000°,λ92.00000°. Principal axes: T 9.0100,Plg70.0000°,Azm30.0000°; N 0.7900,Plg2.0000°,Azm295.0000° ; P -9.8000,Plg20.0000°,Azm204.0000° M_o9.40000×10^{17}

(224) Hokkaido region

ISC	**III**	**11 18 50 46.2–1.4**	**45.35N–.05**	**142.8E–.10**	**10**		**10**	**0-6**
ISCJB	III	11 18 50 46.5–1.3	45.37N–.05	142.8E–.20	10			¶14161210
JMA	III	11 18 50 46.6–.20	45.35N	142.76E	3	3.9		
SKHL	III	11 18 50 47.7–.40	45.20N	142.90E	46–13	4.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.7km s-min=5.1km az=14.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

(246) Southwestern Ryukyu Islands

ISC	**III**	**11 18 59 29.0–.82**	**24.59N–.08**	**125.65E–.06**	**46–7**	**3.7b**	**37**	**0-80**
IDC	III	11 18 59 27.9–7.6	24.46N	125.50E	30–56	3.8,3.7		¶15551186
ISCJB	III	11 18 59 28.2–.64	24.66N–.08	125.62E–.06	53–4	4.1s,3.7b		
JMA	III	11 18 59 28.0	24.55N	125.67E	48–1	4.1,3.7b		

ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=18.7km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=5.0km az=151.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

(78) Costa Rica

ISC	**III**	**11 21 03 59.0–.52**	**8.49N–.03**	**83.25W–.02**	**15–2**	**5.7b,5.6s**	**1600**	**0-176**
IDC	III	11 21 03 56.2–.35	8.66N	83.05W	0	5.5,5.5		¶14260549
BJI	III	11 21 03 57.1	8.50N	83.20W	10	6.2s,5.9b		
ISCJB	III	11 21 03 58.2–.14	8.60N–.02	83.22W–.01	18	5.6s,5.6b		
NEIC	III	11 21 03 59.0–.16	8.49N	83.21W	17	5.8W,5.7b		
CASC	III	11 21 03 59.3–3.5	8.59N	83.18W	4–8	5.7b,4.9L		
MOS	III	11 21 04 00.7–.91	8.67N	83.17W	33	5.9b,5.7s		
GCMT	III	11 21 04 04.0–.10	8.52N	83.22W	22–0	5.9W,5.7s		
SZGRF	III	11 21 04 04.1	8.77N	82.00W	20	6.0s,5.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=8.9km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=1.7km az=22.5.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.5km az=203.0. Felt [IV] at Golfito, Quepos and San Vito; [III] at Cartago, Escazu, Heredia, Palmar, Puerto Cortes, San Francisco, San Jose, and Santa Ana; [II] at Alajuela, Atenas, Jaco, San Pedro, San Rafael and San Ramon. Also felt at Angeles, Asuncion, Buenos Aires, Cahuita, Calle Blancos, Colima, Curridabat, Grecia, Mercedes, Orosi, Palmares, Paraiso, Quesada, San Antonio, San Isidro, Santo Domingo and Turrialba. Felt [III] at Almirante and David; [II] at Bocas del Toro, Boquete and Volcan, Panama. Also felt at Ancon, Cerro Punta, Changuinola, Chiriqui, Panama, Potrerillos Abajo, Potrerillos Arriba, Puerto Armuelles, Rio Hato and San Carlos. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s305.00000°,δ60.00000° ,λ90.00000°. NP2:ϕ_s125.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000° ,Azm215.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm35.0000° Moment Tensor Solution. s90 Moment tensor: Scale 10^{17}Nm; M_{rr}3.93 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$-2.60 $M_{r\theta}$-1.75 $M_{\theta\phi}$1.87 $M_{\phi r}$1.00 Best double couple: NP1:ϕ_s314.00000°,δ58.00000°,λ79.00000°. NP2:ϕ_s155.00000° ,δ33.00000°,λ108.00000°. Principal axes: T 4.4900,Plg73.0000°,Azm193.0000° ; N -0.1300,Plg9.0000°,Azm319.0000°; P -4.3500,Plg12.0000°,Azm51.0000° M_o4.40000×10^{17}
CASC Error ellipse: s-maj=11.9km s-min=4.2km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=92.5.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=239, per= 50. Moment Tensor Solution. s108,c232; s79,c100; Moment tensor: Scale 10^{17}Nm; M_{rr}7.18±.07 $M_{\theta\theta}$-3.81±.06; $M_{\phi\phi}$-3.37±.07; $M_{r\theta}$-2.26±.11; $M_{\theta\phi}$4.24±.05; $M_{\phi r}$-0.91±.12; Best double couple: NP1:ϕ_s150.00000°,δ44.00000°,λ115.00000°. NP2:ϕ_s297.00000°,δ51.00000°,λ68.00000°. Principal axes: T 7.9200,Plg73.0000°,Azm145.0000°; N -0.0200,Plg17.0000°,Azm311.0000° ; P -7.9100,Plg4.0000°,Azm42.0000° M_o7.90000×10^{17}
SZGRF Panama-Costa Rica border region.

(227) Eastern Honshu

ISC	**III**	**11 22 38 52.7–.95**	**36.33N–.05**	**140.03E–.06**	**98–7**	**3.7b**	**26**	**0-56**
IDC	III	11 22 38 37.3–2.0	36.80N	141.25E	0	3.8,3.8		¶12703021
ISCJB	III	11 22 38 52.2–.62	36.38N–.05	139.98E–.06	101–4	3.6b,3.8		
JMA	III	11 22 38 54.0–.10	36.41N	139.93E	87–1	3.4,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=47.5km s-min=22.5km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=6.4km az=37.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s335.00000°,δ57.00000°,λ-72.00000°. NP2: ϕ_s124.00000°,δ37.00000°,λ-115.00000°. Principal axes: T Plg10.0000°,Azm52.0000° ; N Plg15.0000°,Azm145.0000°; P Plg72.0000°,Azm289.0000°

(90) Puerto Rico region

ISC	**III**	**12 02 05 36.1–.24**	**19.08N–.03**	**66.45W–.03**	**28**	**5.0b,4.4s**	**1063**	**1-168**
LDG	III	12 02 05 29.0–.26	19.13N	66.77W	10	5.0b,4.1s		¶11813806
ISCJB	III	12 02 05 34.7–.09	19.12N–.02	66.42W–.01	28	5.0b,4.4s		
IDC	III	12 02 05 34.8–2.9	19.05N	66.41W	19–18	4.9,4.9		
MOS	III	12 02 05 35.4–1.1	19.14N	66.40W	33	5.2b,4.5s		
BJI	III	12 02 05 36.9	19.10N	66.40W	18	5.8b,5.3s		
RSPR	III	12 02 05 38.5	19.07N	66.37W	15–31	5.0,5.3s		
NEIC	III	12 02 05 38.5	19.07N	66.37W	15	5.1b,5.0		
SZGRF	III	12 02 05 40.8	18.99N	65.51W	33	5.2b,4.5s		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=12.2km s-min=5.4km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=32.2.
IDC Error ellipse: s-maj=10.7km s-min=8.7km az=70.0.
MOS Error ellipse: s-maj=5.2km s-min=4.3km az=75.5.
RSPR Event type ke.
NEIC Event type fe. Felt [IV] at Canovanas, Florida, Gurabo, Juncos, Las Piedras, Mayaguez, Morovis, Toa Alta and Vega Alta; [III] at Aguas Buenas, Arecibo, Barceloneta, Bayamon, Caguas, Carolina, Cayey, Dorado, Hatillo, Humacao, Manati, Rio Grande, San Juan and Trujillo Alto; [II] at Cabo Rojo, Guaynabo, Luquillo, Naranjito, Ponce, Toa Baja and Vega Baja. Felt in most of Puerto Rico. After RSPR.
SZGRF Puerto Rico region.

(256) Leyte

MAN	**III**	**12 02 37 56**	**11.05N**	**124.72E**	**1**	**4.2b,3.0L**		¶14716684

MAN Event type fe. INTENSITY II - TONGONAN LEYTE.

(307) Sichuan

ISC	**III**	**12 08 25 39.5–.39**	**32.35N–.02**	**105.08E–.03**	**18–1**	**5.2b,3.8s**	**860**	**2-171**
SZGRF	III	12 08 25 34.3	31.55N	105.22E	33	5.4b,3.8s		¶15850288
ISCJB	III	12 08 25 36.6–.10	32.40N–.02	105.05E–.02	9	5.1b,3.9s		
BJI	III	12 08 25 37.8	32.42N	105.04E	16	4.9L,4.9b		
NEIC	III	12 08 25 38.0–.11	32.39N	105.10E	10	5.3b,4.9b		
MOS	III	12 08 25 39.6–.76	32.37N	105.13E	33	5.4b,4.9b		
IDC	III	12 08 25 40.9–4.2	32.39N	105.16E	29–29	4.8b,4.8		
DJA	III	12 08 25 43.7–1.2	32N–5.0	105E–8.0	49–13	5.5b,5.1		

ISC Event type fe.
SZGRF Sichuan, China.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Chengdu. Also felt at Guangyuan, Mianyang and Qincheng.

(706) Northern Sumatera

ISC	**III**	**12 10 05 09.4–.32**	**4.68N–.04**	**94.99E–.04**	**42–1**	**5.0b,4.3s**	**677**	**1-172**
BJI	III	12 10 05 00.9	4.05N	94.90E	30	5.0b,5.0b		¶15153170
AUST	III	12 10 05 03.2	4.40N	94.46E	15	5.0b,5.0b		
MOS	III	12 10 05 06.7–1.0	4.78N	95.20E	33	5.4b,4.3s		
SZGRF	III	12 10 05 08.9	4.27N	95.20E	51	5.1b,4.3s		
NEIC	III	12 10 05 08.6–.17	4.67N	95.05E	35	5.2b,4.3s		
ISCJB	III	12 10 05 09.2–.64	4.70N–.03	95.12E–.03	55–6	5.0b,4.2s		
IDC	III	12 10 05 10.5–.50	4.81N	95.11E	48–3	4.5,4.5		
DJA	III	12 10 05 10.9–.90	5N–4.0	95E–9.0	44–5	5.6b,5.1		
GCMT	III	12 10 05 11.3–.30	4.43N	95.03E	48–1	5.0W,5.1		

ISC Event type fe.
MOS Error ellipse: s-maj=9.7km s-min=4.7km az=116.0.
SZGRF Northern Sumatera, Indonesia.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.9km az=33.0. Felt at Banda Aceh.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=42.5.
IDC Error ellipse: s-maj=15.2km s-min=8.5km az=40.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s43,c58; s66,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}3.02±.20 $M_{\theta\theta}$-2.47±.14; $M_{\phi\phi}$-0.56±.18; $M_{r\theta}$2.06±.12; $M_{\theta\phi}$1.64±.13; $M_{\phi r}$-1.39±.13; Best double couple: NP1:ϕ_s297.00000°,δ26.00000°,λ85.00000°. NP2:ϕ_s123.00000°,δ64.00000°,λ93.00000°. Principal axes: T 3.8700,Plg71.0000° ,Azm38.0000°; N 0.3800,Plg2.0000°,Azm301.0000°; P -4.2600,Plg19.0000°,Azm211.0000° M_o4.10000×10^{16}

(193) Bougainville - Solomon Islands region

ISC	**III**	**12 15 13 23.8–.40**	**9.84S–.04**	**159.95E–.06**	**33–1**	**5.1b,4.1s**	**428**	**0-165**
IDC	III	12 15 13 18.8–.56	9.81S	159.87E	0	5.0,5.0		¶11876102
ISCJB	III	12 15 13 20.7–1.7	9.79S–.04	159.77E–.03	17–11	5.0b,4.1s		
GCMT	III	12 15 13 22.7–.40	10.23S	160.07E	29–1	5.0W,4.1s		
BJI	III	12 15 13 22.4	9.63S	159.99E	30	5.2b,5.1s		
MOS	III	12 15 13 23.7–1.4	9.66S	159.59E	33	5.3b,5.1s		
NEIC	III	12 15 13 24.2–.22	9.81S	159.82E	35	5.0b,5.1s		
DJA	III	12 15 13 40.5–3.6	10S–9.0	160E–26	160–19	5.5b,4.9		

ISC Event type fe.
ISCJB Event type fe.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s31,c34; s64,c73; Moment tensor: Scale 10^{16}Nm; M_{rr}3.05±.21 $M_{\theta\theta}$-2.09±.15; $M_{\phi\phi}$-0.96±.16; $M_{r\theta}$1.90±.20; $M_{\theta\phi}$1.69±.09; $M_{\phi r}$0.19±.20; Best double couple: NP1:ϕ_s324.00000°,δ36.00000°,λ122.00000°. NP2:ϕ_s107.00000°,δ60.00000°,λ69.00000°. Principal axes: T 3.7900,Plg68.0000° ,Azm335.0000°; N -0.1500,Plg18.0000°,Azm117.0000°; P -3.6300,Plg13.0000° ,Azm211.0000° M_o3.70000×10^{16}
NEIC Event type fe. Felt at Honiara.

(135) Near coast of central Chile

ISC	**III**	**12 21 10 20.0–.78**	**34.73S–.03**	**71.20W–.06**	**87–7**	**3.9b**	**82**	**1-157**
ISCJB	III	12 21 10 19.3–.38	34.75S–.03	71.16W–.07	90–4	3.8b		¶12703113
GUC	III	12 21 10 20.2–.60	34.74S	71.19W	80–4	4.2L		
IDC	III	12 21 10 20.9–2.8	34.82S	70.97W	88–21	3.6b,3.6		
NEIC	III	12 21 10 20.0	34.73S	71.19W	80	4.2,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=3.6km az=21.8.
GUC Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=51.3km s-min=15.4km az=106.0.
NEIC Event type fe. Felt [III] at San Fernando and Santa Cruz; [II] at Curico, Rancagua, Santiago and Talca. After GUC.

(83) South of Panama

ISC	**III**	**12 23 23 34.4–.61**	**5.52N–.03**	**82.72W–.04**	**11–3**	**6.0b,5.9s**	**1653**	**3-173**
BGS	III	12 23 23 21.4–2.3	4.01N	84.82W	10	5.9s,5.5b		¶11876229
IDC	III	12 23 23 30.2–.39	5.51N	82.37W	0	5.8,5.8s		
BJI	III	12 23 23 34.5	5.90N	82.80W	10	6.3s,6.2b		
CASC	III	12 23 23 34.5–3.6	5.59N	82.63W	21–41	6.1b,5.4		
NEIC	III	12 23 23 34.8–.24	5.69N	82.77W	9	6.8,6.2W		
MOS	III	12 23 23 34.9–1.4	5.90N	82.84W	10	6.2b,5.9s		
ISCJB	III	12 23 23 35.3–.16	5.80N–.02	82.61W–.02	10	5.9s,5.8b		
GCMT	III	12 23 23 40.3–.10	5.51N	82.60W	23–0	6.3W,5.8b		
SZGRF	III	12 23 23 45.4	6.22N	81.77W	33	6.0s,5.9b		

ISC Event type fe.
BGS Error ellipse: s-maj=910.5km s-min=745.3km az=-1.0.
IDC Error ellipse: s-maj=17.8km s-min=8.0km az=67.0.
CASC Error ellipse: s-maj=22.9km s-min=9.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=20.0. Felt [III] at Boquete. Also felt at Bocas del Toro, David, Panama, Potrerillos Arriba and Santiago. Felt [II] at San Jose, Costa Rica. Also felt at Alajuela, Cartago, Colon, Escazu, Golfito, Ipis, Quepos, Sabanilla, San Francisco, San Pablo, San Rafael, Santa Ana, Santo Domingo and Turrialba. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s15.00000°,δ80.00000°,λ-175.00000°. NP2:ϕ_s284.00000°,δ85.00000°,λ-10.00000°. Principal axes: T Plg4.0000°,Azm330.0000°; N Plg0.0000°,Azm0.0000°; P Plg11.0000° ,Azm239.0000° Moment Tensor Solution. s109 Moment tensor: Scale 10^{18}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.17 $M_{r\theta}$0.06 $M_{\theta\phi}$2.46 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s89.00000° ,δ78.00000°,λ5.00000°. NP2:ϕ_s358.00000°,δ85.00000°,λ168.00000°. Principal axes: T 2.2700,Plg12.0000°,Azm313.0000°; N 0.4800,Plg76.0000°,Azm154.0000° ; P -2.7600,Plg4.0000°,Azm44.0000° M_o2.50000×10^{18}
MOS Error ellipse: s-maj=6.3km s-min=4.3km az=87.7.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.9km az=22.5.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=123, comp=290, per= 50. Moment Tensor Solution. s108,c250; s99,c173; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13±.02 $M_{\theta\theta}$0.27±.02; $M_{\phi\phi}$-0.14±.02; $M_{r\theta}$0.31±.04; $M_{\theta\phi}$3.43±.02; $M_{\phi r}$0.01±.04; Best double couple: NP1:ϕ_s2.00000°,δ85.00000°,λ180.00000°. NP2:ϕ_s92.00000°,δ90.00000°,λ5.00000°. Principal axes: T 3.5200,Plg4.0000°,Azm317.0000°; N -0.1300,Plg85.0000°,Azm93.0000° ; P -3.3800,Plg4.0000°,Azm227.0000° M_o3.50000×10^{18}
SZGRF South of Panama.

(238) Ryukyu Islands

ISC	**III**	**13 02 02 27.8–1.1**	**27.86N–.08**	**129.3E–.10**	**47–8**	**3.5b**	**28**	**0-77**
ISCJB	III	13 02 02 27.1–.73	27.87N–.08	129.3E–.10	57–4	3.5b		¶12703130
JMA	III	13 02 02 27.7–.10	28.04N	129.10E	49–1	3.9		
IDC	III	13 02 02 28.9–1.9	27.68N	129.45E	75–12	3.5,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=20.4km s-min=4.9km az=38.4.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=37.0km s-min=11.9km az=123.0.

(280) Banda Sea

ISC	**III**	**13 02 03 16.8–.30**	**7.08S–.04**	**129.37E–.04**	**157–2**	**5.3b**	**1027**	**3-161**
BJI	III	13 02 03 12.6	7.35S	129.63E	163	5.2b,5.2b		¶11876232
IDC	III	13 02 03 15.8–.92	7.08S	129.33E	144–7	5.0,5.0b		
GCMT	III	13 02 03 15.9–.20	7.25S	129.43E	140–4	5.2W,5.0b		
MOS	III	13 02 03 15.2–1.0	6.91S	129.38E	147	5.4b,5.0b		
DJA	III	13 02 03 16.6–.20	7S–3.0	130E–2.0	126–5	5.9,5.8b		
NEIC	III	13 02 03 16.2–.65	7.08S	129.34E	151–5	5.3b,5.8b		
ISCJB	III	13 02 03 16.1–.39	7.10S–.03	129.47E–.03	167–3	5.3b,5.8b		

ISC Event type fe.
GCMT Event type se. Data Used: II G IU IC. Moment Tensor Solution. s19,c19; s85,c137; Moment tensor: Scale 10^{16}Nm; M_{rr}3.32±.38 $M_{\theta\theta}$-4.27±.50; $M_{\phi\phi}$0.95±.45; $M_{r\theta}$7.60±.27; $M_{\theta\phi}$-2.95±.44; $M_{\phi r}$1.05±.26; Best double couple: NP1:ϕ_s217.00000°,δ19.00000°,λ46.00000°. NP2:ϕ_s83.00000°,δ76.00000°,λ104.00000°. Principal axes: T 8.0900,Plg57.0000° ,Azm10.0000°; N 1.7600,Plg13.0000°,Azm259.0000°; P -9.8400,Plg30.0000°,Azm162.0000° M_o9.00000×10^{16}
NEIC Event type fe. Felt [II] at Darwin, Australia.
ISCJB Event type fe.

(173) Tonga Islands

ISC	**III**	**13 03 26 35.0–.59**	**21.25S–.08**	**175.33W–.08**	**64–4**	**4.5b**	**436**	**7-171**
IDC	III	13 03 26 26.1–.44	21.13S	175.39W	0	4.6,4.5		¶11876236
ISCJB	III	13 03 26 32.9–.20	21.25S–.06	175.50W–.06	58	4.6b,4.5s		
SZGRF	III	13 03 26 34.4	21.23S	175.96W	53	4.6b,4.5s		

NEIC III 13 03 26 37.2–2.5 21.21S 175.53W 84–22 4.6b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=19.6km s-min=13.5km az=143.0.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.6km az=145.6.
SZGRF Tonga Islands.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=6.1km az=149.0. Felt at Nuku'alofa.

(244) Taiwan

ISC	**III**	**13 09 29 32.1–.94**	**23.98N–.01**	**121.63E–.02**	**15–7**	**3.8b**	**137**	**0-83**
NEIC	III	13 09 29 30.6–1.9	23.92N	121.79E	10	4.4L		**¶11888784**
ISCJB	III	13 09 29 33.7–.22	24.01N–.01	121.61E–.02	20–2	3.7b		
TAP	III	13 09 29 33.6	24.04N	121.52E	18–0	4.2L		
JMA	III	13 09 29 33.3–.30	24.17N	121.48E	79	3.3		
IDC	III	13 09 29 36.2–4.7	24.02N	121.74E	52–44	3.7,3.7L		

ISC Event type se.
NEIC Event type fe. Error ellipse: s-maj=25.1km s-min=7.4km az=98.0. Recorded [4 TAP] in Hua-lien; [2 TAP] in I-lan and Nan-t'ou; [1 TAP] in T'ai-chung.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.7km az=35.1.
TAP B.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=35.2km s-min=15.9km az=71.0.

(160) Off east coast of North Island

ISC	**III**	**13 10 17 53.1–1.2**	**39.07S–.03**	**178.39E–.05**	**29–7**	**4.2b,3.8s**	**194**	**0-154**
IDC	III	13 10 17 49.5–1.1	39.10S	178.24E	0	4.4,4.2		**¶12703157**
ISCJB	III	13 10 17 50.8–.73	39.15S–.03	178.56E–.07	42–8	4.0b,3.8s		
NEIC	III	13 10 17 53.7	39.07S	178.40E	31	4.3L,3.8s		
WEL	III	13 10 17 54.1–.17	39.03S	178.35E	33–15	4.3L,3.8s		

ISC Event type fe.
IDC Error ellipse: s-maj=50.2km s-min=27.3km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.0km az=13.4.
NEIC Event type fe. Felt [IV] in the Gisborne area. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.9km s-min=0.8km az=90.0. Felt from Gisborne to Hawke''s Bay, maximum reported intensity MM 4.

(135) Near coast of central Chile

ISC	**III**	**13 10 44 41.6–.86**	**32.54S–.02**	**71.62W–.04**	**31–6**	**4.5b,3.8s**	**104**	**0-156**
IDC	III	13 10 44 36.6–1.1	32.62S	71.58W	0	4.5L,4.5		**¶12703159**
ISCJB	III	13 10 44 41.2–.57	32.55S–.03	71.72W–.07	44–5	4.3b,3.7s		
GUC	III	13 10 44 41.8–.67	32.55S	71.63W	25–7	4.5,4.4L		
NEIC	III	13 10 44 41.8	32.55S	71.63W	25	4.5b,4.4L		

ISC Event type fe.
IDC Error ellipse: s-maj=33.5km s-min=22.3km az=27.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=4.2km az=169.2.
GUC Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
NEIC Event type fe. Felt [III] at Zapallar and [II] at La Ligua, Valparaiso and Vina del Mar. After GUC.

(230) Near south coast of eastern Honshu

ISC	**III**	**13 12 21 54.3–.45**	**35.20N–.05**	**139.84E–.04**	**94–3**	**4.1b**	**92**	**0-125**
NIED	III	13 12 21 00	35.20N	139.80E	77	3.9W		**¶11882787**
BJI	III	13 12 21 49.9	35.21N	140.21E	93	4.8b,4.6b		
ISCJB	III	13 12 21 52.9–.28	35.15N–.03	139.85E–.04	95–2	4.1b,4.6b		
JMA	III	13 12 21 53.6–.20	35.16N	139.81E	88–2	3.9,4.6b		
NEIC	III	13 12 21 53.6–1.6	35.16N	139.90E	93–13	4.6b,3.9W		
IDC	III	13 12 21 55.5–1.1	35.07N	139.81E	101–10	3.7,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ68.00000°,λ107.00000°. NP2:ϕ_s0.00000°,δ28.00000°,λ55.00000°. $M_0$8.48000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.5km az=135.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s222.00000°,δ73.00000°,λ111.00000°. NP2: ϕ_s350.00000°,δ27.00000°,λ41.00000°. Principal axes: T Plg57.0000°,Azm160.0000° ; N Plg20.0000°,Azm36.0000°; P Plg25.0000°,Azm296.0000°
NEIC Event type fe. Error ellipse: s-maj=18.8km s-min=15.6km az=192.0. Felt [III] at Yokosuka. Also felt at Tachikawa, Tokyo, Yokohama and Zushi. Moment Tensor Solution. $M_0$8.50000×10^{14}
IDC Error ellipse: s-maj=19.1km s-min=8.6km az=72.0.

(212) Bonin Islands region

ISC	**III**	**13 14 05 13.6–.59**	**26.46N–.07**	**141.54E–.09**	**89**	**3.9b**	**34**	**1-85**
NIED	III	13 14 05 00	26.40N	141.30E	50	4.1W		**¶12703174**
ISCJB	III	13 14 05 12.0–.40	26.40N–.05	141.55E–.06	89	3.7b		
IDC	III	13 14 05 12.4–1.4	26.39N	141.46E	75–12	3.7,3.5		
JMA	III	13 14 05 13.4–.20	26.43N	141.33E	31	4.5,3.5		
NEIC	III	13 14 05 13.4	26.43N	141.33E	31	4.5,3.5		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ84.00000°,λ-76.00000°. NP2:ϕ_s157.00000°,δ15.00000°,λ-156.00000°. $M_0$1.70000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=6.2km az=22.3.
IDC Error ellipse: s-maj=31.8km s-min=14.2km az=103.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
NEIC Event type fe. Recorded [1 JMA] in the Hahajima-retto. After JMA.

(78) Costa Rica

ISC	**III**	**13 16 54 31.1–.65**	**8.55N–.04**	**83.14W–.03**	**17–3**	**4.9b,4.1s**	**591**	**0-153**
IDC	III	13 16 54 28.5–.47	8.60N	83.12W	0	4.7,4.7		**¶11882794**
ISCJB	III	13 16 54 28.7–.22	8.60N–.04	83.07W–.03	10	4.8b,4.2s		
NEIC	III	13 16 54 31.3–.78	8.55N	83.12W	19–4	5.0b,4.5		
CASC	III	13 16 54 31.1–3.4	8.62N	83.13W	1–6	5.0b,4.5		
BJI	III	13 16 54 31.3	8.70N	83.20W	13	5.2s,5.2b		
MOS	III	13 16 54 32.2–.95	8.66N	83.05W	33	5.2b,5.2b		
GCMT	III	13 16 54 37.5–.30	8.62N	83.04W	24–1	4.9W,5.2b		
SZGRF	III	13 16 54 40.8	10.13N	82.77W	33	4.9b,4.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=20.7km s-min=10.8km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=2.9km az=29.9.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.8km az=223.0. Felt at Golfito and San Vito.
CASC Error ellipse: s-maj=8.0km s-min=3.4km az=-1.0.
MOS Error ellipse: s-maj=9.3km s-min=6.0km az=101.7.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s30,c34; s66,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}2.41±.19 $M_{\theta\theta}$-2.46±.12; $M_{\phi\phi}$0.05±.14; $M_{r\theta}$0.33±.13; $M_{\theta\phi}$1.14±.08; $M_{\phi r}$0.52±.20; Best double couple: NP1:ϕ_s307.00000°,δ46.00000°,λ113.00000°. NP2:ϕ_s96.00000°,δ48.00000°,λ68.00000°. Principal axes: T 2.5900,Plg74.0000° ,Azm295.0000°; N 0.3200,Plg16.0000°,Azm111.0000°; P -2.9000,Plg1.0000°,Azm201.0000° $M_0$2.70000×10^{16}
SZGRF North of Panama.

(78) Costa Rica

ISC	**III**	**13 17 33 11.7–.34**	**8.58N–.04**	**83.19W–.03**	**21–3**	**5.0b,4.6s**	**637**	**0-155**
SZGRF	III	13 17 33 07.7	9.04N	85.70W	33	5.1b,5.0s		**¶11882795**
BJI	III	13 17 33 08.2	8.50N	83.30W	10	5.6b,5.5s		
IDC	III	13 17 33 08.4–.39	8.58N	83.16W	0	4.8,4.8		
CASC	III	13 17 33 11.4–2.5	8.53N	83.20W	8–8	5.1b,4.6		
NEIC	III	13 17 33 12.6–.68	8.58N	83.17W	29–4	5.1b,4.5		
MOS	III	13 17 33 12.1–1.0	8.63N	83.13W	33	5.3b,4.5		
ISCJB	III	13 17 33 13.0–.39	8.62N–.03	83.14W–.02	42–3	4.9b,4.6s		
GCMT	III	13 17 33 16.0–.30	8.58N	83.20W	26–0	5.1W,4.6s		

ISC Event type fe.
SZGRF Off coast of Costa Rica.
IDC Error ellipse: s-maj=17.6km s-min=9.7km az=61.0.
CASC Error ellipse: s-maj=11.8km s-min=4.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.5km az=49.0. Felt [IV] at San Vito and [II] at San Jose. Also felt at Canoas, Golfito, Grecia, Llorente, Quepos and Santa Ana. Felt at Boquete and Puerto Armuelles, Panama.
MOS Error ellipse: s-maj=8.2km s-min=5.5km az=93.2.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.9km az=23.0.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s50,c64; s77,c108; Moment tensor: Scale 10^{16}Nm; M_{rr}3.35±.16 $M_{\theta\theta}$-0.68±.11; $M_{\phi\phi}$-2.66±.15; $M_{r\theta}$-3.28±.25; $M_{\theta\phi}$2.33±.09; $M_{\phi r}$1.20±.24; Best double couple: NP1:ϕ_s171.00000°,δ32.00000°,λ134.00000°. NP2:ϕ_s303.00000°,δ68.00000°,λ67.00000°. Principal axes: T 5.1900,Plg61.0000° ,Azm178.0000°; N 0.0300,Plg21.0000°,Azm312.0000°; P -5.2100,Plg20.0000°,Azm50.0000° $M_0$5.20000×10^{16}

(460) Wyoming

ISC	**III**	**13 19 09 45.6–.64**	**43.60N–.02**	**105.23W–.02**	**0**		**146**	**0-62**
IDC	III	13 19 09 44.2–1.4	43.57N	105.23W	0	3.9b,3.6		**¶12703194**
ISCJB	III	13 19 09 45.6–.19	43.59N–.01	105.26W–.02	0	4.5b,3.6		
NEIC	III	13 19 09 45.7–.53	43.62N	105.14W	0	3.0L,3.6		

ISC Event type sm.
IDC Error ellipse: s-maj=31.3km s-min=8.9km az=150.0.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=1.9km az=156.5.
NEIC Event type fm. Error ellipse: s-maj=7.0km s-min=6.7km az=113.0. 80 km [50 miles] WSW of Newcastle. Suspected Mining explosion.

(460) Wyoming

ISC	**III**	**13 20 17 07.5–.67**	**44.44N–.02**	**105.48W–.02**	**0**		**90**	**0-19**
IDC	III	13 20 17 06.5–1.7	44.54N	105.68W	0	3.3,3.1		**¶12703196**
ISCJB	III	13 20 17 08.0–.23	44.41N–.01	105.47W–.02	0	3.3,3.1		
NEIC	III	13 20 17 07.2–.51	44.55N	105.34W	0	2.9L,3.1		

ISC Event type sm.
IDC Error ellipse: s-maj=65.0km s-min=9.5km az=143.0.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=1.9km az=6.3.
NEIC Event type fm. Error ellipse: s-maj=8.2km s-min=5.5km az=200.0. 30 km [20 miles] NNE of Gillette. Suspected Mining explosion.

(73) El Salvador

ISC	**III**	**14 01 01 02.0–.60**	**13.78N–.06**	**89.95W–.04**	**127–4**	**4.4b**	**247**	**0-146**
ISCJB	III	14 01 01 01.6–.33	13.79N–.05	89.92W–.04	132–1	4.2b		**¶11882874**
NEIC	III	14 01 01 03.0–1.4	13.76N	89.92W	132–15	4.5b		
CASC	III	14 01 01 03.7–1.2	13.76N	89.92W	108–5	4.5b,4.4L		
IDC	III	14 01 01 03.8–.99	14.14N	89.65W	127–7	3.9,3.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=3.7km az=30.8.
NEIC Event type fe. Error ellipse: s-maj=21.4km s-min=8.0km az=69.0. Felt at Ahuachapan and Santa Ana. Also felt at Antigua Guatemala, Guatemala.
CASC Error ellipse: s-maj=5.1km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=24.9km s-min=14.9km az=59.0.

(173) Tonga Islands

ISC	**III**	**14 03 04 12.6–.33**	**20.05S–.06**	**175.30W–.05**	**162–2**	**4.8b**	**827**	**5-173**
MOS	III	14 03 04 02.5–1.1	19.92S	175.36W	79	5.4b		**¶15153191**
AUST	III	14 03 04 03.5	20.18S	174.56W	100	5.4b		
ISCJB	III	14 03 04 06.5–1.5	19.97S–.05	175.40W–.03	113–13	4.9b		
IDC	III	14 03 04 06.8–.46	20.00S	175.30W	108–3	4.7,4.6		
BJI	III	14 03 04 11.2	20.22S	174.95W	172	5.2b,5.0b		
NEIC	III	14 03 04 12.3–.13	20.03S	175.38W	158	4.8b,5.0b		
SZGRF	III	14 03 04 14.3	19.75S	175.57W	161	4.8b,5.0b		
GCMT	III	14 03 04 15.2–.20	20.03S	174.78W	174–2	5.2W,5.0b		
DJA	III	14 03 04 37.0–1.1	20S–36	177W–16	319–23	6.9,6.9b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at 'Ohonua.
SZGRF Tonga Islands.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c70; s90,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.19±.21 $M_{\theta\theta}$5.20±.22; $M_{\phi\phi}$-5.01±.21; $M_{r\theta}$2.84±.19; $M_{\theta\phi}$-1.05±.22; $M_{\phi r}$4.97±.16; Best double couple: NP1:ϕ_s135.00000°,δ45.00000°,λ-5.00000°. NP2:ϕ_s228.00000°,δ86.00000°,λ-135.00000°. Principal axes: T 6.5400,Plg27.0000° ,Azm352.0000°; N 2.0100,Plg45.0000°,Azm232.0000°; P -8.5500,Plg33.0000° ,Azm102.0000° $M_0$7.50000×10^{16}

(456) Montana

ISC	**III**	**14 03 58 38.6–.77**	**45.75N–.01**	**112.13W–.01**	**0–7**		**195**	**0-17**
IDC	III	14 03 58 39.3–1.1	45.82N	112.19W	0	3.5,3.3L		**¶12053775**
NEIC	III	14 03 58 39.0	45.70N	112.12W	11	3.2L,3.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=18.5km s-min=8.6km az=56.0.
NEIC Event type fe. Felt at Whitehall. After BUT.

(122) Near coast of northern Chile

ISC	**III**	**14 05 41 00.7–.56**	**18.30S–.05**	**71.17W–.06**	**33–3**	**4.9b,4.0s**	**538**	**2-172**
ISCJB	III	14 05 41 00.1–.30	17.99S–.06	71.06W–.04	31	4.8b,4.2s		**¶11882880**
MOS	III	14 05 41 00.6–1.1	17.92S	71.02W	33	5.2b,4.2s		
BJI	III	14 05 41 01.9	17.98S	71.25W	36	5.4s,5.3b		
IDC	III	14 05 41 01.1–.77	18.11S	70.95W	30–4	4.5,4.4b		
NEIC	III	14 05 41 03.1–.73	18.05S	70.99W	43–6	4.9b,4.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.9km az=26.3.
MOS Error ellipse: s-maj=12.5km s-min=7.1km az=106.0.
IDC Error ellipse: s-maj=23.6km s-min=13.4km az=37.0.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=4.5km az=221.0. Felt at Arica. Felt [II] at Vila Vila, Peru. Also felt at Ilo, Moquegua and Tacna.

(244) Taiwan

ISC	**III**	**14 07 01 44.6–.76**	**24.34N–.02**	**121.77E–.03**	**33–3**	**3.7b,3.6s**	**146**	**0-83**
NIED	III	14 07 01 00	24.60N	121.80E	38	4.2W,3.6s		**¶11888785**
IDC	III	14 07 01 39.5–.84	24.38N	121.74E	0	3.9,3.9L		
NEIC	III	14 07 01 41.6–.61	24.32N	121.95E	10	4.7L,3.9L		
ISCJB	III	14 07 01 45.3–.30	24.36N–.01	121.78E–.02	27–2	3.6b,3.6s		
TAP	III	14 07 01 45.4	24.38N	121.70E	30–0	4.5L,3.6s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ75.00000°,λ48.00000°. NP2:ϕ_s275.00000°,δ44.00000°,λ158.00000°. $M_0$1.90000×10^{15}
IDC Error ellipse: s-maj=24.7km s-min=17.6km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=10.7km s-min=8.2km az=123.0. Recorded [3 TAP] in I-lan; [2 TAP] in Hua-lien, Nan-t'ou, T'ai-chung and T'ao-yuan; [1 TAP] in Hsin-chu and T'ai-pei.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.2km az=15.5.
TAP B.

(166) Auckland Islands region

ISC	**III**	**14 10 50 50.4–.53**	**49.20S–.05**	**164.68E–.06**	**27–3**	**5.1b,4.5s**	**247**	**3-162**
ISCJB	III	14 10 50 45.0–1.6	49.21S–.05	164.76E–.06	1–10	5.0b,4.5s		**¶15153188**
IDC	III	14 10 50 46.1–.59	49.32S	164.53E	0	5.1,5.0		
AUST	III	14 10 50 49.3–1.2	49.25S	164.74E	23–0	5.1,5.0		
BJI	III	14 10 50 49.7	49.60S	163.84E	25	5.5b,5.4b		
NEIC	III	14 10 50 50.0–.31	49.19S	164.74E	26	5.0b,5.4b		
MOS	III	14 10 50 50.1–1.1	49.21S	164.45E	33	5.4b,5.4b		
DJA	III	14 10 50 55.6–.80	49S–11	164E–23	10	5.6b,5.1		
GCMT	III	14 10 50 55.0–.30	49.08S	164.32E	38–1	5.1W,5.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.4km az=146.7.
IDC Error ellipse: s-maj=24.6km s-min=17.3km az=58.0.
AUST Error ellipse: s-maj=1.4km s-min=0.7km az=331.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.2km az=135.0. Felt at Mosgiel and Owaka.
MOS Error ellipse: s-maj=19.3km s-min=9.5km az=101.3.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s44,c54; s75,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}3.06±.24 $M_{\theta\theta}$2.23±.17; $M_{\phi\phi}$-5.29±.15; $M_{r\theta}$3.14±.20; $M_{\theta\phi}$0.64±.14; $M_{\phi r}$-0.49±.15; Best double couple: NP1:ϕ_s28.00000°,δ53.00000°,λ145.00000°. NP2:ϕ_s141.00000°,δ63.00000°,λ43.00000°. Principal axes: T 5.8100,Plg49.0000° ,Azm360.0000°; N -0.3900,Plg41.0000°,Azm168.0000°; P -5.4200,Plg6.0000° ,Azm263.0000° $M_0$5.60000×10^{16}

(710) Pakistan

ISC	**III**	**14 13 26 21.5–.50**	**29.97N–.04**	**68.46E–.03**	**24–3**	**4.8b,4.0s**	**473**	**4-145**
IDC	III	14 13 26 17.6–.39	30.03N	68.43E	0	4.8L,4.7		**¶13436278**
ISCJB	III	14 13 26 18.7–.17	29.94N–.03	68.48E–.02	22	4.8b,3.9s		
TEH	III	14 13 26 20.0	30.15N	68.49E	10	4.9L,3.9s		
BJI	III	14 13 26 20.0	30.24N	68.21E	30	5.1b,4.9b		
DJA	III	14 13 26 21.8–.40	30N–7.0	69E–7.0	10	5.3b,5.2b		
MOS	III	14 13 26 21.3–1.3	30.12N	68.52E	33	5.0b,5.2b		
NEIC	III	14 13 26 23.0–1.0	30.15N	68.47E	36–9	5.0b,5.2b		
NNC	III	14 13 26 25.1–3.0	30.76N	68.64E	0	4.5b,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=11.6km s-min=10.0km az=9.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.4km az=3.2.
MOS Error ellipse: s-maj=6.1km s-min=4.0km az=114.4.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=3.9km az=191.0. Felt at Loralai, Quetta and Ziaret.
NNC Error ellipse: s-maj=39.0km s-min=36.1km az=151.0.

(160) Off east coast of North Island

ISC	**III**	**14 17 38 59.3–.37**	**36.90S–.04**	**177.56E–.04**	**189–2**	**4.8b**	**531**	**1-177**
DJA	III	14 17 38 40.4–1.2	36S–17	178E–22	10	5.7b,5.3		**¶15153194**
MOS	III	14 17 38 50.4–1.6	36.55S	177.72E	117	5.2b,5.3		
AUST	III	14 17 38 53.2–.76	36.85S	177.76E	126–0	5.2b,5.3		
GCMT	III	14 17 38 58.7–.40	36.80S	177.85E	185–3	5.0W,5.3		
BJI	III	14 17 38 58.6	37.51S	176.35E	176	5.4b,5.0b		
ISCJB	III	14 17 38 59.9–.27	37.06S–.03	177.40E–.04	200–2	4.8b,5.0b		

NEIC III 14 17 38 59.5–.36 37.02S 177.56E 201–3 5.0b,5.0b
WEL III 14 17 39 00.6–.19 36.84S 177.56E 174–1 5.4L,5.0b
IDC III 14 17 39 02.8–1.3 36.57S 177.67E 219–10 4.6,4.5b
ISC Event type fe.
MOS Error ellipse: s-maj=13.8km s-min=11.1km az=115.7.
AUST Error ellipse: s-maj=1.6km s-min=1.1km az=275.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s19,c22; s61,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}1.56±.21 $M_{\theta\theta}$-1.33±.27; $M_{\phi\phi}$-0.23±.25; $M_{r\theta}$2.16±.19; $M_{\theta\phi}$-0.33±.22; $M_{\phi r}$3.79±.16; Best double couple: NP1:ϕ_s260.00000°,δ11.00000°,λ137.00000°. NP2:ϕ_s33.00000°,δ82.00000°,λ82.00000°. Principal axes: T 4.9300,Plg52.0000° ,Azm293.0000°; N -0.7300,Plg8.0000°,Azm34.0000°; P -4.2000,Plg37.0000°,Azm130.0000° M_o4.60000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=5.0km az=145.4.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=5.8km az=70.0. Felt at Opotiki.
WEL Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=0.0. Felt from Bay of Plenty to Hawke"s Bay, maximum reported intensity MM 4.
IDC Error ellipse: s-maj=13.2km s-min=8.9km az=41.0.

(460) Wyoming

ISC	**III**	**14 18 05 13.7–.55**	**43.77N–.02**	**105.30W–.02**	**0**	**3.9b**	**122**	**0-93**
ISCJB	III	14 18 05 13.0–.23	43.77N–.02	105.30W–.03	0	3.9b,3.8s		¶12703282
IDC	III	14 18 05 13.7–.88	43.75N	105.42W	0	3.9b,3.8		
NEIC	III	14 18 05 13.9–.28	43.82N	105.21W	0	3.4L,3.8		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.8km s-min=2.3km az=150.3.
IDC Error ellipse: s-maj=18.3km s-min=7.3km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=3.8km s-min=3.3km az=117.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(248) Philippine Islands region

ISC	**III**	**15 07 54 20.1–.43**	**10.00N–.03**	**125.95E–.05**	**100–3**	**4.8b**	**318**	**1-146**
MOS	III	15 07 54 10.8–1.1	10.05N	125.89E	33	5.2b		¶12791196
MAN	III	15 07 54 14	10.02N	126.13E	53	5.4b,4.7s		
IDC	III	15 07 54 15.1–1.8	10.03N	125.94E	56–15	4.4,4.4		
ISCJB	III	15 07 54 16.3–.43	10.07N–.02	126.04E–.04	82–3	4.7b,4.4		
BJI	III	15 07 54 18.5	9.96N	126.01E	113	5.0b,4.8b		
NEIC	III	15 07 54 20.7–.77	10.00N	125.93E	108–7	4.7b,4.8b		
DJA	III	15 07 54 36.7–3.2	9N–25	125E–21	48–34	5.0b,4.7b		
AUST	III	15 07 54 53.1–2.9	9.40N	125.66E	444–0	5.0b,4.7b		

ISC Event type fe.
MOS Error ellipse: s-maj=12.8km s-min=5.7km az=115.1.
MAN Event type fe. INTENSITY IV - SOCORRO SURIGAO DEL NORTE; INTENSITY III - SURIGAO CITY; DAPA SURIGAO DEL NORTE; INTENSITY III - DINAGAT PROINCE.
IDC Error ellipse: s-maj=18.7km s-min=10.0km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.5km az=167.5.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.8km az=82.0. Felt [IV PIVS] at Socorro; [III PIVS] at Dapa and Surigao; [II PIVS] in Dinagat.
AUST Error ellipse: s-maj=2.1km s-min=1.0km az=251.0.

(116) Central Peru

ISC	**III**	**15 08 19 08.0–.21**	**14.54S–.03**	**70.41W–.04**	**212–1**	**5.1b**	**1407**	**2-176**
MOS	III	15 08 19 00.9–1.0	14.16S	70.30W	150	5.2b		¶14260571
ISCJB	III	15 08 19 03.2–.53	14.45S–.03	70.39W–.03	179–5	5.1b		
NEIC	III	15 08 19 05.7–.48	14.45S	70.37W	190–4	5.6W,5.6W		
LDG	III	15 08 19 06.0–.80	14.81S	70.05W	206	4.6b,4.3s		
IDC	III	15 08 19 07.6–.33	14.46S	70.37W	205–2	4.8,4.8		
BJI	III	15 08 19 08.7	14.85S	70.64W	217	5.3b,4.8		
GCMT	III	15 08 19 10.7–.10	14.60S	70.63W	211–0	5.7W,4.8		

ISC Event type fe.
MOS Error ellipse: s-maj=8.8km s-min=5.6km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=2.9km az=142.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=55.0. Felt [II] at Arequipa. Also felt at Ayaviri and Juliaca. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.13 $M_{\theta\theta}$1.48 $M_{\phi\phi}$-0.35 $M_{r\theta}$1.36 $M_{\theta\phi}$-2.15 $M_{\phi r}$1.77 Best double couple: NP1:ϕ_s160.00000° ,δ60.00000°,λ-29.00000°. NP2:ϕ_s266.00000°,δ65.00000°,λ-146.00000°. Principal axes: T 2.9100,Plg3.0000°,Azm32.0000°; N 0.7900,Plg48.0000°,Azm298.0000° ; P -3.7000,Plg40.0000°,Azm124.0000° M_o3.40000×10^{17}
LDG Event type ke. Error ellipse: s-maj=56.6km s-min=14.0km az=73.0.
IDC Error ellipse: s-maj=8.8km s-min=5.9km az=56.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=118, comp=242, per= 50. Moment Tensor Solution. s100,c174; s59,c64; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.27±.04 $M_{\theta\theta}$1.39±.04; $M_{\phi\phi}$-0.12±.05; $M_{r\theta}$1.67±.03; $M_{\theta\phi}$-3.33±.04; $M_{\phi r}$1.69±.04; Best double couple: NP1:ϕ_s167.00000°,δ63.00000°,λ-25.00000°. NP2:ϕ_s270.00000°,δ68.00000°,λ-150.00000°. Principal axes: T 4.0700,Plg3.0000°,Azm38.0000°; N 0.4500,Plg54.0000°,Azm303.0000° ; P -4.5100,Plg36.0000°,Azm130.0000° M_o4.30000×10^{17}

(141) Cordoba Province

ISC	**III**	**15 13 50 38.4–.23**	**31.01S–.04**	**65.44W–.04**	**180–1**	**5.0b**	**1191**	**2-176**
MOS	III	15 13 50 35.8–1.0	30.90S	65.48W	160	5.0b		¶11883156
ISCJB	III	15 13 50 36.0–.47	30.94S–.03	65.39W–.04	165–4	5.0b		
LDG	III	15 13 50 36.2–.72	30.71S	66.20W	178	4.9b,3.6s		
BJI	III	15 13 50 37.7	30.99S	66.08W	181	5.4b,3.6s		
GUC	III	15 13 50 38.1–.66	31.12S	65.56W	179	7.3L,3.6s		
IDC	III	15 13 50 38.6–.27	30.98S	65.46W	180–2	4.7,4.7		
NEIC	III	15 13 50 38.5–.11	30.99S	65.40W	179	5.1b,4.7		
GCMT	III	15 13 50 41.8–.20	31.22S	65.51W	199–1	5.2W,4.7		
DJA	III	15 13 51 09.9–9.4	32S–44	65W–31	447–86	5.4b,5.1		

ISC Event type fe.
ISCJB Event type fe.
LDG Event type ke.
NEIC Event type fe. Felt [III] at San Juan. Also felt at Cordoba and Mendoza.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s48,c63; s88,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.93±.15 $M_{\theta\theta}$2.89±.20; $M_{\phi\phi}$3.04±.23; $M_{r\theta}$2.06±.15; $M_{\theta\phi}$-3.83±.20; $M_{\phi r}$-0.18±.18; Best double couple: NP1:ϕ_s149.00000°,δ40.00000°,λ-69.00000°. NP2:ϕ_s303.00000°,δ53.00000°,λ-107.00000°. Principal axes: T 6.9900,Plg7.0000° ,Azm44.0000°; N -0.5500,Plg13.0000°,Azm313.0000°; P -6.4400,Plg75.0000° ,Azm162.0000° M_o6.70000×10^{16}

(243) Taiwan region

ISC	**III**	**16 00 51 42.5–.65**	**24.78N–.02**	**122.40E–.02**	**17–4**	**4.4b,3.8s**	**187**	**0-95**
NIED	III	16 00 51 00	24.90N	122.50E	38	4.3W,3.8s		¶15153212
ISCJB	III	16 00 51 41.3–.38	24.87N–.02	122.48E–.02	15–3	4.3b,3.7s		
BJI	III	16 00 51 41.9	24.80N	122.20E	16	4.4L,4.3b		
TAP	III	16 00 51 41.8	24.83N	122.41E	16–0	4.7L,4.3b		
NEIC	III	16 00 51 42.3	24.79N	122.30E	10	4.9L,4.5b		
JMA	III	16 00 51 42.6–.20	24.87N	122.49E	29	4.6,4.5b		
IDC	III	16 00 51 48.0–3.0	24.82N	122.41E	61–28	4.0,4.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ89.00000°,λ168.00000°. NP2:ϕ_s147.00000°,δ78.00000°,λ1.00000°. M_o3.15000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.6km az=176.7.
TAP C.
NEIC Event type fe. Recorded [3 TAP] in I-lan, [2 TAP] in Hua-lien and [1 TAP] in T'ai-pei. After TAP.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=18.1km s-min=11.7km az=65.0.

(224) Hokkaido region

JMA	**III**	**16 03 46 53.0–.10**	**43.29N**	**145.74E**	**58–1**	**3.7**		
NIED	III	16 03 46 00	43.30N	145.70E	50	3.6W		¶14162663

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s74.00000°,δ66.00000°,λ-126.00000°. NP2:ϕ_s314.00000°,δ42.00000°,λ-38.00000°. M_o3.21000×10^{14}

(263) Talaud Islands

ISC	**III**	**16 14 15 56.3–.26**	**3.73N–.03**	**126.62E–.03**	**34–0**	**6.1b,6.0s**	**1588**	**1-169**
BJI	III	16 14 15 47.8	3.00N	126.89E	35	6.2s,6.2b		¶15153215
IDC	III	16 14 15 50.8–.33	3.79N	126.64E	0	5.9s,5.9		
MOS	III	16 14 15 53.6–1.2	3.66N	126.69E	33	6.3b,5.9s		
ISCJB	III	16 14 15 53.6–.10	3.76N–.02	126.80E–.02	30	6.1b,6.0s		
NEIC	III	16 14 15 56.5–.15	3.81N	126.55E	35	6.5,6.3W		
AUST	III	16 14 15 56.4–.51	3.63N	126.89E	33–0	6.5,6.3W		
TEH	III	16 14 15 57.0	3.82N	126.53E	35	6.0L,6.3W		
DJA	III	16 14 15 59.3–.30	4N–2.0	127E–2.0	61–3	6.5,6.5b		
GCMT	III	16 14 16 04.0–.10	3.77N	126.68E	20–0	6.3W,6.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=9.7km az=76.0.
MOS Error ellipse: s-maj=8.4km s-min=4.4km az=116.8.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=177.9.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=5.1km az=70.0. Felt [V] at Melonguanne and in the Kepulauan Talaud; [III] at Marore and Tahuna. Also felt at Manado. Felt [II PIVS] at Davao, Philippines. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ60.00000°,λ25.00000°. NP2: ϕ_s32.00000°,δ69.00000°,λ148.00000°. Principal axes: T Plg38.0000°,Azm351.0000° ; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm85.0000° Moment Tensor Solution. s67 Moment tensor: Scale 10^{18}Nm; M_{rr}0.62 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-0.96 $M_{r\theta}$1.08 $M_{\theta\phi}$0.53 $M_{\phi r}$0.62 Best double couple: NP1:ϕ_s21.00000°,δ70.00000°,λ134.00000°. NP2:ϕ_s130.00000° ,δ48.00000°,λ28.00000°. Principal axes: T 1.8100,Plg46.0000°,Azm335.0000° ; N -0.6100,Plg40.0000°,Azm181.0000°; P -1.2000,Plg13.0000°,Azm80.0000° M_o1.60000×10^{18} Moment Tensor Solution. M_o5.20000×10^{18}
AUST Error ellipse: s-maj=0.6km s-min=0.4km az=44.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=121, comp=205, per= 50. Moment Tensor Solution. s127,c303; s93,c153; Moment tensor: Scale 10^{18}Nm; M_{rr}2.01±.02 $M_{\theta\theta}$1.03±.02; $M_{\phi\phi}$-3.04±.02; $M_{r\theta}$2.98±.06; $M_{\theta\phi}$0.45±.02; $M_{\phi r}$1.21±.04; Best double couple: NP1:ϕ_s146.00000°,δ44.00000°,λ31.00000°. NP2:ϕ_s33.00000°,δ69.00000°,λ129.00000°. Principal axes: T 4.7300,Plg49.0000°,Azm346.0000°; N -1.4000,Plg36.0000°,Azm196.0000° ; P -3.3300,Plg15.0000°,Azm95.0000° M_o4.00000×10^{18}

(263) Talaud Islands

ISC	**III**	**16 14 27 39.9–.36**	**3.68N–.04**	**126.83E–.05**	**40–2**	**5.5s,5.1b**	**240**	**1-149**
BJI	III	16 14 27 31.1	2.80N	127.02E	35	5.6b,5.5s		¶15153217
IDC	III	16 14 27 34.0–.42	3.60N	126.59E	0	5.3s,5.3		
MOS	III	16 14 27 37.2–.91	3.63N	126.65E	33	5.4b,5.3		
NEIC	III	16 14 27 39.2–.28	3.61N	126.65E	35	5.0b,5.3		
ISCJB	III	16 14 27 40.9–.45	3.63N–.03	126.79E–.04	68–4	4.9b,5.3		
DJA	III	16 14 27 42.8–.60	4N–5.0	127E–3.0	56	5.2b,5.1		
AUST	III	16 14 27 45.5	3.50N	127.00E	100	5.2b,5.1		

ISC Event type fe.
IDC Error ellipse: s-maj=18.8km s-min=10.4km az=79.0.
MOS Error ellipse: s-maj=14.5km s-min=7.0km az=112.8.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=6.3km az=77.0. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.7km az=154.9.

(456) Montana

ISC	**III**	**16 16 57 50.6–.71**	**45.75N–.02**	**106.57W–.02**	**0**		**74**	**0-17**
IDC	III	16 16 57 49.8–1.1	45.66N	106.46W	0	3.2,3.1		¶12703433
ISCJB	III	16 16 57 50.1–.21	45.85N–.01	106.67W–.02	0	3.2,3.1		
NEIC	III	16 16 57 51.3–1.1	45.64N	106.41W	0	2.6L,3.1		

ISC Event type sm.
IDC Error ellipse: s-maj=34.9km s-min=8.4km az=132.0.
ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.8km az=162.1.
NEIC Event type fm. Error ellipse: s-maj=15.8km s-min=12.6km az=195.0. 35 km [20 miles] SSE of Colstrip. Suspected Mining explosion.

(460) Wyoming

ISC	**III**	**16 18 02 23.7–.56**	**43.66N–.02**	**105.32W–.02**	**0**	**4.1b**	**161**	**0-100**
IDC	III	16 18 02 22.8–1.1	43.58N	105.36W	0	4.6,4.5s		¶12703441
ISCJB	III	16 18 02 23.4–.18	43.68N–.01	105.34W–.02	0	4.7s,4.1b		
NEIC	III	16 18 02 23.8–.59	43.66N	105.33W	0	3.3L,4.1b		

ISC Event type sm.
IDC Error ellipse: s-maj=25.1km s-min=7.6km az=149.0.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.7km az=162.0.
NEIC Event type fm. Error ellipse: s-maj=8.1km s-min=7.3km az=148.0. 70 km [45 miles] S of Gillette. Suspected Mining explosion.

(456) Montana

ISC	**III**	**16 20 49 00.3–.67**	**45.08N–.02**	**106.88W–.02**	**0**		**81**	**0-18**
ISCJB	III	16 20 49 01.0–.22	45.11N–.01	106.90W–.02	0			¶12703458
IDC	III	16 20 49 00.4–1.4	44.53N	106.28W	0	3.2,3.1		
NEIC	III	16 20 49 01.2–.86	45.32N	106.82W	0	2.4L,3.1		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=2.1km az=44.0.
IDC Error ellipse: s-maj=46.0km s-min=9.1km az=140.0.
NEIC Event type fm. Error ellipse: s-maj=18.7km s-min=9.7km az=167.0. 60 km [35 miles] N of Sheridan. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

ISC	**III**	**17 00 40 05.6–.34**	**38.02N–.04**	**142.47E–.04**	**35–1**	**4.6b,3.9s**	**368**	**1-154**
NIED	III	17 00 40 00	38.00N	142.70E	26	4.4W,3.9s		¶11938387
JMA	III	17 00 40 01.9–.10	38.01N	142.63E	34–2	4.6,3.9s		
ISCJB	III	17 00 40 01.2–.91	37.98N–.03	142.58E–.04	16–5	4.6b,3.9s		
BJI	III	17 00 40 03.6	38.00N	142.48E	38	4.8b,4.7b		
MOS	III	17 00 40 04.0–.94	38.02N	142.50E	33	4.8b,4.7b		
SZGRF	III	17 00 40 04.6	37.01N	143.18E	59	4.7b,4.7b		
IDC	III	17 00 40 05.5–.36	38.00N	142.53E	33–2	4.4,4.4		
NEIC	III	17 00 40 05.3–.19	38.01N	142.57E	33	4.9b,4.4W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ50.00000°,λ66.00000°. NP2: ϕ_s222.00000°,δ46.00000°,λ116.00000°. M_o4.96000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=136.5.
MOS Error ellipse: s-maj=8.4km s-min=5.2km az=114.8.
SZGRF Off east coast of Honshu, Japan.
IDC Error ellipse: s-maj=12.1km s-min=8.6km az=116.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=130.0. Recorded [1 JMA] in Fukushima, Iwate and Miyagi. Moment Tensor Solution. M_o5.00000×10^{15}

(2) Southern Alaska

ISC	**III**	**17 01 13 31.6–.50**	**60.26N–.03**	**152.19W–.03**	**91–4**	**4.0b**	**183**	**0-148**
ISCJB	III	17 01 13 31.0–.19	60.26N–.02	152.15W–.04	102–2	4.0b		¶12703474
IDC	III	17 01 13 30.0–1.1	60.28N	152.35W	73–11	3.9,3.9		
NEIC	III	17 01 13 33.1	60.24N	152.15W	90	3.9b,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=146.9.
IDC Error ellipse: s-maj=10.9km s-min=8.7km az=126.0.
NEIC Event type fe. Felt [III] at Anchorage, Homer and Kenai. Also felt at Elmendorf AFB and Ninilchik. After AEIC.

(58) Near coast of Guerrero

ISC	**III**	**17 02 31 24.4–.78**	**16.90N–.04**	**100.30W–.02**	**27–5**	**4.7b,4.1s**	**562**	**0-128**
ISCJB	III	17 02 31 23.9–.40	16.89N–.02	100.27W–.02	33–2	4.5b,4.0s		¶12599160
MEX	III	17 02 31 25.5–.52	16.85N	100.34W	17–9	4.8,4.0s		
NEIC	III	17 02 31 25.5	16.85N	100.34W	17	4.8,4.6b		
IDC	III	17 02 31 26.6–5.2	17.06N	100.02W	33–38	4.4,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=22.9.
MEX Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
NEIC Event type fe. Felt at Acapulco. After MEX.
IDC Error ellipse: s-maj=28.3km s-min=12.0km az=51.0.

(144) Southern Chile

GUC	**III**	**17 04 05 15.4–.57**	**42.07S**	**72.45W**	**11–6**	**3.8L**		
NEIC	III	17 04 05 15.4	42.07S	72.45W	11	3.8L		¶14269701

GUC Error ellipse: s-maj=1.1km s-min=3.5km az=-1.0.
NEIC Event type fe. Felt [IV] at Hornopiren. After GUC.

(186) Vanuatu Islands

ISC	**III**	**17 07 20 33.8–.53**	**18.37S–.05**	**168.21E–.08**	**63–3**	**4.7b**	**158**	**4-166**
AUST	III	17 07 20 11.9	16.50S	170.00E	25	4.7b		¶15153235
ISCJB	III	17 07 20 28.6–3.3	18.22S–.06	168.24E–.08	29–23	4.7b,3.8s		
MOS	III	17 07 20 29.8–1.4	18.06S	168.03E	33	5.2b,3.8s		
IDC	III	17 07 20 30.4–5.5	18.19S	168.28E	33–40	4.6L,4.4		
BJI	III	17 07 20 31.0	17.97S	169.00E	65	5.0s,5.0b		
NEIC	III	17 07 20 35.0–1.1	18.15S	168.11E	70–9	4.5b,5.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=10.0km az=169.9.
MOS Error ellipse: s-maj=13.7km s-min=10.8km az=8.2.
IDC Error ellipse: s-maj=18.9km s-min=17.1km az=106.0.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=7.5km az=165.0. Felt at Port-Vila.

(676) Northern Alaska

ISC	**III**	**17 07 33 04.7–.47**	**65.59N–.04**	**149.83W–.03**	**14–2**	**4.1b**	**271**	**1-72**
BJI	III	17 07 33 01.1	65.30N	150.19W	14	4.9b,4.5s		¶11938398
NEIC	III	17 07 33 03.6	65.59N	149.92W	14	4.0L,4.5s		
IDC	III	17 07 33 05.7–.66	65.69N	149.26W	0	4.1,4.0b		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Fairbanks, Fort Wainwright and North Pole. Also felt at Nenana and Pump Station No. 7. After AEIC.

IDC Error ellipse: s-maj=14.7km s-min=7.9km az=49.0.

(368) Southern Greece

ISC	**III**	**17 08 07 21.7–.79**	**36.96N–.02**	**22.16E–.02**	**11–5**	**4.2b,3.4s**	**475**	**0-121**
MOS	III	17 08 07 18.8–1.4	36.79N	22.02E	10	4.5b,3.4s		**¶13436501**
IDC	III	17 08 07 19.6–.64	36.95N	22.25E	0	4.2L,4.1b		
CSEM	III	17 08 07 21.8–.13	36.95N	22.14E	10	4.2b,4.2W		
NEIC	III	17 08 07 21.3	36.99N	22.17E	12	4.2b,4.2L		
ISCJB	III	17 08 07 21.6–.31	36.92N–.02	22.08E–.02	21–2	4.1b,3.5s		
THE	III	17 08 07 21.9	36.98N	22.17E	2–1	4.2L,3.5s		
ATH	III	17 08 07 21.3	36.99N	22.17E	12–1	4.2L,3.5s		
SOF	III	17 08 07 22.7	37.02N	22.63E	2	3.4,3.5s		

ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=71.5.
IDC Error ellipse: s-maj=16.4km s-min=12.3km az=18.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=51.0.
NEIC Event type fe. Felt at Kalamata. After ATH.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=41.5.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=232.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.

(37) Nevada

NEIC	**III**	**17 09 59 05.0**	**40.82N**	**116.03W**	**8**	**3.8L**		
								¶14269704

NEIC Event type fe. Felt at Carlin and Spring Creek. After REN.

(710) Pakistan

ISC	**III**	**17 23 14 45.9–.33**	**25.97N–.04**	**67.26E–.03**	**17–1**	**4.9b,4.5s**	**799**	**7-131**
IDC	III	17 23 14 42.4–.41	25.78N	67.30E	0	4.7,4.7		**¶13436558**
ISCJB	III	17 23 14 43.3–.15	25.90N–.02	67.29E–.02	15	4.8b,4.5s		
TEH	III	17 23 14 45.0	25.88N	67.22E	15	4.9L,4.5s		
MOS	III	17 23 14 46.0–1.2	25.93N	67.27E	33	5.0b,4.4s		
BJI	III	17 23 14 46.7	26.16N	67.80E	10	5.0s,5.0b		
SZGRF	III	17 23 14 47.2	24.62N	66.08E	30	4.7b,5.0b		
NEIC	III	17 23 14 47.2–1.8	25.91N	67.24E	27–12	5.0b,5.0b		
GCMT	III	17 23 14 48.9–.20	25.84N	67.42E	12	5.0W,5.0b		
DJA	III	17 23 14 56.5–1.6	26N–9.0	68E–6.0	102–19	5.3b,4.8b		

ISC Event type fe.
ISCJB Event type fe.
SZGRF Pakistan.
NEIC Event type fe. Felt [II] at Karachi.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s52,c77; s86,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}4.63±.08 $M_{\theta\theta}$-0.86±.08; $M_{\phi\phi}$-3.77±.09; $M_{r\theta}$-0.85±.28; $M_{\theta\phi}$-1.52±.07; $M_{\phi r}$0.56±.24; Best double couple: NP1:ϕ_s214.00000°,δ45.00000°,λ106.00000°. NP2:ϕ_s12.00000°,δ47.00000°,λ75.00000°. Principal axes: T 4.8300,Plg79.0000° ,Azm209.0000°; N -0.4100,Plg11.0000°,Azm23.0000°; P -4.4200,Plg1.0000°,Azm113.0000° M_o4.60000×10^{16}

(603) Near southeast coast of Australia

ISC	**III**	**18 05 28 21.1–.57**	**38.29S–.04**	**145.79E–.05**	**15–2**	**4.8b,3.9s**	**98**	**1-147**
ISCJB	III	18 05 28 16.7–1.7	38.37S–.04	145.75E–.06	4–12	4.5b,3.9s		**¶15153257**
IDC	III	18 05 28 17.4–.86	38.33S	146.21E	0	4.6L,4.4		
NEIC	III	18 05 28 17.0	38.43S	145.82E	15	4.6L,4.3b		
BJI	III	18 05 28 18.7	38.31S	145.49E	10	5.0b,4.9s		
AUST	III	18 05 28 20.0–6.6	38.39S	145.80E	18–0	5.0b,4.9s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=6.6km az=170.4.
IDC Error ellipse: s-maj=50.6km s-min=13.0km az=66.0.
NEIC Event type fe. Felt [IV] at Wonthaggi; [III] at Cranbourne, Crib Point, Healesville, Melbourne, Moe-Yallourn, Pakenham and Warragul; [II] at Craigieburn, Geelong, Hastings, Somerville and Sunbury. Also felt at Bacchus Marsh, Canberra, Leopold, Melton, Morwell and Traralgon. After AUST.
AUST Error ellipse: s-maj=1.0km s-min=0.8km az=249.0.

(263) Talaud Islands

ISC	**III**	**18 09 03 09.6–.30**	**3.67N–.03**	**126.61E–.03**	**31–1**	**5.8b,4.9s**	**1269**	**3-169**
BJI	III	18 09 03 05.9	3.36N	126.68E	35	5.7b,5.4b		**¶13436626**
ISCJB	III	18 09 03 08.5–.12	3.66N–.02	126.71E–.02	35	5.8b,4.8s		
MOS	III	18 09 03 08.9–.93	3.71N	126.51E	33	5.9b,4.8s		
NEIC	III	18 09 03 08.5–.11	3.65N	126.66E	23	5.8b,5.6		
IDC	III	18 09 03 09.3–2.5	3.59N	126.57E	28–16	5.5,5.5		
TEH	III	18 09 03 12.0	3.67N	126.74E	59	5.7L,5.5		
GCMT	III	18 09 03 13.4–.10	3.79N	126.82E	24–0	5.5W,5.5		
DJA	III	18 09 03 14.8–.30	4N–2.0	127E–2.0	78–4	5.9,5.8b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Damau, Melonguanne and Salibabu. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ70.00000° ,λ120.00000°. NP2:ϕ_s151.00000°,δ36.00000°,λ36.00000°. Principal axes: T Plg55.0000° ,Azm338.0000°; N Plg0.0000°,Azm0.0000°; P Plg19.0000°,Azm98.0000° Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}1.44 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-2.20 $M_{r\theta}$0.11 $M_{\theta\phi}$0.34 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s5.00000°,δ53.00000°,λ106.00000°. NP2:ϕ_s160.00000° ,δ40.00000°,λ70.00000°. Principal axes: T 1.5300,Plg75.0000°,Azm326.0000° ; N 0.7700,Plg12.0000°,Azm175.0000°; P -2.2900,Plg6.0000°,Azm83.0000° M_o2.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=171, per= 50. Moment Tensor Solution. s96,c159; s30,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}1.26±.03 $M_{\theta\theta}$0.64±.02; $M_{\phi\phi}$-1.90±.03; $M_{r\theta}$1.04±.05; $M_{\theta\phi}$-0.82±.02; $M_{\phi r}$0.35±.04; Best double couple: NP1:ϕ_s164.00000°,δ46.00000°,λ36.00000°. NP2:ϕ_s47.00000°,δ65.00000°,λ131.00000°. Principal axes: T 2.0500,Plg52.0000°,Azm5.0000°; N 0.2200,Plg36.0000°,Azm208.0000° ; P -2.2600,Plg11.0000°,Azm110.0000° M_o2.20000×10^{17}

(35) Near coast of northern California

ISC	**III**	**18 11 04 38.5–1.5**	**40.52N–.04**	**124.4W–.10**	**10**		**38**	**1-23**
ISCJB	III	18 11 04 35.5–.75	40.50N–.03	124.58W–.08	10	2.8b		**¶12025736**
IDC	III	18 11 04 37.2–2.5	40.62N	124.29W	0	3.6,3.4L		
NEIC	III	18 11 04 39.1	40.55N	124.43W	14	3.8W,3.4L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=3.8km az=174.5.
IDC Error ellipse: s-maj=28.2km s-min=11.8km az=108.0.
NEIC Event type fe. Felt [II] at Arcata, Bayside, Eureka, Ferndale, Fortuna, McKinleyville and Rio Dell. Also felt at Blue Lake, Carlotta, Fields Landing, Loleta, Petrolia, Redway, Scotia and Trinidad. After NCEDC. Moment Tensor Solution. M_o6.70000×10^{14}

(196) Irian Jaya region

ISC	**III**	**18 11 27 36.5–.81**	**0.75S–.06**	**131.45E–.07**	**10**	**3.8b,3.6s**	**37**	**0-87**
IDC	III	18 11 27 32.4–.99	0.44S	132.59E	0	3.9,3.9L		**¶15153258**
DJA	III	18 11 27 36.2–.70	1S–5.0	131E–5.0	10	4.6,4.6		
NEIC	III	18 11 27 37.5–.44	0.51S	132.55E	35	4.0b,4.6		
AUST	III	18 11 27 55.8	1.99S	131.00E	35	4.0b,4.6		

ISC Event type fe.
IDC Error ellipse: s-maj=46.6km s-min=12.9km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=19.4km s-min=6.7km az=73.0. Felt [III] at Sorong.

(124) Chile-Bolivia border region

ISC	**III**	**18 22 02 32.0–.22**	**20.50S–.02**	**68.97W–.04**	**108**	**4.8b**	**489**	**1-173**
ISCJB	III	18 22 02 30.9–.15	20.46S–.02	68.79W–.04	108	4.8b		**¶12025756**
GUC	III	18 22 02 31.8–.77	20.50S	69.22W	114–4	5.2L		
IDC	III	18 22 02 32.8–.41	20.41S	68.79W	110–3	4.5,4.5		
NEIC	III	18 22 02 32.6–.20	20.41S	68.73W	108	4.9b,4.5		
GCMT	III	18 22 02 38.0–.30	20.53S	69.07W	124–3	4.9W,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=179.0.
GUC Error ellipse: s-maj=1.8km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=13.1km s-min=10.2km az=61.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.9km az=66.0. Felt [III] at Alto Hospicio, Huara, Iquique and Pozo Almonte; [II] at Pica, Chile.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s30,c33; s64,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.53±.12 $M_{\theta\theta}$0.25±.16; $M_{\phi\phi}$1.28±.17; $M_{r\theta}$1.76±.08; $M_{\theta\phi}$-1.07±.17; $M_{\phi r}$-1.60±.10; Best double couple: NP1:ϕ_s166.00000°,δ20.00000°,λ-60.00000°. NP2:ϕ_s314.00000°,δ72.00000°,λ-101.00000°. Principal axes: T 3.1100,Plg27.0000° ,Azm53.0000°; N -0.3100,Plg10.0000°,Azm317.0000°; P -2.8100,Plg61.0000° ,Azm209.0000° M_o3.00000×10^{16}

(227) Eastern Honshu

ISC	**III**	**18 22 57 29.2–1.0**	**39.07N–.03**	**140.93E–.05**	**12–10**	**3.6b**	**16**	**0-63**
IDC	III	18 22 57 19.6–2.3	40.37N	140.60E	0	3.6,3.5b		**¶12703618**
ISCJB	III	18 22 57 29.3–.58	39.07N–.03	140.95E–.05	20–7	3.4b,3.5b		
JMA	III	18 22 57 29.7	39.07N	140.92E	7–1	3.1,3.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=62.9km s-min=32.0km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.7km az=165.2.
JMA Event type fe.

(235) Kyushu

ISC	**III**	**18 23 11 36.3–1.2**	**32.53N–.05**	**131.94E–.04**	**38–2**	**4.0b**	**27**	**0-84**
NIED	III	18 23 11 00	32.50N	132.00E	41	4.0W		**¶12703620**
ISCJB	III	18 23 11 35.5–.49	32.56N–.04	131.96E–.04	48–5	3.9b,3.4s		
JMA	III	18 23 11 36.2	32.54N	131.93E	36–1	4.0,3.4s		
IDC	III	18 23 11 36.6–2.5	32.52N	131.90E	45–17	3.8,3.7L		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s163.00000°,δ81.00000°,λ-77.00000°. NP2:ϕ_s287.00000°,δ16.00000°,λ-145.00000°. M_o1.07000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.8km az=155.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s349.00000°,δ86.00000°,λ79.00000°. NP2:ϕ_s238.00000°,δ11.00000°,λ159.00000°. Principal axes: T Plg48.0000°,Azm248.0000°; N Plg11.0000°,Azm350.0000°; P Plg40.0000° ,Azm89.0000°
IDC Error ellipse: s-maj=38.5km s-min=14.2km az=13.0.

(135) Near coast of central Chile

ISC	**III**	**19 00 33 39.2–.80**	**31.71S–.03**	**71.80W–.05**	**29–4**	**4.8b,4.2s**	**169**	**0-176**
IDC	III	19 00 33 34.8–.58	31.69S	71.81W	0	4.6,4.5b		**¶12025760**
ISCJB	III	19 00 33 37.4–.85	31.67S–.02	71.87W–.06	27–5	4.5b,4.1s		
BJI	III	19 00 33 37.8	31.84S	71.35W	29	4.9b,4.1s		
GUC	III	19 00 33 38.5–.67	31.77S	71.88W	28–2	4.9L,4.1s		
NEIC	III	19 00 33 38.5	31.77S	71.88W	28	4.9L,4.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.1km s-min=18.2km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=3.6km az=166.6.
GUC Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0.
NEIC Event type fe. Felt [II] at Cabildo, Canela, Illapel, Los Vilos and Salamanca. After GUC.

(196) Irian Jaya region

ISC	**III**	**19 02 17 30.5–.45**	**0.69S–.03**	**133.17E–.04**	**41–3**	**5.0b,4.3s**	**365**	**2-161**
BJI	III	19 02 17 24.1	1.17S	133.39E	35	5.1b,4.8b		**¶15153280**
IDC	III	19 02 17 24.3–.40	0.69S	133.08E	0	5.0,4.9		
ISCJB	III	19 02 17 27.9–.65	0.67S–.03	133.23E–.03	36–5	4.9b,4.3s		
MOS	III	19 02 17 27.7–1.3	0.67S	133.06E	33	5.3b,4.3s		
NEIC	III	19 02 17 29.6–.17	0.70S	133.13E	35	5.1b,4.3s		
GCMT	III	19 02 17 29.7–.10	0.60S	133.06E	32–0	5.2W,4.3s		
DJA	III	19 02 17 34.4–.30	1S–3.0	133E–2.0	54–3	5.6b,5.5		
AUST	III	19 02 17 37.0–.64	1.12S	132.98E	92–0	5.6b,5.5		

ISC Event type fe.
IDC Error ellipse: s-maj=19.4km s-min=9.8km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.0km az=144.4.
MOS Error ellipse: s-maj=12.8km s-min=6.1km az=109.6.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.7km az=61.0. Felt [III] at Manokwari.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c131; s92,c158; Moment tensor: Scale 10^{16}Nm; M_{rr}8.23±.20 $M_{\theta\theta}$-6.31±.14; $M_{\phi\phi}$-1.92±.18; $M_{r\theta}$-3.34±.18; $M_{\theta\phi}$4.33±.11; $M_{\phi r}$1.98±.24; Best double couple: NP1:ϕ_s122.00000°,δ33.00000°,λ91.00000°. NP2:ϕ_s301.00000°,δ57.00000°,λ90.00000°. Principal axes: T 9.0700,Plg78.0000° ,Azm210.0000°; N 0.7400,Plg0.0000°,Azm301.0000°; P -9.8100,Plg12.0000°,Azm31.0000° M_9.40000×10^{16}
AUST Error ellipse: s-maj=1.4km s-min=0.7km az=33.0.

(137) San Juan Province

ISC	**III**	**19 03 26 39.7–.32**	**31.64S–.03**	**69.21W–.04**	**110–2**	**4.6b**	**621**	**1-174**
ISCJB	III	19 03 26 38.2–.35	31.63S–.03	69.10W–.04	104–3	4.6b		**¶12025766**
GUC	III	19 03 26 38.6–1.0	31.65S	69.50W	152–16	4.2L		
IDC	III	19 03 26 39.8–.44	31.69S	69.06W	111–3	4.2,4.1b		
NEIC	III	19 03 26 39.7–.14	31.72S	69.15W	111	4.6b,4.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.4km az=2.4.
GUC Error ellipse: s-maj=3.3km s-min=14.6km az=-1.0.
IDC Error ellipse: s-maj=12.6km s-min=11.0km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.2km az=97.0. Felt [III] at San Juan.

(197) Near north coast of Irian Jaya

ISC	**III**	**19 07 03 35.0–.33**	**1.98S–.03**	**139.10E–.04**	**35–1**	**5.1b,4.3s**	**402**	**0-161**
BJI	III	19 07 03 28.5	2.59S	139.31E	35	5.0b,4.9b		**¶15153274**
IDC	III	19 07 03 29.6–.41	1.96S	139.06E	0	4.8,4.8		
AUST	III	19 07 03 29.5–2.6	2.00S	139.10E	0–0	4.8,4.8		
ISCJB	III	19 07 03 31.9–.88	2.02S–.03	139.09E–.03	25–6	5.0b,4.3s		
MOS	III	19 07 03 33.0–.98	2.02S	138.97E	33	5.2b,4.3s		
DJA	III	19 07 03 33.9–.60	2S–4.0	139E–3.0	20–4	5.6b,5.2b		
GCMT	III	19 07 03 34.1–.20	1.76S	139.20E	12–0	5.0W,5.2b		
NEIC	III	19 07 03 35.0–.14	2.00S	139.02E	35	5.1b,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.3km s-min=10.5km az=71.0.
AUST Error ellipse: s-maj=1.2km s-min=0.7km az=31.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.9km az=137.2.
MOS Error ellipse: s-maj=12.3km s-min=6.2km az=110.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s39,c44; s86,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}2.95±.13 $M_{\theta\theta}$-1.62±.08; $M_{\phi\phi}$-1.33±.10; $M_{r\theta}$-2.71±.30; $M_{\theta\phi}$1.45±.06; $M_{\phi r}$2.18±.31; Best double couple: NP1:ϕ_s135.00000°,δ20.00000°,λ95.00000°. NP2:ϕ_s310.00000°,δ70.00000°,λ88.00000°. Principal axes: T 4.5700,Plg65.0000° ,Azm217.0000°; N -0.0200,Plg2.0000°,Azm310.0000°; P -4.5400,Plg25.0000°,Azm41.0000° M_o4.60000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=67.0. Felt [IV] at Sarmi.

(235) Kyushu

ISC	**III**	**19 10 40 07.5–1.4**	**31.89N–.03**	**129.43E–.04**	**4–9**	**4.0b,3.7s**	**67**	**0-88**
NIED	III	19 10 40 00	31.80N	129.40E	5	4.4W,3.7s		**¶12703669**
ISCJB	III	19 10 40 07.1–.96	31.90N–.03	129.39E–.03	6–6	4.0b,3.7s		
IDC	III	19 10 40 07.9–.54	32.04N	129.32E	0	4.1,4.0		
JMA	III	19 10 40 07.4	31.85N	129.39E	11–1	4.3,4.0		
NEIC	III	19 10 40 12.8–2.3	32.04N	129.37E	34–17	4.3b,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s100.00000°,δ81.00000°,λ-38.00000°. NP2:ϕ_s197.00000°,δ53.00000°,λ-169.00000°. M_o3.85000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.3km az=17.5.
IDC Error ellipse: s-maj=17.4km s-min=12.7km az=76.0.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=6.9km az=81.0. Recorded [2 JMA] in Kagoshima and [1 JMA] in Kumamoto and Nagasaki.

(370) Crete

ISC	**III**	**19 14 15 18.3–.24**	**35.09N–.02**	**23.43E–.02**	**30–1**	**5.1b,4.4s**	**1706**	**1-152**
SZGRF	III	19 14 15 08.9	34.67N	24.45E	10	5.0b,3.7s		**¶12025785**
BEO	III	19 14 15 10.3–4.8	34.19N	23.00E		5.2L,3.7s		
HLW	III	19 14 15 13.8	35.48N	23.73E	11–13	4.6L,4.3		
BJI	III	19 14 15 14.9	35.25N	23.11E	29	5.3b,5.1b		
ISCJB	III	19 14 15 15.1–.44	35.02N–.01	23.45E–.01	15–3	5.0b,4.4s		
DJA	III	19 14 15 15.5–.70	35N–10	23E–12	10	5.9,5.7b		
MOS	III	19 14 15 17.6–1.0	35.16N	23.47E	33	5.3b,4.1s		
IDC	III	19 14 15 18.6–2.2	35.13N	23.50E	29–14	4.9L,4.8b		
CSEM	III	19 14 15 18.8–.11	34.99N	23.43E	40	4.9b,4.4W		
ATH	III	19 14 15 19.3	35.10N	23.44E	37–0	4.8L,4.4W		
NEIC	III	19 14 15 19.3	35.10N	23.44E	37	5.0b,4.8L		
PDG	III	19 14 15 19.5–.40	35.15N	23.14E	37–11	4.8L,4.8L		
BGS	III	19 14 15 22.8–2.1	35.60N	23.41E	33	5.0b,4.8L		
GCMT	III	19 14 15 24.7–.40	34.75N	23.16E	56–2	4.9W,4.8L		
NIC	III	19 14 15 27.2–.50	36.01N	24.22E	61	5.0b,4.5L		
DDA	III	19 14 15 42.0	36.51N	24.89E	18	4.7L,4.5L		

ISC Event type fe.
SZGRF Crete, Greece.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.6km az=22.3.
MOS Error ellipse: s-maj=4.2km s-min=2.3km az=102.0.
IDC Error ellipse: s-maj=11.0km s-min=9.9km az=7.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=27.0.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
NEIC Event type fe. Felt at Kolymvari, Mourniaos, Pithairion and Vrases. After ATH.
PDG Event type ke. Error ellipse: s-maj=7.3km s-min=4.7km az=90.0.
BGS Error ellipse: s-maj=296.8km s-min=135.0km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s35,c43; s60,c91; Moment tensor: Scale 10^{16}Nm; M_{rr}1.86±.15 $M_{\theta\theta}$-1.60±.12; $M_{\phi\phi}$-0.26±.11; $M_{r\theta}$0.87±.09;

$M_{\theta\theta}$2.11±.10; $M_{\theta r}$-0.75±.09; Best double couple: NP1:ϕ_s299.00000°,δ33.00000°,λ79.00000°. NP2:ϕ_s131.00000°,δ58.00000°,λ97.00000°. Principal axes: T 2.1200,Plg76.0000° ,Azm62.0000°; N 1.2800,Plg6.0000°,Azm308.0000°; P -3.4000,Plg12.0000°,Azm216.0000° $M_0$2.80000×10^{16}

NIC Moment Tensor Solution. $M_0$7.70000×10^{14}

DDA Event type ke.

(460) Wyoming

ISC	**III**	**19 16 35 20.6–.64**	**43.44N–.02**	**105.36W–.02**	**0**		**143**	**0-20**
IDC	III	19 16 35 17.2–2.5	43.12N	105.28W	0	3.3,3.2L		**¶12703698**
ISCJB	III	19 16 35 21.0–.18	43.48N–.01	105.38W–.02	0	3.3,3.2L		
NEIC	III	19 16 35 21.1–.49	43.48N	105.28W	0	2.9L,3.2L		

ISC Event type sm.

IDC Error ellipse: s-maj=46.1km s-min=9.7km az=155.0.

ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.7km az=153.1.

NEIC Event type fm. Error ellipse: s-maj=7.3km s-min=6.2km az=187.0. 80 km [50 miles] E of Midwest. Suspected Mining explosion.

(174) Tonga Islands region

ISC	**III**	**19 18 17 40.7–.30**	**23.16S–.03**	**174.59W–.03**	**31–1**	**7.6s,7.0b**	**2501**	**7-180**
WEL	III	19 18 17 23.6–2.3	23.72S	171.71W	12	7.9W,7.0b		**¶15153302**
IDC	III	19 18 17 35.8–.31	23.01S	174.74W	0	7.4s,7.4		
ISCJB	III	19 18 17 38.7–.08	23.09S–.03	174.62W–.02	31	7.6s,6.8b		
DJA	III	19 18 17 39.0–.30	23S–5.0	175W–6.0	10	8.0,7.9		
MOS	III	19 18 17 39.4–1.1	23.00S	174.70W	33	7.5s,7.0b		
BGS	III	19 18 17 40.8–2.5	23.05S	174.67W	33	7.8s,7.0b		
NEIC	III	19 18 17 40.5–.09	23.04S	174.66W	31	7.8,7.6s		
IGIL	III	19 18 17 41.2	23.05S	174.67W	34	7.9s,7.6s		
AUST	III	19 18 17 41.2–2.9	22.96S	174.74W	29–0	7.9s,7.6s		
GCMT	III	19 18 17 53.2–.10	23.08S	174.23W	49–0	7.6W,7.6s		

ISC Event type fe.

WEL Event type fe. Error ellipse: s-maj=38.0km s-min=9.7km az=90.0. Felt between Bay of Plenty, Nelson and Gisborne, maximum reported intensity. MM 4.

IDC Error ellipse: s-maj=12.8km s-min=10.3km az=174.0.

ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.1km az=156.4.

MOS Error ellipse: s-maj=8.0km s-min=5.9km az=59.6.

BGS Error ellipse: s-maj=135.6km s-min=787.5km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=151.0. Felt [VI] at Nuku'alofa. Felt at Havelu, Neiafu, Pangai and Vaini. Also felt at Suva, Fiji; Auckland, Lower Hutt, Taradale and Wellington, New Zealand; Apia, Samoa. A small tsunami was generated with wave heights [peak-to-trough, in cm.] at the following selected tide stations: 10.4 at Iquique, Chile; 17.3 at Rarotonga, Cook Islands; 5.7 at Suva, Fiji; 27.0 at Santa Cruz, Galapagos Islands; 10.0 at Honolulu, 18.6 at Kahului and 9.4 at Nawiliwili, Hawaii; 20.3 at Nuku Hiva and 14.5 at Hiva Oa, Marquesas Islands; 10.0 at Napier, New Zealand; 8.7 at Niue; 22.8 at Callao, Peru; 10.7 at Port-Vila, Vanuatu. Complex earthquake, with at least one larger event occurring about 4 seconds after the onset observed on broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms based on the first large event following the onset. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s215.00000°,δ65.00000°,λ120.00000°. NP2: ϕ_s341.00000°,δ38.00000°,λ43.00000°. Principal axes: T Plg59.0000°,Azm168.0000° ; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm284.0000° Moment Tensor Solution. $M_0$3.30000×10^{20}

AUST Error ellipse: s-maj=1.0km s-min=0.9km az=247.0.

GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 127 sta. Surface waves: sta=122, comp=295, per= 50. Moment Tensor Solution. s127,c327; s99,c334; Moment tensor: Scale 10^{20}Nm; M_{rr}3.28±.01 $M_{\theta\theta}$-0.20±.01; $M_{\phi\phi}$-3.09±.01; $M_{r\theta}$-0.25±.03; $M_{\theta\phi}$-1.15±.01; $M_{\theta r}$0.19±.03; Best double couple: NP1:ϕ_s205.00000°,δ44.00000°,λ98.00000°. NP2:ϕ_s14.00000°,δ46.00000°,λ82.00000°. Principal axes: T 3.3100,Plg85.0000°,Azm208.0000°; N 0.1800,Plg5.0000°,Azm19.0000° ; P -3.4900,Plg1.0000°,Azm109.0000° $M_0$3.40000×10^{20}

(230) Near south coast of eastern Honshu

JMA	**III**	**19 23 30 31.0**	**34.79N**	**137.12E**	**7–1**	**3.2**		
								¶15554563

JMA Event type fe.

(174) Tonga Islands region

ISC	**III**	**20 02 10 38.1–.55**	**22.88S–.08**	**174.68W–.07**	**33–2**	**4.8b,4.4s**	**472**	**6-170**
BJI	III	20 02 10 35.3	23.19S	174.14W	35	5.5b,5.2b		**¶15153305**
ISCJB	III	20 02 10 36.6–4.2	22.89S–.07	174.78W–.05	32–29	4.8b,4.5s		
SZGRF	III	20 02 10 37.7	23.08S	174.30W	33	4.8b,4.5s		
AUST	III	20 02 10 39.0–14	22.48S	174.08W	84–0	4.8b,4.5s		
NEIC	III	20 02 10 38.5–.18	22.85S	174.81W	35	4.9b,4.5s		
MOS	III	20 02 10 39.5–.92	22.80S	174.93W	53	5.0b,4.5s		
IDC	III	20 02 10 53.2–.64	22.96S	174.98W	164–4	4.4,4.3		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=7.4km az=158.0.

SZGRF Tonga Islands region.

AUST Error ellipse: s-maj=6.8km s-min=1.4km az=352.0.

NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=4.9km az=152.0. Felt at Nuku'alofa.

MOS Error ellipse: s-maj=12.3km s-min=11.6km az=147.3.

IDC Error ellipse: s-maj=19.4km s-min=12.8km az=153.0.

(658) Northeastern China

ISC	**III**	**20 06 48 58.7–.50**	**43.32N–.04**	**125.14E–.05**	**10**	**3.9b,3.9s**	**37**	**1-80**
ISCJB	III	20 06 48 54.1–.39	43.22N–.03	125.19E–.05	10	3.8b,3.8s		**¶12703788**
IDC	III	20 06 48 55.6–.80	43.42N	125.15E	0	4.0,3.8		
BJI	III	20 06 48 56.5	43.38N	124.84E	7	4.5L,4.2s		
NEIC	III	20 06 48 57.6–.56	43.48N	125.24E	10	4.2b,4.2s		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=30.6.

IDC Error ellipse: s-maj=17.5km s-min=16.2km az=34.0.

NEIC Event type fe. Error ellipse: s-maj=14.3km s-min=11.1km az=224.0. Felt [II] at Changchun. Also felt at Siping.

(224) Hokkaido region

ISC	**III**	**20 06 52 15.9–.32**	**42.63N–.03**	**144.53E–.03**	**62–2**	**5.2b**	**1352**	**0-156**
NIED	III	20 06 52 00	42.60N	144.60E	65	5.0W		**¶13436799**
DJA	III	20 06 52 07.4–1.6	43N–15	145E–25	10	5.7b,5.3		
TEH	III	20 06 52 13.0	42.71N	144.38E	27	5.2L,5.3		
ISCJB	III	20 06 52 14.3–.25	42.58N–.02	144.42E–.02	57–2	5.2b,4.4s		
BJI	III	20 06 52 14.1	42.75N	144.63E	67	5.1b,5.1b		
JMA	III	20 06 52 14.6–.10	42.60N	144.54E	64–1	5.0,5.1b		
MOS	III	20 06 52 14.5–.90	42.59N	144.41E	59	5.5b,4.6s		
IDC	III	20 06 52 15.5–.49	42.62N	144.55E	56–4	5.0,5.0		
NEIC	III	20 06 52 16.8–.38	42.64N	144.38E	65–3	5.1b,5.0W		
SKHL	III	20 06 52 16.4–1.0	42.66N	144.56E	88–10	6.5s,6.2b		
SZGRF	III	20 06 52 20.9	43.80N	145.10E	43	5.2b,6.2b		
BGS	III	20 06 52 28.7–1.5	43.95N	140.81E	67	5.0b,6.2b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ85.00000°,λ108.00000°. NP2:ϕ_s154.00000°,δ19.00000°,λ15.00000°. $M_0$3.48000×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=157.6.

JMA Event type fe.

MOS Error ellipse: s-maj=6.1km s-min=3.9km az=104.7.

IDC Error ellipse: s-maj=8.6km s-min=6.7km az=31.0.

NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=164.0. Recorded [3 JMA] in eastern and [2 JMA] in southeastern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu. Moment Tensor Solution. $M_0$3.50000×10^{16}

SZGRF Hokkaido, Japan, region.

BGS Error ellipse: s-maj=267.9km s-min=744.1km az=-1.0.

(115) Near coast of Peru

ISC	**III**	**20 07 14 39.0–.63**	**16.2S–.10**	**74.2W–.10**	**41–4**	**4.1b**	**38**	**3-148**
IDC	III	20 07 14 38.7–.80	16.30S	74.07W	34–6	4.0,4.0L		**¶12703791**
NEIC	III	20 07 14 40.9–1.0	16.10S	74.00W	53–9	4.2b,4.0L		
ISCJB	III	20 07 14 40.5–1.4	16.16S–.10	74.16W–.09	66–13	3.9b,4.0L		

ISC Event type fe.

NEIC Event type fe. Felt [II] at Atico and Chala.

ISCJB Event type fe.

(267) Halmahera

ISC	**III**	**20 12 00 47.6–1.1**	**0.65S–.08**	**127.53E–.09**	**12–5**		**20**	**0-62**
IDC	III	20 12 00 44.6–1.6	0.49S	127.80E	0	3.9L,3.8		**¶12703809**
DJA	III	20 12 00 48.3–.40	1S–3.0	127E–4.0	8–4	4.3b,3.9		
NEIC	III	20 12 00 49.9–1.2	0.57S	127.70E	35	3.4b,3.9		

ISC Event type fe.

IDC Error ellipse: s-maj=54.7km s-min=24.4km az=67.0.

NEIC Event type fe. Error ellipse: s-maj=23.8km s-min=15.6km az=46.0. Felt [III] at Labuha.

(460) Wyoming

ISC	**III**	**20 17 08 54.8–.52**	**43.47N–.02**	**105.32W–.02**	**0**		**140**	**0-20**
IDC	III	20 17 08 52.8–1.2	43.10N	105.26W	0	3.8L,3.8		**¶12703839**
ISCJB	III	20 17 08 55.4–.18	43.51N–.01	105.35W–.02	0	3.8L,3.8		
NEIC	III	20 17 08 56.1–.38	43.58N	105.29W	0	3.3L,3.8		

ISC Event type sm.

IDC Error ellipse: s-maj=25.1km s-min=8.8km az=161.0.

ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.6km az=159.5.

NEIC Event type fm. Error ellipse: s-maj=5.2km s-min=4.9km az=157.0. 80 km [50 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**III**	**20 18 02 57.3–.61**	**43.74N–.02**	**105.30W–.02**	**0**		**176**	**0-90**
ISCJB	III	20 18 02 56.8–.18	43.76N–.01	105.29W–.02	0	3.9b,2.9s		**¶12703844**
IDC	III	20 18 02 56.6–1.8	43.56N	105.35W	0	3.9b,3.9		
NEIC	III	20 18 02 57.7–.26	43.80N	105.25W	0	3.4L,3.9		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.7km az=166.4.

IDC Error ellipse: s-maj=47.3km s-min=8.4km az=150.0.

NEIC Event type fm. Error ellipse: s-maj=3.7km s-min=3.3km az=135.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**III**	**21 08 47 50.5–.98**	**43.31N–.01**	**110.80W–.01**	**2–8**		**270**	**0-19**
NEIC	III	21 08 47 50.7–.40	43.32N	110.72W	5	3.4W,3.1L		**¶12053736**
IDC	III	21 08 47 50.4–1.1	43.40N	110.61W	0	3.4,3.3		

ISC Event type fe.

NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.1km az=87.0. Felt [II] at Jackson and Wilson. Moment Tensor Solution. $M_0$1.80000×10^{14}

IDC Error ellipse: s-maj=20.9km s-min=9.8km az=40.0.

(43) Southern California

ISC	**III**	**21 11 24 45.6–.96**	**33.25N–.01**	**116.44W–.02**	**9–8**		**92**	**0-8**
ISCJB	III	21 11 24 44.9–.35	33.25N–.01	116.43W–.02	3–3			**¶12053738**
NEIC	III	21 11 24 45.0	33.25N	116.45W	3	3.3L		
ECX	III	21 11 24 46.7–.68	33.25N	116.45W	4	3.4L,3.3		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.2km az=165.2.

NEIC Event type fe. Felt [III] at Borrego Springs and [II] at Desert Hot Springs and Escondido. Also felt at Carlsbad, Fallbrook, Indio, Riverside, San Diego, San Marcos, Trabuco Canyon and Vista. After PAS.

ECX Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0.

(249) Luzon

ISC	**III**	**21 14 20 49.5–1.9**	**18.5N–.20**	**120.65E–.10**	**38–8**	**3.3b**	**16**	**0-88**
IDC	III	21 14 20 42.3–.92	18.34N	121.10E	0	3.6,3.4b		**¶12635189**
ISCJB	III	21 14 20 48.1–.90	18.57N–.08	120.66E–.08	41–10	3.3b,3.4b		
MAN	III	21 14 20 50	18.38N	120.69E	24	4.7b,3.6s		

ISC Event type fe.

IDC Error ellipse: s-maj=50.3km s-min=20.5km az=79.0.

ISCJB Event type fe. Error ellipse: s-maj=13.5km s-min=11.9km az=3.8.

MAN Event type fe. INTENSITY II - LAOAG CITY; PASUQUIN ILOCOS NORTE.

(238) Ryukyu Islands

ISC	**III**	**21 19 58 18.1–.44**	**26.05N–.03**	**128.58E–.03**	**16–1**	**4.5b,3.9s**	**278**	**1-89**
NIED	III	21 19 58 00	26.10N	128.60E	20	4.5W,3.9s		**¶13436964**
BJI	III	21 19 58 14.5	25.98N	128.52E	6	4.7b,4.4s		
IDC	III	21 19 58 15.9–.53	26.10N	128.49E	0	4.3,4.3b		
ISCJB	III	21 19 58 17.1–.71	26.01N–.03	128.56E–.03	24–4	4.5b,4.0s		
NEIC	III	21 19 58 17.2–1.5	26.02N	128.41E	11–8	4.6b,4.5W		
MOS	III	21 19 58 17.1–1.1	26.06N	128.49E	21	4.7b,4.5W		
JMA	III	21 19 58 18.6–.20	26.05N	128.63E	48	4.3,4.5W		
DJA	III	21 19 58 24.7–.90	27N–9.0	128E–15	10	5.6b,5.1		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ60.00000°,λ99.00000°. NP2:ϕ_s205.00000°,δ31.00000°,λ76.00000°. $M_0$6.11000×10^{15}

ISCJB Event type fe.

NEIC Event type fe. Felt on Okinawa. Recorded [1 JMA] on Okinawa. Moment Tensor Solution. $M_0$6.10000×10^{15}

JMA Event type fe.

(43) Southern California

ISC	**III**	**21 20 12 18.4–.94**	**33.29N–.02**	**115.77W–.02**	**10–8**		**62**	**0-3**
ISCJB	III	21 20 12 17.8–.35	33.32N–.01	115.76W–.02	4–3			**¶14269741**
NEIC	III	21 20 12 19.0	33.31N	115.73W	5	3.1L		
ECX	III	21 20 12 19.4–.73	33.31N	115.76W	9	3.3L,3.1		

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=23.7.

NEIC Event type fe. Felt at Bombay Beach and in the Salton Sea area. After PAS.

ECX Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0.

(43) Southern California

ISC	**III**	**21 20 17 02.4–.89**	**33.29N–.02**	**115.74W–.02**	**15–8**		**53**	**0-4**
ISCJB	III	21 20 17 02.2–.38	33.29N–.02	115.72W–.02	5–3			**¶14269742**
ECX	III	21 20 17 03.6–.79	33.32N	115.76W	10	3.4L,3.3		
NEIC	III	21 20 17 03.2	33.32N	115.73W	5	3.3L,3.3		

ISC Event type se.

ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=40.2.

ECX Error ellipse: s-maj=1.9km s-min=2.8km az=-1.0.

NEIC Event type fe. Felt at Bombay Beach and in the Salton Sea area. After PAS.

(159) North Island

ISC	**III**	**21 20 28 17.5–.31**	**37.85S–.03**	**176.84E–.04**	**168–2**	**4.9b**	**650**	**0-178**
DJA	III	21 20 27 57.4–.80	37S–11	178E–13	10	6.4,5.5b		**¶15153335**
AUST	III	21 20 28 11.9–.41	37.72S	176.93E	99–0	6.4,5.5b		
BJI	III	21 20 28 13.9	38.08S	177.23E	164	5.4b,5.1b		
ISCJB	III	21 20 28 16.9–.22	37.88S–.02	176.72E–.04	170–1	4.9b,5.1b		
NEIC	III	21 20 28 16.8–.24	37.86S	176.79E	165	4.8b,5.1b		
WEL	III	21 20 28 18.3–.18	37.78S	176.76E	158–1	6.1L,5.1b		
MOS	III	21 20 28 18.5–1.1	37.60S	176.72E	179	5.0b,5.1b		
IDC	III	21 20 28 18.7–.67	37.51S	176.89E	176–5	4.6,4.5		
GCMT	III	21 20 28 20.1–.20	37.77S	176.93E	163–1	5.1W,4.5		

ISC Event type fe.

AUST Error ellipse: s-maj=1.2km s-min=0.8km az=249.0.

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.9km az=171.9.

NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.2km az=99.0. Felt widely on the North Island.

WEL Event type fe. Error ellipse: s-maj=1.5km s-min=1.2km az=90.0. Felt between Coromandel, Canterbury and Gisborne, maximum reported intensity. MM 6.

MOS Error ellipse: s-maj=13.8km s-min=10.7km az=124.2.

IDC Error ellipse: s-maj=13.0km s-min=9.4km az=52.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c80; s84,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}2.64±.15 $M_{r\theta}$1.24±.18; $M_{\theta\phi}$-3.88±.16; $M_{r\phi}$4.08±.13; $M_{\theta\theta}$-0.53±.15; $M_{\theta r}$3.36±.12; Best double couple: NP1:ϕ_s157.00000°,δ27.00000°,λ29.00000°. NP2:ϕ_s41.00000°,δ77.00000°,λ114.00000°. Principal axes: T 6.5900,Plg52.0000° ,Azm339.0000°; N -0.5700,Plg24.0000°,Azm215.0000°; P -6.0200,Plg28.0000° ,Azm112.0000° $M_0$6.30000×10^{16}

(43) Southern California

ISC	**III**	**21 20 40 05.4–.94**	**33.30N–.02**	**115.75W–.02**	**10–8**		**56**	**0-4**
ISCJB	III	21 20 40 05.0–.37	33.28N–.02	115.74W–.02	2–3			**¶14269745**
ECX	III	21 20 40 05.8–.71	33.34N	115.76W	16–3	3.3L,3.1		
NEIC	III	21 20 40 06.2	33.32N	115.73W	5	3.1L,3.1		

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.6km az=23.4.

ECX Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0.

NEIC Event type fe. Felt at Bombay Beach and in the Salton Sea area. After PAS.

(226) Near west coast of eastern Honshu

ISC	**III**	**21 21 47 55.5–1.6**	**37.11N–.05**	**136.49E–.05**	**2–12**	**3.1b**	**18**	**0-66**
NIED	III	21 21 47 00	37.10N	136.40E	5	3.6W		**¶12635225**
ISCJB	III	21 21 47 54.7–1.1	37.14N–.04	136.37E–.05	4–8	2.9b		
JMA	III	21 21 47 55.6–.10	37.11N	136.40E	7–2	3.7		
IDC	III	21 21 47 59.7–2.6	37.04N	136.42E	37–32	3.2,3.1		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ67.00000°,λ92.00000°. NP2:ϕ_s186.00000°,δ23.00000°,λ85.00000°. $M_0$2.51000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=6.2km az=171.7.

JMA Event type fe.

IDC Error ellipse: s-maj=26.9km s-min=18.6km az=6.0.

(249) Luzon

ISC	**III**	**22 04 19 56.5–1.0**	**12.17N–.03**	**123.85E–.03**	**12–8**	**3.6b**	**29**	**0-49**
ISCJB	III	22 04 19 56.5–.99	12.22N–.03	123.86E–.03	9–7	3.5b		**¶12635256**
MAN	III	22 04 19 56	12.24N	123.85E	10	4.4b,3.2L		
IDC	III	22 04 19 57.1–1.3	11.54N	122.65E	0	4.2L,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=5.2km az=27.9.
MAN Event type fe. INTENSITY II - MASBATE MASBATE.
IDC Error ellipse: s-maj=137.3km s-min=18.6km az=66.0.

(159) North Island

WEL	**III**	**22 05 10 49.2–.06**	**41.26S**	**175.18E**	**26–0**	**3.5L**		
								¶12791298

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0. Felt in the Wellington region, maximum reported intensity MM 4.

(163) Cook Strait

ISC	**III**	**22 13 34 26.1–.65**	**40.44S–.04**	**173.48E–.04**	**167–5**	**4.0b**	**271**	**0-157**
IDC	III	22 13 34 23.7–1.0	40.43S	173.52E	138–10	4.1,4.0		**¶12635288**
ISCJB	III	22 13 34 24.8–.23	40.46S–.03	173.42E–.04	165–3	4.0b,4.0		
NEIC	III	22 13 34 26.8	40.43S	173.51E	160	4.5b,4.0		
WEL	III	22 13 34 27.2–.20	40.43S	173.49E	156–1	4.9L,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=17.8km s-min=9.2km az=125.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.1km az=33.5.
NEIC Event type fe. Felt at Blenheim, Nelson, Wanganui and Wellington. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.6km az=90.0. Felt between Taranaki, Canterbury and Manawatu, maximum reported intensity MM. 4.

(238) Ryukyu Islands

ISC	**III**	**22 14 45 47.0–.40**	**26.08N–.03**	**128.53E–.03**	**16–1**	**4.8b,4.7s**	**407**	**1-115**
BJI	III	22 14 45 42.4	25.90N	128.49E	5	5.1s,5.1b		**¶13437032**
IDC	III	22 14 45 44.4–.49	26.10N	128.50E	0	4.6,4.6		
ISCJB	III	22 14 45 45.2–.68	26.02N–.02	128.55E–.03	18–4	4.8s,4.7b		
JMA	III	22 14 45 46.2–.20	26.03N	128.67E	50	5.3,4.7b		
MOS	III	22 14 45 47.0–1.1	26.12N	128.51E	28	5.0b,4.5s		
NEIC	III	22 14 45 47.0–1.3	26.06N	128.49E	17–7	5.0W,4.9b		
GCMT	III	22 14 45 51.9–.20	25.97N	128.62E	20–0	5.1W,4.9b		
DJA	III	22 14 45 53.9–.70	27N–7.0	128E–11	10	5.3b,4.9b		
NIED	III	22 14 46 00	26.00N	128.80E	11	5.0W,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=10.7km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.3km az=139.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=9.4km s-min=4.9km az=111.9.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.5km az=129.0. Felt [II] at Ishikawa, Okinawa. Also felt at Chatan, Naha, Nishihara, Okinawa, Urasoe and Yomitan. Recorded [2 JMA] on Okinawa and [1 JMA] on Yoron-jima. Moment Tensor Solution. $M_0$4.10000×10^{16}
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s44,c74; s78,c129; Moment tensor: Scale 10^{16}Nm; M_{rr}3.98±.20 $M_{\theta\theta}$-2.10±.12; $M_{\phi\phi}$-1.88±.14; $M_{r\theta}$3.00±.25; $M_{\theta\phi}$-2.10±.07; $M_{\phi r}$3.25±.27; Best double couple: NP1:ϕ_s229.00000°,δ21.00000°,λ95.00000°. NP2:ϕ_s44.00000°,δ69.00000°,λ88.00000°. Principal axes: T 5.9400,Plg66.0000° ,Azm310.0000°; N 0.1000,Plg2.0000°,Azm44.0000°; P -6.0400,Plg24.0000°,Azm135.0000° $M_0$6.00000×10^{16}
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ56.00000°,λ98.00000°. NP2:ϕ_s221.00000°,δ35.00000°,λ79.00000°. $M_0$4.07000×10^{16}

(34) Off coast of northern California

ISC	**III**	**23 01 34 23.7–3.6**	**40.48N–.06**	**125.2W–.10**	**5–25**	**4.3b**	**101**	**1-68**
IDC	III	23 01 34 24.9–2.7	40.66N	125.11W	0	3.9,3.6L		**¶12635345**
NEIC	III	23 01 34 24.1	40.44N	125.32W	11	4.3b,4.1W		

ISC Event type fe.
IDC Error ellipse: s-maj=29.3km s-min=26.3km az=78.0.
NEIC Event type fe. Felt [II] at Eureka. Also felt at Fortuna and Trinidad. After NCEDC. Moment Tensor Solution. $M_0$1.90000×10^{15}

(242) Near coast of southeastern China

ISC	**III**	**23 02 08 33.9–1.2**	**25.40N–.03**	**119.90E–.03**	**1–9**	**3.8b**	**85**	**1-82**
BJI	III	23 02 08 30.7	25.20N	120.30E	10	4.5L,4.0		**¶12635349**
IDC	III	23 02 08 33.7–.90	25.41N	120.01E	0	3.9,3.7		
ISCJB	III	23 02 08 35.2–.99	25.39N–.03	119.86E–.02	12–7	3.7b,3.6s		
TAP	III	23 02 08 35.6	25.34N	119.88E	15–1	4.3L,3.6s		
NEIC	III	23 02 08 36.7–12	25.31N	119.99E	10	4.3L,3.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=54.9km s-min=17.0km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.4km az=13.6.
TAP C.
NEIC Event type fe. Error ellipse: s-maj=144.0km s-min=21.1km az=133.0. Felt at Fuzhou.

(478) Utah

ISC	**III**	**23 05 43 26.2–1.2**	**37.42N–.02**	**113.17W–.03**	**3–11**		**52**	**0-5**
NEIC	III	23 05 43 26.0	37.41N	113.16W	4	3.2L		**¶14269750**

ISC Event type fe.
NEIC Event type fe. Felt [II] at Cedar City, Hurricane, Kanarraville and New Harmony. Also felt at Saint George, Springdale and Virgin. After SLC.

(43) Southern California

ISC	**III**	**23 08 06 33.6–.97**	**33.29N–.02**	**115.77W–.03**	**12–9**		**31**	**0-3**
ISCJB	III	23 08 06 32.5–.42	33.32N–.02	115.78W–.03	7–5			**¶14269751**
NEIC	III	23 08 06 33.8	33.31N	115.74W	5	2.9L		
ECX	III	23 08 06 34.2–.70	33.31N	115.74W	6	3.2L,3.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=178.6.
NEIC Event type fe. Felt at Bombay Beach and in the Salton Sea area. After PAS.
ECX Error ellipse: s-maj=1.6km s-min=2.6km az=-1.0.

(268) Sulawesi

ISC	**III**	**23 11 01 36.2–.52**	**5.75S–.09**	**122.69E–.09**	**35**	**4.3b,3.6s**	**55**	**3-134**
IDC	III	23 11 01 30.9–.58	5.74S	122.77E	0	4.3,4.2		**¶12635382**
NEIC	III	23 11 01 32.4–.34	5.72S	122.74E	10	4.8b,4.2		
ISCJB	III	23 11 01 33.8–.35	5.78S–.07	122.74E–.07	33	4.3b,3.6s		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Baubau.
ISCJB Event type fe.

(710) Pakistan

ISC	**III**	**23 14 31 01.9–.45**	**31.49N–.05**	**70.04E–.05**	**10**	**4.2b,3.7s**	**129**	**2-86**
ISCJB	III	23 14 30 59.5–.32	31.46N–.03	70.09E–.04	10	4.1b,3.6s		**¶12612740**
IDC	III	23 14 31 00.3–.60	31.44N	69.99E	0	4.3,4.3L		
NEIC	III	23 14 31 01.7–4.9	31.46N	70.03E	9–30	4.4b,4.3L		
NNC	III	23 14 31 03.5–4.1	31.72N	69.96E	0	4.1b,4.3L		
MOS	III	23 14 31 04.2–1.4	31.59N	70.11E	39	4.4b,4.3L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.7km az=39.1.
IDC Error ellipse: s-maj=15.1km s-min=12.2km az=19.0.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=6.5km az=208.0. Felt in the Kolachi area.
NNC Error ellipse: s-maj=51.2km s-min=42.2km az=166.0.
MOS Error ellipse: s-maj=10.8km s-min=5.7km az=87.7.

(706) Northern Sumatera

ISC	**III**	**23 14 58 12.9–.35**	**5.33N–.04**	**94.29E–.04**	**59–2**	**4.9b,3.8s**	**617**	**1-150**
BJI	III	23 14 58 09.8	5.15N	94.37E	64	5.0b,4.9b		**¶15153381**
MOS	III	23 14 58 11.7–.75	5.54N	94.56E	56	5.2b,4.9b		
ISCJB	III	23 14 58 11.3–.54	5.39N–.03	94.36E–.03	53–4	4.9b,3.9s		
IDC	III	23 14 58 12.6–.54	5.41N	94.46E	52–4	4.4,4.4		
NEIC	III	23 14 58 12.3–.18	5.36N	94.38E	50	5.1b,4.4		
AUST	III	23 14 58 13.4–6.2	5.29N	94.35E	65–0	5.1b,4.4		
SZGRF	III	23 14 58 14.9	5.74N	94.89E	66	5.2b,4.4		
DJA	III	23 14 58 15.2–2.8	5N–6.0	95E–23	21–11	5.3b,5.1b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Banda Aceh.
SZGRF Northern Sumatera, Indonesia.

(256) Leyte

ISC	**III**	**23 16 36 02.9–1.0**	**10.97N–.03**	**124.94E–.04**	**10–7**	**3.9b,3.5s**	**53**	**0-94**
IDC	III	23 16 36 01.4–.89	10.95N	125.11E	0	3.9,3.8		**¶12635400**
ISCJB	III	23 16 36 03.6–.51	11.05N–.03	124.93E–.04	19–4	3.9b,3.4s		
MAN	III	23 16 36 03	11.05N	124.82E	3	4.4b,3.3L		
NEIC	III	23 16 36 06.8–.46	10.99N	125.05E	35	4.2b,3.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=46.7km s-min=15.5km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=5.1km az=3.7.
MAN Event type fe. INTENSITY II - TACLOBAN CITY.
NEIC Event type fe. Error ellipse: s-maj=27.2km s-min=7.8km az=67.0. Felt [II PIVS] at Tacloban.

(228) Near east coast of eastern Honshu

ISC	**III**	**23 19 53 36.8–1.8**	**37.22N–.04**	**141.92E–.05**	**12–11**	**3.7b**	**54**	**1-77**
NIED	III	23 19 53 00	37.30N	141.90E	35	3.9W		**¶12635411**
IDC	III	23 19 53 34.9–.72	37.15N	141.96E	0	3.9,3.9L		
ISCJB	III	23 19 53 36.8–1.1	37.18N–.03	141.96E–.05	27–7	3.6b,3.9L		
NEIC	III	23 19 53 39.4–3.7	37.15N	142.01E	32–28	4.2b,3.9L		
JMA	III	23 19 53 39.0–.20	37.25N	141.85E	39–4	4.2,3.9L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ85.00000°,λ-66.00000°. NP2:ϕ_s229.00000°,δ25.00000°,λ-167.00000°. $M_0$9.16000×10^{14}
IDC Error ellipse: s-maj=21.0km s-min=14.2km az=109.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.3km az=9.6.
NEIC Event type fe. Error ellipse: s-maj=15.7km s-min=10.7km az=103.0. Recorded [1 JMA] in Fukushima and Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(115) Near coast of Peru

ISC	**III**	**23 23 44 11.0–.73**	**13.44S–.08**	**76.27W–.09**	**55**	**3.8b**	**27**	**2-146**
NEIC	III	23 23 44 05.0	13.80S	76.85W	40	4.2		**¶12635430**
ISCJB	III	23 23 44 10.7–.77	13.36S–.08	76.15W–.09	55	3.8b		
IDC	III	23 23 44 11.1–1.0	13.45S	76.22W	47–5	3.9,3.7		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Pisco and [III] at Chincha Alta. After ARE.
ISCJB Event type fe. Error ellipse: s-maj=15.7km s-min=5.8km az=136.7.
IDC Error ellipse: s-maj=41.2km s-min=16.0km az=44.0.

(161) Off west coast of South Island

ISC	**III**	**24 00 53 10.1–1.4**	**45.17S–.03**	**167.02E–.05**	**18–9**	**3.9b**	**83**	**0-152**
IDC	III	24 00 53 07.2–.89	45.35S	167.04E	0	4.2L,4.1		**¶12635435**
ISCJB	III	24 00 53 10.0–.82	45.15S–.04	166.97E–.07	24–6	3.8b,3.5s		
NEIC	III	24 00 53 10.2	45.13S	166.91E	12	4.6L,3.5s		
WEL	III	24 00 53 12.4–.32	45.15S	167.11E	12	4.5L,3.5s		

ISC Event type fe.
IDC Error ellipse: s-maj=29.7km s-min=22.9km az=169.0.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=5.9km az=32.9.
NEIC Event type fe. Felt [IV] at Te Anau. Also felt at Invercargill. After WEL.
WEL Event type fe. Error ellipse: s-maj=2.9km s-min=1.3km az=90.0. Felt from Otago to Southland, maximum reported intensity MM 4.

(233) Near south coast of western Honshu

ISC	**III**	**24 03 21 13.9–1.1**	**34.15N–.03**	**135.07E–.02**	**5–8**	**3.5b**	**35**	**0-77**
NIED	III	24 03 21 00	34.20N	135.10E	5	3.6W		**¶12056209**
ISCJB	III	24 03 21 13.3–.56	34.14N–.03	135.06E–.03	12–4	3.6b		
IDC	III	24 03 21 13.1–.83	34.07N	135.01E	0	3.7,3.7		
JMA	III	24 03 21 13.5	34.15N	135.07E	10–1	3.5,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ49.00000°,λ105.00000°. NP2:ϕ_s345.00000°,δ43.00000°,λ74.00000°. $M_0$2.87000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.9km az=19.2.
IDC Error ellipse: s-maj=18.2km s-min=14.4km az=148.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s207.00000°,δ60.00000°,λ132.00000°. NP2:ϕ_s326.00000°,δ50.00000°,λ41.00000°. Principal axes: T Plg54.0000°,Azm171.0000°; N Plg35.0000°,Azm3.0000°; P Plg6.0000° ,Azm269.0000°

(706) Northern Sumatera

ISC	**III**	**24 04 35 43.6–.40**	**5.22N–.04**	**94.31E–.04**	**40–2**	**5.2b,4.4s**	**839**	**3-160**
IDC	III	24 04 35 37.8–.36	5.30N	94.28E	0	5.0,4.9		**¶15153396**
SZGRF	III	24 04 35 38.6	3.90N	94.11E	33	5.3b,4.9		
MOS	III	24 04 35 41.5–.87	5.36N	94.35E	34	5.5b,4.6s		
BJI	III	24 04 35 42.4	5.13N	94.27E	56	5.2b,5.0b		
ISCJB	III	24 04 35 42.2–.51	5.21N–.03	94.31E–.02	43–4	5.2b,4.4s		
AUST	III	24 04 35 42.1–2.7	5.22N	94.27E	27–0	5.2b,4.4s		
GCMT	III	24 04 35 44.8–.30	5.10N	94.11E	36–0	5.0W,4.4s		
DJA	III	24 04 35 44.9–.60	5N–4.0	94E–6.0	61–7	5.4b,5.3		
NEIC	III	24 04 35 45.8–.64	5.26N	94.31E	59–5	5.2b,5.3		

ISC Event type fe.
IDC Error ellipse: s-maj=11.4km s-min=9.4km az=32.0.
SZGRF Off west coast of northern Sumatera, Indonesia.
MOS Error ellipse: s-maj=8.4km s-min=4.0km az=121.7.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.4km az=31.9.
AUST Error ellipse: s-maj=1.8km s-min=0.9km az=230.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s46,c59; s68,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}4.27±.19 $M_{\theta\theta}$-1.39±.13; $M_{\phi\phi}$-2.88±.16; $M_{r\theta}$1.95±.13; $M_{\theta\phi}$1.95±.10; $M_{\phi r}$-0.75±.15; Best double couple: NP1:ϕ_s338.00000°,δ35.00000°,λ112.00000°. NP2:ϕ_s132.00000°,δ58.00000°,λ75.00000°. Principal axes: T 4.8800,Plg73.0000° ,Azm4.0000°; N -0.3100,Plg12.0000°,Azm140.0000°; P -4.5700,Plg11.0000°,Azm232.0000° $M_0$4.70000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.1km az=223.0. Felt at Banda Aceh.

(228) Near east coast of eastern Honshu

ISC	**III**	**24 06 17 36.9–1.0**	**39.63N–.04**	**142.15E–.09**	**48–8**	**3.7b**	**35**	**0-75**
NIED	III	24 06 17 00	39.60N	142.10E	68	4.1W		**¶12635449**
ISCJB	III	24 06 17 36.1–.75	39.63N–.04	142.2E–.10	55–5	3.9s,3.7b		
JMA	III	24 06 17 37.3	39.63N	142.11E	48–1	3.8,3.7b		
IDC	III	24 06 17 42.0–1.9	39.57N	141.97E	96–16	3.6,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ73.00000°,λ100.00000°. NP2:ϕ_s185.00000°,δ20.00000°,λ62.00000°. $M_0$1.34000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=13.4km s-min=5.9km az=5.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s27.00000°,δ65.00000°,λ83.00000°. NP2:ϕ_s223.00000°,δ26.00000°,λ105.00000°. Principal axes: T Plg69.0000°,Azm282.0000°; N Plg7.0000°,Azm30.0000°; P Plg20.0000° ,Azm122.0000°
IDC Error ellipse: s-maj=20.1km s-min=12.5km az=110.0.

(233) Near south coast of western Honshu

ISC	**III**	**24 06 49 26.1–.96**	**34.14N–.03**	**135.07E–.02**	**13–8**		**25**	**0-54**
ISCJB	III	24 06 49 25.8–.59	34.14N–.03	135.07E–.03	11–5	3.2b		**¶12635450**
JMA	III	24 06 49 26.0	34.15N	135.07E	10–1	3.3		
IDC	III	24 06 49 37.2–1.9	34.39N	134.90E	119–21	3.1,3.0		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.0km az=29.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s208.00000°,δ64.00000°,λ117.00000°. NP2:ϕ_s339.00000°,δ37.00000°,λ47.00000°. Principal axes: T Plg61.0000°,Azm160.0000°; N Plg24.0000°,Azm16.0000°; P Plg15.0000° ,Azm279.0000°
IDC Error ellipse: s-maj=26.8km s-min=19.2km az=24.0.

(69) Near coast of Chiapas

ISC	**III**	**24 10 52 29.2–.81**	**14.65N–.05**	**92.85W–.03**	**63–7**	**4.7b**	**556**	**1-147**
ISCJB	III	24 10 52 28.0–.36	14.61N–.03	92.86W–.02	62–3	4.7b		**¶12084354**
IDC	III	24 10 52 28.6–1.7	14.74N	92.72W	58–15	4.3,4.2		
NEIC	III	24 10 52 28.4–.53	14.54N	92.80W	56–4	4.7b,4.6		
BJI	III	24 10 52 28.4	14.60N	92.80W	69	5.3s,5.1b		
MEX	III	24 10 52 28.6–.36	14.56N	92.90W	8–7	4.6,5.1b		
CASC	III	24 10 52 29.3–1.4	14.34N	92.85W	69–46	5.0L,4.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=2.6km az=27.9.
IDC Error ellipse: s-maj=17.8km s-min=9.4km az=44.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=202.0. Felt at Tuxtla Gutierrez. Felt [II] at Quetzaltenango, Guatemala. Also felt at Antigua Guatemala, Atitlan, Guatemala, Olintepeque, San Pedro la Laguna and Santa Maria de Jesus.
MEX Error ellipse: s-maj=6.4km s-min=2.2km az=-1.0.
CASC Error ellipse: s-maj=20.3km s-min=10.7km az=-1.0.

(326) Southwestern Siberia

ISC	**III**	**24 11 08 17.0–.70**	**54.96N–.04**	**93.12E–.02**	**7–4**	**4.1b,3.6s**	**142**	**1-145**
NNC	III	24 11 08 01.9–4.3	55.31N	95.19E	0	4.4b,3.6s		**¶12600858**
BJI	III	24 11 08 15.9	55.07N	93.14E	16	4.4b,4.3s		
MOS	III	24 11 08 15.9–1.4	54.88N	93.16E	11	4.4b,4.3s		
IDC	III	24 11 08 16.5–.66	54.95N	93.11E	0	4.0,3.9		
ASRS	III	24 11 08 16.9–.63	54.79N	93.29E	15	4.2s,3.9		
NEIC	III	24 11 08 17.9–.33	54.94N	93.08E	10	4.5b,3.9		

ISC Event type fe.
NNC Error ellipse: s-maj=46.6km s-min=26.6km az=108.0.
MOS Event type fe. Error ellipse: s-maj=9.0km s-min=6.8km az=66.3. Felt (III-IV) at Krasnojarsk. Moment Tensor Solution.

IDC Error ellipse: s-maj=14.1km s-min=10.5km az=159.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.5km az=163.0. Felt at Krasnoyarsk.

(196) Irian Jaya region

ISC	**III**	**24 11 16 35.4–1.3**	**0.79S–.06**	**131.36E–.07**	**10–6**	**4.0b**	**38**	**0-79**
AUST	III	24 11 16 30.2	0.49S	131.50E	25	4.0b		¶15153407
ISCJB	III	24 11 16 32.5–1.3	0.68S–.05	131.47E–.06	7–7	3.9b		
IDC	III	24 11 16 33.9–1.3	0.77S	131.12E	0	3.9b,3.9		
DJA	III	24 11 16 37.0–.60	1S–5.0	131E–4.0	10	4.3,4.3		
NEIC	III	24 11 16 39.2–.76	0.86S	131.05E	35	3.9b,4.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=7.9km az=13.5.
IDC Error ellipse: s-maj=86.9km s-min=17.1km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=39.6km s-min=8.7km az=74.0. Felt [V] at Sorong.

(43) Southern California

ISC	**III**	**24 11 55 43.6–.85**	**33.29N–.01**	**115.73W–.02**	**9–5**	**4.3b,4.2s**	**267**	**0-119**
ISCJB	III	24 11 55 41.9–.32	33.32N–.01	115.68W–.01	10–2	4.2b,4.2s		¶12057583
BJI	III	24 11 55 43.0	33.30N	115.70W	15	5.4b,5.1s		
NEIC	III	24 11 55 43.0	33.32N	115.73W	6	4.8W,4.7W		
ECX	III	24 11 55 44.0–.81	33.31N	115.73W	15	4.9L,4.9W		
IDC	III	24 11 55 45.6–1.2	33.34N	115.38W	0	4.2,4.2s		
GCMT	III	24 11 55 46.2–.30	33.31N	115.66W	12	5.0W,4.2s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.7km az=0.4.
NEIC Event type fe. Felt [IV] at Niland; [III] at Mecca and Salton City; [II] at Alpine, Blythe, Borrego Springs, Carlsbad, Cathedral City, Chula Vista, El Cajon, Escondido, Hemet, Idyllwild, Imperial Beach, Indio, La Quinta, Lakeside, Oceanside, Palm Desert, Palm Springs, Poway, Ramona, Rancho Mirage, San Diego and Santee. Felt in much of Imperial, San Diego and Riverside Counties. Felt [II] at Parker, Arizona. Also felt at Ehrenberg, Lake Havasu City, Quartzsite and Yuma. After PAS. Moment Tensor Solution. $M_0$1.90000×10^{16} Moment Tensor Solution. $M_0$1.20000×10^{16}
ECX Error ellipse: s-maj=1.4km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=12.9km az=41.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s16,c21; s78,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.52±.11 $M_{\theta\theta}$-2.12±.10; $M_{\phi\phi}$2.64±.08; $M_{r\theta}$-0.20±.30; $M_{\theta\phi}$1.46±.10; $M_{\phi r}$-2.32±.27; Best double couple: NP1:ϕ_s246.00000°,δ57.00000°,λ6.00000°. NP2:ϕ_s153.00000°,δ85.00000°,λ147.00000°. Principal axes: T 4.1700,Plg26.0000° ,Azm104.0000°; N -1.4900,Plg57.0000°,Azm325.0000°; P -2.6800,Plg19.0000° ,Azm204.0000° $M_0$3.40000×10^{16}

(213) Volcano Islands region

ISC	**III**	**24 17 28 38.6–.33**	**25.56N–.03**	**141.05E–.04**	**181–2**	**4.6b**	**677**	**1-152**
BJI	III	24 17 28 35.6	25.47N	141.32E	185	4.9b,4.8b		¶12084356
MOS	III	24 17 28 37.6–1.0	25.50N	140.89E	187	4.6b,4.8b		
IDC	III	24 17 28 37.2–.52	25.53N	140.97E	170–4	4.4,4.4		
NEIC	III	24 17 28 37.7–.21	25.52N	141.01E	170	4.7b,4.4		
ISCJB	III	24 17 28 38.0–.46	25.68N–.03	140.91E–.02	173–3	4.5b,4.4		
JMA	III	24 17 28 39.6–.40	25.73N	140.38E	48	5.5,4.4		

ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=5.3km az=101.0.
IDC Error ellipse: s-maj=9.6km s-min=5.8km az=100.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.9km az=146.0. Recorded [1 JMA] in the Chichijima-retto and Haha-jima-retto.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.5km az=177.9.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.

(29) Washington

ISC	**III**	**24 21 40 36.4–3.6**	**47.90N–.04**	**121.77W–.04**	**13–27**		**22**	**1-3**
ISCJB	III	24 21 40 35.4–2.0	47.91N–.03	121.70W–.06	6–14			¶12058100
PGC	III	24 21 40 36.6–.01	47.83N	121.68W	29–0	2.3L		
PNSN	III	24 21 40 37.2	47.92N	121.68W	14	2.5		
NEIC	III	24 21 40 37.2	47.92N	121.68W	14	2.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.5km az=153.3.
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0. 54km Ene of Seattle, Wa Washington.
PNSN Moment Tensor Solution. NP1:ϕ_s30.00000°,δ40.00000° NP2:ϕ_s235.00000°,δ53.00000° Principal axes: T Plg76.0000°,Azm197.0000°; P Plg7.0000°,Azm314.0000°
NEIC Event type fe. Felt [II] at Gold Bar, Index and Sultan. Also felt at Baring, Bothell, Monroe and Startup. After SEA.

(192) New Britain region

ISC	**III**	**24 23 28 28.4–.15**	**5.22S–.03**	**151.87E–.03**	**49**	**5.6b,5.4s**	**1633**	**6-169**
BJI	III	24 23 28 22.7	5.32S	152.57E	42	5.6b,5.5s		¶15153412
MOS	III	24 23 28 26.3–.83	5.07S	151.82E	35	5.8b,5.3s		
ISCJB	III	24 23 28 27.1–.10	5.18S–.02	151.81E–.02	44	5.6b,5.3s		
NEIC	III	24 23 28 28.1–.08	5.14S	151.82E	43	5.8W,5.8W		
IDC	III	24 23 28 30.0–1.1	5.18S	151.80E	60–9	5.3,5.3		
AUST	III	24 23 28 29.2	5.18S	152.10E	60	5.3,5.3		
DJA	III	24 23 28 32.4–.50	5S–3.0	152E–3.0	82–5	6.4,6.1b		
GCMT	III	24 23 28 32.7–.10	5.45S	151.99E	46–0	5.8W,6.1b		

ISC Event type fe.
MOS Error ellipse: s-maj=6.6km s-min=5.3km az=91.1.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=163.9.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.8km az=141.0. Felt at Kokopo. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}6.58 $M_{\theta\theta}$-6.78 $M_{\phi\phi}$0.19 $M_{r\theta}$2.11 $M_{\theta\phi}$-1.44 $M_{\phi r}$0.63 Best double couple: NP1:ϕ_s77.00000° ,δ54.00000°,λ88.00000°. NP2:ϕ_s261.00000°,δ36.00000°,λ93.00000°. Principal axes: T 6.9300,Plg80.0000°,Azm336.0000°; N 0.4700,Plg1.0000°,Azm78.0000° ; P -7.4100,Plg8.0000°,Azm168.0000° $M_0$7.20000×10^{17}
IDC Error ellipse: s-maj=8.7km s-min=7.2km az=85.0.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=100, comp=213, per= 50. Moment Tensor Solution. s106,c215; s64,c82; Moment tensor: Scale 10^{17}Nm; M_{rr}5.52±.06 $M_{\theta\theta}$-5.90±.04; $M_{\phi\phi}$0.39±.05; $M_{r\theta}$1.44±.05; $M_{\theta\phi}$-1.83±.04; $M_{\phi r}$-0.72±.05; Best double couple: NP1:ϕ_s243.00000°,δ41.00000°,λ72.00000°. NP2:ϕ_s86.00000°,δ52.00000°,λ105.00000°. Principal axes: T 5.8700,Plg77.0000°,Azm50.0000°; N 0.6600,Plg12.0000°,Azm257.0000° ; P -6.5200,Plg6.0000°,Azm166.0000° $M_0$6.20000×10^{17}

(43) Southern California

ISC	**III**	**24 23 43 14.3–.97**	**33.28N–.02**	**115.76W–.02**	**10–8**		**83**	**0-4**
ISCJB	III	24 23 43 14.0–.38	33.27N–.01	115.74W–.02	2–3			¶12084358
ECX	III	24 23 43 15.0–.70	33.31N	115.76W	15	3.3L,3.1		
NEIC	III	24 23 43 15.3	33.31N	115.75W	6	3.2L,3.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.2km az=39.9.
ECX Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0.
NEIC Event type fe. Felt at Blythe, Bombay Beach, Cathedral City, Desert Center, El Cajon, Escondido, Indio, Lakeside, Palm Springs, Rancho Mirage, Salton City and San Diego. Also felt at Ehrenberg, Arizona. After PAS.

(228) Near east coast of eastern Honshu

ISC	**III**	**25 01 23 15.3–.79**	**38.30N–.04**	**141.89E–.06**	**52–6**	**4.1b**	**126**	**0-146**
NIED	III	25 01 23 00	38.30N	141.90E	41	4.1W		¶12635506
MOS	III	25 01 23 13.5–.88	38.30N	141.98E	54	4.3b		
ISCJB	III	25 01 23 13.6–.62	38.29N–.03	141.92E–.06	53–4	4.1b,4.0s		
JMA	III	25 01 23 14.2–.10	38.28N	141.91E	46–1	3.9,4.0s		
IDC	III	25 01 23 15.2–2.3	38.29N	141.87E	50–20	3.9,3.9		
NEIC	III	25 01 23 15.7–.70	38.28N	141.88E	56–6	4.3b,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ71.00000°,λ99.00000°. NP2:ϕ_s186.00000°,δ21.00000°,λ66.00000°. $M_0$1.48000×10^{15}
MOS Error ellipse: s-maj=10.6km s-min=6.5km az=91.2.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=4.5km az=24.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=15.4km s-min=12.6km az=123.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.3km az=132.0.

(97) Near coast of Venezuela

ISC	**III**	**25 01 42 10.1–.37**	**10.94N–.03**	**62.32W–.03**	**100–3**	**4.4b**	**557**	**0-162**
ISCJB	III	25 01 42 08.6–.17	10.98N–.02	62.33W–.02	102–1	4.4b		¶13437223
BJI	III	25 01 42 09.8	11.24N	62.70W	108	5.1b		
IDC	III	25 01 42 10.9–.53	11.01N	62.41W	102–4	4.1,4.1		
TRN	III	25 01 42 10.6	10.95N	62.12W	111	4.0,4.1		
FUNV	III	25 01 42 11.6	10.82N	62.24W	83	4.4W,4.1		
NEIC	III	25 01 42 12.0	10.79N	62.26W	82	4.6b,4.3W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=38.6.
IDC Error ellipse: s-maj=9.8km s-min=8.5km az=87.0.
NEIC Event type fe. Felt at Puerto La Cruz. Felt [II] at Mucurapo and Port-of-Spain, Trinidad. Also felt at Arima, Chaguanas, Diego Martin and Saint Joseph. Felt at Saint David and Saint George's, Grenada. After CAR.

(259) Mindanao

ISC	**III**	**25 03 13 06.1–.35**	**9.64N–.03**	**126.15E–.05**	**79–2**	**4.6b**	**235**	**1-146**
MOS	III	25 03 12 59.2–1.1	9.64N	126.05E	33	4.8b		¶15153415
MAN	III	25 03 13 02	9.63N	126.36E	35	5.4b,4.6s		
IDC	III	25 03 13 04.7–2.4	9.66N	126.16E	66–22	4.3,4.3		
ISCJB	III	25 03 13 04.1–.50	9.63N–.03	126.22E–.04	78–4	4.5b,4.3		
NEIC	III	25 03 13 06.5–.99	9.59N	126.07E	84–9	4.6b,4.3		
DJA	III	25 03 13 11.8–1.1	10N–7.0	127E–9.0	114–9	5.2b,4.8		
AUST	III	25 03 14 36.1	3.50N	126.00E	600	5.2b,4.8		

ISC Event type fe.
MOS Error ellipse: s-maj=14.7km s-min=6.5km az=110.7.
MAN Event type fe. INTENSITY III - SOCORRO SURIGAO DEL NORTE; INTENSITY II - SURIGAO CITY; DAPA SIARGO ISLAND; LIBJO DINAGAT PROVINCE.
IDC Error ellipse: s-maj=16.4km s-min=8.8km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.0km az=158.7.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=5.4km az=75.0. Felt [III PIVS] at Socorro and [II PIVS] at Dapa, Libjo and Surigao.

(572) Lake Tanganyika region

ISC	**III**	**25 05 03 21.6–.48**	**2.59S–.05**	**29.49E–.09**	**10**	**4.0b,3.4s**	**53**	**2-134**
ISCJB	III	25 05 03 20.2–.45	2.48S–.06	29.49E–.08	10	4.0b,3.4s		¶13437237
IDC	III	25 05 03 21.2–.69	2.41S	29.46E	0	5.3L,4.2		
NEIC	III	25 05 03 22.4–.38	2.47S	29.52E	10	4.0b,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.3km s-min=6.8km az=32.4.
IDC Error ellipse: s-maj=21.6km s-min=11.3km az=121.0.
NEIC Event type fe. Error ellipse: s-maj=11.7km s-min=7.8km az=110.0. Felt at Kigali.

(43) Southern California

ISC	**III**	**25 05 50 54.7–.99**	**33.25N–.03**	**115.73W–.03**	**12–9**		**36**	**0-12**
ISCJB	III	25 05 50 54.7–.54	33.24N–.03	115.73W–.04	1–5			¶14269759
ECX	III	25 05 50 55.8–.69	33.29N	115.71W	15	3.2L,3.0		
NEIC	III	25 05 50 55.8	33.29N	115.72W	5	3.0L,3.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.2km az=175.2.
ECX Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0.
NEIC Event type fe. Felt at Bombay Beach and in the Salton Sea area. After PAS.

(228) Near east coast of eastern Honshu

ISC	**III**	**25 06 26 15.9–.88**	**35.98N–.04**	**139.96E–.04**	**45–8**	**4.0b**	**55**	**0-92**
NIED	III	25 06 26 00	36.10N	140.00E	50	4.0W		¶12058110
NEIC	III	25 06 26 06.2–1.3	36.03N	140.76E	10	4.3b		
ISCJB	III	25 06 26 15.1–.39	35.98N–.03	139.96E–.04	56–3	4.0b		
JMA	III	25 06 26 16.1–.10	36.02N	139.95E	44–1	4.0		
IDC	III	25 06 26 17.6–1.3	35.89N	139.93E	62–12	3.8,3.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ76.00000°,λ78.00000°. NP2:ϕ_s265.00000°,δ18.00000°,λ130.00000°. $M_0$1.22000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=25.6km s-min=6.7km az=127.0. Recorded [3 JMA] in Ibaraki; [2 JMA] in Chiba, Saitama and Tochigi; [1 JMA] in Fukushima, Gumma, Kanagawa and Tokyo.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.7km az=20.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s42.00000°,δ72.00000°,λ85.00000°. NP2: ϕ_s237.00000°,δ19.00000°,λ104.00000°. Principal axes: T Plg63.0000°,Azm305.0000° ; N Plg4.0000°,Azm44.0000°; P Plg27.0000°,Azm136.0000°
IDC Error ellipse: s-maj=15.6km s-min=6.8km az=66.0.

(227) Eastern Honshu

JMA	**III**	**25 06 26 56.8**	**39.09N**	**140.95E**	**7–1**	**2.9**		
								¶16414500

JMA Event type fe.

(43) Southern California

ISC	**III**	**25 07 51 21.9–1.0**	**33.24N–.02**	**115.73W–.02**	**12–9**		**79**	**0-8**
ISCJB	III	25 07 51 22.0–.38	33.26N–.02	115.73W–.02	9–3			¶14269761
ECX	III	25 07 51 23.3–.77	33.28N	115.74W	15–4	3.7L,3.6		
NEIC	III	25 07 51 23.0	33.29N	115.72W	4	3.6W,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.4km az=155.3.
ECX Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0.
NEIC Event type fe. Felt at Palm Springs. After PAS. Moment Tensor Solution. $M_0$3.20000×10^{14}

(235) Kyushu

JMA	**III**	**25 10 46 09.0**	**32.54N**	**130.95E**	**12**	**3.5**		
								¶15556137

JMA Event type fe.

(391) Albania

ISC	**III**	**25 12 23 23.4–.41**	**40.29N–.01**	**19.63E–.02**	**14–2**	**4.4s,4.2b**	**800**	**0-123**
BJI	III	25 12 23 19.0	40.30N	19.70E	10	4.9b,4.8b		¶12058425
IDC	III	25 12 23 21.5–.63	40.39N	19.70E	0	4.4L,4.2		
SKO	III	25 12 23 22.6	40.03N	19.70E	0	4.0L,3.5		
TIR	III	25 12 23 23.6	40.22N	19.56E	28	4.4L,3.5		
LDG	III	25 12 23 23.6–.09	40.37N	19.59E	10	4.3L,3.5		
MOS	III	25 12 23 23.9–1.1	40.31N	19.40E	33	4.3b,3.5		
PDG	III	25 12 23 24.4–.94	40.36N	19.66E	18–2	3.9L,3.5		
ATH	III	25 12 23 24.4	40.26N	19.57E	26–1	4.3L,3.8		
ROM	III	25 12 23 25.9–.17	40.25N	19.65E	31–3	4.3L,3.8		
PRU	III	25 12 23 25.9	40.38N	19.57E	8	4.5,3.8		
CSEM	III	25 12 23 25.6–.07	40.34N	19.61E	20	3.8s,3.7		
THE	III	25 12 23 25.5	40.31N	19.64E	11–1	4.4L,3.7		
NEIC	III	25 12 23 25.5	40.31N	19.64E	11	4.5b,4.3L		
BEO	III	25 12 23 26.0–.69	40.23N	19.51E		3.9L,4.3L		
VIE	III	25 12 23 27.9–.28	40.66N	19.52E	10	3.8s,3.8b		
SOF	III	25 12 23 32.8	40.73N	20.48E	2	3.7,3.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.1km s-min=11.3km az=66.0.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=28.0.
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=91.7.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=90.0.
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=88.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=32.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=258.0.
NEIC Event type fe. Felt at Berat, Elbasan and Orikum. After THE.
BEO Event type ke.
VIE Error ellipse: s-maj=4.3km s-min=1.7km az=37.0.

(249) Luzon

ISC	**III**	**25 15 02 36.7–1.9**	**12.67N–.04**	**123.56E–.04**	**14–14**	**3.2b**	**26**	**0-49**
IDC	III	25 15 02 33.9–1.5	12.73N	124.02E	0	3.3,3.2		¶12635569
ISCJB	III	25 15 02 36.1–1.0	12.71N–.04	123.61E–.05	14–7	3.2b,3.2		
MAN	III	25 15 02 36	12.68N	123.57E	8	4.4b,3.2L		

ISC Event type fe.
IDC Error ellipse: s-maj=162.9km s-min=20.9km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=5.7km az=147.7.
MAN Event type fe. INTENSITY II - MASBATE CITY; INTENSITY I - LEGASPI CITY.

(43) Southern California

ISC	**III**	**25 19 59 42.9–1.0**	**33.26N–.02**	**115.74W–.02**	**10–9**		**83**	**0-7**
ISCJB	III	25 19 59 43.0–.38	33.27N–.01	115.73W–.02	8–3			¶14269767
ECX	III	25 19 59 44.6–.62	33.27N	115.75W	15	3.8L,3.6		
NEIC	III	25 19 59 44.1	33.29N	115.72W	6	3.7L,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.4km az=27.7.
ECX Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0.
NEIC Event type fe. Felt at Aliso Viejo, Bombay Beach, Cathedral City, Chula Vista, Corona, Fallbrook, Indio, La Quinta, Rancho Mirage, San Diego and San Jacinto. After PAS.

(43) Southern California

ISC	**III**	**26 03 25 20.8–.98**	**33.28N–.02**	**115.71W–.01**	**9–8**		**135**	**0-15**
ISCJB	III	26 03 25 19.9–.30	33.28N–.01	115.70W–.02	6–2			¶12061008
NEIC	III	26 03 25 21.2	33.29N	115.72W	7	3.9W		
ECX	III	26 03 25 22.1–.69	33.29N	115.74W	15	4.1L,4.0		
IDC	III	26 03 25 26.9–2.3	33.46N	115.05W	0	3.8,3.5		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=42.6.
NEIC Event type fe. Felt [II] at Blythe and Salton City. Also felt at Desert Center, Desert Hot Springs, Fallbrook, Indian Wells, Indio, Mecca, Niland, Palm Desert, Palm Springs and San Diego. Felt at Cibola, Ehrenberg and San Luis, Arizona. After PAS. Moment Tensor Solution. $M_0$9.20000×10^{14}
ECX Error ellipse: s-maj=1.4km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=37.6km s-min=12.1km az=44.0.

(314) Southern India

ISC	**III**	**26 04 44 11.0–.59**	**22.41N–.04**	**85.87E–.05**	**10**	**3.9b**	**63**	**2-80**
ISCJB	III	26 04 44 09.5–.41	22.41N–.03	85.81E–.04	10	3.8b		¶12612760
IDC	III	26 04 44 09.4–.98	22.36N	85.85E	0	3.9,3.7b		
DMN	III	26 04 44 11.0–.62	22.18N	85.96E	10	5.1L,3.7b		
NEIC	III	26 04 44 11.7–.89	22.40N	85.90E	10	4.1b,3.7b		
NDI	III	26 04 44 13.0–17	22.49N	85.77E	10	4.2L,4.1b		

ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=6.0km s-min=4.0km az=26.9.
IDC Error ellipse: s-maj=36.4km s-min=20.3km az=60.0.
DMN Event type ke. Error ellipse: s-maj=14.4km s-min=9.7km az=138.0.
NEIC Event type de. Error ellipse: s-maj=12.0km s-min=10.8km az=97.0. Five people injured and buildings damaged at Chaibasa. Felt at Bahalda, Itwari, Jamshedpur, Kharsawan, Rajnagar and Saraikela.
NDI Error ellipse: s-maj=49.3km s-min=41.4km az=-1.0.

(162) South Island

ISC	**III**	**26 08 34 04.0–.68**	**45.05S–.05**	**167.55E–.06**	**106–5**	**3.8b**	**98**	**0-152**
ISCJB	III	26 08 34 03.0–.45	45.00S–.05	167.64E–.08	107–4	3.8b		¶12635626
NEIC	III	26 08 34 04.2	45.06S	167.42E	97	4.7L		
WEL	III	26 08 34 04.2–.16	45.06S	167.42E	97–1	4.7L		
IDC	III	26 08 34 06.2–2.2	44.77S	167.79E	125–21	3.5,3.3b		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.9km az=37.9.
NEIC Event type se. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.5km s-min=1.0km az=90.0. Felt from Otago to Southland, maximum reported intensity MM 4.
IDC Error ellipse: s-maj=23.5km s-min=20.6km az=38.0.

(248) Philippine Islands region

ISC	**III**	**26 10 41 38.5–.83**	**20.84N–.04**	**121.85E–.05**	**107–8**	**4.4b**	**110**	**2-86**
BJI	III	26 10 41 18.0	20.21N	122.64E	5	4.5b,4.3b		¶12635631
DJA	III	26 10 41 31.6–.60	21N–6.0	124E–11	10	5.8b,5.3		
ISCJB	III	26 10 41 36.9–.34	20.83N–.02	121.89E–.04	107–4	4.5b,5.3		
NEIC	III	26 10 41 37.9–.67	20.84N	121.95E	102–7	4.4b,5.3		
JMA	III	26 10 41 38.8–.40	20.94N	121.92E	141	3.9,5.3		
IDC	III	26 10 41 40.9–2.1	20.82N	121.92E	130–20	4.1,4.0		
MAN	III	26 10 41 41	20.59N	121.74E	73	5.2b,4.3s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.6km az=7.9.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=6.7km az=75.0. Felt [III PIVS] at Basco.
JMA Error ellipse: s-maj=4.4km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=17.5km s-min=9.4km az=76.0.
MAN Event type fe. INTENSITY III - BASCO BATANES.

(159) North Island

WEL	**III**	**26 16 17 05.8–.07**	**37.82S**	**176.68E**	**5**	**3.6L**		
								¶12791347

WEL Event type fe. Error ellipse: s-maj=0.6km s-min=0.4km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.

(109) Near coast of northern Peru

ISC	**III**	**26 17 35 14.2–.92**	**5.78S–.04**	**81.41W–.04**	**8–5**	**5.5b,5.5s**	**1071**	**3-178**
ISCJB	III	26 17 35 11.5–1.4	5.68S–.03	81.43W–.03	1–8	5.5s,5.5b		¶12062029
IDC	III	26 17 35 13.6–.42	5.55S	81.34W	0	5.5,5.4		
NEIC	III	26 17 35 14.3–.17	5.72S	81.34W	10	5.8W,5.7W		
BJI	III	26 17 35 15.3	5.70S	81.40W	7	5.8s,5.8b		
MOS	III	26 17 35 16.5–1.1	5.63S	81.38W	33	5.8b,5.4s		
GCMT	III	26 17 35 18.1–.10	5.90S	81.70W	13–0	5.8W,5.4s		
DJA	III	26 17 35 25.7–5.6	8S–16	81W–15	10	5.6,5.6b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Paita. Moment Tensor Solution. s70 Moment tensor: Scale 10^{17}Nm; M_{rr}1.94 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$-1.56 $M_{r\theta}$1.49 $M_{\theta\phi}$0.19 $M_{\phi r}$-4.21 Best double couple: NP1:ϕ_s355.00000°,δ11.00000°,λ103.00000°. NP2:ϕ_s161.00000°,δ79.00000°,λ87.00000°. Principal axes: T 4.9900,Plg55.0000°,Azm68.0000°; N -0.3900,Plg2.0000°,Azm161.0000°; P -4.6100,Plg34.0000°,Azm253.0000° $M_0$4.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=229, per= 50. Moment Tensor Solution. s97,c190; s70,c72; Moment tensor: Scale 10^{17}Nm; M_{rr}3.26±.05 $M_{\theta\theta}$-0.15±.03; $M_{\phi\phi}$-3.12±.04; $M_{r\theta}$1.28±.09; $M_{\theta\phi}$0.22±.03; $M_{\phi r}$-6.01±.23; Best double couple: NP1:ϕ_s2.00000°,δ14.00000°,λ102.00000°. NP2:ϕ_s169.00000°,δ76.00000°,λ87.00000°. Principal axes: T 7.0100,Plg59.0000°,Azm75.0000°; N -0.1700,Plg3.0000°,Azm170.0000°; P -6.8400,Plg31.0000°,Azm261.0000° $M_0$6.90000×10^{17}

(122) Near coast of northern Chile

ISC	**III**	**26 18 16 30.0–.42**	**25.68S–.04**	**70.58W–.08**	**41–3**	**4.5b**	**383**	**2-168**
ISCJB	III	26 18 16 25.7–1.7	25.66S–.03	70.51W–.07	15–12	5.3s,4.5b		¶12635645
GUC	III	26 18 16 27.9–.75	25.72S	70.03W	92–22	4.8L,4.5b		
IDC	III	26 18 16 30.5–.49	25.67S	70.54W	42–3	5.2s,5.2		
NEIC	III	26 18 16 30.2–.19	25.70S	70.45W	42	4.7b,5.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=4.4km az=177.6.
GUC Error ellipse: s-maj=1.7km s-min=59.8km az=-1.0.
IDC Error ellipse: s-maj=18.2km s-min=11.6km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.0km az=83.0. Felt [III] at Chanaral, Copiapo, Diego de Almagro and El Salvador.

(234) Northwest of Ryukyu Islands

ISC	**III**	**26 19 19 58.6–.14**	**27.40N–.02**	**126.82E–.02**	**152**	**5.6b**	**1971**	**1-167**
NIED	III	26 19 19 00	27.50N	126.80E	150	5.9W		¶13437384
SZGRF	III	26 19 19 41.0	26.93N	128.03E	33	6.2b,5.1s		
BJI	III	26 19 19 51.2	27.01N	127.28E	135	6.0b,5.8b		
MOS	III	26 19 19 53.5–.94	27.45N	126.71E	117	5.8b,4.9s		
DJA	III	26 19 19 57.8–1.0	27N–5.0	127E–4.0	144–9	6.1,6.0b		
TEH	III	26 19 19 57.0	27.43N	126.77E	138	6.0L,6.0b		
IDC	III	26 19 19 58.6–.38	27.43N	126.87E	151–3	5.3,5.3		
BGS	III	26 19 19 58.4–2.3	27.42N	126.70E	160	5.2b,5.3		
ISCJB	III	26 19 19 58.7–.07	27.36N–.01	126.59E–.02	161	5.5b,5.3		
JMA	III	26 19 19 58.2–.20	27.47N	126.81E	139	5.6,5.3		
NEIC	III	26 19 19 59.6–.10	27.42N	126.70E	160	5.9W,5.9W		
GCMT	III	26 19 20 00.6–.10	27.32N	126.93E	161–0	5.9W,5.9W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ73.00000°,λ-57.00000°. NP2:ϕ_s126.00000°,δ37.00000°,λ-151.00000°. $M_0$7.58000×10^{17}
SZGRF Ryukyu Islands, Japan.
MOS Error ellipse: s-maj=6.1km s-min=3.6km az=112.4.
IDC Error ellipse: s-maj=7.7km s-min=5.7km az=60.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=41.5.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=3.1km az=147.0. Recorded [2 JMA] on Amami-oshima, Iheya-shima, Kume-jima, Okinawa, Okino-erabu-shima, Tokuno-shima, Tonaki-jima, Uke-jima, Yoro-jima and Yoron-jima; [1 JMA] on Aguni-jima, Ie-jima, Izena-shima, Kakeroma-jima and Kikaiga-shima. Moment Tensor Solution. s32 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s131.00000°,δ49.00000°,λ-152.00000°. NP2:ϕ_s22.00000°,δ69.00000°,λ-44.00000°. Principal axes: T 1.0600,Plg11.0000°,Azm80.0000°; N -0.1100,Plg41.0000°,Azm181.0000°; P -0.9500,Plg45.0000°,Azm338.0000° $M_0$1.00000×10^{18} Moment Tensor Solution. $M_0$7.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=123, comp=276, per= 50. Moment Tensor Solution. s109,c231; s69,c78; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.79±.06 $M_{\theta\theta}$-1.19±.06; $M_{\phi\phi}$4.98±.07; $M_{r\theta}$-2.48±.04; $M_{\theta\phi}$-2.87±.06; $M_{\phi r}$-4.76±.05; Best double couple: NP1:ϕ_s127.00000°,δ37.00000°,λ-149.00000°. NP2:ϕ_s11.00000°,δ72.00000°,λ-57.00000°. Principal axes: T 7.4100,Plg20.0000°,Azm77.0000°; N 0.3100,Plg31.0000°,Azm180.0000°; P -7.7200,Plg52.0000°,Azm320.0000° $M_0$7.60000×10^{17}

(160) Off east coast of North Island

WEL	**III**	**26 21 36 00.1–.24**	**38.34S**	**178.19E**	**41–2**	**4.2L**		
NEIC	III	26 21 35 59.8	38.32S	178.32E	50	4.3L		¶12791348

WEL Event type fe. Error ellipse: s-maj=2.3km s-min=1.3km az=90.0. Felt from Bay of Plenty to Gisborne, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] at Whataupoko and [III] at Mangapapa. Also felt at Gisborne, Matawhero, Te Hapara and Waipaoa. After WEL.

(160) Off east coast of North Island

WEL	**III**	**27 01 56 29.9–.20**	**38.94S**	**178.53E**	**39–4**	**4.3L**		
								¶12086154

WEL Event type fe. Error ellipse: s-maj=2.4km s-min=0.8km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.

(18) Southern Yukon Territory

ISC	**III**	**27 02 58 38.9–.45**	**61.03N–.03**	**138.42W–.03**	**10–2**	**5.1b,4.4s**	**1135**	**0-146**
BJI	III	27 02 58 34.3	61.00N	138.40W	5	5.2s,5.2b		¶13567810
IDC	III	27 02 58 37.4–.38	61.04N	138.54W	0	4.8,4.7		
NEIC	III	27 02 58 39.0	61.01N	138.41W	1	5.1b,5.1L		
MOS	III	27 02 58 38.7–.79	61.10N	138.64W	17	5.3b,4.4s		
ISCJB	III	27 02 58 38.0–.07	61.08N–.01	138.52W–.02	12	5.0b,4.5s		
PGC	III	27 02 58 39.0–3.7	61.01N	138.41W	1	5.0L,4.9W		
GCMT	III	27 02 58 43.3–.20	61.07N	138.55W	20–0	5.0W,4.9W		
SZGRF	III	27 02 58 49.9	62.03N	139.00W	33	5.3b,4.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=10.4km s-min=6.8km az=35.0.
NEIC Event type fe. Felt at Burwash Landing, Haines Junction, Marsh Lake and Whitehorse. After PGC. Moment Tensor Solution. $M_0$3.20000×10^{16} Moment Tensor Solution. $M_0$2.30000×10^{16}
MOS Error ellipse: s-maj=8.5km s-min=3.6km az=94.7.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.2km az=35.7.
PGC Event type fe. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 56km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada Felt (I-II) at Whitehorse and Haines Junction, Yt.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c65; s75,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}3.65±.17 $M_{\theta\theta}$-2.70±.11; $M_{\phi\phi}$-0.95±.12; $M_{r\theta}$-2.50±.20; $M_{\theta\phi}$1.65±.07; $M_{\phi r}$1.01±.22; Best double couple: NP1:ϕ_s126.00000°,δ27.00000°,λ100.00000°. NP2:ϕ_s296.00000°,δ63.00000°,λ85.00000°. Principal axes: T 4.5500,Plg71.0000°,Azm195.0000°; N 0.0100,Plg4.0000°,Azm298.0000°; P -4.5600,Plg18.0000°,Azm29.0000° $M_0$4.60000×10^{16}
SZGRF Southern Yukon Territory, Canada.

(35) Near coast of northern California

ISC	**III**	**27 08 32 35.7–1.8**	**40.75N–.05**	**124.36W–.09**	**24–13**		**54**	**0-23**
IDC	III	27 08 32 32.6–2.9	40.81N	124.34W	0	3.5,3.4L		¶12062361
ISCJB	III	27 08 32 34.4–1.4	40.78N–.04	124.4W–.10	29–8	3.0b,3.4L		
NEIC	III	27 08 32 35.5	40.76N	124.40W	19	3.7W,3.4L		

ISC Event type fe.
IDC Error ellipse: s-maj=33.4km s-min=16.7km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=14.0km s-min=5.8km az=174.7.
NEIC Event type fe. Felt [II] at Arcata, Eureka and McKinleyville. Also felt at Bayside, Blue Lake, Ferndale, Fields Landing, Fortuna, Redway and Trinidad. After NCEDC. Moment Tensor Solution. $M_0$4.80000×10^{14}

(43) Southern California

ISC	**III**	**27 13 15 06.7–1.1**	**33.32N–.03**	**115.75W–.04**	**6–11**		**21**	**0-6**
ECX	III	27 13 15 07.7–.69	33.29N	115.69W	4	2.9L		¶14269780
NEIC	III	27 13 15 17.6–.85	33.03N	116.63W	10	2.8L		

ISC Event type fe.
ECX Error ellipse: s-maj=1.3km s-min=2.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=16.7km s-min=9.4km az=95.0. Felt at Bombay Beach.

(227) Eastern Honshu

ISC	**III**	**27 16 23 16.9–.66**	**36.41N–.05**	**139.31E–.06**	**140–5**	**4.2b**	**125**	**0-148**
NIED	III	27 16 23 00	36.40N	139.30E	135	4.1W		¶12062609
ISCJB	III	27 16 23 15.5–.35	36.41N–.04	139.36E–.06	143–2	4.2b		
NEIC	III	27 16 23 17.0–1.1	36.66N	139.37E	136–8	4.5b,4.1W		
MOS	III	27 16 23 16.3–.87	36.58N	139.21E	141	4.5b,4.1W		
IDC	III	27 16 23 17.4–.65	36.34N	139.14E	141–4	3.8,3.8		
JMA	III	27 16 23 17.5–.10	36.36N	139.34E	133–1	3.7,3.8		
BJI	III	27 16 23 20.8	37.37N	137.55E	54	4.8b,4.5s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ61.00000°,λ133.00000°. NP2:ϕ_s87.00000°,δ51.00000°,λ39.00000°. $M_0$1.83000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=6.1km az=1.3.
NEIC Event type fe. Error ellipse: s-maj=23.5km s-min=9.2km az=122.0. Recorded [1 JMA] in Gumma, Kanagawa, Saitama, Tochigi, Tokyo and Yamanashi. Moment Tensor Solution. $M_0$1.80000×10^{15}
MOS Error ellipse: s-maj=12.8km s-min=7.8km az=120.2.
IDC Error ellipse: s-maj=16.1km s-min=7.6km az=71.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s331.00000°,δ61.00000°,λ139.00000°. NP2: ϕ_s83.00000°,δ55.00000°,λ36.00000°. Principal axes: T Plg48.0000°,Azm294.0000°; N Plg42.0000°,Azm122.0000°; P Plg4.0000°,Azm28.0000°

(162) South Island

ISC	**III**	**27 16 46 41.3–.99**	**44.28S–.03**	**169.99E–.03**	**10–7**	**4.0b,3.7s**	**85**	**0-153**
ISCJB	III	27 16 46 41.2–.38	44.27S–.03	170.05E–.04	25–4	3.9b,3.6s		¶15153434
WEL	III	27 16 46 41.9–.07	44.26S	169.99E	14–1	4.8L,3.6s		
IDC	III	27 16 46 42.2–.64	43.58S	169.85E	0	4.0,3.9b		
NEIC	III	27 16 46 42.1	44.26S	169.99E	14	4.9L,4.3b		
AUST	III	27 16 46 45.0–4.2	44.46S	170.03E	29–0	4.9L,4.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.1km az=141.5.
WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.5km az=90.0. Felt between West Coast, Otago and Canterbury, maximum reported intensity MM. 5.
IDC Error ellipse: s-maj=26.2km s-min=9.1km az=11.0.
NEIC Event type fe. Felt [V] at Twizel and [IV] at Cromwell, Dunedin, Queenstown and Wanaka. Felt widely in the central part of the South Island. After WEL.
AUST Error ellipse: s-maj=2.3km s-min=0.9km az=314.0.

(123) Northern Chile

ISC	**III**	**27 17 26 43.0–.19**	**19.17S–.03**	**69.43W–.04**	**116**	**5.3b**	**1132**	**0-179**
MOS	III	27 17 26 41.2–1.1	18.93S	69.18W	106	5.6b		¶12062614
SZGRF	III	27 17 26 41.1	18.66S	68.91W	33	5.5b,4.6s		
ISCJB	III	27 17 26 41.8–.13	19.05S–.02	69.31W–.03	115	5.3b,4.6s		
NEIC	III	27 17 26 42.9–.16	19.08S	69.21W	115	5.4b,4.6s		
GUC	III	27 17 26 42.9–.86	19.21S	69.56W	115–5	5.7L,4.6s		
IDC	III	27 17 26 43.8–.43	19.07S	69.34W	118–3	4.9,4.8		
LDG	III	27 17 26 43.2–.34	18.61S	69.26W	120	5.3b,4.2s		
BJI	III	27 17 26 45.3	19.00S	69.20W	114	5.3b,4.2s		
GCMT	III	27 17 26 46.2–.20	19.27S	69.70W	132–1	5.4W,4.2s		

ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=6.2km az=106.5.
SZGRF Chile-Bolivia border region.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=154.8.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.1km az=71.0. Felt [IV] at Pica; [III] at Alto Hospicio, Camina, Colchane, Huara, Iquique and Pozo Almonte; [II] at Arica, Pisagua and Putre. Felt [II] at Tacna, Peru.
GUC Error ellipse: s-maj=3.2km s-min=7.9km az=-1.0.
IDC Error ellipse: s-maj=11.9km s-min=10.2km az=37.0.
LDG Event type ke. Error ellipse: s-maj=20.4km s-min=11.1km az=39.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s80,c130; s93,c156; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.63±.03 $M_{\theta\theta}$-0.16±.03; $M_{\phi\phi}$0.78±.04; $M_{r\theta}$0.03±.02; $M_{\theta\phi}$-0.02±.03; $M_{\phi r}$-1.43±.02; Best double couple: NP1:ϕ_s179.00000°,δ13.00000°,λ-90.00000°. NP2:ϕ_s359.00000°,δ77.00000°,λ-90.00000°. Principal axes: T 1.6700,Plg32.0000°,Azm89.0000°; N -0.1600,Plg0.0000°,Azm359.0000°; P -1.5200,Plg58.0000°,Azm269.0000° $M_0$1.60000×10^{17}

(235) Kyushu

ISC	**III**	**28 03 27 35.2–.50**	**33.57N–.04**	**131.84E–.04**	**90–3**	**3.8b**	**57**	**0-86**
NIED	III	28 03 27 00	33.60N	131.80E	92	4.0W		¶13437491
ISCJB	III	28 03 27 34.0–.32	33.56N–.04	131.81E–.05	94–2	3.7b		
IDC	III	28 03 27 35.7–.47	33.56N	131.67E	92–4	3.7,3.6		
JMA	III	28 03 27 35.7	33.59N	131.83E	83–1	3.9,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ81.00000°,λ81.00000°. NP2:ϕ_s249.00000°,δ13.00000°,λ135.00000°. $M_0$1.30000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=6.2km az=146.1.
IDC Error ellipse: s-maj=11.9km s-min=8.6km az=129.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s32.00000°,δ74.00000°,λ78.00000°. NP2:ϕ_s250.00000°,δ20.00000°,λ126.00000°. Principal axes: T Plg59.0000°,Azm286.0000°; N Plg11.0000°,Azm36.0000°; P Plg28.0000°,Azm132.0000°

(382) Adriatic Sea

ISC	**III**	**28 09 04 04.7–.96**	**42.16N–.02**	**16.61E–.02**	**15–7**	**3.4b**	**655**	**1-90**

ROM	III	28 09 04 03.6–.17	42.19N	16.68E	10	3.9L	¶13437504
IDC	III	28 09 04 04.7–1.0	42.29N	16.13E	0	3.6,3.6L	
NEIC	III	28 09 04 05.2–.26	42.15N	16.57E	10	4.0L,3.9L	
CSEM	III	28 09 04 05.2–.06	42.14N	16.50E	10	4.0L,4.0s	
BEO	III	28 09 04 05.1–.99	42.08N	16.59E	0	3.6L,4.0s	
VIE	III	28 09 04 05.8–.52	42.23N	16.53E	10	4.0s,3.6b	
PDG	III	28 09 04 05.0–.40	42.14N	16.49E	18–1	3.6L,3.6b	
LDG	III	28 09 04 06.2	42.21N	16.63E	30	3.6L,3.6b	
PRU	III	28 09 04 07.3	42.28N	16.58E	6	3.6L,3.6b	
SOF	III	28 09 04 09.7	42.08N	16.72E	38	2.8,3.6b	
THE	III	28 09 04 10.1	41.93N	16.71E	31–65	3.9L,3.6b	
STR	III	28 09 04 17.6–.72	42.63N	15.55E	5	4.7L,3.6b	
ISC	Event type fe.						
ROM	Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=53.0.						
IDC	Error ellipse: s-maj=19.5km s-min=14.4km az=73.0.						
NEIC	Event type fe. Error ellipse: s-maj=3.5km s-min=3.3km az=136.0. Felt [III] at Vieste and [II] at Manfredonia, Italy.						
CSEM	Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=30.0.						
BEO	Event type ke.						
VIE	Error ellipse: s-maj=5.5km s-min=3.5km az=81.0. 126 km NNW of Bari .						
PDG	Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.						
LDG	Event type ke.						
THE	Event type ke. Error ellipse: s-maj=65.5km s-min=2.3km az=0.0.						
STR	Event type ke.						

(236) Shikoku

ISC	**III**	**28 13 53 29.8–1.1**	**33.84N–.03**	**132.75E–.04**	**33–4**		**26**	**0-24**
NIED	III	28 13 53 00	33.80N	132.70E	50	3.7W		¶12635775
IDC	III	28 13 53 28.8–3.1	33.83N	132.81E	22–23	3.3,3.2		
ISCJB	III	28 13 53 29.0–.47	33.85N–.03	132.74E–.05	40–8	3.1b,3.2		
JMA	III	28 13 53 29.0	33.85N	132.74E	44	3.7,3.2		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ86.00000°,λ-16.00000°. NP2:ϕ_s295.00000°,δ74.00000°,λ-175.00000°. $M_0$3.51000×10^{14}

IDC Error ellipse: s-maj=28.1km s-min=15.3km az=153.0.

ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.7km az=174.5.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s19.00000°,δ84.00000°,λ12.00000°. NP2:ϕ_s288.00000°,δ78.00000°,λ174.00000°. Principal axes: T Plg13.0000°,Azm244.0000°; N Plg76.0000°,Azm46.0000°; P Plg4.0000° ,Azm153.0000°

(197) Near north coast of Irian Jaya

ISC	**III**	**28 17 59 32.1–.15**	**2.96S–.02**	**139.59E–.02**	**99**	**5.8b**	**1322**	**1-170**
IDC	III	28 17 59 20.4–.30	2.91S	139.56E	0	5.7,5.7b		¶15153443
MOS	III	28 17 59 27.3–1.2	2.91S	139.51E	62	6.1b,5.1s		
BJI	III	28 17 59 27.6	3.18S	139.93E	95	6.2b,5.8b		
AUST	III	28 17 59 29.8–.12	2.94S	139.60E	64–0	6.2b,5.8b		
ISCJB	III	28 17 59 31.0–.12	2.93S–.02	139.62E–.02	96	5.8b,5.8b		
NEIC	III	28 17 59 31.8–.12	2.95S	139.54E	93	6.0W,6.0W		
DJA	III	28 17 59 33.0–.20	3S–2.0	140E–2.0	95–2	6.4,6.3b		
TEH	III	28 17 59 33.0	3.09S	139.69E	87	6.0L,6.3b		
GCMT	III	28 17 59 34.4–.10	2.89S	139.66E	91–0	5.9W,6.3b		

ISC Event type fe.

IDC Error ellipse: s-maj=12.8km s-min=8.6km az=72.0.

MOS Error ellipse: s-maj=7.9km s-min=4.8km az=108.2.

AUST Error ellipse: s-maj=0.6km s-min=0.5km az=43.0.

ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.4km az=148.4.

NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=73.0. Felt [V] at Genyem, Jayapura and Sentani. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s110.00000°,δ50.00000°,λ90.00000°. NP2: ϕ_s290.00000°,δ40.00000°,λ90.00000°. Principal axes: T Plg85.0000°,Azm20.0000° ; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm200.0000° Moment Tensor Solution. s36 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s329.00000°,δ33.00000°,λ112.00000°. NP2:ϕ_s124.00000° ,δ59.00000°,λ76.00000°. Principal axes: T 1.1300,Plg71.0000°,Azm0.0000° ; N -0.1400,Plg11.0000°,Azm130.0000°; P -0.9900,Plg13.0000°,Azm223.0000° $M_0$1.10000×10^{18}

GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=101, comp=236, per= 50. Moment Tensor Solution. s97,c232; s72,c97; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s332.00000°,δ36.00000° ,λ122.00000°. NP2:ϕ_s115.00000°,δ60.00000°,λ69.00000°. Principal axes: T 1.0400,Plg68.0000°,Azm344.0000°; N -0.0200,Plg18.0000°,Azm125.0000° ; P -1.0200,Plg13.0000°,Azm220.0000° $M_0$1.00000×10^{18}

(460) Wyoming

ISC	**III**	**28 21 00 10.6–.67**	**43.77N–.02**	**105.34W–.02**	**0**		**125**	**0-20**
ISCJB	III	28 21 00 10.2–.22	43.75N–.01	105.29W–.03	0			¶12635802
IDC	III	28 21 00 11.7–1.9	43.91N	105.60W	0	3.6,3.4		
NEIC	III	28 21 00 11.2–.35	43.78N	105.29W	0	3.1L,3.4		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=2.7km s-min=2.1km az=172.3.

IDC Error ellipse: s-maj=49.7km s-min=9.3km az=147.0.

NEIC Event type fm. Error ellipse: s-maj=5.8km s-min=4.4km az=143.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(9) Fox Islands

ISC	**III**	**28 22 37 34.4–.42**	**52.64N–.05**	**170.24W–.03**	**82–3**	**4.8b**	**925**	**1-160**
MOS	III	28 22 37 30.8–.95	52.72N	170.26W	60	5.1b		¶13437556
ISCJB	III	28 22 37 32.8–.32	52.68N–.03	170.28W–.02	79–2	4.8b		
BJI	III	28 22 37 32.5	52.85N	170.31W	81	5.0s,5.0b		
IDC	III	28 22 37 33.5–1.4	52.69N	170.26W	71–12	4.5,4.4		
NEIC	III	28 22 37 33.9–.24	52.70N	170.29W	74–2	5.0b,4.4		

ISC Event type fe.

MOS Error ellipse: s-maj=7.7km s-min=5.6km az=83.8.

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.2km az=0.8.

IDC Error ellipse: s-maj=11.0km s-min=7.1km az=170.0.

NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.0km az=173.0. Felt at Nikolski.

(159) North Island

WEL	**III**	**29 06 11 12.8–.04**	**39.19S**	**175.03E**	**5**	**3.5L**	
							¶12723276

WEL Event type fe. Error ellipse: s-maj=0.5km s-min=0.3km az=0.0. Felt in the King Country region, maximum reported intensity MM 4.

(381) Central Italy

ISC	**III**	**29 08 43 08.8–.63**	**42.03N–.02**	**13.99E–.01**	**10–4**	**4.1b**	**481**	**0-68**
SZGRF	III	29 08 43 05.6	41.78N	14.09E	10	4.1b		¶15996846
ROM	III	29 08 43 07.9–.09	41.99N	14.00E	8–1	3.8L		
MOS	III	29 08 43 07.2–1.1	42.04N	13.84E	10	4.3b		
ISCJB	III	29 08 43 07.6–.19	42.06N–.01	13.96E–.02	11–1	3.9b		
LDG	III	29 08 43 07.6–.10	42.03N	14.02E	2	3.5L		
CSEM	III	29 08 43 08.5–.08	42.01N	13.91E	10	4.5L,4.0b		
PRU	III	29 08 43 08.6	41.99N	14.07E	0	4.5L,4.0b		
BEO	III	29 08 43 08.0–.74	41.85N	13.74E	22–20	4.0L,4.0b		
IDC	III	29 08 43 08.4–1.0	42.14N	13.91E	0	3.8,3.7b		
PDG	III	29 08 43 09.3–.37	42.12N	14.11E	13–0	3.6L,3.7b		
NEIC	III	29 08 43 09.0–.36	42.04N	13.92E	10	4.0L,3.8L		
VIE	III	29 08 43 10.8–.66	42.21N	14.14E	10	3.8L,3.5b		

ISC Event type ke.

SZGRF Southern Italy.

ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=57.0.

MOS Error ellipse: s-maj=7.9km s-min=4.6km az=77.2.

ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=38.3.

LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=24.0.

CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=36.0.

BEO Event type ke.

IDC Error ellipse: s-maj=17.5km s-min=12.8km az=78.0.

PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.1km az=0.0.

NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.7km az=55.0. Felt [IV] at Introdacqua, Pratola Peligna, Sulmona and Torre de'Passeri; [III] at Chieti and Francavilla al Mare; [II] at Cassino and L'Aquila. Also felt at Palena, Pescara and Popoli.

VIE Error ellipse: s-maj=5.1km s-min=3.7km az=148.0. 141 km ENE of Rome .

(29) Washington

ISC	**III**	**30 07 06 09.6–.86**	**47.62N–.03**	**123.48W–.03**	**36–1**	**3.2b**	**178**	**0-83**
IDC	III	30 07 06 06.0–.82	47.72N	123.40W	0	3.6,3.5		¶12066229
PNSN	III	30 07 06 10.2	47.60N	123.48W	45	3.6,3.5		
PGC	III	30 07 06 10.3–.02	47.68N	123.60W	43–0	2.9L,3.5		
NEIC	III	30 07 06 10.2	47.60N	123.48W	45	3.6,3.5		

ISC Event type fe.

IDC Error ellipse: s-maj=12.7km s-min=8.1km az=26.0.

PNSN Moment Tensor Solution. NP1:ϕ_s340.00000°,δ45.00000° NP2:ϕ_s187.00000°,δ48.00000° Principal axes: T Plg2.0000°,Azm264.0000°; P Plg76.0000°,Azm167.0000°

PGC Event type ke. 85km Ssw of Victoria, Bc Washington.

NEIC Event type fe. Felt [II] at Brinnon, Hoodsport, Olympia and Port Orchard. Also felt at Auburn, Belfair, Bremerton, Dupont, Grapeview, Hoquiam, Kent, Lacey, Lakebay, Lakewood, Lilliwaup, Longbranch, Mercer Island, Mukilteo, Poulsbo, Quinault, Seabeck, Seattle, Tacoma and Tahuya. After SEA.

(13) Kodiak Island region

ISC	**III**	**30 07 13 06.2–.17**	**56.40N–.02**	**152.77W–.02**	**17**	**6.0s,5.8b**	**2030**	**1-160**
BJI	III	30 07 13 03.8	56.55N	153.12W	12	6.4s,6.2b		¶13437633
MOS	III	30 07 13 04.1–.90	56.47N	152.79W	10	6.1b,5.8s		
IDC	III	30 07 13 04.1–.33	56.61N	152.61W	0	5.8,5.8s		
ISCJB	III	30 07 13 05.8–.09	56.49N–.02	152.69W–.02	21	5.9s,5.7b		
BGS	III	30 07 13 05.4–1.8	56.50N	154.89W	21	6.1s,5.5b		
NEIC	III	30 07 13 07.3–.11	56.55N	152.74W	21	6.1W,5.9b		
GCMT	III	30 07 13 08.8–.10	56.26N	152.64W	12	6.0W,5.9b		
SZGRF	III	30 07 13 13.1	57.02N	153.05W	26	6.1b,6.0s		
DJA	III	30 07 13 46.5–5.0	57N–10	155W–21	307–47	5.8,5.8b		

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt [III] at Kasilof, Seward and Soldotna; [II] at Homer, Kenai and Kodiak. Also felt at Anchorage, Anchor Point, Moose Pass and Sterling. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s84 Moment tensor: Scale 10^{17}Nm; M_{rr}2.18 $M_{\theta\theta}$-3.79 $M_{\phi\phi}$1.61 $M_{r\theta}$6.52 $M_{\theta\phi}$-0.49 $M_{\phi r}$4.56 Best double couple: NP1:ϕ_s56.00000°,δ82.00000°,λ74.00000°. NP2: ϕ_s299.00000°,δ18.00000°,λ152.00000°. Principal axes: T 8.4000,Plg50.0000°,Azm308.0000° ; N 0.4400,Plg15.0000°,Azm58.0000°; P -8.8400,Plg34.0000°,Azm159.0000° $M_0$8.60000×10^{17}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 71, comp= 73, per= 50. Moment Tensor Solution. s88,c169; s2,c2; Moment tensor: Scale 10^{18}Nm; M_{rr}0.03±.01 $M_{\theta\theta}$-0.06±.01; $M_{\phi\phi}$0.04±.01; $M_{r\theta}$1.17±.02; $M_{\theta\phi}$-0.06±.01; $M_{\phi r}$0.74±.02; Best double couple: NP1:ϕ_s267.00000°,δ1.00000°,λ120.00000°. NP2:ϕ_s58.00000°,δ89.00000°,λ89.00000°. Principal axes: T 1.3500,Plg46.0000°,Azm327.0000°; N 0.0600,Plg1.0000°,Azm58.0000° ; P -1.4200,Plg44.0000°,Azm148.0000° $M_0$1.40000×10^{18}

SZGRF Kodiak Island, Alaska, United States, region.

(383) Northwestern Balkan Peninsula

ISC	**III**	**30 13 27 17.9–1.0**	**43.84N–.01**	**18.44E–.02**	**6–7**	**3.9b**	**417**	**1-124**
LDG	III	30 13 27 17.3–.08	43.89N	18.64E	2	4.0L		¶12084483
IDC	III	30 13 27 17.1–.72	43.77N	18.41E	0	3.8,3.8		
BEO	III	30 13 27 18.2–.37	43.80N	18.38E	4–2	3.7L,3.8		
TIR	III	30 13 27 18.4	44.05N	18.81E	0	4.2L,3.8		
NEIC	III	30 13 27 18.7	43.87N	18.64E	2	3.9L,3.9L		
CSEM	III	30 13 27 18.0–.09	43.81N	18.42E	2	3.5s,3.9L		
PRU	III	30 13 27 19.9	43.85N	18.53E	7	3.5s,3.9L		
PDG	III	30 13 27 19.4–.41	43.77N	18.58E	11–0	3.7L,3.7		
THE	III	30 13 27 20.8	43.73N	18.64E	6–23	3.9L,3.7		
VIE	III	30 13 27 24.1–.39	44.25N	18.40E	10	3.5s,3.3L		

ISC Event type fe.

LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=45.0.

IDC Error ellipse: s-maj=16.7km s-min=13.4km az=10.0.

BEO Event type ke.

NEIC Event type fe. Felt at Sarajevo. After CSEM.

CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=47.0.

PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.

THE Event type ke. Error ellipse: s-maj=32.1km s-min=2.2km az=339.0.

VIE Error ellipse: s-maj=3.2km s-min=2.3km az=154.0. 47 km N of Sarajevo .

(381) Central Italy

ISC	**III**	**30 13 38 39.8–.68**	**42.34N–.01**	**13.35E–.01**	**10–4**	**4.1b**	**672**	**0-80**
ISCJB	III	30 13 38 38.2–.18	42.36N–.01	13.33E–.01	9–1	4.0b,3.9s		¶12068427
IDC	III	30 13 38 38.6–.91	42.43N	13.19E	0	4.0L,4.0		
STR	III	30 13 38 38.2–1.1	42.33N	13.58E	5	3.9L,4.0		
MOS	III	30 13 38 38.9–.93	42.43N	13.34E	11	4.5b,4.0		
ROM	III	30 13 38 38.9–.08	42.32N	13.38E	10–0	4.1L,4.0		
LDG	III	30 13 38 38.1–.07	42.36N	13.39E	2	3.9L,4.0		
NEIC	III	30 13 38 39.7–.21	42.36N	13.35E	5	4.4W,4.3b		
PDG	III	30 13 38 39.2–1.1	42.36N	13.38E	9–1	4.0L,4.3b		
CSEM	III	30 13 38 40.9–.09	42.32N	13.27E	20	4.4b,4.4W		
PRU	III	30 13 38 41.9	42.20N	13.67E	39	4.3,4.4W		
VIE	III	30 13 38 42.2–.39	42.50N	13.44E	10	3.9L,3.9s		
THE	III	30 13 39 06.4	41.62N	15.74E	7–72	3.9L,3.9s		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=37.6.

IDC Error ellipse: s-maj=15.7km s-min=15.0km az=26.0.

STR Event type ke.

MOS Error ellipse: s-maj=5.4km s-min=3.9km az=86.2.

ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=50.0.

LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=32.0.

NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=202.0. Felt [V] at L'Aquila, [IV] at Barisciano and Scoppito and [III] at Rieti and Teramo. Felt [II] in much of Abruzzo, Lazio, Marche and Umbria. Moment Tensor Solution. $M_0$4.90000×10^{15}

PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.

CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=24.0.

VIE Error ellipse: s-maj=3.6km s-min=3.0km az=100.0. 103 km NE of Rome .

THE Event type ke. Error ellipse: s-maj=72.4km s-min=9.4km az=287.0.

(118) Peru-Bolivia border region

ISC	**III**	**30 15 48 20.8–.58**	**18.00S–.04**	**70.03W–.07**	**99–4**	**4.0b**	**53**	**1-150**
ISCJB	III	30 15 48 19.8–.59	17.99S–.04	69.99W–.08	105–5	4.1b		¶12635955
NEIC	III	30 15 48 20.9–.71	17.91S	69.93W	99–7	4.5b		
GUC	III	30 15 48 21.8–.51	18.36S	70.67W	32–8	4.0L		
IDC	III	30 15 48 21.3–.78	17.95S	69.81W	100–5	4.1,4.0b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=12.3km s-min=6.8km az=7.9.

NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=11.2km az=165.0. Felt [II] at Tacna.

GUC Error ellipse: s-maj=7.2km s-min=9.9km az=-1.0.

IDC Error ellipse: s-maj=26.9km s-min=21.3km az=124.0.

(39) Central California

ISC	**III**	**30 17 40 29.9–.74**	**37.26N–.03**	**121.58W–.04**	**9–4**	**4.2b**	**132**	**1-102**
BJI	III	30 17 40 27.0	37.30N	121.60W	6	5.1b,4.8s		¶12070696
NEIC	III	30 17 40 29.3	37.29N	121.62W	8	4.5b,4.3W		
IDC	III	30 17 40 32.0–1.2	37.52N	121.39W	0	4.2,4.0b		

ISC Event type fe.

NEIC Event type fe. Felt [IV] at Mount Hamilton and San Jose and [III] at Gilroy, Milpitas, Morgan Hill, Oakland, San Martin, Santa Clara and Sunnyvale. Felt [II] throughout the Monterey Bay and San Francisco Bay areas and in the Stockton-Merced area. Felt as far as Marysville and Midpines. After NCEDC. Moment Tensor Solution. $M_0$3.80000×10^{15}

IDC Error ellipse: s-maj=23.2km s-min=13.3km az=27.0.

(224) Hokkaido region

ISC	**III**	**30 20 32 26.1–1.9**	**43.04N–.08**	**146.0E–.10**	**39–6**		**25**	**0-65**
NIED	III	30 20 32 00	43.10N	145.80E	50	3.6W		¶12635982
IDC	III	30 20 32 17.2–3.9	42.86N	146.63E	0	3.8b,3.7		
MOS	III	30 20 32 20.7–.47	42.76N	146.48E	37	4.1b,3.7		
ISCJB	III	30 20 32 26.0–1.1	43.07N–.06	145.93E–.09	50–8	3.7b,3.7		
JMA	III	30 20 32 27.7–.10	43.12N	145.83E	46–1	3.7,3.7		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ70.00000°,λ72.00000°. NP2:ϕ_s259.00000°,δ27.00000°,λ131.00000°. $M_0$2.37000×10^{14}

IDC Error ellipse: s-maj=68.9km s-min=35.7km az=122.0.

MOS Error ellipse: s-maj=44.1km s-min=29.6km az=111.0.

ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=7.7km az=37.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(43) Southern California

ISC	**III**	**30 21 28 03.2–.93**	**33.21N–.02**	**116.78W–.02**	**13–8**		**58**	**0-3**
ISCJB	III	30 21 28 03.3–.39	33.22N–.01	116.77W–.02	9–3			¶12083387
ECX	III	30 21 28 03.9–.68	33.25N	116.76W	14	3.1L,2.9		
NEIC	III	30 21 28 04.2	33.23N	116.76W	6	2.9L,2.9		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.4km az=163.2.

ECX Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0.
NEIC Event type fe. Felt [II] at Ramona and Valley Center. Also felt at Desert Hot Springs, El Cajon, Oceanside, Placentia, Poway, San Diego, Santa Ysabel and Warner Springs. After PAS.

(73) El Salvador

ISC	**III**	**30 23 33 08.0–.95**	**13.16N–.07**	**89.13W–.04**	**62–7**	**3.8b**	**61**	**0-148**
ISCJB	III	30 23 33 07.8–.63	13.17N–.07	89.12W–.04	75–4	3.8b		¶12611341
CASC	III	30 23 33 07.3–2.2	12.99N	89.20W	19–12	4.3L,4.0b		
NEIC	III	30 23 33 08.2	13.13N	89.17W	56	4.3,4.0b		
IDC	III	30 23 33 11.2–2.0	13.25N	88.97W	95–18	3.6,3.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=5.5km az=22.0.
CASC Error ellipse: s-maj=9.0km s-min=5.0km az=-1.0.
NEIC Event type fe. Felt [III] at San Salvador. After SNET.
IDC Error ellipse: s-maj=35.9km s-min=14.7km az=46.0.

(99) Northern Colombia

ISC	**III**	**31 00 50 10.1–.42**	**7.84N–.03**	**74.88W–.04**	**43–3**	**4.5b,3.2s**	**221**	**2-158**
IDC	III	31 00 50 09.3–.46	7.74N	74.80W	39–3	5.3L,4.2		¶12084020
ISCJB	III	31 00 50 10.9–.42	7.87N–.03	74.97W–.03	64–4	4.4b,4.2		
BJI	III	31 00 50 10.0	7.90N	74.90W	30	5.4b,5.3s		
NEIC	III	31 00 50 11.0	7.88N	74.94W	18	4.8b,4.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=14.4km s-min=10.0km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.3km az=43.9.
NEIC Event type fe. Felt at Caucasia and Nechi. After RSNC.

(383) Northwestern Balkan Peninsula

ISC	**III**	**31 01 46 02.8–.42**	**43.854N–.01**	**18.40E–.01**	**1–2**	**4.1b**	**586**	**1-90**
ISCJB	III	31 01 46 01.6–.31	43.85N–.01	18.42E–.02	2–2	4.9s,4.0b		¶12084023
THE	III	31 01 46 01.9	44.00N	18.41E	8–4	4.0L,4.0b		
SZGRF	III	31 01 46 01.2	43.58N	18.81E	10	4.0L,4.0b		
BEO	III	31 01 46 02.9–.37	43.81N	18.46E	9–3	3.8L,4.0b		
LDG	III	31 01 46 02.8–.08	43.93N	18.54E	2	4.2L,4.0b		
PDG	III	31 01 46 02.8–.43	43.84N	18.54E	2–0	3.9L,3.9		
MOS	III	31 01 46 03.4–1.1	43.81N	18.34E	19	4.4b,3.9		
CSEM	III	31 01 46 03.2–.10	43.86N	18.48E	2	4.1s,3.9L		
NEIC	III	31 01 46 03.5–.23	43.79N	18.45E	5	4.1b,4.0L		
IDC	III	31 01 46 05.2–3.2	43.82N	18.39E	18–20	4.0,3.9b		
PRU	III	31 01 46 05.3	43.87N	18.58E	15	4.1,3.9b		
VIE	III	31 01 46 07.2–.51	44.12N	18.47E	10	4.1s,3.8L		
STR	III	31 01 46 17.0–1.2	44.22N	17.28E	5	4.2L,3.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=141.3.
THE Event type ke. Error ellipse: s-maj=6.0km s-min=0.9km az=357.0.
SZGRF Northwestern Balkan Peninsula.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=28.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=120.3.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=40.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=2.9km az=216.0. Felt at Sarajevo.
IDC Error ellipse: s-maj=11.6km s-min=8.8km az=28.0.
VIE Error ellipse: s-maj=4.3km s-min=2.8km az=167.0. 32 km N of Sarajevo .
STR Event type ke.

(162) South Island

ISC	**III**	**31 03 28 18.0–.82**	**41.56S–.04**	**172.95E–.04**	**132–5**	**3.6b**	**187**	**0-151**
ISCJB	III	31 03 28 17.0–.27	41.59S–.03	172.94E–.05	134–4	3.5b		¶12636000
IDC	III	31 03 28 16.3–1.1	41.61S	173.12E	109–12	3.6,3.5		
NEIC	III	31 03 28 18.8	41.51S	172.90E	126	4.5,3.5		
WEL	III	31 03 28 19.0–.17	41.50S	172.89E	124–1	4.6L,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=3.2km az=40.8.
IDC Error ellipse: s-maj=29.5km s-min=9.5km az=131.0.
NEIC Event type fe. Felt in the northern part of the South Island. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.5km s-min=1.4km az=90.0. Felt between Nelson, West Coast and Wellington, maximum reported intensity MM. 4.

(159) North Island

ISC	**III**	**31 10 46 01.0–.57**	**37.98S–.04**	**176.33E–.03**	**181–3**	**3.9b**	**203**	**0-155**
ISCJB	III	31 10 45 59.6–.37	37.96S–.03	176.23E–.05	186–3	4.0b		¶12084866
IDC	III	31 10 45 59.9–1.4	37.71S	175.53E	105–26	3.8,3.7b		
NEIC	III	31 10 45 59.4	37.75S	176.42E	182	4.5b,3.7b		
WEL	III	31 10 45 59.4–.43	37.76S	176.43E	182–3	5.0L,3.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=5.3km az=10.5.
IDC Error ellipse: s-maj=29.7km s-min=18.8km az=142.0.
NEIC Event type fe. Felt at Mahora. After WEL.
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=1.9km az=90.0. Felt in the Hawke"s Bay region, maximum reported intensity MM 4.

(263) Talaud Islands

ISC	**III**	**31 11 31 21.2–.27**	**3.90N–.03**	**126.77E–.03**	**33–0**	**5.2b,4.8s**	**823**	**3-169**
BJI	III	31 11 31 14.0	3.31N	127.13E	35	5.1b,5.1b		¶15153489
IDC	III	31 11 31 19.4–1.2	3.92N	126.61E	21–7	4.8b,4.8		
MOS	III	31 11 31 19.4–1.3	3.93N	126.72E	33	5.4b,4.9s		
NEIC	III	31 11 31 21.3–.14	3.90N	126.78E	35	5.3b,5.3W		
ISCJB	III	31 11 31 21.2–.38	3.91N–.02	126.84E–.02	51–3	5.2b,4.8s		
GCMT	III	31 11 31 22.8–.10	3.99N	126.82E	26–0	5.4W,4.8s		
DJA	III	31 11 31 25.6–.30	4N–3.0	127E–2.0	71–3	5.8,5.5b		
AUST	III	31 11 31 26.7–.21	3.79N	126.92E	90–0	5.8,5.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=7.2km az=75.0.
MOS Error ellipse: s-maj=10.0km s-min=5.0km az=113.5.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.6km az=74.0. Felt [III] at Melonguanne. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s231.00000°,δ57.00000°,λ148.00000°. NP2:ϕ_s340.00000°,δ63.00000°,λ38.00000°. Principal axes: T 1.0300,Plg44.0000° ,Azm198.0000°; N -0.0400,Plg44.0000°,Azm9.0000°; P -0.9900,Plg4.0000°,Azm104.0000° $M_0$1.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.8km az=161.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c119; s93,c164; Moment tensor: Scale 10^{17}Nm; M_{rr}0.83±.02 $M_{\theta\theta}$0.64±.02; $M_{\phi\phi}$-1.47±.02; $M_{r\theta}$-0.54±.04; $M_{\theta\phi}$-0.32±.02; $M_{\phi r}$-0.02±.04; Best double couple: NP1:ϕ_s335.00000°,δ56.00000°,λ37.00000°. NP2:ϕ_s222.00000°,δ60.00000°,λ139.00000°. Principal axes: T 1.2900,Plg49.0000° ,Azm186.0000°; N 0.2300,Plg41.0000°,Azm11.0000°; P -1.5200,Plg2.0000°,Azm279.0000° $M_0$1.40000×10^{17}
AUST Error ellipse: s-maj=0.9km s-min=0.5km az=234.0.

(249) Luzon

ISC	**III**	**31 13 26 18.6–.46**	**14.62N–.03**	**123.88E–.04**	**27–2**	**4.6b,4.1s**	**208**	**2-151**
IDC	III	31 13 26 13.8–.50	14.50N	123.84E	0	4.3L,4.3		¶12084236
BJI	III	31 13 26 15.9	14.55N	123.77E	24	5.0b,4.6b		
ISCJB	III	31 13 26 18.2–.88	14.76N–.02	123.89E–.03	33–6	4.5b,4.1s		
MOS	III	31 13 26 18.5–.89	14.64N	123.81E	43	4.8b,4.0s		
NEIC	III	31 13 26 19.7–.80	14.61N	123.81E	38–7	4.8b,4.0s		
MAN	III	31 13 26 20	14.80N	123.65E	62	5.7b,5.2s		
GCMT	III	31 13 26 20.1–.20	14.79N	123.77E	35–1	5.1W,5.2s		
DJA	III	31 13 26 23.3–2.8	15N–20	124E–6.0	116–17	5.2b,5.0b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II PIVS] at Calabanga, Gubat, Guinayangan, Legaspi and Polillo.
MAN Event type fe. INTENSITY II - LIGNON HILL LEGASPI CITY; POLILIO POLILIO ISLAND QUEZON; GUBAT SORSOGON; CABALANGA CAMARINES SUR; GUINAYANGAN QUEZON.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s42,c56; s82,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.21 $M_{\theta\theta}$4.47±.14; $M_{\phi\phi}$-4.31±.18; $M_{r\theta}$1.57±.18; $M_{\theta\phi}$-1.80±.14; $M_{\phi r}$0.83±.23; Best double couple: NP1:ϕ_s146.00000°,δ70.00000°,λ1.00000°. NP2:ϕ_s56.00000°,δ89.00000°,λ160.00000°. Principal axes: T 5.1900,Plg15.0000° ,Azm9.0000°; N -0.2500,Plg70.0000°,Azm234.0000°; P -4.9400,Plg14.0000°,Azm103.0000° $M_0$5.10000×10^{16}

(75) Nicaragua

ISC	**III**	**31 17 50 31.7–1.6**	**13.52N–.04**	**86.19W–.05**	**16–10**	**4.3b,3.2s**	**189**	**1-149**
IDC	III	31 17 50 29.6–.77	13.56N	86.01W	0	4.7L,4.3		¶12084386
CASC	III	31 17 50 30.2–3.6	13.57N	86.18W	0–12	4.4b,4.3		
ISCJB	III	31 17 50 32.1–1.1	13.55N–.03	86.10W–.03	27–8	4.2b,3.3s		
NEIC	III	31 17 50 34.2–.98	13.45N	86.06W	36–11	4.9L,4.4b		
BJI	III	31 17 50 35.2	13.30N	86.30W	44	5.4b,5.2s		

ISC Event type de.
IDC Error ellipse: s-maj=34.4km s-min=15.3km az=65.0.
CASC Error ellipse: s-maj=16.0km s-min=15.1km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=6.3km s-min=4.5km az=137.8.
NEIC Event type de. Error ellipse: s-maj=15.9km s-min=8.9km az=47.0. At least three houses were destroyed and 10 damaged at San Juan del Rio Coco. Felt in the central part of the Nicaragua-Honduras border region.

(98) Trinidad

ISC	**IV**	**01 02 03 24.6–.59**	**10.46N–.03**	**61.24W–.03**	**50–5**	**4.4b,3.5s**	**437**	**0-145**
IDC	IV	01 02 03 18.2–.53	10.53N	61.44W	0	4.2,4.2		¶12084396
ISCJB	IV	01 02 03 24.1–.30	10.46N–.02	61.35W–.02	65–2	4.3b,4.2		
BJI	IV	01 02 03 24.2	10.40N	61.20W	67	4.3b,4.2		
FUNV	IV	01 02 03 24.9	10.41N	61.14W	34	4.4W,4.2		
TRN	IV	01 02 03 25.1	10.51N	61.09W	29	4.3,4.2		
NEIC	IV	01 02 03 25.2	10.51N	61.10W	28	4.6b,4.3		

ISC Event type fe.
IDC Error ellipse: s-maj=16.8km s-min=12.8km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=42.4.
NEIC Event type fe. Felt at Arima, Chaguanas, Cross Crossing, Diego Martin, Marabella, Maraval, Penal, Rio Claro, San Fernando and Tunapuna. Also felt at Scarborough, Tobago. After TRN.

(117) Southern Peru

ISC	**IV**	**01 02 41 27.7–.26**	**16.74S–.05**	**71.18W–.07**	**98–1**	**4.8b**	**820**	**0-170**
ISCJB	IV	01 02 41 24.6–.62	16.59S–.05	71.16W–.04	80–5	4.7b		¶12084398
IDC	IV	01 02 41 28.0–.37	16.65S	71.15W	97–2	4.6,4.5		
BJI	IV	01 02 41 27.8	16.70S	71.10W	99	5.4b,4.5		
NEIC	IV	01 02 41 28.0–.15	16.67S	71.11W	99	4.8b,4.5		
LDG	IV	01 02 41 34.9–.89	16.64S	70.05W	141	4.6b,3.8s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.2km az=37.6.
IDC Error ellipse: s-maj=14.5km s-min=10.6km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=46.0. Felt [III] at Arequipa, Mollendo and Punta de Bombon; [II] at Ilo and Moquegua.
LDG Event type ke. Error ellipse: s-maj=60.9km s-min=13.4km az=67.0.

(546) Austria

ISC	**IV**	**01 05 23 55.0–.88**	**47.41N–.01**	**12.29E–.01**	**17–7**		**232**	**0-9**
ISCJB	IV	01 05 23 53.1–.23	47.42N–.01	12.31E–.02	6–2			¶12579624
VIE	IV	01 05 23 54.5–.16	47.36N	12.30E	13–2	2.7L,2.0b		
CSEM	IV	01 05 23 54.5–.08	47.39N	12.30E	10	2.8L,2.0b		
BGR	IV	01 05 23 55.6–.24	47.37N	12.30E	10	2.5L,2.0b		
PRU	IV	01 05 23 55.5	47.44N	12.32E	3	2.5,2.0b		
LDG	IV	01 05 23 56.1–.17	47.35N	12.24E	2	3.0L,2.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=35.1.
VIE Event type fe. Error ellipse: s-maj=1.7km s-min=1.0km az=2.0. 9 km S of Kirchberg in Tirol . felt 3 ems98 at Kirchberg / TYROL.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=35.0.
BGR Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=8.0. Felt in Kirchberg/Tirol.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=1.7km az=39.0.

(273) Southwest of Sumatera

ISC	**IV**	**01 06 29 40.2–.37**	**6.02S–.03**	**101.88E–.04**	**34–1**	**5.3b,5.1s**	**686**	**2-176**
BJI	IV	01 06 29 31.6	6.91S	101.82E	35	5.5s,5.4b		¶15153500
IDC	IV	01 06 29 35.0–.33	5.98S	102.05E	0	5.0,5.0		
ISCJB	IV	01 06 29 36.7–.75	6.01S–.02	101.86E–.02	20–5	5.3b,5.1s		
AUST	IV	01 06 29 36.3–1.0	6.05S	101.80E	8–0	5.3b,5.1s		
DJA	IV	01 06 29 38.8–.80	6S–2.0	102E–2.0	15–7	6.3,6.0		
MOS	IV	01 06 29 39.0–1.0	5.91S	101.99E	33	5.5b,5.0s		
GCMT	IV	01 06 29 40.3–.20	6.09S	101.82E	29–1	5.6W,5.0s		
TEH	IV	01 06 29 40.0	6.07S	101.84E	35	5.5L,5.0s		
NEIC	IV	01 06 29 40.4–.14	5.96S	101.91E	35	5.3b,5.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=8.2km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=37.6.
AUST Error ellipse: s-maj=0.9km s-min=0.5km az=233.0.
MOS Error ellipse: s-maj=11.0km s-min=5.2km az=116.1.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 96, comp=158, per= 50. Moment Tensor Solution. s59,c73; s14,c14; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.44±.08 $M_{\theta\theta}$-0.46±.07; $M_{\phi\phi}$0.89±.07; $M_{r\theta}$-0.20±.12; $M_{\theta\phi}$-2.85±.06; $M_{\phi r}$-0.85±.13; Best double couple: NP1:ϕ_s97.00000°,δ73.00000°,λ-175.00000°. NP2:ϕ_s6.00000°,δ85.00000°,λ-17.00000°. Principal axes: T 3.2300,Plg9.0000°,Azm53.0000°; N -0.3200,Plg72.0000°,Azm170.0000° ; P -2.9100,Plg16.0000°,Azm320.0000° $M_0$3.10000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.6km az=52.0. Felt [IV] at Bengkulu and [III] at Manna.

(2) Southern Alaska

ISC	**IV**	**01 12 33 52.3–.62**	**61.65N–.03**	**150.95W–.04**	**80–5**	**4.0b**	**299**	**0-68**
ISCJB	IV	01 12 33 51.6–.21	61.69N–.02	150.83W–.05	75–1	3.9b		¶12934235
IDC	IV	01 12 33 51.2–1.9	61.79N	151.16W	66–16	3.9,3.7		
NEIC	IV	01 12 33 53.1	61.66N	150.89W	73	3.7,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.3km az=151.3.
IDC Error ellipse: s-maj=16.2km s-min=12.2km az=65.0.
NEIC Event type fe. Felt [II] at Anchorage. Also felt at Chugiak, Eagle River, Homer, Palmer and Willow. After AEIC.

(71) Near coast of Guatemala

ISC	**IV**	**01 15 31 28.1–1.3**	**13.38N–.07**	**90.95W–.05**	**42–11**	**4.2b**	**190**	**1-147**
CASC	IV	01 15 31 27.8–1.5	13.39N	90.94W	35	4.6L,4.4b		¶12934227
ISCJB	IV	01 15 31 27.7–.84	13.37N–.06	90.93W–.05	46–6	4.2b,3.8s		
NEIC	IV	01 15 31 30.4–1.5	13.53N	90.76W	63–13	4.8,4.4b		
IDC	IV	01 15 31 32.4–2.7	13.75N	90.42W	71–23	4.1,3.9b		

ISC Event type ke.
CASC Error ellipse: s-maj=7.6km s-min=4.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=4.7km az=31.8.
NEIC Event type fe. Error ellipse: s-maj=22.0km s-min=10.1km az=50.0. Felt [II] at San Salvador, El Salvador.
IDC Error ellipse: s-maj=27.7km s-min=10.6km az=52.0.

(460) Wyoming

ISC	**IV**	**01 18 16 16.5–.52**	**43.67N–.02**	**105.26W–.02**	**0**		**180**	**0-61**
IDC	IV	01 18 16 15.6–2.0	43.53N	105.36W	0	4.5b,3.9		¶12934220
ISCJB	IV	01 18 16 16.8–.18	43.68N–.01	105.26W–.02	0	4.6b,3.9		
NEIC	IV	01 18 16 18.6–.80	43.80N	105.15W	0	3.4L,3.9		

ISC Event type fm.
IDC Error ellipse: s-maj=45.1km s-min=7.3km az=150.0.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.7km az=168.7.
NEIC Event type fm. Error ellipse: s-maj=11.8km s-min=9.9km az=178.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(478) Utah

ISC	**IV**	**02 03 59 22.3–.85**	**40.58N–.01**	**111.51W–.02**	**8–6**		**107**	**0-4**
ISCJB	IV	02 03 59 21.8–.34	40.57N–.01	111.52W–.02	4–2			¶16505255
NEIC	IV	02 03 59 22.0	40.58N	111.51W	8	2.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.9km az=169.8.
NEIC Event type fe. Felt [II] at Salt Lake City. Also felt at Morgan, Park City and Sandy. After SLC.

(246) Southwestern Ryukyu Islands

ISC	**IV**	**02 08 39 33.1–.38**	**24.77N–.04**	**125.80E–.03**	**40–2**	**4.8b,4.1s**	**401**	**0-146**
NIED	IV	02 08 39 00	24.60N	125.90E	35	4.8W,4.1s		¶13437801
BJI	IV	02 08 39 29.9	24.62N	125.89E	39	4.9b,4.7b		
MOS	IV	02 08 39 30.6–1.0	24.84N	125.73E	33	5.2b,4.0s		
ISCJB	IV	02 08 39 32.0–.36	24.79N–.03	125.77E–.02	41–3	4.8b,4.0s		
JMA	IV	02 08 39 32.7–.10	24.71N	125.84E	54–1	5.1,4.0s		
NEIC	IV	02 08 39 33.4–.42	24.79N	125.70E	42–4	5.0b,4.8W		
IDC	IV	02 08 39 33.8–.61	24.80N	125.75E	48–5	4.5,4.5		
DJA	IV	02 08 39 48.4–1.3	25N–8.0	125E–11	107–11	5.7b,5.2		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ84.00000°,λ-147.00000°. NP2:ϕ_s94.00000°,δ57.00000°,λ-7.00000°. $M_0$1.84000×10^{16}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] on Miyako-jima and [1 JMA] on Tarama-shima. Moment Tensor Solution. $M_0$1.80000×10^{16}

(662) Sakhalin Island

ISC	**IV**	**02 10 00 41.1–.37**	**52.61N–.03**	**142.75E–.03**	**11**	**4.2b,3.5s**	**108**	**1-80**
SKHL	IV	02 10 00 37.6–1.0	52.54N	142.42E	10	4.5b,4.3s		¶12934326
MOS	IV	02 10 00 39.8–1.5	52.49N	142.98E	13	4.3b,4.3s		
ISCJB	IV	02 10 00 39.2–.27	52.49N–.02	142.87E–.07	11	4.2b,3.6s		
IDC	IV	02 10 00 39.3–.51	52.58N	142.77E	0	4.2,4.1		
BJI	IV	02 10 00 41.4	53.33N	143.02E	45	4.8b,4.7b		
NEIC	IV	02 10 00 42.6–2.1	52.58N	142.81E	21–16	4.3b,4.7b		

ISC Event type fe.
SKHL Event type fe. Felt (III) at Chaivo, (II) at Nikolaevsk-na-Amure.
MOS Event type fe. Error ellipse: s-maj=11.2km s-min=6.6km az=89.9. Felt (III) at Chaivo; (II) at Nikolaevsk-na-Amure. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=2.9km az=9.2.
IDC Error ellipse: s-maj=15.0km s-min=12.7km az=124.0.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.9km az=136.0. Felt [III] at Chayvo and [II] at Nikolaevsk-na-Amure.

(228) Near east coast of eastern Honshu

ISC	**IV**	**02 16 45 36.4–.74**	**34.80N–.05**	**140.39E–.05**	**75–6**	**3.8b**	**50**	**0-149**
NIED	IV	02 16 45 00	34.80N	140.40E	65	3.9W		¶12934304
JMA	IV	02 16 45 35.3–.10	34.84N	140.42E	80–2	3.8		
ISCJB	IV	02 16 45 35.2–.44	34.79N–.04	140.40E–.05	81–2	3.7b		
IDC	IV	02 16 45 37.2–1.3	34.78N	140.37E	80–12	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ46.00000°,λ99.00000°. NP2:ϕ_s6.00000°,δ45.00000°,λ81.00000°. $M_0$6.75000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=6.1km az=150.7.
IDC Error ellipse: s-maj=18.8km s-min=6.6km az=75.0.

(135) Near coast of central Chile

ISC	**IV**	**02 17 39 27.9–.61**	**29.79S–.03**	**71.52W–.08**	**37–1**	**4.3b,3.6s**	**81**	**1-162**
GUC	IV	02 17 39 26.9–.46	29.80S	71.50W	47–2	4.6L,4.5		¶12934303
NEIC	IV	02 17 39 27.8–.30	29.79S	71.51W	35	4.6L,4.2b		
ISCJB	IV	02 17 39 27.6–.86	29.80S–.03	71.5W–.10	51–8	4.1b,3.6s		
IDC	IV	02 17 39 29.8–2.6	29.80S	71.40W	52–22	4.2L,4.1		

ISC Event type ke.
GUC Error ellipse: s-maj=1.2km s-min=4.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.5km az=86.0. Felt [III] at Coquimbo and La Serena.
ISCJB Event type fe. Error ellipse: s-maj=14.7km s-min=5.0km az=7.5.
IDC Error ellipse: s-maj=22.5km s-min=14.2km az=88.0.

(238) Ryukyu Islands

ISC	**IV**	**02 20 40 14.9–.53**	**26.16N–.04**	**128.45E–.04**	**32–2**	**4.6b,4.0s**	**189**	**1-96**
NIED	IV	02 20 40 00	26.20N	128.40E	23	4.5W,4.0s		¶13437834
BJI	IV	02 20 40 11.5	26.17N	128.55E	32	4.7b,4.5b		
ISCJB	IV	02 20 40 12.6–.69	26.14N–.03	128.47E–.03	29–4	4.5b,4.0s		
JMA	IV	02 20 40 13.7–.20	26.17N	128.47E	36–4	4.4,4.0s		
MOS	IV	02 20 40 13.9–1.2	26.29N	128.37E	33	4.7b,4.0s		
NEIC	IV	02 20 40 15.6–.43	26.18N	128.19E	32	4.7b,4.5W		
IDC	IV	02 20 40 15.2–5.1	26.26N	128.33E	27–35	4.2,4.1		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s47.00000°,δ69.00000°,λ90.00000°. NP2:ϕ_s226.00000°,δ21.00000°,λ89.00000°. $M_0$6.28000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.2km az=150.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=11.2km s-min=6.6km az=103.3.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=5.8km az=132.0. Recorded [2 JMA] on Okinawa. Moment Tensor Solution. $M_0$6.30000×10^{15}
IDC Error ellipse: s-maj=20.1km s-min=12.9km az=90.0.

(227) Eastern Honshu

ISC	**IV**	**02 23 43 51.7–.76**	**36.21N–.05**	**139.79E–.05**	**62–6**	**3.7b**	**30**	**0-78**
ISCJB	IV	02 23 43 50.4–.47	36.20N–.04	139.80E–.06	68–3	3.6b		¶12934354
JMA	IV	02 23 43 52.1–.10	36.18N	139.80E	55–1	3.7		
IDC	IV	02 23 43 52.1–1.7	36.16N	139.76E	68–14	3.5,3.5		
NIED	IV	02 23 44 00	36.20N	139.80E	50	3.8W,3.5		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=6.5km az=159.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s43.00000°,δ56.00000°,λ98.00000°. NP2: ϕ_s208.00000°,δ34.00000°,λ78.00000°. Principal axes: T Plg77.0000°,Azm339.0000° ; N Plg7.0000°,Azm218.0000°; P Plg11.0000°,Azm127.0000°
IDC Error ellipse: s-maj=23.3km s-min=7.7km az=63.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ61.00000°,λ68.00000°. NP2:ϕ_s261.00000°,δ36.00000°,λ124.00000°. $M_0$5.82000×10^{14}

(106) Colombia-Ecuador border region

ISC	**IV**	**03 15 46 46.2–.35**	**0.70N–.04**	**78.00W–.04**	**11**	**4.6b,4.0s**	**360**	**0-154**
IGQ	IV	03 15 46 43.5	0.72N	77.96W	5–121	4.6b,4.4s		¶12934384
IDC	IV	03 15 46 44.8–.52	0.87N	77.83W	0	4.3,4.3		
ISCJB	IV	03 15 46 45.4–.16	0.75N–.02	77.98W–.03	11	4.4b,4.0s		
NEIC	IV	03 15 46 48.1–1.4	0.68N	78.06W	21–10	4.8b,4.6		
BJI	IV	03 15 47 20.4	3.00N	78.30W	186	5.3b,4.6		

ISC Event type fe.
IGQ Error ellipse: s-maj=1.9km s-min=0.6km az=1.9.
IDC Error ellipse: s-maj=26.7km s-min=11.7km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.1km az=4.7.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=6.1km az=86.0. Felt strongly at El Angel, Ecuador. Also felt at Bolivar, Ibarra, Mira and San Gabriel.

(130) Catamarca Province

ISC	**IV**	**03 17 54 48.0–.41**	**27.90S–.04**	**66.59W–.04**	**156–3**	**5.4b**	**1281**	**4-177**
ISCJB	IV	03 17 54 44.2–.65	27.77S–.03	66.61W–.03	125–5	5.4b		¶12086165
BJI	IV	03 17 54 45.5	27.25S	67.46W	139	5.3b		
MOS	IV	03 17 54 46.8–1.2	27.80S	66.49W	156	5.5b		
IDC	IV	03 17 54 48.4–.99	27.86S	66.52W	153–8	5.1,5.1		
NEIC	IV	03 17 54 50.4–.14	27.84S	66.59W	174	5.7W,5.7W		
GCMT	IV	03 17 54 53.9–.10	28.09S	66.71W	180–0	5.7W,5.7W		
DJA	IV	03 17 55 19.8–8.9	29S–41	66W–28	416–82	5.9b,5.5b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] in the Cordoba-Tinogasta area. Moment Tensor Solution. s39 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.59 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$1.95 $M_{r\theta}$2.59 $M_{\theta\phi}$-1.91 $M_{\phi r}$-1.01 Best double couple: NP1:ϕ_s186.00000°,δ35.00000°,λ-27.00000°. NP2:ϕ_s298.00000° ,δ75.00000°,λ-122.00000°. Principal axes: T 3.9600,Plg23.0000°,Azm52.0000° ; N -0.2900,Plg31.0000°,Azm307.0000°; P -3.6700,Plg49.0000°,Azm172.0000° $M_0$3.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=226, per= 50. Moment Tensor Solution. s100,c193; s56,c61; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.23±.04 $M_{\theta\theta}$-0.25±.05; $M_{\phi\phi}$2.48±.06; $M_{r\theta}$2.56±.03; $M_{\theta\phi}$-2.53±.04; $M_{\phi r}$-0.41±.04; Best double couple: NP1:ϕ_s183.00000°,δ43.00000°,λ-31.00000°. NP2:ϕ_s297.00000°,δ69.00000°,λ-129.00000°. Principal axes: T 4.4500,Plg15.0000°,Azm54.0000°; N -0.2600,Plg36.0000°,Azm313.0000° ; P -4.1900,Plg50.0000°,Azm163.0000° $M_0$4.30000×10^{17}

(35) Near coast of northern California

ISC	**IV**	**03 18 02 22.2–1.9**	**40.52N–.06**	**124.7W–.10**	**25**		**22**	**1-23**
NEIC	IV	03 18 02 22.7	40.51N	124.75W	16	3.8W		¶12934377
ISCJB	IV	03 18 02 22.0–1.3	40.55N–.04	124.7W–.20	25	2.4b		
IDC	IV	03 18 02 22.2–3.0	40.67N	124.54W	0	3.7L,3.6		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Arcata, Bayside and Eureka. Also felt at Blue Lake, Fields Landing, Korbel and McKinleyville. After NCEDC. Moment Tensor Solution. $M_0$7.30000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=16.4km s-min=6.3km az=179.8.
IDC Error ellipse: s-maj=32.6km s-min=16.7km az=80.0.

(263) Talaud Islands

ISC	**IV**	**04 05 31 57.8–.23**	**5.16N–.02**	**127.19E–.03**	**69–1**	**6.2b**	**2267**	**2-169**
BJI	IV	04 05 31 51.4	4.76N	127.60E	55	6.1b,6.0s		¶15153551
MOS	IV	04 05 31 52.8–.78	5.31N	127.20E	33	6.3b,5.7s		
MAN	IV	04 05 31 53	4.79N	127.33E	107	6.4b,6.3s		
NEIC	IV	04 05 31 55.5–.10	5.15N	127.20E	48	6.5,6.3W		
AUST	IV	04 05 31 57.0–.20	5.05N	127.26E	61–0	6.5,6.3W		
ISCJB	IV	04 05 31 57.8–.32	5.07N–.01	127.19E–.02	84–2	6.0b,6.3W		
IDC	IV	04 05 31 57.1–.73	5.16N	127.19E	58–5	5.8,5.8		
TEH	IV	04 05 31 58.0	5.11N	127.21E	68	6.3L,5.8		
GCMT	IV	04 05 31 59.0–.10	5.21N	127.20E	57–0	6.2W,5.8		
DJA	IV	04 05 32 01.3–.30	5N–2.0	127E–2.0	88–3	6.9,6.6b		
SZGRF	IV	04 05 32 32.3	11.62N	122.99E	71	5.9b,5.9s		

ISC Event type fe.
MOS Error ellipse: s-maj=10.3km s-min=4.9km az=122.9.
MAN Event type fe. INTENSITY III - MATI DAVAO ORIENTAL; GENERAL SANTOS CITY; DAVAO CITY KIDAPAWAN CITY NORTH COTABATO.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.3km az=74.0. Felt [III PIVS] at Davao, General Santos, Kidapawan and Mati; [II PIVS] at Malita; [I PIVS] at Makilala, Mindanao. Also felt at Tagum. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s59 Moment tensor: Scale 10^{18} Nm; M_{rr}1.55 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-1.96 $M_{r\theta}$-0.94 $M_{\theta\phi}$2.07 $M_{\phi r}$-0.21 Best double couple: NP1: ϕ_s295.00000°,δ63.00000°,λ37.00000°. NP2:ϕ_s186.00000°,δ57.00000°,λ148.00000°. Principal axes: T 2.5100,Plg44.0000°,Azm152.0000°; N 0.6700,Plg45.0000°,Azm325.0000° ; P -3.1800,Plg3.0000°,Azm59.0000° $M_0$2.90000×10^{18}
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=227.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=164.3.
IDC Error ellipse: s-maj=9.7km s-min=6.2km az=88.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=126, comp=287, per= 50. Moment Tensor Solution. s117,c280; s98,c163; Moment tensor: Scale 10^{18}Nm; M_{rr}1.94±.02 $M_{\theta\theta}$-0.23±.02; $M_{\phi\phi}$-1.71±.02; $M_{r\theta}$-1.07±.02; $M_{\theta\phi}$2.04±.01; $M_{\phi r}$-0.25±.02; Best double couple: NP1:ϕ_s175.00000°,δ50.00000°,λ137.00000°. NP2:ϕ_s296.00000°,δ59.00000°,λ49.00000°. Principal axes: T 2.6700,Plg55.0000°,Azm151.0000°; N 0.5000,Plg34.0000°,Azm321.0000° ; P -3.1800,Plg5.0000°,Azm54.0000° $M_0$2.90000×10^{18}
SZGRF Panay, Philippine Islands.

(98) Trinidad

ISC	**IV**	**04 09 24 33.5–.33**	**10.22N–.03**	**61.37W–.03**	**48–2**	**4.9b,4.3s**	**696**	**0-162**
LDG	IV	04 09 24 27.7–.30	10.17N	61.16W	10	5.1b,4.1s		¶13437912
ISCJB	IV	04 09 24 32.9–.23	10.24N–.02	61.48W–.02	59–1	4.8b,4.3s		
FUNV	IV	04 09 24 33.9	10.16N	61.27W	43	4.4W,4.3s		
NEIC	IV	04 09 24 33.8	10.21N	61.23W	45	4.9b,4.4		
IDC	IV	04 09 24 33.4–.51	10.23N	61.45W	42–4	4.3,4.3		
TRN	IV	04 09 24 34.1	10.22N	61.23W	43	4.4,4.3		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=21.5km s-min=7.4km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=145.2.
NEIC Event type fe. Felt at Barrackpore, Carapichaima, Debe, Freeport, Penal, Rio Claro and Saint Joseph. After TRN.
IDC Error ellipse: s-maj=11.9km s-min=10.0km az=98.0.

(337) Eastern Caucasus

ISC	**IV**	**04 10 53 55.9–.84**	**42.55N–.02**	**47.70E–.03**	**13–5**		**69**	**0-15**
TIF	IV	04 10 53 54.2	42.78N	48.03E	19–5			¶14210569
MOS	IV	04 10 53 55.4–.66	42.53N	47.68E	9	4.2b		
CSEM	IV	04 10 53 56.3–.30	42.54N	47.71E	15	4.2b		
ISCJB	IV	04 10 53 56.6–.56	42.56N–.03	47.71E–.04	15–4	4.2b		

ISC Event type fe.
MOS Event type fe. Felt (II-III) at Sergokala. Moment Tensor Solution.
CSEM Event type ke.
ISCJB Event type fe.

(460) Wyoming

ISC	**IV**	**04 18 59 46.2–.64**	**43.75N–.02**	**105.31W–.03**	**0**	**4.3b**	**126**	**0-85**
IDC	IV	04 18 59 45.4–1.2	43.54N	105.29W	0	3.9b,3.8		¶12934449
ISCJB	IV	04 18 59 45.4–.23	43.75N–.02	105.28W–.03	0	4.0b,3.8		
NEIC	IV	04 18 59 46.4–.36	43.79N	105.19W	0	3.3L,3.8		

ISC Event type fm.
IDC Error ellipse: s-maj=24.6km s-min=8.7km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.9km s-min=2.2km az=166.3.
NEIC Event type fm. Error ellipse: s-maj=4.8km s-min=4.1km az=106.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(257) Negros

ISC	**IV**	**04 19 11 03.3–.36**	**9.44N–.03**	**122.20E–.04**	**41–2**	**4.4b,3.8s**	**215**	**2-147**
BJI	IV	04 19 11 01.9	9.35N	122.24E	49	4.8b,4.5b		¶15153556
MAN	IV	04 19 11 02	9.47N	122.08E	33	5.3b,4.6s		
NEIC	IV	04 19 11 02.3–.26	9.46N	122.24E	35	4.5b,4.6s		
ISCJB	IV	04 19 11 02.8–.46	9.47N–.02	122.22E–.03	48–5	4.3b,3.7s		
IDC	IV	04 19 11 03.1–.63	9.53N	122.25E	38–5	4.6L,4.1		
AUST	IV	04 19 11 19.9	7.00N	121.49E	60	4.6L,4.1		
DJA	IV	04 19 11 54.2–2.5	8N–9.0	120E–21	336–19	4.7b,4.2b		

ISC Event type fe.
MAN Event type fe. INTENSITY II - CAUAYAN NEGROS OCCIDENTAL.
NEIC Event type fe. Felt [II PIVS] at Cauayan.
ISCJB Event type fe.

(249) Luzon

MAN	**IV**	**04 20 03 30**	**16.43N**	**120.46E**	**77**	**4.4b,3.2L**		**¶14716859**

MAN Event type fe. INTENSITY I - BAGUIO CITY.

(70) Guatemala

ISC	**IV**	**04 20 55 52.6–1.2**	**14.33N–.03**	**90.38W–.03**	**0–7**	**4.3b,4.1s**	**150**	**0-146**
CASC	IV	04 20 55 49.9–3.9	14.36N	90.51W	0–10	4.6L,4.5b		¶12089189
NEIC	IV	04 20 55 51.8–.53	14.05N	90.57W	10	4.7,4.5b		
IDC	IV	04 20 55 52.8–.69	14.39N	90.45W	0	4.3,4.3L		

ISC Event type fe.
CASC Error ellipse: s-maj=7.7km s-min=8.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.4km s-min=6.7km az=217.0. Felt [II] at Ahuachapan, El Salvador.
IDC Error ellipse: s-maj=24.1km s-min=13.3km az=57.0.

(224) Hokkaido region

ISC	**IV**	**05 01 39 49.0–.74**	**42.69N–.04**	**142.10E–.04**	**97–6**	**3.7b**	**49**	**0-69**
ISCJB	IV	05 01 39 47.9–.38	42.68N–.03	142.12E–.05	104–3	3.6b		¶12934595
JMA	IV	05 01 39 48.2–.10	42.72N	142.13E	105–1	3.3		
MOS	IV	05 01 39 48.4–1.1	42.71N	142.04E	111	4.0b		
IDC	IV	05 01 39 49.8–1.9	42.76N	142.12E	103–10	3.4s,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.7km az=36.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=24.1km s-min=12.8km az=80.7.
IDC Error ellipse: s-maj=29.4km s-min=15.9km az=132.0.

(92) Leeward Islands

TRN	**IV**	**05 02 03 38.8**	**15.21N**	**60.31W**	**31**	**3.6,3.4**		**¶14682622**

TRN Event type fe. Felt II Guadeloupe, Martinique.

(70) Guatemala

ISC	**IV**	**05 02 10 46.6–.78**	**14.38N–.03**	**90.43W–.03**	**11–4**	**4.2b,4.1s**	**178**	**0-145**
BJI	IV	05 02 10 44.9	14.30N	90.60W	10	5.6b,5.1s		¶12088409
IDC	IV	05 02 10 44.5–.90	14.33N	90.37W	0	4.7L,4.3		
NEIC	IV	05 02 10 46.0–.49	14.31N	90.56W	10	4.6,4.4b		
CASC	IV	05 02 10 46.0–2.4	14.38N	90.46W	13–12	4.4L,4.4b		
ISCJB	IV	05 02 10 46.2–.37	14.41N–.03	90.46W–.03	18–3	4.2b,4.1s		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Ahuachapan, El Salvador.
ISCJB Event type fe.

(227) Eastern Honshu

ISC	**IV**	**05 04 56 27.6–1.0**	**36.59N–.04**	**139.18E–.04**	**16–8**		**17**	**0-60**
NIED	IV	05 04 56 00	36.60N	139.20E	17	3.3W		¶12088412
IDC	IV	05 04 56 24.5–2.1	36.77N	139.27E	0	4.0,3.8		
ISCJB	IV	05 04 56 27.2–.69	36.59N–.04	139.22E–.05	25–6	3.9b,3.8		
JMA	IV	05 04 56 28.3	36.60N	139.18E	11–1	3.4,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ72.00000°,λ20.00000°. NP2:ϕ_s252.00000°,δ71.00000°,λ161.00000°. $M_0$8.51000×10^{13}
IDC Error ellipse: s-maj=31.0km s-min=13.6km az=1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=6.4km az=160.1.
JMA Event type fe.

(159) North Island

WEL	**IV**	**05 05 16 57.7–.09**	**37.79S**	**176.78E**	**5**	**3.6L**		**¶14210610**

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.

(233) Near south coast of western Honshu

ISC	**IV**	**05 07 40 56.9–1.0**	**34.08N–.04**	**135.59E–.03**	**57–7**		**34**	**0-42**
IDC	IV	05 07 40 55.8–5.2	33.91N	135.75E	65–29	3.4L,3.3		¶12934579
JMA	IV	05 07 40 56.7–.10	34.06N	135.59E	61–1	3.2,3.3		
ISCJB	IV	05 07 40 56.0–.51	34.08N–.03	135.59E–.03	63–5	3.2b,3.3		

ISC Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s355.00000°,δ80.00000°,λ-22.00000°. NP2:ϕ_s89.00000°,δ68.00000°,λ-169.00000°. Principal axes: T Plg8.0000°,Azm43.0000°; N Plg66.0000°,Azm151.0000°; P Plg23.0000° ,Azm310.0000°
ISCJB Event type fe.

(224) Hokkaido region

ISC	**IV**	**05 08 00 24.8–.31**	**42.35N–.03**	**142.90E–.03**	**54–2**	**4.8b,4.1s**	**664**	**0-152**
NIED	IV	05 08 00 00	42.30N	143.00E	56	4.9W,4.1s		**¶13437960**
DJA	IV	05 08 00 20.4–1.2	43N–11	143E–20	25	5.4b,4.8		
BJI	IV	05 08 00 20.1	42.28N	143.16E	39	4.9b,4.8b		
SZGRF	IV	05 08 00 21.4	42.95N	146.09E	53	4.6b,4.2s		
MOS	IV	05 08 00 23.3–.86	42.37N	142.86E	52	5.1b,4.2s		
ISCJB	IV	05 08 00 24.4–.23	42.28N–.02	142.96E–.02	67–1	4.6b,4.2s		
TEH	IV	05 08 00 25.0	42.44N	142.84E	49	4.8L,4.2s		
JMA	IV	05 08 00 25.7–.10	42.32N	143.00E	54–1	4.8,4.2s		
NEIC	IV	05 08 00 26.1–.38	42.37N	142.84E	65–3	4.9W,4.8b		
GCMT	IV	05 08 00 28.0–.40	42.21N	143.09E	66–2	4.9W,4.8b		
IDC	IV	05 08 00 29.5–1.1	42.47N	142.86E	96–8	4.3,4.3		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ65.00000°,λ96.00000°. NP2:ϕ_s197.00000°,δ25.00000°,λ78.00000°. $M_0$2.57000×10^{16}
SZGRF Off southeast coast of Hokkaido, Japan.
MOS Error ellipse: s-maj=7.1km s-min=4.4km az=101.5.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.6km az=156.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s20.00000°,δ83.00000°,λ89.00000°. NP2: ϕ_s208.00000°,δ7.00000°,λ98.00000°. Principal axes: T Plg52.0000°,Azm289.0000° ; N Plg1.0000°,Azm20.0000°; P Plg38.0000°,Azm111.0000°
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.1km az=148.0. Recorded [3 JMA] in southern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu. Moment Tensor Solution. $M_0$2.60000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c38; s60,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}2.59±.14 $M_{\theta\theta}$-0.81±.12; $M_{\phi\phi}$-1.78±.13; $M_{r\theta}$0.33±.08; $M_{\theta\phi}$-1.23±.10; $M_{\phi r}$0.87±.08; Best double couple: NP1:ϕ_s219.00000°,δ36.00000°,λ97.00000°. NP2:ϕ_s30.00000°,δ55.00000°,λ85.00000°. Principal axes: T 2.7600,Plg79.0000° ,Azm279.0000°; N 0.0100,Plg4.0000°,Azm33.0000°; P -2.7700,Plg10.0000°,Azm123.0000° $M_0$2.80000×10^{16}
IDC Error ellipse: s-maj=11.1km s-min=8.3km az=129.0.

(235) Kyushu

ISC	**IV**	**05 09 36 26.5–.27**	**31.90N–.02**	**131.79E–.02**	**30–1**	**5.7b,5.5s**	**1586**	**0-167**
NIED	IV	05 09 36 00	31.90N	131.90E	32	5.8W,5.5s		**¶12742016**
BJI	IV	05 09 36 20.4	31.68N	132.17E	26	6.0s,5.9b		
IDC	IV	05 09 36 21.8–.33	31.94N	131.51E	0	5.5,5.5s		
SZGRF	IV	05 09 36 21.0	31.94N	132.19E	41	6.4s,5.7b		
NEIC	IV	05 09 36 26.2–.12	32.01N	131.42E	26	5.8b,5.8W		
ISCJB	IV	05 09 36 26.1–.08	32.00N–.02	131.44E–.02	32	5.7b,5.7s		
JMA	IV	05 09 36 26.3–.10	31.93N	131.89E	28–1	5.6,5.7s		
MOS	IV	05 09 36 26.2–1.3	32.00N	131.40E	33	5.9b,5.8s		
DJA	IV	05 09 36 28.1–2.1	32N–6.0	132E–6.0	40–22	6.2b,6.1		
TEH	IV	05 09 36 28.0	31.97N	131.76E	40	5.9L,6.1		
GCMT	IV	05 09 36 30.9–.10	31.78N	132.06E	34–0	5.8W,6.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ74.00000°,λ84.00000°. NP2:ϕ_s216.00000°,δ17.00000°,λ110.00000°. $M_0$4.88000×10^{17}
IDC Error ellipse: s-maj=11.9km s-min=9.9km az=91.0.
SZGRF Southeast of Shikoku, Japan.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.8km az=156.0. Felt at Kanoya, Kumamoto, Kurume, Miyazaki, Saiki and Shimabara. Recorded [4 JMA] in Miyazaki; [3 JMA] in Kagoshima, Kumamoto and Oita; [2 JMA] in Fukuoka, Nagasaki and Saga. Recorded [2 JMA] in Shimane and Yamaguchi and [1 JMA] in Hiroshima and Tottori, Honshu. Also recorded [2 JMA] in Ehime and Kochi, Shikoku. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s89 Moment tensor: Scale 10^{17}Nm; M_{rr}2.73 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-1.86 $M_{r\theta}$1.38 $M_{\theta\phi}$0.46 $M_{\phi r}$2.94 Best double couple: NP1:ϕ_s15.00000°,δ73.00000°,λ102.00000°. NP2:ϕ_s160.00000° ,δ21.00000°,λ57.00000°. Principal axes: T 4.5500,Plg60.0000°,Azm301.0000° ; N -1.2400,Plg11.0000°,Azm191.0000°; P -3.3100,Plg26.0000°,Azm95.0000° $M_0$4.10000×10^{17} Moment Tensor Solution. $M_0$4.90000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=146.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s58.00000°,δ71.00000°,λ78.00000°. NP2:ϕ_s271.00000°,δ22.00000°,λ121.00000°. Principal axes: T Plg62.0000°,Azm310.0000°; N Plg11.0000°,Azm62.0000°; P Plg25.0000° ,Azm157.0000°
MOS Error ellipse: s-maj=10.5km s-min=4.9km az=115.8.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=105, comp=217, per= 50. Moment Tensor Solution. s101,c209; s54,c59; Moment tensor: Scale 10^{17}Nm; M_{rr}4.15±.06 $M_{\theta\theta}$-1.02±.04; $M_{\theta\phi}$-3.14±.05; $M_{r\theta}$1.98±.07; $M_{\theta\phi}$-1.83±.04; $M_{\phi r}$3.28±.08; Best double couple: NP1:ϕ_s209.00000°,δ24.00000°,λ89.00000°. NP2:ϕ_s31.00000°,δ66.00000°,λ91.00000°. Principal axes: T 5.6400,Plg69.0000°,Azm302.0000°; N 0.0300,Plg1.0000°,Azm210.0000° ; P -5.6900,Plg21.0000°,Azm120.0000° $M_0$5.70000×10^{17}

(235) Kyushu

ISC	**IV**	**05 09 53 18.3–1.3**	**31.88N–.04**	**131.85E–.05**	**29–9**	**3.9b**	**64**	**0-88**
NIED	IV	05 09 53 00	31.90N	131.90E	32	4.4W		**¶15559671**
IDC	IV	05 09 53 14.2–.61	32.02N	131.58E	0	4.1,4.0		
NEIC	IV	05 09 53 16.0–.55	31.95N	131.75E	10	4.2b,4.0		
ISCJB	IV	05 09 53 17.1–.83	31.88N–.04	131.94E–.05	32–5	3.8b,4.0		
JMA	IV	05 09 53 18.4–.10	31.94N	131.87E	27–1	4.3,4.0		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ66.00000°,λ77.00000°. NP2:ϕ_s220.00000°,δ27.00000°,λ117.00000°. $M_0$4.58000×10^{15}
IDC Error ellipse: s-maj=19.8km s-min=15.2km az=100.0.
NEIC Event type fe. Error ellipse: s-maj=14.8km s-min=11.3km az=97.0. Recorded [1 JMA] in Kagoshima, Kumamoto, Miyazaki and Oita.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=6.3km az=24.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s31.00000°,δ80.00000°,λ81.00000°. NP2:ϕ_s254.00000°,δ14.00000°,λ132.00000°. Principal axes: T Plg54.0000°,Azm290.0000°; N Plg9.0000°,Azm33.0000°; P Plg34.0000° ,Azm129.0000°

(228) Near east coast of eastern Honshu

ISC	**IV**	**05 16 44 07.1–1.1**	**38.80N–.04**	**141.72E–.08**	**76–7**	**3.8b**	**29**	**0-50**
IDC	IV	05 16 44 02.1–9.8	39.38N	141.47E	0	3.8b,3.7		**¶12934557**
ISCJB	IV	05 16 44 06.4–.76	38.81N–.04	141.69E–.09	80–4	3.7b,3.7		
JMA	IV	05 16 44 08.0	38.79N	141.61E	73–1	3.4,3.7		

ISC Event type fe.
IDC Error ellipse: s-maj=188.3km s-min=41.8km az=100.0.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=6.1km az=17.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s200.00000°,δ76.00000°,λ70.00000°. NP2:ϕ_s76.00000°,δ24.00000°,λ143.00000°. Principal axes: T Plg55.0000°,Azm85.0000°; N Plg19.0000°,Azm205.0000°; P Plg28.0000° ,Azm306.0000°

(160) Off east coast of North Island

ISC	**IV**	**05 17 47 21.9–.77**	**39.47S–.02**	**177.09E–.03**	**33**	**4.0b**	**204**	**0-153**
IDC	IV	05 17 47 20.4–1.8	37.20S	177.22E	0	4.3,4.1		**¶14210633**
ISCJB	IV	05 17 47 21.4–.34	39.54S–.02	177.19E–.04	33	3.9b,4.1		
WEL	IV	05 17 47 22.6–.10	39.48S	177.15E	25–0	4.2L,4.1		
NEIC	IV	05 17 47 22.7	39.48S	177.15E	26	4.2L,4.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=47.0km s-min=19.9km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.7km az=18.5.
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.6km az=90.0. Felt in the Hawke"s Bay region, maximum reported intensity MM 5.
NEIC Event type fe. Felt at Greenmeadows, Mahor, Napier, Onekawa and Taradale. After WEL.

(227) Eastern Honshu

ISC	**IV**	**05 17 50 05.4–.76**	**39.12N–.04**	**141.01E–.05**	**16**	**3.6b**	**18**	**0-63**
NIED	IV	05 17 50 00	39.10N	141.00E	5	3.7W		**¶12934552**
IDC	IV	05 17 50 02.9–1.2	39.16N	141.23E	0	3.7,3.5		
ISCJB	IV	05 17 50 04.4–.61	39.18N–.04	141.12E–.06	16	3.6b,3.5		
JMA	IV	05 17 50 05.4	39.12N	140.97E	8–1	3.9,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ68.00000°,λ91.00000°. NP2: ϕ_s187.00000°,δ22.00000°,λ88.00000°. $M_0$3.76000×10^{14}
IDC Error ellipse: s-maj=28.3km s-min=22.0km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=5.1km az=162.2.
JMA Event type fe.

(545) Northern Italy

ISC	**IV**	**05 20 20 53.1–.40**	**44.24N–.01**	**11.98E–.01**	**20–1**	**4.6b,4.2s**	**1677**	**0-144**
IDC	IV	05 20 20 49.9–.49	44.28N	11.93E	0	4.6,4.5		**¶13438006**
BJI	IV	05 20 20 49.1	44.63N	11.71E	8	5.1b,4.9s		
GEN	IV	05 20 20 50.6	43.94N	12.24E	5	4.7L,4.9s		
MOS	IV	05 20 20 51.9–.99	44.34N	11.96E	26	4.9b,4.0s		
ISCJB	IV	05 20 20 51.8–.20	44.302N–.01	12.04E–.01	19–1	4.5b,4.2s		
PDG	IV	05 20 20 52.6–1.0	44.33N	11.99E	26–1	4.8L,4.2s		
ZUR	IV	05 20 20 52.9	44.44N	11.76E	4–11	4.5L,4.2s		
CRAAG	IV	05 20 20 52.4	44.33N	11.98E		4.8W,4.2s		
LDG	IV	05 20 20 52.3–.07	44.36N	12.11E	20	4.7L,4.2s		
PRU	IV	05 20 20 53.6	44.36N	11.93E	20	4.6,4.2s		
TIR	IV	05 20 20 53.5–4.1	42.84N	12.80E	0–499	4.6,4.2s		
VIE	IV	05 20 20 53.9–1.2	44.41N	12.03E	12–9	4.7L,4.6s		
CSEM	IV	05 20 20 53.1–.05	44.31N	11.98E	20	4.8s,4.8W		
NEIC	IV	05 20 20 53.0	44.24N	12.00E	28	4.8W,4.7L		
ROM	IV	05 20 20 53.3–.09	44.23N	11.91E	24–1	4.6L,4.7L		
STR	IV	05 20 20 55.4–.50	44.43N	11.65E	10	4.8L,4.7L		
DJA	IV	05 20 21 01.7–7.7	44N–16	12E–42	76–54	4.7b,4.6		

ISC Event type fe.
ISCJB Event type fe.
PDG Event type ke.
ZUR Event type ke.
LDG Event type ke.
CSEM Event type ke.
NEIC Event type fe. Felt [V] at Savignano sul Rubicone and Solarolo; [IV] at Bellaria-Igea Marina, Castel Bolognese, Castrocaro Terme, Cervia, Cesena, Faenza, Forli, Forlimpopoli, Imola, Pesaro, Ravenna and Rimini; [III] at Ancona, Arezzo, Bologna, Fano, Ferrara, Florence, Lugo, Padova, Trieste and Venice. Felt in much of Emilia Romagna, Marche, Toscana, Umbria and Veneto and in parts of Lazio, Liguria, Lombardia and Trentino-Alto Adige. Also felt at Ljubljana, Slovenia. After ROM. Moment Tensor Solution. $M_0$1.80000×10^{16}
ROM Event type ke.
STR Event type ke.

(97) Near coast of Venezuela

ISC	**IV**	**05 20 24 13.8–1.0**	**10.84N–.03**	**66.99W–.02**	**10–6**	**3.6b,3.6s**	**75**	**0-148**
ISCJB	IV	05 20 24 12.3–.68	10.85N–.03	67.03W–.02	5–5	3.9s,3.7b		**¶12089193**
NEIC	IV	05 20 24 13.6–.76	10.76N	66.84W	10	4.3b,4.3W		
IDC	IV	05 20 24 13.1–.92	10.97N	66.89W	0	4.0,3.9		
FUNV	IV	05 20 24 14.8	10.73N	67.03W	3	4.3W,3.9		
BJI	IV	05 20 24 15.5	10.80N	66.60W	10	5.0s,4.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.7km az=7.2.
NEIC Event type fe. Error ellipse: s-maj=14.8km s-min=8.8km az=109.0. Felt [IV] at Caraballeda, Caracas, La Guaira, Los Teques, Maiquetia, Petare and San Antonio de los Altos; [III] at Baruta, Chacao, El Hatillo, Los Dos Caminos and Maracay; [II] at El Cafetal, La Victoria and Valencia. Also felt at Altagracia de Orituco, Carrizal, El Limon, Guarenas, Guatire and Puerto Cabello.
IDC Error ellipse: s-maj=27.2km s-min=22.7km az=8.0.

(381) Central Italy

ISC	**IV**	**05 20 48 55.9–.47**	**42.34N–.01**	**13.37E–.01**	**12–2**	**4.0b,3.8s**	**521**	**0-79**
BJI	IV	05 20 48 53.4	42.40N	13.40E	10	4.7s,4.6b		**¶16194188**
BEO	IV	05 20 48 54.6–1.0	42.23N	13.06E	20–37	4.2L,4.6b		
ISCJB	IV	05 20 48 54.4–.21	42.34N–.01	13.34E–.01	13–1	4.0b,3.9s		
IDC	IV	05 20 48 54.7–.98	42.43N	13.28E	0	3.8,3.7L		
CSEM	IV	05 20 48 54.9–.09	42.32N	13.33E	2	4.3L,4.2b		
MOS	IV	05 20 48 54.1–1.1	42.33N	13.34E	13	4.2b,4.2b		
NEIC	IV	05 20 48 54.0	42.33N	13.37E	8	4.2W,4.1L		
ROM	IV	05 20 48 54.4–.07	42.33N	13.38E	10–0	3.9L,4.1L		
PDG	IV	05 20 48 55.5–.67	42.34N	13.38E	8–1	3.8L,4.1L		
LDG	IV	05 20 48 55.1–.17	42.35N	13.47E	2	3.6L,4.1L		
STR	IV	05 20 48 56.2–.00	42.36N	13.37E	10	3.6L,4.1L		
PRU	IV	05 20 48 57.7	42.59N	13.35E	0	4.5,4.1L		

ISC Event type fe.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=20.8.
IDC Error ellipse: s-maj=17.3km s-min=14.3km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=17.0.
MOS Error ellipse: s-maj=5.7km s-min=4.3km az=81.7.
NEIC Event type fe. Felt [IV] at L'Aquila and Scoppito and [II] at Cassino, Pomezia, Rieti, Rocca di Papa, Rome, Sulmona and Terni. After ROM. Moment Tensor Solution. $M_0$2.60000×10^{15}
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=85.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=15.0.
STR Event type ke.

(160) Off east coast of North Island

ISC	**IV**	**05 20 51 36.8–1.6**	**38.71S–.04**	**178.40E–.07**	**6–8**	**4.1b,3.8s**	**167**	**0-154**
IDC	IV	05 20 51 36.9–1.1	38.53S	178.41E	0	4.2,4.1b		**¶12934542**
WEL	IV	05 20 51 40.3–.23	38.67S	178.48E	27–1	4.2L,4.1b		
NEIC	IV	05 20 51 40.4	38.67S	178.46E	27	4.2L,4.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=61.0km s-min=21.2km az=14.0.
WEL Event type fe. Error ellipse: s-maj=2.6km s-min=0.9km az=90.0. Felt from Gisborne to Hawke"s Bay, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] at Gisborne. After WEL.

(289) Timor region

ISC	**IV**	**05 22 11 17.6–.31**	**9.40S–.04**	**124.08E–.05**	**35–3**	**4.8b,4.0s**	**179**	**2-152**
IDC	IV	05 22 11 11.9–.55	9.23S	124.13E	0	4.6,4.5		**¶12089195**
ISCJB	IV	05 22 11 13.9–.63	9.45S–.03	124.22E–.04	33–6	4.7b,4.0s		
BJI	IV	05 22 11 15.0	9.40S	124.00E	35	5.0b,4.8b		
NEIC	IV	05 22 11 17.2–.25	9.35S	124.04E	35	4.7b,4.8b		
DJA	IV	05 22 11 20.1–.50	10S–3.0	124E–3.0	41–8	5.5,5.2b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Kupang.

(101) Venezuela

ISC	**IV**	**06 00 26 42.6–1.2**	**10.80N–.03**	**69.70W–.03**	**5–7**	**4.4b**	**138**	**0-154**
BJI	IV	06 00 26 41.1	10.80N	69.70W	5	5.4b,5.1s		**¶12089199**
ISCJB	IV	06 00 26 41.1–.67	10.85N–.02	69.70W–.02	3–4	4.7s,4.2b		
IDC	IV	06 00 26 42.2–.61	10.91N	69.76W	0	4.3,4.1		
FUNV	IV	06 00 26 43.2	10.77N	69.72W	3	4.2W,4.1		
NEIC	IV	06 00 26 43.1	10.77N	69.72W	2	4.6b,4.0W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.1km az=167.6.
IDC Error ellipse: s-maj=18.1km s-min=14.9km az=46.0.
NEIC Event type fe. Felt at Coro and in Lara. After CAR.

(160) Off east coast of North Island

ISC	**IV**	**06 00 40 58.6–3.2**	**38.69S–.03**	**178.55E–.06**	**13–19**	**4.1b**	**101**	**0-154**
IDC	IV	06 00 40 57.5–.83	38.37S	178.45E	0	4.3,4.2		**¶12791406**
WEL	IV	06 00 40 59.4–.39	38.68S	178.64E	29–1	4.4L,4.2		
NEIC	IV	06 00 41 00.7	38.67S	178.45E	24	4.4L,4.2		

ISC Event type fe.
IDC Error ellipse: s-maj=30.4km s-min=17.5km az=21.0.
WEL Event type fe. Error ellipse: s-maj=3.5km s-min=1.4km az=90.0. Felt from Gisborne to Hawke"s Bay, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Gisborne. After WEL.

(381) Central Italy

ISC	**IV**	**06 01 32 42.6–.23**	**42.37N–.01**	**13.32E–.01**	**14–1**	**6.2s,5.9b**	**3731**	**0-166**
BGS	IV	06 01 32 37.1–3.0	41.70N	12.67E	10	5.8s,5.6b		**¶13438018**
MDD	IV	06 01 32 38.4–2.4	42.43N	13.79E	0	6.2b,5.6b		
BJI	IV	06 01 32 38.0	42.45N	12.89E	10	6.8s,6.6		
ISCJB	IV	06 01 32 39.5–.18	42.380N–.01	13.367E–.01	2–1	6.2s,5.8b		
STR	IV	06 01 32 39.4–.75	42.28N	13.57E	5	5.8L,5.8b		
BEO	IV	06 01 32 39.3–.56	42.25N	13.15E	1–12	6.5L,5.8b		
NEIC	IV	06 01 32 39.0	42.33N	13.33E	9	6.3W,6.3W		
LDG	IV	06 01 32 39.8–.11	42.38N	13.45E	2	5.8s,5.6L		
PDA	IV	06 01 32 39.0	42.33N	13.33E	9	6.3W,5.6L		
PRU	IV	06 01 32 39.6	42.25N	13.53E	0	5.9,5.6L		
MOS	IV	06 01 32 40.7–1.1	42.43N	13.32E	14	6.2s,6.0b		

ROM	IV	06 01 32 40.4–.05	42.34N	13.38E	8–0	5.9L,6.0b
IDC	IV	06 01 32 40.7–.32	42.46N	13.28E	0	6.2,6.2s
CSEM	IV	06 01 32 40.9–.04	42.37N	13.33E	2	6.2W,6.1s
PDG	IV	06 01 32 40.4–1.0	42.40N	13.37E	6–1	6.2L,6.2
IGIL	IV	06 01 32 40.4	42.38N	13.32E	2	5.7b,6.2
NIC	IV	06 01 32 41.4–1.0	42.38N	13.32E	2	5.7b,6.2
TIR	IV	06 01 32 41.9	42.67N	14.15E	0	5.7b,6.2
CRAAG	IV	06 01 32 41.4	42.38N	13.32E		6.3W,6.2
SFS	IV	06 01 32 42.0	42.62N	13.39E	10	6.3L,6.2
TEH	IV	06 01 32 42.0	42.42N	13.40E	10	6.3L,6.2
THE	IV	06 01 32 43.7	42.37N	13.77E	1–12	6.5L,6.2
GEN	IV	06 01 32 43.6	42.33N	13.33E	9	5.8L,6.2
GCMT	IV	06 01 32 49.2–.10	42.29N	13.35E	12	6.3W,6.2

ISC Event type de.
BGS Error ellipse: s-maj=99.0km s-min=47.5km az=-1.0.
MDD Error ellipse: s-maj=35.6km s-min=21.2km az=19.0.
ISCJB Event type de. Error ellipse: s-maj=1.2km s-min=0.8km az=18.8.
STR Event type ke.
BEO Event type ke.
NEIC Event type de. At least 295 people killed, 1,000 injured, 55,000 homeless, 15,000 buildings damaged or destroyed and landslides in the L'Aquila area. Felt [VII] at L'Aquila; [VI] at Corfinio and San Demetrio ne' Vestini; [V] at Avezzano, Chieti, Pescara, Rieti, San Benedetto del Tronto, Sulmona and Teramo; [IV] at Amelia, Ancona, Ascoli Piceno, Castelfrentano, Fiumicino, Fondi, Francavilla al Mare, Frosinone, Guidonia, Isernia, Lanciano, Latina, Macerata, Montesilvano, Naples, Osimo, Pesaro, Rome and Terni. Felt throughout central Italy and as far north as Florence, Milan and Venice and as far south as Bari and Salerno. Also felt in San Marino and at Vienna, Austria; Tirana, Albania; Knin, Croatia; Nuremberg, Germany; San Gwann, Malta; Celje, Slovenia; Zurich, Switzerland and Podgorica, Montenegro. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After ROM. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s220.00000°,δ65.00000°,λ-30.00000°. NP2: ϕ_s324.00000°,δ63.00000°,λ-152.00000°. Principal axes: T Plg1.0000°,Azm272.0000° ; N Plg0.0000°,Azm0.0000°; P Plg38.0000°,Azm181.0000° Moment Tensor Solution. s99 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.34 $M_{\theta\theta}$0.92 $M_{\phi\phi}$1.42 $M_{r\theta}$-1.72 $M_{\theta\phi}$-0.81 $M_{\phi r}$-0.60 Best double couple: NP1:ϕ_s113.00000°,δ60.00000°,λ-118.00000°. NP2:ϕ_s340.00000° ,δ40.00000°,λ-51.00000°. Principal axes: T 2.1200,Plg10.0000°,Azm222.0000° ; N 1.1200,Plg23.0000°,Azm128.0000°; P -3.2500,Plg63.0000°,Azm335.0000° M_o2.80000×10^{18} Moment Tensor Solution. M_o2.30000×10^{18} Moment Tensor Solution. M_o3.70000×10^{18}
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=33.0.
PRU Damaging Earthquake In Aquila, 287 Victims.
MOS Error ellipse: s-maj=10.8km s-min=6.9km az=104.1.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=59.0.
IDC Error ellipse: s-maj=9.3km s-min=7.0km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=19.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
NIC Earthquake Central Italy 7 km NW LAquila.
SFS Event type ke.
THE Event type ke. Error ellipse: s-maj=20.5km s-min=1.4km az=284.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 103 sta. Surface waves: sta=124, comp=305, per= 50. Moment Tensor Solution. s112,c270; s99,c179; Moment tensor: Scale 10^{18}Nm; M_{rr}-3.30±.02 $M_{\theta\theta}$1.43±.02; $M_{\phi\phi}$1.87±.02; $M_{r\theta}$-1.43±.04; $M_{\theta\phi}$-1.77±.01; $M_{\phi r}$-0.27±.04; Best double couple: NP1:ϕ_s336.00000°,δ42.00000°,λ-62.00000°. NP2:ϕ_s120.00000°,δ54.00000°,λ-113.00000°. Principal axes: T 3.5200,Plg7.0000° ,Azm226.0000°; N 0.2800,Plg18.0000°,Azm134.0000°; P -3.8000,Plg70.0000° ,Azm335.0000° M_o3.70000×10^{18}

(381) Central Italy

ISC	**IV**	**06 02 27 47.4–.70**	**42.39N–.02**	**13.30E–.01**	**8–4**	**4.0b**	**604**	**0-81**
STR	IV	06 02 27 35.0–2.8	41.87N	14.42E	10	3.8L		**¶16194199**
ISCJB	IV	06 02 27 45.9–.20	42.40N–.01	13.28E–.01	9–1	4.4s,3.9b		
LDG	IV	06 02 27 46.7–.11	42.36N	13.30E	2	3.8L,3.9b		
IDC	IV	06 02 27 46.6–.74	42.47N	13.30E	0	4.5,4.5s		
NEIC	IV	06 02 27 46.0	42.37N	13.34E	10	4.2b,4.0L		
MOS	IV	06 02 27 46.2–.99	42.48N	13.29E	10	4.2b,4.0L		
ROM	IV	06 02 27 46.3–.10	42.37N	13.32E	8–1	3.9L,4.0L		
PDG	IV	06 02 27 47.8–1.6	42.41N	13.29E	8–1	3.9L,4.0L		
PRU	IV	06 02 27 47.4	42.44N	13.43E	0	4.2,4.0L		
CSEM	IV	06 02 27 47.0–.08	42.38N	13.27E	5	4.2L,4.1b		

ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=18.1.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=38.0.
IDC Error ellipse: s-maj=12.6km s-min=10.4km az=122.0.
NEIC Event type fe. Felt [III] at Rome. Also felt at Foligno. After ROM.
MOS Error ellipse: s-maj=5.3km s-min=4.2km az=74.3.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=34.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=20.0.

(228) Near east coast of eastern Honshu

ISC	**IV**	**06 02 31 20.9–1.5**	**39.21N–.04**	**142.31E–.07**	**25–10**	**4.0b**	**47**	**1-78**
NEIC	IV	06 02 31 19.9	39.19N	142.39E	33	4.5b		**¶12934687**
JMA	IV	06 02 31 19.9–.10	39.19N	142.39E	33–1	4.4		
ISCJB	IV	06 02 31 20.8–.83	39.19N–.04	142.32E–.08	41–6	3.9b		
IDC	IV	06 02 31 25.5–2.5	39.10N	142.24E	71–23	3.7,3.6		

ISC Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Aomori, Iwate and Miyagi. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s42.00000°,δ69.00000°,λ91.00000°. NP2:ϕ_s219.00000°,δ21.00000°,λ88.00000°. Principal axes: T Plg66.0000°,Azm313.0000°; N Plg1.0000°,Azm221.0000°; P Plg24.0000° ,Azm131.0000°
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=5.4km az=18.3.
IDC Error ellipse: s-maj=17.4km s-min=15.3km az=107.0.

(381) Central Italy

ISC	**IV**	**06 02 37 06.0–.35**	**42.39N–.01**	**13.31E–.01**	**15–1**	**4.9s,4.6b**	**1649**	**0-128**
STR	IV	06 02 36 55.2–3.6	41.96N	14.27E	10	4.6L,4.6b		**¶13438019**
BJI	IV	06 02 36 59.8	42.51N	12.61E	6	5.7b,5.1s		
TIR	IV	06 02 37 02.7	41.87N	13.95E	0	5.7b,5.1s		
ISCJB	IV	06 02 37 03.4–.22	42.45N–.01	13.33E–.01	3–1	5.0s,4.5b		
MOS	IV	06 02 37 03.9–1.0	42.46N	13.32E	10	4.7b,4.4s		
THE	IV	06 02 37 03.2	42.60N	13.31E	0–24	5.0L,4.4s		
LDG	IV	06 02 37 04.2–.10	42.42N	13.33E	2	4.6L,4.4s		
ROM	IV	06 02 37 04.2–.09	42.36N	13.33E	9–1	4.6L,4.4s		
NEIC	IV	06 02 37 04.0	42.37N	13.34E	10	5.1W,4.9b		
IDC	IV	06 02 37 04.2–.43	42.47N	13.21E	0	4.4,4.4		
CSEM	IV	06 02 37 04.5–.05	42.40N	13.30E	2	5.0L,4.9W		
BEO	IV	06 02 37 05.3–.72	42.47N	13.31E	1–15	4.8L,4.9W		
PRU	IV	06 02 37 05.1	42.42N	13.52E	0	4.9,4.9W		
PDG	IV	06 02 37 05.2–1.1	42.43N	13.32E	9–1	4.6L,4.9W		
TEH	IV	06 02 37 06.0	42.51N	13.40E	10	4.8L,4.9W		
GEN	IV	06 02 37 07.2	42.37N	13.34E	10	4.6L,4.9W		

ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.2km az=21.4.
MOS Error ellipse: s-maj=3.5km s-min=2.5km az=99.5.
THE Event type ke. Error ellipse: s-maj=38.5km s-min=3.0km az=284.0.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=40.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=42.0.
NEIC Event type fe. Felt [VI] at L'Aquila; [V] at Rieti and Teramo; [IV] at Ascoli Piceno, Avezzano, Chieti, Pescara, Roseto degli Abruzzi, Sulmona and Tivoli; [III] at Ancona, Foligno, Rome and Terni. Felt throughout central Italy and as far as Cesena and Naples. After ROM. Moment Tension Solution. M_o2.70000×10^{16} Moment Tensor Solution. M_o5.50000×10^{16}
IDC Error ellipse: s-maj=9.9km s-min=8.0km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=23.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.

(381) Central Italy

ISC	**IV**	**06 03 56 47.8–.38**	**42.35N–.02**	**13.37E–.01**	**13–2**	**4.4b,3.9s**	**988**	**0-84**
STR	IV	06 03 56 32.4–2.7	41.69N	14.63E	10	4.2L,3.9s		**¶16194205**
BJI	IV	06 03 56 40.5	42.22N	12.40E	6	5.1b,4.8s		
TIR	IV	06 03 56 43.5	42.20N	13.90E	0	5.1b,4.8s		
ISCJB	IV	06 03 56 45.6–.20	42.38N–.01	13.36E–.01	10–1	4.4b,4.1s		
NEIC	IV	06 03 56 45.0	42.34N	13.39E	10	4.6W,4.4b		
IDC	IV	06 03 56 45.8–.53	42.44N	13.27E	0	4.2,4.1		
LDG	IV	06 03 56 45.3–.17	42.38N	13.46E	2	4.2L,4.1		
ROM	IV	06 03 56 45.7–.09	42.34N	13.39E	9–1	4.1L,4.1		
MOS	IV	06 03 56 46.0–.90	42.41N	13.35E	15	4.4b,4.1		
CSEM	IV	06 03 56 46.2–.06	42.37N	13.36E	2	4.6W,4.4L		
PDG	IV	06 03 56 46.3–.75	42.39N	13.37E	9–1	4.0L,4.4L		
PRU	IV	06 03 56 46.8	42.39N	13.50E	0	4.4,4.4L		
BEO	IV	06 03 56 47.8–.68	42.37N	13.25E	23–17	4.3L,4.4L		

ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=23.1.
NEIC Event type fe. Felt [III] at Rome and Sulmona. Also felt at Bettona, Lanciano, Montesilvano, Naples, Ortona, Perugia, Quarto, Rieti and Terni. After ROM. Moment Tensor Solution. M_o9.50000×10^{15}
IDC Error ellipse: s-maj=10.9km s-min=9.1km az=111.0.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=167.0.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=56.0.
MOS Error ellipse: s-maj=3.7km s-min=2.8km az=101.1.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=15.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=90.0.
BEO Event type ke.

(381) Central Italy

ISC	**IV**	**06 04 47 54.4–.72**	**42.37N–.01**	**13.33E–.01**	**8–4**	**3.7b**	**421**	**0-67**
STR	IV	06 04 47 48.9–3.5	42.18N	13.81E	10	3.6L		**¶16194207**
LDG	IV	06 04 47 53.7–.12	42.34N	13.35E	2	3.6L		
BEO	IV	06 04 47 53.5–.86	42.30N	13.26E	0	3.9L		
ISCJB	IV	06 04 47 53.4–.20	42.37N–.01	13.32E–.02	9–1	3.6b		
NEIC	IV	06 04 47 53.0	42.35N	13.35E	9	4.0L,3.7L		
CSEM	IV	06 04 47 53.9–.09	42.36N	13.31E	2	3.9L,3.7L		
ROM	IV	06 04 47 53.6–.09	42.36N	13.36E	9–1	3.6L,3.7L		
IDC	IV	06 04 47 54.2–.97	42.49N	13.19E	0	3.7,3.6		
PDG	IV	06 04 47 54.5–1.3	42.35N	13.32E	6–1	3.8L,3.6		
PRU	IV	06 04 47 54.8	42.36N	13.52E	0	3.8L,3.6		

ISC Event type fe.
STR Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=43.0.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=18.9.
NEIC Event type fe. Felt [II] at Albano Laziale, Cassino, Foligno, Rome and Sulmona. After ROM.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=25.0.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=81.0.
IDC Error ellipse: s-maj=17.0km s-min=13.0km az=96.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.5km az=0.0.

(97) Near coast of Venezuela

ISC	**IV**	**06 04 51 37.6–1.1**	**10.83N–.03**	**67.90W–.02**	**7–7**	**4.5b,3.9s**	**350**	**0-157**
ISCJB	IV	06 04 51 35.7–.72	10.86N–.02	67.89W–.02	3–5	4.5b,3.9s		**¶12934678**
NEIC	IV	06 04 51 37.3	10.80N	67.90W	1	4.6b,4.4W		
FUNV	IV	06 04 51 38.1	10.77N	67.90W	4	4.4W,4.4W		
IDC	IV	06 04 51 39.6–4.6	10.80N	67.89W	20–29	4.2,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=3.0km az=14.1.
NEIC Event type fe. Felt [III] at Caracas. Also felt at Chacao, El Limon, Moron, Puerto Cabello and Valencia. After CAR.
IDC Error ellipse: s-maj=12.2km s-min=10.3km az=106.0.

(710) Pakistan

ISC	**IV**	**06 07 01 26.2–.60**	**34.82N–.03**	**73.10E–.03**	**15–3**	**4.5b,3.5s**	**239**	**1-148**
IDC	IV	06 07 01 23.9–.46	34.82N	73.15E	0	4.4,4.4		**¶13438035**
ISCJB	IV	06 07 01 24.8–.76	34.84N–.02	73.20E–.03	18–6	4.3b,3.4s		
NDI	IV	06 07 01 24.0–2.5	34.95N	72.73E	10	4.6b,4.4L		
NEIC	IV	06 07 01 26.1–1.1	34.77N	73.10E	13–7	4.6b,4.4L		
MOS	IV	06 07 01 27.2–.87	34.85N	73.11E	33	4.7b,4.4L		
BJI	IV	06 07 01 27.4	34.76N	73.73E	5	4.7b,4.5b		
NNC	IV	06 07 01 35.9–1.6	35.19N	72.86E	95–14	4.4,3.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=12.8km s-min=10.8km az=35.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.8km az=159.0.
NDI Error ellipse: s-maj=12.0km s-min=12.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.8km az=82.0. Felt at Rawalpindi.
MOS Error ellipse: s-maj=8.4km s-min=4.5km az=96.4.
NNC Error ellipse: s-maj=14.6km s-min=10.1km az=78.0.

(381) Central Italy

ISC	**IV**	**06 07 17 11.9–.46**	**42.38N–.02**	**13.37E–.02**	**9–2**	**4.3b,3.6s**	**663**	**0-126**
STR	IV	06 07 16 59.0–4.7	41.86N	14.58E	10	3.8L,3.6s		**¶16194229**
MOS	IV	06 07 17 10.8–.93	42.44N	13.36E	10	4.4b,3.6s		
PDG	IV	06 07 17 10.9–.41	42.43N	13.38E	9–1	4.2L,3.6s		
CSEM	IV	06 07 17 10.7–.07	42.36N	13.34E	2	4.4b,4.3W		
ROM	IV	06 07 17 10.1–.08	42.36N	13.38E	9–0	4.0L,4.3W		
NEIC	IV	06 07 17 10.0	42.36N	13.37E	9	4.4L,4.3b		
ISCJB	IV	06 07 17 10.2–.21	42.38N–.01	13.36E–.01	7–1	4.2b,3.7s		
PRU	IV	06 07 17 11.8	42.42N	13.46E	0	4.3,3.7s		
LDG	IV	06 07 17 11.7–.16	42.51N	13.49E	2	3.8L,3.7s		
IDC	IV	06 07 17 11.0–.65	42.52N	13.25E	0	4.1,4.0		

ISC Event type fe.
STR Event type ke.
MOS Error ellipse: s-maj=5.0km s-min=3.5km az=83.8.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=37.0.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=63.0.
NEIC Event type fe. Felt [III] at Ascoli Piceno and [II] at Cassino, Ciampino, Foligno, Grottaferrata, Pomezia, Rome and Sulmona. Also felt at Albano Laziale, Ancona, Aprilia, Atina, Avezzano, Castel Gandolfo, Chieti, Rieti, Rocca di Papa, Spoleto and Terni. After ROM. Moment Tensor Solution. M_o3.00000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=33.1.
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=2.4km az=19.0.
IDC Error ellipse: s-maj=12.8km s-min=9.6km az=103.0.

(207) Eastern New Guinea region

ISC	**IV**	**06 08 30 07.3–.36**	**5.56S–.04**	**145.74E–.05**	**68–2**	**4.8b**	**198**	**4-155**
BJI	IV	06 08 30 03.5	5.75S	146.11E	61	5.0s,5.0b		**¶15153575**
ISCJB	IV	06 08 30 06.5–1.0	5.55S–.04	145.73E–.04	72–10	4.5b,5.0b		
DJA	IV	06 08 30 09.3–1.2	5S–9.0	146E–12	69–9	6.7,5.7b		
IDC	IV	06 08 30 09.0–.71	5.55S	145.67E	83–6	4.3,4.3		
NEIC	IV	06 08 30 10.4–1.2	5.53S	145.68E	95–11	4.6b,4.3		
AUST	IV	06 08 30 12.5	5.80S	145.59E	100	4.6b,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=7.2km az=17.9.
IDC Error ellipse: s-maj=16.4km s-min=9.5km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=7.6km az=92.0. Felt at Goroka.

(249) Luzon

ISC	**IV**	**06 10 37 31.2–1.3**	**13.14N–.06**	**123.66E–.05**	**41–13**	**4.1b,3.3s**	**49**	**1-92**
IDC	IV	06 10 37 25.5–.69	13.09N	123.61E	0	4.1,4.0b		**¶12934650**
MAN	IV	06 10 37 28	13.24N	123.69E	37	5.4b,4.5s		
ISCJB	IV	06 10 37 29.9–.70	13.14N–.05	123.65E–.05	48–7	4.1b,3.3s		
NEIC	IV	06 10 37 32.2–2.0	13.07N	123.61E	52–17	4.6b,3.3s		

ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=14.3km az=73.0.
MAN Event type fe. INTENSITY V - GUINOBATAN ALBAY PROPER; INTENSITY IV - SALUGAN CAMALIG; INTENSITY III - LEGASPI CITY PROPER.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=6.0km az=137.7.
NEIC Event type fe. Error ellipse: s-maj=19.5km s-min=6.2km az=71.0. Felt [V PIVS] at Guinobatan; [IV PIVS] at Camalig and Salugan; [III PIVS] at Legaspi; [II PIVS] at Buang and Tabaco.

(381) Central Italy

ISC	**IV**	**06 16 38 10.9–.64**	**42.36N–.01**	**13.33E–.01**	**10–3**	**4.3b,3.8s**	**708**	**0-87**
STR	IV	06 16 37 43.6–6.9	41.17N	15.71E	10	3.9L,3.8s		**¶12576617**
BJI	IV	06 16 38 08.6	42.38N	12.45E	33	5.0b,4.5b		
ISCJB	IV	06 16 38 09.3–.19	42.39N–.01	13.31E–.01	9–1	4.2b,3.8s		
MOS	IV	06 16 38 09.8–.87	42.44N	13.34E	10	4.4b,3.8s		
LDG	IV	06 16 38 09.6–.10	42.41N	13.39E	2	3.9L,3.8s		
IDC	IV	06 16 38 10.0–.96	42.47N	13.18E	0	3.9,3.9b		
NEIC	IV	06 16 38 09.0	42.36N	13.33E	10	4.4W,4.3b		

ROM IV 06 16 38 09.7–.07 42.36N 13.34E 10–0 4.1L,4.3b
PDG IV 06 16 38 10.3–.27 42.40N 13.35E 10–0 4.0L,4.3b
CSEM IV 06 16 38 10.0–.08 42.37N 13.31E 2 4.5L,4.4b
GEN IV 06 16 38 11.3 42.36N 13.33E 10 3.9L,4.4b
PRU IV 06 16 38 11.4 42.43N 13.44E 0 4.3,4.4b
ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=28.6.
MOS Error ellipse: s-maj=5.5km s-min=3.5km az=83.4.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=41.0.
IDC Error ellipse: s-maj=15.6km s-min=13.2km az=82.0.
NEIC Event type fe. Felt [III] at Ascoli Piceno and Sulmona and [II] at Ancona, Avezzano, Cassino, Foligno, Isernia, Latina, Mentana, Pomezia, Rieti, Rocca di Papa, Rome, Spoleto and Terni. Also felt at Albano Laziale, Chieti, Ciampino, Falconara Marittima, Fonte Nuova, Perugia and Viterbo. After ROM. Moment Tensor Solution. $M_0$5.50000×10^{15}
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=69.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.2km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=34.0.

(460) Wyoming

ISC	**IV**	**06 18 03 37.2–.58**	**43.75N–.02**	**105.30W–.02**	**0**		**237**	**0-85**
ISCJB	IV	06 18 03 36.5–.15	43.77N–.01	105.30W–.02	0	3.8b		¶12934626
NEIC	IV	06 18 03 37.5–.32	43.80N	105.25W	0	3.3L		
IDC	IV	06 18 03 37.1–1.9	43.73N	105.43W	0	3.8,3.7b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.4km az=166.0.
NEIC Event type fm. Error ellipse: s-maj=4.3km s-min=4.0km az=133.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=52.1km s-min=9.2km az=150.0.

(717) Afghanistan-Tajikistan border region

ISC	**IV**	**06 18 11 49.8–.34**	**36.31N–.03**	**71.07E–.03**	**103–3**	**4.7b**	**538**	**2-95**
BJI	IV	06 18 11 45.8	36.28N	70.80E	82	4.8b,4.7b		¶12576619
ISCJB	IV	06 18 11 48.0–.34	36.26N–.02	71.14E–.03	101–4	4.6b,4.7b		
MOS	IV	06 18 11 47.9–1.1	36.27N	71.10E	101	4.7b,4.7b		
IDC	IV	06 18 11 49.6–.68	36.19N	71.07E	108–5	4.3,4.3		
NEIC	IV	06 18 11 50.0–.22	36.29N	71.09E	108	4.7b,4.3		
NNC	IV	06 18 11 51.3–4.8	36.63N	70.54E	85–42	5.2,4.5b		
DJA	IV	06 18 11 53.2–1.8	36N–26	71E–8.0	110–15	5.0,4.9		
SZGRF	IV	06 18 12 44.8	41.46N	65.07E	78	4.6b,4.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=154.7.
MOS Error ellipse: s-maj=5.6km s-min=3.6km az=104.3.
IDC Error ellipse: s-maj=11.1km s-min=8.3km az=15.0.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.2km az=181.0. Felt at Kabul and Mazar-e Sharif.
NNC Error ellipse: s-maj=35.9km s-min=31.7km az=151.0.
SZGRF Central Kazakhstan.

(162) South Island

ISC	**IV**	**06 20 10 13.2–.63**	**41.71S–.04**	**172.97E–.04**	**90–4**	**4.3b**	**169**	**0-152**
ISCJB	IV	06 20 10 12.3–.27	41.75S–.03	172.97E–.05	103–4	4.3b		¶12934619
WEL	IV	06 20 10 13.9–.19	41.66S	172.90E	91–1	4.5L		
IDC	IV	06 20 10 13.6–.77	41.41S	172.97E	84–6	4.0,3.9b		
NEIC	IV	06 20 10 13.4–.26	41.77S	173.02E	97–5	4.5b,4.5L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.3km az=38.9.
WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.5km az=90.0. Felt from Nelson to Canterbury, and from West Coast to Wellington, maximum. reported intensity MM 5.
IDC Error ellipse: s-maj=21.6km s-min=13.2km az=146.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=3.2km az=128.0. Felt in the northwestern part of the South Island.

(460) Wyoming

ISC	**IV**	**06 20 12 38.3–.58**	**43.64N–.02**	**105.30W–.02**	**0**		**154**	**0-82**
IDC	IV	06 20 12 36.3–1.7	43.32N	105.22W	0	4.0,4.0b		¶12934618
ISCJB	IV	06 20 12 38.1–.20	43.66N–.01	105.28W–.02	0	4.1b,4.0b		
NEIC	IV	06 20 12 39.1–.35	43.69N	105.26W	0	3.2L,4.0b		

ISC Event type fm.
IDC Error ellipse: s-maj=42.1km s-min=8.3km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.7km az=159.0.
NEIC Event type fm. Error ellipse: s-maj=5.0km s-min=4.2km az=147.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(2) Southern Alaska

ISC	**IV**	**06 20 31 19.2–.61**	**60.32N–.03**	**152.65W–.04**	**122–5**	**4.1b**	**125**	**0-150**
IDC	IV	06 20 31 17.2–1.1	60.34N	152.76W	100–12	3.9,3.9		¶12934617
ISCJB	IV	06 20 31 18.2–.22	60.34N–.03	152.61W–.06	124–2	4.1b,3.9		
NEIC	IV	06 20 31 20.5	60.32N	152.65W	110	3.8,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=18.2km s-min=9.4km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=39.7.
NEIC Event type fe. Felt at Homer. After AEIC.

(381) Central Italy

ISC	**IV**	**06 21 56 54.8–.66**	**42.39N–.02**	**13.33E–.02**	**11–4**	**3.8b**	**476**	**0-81**
STR	IV	06 21 56 44.5–4.4	41.97N	14.37E	10	3.6L		¶14836840
ROM	IV	06 21 56 53.9–.06	42.38N	13.34E	10–0	3.9L		
NEIC	IV	06 21 56 53.0	42.40N	13.32E	10	4.1b,3.8L		
ISCJB	IV	06 21 56 53.7–.19	42.40N–.01	13.31E–.01	11–1	3.8b,3.4s		
LDG	IV	06 21 56 54.0–.12	42.41N	13.40E	2	3.6L,3.4s		
IDC	IV	06 21 56 54.6–.96	42.50N	13.23E	0	3.8,3.7L		
CSEM	IV	06 21 56 54.3–.08	42.39N	13.30E	2	4.1b,3.7L		
PDG	IV	06 21 56 55.3–.53	42.43N	13.43E	4–2	3.8L,3.7L		
PRU	IV	06 21 56 56.0	42.45N	13.42E	0	4.1,3.7L		

ISC Event type fe.
STR Event type ke.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=95.0.
NEIC Event type fe. Felt [III] at Rieti and [II] at Albano Laziale, Ascoli Piceno, Avezzano, Casoli, Cassino, Ciampino, Foligno, Latina, Mentana, Rocca di Papa, Rome, Spoleto, Sulmona and Terni. Also felt at Caldarola, Castel Gandolfo, Frattocchie, Manoppello, Montelibretti, Pescara, Pratola Peligna, Rocca Priora and Salisano. After ROM.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=26.2.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=46.0.
IDC Error ellipse: s-maj=16.2km s-min=12.6km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=23.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.9km az=0.0.

(381) Central Italy

ISC	**IV**	**06 22 47 15.7–.68**	**42.34N–.02**	**13.30E–.01**	**10–4**	**3.7b**	**424**	**0-67**
ISCJB	IV	06 22 47 13.9–.21	42.36N–.01	13.27E–.01	10–1	3.7b		¶12576624
NEIC	IV	06 22 47 13.0	42.35N	13.29E	12	4.1L,3.8b		
CSEM	IV	06 22 47 14.5–.07	42.35N	13.27E	2	4.2L,3.8b		
PDG	IV	06 22 47 14.9–.34	42.42N	13.32E	10–0	3.7L,3.8b		
ROM	IV	06 22 47 14.2–.08	42.33N	13.30E	10–1	3.7L,3.8b		
LDG	IV	06 22 47 14.2–.10	42.38N	13.26E	2	3.4L,3.8b		
IDC	IV	06 22 47 15.1–.95	42.53N	13.02E	0	3.7,3.7L		
PRU	IV	06 22 47 16.2	42.42N	13.46E	0	3.8,3.7L		
STR	IV	06 22 47 20.9–9.4	42.62N	12.91E	10	3.4L,3.7L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=21.4.
NEIC Event type fe. Felt [III] at Rieti and Terni; [II] at Albano Laziale, Avezzano, Ciampino, Foligno, Rocca di Papa, Rome, Spoleto and Sulmona. Also felt at Cascia, Castel Gandolfo, Grottaferrata, Mentana, Pratola Peligna, Rocca Priora and San Benedetto dal Tronto. After ROM.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=27.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.4km az=0.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=129.0.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=45.0.
IDC Error ellipse: s-maj=17.5km s-min=11.5km az=102.0.
STR Event type ke.

(381) Central Italy

ISC	**IV**	**06 23 15 38.9–.34**	**42.46N–.01**	**13.37E–.01**	**15–1**	**4.9b,4.5s**	**1753**	**0-128**
BGS	IV	06 23 15 06.0–3.1	39.30N	13.17E	10	4.9b,4.5s		¶12576626
STR	IV	06 23 15 23.2–5.1	41.73N	14.65E	10	4.5L,4.5s		
TIR	IV	06 23 15 33.3	42.94N	13.37E	0	4.5L,4.5s		
BEO	IV	06 23 15 33.3–3.4	42.40N	12.47E	0	5.4L,4.5s		
BJI	IV	06 23 15 34.9	42.62N	13.17E	6	5.2b,5.1s		
ISCJB	IV	06 23 15 36.6–.18	42.494N–.01	13.376E–.01	12–1	4.8b,4.5s		
IDC	IV	06 23 15 37.0–.41	42.55N	13.34E	0	4.6,4.6b		
PDG	IV	06 23 15 37.0–.53	42.48N	13.40E	9–0	5.0,4.9L		
LDG	IV	06 23 15 36.1–.09	42.48N	13.42E	2	4.5L,4.9L		
PRU	IV	06 23 15 36.9	42.49N	13.61E	0	4.9,4.9L		
ROM	IV	06 23 15 36.7–.08	42.46N	13.39E	10–1	5.0L,4.9L		
MOS	IV	06 23 15 37.3–.95	42.52N	13.37E	16	5.1b,4.4s		
NEIC	IV	06 23 15 37.0	42.45N	13.36E	9	5.2L,5.1W		
CSEM	IV	06 23 15 37.2–.06	42.46N	13.35E	2	5.1W,5.0b		
CRAAG	IV	06 23 15 37.6	42.47N	13.41E		5.0b,5.0b		
TEH	IV	06 23 15 38.0	42.47N	13.39E	2	4.9L,5.0b		
DJA	IV	06 23 15 38.2–1.1	42N–11	13E–15	10	5.1b,4.5b		
GEN	IV	06 23 15 40.2	42.45N	13.36E	9	4.5L,4.5b		
GCMT	IV	06 23 15 42.3–.20	42.47N	13.27E	12	5.1W,4.5b		

ISC Event type fe.
BGS Error ellipse: s-maj=654.2km s-min=999.9km az=-1.0.
STR Event type ke.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=21.7.
IDC Error ellipse: s-maj=9.9km s-min=7.6km az=104.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=32.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=65.0.
MOS Error ellipse: s-maj=3.1km s-min=2.3km az=102.2.
NEIC Event type fe. Felt strongly at L'Aquila. Felt [IV] at Ascoli Piceno, Camerino, Chieti, Foligno, Francavilla al Mare, Guidonia, Lanciano, Macerata, Martinsicuro, Montesilvano, Pescara, Rieti, Roseto degli Abruzzi, San Benedetto del Tronto, Spoleto, Sulmona, Teramo and Terni; [III] at Ancona, Avezzano, Ciampino, Foligno, Ortona, Perugia, Rocca di Papa and Rome. Felt from Imola and Prato to Foggia and Salerno. After ROM. Moment Tensor Solution. $M_0$3.20000×10^{16} Moment Tensor Solution. $M_0$5.00000×10^{16}
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=25.0.
GCMT Event type se. Data Used: lI lU lC G CN. Moment Tensor Solution. s60,c83; s87,c159; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.81±.08 $M_{\theta\theta}$1.12±.09; $M_{\phi\phi}$3.70±.09; $M_{r\theta}$-1.66±.26; $M_{\theta\phi}$-2.37±.07; $M_{\theta r}$0.21±.25; Best double couple: NP1:ϕ_s344.00000°,δ41.00000°,λ-67.00000°. NP2:ϕ_s135.00000°,δ53.00000°,λ-108.00000°. Principal axes: T 5.2200,Plg6.0000° ,Azm238.0000°; N 0.0600,Plg15.0000°,Azm146.0000°; P -5.2600,Plg74.0000° ,Azm350.0000° $M_0$5.20000×10^{16}

(227) Eastern Honshu

JMA	**IV**	**07 00 37 51.5**	**35.86N**	**138.77E**	**12–1**	**2.7**	

¶15560445

JMA Event type fe.

(49) Gulf of California

ISC	**IV**	**07 02 35 36.1–2.7**	**25.64N–.04**	**110.08W–.03**	**14–17**	**4.3b,3.9s**	**230**	**2-122**
NEIC	IV	07 02 35 35.1–.45	25.69N	110.10W	10	4.7,4.3b		¶12759377
IDC	IV	07 02 35 35.1–.80	25.96N	110.00W	0	4.3,4.2b		
MEX	IV	07 02 35 36.0–.26	25.54N	110.06W	4–10	4.7,4.2b		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.8km az=54.0. Felt at Huatabampo, Sonora.
IDC Error ellipse: s-maj=22.7km s-min=13.4km az=70.0.
MEX Error ellipse: s-maj=5.8km s-min=5.1km az=-1.0.

(221) Kuril Islands

ISC	**IV**	**07 04 23 34.1–.26**	**46.06N–.03**	**151.64E–.02**	**40–1**	**6.8s,6.3b**	**2518**	**3-160**
NIED	IV	07 04 23 00	46.00N	152.20E	44	6.8W,6.3b		¶12742052
BJI	IV	07 04 23 29.2	46.22N	151.93E	30	7.0b,6.8s		
JMA	IV	07 04 23 30.1–.60	46.01N	152.19E	30	6.7,6.8s		
SKHL	IV	07 04 23 31.5–.20	45.90N	152.15E	35–1	7.2b,6.9s		
ISCJB	IV	07 04 23 32.3–.33	46.04N–.02	151.59E–.01	36–3	6.8s,6.3b		
IDC	IV	07 04 23 33.5–1.1	46.10N	151.57E	33–6	6.8,6.8s		
NEIC	IV	07 04 23 33.1–.10	46.05N	151.55E	31	6.9W,6.9W		
MOS	IV	07 04 23 33.3–1.7	46.02N	151.67E	56	6.9s,6.7b		
SZGRF	IV	07 04 23 34.7	47.27N	151.44E	33	7.1s,6.3b		
DJA	IV	07 04 23 34.4–2.4	46N–6.0	152E–8.0	33–17	7.0b,6.9		
TEH	IV	07 04 23 34.0	46.14N	151.42E	39	7.0L,6.9		
BGS	IV	07 04 23 36.1–1.8	46.88N	153.58E	33	6.7s,6.2b		
GCMT	IV	07 04 23 41.0–.00	46.00N	151.99E	43–0	6.9W,6.2b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s341.00000°,δ60.00000°,λ48.00000°. NP2:ϕ_s222.00000°,δ50.00000°,λ139.00000°. $M_0$1.51000×10^{19}
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
SKHL Event type fe. Felt (III-IV) at Kurilsk, (II) at Severo-Kurilsk, Yushno-Kurilsk.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.5km az=159.3.
IDC Error ellipse: s-maj=9.3km s-min=7.1km az=127.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=159.0. Felt [IV] at Kuril'sk and [II] at Severo-Kuril'sk and Yuzhno-Kuril'sk. Felt at Sapporo, Hokkaido. Recorded [3 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s130 Moment tensor: Scale 10^{19}Nm; M_{rr}1.50 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-1.07 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.40 $M_{\theta r}$0.94 Best double couple: NP1:ϕ_s31.00000° ,δ65.00000°,λ94.00000°. NP2:ϕ_s202.00000°,δ25.00000°,λ82.00000°. Principal axes: T 1.9200,Plg69.0000°,Azm308.0000°; N -0.2500,Plg3.0000°,Azm209.0000° ; P -1.6700,Plg19.0000°,Azm118.0000° $M_0$1.80000×10^{19} Moment Tensor Solution. $M_0$3.20000×10^{19}
MOS Event type fe. Error ellipse: s-maj=8.9km s-min=4.0km az=102.3. Fault plane solution: P-wave C225, D12 . Felt (III-IV) at Kuril'sk; (II) at Severo-Kuril'sk, Yuzhno-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s219.00000°,δ32.00000° ,λ97.00000°. NP2:ϕ_s31.00000°,δ58.00000°,λ86.00000°. Principal axes: T Plg77.0000° ,Azm289.0000°; N Plg4.0000°,Azm34.0000°; P Plg13.0000°,Azm124.0000° $M_0$9.60000×10^{19}
SZGRF Kuril Islands, Russia.
BGS Error ellipse: s-maj=172.8km s-min=541.5km az=-1.0.
GCMT Event type se. Data Used: lI lU IC G. LP body wave period 50 sec. Mantle waves from 109 sta. Surface waves: sta=117, comp=312, per= 50. Moment Tensor Solution. s114,c304; s99,c261; Moment tensor: Scale 10^{19}Nm; M_{rr}2.08±.01 $M_{\theta\theta}$-0.80±.01; $M_{\phi\phi}$-1.28±.01; $M_{r\theta}$0.41±.01; $M_{\theta\phi}$-1.19±.01; $M_{\theta r}$1.24±.01; Best double couple: NP1:ϕ_s231.00000°,δ31.00000° ,λ110.00000°. NP2:ϕ_s28.00000°,δ61.00000°,λ78.00000°. Principal axes: T 2.4900,Plg72.0000°,Azm271.0000°; N 0.0900,Plg10.0000°,Azm34.0000° ; P -2.5800,Plg15.0000°,Azm127.0000° $M_0$2.50000×10^{19}

(381) Central Italy

ISC	**IV**	**07 09 26 30.8–.33**	**42.36N–.02**	**13.34E–.02**	**14–1**	**4.9b,4.8s**	**1588**	**0-135**
STR	IV	07 09 25 59.6–5.4	41.00N	15.95E	10	4.4L,4.8s		¶13438112
BJI	IV	07 09 26 25.3	42.31N	13.03E	5	5.2b,5.1s		
BEO	IV	07 09 26 26.5–.93	42.14N	13.02E	10–24	5.0L,5.1s		
ISCJB	IV	07 09 26 28.2–.21	42.39N–.01	13.39E–.01	4–1	4.8b,4.8s		
IDC	IV	07 09 26 28.5–.40	42.41N	13.28E	0	4.6b,4.6		
CRAAG	IV	07 09 26 28.7	42.29N	13.34E		4.9b,4.6		
PDG	IV	07 09 26 28.7–.71	42.26N	13.36E	4–2	4.8,4.7L		
LDG	IV	07 09 26 28.6–.12	42.32N	13.48E	2	4.4L,4.7L		
NEIC	IV	07 09 26 28.0	42.34N	13.39E	10	5.0W,5.0L		
ROM	IV	07 09 26 28.6–.06	42.34N	13.39E	10–0	4.8L,5.0L		
MOS	IV	07 09 26 29.5–.95	42.43N	13.38E	16	5.1b,4.6s		
CSEM	IV	07 09 26 30.0–.06	42.40N	13.34E	5	4.9W,4.8L		
PRU	IV	07 09 26 30.1	42.40N	13.46E	0	4.9,4.8L		
GEN	IV	07 09 26 31.9	42.34N	13.39E	10	4.8L,4.8L		
TEH	IV	07 09 26 31.0	42.43N	13.38E	13	4.8L,4.8L		

ISC Event type fe.
STR Event type ke.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.3km az=12.2.
IDC Error ellipse: s-maj=9.7km s-min=8.0km az=108.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.3km az=23.0.
NEIC Event type fe. Felt [V] at L'Aquila; [IV] at Avezzano, Sulmona and Villa Adriana; [III] at Alatri, Ascoli Piceno, Cassino, Castelliri, Chieti, Fara San Martino, Guardiagrele, Lanciano, Latina, Magliano de' Marsi, Mentana, Palena, Pescara, Rieti, Rome and Viterbo. Felt throughout Abruzzo, Lazio, Marche, Molise and Umbria and in northwestern Campania, including Naples. After ROM. Moment Tensor Solution. $M_0$2.30000×10^{16} Moment Tensor Solution. $M_0$4.60000×10^{16}
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=114.0.
MOS Error ellipse: s-maj=3.4km s-min=2.8km az=90.3.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=22.0.

(127) Chile-Argentina border region

ISC	**IV**	**07 11 55 53.4–.48**	**33.15S–.03**	**70.74W–.05**	**78–4**	**4.1b**	**103**	**0-155**
ISCJB	IV	07 11 55 52.7–.33	33.16S–.03	70.71W–.06	86–2	4.1b		¶12934719
GUC	IV	07 11 55 53.6–.56	33.15S	70.76W	74–2	4.6L,4.3		
NEIC	IV	07 11 55 53.6	33.15S	70.76W	74	4.3b,4.3		
IDC	IV	07 11 55 53.5–.67	33.14S	70.63W	78–5	4.0,3.9		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.4km az=2.1.
GUC Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0.
NEIC Event type fe. Felt [III] at Valparaiso and [II] at Rancagua and Santiago. After GUC.
IDC Error ellipse: s-maj=20.9km s-min=13.6km az=96.0.

(70) Guatemala

ISC	**IV**	**07 15 13 59.6–.51**	**14.21N–.06**	**90.37W–.05**	**10**	**4.0s,4.0b**	**129**	**3-146**
IDC	IV	07 15 13 58.4–.71	14.19N	90.31W	0	4.1,4.1		¶12100589
ISCJB	IV	07 15 13 58.4–.39	14.21N–.05	90.35W–.04	10	4.0b,4.0s		
NEIC	IV	07 15 13 59.8–.44	14.21N	90.40W	10	4.7,4.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.5km s-min=12.0km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=3.9km az=29.5.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=7.3km az=54.0. Felt [IV] at Guatemala. Also felt at Amatitlan, Antigua Guatemala, Barberena and San Jose Pinula.

(381) Central Italy

ISC	**IV**	**07 17 47 38.0–.24**	**42.32N–.01**	**13.47E–.01**	**16–1**	**5.4s,5.4b**	**2698**	**0-164**
STR	IV	07 17 47 21.0–4.0	41.62N	15.01E	10	5.3L,5.4b		¶16194279
BJI	IV	07 17 47 34.5	42.64N	13.37E	4	5.8s,5.5		
IDC	IV	07 17 47 35.5–.33	42.37N	13.46E	0	5.3,5.3s		
ISCJB	IV	07 17 47 36.7–.16	42.349N–.01	13.499E–.01	13–1	5.4s,5.3b		
LDG	IV	07 17 47 36.0–.08	42.39N	13.55E	2	5.3L,5.3b		
MOS	IV	07 17 47 36.3–1.1	42.37N	13.43E	14	5.6b,5.3s		
CSEM	IV	07 17 47 37.9–.05	42.35N	13.45E	10	5.4b,5.4W		
PDA	IV	07 17 47 37.6	42.32N	13.42E	13	5.4b,5.4W		
ROM	IV	07 17 47 37.3–.04	42.30N	13.49E	17–1	5.4L,5.4W		
CRAAG	IV	07 17 47 37.4	42.33N	13.46E		5.5b,5.4W		
PDG	IV	07 17 47 37.4–.39	42.32N	13.44E	20–0	5.6,5.5L		
NEIC	IV	07 17 47 37.0	42.28N	13.46E	15	5.7L,5.6L		
PRU	IV	07 17 47 38.6	42.43N	13.57E	0	5.4,5.6L		
SFS	IV	07 17 47 38.0	42.35N	13.41E	13	5.6L,5.6L		
BEO	IV	07 17 47 40.8–.74	42.57N	13.71E	0	5.8L,5.6L		
BGS	IV	07 17 47 40.0–1.9	42.40N	13.07E	10	5.4b,5.2s		
GCMT	IV	07 17 47 42.8–.10	42.31N	13.39E	17–0	5.5W,5.2s		

ISC Event type de.
STR Event type ke.
IDC Error ellipse: s-maj=6.9km s-min=5.8km az=105.0.
ISCJB Event type de. Error ellipse: s-maj=1.3km s-min=1.0km az=22.6.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=47.0.
MOS Error ellipse: s-maj=3.2km s-min=2.5km az=97.2.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=28.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=74.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.6km az=0.0.
NEIC Event type de. One person was killed and additional damage to buildings in L'Aquila. Felt [VI] at L'Aquila and Manoppello; [V] at Alatri, Camerino, Celano, Penne, Pratola Peligna, Roseto degli Abruzzi, Sambuceto, Sulmona and Teramo; [IV] at Ancona, Ascoli Piceno, Avezzano, Cassino, Chieti, Colleferro, Falconara Maritima, Fermo, Francavilla al Mare, Frosinone, Guidonia, Lanciano, Lariano, Latina, Macerata, Mentana, Monterotondo, Montesilvano, Pesaro, Pescara, Rieti, Rome, San Benedetto del Tronto, Sora, Termoli and Terni. Felt throughout central Italy; as far north and northwest as Belluno and Parma and as far southeast as Bari and Lamezia Terme. Also felt along the northern coast of Sicily. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After ROM. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s335.00000°,δ60.00000°,λ-40.00000°. NP2:ϕ_s88.00000°,δ56.00000°,λ-143.00000°. Principal axes: T Plg2.0000°,Azm32.0000°; N Plg0.0000°,Azm0.0000°; P Plg48.0000° ,Azm300.0000° Moment Tensor Solution. s70 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96 $M_{\theta\theta}$0.22 $M_{\phi\phi}$0.74 $M_{r\theta}$-0.61 $M_{\theta\phi}$-1.33 $M_{\phi r}$-0.75 Best double couple: NP1:ϕ_s106.00000° ,δ56.00000°,λ-146.00000°. NP2:ϕ_s355.00000°,δ63.00000°,λ-40.00000°. Principal axes: T 1.8500,Plg4.0000°,Azm52.0000°; N 0.0200,Plg43.0000°,Azm146.0000° ; P -1.8700,Plg46.0000°,Azm317.0000° $M_0$1.90000×10^{17} Moment Tensor Solution. $M_0$2.90000×10^{17}
SFS Event type ke.
BEO Event type ke.
BGS Error ellipse: s-maj=74.0km s-min=37.3km az=-1.0.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta= 94, comp=196, per= 50. Moment Tensor Solution. s74,c139; s13,c13; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.51±.03 $M_{\theta\theta}$0.84±.03; $M_{\phi\phi}$0.67±.03; $M_{r\theta}$-1.11±.08; $M_{\theta\phi}$-1.55±.02; $M_{\phi r}$-1.08±.08; Best double couple: NP1:ϕ_s345.00000°,δ55.00000°,λ-41.00000°. NP2:ϕ_s101.00000°,δ57.00000°,λ-138.00000°. Principal axes: T 2.3100,Plg1.0000°,Azm223.0000°; N 0.4300,Plg38.0000°,Azm132.0000° ; P -2.7400,Plg52.0000°,Azm314.0000° $M_0$2.50000×10^{17}

(49) Gulf of California

ISC	**IV**	**07 19 02 03.0–.60**	**24.17N–.06**	**109.11W–.05**	**10**	**4.5b,4.1s**	**243**	**1-130**
BJI	IV	07 19 02 00.9	24.00N	109.00W	10	5.7b,5.1b		¶12099442
ISCJB	IV	07 19 02 02.5–.53	24.15N–.05	108.92W–.04	10	4.4b,4.1s		
NEIC	IV	07 19 02 02.3–.69	24.03N	109.12W	10	4.6b,4.1s		
IDC	IV	07 19 02 03.1–.99	24.29N	109.62W	0	4.1,4.0b		
MEX	IV	07 19 02 06.8–.29	24.39N	108.97W	13–6	4.5,4.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.8km az=28.6.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=7.5km az=217.0. Felt at Cabo San Lucas and Los Cabos, Baja California Sur.
IDC Error ellipse: s-maj=23.2km s-min=13.7km az=136.0.
MEX Error ellipse: s-maj=4.3km s-min=3.7km az=-1.0.

(2) Southern Alaska

ISC	**IV**	**07 20 12 53.5–.25**	**61.51N–.03**	**149.88W–.03**	**41–2**	**4.8b,3.7s**	**793**	**0-151**
BJI	IV	07 20 12 49.3	61.50N	149.90W	30	4.9b,4.9b		¶13438137
MOS	IV	07 20 12 50.6–.87	61.63N	150.09W	28	5.2b,4.9b		
ISCJB	IV	07 20 12 53.5–.19	61.55N–.01	149.95W–.03	50–1	4.7b,3.8s		
IDC	IV	07 20 12 54.2–.47	61.48N	150.11W	48–4	4.5,4.4		
NEIC	IV	07 20 12 55.4	61.45N	149.74W	33	4.8b,4.6W		

ISC Event type fe.
MOS Error ellipse: s-maj=11.3km s-min=4.6km az=93.7.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=36.0.
IDC Error ellipse: s-maj=9.3km s-min=8.9km az=85.0.
NEIC Event type fe. Felt [IV] at Anchorage, Chugiak and Eagle River; [III] at Big Lake, Elmendorf AFB, Fort Richardson, Girdwood, Palmer, Wasilla and Willow; [II] at Houston, Seward and Talkeetna. Also felt at Cooper Landing, Kenai, Moose Pass, Soldotna, Sterling, Sutton, Trapper Creek and Whittier. After AEIC. Moment Tensor Solution. $M_0$8.70000×10^{15}

(70) Guatemala

ISC	**IV**	**07 20 50 11.6–.82**	**14.33N–.03**	**90.43W–.03**	**17–5**	**4.5b,4.0s**	**241**	**0-146**
IDC	IV	07 20 50 09.8–.69	14.32N	90.45W	0	4.5,4.5L		¶12100597
CASC	IV	07 20 50 10.6–3.3	14.47N	90.50W	35	4.6b,4.3L		
NEIC	IV	07 20 50 10.9–.49	14.40N	90.38W	10	4.6b,4.3L		
ISCJB	IV	07 20 50 10.7–.37	14.35N–.03	90.46W–.03	20–3	4.4b,4.0s		

ISC Event type fe.
NEIC Event type fe. Felt [V] at Fraijanes; [IV] at Guatemala and San Catarina Pinula; [II] at Antigua Guatemala. Also felt at Cuilapa, Mixco, San Jose, San Jose Pinula, Villa Canales, Villa Nueva and in Escuintla, Retalhuleu, Sacatepequez and Santa Rosa.
ISCJB Event type fe.

(122) Near coast of northern Chile

ISC	**IV**	**07 21 15 33.1–.98**	**19.25S–.05**	**70.14W–.09**	**61–8**	**4.2b**	**38**	**0-151**
ISCJB	IV	07 21 15 31.6–.81	19.19S–.05	70.15W–.09	67–5	3.9b		¶12934762
GUC	IV	07 21 15 32.6–.79	19.24S	70.16W	54–5	4.1L		
NEIC	IV	07 21 15 32.6	19.24S	70.16W	54	4.0b		
IDC	IV	07 21 15 37.8–5.8	19.22S	69.85W	97–37	3.8,3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=15.2km s-min=7.1km az=17.1.
GUC Error ellipse: s-maj=3.8km s-min=5.5km az=-1.0.
NEIC Event type fe. Felt [III] at Arica, Camarones, Codpa and Cuya. After GUC.
IDC Error ellipse: s-maj=68.9km s-min=29.7km az=36.0.

(381) Central Italy

ISC	**IV**	**07 21 34 31.6–.48**	**42.38N–.01**	**13.36E–.01**	**9–2**	**4.6b,3.9s**	**933**	**0-128**
STR	IV	07 21 34 17.4–6.2	41.80N	14.74E	10	4.0L,3.9s		¶12100599
NEIC	IV	07 21 34 29.0	42.38N	13.38E	7	4.6b,4.5W		
ISCJB	IV	07 21 34 29.9–.20	42.42N–.01	13.35E–.01	8–1	4.4b,3.9s		
ROM	IV	07 21 34 29.7–.06	42.36N	13.37E	10–0	4.3L,3.9s		
IDC	IV	07 21 34 30.9–.57	42.53N	13.33E	0	4.2,4.2		
PRU	IV	07 21 34 30.9	42.42N	13.36E	0	4.6,4.2		
CSEM	IV	07 21 34 30.7–.08	42.41N	13.35E	2	4.6L,4.5b		
BEO	IV	07 21 34 30.2–.95	42.45N	13.25E	0	4.4L,4.5b		
PDG	IV	07 21 34 30.4–.52	42.37N	13.37E	8–0	4.2L,4.5b		
LDG	IV	07 21 34 30.1–.16	42.31N	13.43E	2	4.0L,4.5b		
MOS	IV	07 21 34 30.6–1.1	42.49N	13.36E	12	4.7b,4.5b		
BJI	IV	07 21 34 31.1	42.44N	12.58E	37	4.9s,4.9b		

ISC Event type fe.
STR Event type ke.
NEIC Event type fe. Felt [III] at Rome. Also felt at Ascoli Piceno, Caserta, Chieti, Martinsicuro and Ofena. After ROM. Moment Tensor Solution. $M_0$8.40000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=30.4.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=89.0.
IDC Error ellipse: s-maj=12.7km s-min=9.8km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=22.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=39.0.
MOS Error ellipse: s-maj=4.0km s-min=2.9km az=95.9.

(66) Near coast of Oaxaca

ISC	**IV**	**07 21 49 27.1–.55**	**15.88N–.04**	**96.68W–.04**	**25–3**	**4.6b,3.9s**	**507**	**1-147**
ISCJB	IV	07 21 49 25.4–1.0	16.04N–.04	96.54W–.03	14–6	4.6b,4.0s		¶13438142
MEX	IV	07 21 49 27.7–.38	15.83N	96.73W	29–6	4.5,4.0s		
IDC	IV	07 21 49 27.6–.65	16.00N	96.49W	26–3	4.2L,4.2		
NEIC	IV	07 21 49 28.0	15.82N	96.65W	20	4.8,4.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.2km az=26.6.
MEX Error ellipse: s-maj=2.3km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=14.1km s-min=10.5km az=67.0.
NEIC Event type fe. Felt [III] at Puerto Escondido and [II] at Oaxaca. Also felt at Huatulco. After MEX.

(228) Near east coast of eastern Honshu

ISC	**IV**	**08 01 13 19.9–1.0**	**35.39N–.06**	**140.41E–.07**	**29–6**	**3.4b**	**23**	**0-55**
ISCJB	IV	08 01 13 19.6–.60	35.36N–.05	140.37E–.08	39–5	3.4b		¶12934843
JMA	IV	08 01 13 19.9–.20	35.43N	140.37E	27–2	3.3		
IDC	IV	08 01 13 20.6–4.7	35.31N	140.45E	34–39	4.0L,3.7		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=5.6km az=148.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=36.9km s-min=18.4km az=75.0.

(69) Near coast of Chiapas

ISC	**IV**	**08 01 20 30.9–.43**	**15.71N–.04**	**93.93W–.03**	**81–3**	**4.6b**	**608**	**1-151**
ISCJB	IV	08 01 20 30.6–.22	15.74N–.03	93.78W–.03	80	4.5b		¶13438149
CASC	IV	08 01 20 30.6–3.0	16.05N	93.98W	33–999	4.7b,4.5		
NEIC	IV	08 01 20 31.9–.48	15.75N	93.72W	84–4	4.7b,4.5		
IDC	IV	08 01 20 31.0–.60	15.80N	93.77W	78–4	4.3,4.2		
MEX	IV	08 01 20 32.3–.46	15.69N	94.01W	17–19	4.5,4.2		
BJI	IV	08 01 20 36.5	16.00N	93.30W	131	5.0b,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.4km az=35.8.
CASC Error ellipse: s-maj=417.9km s-min=924.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.0km az=220.0. Felt at Tonala and Tuxtla Gutierrez.
IDC Error ellipse: s-maj=16.3km s-min=6.6km az=50.0.
MEX Error ellipse: s-maj=2.7km s-min=1.6km az=-1.0.

(112) Peru-Brazil border region

ISC	**IV**	**08 03 06 22.3–.29**	**7.95S–.04**	**74.45W–.06**	**153–2**	**4.6b**	**639**	**4-168**
BJI	IV	08 03 06 19.2	8.44S	75.18W	146	5.0b		¶16152527
ISCJB	IV	08 03 06 21.0–.79	7.90S–.04	74.34W–.05	151–7	4.5b		
NEIC	IV	08 03 06 22.4–.14	7.94S	74.34W	152	4.7b		
IDC	IV	08 03 06 22.6–.36	7.90S	74.39W	153–3	4.4,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.5km az=136.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.3km az=54.0. Felt [II] at Contamana and Pucallpa.
IDC Error ellipse: s-maj=12.2km s-min=8.1km az=56.0.

(381) Central Italy

ISC	**IV**	**08 04 27 42.3–.65**	**42.30N–.01**	**13.46E–.02**	**10–4**	**4.0b**	**547**	**0-83**
STR	IV	08 04 27 25.3–7.0	41.59N	15.17E	10	3.4L		¶16152533
ROM	IV	08 04 27 41.2–.07	42.29N	13.46E	9–0	3.8L		
BEO	IV	08 04 27 41.4–3.2	42.24N	12.90E	0	4.0L		
CSEM	IV	08 04 27 41.7–.09	42.28N	13.44E	2	4.3L,4.1b		
ISCJB	IV	08 04 27 41.2–.21	42.29N–.01	13.46E–.02	9–1	4.0b,3.1s		
IDC	IV	08 04 27 41.4–1.0	42.40N	13.27E	0	4.0,3.8L		
NEIC	IV	08 04 27 41.0	42.31N	13.47E	11	4.1b,3.7L		
PDG	IV	08 04 27 42.0–.27	42.33N	13.42E	10–0	3.7L,3.7L		
LDG	IV	08 04 27 41.4–.10	42.32N	13.48E	2	3.4L,3.7L		
PRU	IV	08 04 27 42.0	42.26N	13.54E	0	4.1,3.7L		
MOS	IV	08 04 27 42.1–1.2	42.35N	13.51E	17	4.3b,3.7L		

ISC Event type fe.
STR Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=56.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=34.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=31.6.
IDC Error ellipse: s-maj=16.7km s-min=14.4km az=84.0.
NEIC Event type fe. Felt at Alatri, Castelplanio, Celano, Colleferro, Fara San Martino, Magliano de' Marsi, Montorio al Vomano, Penna Sant'Andrea, Pescara, Rome, Sulmona, Teramo and Veroli. After ROM.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=1.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=42.0.
MOS Error ellipse: s-maj=6.7km s-min=4.7km az=89.1.

(127) Chile-Argentina border region

ISC	**IV**	**08 10 22 54.2–.51**	**32.73S–.03**	**70.22W–.05**	**100–4**	**4.5b**	**481**	**1-175**
ISCJB	IV	08 10 22 53.8–.26	32.71S–.03	70.14W–.05	99–2	4.4b		¶12100816
NEIC	IV	08 10 22 54.7–.27	32.76S	70.16W	99–2	4.5b,4.5		
GUC	IV	08 10 22 54.6–.41	32.73S	70.46W	105–2	4.6L,4.3		
IDC	IV	08 10 22 55.4–1.5	32.78S	70.10W	107–12	4.2,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.7km az=4.3.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.1km az=86.0. Felt [II] at Santiago. Also felt at Colina, Melipilla, Puente Alto, San Bernardo and Valparaiso. Felt [III] at Mendoza, Argentina.
GUC Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=16.8km s-min=11.6km az=97.0.

(160) Off east coast of North Island

ISC	**IV**	**08 11 13 01.1–.47**	**38.73S–.03**	**178.41E–.05**	**34–1**	**5.4b,4.6s**	**353**	**0-164**
IDC	IV	08 11 12 55.4–.52	38.42S	178.51E	0	4.8,4.7		¶15153621
ISCJB	IV	08 11 12 56.7–.73	38.83S–.02	178.59E–.05	25–4	5.3b,4.5s		
NEIC	IV	08 11 12 58.8	38.72S	178.51E	22	5.3b,5.0L		
WEL	IV	08 11 12 58.9–.26	38.69S	178.54E	26–1	5.0L,5.0L		
AUST	IV	08 11 12 58.5	38.76S	178.29E	5	5.0L,5.0L		
GCMT	IV	08 11 12 58.9–.40	38.66S	178.58E	14–1	4.9W,5.0L		
BJI	IV	08 11 13 00.2	39.19S	178.01E	39	5.6b,5.5b		
MOS	IV	08 11 13 00.7–1.1	38.68S	178.08E	33	5.5b,5.5b		
DJA	IV	08 11 13 00.7–2.9	39S–20	178E–44	10	5.9b,5.5b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Gisborne. After WEL.
WEL Event type fe. Felt between Bay Plenty, H'' Bay and Gisborne, maximum reported intensity MM 5.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s35,c40; s63,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.56±.17 $M_{\theta\theta}$0.88±.12; $M_{\phi\phi}$1.68±.11; $M_{r\theta}$0.86±.29; $M_{\theta\phi}$1.26±.07; $M_{\phi r}$0.72±.23; Best double couple: NP1:ϕ_s31.00000°,δ34.00000°,λ-99.00000°. NP2:ϕ_s222.00000°,δ57.00000°,λ-84.00000°. Principal axes: T 2.8200,Plg11.0000° ,Azm307.0000°; N -0.0200,Plg5.0000°,Azm38.0000°; P -2.8100,Plg77.0000°,Azm152.0000° $M_0$2.80000×10^{16}

(250) Mindoro

ISC	**IV**	**08 13 35 08.8–.78**	**13.54N–.04**	**120.64E–.05**	**10**	**4.0b**	**24**	**0-97**

IDC IV 08 13 35 08.0–1.2 13.45N 120.74E 0 4.1,3.9 ¶12934801
ISCJB IV 08 13 35 08.0–.50 13.48N–.04 120.62E–.05 10 3.9b,3.5s
MAN IV 08 13 35 08 13.53N 120.59E 9 4.7b,3.6s
NEIC IV 08 13 35 11.9–.79 13.67N 120.94E 35 4.2b,3.6s
ISC Event type fe.
IDC Error ellipse: s-maj=32.7km s-min=9.4km az=100.0.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=5.3km az=14.6.
MAN Event type fe. INTENSITY II - PUERTO GALERA; ILIJAN.
NEIC Event type fe. Error ellipse: s-maj=29.0km s-min=12.8km az=68.0. Felt [II PIVS] at Puerto Galera. Also felt [II PIVS] at Batangas and Ilijan, Luzon.

(330) Lake Issyk-Kul region

ISC IV 08 17 15 06.3–1.2 43.04N–.04 76.97E–.06 11–8 33 0-11
ISCJB IV 08 17 15 03.7–1.1 43.02N–.04 77.21E–.07 4–6 ¶13438197
NNC IV 08 17 15 04.7–.21 43.44N 76.89E 7–2 3.1,3.0b
MOS IV 08 17 15 05.1–.86 43.11N 77.15E 15 3.7b,3.0b
KNET IV 08 17 15 06.1–.75 43.03N 76.91E 6–4 2.8L,3.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=6.7km az=17.9.
NNC Error ellipse: s-maj=3.2km s-min=1.5km az=154.0.
MOS Event type fe. Error ellipse: s-maj=14.2km s-min=9.7km az=145.6. Felt (II) at Almaaty. Moment Tensor Solution.
KNET Error ellipse: s-maj=5.5km s-min=2.8km az=91.0.

(460) Wyoming

ISC IV 08 18 06 55.7–.60 43.75N–.02 105.32W–.03 0 3.8b 141 0-90
ISCJB IV 08 18 06 55.1–.19 43.77N–.02 105.35W–.03 0 3.9b ¶12934789
IDC IV 08 18 06 55.7–1.8 43.78N 105.52W 0 3.9b,3.8
NEIC IV 08 18 06 56.1–.35 43.81N 105.26W 0 3.2L,3.8
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.7km s-min=2.1km az=160.0.
IDC Error ellipse: s-maj=53.6km s-min=7.8km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=5.3km s-min=4.5km az=164.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

ISC IV 08 19 20 40.2–.88 35.92N–.04 140.16E–.05 66–7 3.6b 36 0-60
NIED IV 08 19 20 00 35.90N 140.10E 62 3.7W ¶12934782
ISCJB IV 08 19 20 38.9–.47 35.86N–.03 140.18E–.06 75–4 3.5b
IDC IV 08 19 20 39.8–1.7 35.81N 140.19E 65–15 3.5,3.5
JMA IV 08 19 20 40.3–.10 35.92N 140.13E 63–1 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S4.00000°,δ65.00000°,λ91.00000°. NP2: ϕ_S181.00000°,δ25.00000°,λ87.00000°. $M_0$4.58000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.7km az=166.3.
IDC Error ellipse: s-maj=21.8km s-min=7.6km az=63.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_S7.00000°,δ74.00000°,λ79.00000°. NP2: ϕ_S222.00000°,δ19.00000°,λ123.00000°. Principal axes: T Plg60.0000°,Azm262.0000° ; N Plg10.0000°,Azm10.0000°; P Plg28.0000°,Azm106.0000°

(381) Central Italy

ISC IV 08 22 56 50.8–.64 42.51N–.01 13.35E–.01 10–4 4.1b,3.2s 850 0-98
BEO IV 08 22 56 49.8–3.1 42.57N 12.77E 0 4.4L,3.2s ¶12105713
ISCJB IV 08 22 56 50.2–.22 42.53N–.01 13.32E–.01 15–2 4.0b,3.3s
CSEM IV 08 22 56 50.7–.07 42.51N 13.31E 5 4.1L,4.1b
ROM IV 08 22 56 50.1–.06 42.50N 13.37E 11–0 4.2L,4.1b
MOS IV 08 22 56 50.2–1.1 42.54N 13.34E 18 4.3b,4.1b
IDC IV 08 22 56 50.0–.69 42.60N 13.22E 0 4.0,3.9L
NEIC IV 08 22 56 50.0 42.51N 13.36E 10 4.3L,4.3L
PDG IV 08 22 56 50.3–.34 42.53N 13.36E 11–1 4.0L,4.3L
LDG IV 08 22 56 50.8–.12 42.60N 13.60E 2 4.0L,4.3L
PRU IV 08 22 56 51.3 42.54N 13.49E 0 4.1,4.3L
STR IV 08 22 57 00.4–.54 43.06N 12.74E 10 4.0L,4.3L
ISC Event type fe.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.4km az=27.1.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=30.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=74.0.
MOS Error ellipse: s-maj=4.3km s-min=3.1km az=112.0.
IDC Error ellipse: s-maj=17.8km s-min=10.9km az=97.0.
NEIC Event type fe. Felt [IV] at Ascoli Piceno, Cassino, Chieti, Pescara, Rieti, Spoleto, Sulmona and Teramo; [III] at Ancona, Rome and Terni. Also felt at Assisi, Avezzano, Bisenti, Cermignano, Corridonia, Fermo, Foligno, Guidonia, Montesilvano, Narni and Viterbo. After ROM. Moment Tensor Solution. $M_0$1.90000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=2.2km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=1.9km az=5.0.
STR Event type ke.

(259) Mindanao

ISC IV 09 00 35 06.3–1.7 9.76N–.05 126.3E–.10 60–16 3.8b 41 1-94
IDC IV 09 00 34 58.5–.88 9.79N 126.07E 0 4.0,3.9b ¶12934924
NEIC IV 09 00 35 03.4–.46 9.69N 125.96E 35 3.8b,3.9b
ISCJB IV 09 00 35 04.8–1.2 9.76N–.04 126.38E–.10 72–10 3.8b,3.9b
MAN IV 09 00 35 04 9.74N 126.40E 53 4.8b,3.8s
ISC Event type fe.
IDC Error ellipse: s-maj=73.0km s-min=15.0km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=28.8km s-min=7.2km az=74.0. Felt [II PIVS] at Socorro.
ISCJB Event type fe. Error ellipse: s-maj=16.4km s-min=6.8km az=169.4.
MAN Event type fe. INTENSITY II - SOCORRO SURIGAO DEL NORTE.

(381) Central Italy

ISC IV 09 00 53 01.6–.33 42.50N–.01 13.35E–.01 14–1 5.2b,5.0s 2206 0-164
NIC IV 09 00 52 56.6–.70 42.52N 13.38E 2 5.2b,5.0s ¶16194316
BJI IV 09 00 52 57.9 42.64N 13.11E 7 5.5b,5.4s
ISCJB IV 09 00 52 58.6–.21 42.557N–.01 13.382E–.01 1–1 5.2b,5.0s
NEIC IV 09 00 52 59.0 42.48N 13.34E 15 5.5L,5.4W
ROM IV 09 00 52 59.6–.04 42.49N 13.35E 11–0 5.1L,5.4W
IDC IV 09 00 52 59.5–.38 42.58N 13.30E 0 4.9,4.9
PDG IV 09 00 52 59.6–.58 42.53N 13.39E 7–0 5.5,5.4L
LDG IV 09 00 52 59.3–.07 42.57N 13.48E 2 5.0L,5.4L
CSEM IV 09 00 53 00.3–.05 42.51N 13.34E 5 5.3W,5.2b
SFS IV 09 00 53 00.0 42.51N 13.30E 5 5.3L,5.2b
MOS IV 09 00 53 00.3–1.1 42.59N 13.31E 16 5.2b,4.8s
PRU IV 09 00 53 00.2 42.55N 13.25E 1 5.2,4.8s
CRAAG IV 09 00 53 00.6 42.53N 13.39E 5.4W,4.8s
BEO IV 09 00 53 00.1–.91 42.64N 13.24E 0 5.7L,4.8s
TEH IV 09 00 53 02.0 42.51N 13.33E 5 5.3L,4.8s
GCMT IV 09 00 53 06.1–.10 42.48N 13.30E 12 5.4W,4.8s
STR IV 09 00 53 08.2–.50 42.94N 12.92E 10 5.0L,4.8s
ISC Event type fe.
NIC Central Italy, 19km. NW LAquila.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.1km az=17.2.
NEIC Event type fe. Felt [VII] at Montereale; [V] at Bellante, Macerata, Montorio al Vomano, Pratola Peligna and Teramo; [IV] at Ancona, Ascoli Piceno, Avezzano, Cepagatti, Chieti, Fabriano, Foligno, Francavilla al Mare, Frosinone, Giulinova, Monterotondo, Montesilvano, Ortona, Penne, Perugia, Pescara, Rieti, San Benedetto del Tronto, Spoleto, Spoltore, Sulmona, Terni, Tolentino and Vasto. Felt throughout central Italy and as far as Friuli and Basilicata. After ROM. Moment Tensor Solution. s52 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.10 $M_{\theta\theta}$0.33 $M_{\phi\phi}$0.77 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.24 $M_{\phi r}$-0.30 Best double couple: NP1:ϕ_S159.00000°,δ35.00000° ,λ-84.00000°. NP2:ϕ_S332.00000°,δ55.00000°,λ-94.00000°. Principal axes: T 0.9500,Plg10.0000°,Azm64.0000°; N 0.2300,Plg3.0000°,Azm334.0000° ; P -1.1700,Plg79.0000°,Azm225.0000° $M_0$1.10000×10^{17} Moment Tensor Solution. $M_0$9.80000×10^{16} Moment Tensor Solution. $M_0$1.60000×10^{17}
ROM Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=37.0.
IDC Error ellipse: s-maj=9.4km s-min=8.3km az=119.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=17.0.
SFS Event type ke.
MOS Error ellipse: s-maj=3.1km s-min=2.4km az=94.1.
BEO Event type ke.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 107 sta. Moment Tensor Solution. s91,c162; s99,c223; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.47±.02 $M_{\theta\theta}$0.46±.02; $M_{\phi\phi}$1.01±.02; $M_{r\theta}$-0.45±.05; $M_{\theta\phi}$-0.80±.01; $M_{\phi r}$-0.12±.05; Best double couple: NP1: ϕ_S340.00000°,δ44.00000°,λ-66.00000°. NP2:ϕ_S129.00000°,δ50.00000°,λ-111.00000°. Principal axes: T 1.5900,Plg3.0000°,Azm234.0000°; N 0.0200,Plg16.0000°,Azm143.0000° ; P -1.6100,Plg74.0000°,Azm335.0000° $M_0$1.60000×10^{17}
STR Event type ke.

(712) India-Pakistan border region

ISC IV 09 01 46 58.2–.26 27.17N–.03 70.77E–.03 42–2 5.2b,4.3s 1035 4-146
SZGRF IV 09 01 46 48.0 25.03N 70.89E 41 4.8b,4.3s ¶13438213
LDG IV 09 01 46 52.2–.94 26.31N 70.81E 47 5.2b,4.0s
ISCJB IV 09 01 46 55.1–.38 27.09N–.02 70.75E–.02 33–3 5.1b,4.3s
DJA IV 09 01 46 56.0–3.4 27N–6.0 71E–5.0 12–24 6.2,5.9b
MOS IV 09 01 46 56.5–1.1 27.16N 70.74E 42 5.4b,4.3s
IDC IV 09 01 46 57.6–.53 27.08N 70.75E 38–4 5.8L,4.6
NDI IV 09 01 46 57.1–2.5 27.02N 70.62E 36–28 5.2L,5.2b
NEIC IV 09 01 46 58.3–.16 27.14N 70.75E 44 5.2b,5.2b
BJI IV 09 01 46 58.1 27.35N 70.82E 43 5.0b,4.9b
TEH IV 09 01 46 59.0 27.17N 70.74E 43 5.2L,4.9b
GCMT IV 09 01 47 02.3–.30 26.99N 70.64E 39–1 5.1W,4.9b
ISC Event type de.
SZGRF India-Pakistan border region.
LDG Event type ke.
ISCJB Event type de. Error ellipse: s-maj=3.5km s-min=2.3km az=9.1.
MOS Error ellipse: s-maj=5.5km s-min=3.0km az=115.8.
IDC Error ellipse: s-maj=9.9km s-min=9.0km az=11.0.
NDI Error ellipse: s-maj=10.6km s-min=21.4km az=-1.0.
NEIC Event type de. Error ellipse: s-maj=4.2km s-min=3.2km az=21.0. At least 6 people injured and many buildings damaged at Jaisalmer, India. Felt at Bhuj, Bikaner, Jaipur, Jodhpur and by people in high-rise buildings at Delhi. Also felt at Kabul, Afghanistan and at Hyderabad and Sukkur, Pakistan.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s45,c61; s81,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}0.47±.21 $M_{\theta\theta}$-4.65±.17; $M_{\phi\phi}$4.19±.17; $M_{r\theta}$-2.86±.20; $M_{\theta\phi}$3.13±.15; $M_{\phi r}$-1.14±.20; Best double couple: NP1:ϕ_S153.00000°,δ60.00000°,λ179.00000°. NP2:ϕ_S243.00000°,δ89.00000°,λ30.00000°. Principal axes: T 5.9500,Plg21.0000° ,Azm112.0000°; N 0.5600,Plg60.0000°,Azm245.0000°; P -6.5000,Plg20.0000°,Azm14.0000° $M_0$6.20000×10^{16}

(381) Central Italy

ISC IV 09 03 14 52.9–.48 42.35N–.01 13.41E–.01 13–2 4.4b,4.0s 1047 0-92
IDC IV 09 03 14 50.7–.52 42.41N 13.27E 0 4.4,4.4L ¶12105724
LDG IV 09 03 14 51.8–.16 42.38N 13.49E 2 4.0L,4.4L
MOS IV 09 03 14 51.9–1.1 42.41N 13.41E 17 4.7b,4.4L
BJI IV 09 03 14 52.4 42.40N 13.40E 7 4.8b,4.7s
PDG IV 09 03 14 52.6–.55 42.36N 13.44E 13–0 4.3L,4.7s
CSEM IV 09 03 14 52.7–.06 42.36N 13.40E 10 4.8L,4.4b
ROM IV 09 03 14 52.2–.06 42.34N 13.44E 17–1 4.6L,4.4b
ISCJB IV 09 03 14 52.3–.17 42.38N–.01 13.40E–.01 20–1 4.3b,3.9s
NEIC IV 09 03 14 52.0 42.34N 13.44E 18 4.5L,4.4W
PRU IV 09 03 14 53.4 42.48N 13.34E 1 4.3,4.4W
BEO IV 09 03 14 54.1–2.9 42.40N 13.16E 0 4.8L,4.4W
STR IV 09 03 14 58.5–1.0 42.70N 12.98E 5 4.0L,4.4W
ISC Event type fe.
IDC Error ellipse: s-maj=12.6km s-min=10.2km az=122.0.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=32.0.
MOS Error ellipse: s-maj=3.5km s-min=2.8km az=103.6.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=18.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=26.7.
NEIC Event type fe. Felt [III] at Ascoli Piceno, Guidonia, Macerata, Pescara, Rieti, Spoltore, Sulmona, Tivoli and Tolentino; [II] at Albano Laziale, Ancona, Avezzano, Campobasso, Cassino, Foligno, Rocca di Papa, Rome, Spoleto and Terni. Felt in much of Abruzzo, Lazio, Marche, Molise and Umbria. Also felt in northwestern Campania. After ROM. Moment Tensor Solution. $M_0$4.90000×10^{15}
BEO Event type ke.
STR Event type ke.

(381) Central Italy

ISC IV 09 04 32 46.1–.55 42.46N–.01 13.39E–.01 2–3 4.4s,4.3b 732 0-90
BJI IV 09 04 32 44.4 42.50N 13.30E 10 4.9b,4.7s ¶16194319
LDG IV 09 04 32 44.8–.10 42.46N 13.44E 2 3.8L,4.7s
ISCJB IV 09 04 32 44.9–.19 42.47N–.01 13.40E–.01 10–1 4.4s,4.2b
NEIC IV 09 04 32 44.0 42.45N 13.42E 8 4.2b,4.2W
ROM IV 09 04 32 45.0–.07 42.45N 13.43E 10–0 4.2L,4.2W
IDC IV 09 04 32 46.0–.70 42.60N 13.29E 0 4.1,4.1b
PDG IV 09 04 32 45.5–.78 42.46N 13.43E 8–1 4.3L,4.1b
MOS IV 09 04 32 45.2–.86 42.52N 13.41E 10 4.5b,4.1b
CSEM IV 09 04 32 45.3–.07 42.45N 13.38E 2 4.7L,4.2W
PRU IV 09 04 32 46.4 42.53N 13.47E 0 4.2,4.2W
BEO IV 09 04 32 47.8–.82 42.58N 13.58E 0 4.4L,4.2W
STR IV 09 04 32 54.6–.74 42.90N 12.88E 10 3.8L,4.2W
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=31.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=35.0.
NEIC Event type fe. Felt [II] at Ancona, Ascoli Piceno, Avezzano, Casoli, Cassino, Ciampino, Foligno, Frattocchie, Guidonia, Latina, Macerata, Perugia, Pescara, Rome, Senigallia, Spoltore, Sulmona and Terni. Felt in much of Abruzzo, Lazio, Marche and Umbria. After ROM. Moment Tensor Solution. $M_0$2.70000×10^{15}
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=68.0.
IDC Error ellipse: s-maj=13.1km s-min=11.0km az=81.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
MOS Error ellipse: s-maj=5.5km s-min=3.7km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=31.0.
BEO Event type ke.
STR Event type ke.

(381) Central Italy

ISC IV 09 04 43 10.5–.70 42.50N–.02 13.35E–.01 9–4 3.7b 371 0-72
ISCJB IV 09 04 43 09.4–.19 42.51N–.01 13.33E–.02 13–1 3.6b ¶16194321
ROM IV 09 04 43 09.6–.07 42.50N 13.37E 10–0 4.0L
NEIC IV 09 04 43 09.0 42.51N 13.37E 9 4.0L,3.7L
CSEM IV 09 04 43 09.9–.08 42.51N 13.34E 2 4.2L,3.7L
LDG IV 09 04 43 09.8–.22 42.48N 13.42E 2 3.7L,3.7L
IDC IV 09 04 43 09.9–.93 42.60N 13.23E 0 3.7,3.6
PRU IV 09 04 43 10.5 42.50N 13.63E 1 3.7,3.6
STR IV 09 04 43 18.8–.78 42.92N 12.80E 10 3.7L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=31.7.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=82.0.
NEIC Event type fe. Felt [III] at Ascoli Piceno, Pescara and Rieti; [II] at Avezzano, Chieti, Gualdo Tadino, Guidonia, Macerata, Rocca di Papa, Rome, Spoleto, Spoltore, Sulmona and Terni. Felt in Abruzzo, Lazio, Marche and Umbria. After ROM.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=39.0.
LDG Event type ke. Error ellipse: s-maj=8.1km s-min=3.5km az=14.0.
IDC Error ellipse: s-maj=17.4km s-min=13.1km az=96.0.
STR Event type ke.

(704) Nicobar Islands region

ISC IV 09 08 10 53.8–.42 6.23N–.03 94.45E–.03 82–3 5.4b 1488 1-173
BJI IV 09 08 10 43.2 5.65N 94.17E 41 5.2b,4.9b ¶15153625
SZGRF IV 09 08 10 50.1 5.75N 95.00E 66 5.4b,4.9b
AUST IV 09 08 10 51.6 6.31N 94.40E 60 5.4b,4.9b
ISCJB IV 09 08 10 52.0–.43 6.21N–.02 94.40E–.02 80–4 5.3b,4.9b
MOS IV 09 08 10 53.3–1.5 6.21N 94.46E 96 5.5b,4.9b
DJA IV 09 08 10 54.5–.70 6N–3.0 94E–7.0 68–4 5.7b,5.5b
NEIC IV 09 08 10 54.0–.56 6.26N 94.44E 82–4 5.4b,5.5b
IDC IV 09 08 10 55.2–1.0 6.31N 94.55E 91–8 5.1,5.1
GCMT IV 09 08 10 55.3–.30 6.28N 94.54E 62–1 5.1W,5.1
ISC Event type fe.
SZGRF Northern Sumatera, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.8km az=43.5.
MOS Error ellipse: s-maj=10.7km s-min=4.3km az=126.2.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.6km az=221.0. Felt [III] at Banda Aceh and Sabang, Indonesia.
IDC Error ellipse: s-maj=9.1km s-min=6.2km az=51.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c63; s66,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}4.58±.19 $M_{\theta\theta}$-5.15±.12; $M_{\phi\phi}$0.57±.15; $M_{r\theta}$0.12±.12; $M_{\theta\phi}$-0.42±.13; $M_{\phi r}$-0.54±.12; Best double couple: NP1:ϕ_S258.00000°,δ45.00000°,λ79.00000°. NP2:ϕ_S94.00000°,δ46.00000°,λ101.00000°. Principal axes: T 4.6600,Plg82.0000° ,Azm82.0000°; N 0.5200,Plg8.0000°,Azm266.0000°; P -5.1800,Plg0.0000°,Azm176.0000° $M_0$4.90000×10^{16}

(224) Hokkaido region
ISC IV 09 10 26 30.8–.64 42.23N–.04 142.86E–.04 60–5 4.0b 78 0-147
NIED IV 09 10 26 00 42.20N 142.90E 53 4.1W ¶12934898
MOS IV 09 10 26 28.9–1.1 42.34N 142.82E 55 4.5b
ISCJB IV 09 10 26 30.0–.34 42.17N–.03 142.89E–.04 70–2 3.9b
BJI IV 09 10 26 30.5 42.10N 143.00E 73 4.9b,4.7b
JMA IV 09 10 26 31.4–.10 42.23N 142.92E 55–1 3.9,4.7b
IDC IV 09 10 26 33.5–1.5 42.27N 142.80E 79–12 3.7,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ62.00000°,λ96.00000°. NP2:ϕ_s204.00000°,δ28.00000°,λ78.00000°. $M_0$1.68000×10^{15}
MOS Error ellipse: s-maj=13.8km s-min=9.5km az=95.6.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.3km az=140.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s7.00000°,δ86.00000°,λ90.00000°. NP2: ϕ_s187.00000°,δ4.00000°,λ90.00000°. Principal axes: T Plg49.0000°,Azm277.0000° ; N Plg0.0000°,Azm7.0000°; P Plg41.0000°,Azm97.0000°
IDC Error ellipse: s-maj=15.1km s-min=10.1km az=118.0.

(381) Central Italy
ISC IV 09 13 19 34.9–.67 42.35N–.01 13.24E–.01 10–4 3.9b 547 0-81
ROM IV 09 13 19 33.8–.08 42.34N 13.26E 10–0 4.1L ¶16194329
IDC IV 09 13 19 33.9–.80 42.45N 13.10E 0 4.0,3.9
ISCJB IV 09 13 19 33.7–.22 42.36N–.01 13.17E–.01 19–2 3.8b,2.8s
NEIC IV 09 13 19 34.3–.35 42.37N 13.19E 4–3 4.0L,3.9b
CSEM IV 09 13 19 34.1–.08 42.39N 13.17E 2 3.9b,3.6W
PDG IV 09 13 19 34.5–.35 42.43N 13.27E 8–1 3.9L,3.6W
LDG IV 09 13 19 34.3–.10 42.40N 13.33E 2 3.8L,3.6W
BEO IV 09 13 19 35.0–.81 42.38N 12.86E 30–19 4.1L,3.6W
PRU IV 09 13 19 35.7 42.37N 13.52E 0 3.9,3.6W
THE IV 09 13 19 38.7 42.42N 13.41E 31–51 3.9L,3.6W
ISC Event type fe.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=43.0.
IDC Error ellipse: s-maj=14.4km s-min=12.2km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=20.8.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=3.1km az=108.0. Felt [III] at Rieti, Teramo and Tortoretto; [II] at Albano Laziale, Ascoli Piceno, Avezzano, Chieti, Foligno, Guidonia, Monterotondo, Rocca di Papa, Rome, Sulmona and Terni. Felt in Abruzzo, Lazio, Marche and Umbria. Moment Tensor Solution. $M_0$3.50000×10^{14}
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=20.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.8km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=31.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=51.7km s-min=3.7km az=0.0.

(718) Hindu Kush region
ISC IV 09 16 34 29.6–.27 36.55N–.03 70.96E–.03 188–2 4.7b 649 3-150
SZGRF IV 09 16 34 18.3 35.51N 72.41E 184 4.9b ¶13438263
BJI IV 09 16 34 24.3 36.68N 70.39E 180 4.7b,4.7b
MOS IV 09 16 34 27.8–.84 36.51N 70.97E 182 4.9b,4.7b
ISCJB IV 09 16 34 27.3–.27 36.51N–.02 70.96E–.02 175–3 4.6b,4.7b
DJA IV 09 16 34 29.3–.60 36N–7.0 71E–7.0 168–9 5.6,5.6b
IDC IV 09 16 34 29.7–.50 36.45N 70.94E 187–4 4.3,4.2
NEIC IV 09 16 34 29.4–.18 36.51N 70.97E 184 4.6b,4.2
NNC IV 09 16 34 32.4–6.9 36.91N 70.69E 180–66 5.3,4.3b
ISC Event type fe.
SZGRF Pakistan.
MOS Error ellipse: s-maj=5.6km s-min=3.4km az=108.1.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.6km az=147.7.
IDC Error ellipse: s-maj=10.9km s-min=6.7km az=20.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.5km az=198.0. Felt [III] at Kabul. Also felt at Jalalabad.
NNC Error ellipse: s-maj=59.9km s-min=31.7km az=5.0.

(227) Eastern Honshu
ISC IV 09 18 34 12.1–.84 39.73N–.04 141.85E–.07 61–6 3.6b 31 0-67
ISCJB IV 09 18 34 11.3–.63 39.75N–.04 141.88E–.09 67–3 3.5b ¶12934869
JMA IV 09 18 34 12.8–.10 39.76N 141.85E 57–1 3.6
IDC IV 09 18 34 13.3–2.6 39.76N 142.23E 84–21 3.4,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.6km az=10.0.
JMA Event type fe.
IDC Error ellipse: s-maj=29.1km s-min=19.7km az=111.0.

(381) Central Italy
ISC IV 09 19 38 18.9–.28 42.52N–.01 13.36E–.01 14–1 4.9b,4.6s 1785 0-138
STR IV 09 19 38 08.6–3.3 42.09N 14.25E 10 4.8L,4.6s ¶13438270
BJI IV 09 19 38 15.2 42.80N 13.02E 10 5.4b,5.2s
ISCJB IV 09 19 38 16.5–.18 42.559N–.01 13.359E–.01 6–1 4.8b,4.6s
ROM IV 09 19 38 16.9–.06 42.50N 13.35E 9–0 5.0L,4.6s
IDC IV 09 19 38 16.7–.42 42.58N 13.24E 0 4.7,4.7
LDG IV 09 19 38 16.6–.09 42.55N 13.42E 2 4.8L,4.7
IGIL IV 09 19 38 17.9 42.52N 13.35E 2 5.1b,4.7
NEIC IV 09 19 38 17.4–.28 42.51N 13.33E 3–2 5.3W,5.2L
PRU IV 09 19 38 17.6 42.56N 13.26E 1 5.0,5.2L
MOS IV 09 19 38 17.0–.99 42.59N 13.31E 14 5.2b,4.6s
CRAAG IV 09 19 38 17.4 42.52N 13.35E 5.2W,4.6s
CSEM IV 09 19 38 17.2–.06 42.53N 13.32E 2 5.2W,5.1s
PDG IV 09 19 38 17.0–.61 42.53N 13.36E 10–0 4.9L,4.9
SFS IV 09 19 38 18.0 42.54N 13.30E 10 5.2L,4.9
BEO IV 09 19 38 18.9 42.76N 13.34E 0 5.1L,4.9
DJA IV 09 19 38 19.2–.70 43N–8.0 13E–12 10 5.4b,4.9
GCMT IV 09 19 38 22.3–.10 42.49N 13.24E 12 5.2W,4.9
ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=23.2.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=73.0.
IDC Error ellipse: s-maj=9.5km s-min=7.9km az=104.0.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=48.0.
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=205.0. Felt [VI] at Cittaducale; [V] at Amatrice, Grottammare, Orte and Teramo; [IV] at Alba Adriatico, Ascoli Piceno, Atri, Bellante, Chieti, Fermo, Folignano, Foligno, Frosinone, Gualdo Tadino, Macerata, Mentana, Montorio al Vomano, Narni, Rieti, San Benedetto del Tronto, Sora, Spoleto, Terni and Tolentino. Felt [III] at Rome and [II] at Bologna, Florence and Naples. Felt throughout central Italy and from southern Veneto to Basilicata. Moment Tensor Solution. $M_0$4.00000×10^{16} Moment Tensor Solution. $M_0$1.00000×10^{17}
MOS Error ellipse: s-maj=3.5km s-min=2.5km az=103.1.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=29.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
SFS Event type ke.
BEO Event type ke.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=190, per= 50. Moment Tensor Solution. s60,c101; s9,c9; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.13±.10 $M_{\theta\theta}$3.18±.10; $M_{\phi\phi}$3.96±.10; $M_{r\theta}$-2.87±.28; $M_{\theta\phi}$-3.57±.08; $M_{\phi r}$-0.25±.29; Best double couple: NP1:ϕ_s333.00000°,δ40.00000°,λ-65.00000°. NP2:ϕ_s122.00000°,δ54.00000°,λ-109.00000°. Principal axes: T 7.3800,Plg7.0000°,Azm226.0000°; N 0.6300,Plg16.0000°,Azm134.0000° ; P -7.9900,Plg73.0000°,Azm340.0000° $M_0$7.70000×10^{16}

(43) Southern California
ISC IV 09 21 45 29.9–.90 33.15N–.02 116.53W–.02 16–8 45 0-8
ISCJB IV 09 21 45 29.7–.46 33.14N–.03 116.54W–.03 12–5 ¶14413549
NEIC IV 09 21 45 30.7 33.16N 116.56W 14 3.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.7km az=172.6.
NEIC Event type fe. Felt [III] at Borrego Springs, El Cajon, Julian, Ramona, Ranchita and San Diego; Felt [II] at Alpine, Escondido, Lakeside, Poway, Santa Ysabel, Santee and Valley Center. Also felt at Descanso, Fallbrook, Hemet, Irvine, La Mesa, Murrieta, Pauma Valley, Pine Valley, Rancho Santa Fe, San Jacinto, San Marcos, Sun City, Vista, Warner Springs and Winchester. After PAS.

(381) Central Italy
ISC IV 09 22 40 07.1–.68 42.49N–.01 13.28E–.01 12–4 3.7b 403 0-67
ISCJB IV 09 22 40 06.0–.18 42.50N–.01 13.26E–.01 13–1 3.7b ¶12578482
PRU IV 09 22 40 05.6 42.49N 13.14E 0 3.9
LDG IV 09 22 40 06.1–.10 42.52N 13.36E 2 3.4L
IDC IV 09 22 40 06.8–1.4 42.68N 13.27E 0 3.8,3.6
CSEM IV 09 22 40 06.3–.08 42.50N 13.26E 2 4.0L,3.9b
NEIC IV 09 22 40 06.0 42.48N 13.30E 11 3.9b,3.6L
ROM IV 09 22 40 06.1–.05 42.48N 13.31E 11–0 3.8L,3.6L
PDG IV 09 22 40 06.7–.70 42.51N 13.29E 9–0 3.7L,3.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=33.9.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=40.0.
IDC Error ellipse: s-maj=22.3km s-min=16.3km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=32.0.
NEIC Event type fe. Felt [III] at Ascoli Piceno, Rieti and Rome; [II] at Foligno, Frosinone, Gualdo Tadino, Macerata, Montesilvano, Spoleto, Sulmona and Terni. After ROM.
ROM Event type ke. Error ellipse: s-maj=0.4km s-min=0.3km az=174.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.

(249) Luzon
ISC IV 09 23 39 54.1–.51 12.71N–.04 123.08E–.04 19 3.9b,3.7s 55 1-93
IDC IV 09 23 39 51.1–.75 12.56N 123.01E 0 4.0,4.0L ¶12582163
ISCJB IV 09 23 39 53.0–.29 12.70N–.03 123.03E–.04 19 4.0b,3.7s
MAN IV 09 23 39 52 12.73N 123.06E 10 5.1b,4.1s
BJI IV 09 23 39 55.0 13.19N 123.43E 40 4.0b,4.1s
NEIC IV 09 23 39 55.7–.39 12.61N 123.15E 35 4.5b,4.1s
ISC Event type fe.
IDC Error ellipse: s-maj=30.0km s-min=14.7km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.5km az=145.3.
MAN Event type fe. INTENSITY III - MASBATE MASBATE; CABID-AN SORSOGON; SAN BENON IROSIN SORSOGON.
NEIC Event type fe. Error ellipse: s-maj=14.2km s-min=7.7km az=61.0. Felt [III PIVS] at Masbate. Also felt [III PIVS] at Irosin and Sorsogon; [II PIVS] at Legaspi, Santa Misericordia and Santo Domingo, Luzon.

(381) Central Italy
ISC IV 10 03 22 23.3–.65 42.48N–.01 13.40E–.01 5–4 4.0b 475 0-83
ISCJB IV 10 03 22 22.0–.19 42.47N–.01 13.35E–.02 10–1 3.9b ¶12578488
BJI IV 10 03 22 21.0 42.50N 13.40E 5 4.8b,4.8b
CSEM IV 10 03 22 22.6–.07 42.47N 13.34E 2 4.4L,3.9b
ROM IV 10 03 22 22.2–.06 42.46N 13.42E 10–0 3.9L,3.9b
NEIC IV 10 03 22 22.0 42.47N 13.42E 9 4.0b,3.9W
PDG IV 10 03 22 23.0–1.4 42.52N 13.44E 4–2 3.9L,3.9W
LDG IV 10 03 22 23.2–.13 42.50N 13.44E 2 3.5L,3.9W
IDC IV 10 03 22 23.2–.99 42.60N 13.25E 0 3.8,3.7
PRU IV 10 03 22 23.1 42.49N 13.61E 1 4.0,3.7
THE IV 10 03 22 25.3 42.51N 13.36E 32–68 4.0,3.7
BEO IV 10 03 22 28.4–2.5 42.58N 13.44E 0 4.2L,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=40.4.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=40.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=73.0.
NEIC Event type fe. Felt [III] at Ascoli Piceno, Rieti and Sulmona; [II] at Avezzano, Cascia, Chieti, Foligno, Frosinone, Gualdo Tadino, Macerata, Montesilvano, Pescara, Rome, Spoleto, Spoltore and Terni. Also felt at Castelli. After ROM. Moment Tensor Solution. $M_0$8.30000×10^{14}
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.9km az=0.0.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.0km az=40.0.
IDC Error ellipse: s-maj=19.0km s-min=13.2km az=95.0.
THE Event type ke. Error ellipse: s-maj=68.3km s-min=6.1km az=0.0.
BEO Event type ke.

(1) Central Alaska
ISC IV 10 05 50 11.4–.29 63.51N–.03 151.74W–.02 17–1 4.7b,4.6s 796 0-153
ISCJB IV 10 05 50 08.6–.73 63.55N–.02 151.85W–.03 8–4 4.7b,4.4s ¶13438293
BJI IV 10 05 50 08.5 63.62N 152.19W 8 5.2b,5.0s
NEIC IV 10 05 50 10.2 63.50N 151.74W 14 4.8L,4.7b
MOS IV 10 05 50 12.0–.90 63.57N 151.80W 33 5.1b,4.7b
IDC IV 10 05 50 12.4–.52 63.63N 151.68W 18–2 4.4,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=29.0.
NEIC Event type fe. Felt [IV] at Nenana and [II] at Fairbanks, Fort Wainwright and Healy. Also felt at Cantwell, Denali National Park, Eielson AFB and North Pole. After AEIC. Moment Tensor Solution. $M_0$6.80000×10^{15}
MOS Error ellipse: s-maj=10.6km s-min=4.8km az=100.8.
IDC Error ellipse: s-maj=10.3km s-min=8.1km az=5.0.

(377) Spain
ISC IV 10 07 00 23.6–1.1 37.44N–.02 2.46W–.02 7–9 281 0-7
ISCJB IV 10 07 00 23.7–.39 37.59N–.02 2.60W–.02 0–2 ¶12742159
MDD IV 10 07 00 24.9–.25 37.42N 2.45W 0 2.9
CSEM IV 10 07 00 24.3–.13 37.46N 2.50W 2 3.5L
SFS IV 10 07 00 25.0 37.41N 2.45W 0 2.9L
IGIL IV 10 07 00 25.1 37.41N 2.46W 0 2.8L
LDG IV 10 07 00 25.2–.20 37.39N 2.45W 2 3.4L
INMG IV 10 07 00 25.0–1.7 37.41N 2.45W 2–3 3.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=158.6.
MDD Event type fe. Error ellipse: s-maj=2.5km s-min=2.0km az=136.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=154.0.
SFS Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=141.0.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=121.0.

(244) Taiwan
ISC IV 10 07 10 45.7–.81 22.50N–.02 121.01E–.03 15–5 3.8b 112 0-85
IDC IV 10 07 10 43.2–.88 22.51N 121.08E 0 3.9,3.8 ¶12578498
NEIC IV 10 07 10 44.8–.75 22.29N 120.46E 10 4.2b,4.2L
ISCJB IV 10 07 10 45.7–.43 22.46N–.02 121.05E–.03 9–2 3.9s,3.7b
TAP IV 10 07 10 46.3 22.56N 120.96E 10–0 4.0L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=18.8km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=30.7km s-min=14.8km az=82.0. Recorded [5 TAP] in T'ai-tung and [2 TAP] in P'ing-tung.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.3km az=25.2.
TAP C.

(235) Kyushu
JMA IV 10 11 01 59.4 31.51N 129.65E 13–1 3.7
NIED IV 10 11 01 00 31.50N 129.60E 5 3.3W ¶14466470
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s172.00000°,δ62.00000°,λ-142.00000°. NP2:ϕ_s62.00000°,δ57.00000°,λ-34.00000°. $M_0$1.18000×10^{14}

(193) Bougainville - Solomon Islands region
ISC IV 10 13 21 51.2–.29 8.93S–.05 159.79E–.05 126–1 4.8b 379 1-158
BJI IV 10 13 21 45.1 9.21S 160.42E 125 4.9b,4.9b ¶15153661
MOS IV 10 13 21 49.2–.93 8.87S 159.57E 116 5.1b,4.9b
IDC IV 10 13 21 50.7–.32 8.94S 159.77E 120–2 4.6,4.6
ISCJB IV 10 13 21 50.4–.15 8.90S–.04 159.56E–.03 123 4.9b,4.6
NEIC IV 10 13 21 51.1–.19 8.89S 159.63E 121 5.0b,4.6
AUST IV 10 13 22 09.6 9.15S 159.53E 300 5.0b,4.6
DJA IV 10 13 22 19.1–2.7 9S–10 159E–15 365–26 5.3b,4.7
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Honiara.

(211) Southeast of Honshu
ISC IV 10 17 36 35.8–.59 33.27N–.04 141.02E–.06 37–1 4.0b 106 1-149
NIED IV 10 17 36 00 33.30N 141.00E 41 3.9W ¶12934954
ISCJB IV 10 17 36 35.8–.68 33.27N–.03 140.97E–.05 54–5 4.0b,3.9s
JMA IV 10 17 36 35.9–.20 33.33N 141.00E 42 4.0,3.9s
IDC IV 10 17 36 37.8–1.6 33.21N 140.86E 51–14 4.4L,3.8
NEIC IV 10 17 36 38.4–1.2 33.18N 140.87E 59–11 4.3b,3.8
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ86.00000°,λ-146.00000°. NP2:ϕ_s303.00000°,δ56.00000°,λ-4.00000°. $M_0$8.45000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.2km az=1.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=16.6km s-min=11.6km az=83.0.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=7.7km az=78.0. Recorded [1 JMA] on Hachijo-jima.

(220) Northwest of Kuril Islands
ISC IV 10 19 02 26.2–1.8 50.4N–.10 157.58E–.10 74–23 40 1-51

MOS IV 10 19 02 27.8–1.4 51.21N 155.93E 31 4.2b **¶14210852**
KRSC IV 10 19 02 29.4–.90 50.70N 157.90E 10–10 4.1L
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=30.3km s-min=12.6km az=67.3. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se.

(122) Near coast of northern Chile

ISC IV 10 22 01 17.4–1.0 18.44S–.05 70.5W–.10 72–7 3.9b 30 0-88
IDC IV 10 22 01 04.0–2.4 19.42S 70.84W 0 3.9,3.9b **¶12934937**
ISCJB IV 10 22 01 16.7–.57 18.40S–.06 70.5W–.10 79–5 3.8b,3.9b
NEIC IV 10 22 01 18.0 18.47S 70.44W 72 3.8,3.9b
GUC IV 10 22 01 18.0–.94 18.47S 70.44W 72–7 3.8L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=70.2km s-min=43.3km az=179.0.
ISCJB Event type fe. Error ellipse: s-maj=17.7km s-min=7.0km az=155.7.
NEIC Event type fe. Felt [II] at Arica. After GUC.
GUC Error ellipse: s-maj=7.2km s-min=9.3km az=-1.0.

(57) Michoacan

ISC IV 11 09 22 10.7–.29 18.09N–.04 102.26W–.03 30–1 5.0b,4.5s 994 1-151
ISCJB IV 11 09 22 09.0–.20 17.97N–.02 102.31W–.02 28 4.9b,4.5s **¶13438372**
BJI IV 11 09 22 09.6 18.20N 102.00W 29 5.4b,5.3b
MEX IV 11 09 22 10.8–.88 17.71N 102.41W 2–7 4.7,5.3b
IDC IV 11 09 22 11.0–.41 18.20N 102.20W 29–2 4.6,4.5
MOS IV 11 09 22 11.2–.98 18.25N 102.09W 33 5.4b,4.5
NEIC IV 11 09 22 11.4–.22 18.17N 102.14W 30 5.0b,4.8
GCMT IV 11 09 22 15.0–.40 17.97N 102.26W 25–0 5.1W,4.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=1.9km az=41.5.
MEX Error ellipse: s-maj=7.0km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=15.1km s-min=8.2km az=59.0.
MOS Error ellipse: s-maj=7.8km s-min=4.4km az=87.4.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.0km az=45.0. Felt [III] at Lazaro Cardenas and [II] at Mexico. Also felt at Huatulco, La Mira and Patzcuaro.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s56,c75; s72,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}3.67±.17 $M_{\theta\theta}$-2.62±.12; $M_{\phi\phi}$-1.06±.14; $M_{r\theta}$-2.91±.26; $M_{\theta\phi}$2.17±.11; $M_{\theta r}$0.23±.30; Best double couple: NP1:ϕ_s143.00000°,δ31.00000°,λ122.00000°. NP2:ϕ_s287.00000°,δ64.00000°,λ72.00000°. Principal axes: T 4.8700,Plg66.0000° ,Azm165.0000°; N 0.0400,Plg16.0000°,Azm295.0000°; P -4.9200,Plg17.0000°,Azm30.0000° M_o4.90000×10^{16}

(235) Kyushu

ISC IV 11 11 58 17.7–.64 31.30N–.05 130.74E–.06 112–5 4.0b 57 0-85
NIED IV 11 11 58 00 31.30N 130.70E 110 4.2W **¶13438379**
ISCJB IV 11 11 58 16.7–.32 31.32N–.04 130.74E–.05 118–2 4.0b
JMA IV 11 11 58 18.4–.10 31.31N 130.76E 106–1 3.8
IDC IV 11 11 58 19.5–1.3 31.46N 130.71E 124–10 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ87.00000°,λ93.00000°. NP2:ϕ_s154.00000°,δ4.00000°,λ47.00000°. M_o1.93000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.8km az=22.0.
JMA Event type fe.
IDC Error ellipse: s-maj=16.3km s-min=13.5km az=47.0.

(460) Wyoming

ISC IV 11 16 07 47.2–.67 44.00N–.02 105.25W–.03 0 71 0-89
IDC IV 11 16 07 46.9–1.6 43.98N 105.40W 0 3.6L,3.5b **¶12935020**
NEIC IV 11 16 07 47.5–1.4 44.04N 104.83W 0 2.7L,3.5b
ISCJB IV 11 16 07 47.7–.29 43.97N–.02 105.27W–.03 0 3.6b,3.5b
ISC Event type kh.
NEIC Event type fm. 55 km [35 miles] WNW of Newcastle. Suspected Mining explosion.
ISCJB Event type fm.

(519) Southern Texas

ISC IV 11 22 14 20.4–1.3 28.89N–.05 98.54W–.04 10 35 1-7
NEIC IV 11 22 14 20.1–1.8 28.88N 98.53W 5 2.8 **¶14413565**
ISCJB IV 11 22 14 20.2–.82 28.87N–.05 98.47W–.04 10 2.8
ISC Event type fe.
NEIC Event type fe. Felt at Jourdanton and Pleasanton.
ISCJB Event type fe.

(368) Southern Greece

ISC IV 11 23 41 17.2–.32 37.09N–.02 22.73E–.02 84–2 4.0b 631 0-120
IDC IV 11 23 41 15.1–1.9 37.05N 22.93E 65–17 3.8,3.8 **¶13438394**
ATH IV 11 23 41 16.3 37.12N 22.77E 86–1 4.1L,3.8
ISCJB IV 11 23 41 16.2–.17 37.10N–.01 22.70E–.02 92–1 4.0b,3.8
NEIC IV 11 23 41 16.3 37.12N 22.77E 86 4.2b,3.8
CSEM IV 11 23 41 16.8–.11 37.06N 22.73E 86–1 4.1b,3.8
MOS IV 11 23 41 17.3–1.1 37.12N 22.74E 97 4.0b,3.8
BEO IV 11 23 41 17.5–1.2 37.36N 22.14E 0 3.9L,3.8
PDG IV 11 23 41 18.6–.52 37.46N 22.40E 16–4 4.1L,3.8
THE IV 11 23 41 18.0 37.14N 22.79E 74–1 3.9L,3.8
HLW IV 11 23 41 19.9 36.72N 23.40E 33–61 4.5,4.2L
DDA IV 11 23 41 20.9 37.40N 23.45E 7 3.6,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=14.7km s-min=13.2km az=177.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=138.0.
NEIC Event type fe. Felt at Athens, Nafplio and Sparta. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=52.0.
MOS Error ellipse: s-maj=8.6km s-min=4.9km az=70.9.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=239.0.
DDA Event type ke.

(460) Wyoming

ISC IV 12 00 03 35.1–.68 43.64N–.02 105.23W–.02 0 90 0-20
IDC IV 12 00 03 30.9–3.2 42.97N 105.00W 0 3.7L,3.6 **¶12935140**
ISCJB IV 12 00 03 34.6–.24 43.68N–.02 105.30W–.03 0 3.7L,3.6
NEIC IV 12 00 03 35.7–.42 43.71N 105.23W 0 2.8L,3.6
ISC Event type km.
IDC Error ellipse: s-maj=64.4km s-min=10.1km az=159.0.
ISCJB Event type fm. Error ellipse: s-maj=2.9km s-min=2.6km az=169.8.
NEIC Event type fm. Error ellipse: s-maj=6.8km s-min=4.9km az=170.0. 70 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(70) Guatemala

ISC IV 12 00 18 55.9–1.1 14.32N–.03 90.42W–.02 7–7 4.1b,3.6s 113 0-137
ISCJB IV 12 00 18 55.9–.46 14.31N–.03 90.47W–.03 12–3 4.1b,3.5s **¶12935136**
CASC IV 12 00 18 55.8–1.5 14.33N 90.50W 10 4.3b,3.8
NEIC IV 12 00 18 56.6–.67 14.33N 90.54W 10 4.3b,3.9
IDC IV 12 00 19 00.2–3.0 14.36N 90.50W 39–25 4.0,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.0km az=34.7.
CASC Error ellipse: s-maj=3.2km s-min=2.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=7.9km az=214.0. Felt at Guatemala.
IDC Error ellipse: s-maj=28.3km s-min=17.4km az=48.0.

(45) California-Baja California border region

ISC IV 12 03 19 24.6–.42 32.36N–.02 115.22W–.02 10 3.9b 143 0-92
ISCJB IV 12 03 19 22.8–.26 32.36N–.02 115.21W–.02 10 3.9b,3.1s **¶12582055**
NEIC IV 12 03 19 24.4 32.35N 115.23W 0 4.4L,4.0b
IDC IV 12 03 19 24.6–1.5 32.36N 114.99W 0 4.0,3.9b
ECX IV 12 03 19 24.8–.65 32.36N 115.25W 4 4.6W,4.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=177.4.
NEIC Event type fe. Felt [II] at Mexicali. Also felt at Guadalupe Victoria. Felt [III] at El Centro and [II] at Imperial, California. Also felt at Brawley, Calexico and in parts of San Diego County. Felt [II] at Yuma, Arizona. Also felt at Somerton. After ECX. Moment Tensor Solution. M_o1.10000×10^{15}
IDC Error ellipse: s-maj=30.7km s-min=13.5km az=41.0.
ECX Error ellipse: s-maj=1.5km s-min=2.3km az=-1.0. Moment Tensor Solution. NP1: ϕ_s110.00000°,δ90.00000°,λ0.00000°.

(45) California-Baja California border region

ISC IV 12 09 41 28.7–.86 32.13N–.02 115.71W–.02 16–5 3.4b,3.1s 106 0-101
ISCJB IV 12 09 41 27.5–.50 32.13N–.02 115.67W–.02 10–4 3.4b,3.2s **¶12582073**
IDC IV 12 09 41 29.1–2.5 32.19N 115.47W 0 3.7,3.6
ECX IV 12 09 41 29.1–.76 32.13N 115.70W 5 4.4L,4.3
NEIC IV 12 09 41 29.1 32.13N 115.70W 5 4.4L,4.3W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.9km az=171.0.
IDC Error ellipse: s-maj=42.9km s-min=11.8km az=37.0.
ECX Error ellipse: s-maj=1.5km s-min=2.1km az=-1.0.
NEIC Event type fe. Felt [II] at Mexicali. Also felt at Ensenada. Felt at Chula Vista, Desert Hot Springs, El Centro, Escondido, Jamul, Poway and Spring Valley, California. After ECX. Moment Tensor Solution. M_o3.10000×10^{15}

(224) Hokkaido region

ISC IV 12 12 13 16.0–.75 42.25N–.06 143.07E–.05 61–6 3.9b 44 0-70
NIED IV 12 12 13 00 42.30N 143.10E 53 3.8W **¶12935097**
ISCJB IV 12 12 13 14.8–.46 42.23N–.05 143.06E–.06 70–3 3.7b
MOS IV 12 12 13 15.3–1.3 42.29N 143.00E 74 4.1b
JMA IV 12 12 13 16.8–.10 42.31N 143.06E 51–1 3.7
IDC IV 12 12 13 17.5–2.0 42.23N 143.03E 77–14 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ63.00000°,λ83.00000°. NP2:ϕ_s228.00000°,δ28.00000°,λ103.00000°. M_o4.76000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=6.0km az=147.3.
MOS Error ellipse: s-maj=17.6km s-min=11.7km az=86.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s188.00000°,δ86.00000°,λ-87.00000°. NP2: ϕ_s331.00000°,δ5.00000°,λ-127.00000°. Principal axes: T Plg41.0000°,Azm275.0000° ; N Plg3.0000°,Azm8.0000°; P Plg49.0000°,Azm101.0000°
IDC Error ellipse: s-maj=22.2km s-min=13.7km az=104.0.

(115) Near coast of Peru

ISC IV 12 16 24 38.9–.52 14.48S–.07 75.51W–.07 68–4 4.7b 394 3-173
BJI IV 12 16 24 33.0 14.96S 75.96W 46 5.2b,5.1s **¶12582086**
ISCJB IV 12 16 24 39.3–.84 14.29S–.06 75.35W–.06 80–7 4.5b,5.1s
IDC IV 12 16 24 39.4–.72 14.28S 75.27W 65–5 4.3,4.2
NEIC IV 12 16 24 40.1–.71 14.25S 75.29W 73–6 4.8b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.0km s-min=4.8km az=43.8.
IDC Error ellipse: s-maj=26.1km s-min=10.1km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=4.9km az=52.0. Felt [III] at Ica and Palpa; [II] at Ayacucho, Nazca and Pisco. Also felt at Chincha Alta, Lima and Nuevo Imperial.

(361) Crimea region

ISC IV 12 16 31 41.2–.70 44.09N–.03 34.13E–.03 20–3 4.0b,3.0s 457 0-88
BJI IV 12 16 31 38.6 44.10N 34.10E 20 5.0b,4.6s **¶13438439**
MOS IV 12 16 31 39.3–1.2 44.16N 34.17E 14 4.2b,4.6s
IDC IV 12 16 31 39.2–.59 44.16N 34.25E 0 3.9,3.9b
ISCJB IV 12 16 31 40.7–.36 44.10N–.01 34.08E–.02 31–3 4.0b,3.3s
NEIC IV 12 16 31 41.9–.85 44.16N 34.23E 20–6 4.2b,3.3s
CSEM IV 12 16 31 42.1–.27 44.14N 34.14E 23–2 4.0b,2.6s
ATH IV 12 16 32 53.5 41.33N 27.69E 93–2 4.0b,2.6s
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=5.7km s-min=4.9km az=99.8. Felt (III) at Yalta, (II-III) at Simeiz. Moment Tensor Solution.
IDC Error ellipse: s-maj=13.0km s-min=7.7km az=16.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.0km az=5.6.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.9km az=182.0. Felt [III] at Simeiz and Yalta.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=9.0.
ATH Error ellipse: s-maj=1.5km s-min=2.0km az=-1.0.

(366) Turkey

ISC IV 12 17 34 56.7–.82 37.66N–.02 28.05E–.02 8–6 3.4b 246 0-56
ISCJB IV 12 17 34 55.8–.40 37.72N–.02 28.05E–.02 4–3 3.4b **¶13568080**
NEIC IV 12 17 34 56.3 37.64N 27.97E 24 3.9L,3.9L
DDA IV 12 17 34 56.1 37.70N 28.06E 7 3.0,3.9L
ISK IV 12 17 34 56.4 37.64N 27.98E 24 4.0L,3.9L
CSEM IV 12 17 34 56.7–.10 37.73N 28.07E 2 3.0,3.9L
THE IV 12 17 34 57.9 37.76N 28.06E 0–1 4.0L,3.9L
IDC IV 12 17 35 01.3–3.1 37.44N 28.22E 40–34 3.8L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=35.8.
NEIC Event type fe. Felt at Aydin. After ISK.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=28.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=51.0.
IDC Error ellipse: s-maj=21.5km s-min=16.9km az=178.0.

(460) Wyoming

ISC IV 12 18 01 36.9–.85 43.62N–.03 105.30W–.03 0 59 0-20
IDC IV 12 18 01 35.4–2.4 43.37N 105.28W 0 3.6,3.4L **¶12935075**
ISCJB IV 12 18 01 36.7–.32 43.67N–.02 105.33W–.04 0 3.6,3.4L
NEIC IV 12 18 01 36.7–.89 43.65N 105.32W 0 2.7L,3.4L
ISC Event type km.
IDC Error ellipse: s-maj=51.2km s-min=9.7km az=155.0.
ISCJB Event type fm. Error ellipse: s-maj=3.8km s-min=3.2km az=174.6.
NEIC Event type fm. Error ellipse: s-maj=15.6km s-min=9.8km az=168.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC IV 12 18 49 21.8–.82 43.46N–.03 105.21W–.03 0 35 0-20
IDC IV 12 18 49 14.4–3.1 42.52N 105.03W 0 3.3,3.1 **¶12935069**
NEIC IV 12 18 49 22.4–.58 43.72N 105.37W 0 3.0L,3.1
ISCJB IV 12 18 49 23.6–.43 43.53N–.03 105.33W–.05 0 3.0L,3.1
ISC Event type km.
NEIC Event type fm. 65 km [40 miles] S of Gillette. Suspected Mining explosion.
ISCJB Event type fm.

(249) Luzon

ISC IV 12 20 34 08.8–.60 18.62N–.06 120.63E–.06 41 3.9b 41 0-88
IDC IV 12 20 34 06.9–1.1 18.42N 120.99E 39–8 3.7,3.6 **¶12935066**
ISCJB IV 12 20 34 07.2–.37 18.62N–.03 120.67E–.05 41 4.0b,3.6
MAN IV 12 20 34 08 18.46N 120.70E 21 5.3b,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=28.0km s-min=14.7km az=66.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=4.1km az=159.6.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE; LAOAG CITY.

(227) Eastern Honshu

ISC IV 13 01 34 02.7–.75 36.08N–.03 139.85E–.04 51–6 3.7b 49 0-92
NIED IV 13 01 34 00 36.10N 139.80E 50 3.9W **¶12935227**
ISCJB IV 13 01 34 01.8–.35 36.07N–.03 139.88E–.05 58–3 3.7b,3.3s
JMA IV 13 01 34 02.7–.10 36.08N 139.85E 47–1 3.9,3.3s
IDC IV 13 01 34 03.3–1.5 36.02N 139.74E 58–15 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s49.00000°,δ71.00000°,λ70.00000°. NP2:ϕ_s277.00000°,δ27.00000°,λ135.00000°. M_o6.70000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.6km az=170.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s41.00000°,δ74.00000°,λ83.00000°. NP2: ϕ_s244.00000°,δ17.00000°,λ113.00000°. Principal axes: T Plg60.0000°,Azm301.0000° ; N Plg6.0000°,Azm42.0000°; P Plg29.0000°,Azm136.0000°
IDC Error ellipse: s-maj=17.1km s-min=10.4km az=71.0.

(162) South Island

ISC IV 13 02 31 35.1–.52 43.50S–.03 171.61E–.03 15 4.3b 83 0-153
IDC IV 13 02 31 33.4–.98 43.34S 171.65E 0 4.3,4.2 **¶12935224**
ISCJB IV 13 02 31 34.4–.28 43.48S–.03 171.61E–.03 15 4.2b,4.2
WEL IV 13 02 31 35.2–.10 43.49S 171.60E 5 4.3L,4.2
NEIC IV 13 02 31 36.3 43.56S 171.63E 12 4.3L,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=8.6km az=134.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.5km az=142.0.
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.8km az=90.0. Felt from West Coast to Canterbury, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Christchurch and Papanui. Also felt in central Canterbury. After WEL.

(259) Mindanao

ISC IV 13 09 30 40.3–1.1 9.91N–.03 125.08E–.05 29–8 4.0b,3.4s 69 0-119
IDC IV 13 09 30 35.7–.59 9.89N 125.11E 0 4.1,4.0 **¶12935203**
MAN IV 13 09 30 39 9.89N 125.08E 8 4.8b,3.7s
ISCJB IV 13 09 30 40.7–.52 9.89N–.03 125.11E–.05 47–5 4.0b,3.5s
NEIC IV 13 09 30 48.4–1.1 9.87N 125.14E 104–11 4.3b,3.5s

ISC Event type fe.
IDC Error ellipse: s-maj=27.7km s-min=14.2km az=75.0.
MAN Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.4km az=173.6.
NEIC Event type fe. Error ellipse: s-maj=13.5km s-min=7.0km az=68.0. Felt on Limasawa Island.

(228) Near east coast of eastern Honshu

ISC	**IV**	**13 16 58 53.5–.67**	**35.66N–.04**	**140.73E–.04**	**46–6**	**4.3b,3.4s**	**158**	**0-148**
IDC	IV	13 16 58 46.9–.52	35.61N	140.68E	0	4.3,4.2		¶12935173
MOS	IV	13 16 58 50.1–.88	35.62N	140.87E	39	4.6b,4.2		
NEIC	IV	13 16 58 51.6–1.8	35.59N	140.77E	32–12	4.5b,4.4W		
ISCJB	IV	13 16 58 52.3–.37	35.63N–.03	140.74E–.05	52–2	4.3b,3.3s		
JMA	IV	13 16 58 53.0–.10	35.66N	140.71E	46–1	4.2,3.3s		
BJI	IV	13 16 58 55.4	35.82N	140.31E	62	4.7b,4.6b		
NIED	IV	13 16 59 00	35.70N	140.80E	53	4.4W,4.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.8km s-min=12.2km az=96.0.
MOS Error ellipse: s-maj=11.2km s-min=6.8km az=124.5.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=6.5km az=88.0. Recorded [2 JMA] in Chiba and [1 JMA] in Ibaraki and Kanagawa. Moment Tensor Solution. $M_0$4.90000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.0km az=2.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s7.00000°,δ69.00000°,λ78.00000°. NP2: ϕ_s218.00000°,δ24.00000°,λ119.00000°. Principal axes: T Plg64.0000°,Azm257.0000° ; N Plg11.0000°,Azm11.0000°; P Plg23.0000°,Azm106.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ78.00000°,λ82.00000°. NP2: ϕ_s217.00000°,δ15.00000°,λ124.00000°. $M_0$4.90000×10^{15}

(460) Wyoming

ISC	**IV**	**13 17 28 07.1–.69**	**41.72N–.02**	**110.66W–.02**	**0**		**96**	**0-21**
ISCJB	IV	13 17 28 07.0–.21	41.70N–.01	110.66W–.02	0			¶12935170
NEIC	IV	13 17 28 07.4–.45	41.72N	110.69W	0	2.2L		
IDC	IV	13 17 28 09.1–1.6	41.94N	110.60W	0	3.2,3.1		

ISC Event type km.
ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.7km az=165.6.
NEIC Event type fm. Error ellipse: s-maj=9.7km s-min=3.8km az=104.0. 55 km [35 miles] NNE of Evanston. Suspected Mining explosion.
IDC Error ellipse: s-maj=42.0km s-min=11.5km az=141.0.

(238) Ryukyu Islands

ISC	**IV**	**13 17 47 49.8–.67**	**25.90N–.05**	**126.93E–.04**	**58–6**	**3.8b**	**57**	**0-85**
NIED	IV	13 17 47 00	26.10N	126.80E	44	4.0W		¶13438482
ISCJB	IV	13 17 47 48.6–.37	25.98N–.05	126.83E–.05	58–3	3.8b,2.6s		
JMA	IV	13 17 47 49.2	26.03N	126.81E	56–1	3.7,2.6s		
IDC	IV	13 17 47 50.5–.78	25.96N	126.80E	62–8	3.7,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s109.00000°,δ63.00000°,λ121.00000°. NP2:ϕ_s237.00000°,δ40.00000°,λ45.00000°. $M_0$1.12000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=3.1km az=139.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=23.5km s-min=15.6km az=89.0.

(92) Leeward Islands

ISC	**IV**	**13 18 02 58.3–.93**	**15.69N–.03**	**61.47W–.05**	**19–2**	**4.1b**	**74**	**0-75**
IDC	IV	13 18 02 55.4–.95	15.76N	61.36W	0	5.9L,4.1		¶12935168
TRN	IV	13 18 02 56.5	15.74N	61.44W	15	3.7,3.5		
NEIC	IV	13 18 02 57.6	15.72N	61.38W	20	3.7,3.6		
ISCJB	IV	13 18 02 58.1–.32	15.76N–.03	61.48W–.06	27–3	3.8b,3.3s		

ISC Event type ke.
TRN Event type fe. Felt III Guadeloupe.
NEIC Event type fe. Felt in the Portsmouth area. After TRN.
ISCJB Event type fe.

(460) Wyoming

ISC	**IV**	**13 19 04 59.8–.67**	**43.59N–.02**	**105.29W–.02**	**0**		**88**	**0-20**
IDC	IV	13 19 04 58.0–2.8	43.37N	105.30W	0	3.5,3.3		¶12935164
ISCJB	IV	13 19 04 59.8–.23	43.60N–.01	105.28W–.02	0	3.5,3.3		
NEIC	IV	13 19 05 00.7–.82	43.59N	105.13W	0	3.2L,3.3		

ISC Event type km.
IDC Error ellipse: s-maj=61.3km s-min=9.7km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=2.0km az=151.1.
NEIC Event type fm. Error ellipse: s-maj=11.3km s-min=10.1km az=147.0. 80 km [50 miles] WSW of Newcastle. Suspected Mining explosion.

(381) Central Italy

ISC	**IV**	**13 21 14 26.6–.34**	**42.51N–.01**	**13.37E–.01**	**13–1**	**4.9b,4.5s**	**1649**	**0-156**
STR	IV	13 21 14 13.2–4.0	41.92N	14.53E	10	4.9L,4.5s		¶13438490
BJI	IV	13 21 14 22.9	42.74N	12.96E	12	5.3b,5.1s		
ISCJB	IV	13 21 14 23.8–.22	42.573N–.01	13.395E–.01	1–1	4.8b,4.5s		
CRAAG	IV	13 21 14 23.9	42.55N	13.42E		4.9L,4.5s		
ROM	IV	13 21 14 24.4–.07	42.50N	13.38E	9–0	5.0L,4.5s		
LDG	IV	13 21 14 24.5–.16	42.54N	13.36E	2	4.9L,4.5s		
IDC	IV	13 21 14 24.4–.44	42.56N	13.36E	0	4.6,4.6		
PDG	IV	13 21 14 24.6–.60	42.55N	13.37E	6–1	4.8,4.7L		
NEIC	IV	13 21 14 24.0	42.50N	13.36E	8	5.1W,4.9b		
PRU	IV	13 21 14 24.9	42.54N	13.21E	0	4.9,4.9b		
CSEM	IV	13 21 14 25.1–.06	42.53N	13.35E	2	5.1W,5.0s		
BEO	IV	13 21 14 25.0–.61	42.75N	13.01E	14–11	5.1L,5.0s		
MOS	IV	13 21 14 25.3–.96	42.61N	13.35E	16	5.1b,4.3s		
SFS	IV	13 21 14 26.0	42.59N	13.40E	5	5.0L,4.3s		
GCMT	IV	13 21 14 29.7–.20	42.52N	13.21E	12	5.0W,4.3s		

ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=15.8.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=46.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=3.0.
IDC Error ellipse: s-maj=9.2km s-min=8.2km az=159.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
NEIC Event type fe. Felt [V] at Amatrice, Anagni, Castiglione Messer Raimondo, Colledara, L'Aquila, Magliano de' Marsi, Montegiorgio and Todi; [IV] at Ascoli Piceno, Bellante, Campli, Cheti, Citta Sant' Angelo, Fabriano, Fermo, Folignano, Foligno, Giulianova, Grottammare, Macerata, Montesilvano, Montorio al Vomano, Narni, Norcia, Perugia, Pratola Peligna, Rieti, Rome, Roseto degli Abruzzi, San Benedetto del Tronto, Spoleto, Teramo, Terni, Tolentino, Vasto and Viterbo; [III] at Alba Adriatica, Ancona, Avezzano, Castelfidardo, Cepaggati, Francavilla al Mare, Guidonia Montecelio, Jesi, Martinsicuro, Monteprandone, Monterotondo, Pescara, Sant' Egidio alla Vibrata and Sulmona. Felt throughout central Italy and from southern Veneto to Basilicata. After ROM. Moment Tensor Solution. $M_0$5.70000×10^{16}
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=15.0.
BEO Event type ke.
MOS Error ellipse: s-maj=3.5km s-min=2.5km az=104.7.
SFS Event type ke.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s41,c58; s89,c151; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.08±.08 $M_{\theta\theta}$1.55±.08; $M_{\phi\phi}$2.52±.08; $M_{r\theta}$-1.61±.27; $M_{\theta\phi}$-1.98±.06; $M_{\phi r}$0.43±.26; Best double couple: NP1:ϕ_s334.00000°,δ37.00000°,λ-70.00000°. NP2:ϕ_s129.00000°,δ55.00000°,λ-105.00000°. Principal axes: T 4.2900,Plg9.0000° ,Azm230.0000°; N 0.2100,Plg12.0000°,Azm138.0000°; P -4.5100,Plg75.0000° ,Azm357.0000° $M_0$4.40000×10^{16}

(259) Mindanao

ISC	**IV**	**14 07 02 13.9–.31**	**7.13N–.03**	**123.72E–.04**	**39–3**	**4.5b,3.9s**	**174**	**1-165**
ISCJB	IV	14 07 02 12.5–.38	7.08N–.02	123.75E–.03	45–4	4.5b,4.0s		¶15153703
MAN	IV	14 07 02 12	7.20N	123.67E	28	5.5b,4.8s		
IDC	IV	14 07 02 13.4–.59	7.08N	123.70E	41–5	4.2,4.1L		
NEIC	IV	14 07 02 15.4–.68	7.05N	123.73E	59–6	4.9b,4.1L		
GCMT	IV	14 07 02 16.6–.30	7.13N	123.69E	37–2	5.0W,4.1L		
AUST	IV	14 07 02 17.8	6.50N	124.00E	35	5.0W,4.1L		
BJI	IV	14 07 02 19.6	6.57N	123.95E	51	5.0b,4.6b		
DJA	IV	14 07 02 21.8–.40	7N–3.0	124E–3.0	64–4	5.6,5.5b		

ISC Event type fe.
ISCJB Event type fe.
MAN Event type fe. INTENSITY III - PARANG MAGUINDANAO.
NEIC Event type fe. Felt [III PIVS] at Parang and Sultan Kudarat. Also felt at Cotabato.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s17,c20; s61,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}1.33±.27 $M_{\theta\theta}$2.01±.16; $M_{\phi\phi}$-3.34±.19; $M_{r\theta}$-2.13±.17; $M_{\theta\phi}$1.26±.10; $M_{\phi r}$-0.39±.16; Best double couple: NP1:ϕ_s205.00000°,δ63.00000°,λ151.00000°. NP2:ϕ_s309.00000°,δ65.00000°,λ30.00000°. Principal axes: T 4.0300,Plg39.0000° ,Azm168.0000°; N -0.4100,Plg51.0000°,Azm346.0000°; P -3.6200,Plg1.0000°,Azm77.0000° $M_0$3.80000×10^{16}

(381) Central Italy

ISC	**IV**	**14 13 56 22.5–.71**	**42.55N–.02**	**13.31E–.01**	**8–4**	**3.8b**	**540**	**0-88**
ISCJB	IV	14 13 56 21.0–.19	42.55N–.01	13.28E–.01	10–1	3.7b,3.6s		¶12583053
CSEM	IV	14 13 56 21.6–.08	42.55N	13.26E	2	4.2L,3.9b		
ROM	IV	14 13 56 21.2–.06	42.54N	13.32E	10–0	4.0L,3.9b		
LDG	IV	14 13 56 21.5–.14	42.54N	13.35E	2	3.7L,3.9b		
PDG	IV	14 13 56 21.8–.75	42.56N	13.33E	5–1	4.0L,3.9b		
MOS	IV	14 13 56 21.3–1.2	42.58N	13.28E	13	4.0b,3.9b		
NEIC	IV	14 13 56 21.0	42.54N	13.31E	10	3.9L,3.9L		
IDC	IV	14 13 56 21.6–.80	42.64N	13.12E	0	3.9,3.8		
BEO	IV	14 13 56 22.6–.83	42.60N	13.33E	0	4.1L,3.8		
PRU	IV	14 13 56 22.6	42.53N	13.56E	3	4.1L,3.8		
STR	IV	14 13 56 23.9–1.0	42.65N	13.24E	5	4.1L,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=33.5.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=39.0.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=49.0.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=43.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
MOS Error ellipse: s-maj=6.6km s-min=4.6km az=101.2.
NEIC Event type fe. Felt [III] at Ascoli Piceno, Folignano, Montorio al Vomano, Teramo and Torricella; [II] at Ancona, Cassino, Chieti, Foligno, Latina, Pescara, Rieti, Rome, Sulmona and Terni. Felt in Abruzzo, Lazio, Marche and Umbria. After ROM.
IDC Error ellipse: s-maj=15.5km s-min=12.3km az=104.0.
BEO Event type ke.
STR Event type ke.

(2) Southern Alaska

ISC	**IV**	**14 17 14 26.4–.40**	**60.21N–.03**	**153.14W–.03**	**122–3**	**4.4b**	**325**	**0-150**
BJI	IV	14 17 14 22.7	60.20N	153.00W	121	4.9b,4.6b		¶12583061
IDC	IV	14 17 14 24.6–.98	60.24N	153.30W	103–9	4.1,4.0		
MOS	IV	14 17 14 24.7–.70	60.24N	153.24W	121	4.6b,4.0		
ISCJB	IV	14 17 14 25.3–.15	60.19N–.02	153.10W–.04	127–1	4.4b,4.0		
NEIC	IV	14 17 14 27.4	60.16N	153.06W	118	4.5b,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=10.7km s-min=8.5km az=90.0.
MOS Error ellipse: s-maj=13.3km s-min=5.6km az=85.7.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=137.4.
NEIC Event type fe. Felt at Homer. After AEIC.

(115) Near coast of Peru

ISC	**IV**	**14 17 45 38.4–.38**	**15.60S–.07**	**74.77W–.07**	**26**	**4.5b,4.0s**	**343**	**4-170**
IDC	IV	14 17 45 34.7–.60	15.50S	74.65W	0	4.5,4.4		¶12583063
ISCJB	IV	14 17 45 37.0–.24	15.52S–.05	74.63W–.07	26	4.5b,4.0s		
BJI	IV	14 17 45 38.7	15.23S	74.54W	35	5.3s,5.2b		
NEIC	IV	14 17 45 40.4–.68	15.55S	74.60W	40–6	4.7b,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=24.8km s-min=15.9km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=5.0km az=146.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=5.0km az=61.0. Felt [III] at Chala. Also felt at Acari.

(381) Central Italy

ISC	**IV**	**14 20 17 28.2–.68**	**42.54N–.01**	**13.28E–.01**	**10–4**	**3.7b**	**576**	**0-75**
STR	IV	14 20 16 49.3–.00	40.80N	16.46E	5	3.9L		¶12583389
ISCJB	IV	14 20 17 26.9–.18	42.56N–.01	13.25E–.01	12–1	3.6b,3.3s		
IDC	IV	14 20 17 26.8–.85	42.61N	13.26E	0	3.8,3.7L		
NEIC	IV	14 20 17 27.0	42.53N	13.29E	10	4.1L,4.1L		
BEO	IV	14 20 17 27.9–.87	42.50N	13.22E	0	4.1L,4.1L		
CSEM	IV	14 20 17 27.5–.07	42.55N	13.24E	2	4.3L,4.0W		
LDG	IV	14 20 17 27.0–.11	42.57N	13.30E	2	3.8L,4.0W		
ROM	IV	14 20 17 27.1–.07	42.53N	13.30E	10–0	4.1L,4.0W		
PDG	IV	14 20 17 27.9–.77	42.56N	13.25E	11–1	4.0L,4.0W		
PRU	IV	14 20 17 28.3	42.57N	13.59E	0	4.0L,4.0W		
THE	IV	14 20 17 36.1	42.64N	13.90E	32–76	4.1L,4.0W		

ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=31.6.
IDC Error ellipse: s-maj=15.1km s-min=11.9km az=86.0.
NEIC Event type fe. Felt [IV] at Castignano, Civitella del Tronto, Comunanza and Leonessa; [III] at Ascoli Piceno, Chieti, Folignano, Foligno, Guidonia Montecelio, Montesilvano, Montorio al Vomano, Narni, Rieti, Teramo, Terni and Tolentino; [II] at Ancona, Macerata, Pescara, Rome and Sulmona. Felt in most of Abruzzo, Lazio, Marche and Umbria and in parts of Campania and Molise. After ROM. Moment Tensor Solution. $M_0$1.30000×10^{15}
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=29.0.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=49.0.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=52.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
THE Event type ke. Error ellipse: s-maj=76.6km s-min=4.8km az=0.0.

(259) Mindanao

MAN	**IV**	**14 22 34 52**	**7.24N**	**124.39E**	**19**	**4.3b,3.2L**		**¶14717272**

MAN Event type fe. INTENSITY II - COTABATO CITY.

(613) Hawaiian Islands

ISC	**IV**	**14 22 44 47.6–.38**	**19.48N–.05**	**155.41W–.05**	**14–2**	**5.1b,4.2s**	**604**	**0-141**
NEIC	IV	14 22 44 45.0	19.33N	155.21W	10	5.2b,5.0L		¶12583397
MOS	IV	14 22 44 45.8–1.4	19.55N	155.32W	10	5.4b,5.0L		
ISCJB	IV	14 22 44 45.1–.62	19.40N–.04	155.28W–.03	9–3	5.0b,4.3s		
IDC	IV	14 22 44 45.8–.56	19.46N	155.30W	0	4.9,4.9		
BJI	IV	14 22 44 48.3	19.92N	155.79W	10	5.3b,5.2s		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Hawaii National Park, Honaunau, Kurtistown, Mountain View, Pahoa, Papa'ikou and Pepeekeo; [III] at Captain Cook, Hakalau, Hawaiian Ocean View, Hilo, Holualoa, Honoka'a, Kea'au, Kealakekua, Laupahoehoe, Na'alehu, Ninole, Pahala and Volcano; [II] at Hawi, Kailua Kona, Waimea and Waikoloa. Felt at Honomu, Kapaau, 'O'okala, Pa'auilo and Papa'aloa. Also felt at Hanalei, Kaua'i and at Hickam AFB, Honolulu and Wahiawa, O'ahu. After HVO.
MOS Error ellipse: s-maj=7.8km s-min=6.4km az=77.3.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.0km az=176.9.
IDC Error ellipse: s-maj=17.6km s-min=13.1km az=143.0.

(161) Off west coast of South Island

WEL	**IV**	**14 23 02 07.3–.10**	**46.14S**	**167.79E**	**12**	**4.5L**		
NEIC	IV	14 23 02 06.2	46.15S	167.77E	5	4.5L		¶14211012

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=90.0. Felt from Fiordland to Southland, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Otautau and Tuatapere. Also felt at Invercargill and on Stewart Island. After WEL.

(238) Ryukyu Islands

ISC	**IV**	**14 23 54 47.2–.42**	**27.09N–.03**	**129.95E–.04**	**18–1**	**5.2s,4.9b**	**476**	**1-117**
DJA	IV	14 23 54 43.8–.60	27N–8.0	130E–10	10	5.6b,5.1		¶12583401
BJI	IV	14 23 54 43.2	26.99N	130.14E	18	5.0s,5.0b		
ISCJB	IV	14 23 54 43.6–1.0	27.07N–.02	129.94E–.02	3–6	5.1s,4.8b		
IDC	IV	14 23 54 44.1–.36	27.09N	130.01E	0	5.0s,5.0		
JMA	IV	14 23 54 46.1–.10	27.10N	130.02E	73	4.8,5.0		
MOS	IV	14 23 54 47.9–1.3	27.14N	130.03E	33	5.2s,5.1b		
TEH	IV	14 23 54 47.0	27.10N	129.86E	10	5.0L,5.1b		
NEIC	IV	14 23 54 49.5–.23	27.07N	129.82E	35	5.0b,4.8W		
BGS	IV	14 23 54 57.4–2.5	26.78N	126.68E	33	4.8b,4.8W		
NIED	IV	14 23 55 00	27.10N	130.00E	5	4.8W,4.8W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=154.6.
IDC Error ellipse: s-maj=14.2km s-min=9.2km az=72.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=10.6km s-min=5.0km az=110.1.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.3km az=136.0. Felt at Chatan, Okinawa. Recorded [1 JMA] on Amami-oshima and Tokuno-shima. Moment Tensor Solution. $M_0$1.80000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s244.00000°,δ75.00000°,λ121.00000°. NP2:ϕ_s358.00000°,δ34.00000°,λ28.00000°. $M_0$1.79000×10^{16}

(238) Ryukyu Islands

ISC	**IV**	**15 03 11 28.2–.70**	**26.91N–.06**	**127.41E–.06**	**109–6**	**4.1b**	**55**	**0-86**
NIED	IV	15 03 11 00	27.10N	127.30E	98	4.1W		¶12935324

ISCJB	IV	15 03 11 26.9–.27	26.98N–.06	127.33E–.06	105–5	4.0b	
JMA	IV	15 03 11 28.4–.20	27.05N	127.30E	96–3	3.8	
IDC	IV	15 03 11 30.4–7.7	27.06N	127.31E	118–51	3.9,3.8	

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ81.00000°,λ-59.00000°. NP2:ϕ_s134.00000°,δ32.00000°,λ-162.00000°. $M_0$1.74000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=3.3km az=138.1.

JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

IDC Error ellipse: s-maj=65.9km s-min=23.8km az=172.0.

(424) Sri Lanka

ISC	**IV**	**15 03 17 58.7–.70**	**6.6N–.10**	**82.4E–.10**	**10**	**4.1b**	**35**	**11-87**
IDC	IV	15 03 17 57.5–.75	6.79N	82.61E	0	4.1,4.0		**¶12935323**
NEIC	IV	15 03 17 59.0–.61	6.80N	82.62E	10	4.5b,4.0		

ISC Event type fe.

IDC Error ellipse: s-maj=33.1km s-min=16.1km az=43.0.

NEIC Event type fe. Error ellipse: s-maj=27.6km s-min=13.7km az=223.0. Felt at Badulla, Kandy, Matara and Monaragala.

(238) Ryukyu Islands

ISC	**IV**	**15 07 23 33.8–.35**	**27.00N–.03**	**129.94E–.03**	**14–1**	**5.0b,4.9s**	**523**	**1-173**
NIED	IV	15 07 23 00	27.00N	129.90E	5	5.0W,4.9s		**¶12583414**
BJI	IV	15 07 23 30.5	26.90N	129.85E	7	5.1s,5.0b		
IDC	IV	15 07 23 31.8–.36	27.05N	129.89E	0	4.7,4.6		
DJA	IV	15 07 23 33.9–.60	27N–8.0	130E–9.0	10	5.4b,5.1		
ISCJB	IV	15 07 23 33.9–.13	26.95N–.02	129.85E–.02	23	4.8b,4.8s		
JMA	IV	15 07 23 33.9–.10	27.00N	129.91E	62	5.0,4.8s		
MOS	IV	15 07 23 35.1–1.1	27.00N	129.95E	33	5.1b,4.7s		
NEIC	IV	15 07 23 37.1–.16	26.97N	129.85E	35	5.1b,4.9W		
GCMT	IV	15 07 23 37.2–.30	27.04N	129.81E	12	5.1W,4.9W		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ72.00000°,λ-106.00000°. NP2:ϕ_s37.00000°,δ24.00000°,λ-51.00000°. $M_0$3.20000×10^{16}

IDC Error ellipse: s-maj=13.0km s-min=9.5km az=85.0.

ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.3km az=167.0.

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

MOS Error ellipse: s-maj=8.4km s-min=4.9km az=102.4.

NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.7km az=123.0. Recorded [1 JMA] on Amami-oshima and Kikaiga-shima. Moment Tensor Solution. $M_0$3.20000×10^{16}

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s31,c40; s77,c118; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.83±.15 $M_{\theta\theta}$-0.23±.14; $M_{\phi\phi}$4.06±.12; $M_{r\theta}$0.41±.51; $M_{\theta\phi}$1.90±.11; $M_{\phi r}$2.89±.39; Best double couple: NP1:ϕ_s32.00000°,δ29.00000°,λ-73.00000°. NP2:ϕ_s192.00000°,δ62.00000°,λ-99.00000°. Principal axes: T 5.6400,Plg17.0000° ,Azm289.0000°; N -0.8600,Plg8.0000°,Azm197.0000°; P -4.7900,Plg71.0000°,Azm81.0000° $M_0$5.20000×10^{16}

(656) Southeastern Siberia

ISC	**IV**	**15 08 17 19.3–.68**	**53.76N–.07**	**130.33E–.04**	**9–5**	**3.8b**	**49**	**1-152**
SKHL	IV	15 08 17 18.8–.20	53.82N	130.25E	11–1	3.9s,2.0b		**¶13438591**
IDC	IV	15 08 17 19.0–.81	53.79N	130.27E	0	3.9,3.8		
MOS	IV	15 08 17 19.2–1.1	53.74N	130.36E	18	4.0b,3.8		

ISC Event type ke.

SKHL Event type fe. Felt (II) at Zeya.

IDC Error ellipse: s-maj=20.7km s-min=18.5km az=152.0.

MOS Event type fe. Error ellipse: s-maj=23.6km s-min=13.7km az=107.2. Felt (II) at Zeya. Moment Tensor Solution.

(115) Near coast of Peru

ISC	**IV**	**15 09 41 01.6–.83**	**17.5S–.10**	**72.04W–.09**	**42–5**	**4.5b**	**24**	**1-150**
IDC	IV	15 09 40 59.1–1.0	18.37S	72.14W	43–5	4.4L,4.3		**¶12935304**
NEIC	IV	15 09 41 03.0	17.05S	72.13W	45	4.2,4.3		

ISC Event type ke.

IDC Error ellipse: s-maj=37.4km s-min=14.4km az=170.0.

NEIC Event type fe. Felt [II] at Arequipa and Mollendo. After ARE.

(377) Spain

ISC	**IV**	**15 15 42 24.1–.41**	**38.32N–.01**	**1.15W–.01**	**19–1**	**3.4b**	**339**	**0-66**
CSEM	IV	15 15 42 24.6–.10	38.29N	1.18W	10	4.2L		**¶12742259**
IDC	IV	15 15 42 24.3–1.3	38.20N	1.15W	0	3.6L,3.4		
MDD	IV	15 15 42 25.9–.23	38.24N	1.16W	10–0	3.7,3.4		
CRAAG	IV	15 15 42 25.0	38.25N	1.15W		3.7W,3.4		
SFS	IV	15 15 42 25.0	38.25N	1.14W	5	3.7W,3.4		
LDG	IV	15 15 42 25.3–.08	38.27N	1.14W	2	3.7L,3.4		
IGIL	IV	15 15 42 26.0	38.25N	1.15W	8	3.6L,3.4		
INMG	IV	15 15 42 26.1–1.7	38.27N	1.18W	11–3	3.7L,3.4		
STR	IV	15 15 42 40.2–9.6	39.30N	0.86W	5	3.7L,3.4		

ISC Event type fe.

CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=144.0.

IDC Error ellipse: s-maj=27.2km s-min=16.0km az=27.0.

MDD Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=115.0. EMS: SENTIDO EN LA ZONA EPICENTRAL. PRXIMO.

SFS Event type ke.

LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.2km az=135.0.

INMG Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=123.0.

STR Event type ke.

(274) Southern Sumatera

ISC	**IV**	**15 20 01 35.3–.26**	**3.13S–.03**	**100.46E–.03**	**28–1**	**6.4s,6.0b**	**1979**	**1-177**
BJI	IV	15 20 01 28.4	3.42S	100.44E	8	6.7s,6.6b		**¶13438642**
IDC	IV	15 20 01 30.6–.28	3.17S	100.49E	0	6.3,6.3s		
ISCJB	IV	15 20 01 31.0–.55	3.18S–.02	100.40E–.01	10–3	6.4s,5.9b		
DJA	IV	15 20 01 33.8–.50	3S–1.0	100E–1.0	13–4	6.7,6.6b		
AUST	IV	15 20 01 35.0–.92	3.21S	100.49E	20–0	6.7,6.6b		
MOS	IV	15 20 01 34.9–1.0	3.01S	100.54E	33	6.3s,6.2b		
NEIC	IV	15 20 01 34.7–.12	3.12S	100.47E	22	6.4s,6.2W		
GCMT	IV	15 20 01 37.9–.10	3.40S	100.16E	15	6.3W,6.2W		
SZGRF	IV	15 20 01 38.3	3.28S	100.07E	37	6.3s,5.5b		

ISC Event type fe.

IDC Error ellipse: s-maj=9.9km s-min=5.9km az=43.0.

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=33.5.

AUST Error ellipse: s-maj=0.8km s-min=0.6km az=225.0.

MOS Error ellipse: s-maj=7.3km s-min=3.9km az=119.7.

NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=36.0. Felt at Padang, Sumatra. Also felt at Sekudai, Malaysia and in Singapore. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s94 Moment tensor: Scale 10^{18}Nm; M_{rr}1.08 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$-0.53 $M_{r\theta}$1.41 $M_{\theta\phi}$0.35 $M_{\phi r}$-0.82 Best double couple: NP1:ϕ_s319.00000°,δ16.00000°,λ106.00000°. NP2: ϕ_s123.00000°,δ75.00000°,λ86.00000°. Principal axes: T 2.0200,Plg60.0000°,Azm26.0000° ; N -0.2200,Plg4.0000°,Azm123.0000°; P -1.8000,Plg29.0000°,Azm216.0000° $M_0$1.90000×10^{18}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=180, per= 50. Moment Tensor Solution. s93,c165; s84,c112; Moment tensor: Scale 10^{18}Nm; M_{rr}0.97±.01 $M_{\theta\theta}$-0.51±.01; $M_{\phi\phi}$-0.46±.01; $M_{r\theta}$2.50±.03; $M_{\theta\phi}$0.55±.01; $M_{\phi r}$-1.70±.03; Best double couple: NP1:ϕ_s324.00000°,δ10.00000°,λ109.00000°. NP2:ϕ_s125.00000°,δ81.00000°,λ87.00000°. Principal axes: T 3.1700,Plg54.0000°,Azm31.0000°; N 0.0300,Plg3.0000°,Azm125.0000° ; P -3.2000,Plg36.0000°,Azm217.0000° $M_0$3.20000×10^{18}

SZGRF Southern Sumatera, Indonesia.

(381) Central Italy

ISC	**IV**	**15 22 53 08.6–.54**	**42.54N–.01**	**13.32E–.01**	**6–3**	**3.9b**	**580**	**0-72**
LDG	IV	15 22 53 07.7–.10	42.57N	13.36E	2	3.8L		**¶12597502**
CSEM	IV	15 22 53 07.8–.07	42.52N	13.28E	2	4.3L		
NEIC	IV	15 22 53 07.0	42.51N	13.31E	9	4.1W		
ROM	IV	15 22 53 07.5–.06	42.52N	13.33E	10–0	4.0L		
ISCJB	IV	15 22 53 07.4–.18	42.55N–.01	13.29E–.01	10–1	3.9b		
MOS	IV	15 22 53 08.3–.94	42.64N	13.17E	18	4.0b		
PRU	IV	15 22 53 08.8	42.54N	13.50E	1	4.0b		
IDC	IV	15 22 53 08.5–.97	42.67N	13.15E	0	3.8,3.7		
PDG	IV	15 22 53 08.3–.71	42.55N	13.30E	9–0	3.8L,3.7		
BEO	IV	15 22 53 13.5–.75	42.60N	13.54E	21–18	4.0L,3.7		
STR	IV	15 22 53 44.1–.00	44.70N	11.27E	5	3.8L,3.7		

ISC Event type fe.

LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=43.0.

CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=43.0.

NEIC Event type fe. Felt [III] at Ascoli Piceno, Campli, Chieti, Comunanza, Montorio al Vomano, Narni, Rieti, Spoleto and Teramo; [II] at Albano Laziale, Ancona, Foligno, Francavilla al Mare, Frattocchie, Guidonia Montecelio, Macerata, Monterotondo, Pescara, Pratola Peligna, Rocca di Papa, Rome, San Benedetto del Tronto, Sulmona and Terni. Felt in Abruzzo, Lazio, Marche and Umbria. After ROM. Moment Tensor Solution. $M_0$2.00000×10^{15}

ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=40.0.

ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=37.3.

MOS Error ellipse: s-maj=8.1km s-min=4.4km az=79.5.

IDC Error ellipse: s-maj=20.0km s-min=11.9km az=99.0.

PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.

BEO Event type ke.

STR Event type ke.

(116) Central Peru

ISC	**IV**	**15 23 26 31.6–.36**	**10.35S–.05**	**75.51W–.07**	**25**	**4.3b,4.1s**	**92**	**2-170**
IDC	IV	15 23 26 28.1–.60	10.30S	75.43W	0	4.2,4.1		**¶12597506**
ISCJB	IV	15 23 26 30.3–.34	10.33S–.04	75.47W–.05	25	4.3s,4.2b		
NEIC	IV	15 23 26 31.9–1.7	10.34S	75.49W	24–12	4.7b,4.2b		

ISC Event type fe.

IDC Error ellipse: s-maj=15.3km s-min=13.0km az=69.0.

ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.6km az=152.0.

NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=5.7km az=58.0. Felt at Ambo, Cerro de Pasco, Huanuco, Oxapampa and San Ramon.

(19) Southeastern Alaska

ISC	**IV**	**16 05 06 04.5–.35**	**58.74N–.03**	**137.66W–.03**	**17–1**	**4.7b,4.0s**	**683**	**1-156**
BJI	IV	16 05 05 58.8	58.70N	137.60W	10	5.0b,5.0b		**¶12597513**
ISCJB	IV	16 05 06 00.9–.65	58.84N–.02	137.70W–.03	2–4	4.6b,4.2s		
IDC	IV	16 05 06 02.2–.40	58.83N	137.72W	0	4.5,4.5		
NEIC	IV	16 05 06 04.3–.97	58.85N	137.68W	12–6	4.8L,4.7b		
PGC	IV	16 05 06 05.9–1.7	58.87N	137.37W	5	4.9L,4.5W		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=1.7km az=39.2.

IDC Error ellipse: s-maj=10.5km s-min=6.1km az=39.0.

NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=1.9km az=221.0. Felt [II] at Gustavus, Haines, Juneau and Skagway. Also felt at Auke Bay and Elfin Cove. Felt at Whitehorse, Yukon Territory, Canada. Moment Tensor Solution. $M_0$6.40000×10^{15} Moment Tensor Solution. $M_0$8.00000×10^{15}

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 125km west of Haines, Ak Southeastern Alaska.

(227) Eastern Honshu

ISC	**IV**	**16 07 19 14.0–.84**	**36.05N–.04**	**139.88E–.05**	**50–7**	**3.9b**	**38**	**0-77**
NIED	IV	16 07 19 00	36.10N	139.90E	53	4.1W		**¶12935377**
ISCJB	IV	16 07 19 13.0–.46	36.05N–.03	139.89E–.05	58–3	3.9b,3.2s		
JMA	IV	16 07 19 14.0–.10	36.07N	139.88E	48–1	3.8,3.2s		
IDC	IV	16 07 19 15.1–1.4	35.95N	139.76E	62–13	3.8,3.7		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s46.00000°,δ73.00000°,λ78.00000°. NP2:ϕ_s261.00000°,δ21.00000°,λ123.00000°. $M_0$1.61000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=5.5km az=10.1.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s45.00000°,δ76.00000°,λ80.00000°. NP2:ϕ_s260.00000°,δ17.00000°,λ124.00000°. Principal axes: T Plg58.0000°,Azm302.0000°; N Plg9.0000°,Azm47.0000°; P Plg30.0000° ,Azm143.0000°

IDC Error ellipse: s-maj=18.4km s-min=7.3km az=62.0.

(543) Germany

BGR	**IV**	**16 17 06 53.2–.36**	**51.49N**	**6.58E**	**1**	**2.2L**		
BUG	IV	16 17 06 51.6	51.54N	6.56E	1	1.9L		**¶13917765**
CSEM	IV	16 17 06 52.5–.25	51.49N	6.62E	2	2.0L		
BNS	IV	16 17 06 52.1–1.3	51.52N	6.57E	1–23	2.0L		

BGR Event type ki. Error ellipse: s-maj=5.6km s-min=3.3km az=120.0.

BNS Event type fi. Felt in Kamp-Lintfort.

CSEM Event type ki. Error ellipse: s-maj=5.9km s-min=3.8km az=115.0.

BNS Event type ki.

(123) Northern Chile

ISC	**IV**	**16 17 43 31.5–.32**	**19.37S–.03**	**69.82W–.06**	**67–2**	**4.8b**	**637**	**0-172**
ISCJB	IV	16 17 43 30.3–.32	19.28S–.03	69.75W–.05	69–3	4.7b		**¶12601065**
GUC	IV	16 17 43 31.4–.41	19.41S	69.94W	70–1	5.6L		
NEIC	IV	16 17 43 31.5–.15	19.37S	69.74W	68	4.9b		
IDC	IV	16 17 43 32.0–.43	19.25S	69.69W	70–3	4.6s,4.6		
BJI	IV	16 17 43 33.6	19.30S	69.60W	66	5.4s,5.3b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=3.9km az=152.4.

GUC Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.5km az=69.0. Felt [IV] at Arica, Camina, Codpa, Cuya, Huara, Iquique and Pozo Almonte; [III] at Pisagua. Felt [III] at Tacna, Peru.

IDC Error ellipse: s-maj=14.9km s-min=10.7km az=41.0.

(381) Central Italy

ISC	**IV**	**16 17 49 31.2–.69**	**42.55N–.01**	**13.29E–.01**	**10–4**	**3.9b**	**573**	**0-75**
ISCJB	IV	16 17 49 29.9–.18	42.57N–.01	13.27E–.01	13–1	3.9b		**¶12601066**
BEO	IV	16 17 49 29.8–.99	42.32N	13.25E	0	4.1L		
IDC	IV	16 17 49 29.3–1.2	42.60N	13.49E	0	3.8,3.7		
MOS	IV	16 17 49 29.3–1.2	42.61N	13.27E	10	4.0b,3.7		
NEIC	IV	16 17 49 30.0	42.54N	13.29E	11	3.8L,3.6b		
CSEM	IV	16 17 49 30.6–.08	42.58N	13.27E	2	4.4L,4.1b		
ROM	IV	16 17 49 30.1–.05	42.54N	13.29E	12–0	4.1L,4.1b		
LDG	IV	16 17 49 30.2–.10	42.59N	13.38E	2	3.7L,4.1b		
PRU	IV	16 17 49 31.1	42.59N	13.47E	0	3.6,4.1b		
PDG	IV	16 17 49 31.0–.32	42.54N	13.35E	12–0	3.9L,4.1b		
STR	IV	16 17 49 42.6–1.1	43.08N	12.39E	10	3.7L,4.1b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=31.0.

BEO Event type ke.

IDC Error ellipse: s-maj=21.5km s-min=13.7km az=85.0.

MOS Error ellipse: s-maj=7.3km s-min=4.5km az=89.2.

NEIC Event type fe. Felt [III] at Ascoli Piceno, Avezzano, Folignano, Montorio al Vomano, Palestrina, Rieti, Spinetoli, Teramo and Tortoreto; [II] at Ancona, Chieti, Foligno, Guidonia Montecelio, Macerata, Monterotondo, Montesilvano, Perugia, Pescara, Rocca di Papa, Rome, Spoleto, Sulmona, Terni and Tivoli. Felt in Abruzzo, Lazio, Marche and Umbria. After ROM.

CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=31.0.

ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=57.0.

LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=41.0.

PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.6km az=0.0.

STR Event type ke.

(43) Southern California

ISC	**IV**	**16 17 55 30.6–.99**	**33.25N–.02**	**116.42W–.02**	**8–9**		**62**	**0-15**
ISCJB	IV	16 17 55 30.2–.38	33.25N–.02	116.43W–.02	7–3			**¶12601067**
NEIC	IV	16 17 55 31.1	33.25N	116.44W	4	3.9L		
ECX	IV	16 17 55 31.5–.69	33.25N	116.44W	4	4.0W,4.0L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=151.9.

NEIC Event type fe. Felt [IV] at Borrego Springs, [III] at Ranchita and San Diego and [II] at Escondido, Julian, Ramona and Temecula. Also felt at Aguanga, Anaheim, Buena Park, Coronado, Fallbrook, Hemet, Huntington Beach, Indio, La Jolla, Long Beach, Los Alamitos, Orange, Pine Valley, Riverside, San Marcos, Santa Ana, Valley Center, Warner Springs and Winchester. After PAS.

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

(43) Southern California

ISC	**IV**	**16 18 16 11.9–1.1**	**33.25N–.02**	**116.44W–.04**	**3–11**		**29**	**0-3**
ISCJB	IV	16 18 16 11.3–.52	33.25N–.03	116.43W–.05	5–4			**¶14413613**
NEIC	IV	16 18 16 12.1	33.25N	116.45W	3	2.8L		
ECX	IV	16 18 16 12.2–.68	33.27N	116.42W	4	2.9L,2.8		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.5km az=158.3.

NEIC Event type fe. Felt at Borrego Springs and Ranchita. After PAS.

ECX Error ellipse: s-maj=1.4km s-min=2.8km az=-1.0.

(4) Komandorsky Islands region

ISC	**IV**	**16 19 15 38.3–.35**	**54.99N–.03**	**165.72E–.03**	**23–1**	**5.0b,4.7s**	**951**	**0-145**
BJI	IV	16 19 15 33.3	55.10N	166.34E	23	5.1b,5.0s		**¶13438700**
IDC	IV	16 19 15 34.4–.45	55.03N	165.74E	0	4.9,4.8		
ISCJB	IV	16 19 15 36.5–.51	54.95N–.02	165.71E–.02	25–3	4.9b,4.7s		
MOS	IV	16 19 15 36.4–.93	54.95N	165.73E	25	5.1b,4.6s		

KRSC IV 16 19 15 36.9–.40 54.95N 165.64E 29–28 5.4L,4.6s
NEIC IV 16 19 15 39.9–.15 55.04N 165.70E 35 5.0b,4.6s
ISC Event type fe.
IDC Error ellipse: s-maj=14.3km s-min=9.6km az=152.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=1.6km az=175.6.
MOS Event type fe. Error ellipse: s-maj=6.6km s-min=4.7km az=86.6. Felt (III-IV) at Nikol'skoye. Moment Tensor Solution.
KRSC Event type se.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=2.5km az=173.0. Felt [IV] at Nikol'skoye.

(709) Southeastern Afghanistan

ISC	**IV**	**16 21 27 53.1–.37**	**34.19N–.03**	**70.08E–.02**	**16–2**	**5.4b,4.9s**	**1220**	**1-148**
BGS	IV	16 21 27 22.5–2.0	30.99N	73.02E	10	5.2b,5.1s		**¶13438707**
BJI	IV	16 21 27 49.6	34.34N	69.97E	5	5.3L,5.3b		
NNC	IV	16 21 27 50.3–3.3	34.16N	69.81E	0	5.9,5.4b		
ISCJB	IV	16 21 27 50.1–.61	34.17N–.02	70.08E–.01	8–3	5.3b,4.8s		
IDC	IV	16 21 27 50.5–.34	34.22N	70.11E	0	5.2,5.2		
NEIC	IV	16 21 27 51.3–1.3	34.19N	70.08E	6–7	5.4b,5.2		
SZGRF	IV	16 21 27 51.2	34.08N	70.30E	10	5.7b,4.7s		
GCMT	IV	16 21 27 52.9–.20	34.14N	70.11E	12–0	5.2W,4.7s		
DJA	IV	16 21 27 53.4–.40	34N–7.0	70E–5.0	10	5.6b,5.2b		
MOS	IV	16 21 27 54.5–.93	34.23N	70.11E	40	5.6b,4.8s		

ISC Event type de.
BGS Error ellipse: s-maj=737.4km s-min=758.3km az=-1.0.
NNC Error ellipse: s-maj=36.4km s-min=32.1km az=150.0.
ISCJB Event type de. Error ellipse: s-maj=3.0km s-min=2.0km az=16.0.
IDC Error ellipse: s-maj=9.6km s-min=7.8km az=37.0.
NEIC Event type de. Error ellipse: s-maj=4.5km s-min=3.0km az=196.0. At least 19 people killed, 51 injured, more than 200 homes destroyed and some livestock killed in Nangarhar. Felt [V] at Jalalabad and [III] at Kabul. Also felt at Fayzabad, Nurestan, Qarah Bagh, Panjab and Zarghun Shahr. Felt at Bhakkar, Chitral, Islamabad and Rawalpindi, Pakistan.
SZGRF Southeastern Afghanistan.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s42,c65; s81,c148; Moment tensor: Scale 10^{16}Nm; M_{rr}5.50±.24 $M_{\theta\theta}$-3.72±.18; $M_{\phi\phi}$-1.78±.17; $M_{r\theta}$3.50±.54; $M_{\theta\phi}$-4.18±.14; $M_{\phi r}$1.36±.52; Best double couple: NP1:ϕ_s218.00000°,δ31.00000°,λ69.00000°. NP2:ϕ_s63.00000°,δ61.00000°,λ103.00000°. Principal axes: T 6.6800,Plg71.0000° ,Azm1.0000°; N 1.3200,Plg11.0000°,Azm236.0000°; P -8.0000,Plg15.0000°,Azm143.0000° M_o7.30000×10^{16}
MOS Error ellipse: s-maj=5.3km s-min=2.9km az=126.9.

(709) Southeastern Afghanistan

ISC	**IV**	**16 23 42 54.2–.39**	**34.14N–.03**	**70.03E–.02**	**16–2**	**5.0b,4.2s**	**659**	**1-148**
ISCJB	IV	16 23 42 50.0–.75	34.10N–.02	70.11E–.02	1–4	4.9b,4.2s		**¶13438712**
IDC	IV	16 23 42 51.4–.40	34.17N	70.07E	0	4.9,4.9		
BJI	IV	16 23 42 51.2	34.40N	69.93E	5	4.9L,4.9b		
NEIC	IV	16 23 42 51.9–1.4	34.11N	70.06E	4–8	5.1b,4.9b		
DJA	IV	16 23 42 54.3–.40	34N–11	70E–5.0	10	5.3b,4.8		
MOS	IV	16 23 42 54.9–1.1	34.15N	70.11E	33	5.2b,4.2s		
NNC	IV	16 23 42 56.8–2.9	34.10N	69.90E	51–26	5.2,4.7b		
SZGRF	IV	16 23 42 57.0	34.70N	70.11E	33	5.1b,3.9s		

ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=3.4km s-min=2.3km az=19.1.
IDC Error ellipse: s-maj=12.1km s-min=9.9km az=177.0.
NEIC Event type de. Error ellipse: s-maj=5.3km s-min=3.8km az=189.0. Casualties and damage are included with the event at 21:27 UTC. Felt [V] at Jalalabad. Also felt at Kabul and Mazar-e Sharif. Felt at Islamabad and Kohat, Pakistan.
MOS Error ellipse: s-maj=5.7km s-min=3.5km az=125.0.
NNC Error ellipse: s-maj=27.3km s-min=20.9km az=60.0.
SZGRF Southeastern Afghanistan.

(135) Near coast of central Chile

ISC	**IV**	**17 01 11 36.0–1.2**	**29.88S–.03**	**71.3W–.10**	**73–10**		**42**	**1-153**
IDC	IV	17 01 11 25.5–2.1	30.48S	71.11W	0	4.1L,3.9		**¶12935507**
ISCJB	IV	17 01 11 34.6–.82	29.87S–.03	71.3W–.20	84–6	3.9b,3.9		
GUC	IV	17 01 11 35.3–.56	29.86S	71.39W	58–17	4.0L,4.0		
NEIC	IV	17 01 11 35.3	29.86S	71.39W	58	4.2b,4.0		

ISC Event type ke.
IDC Error ellipse: s-maj=73.5km s-min=59.4km az=168.0.
ISCJB Event type fe. Error ellipse: s-maj=24.7km s-min=4.8km az=4.7.
GUC Error ellipse: s-maj=1.4km s-min=10.0km az=-1.0.
NEIC Event type fe. Felt [IV] at Coquimbo. After GUC.

(122) Near coast of northern Chile

ISC	**IV**	**17 02 08 09.2–.50**	**19.58S–.02**	**70.50W–.03**	**29–3**	**5.9s,5.8b**	**1687**	**0-179**
IDC	IV	17 02 08 04.8–.33	19.57S	70.49W	0	5.8,5.8s		**¶14413616**
ISCJB	IV	17 02 08 07.3–.69	19.45S–.02	70.50W–.02	22–4	5.8s,5.7b		
GUC	IV	17 02 08 08.4–.47	19.68S	70.68W	36–2	6.0L,5.7b		
NEIC	IV	17 02 08 08.7–.11	19.58S	70.48W	25	6.1W,6.0W		
LDG	IV	17 02 08 08.5–.51	18.96S	70.00W	10	5.9s,5.7b		
BJI	IV	17 02 08 08.2	19.41S	71.29W	25	6.2s,6.1		
MOS	IV	17 02 08 10.0–.94	19.25S	70.52W	33	6.0b,5.8s		
DJA	IV	17 02 08 10.8–2.2	20S–40	70W–36	10	6.5b,6.2		
BGS	IV	17 02 08 11.5–3.3	19.22S	69.89W	33	5.9s,5.4b		
GCMT	IV	17 02 08 15.0–.10	19.72S	71.10W	32	6.1W,5.4b		
SZGRF	IV	17 02 08 26.5	19.07S	65.27W	33	5.9s,5.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=14.8km s-min=10.5km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.7km az=43.0.
GUC Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.6km az=54.0. Felt [V] at Alto Hospicio, Cuya, Huara and Pisagua; [IV] at Arica, Camina, Pica, Pozo Almonte and Putre; [III] at Iquique. Also felt at Tocopilla. Felt [II] at Arequipa, Moquegua and Tacna, Peru. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s165.00000° ,δ70.00000°,λ90.00000°. NP2:ϕ_s345.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm75.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm255.0000° Moment Tensor Solution. s122 Moment tensor: Scale 10^{18}Nm; M_{rr}1.04 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-1.16 $M_{r\theta}$0.26 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s357.00000°,δ28.00000°,λ102.00000°. NP2:ϕ_s164.00000°,δ63.00000°,λ84.00000°. Principal axes: T 1.2900,Plg71.0000° ,Azm59.0000°; N 0.1600,Plg5.0000°,Azm166.0000°; P -1.4400,Plg17.0000°,Azm258.0000° M_o1.40000×10^{18} Moment Tensor Solution. M_o2.40000×10^{18}
LDG Event type ke. Error ellipse: s-maj=31.5km s-min=9.8km az=51.0.
MOS Error ellipse: s-maj=7.8km s-min=5.1km az=85.6.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=232, per= 50. Moment Tensor Solution. s103,c236; s82,c116; Moment tensor: Scale 10^{18}Nm; M_{rr}1.09±.01 $M_{\theta\theta}$0.10±.01; $M_{\phi\phi}$-1.20±.01; $M_{r\theta}$0.39±.01; $M_{\theta\phi}$0.31±.01; $M_{\phi r}$-1.03±.02; Best double couple: NP1:ϕ_s355.00000°,δ24.00000°,λ102.00000°. NP2:ϕ_s161.00000°,δ67.00000°,λ85.00000°. Principal axes: T 1.5300,Plg68.0000°,Azm61.0000°; N 0.1600,Plg5.0000°,Azm164.0000° ; P -1.7000,Plg21.0000°,Azm256.0000° M_o1.60000×10^{18}
SZGRF Southern Bolivia.

(136) Central Chile

ISC	**IV**	**17 03 34 19.3–.60**	**29.04S–.03**	**70.5W–.10**	**106–5**	**4.0b**	**44**	**0-152**
ISCJB	IV	17 03 34 18.0–.41	29.06S–.03	70.51W–.10	109–4	4.0b		**¶12935516**
GUC	IV	17 03 34 19.0–.73	29.04S	70.58W	102–6	4.9L		
NEIC	IV	17 03 34 19.0	29.04S	70.58W	102	4.5b		
IDC	IV	17 03 34 20.3–.78	29.06S	70.35W	106–5	3.8,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.1km s-min=4.9km az=2.2.
GUC Error ellipse: s-maj=4.6km s-min=38.2km az=-1.0.
NEIC Event type fe. Felt [III] at Chanaral, Copiapo, Coquimbo, Tierra Amarilla and Vallenar; [II] at Diego de Almagro and La Serena. After GUC.
IDC Error ellipse: s-maj=23.9km s-min=11.7km az=71.0.

(43) Southern California

NEIC	**IV**	**17 04 57 01.5**	**33.20N**	**115.64W**	**5**	**3.8L**	**¶14413619**

NEIC Event type fe. Felt in the Obsidian Butte area. After PAS.

(327) Lake Baykal region

ISC	**IV**	**17 11 43 13.5–1.1**	**53.35N–.02**	**107.45E–.02**	**2–9**	**3.4b**	**102**	**0-80**
IDC	IV	17 11 43 12.7–1.2	53.43N	107.47E	0	3.6L,3.6		**¶12935460**
MOS	IV	17 11 43 13.9–1.6	53.38N	107.39E	12	4.5b,3.6		
BYKL	IV	17 11 43 16.0–.22	53.34N	107.34E	18–3	4.5b,3.6		

ISC Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=20.3km az=79.0.
MOS Event type fe. Error ellipse: s-maj=13.5km s-min=8.2km az=70.3. Felt (II-III) at Khuzhir, Onguryeny, Elantsy, Tyrgan. Moment Tensor Solution.
BYKL Event type se. FELT I=IV MSK at Khujir; III at Onguren and II-III at Yelantsy,Tyrgan.

(244) Taiwan

ISC	**IV**	**17 12 37 48.7–.32**	**23.93N–.02**	**121.75E–.02**	**40–2**	**4.7b,4.0s**	**457**	**0-99**
NIED	IV	17 12 37 00	24.10N	121.70E	41	4.8W,4.0s		**¶12608097**
BJI	IV	17 12 37 44.7	24.05N	121.58E	4	4.8b,4.6L		
MOS	IV	17 12 37 45.5–1.2	23.94N	121.75E	33	5.0b,4.1s		
ISCJB	IV	17 12 37 48.4–.14	23.92N–.01	121.75E–.01	56–1	4.7b,4.0s		
NEIC	IV	17 12 37 48.8–.49	23.87N	121.70E	45–4	4.8b,4.0s		
TAP	IV	17 12 37 48.9	23.92N	121.68E	43–0	5.3L,4.0s		
JMA	IV	17 12 37 49.4–.20	24.10N	121.72E	78–4	5.0,4.0s		
IDC	IV	17 12 37 50.4–2.0	23.88N	121.75E	64–18	4.3,4.3		
DJA	IV	17 12 37 50.7–.70	24N–7.0	122E–12	51–9	5.0b,5.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ74.00000°,λ73.00000°. NP2:ϕ_s261.00000°,δ24.00000°,λ135.00000°. M_o1.95000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at T'ai-chung and Taipei. Also felt at Chang-hua, Chu-pei, Hsin-chuang, Hsin-chu, Hua-lien, I-lan, Miao-li, T'ao-yuan and Yung-ho. Recorded [4 TAP] in Hua-lien; [3 TAP] in I-lan; [2 TAP] in Miao-li, Nan-t'ou, T'ai-chung, T'ai-pei and T'ao-yuan; [1 TAP] in Chia-i, Hsin-chu, P'eng-hu, T'ai-nan and T'ai-tung. Recorded [1 JMA] on Iriomote-jima, Ryukyu Islands.
TAP B.
JMA Event type fe.

(256) Leyte

MAN	**IV**	**17 13 45 48**	**10.05N**	**125.00E**	**12**	**4.4b,3.2L**	**¶14717384**

MAN Event type fe. INTENSITY III - LIMASAWA ISLAND SOUTHERN LEYTE.

(221) Kuril Islands

ISC	**IV**	**17 14 51 59.3–.26**	**46.20N–.03**	**151.80E–.03**	**54–1**	**5.5b,5.0s**	**1839**	**3-154**
NIED	IV	17 14 51 00	46.10N	152.10E	44	5.5W,5.0s		**¶14413620**
BJI	IV	17 14 51 53.5	46.36N	152.22E	45	5.6b,5.4b		
DJA	IV	17 14 51 54.3–.80	46N–8.0	152E–14	10	6.6,5.8b		
JMA	IV	17 14 51 55.8–.60	46.10N	152.11E	30	5.7,5.8b		
SKHL	IV	17 14 51 56.6–.70	46.03N	152.25E	66–13	6.2b,6.0s		
MOS	IV	17 14 51 56.5–1.1	46.16N	151.72E	45	5.8b,5.2s		
TEH	IV	17 14 51 56.9	46.29N	151.68E	40	5.6L,5.2s		
ISCJB	IV	17 14 51 57.2–.36	46.20N–.02	151.70E–.02	45–3	5.5b,5.1s		
NEIC	IV	17 14 51 58.7–.12	46.17N	151.70E	49	5.7W,5.5b		
IDC	IV	17 14 51 59.2–1.6	46.25N	151.61E	49–14	5.1,5.1		
GCMT	IV	17 14 52 01.9–.10	46.06N	151.97E	50–0	5.6W,5.1		
BGS	IV	17 14 52 01.9–1.7	46.73N	152.11E	50–999	5.6b,4.9s		
SZGRF	IV	17 14 52 07.6	47.72N	151.20E	33	5.6b,5.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s1.00000°,δ62.00000°,λ62.00000°. NP2: ϕ_s230.00000°,δ39.00000°,λ132.00000°. M_o2.00000×10^{17}
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
MOS Error ellipse: s-maj=5.7km s-min=3.8km az=95.5.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.8km az=166.8.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=154.0. Recorded [1 JMA] in eastern Hokkaido. Moment Tensor Solution. s80 Moment tensor: Scale 10^{17}Nm; M_{rr}1.79 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-1.06 $M_{r\theta}$0.76 $M_{\theta\phi}$-0.88 $M_{\phi r}$0.78 Best double couple: NP1:ϕ_s42.00000° ,δ61.00000°,λ92.00000°. NP2:ϕ_s217.00000°,δ29.00000°,λ86.00000°. Principal axes: T 2.1000,Plg74.0000°,Azm318.0000°; N -0.0100,Plg2.0000°,Azm220.0000° ; P -2.0900,Plg15.0000°,Azm130.0000° M_o2.10000×10^{17}
IDC Error ellipse: s-maj=10.6km s-min=7.7km az=138.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=225, per= 50. Moment Tensor Solution. s99,c196; s33,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}2.97±.05 $M_{\theta\theta}$-1.43±.03; $M_{\phi\phi}$-1.54±.04; $M_{r\theta}$0.59±.03; $M_{\theta\phi}$-1.60±.02; $M_{\phi r}$1.17±.03; Best double couple: NP1:ϕ_s231.00000°,δ34.00000°,λ102.00000°. NP2:ϕ_s37.00000°,δ57.00000°,λ82.00000°. Principal axes: T 3.2600,Plg77.0000°,Azm282.0000°; N 0.0700,Plg7.0000°,Azm41.0000° ; P -3.3400,Plg11.0000°,Azm133.0000° M_o3.30000×10^{17}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Kuril Islands, Russia.

(36) Northern California

ISC	**IV**	**17 15 09 38.9–1.3**	**38.78N–.03**	**122.87W–.05**	**1–12**		**35**	**0-18**
ISCJB	IV	17 15 09 38.1–.70	38.80N–.03	122.82W–.08	2–9			**¶12935432**
NEIC	IV	17 15 09 39.6	38.82N	122.80W	3	3.7W		
IDC	IV	17 15 09 39.0–2.3	38.67N	122.93W	0	3.8,3.4L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=3.5km az=160.1.
NEIC Event type fe. Felt at Calistoga, Cloverdale, Cobb, Geyserville, Healdsburg, Middletown and Novato. After NCEDC. Moment Tensor Solution. M_o3.90000×10^{14}
IDC Error ellipse: s-maj=23.9km s-min=11.2km az=51.0.

(246) Southwestern Ryukyu Islands

JMA	**IV**	**17 16 14 57.1–.10**	**24.11N**	**123.57E**	**21–1**	**3.9**	**¶14468972**

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

(259) Mindanao

MAN	**IV**	**17 16 51 35**	**9.84N**	**125.03E**	**6**	**4.4b,3.2L**	**¶14717385**

MAN Event type fe. INTENSITY III - LIMASAWA ISLAND SOUTHERN LEYTE.

(135) Near coast of central Chile

ISC	**IV**	**17 18 17 53.6–2.6**	**30.72S–.04**	**71.6W–.20**	**24–17**		**32**	**1-11**
GUC	IV	17 18 17 53.9–.84	30.73S	71.42W	43–3	4.0L		**¶14413625**
NEIC	IV	17 18 17 53.0	30.73S	71.42W	43	4.0		

ISC Event type fe.
GUC Error ellipse: s-maj=1.7km s-min=8.9km az=-1.0.
NEIC Event type fe. Felt [II] at Ovalle. After GUC.

(256) Leyte

ISC	**IV**	**17 20 11 27.3–1.2**	**10.29N–.05**	**125.90E–.09**	**51**	**3.6b**	**19**	**1-52**
IDC	IV	17 20 11 20.7–3.3	10.11N	125.74E	0	3.5,3.4		**¶12935406**
ISCJB	IV	17 20 11 26.3–.85	10.29N–.04	125.94E–.07	51	4.3b,3.4		
MAN	IV	17 20 11 27	10.27N	125.80E	23	4.9b,3.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=269.7km s-min=27.4km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=6.3km az=170.6.
MAN Event type fe. INTENSITY II - LIBJO DINAGAT PROVINCE.

(294) Myanmar-India border region

ISC	**IV**	**17 21 14 24.3–.43**	**25.31N–.04**	**95.03E–.03**	**94–3**	**4.5b**	**468**	**1-154**
MOS	IV	17 21 14 15.5–.87	25.33N	95.25E	33	4.8b		**¶13438787**
LDG	IV	17 21 14 15.4–.33	25.06N	94.87E	33	4.5b,3.6s		
BJI	IV	17 21 14 21.2	25.34N	95.02E	89	4.8b,4.8b		
ISCJB	IV	17 21 14 21.6–.47	25.41N–.03	94.98E–.02	77–4	4.5b,4.8b		
IDC	IV	17 21 14 23.9–2.0	25.42N	95.23E	88–17	4.2,4.2		
NEIC	IV	17 21 14 25.5–.66	25.32N	95.10E	105–6	4.6b,4.2		
DJA	IV	17 21 14 31.7–1.0	25N–9.0	95E–11	150–12	5.5b,5.0		

ISC Event type fe.
LDG Event type ke.
ISCJB Event type fe.
NEIC Event type fe. Felt at Jorhat, India.

(381) Central Italy

ISC	**IV**	**18 09 05 57.7–.61**	**42.45N–.01**	**13.36E–.01**	**12–3**	**4.0b**	**578**	**0-96**
SZGRF	IV	18 09 05 55.3	42.13N	13.56E	10	4.1b		**¶12609853**
ISCJB	IV	18 09 05 56.0–.18	42.44N–.01	13.34E–.01	13–1	3.9b,3.4s		
IDC	IV	18 09 05 56.0–.99	42.54N	13.22E	0	3.8,3.8L		
LDG	IV	18 09 05 56.1–.10	42.50N	13.40E	2	3.7L,3.8L		
PDG	IV	18 09 05 56.7–.69	42.47N	13.37E	10–0	3.8L,3.8L		
CSEM	IV	18 09 05 56.6–.08	42.46N	13.34E	2	4.5L,4.1b		
MOS	IV	18 09 05 56.1–1.3	42.54N	13.38E	13	4.1b,4.1b		
NEIC	IV	18 09 05 56.0	42.44N	13.36E	15	3.8b,3.8L		
ROM	IV	18 09 05 56.2–.04	42.44N	13.36E	14–1	4.0L,3.8L		
PRU	IV	18 09 05 57.2	42.51N	13.45E	1	3.8,3.8L		
THE	IV	18 09 06 00.5	42.50N	13.76E	2–11	4.0L,3.8L		
STR	IV	18 09 06 07.0–.98	42.97N	12.79E	10	3.7L,3.8L		
BEO	IV	18 09 06 15.5–.74	43.01N	15.10E	0	3.6L,3.8L		

ISC Event type fe.
SZGRF Central Italy.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=36.0.
IDC Error ellipse: s-maj=16.6km s-min=13.6km az=90.0.

LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=44.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=30.0.
MOS Error ellipse: s-maj=9.2km s-min=5.1km az=83.6.
NEIC Event type fe. Felt [IV] at L'Aquila; [III] at Ascoli Piceno, Castellalto, Montorio al Vomano, San Benedetto del Tronto and Teramo; [II] at Avezzano, Cassino, Chieti, Foligno, Frattocchie, Jesi, Latina, Pescara, Rieti, Rome, Sulmona and Terni. Felt in Abruzzo, Lazio, Marche and Umbria. After ROM.
ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=58.0.
THE Event type ke. Error ellipse: s-maj=15.1km s-min=1.9km az=278.0.
STR Event type ke.
BEO Event type ke.

(123) Northern Chile

ISC	IV	18 15 29 19.9–.28	23.29S–.04	68.42W–.04	116–2	4.8b	856	0-175
ISCJB	IV	18 15 29 17.4–.43	23.29S–.03	68.32W–.04	105–3	4.8b	¶12610218	
NEIC	IV	18 15 29 19.8–.22	23.29S	68.30W	116	4.9b		
GUC	IV	18 15 29 20.0–.54	23.27S	68.56W	107–4	5.5L		
IDC	IV	18 15 29 20.5–.35	23.15S	68.23W	116–2	4.6,4.5		
GCMT	IV	18 15 29 25.8–.30	23.34S	68.55W	146–2	5.1W,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.7km az=149.7.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.6km az=58.0. Felt [IV] at Peine; [III] at Calama, Mejillones, San Pedro de Atacama and Sierra Gorda; [II] at Tocopilla.
GUC Error ellipse: s-maj=2.5km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=10.2km s-min=9.0km az=57.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s41,c49; s70,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.40±.17 $M_{\theta\theta}$0.07±.23; $M_{\phi\phi}$3.33±.23; $M_{r\theta}$2.43±.14; $M_{\theta\phi}$-5.40±.18; $M_{\phi r}$-0.40±.18; Best double couple: NP1:ϕ_s182.00000°,δ54.00000°,λ-27.00000°. NP2:ϕ_s288.00000°,δ69.00000°,λ-141.00000°. Principal axes: T 7.6300,Plg9.0000° ,Azm52.0000°; N -2.1200,Plg46.0000°,Azm312.0000°; P -5.5100,Plg42.0000° ,Azm151.0000° $M_0$6.60000×10^{16}

(222) East of Kuril Islands

ISC	IV	18 19 18 01.1–.36	46.05N–.03	151.40E–.02	51–2	6.4s,6.2b	2526	3-160
NIED	IV	18 19 17 00	46.00N	152.10E	47	6.5W,6.2b	¶13438849	
KRSC	IV	18 19 17 52.0–.30	45.17N	152.37E	53–25	6.6L,6.2b		
SKHL	IV	18 19 17 54.8–1.8	45.68N	152.31E	70–9	7.1b,7.0s		
JMA	IV	18 19 17 55.5–.60	45.99N	152.07E	30	6.5,7.0s		
ISCJB	IV	18 19 17 57.6–.26	46.01N–.01	151.50E–.01	34–2	6.4s,6.2b		
NEIC	IV	18 19 17 58.9–.09	46.02N	151.43E	35	6.7W,6.6W		
MOS	IV	18 19 17 59.2–1.1	46.04N	151.44E	54	6.6s,6.5b		
BGS	IV	18 19 18 00.0–1.3	46.36N	152.05E	33	6.4b,6.2s		
IDC	IV	18 19 18 00.1–1.5	46.04N	151.46E	42–13	6.4,6.4s		
BJI	IV	18 19 18 00.0	46.15N	151.47E	62	6.7b,6.6s		
DJA	IV	18 19 18 02.3–1.3	46N–13	150E–19	10	6.8b,6.7		
SZGRF	IV	18 19 18 04.4	46.71N	151.27E	33	6.7b,6.7s		
GCMT	IV	18 19 18 06.0–.10	45.96N	151.74E	50–0	6.6W,6.7s		
NEIC	IV	18 19 18 16.0–.00	45.90N	151.27E	47	6.6W,6.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s339.00000°,δ75.00000°,λ48.00000°. NP2:ϕ_s232.00000°,δ44.00000°,λ158.00000°. $M_0$5.90000×10^{18}
KRSC Event type se.
SKHL Event type fe. Felt (II) at Yushno-Kurilsk.
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.4km az=153.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=155.0. Felt [II] at Yuzhno-Kuril'sk. Recorded [3 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Complex earthquake observed on broadband displacement seismograms. A small event is followed by a much larger event about 1.5 seconds later. Depth from synthetics of broadband displacement seismograms based on the larger event. Energy computed from CMT mechanism. Moment Tensor Solution. s130 Moment tensor: Scale 10^{18}Nm; M_{rr}5.05 $M_{\theta\theta}$-1.00 $M_{\phi\phi}$-4.05 $M_{r\theta}$1.63 $M_{\theta\phi}$-1.87 $M_{\phi r}$2.71 Best double couple: NP1: ϕ_s28.00000°,δ61.00000°,λ93.00000°. NP2:ϕ_s203.00000°,δ29.00000°,λ85.00000°. Principal axes: T 5.9700,Plg73.0000°,Azm305.0000°; N -0.1200,Plg2.0000°,Azm206.0000° ; P -5.8500,Plg16.0000°,Azm116.0000° $M_0$5.90000×10^{18} Moment Tensor Solution. $M_0$1.10000×10^{19}
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=4.0km az=93.6. Fault plane solution: P-wave C159, D11 . Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s217.00000°,δ45.00000°,λ95.00000°. NP2: ϕ_s30.00000°,δ45.00000°,λ85.00000°. Principal axes: T Plg86.0000°,Azm214.0000° ; N Plg4.0000°,Azm34.0000°; P Plg0.0000°,Azm124.0000° $M_0$2.10000×10^{19}
BGS Error ellipse: s-maj=136.6km s-min=327.7km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=6.9km az=133.0.
SZGRF Kuril Islands, Russia.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 103 sta. Surface waves: sta=121, comp=307, per= 50. Moment Tensor Solution. s117,c295; s99,c221; Moment tensor: Scale 10^{19}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s231.00000°,δ33.00000°,λ109.00000°. NP2:ϕ_s28.00000° ,δ59.00000°,λ78.00000°. Principal axes: T 1.0000,Plg73.0000°,Azm268.0000° ; N 0.0200,Plg10.0000°,Azm35.0000°; P -1.0200,Plg13.0000°,Azm127.0000° $M_0$1.00000×10^{19}
NEIC Event type se. Moment Tensor Solution. s141 Moment tensor: Scale 10^{19}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s30.00000°,δ63.00000° ,λ80.00000°. NP2:ϕ_s232.00000°,δ28.00000°,λ109.00000°. Principal axes: T 1.0900,Plg70.0000°,Azm279.0000°; N -0.0300,Plg8.0000°,Azm34.0000° ; P -1.0600,Plg17.0000°,Azm127.0000° $M_0$1.10000×10^{19}

(456) Montana

ISC	IV	18 19 59 47.5–.83	45.35N–.02	112.58W–.02	11–6		103	0-17
ISCJB	IV	18 19 59 46.7–.34	45.32N–.01	112.57W–.03	1–4		¶12935529	
IDC	IV	18 19 59 47.9–1.0	45.56N	112.33W	0	3.3,3.2		
NEIC	IV	18 19 59 48.0	45.33N	112.59W	11	3.3L,3.2		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=1.4.
IDC Error ellipse: s-maj=17.3km s-min=7.6km az=54.0.
NEIC Event type fe. Felt [II] at Dillon. After BUT.

(249) Luzon

ISC	IV	18 22 07 23.0–1.3	18.60N–.04	121.14E–.07	31–9	4.1b	116	1-121
MAN	IV	18 22 07 20	18.90N	120.77E	6	4.9b,3.9s	¶12935604	
NEIC	IV	18 22 07 23.7–.71	18.53N	121.15E	38–6	4.3b,3.9s		
IDC	IV	18 22 07 23.2–5.1	18.55N	121.13E	33–39	4.2L,4.1		

ISC Event type ke.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.3km az=75.0. Felt [II PIVS] at Laoag and Pasuquin. Also felt at Pagudpud.
IDC Error ellipse: s-maj=17.3km s-min=10.0km az=75.0.

(320) Kyrgyzstan-Xinjiang border region

ISC	IV	19 04 08 19.0–.43	41.27N–.03	78.22E–.02	23–2	5.2b,5.0s	1137	2-156
BGS	IV	19 04 08 08.7–1.9	40.36N	79.98E	33	5.1s,5.0b	¶13438864	
LDG	IV	19 04 08 14.2–.34	41.16N	78.11E	10	5.3b,4.7s		
IDC	IV	19 04 08 14.8–.37	41.15N	78.20E	0	5.0L,4.9		
ISCJB	IV	19 04 08 15.5–.51	41.29N–.01	78.23E–.02	10–3	5.2b,5.0s		
NNC	IV	19 04 08 15.6–.95	41.23N	78.20E	5–4	5.8b,5.5		
BJI	IV	19 04 08 18.1	41.27N	78.27E	30	5.8L,5.4s		
MOS	IV	19 04 08 18.7–.97	41.31N	78.24E	33	5.4b,4.8s		
TEH	IV	19 04 08 19.7	41.30N	78.22E	27	5.2L,4.8s		
NEIC	IV	19 04 08 21.0–.44	41.28N	78.20E	39–3	5.3b,4.8s		
GCMT	IV	19 04 08 20.2–.10	41.29N	78.32E	26–0	5.4W,4.8s		
DJA	IV	19 04 08 25.6–1.2	42N–11	78E–6.0	50–15	6.8,6.0		
SZGRF	IV	19 04 08 32.9	42.34N	77.06E	33	5.2b,5.0s		

ISC Event type fe.
BGS Error ellipse: s-maj=864.1km s-min=999.9km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=16.6km s-min=6.0km az=162.0.
IDC Error ellipse: s-maj=9.4km s-min=7.6km az=39.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=22.4.
NNC Error ellipse: s-maj=6.6km s-min=4.6km az=159.0.
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=3.2km az=128.1. Felt (III-IV) ay Almaty. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=188.0. Felt at Bishkek. Felt [II] at Almaty, Kazakhstan.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s69,c116; s99,c199; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.02 $M_{\theta\theta}$-1.36±.02; $M_{\phi\phi}$1.38±.02; $M_{r\theta}$0.05±.04; $M_{\theta\phi}$-0.41±.02; $M_{\phi r}$-0.05±.04; Best double couple: NP1: ϕ_s217.00000°,δ87.00000°,λ0.00000°. NP2:ϕ_s127.00000°,δ90.00000°,λ177.00000°. Principal axes: T 1.4400,Plg2.0000°,Azm82.0000°; N -0.0200,Plg87.0000°,Azm303.0000° ; P -1.4200,Plg2.0000°,Azm172.0000° $M_0$1.40000×10^{17}
SZGRF Lake Issyk-Kul, Kyrgyzstan, region.

(263) Talaud Islands

ISC	IV	19 05 23 27.2–.25	4.12N–.02	126.74E–.03	34–0	5.9b,5.9s	1774	1-169
IDC	IV	19 05 23 22.2–.29	4.15N	126.67E	0	5.8,5.8s	¶13545964	
BJI	IV	19 05 23 22.7	3.77N	126.78E	38	6.2b,6.1s		
MOS	IV	19 05 23 25.5–1.1	4.14N	126.73E	33	6.2b,5.9s		
NEIC	IV	19 05 23 25.9–.10	4.14N	126.68E	25	6.1W,5.9b		
TEH	IV	19 05 23 27.0	4.11N	126.73E	35	6.4L,5.9b		
ISCJB	IV	19 05 23 28.8–.33	4.12N–.01	126.77E–.02	65–2	5.8b,5.9b		
GCMT	IV	19 05 23 29.9–.10	4.14N	126.87E	25–0	6.1W,5.9b		
AUST	IV	19 05 23 30.4–.20	3.96N	126.85E	59–0	6.1W,5.9b		
DJA	IV	19 05 23 32.1–.30	4N–2.0	127E–2.0	67–3	6.4b,6.3		

ISC Event type fe.
NEIC Event type fe. Felt [III] in the Kepulauan Talaud. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. $M_0$3.40000×10^{18}
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=233, per= 50. Moment Tensor Solution. s106,c239; s93,c142; Moment tensor: Scale 10^{18}Nm; M_{rr}1.54±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-1.56±.01; $M_{r\theta}$0.20±.03; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$0.28±.02; Best double couple: NP1:ϕ_s180.00000°,δ40.00000°,λ81.00000°. NP2:ϕ_s12.00000°,δ51.00000°,λ98.00000°. Principal axes: T 1.5900,Plg82.0000°,Azm325.0000°; N 0.0300,Plg6.0000°,Azm187.0000° ; P -1.6100,Plg5.0000°,Azm97.0000° $M_0$1.60000×10^{18}

(213) Volcano Islands region

ISC	IV	19 09 05 54.9–.28	23.24N–.03	142.29E–.03	149–1	5.2b	1198	3-168
SZGRF	IV	19 09 05 46.5	24.79N	142.93E	33	5.2b	¶12610726	
ISCJB	IV	19 09 05 51.4–.46	23.28N–.02	142.18E–.02	122–3	5.2b		
IDC	IV	19 09 05 53.8–.53	23.18N	142.19E	139–4	4.9,4.9		
MOS	IV	19 09 05 53.4–.88	23.21N	142.13E	145	5.2b,4.3s		
BJI	IV	19 09 05 54.1	23.47N	142.39E	155	5.0b,5.0b		
NEIC	IV	19 09 05 54.1–.10	23.16N	142.22E	139	5.3b,5.0b		
JMA	IV	19 09 05 54.1–.30	23.56N	142.67E	180	5.5,5.0b		
GCMT	IV	19 09 05 56.0–.20	23.34N	142.17E	122–1	5.2W,5.0b		
DJA	IV	19 09 05 59.0–1.5	23N–8.0	142E–11	185–15	5.6b,5.1		

ISC Event type fe.
SZGRF Volcano Islands, Japan, region.
ISCJB Event type fe.
NEIC Event type fe. Recorded [1 JMA] in the Haha-jima-retto.
JMA Event type fe.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s49,c67; s87,c161; Moment tensor: Scale 10^{16}Nm; M_{rr}7.24±.17 $M_{\theta\theta}$-6.37±.21; $M_{\phi\phi}$-0.88±.23; $M_{r\theta}$-0.17±.18; $M_{\theta\phi}$-6.31±.19; $M_{\phi r}$-0.49±.18; Best double couple: NP1:ϕ_s61.00000°,δ44.00000°,λ97.00000°. NP2:ϕ_s232.00000°,δ47.00000°,λ84.00000°. Principal axes: T 7.3000,Plg85.0000° ,Azm73.0000°; N 3.2000,Plg5.0000°,Azm237.0000°; P -10.5000,Plg1.0000°,Azm327.0000° $M_0$8.90000×10^{16}

(545) Northern Italy

ISC	IV	19 12 39 50.0–.46	44.74N–.02	7.90E–.02	51–5	3.5b	907	0-50
IDC	IV	19 12 39 45.6–1.3	44.67N	7.96E	0	4.6L,3.9	¶12610734	
BGR	IV	19 12 39 48.9–.62	44.70N	7.86E	10	4.3L,3.9		
SZGRF	IV	19 12 39 48.9	44.70N	7.86E	10	4.3b,3.9		
ISCJB	IV	19 12 39 49.5–.12	44.76N–.01	7.92E–.01	65–2	3.5b,3.9		
ZUR	IV	19 12 39 49.7	44.66N	7.99E	40–1	4.0L,3.9		
STR	IV	19 12 39 49.2–.16	44.75N	8.00E	5	4.5L,3.9		
NEIC	IV	19 12 39 50.0	44.73N	7.85E	40	4.5L,4.4L		
PRU	IV	19 12 39 50.9	45.20N	7.98E	0	3.6,4.4L		
ROM	IV	19 12 39 50.0–.10	44.74N	7.87E	45–3	4.1L,4.4L		
LDG	IV	19 12 39 50.2–.07	44.76N	7.95E	40	4.5L,3.7		
GEN	IV	19 12 39 50.3	44.76N	7.85E	54	4.2L,3.7		
CSEM	IV	19 12 39 51.0–.06	44.76N	7.95E	40	4.7L,3.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=32.9km s-min=15.4km az=126.0.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=27.0.
SZGRF Northern Italy.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.5km az=152.9.
ZUR Event type ke.
STR Event type ke.
NEIC Event type fe. Felt [IV] at Boves, Canale, Carignano, Cavallermaggiore, Cherasco, Collegno, Fossano, Guarene, Racconigi, Savigliano and Vinovo; [III] at Alba, Alessandria, Alpignano, Asti, Beinasco, Biella, Borgo San Dalmazzo, Bra, Canelli, Carmagnola, Chieri, Cuneo, Giaveno, Grugliasco, Ivrea, Moncalieri, Nichelino, Orbassano, Rivoli, San Damiano d'Asti, Santena, Savona, Settimo Torinese, Turin and Venaria Reale; [II] at Genoa and Milan. Felt throughout Piemonte and in western Liguria, western Lombardia and Valle d'Aosta. After ROM.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=40.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=29.0.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=160.0.

(211) Southeast of Honshu

ISC	IV	19 13 31 24.3–2.2	32.89N–.08	140.45E–.08	32–13	3.5b	31	1-57
NIED	IV	19 13 31 00	33.00N	140.30E	35	3.6W	¶12935659	
IDC	IV	19 13 31 22.1–1.1	32.59N	139.69E	0	4.0L,3.7		
ISCJB	IV	19 13 31 24.8–.85	32.95N–.04	140.39E–.08	51–7	3.5b,3.7		
JMA	IV	19 13 31 26.6–.20	32.99N	140.30E	48–3	4.0,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s286.00000°,δ65.00000°,λ83.00000°. NP2:ϕ_s122.00000°,δ26.00000°,λ104.00000°. $M_0$3.13000×10^{14}
IDC Error ellipse: s-maj=45.0km s-min=15.1km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=6.9km az=6.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.7km az=-1.0.

(162) South Island

WEL	IV	19 13 45 30.1–.14	41.47S	172.06E	12	3.6L	¶14211136

WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.1km az=90.0. Felt in the West Coast region, maximum reported intensity MM 4.

(546) Austria

ISC	IV	20 06 33 41.2–.75	47.53N–.01	14.46E–.01	7–6		564	0-119
MOS	IV	20 06 33 40.6–.79	47.42N	14.48E	10	4.4b	¶12610915	
GEN	IV	20 06 33 41.2	47.66N	14.54E	4	4.3L		
CSEM	IV	20 06 33 41.7–.07	47.51N	14.48E	2	4.4L		
IPEC	IV	20 06 33 42.5–.10	47.50N	14.57E	8–0	3.6L		
VIE	IV	20 06 33 42.0–.15	47.46N	14.47E	9–2	4.1L,3.4b		
BGR	IV	20 06 33 43.2–.24	47.50N	14.47E	10	4.2L,3.4b		
IDC	IV	20 06 33 43.4–1.1	47.56N	14.41E	0	3.8,3.8L		
PRU	IV	20 06 33 43.0	47.58N	14.56E	3	4.1,3.8L		
LDG	IV	20 06 33 43.1–.10	47.63N	14.55E	10	4.0L,3.8L		
STR	IV	20 06 33 49.9–.30	47.50N	13.90E	10	4.0L,3.8L		
BNS	IV	20 06 33 53.0–.31	47.92N	13.94E	14–0	3.7L,3.8L		

ISC Event type fe.
MOS Error ellipse: s-maj=8.3km s-min=4.9km az=77.7.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=139.0.
IPEC Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=163.0.
VIE Event type fe. Error ellipse: s-maj=1.3km s-min=1.2km az=49.0. 4 km SSW of Trieben . felt 5 ems98 at Trieben / STYRIA.
BGR Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=57.0. Strongly felt. Items toppled down, slight damage of plaster.
IDC Error ellipse: s-maj=15.1km s-min=11.2km az=153.0.
PRU Felt In Vyssi Brod.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=171.0.
STR Event type ke.
BNS Event type ke.

(238) Ryukyu Islands

ISC	IV	20 07 22 40.4–.21	27.17N–.02	129.90E–.02	29	5.2b,4.6s	679	1-173
NIED	IV	20 07 22 00	27.10N	130.00E	5	4.9W,4.6s	¶12610919	
IDC	IV	20 07 22 35.9–.37	27.16N	130.00E	0	4.9,4.9		
NEIC	IV	20 07 22 37.9–.15	27.10N	129.90E	10	5.3b,4.9W		
JMA	IV	20 07 22 38.1–.10	27.09N	130.01E	59	5.1,4.9W		
BJI	IV	20 07 22 39.3	27.14N	129.99E	44	5.0s,5.0b		
ISCJB	IV	20 07 22 39.9–.11	27.16N–.02	129.90E–.02	32	5.1b,4.7s		
GCMT	IV	20 07 22 41.0–.20	27.09N	129.91E	12	5.1W,4.7s		
DJA	IV	20 07 22 42.9–2.9	27N–6.0	130E–7.0	47–28	6.2,5.6b		

MOS IV 20 07 22 44.3–.94 28.03N 129.83E 33 5.4b,5.0s
SZGRF IV 20 07 22 49.1 28.07N 129.19E 34 5.0b,4.8s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ53.00000°,λ-120.00000°. NP2:ϕ_s230.00000°,δ46.00000°,λ-57.000000°. M_o2.92000×10^{16}
IDC Error ellipse: s-maj=13.6km s-min=10.5km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=130.0. Recorded [1 JMA] on Amami-oshima and Tokuno-shima. Moment Tensor Solution. M_o2.90000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=155.9.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s40,c63; s63,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.16±.13 $M_{\theta\theta}$0.65±.12; $M_{\phi\phi}$3.50±.12; $M_{r\theta}$0.70±.37; $M_{\theta\phi}$3.15±.10; $M_{\theta r}$0.81±.35; Best double couple: NP1:ϕ_s30.00000°,δ39.00000°,λ-95.00000°. NP2:ϕ_s216.00000°,δ51.00000°,λ-86.00000°. Principal axes: T 5.6500,Plg6.0000° ,Azm303.0000°; N -1.3700,Plg3.0000°,Azm33.0000°; P -4.2800,Plg83.0000°,Azm149.0000° M_o5.00000×10^{16}
MOS Error ellipse: s-maj=9.7km s-min=4.9km az=115.3.
SZGRF Ryukyu Islands, Japan.

(251) Samar

ISC	**IV**	**20 08 50 25.1–.76**	**11.58N–.09**	**125.69E–.10**	**53**	**3.7b**	**20**	**1-93**
IDC	IV	20 08 50 17.7–.73	11.66N	125.88E	0	4.0,3.9b		**¶12935751**
ISCJB	IV	20 08 50 23.5–.64	11.62N–.08	125.81E–.08	53	3.9b,3.9b		
MAN	IV	20 08 50 27	11.75N	125.47E	55	4.7b,3.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=55.1km s-min=17.3km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=13.9km s-min=7.8km az=140.8.
MAN Event type fe. INTENSITY II - BORONGAN CITY & CAN-AVID EASTERN SAMAR.

(99) Northern Colombia

ISC	**IV**	**20 08 54 01.7–.24**	**7.71N–.03**	**73.45W–.03**	**125–1**	**5.0b**	**1799**	**1-167**
MOS	IV	20 08 53 57.7–.86	7.82N	73.30W	92	5.1b		**¶13438900**
IDC	IV	20 08 54 00.7–.45	7.69N	73.38W	116–3	4.8,4.8		
ISCJB	IV	20 08 54 01.5–.30	7.77N–.02	73.36W–.01	131–2	4.8b,4.8		
NEIC	IV	20 08 54 01.8–.14	7.71N	73.27W	123	5.0b,4.8		
FUNV	IV	20 08 54 03.3	7.81N	73.55W	119	5.4W,4.8		
BGS	IV	20 08 54 05.8–1.4	8.44N	73.11W	123	5.2b,4.8		
GCMT	IV	20 08 54 05.5–.20	7.81N	73.53W	130–2	5.1W,4.8		
SZGRF	IV	20 08 54 11.0	8.39N	71.88W	128	5.4b,4.8		

ISC Event type fe.
MOS Error ellipse: s-maj=5.9km s-min=4.4km az=74.2.
IDC Error ellipse: s-maj=12.8km s-min=7.7km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.3km az=9.3.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=192.0. Felt [II] at Medellin. Also felt at Bucaramanga and San Gil. Felt [III] at San Cristobal, Venezuela. Also felt at Merida and San Antonio del Tachira.
BGS Error ellipse: s-maj=635.8km s-min=341.0km az=-1.0.
GCMT Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s36,c45; s78,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}2.90±.15 $M_{\theta\theta}$-0.61±.16; $M_{\phi\phi}$-2.29±.20; $M_{r\theta}$-0.16±.11; $M_{\theta\phi}$2.14±.17; $M_{\theta r}$-4.14±.13; Best double couple: NP1:ϕ_s300.00000°,δ28.00000°,λ40.00000°. NP2:ϕ_s173.00000°,δ73.00000°,λ112.00000°. Principal axes: T 5.4300,Plg57.0000° ,Azm112.0000°; N -0.1500,Plg21.0000°,Azm346.0000°; P -5.2900,Plg24.0000° ,Azm246.0000° M_o5.40000×10^{16}
SZGRF Venezuela.

(159) North Island

ISC	**IV**	**20 13 14 13.3–.95**	**40.72S–.03**	**175.53E–.04**	**36–5**	**3.9b**	**63**	**0-147**
IDC	IV	20 13 14 07.9–3.0	40.73S	175.52E	0	3.7,3.7		**¶12935727**
ISCJB	IV	20 13 14 14.0–.33	40.71S–.03	175.51E–.04	42–5	3.6b,3.7		
WEL	IV	20 13 14 14.6–.07	40.69S	175.53E	31–0	3.8L,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=72.7km s-min=28.5km az=138.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=3.6km az=38.1.
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=90.0. Felt from Manawatu to Wellington, maximum reported intensity MM 5.

(233) Near south coast of western Honshu

JMA	**IV**	**20 16 55 20.4**	**34.34N**	**133.45E**	**19–1**	**3.5**		
								¶15416313

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s191.00000°,δ85.00000°,λ123.00000°. NP2:ϕ_s289.00000°,δ33.00000°,λ9.00000°. Principal axes: T Plg41.0000°,Azm132.0000°; N Plg33.0000°,Azm8.0000°; P Plg32.0000° ,Azm254.0000°

(460) Wyoming

ISC	**IV**	**20 18 03 02.2–.58**	**43.75N–.02**	**105.28W–.02**	**0**	**4.0b**	**144**	**0-90**
ISCJB	IV	20 18 03 02.4–.20	43.73N–.01	105.33W–.02	0	4.1b,3.0s		**¶12935814**
IDC	IV	20 18 03 02.5–1.7	43.76N	105.52W	0	4.0b,3.8		
NEIC	IV	20 18 03 02.5–.37	43.76N	105.19W	0	3.4L,3.8		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=1.9km az=171.0.
IDC Error ellipse: s-maj=51.6km s-min=7.9km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=4.9km s-min=4.4km az=90.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(249) Luzon

ISC	**IV**	**20 19 12 38.8–.59**	**15.47N–.03**	**120.28E–.04**	**33–3**	**5.0b,4.4s**	**528**	**0-153**
MAN	IV	20 19 12 34	15.27N	119.73E	14	5.8b,5.3s		**¶13438919**
IDC	IV	20 19 12 36.6–4.1	15.44N	120.26E	18–25	4.5,4.5		
MOS	IV	20 19 12 37.3–.84	15.47N	120.30E	33	5.2b,4.5s		
NEIC	IV	20 19 12 40.8–.55	15.39N	120.24E	50–4	5.1b,4.5s		
ISCJB	IV	20 19 12 40.7–.34	15.52N–.02	120.20E–.03	57–3	4.9b,4.5s		
BJI	IV	20 19 12 40.1	15.42N	120.23E	60	5.1b,4.8s		
GCMT	IV	20 19 12 40.8–.20	15.60N	120.03E	30–0	5.2W,4.8s		
TEH	IV	20 19 12 42.0	15.44N	120.24E	62	4.9L,4.8s		
DJA	IV	20 19 12 46.2–.60	16N–4.0	120E–4.0	62–7	5.4b,5.1b		
AUST	IV	20 19 14 06.1	9.00N	120.99E	450	5.4b,5.1b		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - IBA ZAMBALES; INTENSITY III - STA CRUZ ZAMBALES; BAGUIO CITY;CLARKFIELD PAMPANGA; LINGAYEN PANGASINAN.
IDC Error ellipse: s-maj=13.3km s-min=9.8km az=71.0.
MOS Error ellipse: s-maj=10.0km s-min=4.6km az=121.7.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.8km az=86.0. Felt [IV PIVS] at Iba; [III PIVS] at Baguio, Clark Field, Dagupan, Lingayen, Manila and Santa Cruz; [II PIVS] at Makati, Mandaluyong, Quezon City, San Fernando and San Rafael. Felt [II] at Angeles and Olongapo. Also felt at Abucay, Bacoor, Balibago, Binalonan, Binmaley, Botolan, Capas, Cavite, Mabalacat, Masinloc, Palauig, Paniqui, Rizal, San Antonio, Santa Ana and Tarlac.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=177.9.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c94; s77,c141; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.64±.21 $M_{\theta\theta}$9.16±.15; $M_{\phi\phi}$-6.52±.20; $M_{r\theta}$-0.49±.23; $M_{\theta\phi}$-1.06±.13; $M_{\theta r}$-2.18±.33; Best double couple: NP1:ϕ_s316.00000°,δ72.00000°,λ-16.00000°. NP2:ϕ_s52.00000°,δ74.00000°,λ-161.00000°. Principal axes: T 9.2400,Plg2.0000° ,Azm184.0000°; N -1.6600,Plg66.0000°,Azm90.0000°; P -7.5800,Plg24.0000° ,Azm274.0000° M_o8.40000×10^{16}

(173) Tonga Islands

ISC	**IV**	**20 20 02 24.9–.37**	**15.28S–.05**	**173.47W–.05**	**20–2**	**5.2b,5.1s**	**872**	**2-175**
ISCJB	IV	20 20 02 20.7–2.8	15.19S–.05	173.64W–.03	2–17	5.1b,5.0s		**¶15153830**
IDC	IV	20 20 02 21.4–.44	15.18S	173.60W	0	4.9,4.9		
BJI	IV	20 20 02 23.5	15.12S	173.74W	10	5.6b,5.3s		
MOS	IV	20 20 02 26.6–1.2	15.06S	173.59W	33	5.4b,5.3s		
NEIC	IV	20 20 02 27.2–.17	15.17S	173.72W	35	5.4W,5.2b		
AUST	IV	20 20 02 29.5–.01	15.10S	172.82W	106–0	5.4W,5.2b		
GCMT	IV	20 20 02 33.4–.10	15.20S	173.33W	57–1	5.6W,5.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.0km az=157.3.
IDC Error ellipse: s-maj=19.5km s-min=12.3km az=131.0.
MOS Error ellipse: s-maj=13.1km s-min=7.2km az=59.4.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=4.2km az=143.0. Felt at Nuku'alofa. Felt at Apia, Samoa and at Tafuna, American Samoa. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.23 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$0.05 $M_{r\theta}$-1.66 $M_{\theta\phi}$-0.54 $M_{\theta r}$0.21 Best double couple: NP1:ϕ_s275.00000°,δ86.00000°,λ109.00000°. NP2:ϕ_s15.00000° ,δ19.00000°,λ11.00000°. Principal axes: T 1.8000,Plg45.0000°,Azm203.0000° ; N -0.0500,Plg18.0000°,Azm93.0000°; P -1.7500,Plg38.0000°,Azm348.0000° M_o1.80000×10^{17}
AUST Error ellipse: s-maj=1.4km s-min=1.2km az=235.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s76,c135; s98,c172; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.04 $M_{\theta\theta}$0.67±.05; $M_{\phi\phi}$-0.59±.04; $M_{r\theta}$-2.69±.06; $M_{\theta\phi}$0.61±.04; $M_{\theta r}$0.60±.03; Best double couple: NP1:ϕ_s200.00000°,δ17.00000°,λ-174.00000°. NP2:ϕ_s104.00000°,δ88.00000°,λ-73.00000°. Principal axes: T 3.0100,Plg41.0000° ,Azm179.0000°; N -0.2600,Plg17.0000°,Azm284.0000°; P -2.7600,Plg44.0000° ,Azm31.0000° M_o2.90000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**IV**	**20 22 54 24.4–.49**	**35.91N–.03**	**140.83E–.04**	**35–3**	**4.8b,4.0s**	**450**	**0-148**
NIED	IV	20 22 54 00	36.00N	140.90E	44	4.7W,4.0s		**¶13438928**
BJI	IV	20 22 54 18.2	35.93N	140.82E	12	4.9b,4.8b		
TEH	IV	20 22 54 21.0	35.87N	140.65E	6	4.9L,4.8b		
ISCJB	IV	20 22 54 24.2–.35	35.87N–.02	140.81E–.03	48–2	4.7b,4.0s		
MOS	IV	20 22 54 24.7–.68	36.27N	140.61E	33	5.2b,4.0s		
JMA	IV	20 22 54 24.6–.10	35.90N	140.84E	41–1	4.6,4.0s		
IDC	IV	20 22 54 25.2–.63	35.86N	140.81E	44–5	4.5,4.4		
NEIC	IV	20 22 54 27.4–.73	35.80N	140.66E	63–6	4.8b,4.7W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ76.00000°,λ85.00000°. NP2:ϕ_s218.00000°,δ15.00000°,λ110.00000°. M_o1.16000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.1km az=171.5.
MOS Error ellipse: s-maj=10.4km s-min=5.0km az=108.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s0.00000°,δ76.00000°,λ70.00000°. NP2:ϕ_s236.00000°,δ25.00000°,λ144.00000°. Principal axes: T Plg55.0000°,Azm244.0000°; N Plg20.0000°,Azm5.0000°; P Plg28.0000° ,Azm106.0000°
IDC Error ellipse: s-maj=13.5km s-min=7.9km az=103.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.4km az=135.0. Felt [II] at Tokyo. Also felt Kawasaki, Mito and Tsukuba. Recorded [3 JMA] in Chiba and Ibaraki; [2 JMA] in Tochigi; [1 JMA] in Fukushima, Gumma, Saitama and Tokyo. Moment Tensor Solution. M_o1.20000×10^{16}

(78) Costa Rica

ISC	**IV**	**20 23 54 13.3–.74**	**10.42N–.05**	**86.24W–.03**	**17–4**	**4.6b,4.1s**	**488**	**1-151**
CASC	IV	20 23 54 12.8–3.9	10.46N	86.30W	9–15	4.6b,4.1		**¶12612259**
ISCJB	IV	20 23 54 13.0–.28	10.52N–.04	86.21W–.02	21	4.5b,4.1s		
IDC	IV	20 23 54 13.7–.77	10.78N	85.75W	18–4	4.4,4.3		
NEIC	IV	20 23 54 18.5–.95	10.63N	85.81W	61–8	4.6b,4.3		
BJI	IV	20 23 54 27.3	11.20N	86.20W	107	4.9b,4.3		

ISC Event type fe.
CASC Error ellipse: s-maj=11.8km s-min=6.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=2.5km az=21.1.
IDC Error ellipse: s-maj=22.2km s-min=11.5km az=54.0.
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=5.7km az=49.0. Felt at Belen, Liberia, Santa Cruz and Tilaran.

(136) Central Chile

ISC	**IV**	**21 00 27 44.1–.24**	**35.06S–.03**	**71.60W–.04**	**63–1**	**5.1b**	**953**	**0-176**
MOS	IV	21 00 27 40.1–.95	34.90S	71.56W	33	5.4b		**¶12612260**
ISCJB	IV	21 00 27 43.8–.25	35.09S–.02	71.56W–.05	70–2	5.0b		
IDC	IV	21 00 27 44.2–.35	35.04S	71.54W	60–2	4.6,4.6		
GUC	IV	21 00 27 44.1–.55	35.09S	71.57W	64–3	5.4L,4.6		
NEIC	IV	21 00 27 44.1	35.09S	71.57W	64	5.2b,4.6		
BJI	IV	21 00 27 45.1	34.39S	71.64W	73	5.4s,5.2b		

ISC Event type fe.
MOS Error ellipse: s-maj=16.7km s-min=7.7km az=103.4.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.0km az=27.3.
IDC Error ellipse: s-maj=12.4km s-min=8.9km az=97.0.
GUC Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0.
NEIC Event type fe. Felt [V] at Talca; [IV] at Constitucion, Curico, Graneros, Melipilla, Pichilemu, Rancagua, San Bernardo, San Fernando and Santa Cruz; [III] at Colina, Lampa, Maria Pinto, Puente Alto, San Jose and Santiago; [II] at Casablanca, El Tabo, Isla de Maipo, Talagante and Valparaiso. Also felt at Buin, San Bernardo and Vina del Mar. After GUC.

(249) Luzon

ISC	**IV**	**21 00 37 37.0–.46**	**19.01N–.03**	**121.31E–.05**	**46**	**4.2b,3.7s**	**132**	**1-120**
NEIC	IV	21 00 37 33.7–.42	18.77N	121.62E	35	4.6b,3.7s		**¶13438934**
BJI	IV	21 00 37 34.9	19.11N	121.13E	15	4.7b,4.5b		
ISCJB	IV	21 00 37 35.1–.27	19.02N–.02	121.49E–.05	46	4.2b,3.6s		
MAN	IV	21 00 37 35	18.74N	121.46E	1	5.3b,4.5s		
IDC	IV	21 00 37 36.6–4.1	18.79N	121.60E	62–38	4.0,4.0L		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=7.2km az=103.0. Felt [III PIVS] on Fuga Island and [II PIVS] at Aparri.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.5km az=174.8.
MAN Event type fe. INTENSITY III - FUGA ISLAND; INTENSITY II - APARRI CAGAYAN.
IDC Error ellipse: s-maj=18.1km s-min=15.0km az=65.0.

(221) Kuril Islands

ISC	**IV**	**21 01 16 46.6–.38**	**44.48N–.04**	**148.17E–.04**	**63–2**	**4.9b**	**945**	**1-153**
BJI	IV	21 01 16 41.6	44.50N	148.64E	59	5.1b,5.0b		**¶12612265**
SKHL	IV	21 01 16 43.1–.60	44.38N	148.65E	63–12	5.2b,4.2s		
JMA	IV	21 01 16 44.3–.30	44.06N	148.08E	0	5.0,4.2s		
ISCJB	IV	21 01 16 45.7–.34	44.47N–.03	148.12E–.02	65–3	4.8b,4.2s		
MOS	IV	21 01 16 45.2–.89	44.52N	148.15E	62	5.2b,4.2s		
IDC	IV	21 01 16 46.5–1.7	44.53N	148.16E	60–14	4.6,4.6		
TEH	IV	21 01 16 47.0	44.63N	148.06E	57	4.8L,4.6		
NEIC	IV	21 01 16 47.1–.53	44.52N	148.07E	65–5	5.0b,4.6		
NIED	IV	21 01 17 00	44.10N	148.00E	50	4.7W,4.6		

ISC Event type fe.
SKHL Event type fe. Felt (III) at Kurilsk, (II) at Yushno-Kurilsk.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.4km az=162.9.
MOS Event type fe. Error ellipse: s-maj=7.5km s-min=4.5km az=106.8. Felt (III) at Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=10.8km s-min=9.3km az=137.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=159.0. Recorded [1 JMA] in eastern Hokkaido.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ76.00000°,λ90.00000°. NP2:ϕ_s209.00000°,δ14.00000°,λ89.00000°. M_o1.31000×10^{16}

(213) Volcano Islands region

ISC	**IV**	**21 04 08 41.5–.65**	**24.42N–.08**	**141.8E–.10**	**56–5**	**4.4b,3.6s**	**265**	**11-151**
MOS	IV	21 04 08 36.9–1.1	24.38N	141.71E	33	4.8b,3.6s		**¶13438945**
NEIC	IV	21 04 08 40.7–1.7	24.42N	141.72E	50–15	4.6b,3.6s		
IDC	IV	21 04 08 41.4–.73	24.46N	141.75E	60–6	4.1,4.0		

ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=15.4km s-min=7.8km az=96.7. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.1km az=110.0.
IDC Error ellipse: s-maj=19.0km s-min=12.3km az=79.0.

(221) Kuril Islands

ISC	**IV**	**21 05 26 11.6–.20**	**50.73N–.03**	**155.19E–.02**	**157–1**	**6.0b**	**2666**	**1-159**
BJI	IV	21 05 26 06.2	50.70N	155.56E	143	6.2b,5.8b		**¶13438949**
MOS	IV	21 05 26 09.9–.80	50.82N	155.06E	153	5.9b,5.3s		
KRSC	IV	21 05 26 09.9–.60	50.37N	156.06E	179–20	6.1L,5.3s		
DJA	IV	21 05 26 11.7–3.0	51N–8.0	155E–8.0	149–27	6.3b,6.2		
NEIC	IV	21 05 26 11.5–.09	50.83N	155.01E	152	6.2W,6.1W		
ISCJB	IV	21 05 26 12.0–.24	50.82N–.02	155.07E–.02	169–1	5.8b,6.1W		
IDC	IV	21 05 26 11.3–.35	50.84N	155.08E	151–3	5.3,5.3		
TEH	IV	21 05 26 12.0	50.82N	155.06E	151	6.0L,5.3		
BGS	IV	21 05 26 12.2–2.1	51.17N	155.02E	150–999	5.2b,5.3		
IGIL	IV	21 05 26 12.0	50.82N	155.06E	151	5.5s,5.3		
GCMT	IV	21 05 26 15.1–.10	50.64N	155.59E	152–0	6.2W,5.3		
SZGRF	IV	21 05 26 17.0	51.59N	155.18E	173	6.1b,5.3		

ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=7.1km s-min=4.4km az=88.0. Felt (III-IV) at Severo-Kuril'sk, (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.9km az=166.0. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s33.00000°,δ85.00000°,λ-80.00000°. NP2:ϕ_s149.00000°,δ11.00000°,λ-153.00000°. Principal axes: T Plg39.0000°,Azm114.0000° ; N Plg0.0000°,Azm0.0000°; P Plg49.0000°,Azm314.0000° Moment Tensor Solution. s104 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.22 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$0.65 $M_{r\theta}$-1.30 $M_{\theta\phi}$0.21 $M_{\theta r}$-1.99 Best double couple: NP1:ϕ_s147.00000°,δ11.00000°,λ-157.00000°. NP2:ϕ_s34.00000° ,δ86.00000°,λ-84.00000°. Principal axes: T 2.5900,Plg39.0000°,Azm115.0000° ; N -0.3000,Plg9.0000°,Azm213.0000°; P -2.2900,Plg48.0000°,Azm314.0000° M_o2.50000×10^{18} Moment Tensor Solution. M_o4.00000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=167.6.

IDC Error ellipse: s-maj=8.8km s-min=6.5km az=136.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=113, comp=272, per= 50. Moment Tensor Solution. s109,c267; s92,c138; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00±.02 $M_{\theta\theta}$-0.53±.02; $M_{\phi\phi}$0.53±.02; $M_{r\theta}$-1.15±.01; $M_{\theta\phi}$-0.54±.02; $M_{\phi r}$-1.99±.01; Best double couple: NP1:ϕ_s116.00000°,δ18.00000°,λ177.00000°. NP2:ϕ_s208.00000°,δ89.00000°,λ72.00000°. Principal axes: T 2.3200,Plg43.0000°,Azm101.0000°; N 0.1800,Plg18.0000°,Azm209.0000° ; P -2.5100,Plg42.0000°,Azm315.0000° $M_0$2.40000×10^{18}
SZGRF Northwest of Kuril Islands, Russia.

(656) Southeastern Siberia

SKHL	**IV**	**21 06 15 03.0–1.1**	**51.19N**	**136.91E**	**29–4**	**4.5b**	**¶14682905**

SKHL Event type fe. Felt (IV) at Khurmuly, (II) at Gornyy.

(7) Andreanof Islands

ISC	**IV**	**21 08 37 28.8–.25**	**52.22N–.05**	**173.38W–.02**	**68–1**	**5.3b**	**1348**	**0-160**
DJA	IV	21 08 37 19.6–1.1	52N–11	173W–25	10	6.1b,5.8		¶13438956
MOS	IV	21 08 37 23.9–.86	52.30N	173.45W	33	5.4b,4.2s		
SZGRF	IV	21 08 37 24.6	51.68N	177.17W	33	5.0b,4.1s		
BJI	IV	21 08 37 27.4	52.69N	173.22W	74	5.2b,5.0b		
IDC	IV	21 08 37 27.8–.31	52.25N	173.41W	56–2	4.9,4.9		
NEIC	IV	21 08 37 28.1–.13	52.26N	173.44W	56	5.4b,5.2L		
ISCJB	IV	21 08 37 28.6–.26	52.27N–.03	173.39W–.02	76–2	5.2b,5.2L		
GCMT	IV	21 08 37 30.7–.20	52.00N	173.28W	63–1	5.2W,5.2L		

ISC Event type fe.
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=80.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
IDC Error ellipse: s-maj=10.4km s-min=7.0km az=163.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=2.2km az=172.0. Felt at Atka.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=1.8km az=0.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s62,c83; s90,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}7.72±.25 $M_{\theta\theta}$-7.41±.21; $M_{\phi\phi}$-0.31±.22; $M_{r\theta}$0.50±.18; $M_{\theta\phi}$-3.44±.15; $M_{\phi r}$2.56±.14; Best double couple: NP1:ϕ_s264.00000°,δ42.00000°,λ114.00000°. NP2:ϕ_s52.00000°,δ52.00000°,λ69.00000°. Principal axes: T 8.4800,Plg73.0000° ,Azm264.0000°; N 0.4400,Plg16.0000°,Azm65.0000°; P -8.9300,Plg5.0000°,Azm157.0000° $M_0$8.70000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**IV**	**21 09 57 50.2–.24**	**37.36N–.03**	**141.51E–.03**	**43–1**	**5.2b,4.8s**	**1479**	**1-155**
BJI	IV	21 09 57 45.9	37.28N	141.69E	37	5.3b,5.2b		¶12638902
MOS	IV	21 09 57 48.7–.73	37.54N	141.43E	33	5.5b,4.7s		
JMA	IV	21 09 57 49.2–.10	37.34N	141.59E	45–2	5.2,4.7s		
IDC	IV	21 09 57 49.8–.48	37.35N	141.56E	41–3	4.9,4.9		
NEIC	IV	21 09 57 50.5–.10	37.37N	141.40E	43	5.3W,5.2b		
ISCJB	IV	21 09 57 50.1–.27	37.37N–.02	141.46E–.02	51–2	5.2b,4.8s		
GCMT	IV	21 09 57 53.5–.20	37.32N	141.73E	48–0	5.3W,4.8s		
SZGRF	IV	21 09 57 53.3	38.40N	142.29E	44	5.4b,5.0s		
DJA	IV	21 09 57 54.3–4.7	37N–8.0	142E–17	78–40	5.5b,5.2b		
NIED	IV	21 09 58 00	37.40N	141.60E	44	5.3W,5.2b		

ISC Event type fe.
MOS Error ellipse: s-maj=6.4km s-min=3.9km az=104.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s23.00000°,δ56.00000°,λ91.00000°. NP2: ϕ_s201.00000°,δ34.00000°,λ88.00000°. Principal axes: T Plg79.0000°,Azm297.0000° ; N Plg1.0000°,Azm202.0000°; P Plg11.0000°,Azm112.0000°
IDC Error ellipse: s-maj=11.2km s-min=10.1km az=117.0.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.2km az=153.0. Felt [III] at Sendai and [II] at Tokyo. Also felt at Ami, Daigo, Fuchu, Iwaki, Matsudo and Narita. Recorded [3 JMA] in Fukushima, Miyagi and Tochigi; [2 JMA] in Ibaraki, Iwate and Yamagata; [1 JMA] in Akita, Aomori, Chiba, Gumma, Kanagawa, Niigata, Saitama and Tokyo. Moment Tensor Solution. $M_0$1.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=159.9.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c120; s92,c165; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s203.00000°,δ25.00000°,λ88.00000°. NP2:ϕ_s25.00000° ,δ65.00000°,λ91.00000°. Principal axes: T 1.1900,Plg70.0000°,Azm297.0000° ; N 0.0700,Plg1.0000°,Azm205.0000°; P -1.2500,Plg20.0000°,Azm115.0000° $M_0$1.20000×10^{17}
SZGRF Near east coast of eastern Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ73.00000°,λ95.00000°. NP2:ϕ_s187.00000°,δ18.00000°,λ73.00000°. $M_0$1.01000×10^{17}

(507) Alabama

NEIC	**IV**	**21 10 25 42.5**	**32.83N**	**87.10W**	**13**	**3.8,3.3W**	**¶12638904**

NEIC Event type fe. Felt [IV] at Centreville and Leeds; [III] at Brent, Jacksons Gap, McCalla and Randolph; [II] at Alabaster, Alexander City, Auburn, Bessemer, Birmingham, Brierfield, Calera, Chelsea, Clanton, Columbiana, Cullman, Dadeville, Gardendale, Goodwater, Helena, Jemison, Lake View, Maylene, Montevallo, Northport, Opelika, Pelham, Prattville, Shelby, Sylacauga, Thorsby, Tuscaloosa, Valley, West Blocton, Wetumpka and Woodstock. Felt in much of northern and central Alabama from Florence and Huntsville to Selma and from Northport to Phenix City. Felt [II] at Douglasville, Georgia. Also felt at Buford, Cataula, Fortson, Hamilton, LaGrange, Lawrenceville, Marietta and Winston. Felt at Nashville and Smithville, Tennessee. After CERI. Moment Tensor Solution. $M_0$1.30000×10^{14}

(236) Shikoku

ISC	**IV**	**21 11 43 39.5–.71**	**33.26N–.05**	**132.41E–.04**	**41**	**4.0b**	**29**	**0-83**
NIED	IV	21 11 43 00	33.30N	132.40E	32	3.9W		¶12638907
ISCJB	IV	21 11 43 38.5–.40	33.29N–.04	132.39E–.04	41	3.8b,3.1s		
JMA	IV	21 11 43 39.3	33.30N	132.39E	39	4.0,3.1s		
IDC	IV	21 11 43 40.9–2.1	33.29N	132.37E	55–20	3.8,3.7L		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ54.00000°,λ-128.00000°. NP2:ϕ_s224.00000°,δ50.00000°,λ-49.00000°. $M_0$9.16000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.2km az=170.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s343.00000°,δ70.00000°,λ-108.00000°. NP2:ϕ_s207.00000°,δ27.00000°,λ-50.00000°. Principal axes: T Plg23.0000°,Azm87.0000°; N Plg17.0000°,Azm350.0000°; P Plg61.0000° ,Azm227.0000°
IDC Error ellipse: s-maj=18.7km s-min=12.9km az=106.0.

(246) Southwestern Ryukyu Islands

ISC	**IV**	**21 16 23 18.1–1.7**	**25.12N–.06**	**125.19E–.04**	**13–12**	**3.5b**	**25**	**0-72**
ISCJB	IV	21 16 23 16.8–1.4	25.22N–.06	125.16E–.05	7–10	3.6b		¶12935854
IDC	IV	21 16 23 18.7–1.0	25.55N	124.97E	0	3.7,3.6		
JMA	IV	21 16 23 18.7–.10	24.78N	125.42E	46–1	3.3,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=4.3km az=145.1.
IDC Error ellipse: s-maj=49.7km s-min=20.7km az=70.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

(207) Eastern New Guinea region

ISC	**IV**	**21 16 32 17.9–.35**	**6.12S–.04**	**147.20E–.05**	**69–2**	**4.8b**	**228**	**3-154**
MOS	IV	21 16 32 12.6–1.0	5.95S	147.02E	33	5.0b		¶12638917
NEIC	IV	21 16 32 14.7–.21	5.97S	147.09E	41	4.8b		
ISCJB	IV	21 16 32 14.7–.99	6.03S–.04	147.15E–.04	55–9	4.8b,4.1s		
BJI	IV	21 16 32 15.1	6.29S	147.31E	77	5.2b,5.0s		
IDC	IV	21 16 32 15.3–.54	6.04S	147.06E	44–5	4.6,4.6		
GCMT	IV	21 16 32 19.3–.30	6.09S	147.21E	44–0	5.0W,4.6		
DJA	IV	21 16 32 21.9–1.4	6S–9.0	147E–11	51–10	5.5b,5.5		

ISC Event type fe.
NEIC Event type fe. Felt at Bulolo and Lae.
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s43,c55; s48,c68; Moment tensor: Scale 10^{16}Nm; M_{rr}3.54±.16 $M_{\theta\theta}$-3.52±.10; $M_{\phi\phi}$-0.02±.12; $M_{r\theta}$0.17±.09; $M_{\theta\phi}$1.28±.08; $M_{\phi r}$-0.64±.11; Best double couple: NP1:ϕ_s278.00000°,δ43.00000°,λ76.00000°. NP2:ϕ_s118.00000°,δ49.00000°,λ103.00000°. Principal axes: T 3.6500,Plg80.0000° ,Azm93.0000°; N 0.3100,Plg10.0000°,Azm289.0000°; P -3.9600,Plg3.0000°,Azm198.0000° $M_0$3.80000×10^{16}

(460) Wyoming

ISC	**IV**	**21 18 08 08.9–.60**	**43.72N–.02**	**105.28W–.02**	**0**		**158**	**0-90**
IDC	IV	21 18 08 07.4–1.7	43.51N	105.31W	0	3.8b,3.5		¶12935851
ISCJB	IV	21 18 08 08.5–.20	43.73N–.01	105.29W–.02	0	3.8b,3.5		
NEIC	IV	21 18 08 09.1–.39	43.74N	105.25W	0	3.3L,3.5		

ISC Event type fm.
IDC Error ellipse: s-maj=46.1km s-min=8.5km az=149.0.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=1.8km az=159.9.
NEIC Event type fm. Error ellipse: s-maj=6.1km s-min=4.8km az=148.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(248) Philippine Islands region

ISC	**IV**	**21 18 47 38.1–.37**	**12.32N–.03**	**126.33E–.04**	**41–2**	**4.9b,4.1s**	**360**	**2-148**
BJI	IV	21 18 47 32.9	11.74N	126.41E	40	5.0b,4.8b		¶13438970
IDC	IV	21 18 47 32.0–.47	12.29N	126.34E	0	4.8,4.8		
MOS	IV	21 18 47 35.2–.99	12.28N	126.34E	33	5.3b,4.8		
ISCJB	IV	21 18 47 35.8–.98	12.38N–.02	126.32E–.03	33–6	4.9b,4.1s		
NEIC	IV	21 18 47 36.9–2.7	12.27N	126.29E	33–19	4.9b,4.1s		
GCMT	IV	21 18 47 36.5–.20	12.46N	126.31E	17–0	5.1W,4.1s		
TEH	IV	21 18 47 37.0	12.25N	126.25E	28	5.0L,4.1s		
DJA	IV	21 18 47 37.3–1.7	13N–12	127E–9.0	51–17	5.3b,5.0b		
MAN	IV	21 18 47 37	12.36N	126.13E	56	5.6b,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.1km s-min=11.6km az=85.0.
MOS Error ellipse: s-maj=10.6km s-min=5.5km az=118.5.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=168.9.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.8km az=74.0.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s28,c32; s72,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.01±.27 $M_{\theta\theta}$0.17±.14; $M_{\phi\phi}$4.84±.19; $M_{r\theta}$1.02±.39; $M_{\theta\phi}$-1.28±.10; $M_{\phi r}$-0.45±.34; Best double couple: NP1:ϕ_s175.00000°,δ42.00000°,λ-75.00000°. NP2:ϕ_s336.00000°,δ50.00000°,λ-103.00000°. Principal axes: T 5.2200,Plg4.0000° ,Azm75.0000°; N -0.0100,Plg10.0000°,Azm344.0000°; P -5.2100,Plg79.0000° ,Azm187.0000° $M_0$5.20000×10^{16}
MAN Event type fe. INTENSITY II - CAN-AVID EASTERN SAMAR.

(78) Costa Rica

ISC	**IV**	**22 00 55 10.6–1.3**	**9.55N–.05**	**84.37W–.04**	**13–7**	**4.3b,3.7s**	**179**	**0-128**
IDC	IV	22 00 55 08.8–.61	9.70N	84.31W	0	4.2,4.2		¶12742295
CASC	IV	22 00 55 09.1–12	9.29N	84.86W	0–30	4.5b,4.2		
NEIC	IV	22 00 55 14.8–.73	9.65N	84.37W	39–7	4.5b,4.2		

ISC Event type fe.
IDC Error ellipse: s-maj=23.1km s-min=11.0km az=46.0.
CASC Error ellipse: s-maj=32.0km s-min=35.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=13.6km s-min=6.4km az=49.0. Felt at Jaco, Parrita and San Ramon.

(613) Hawaiian Islands

ISC	**IV**	**22 02 58 10.9–.65**	**19.5N–.10**	**155.21W–.07**	**10–4**	**4.1b**	**37**	**0-140**
BJI	IV	22 02 58 07.0	19.56N	154.91W	9	5.3b,4.9b		¶12742296
NEIC	IV	22 02 58 09.0	19.33N	155.11W	9	4.2b,4.2L		
IDC	IV	22 02 58 10.8–1.3	19.66N	155.24W	0	4.1,3.9		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Papa'ikou; [III] at Hilo, Kea'au, Mountain View, Pahoa, Pepeekeo and Volcano; [II] at Hawaii National Park, Kurtistown and Waikoloa. Also felt at Hakalau, Honoka'a, Honomu, Laupahoehoe, Ninole, Papa'aloa and Waimea. A small landslide occurred in the epicentral area. After HVO.
IDC Error ellipse: s-maj=43.4km s-min=21.6km az=160.0.

(135) Near coast of central Chile

GUC	**IV**	**22 10 05 47.3–.38**	**31.14S**	**71.19W**	**66–1**	**4.0,3.9L**	
NEIC	IV	22 10 05 47.3	31.14S	71.19W	66	4.0,3.9L	¶14470519

GUC Error ellipse: s-maj=0.7km s-min=3.8km az=-1.0.
NEIC Event type fe. Felt [II] at Illapel. After GUC.

(235) Kyushu

ISC	**IV**	**22 11 24 11.9–.36**	**30.13N–.03**	**131.12E–.04**	**26–1**	**4.9b,4.4s**	**342**	**1-117**
NIED	IV	22 11 24 00	30.10N	131.30E	26	4.9W,4.4s		¶13438987
BJI	IV	22 11 24 08.4	29.88N	131.50E	38	4.9b,4.8s		
JMA	IV	22 11 24 11.0–.10	30.06N	131.32E	37–2	4.8,4.8s		
ISCJB	IV	22 11 24 12.9–.48	30.15N–.03	131.01E–.03	46–3	4.8b,4.4s		
NEIC	IV	22 11 24 12.1–.19	30.12N	131.00E	27	4.9b,4.9W		
MOS	IV	22 11 24 12.3–.90	30.36N	130.97E	33	5.0b,4.2s		
IDC	IV	22 11 24 13.4–2.5	30.14N	131.05E	40–21	4.5,4.4		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ65.00000°,λ75.00000°. NP2:ϕ_s230.00000°,δ29.00000°,λ119.00000°. $M_0$2.71000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.0km az=41.4.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.4km az=155.0. Recorded [2 JMA] on Tanega-shima and [1 JMA] on Yaku-shima. Also recorded [1 JMA] in Kagoshima, Kyushu. Moment Tensor Solution. $M_0$2.70000×10^{16}
MOS Error ellipse: s-maj=8.9km s-min=5.3km az=110.9.
IDC Error ellipse: s-maj=13.8km s-min=13.0km az=52.0.

(235) Kyushu

ISC	**IV**	**22 11 31 55.6–1.2**	**30.05N–.06**	**131.27E–.07**	**31–7**	**4.0b**	**61**	**1-89**
NEIC	IV	22 11 31 55.4	30.05N	131.32E	34	4.3b		¶12935959
JMA	IV	22 11 31 55.3–.20	30.05N	131.32E	33–2	4.0		
ISCJB	IV	22 11 31 56.3–.71	30.08N–.04	131.29E–.05	50–5	4.0b		
IDC	IV	22 11 31 59.7–2.1	30.21N	131.26E	62–18	3.8,3.7		
NIED	IV	22 11 32 00	30.00N	131.30E	23	4.2W,3.7		

ISC Event type fe.
NEIC Event type fe. Recorded [1 JMA] on Tanega-shima. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.7km az=39.1.
IDC Error ellipse: s-maj=17.8km s-min=14.1km az=61.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ64.00000°,λ76.00000°. NP2:ϕ_s239.00000°,δ29.00000°,λ117.00000°. $M_0$2.37000×10^{15}

(145) Southern Chile-Argentina border region

ISC	**IV**	**23 02 11 23.5–.87**	**37.53S–.04**	**72.06W–.09**	**90–10**	**3.6b**	**38**	**1-159**
ISCJB	IV	23 02 11 22.5–.47	37.55S–.03	72.0W–.10	91–9	3.5b		¶12936035
NEIC	IV	23 02 11 22.7	37.56S	71.98W	93	4.2		
GUC	IV	23 02 11 22.7–.45	37.56S	71.98W	93–5	4.2L		
IDC	IV	23 02 11 25.2–3.5	37.48S	71.58W	90–21	3.5,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=15.6km s-min=4.9km az=11.5.
NEIC Event type fe. Felt [III] at Cabrero and Los Angeles and [II] at Mulchen. After GUC.
GUC Error ellipse: s-maj=1.2km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=80.7km s-min=18.4km az=96.0.

(218) Near east coast of Kamchatka Peninsula

ISC	**IV**	**23 02 11 42.8–.25**	**55.75N–.03**	**161.26E–.02**	**140–1**	**5.0b**	**1526**	**0-164**
BJI	IV	23 02 11 40.1	55.78N	161.08E	134	5.1b,4.9b		¶13439005
BGS	IV	23 02 11 41.3–1.6	55.28N	158.34E	137	5.0b,4.9b		
MOS	IV	23 02 11 41.5–.83	55.85N	161.08E	137	5.0b,4.9b		
SZGRF	IV	23 02 11 41.6	55.43N	161.68E	153	5.4b,4.9b		
ISCJB	IV	23 02 11 42.9–.14	55.79N–.02	161.10E–.02	153–1	4.9b,4.9b		
IDC	IV	23 02 11 43.6–.50	55.90N	161.04E	142–4	4.8,4.8		
NEIC	IV	23 02 11 43.1–.47	55.86N	161.07E	137–4	5.0b,4.8		
KRSC	IV	23 02 11 44.6–.50	55.64N	161.41E	130–20	5.2L,4.8		
GCMT	IV	23 02 11 47.3–.20	55.83N	161.53E	148–1	5.2W,4.8		
DJA	IV	23 02 11 50.9–4.9	56N–9.0	161E–17	206–44	5.6b,5.1		

ISC Event type fe.
MOS Event type fe. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
ISCJB Event type fe.
NEIC Event type se.
KRSC Event type se.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s61,c79; s94,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}3.40±.18 $M_{\theta\theta}$-1.67±.23; $M_{\phi\phi}$-1.73±.23; $M_{r\theta}$-0.21±.15; $M_{\theta\phi}$2.34±.19; $M_{\phi r}$6.24±.14; Best double couple: NP1:ϕ_s113.00000°,δ23.00000°,λ36.00000°. NP2:ϕ_s349.00000°,δ77.00000°,λ109.00000°. Principal axes: T 7.7200,Plg54.0000° ,Azm282.0000°; N -0.9600,Plg18.0000°,Azm165.0000°; P -6.7600,Plg29.0000° ,Azm64.0000° $M_0$7.20000×10^{16}

(116) Central Peru

ISC	**IV**	**23 06 44 03.9–.43**	**9.25S–.05**	**74.62W–.07**	**10**	**4.1b**	**72**	**3-146**
ISCJB	IV	23 06 44 01.9–.38	9.16S–.05	74.66W–.06	10	4.1b		¶12742303
IDC	IV	23 06 44 04.6–.70	9.15S	74.66W	19–4	4.2,4.1		
NEIC	IV	23 06 44 05.0–.29	9.23S	74.71W	21	4.4b,4.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=6.6km az=164.8.
IDC Error ellipse: s-maj=23.4km s-min=12.6km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.7km az=56.0. Felt [II] at Puerto Inca.

(263) Talaud Islands

ISC	**IV**	**23 12 16 20.9–.43**	**4.39N–.03**	**126.84E–.04**	**66–3**	**5.2b**	**563**	**3-169**
IDC	IV	23 12 16 12.3–.35	4.45N	126.81E	0	5.5L,5.0		¶15153913

MOS	IV	23 12 16 15.7–1.0	4.46N	126.81E	33	5.5b,4.6s		
BJI	IV	23 12 16 16.2	3.85N	126.80E	74	5.2b,5.0b		
NEIC	IV	23 12 16 19.3–.82	4.42N	126.82E	52–7	5.2b,5.0b		
AUST	IV	23 12 16 20.1–.17	4.42N	126.95E	58–0	5.2b,5.0b		
GCMT	IV	23 12 16 20.1–.10	4.48N	126.94E	26–0	5.5W,5.0b		
ISCJB	IV	23 12 16 20.4–.38	4.38N–.02	126.89E–.02	77–3	5.1b,5.0b		
DJA	IV	23 12 16 21.9–.30	4N–2.0	127E–2.0	62–3	5.8,5.7		
TEH	IV	23 12 16 22.0	4.33N	126.74E	75	5.4L,5.7		
MAN	IV	23 12 16 23	4.50N	126.67E	31	5.8b,5.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=9.2km az=77.0.
MOS Error ellipse: s-maj=9.5km s-min=5.1km az=111.3.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.2km az=76.0. Felt [IV] at Beo and [III] at Melonguanne.
AUST Error ellipse: s-maj=0.8km s-min=0.5km az=226.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s77,c115; s88,c155; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.02 $M_{\theta\theta}$0.11±.02; $M_{\phi\phi}$-0.09±.02; $M_{r\theta}$-0.29±.03; $M_{\theta\phi}$-0.27±.01; $M_{\phi r}$2.45±.06; Best double couple: NP1:ϕ_s263.00000°,δ7.00000°,λ180.00000°. NP2:ϕ_s353.00000°,δ90.00000°,λ83.00000°. Principal axes: T 2.4600,Plg45.0000° ,Azm256.0000°; N 0.0400,Plg7.0000°,Azm353.0000°; P -2.5000,Plg45.0000°,Azm90.0000° M_o2.50000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=160.7.

(121) Off coast of northern Chile

ISC	**IV**	**23 14 00 26.7–2.9**	**25.72S–.06**	**71.2W–.30**	**12–13**		**29**	**1-150**
IDC	IV	23 14 00 26.5–3.0	25.95S	70.43W	0	4.2b,3.8		**¶12936012**
GUC	IV	23 14 00 30.6–.45	25.90S	71.44W	43–9	4.1L,3.8		
NEIC	IV	23 14 00 30.6	25.90S	71.44W	43	4.1,3.8		

ISC Event type fe.
IDC Error ellipse: s-maj=104.4km s-min=64.7km az=84.0.
GUC Error ellipse: s-maj=3.2km s-min=16.8km az=-1.0.
NEIC Event type fe. Felt [III] at Taltal. After GUC.

(381) Central Italy

ISC	**IV**	**23 15 14 09.6–.48**	**42.27N–.01**	**13.45E–.01**	**11–3**	**4.0b**	**480**	**0-88**
NEIC	IV	23 15 14 08.0	42.25N	13.49E	10	4.1W,4.1L		**¶12669138**
ISCJB	IV	23 15 14 08.3–.22	42.27N–.01	13.43E–.02	8–1	4.0b,3.1s		
ROM	IV	23 15 14 08.3–.07	42.25N	13.48E	10–0	4.0L,3.1s		
LDG	IV	23 15 14 08.9–.11	42.26N	13.47E	2	3.8L,3.1s		
BEO	IV	23 15 14 09.6–.89	42.11N	13.45E	0	3.9L,3.1s		
PDG	IV	23 15 14 09.2–.70	42.26N	13.49E	4–0	3.7L,3.1s		
CSEM	IV	23 15 14 09.2–.09	42.25N	13.42E	2	4.5L,4.2b		
IDC	IV	23 15 14 09.1–.82	42.39N	13.35E	0	3.9,3.8L		
MOS	IV	23 15 14 09.7–1.0	42.42N	13.43E	10	4.0b,3.8L		
SZGRF	IV	23 15 14 09.0	41.95N	13.77E	10	4.0b,3.8L		
PRU	IV	23 15 14 11.8	42.38N	13.48E	0	3.7,3.8L		
STR	IV	23 15 14 18.1–1.2	42.75N	13.00E	5	3.8L,3.8L		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Aielli, Cerchio, L'Aquila and Popoli; [III] at Avezzano, Celano, Pescina, Scoppito, Sulmona and Teramo. Felt [II] throughout Abruzzo and in parts of Lazio, Marche, Molise and Umbria. After ROM. Moment Tensor Solution. M_o2.00000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=33.9.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=43.0.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=38.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=25.0.
IDC Error ellipse: s-maj=15.4km s-min=12.6km az=114.0.
MOS Error ellipse: s-maj=6.1km s-min=3.6km az=89.0.
SZGRF Southern Italy.
STR Event type ke.

(238) Ryukyu Islands

ISC	**IV**	**23 19 19 27.2–.65**	**28.03N–.03**	**130.15E–.04**	**25–4**	**4.7b,4.1s**	**81**	**0-87**
NIED	IV	23 19 19 00	27.90N	130.20E	20	4.5W,4.1s		**¶13439030**
IDC	IV	23 19 19 24.6–.66	28.16N	130.02E	0	4.3,4.2		
JMA	IV	23 19 19 26.0–.20	28.00N	130.24E	34–2	4.4,4.2		
ISCJB	IV	23 19 19 26.6–.76	28.00N–.03	130.17E–.04	26–4	4.5b,4.1s		
BJI	IV	23 19 19 26.6	27.96N	129.84E	23	4.6b,4.4s		
SZGRF	IV	23 19 20 14.7	34.01N	123.65E	33	5.0b,4.4s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ57.00000°,λ96.00000°. NP2:ϕ_s197.00000°,δ33.00000°,λ80.00000°. M_o6.16000×10^{15}
IDC Error ellipse: s-maj=20.4km s-min=16.3km az=99.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.7km az=32.4.
SZGRF Yellow Sea.

(381) Central Italy

ISC	**IV**	**23 21 49 02.1–.74**	**42.25N–.01**	**13.47E–.01**	**9–4**	**4.1b,3.5s**	**727**	**0-87**
SZGRF	IV	23 21 48 57.8	41.70N	13.89E	10	4.1b,3.5s		**¶12692485**
NEIC	IV	23 21 49 00.0	42.23N	13.48E	9	4.3W,4.2b		
ROM	IV	23 21 49 00.8–.09	42.23N	13.49E	10–1	4.2L,4.2b		
ISCJB	IV	23 21 49 00.7–.19	42.26N–.01	13.46E–.01	9–1	4.0b,3.4s		
LDG	IV	23 21 49 01.0–.10	42.22N	13.48E	2	3.9L,3.4s		
CSEM	IV	23 21 49 01.8–.10	42.27N	13.45E	2	4.6L,4.3W		
MOS	IV	23 21 49 01.9–.95	42.38N	13.48E	10	4.5b,4.3W		
IDC	IV	23 21 49 01.2–.79	42.33N	13.28E	0	4.0,4.0		
PDG	IV	23 21 49 02.3–.32	42.32N	13.56E	11–0	4.1L,4.0		
PRU	IV	23 21 49 03.4	42.31N	13.54E	0	4.2,4.0		
BEO	IV	23 21 49 03.3–.87	42.27N	13.56E	0	4.2L,4.0		
STR	IV	23 21 49 13.5–1.2	42.75N	12.75E	10	3.9L,4.0		

ISC Event type fe.
SZGRF Southern Italy.
NEIC Event type fe. Felt [IV] at L'Aquila, Pescara and Trasacco; [III] at Aielli, Avezzano, Borgorose, Celano, Cepagatti, Chieti Scalo, Introdacqua, Loreto Aprutino, Luco dei Marsi, Magliano de' Marsi, Manoppello, Pacentro, Pettorano sul Gizio, Popoli, Pratola Peligna, Raiano, San Benedetto dei Marsi, San Demetrio ne' Vestini, San Flaviano, Scanno, Secinaro, Sulmona and Vittorito. Felt [II] throughout Abruzzo and in parts of Lazio, Marche, Molise and Umbria. After ROM. Moment Tensor Solution. M_o3.90000×10^{15}
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=32.0.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=14.0.
MOS Error ellipse: s-maj=5.1km s-min=3.3km az=81.0.
IDC Error ellipse: s-maj=12.9km s-min=12.3km az=45.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.2km az=0.0.
BEO Event type ke.
STR Event type ke.

(257) Negros

MAN	**IV**	**23 23 18 05**	**9.24N**	**123.27E**	**22**	**4.5b,3.3L**		**¶14717412**

MAN Event type fe. INTENSITY II - VALENCIA NEGROS ORIENTAL.

(43) Southern California

ISC	**IV**	**23 23 56 22.3–1.1**	**33.88N–.02**	**117.80W–.02**	**2–9**		**75**	**0-36**
ISCJB	IV	23 23 56 21.6–.45	33.86N–.02	117.81W–.02	4–3	3.1b		**¶12935991**
NEIC	IV	23 23 56 23.1	33.89N	117.79W	5	3.6W		
IDC	IV	23 23 56 24.9–2.1	33.89N	117.58W	6–12	3.4,3.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=40.2.
NEIC Event type fe. Felt [V] at Yorba Linda; [IV] at Anaheim, Brea and Placentia; [III] at Fullerton, Los Angeles, Orange, Santa Ana and Villa Park. Felt from Glendora to Aliso Viejo and as far east as Riverside. After PAS. Moment Tensor Solution. M_o2.70000×10^{14}
IDC Error ellipse: s-maj=21.8km s-min=8.6km az=50.0.

(43) Southern California

ISC	**IV**	**24 03 27 50.8–.63**	**33.87N–.02**	**117.78W–.02**	**10**	**3.3b**	**121**	**0-36**
ISCJB	IV	24 03 27 50.0–.24	33.88N–.02	117.80W–.02	10	3.4s,3.3b		**¶12936108**
NEIC	IV	24 03 27 50.7	33.89N	117.79W	4	3.8W,3.3b		
IDC	IV	24 03 27 52.1–1.8	33.85N	117.58W	0	3.6,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=35.5.
NEIC Event type fe. Felt [V] at Brea and Yorba Linda; [IV] at Anaheim and Placentia; [III] at Chino Hills, Corona, Diamond Bar, Fullerton, Garden Grove, La Habra, Orange, Rowland Heights, Santa Ana, Seal Beach and Villa Park. Felt from Glendora to San Clemente and as far east as San Jacinto. Also felt in parts of San Diego and Ventura Counties. After PAS. Moment Tensor Solution. M_o5.90000×10^{14}
IDC Error ellipse: s-maj=25.4km s-min=8.0km az=44.0.

(228) Near east coast of eastern Honshu

ISC	**IV**	**24 06 03 38.1–1.1**	**36.20N–.03**	**140.95E–.06**	**31–8**	**3.5b**	**23**	**0-65**
NIED	IV	24 06 03 00	36.20N	140.90E	53	3.9W		**¶12936100**
ISCJB	IV	24 06 03 37.5–.78	36.17N–.03	141.00E–.06	33–5	3.4b		
JMA	IV	24 06 03 38.5–.10	36.12N	140.88E	43–1	3.5		
IDC	IV	24 06 03 49.9–1.6	35.51N	139.38E	94–15	3.3,3.2		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s245.00000°,δ79.00000°,λ154.00000°. NP2:ϕ_s341.00000°,δ65.00000°,λ12.00000°. M_o6.80000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.2km az=173.9.
JMA Event type fe.
IDC Error ellipse: s-maj=27.5km s-min=15.9km az=78.0.

(249) Luzon

ISC	**IV**	**24 10 55 49.5–.28**	**19.02N–.02**	**121.33E–.03**	**41–2**	**4.7b,4.2s**	**338**	**1-171**
MOS	IV	24 10 55 46.1–.92	18.93N	121.38E	33	5.0b,4.4s		**¶15153931**
BJI	IV	24 10 55 46.4	19.14N	121.34E	13	4.9b,4.6b		
NEIC	IV	24 10 55 48.2–.20	18.95N	121.36E	32	4.9b,4.6b		
IDC	IV	24 10 55 48.9–2.3	18.93N	121.43E	40–19	4.4,4.4		
ISCJB	IV	24 10 55 49.6–.42	19.08N–.02	121.29E–.03	54–4	4.7b,4.2s		
GCMT	IV	24 10 55 52.6–.30	19.20N	121.01E	46–1	5.0W,4.2s		
MAN	IV	24 10 55 54	18.58N	121.15E	3	5.4b,4.8s		
DJA	IV	24 10 56 05.7–.80	19N–6.0	121E–7.0	174–14	5.1b,4.9		

ISC Event type fe.
NEIC Event type fe. Felt [IV PIVS] at Sanchez Mira and [III PIVS] at Aparri and San Antonio.
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c56; s63,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}3.59±.20 $M_{\theta\theta}$0.08±.15; $M_{\phi\phi}$-3.67±.16; $M_{r\theta}$-0.55±.10; $M_{\theta\phi}$-2.24±.09; $M_{\phi r}$-1.85±.13; Best double couple: NP1:ϕ_s31.00000°,δ33.00000°,λ100.00000°. NP2:ϕ_s200.00000°,δ58.00000°,λ84.00000°. Principal axes: T 4.0300,Plg77.0000° ,Azm91.0000°; N 1.1000,Plg5.0000°,Azm203.0000°; P -5.1300,Plg12.0000°,Azm294.0000° M_o4.60000×10^{16}
MAN Event type fe. INTENSITY IV - SANCHEZ MIRA CAGAYAN; INTENSITY III - BGY SAN ANTONIO APARRI CAGAYAN.

(228) Near east coast of eastern Honshu

ISC	**IV**	**24 14 37 23.1–.97**	**38.14N–.06**	**142.2E–.10**	**36–5**	**3.7b**	**28**	**1-68**
NIED	IV	24 14 37 00	38.10N	142.20E	59	3.8W		**¶12936079**
ISCJB	IV	24 14 37 21.9–1.0	38.14N–.05	142.22E–.09	45–9	3.7b		
JMA	IV	24 14 37 22.5–.10	38.17N	142.18E	42–1	4.0		
IDC	IV	24 14 37 24.5–2.1	38.14N	142.18E	50–20	3.6,3.5L		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ76.00000°,λ103.00000°. NP2:ϕ_s166.00000°,δ19.00000°,λ48.00000°. M_o6.25000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=6.7km az=22.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=18.4km az=101.0.

(135) Near coast of central Chile

ISC	**IV**	**24 19 05 01.1–.88**	**33.92S–.03**	**71.45W–.04**	**51–8**	**3.9b**	**87**	**0-156**
ISCJB	IV	24 19 05 00.8–.47	33.94S–.03	71.41W–.06	66–4	3.9b		**¶12746757**
NEIC	IV	24 19 05 01.0	33.92S	71.40W	46	3.6b		
GUC	IV	24 19 05 01.6–.58	33.92S	71.41W	46–1	4.1L		
IDC	IV	24 19 05 06.0–2.4	33.74S	71.16W	91–20	3.8b,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.3km az=6.2.
NEIC Event type fe. Felt [III] at Rancagua and [II] at Cartagena, Casa Blanca, Melipilla, San Antonio, San Fernando and Santiago. After GUC.
GUC Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=30.7km s-min=14.6km az=95.0.

(381) Central Italy

ISC	**IV**	**24 22 51 29.8–.79**	**42.26N–.01**	**13.52E–.02**	**12–5**		**150**	**0-7**
CSEM	IV	24 22 51 29.7–.10	42.26N	13.51E	5	3.5L		**¶12692663**
ISCJB	IV	24 22 51 29.2–.23	42.26N–.01	13.51E–.03	13–2	3.5L		
NEIC	IV	24 22 51 29.0	42.27N	13.51E	11	3.0L		
ROM	IV	24 22 51 29.5–.09	42.27N	13.51E	11–1	3.0L		

ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.3km az=172.0.
NEIC Event type fe. Felt [II] at Avezzano, L'Aquila, Montorio al Vomano and Pratola Peligna. After ROM.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=60.0.

(135) Near coast of central Chile

GUC	**IV**	**25 13 17 06.5–.90**	**36.52S**	**72.96W**	**42–4**	**3.5L**		
NEIC	IV	25 13 17 06.0	36.52S	72.96W	42	3.5		**¶14471692**

GUC Error ellipse: s-maj=10.3km s-min=15.6km az=-1.0.
NEIC Event type fe. Felt [II] at Concepcion, San Pedro, Talcahuano and Tome. After GUC.

(228) Near east coast of eastern Honshu

ISC	**IV**	**25 13 54 30.6–.34**	**40.19N–.03**	**142.35E–.03**	**49–2**	**5.0b,4.2s**	**948**	**0-159**
NIED	IV	25 13 54 00	40.20N	142.40E	47	4.9W,4.2s		**¶13439082**
DJA	IV	25 13 54 23.1–1.4	40N–9.0	143E–23	10	5.3b,5.1		
BJI	IV	25 13 54 27.2	40.15N	142.46E	50	5.2b,5.0b		
MOS	IV	25 13 54 28.1–.85	40.31N	142.27E	33	5.3b,5.0b		
JMA	IV	25 13 54 29.7–.10	40.16N	142.38E	37–1	5.0,5.0b		
ISCJB	IV	25 13 54 30.1–.26	40.26N–.02	142.23E–.02	51–2	5.0b,4.2s		
NEIC	IV	25 13 54 31.6–.22	40.24N	142.25E	56	5.0b,4.8W		
IDC	IV	25 13 54 31.6–1.6	40.16N	142.33E	57–13	4.7,4.7		
TEH	IV	25 13 54 32.0	40.30N	142.18E	51	5.0L,4.7		
SZGRF	IV	25 13 54 34.8	41.15N	142.99E	45	4.9b,4.1s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ81.00000°,λ99.00000°. NP2:ϕ_s163.00000°,δ13.00000°,λ46.00000°. M_o2.27000×10^{16}
MOS Error ellipse: s-maj=7.2km s-min=3.9km az=106.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s40.00000°,δ67.00000°,λ105.00000°. NP2:ϕ_s185.00000°,δ28.00000°,λ58.00000°. Principal axes: T Plg65.0000°,Azm336.0000°; N Plg14.0000°,Azm213.0000°; P Plg20.0000° ,Azm118.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=153.4.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.0km az=159.0. Felt [III] at Misawa. Also felt at Hachinohe. Recorded [3 JMA] in Aomori and Iwate and [2 JMA] in Akita and Miyagi. Also recorded [2 JMA] in southwestern and [1 JMA] in southern Hokkaido. Moment Tensor Solution. M_o2.30000×10^{16}
IDC Error ellipse: s-maj=13.0km s-min=10.1km az=110.0.
SZGRF Hokkaido, Japan, region.

(317) Northeastern India

ISC	**IV**	**25 14 29 28.7–.47**	**26.08N–.06**	**91.45E–.05**	**42**	**4.1b**	**82**	**1-89**
IDC	IV	25 14 29 23.0–.75	26.17N	91.47E	0	4.2,4.1		**¶13439084**
ISCJB	IV	25 14 29 27.0–.33	26.12N–.04	91.46E–.03	42	4.1b,3.0s		
DMN	IV	25 14 29 27.4–.34	25.89N	91.68E	60	4.8L,3.0s		
NEIC	IV	25 14 29 28.1–.88	26.11N	91.45E	38–9	4.4b,3.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=25.9km s-min=14.4km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.4km az=16.6.
DMN Event type ke. Error ellipse: s-maj=33.8km s-min=6.2km az=19.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=5.8km az=56.0. Felt at Guwahati.

(249) Luzon

MAN	**IV**	**25 15 24 51**	**18.52N**	**120.65E**	**25**	**4.5b,3.4s**		**¶14717428**

MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE; LAOAG CITY.

(358) Romania

ISC	**IV**	**25 17 18 48.9–.17**	**45.70N–.02**	**26.54E–.02**	**102–1**	**5.3b**	**2764**	**0-153**
SFS	IV	25 17 18 19.0	45.87N	29.47E	0	5.3b		**¶13439087**
PRU	IV	25 17 18 32.6	45.54N	28.13E	0	5.3		
BJI	IV	25 17 18 46.0	45.70N	26.40E	96	5.6b,5.3b		
SZGRF	IV	25 17 18 46.8	45.95N	26.94E	33	5.6b,5.3b		
MOS	IV	25 17 18 47.4–1.1	45.72N	26.58E	100	5.5b,5.3b		
ISCJB	IV	25 17 18 47.5–.10	45.648N–.01	26.54E–.01	101–1	5.3b,5.3b		
TEH	IV	25 17 18 48.0	45.69N	26.55E	96	5.3L,5.3b		
IDC	IV	25 17 18 48.7–.28	45.73N	26.45E	100–2	5.1,5.1		
CSEM	IV	25 17 18 48.6–.04	45.69N	26.56E	103	5.3b,5.2W		
PDA	IV	25 17 18 48.5	45.68N	26.53E	101	5.3b,5.2W		
BUC	IV	25 17 18 48.0–.63	45.68N	26.62E	110–7	5.7,5.2W		
PDG	IV	25 17 18 48.6–.47	45.61N	26.52E	95–1	5.3,5.2L		

NEIC IV 25 17 18 48.6 45.65N 26.61E 101 5.3b,5.2W
DJA IV 25 17 18 49.1–2.6 46N–11 26E–15 97–18 5.6b,5.2b
GCMT IV 25 17 18 50.8–.20 45.59N 26.71E 107–1 5.2W,5.2b
BEO IV 25 17 18 50.6–.85 45.52N 26.04E 0 5.4L,5.2b
ISC Event type fe.
SFS Event type ke.
SZGRF Romania.
MOS Event type fe. Error ellipse: s-maj=3.6km s-min=2.6km az=37.0. Felt (V) at Kishinev. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=26.0.
IDC Error ellipse: s-maj=8.7km s-min=6.9km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=40.0.
BUC Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=334.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.1km az=0.0.
NEIC Event type fe. Felt [III] at Bucharest, Tulcea and Voluntari; [II] at Craiova, Slatina and Vaslui. Also felt at Adjud, Alexandria, Bucov, Caracal, Chiajna, Corbeanca, Gheorgheni, Giurgiu, Miercurea-Ciuc and Suceava. Felt [IV] at Shumen, Svishtov and Tutrakan; [III] at Belene, Isperikh, Levski, Lom, Pleven, Silistra, Varna, Veliko Turnovo and Vidin; [II] at Burgas, Sofia and Ruse, Bulgaria. Also felt at Dve Mogili, Gabrovo, Kozloduy, Razgrad, Sliven and Stara Zagora. Felt at Basarabeasca and Chisinau, Moldova; Bor, Serbia; Ismayil, Ukraine. After BUC. Moment Tensor Solution. s24 Moment tensor: Scale 10^{16}Nm; M_{rr}7.65 $M_{\theta\theta}$-6.52 $M_{\phi\phi}$-1.13 $M_{r\theta}$2.02 $M_{\theta\phi}$-0.95 $M_{\phi r}$-1.67 Best double couple: NP1:ϕ_s249.00000°,δ39.00000°,λ71.00000°. NP2:ϕ_s93.00000°,δ53.00000°,λ105.00000°. Principal axes: T 8.2700,Plg76.0000°,Azm52.0000°; N -1.3800,Plg11.0000°,Azm264.0000°; P -6.8900,Plg7.0000°,Azm172.0000° $M_0$7.70000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 100 sta. Moment Tensor Solution. s79,c109; s99,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}9.11±.15 $M_{\theta\theta}$-5.98±.20; $M_{\phi\phi}$-3.12±.19; $M_{r\theta}$0.91±.18; $M_{\theta\phi}$-2.69±.17; $M_{\phi r}$-1.44±.16; Best double couple: NP1:ϕ_s230.00000°,δ46.00000°,λ77.00000°. NP2:ϕ_s68.00000°,δ46.00000°,λ102.00000°. Principal axes: T 9.3800,Plg81.0000°,Azm58.0000°; N -1.7700,Plg9.0000°,Azm239.0000°; P -7.6000,Plg0.0000°,Azm149.0000° $M_0$8.50000×10^{16}
BEO Event type ke.

(460) Wyoming

ISC	**IV**	**25 18 23 33.3–.59**	**43.76N–.02**	**105.26W–.02**	**0**		**152**	**0-82**
IDC	IV	25 18 23 32.3–1.9	43.59N	105.27W	0	3.9b,3.8		**¶12936131**
ISCJB	IV	25 18 23 33.4–.18	43.76N–.01	105.27W–.02	0	4.0b,3.3s		
NEIC	IV	25 18 23 34.1–.40	43.82N	105.17W	0	3.4L,3.3s		

ISC Event type fm.
IDC Error ellipse: s-maj=48.7km s-min=9.1km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=1.8km az=158.2.
NEIC Event type fm. Error ellipse: s-maj=5.8km s-min=5.0km az=170.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(229) Off east coast of Honshu

ISC	**IV**	**26 03 56 42.6–.35**	**36.01N–.04**	**143.14E–.03**	**33–1**	**4.7b,3.9s**	**538**	**2-151**
IDC	IV	26 03 56 37.3–.44	35.94N	143.21E	0	4.6,4.6		**¶12697295**
BJI	IV	26 03 56 39.1	36.16N	143.44E	35	4.9b,4.7b		
ISCJB	IV	26 03 56 39.3–.85	36.10N–.03	143.04E–.02	14–5	4.6b,3.9s		
JMA	IV	26 03 56 41.3–.20	36.08N	143.00E	88	4.7,3.9s		
MOS	IV	26 03 56 41.0–.95	35.94N	143.10E	33	4.9b,3.9s		
NEIC	IV	26 03 56 42.7–.16	35.89N	143.12E	34	4.6b,4.4W		
SZGRF	IV	26 03 56 48.0	36.94N	143.23E	33	4.8b,4.4W		
NIED	IV	26 03 57 00	36.10N	143.00E	5	4.4W,4.4W		

ISC Event type fe.
IDC Error ellipse: s-maj=13.6km s-min=12.0km az=137.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.6km az=0.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=8.3km s-min=5.1km az=117.7.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.3km az=172.0. Recorded [1 JMA] in Tochigi. Moment Tensor Solution. $M_0$5.10000×10^{15}
SZGRF Off east coast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s163.00000°,δ59.00000°,λ-103.00000°. NP2:ϕ_s8.00000°,δ33.00000°,λ-69.00000°. $M_0$5.10000×10^{15}

(139) Mendoza Province

ISC	**IV**	**26 08 03 38.0–.25**	**32.89S–.03**	**69.40W–.04**	**132–2**	**5.0b**	**973**	**1-174**
BJI	IV	26 08 03 34.8	32.80S	69.30W	107	5.3b		**¶12697300**
ISCJB	IV	26 08 03 34.8–.30	32.76S–.03	69.23W–.04	109–2	5.0b		
MOS	IV	26 08 03 35.7–.91	32.81S	69.39W	118	5.0b		
GUC	IV	26 08 03 36.5–.54	32.84S	69.65W	138–5	5.6L		
NEIC	IV	26 08 03 36.5–.23	32.85S	69.34W	115–2	5.1,5.0b		
IDC	IV	26 08 03 38.2–.45	32.85S	69.31W	130–3	4.8,4.7		
GCMT	IV	26 08 03 40.5–.20	32.89S	69.49W	141–1	5.3W,4.7		
DJA	IV	26 08 04 00.2–9.6	33S–40	69W–28	298–83	5.8b,5.4		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Mendoza, [III] at San Martin and [II] at San Luis. Also felt at San Juan and San Rafael. Felt [IV] at Melipilla, Santiago and Talagante; [III] at Valparaiso and Vina del Mar, Chile. Also felt at Colina, Coquimbo, Limache, Rancagua and Salamanca.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s72,c108; s90,c162; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s145.00000°,δ49.00000°,λ169.00000°. NP2:ϕ_s242.00000°,δ82.00000°,λ42.00000°. Principal axes: T 1.3100,Plg34.0000°,Azm112.0000°; N -0.0400,Plg48.0000°,Azm251.0000°; P -1.2700,Plg22.0000°,Azm7.0000° $M_0$1.30000×10^{17}

(2) Southern Alaska

ISC	**IV**	**26 13 50 50.0–.72**	**61.15N–.02**	**149.16W–.03**	**30–6**	**3.8b**	**105**	**0-79**
IDC	IV	26 13 50 48.6–.83	61.09N	149.64W	34–5	3.7,3.6		**¶12936225**
NEIC	IV	26 13 50 50.3	61.18N	149.15W	23	3.9b,3.8L		

ISC Event type fe.
IDC Error ellipse: s-maj=16.1km s-min=9.7km az=24.0.
NEIC Event type fe. Felt [III] at Anchorage, Elmendorf AFB and Girdwood; [II] at Chugiak, Eagle River, Fort Richardson, Palmer and Wasilla. After AEIC.

(159) North Island

WEL	**IV**	**26 14 03 45.9–.10**	**37.81S**	**176.67E**	**2**	**3.6L**		**¶14211309**

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.

(99) Northern Colombia

ISC	**IV**	**26 16 41 30.6–.44**	**6.74N–.04**	**72.92W–.05**	**163–4**	**4.5b**	**468**	**1-154**
ISCJB	IV	26 16 41 30.3–.39	6.78N–.03	72.88W–.03	172–3	4.4b		**¶13439108**
IDC	IV	26 16 41 30.6–.62	6.73N	72.97W	160–6	4.2,4.1		
BJI	IV	26 16 41 30.4	6.70N	73.00W	164	4.2,4.1		
FUNV	IV	26 16 41 30.4	6.72N	73.16W	165	4.2W,4.1		
NEIC	IV	26 16 41 31.4–.21	6.69N	72.97W	168	4.6b,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.9km az=150.4.
IDC Error ellipse: s-maj=12.0km s-min=8.8km az=74.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.1km az=62.0. Felt at Bucaramanga and Piedecuesta.

(207) Eastern New Guinea region

ISC	**IV**	**26 18 11 04.3–.28**	**5.58S–.03**	**147.51E–.04**	**195–2**	**4.9b**	**396**	**4-154**
BJI	IV	26 18 10 57.6	5.89S	148.08E	188	5.0b,5.0b		**¶15153967**
MOS	IV	26 18 11 03.5–.81	5.50S	147.50E	199	5.0b,5.0b		
ISCJB	IV	26 18 11 03.5–.68	5.50S–.03	147.49E–.03	198–6	4.8b,5.0b		
NEIC	IV	26 18 11 05.8–.79	5.56S	147.52E	211–7	4.9b,5.0b		
AUST	IV	26 18 11 05.7–.22	5.58S	147.44E	203–0	4.9b,5.0b		
DJA	IV	26 18 11 05.6–.60	6S–5.0	147E–5.0	186–11	5.7,5.3b		
IDC	IV	26 18 11 07.2–1.8	5.57S	147.47E	218–17	4.8,4.8		
GCMT	IV	26 18 11 07.5–.20	5.61S	147.47E	192–1	5.3W,4.8		

ISC Event type fe.
MOS Error ellipse: s-maj=9.4km s-min=6.1km az=102.4.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.5km az=0.9.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=4.8km az=67.0. Felt at Bulolo.
AUST Error ellipse: s-maj=0.7km s-min=0.6km az=228.0.
IDC Error ellipse: s-maj=8.9km s-min=6.1km az=97.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c74; s95,c159; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s231.00000°,δ34.00000°,λ25.00000°. NP2:ϕ_s120.00000°,δ76.00000°,λ122.00000°. Principal axes: T 1.0800,Plg49.0000°,Azm64.0000°; N -0.0500,Plg31.0000°,Azm291.0000°; P -1.0300,Plg25.0000°,Azm185.0000° $M_0$1.10000×10^{17}

(259) Mindanao

MAN	**IV**	**26 22 57 10**	**9.83N**	**125.42E**	**39**	**4.3b,3.2L**		**¶14717435**

MAN Event type fe. INTENSITY II - SURIGAO CITY.

(716) Kyrgyzstan

ISC	**IV**	**26 23 54 12.4–.21**	**40.89N–.02**	**72.90E–.02**	**26–1**	**5.2b,4.6s**	**1026**	**2-152**
SZGRF	IV	26 23 54 03.3	40.15N	74.52E	29	5.1b,5.0s		**¶12749985**
PDG	IV	26 23 54 08.8	41.00N	72.90E	27	5.2b,5.0s		
LDG	IV	26 23 54 09.3–.14	40.66N	72.92E	33	5.2b,4.3s		
ISCJB	IV	26 23 54 10.8–.09	40.90N–.01	72.94E–.02	27	5.1b,4.6s		
BJI	IV	26 23 54 11.3	41.07N	73.08E	20	5.2L,5.1b		
MOS	IV	26 23 54 11.6–1.0	40.99N	72.87E	33	5.4b,4.7s		
NEIC	IV	26 23 54 12.6–.16	40.93N	72.90E	28	5.3b,4.7s		
IDC	IV	26 23 54 12.5–.34	40.94N	72.97E	27–2	4.9L,4.7		
TEH	IV	26 23 54 13.0	41.02N	72.98E	28	5.3L,4.7		
NNC	IV	26 23 54 14.5–2.7	41.28N	72.94E	17–14	5.5b,5.5		
GCMT	IV	26 23 54 15.8–.30	41.06N	72.62E	36–1	4.9W,5.5		
DJA	IV	26 23 54 16.3–1.7	41N–4.0	73E–4.0	28–14	5.9,5.9b		

ISC Event type fe.
SZGRF Kyrgyzstan-Xinjiang border region.
PDG Event type ke.
LDG Event type ke.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Jalal-Abad. Also felt at Bazar-Kurgan, Karakol and Khaydarkan. Felt [III] at Tashkent, Uzbekistan. Also felt at Andijon and Angren.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c47; s55,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}1.95±.14 $M_{\theta\theta}$-0.01±.10; $M_{\phi\phi}$-1.94±.10; $M_{r\theta}$-1.32±.11; $M_{\theta\phi}$-1.53±.07; $M_{\phi r}$-1.40±.10; Best double couple: NP1:ϕ_s11.00000°,δ28.00000°,λ63.00000°. NP2:ϕ_s221.00000°,δ65.00000°,λ103.00000°. Principal axes: T 2.7100,Plg67.0000°,Azm156.0000°; N 0.7300,Plg12.0000°,Azm35.0000°; P -3.4300,Plg19.0000°,Azm301.0000° $M_0$3.10000×10^{16}

(274) Southern Sumatera

ISC	**IV**	**27 09 33 40.1–.33**	**5.28S–.03**	**103.31E–.03**	**41–2**	**4.9b,3.8s**	**359**	**1-159**
IDC	IV	27 09 33 34.4–.37	5.13S	103.41E	0	4.8,4.8		**¶15153982**
MOS	IV	27 09 33 37.7–1.0	5.10S	103.40E	33	5.3b,4.8		
ISCJB	IV	27 09 33 37.6–.22	5.34S–.03	103.13E–.02	34	4.9b,3.9s		
BJI	IV	27 09 33 38.9	5.10S	103.40E	35	5.1b,5.0b		
NEIC	IV	27 09 33 39.5–.16	5.13S	103.45E	35	4.9b,5.0b		
AUST	IV	27 09 33 40.6	5.36S	103.43E	35	4.9b,5.0b		
DJA	IV	27 09 33 41.8–.50	5S–3.0	103E–2.0	23–5	5.9,5.2b		

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

(232) Western Honshu

JMA	**IV**	**27 09 54 22.1**	**35.57N**	**136.40E**	**12**	**2.7**		**¶15418412**

JMA Event type fe.

(59) Guerrero

ISC	**IV**	**27 16 46 27.5–.27**	**16.96N–.03**	**99.57W–.02**	**32–1**	**5.7b,5.5s**	**1732**	**1-168**
BJI	IV	27 16 46 25.3	16.40N	98.60W	35	5.9s,5.9b		**¶12704953**
MOS	IV	27 16 46 27.4–.83	17.14N	99.40W	33	5.9b,5.9b		
IDC	IV	27 16 46 27.9–.47	17.00N	99.38W	31–3	5.4,5.4		
MEX	IV	27 16 46 27.4–.65	16.88N	99.62W	6–5	5.7,5.4		
NEIC	IV	27 16 46 28.6–.14	17.03N	99.45W	35	5.8W,5.7b		
ISCJB	IV	27 16 46 28.5–.35	17.12N–.02	99.43W–.02	44–2	5.6b,5.5s		
SZGRF	IV	27 16 46 31.8	16.76N	98.43W	38	5.5b,5.5s		
TEH	IV	27 16 46 31.0	17.14N	99.36W	49	5.6L,5.5s		
CASC	IV	27 16 46 31.4–2.2	17.03N	99.45W	35	5.7b,5.3		
GCMT	IV	27 16 46 31.7–.10	17.06N	99.41W	32–0	5.8W,5.3		

ISC Event type fe.
MOS Error ellipse: s-maj=6.0km s-min=3.7km az=88.8.
IDC Error ellipse: s-maj=10.3km s-min=6.9km az=58.0.
MEX Error ellipse: s-maj=2.8km s-min=2.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=34.0. Felt [V] at Acapulco; [IV] at Ecatepec, Huixquilucan, Naucalpan and Tlalnepantla; [III] at Acahualco and Mexico; [II] at Cuernavaca, Leon, Puebla and Toluca. Also felt at Atizapan, Celaya, Cholula, Coyuca, Cuautlancingo, Huajuapan, Iguala, Ixtapaluca, Jiutepec, Lerma, Ocoyoacac, Orizaba, Temixco and Tlapa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s280.00000°,δ70.00000°,λ90.00000°. NP2:ϕ_s100.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm190.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm10.0000° Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}1.95 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$-1.06 $M_{r\theta}$-2.48 $M_{\theta\phi}$0.24 $M_{\phi r}$0.48 Best double couple: NP1:ϕ_s286.00000°,δ75.00000°,λ84.00000°. NP2:ϕ_s126.00000°,δ16.00000°,λ110.00000°. Principal axes: T 3.4100,Plg59.0000°,Azm187.0000°; N -0.9400,Plg5.0000°,Azm287.0000°; P -2.4700,Plg29.0000°,Azm20.0000° $M_0$3.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=1.9km az=34.9.
SZGRF Near coast of Guerrero, Mexico.
CASC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 94, comp=204, per= 50. Moment Tensor Solution. s97,c209; s68,c85; Moment tensor: Scale 10^{17}Nm; M_{rr}4.17±.06 $M_{\theta\theta}$-5.01±.05; $M_{\phi\phi}$0.84±.06; $M_{r\theta}$-4.97±.11; $M_{\theta\phi}$-0.50±.05; $M_{\phi r}$1.07±.10; Best double couple: NP1:ϕ_s69.00000°,δ23.00000°,λ62.00000°. NP2:ϕ_s279.00000°,δ69.00000°,λ101.00000°. Principal axes: T 6.5900,Plg64.0000°,Azm207.0000°; N 0.6000,Plg11.0000°,Azm95.0000°; P -7.1900,Plg24.0000°,Azm360.0000° $M_0$6.90000×10^{17}

(716) Kyrgyzstan

ISC	**IV**	**27 20 04 13.8–.27**	**42.92N–.03**	**72.41E–.02**	**12–1**	**5.2b,4.5s**	**832**	**1-152**
SZGRF	IV	27 20 04 08.8	41.69N	72.43E	33	5.2b,4.4s		**¶12704957**
LDG	IV	27 20 04 10.2–.12	42.78N	72.45E	10	5.2b,4.2s		
BJI	IV	27 20 04 10.8	43.06N	72.42E	6	5.2L,5.1b		
ISCJB	IV	27 20 04 11.3–.66	42.88N–.02	72.47E–.02	6–4	5.1b,4.5s		
KNET	IV	27 20 04 13.4–.74	42.89N	72.47E	19–11	5.3L,4.5s		
IDC	IV	27 20 04 13.6–1.5	42.90N	72.52E	13–10	5.3L,4.9		
NNC	IV	27 20 04 13.9–.65	43.14N	72.32E	4–5	5.3b,5.0		
MOS	IV	27 20 04 14.8–.94	42.89N	72.37E	29	5.4b,4.3s		
NEIC	IV	27 20 04 14.6–1.2	42.84N	72.44E	18–7	5.3b,4.7W		
GCMT	IV	27 20 04 15.7–.30	42.90N	72.35E	20–1	5.0W,4.7W		
DJA	IV	27 20 04 19.4–1.8	43N–9.0	73E–5.0	38–15	5.7,5.3b		

ISC Event type fe.
SZGRF Kyrgyzstan.
LDG Event type ke.
ISCJB Event type fe.
MOS Event type fe. Felt (IV) at Lugovoy,(III) at Talas. Moment Tensor Solution.
NEIC Event type fe. Felt at Shu and Taraz. Also felt at Talas, Kyrgyzstan and at Tashkent, Uzbekistan. Moment Tensor Solution. $M_0$1.60000×10^{16}
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s26,c30; s78,c133; Moment tensor: Scale 10^{16}Nm; M_{rr}3.90±.26 $M_{\theta\theta}$-4.41±.18; $M_{\phi\phi}$0.50±.13; $M_{r\theta}$0.52±.25; $M_{\theta\phi}$-1.02±.09; $M_{\phi r}$-1.30±.28; Best double couple: NP1:ϕ_s239.00000°,δ47.00000°,λ62.00000°. NP2:ϕ_s98.00000°,δ50.00000°,λ117.00000°. Principal axes: T 4.4200,Plg70.0000°,Azm74.0000°; N 0.2000,Plg20.0000°,Azm260.0000°; P -4.6200,Plg2.0000°,Azm169.0000° $M_0$4.50000×10^{16}

(460) Wyoming

ISC	**IV**	**27 20 04 31.2–1.1**	**43.78N–.02**	**105.27W–.02**	**4–9**		**182**	**0-20**
NEIC	IV	27 20 04 31.2–.36	43.81N	105.22W	0	3.2L		**¶12936263**
IDC	IV	27 20 04 31.4–2.0	43.96N	105.57W	0	3.9,3.6		

ISC Event type ke.
NEIC Event type fm. Error ellipse: s-maj=5.1km s-min=4.4km az=135.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=57.2km s-min=9.1km az=147.0.

(228) Near east coast of eastern Honshu

ISC	**IV**	**27 21 37 35.6–.32**	**36.45N–.03**	**141.08E–.03**	**43–2**	**5.1b,4.7s**	**1095**	**0-147**
NIED	IV	27 21 37 00	36.40N	141.20E	38	5.1W,4.7s		**¶13546250**
BJI	IV	27 21 37 33.0	36.46N	141.06E	42	5.0b,5.0b		
MOS	IV	27 21 37 34.8–.73	36.73N	140.95E	33	5.3b,4.6s		
JMA	IV	27 21 37 34.5–.10	36.41N	141.13E	48–2	5.0,4.6s		
ISCJB	IV	27 21 37 35.5–.34	36.44N–.02	141.01E–.02	50–2	5.1b,4.5s		
NEIC	IV	27 21 37 36.9–.40	36.36N	140.95E	53–3	5.1b,5.1W		
SZGRF	IV	27 21 37 36.7	36.98N	142.35E	45	5.2b,4.8s		
IDC	IV	27 21 37 37.3–1.6	36.36N	141.13E	59–14	4.7,4.7		
GCMT	IV	27 21 37 38.9–.20	36.35N	141.35E	44–0	5.2W,4.7		
DJA	IV	27 21 37 41.0–4.8	36N–14	141E–25	72–48	5.8b,5.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ69.00000°,λ90.00000°. NP2:ϕ_s204.00000°,δ21.00000°,λ89.00000°. M_o5.80000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s357.00000°,δ76.00000°,λ83.00000°. NP2:ϕ_s206.00000°,δ15.00000°,λ118.00000°. Principal axes: T Plg58.0000°,Azm257.0000°; N Plg7.0000°,Azm359.0000°; P Plg31.0000° ,Azm93.0000°
ISCJB Event type fe.
NEIC Event type fe. Felt at Fujioka, Ichikawa, Tsukuba, Utsunomiya and Yokohama. Recorded [3 JMA] in Fukushima, Ibaraki and Tochigi; [2 JMA] in Chiba, Gumma, Iwate, Kanagawa, Miyagi, Nagano, Saitama and Tokyo. Moment Tensor Solution. M_o5.80000×10^{16}
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c90; s80,c149; Moment tensor: Scale 10^{16}Nm; M_{rr}6.11±.21 $M_{\theta\theta}$-0.25±.14; $M_{\phi\phi}$-5.86±.14; $M_{r\theta}$1.17±.13; $M_{\theta\phi}$-2.27±.10; $M_{\phi r}$3.91±.12; Best double couple: NP1:ϕ_s201.00000°,δ29.00000°,λ93.00000°. NP2:ϕ_s18.00000°,δ61.00000°,λ88.00000°. Principal axes: T 7.3100,Plg74.0000° ,Azm284.0000°; N 0.5500,Plg1.0000°,Azm19.0000°; P -7.8500,Plg16.0000°,Azm109.0000° M_o7.60000×10^{16}

(115) Near coast of Peru

ISC	**IV**	**28 08 11 44.4–.48**	**17.62S–.08**	**70.39W–.08**	**95**	**4.1b**	**57**	**3-157**
ISCJB	IV	28 08 11 42.1–.48	17.73S–.07	70.43W–.08	95	4.1b		**¶12936362**
NEIC	IV	28 08 11 43.0–.75	17.66S	70.40W	81–7	4.3b		
IDC	IV	28 08 11 45.0–.84	17.55S	70.32W	91–5	3.9,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=7.0km az=136.2.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=9.5km az=63.0. Felt [II] at Tacna.
IDC Error ellipse: s-maj=26.3km s-min=16.7km az=34.0.

(159) North Island

ISC	**IV**	**28 09 54 46.4–.63**	**41.05S–.02**	**175.43E–.03**	**34–1**	**3.5b**	**127**	**0-152**
ISCJB	IV	28 09 54 46.6–.38	41.12S–.03	175.49E–.05	47–3	3.8s,3.5b		**¶12936357**
IDC	IV	28 09 54 46.6–.95	41.00S	175.44E	32–4	3.9s,3.9		
NEIC	IV	28 09 54 47.7	41.05S	175.44E	35	4.3L,3.9b		
WEL	IV	28 09 54 47.6–.04	41.05S	175.43E	34–0	4.2L,3.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=3.5km az=38.1.
IDC Error ellipse: s-maj=30.6km s-min=22.5km az=148.0.
NEIC Event type fe. Felt [IV] at Awapuni, Carterton, Featherston, Greytown, Hokowhitu, Levin, Martinborough, Masterton, Otaki, Palmerston North, Paraparaumu, Raumati Beach, Silverstream, Solway, Upper Hutt and Waikanae. Also felt at Wellington. After WEL.
WEL Event type fe. Error ellipse: s-maj=0.6km s-min=0.5km az=90.0. Felt from Wanganui to Wairarapa, maximum reported intensity MM 5.

(533) United Kingdom

ISC	**IV**	**28 10 22 06.9–.38**	**54.10N–.01**	**2.78W–.02**	**11–2**		**389**	**1-14**
CSEM	IV	28 10 22 07.1–.11	54.11N	2.82W	2	4.0L		**¶12742474**
LDG	IV	28 10 22 08.8–.08	54.15N	3.00W	9	4.0L		
BGS	IV	28 10 22 09.5–1.3	54.17N	3.02W	9–4	3.7L		
NEIC	IV	28 10 22 09.5	54.17N	3.02W	9	3.7L		
BER	IV	28 10 22 10.4–2.7	54.16N	2.95W	13–8	3.7L,3.2L		

ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=67.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.6km az=70.0.
BGS Error ellipse: s-maj=2.0km s-min=6.4km az=-1.0.
NEIC Event type fe. Felt [V] in Cumbria and Lancashire. After BGS.
BER Error ellipse: s-maj=4.3km s-min=10.5km az=-1.0.

(224) Hokkaido region

ISC	**IV**	**28 11 21 19.6–.30**	**42.67N–.02**	**145.00E–.02**	**19–1**	**5.9b,5.0s**	**1979**	**0-158**
NIED	IV	28 11 21 00	42.50N	145.20E	23	5.2W,5.0s		**¶13439158**
IDC	IV	28 11 21 16.1–.32	42.58N	145.08E	0	5.7,5.7		
BJI	IV	28 11 21 17.0	42.67N	145.03E	18	5.4b,5.4b		
ISCJB	IV	28 11 21 18.6–.46	42.61N–.02	144.98E–.01	24–3	5.8b,5.0s		
TEH	IV	28 11 21 18.0	42.68N	144.94E	7	5.3L,5.0s		
NEIC	IV	28 11 21 18.8–.81	42.65N	144.95E	15–5	5.9b,5.2W		
MOS	IV	28 11 21 19.5–.79	42.57N	144.99E	33	6.1b,5.0s		
JMA	IV	28 11 21 19.4	42.59N	145.09E	38–1	5.4,5.0s		
SKHL	IV	28 11 21 20.2–.30	42.57N	145.33E	67–8	6.0b,5.7s		
GCMT	IV	28 11 21 22.6–.20	42.60N	145.04E	22–0	5.2W,5.7s		
BGS	IV	28 11 21 23.1–1.2	43.03N	143.28E	15	5.9b,5.3s		
SZGRF	IV	28 11 21 24.5	43.46N	145.98E	30	5.9b,5.3s		
DJA	IV	28 11 21 25.8–2.6	43N–6.0	145E–8.0	75–23	6.4,5.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s77.00000°,δ68.00000°,λ-124.00000°. NP2:ϕ_s318.00000°,δ40.00000°,λ-36.00000°. M_o6.92000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Felt at Bihoro, Makubetsu and Sapporo. Recorded [4 JMA] in eastern Hokkaido; [2 JMA] in central and southeastern Hokkaido; [1 JMA] in southwestern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate, Honshu. Moment Tensor Solution. s39 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.14 $M_{\theta\theta}$7.90 $M_{\phi\phi}$-1.76 $M_{r\theta}$-0.68 $M_{\theta\phi}$-3.26 $M_{\phi r}$-0.08 Best double couple: NP1:ϕ_s292.00000°,δ43.00000°,λ-83.00000°. NP2:ϕ_s103.00000° ,δ48.00000°,λ-96.00000°. Principal axes: T 8.9200,Plg2.0000°,Azm196.0000° ; N -2.7400,Plg4.0000°,Azm106.0000°; P -6.1900,Plg84.0000°,Azm314.0000° M_o7.90000×10^{16} Moment Tensor Solution. M_o6.90000×10^{16}
MOS Event type fe. Felt (II-III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
JMA Event type fe.
SKHL Event type fe. Felt (II) at Yushno-Kurilsk.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 91, comp=161, per= 50. Moment Tensor Solution. s69,c109; s6,c6; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.04±.22 $M_{\theta\theta}$7.06±.16; $M_{\phi\phi}$-2.02±.17; $M_{r\theta}$-6.13±.36; $M_{\theta\phi}$-3.23±.12; $M_{\phi r}$-0.80±.31; Best double couple: NP1:ϕ_s317.00000°,δ31.00000°,λ-43.00000°. NP2:ϕ_s86.00000°,δ69.00000°,λ-114.00000°. Principal axes: T 10.2000,Plg21.0000°,Azm193.0000°; N -2.0000,Plg22.0000°,Azm94.0000° ; P -8.3000,Plg59.0000°,Azm322.0000° M_o9.20000×10^{16}
SZGRF Hokkaido, Japan, region.

(227) Eastern Honshu

ISC	**IV**	**28 14 02 03.3–1.1**	**39.18N–.03**	**140.95E–.03**	**7–7**	**4.0b**	**32**	**0-74**
NIED	IV	28 14 02 00	39.20N	141.00E	5	3.8W		**¶12742500**
ISCJB	IV	28 14 02 02.9–.46	39.22N–.03	140.97E–.04	18–4	3.9b,2.9s		
JMA	IV	28 14 02 03.1	39.19N	140.95E	7–1	3.9,2.9s		
IDC	IV	28 14 02 09.3–2.1	39.13N	140.73E	56–19	3.8,3.7b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ54.00000°,λ94.00000°. NP2:ϕ_s204.00000°,δ36.00000°,λ84.00000°. M_o5.63000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.9km az=31.6.
JMA Event type fe.
IDC Error ellipse: s-maj=21.0km s-min=12.7km az=102.0.

(224) Hokkaido region

ISC	**IV**	**28 23 00 07.5–.50**	**41.89N–.04**	**144.28E–.04**	**42–2**	**4.4b,3.9s**	**221**	**1-86**
IDC	IV	28 23 00 01.0–.62	41.80N	144.42E	0	4.2,4.2		**¶12742569**
NIED	IV	28 23 00 00	41.80N	144.40E	26	4.3W,4.2		
MOS	IV	28 23 00 04.4–1.0	41.76N	144.31E	33	4.5b,4.2		
JMA	IV	28 23 00 04.9–.10	41.84N	144.39E	36–2	4.4,4.2		
BJI	IV	28 23 00 05.3	41.99N	144.30E	35	4.8b,4.6b		
ISCJB	IV	28 23 00 05.1–.63	41.82N–.03	144.32E–.05	37–4	4.3b,3.8s		
NEIC	IV	28 23 00 07.0–.63	41.82N	144.31E	39–5	4.6b,4.3W		

ISC Event type fe.
IDC Error ellipse: s-maj=16.7km s-min=14.8km az=142.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ73.00000°,λ63.00000°. NP2:ϕ_s266.00000°,δ32.00000°,λ145.00000°. M_o3.36000×10^{15}
MOS Error ellipse: s-maj=9.9km s-min=6.7km az=104.3.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.5km az=44.9.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=5.0km az=155.0. Recorded [2 JMA] in southeastern Hokkaido. Moment Tensor Solution. M_o3.40000×10^{15}

(135) Near coast of central Chile

ISC	**IV**	**29 16 24 40.8–.54**	**29.97S–.03**	**71.52W–.06**	**45–4**	**4.7b,4.0s**	**473**	**1-176**
ISCJB	IV	29 16 24 40.6–.65	29.97S–.04	71.44W–.07	52–6	4.7b,4.0s		**¶12746022**
NEIC	IV	29 16 24 40.8–.16	30.00S	71.39W	44	4.8b,4.0s		
IDC	IV	29 16 24 40.7–2.5	30.02S	71.38W	42–22	4.5,4.5L		
GUC	IV	29 16 24 40.2–.50	29.98S	71.45W	47–3	4.8L,4.5L		
BJI	IV	29 16 24 42.8	30.00S	71.40W	43	5.6s,5.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=5.8km az=174.5.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=72.0. Felt [IV] at Coquimbo, La Serena and Vicuna; [II] at Ovalle. Also felt at Andacollo.
IDC Error ellipse: s-maj=18.8km s-min=13.5km az=81.0.
GUC Error ellipse: s-maj=1.6km s-min=5.3km az=-1.0.

(224) Hokkaido region

ISC	**IV**	**29 16 35 20.1–.69**	**43.03N–.05**	**143.99E–.05**	**124–5**	**3.8b**	**43**	**0-85**
NIED	IV	29 16 35 00	43.10N	143.90E	119	3.7W		**¶12936405**
ISCJB	IV	29 16 35 19.1–.37	43.03N–.05	143.99E–.06	129–2	3.7b		
JMA	IV	29 16 35 20.5–.10	43.06N	143.94E	122–1	3.7		
IDC	IV	29 16 35 21.0–1.3	43.06N	143.90E	132–9	3.7,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s81.00000°,δ86.00000°,λ112.00000°. NP2:ϕ_s182.00000°,δ22.00000°,λ11.00000°. M_o3.86000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=6.4km az=158.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=15.8km s-min=14.2km az=126.0.

(246) Southwestern Ryukyu Islands

ISC	**IV**	**29 17 21 58.3–.39**	**23.90N–.03**	**123.37E–.02**	**29–2**	**4.9b,4.6s**	**526**	**0-121**
NIED	IV	29 17 21 00	23.90N	123.40E	35	5.1W,4.6s		**¶13439189**
DJA	IV	29 17 21 53.8–.60	24N–7.0	124E–9.0	10	5.4b,5.1		
IDC	IV	29 17 21 53.5–.49	23.95N	123.41E	0	4.7,4.7		
BJI	IV	29 17 21 54.2	23.72N	123.60E	32	4.8s,4.8b		
JMA	IV	29 17 21 57.7–.20	23.86N	123.37E	27–3	5.2,4.8b		
ISCJB	IV	29 17 21 57.9–.34	23.91N–.02	123.36E–.02	38–2	4.8b,4.5s		
MOS	IV	29 17 21 57.4–1.1	23.99N	123.38E	33	5.1b,4.6s		
NEIC	IV	29 17 21 58.7–1.3	23.94N	123.36E	33–9	5.0W,4.9b		
TEH	IV	29 17 21 59.0	23.94N	123.30E	29	4.9L,4.9b		
GCMT	IV	29 17 22 00.3–.20	23.71N	123.38E	33–1	5.1W,4.9b		
SZGRF	IV	29 17 22 06.8	25.19N	122.71E	33	4.8b,4.5s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ70.00000°,λ70.00000°. NP2:ϕ_s280.00000°,δ28.00000°,λ134.00000°. M_o4.22000×10^{16}
IDC Error ellipse: s-maj=17.0km s-min=12.1km az=68.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=164.0.
MOS Error ellipse: s-maj=8.2km s-min=4.5km az=116.6.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=142.0. Moment Tensor Solution. M_o4.20000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c79; s70,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}2.89±.16 $M_{\theta\theta}$-3.04±.11; $M_{\phi\phi}$0.15±.12; $M_{r\theta}$2.41±.14; $M_{\theta\phi}$-1.71±.08; $M_{\phi r}$2.67±.18; Best double couple: NP1:ϕ_s269.00000°,δ26.00000°,λ129.00000°. NP2:ϕ_s47.00000°,δ70.00000°,λ73.00000°. Principal axes: T 4.7300,Plg61.0000° ,Azm291.0000°; N 0.4500,Plg16.0000°,Azm53.0000°; P -5.1800,Plg23.0000°,Azm151.0000° M_o5.00000×10^{16}
SZGRF Taiwan region.

(246) Southwestern Ryukyu Islands

ISC	**IV**	**29 17 24 08.3–1.7**	**23.9N–.10**	**123.36E–.06**	**28–11**	**4.1b**	**27**	**0-84**
IDC	IV	29 17 24 03.9–.70	23.97N	123.43E	0	4.5s,4.5		**¶12936402**
ISCJB	IV	29 17 24 06.6–1.1	23.83N–.07	123.30E–.05	29–7	4.5s,4.0b		
JMA	IV	29 17 24 08.2–.20	23.87N	123.37E	24–3	4.0,4.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=38.0km s-min=15.6km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=7.3km az=8.8.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.

(460) Wyoming

ISC	**IV**	**29 18 19 28.3–1.1**	**44.06N–.02**	**105.40W–.02**	**4–9**		**97**	**0-89**
IDC	IV	29 18 19 26.8–2.0	44.13N	105.59W	0	4.1L,3.5		**¶12936396**
NEIC	IV	29 18 19 28.5–.77	44.09N	105.39W	0	3.0L,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=52.3km s-min=14.5km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=13.5km s-min=7.9km az=14.0. 25 km [15 miles] SSE of Gillette. Suspected Mining explosion.

(127) Chile-Argentina border region

ISC	**IV**	**29 22 44 04.5–.26**	**32.78S–.03**	**69.87W–.04**	**122–2**	**4.9b**	**870**	**1-173**
MOS	IV	29 22 44 01.3–1.0	32.70S	69.68W	100	5.0b		**¶12746032**
ISCJB	IV	29 22 44 02.0–.31	32.72S–.02	69.71W–.05	107–2	4.9b		
NEIC	IV	29 22 44 03.3	32.80S	70.04W	122	4.9b,4.9		
GUC	IV	29 22 44 03.3–.64	32.80S	70.04W	122–3	5.1L,4.9		
IDC	IV	29 22 44 04.8–.44	32.76S	69.75W	122–3	4.5,4.4		
BJI	IV	29 22 44 07.3	32.70S	69.70W	126	5.0b,4.4		

ISC Event type fe.
MOS Error ellipse: s-maj=14.2km s-min=7.7km az=101.2.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.8km az=177.2.
NEIC Event type fe. Felt [IV] at Mendoza. Felt [III] at Santiago and in Cordillera and Maipo; [II] at Cabildo, Chacabuco, La Ligua, Los Andes, Puchuncavi, Quillota, San Felipe and Zapallar, Chile. Also felt at Limache and Valparaiso. After GUC.
GUC Error ellipse: s-maj=2.0km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=12.7km s-min=9.9km az=67.0.

(236) Shikoku

JMA	**IV**	**29 23 07 30.8**	**33.98N**	**132.74E**	**46**	**3.5**		
NIED	IV	29 23 07 00	34.00N	132.70E	47	3.5W		**¶14473240**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s149.00000°,δ82.00000°,λ-115.00000°. NP2:ϕ_s42.00000°,δ26.00000°,λ-18.00000°. Principal axes: T Plg33.0000°,Azm259.0000°; N Plg24.0000°,Azm152.0000°; P Plg47.0000° ,Azm33.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ72.00000°,λ-82.00000°. NP2:ϕ_s324.00000°,δ20.00000°,λ-114.00000°. M_o2.12000×10^{14}

(14) Kenai Peninsula

ISC	**IV**	**30 04 54 57.4–.36**	**59.05N–.03**	**151.47W–.03**	**43–2**	**5.1b,4.2s**	**1302**	**1-151**
MOS	IV	30 04 54 51.6–.84	59.16N	151.69W	10	5.3b,4.2s		**¶13439214**
BJI	IV	30 04 54 55.2	59.25N	152.02W	32	5.1b,5.0b		
ISCJB	IV	30 04 54 57.0–.21	59.16N–.01	151.54W–.02	49–2	5.1b,4.2s		
IDC	IV	30 04 54 57.1–.54	59.18N	151.64W	35–4	4.9,4.8		
NEIC	IV	30 04 54 58.4–.15	59.12N	151.52W	47–1	5.1b,4.9W		
GCMT	IV	30 04 55 00.9–.30	59.18N	151.47W	40–1	5.0W,4.9W		
SZGRF	IV	30 04 55 05.2	60.19N	151.09W	33	5.1b,3.8s		

ISC Event type fe.
MOS Error ellipse: s-maj=7.8km s-min=3.7km az=91.2.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=31.0.
IDC Error ellipse: s-maj=11.0km s-min=8.9km az=13.0.
NEIC Event type fe. Error ellipse: s-maj=2.0km s-min=1.7km az=175.0. Felt [IV] at Anchor Point; [III] at Homer and Seward; [II] at Soldotna. Also felt at Ninilchik and Sterling. Moment Tensor Solution. M_o2.80000×10^{16}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s46,c54; s63,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.71±.15 $M_{\theta\theta}$0.11±.12; $M_{\phi\phi}$2.60±.10; $M_{r\theta}$0.38±.10; $M_{\theta\phi}$0.51±.08; $M_{\phi r}$2.36±.10; Best double couple: NP1:ϕ_s13.00000°,δ24.00000°,λ-88.00000°. NP2:ϕ_s190.00000°,δ66.00000°,λ-91.00000°. Principal axes: T 3.6100,Plg21.0000° ,Azm281.0000°; N 0.0100,Plg1.0000°,Azm190.0000°; P -3.6200,Plg69.0000°,Azm98.0000° M_o3.60000×10^{16}
SZGRF Kenai Peninsula, Alaska, United States.

(224) Hokkaido region

ISC	**IV**	**30 10 40 51.3–.72**	**42.04N–.04**	**142.47E–.04**	**65–6**	**3.9b**	**54**	**0-147**
ISCJB	IV	30 10 40 50.3–.33	42.05N–.04	142.48E–.04	72–3	3.9b		**¶12936509**
NEIC	IV	30 10 40 51.2	42.06N	142.48E	66	4.4b		
JMA	IV	30 10 40 51.1–.10	42.06N	142.48E	66–2	3.8		
IDC	IV	30 10 40 52.9–1.6	42.11N	142.44E	78–13	3.7,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.5km az=152.3.
NEIC Event type fe. Recorded [1 JMA] in southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s14.00000°,δ85.00000°,λ97.00000°. NP2: ϕ_s135.00000°,δ9.00000°,λ31.00000°. Principal axes: T Plg49.0000°,Azm292.0000° ; N Plg7.0000°,Azm193.0000°; P Plg40.0000°,Azm97.0000°
IDC Error ellipse: s-maj=17.8km s-min=10.5km az=118.0.

(111) Northern Peru

ISC	**IV**	**30 11 45 38.6–.60**	**4.82S–.05**	**77.19W–.09**	**114–5**	**4.5b**	**439**	**3-166**
ISCJB	IV	30 11 45 38.2–.72	4.74S–.04	77.18W–.05	122–7	4.4b		**¶12742679**
IDC	IV	30 11 45 38.2–1.8	4.66S	77.34W	106–18	4.2,4.1		
NEIC	IV	30 11 45 39.4–.57	4.74S	77.19W	120–5	4.6b,4.1		
BJI	IV	30 11 45 39.7	4.80S	77.20W	113	4.9b,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=6.6km az=149.1.
IDC Error ellipse: s-maj=17.8km s-min=10.5km az=59.0.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=4.6km az=67.0. Felt at Barranca and Yurimaguas.

(228) Near east coast of eastern Honshu

ISC	**IV**	**30 22 09 30.8–1.1**	**36.08N–.04**	**141.39E–.09**	**21–5**	**3.7b**	**24**	**1-70**
IDC	IV	30 22 09 27.2–1.7	36.00N	141.52E	0	3.7,3.7b		**¶12936462**
ISCJB	IV	30 22 09 29.9–1.2	36.06N–.04	141.44E–.07	26–7	3.6b,3.7b		
JMA	IV	30 22 09 30.8–.10	36.04N	141.37E	40–2	3.4,3.7b		

ISC Event type ke.
IDC Error ellipse: s-maj=39.2km s-min=23.2km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=6.8km az=162.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(39) Central California

ISC	**IV**	**30 22 50 54.1–1.3**	**37.25N–.03**	**121.66W–.04**	**2–11**		**58**	**1-26**
ISCJB	IV	30 22 50 53.9–.75	37.24N–.03	121.64W–.05	11–7	2.7b		**¶12742814**
IDC	IV	30 22 50 53.8–1.4	37.16N	121.65W	0	3.4,3.3		
NEIC	IV	30 22 50 54.7	37.25N	121.64W	7	3.5W,3.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=3.6km az=139.8.
IDC Error ellipse: s-maj=15.1km s-min=9.0km az=55.0.
NEIC Event type fe. Felt [IV] at San Jose and [II] at Gilroy and Morgan Hill. Also felt at Aptos, Felton, Los Gatos, Milpitas, Santa Cruz and Scotts Valley. After NCEDC. Moment Tensor Solution. $M_0$2.30000×10^{14}

(115) Near coast of Peru

ISC	**V**	**01 00 12 29.8–.91**	**14.13S–.10**	**76.4W–.10**	**30**	**3.7b**	**19**	**2-146**
NEIC	V	01 00 12 27.5–1.4	14.26S	76.53W	35	4.3L,3.8b		**¶12784547**
ISCJB	V	01 00 12 28.6–.91	13.99S–.09	76.3W–.10	30	3.6b,3.1s		
IDC	V	01 00 12 31.9–1.2	13.74S	76.08W	35–6	3.7,3.5		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=23.4km s-min=13.4km az=71.0. Felt [III] at Pisco.
ISCJB Event type fe. Error ellipse: s-maj=19.7km s-min=7.4km az=146.3.
IDC Error ellipse: s-maj=48.3km s-min=13.1km az=56.0.

(107) Ecuador

ISC	**V**	**01 00 34 09.8–.30**	**1.66S–.03**	**77.48W–.05**	**189–2**	**4.9b**	**998**	**1-163**
IGQ	V	01 00 34 07.0	1.69S	77.60W	216–3	4.8b,4.7s		**¶13439240**
MOS	V	01 00 34 07.0–.79	1.48S	77.36W	168	5.1b,4.7s		
ISCJB	V	01 00 34 09.3–.18	1.61S–.02	77.44W–.03	193–1	4.7b,4.7s		
IDC	V	01 00 34 09.6–.55	1.50S	77.33W	183–4	4.7,4.6		
NEIC	V	01 00 34 10.6–.12	1.55S	77.31W	191	4.9b,4.9		
GCMT	V	01 00 34 12.7–.20	1.74S	77.66W	195–1	5.1W,4.9		
SZGRF	V	01 00 34 28.0	0.60N	74.47W	196	5.2b,4.9		

ISC Event type fe.
IGQ Error ellipse: s-maj=4.1km s-min=1.7km az=2.9.
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=89.9.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=149.2.
IDC Error ellipse: s-maj=11.7km s-min=6.3km az=65.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=54.0. Felt at Cuenca.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s43,c52; s82,c126; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.17±.13 $M_{\theta\theta}$1.48±.17; $M_{\phi\phi}$1.69±.20; $M_{r\theta}$3.84±.12; $M_{\theta\phi}$-2.57±.14; $M_{\phi r}$-2.42±.14; Best double couple: NP1:ϕ_s153.00000°,δ21.00000°,λ-62.00000°. NP2:ϕ_s304.00000°,δ71.00000°,λ-100.00000°. Principal axes: T 6.2500,Plg25.0000° ,Azm42.0000°; N -0.8000,Plg10.0000°,Azm307.0000°; P -5.4600,Plg63.0000° ,Azm198.0000° $M_0$5.90000×10^{16}
SZGRF Colombia.

(381) Central Italy

ISC	**V**	**01 05 12 53.3–.76**	**42.29N–.01**	**13.46E–.01**	**6–4**	**3.6b**	**327**	**0-68**
ROM	V	01 05 12 51.5–.07	42.29N	13.46E	10–0	3.8L		**¶12742821**
NEIC	V	01 05 12 51.0	42.28N	13.47E	9	3.8L,3.8L		
LDG	V	01 05 12 51.9–.11	42.27N	13.45E	2	3.4L,3.8L		
ISCJB	V	01 05 12 51.7–.21	42.30N–.01	13.42E–.02	8–1	3.5b,3.8L		
BEO	V	01 05 12 52.6–.84	42.11N	13.45E	0	3.6L,3.8L		
PDG	V	01 05 12 52.7–.66	42.30N	13.44E	4–0	3.6L,3.8L		
CSEM	V	01 05 12 52.4–.11	42.28N	13.42E	2	4.2L,3.8L		
IDC	V	01 05 12 52.4–.99	42.38N	13.41E	0	3.7,3.6		
PRU	V	01 05 12 53.1	42.30N	13.53E	0	3.7,3.6		
VIE	V	01 05 12 53.0	42.30N	13.40E	2	3.8L,3.6		
STR	V	01 05 13 00.7–2.2	42.63N	12.82E	5	3.4L,3.6		

ISC Event type fe.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=53.0.
NEIC Event type fe. Felt [V] at Aielli; [IV] at Celano, Luco dei Marsi and Massa d'Albe; [III] at Avezzano, L'Aquila, Magliano de' Marsi, Montorio al Vomano, Pratola Peligna, Rome, Subiaco, Surcola Marsicana and Tagliacozzo; [II] at Ascoli Piceno, Chieti, Pescara, Rieti, Sulmona and Teramo. Felt in much of Abruzzo and in parts of Marche and Lazio. After ROM.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=41.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=21.1.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=18.0.
IDC Error ellipse: s-maj=16.1km s-min=13.3km az=93.0.
VIE 88 km ENE of Rome .
STR Event type ke.

(163) Cook Strait

WEL	**V**	**01 05 16 14.2–.05**	**41.19S**	**174.81E**	**31–0**	**4.1L**		
NEIC	V	01 05 16 14.3	41.19S	174.81E	30	4.1L		**¶12742822**

WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0. Felt between Wellington, Marlborough and Wairarapa, maximum reported. intensity MM 5.
NEIC Event type fe. Felt [IV] in the Paraparaumu-Silverstream-Wellington area. Also felt at Martinborough and Picton. After WEL.

(228) Near east coast of eastern Honshu

JMA	**V**	**01 05 53 32.7–.10**	**36.61N**	**141.00E**	**47–1**	**3.5**		
NIED	V	01 05 53 00	36.60N	141.00E	47	3.4W		**¶14473730**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ74.00000°,λ85.00000°. NP2:ϕ_s229.00000°,δ17.00000°,λ106.00000°. $M_0$1.30000×10^{14}

(123) Northern Chile

ISC	**V**	**01 10 43 36.0–1.1**	**19.56S–.02**	**69.25W–.04**	**6–7**	**4.8b,3.9s**	**191**	**1-172**
ISCJB	V	01 10 43 35.0–.21	19.51S–.03	69.11W–.04	10	4.7b,3.9s		**¶12746051**
IDC	V	01 10 43 35.6–.47	19.36S	69.07W	0	4.6,4.6		
NEIC	V	01 10 43 36.8–.23	19.52S	69.16W	10	5.3L,4.8b		
GUC	V	01 10 43 36.8–.38	19.57S	69.26W	19–3	5.3L,4.8b		
BJI	V	01 10 43 37.8	19.50S	68.90W	10	5.4s,5.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.5km az=165.3.
IDC Error ellipse: s-maj=19.0km s-min=12.3km az=56.0.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.9km az=74.0. Felt [III] at Arica and [II] at Pozo Almonte. Also felt at Iquique.
GUC Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0.

(212) Bonin Islands region

ISC	**V**	**01 12 57 08.8–.27**	**26.26N–.03**	**140.57E–.03**	**416–2**	**5.3b**	**1243**	**1-167**
SZGRF	V	01 12 56 26.9	27.11N	142.26E	33	5.6b		**¶15741774**
NIED	V	01 12 57 00	26.70N	141.30E	360	5.3W		
BJI	V	01 12 57 06.1	26.20N	140.77E	413	5.2b,4.7b		
ISCJB	V	01 12 57 07.8–.26	26.19N–.02	140.56E–.02	419–2	5.2b,4.7b		
MOS	V	01 12 57 07.7–.85	26.26N	140.50E	415	5.5b,4.7b		
IDC	V	01 12 57 09.5–.65	26.22N	140.57E	422–6	4.9,4.9		
TEH	V	01 12 57 09.0	26.22N	140.55E	415	5.4L,4.9		
GCMT	V	01 12 57 10.8–.40	26.21N	140.36E	415–2	5.3W,4.9		
NEIC	V	01 12 57 10.5–.41	26.28N	140.43E	434–4	5.4b,5.2W		
DJA	V	01 12 57 10.3–1.3	26N–6.0	141E–7.0	510–17	5.3b,5.0b		
JMA	V	01 12 57 10.7–.30	26.67N	141.31E	418–3	5.5,5.0b		

ISC Event type se.
SZGRF Bonin Islands, Japan, region.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ59.00000°,λ-39.00000°. NP2:ϕ_s152.00000°,δ57.00000°,λ-142.00000°. $M_0$8.98000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.6km az=144.0.
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=109.8.
IDC Error ellipse: s-maj=6.6km s-min=5.0km az=93.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s56,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.62±.28 $M_{\theta\theta}$-1.65±.39; $M_{\phi\phi}$6.27±.40; $M_{r\theta}$-8.77±.44; $M_{\theta\phi}$2.14±.38; $M_{\phi r}$0.64±.52; Best double couple: NP1:ϕ_s171.00000°,δ40.00000°,λ-152.00000°. NP2: ϕ_s59.00000°,δ72.00000°,λ-54.00000°. Principal axes: T 7.4000,Plg19.0000°,Azm123.0000° ; N 4.9000,Plg34.0000°,Azm226.0000°; P -12.2000,Plg49.0000°,Azm9.0000° $M_0$9.80000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.9km az=154.0. Recorded [1 JMA] in the Haha-jima-retto. Moment Tensor Solution. $M_0$9.00000×10^{16}
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0.

(29) Washington

ISC	**V**	**01 15 14 36.8–.94**	**47.66N–.03**	**122.14W–.04**	**13–7**		**43**	**0-6**
PGC	V	01 15 14 35.8–.43	47.51N	122.19W	21–0	2.1L		**¶12747032**
ISCJB	V	01 15 14 36.7–.46	47.60N–.04	122.23W–.05	13–3	2.1L		
NEIC	V	01 15 14 37.0	47.65N	122.14W	3	2.3		
PNSN	V	01 15 14 38.0	47.65N	122.14W	7	2.6		

ISC Event type fe.
PGC Event type ke. 14km Ese of Seattle, Wa Washington.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=5.7km az=33.2.
NEIC Event type fe. Felt [II] at Bellevue, Kirkland and Redmond. Also felt at Arlington, Bremerton, Issaquah, Sammamish, Seattle and Woodinville. After SEA.
PNSN Moment Tensor Solution. NP1:ϕ_s65.00000°,δ45.00000° NP2:ϕ_s284.00000°,δ52.00000° Principal axes: T Plg69.0000°,Azm256.0000°; P Plg4.0000°,Azm356.0000° Moment Tensor Solution. NP1:ϕ_s300.00000°,δ75.00000° NP2:ϕ_s30.00000°,δ90.00000° Principal axes: T Plg11.0000°,Azm256.0000°; P Plg11.0000°,Azm164.0000° Moment Tensor Solution. NP1: ϕ_s110.00000°,δ60.00000° NP2:ϕ_s210.00000°,δ73.00000° Principal axes: T Plg34.0000° ,Azm74.0000°; P Plg8.0000°,Azm338.0000°

(99) Northern Colombia

ISC	**V**	**01 15 44 31.6–.35**	**6.87N–.05**	**76.32W–.05**	**18**	**4.8b,3.9s**	**207**	**1-154**
IDC	V	01 15 44 28.6–.49	6.83N	76.31W	0	4.4,4.3		**¶12746960**
BJI	V	01 15 44 29.0	6.80N	76.30W	4	5.3s,4.8		
ISCJB	V	01 15 44 30.4–.22	6.93N–.03	76.40W–.03	18	4.6b,4.0s		
NEIC	V	01 15 44 33.0–.22	6.81N	76.36W	30	4.9b,4.3L		
SZGRF	V	01 15 44 38.4	7.43N	75.87W	33	4.9b,4.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=20.1km s-min=12.5km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.0km az=31.4.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.7km az=29.0. Felt at Bello, Caucasia and Medellin.
SZGRF Northern Colombia.

(495) Eastern Arizona

ISC	**V**	**01 19 33 02.7–.00**	**36.43N–.04**	**110.28W–.04**	**0**		**27**	**1-9**
IDC	V	01 19 33 03.8–1.4	36.71N	110.10W	0	2.9,2.8		**¶13678191**
NEIC	V	01 19 33 03.9–.51	36.38N	110.27W	0	2.7L,2.8		
ISCJB	V	01 19 33 03.3–.48	36.35N–.04	110.24W–.06	0	2.7L,2.8		

ISC Event type sm.
NEIC Event type fm. 40 km [25 miles] S of Kayenta. Suspected Mining explosion.
ISCJB Event type fm.

(385) Strait of Gibraltar

ISC	**V**	**02 00 48 41.0–.81**	**36.96N–.03**	**2.32W–.02**	**14–4**		**275**	**0-11**
ISCJB	V	02 00 48 40.3–.39	37.10N–.02	2.48W–.02	5–2			**¶12793923**
LDG	V	02 00 48 41.8–.14	36.93N	2.33W	2	3.3L		
CSEM	V	02 00 48 41.5–.18	36.98N	2.37W	10	3.6L		
MDD	V	02 00 48 41.9–.27	36.90N	2.31W	11–0	3.0		
SFS	V	02 00 48 42.0	36.93N	2.32W	11	3.2L		
INMG	V	02 00 48 42.2–1.5	36.94N	2.35W	10–2	3.0L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=167.8.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=153.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.3km az=154.0.
MDD Event type fe. Error ellipse: s-maj=4.4km s-min=1.9km az=163.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=155.0.

(43) Southern California

ISC	**V**	**02 01 11 12.3–.69**	**33.99N–.03**	**118.90W–.02**	**16–4**	**3.9b,3.3s**	**196**	**0-99**
BJI	V	02 01 11 10.7	34.10N	118.90W	14	4.7b,4.7		**¶12747048**
IDC	V	02 01 11 11.3–1.4	33.99N	118.86W	0	3.8,3.8b		
ISCJB	V	02 01 11 12.0–.41	34.05N–.02	118.89W–.02	15–2	3.9b,3.7s		
NEIC	V	02 01 11 13.7	34.07N	118.88W	14	4.3b,4.1W		

ISC Event type de.
IDC Error ellipse: s-maj=21.6km s-min=8.7km az=43.0.
ISCJB Event type de. Error ellipse: s-maj=4.1km s-min=2.5km az=136.2.
NEIC Event type de. One person injured in the Los Angeles area. Felt [IV] at Westlake Village; [III] at Agoura Hills, Avalon, Bell, Burbank, Calabasas, Camarillo, Chino Hills, Compton, Culver City, Encino, Garden Grove, Gardena, Hermosa Beach, Inglewood, Irvine, Malibu, Marina del Rey, Moorpark, Newbury Park, Northridge, Oak Park, Pacific Palisades, Panorama City, Paramount, Playa del Rey, Reseda, Santa Monica, Sherman Oaks, Simi Valley, Tarzana, Thousand Oaks, Tustin, Valley Village, Van Nuys, Whittier and Woodland Hills; [II] throughout Los Angeles and Orange Counties, in much of Ventura County and in western Riverside and San Bernardino Counties. Felt as far as Lompoc, Palm Springs and San Diego. After PAS. Moment Tensor Solution. $M_0$1.70000×10^{15}

(12) Alaska Peninsula

ISC	**V**	**02 02 19 10.9–.21**	**54.53N–.03**	**161.53W–.02**	**41–1**	**5.7b,5.0s**	**1786**	**1-163**
BGS	V	02 02 19 07.7–1.3	54.33N	160.31W	10	5.7b,5.0s		**¶13439271**
MOS	V	02 02 19 09.5–.91	54.56N	161.62W	33	5.9b,5.0s		
IDC	V	02 02 19 10.7–.67	54.52N	161.62W	33–4	5.2,5.2		
ISCJB	V	02 02 19 10.9–.26	54.51N–.02	161.52W–.02	43–2	5.6b,5.0s		
NEIC	V	02 02 19 12.5	54.53N	161.52W	9	5.6b,5.6W		
BJI	V	02 02 19 12.4	54.99N	162.32W	40	5.6b,5.5b		
GCMT	V	02 02 19 13.4–.10	54.53N	161.52W	21–0	5.6W,5.5b		
DJA	V	02 02 19 16.6–3.7	55N–9.0	161W–18	85–33	5.9b,5.6b		
SZGRF	V	02 02 19 19.0	55.55N	161.78W	35	5.8b,4.8s		

ISC Event type fe.
BGS Error ellipse: s-maj=146.2km s-min=472.3km az=-1.0.
MOS Error ellipse: s-maj=6.6km s-min=3.5km az=89.8.
IDC Error ellipse: s-maj=12.6km s-min=7.7km az=177.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=1.9km az=179.3.
NEIC Event type fe. Felt [IV] at Sand Point. Also felt at Cold Bay, False Pass, King Cove and Perryville. After AEIC. Moment Tensor Solution. s57 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$0.07 $M_{r\theta}$1.08 $M_{\theta\phi}$-0.26 $M_{\phi r}$0.32 Best double couple: NP1:ϕ_s74.00000° ,δ82.00000°,λ96.00000°. NP2:ϕ_s215.00000°,δ10.00000°,λ51.00000°. Principal axes: T 1.0800,Plg52.0000°,Azm351.0000°; N 0.1800,Plg6.0000°,Azm253.0000° ; P -1.2600,Plg37.0000°,Azm158.0000° $M_0$1.20000×10^{17} Moment Tensor Solution. $M_0$2.70000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 93, comp=159, per= 50. Moment Tensor Solution. s77,c123; s4,c4; Moment tensor: Scale 10^{17}Nm; M_{rr}0.27±.02 $M_{\theta\theta}$-0.22±.02; $M_{\phi\phi}$-0.05±.02; $M_{r\theta}$2.63±.14; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$0.93±.06; Best double couple: NP1:ϕ_s212.00000°,δ4.00000°,λ52.00000°. NP2:ϕ_s71.00000°,δ87.00000°,λ92.00000°. Principal axes: T 2.7700,Plg48.0000°,Azm343.0000°; N 0.0700,Plg2.0000°,Azm250.0000° ; P -2.8400,Plg42.0000°,Azm158.0000° $M_0$2.80000×10^{17}
SZGRF Alaska Peninsula, United States.

(162) South Island

WEL	**V**	**02 05 57 15.4–.04**	**44.26S**	**170.00E**	**14–0**	**3.6L**		
								¶14301451

WEL Event type fe. Error ellipse: s-maj=0.5km s-min=0.4km az=90.0. Felt from Canterbury to Otago, maximum reported intensity MM 4.

(89) Mona Passage

ISC	**V**	**02 08 34 39.3–.78**	**18.17N–.04**	**67.01W–.03**	**26–4**	**3.8b**	**71**	**0-86**
ISCJB	V	02 08 34 38.4–.52	18.18N–.06	67.02W–.04	31–3	3.8b		**¶12747141**
NEIC	V	02 08 34 39.7	18.17N	67.02W	21	3.5		
IDC	V	02 08 34 39.5–2.7	18.30N	66.92W	22–16	3.7,3.6		
RSPR	V	02 08 34 39.7	18.17N	67.02W	21–1	3.5,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=4.8km az=19.7.
NEIC Event type fe. Felt [IV] at Anasco, Hormigueros, Lares, Mayaguez, San German, San Sebastian and Yauco. Also felt at Lajas, Sabana Grande, Trujillo Alto and Utuado. After RSPR.
IDC Error ellipse: s-maj=43.9km s-min=15.3km az=23.0.
RSPR Event type ke.

(117) Southern Peru

ISC	**V**	**02 10 36 52.8–.47**	**15.63S–.07**	**70.49W–.06**	**193**	**3.9b**	**53**	**1-155**
ISCJB	V	02 10 36 51.4–.35	15.61S–.05	70.50W–.04	193	3.8b		**¶12747145**
IDC	V	02 10 36 52.9–.85	15.49S	70.39W	191–7	3.7,3.6		
NEIC	V	02 10 36 52.7–.56	15.60S	70.54W	184–7	4.1b,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.4km az=35.7.
IDC Error ellipse: s-maj=20.8km s-min=9.6km az=28.0.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=11.3km az=190.0. Felt at Juliaca.

(227) Eastern Honshu

ISC	**V**	**02 11 44 25.0–1.2**	**39.17N–.03**	**140.86E–.03**	**2–9**	**3.6b**	**25**	**0-67**
JMA	V	02 11 44 24.6	39.17N	140.84E	7–1	3.3		¶13678228
IDC	V	02 11 44 24.8–1.1	39.18N	140.67E	0	3.5,3.5b		
ISCJB	V	02 11 44 24.3–.51	39.18N–.03	140.85E–.04	10–4	3.4b,3.5b		

ISC Event type ke.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s306.00000°,δ76.00000°,λ-24.00000°. NP2:ϕ_s42.00000°,δ67.00000°,λ-164.00000°. Principal axes: T Plg6.0000°,Azm355.0000°; N Plg62.0000°,Azm97.0000°; P Plg27.0000° ,Azm262.0000°
ISCJB Event type fe.

(460) Wyoming

ISC	**V**	**02 17 04 41.1–.66**	**43.76N–.02**	**105.33W–.02**	**0**		**172**	**0-61**
ISCJB	V	02 17 04 40.5–.18	43.76N–.01	105.32W–.02	0	4.1b		¶13678237
NEIC	V	02 17 04 41.4–.39	43.80N	105.25W	0	3.0L		
IDC	V	02 17 04 41.6–1.7	43.87N	105.55W	0	3.9b,3.6		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.5km s-min=1.7km az=165.8.
NEIC Event type fm. Error ellipse: s-maj=5.8km s-min=4.9km az=176.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=50.6km s-min=8.1km az=147.0.

(227) Eastern Honshu

ISC	**V**	**02 17 39 27.3–1.2**	**36.11N–.04**	**139.88E–.06**	**54–9**		**23**	**0-60**
IDC	V	02 17 39 14.8–7.1	36.69N	140.75E	0	3.4,3.2b		¶13678241
ISCJB	V	02 17 39 26.4–.73	36.10N–.04	139.90E–.06	63–5	3.4b,3.2b		
JMA	V	02 17 39 27.7–.10	36.10N	139.87E	49–1	3.1,3.2b		

ISC Event type ke.
IDC Error ellipse: s-maj=152.0km s-min=38.5km az=27.0.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=7.3km az=173.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(221) Kuril Islands

ISC	**V**	**02 19 16 41.6–.92**	**44.13N–.07**	**147.40E–.07**	**109–7**	**4.1b**	**78**	**1-82**
NIED	V	02 19 16 00	44.00N	147.30E	92	3.8W		¶13439286
ISCJB	V	02 19 16 40.8–.55	44.15N–.06	147.39E–.07	116–4	4.1b		
MOS	V	02 19 16 42.0–1.2	44.42N	147.26E	117	4.3b		
JMA	V	02 19 16 43.2–.30	43.99N	147.34E	102–4	4.2		
IDC	V	02 19 16 44.6–2.3	44.48N	147.25E	121–19	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s54.00000°,δ78.00000°,λ116.00000°. NP2:ϕ_s169.00000°,δ28.00000°,λ27.00000°. $M_0$6.55000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=5.6km az=142.6.
MOS Error ellipse: s-maj=12.0km s-min=9.1km az=100.6.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=32.3km s-min=11.9km az=166.0.

(460) Wyoming

ISC	**V**	**02 20 00 49.9–.65**	**43.60N–.02**	**105.25W–.02**	**0**		**92**	**0-68**
IDC	V	02 20 00 48.2–2.2	43.35N	105.29W	0	3.7b,3.7		¶13678246
ISCJB	V	02 20 00 49.4–.24	43.62N–.02	105.25W–.03	0	4.0b,2.9s		
NEIC	V	02 20 00 50.2–.41	43.66N	105.19W	0	3.1L,2.9s		

ISC Event type sm.
IDC Error ellipse: s-maj=51.5km s-min=8.4km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.9km s-min=2.4km az=39.7.
NEIC Event type fm. Error ellipse: s-maj=5.9km s-min=5.2km az=150.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(173) Tonga Islands

ISC	**V**	**03 01 20 20.3–.44**	**18.74S–.07**	**173.80W–.08**	**73–3**	**4.7b**	**292**	**5-173**
IDC	V	03 01 20 10.7–.48	18.60S	173.76W	0	4.7,4.6		¶12750403
ISCJB	V	03 01 20 17.9–.25	18.70S–.05	173.89W–.07	65	4.6b,4.6		
MOS	V	03 01 20 17.8–2.7	18.46S	174.30W	33	5.1b,4.6		
NEIC	V	03 01 20 18.9–3.2	18.60S	173.86W	61–27	4.8b,4.6		
BJI	V	03 01 20 18.4	19.27S	173.78W	83	5.2b,5.1s		
SZGRF	V	03 01 20 22.3	18.83S	173.35W	78	5.2b,5.1s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=13.0km az=125.0.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=6.1km az=27.2.
MOS Error ellipse: s-maj=14.9km s-min=12.7km az=56.3.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=8.8km az=130.0. Felt at Neiafu.
SZGRF Tonga Islands.

(70) Guatemala

ISC	**V**	**03 16 21 46.5–.23**	**14.62N–.03**	**91.19W–.03**	**115–1**	**5.6b**	**1870**	**0-160**
BGS	V	03 16 21 28.9–1.4	13.61N	91.34W	24	5.5b,5.3s		¶13439296
CASC	V	03 16 21 37.8–2.4	14.89N	91.80W	157–28	6.1L,5.6b		
MOS	V	03 16 21 43.9–1.0	14.66N	91.04W	106	5.6b,5.4s		
NEIC	V	03 16 21 45.3–.16	14.55N	91.14W	108	6.2W,6.2W		
IDC	V	03 16 21 46.6–.49	14.76N	90.94W	111–3	5.4s,5.4		
ISCJB	V	03 16 21 47.5–.33	14.59N–.02	91.16W–.02	142–2	5.4b,5.4		
GCMT	V	03 16 21 49.8–.10	14.56N	91.50W	90–0	6.3W,5.4		
MEX	V	03 16 21 51.1–.24	14.53N	91.89W	77–5	5.3,5.4		
SZGRF	V	03 16 21 57.4	14.93N	87.83W	123	6.0b,5.4		

ISC Event type fe.
BGS Error ellipse: s-maj=359.2km s-min=355.8km az=-1.0.
CASC Error ellipse: s-maj=39.6km s-min=28.2km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=89.7.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=33.0. Felt [V] at Atitlan, Chichicastenango and Petapa; [IV] at Antigua Guatemala, Chimaltenango, Guatemala, Quetzaltenango, San Jose, Villa Canales and Villa Nueva; [III] at Mixco and Panajachel. Felt in most of southern Guatemala. Felt [III] at San Salvador, El Salvador. Also felt at Concepcion de Ataco, Opico and Sonsonate. Felt [II] at Tegucigalpa, Honduras. Also felt at Tapachula, Mexico. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ85.00000°,λ90.00000°. NP2: ϕ_s315.00000°,δ5.00000°,λ90.00000°. Principal axes: T Plg50.0000°,Azm45.0000° ; N Plg0.0000°,Azm0.0000°; P Plg40.0000°,Azm225.0000° Moment Tensor Solution. s68 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.23 $M_{\theta\theta}$0.44 $M_{\phi\phi}$-0.22 $M_{r\theta}$1.65 $M_{\theta\phi}$-0.16 $M_{\phi r}$-1.68 Best double couple: NP1:ϕ_s66.00000°,δ9.00000°,λ-159.00000°. NP2:ϕ_s315.00000° ,δ87.00000°,λ-82.00000°. Principal axes: T 2.4100,Plg41.0000°,Azm37.0000° ; N -0.0500,Plg7.0000°,Azm134.0000°; P -2.3700,Plg47.0000°,Azm233.0000° $M_0$2.40000×10^{18} Moment Tensor Solution. $M_0$4.70000×10^{18}
IDC Error ellipse: s-maj=9.6km s-min=5.5km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=33.9.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=104, comp=241, per= 50. Moment Tensor Solution. s116,c281; s91,c147; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.10±.02 $M_{\theta\theta}$1.34±.02; $M_{\phi\phi}$-0.24±.03; $M_{r\theta}$1.99±.02; $M_{\theta\phi}$-1.31±.02; $M_{\phi r}$-1.90±.02; Best double couple: NP1:ϕ_s89.00000°,δ19.00000°,λ-134.00000°. NP2:ϕ_s316.00000°,δ76.00000°,λ-76.00000°. Principal axes: T 3.6200,Plg30.0000°,Azm34.0000°; N -0.8100,Plg13.0000°,Azm132.0000° ; P -2.8100,Plg57.0000°,Azm244.0000° $M_0$3.20000×10^{18}
MEX Error ellipse: s-maj=6.4km s-min=6.0km az=-1.0.
SZGRF Honduras.

(35) Near coast of northern California

ISC	**V**	**03 17 54 05.7–.66**	**40.80N–.06**	**124.16W–.07**	**27**	**3.9b**	**74**	**0-91**
IDC	V	03 17 54 02.2–1.3	40.76N	124.03W	0	3.9,3.6		¶12750536
ISCJB	V	03 17 54 04.0–.53	40.76N–.03	124.16W–.07	27	4.0s,3.7b		
BJI	V	03 17 54 04.0	40.70N	124.20W	21	5.0b,4.7s		
NEIC	V	03 17 54 05.2	40.75N	124.16W	21	4.2W,4.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.8km s-min=12.1km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.1km az=164.7.
NEIC Event type fe. Felt [IV] at Samoa; [III] at Arcata, Bayside, Blue Lake, Eureka, Hydesville, McKinleyville, Trinidad and Willow Creek; [II] at Ferndale, Fortuna, Kneeland, Loleta and Rio Dell. Also felt at Carlotta, Korbel, Orick and Scotia. After NCEDC. Moment Tensor Solution. $M_0$2.20000×10^{15}

(116) Central Peru

ISC	**V**	**03 18 24 01.2–.97**	**14.36S–.09**	**76.19W–.09**	**29**	**3.7b**	**16**	**2-147**
IDC	V	03 18 23 57.7–1.2	14.41S	76.35W	0	3.9,3.8		¶13678293
ISCJB	V	03 18 23 60.0–.80	14.30S–.09	76.28W–.08	29	4.0s,3.7b		
NEIC	V	03 18 24 06.8–1.9	13.74S	75.94W	35	4.4b,4.2L		

ISC Event type fe.
IDC Error ellipse: s-maj=42.6km s-min=14.3km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=13.6km s-min=10.0km az=32.8.
NEIC Event type fe. Error ellipse: s-maj=40.0km s-min=10.8km az=45.0. Felt [II] at Ica and Pisco.

(259) Mindanao

ISC	**V**	**03 23 20 18.1–.37**	**7.58N–.03**	**124.32E–.03**	**21–2**	**4.3b,3.5s**	**112**	**0-144**
IDC	V	03 23 20 14.5–.48	7.48N	124.25E	0	4.4,4.4		¶15154077
ISCJB	V	03 23 20 18.0–.63	7.53N–.03	124.30E–.03	32–5	4.2b,3.4s		
MAN	V	03 23 20 18	7.64N	124.31E	22	5.2b,4.4s		
NEIC	V	03 23 20 20.5–1.6	7.50N	124.41E	44–15	4.4b,4.4s		
BJI	V	03 23 20 23.2	7.80N	124.80E	60	4.9b,4.7s		
AUST	V	03 23 20 28.5–3.1	6.33N	125.23E	16–0	4.9b,4.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.6km s-min=10.2km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.9km az=44.2.
MAN Event type fe. INTENSITY III - COTABATO CITY.
NEIC Event type fe. Error ellipse: s-maj=14.1km s-min=6.6km az=72.0. Felt [III PIVS] at Cotabato.
AUST Error ellipse: s-maj=2.3km s-min=1.0km az=289.0.

(196) Irian Jaya region

ISC	**V**	**04 03 33 51.9–.24**	**3.59S–.03**	**135.49E–.03**	**53–1**	**5.6b,4.8s**	**985**	**2-167**
AUST	V	04 03 33 45.8–.79	3.62S	135.53E	0–0	5.6b,4.8s		¶15154101
BJI	V	04 03 33 47.7	3.75S	135.96E	58	5.6b,5.4b		
MOS	V	04 03 33 48.7–.97	3.45S	135.45E	33	5.8b,4.5s		
ISCJB	V	04 03 33 50.1–.42	3.56S–.02	135.55E–.02	49–3	5.6b,4.7s		
NEIC	V	04 03 33 52.4–.66	3.54S	135.50E	57–5	5.6b,5.5W		
TEH	V	04 03 33 52.0	3.56S	135.53E	51	5.6L,5.5W		
IDC	V	04 03 33 52.7–.46	3.54S	135.43E	55–3	5.1,5.1		
DJA	V	04 03 33 53.3–.20	4S–2.0	136E–2.0	45–3	5.9b,5.8		
GCMT	V	04 03 33 55.9–.10	3.62S	135.53E	57–0	5.4W,5.8		

ISC Event type fe.
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=37.0.
MOS Error ellipse: s-maj=9.3km s-min=5.0km az=112.8.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.1km az=138.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.4km az=64.0. Felt [III] at Nabire. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}1.64 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$-0.90 $M_{r\theta}$-0.03 $M_{\theta\phi}$1.00 $M_{\phi r}$0.02 Best double couple: NP1:ϕ_s317.00000°,δ46.00000°,λ89.00000°. NP2: ϕ_s138.00000°,δ44.00000°,λ91.00000°. Principal axes: T 1.6400,Plg89.0000°,Azm188.0000° ; N 0.1800,Plg0.0000°,Azm317.0000°; P -1.8200,Plg0.0000°,Azm47.0000° $M_0$1.70000×10^{17}
IDC Error ellipse: s-maj=12.8km s-min=7.8km az=74.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 91, comp=155, per= 50. Moment Tensor Solution. s91,c168; s16,c17; Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.02 $M_{\theta\theta}$-1.55±.02; $M_{\phi\phi}$0.33±.02; $M_{r\theta}$0.31±.02; $M_{\theta\phi}$0.25±.02; $M_{\phi r}$-0.37±.02; Best double couple: NP1:ϕ_s260.00000°,δ41.00000°,λ63.00000°. NP2:ϕ_s114.00000°,δ55.00000°,λ112.00000°. Principal axes: T 1.3700,Plg71.0000°,Azm77.0000°; N 0.2600,Plg18.0000°,Azm281.0000° ; P -1.6300,Plg7.0000°,Azm189.0000° $M_0$1.50000×10^{17}

(73) El Salvador

ISC	**V**	**04 05 17 51.6–.81**	**13.90N–.03**	**89.72W–.03**	**11–5**	**4.6b,4.1s**	**127**	**0-147**
CASC	V	04 05 17 50.4	13.90N	89.74W	1	4.7b,4.4		¶12750560
IDC	V	04 05 17 50.4–.82	13.94N	89.61W	0	4.4,4.3L		
ISCJB	V	04 05 17 50.8–.43	13.90N–.04	89.74W–.03	11–3	4.5b,4.1s		
NEIC	V	04 05 17 57.2–1.2	13.93N	89.71W	49–11	4.7b,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=29.2km s-min=14.4km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.8km az=31.3.
NEIC Event type fe. Error ellipse: s-maj=13.0km s-min=5.7km az=56.0. Felt [V] at Atiquizaya and [II] at San Salvador. Also felt at Sonsonate. Felt at Guatemala and Jalapa, Guatemala.

(193) Bougainville - Solomon Islands region

ISC	**V**	**04 09 06 24.6–.27**	**10.31S–.04**	**161.59E–.04**	**82–1**	**5.0b**	**310**	**2-160**
ISCJB	V	04 09 06 23.7–.67	10.22S–.03	161.51E–.03	85–6	4.9b		¶15154104
MOS	V	04 09 06 23.8–.90	10.25S	161.42E	87	5.3s,5.2b		
IDC	V	04 09 06 23.8–.47	10.26S	161.43E	74–3	4.7,4.7		
BJI	V	04 09 06 23.7	10.05S	161.86E	92	5.0b,4.9b		
NEIC	V	04 09 06 23.6–.21	10.21S	161.53E	72	5.1b,4.9b		
GCMT	V	04 09 06 25.6–.20	10.20S	161.43E	62–2	5.1W,4.9b		
AUST	V	04 09 06 26.9	10.27S	161.48E	100	5.1W,4.9b		
DJA	V	04 09 06 30.3–1.1	10S–5.0	162E–6.0	126–13	5.6b,5.2b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Honiara.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s47,c65; s83,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}2.95±.20 $M_{\theta\theta}$0.01±.15; $M_{\phi\phi}$-2.96±.15; $M_{r\theta}$-0.74±.11; $M_{\theta\phi}$3.60±.13; $M_{\phi r}$-4.08±.11; Best double couple: NP1:ϕ_s292.00000°,δ39.00000°,λ29.00000°. NP2:ϕ_s179.00000°,δ72.00000°,λ125.00000°. Principal axes: T 6.0300,Plg50.0000° ,Azm128.0000°; N 0.3900,Plg33.0000°,Azm346.0000°; P -6.4200,Plg19.0000° ,Azm243.0000° $M_0$6.20000×10^{16}

(97) Near coast of Venezuela

ISC	**V**	**04 09 10 20.4–.53**	**10.19N–.02**	**67.03W–.02**	**8–2**	**5.3b,5.0s**	**852**	**0-172**
IDC	V	04 09 10 18.7–.36	10.17N	66.89W	0	7.3L,5.1		¶12750567
LDG	V	04 09 10 18.4–.21	10.21N	66.91W	10	5.3b,4.8s		
ISCJB	V	04 09 10 19.4–.39	10.22N–.02	67.00W–.01	10–2	5.2b,5.0s		
NEIC	V	04 09 10 20.9	10.20N	67.01W	6	5.5W,5.4b		
FUNV	V	04 09 10 20.3	10.21N	67.03W	2	5.6W,5.4b		
INMG	V	04 09 10 21.5	10.23N	66.89W	10	5.5W,5.4b		
MOS	V	04 09 10 22.8–1.1	10.23N	66.96W	33	5.5b,4.9s		
GCMT	V	04 09 10 23.4–.10	10.26N	67.15W	12	5.4W,4.9s		
SZGRF	V	04 09 10 25.2	9.48N	65.97W	33	5.1b,4.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=13.6km s-min=9.2km az=99.0.
LDG Event type ke. Error ellipse: s-maj=18.7km s-min=7.9km az=122.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.0km az=179.7.
NEIC Event type fe. Felt [VI] at Las Tejerias; [V] at Cagua, Cua, El Limon, Guatire, La Victoria, Ocumare del Tuy and San Antonio de Los Altos; [IV] at Baruta, Calabozo, Caraballeda, Caracas, Carrizal, Chacao, Charallave, El Cafetal, El Hatillo, Guarenas, La Dolorita, Los Dos Caminos, Los Teques, Maiquetia, Maracay, Palo Negro, Petare, San Juan de los Morros, Turmero and Villa de Cura; [III] at Mariara, Puerto Cabello and Valencia. Also felt at Acarigua, Barcelona, Barquisimeto, Cabudare, Caucaguita, Ciudad Bolivar, Cuidad Guayana, Guacara, Guanare, La Guaira, Nirgua, Puerto Ayacucho, San Carlos, San Felipe, San Joaquin and Santa Teresa. After CAR. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}0.07 $M_{\theta\theta}$1.32 $M_{\phi\phi}$-1.39 $M_{r\theta}$0.21 $M_{\theta\phi}$-1.90 $M_{\phi r}$-0.59 Best double couple: NP1:ϕ_s72.00000°,δ75.00000°,λ179.00000°. NP2:ϕ_s162.00000°,δ89.00000°,λ15.00000°. Principal axes: T 2.3900,Plg11.0000°,Azm28.0000°; N 0.0500,Plg74.0000°,Azm166.0000° ; P -2.4400,Plg9.0000°,Azm296.0000° $M_0$2.40000×10^{17}
MOS Error ellipse: s-maj=5.9km s-min=4.5km az=67.8.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 95, comp=195, per= 50. Moment Tensor Solution. s73,c128; s25,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}0.17±.02 $M_{\theta\theta}$1.25±.02; $M_{\phi\phi}$-1.42±.02; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$-0.86±.02; $M_{\phi r}$-0.22±.05; Best double couple: NP1:ϕ_s62.00000°,δ85.00000°,λ-176.00000°. NP2:ϕ_s331.00000°,δ86.00000°,λ-5.00000°. Principal axes: T 1.5000,Plg1.0000°,Azm16.0000°; N 0.2000,Plg83.0000°,Azm111.0000° ; P -1.7000,Plg7.0000°,Azm286.0000° $M_0$1.60000×10^{17}
SZGRF Venezuela.

(73) El Salvador

ISC	**V**	**04 10 43 46.8–.77**	**13.83N–.04**	**89.73W–.03**	**10–4**	**4.2b,4.0s**	**74**	**0-146**
IDC	V	04 10 43 45.4–.98	13.84N	89.59W	0	4.2,4.0		¶13439318
CASC	V	04 10 43 46.5	13.87N	89.71W	0	4.3L,4.2b		
ISCJB	V	04 10 43 46.2–.50	13.80N–.04	89.77W–.04	16–3	4.1b,3.9s		
NEIC	V	04 10 43 51.6–1.4	13.93N	89.46W	42–12	4.2b,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=33.1km s-min=18.7km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.5km az=39.2.
NEIC Event type fe. Error ellipse: s-maj=18.1km s-min=7.2km az=58.0. Felt [III] at Los Naranjos.

(460) Wyoming

ISC	**V**	**04 19 06 35.1–.65**	**43.64N–.02**	**105.26W–.02**	**0**		**96**	**0-62**
IDC	V	04 19 06 33.3–2.1	43.42N	105.24W	0	4.3b,3.8		¶13678349
NEIC	V	04 19 06 35.8–.45	43.67N	105.16W	0	3.1L,3.8		
ISCJB	V	04 19 06 35.4–.25	43.68N–.01	105.26W–.03	0	4.5b,3.8		

ISC Event type sm.
NEIC Event type fm. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.
ISCJB Event type fm.

(228) Near east coast of eastern Honshu

ISC	**V**	**04 19 51 38.0–.76**	**38.72N–.04**	**141.60E–.06**	**73–6**	**3.8b**	**54**	**0-146**
NIED	V	04 19 51 00	38.70N	141.50E	77	4.1W		¶13678351
ISCJB	V	04 19 51 37.1–.45	38.75N–.03	141.57E–.06	78–2	3.8b		

JMA V 04 19 51 38.3 38.73N 141.50E 71–1 3.9
IDC V 04 19 51 40.9–2.4 38.70N 141.41E 97–22 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s172.00000°,δ67.00000°,λ76.00000°. NP2:ϕ_s25.00000°,δ26.00000°,λ121.00000°. $M_0$1.63000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=5.0km az=24.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s162.00000°,δ80.00000°,λ67.00000°. NP2:ϕ_s49.00000°,δ25.00000°,λ155.00000°. Principal axes: T Plg50.0000°,Azm46.0000°; N Plg23.0000°,Azm166.0000°; P Plg31.0000° ,Azm271.0000°
IDC Error ellipse: s-maj=18.2km s-min=16.6km az=135.0.

(121) Off coast of northern Chile

ISC V 04 23 40 51.2–1.3 18.32S–.04 71.70W–.06 20–9 4.5s,4.3b 104 1-162
IDC V 04 23 40 48.4–.66 18.11S 71.31W 0 4.3,4.3L ¶12750579
ISCJB V 04 23 40 50.4–1.6 18.35S–.03 71.74W–.04 27–12 4.5s,4.2b
NEIC V 04 23 40 51.0–2.9 18.28S 71.67W 16–18 4.3b,4.2b
GUC V 04 23 40 51.2–.83 18.72S 71.71W 25–17 4.9L,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=25.8km s-min=16.7km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.5km az=149.3.
NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=6.6km az=70.0. Felt [II] at Arequipa, Peru.
GUC Error ellipse: s-maj=12.4km s-min=6.2km az=-1.0.

(495) Eastern Arizona

ISC V 05 00 58 23.0–.77 33.04N–.02 109.27W–.02 0 68 1-6
NEIC V 05 00 58 20.8–.82 32.89N 109.24W 0 2.6L ¶14598052
ISCJB V 05 00 58 21.1–.32 33.13N–.02 109.38W–.02 0 2.6L
ISC Event type sm.
NEIC Event type fm. 20 km [10 miles] S of Clifton. Suspected Mining explosion.
ISCJB Event type fm.

(544) Switzerland

ISC V 05 01 39 23.7–.50 47.672N–.01 7.716E–.01 18–2 1166 0-79
BJI V 05 01 39 20.2 48.29N 6.83E 7 4.9b,4.8s ¶12750583
MOS V 05 01 39 22.0–1.2 47.69N 7.72E 10 4.3b,4.8s
PRU V 05 01 39 22.4 47.77N 7.62E 2 4.3b,4.8s
IDC V 05 01 39 22.5–1.4 47.75N 7.63E 0 3.8L,3.5
CSEM V 05 01 39 23.7–.06 47.67N 7.72E 10 4.6L,3.6W
ISCJB V 05 01 39 24.8–.18 47.66N–.01 7.73E–.02 28–1 4.0b,3.6W
LDG V 05 01 39 24.6–.05 47.67N 7.79E 10 4.5L,4.2
NEIC V 05 01 39 24.9 47.67N 7.73E 10 4.5L,4.2L
BGR V 05 01 39 24.9–.23 47.72N 7.76E 10 4.5L,4.2L
STR V 05 01 39 24.9–.12 47.67N 7.73E 10 4.0L,4.2L
ZUR V 05 01 39 25.1 47.68N 7.74E 12–0 4.2L,4.2L
GEN V 05 01 39 25.7 47.56N 7.81E 1 4.1L,4.2L
BNS V 05 01 39 27.1–1.0 47.70N 7.77E 10 3.9L,4.2L
ISC Event type fe.
MOS Error ellipse: s-maj=4.3km s-min=2.9km az=71.4.
IDC Error ellipse: s-maj=16.1km s-min=12.7km az=162.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=149.0.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.7km az=25.2.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=155.0.
NEIC Event type fe. Felt [II] at Mulhouse, France. Also felt at Bartenheim, Bruebach, Brunstatt, Gerstheim, Gries, Huningue, Jungholtz, Kembs, Marckolsheim, Munster, Muntzenheim, Rhinau, Saales, Saint-Louis, Steinbrunn-le-Bas and Waltenheim. Felt at Friesenheim and Marktoberdorf, Germany. Felt [III] at Basel and [II] at Reinach, Switzerland. Also felt at Aarau, Aesch, Allschwil, Arlesheim, Augst, Baden, Bettingen, Binningen, Bottmingen, Brugg, Freienbach, Frenkendorf, Holderbank, Lausanne, Lausen, Liestal, Luzern, Matzendorf, Nunningen, Oberendingen, Oberwil, Olten, Pfeffingen, Pratteln, Riehen, Schaffhausen, Thun and Wilchingen. After STR. Moment Tensor Solution. $M_0$3.10000×10^{14}
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=75.0.
STR Event type ke.
ZUR Event type ke.
BNS Event type ke.

(95) Windward Islands

ISC V 05 05 33 03.9–1.2 10.94N–.04 62.05W–.03 67–10 51 0-9
ISCJB V 05 05 33 03.6–.41 10.95N–.03 62.09W–.03 73–8 ¶14772025
FUNV V 05 05 33 05.0 10.94N 61.92W 38 3.7W
TRN V 05 05 33 07.1 11.10N 61.85W 20 3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=139.5.
TRN Event type fe. Felt Trinidad II.

(238) Ryukyu Islands

ISC V 05 08 02 48.3–.57 29.22N–.04 130.00E–.07 55–5 4.2b,3.9s 105 1-159
NIED V 05 08 02 00 29.20N 130.00E 38 4.8W,3.9s ¶13678377
JMA V 05 08 02 46.3–.10 29.23N 129.95E 67–3 4.3,3.9s
ISCJB V 05 08 02 46.7–.36 29.19N–.03 130.03E–.06 54–3 4.2b,3.8s
NEIC V 05 08 02 48.8–.75 29.16N 130.06E 61–6 4.4b,3.8s
IDC V 05 08 02 48.7–.67 29.20N 129.98E 59–6 4.0,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ83.00000°,λ78.00000°. NP2:ϕ_s287.00000°,δ14.00000°,λ152.00000°. $M_0$1.61000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=3.1km az=24.5.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=6.8km az=122.0. Recorded [1 JMA] on Akuseki-jima and Amami-oshima.
IDC Error ellipse: s-maj=17.7km s-min=11.5km az=71.0.

(109) Near coast of northern Peru

ISC V 05 16 11 02.8–.44 3.26S–.06 81.81W–.09 35 4.4b,3.9s 89 5-165
IDC V 05 16 10 58.0–.86 3.14S 81.78W 0 4.4L,4.3 ¶12754088
ISCJB V 05 16 11 01.4–.42 3.21S–.05 81.81W–.06 33 4.2b,4.0s
NEIC V 05 16 11 02.2–.36 3.21S 81.75W 28 4.5b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=48.8km s-min=15.1km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=6.0km az=146.3.
NEIC Event type fe. Error ellipse: s-maj=13.6km s-min=6.8km az=54.0. Felt at Tumbes.

(460) Wyoming

ISC V 05 21 09 16.3–.96 43.78N–.05 105.54W–.05 0 33 1-31
ISCJB V 05 21 09 13.5–.78 43.98N–.05 105.49W–.05 0 3.2b ¶13678408
NEIC V 05 21 09 16.0–1.3 43.86N 105.41W 0 3.2L
IDC V 05 21 09 16.8–1.7 43.57N 105.41W 0 3.5,3.3
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=7.9km s-min=4.6km az=28.7.
NEIC Event type fm. Error ellipse: s-maj=19.5km s-min=17.6km az=144.0. 50 km [30 miles] S of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=38.1km s-min=9.1km az=148.0.

(1) Central Alaska

ISC V 05 21 31 17.3–.46 62.27N–.03 149.41W–.03 58–4 4.2b,3.4s 212 0-146
MOS V 05 21 31 10.4–.86 62.56N 149.59W 10 4.9b,3.4s ¶12754319
ISCJB V 05 21 31 16.7–.18 62.24N–.02 149.35W–.04 72–2 4.1b,3.4s
IDC V 05 21 31 17.4–.70 62.36N 149.52W 57–5 3.8,3.8
NEIC V 05 21 31 18.5 62.23N 149.35W 44 3.8L,3.8
ISC Event type fe.
MOS Error ellipse: s-maj=19.0km s-min=6.5km az=93.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=31.8.
IDC Error ellipse: s-maj=15.5km s-min=11.3km az=27.0.
NEIC Event type fe. Felt [IV] at Sutton, [III] at Talkeetna and [II] at Anchorage and Palmer. Also felt at Big Lake, Eagle River and Wasilla. After AEIC.

(224) Hokkaido region

ISC V 06 12 12 33.7–.77 41.94N–.04 142.44E–.04 64–7 3.9b 45 0-76
NIED V 06 12 12 00 42.00N 142.40E 50 3.9W ¶13439358
ISCJB V 06 12 12 32.8–.36 41.93N–.03 142.44E–.05 73–3 3.8b
JMA V 06 12 12 33.4–.20 41.92N 142.46E 64–2 3.7
IDC V 06 12 12 34.3–1.7 41.94N 142.47E 72–14 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ69.00000°,λ88.00000°. NP2:ϕ_s211.00000°,δ21.00000°,λ94.00000°. $M_0$7.89000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.1km az=42.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s42.00000°,δ81.00000°,λ99.00000°. NP2: ϕ_s176.00000°,δ12.00000°,λ45.00000°. Principal axes: T Plg53.0000°,Azm322.0000° ; N Plg9.0000°,Azm220.0000°; P Plg36.0000°,Azm124.0000°
IDC Error ellipse: s-maj=19.5km s-min=11.0km az=113.0.

(235) Kyushu

JMA V 06 14 39 29.3 32.06N 129.84E 10–1 3.3
NIED V 06 14 39 00 32.10N 129.90E 5 3.7W ¶14475961
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s291.00000°,δ79.00000°,λ-52.00000°. NP2:ϕ_s35.00000°,δ39.00000°,λ-163.00000°. $M_0$4.37000×10^{14}

(88) Dominican Republic region

ISC V 06 21 28 41.6–1.1 19.30N–.08 70.26W–.04 46–15 3.6b 37 1-69
IDC V 06 21 28 36.9–3.5 19.85N 69.80W 0 3.9,3.6 ¶12757546
NEIC V 06 21 28 37.7–.54 19.30N 70.22W 10 4.2L,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=133.6km s-min=30.4km az=24.0.
NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=6.0km az=17.0. Felt at Baitoa, Jamao al Norte and Nagua.

(263) Talaud Islands

ISC V 06 21 39 00.9–.38 3.77N–.03 126.66E–.05 84–2 4.5b 225 1-157
BJI V 06 21 38 52.7 3.18N 126.84E 74 4.9b,4.6b ¶15154175
IDC V 06 21 38 55.5–2.2 3.78N 126.44E 39–18 4.2,4.2
DJA V 06 21 38 56.1–1.7 4N–5.0 127E–4.0 21–13 5.2b,5.2
ISCJB V 06 21 38 56.9–.47 3.83N–.03 126.73E–.03 69–4 4.5b,5.2
AUST V 06 21 38 59.6–.27 3.77N 126.85E 78–0 4.5b,5.2
NEIC V 06 21 39 01.8–1.2 3.80N 126.61E 97–11 4.6b,5.2
ISC Event type fe.
IDC Error ellipse: s-maj=22.5km s-min=9.0km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=155.3.
AUST Error ellipse: s-maj=1.0km s-min=0.7km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=6.7km az=78.0. Felt [II] in the Kepulauan Talaud.

(277) Jawa

ISC V 07 07 03 36.1–.41 8.06S–.05 109.08E–.04 83–2 4.6b 260 0-156
MOS V 07 07 03 32.1–.94 7.86S 109.15E 63 4.9b ¶12824808
IDC V 07 07 03 33.2–2.4 7.92S 109.08E 56–21 4.3,4.3
DJA V 07 07 03 34.3–.60 8S–3.0 109E–1.0 25–5 6.3,5.7b
BJI V 07 07 03 34.2 8.10S 109.00E 79 5.1b,4.8b
ISCJB V 07 07 03 35.2–.35 8.06S–.04 109.11E–.03 95–2 4.5b,4.8b
NEIC V 07 07 03 37.5–1.1 7.99S 109.04E 96–9 4.4b,4.8b
ISC Event type fe.
MOS Error ellipse: s-maj=13.4km s-min=7.3km az=112.6.
IDC Error ellipse: s-maj=15.5km s-min=10.6km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=3.6km az=22.9.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=5.3km az=54.0. Felt [III] at Cilacap.

(211) Southeast of Honshu

ISC V 07 09 42 53.0–1.2 33.31N–.05 140.56E–.07 50–10 3.8b 43 1-119
IDC V 07 09 42 52.5–2.6 33.29N 140.65E 48–19 3.7,3.6 ¶13678490
ISCJB V 07 09 42 52.3–.67 33.34N–.03 140.54E–.06 59–5 3.7b,3.6
JMA V 07 09 42 53.0–.10 33.36N 140.54E 49–4 3.8,3.6
NIED V 07 09 43 00 33.40N 140.50E 41 3.7W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=45.7km s-min=13.4km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.3km az=12.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ83.00000°,λ-28.00000°. NP2:ϕ_s316.00000°,δ62.00000°,λ-172.00000°. $M_0$4.18000×10^{14}

(546) Austria

ISC V 07 21 27 14.9–.56 47.61N–.01 15.64E–.01 14–3 4.2b,3.5s 1116 0-86
BJI V 07 21 27 08.8 47.45N 14.73E 10 4.8b,4.5s ¶12784416
BEO V 07 21 27 11.5–.87 47.77N 15.68E 1–6 4.2L,4.5s
MOS V 07 21 27 12.4–.96 47.57N 15.65E 10 4.4b,4.5s
NEIC V 07 21 27 12.6 47.57N 15.68E 12 4.5L,4.3L
LDG V 07 21 27 12.6–.09 47.56N 15.84E 2 4.5L,4.5
VIE V 07 21 27 12.8–.32 47.58N 15.69E 12 4.3L,3.7b
IPEC V 07 21 27 13.4–.08 47.60N 15.74E 6–0 4.3L,3.7b
PRU V 07 21 27 13.4 47.62N 15.76E 0 4.1,3.7b
PDG V 07 21 27 13.2–.59 47.59N 15.76E 10–1 4.0L,3.7b
IDC V 07 21 27 13.4–.57 47.54N 15.68E 0 4.1,4.0
CSEM V 07 21 27 13.5–.05 47.60N 15.71E 2 4.8L,4.2W
BGR V 07 21 27 15.7–.28 47.59N 15.65E 10 4.6L,4.2W
BNS V 07 21 27 16.7–.38 47.86N 15.85E 10 4.5L,4.2W
STR V 07 21 27 23.9–.55 47.54N 14.59E 5 4.5L,4.2W
ISC Event type fe.
BEO Event type ke.
MOS Error ellipse: s-maj=3.7km s-min=3.2km az=144.9.
NEIC Event type fe. Felt [II] at Vienna. Also felt at Bruck an der Mur, Gleisdorf, Graz, Kindberg, Murzzuschlag and Weiz. After VIE. Moment Tensor Solution. $M_0$2.30000×10^{15}
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=9.0.
VIE Event type fe. Error ellipse: s-maj=3.5km s-min=1.9km az=123.0. 4 km SSE of Mrzzuschlag . felt 6 ems98 at Mrzzuschlag / STYRIA.
IPEC Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=128.0.
PRU Felt In Bystrice N. Pernstejnem.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
IDC Error ellipse: s-maj=10.4km s-min=7.5km az=22.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=171.0.
BGR Event type fe. Error ellipse: s-maj=5.6km s-min=4.4km az=99.0. Slight damage of buildings in Muerzzuschlag and Spital, e.g. cracks in walls, plaster fell off.
BNS Event type ke.
STR Event type ke.

(136) Central Chile

ISC V 07 21 51 14.9–.53 35.61S–.03 71.40W–.06 92–5 4.2b 90 0-157
NEIC V 07 21 51 14.7 35.62S 71.40W 88 4.3b ¶13678523
GUC V 07 21 51 14.7–.50 35.62S 71.40W 88–3 4.4L
ISCJB V 07 21 51 14.0–.34 35.65S–.03 71.35W–.08 96–4 4.1b
IDC V 07 21 51 15.4–.76 35.54S 71.24W 93–6 4.1,4.0
ISC Event type fe.
NEIC Event type fe. Felt [III] at Talca, [II] at Linares and Parral. After GUC.
GUC Error ellipse: s-maj=1.9km s-min=4.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=3.6km az=22.8.
IDC Error ellipse: s-maj=19.7km s-min=10.9km az=106.0.

(163) Cook Strait

WEL V 07 22 39 52.6–.05 41.27S 174.83E 29–0 3.7L
¶14301638
WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0. Felt from Manawatu to Marlborough, maximum reported intensity MM 5.

(353) Southern Iran

ISC V 07 22 44 02.6–.28 25.41N–.03 57.06E–.02 29–1 5.3b,4.4s 1513 1-132
BJI V 07 22 43 57.7 25.52N 56.64E 20 5.1b,5.0b ¶13439399
IDC V 07 22 43 58.3–.44 25.30N 57.11E 0 5.1,5.1
OMAN V 07 22 44 00.4–46 25.39N 57.08E 6–5 5.1,5.1
ISCJB V 07 22 44 00.5–.51 25.41N–.02 57.07E–.02 24–3 5.2b,4.4s
DJA V 07 22 44 00.4–.30 25N–6.0 57E–4.0 10 5.5b,5.0b
GCMT V 07 22 44 01.5–.30 25.16N 57.03E 25–1 5.0W,5.0b
MOS V 07 22 44 02.1–.75 25.45N 57.02E 33 5.5b,4.1s
CSEM V 07 22 44 04.3–.08 25.42N 57.09E 40 5.3b,5.0W
THR V 07 22 44 04.0–.77 25.73N 56.98E 14–8 4.9L,5.0W
BGS V 07 22 44 04.7–1.9 25.61N 57.22E 40 5.4b,5.0W
NEIC V 07 22 44 04.4–.48 25.45N 57.03E 39–4 5.4b,5.0W
TEH V 07 22 44 06.8 25.69N 57.05E 21 4.8L,5.0W
SZGRF V 07 22 44 13.9 25.06N 54.64E 33 5.3b,5.0W
NSSC V 07 22 44 15.6–2.8 26.28N 55.89E 5–999 5.3b,5.0W
ISC Event type fe.
IDC Error ellipse: s-maj=11.5km s-min=8.2km az=29.0.
OMAN Error ellipse: s-maj=8.0km s-min=4.4km az=253.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=10.9.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s30,c37; s69,c98; Moment tensor: Scale $M_0$10^{16}Nm; M_{rr}2.80±.22 $M_{\theta\theta}$-2.25±.17; $M_{\phi\phi}$-0.55±.15; $M_{r\theta}$2.41±.38; $M_{\theta\phi}$-3.14±.12; $M_{\phi r}$1.66±.38; Best double couple: NP1:ϕ_s227.00000°,δ26.00000°,λ82.00000°. NP2:ϕ_s56.00000°,δ64.00000°,λ94.00000°. Principal axes: T 3.8200,Plg71.0000° ,Azm335.0000°; N 1.8500,Plg4.0000°,Azm234.0000°; P -5.6600,Plg19.0000°,Azm143.0000° $M_0$4.70000×10^{16}
MOS Error ellipse: s-maj=5.4km s-min=3.0km az=120.9.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=6.0.
THR Error ellipse: s-maj=8.9km s-min=6.2km az=-1.0.

BGS Error ellipse: s-maj=999.9km s-min=830.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=182.0. Felt [IV] at Al Fujayrah and [II] at Dubai and Khawr Fakkan, United Arab Emirates. Also felt at Abu Dhabi. Felt at Khasab, Oman.
SZGRF Persian Gulf.
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(115) Near coast of Peru

ISC	**V**	**07 23 39 04.5–.50**	**16.41S–.07**	**73.92W–.08**	**52–4**	**4.0b**	**58**	**5-152**
NEIC	V	07 23 39 04.7–.59	16.03S	73.65W	54	4.4b		**¶13678529**
IDC	V	07 23 39 05.2–.59	16.03S	73.54W	55–4	4.0,3.8		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=12.6km az=223.0. Felt [II] at Chala and Ocona.
IDC Error ellipse: s-maj=24.8km s-min=17.3km az=50.0.

(162) South Island

WEL	**V**	**08 00 34 38.1–.06**	**43.15S**	**170.96E**	**5**	**4.0L**	
NEIC	V	08 00 34 38.1	43.15S	170.96E	5	4.0L	**¶14301674**

WEL Event type fe. Error ellipse: s-maj=0.6km s-min=0.5km az=0.0. Felt in the West Coast region, maximum reported intensity MM 3.
NEIC Event type fe. Felt at Hokitika. After WEL.

(80) Panama-Costa Rica border region

ISC	**V**	**08 08 33 52.4–.48**	**8.78N–.05**	**82.86W–.04**	**30–3**	**4.6b,4.0s**	**253**	**0-153**
IDC	V	08 08 33 47.7–.52	8.92N	82.67W	0	4.4,4.3		**¶12784449**
CASC	V	08 08 33 50.0–3.1	8.72N	82.87W	4–17	4.7b,4.5		
ISCJB	V	08 08 33 51.7–.37	8.84N–.04	82.77W–.03	38–3	4.5b,4.0s		
MOS	V	08 08 33 52.9–1.1	9.09N	82.80W	33	4.9b,4.0s		
NEIC	V	08 08 33 53.1–.32	8.86N	82.87W	31	4.7b,4.0s		
BJI	V	08 08 33 54.9	9.10N	83.00W	31	5.1b,4.7		
GCMT	V	08 08 33 56.5–.30	8.88N	82.79W	28–1	5.0W,4.7		

ISC Event type fe.
IDC Error ellipse: s-maj=29.6km s-min=11.0km az=57.0.
CASC Error ellipse: s-maj=12.1km s-min=4.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.2km az=15.1.
MOS Error ellipse: s-maj=15.7km s-min=5.6km az=117.5.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.8km az=201.0. Felt [IV] at Boquete and Cerro Punta; [III] at Volcan; [II] at Bocas del Toro and David, Panama. Also felt at Palmira, Pedregal, Potrerillos Abajo and Potrerillos Arriba. Felt [IV] at San Vito, Costa Rica. Also felt at Cahuita, Escazu, Heredia, Mercedes, San Isidro, San Jose and San Pedro.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s22,c27; s60,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}0.56±.15 $M_{\theta\theta}$-0.48±.10; $M_{\phi\phi}$-0.08±.14; $M_{r\theta}$1.20±.17; $M_{\theta\phi}$2.84±.10; $M_{\phi r}$1.78±.22; Best double couple: NP1:ϕ_s93.00000°,δ63.00000°,λ20.00000°. NP2:ϕ_s354.00000°,δ73.00000°,λ151.00000°. Principal axes: T 3.9100,Plg32.0000° ,Azm311.0000°; N -0.7500,Plg57.0000°,Azm146.0000°; P -3.1700,Plg7.0000°,Azm45.0000° $M_0$3.50000×10^{16}

(227) Eastern Honshu

ISC	**V**	**08 12 31 39.6–.97**	**39.06N–.04**	**140.92E–.04**	**13–8**	**3.6b**	**17**	**0-63**
IDC	V	08 12 31 38.0–2.4	39.02N	140.90E	0	3.5,3.3		**¶13678555**
JMA	V	08 12 31 39.8	39.09N	140.90E	8–1	3.1,3.3		
ISCJB	V	08 12 31 39.1–.52	39.08N–.03	140.91E–.05	24–5	3.4b,2.9s		

ISC Event type ke.
JMA Event type fe.
ISCJB Event type fe.

(706) Northern Sumatera

ISC	**V**	**08 13 19 02.1–.24**	**3.33N–.03**	**97.53E–.03**	**28–1**	**5.2b,4.8s**	**821**	**1-175**
BJI	V	08 13 18 57.7	3.06N	97.39E	29	5.3s,4.9b		**¶15154210**
ISCJB	V	08 13 19 01.9–.43	3.35N–.02	97.54E–.02	40–4	5.1b,4.8s		
MOS	V	08 13 19 01.1–1.1	3.48N	97.77E	33	5.5b,4.7s		
IDC	V	08 13 19 01.4–1.2	3.48N	97.69E	22–7	4.7,4.7		
NEIC	V	08 13 19 01.2–.17	3.36N	97.65E	24	5.3b,4.8s		
TEH	V	08 13 19 03.0	3.40N	97.71E	35	5.3L,4.8s		
DJA	V	08 13 19 04.5–.60	3N–2.0	97E–3.0	26–5	6.1,5.9		
GCMT	V	08 13 19 04.0–.20	3.18N	97.53E	20–1	5.2W,5.9		
AUST	V	08 13 19 06.2–.01	3.23N	97.67E	62–0	5.2W,5.9		
SZGRF	V	08 13 19 11.3	3.76N	96.20E	46	5.1b,5.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.0km az=39.4.
MOS Error ellipse: s-maj=9.5km s-min=4.3km az=120.2.
IDC Error ellipse: s-maj=10.9km s-min=8.3km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.7km az=43.0. Felt [III] at Kutacane, Medan, Meulaboh and Tuntungan. Also felt at Sibolga. Felt [II] at Kampung Gelugor, Malaysia. Also felt at Ayer Itam, Butterworth, Kampung Tanjung Bongor, Kuah, Lumut, Sungai Ara and Tanjong Tokong.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c70; s80,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.89±.20 $M_{\theta\theta}$-6.37±.18; $M_{\phi\phi}$7.25±.21; $M_{r\theta}$-2.25±.36; $M_{\theta\phi}$-3.32±.16; $M_{\phi r}$-3.28±.43; Best double couple: NP1:ϕ_s123.00000°,δ62.00000° ,λ-175.00000°. NP2:ϕ_s31.00000°,δ86.00000°,λ-28.00000°. Principal axes: T 8.8100,Plg16.0000°,Azm80.0000°; N -0.4600,Plg62.0000°,Azm203.0000° ; P -8.3600,Plg23.0000°,Azm343.0000° $M_0$8.60000×10^{16}
AUST Error ellipse: s-maj=1.1km s-min=0.6km az=43.0.
SZGRF Northern Sumatera, Indonesia.

(139) Mendoza Province

ISC	**V**	**08 13 44 53.8–.23**	**32.02S–.03**	**69.72W–.04**	**114–1**	**5.6b**	**738**	**1-178**
ISCJB	V	08 13 44 51.0–.32	31.92S–.03	69.60W–.03	96–3	5.6b		**¶12784565**
BJI	V	08 13 44 51.0	31.90S	69.40W	87	5.4s,5.1b		
MOS	V	08 13 44 51.3–1.1	31.92S	69.65W	97	5.6b,5.1b		
GUC	V	08 13 44 52.5–.59	32.04S	69.93W	127–10	5.5L,5.1b		
NEIC	V	08 13 44 53.5–.14	32.06S	69.68W	112	5.6b,5.6		
IDC	V	08 13 44 54.0–.34	32.02S	69.68W	111–2	5.2,5.2		
GCMT	V	08 13 44 57.1–.20	32.02S	69.68W	110–1	5.4W,5.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=4.6km az=156.0.
MOS Error ellipse: s-maj=11.1km s-min=5.8km az=94.0.
GUC Error ellipse: s-maj=4.6km s-min=9.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.6km az=89.0. Felt [V] at Barreal and Uspallata; [IV] at Mendoza and San Juan. Felt [III] at Combarbala, Ovalle, Rancagua, San Antonio, San Felipe, Santiago and Valparaiso; [II] at Hijuelas, Hurtado, Illapel, La Calera and Quillota, Chile. Also felt at Copiapo, Limache and Vina del Mar. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$1.08 $M_{r\theta}$-0.65 $M_{\theta\phi}$0.29 $M_{\phi r}$-0.88 Best double couple: NP1:ϕ_s172.00000°,δ26.00000°,λ-126.00000°. NP2:ϕ_s31.00000° ,δ69.00000°,λ-74.00000°. Principal axes: T 1.5700,Plg22.0000°,Azm108.0000° ; N -0.0900,Plg14.0000°,Azm204.0000°; P -1.4700,Plg62.0000°,Azm325.0000° $M_0$1.50000×10^{17}
IDC Error ellipse: s-maj=8.5km s-min=6.8km az=158.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 82, comp=147, per= 50. Moment Tensor Solution. s82,c122; s5,c7; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15±.02 $M_{\theta\theta}$0.02±.02; $M_{\phi\phi}$1.13±.03; $M_{r\theta}$-0.39±.02; $M_{\theta\phi}$0.70±.02; $M_{\phi r}$0.15±.02; Best double couple: NP1:ϕ_s185.00000°,δ48.00000°,λ-121.00000°. NP2:ϕ_s47.00000°,δ50.00000°,λ-60.00000°. Principal axes: T 1.4700,Plg1.0000°,Azm116.0000°; N -0.1500,Plg22.0000°,Azm206.0000° ; P -1.3200,Plg68.0000°,Azm24.0000° $M_0$1.40000×10^{17}

(43) Southern California

ISC	**V**	**08 20 27 16.0–1.3**	**34.55N–.06**	**118.82W–.07**	**14–6**	**4.1b,3.2s**	**49**	**0-98**
BJI	V	08 20 27 10.0	34.40N	119.20W	6	4.7b,4.4		**¶12788512**
NEIC	V	08 20 27 13.9	34.44N	119.18W	8	4.1b,4.1W		
IDC	V	08 20 27 13.8–1.4	34.47N	119.03W	0	3.9b,3.9		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Ojai; [III] at Camarillo, Santa Paula and Ventura; [II] at Agoura Hills, Calabasas, Fillmore, Los Angeles, Moorpark, Newbury Park, Oak View, Oxnard, Port Hueneme, Santa Monica, Simi Valley, Thousand Oaks, Westlake Village and Woodland Hills. Felt widely in the Frazier Park-Lancaster-Los Angeles area. After PAS. Moment Tensor Solution. $M_0$1.70000×10^{15}
IDC Error ellipse: s-maj=19.3km s-min=8.9km az=55.0.

(709) Southeastern Afghanistan

ISC	**V**	**08 22 47 23.9–.91**	**34.26N–.08**	**69.33E–.07**	**10**	**3.8b**	**39**	**0-84**
IDC	V	08 22 47 22.9–1.1	34.32N	69.41E	0	3.7,3.7b		**¶13439428**
NEIC	V	08 22 47 22.7–10	34.02N	69.04E	35	3.2b,3.7b		
ISCJB	V	08 22 47 22.1–.51	34.29N–.04	69.45E–.05	10	3.6b,3.7b		
NNC	V	08 22 47 26.0–5.8	34.63N	68.78E	0	3.9,3.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=28.5km s-min=20.1km az=108.0.
NEIC Event type fe. Error ellipse: s-maj=119.0km s-min=29.4km az=185.0. Felt [II] at Kabul.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.3km az=144.1.
NNC Error ellipse: s-maj=57.9km s-min=48.9km az=135.0.

(364) Greece

ISC	**V**	**09 01 46 03.3–.42**	**38.13N–.01**	**22.73E–.01**	**14–2**	**4.3b,3.5s**	**738**	**0-120**
IDC	V	09 01 46 00.6–.67	38.11N	22.70E	0	4.1,4.0		**¶12788518**
ATH	V	09 01 46 02.6	38.13N	22.73E	23–0	3.9L,3.4		
BJI	V	09 01 46 02.4	38.82N	22.60E	7	4.8b,4.6b		
THE	V	09 01 46 02.9	38.13N	22.73E	15–0	4.3L,4.6b		
ISCJB	V	09 01 46 03.3–.21	38.14N–.01	22.73E–.01	21–2	4.3b,3.8s		
CSEM	V	09 01 46 03.0–.08	38.13N	22.74E	8	4.3b,3.0s		
NEIC	V	09 01 46 03.5–.62	38.07N	22.80E	13–4	4.4b,3.9L		
MOS	V	09 01 46 04.7–1.1	38.13N	22.80E	33	4.5b,3.9L		

ISC Event type fe.
IDC Error ellipse: s-maj=14.7km s-min=12.7km az=1.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=12.9.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=28.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=199.0. Felt at Corinth, Loutrakion and Sikion.
MOS Error ellipse: s-maj=5.4km s-min=3.2km az=116.0.

(228) Near east coast of eastern Honshu

ISC	**V**	**09 05 12 47.4–.96**	**36.00N–.03**	**140.10E–.05**	**71–7**	**3.7b**	**33**	**0-56**
IDC	V	09 05 12 43.7–5.2	36.03N	140.49E	50–40	3.7,3.7		**¶15423110**
ISCJB	V	09 05 12 46.6–.51	35.98N–.03	140.12E–.05	77–5	3.6b,3.7		
JMA	V	09 05 12 47.8–.10	36.04N	140.10E	64–1	3.2,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=49.8km s-min=9.1km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.6km az=4.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s358.00000°,δ64.00000°,λ78.00000°. NP2: ϕ_s203.00000°,δ28.00000°,λ112.00000°. Principal axes: T Plg69.0000°,Azm245.0000° ; N Plg10.0000°,Azm4.0000°; P Plg18.0000°,Azm97.0000°

(115) Near coast of Peru

ISC	**V**	**09 17 57 39.2–.72**	**14.69S–.08**	**76.2W–.10**	**29**	**3.6b**	**29**	**3-147**
NEIC	V	09 17 57 41.3–1.1	14.48S	75.76W	38–10	4.1		**¶13678625**
IDC	V	09 17 57 42.9–2.9	14.60S	76.00W	53–23	3.9,3.8L		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=18.7km s-min=7.6km az=52.0. Felt [III] at Ica.
IDC Error ellipse: s-maj=51.8km s-min=17.3km az=48.0.

(229) Off east coast of Honshu

ISC	**V**	**09 19 34 33.6–.30**	**36.57N–.03**	**142.63E–.03**	**27–1**	**5.4b,4.8s**	**1015**	**2-154**
NIED	V	09 19 34 00	36.70N	142.60E	5	5.1W,4.8s		**¶13439448**
ISCJB	V	09 19 34 29.8–.71	36.60N–.02	142.64E–.02	11–4	5.3b,4.8s		
IDC	V	09 19 34 29.2–.34	36.53N	142.72E	0	4.9,4.9		
JMA	V	09 19 34 30.2–.20	36.62N	142.67E	21	5.5,4.9		
BJI	V	09 19 34 31.7	36.77N	142.38E	12	5.4b,5.3s		
MOS	V	09 19 34 32.9–.93	36.54N	142.66E	33	5.6b,4.7s		
NEIC	V	09 19 34 33.2–.67	36.54N	142.64E	27–4	5.5b,5.1W		
TEH	V	09 19 34 34.0	36.56N	142.57E	27	5.2L,5.1W		
GCMT	V	09 19 34 35.5–.20	36.57N	142.61E	12	5.1W,5.1W		
SZGRF	V	09 19 34 38.2	37.33N	143.17E	33	5.7b,5.1s		
DJA	V	09 19 34 46.5–2.9	37N–7.0	142E–11	132–28	5.6b,5.2b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ59.00000°,λ142.00000°. NP2:ϕ_s313.00000°,δ58.00000°,λ37.00000°. $M_0$5.21000×10^{16}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Fukushima and [1 JMA] in Miyagi and Yamagata. Moment Tensor Solution. $M_0$5.20000×10^{16}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s43,c55; s91,c165; Moment tensor: Scale 10^{16}Nm; M_{rr}2.28±.10 $M_{\theta\theta}$3.58±.09; $M_{\phi\phi}$-5.86±.08; $M_{r\theta}$-2.84±.25; $M_{\theta\phi}$0.81±.08; $M_{\phi r}$-0.33±.26; Best double couple: NP1:ϕ_s317.00000°,δ64.00000°,λ29.00000°. NP2:ϕ_s213.00000°,δ65.00000°,λ150.00000°. Principal axes: T 5.9000,Plg38.0000° ,Azm175.0000°; N 0.0300,Plg52.0000°,Azm356.0000°; P -5.9300,Plg1.0000°,Azm265.0000° $M_0$5.90000×10^{16}
SZGRF Off east coast of Honshu, Japan.

(353) Southern Iran

ISC	**V**	**10 01 07 31.6–1.2**	**25.41N–.03**	**57.14E–.04**	**16–7**	**4.4b**	**430**	**1-92**
IDC	V	10 01 07 29.4–.68	25.34N	57.06E	0	4.2,4.1		**¶12793686**
OMAN	V	10 01 07 31.6–.70	25.61N	57.30E	29	4.2,4.1		
TEH	V	10 01 07 32.1	25.42N	57.04E	30	4.2L,4.1		
MOS	V	10 01 07 32.5–.79	25.39N	57.03E	33	4.6b,4.1		
CSEM	V	10 01 07 33.9–.11	25.40N	57.05E	30	4.3b,4.0s		
THR	V	10 01 07 34.0–.34	25.62N	56.97E	14–8	4.1L,4.0s		
NEIC	V	10 01 07 34.4–1.5	25.39N	57.05E	34–10	4.4b,4.2		

ISC Event type fe.
IDC Error ellipse: s-maj=16.5km s-min=13.3km az=162.0.
OMAN Error ellipse: s-maj=1.9km s-min=0.7km az=19.0.
MOS Error ellipse: s-maj=8.1km s-min=4.9km az=119.4.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=105.0.
THR Error ellipse: s-maj=13.4km s-min=4.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=3.8km az=165.0. Felt at Khawr Fakkan, United Arab Emirates.

(104) Off coast of Ecuador

ISC	**V**	**10 01 16 06.4–.24**	**1.35N–.04**	**85.28W–.05**	**6**	**5.7s,5.5b**	**718**	**5-160**
IDC	V	10 01 16 05.6–.40	1.42N	85.24W	0	5.7,5.7s		**¶13439457**
ISCJB	V	10 01 16 05.4–.18	1.38N–.03	85.26W–.03	6	5.7s,5.4b		
SZGRF	V	10 01 16 05.0	0.90N	85.56W	33	5.9s,5.1b		
NEIC	V	10 01 16 07.0–.16	1.39N	85.17W	6	6.1W,6.0W		
MOS	V	10 01 16 10.4–1.2	1.57N	85.09W	33	5.7s,5.7b		
BJI	V	10 01 16 10.3	1.40N	85.20W	26	6.0s,5.9		
GCMT	V	10 01 16 11.6–.10	1.22N	85.33W	14	6.1W,5.9		

ISC Event type fe.
IDC Error ellipse: s-maj=20.4km s-min=8.9km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=138.7.
SZGRF Off coast of Ecuador.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=224.0. Felt at Puerto Baquerizo Moreno, Galapagos Islands. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s187.00000°,δ83.00000°,λ-170.00000°. NP2: ϕ_s96.00000°,δ80.00000°,λ-7.00000°. Principal axes: T Plg2.0000°,Azm321.0000° ; N Plg0.0000°,Azm0.0000°; P Plg12.0000°,Azm52.0000° Moment Tensor Solution. s70 Moment tensor: Scale 10^{18}Nm; M_{rr}0.15 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.08 $M_{\theta\phi}$1.17 $M_{\phi r}$0.12 Best double couple: NP1:ϕ_s93.00000°,δ83.00000°,λ5.00000°. NP2:ϕ_s2.00000°,δ85.00000° ,λ173.00000°. Principal axes: T 1.1200,Plg8.0000°,Azm317.0000°; N 0.1300,Plg81.0000° ,Azm146.0000°; P -1.2500,Plg1.0000°,Azm47.0000° $M_0$1.20000×10^{18}
MOS Error ellipse: s-maj=7.7km s-min=4.7km az=99.8.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=107, comp=247, per= 50. Moment Tensor Solution. s106,c235; s88,c149; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.09±.01 $M_{\theta\theta}$0.46±.01; $M_{\phi\phi}$-0.37±.01; $M_{r\theta}$-0.17±.02; $M_{\theta\phi}$1.74±.01; $M_{\phi r}$0.18±.02; Best double couple: NP1:ϕ_s187.00000°,δ84.00000°,λ-175.00000°. NP2:ϕ_s96.00000°,δ85.00000°,λ-6.00000°. Principal axes: T 1.8300,Plg1.0000°,Azm142.0000°; N -0.0500,Plg82.0000°,Azm236.0000° ; P -1.7800,Plg8.0000°,Azm52.0000° $M_0$1.80000×10^{18}

(224) Hokkaido region

ISC	**V**	**10 02 30 08.7–.40**	**42.42N–.03**	**142.38E–.03**	**95–3**	**4.5b**	**415**	**0-152**
SZGRF	V	10 02 30 00.0	42.39N	143.87E	33	4.5b		**¶13439459**
BJI	V	10 02 30 05.7	42.31N	142.69E	92	4.9b,4.7b		
ISCJB	V	10 02 30 07.8–.20	42.39N–.02	142.38E–.03	99–1	4.4b,4.7b		
MOS	V	10 02 30 07.7–.89	42.41N	142.33E	97	4.6b,4.7b		
JMA	V	10 02 30 08.3–.10	42.42N	142.42E	102–2	4.2,4.7b		
NEIC	V	10 02 30 08.7–.36	42.48N	142.33E	91–3	4.5b,4.7b		
IDC	V	10 02 30 09.3–.56	42.46N	142.38E	97–4	4.2,4.2		

ISC Event type se.
SZGRF Hokkaido, Japan, region.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=157.4.
MOS Error ellipse: s-maj=7.8km s-min=4.8km az=101.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s53.00000°,δ83.00000°,λ146.00000°. NP2: ϕ_s148.00000°,δ57.00000°,λ8.00000°. Principal axes: T Plg28.0000°,Azm5.0000° ; N Plg56.0000°,Azm224.0000°; P Plg18.0000°,Azm105.0000°

NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.0km az=163.0. Recorded [2 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu.
IDC Error ellipse: s-maj=9.8km s-min=7.2km az=113.0.

(238) Ryukyu Islands

ISC	**V**	**10 07 33 46.5–.65**	**28.97N–.04**	**129.73E–.07**	**57–6**	**3.6b,3.2s**	**38**	**1-90**
NIED	V	10 07 33 00	29.10N	129.50E	53	3.9W,3.2s		**¶13678657**
JMA	V	10 07 33 45.9–.20	29.05N	129.60E	58–4	3.8,3.2s		
ISCJB	V	10 07 33 45.4–.38	28.99N–.04	129.74E–.08	65–4	3.5b,3.2s		
IDC	V	10 07 33 46.5–.80	28.95N	129.98E	61–7	3.6,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s185.00000°,δ60.00000°,λ-76.00000°. NP2:ϕ_s340.00000°,δ33.00000°,λ-112.00000°. M_o9.42000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=4.0km az=24.5.
IDC Error ellipse: s-maj=24.8km s-min=14.9km az=86.0.

(224) Hokkaido region

ISC	**V**	**10 07 52 31.4–.91**	**44.70N–.03**	**144.45E–.03**	**11–6**	**4.1b,3.5s**	**123**	**1-84**
NIED	V	10 07 52 00	44.80N	144.50E	5	4.2W,3.5s		**¶12824839**
ISCJB	V	10 07 52 29.0–1.2	44.78N–.03	144.46E–.03	2–8	4.0b,3.5s		
IDC	V	10 07 52 29.8–.65	44.73N	144.40E	0	4.0,3.9		
BJI	V	10 07 52 29.2	44.96N	145.25E	50	4.9b,4.3b		
NEIC	V	10 07 52 31.5	44.74N	144.45E	16	4.4b,4.3b		
JMA	V	10 07 52 31.4–.10	44.73N	144.45E	16–2	4.3,4.3b		
MOS	V	10 07 52 32.7–1.2	44.66N	144.44E	33	4.6b,4.3b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s115.00000°,δ60.00000°,λ103.00000°. NP2:ϕ_s270.00000°,δ32.00000°,λ68.00000°. M_o2.45000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.8km az=168.9.
IDC Error ellipse: s-maj=19.8km s-min=12.3km az=150.0.
NEIC Event type fe. Recorded [2 JMA] in northeastern Hokkaido. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=11.2km s-min=7.8km az=76.0.

(273) Southwest of Sumatera

ISC	**V**	**10 08 58 24.0–.31**	**5.53S–.03**	**101.13E–.04**	**27–1**	**4.9s,4.9b**	**459**	**1-175**
ISCJB	V	10 08 58 19.5–.79	5.51S–.03	101.11E–.03	8–4	4.9s,4.9b		**¶15154243**
MOS	V	10 08 58 23.5–1.5	5.37S	101.26E	33	5.2b,4.8s		
AUST	V	10 08 58 24.2	5.32S	101.43E	0	5.2b,4.8s		
GCMT	V	10 08 58 24.1–.20	5.46S	101.02E	12	5.2W,4.8s		
NEIC	V	10 08 58 24.3–.20	5.44S	101.14E	31	5.1b,4.8s		
IDC	V	10 08 58 24.3–.46	5.30S	101.21E	30–2	4.7,4.7s		
BJI	V	10 08 58 24.2	5.50S	101.10E	25	5.5s,5.3b		
DJA	V	10 08 58 25.5–.40	5S–3.0	101E–3.0	43–5	5.6b,5.5		
TEH	V	10 08 58 25.0	5.53S	101.09E	35	5.1L,5.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.9km az=34.2.
MOS Error ellipse: s-maj=10.8km s-min=5.9km az=105.2.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s34,c51; s78,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}3.75±.15 $M_{\theta\theta}$-4.37±.13; $M_{\phi\phi}$0.62±.17; $M_{r\theta}$4.07±.37; $M_{\theta\phi}$5.00±.12; $M_{\theta r}$1.84±.43; Best double couple: NP1:ϕ_s337.00000°,δ48.00000°,λ152.00000°. NP2:ϕ_s87.00000°,δ70.00000°,λ46.00000°. Principal axes: T 7.6500,Plg46.0000° ,Azm312.0000°; N 0.4000,Plg41.0000°,Azm106.0000°; P -8.0500,Plg13.0000° ,Azm208.0000° M_o7.90000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=57.0. Felt at Bengkulu.
IDC Error ellipse: s-maj=14.2km s-min=8.9km az=49.0.

(228) Near east coast of eastern Honshu

ISC	**V**	**10 16 20 55.2–1.3**	**36.30N–.04**	**141.12E–.06**	**27–10**	**3.7b**	**25**	**1-147**
IDC	V	10 16 20 51.1–.73	36.17N	141.23E	0	3.9,3.9L		**¶13678690**
ISCJB	V	10 16 20 54.7–.89	36.28N–.04	141.15E–.06	33–6	3.6b,2.9s		
JMA	V	10 16 20 55.7–.10	36.28N	141.05E	47–1	3.9,2.9s		
NIED	V	10 16 21 00	36.30N	141.10E	32	3.8W,2.9s		

ISC Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=17.4km az=154.0.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=6.5km az=174.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s321.00000°,δ59.00000°,λ-115.00000°. NP2:ϕ_s182.00000°,δ39.00000°,λ-55.00000°. Principal axes: T Plg11.0000°,Azm68.0000°; N Plg21.0000°,Azm334.0000°; P Plg66.0000° ,Azm184.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s183.00000°,δ53.00000°,λ-59.00000°. NP2:ϕ_s318.00000°,δ47.00000°,λ-125.00000°. M_o5.67000×10^{14}

(714) Southeastern Uzbekistan

ISC	**V**	**10 17 34 07.6–.24**	**38.23N–.03**	**67.68E–.02**	**21–3**	**5.3b,4.5s**	**1121**	**4-148**
BGS	V	10 17 33 35.4–1.4	35.37N	71.68E	20	5.3b,4.5s		**¶13439482**
NNC	V	10 17 34 06.4–3.4	38.29N	67.35E	18–16	5.5b,5.3		
ISCJB	V	10 17 34 06.1–.10	38.19N–.02	67.70E–.01	22	5.2b,4.5s		
IDC	V	10 17 34 06.9–.51	38.09N	67.72E	18–3	5.1L,4.9		
NEIC	V	10 17 34 07.6–.14	38.23N	67.69E	19	5.4b,4.9		
SZGRF	V	10 17 34 07.2	38.00N	67.82E	26	5.2b,4.5s		
TEH	V	10 17 34 08.0	38.23N	67.63E	22	5.3L,4.5s		
MOS	V	10 17 34 08.3–.84	38.26N	67.72E	37	5.5b,4.6s		
DJA	V	10 17 34 09.8–1.6	38N–13	67E–5.0	41–19	6.4,5.9		
BJI	V	10 17 34 10.3	38.32N	68.14E	21	5.0b,4.9b		
GCMT	V	10 17 34 11.0–.20	38.43N	67.72E	24–0	5.0W,4.9b		

ISC Event type fe.
BGS Error ellipse: s-maj=302.7km s-min=371.1km az=-1.0.
NNC Error ellipse: s-maj=25.1km s-min=17.6km az=3.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=179.0.
IDC Error ellipse: s-maj=9.2km s-min=7.0km az=169.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.5km az=182.0. Felt [III] at Dushanbe, Tajikistan. Also felt at Mazar-e Sharif, Afghanistan.
SZGRF Southeastern Uzbekistan.
MOS Error ellipse: s-maj=4.3km s-min=3.2km az=129.4.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s43,c51; s69,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}3.56±.14 $M_{\theta\theta}$-0.66±.10; $M_{\phi\phi}$-2.90±.09; $M_{r\theta}$0.39±.16; $M_{\theta\phi}$-0.79±.07; $M_{\theta r}$1.42±.12; Best double couple: NP1:ϕ_s198.00000°,δ33.00000°,λ91.00000°. NP2:ϕ_s17.00000°,δ57.00000°,λ89.00000°. Principal axes: T 3.8700,Plg78.0000° ,Azm284.0000°; N -0.4100,Plg1.0000°,Azm17.0000°; P -3.4600,Plg12.0000°,Azm107.0000° M_o3.70000×10^{16}

(186) Vanuatu Islands

ISC	**V**	**10 22 06 49.7–.88**	**18.24S–.09**	**168.0E–.20**	**37–2**	**4.2b**	**36**	**4-124**
NOU	V	10 22 06 48.0–1.4	18.02S	167.89E	30	4.3L,3.5		**¶13678712**
ISCJB	V	10 22 06 48.6–1.7	18.27S–.06	167.9E–.10	39–13	4.2b,3.6s		
NEIC	V	10 22 06 49.6–1.7	18.21S	168.03E	38–14	4.3b,3.6s		
IDC	V	10 22 06 49.8–4.5	18.20S	168.04E	39–36	4.4L,4.3		

ISC Event type fe.
NOU Error ellipse: s-maj=17.8km s-min=50.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=18.2km s-min=10.2km az=172.3.
NEIC Event type fe. Error ellipse: s-maj=16.9km s-min=11.6km az=62.0. Felt at Port-Vila.
IDC Error ellipse: s-maj=32.0km s-min=26.9km az=109.0.

(116) Central Peru

ISC	**V**	**11 20 43 19.4–.69**	**13.76S–.10**	**71.35W–.08**	**35**	**4.0b**	**27**	**3-146**
ISCJB	V	11 20 43 17.0–.58	13.94S–.08	71.27W–.07	33	4.0b		**¶13678771**
NEIC	V	11 20 43 20.1–.82	13.88S	71.25W	46–8	3.8b		
IDC	V	11 20 43 20.4–1.9	13.91S	71.22W	48–20	3.9,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=8.7km az=22.4.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=8.1km az=205.0. Felt [III] at Yanaoca and [II] at Sicuani.
IDC Error ellipse: s-maj=34.6km s-min=18.3km az=31.0.

(192) New Britain region

ISC	**V**	**12 01 26 27.7–.19**	**5.70S–.02**	**149.57E–.03**	**99–1**	**5.8b**	**1135**	**4-155**
BJI	V	12 01 26 20.5	6.42S	149.90E	96	6.1b,6.0b		**¶15154280**
ISCJB	V	12 01 26 26.4–.57	5.68S–.02	149.54E–.02	98–5	5.8b,6.0b		
NEIC	V	12 01 26 26.6–.13	5.66S	149.54E	89	6.1W,6.1W		
IDC	V	12 01 26 27.1–.34	5.67S	149.47E	96–2	5.5,5.5		
AUST	V	12 01 26 27.7–.25	5.75S	149.57E	93–0	5.5,5.5		
MOS	V	12 01 26 28.0–1.0	5.68S	149.53E	111	5.8b,5.6s		
GCMT	V	12 01 26 31.7–.10	5.83S	149.62E	91–0	6.1W,5.6s		
DJA	V	12 01 26 33.1–.60	6S–3.0	150E–4.0	145–6	6.9,6.3b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Kimbe and Port Moresby. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s32.00000°,δ88.00000°,λ-90.00000°. NP2:ϕ_s212.00000°,δ2.00000°,λ-90.00000°. Principal axes: T Plg43.0000°,Azm122.0000° ; N Plg0.0000°,Azm0.0000°; P Plg47.0000°,Azm302.0000° Moment Tensor Solution. s33 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.29 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-0.17 $M_{r\theta}$-1.02 $M_{\theta\phi}$-0.06 $M_{\theta r}$-1.02 Best double couple: NP1:ϕ_s300.00000°,δ13.00000°,λ-18.00000°. NP2:ϕ_s48.00000° ,δ86.00000°,λ-103.00000°. Principal axes: T 1.4000,Plg39.0000°,Azm149.0000° ; N 0.1800,Plg12.0000°,Azm49.0000°; P -1.5800,Plg47.0000°,Azm304.0000° M_o1.50000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=113, comp=265, per= 50. Moment Tensor Solution. s113,c269; s73,c104; Moment tensor: Scale 10^{18}Nm; M_{rr}0.07±.01 $M_{\theta\theta}$0.37±.01; $M_{\phi\phi}$-0.44±.01; $M_{r\theta}$-1.19±.01; $M_{\theta\phi}$-0.26±.01; $M_{\theta r}$-1.17±.01; Best double couple: NP1:ϕ_s328.00000°,δ14.00000°,λ11.00000°. NP2:ϕ_s227.00000°,δ87.00000°,λ104.00000°. Principal axes: T 1.6300,Plg46.0000°,Azm152.0000°; N 0.2100,Plg14.0000°,Azm47.0000° ; P -1.8300,Plg41.0000°,Azm304.0000° M_o1.70000×10^{18}

(216) Mariana Islands

ISC	**V**	**12 03 30 32.0–.30**	**13.13N–.04**	**145.43E–.04**	**39–2**	**5.3b,5.0s**	**630**	**1-167**
ISCJB	V	12 03 30 27.9–.95	13.19N–.03	145.41E–.02	16–6	5.3b,5.0s		**¶13439523**
MOS	V	12 03 30 30.0–1.1	13.13N	145.34E	33	5.5b,5.1s		
BJI	V	12 03 30 30.0	13.23N	145.50E	33	5.3b,5.1s		
DJA	V	12 03 30 30.1–1.1	13N–5.0	146E–5.0	33–9	6.1b,5.8		
NEIC	V	12 03 30 31.8–.15	13.08N	145.41E	35	5.3b,5.8		
TEH	V	12 03 30 32.0	13.07N	145.38E	35	5.3L,5.8		
GCMT	V	12 03 30 33.3–.20	13.01N	145.66E	15–0	5.5W,5.8		
IDC	V	12 03 30 33.0–1.1	13.14N	145.50E	47–8	5.0s,5.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=152.9.
MOS Error ellipse: s-maj=8.7km s-min=5.0km az=108.7.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=4.3km az=154.0. Felt at Barrigada, Dededo, Hagatna, Santa Rita and Tamuning.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c79; s88,c169; Moment tensor: Scale 10^{17}Nm; M_{rr}1.12±.05 $M_{\theta\theta}$-0.03±.03; $M_{\phi\phi}$-1.09±.04; $M_{r\theta}$0.34±.10; $M_{\theta\phi}$-0.66±.02; $M_{\theta r}$1.37±.13; Best double couple: NP1:ϕ_s219.00000°,δ22.00000°,λ111.00000°. NP2:ϕ_s16.00000°,δ69.00000°,λ82.00000°. Principal axes: T 1.7800,Plg65.0000° ,Azm272.0000°; N 0.2400,Plg8.0000°,Azm19.0000°; P -2.0200,Plg24.0000°,Azm113.0000° M_o1.90000×10^{17}
IDC Error ellipse: s-maj=14.7km s-min=9.2km az=78.0.

(662) Sakhalin Island

ISC	**V**	**12 04 13 31.3–.70**	**48.58N–.03**	**142.50E–.05**	**9**	**3.9b**	**28**	**1-69**
IDC	V	12 04 13 27.0–7.1	48.15N	142.40E	0	4.0,3.7		**¶13678792**
MOS	V	12 04 13 29.8–1.4	48.63N	142.45E	14	4.0b,3.7		
SKHL	V	12 04 13 29.9–1.4	48.59N	142.60E	10	4.1b,3.7		
ISCJB	V	12 04 13 29.8–.47	48.57N–.03	142.40E–.08	9	3.7b,3.7		

ISC Event type ke.
MOS Event type fe. Felt (II-III) at Makarov. Moment Tensor Solution.
SKHL Event type fe. Felt (II-III) at Makarov.
ISCJB Event type fe.

(124) Chile-Bolivia border region

ISC	**V**	**12 05 07 05.5–.32**	**20.07S–.03**	**69.08W–.05**	**100–2**	**5.1b**	**454**	**1-173**
ISCJB	V	12 05 07 03.2–.40	19.96S–.03	68.92W–.04	87–4	5.0b		**¶12818722**
MOS	V	12 05 07 03.9–.95	19.90S	68.91W	92	5.3b		
IDC	V	12 05 07 06.0–.46	20.10S	69.03W	100–3	4.8,4.8		
GUC	V	12 05 07 05.5–.56	20.18S	69.31W	103–6	5.3L,4.8		
NEIC	V	12 05 07 06.2–.17	20.06S	68.91W	104	5.1b,4.8		
BJI	V	12 05 07 06.4	20.00S	68.70W	104	5.2b,4.8		
GCMT	V	12 05 07 11.7–.30	20.14S	69.32W	121–4	5.1W,4.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.0km az=150.4.
MOS Error ellipse: s-maj=10.8km s-min=6.9km az=106.8.
IDC Error ellipse: s-maj=13.3km s-min=11.3km az=71.0.
GUC Error ellipse: s-maj=1.7km s-min=6.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.9km az=66.0. Felt [IV] at Alto Hospicio, Camina, Huara and Pozo Almonte and [III] at Cuya, Iquique, Pica and Pisagua.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s30,c31; s68,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.77±.23 $M_{\theta\theta}$0.83±.26; $M_{\phi\phi}$1.95±.33; $M_{r\theta}$2.99±.13; $M_{\theta\phi}$-1.77±.20; $M_{\theta r}$-3.11±.18; Best double couple: NP1:ϕ_s153.00000°,δ18.00000°,λ-75.00000°. NP2:ϕ_s317.00000°,δ73.00000°,λ-95.00000°. Principal axes: T 5.4800,Plg28.0000° ,Azm51.0000°; N -0.4200,Plg4.0000°,Azm319.0000°; P -5.0500,Plg62.0000°,Azm220.0000° M_o5.30000×10^{16}

(226) Near west coast of eastern Honshu

ISC	**V**	**12 10 40 17.5–.38**	**37.05N–.02**	**138.50E–.02**	**16–2**	**4.7b,4.1s**	**269**	**0-149**
NIED	V	12 10 40 00	37.10N	138.50E	8	4.6W,4.1s		**¶12818739**
BJI	V	12 10 40 17.4	37.00N	138.30E	5	4.9b,4.5b		
JMA	V	12 10 40 17.5	37.07N	138.53E	12–2	4.8,4.5b		
IDC	V	12 10 40 17.6–1.7	37.02N	138.35E	19–11	4.1,4.1		
ISCJB	V	12 10 40 17.1–.28	37.07N–.02	138.47E–.02	23–2	4.5b,4.0s		
NEIC	V	12 10 40 18.9–.92	36.98N	138.36E	24–7	4.8b,4.6W		
MOS	V	12 10 40 18.0–1.2	36.95N	138.41E	33	4.9b,4.6W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ58.00000°,λ93.00000°. NP2:ϕ_s201.00000°,δ32.00000°,λ85.00000°. M_o9.34000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s28.00000°,δ58.00000°,λ74.00000°. NP2: ϕ_s237.00000°,δ36.00000°,λ114.00000°. Principal axes: T Plg72.0000°,Azm258.0000° ; N Plg14.0000°,Azm37.0000°; P Plg11.0000°,Azm130.0000°
IDC Error ellipse: s-maj=15.1km s-min=11.8km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=140.4.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=6.1km az=142.0. Recorded [4 JMA] at Gumma and Niigata; [3 JMA] at Nagano; [2 JMA] at Ishikawa; [1 JMA] at Toyama. Moment Tensor Solution. M_o9.30000×10^{15}
MOS Error ellipse: s-maj=9.1km s-min=5.5km az=99.7.

(192) New Britain region

ISC	**V**	**12 16 01 44.4–.30**	**4.67S–.03**	**152.95E–.04**	**81–1**	**5.2b**	**622**	**7-158**
IDC	V	12 16 01 37.3–1.7	4.60S	152.89E	21–9	5.0,5.0		**¶15154271**
MOS	V	12 16 01 38.2–.93	4.44S	152.85E	33	5.4b,4.6s		
ISCJB	V	12 16 01 40.5–.72	4.63S–.03	152.96E–.04	64–6	5.2b,4.6s		
BJI	V	12 16 01 42.1	4.37S	153.24E	80	5.3b,5.2b		
NEIC	V	12 16 01 43.6–.87	4.64S	152.89E	76–7	5.4W,5.1b		
AUST	V	12 16 01 43.4–.27	4.61S	153.03E	81–0	5.4W,5.1b		
GCMT	V	12 16 01 44.8–.10	4.82S	152.88E	58–0	5.3W,5.1b		
DJA	V	12 16 01 48.9–1.9	5S–10	153E–11	183–25	5.5b,5.4b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Rabaul. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$-0.53 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.48 $M_{\theta r}$0.02 Best double couple: NP1:ϕ_s67.00000° ,δ56.00000°,λ101.00000°. NP2:ϕ_s228.00000°,δ35.00000°,λ74.00000°. Principal axes: T 1.6100,Plg76.0000°,Azm10.0000°; N -0.2600,Plg8.0000°,Azm240.0000° ; P -1.3500,Plg10.0000°,Azm149.0000° M_o1.50000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s90,c147; s81,c143; Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$-1.25±.02; $M_{\phi\phi}$0.11±.02; $M_{r\theta}$0.33±.02; $M_{\theta\phi}$-0.25±.02; $M_{\theta r}$0.10±.02; Best double couple: NP1:ϕ_s263.00000°,δ37.00000°,λ94.00000°. NP2:ϕ_s78.00000°,δ53.00000°,λ87.00000°. Principal axes: T 1.1900,Plg82.0000° ,Azm333.0000°; N 0.1500,Plg2.0000°,Azm79.0000°; P -1.3400,Plg8.0000°,Azm170.0000° M_o1.30000×10^{17}

(238) Ryukyu Islands

ISC	**V**	**12 18 14 53.0–.83**	**28.24N–.06**	**129.65E–.07**	**44–6**	**3.7b**	**36**	**0-77**
IDC	V	12 18 14 48.4–4.9	28.24N	129.14E	0	3.8,3.8		**¶13678831**
JMA	V	12 18 14 52.9–.20	28.31N	129.65E	45–2	3.9,3.8		
ISCJB	V	12 18 14 52.1–.56	28.26N–.05	129.65E–.08	56–3	3.5b,3.8		
NIED	V	12 18 15 00	28.30N	129.70E	59	3.8W,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=100.5km s-min=49.7km az=143.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=13.9km s-min=4.1km az=35.2.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ75.00000°,λ-41.00000°. NP2:ϕ_s16.00000°,δ51.00000°,λ-161.00000°. M_o5.51000×10^{14}

(162) South Island

ISC	**V**	**13 00 49 58.6–.97**	**45.88S–.03**	**167.24E–.04**	**15–8**		**51**	**0-145**
IDC	V	13 00 49 56.5–2.0	45.94S	167.36E	0	3.9,3.8L		**¶13678845**
WEL	V	13 00 49 58.6–.14	45.86S	167.20E	12	4.3L,3.8L		

NEIC V 13 00 49 58.7 45.86S 167.20E 12 4.4L,3.8L
ISCJB V 13 00 49 58.4–.57 45.86S–.04 167.22E–.06 20–7 3.7b,3.6s
ISC Event type fe.
WEL Event type fe. Felt from Otago to Southland, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Manapouri. After WEL.
ISCJB Event type fe.

(337) Eastern Caucasus

ISC	**V**	**13 05 42 30.9–.89**	**43.31N–.02**	**46.19E–.02**	**12–6**	**3.5b**	**191**	**0-73**
IDC	V	13 05 42 28.4–.71	43.20N	45.99E	0	3.7L,3.6		¶13568608
ISCJB	V	13 05 42 28.8–.43	43.44N–.02	46.27E–.02	0–3	3.5b,3.6		
CSEM	V	13 05 42 30.0–.16	43.40N	46.23E	2	3.7b,3.6		
TIF	V	13 05 42 30.2	43.41N	46.04E	13–5	3.7b,3.6		
AZER	V	13 05 42 31.0	43.20N	45.82E	0	3.7b,3.6		
MOS	V	13 05 42 30.7–1.2	43.38N	46.18E	12	4.5b,3.6		
NNC	V	13 05 42 42.3–2.4	43.09N	48.50E	0	3.8b,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=12.2km s-min=8.8km az=116.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=17.3.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=15.0.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=5.5km az=29.3. Felt (III) at Gudermes. Moment Tensor Solution.
NNC Error ellipse: s-maj=77.9km s-min=16.5km az=139.0.

(99) Northern Colombia

ISC	**V**	**13 06 13 11.3–.36**	**6.86N–.05**	**76.27W–.05**	**18**	**4.5b,3.7s**	**150**	**1-154**
IDC	V	13 06 13 08.1–.55	6.85N	76.33W	0	4.2,4.2		¶12820037
ISCJB	V	13 06 13 10.7–.23	7.01N–.03	76.27W–.03	18	4.4b,4.0s		
NEIC	V	13 06 13 12.0	6.97N	76.36W	9	4.8b,4.1L		
BJI	V	13 06 13 14.4	7.10N	76.30W	25	5.3s,5.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=13.4km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.8km az=10.8.
NEIC Event type fe. Felt at Medellin. After RSNC.

(233) Near south coast of western Honshu

JMA	**V**	**13 07 48 27.6**	**34.96N**	**135.45E**	**10**	**3.0**		
								¶15424750

JMA Event type fe.

(122) Near coast of northern Chile

ISC	**V**	**13 20 55 18.7–1.4**	**27.47S–.04**	**70.19W–.08**	**8–11**		**15**	**0-5**
NEIC	V	13 20 55 19.9	27.50S	70.33W	2	3.5L		¶14645119
GUC	V	13 20 55 19.9–.78	27.50S	70.33W	2–9	3.5L		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Copiapo. After GUC.
GUC Error ellipse: s-maj=4.0km s-min=6.2km az=-1.0.

(173) Tonga Islands

ISC	**V**	**13 21 31 17.9–.25**	**15.77S–.04**	**173.40W–.04**	**88–1**	**5.2b**	**890**	**2-175**
PDG	V	13 21 31 13.5	15.60S	173.40W	80	5.2b		¶12821480
DJA	V	13 21 31 13.5–3.0	16S–9.0	173W–8.0	44–28	5.7b,5.3		
MOS	V	13 21 31 14.6–.97	15.73S	173.42W	61	5.7b,5.3		
ISCJB	V	13 21 31 17.0–.15	15.74S–.04	173.47W–.03	88	5.1b,5.3		
IDC	V	13 21 31 16.1–2.1	15.80S	173.41W	68–18	5.0,5.0		
NEIC	V	13 21 31 18.0–.10	15.75S	173.49W	85	5.8W,5.7W		
SZGRF	V	13 21 31 17.8	16.40S	174.90W	89	5.8W,5.7W		
BJI	V	13 21 31 17.5	15.42S	173.25W	84	5.3s,5.3b		
GCMT	V	13 21 31 21.9–.10	15.76S	172.93W	102–0	5.8W,5.3b		

ISC Event type fe.
PDG Event type ke.
MOS Error ellipse: s-maj=9.6km s-min=6.8km az=61.3.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.0km az=145.8.
IDC Error ellipse: s-maj=12.0km s-min=9.0km az=117.0.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.1km az=140.0. Felt at Apia, Samoa and at Pago Pago and Utulei, American Samoa. Moment Tensor Solution. s56 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.01 $M_{\theta\theta}$1.90 $M_{\phi\phi}$2.11 $M_{r\theta}$0.97 $M_{\theta\phi}$-0.19 $M_{\phi r}$3.91 Best double couple: NP1: ϕ_s190.00000°,δ72.00000°,λ-87.00000°. NP2:ϕ_s0.00000°,δ19.00000°,λ-100.00000°. Principal axes: T 4.0500,Plg26.0000°,Azm277.0000°; N 1.9900,Plg3.0000°,Azm9.0000° ; P -6.0300,Plg63.0000°,Azm105.0000° $M_0$5.30000×10^{17}
SZGRF Tonga Islands.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=249, per= 50. Moment Tensor Solution. s106,c240; s47,c55; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.37±.05 $M_{\theta\theta}$-1.19±.06; $M_{\phi\phi}$4.56±.06; $M_{r\theta}$1.11±.04; $M_{\theta\phi}$-0.62±.06; $M_{\phi r}$4.18±.04; Best double couple: NP1:ϕ_s331.00000°,δ26.00000°,λ-127.00000°. NP2:ϕ_s191.00000°,δ70.00000°,λ-74.00000°. Principal axes: T 6.3600,Plg23.0000°,Azm269.0000°; N -0.8200,Plg15.0000°,Azm6.0000° ; P -5.5400,Plg62.0000°,Azm126.0000° $M_0$6.00000×10^{17}

(265) Minahassa Peninsula, Sulawesi

ISC	**V**	**14 04 51 19.6–.45**	**0.75N–.04**	**120.18E–.05**	**70–3**	**4.7b**	**165**	**2-117**
BJI	V	14 04 51 15.4	0.45N	120.22E	66	4.8b,4.8b		¶15154316
AUST	V	14 04 51 18.0	1.00N	120.50E	60	4.8b,4.8b		
ISCJB	V	14 04 51 18.3–.49	0.75N–.03	120.18E–.03	73–5	4.6b,4.8b		
IDC	V	14 04 51 19.5–2.0	0.72N	120.07E	73–18	4.2,4.2b		
DJA	V	14 04 51 19.7–.30	1N–3.0	120E–2.0	49–6	5.4b,5.2		
NEIC	V	14 04 51 20.0–.89	0.71N	120.13E	77–8	4.7b,5.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.3km az=37.0.
IDC Error ellipse: s-maj=25.8km s-min=10.7km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=10.8km s-min=4.6km az=61.0. Felt [III] at Tolitoli.

(227) Eastern Honshu

JMA	**V**	**14 07 34 08.4–.10**	**37.06N**	**140.91E**	**90–1**	**3.5**		
								¶15425088

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(159) North Island

WEL	**V**	**14 11 14 25.2–.08**	**40.21S**	**175.01E**	**12**	**3.6L**		
								¶14301903

WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.6km az=90.0. Felt from Wanganui to Manawatu, maximum reported intensity MM 4.

(230) Near south coast of eastern Honshu

ISC	**V**	**14 18 38 46.3–.86**	**34.26N–.03**	**139.16E–.04**	**10–5**	**3.6b**	**28**	**0-93**
NIED	V	14 18 38 00	34.30N	139.10E	17	3.7W		¶12824916
IDC	V	14 18 38 44.7–.87	34.19N	139.16E	0	3.8,3.8L		
ISCJB	V	14 18 38 45.9–.52	34.26N–.03	139.16E–.05	12–3	3.5b,2.9s		
JMA	V	14 18 38 46.4	34.28N	139.13E	7–1	3.3,2.9s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ74.00000°,λ157.00000°. NP2:ϕ_s47.00000°,δ68.00000°,λ18.00000°. $M_0$4.08000×10^{14}
IDC Error ellipse: s-maj=25.8km s-min=14.4km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.5km az=170.4.
JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**V**	**14 22 08 02.8–.87**	**40.12N–.04**	**142.09E–.07**	**57–7**	**3.9b**	**35**	**0-77**
NIED	V	14 22 08 00	40.10N	142.10E	59	3.9W		¶13678958
ISCJB	V	14 22 08 01.9–.55	40.14N–.03	142.14E–.08	63–5	3.8b		
JMA	V	14 22 08 02.8	40.13N	142.12E	55–1	3.8		
IDC	V	14 22 08 03.7–2.4	40.14N	141.98E	67–20	3.7,3.6b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ77.00000°,λ83.00000°. NP2:ϕ_s27.00000°,δ15.00000°,λ120.00000°. $M_0$7.16000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.5km az=4.7.
JMA Event type fe.
IDC Error ellipse: s-maj=22.2km s-min=14.0km az=120.0.

(1) Central Alaska

ISC	**V**	**14 23 26 09.9–.60**	**62.98N–.04**	**150.45W–.04**	**102–5**	**4.2b**	**113**	**0-78**
ISCJB	V	14 23 26 08.6–.22	62.94N–.02	150.45W–.06	110–3	4.0b		¶12824926
IDC	V	14 23 26 08.6–2.1	63.03N	150.75W	87–19	3.7,3.6		
NEIC	V	14 23 26 10.1	62.95N	150.50W	95	3.9b,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=33.0.
IDC Error ellipse: s-maj=22.7km s-min=16.5km az=107.0.
NEIC Event type fe. Felt at Talkeetna. After AEIC.

(115) Near coast of Peru

ISC	**V**	**14 23 27 13.6–.87**	**16.2S–.10**	**72.4W–.10**	**103**		**13**	**1-85**
ISCJB	V	14 23 27 09.9–.81	16.22S–.09	72.3W–.10	103	3.4b		¶13678961
NEIC	V	14 23 27 10.1–1.1	16.20S	72.19W	63–14	3.9		
IDC	V	14 23 27 15.2–2.3	15.98S	72.35W	105–21	3.2,3.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.0km s-min=7.1km az=143.5.
NEIC Event type fe. Error ellipse: s-maj=22.5km s-min=14.8km az=46.0. Felt [II] at Arequipa and Camana.
IDC Error ellipse: s-maj=51.0km s-min=17.1km az=34.0.

(163) Cook Strait

ISC	**V**	**14 23 47 36.6–.76**	**41.38S–.03**	**174.14E–.03**	**46–5**	**3.9b**	**96**	**0-152**
ISCJB	V	14 23 47 35.8–.34	41.41S–.04	174.14E–.04	57–5	3.9b,3.4s		¶13678962
NEIC	V	14 23 47 37.3	41.37S	174.12E	39	4.5L,3.4s		
WEL	V	14 23 47 37.3–.07	41.37S	174.12E	39–1	4.5L,3.4s		
IDC	V	14 23 47 39.0–2.3	40.97S	174.14E	73–20	3.9,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.3km az=144.2.
NEIC Event type fe. Felt [V] at Blenheim and [IV] at Kelburn, Lower Hutt, Picton, Redwoodtown, Renwick, Springlands, Wellington and Witherlea. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=0.0. Felt from Wellington to Nelson, maximum reported intensity MM 5.
IDC Error ellipse: s-maj=25.8km s-min=22.2km az=100.0.

(162) South Island

WEL	**V**	**15 10 32 35.5–.17**	**41.13S**	**173.92E**	**67–1**	**3.7L**		
								¶14301960

WEL Event type fe. Error ellipse: s-maj=1.6km s-min=1.3km az=90.0. Felt from Nelson to Wellington, maximum reported intensity MM 4.

(13) Kodiak Island region

ISC	**V**	**15 17 38 18.5–.43**	**56.44N–.05**	**152.23W–.03**	**28–1**	**4.9b,4.4s**	**580**	**1-152**
NEIC	V	15 17 38 14.9	56.27N	152.04W	10	4.6b,4.3L		¶12825031
IDC	V	15 17 38 14.6–.54	56.50N	152.38W	0	4.7,4.6		
BJI	V	15 17 38 16.2	56.40N	152.53W	29	5.1b,5.0s		
ISCJB	V	15 17 38 17.5–.17	56.59N–.02	152.19W–.03	27	4.8b,4.5s		
MOS	V	15 17 38 18.5–.99	56.61N	152.31W	33	5.2b,4.4s		
GCMT	V	15 17 38 19.2–.30	56.15N	151.99W	13–1	4.9W,4.4s		
SZGRF	V	15 17 38 30.2	58.02N	152.88W	33	5.1b,4.4s		

ISC Event type fe.
NEIC Event type fe. Felt at Old Harbor. After AEIC.
IDC Error ellipse: s-maj=16.0km s-min=10.1km az=19.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=9.4.
MOS Error ellipse: s-maj=10.8km s-min=3.7km az=88.7.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s26,c32; s59,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}1.22±.12 $M_{\theta\theta}$-0.88±.07; $M_{\phi\phi}$-0.34±.08; $M_{r\theta}$2.23±.35; $M_{\theta\phi}$-0.97±.05; $M_{\phi r}$0.12±.19; Best double couple: NP1:ϕ_s206.00000°,δ24.00000°,λ38.00000°. NP2:ϕ_s81.00000°,δ76.00000°,λ109.00000°. Principal axes: T 2.7000,Plg55.0000° ,Azm15.0000°; N -0.0600,Plg18.0000°,Azm256.0000°; P -2.6400,Plg28.0000° ,Azm156.0000° $M_0$2.70000×10^{16}
SZGRF Kodiak Island, Alaska, United States, region.

(74) Near coast of Nicaragua

ISC	**V**	**15 22 47 06.6–.67**	**12.55N–.05**	**87.71W–.05**	**63–5**	**4.2b**	**95**	**1-148**
ISCJB	V	15 22 47 06.0–.30	12.52N–.04	87.72W–.04	71–3	4.2b		¶12828721
NEIC	V	15 22 47 07.0–.97	12.48N	87.81W	64–12	4.4b		
CASC	V	15 22 47 06.8–3.0	12.53N	87.74W	43–142	4.4b,4.2L		
IDC	V	15 22 47 07.7–1.9	12.93N	87.37W	64–7	4.0,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=3.2km az=40.7.
NEIC Event type fe. Error ellipse: s-maj=14.2km s-min=8.6km az=74.0. Felt at Chinandega.
CASC Error ellipse: s-maj=23.4km s-min=16.0km az=-1.0.
IDC Error ellipse: s-maj=41.2km s-min=31.8km az=51.0.

(177) Kermadec Islands region

ISC	**V**	**16 00 53 50.5–.40**	**31.46S–.03**	**178.55W–.03**	**35–2**	**6.3s,6.1b**	**1979**	**2-175**
PDG	V	16 00 53 44.6	31.50S	178.80W	10	6.3s,6.1b		¶15741854
BJI	V	16 00 53 45.1	30.98S	178.19W	9	6.7b,6.3s		
SZGRF	V	16 00 53 46.0	32.71S	178.23W	33	6.8b,6.3s		
ISCJB	V	16 00 53 50.3–.10	31.59S–.02	178.74W–.03	43	6.2s,6.0b		
MOS	V	16 00 53 50.1–.95	31.36S	178.63W	33	6.3s,6.3b		
AUST	V	16 00 53 50.6–.81	31.45S	178.28W	31–0	6.3s,6.3b		
NEIC	V	16 00 53 51.2–.08	31.55S	178.83W	43	6.6W,6.5W		
IDC	V	16 00 53 53.3–1.0	31.40S	178.57W	55–8	6.3s,6.3		
DJA	V	16 00 53 55.6–2.2	31S–7.0	178W–11	107–20	6.6b,6.5		
GCMT	V	16 00 53 57.7–.10	31.56S	178.12W	48–0	6.5W,6.5		

ISC Event type fe.
PDG Event type ke.
SZGRF South of Kermadec Islands.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.2km az=34.3.
MOS Error ellipse: s-maj=9.2km s-min=6.9km az=67.7.
AUST Error ellipse: s-maj=0.9km s-min=0.6km az=311.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=134.0. Felt at Gisborne, Rotorua and Wellington, New Zealand. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s35.00000°,δ55.00000°,λ100.00000°. NP2: ϕ_s198.00000°,δ36.00000°,λ76.00000°. Principal axes: T Plg77.0000°,Azm339.0000° ; N Plg0.0000°,Azm0.0000°; P Plg9.0000°,Azm118.0000° Moment Tensor Solution. s98 Moment tensor: Scale 10^{18}Nm; M_{rr}3.38 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$-1.43 $M_{r\theta}$0.68 $M_{\theta\phi}$0.05 $M_{\phi r}$2.58 Best double couple: NP1:ϕ_s19.00000°,δ69.00000°,λ87.00000°. NP2:ϕ_s207.00000° ,δ21.00000°,λ98.00000°. Principal axes: T 4.5600,Plg66.0000°,Azm283.0000° ; N -1.9300,Plg2.0000°,Azm20.0000°; P -2.6300,Plg23.0000°,Azm111.0000° $M_0$4.40000×10^{18} Moment Tensor Solution. $M_0$1.10000×10^{19}
IDC Error ellipse: s-maj=11.0km s-min=9.6km az=53.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 107 sta. Surface waves: sta=118, comp=278, per= 50. Moment Tensor Solution. s123,c313; s99,c215; Moment tensor: Scale 10^{18}Nm; M_{rr}6.10±.04 $M_{\theta\theta}$0.20±.03; $M_{\phi\phi}$-6.31±.03; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-1.99±.02; $M_{\phi r}$3.08±.03; Best double couple: NP1:ϕ_s199.00000°,δ32.00000°,λ95.00000°. NP2:ϕ_s13.00000°,δ58.00000°,λ87.00000°. Principal axes: T 6.8200,Plg77.0000° ,Azm272.0000°; N 0.7500,Plg3.0000°,Azm15.0000°; P -7.5800,Plg13.0000°,Azm105.0000° $M_0$7.20000×10^{18}

(78) Costa Rica

ISC	**V**	**16 06 57 54.0–.97**	**9.64N–.07**	**83.53W–.05**	**12**	**3.2b**	**13**	**0-57**
NEIC	V	16 06 57 56.1	9.40N	83.85W	5	4.4		¶13679042
IDC	V	16 06 57 58.9–4.5	10.29N	82.40W	0	3.8,3.5		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Dominical. After CASC.
IDC Error ellipse: s-maj=132.3km s-min=88.0km az=39.0.

(254) Panay

MAN	**V**	**16 11 40 12**	**10.59N**	**122.38E**	**31**	**4.6b,3.5L**		
								¶14717523

MAN Event type fe. INTENSITY I - ILOILO CITY.

(135) Near coast of central Chile

ISC	**V**	**16 12 14 12.2–.74**	**32.81S–.03**	**71.32W–.04**	**60–6**	**3.9b**	**76**	**0-122**
ISCJB	V	16 12 14 11.6–.45	32.81S–.03	71.32W–.05	67–4	3.8b		¶13679052
NEIC	V	16 12 14 12.6	32.82S	71.30W	53	4.1,3.7b		
GUC	V	16 12 14 12.6–.45	32.82S	71.30W	53–2	4.1,3.9L		
IDC	V	16 12 14 14.9–3.9	32.64S	71.33W	88–33	3.9b,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.0km az=165.4.
NEIC Event type fe. Felt [III] at San Felipe, Valparaiso, Vina del Mar and Zapallar; [II] at Casablanca, Los Andes, Quillota and San Antonio. After GUC.
GUC Error ellipse: s-maj=0.8km s-min=1.3km az=-1.0.
IDC Error ellipse: s-maj=67.2km s-min=19.2km az=110.0.

(500) Central Texas

ISC	**V**	**16 16 24 06.3–.57**	**32.82N–.03**	**97.06W–.03**	**10**	**3.4b**	**53**	**0-44**
ISCJB	V	16 16 24 04.3–.34	32.76N–.03	97.06W–.03	10	3.3b		¶12826797
NEIC	V	16 16 24 06.6–1.3	32.80N	97.02W	9–10	3.3		
IDC	V	16 16 24 06.6–2.7	32.90N	97.09W	0	3.7,3.7L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=179.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=5.8km az=181.0. Felt [IV] at Fort Worth; [III] at Bedford, Colleyville, Dallas, Euless, Grand Prairie, Grapevine, Hurst, Irving and Roanoke; [II] at Argyle, Arlington, Keller, North Richland Hills and Southlake. Felt widely in the Dallas-Fort Worth area.
IDC Error ellipse: s-maj=40.1km s-min=13.1km az=122.0.

(460) Wyoming

ISC	**V**	**16 20 56 21.2–.69**	**43.65N–.03**	**105.31W–.03**	**0**		**81**	**0-62**
IDC	V	16 20 56 17.1–2.9	43.03N	105.09W	0	3.8,3.7L		¶13679080
ISCJB	V	16 20 56 20.6–.28	43.69N–.02	105.30W–.03	0	3.9b,3.7L		

NEIC V 16 20 56 21.4–.34 43.73N 105.24W 0 2.9L,3.7L
ISC Event type sm.
IDC Error ellipse: s-maj=62.6km s-min=9.8km az=160.0.
ISCJB Event type fm. Error ellipse: s-maj=3.3km s-min=2.7km az=165.3.
NEIC Event type fm. Error ellipse: s-maj=5.1km s-min=4.4km az=179.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(238) Ryukyu Islands

ISC	**V**	**16 23 42 41.5–.87**	**27.83N–.08**	**128.95E–.09**	**44–7**	**3.6b**	**27**	**0-77**
ISCJB	V	16 23 42 41.1–.43	27.87N–.07	128.92E–.09	53–5	3.5b		**¶13679087**
JMA	V	16 23 42 41.6–.10	27.95N	128.85E	43–1	3.3		
IDC	V	16 23 42 46.5–8.3	27.95N	128.82E	88–53	3.5,3.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=16.8km s-min=4.6km az=41.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=71.6km s-min=27.4km az=166.0.

(460) Wyoming

ISC	**V**	**17 06 45 17.1–1.2**	**42.58N–.03**	**108.16W–.03**	**6–8**	**4.1b**	**104**	**1-123**
IDC	V	17 06 45 15.8–.74	42.62N	108.10W	0	4.0,3.9b		**¶12828754**
NEIC	V	17 06 45 18.2–.26	42.54N	108.12W	5	3.7W,3.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=8.9km s-min=7.0km az=169.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=56.0. Felt [III] at Lander and [II] at Rock Springs. Also felt at Fort Washakie, Jeffrey City, Riverton and Thermopolis. Moment Tensor Solution. $M_0$4.50000×10^{14}

(162) South Island

WEL	**V**	**17 07 48 16.2–.24**	**42.26S**	**171.34E**	**5**	**3.6L**	**¶14302055**

WEL Event type fe. Error ellipse: s-maj=2.6km s-min=1.6km az=90.0. Felt in the West Coast region, maximum reported intensity MM 4.

(717) Afghanistan-Tajikistan border region

ISC	**V**	**17 11 57 58.3–.27**	**36.64N–.03**	**71.08E–.03**	**232–2**	**4.6b**	**617**	**3-150**
SZGRF	V	17 11 57 36.2	36.98N	72.00E	33	4.9b		**¶13184013**
BJI	V	17 11 57 56.8	36.75N	70.93E	233	4.8b,4.7b		
ISCJB	V	17 11 57 56.5–.23	36.62N–.02	71.03E–.02	227–2	4.5b,4.7b		
MOS	V	17 11 57 57.5–.83	36.66N	71.04E	235	4.6b,4.7b		
DJA	V	17 11 57 58.0–.50	37N–7.0	71E–6.0	228–6	4.8,4.8b		
IDC	V	17 11 57 58.9–.48	36.57N	71.10E	241–4	4.4,4.3		
NEIC	V	17 11 57 58.9–.18	36.64N	71.05E	238	4.6b,4.3		
NNC	V	17 11 58 05.3–4.6	37.28N	71.18E	238–39	5.3,4.1b		

ISC Event type fe.
SZGRF Afghanistan-Tajikistan border region.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.5km az=149.9.
MOS Error ellipse: s-maj=5.3km s-min=3.6km az=107.7.
IDC Error ellipse: s-maj=9.0km s-min=6.6km az=4.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.5km az=186.0. Felt at Kabul.
NNC Error ellipse: s-maj=42.5km s-min=21.7km az=4.0.

(123) Northern Chile

ISC	**V**	**17 12 35 22.0–.20**	**27.22S–.03**	**69.74W–.05**	**99–1**	**5.2b**	**786**	**1-177**
ISCJB	V	17 12 35 19.7–.42	27.17S–.03	69.66W–.04	83–3	5.1b		**¶12828761**
GUC	V	17 12 35 20.2–.68	27.21S	69.99W	106–6	5.7L		
NEIC	V	17 12 35 21.9–.13	27.23S	69.64W	94	5.2b		
BJI	V	17 12 35 21.9	27.20S	69.60W	93	5.2b		
IDC	V	17 12 35 22.4–.27	27.23S	69.75W	97–2	4.8,4.8		
MOS	V	17 12 35 22.5–1.0	26.99S	69.64W	101	5.2b,4.8		
GCMT	V	17 12 35 25.2–.20	27.39S	70.24W	102–1	5.2W,4.8		
DJA	V	17 12 35 59.6–10	29S–43	69W–31	375–90	5.3,5.3b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Copiapo; [IV] at El Salvador and Tierra Amarilla; [III] at Caldera, Diego de Almagro and Vallenar; [II] at Alto del Carmen, Chanaral, Freirina and Huasco.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s65,c88; s77,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.62±.17 $M_{\theta\theta}$1.79±.17; $M_{\phi\phi}$5.83±.22; $M_{r\theta}$-1.92±.14; $M_{\theta\phi}$-0.58±.19; $M_{\phi r}$4.01±.18; Best double couple: NP1:ϕ_s356.00000°,δ29.00000°,λ-79.00000°. NP2:ϕ_s163.00000°,δ62.00000°,λ-96.00000°. Principal axes: T 7.1600,Plg16.0000° ,Azm258.0000°; N 1.8400,Plg5.0000°,Azm166.0000°; P -8.9900,Plg73.0000°,Azm58.0000° $M_0$8.10000×10^{16}

(193) Bougainville - Solomon Islands region

ISC	**V**	**17 17 57 13.3–.33**	**9.59S–.05**	**159.47E–.04**	**15–1**	**5.0b,4.3s**	**319**	**0-164**
BJI	V	17 17 57 08.2	9.77S	159.59E	5	5.1b,4.9s		**¶13439662**
IDC	V	17 17 57 10.8–.36	9.58S	159.52E	0	4.8,4.8		
NEIC	V	17 17 57 12.8–.15	9.50S	159.35E	10	5.1b,4.8		
ISCJB	V	17 17 57 12.1–.21	9.54S–.05	159.36E–.03	15	4.9b,4.3s		
MOS	V	17 17 57 15.1–.96	9.43S	159.21E	33	5.2b,4.3s		
GCMT	V	17 17 57 16.0–.20	9.68S	159.35E	22–0	5.1W,4.3s		
DJA	V	17 17 57 19.4–1.0	10S–7.0	160E–6.0	90–10	5.4b,4.9		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Honiara.
ISCJB Event type fe.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s39,c53; s79,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}4.19±.22 $M_{\theta\theta}$-1.71±.14; $M_{\phi\phi}$-2.48±.13; $M_{r\theta}$0.31±.23; $M_{\theta\phi}$2.03±.08; $M_{\phi r}$-3.12±.22; Best double couple: NP1:ϕ_s305.00000°,δ31.00000°,λ60.00000°. NP2:ϕ_s159.00000°,δ63.00000°,λ107.00000°. Principal axes: T 5.4500,Plg67.0000° ,Azm100.0000°; N -0.5000,Plg15.0000°,Azm331.0000°; P -4.9500,Plg17.0000° ,Azm237.0000° $M_0$5.20000×10^{16}

(555) Western Arabian Peninsula

ISC	**V**	**17 19 50 06.9–.31**	**25.24N–.03**	**37.60E–.03**	**10**	**4.5b,4.4s**	**412**	**0-95**
NSSC	V	17 19 49 56.0–2.3	24.73N	38.09E	0–288	4.5L,4.4s		**¶13439667**
SZGRF	V	17 19 49 57.0	22.99N	36.04E	33	4.5b,4.4s		
ISCJB	V	17 19 50 05.0–.20	25.27N–.02	37.63E–.02	10	4.4b,4.2s		
CSEM	V	17 19 50 05.1–.16	25.23N	37.67E	2	4.8s,4.6b		
IDC	V	17 19 50 06.5–.57	25.37N	37.60E	0	4.3,4.2		
BJI	V	17 19 50 06.6	25.40N	37.70E	10	5.0b,4.7s		
NEIC	V	17 19 50 06.2–.33	25.21N	37.60E	10	4.6b,4.7s		
HLW	V	17 19 50 07.3	25.30N	37.47E	7–7	3.5,3.3L		
MOS	V	17 19 50 09.5–1.1	25.41N	37.63E	33	4.8b,3.3L		

ISC Event type de.
NSSC Error ellipse: s-maj=423.4km s-min=24.5km az=-1.0.
SZGRF Sudan.
ISCJB Event type de. Error ellipse: s-maj=3.5km s-min=2.6km az=31.1.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=16.0.
IDC Error ellipse: s-maj=14.7km s-min=11.0km az=93.0.
NEIC Event type de. Error ellipse: s-maj=5.5km s-min=5.1km az=183.0. Some houses collapsed or damaged at Umm Lajj. Felt in the Al 'Ays area and at Medina and Yanbu' al Bahr. Some people reported a pungent odor from the volcanic fields in the area.
MOS Error ellipse: s-maj=10.4km s-min=4.5km az=95.5.

(227) Eastern Honshu

JMA	**V**	**17 23 42 08.6**	**36.00N**	**137.29E**	**11**	**3.4**	**¶12831000**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s334.00000°,δ89.00000°,λ-6.00000°. NP2:ϕ_s64.00000°,δ84.00000°,λ-179.00000°. Principal axes: T Plg3.0000°,Azm19.0000°; N Plg84.0000°,Azm140.0000°; P Plg5.0000° ,Azm289.0000°

(116) Central Peru

ISC	**V**	**18 02 12 14.5–.40**	**10.99S–.06**	**73.31W–.05**	**32–2**	**4.5b,3.9s**	**137**	**4-169**
ISCJB	V	18 02 12 14.0–.87	10.98S–.05	73.32W–.04	46–8	4.4b,3.9s		**¶12831005**
IDC	V	18 02 12 14.5–.50	10.92S	73.37W	32–3	4.3,4.2L		
NEIC	V	18 02 12 16.3–.52	11.02S	73.37W	51–5	4.7b,4.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.8km az=28.3.
IDC Error ellipse: s-maj=16.3km s-min=10.6km az=35.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.3km az=48.0. Felt [III] at Atalaya.

(43) Southern California

ISC	**V**	**18 03 39 35.4–1.5**	**33.89N–.04**	**118.31W–.04**	**7–8**	**4.7b,4.0s**	**192**	**0-149**
ISCJB	V	18 03 39 33.6–.35	33.79N–.03	118.42W–.03	10	4.6b,4.0s		**¶13439679**
IDC	V	18 03 39 34.8–.62	33.83N	118.31W	0	4.4,4.3		
BJI	V	18 03 39 35.0	33.90N	118.30W	13	5.2b,5.1s		
NEIC	V	18 03 39 36.3	33.94N	118.34W	14	5.0b,4.7W		

ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=4.8km s-min=3.2km az=40.1.
IDC Error ellipse: s-maj=10.8km s-min=7.6km az=56.0.
NEIC Event type de. Some windows broken at Lennox and Long Beach. Felt [V] at Bell, Bellflower, Carson, Compton, Downey, Gardena, Harbor City, Hawaiian Gardens, Huntington Park, Inglewood, Lakewood, Lawndale, Lomita, Long Beach, Los Angeles, Maywood, Paramount, Redondo Beach, Seal Beach, Signal Hill, South Gate, Sunset Beach, Torrance and Wilmington and [IV] in much of Los Angeles and Orange Counties. Felt as far as Bishop, the San Diego area, and in parts of the San Francisco Bay area. Also felt at North Las Vegas, Nevada and at Bullhead City and Phoenix, Arizona. Felt [III] at Rosarito and [II] at Tijuana, Baja California, Mexico. After PAS. Moment Tensor Solution. $M_0$1.20000×10^{16}

(236) Shikoku

ISC	**V**	**18 04 21 29.5–.86**	**32.48N–.06**	**132.07E–.05**	**33–2**	**3.6b**	**23**	**1-71**
NIED	V	18 04 21 00	32.50N	132.10E	32	3.9W		**¶13679158**
ISCJB	V	18 04 21 28.8–.61	32.48N–.06	132.06E–.06	43–6	3.5b,3.2s		
JMA	V	18 04 21 29.2	32.48N	132.07E	27–1	3.9,3.2s		
IDC	V	18 04 21 29.4–.97	32.43N	131.82E	32–6	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ83.00000°,λ-78.00000°. NP2:ϕ_s345.00000°,δ13.00000°,λ-151.00000°. $M_0$6.99000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=6.2km az=143.0.
JMA Event type fe.
IDC Error ellipse: s-maj=31.0km s-min=19.3km az=78.0.

(135) Near coast of central Chile

ISC	**V**	**18 08 14 24.2–.80**	**28.60S–.03**	**71.28W–.08**	**29**		**41**	**1-152**
ISCJB	V	18 08 14 23.4–.89	28.59S–.03	71.33W–.10	29	4.0b		**¶13679166**
NEIC	V	18 08 14 23.0	28.62S	71.28W	9	4.1L		
GUC	V	18 08 14 23.0–.86	28.62S	71.28W	9–8	4.1L		
IDC	V	18 08 14 24.5–1.2	28.92S	71.13W	40–6	3.9b,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.2km s-min=4.4km az=172.9.
NEIC Event type fe. Felt [III] at Alto del Carmen, Freirina and Huasco; [II] at Vallenar. After GUC.
GUC Error ellipse: s-maj=2.2km s-min=9.1km az=-1.0.
IDC Error ellipse: s-maj=59.8km s-min=39.3km az=148.0.

(274) Southern Sumatera

ISC	**V**	**18 10 09 44.2–1.2**	**4.37S–.04**	**101.05E–.05**	**17–7**	**5.0b,4.4s**	**346**	**1-172**
BJI	V	18 10 09 37.7	4.85S	101.08E	10	5.1b,5.0b		**¶15154378**
IDC	V	18 10 09 41.4–.48	4.32S	101.34E	0	4.8,4.7		
AUST	V	18 10 09 42.4	4.34S	100.95E	15	4.8,4.7		
ISCJB	V	18 10 09 43.6–.97	4.37S–.03	101.12E–.03	27–6	4.9b,4.4s		
DJA	V	18 10 09 44.0–1.5	4S–3.0	101E–3.0	14–11	5.5,5.4b		
MOS	V	18 10 09 45.3–1.0	4.19S	101.28E	33	5.2b,4.5s		
NEIC	V	18 10 09 47.3–.21	4.26S	101.24E	35	5.0b,4.5s		

ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=9.1km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.6km az=135.5.
MOS Error ellipse: s-maj=12.1km s-min=5.8km az=104.8.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=5.1km az=61.0. Felt [II] at Kapahiang.

(13) Kodiak Island region

ISC	**V**	**18 10 34 52.2–.52**	**57.73N–.05**	**153.18W–.04**	**42–5**	**3.7b**	**107**	**0-84**
ISCJB	V	18 10 34 50.8–.35	57.71N–.03	153.01W–.05	58–4	3.7b,2.9s		**¶13679169**
IDC	V	18 10 34 51.8–.76	57.73N	153.35W	35–5	3.9L,3.8		
NEIC	V	18 10 34 53.1	57.71N	153.12W	36	3.7L,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=160.0.
IDC Error ellipse: s-maj=13.9km s-min=10.3km az=5.0.
NEIC Event type fe. Felt [II] at Kodiak. After AEIC.

(115) Near coast of Peru

ISC	**V**	**18 14 01 04.9–.62**	**15.76S–.04**	**74.99W–.05**	**25–3**	**5.5s,5.3b**	**417**	**4-174**
IDC	V	18 14 01 01.1–.45	15.61S	74.95W	0	5.5,5.5s		**¶12834863**
NEIC	V	18 14 01 04.9–1.3	15.66S	74.84W	23–9	5.8W,5.7W		
ISCJB	V	18 14 01 04.6–.20	15.72S–.04	74.99W–.04	33	5.5s,5.2b		
BJI	V	18 14 01 05.5	15.42S	75.87W	26	5.8s,5.6b		
MOS	V	18 14 01 06.2–1.2	15.42S	75.07W	33	5.5s,5.3b		
GCMT	V	18 14 01 08.8–.10	15.80S	75.26W	12–0	5.8W,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.4km s-min=11.5km az=60.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=3.6km az=59.0. Felt [III] at Ica, Nazca, Palpa and San Juan de Marcona; [II] at Acari and Yauca. Moment Tensor Solution. s76 Moment tensor: Scale 10^{17}Nm; M_{rr}3.18 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-2.96 $M_{r\theta}$-0.26 $M_{\theta\phi}$1.12 $M_{\phi r}$-3.44 Best double couple: NP1:ϕ_s325.00000°,δ25.00000°,λ60.00000°. NP2:ϕ_s177.00000° ,δ69.00000°,λ103.00000°. Principal axes: T 4.8200,Plg63.0000°,Azm108.0000° ; N -0.1300,Plg12.0000°,Azm352.0000°; P -4.6900,Plg22.0000°,Azm257.0000° $M_0$4.70000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.4km az=137.7.
MOS Error ellipse: s-maj=13.0km s-min=7.4km az=109.6.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=222, per= 50. Moment Tensor Solution. s99,c194; s63,c70; Moment tensor: Scale 10^{17}Nm; M_{rr}3.05±.04 $M_{\theta\theta}$-0.45±.03; $M_{\phi\phi}$-2.60±.04; $M_{r\theta}$1.53±.11; $M_{\theta\phi}$1.64±.03; $M_{\phi r}$-5.19±.23; Best double couple: NP1:ϕ_s319.00000°,δ17.00000°,λ68.00000°. NP2:ϕ_s162.00000°,δ75.00000°,λ96.00000°. Principal axes: T 6.1700,Plg60.0000°,Azm81.0000°; N 0.3100,Plg6.0000°,Azm340.0000° ; P -6.4800,Plg29.0000°,Azm247.0000° $M_0$6.30000×10^{17}

(115) Near coast of Peru

ISC	**V**	**18 14 13 07.5–.36**	**15.76S–.06**	**75.11W–.08**	**30**	**5.4s,4.8b**	**167**	**4-169**
IDC	V	18 14 13 02.9–.55	15.66S	75.05W	0	4.9s,4.8		**¶12834865**
BJI	V	18 14 13 04.3	15.60S	75.00W	10	5.6s,5.4b		
ISCJB	V	18 14 13 05.6–.27	15.66S–.05	74.96W–.07	30	5.3s,4.7b		
NEIC	V	18 14 13 06.2–1.6	15.71S	75.04W	20–12	4.9b,4.6L		
GCMT	V	18 14 13 09.3–.30	15.90S	75.27W	18–1	5.3W,4.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=22.3km s-min=14.0km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=4.1km az=141.4.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=4.5km az=58.0. Felt [II] at Acari, Ica, Nazca and Yauca.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s20,c21; s62,c90; Moment tensor: Scale 10^{17}Nm; M_{rr}1.07±.07 $M_{\theta\theta}$-0.16±.04; $M_{\phi\phi}$-0.91±.05; $M_{r\theta}$0.07±.08; $M_{\theta\phi}$0.47±.02; $M_{\phi r}$-0.27±.11; Best double couple: NP1:ϕ_s331.00000°,δ38.00000°,λ85.00000°. NP2:ϕ_s157.00000°,δ52.00000°,λ94.00000°. Principal axes: T 1.1100,Plg82.0000° ,Azm87.0000°; N 0.0600,Plg3.0000°,Azm335.0000°; P -1.1700,Plg7.0000°,Azm245.0000° $M_0$1.10000×10^{17}

(171) South of Fiji Islands

ISC	**V**	**18 20 23 25.9–.52**	**19.56S–.07**	**177.56E–.06**	**19–2**	**5.1b,4.2s**	**287**	**2-154**
IDC	V	18 20 23 23.0–.62	19.52S	177.48E	0	4.6,4.5		**¶12838171**
NEIC	V	18 20 23 25.4–.23	19.56S	177.42E	19	5.1b,4.5		
ISCJB	V	18 20 23 26.2–3.1	19.57S–.06	177.42E–.06	33–22	4.9b,4.3s		
BJI	V	18 20 23 27.2	19.50S	177.30E	18	5.2b,5.0s		
GCMT	V	18 20 23 27.7–.20	19.31S	177.61E	18–1	5.1W,5.0s		
MOS	V	18 20 23 28.1–1.7	19.13S	177.38E	33	5.3b,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=23.6km s-min=16.7km az=130.0.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=6.4km az=139.0. Felt at Vunisea.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=8.9km az=139.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c53; s88,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.14 $M_{\theta\theta}$-4.23±.13; $M_{\phi\phi}$4.19±.12; $M_{r\theta}$-0.55±.29; $M_{\theta\phi}$1.79±.11; $M_{\phi r}$1.66±.31; Best double couple: NP1:ϕ_s57.00000°,δ70.00000°,λ5.00000°. NP2:ϕ_s326.00000°,δ86.00000°,λ160.00000°. Principal axes: T 5.0200,Plg17.0000° ,Azm280.0000°; N -0.2700,Plg70.0000°,Azm134.0000°; P -4.7600,Plg11.0000° ,Azm13.0000° $M_0$4.90000×10^{16}
MOS Error ellipse: s-maj=14.9km s-min=11.1km az=149.3.

(221) Kuril Islands

ISC	**V**	**18 22 04 38.1–.69**	**44.17N–.05**	**147.90E–.05**	**89–5**	**4.2b**	**196**	**1-149**
ISCJB	V	18 22 04 37.8–.52	44.20N–.04	147.83E–.06	98–3	4.2b		**¶13439698**
BJI	V	18 22 04 37.4	44.52N	148.17E	112	4.9b,4.4b		
IDC	V	18 22 04 38.7–2.0	44.30N	147.74E	91–18	4.1,4.1		
MOS	V	18 22 04 38.0–1.4	44.31N	147.77E	105	4.4b,4.1		
NEIC	V	18 22 04 38.6–.76	44.29N	147.80E	90–7	4.4b,4.1		
SKHL	V	18 22 04 40.1–1.4	44.17N	147.81E	81–30	6.1s,6.1b		
JMA	V	18 22 04 40.2–.20	43.95N	147.80E	85	4.6,6.1b		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.5km az=136.1.
IDC Error ellipse: s-maj=14.5km s-min=11.7km az=128.0.
MOS Error ellipse: s-maj=9.6km s-min=7.2km az=101.3.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=6.4km az=141.0. Recorded [1 JMA] in eastern Hokkaido.

JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

(377) Spain

ISC	**V**	**18 23 36 25.5–.70**	**37.78N–.02**	**1.68W–.02**	**9–6**		**291**	**0-10**
CSEM	V	18 23 36 25.9–.12	37.76N	1.71W	5	3.6L		**¶12842985**
ISCJB	V	18 23 36 25.1–.34	37.85N–.02	1.82W–.02	3–2	3.6L		
SFS	V	18 23 36 26.0	37.75N	1.62W	1	3.1L		
MDD	V	18 23 36 26.5–.19	37.72N	1.64W	0	3.0		
LDG	V	18 23 36 26.7–.15	37.68N	1.61W	2	3.5L		
INMG	V	18 23 36 26.4–1.3	37.72N	1.64W	5–2	3.2L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=150.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=163.4.
SFS Event type ke.
MDD Event type fe. Error ellipse: s-maj=2.4km s-min=1.5km az=145.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=1.8km az=142.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=137.0.

(14) Kenai Peninsula

ISC	**V**	**19 05 41 19.1–.67**	**60.79N–.03**	**151.67W–.03**	**79–5**	**3.7b**	**109**	**0-69**
ISCJB	V	19 05 41 17.6–.23	60.82N–.02	151.63W–.05	86–3	3.7b		**¶12838183**
IDC	V	19 05 41 17.6–1.3	60.81N	151.96W	66–13	3.8,3.6b		
NEIC	V	19 05 41 19.9	60.81N	151.65W	72	3.6,3.6b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.3km az=34.1.
IDC Error ellipse: s-maj=15.9km s-min=9.2km az=102.0.
NEIC Event type fe. Felt at Eagle River. After AEIC.

(555) Western Arabian Peninsula

ISC	**V**	**19 06 38 32.5–.60**	**25.24N–.03**	**37.76E–.02**	**11–3**	**4.6b,4.1s**	**451**	**0-94**
BJI	V	19 06 38 26.3	25.11N	37.06E	10	5.0s,5.0b		**¶13439705**
HLW	V	19 06 38 30.0	25.05N	37.87E	5–31	5.2L,0.0		
ISCJB	V	19 06 38 31.1–.20	25.27N–.03	37.75E–.02	10	4.5b,4.2s		
CSEM	V	19 06 38 31.6–.15	25.28N	37.78E	2	5.0W,4.7b		
IDC	V	19 06 38 31.4–.59	25.34N	37.75E	0	4.4,4.4		
NEIC	V	19 06 38 32.5–.27	25.21N	37.77E	10	4.9b,4.4		
GCMT	V	19 06 38 33.3–.30	25.18N	37.79E	12	4.9W,4.4		
TEH	V	19 06 38 33.0	25.11N	37.79E	10	4.9L,4.4		
MOS	V	19 06 38 34.9–.76	25.33N	37.75E	33	4.7b,4.4		
NSSC	V	19 06 38 43.1–1.9	26.21N	37.51E	0–562	4.6L,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.6km az=18.3.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=28.0.
IDC Error ellipse: s-maj=13.2km s-min=11.5km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.4km az=211.0. Felt at Yanbu' al Bahr.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s17,c17; s70,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.39±.07 $M_{\theta\theta}$0.77±.07; $M_{\phi\phi}$1.62±.06; $M_{r\theta}$-0.58±.28; $M_{\theta\phi}$-1.10±.05; $M_{\phi r}$-0.06±.27; Best double couple: NP1:ϕ_s337.00000°,δ43.00000°,λ-73.00000°. NP2:ϕ_s134.00000°,δ49.00000°,λ-105.00000°. Principal axes: T 2.3900,Plg3.0000° ,Azm235.0000°; N 0.1200,Plg11.0000°,Azm144.0000°; P -2.5100,Plg78.0000° ,Azm341.0000° $M_0$2.50000×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=4.2km az=106.6.
NSSC Error ellipse: s-maj=817.4km s-min=76.0km az=-1.0.

(555) Western Arabian Peninsula

ISC	**V**	**19 16 54 31.3–.37**	**25.24N–.03**	**37.71E–.03**	**13–1**	**4.9b,4.3s**	**941**	**3-122**
BJI	V	19 16 54 22.4	24.91N	36.83E	10	5.1b,5.0s		**¶13065876**
ISCJB	V	19 16 54 29.9–.18	25.30N–.02	37.74E–.02	14	4.8b,4.3s		
CSEM	V	19 16 54 29.9–.09	25.29N	37.75E	2	5.0W,4.9b		
IDC	V	19 16 54 29.3–.52	25.24N	37.78E	0	4.6,4.6		
DJA	V	19 16 54 30.6–.50	25N–8.0	38E–7.0	10	6.4,5.9b		
GCMT	V	19 16 54 31.7–.20	25.20N	37.76E	12	5.0W,5.9b		
NEIC	V	19 16 54 31.1–.25	25.25N	37.70E	10	5.1b,5.9b		
HLW	V	19 16 54 32.0	25.29N	37.56E	9–10	3.4L,0.0		
MOS	V	19 16 54 33.0–.76	25.35N	37.74E	33	5.1b,0.0		
SZGRF	V	19 16 54 35.2	25.62N	37.94E	33	5.2b,0.0		
TEH	V	19 16 54 35.0	25.24N	37.74E	35	4.9L,0.0		
NSSC	V	19 16 54 43.5–1.9	26.41N	38.07E	0–166	4.8L,0.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.1km az=7.4.
CSEM Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=11.7km az=39.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c37; s75,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.14±.09 $M_{\theta\theta}$1.21±.09; $M_{\phi\phi}$2.94±.09; $M_{r\theta}$0.08±.35; $M_{\theta\phi}$-1.95±.07; $M_{\phi r}$-0.44±.29; Best double couple: NP1:ϕ_s145.00000°,δ42.00000°,λ-94.00000°. NP2:ϕ_s329.00000°,δ48.00000°,λ-87.00000°. Principal axes: T 4.2300,Plg3.0000° ,Azm57.0000°; N -0.0500,Plg2.0000°,Azm147.0000°; P -4.1700,Plg86.0000°,Azm278.0000° $M_0$4.20000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.9km az=6.0. Felt at Yanbu' al Bahr.
MOS Error ellipse: s-maj=6.8km s-min=3.2km az=110.6.
SZGRF Western Arabian Peninsula.
NSSC Error ellipse: s-maj=246.2km s-min=21.4km az=-1.0.

(555) Western Arabian Peninsula

ISC	**V**	**19 17 35 01.3–.28**	**25.24N–.02**	**37.74E–.02**	**9–1**	**5.5b,5.3s**	**1927**	**0-173**
BGS	V	19 17 34 33.9–1.9	22.33N	39.50E	5	5.6b,5.0s		**¶14598201**
BJI	V	19 17 34 54.0	25.01N	36.95E	10	5.9s,5.8b		
HLW	V	19 17 34 58.6	25.21N	37.76E	7–7	3.8L,0.0		
ISCJB	V	19 17 34 59.5–.12	25.32N–.02	37.74E–.01	5	5.5b,5.3s		
IDC	V	19 17 35 00.7–.31	25.35N	37.78E	0	5.3,5.3s		
CSEM	V	19 17 35 00.9–.07	25.36N	37.78E	2	5.7W,5.6b		
NEIC	V	19 17 35 01.1–.14	25.29N	37.74E	5	5.7b,5.7W		
SZGRF	V	19 17 35 02.9	25.04N	37.65E	33	5.7b,4.6s		
GCMT	V	19 17 35 02.5–.10	25.20N	37.76E	12	5.7W,4.6s		
TEH	V	19 17 35 03.0	25.36N	37.68E	10	5.6L,4.6s		
MOS	V	19 17 35 04.0–.82	25.40N	37.74E	33	5.8b,5.1s		
NSSC	V	19 17 35 05.8–2.5	25.51N	37.13E	37–999	5.3L,5.1s		
DJA	V	19 17 35 06.1–.70	25N–4.0	38E–6.0	48–8	7.1,6.1b		

ISC Event type de.
ISCJB Event type de.
CSEM Event type ke.
NEIC Event type de. At least seven people injured in Al Madinah. Felt at Al 'Ula, Al Wajh, Medina, Umm Lajj, Yanbu' al Bahr and in other parts of Al Madinah. Several large ground cracks and landslides were observed in Al Madinah. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s290.00000°,δ60.00000°,λ-90.00000°. NP2: ϕ_s110.00000°,δ30.00000°,λ-90.00000°. Principal axes: T Plg15.0000°,Azm20.0000° ; N Plg0.0000°,Azm0.0000°; P Plg75.0000°,Azm200.0000° Moment Tensor Solution. s43 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.16 $M_{\theta\theta}$1.32 $M_{\phi\phi}$1.84 $M_{r\theta}$2.45 $M_{\theta\phi}$-1.34 $M_{\phi r}$0.60 Best double couple: NP1:ϕ_s158.00000°,δ38.00000°,λ-50.00000°. NP2:ϕ_s291.00000° ,δ62.00000°,λ-117.00000°. Principal axes: T 3.2000,Plg13.0000°,Azm40.0000° ; N 1.2300,Plg23.0000°,Azm304.0000°; P -4.4300,Plg62.0000°,Azm157.0000° $M_0$4.00000×10^{17}
SZGRF Western Arabian Peninsula.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=242, per= 50. Moment Tensor Solution. s82,c142; s63,c70; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.99±.03 $M_{\theta\theta}$1.59±.03; $M_{\phi\phi}$2.40±.04; $M_{r\theta}$0.35±.10; $M_{\theta\phi}$-1.85±.03; $M_{\phi r}$-0.29±.10; Best double couple: NP1:ϕ_s143.00000°,δ42.00000°,λ-88.00000°. NP2:ϕ_s320.00000°,δ48.00000°,λ-92.00000°. Principal axes: T 3.9100,Plg3.0000°,Azm51.0000°; N 0.1000,Plg1.0000°,Azm321.0000° ; P -4.0200,Plg87.0000°,Azm208.0000° $M_0$4.00000×10^{17}

(302) Eastern Kashmir

ISC	**V**	**19 19 29 48.9–.52**	**33.23N–.03**	**75.79E–.03**	**19–2**	**5.0b,3.9s**	**614**	**1-152**
LDG	V	19 19 29 44.4–.10	33.16N	75.84E	10	5.0b,3.7s		**¶13193042**
IDC	V	19 19 29 45.6–.44	33.14N	75.76E	0	4.9,4.9		
ISCJB	V	19 19 29 47.8–.60	33.20N–.02	75.82E–.02	25–4	4.9b,3.9s		
NDI	V	19 19 29 47.3–3.0	33.23N	75.57E	10	4.9b,4.8L		
NEIC	V	19 19 29 48.9–1.5	33.20N	75.79E	21–10	4.9b,4.8L		
MOS	V	19 19 29 49.0–.80	33.20N	75.74E	33	5.2b,4.8L		
SZGRF	V	19 19 29 51.0	33.62N	74.31E	13	4.8b,4.8L		
DJA	V	19 19 29 52.7–1.1	33N–9.0	76E–4.0	62–13	5.4b,5.3		
BJI	V	19 19 29 53.3	33.44N	76.43E	25	4.8b,4.8b		
KISR	V	19 19 29 55.5–3.0	34.15N	74.59E	0–999	5.5b,4.8b		
NNC	V	19 19 29 58.2–4.3	34.36N	75.87E	0	4.9,4.8b		

ISC Event type de.
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=3.8km az=42.0.
IDC Error ellipse: s-maj=13.6km s-min=10.3km az=19.0.
ISCJB Event type de. Error ellipse: s-maj=3.3km s-min=2.5km az=42.4.
NDI Error ellipse: s-maj=13.6km s-min=29.4km az=-1.0.
NEIC Event type de. Error ellipse: s-maj=5.0km s-min=3.0km az=199.0. At least 100 houses damaged slightly in the Kishtwar area. Felt at Doda, Jammu, Rajouri, Ramban and Udhampur.
MOS Error ellipse: s-maj=6.4km s-min=3.6km az=120.7.
SZGRF Southwestern Kashmir.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NNC Error ellipse: s-maj=41.0km s-min=24.8km az=156.0.

(224) Hokkaido region

ISC	**V**	**19 19 42 35.0–1.4**	**42.09N–.05**	**139.25E–.07**	**14–8**		**19**	**0-62**
NIED	V	19 19 42 00	42.10N	139.30E	5	3.5W		**¶13679256**
ISCJB	V	19 19 42 33.9–1.0	42.11N–.05	139.17E–.05	14–6	3.3b		
IDC	V	19 19 42 33.8–1.3	42.08N	139.11E	0	3.4,3.3b		
JMA	V	19 19 42 36.4–.10	42.10N	139.32E	11–1	3.8,3.3b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s286.00000°,δ81.00000°,λ-57.00000°. NP2:ϕ_s31.00000°,δ34.00000°,λ-163.00000°. $M_0$2.33000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=6.4km az=0.7.
IDC Error ellipse: s-maj=29.2km s-min=15.9km az=134.0.
JMA Event type fe.

(555) Western Arabian Peninsula

ISC	**V**	**19 19 57 18.7–.36**	**25.20N–.03**	**37.73E–.03**	**14–1**	**4.7b,4.1s**	**760**	**0-114**
ISCJB	V	19 19 57 15.6–.77	25.28N–.02	37.74E–.02	2–5	4.6b,4.1s		**¶13193044**
BJI	V	19 19 57 15.5	25.30N	37.70E	10	4.9b,4.8b		
NSSC	V	19 19 57 15.0–2.7	25.01N	38.40E	38–999	4.9L,4.8b		
IDC	V	19 19 57 16.9–.52	25.27N	37.81E	0	4.6,4.6		
CSEM	V	19 19 57 17.3–.10	25.27N	37.72E	2	4.8W,4.6b		
HLW	V	19 19 57 18.0	25.26N	37.63E	8–9	3.5L,0.0		
NEIC	V	19 19 57 18.4–.20	25.24N	37.75E	10	4.6b,0.0		
GCMT	V	19 19 57 19.5–.50	25.16N	37.77E	12	4.8W,0.0		
MOS	V	19 19 57 20.4–.79	25.32N	37.73E	33	5.0b,0.0		
DJA	V	19 19 57 21.9–1.9	26N–7.0	38E–8.0	28–17	6.3,5.8		

ISC Event type fe.
ISCJB Event type fe.
CSEM Event type ke.
NEIC Event type fe. Felt in parts of Al Madinah.
GCMT Event type se. Data Used: IC IU G II CN. Moment Tensor Solution. s12,c14; s58,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.76±.07 $M_{\theta\theta}$0.96±.07; $M_{\phi\phi}$0.80±.07; $M_{r\theta}$-0.51±.34; $M_{\theta\phi}$-0.96±.06; $M_{\phi r}$-0.38±.29; Best double couple: NP1:ϕ_s330.00000°,δ46.00000°,λ-64.00000°. NP2:ϕ_s115.00000°,δ50.00000°,λ-114.00000°. Principal axes: T 1.8400,Plg2.0000° ,Azm222.0000°; N 0.1200,Plg18.0000°,Azm131.0000°; P -1.9700,Plg72.0000° ,Azm318.0000° $M_0$1.90000×10^{16}

(181) Fiji Islands region

ISC	**V**	**19 20 30 34.9–.30**	**20.28S–.05**	**178.89W–.05**	**641–2**	**4.5b**	**372**	**4-173**
AUST	V	19 20 30 32.5–.03	20.15S	178.56W	627–0	4.5b		**¶15154405**
BJI	V	19 20 30 33.0	19.98S	178.77W	624	4.7b,4.6b		
ISCJB	V	19 20 30 34.2–.49	20.33S–.05	178.94W–.04	650–6	4.5b,4.6b		
IDC	V	19 20 30 34.6–.47	20.32S	178.90W	635–5	4.1,4.0		
NEIC	V	19 20 30 35.3–.18	20.28S	178.94W	647	4.5b,4.0		

ISC Event type fe.
AUST Error ellipse: s-maj=1.5km s-min=1.3km az=264.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.1km az=168.4.
IDC Error ellipse: s-maj=9.1km s-min=8.1km az=138.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=5.6km az=146.0. Felt at Suva.

(555) Western Arabian Peninsula

ISC	**V**	**19 20 35 40.4–.45**	**25.21N–.03**	**37.69E–.03**	**15–2**	**4.4b,3.9s**	**377**	**0-94**
BJI	V	19 20 35 31.5	24.98N	36.77E	10	5.0b,4.6s		**¶12842733**
IDC	V	19 20 35 39.0–.57	25.30N	37.75E	0	4.2,4.2		
HLW	V	19 20 35 38.5	25.21N	37.97E	25–65	3.8,3.2L		
CSEM	V	19 20 35 39.1–.15	25.29N	37.67E	2	5.1W,4.6b		
NEIC	V	19 20 35 40.1–.32	25.23N	37.70E	10	4.6b,4.6b		
MOS	V	19 20 35 42.2–.92	25.34N	37.73E	33	4.8b,4.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.4km s-min=12.1km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=8.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=5.3km az=53.0. Felt at Medina, Umm Lajj, Yanbu' al Bahr and in other parts of Al Madinah.
MOS Error ellipse: s-maj=9.7km s-min=4.6km az=93.2.

(43) Southern California

ISC	**V**	**19 22 49 11.3–1.4**	**33.94N–.04**	**118.32W–.04**	**7–9**		**77**	**0-35**
IDC	V	19 22 49 08.4–1.7	33.77N	118.43W	0	3.6,3.5		**¶12842736**
ISCJB	V	19 22 49 10.3–.73	33.96N–.03	118.28W–.03	15–3	3.0b,2.9s		
NEIC	V	19 22 49 11.4	33.93N	118.34W	15	3.8W,2.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=24.4km s-min=9.7km az=40.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.5km az=40.3.
NEIC Event type fe. Felt [IV] at Gardena, Hawthorne, Inglewood, Los Angeles, Manhattan Beach, Maywood, Newport Coast and Redondo Beach and [III] throughout the western part of the Los Angeles Basin. Felt from Oxnard to San Bernardino and as far south as San Diego. After PAS. Moment Tensor Solution. $M_0$6.80000×10^{14}

(90) Puerto Rico region

ISC	**V**	**20 03 36 08.7–1.2**	**18.92N–.05**	**65.52W–.02**	**30–8**	**4.5b,3.5s**	**191**	**1-161**
ISCJB	V	20 03 36 07.0–.19	19.03N–.02	65.47W–.02	33	4.6b,3.7s		**¶12844581**
BJI	V	20 03 36 07.4	19.00N	65.50W	18	4.6,3.7s		
NEIC	V	20 03 36 09.5	19.00N	65.50W	19	5.0b,4.3		
IDC	V	20 03 36 09.6–.68	18.74N	65.52W	63–6	3.9,3.9		
RSPR	V	20 03 36 09.5	19.00N	65.50W	19–3	4.3,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.3km az=21.3.
NEIC Event type fe. Felt [V] at Fajardo, [III] at Ceiba and [II] at San Juan. Also felt at Bayamon, Carolina, Dorado, Las Piedras, Naranjito, San Lorenzo, Trujillo Alto and Yabucoa. Felt on Saint John and Saint Thomas, U.S. Virgin Islands. Felt on Tortola, British Virgin Islands. Felt [IV] at Cole Bay and Cul de Sac and [III] at Marigot and Philipsburg, Saint Martin. Also felt on Saint-Barthelemy. After RSPR.
IDC Error ellipse: s-maj=13.0km s-min=8.5km az=43.0.
RSPR Event type ke.

(29) Washington

ISC	**V**	**20 19 06 36.8–1.4**	**47.58N–.04**	**121.87W–.06**	**22–7**		**17**	**1-2**
ISCJB	V	20 19 06 37.1–1.2	47.54N–.05	122.02W–.10	20–11			**¶12847720**
NEIC	V	20 19 06 38.0	47.60N	121.87W	21	2.5		
PNSN	V	20 19 06 38.3	47.60N	121.87W	21	2.5		
PGC	V	20 19 06 38.0	47.60N	121.87W	21	2.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=5.5km az=147.4.
NEIC Event type fe. Felt at Gold Bar, North Bend and Sultan. After SEA.
PNSN Moment Tensor Solution. NP1:ϕ_s25.00000°,δ70.00000° NP2:ϕ_s295.00000°,δ90.00000° Principal axes: T Plg14.0000°,Azm248.0000°; P Plg14.0000°,Azm342.0000°
PGC Event type ke. 34km east of Seattle, Wa Washington.

(238) Ryukyu Islands

ISC	**V**	**20 19 24 55.4–.98**	**28.61N–.05**	**130.08E–.07**	**32–6**	**3.9b,3.7s**	**55**	**0-92**
IDC	V	20 19 24 50.6–.63	28.69N	130.05E	0	4.1,4.0		**¶13439727**
ISCJB	V	20 19 24 55.0–.52	28.59N–.04	130.13E–.06	45–4	4.0b,3.6s		
JMA	V	20 19 24 55.0–.20	28.60N	130.12E	35–3	4.1,3.6s		
NIED	V	20 19 25 00	28.70N	130.20E	23	4.2W,3.6s		

ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=14.5km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=4.0km az=28.8.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ57.00000°,λ95.00000°. NP2:ϕ_s197.00000°,δ34.00000°,λ83.00000°. $M_0$2.43000×10^{15}

(238) Ryukyu Islands

ISC	**V**	**20 20 11 22.9–1.4**	**28.62N–.05**	**130.09E–.07**	**31–9**	**4.0b,3.4s**	**58**	**0-84**
NIED	V	20 20 11 00	28.60N	130.20E	23	4.2W,3.4s		**¶13439728**
IDC	V	20 20 11 18.0–.74	28.70N	130.22E	0	4.0,4.0		
ISCJB	V	20 20 11 22.3–.56	28.58N–.04	130.16E–.06	43–4	4.0b,3.4s		
JMA	V	20 20 11 22.8–.10	28.60N	130.12E	33–2	4.1,3.4s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ69.00000°,λ81.00000°. NP2:ϕ_s224.00000°,δ23.00000°,λ111.00000°. $M_0$2.42000×10^{15}

IDC Error ellipse: s-maj=26.5km s-min=15.2km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=4.0km az=30.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

(92) Leeward Islands

ISC	**V**	**21 01 02 25.7–.74**	**18.15N–.05**	**62.79W–.04**	**28–5**	**3.9b**	**59**	**1-164**
IDC	V	21 01 02 25.1–.87	17.97N	62.85W	25–5	4.0,3.7		**¶12867798**
NEIC	V	21 01 02 27.1–1.0	18.17N	62.78W	35	3.8,3.7		
TRN	V	21 01 02 27.6	17.91N	62.66W	17	3.8,3.7		

ISC Event type fe.
IDC Error ellipse: s-maj=27.9km s-min=16.8km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=20.2km s-min=5.0km az=209.0. Felt on Saint Kitts and Saint Martin.

(259) Mindanao

ISC	**V**	**21 05 53 56.5–.49**	**7.93N–.02**	**126.91E–.03**	**33–2**	**5.5b,5.4s**	**990**	**1-171**
MAN	V	21 05 53 53	7.74N	127.33E	25	6.2b,5.8s		**¶13469810**
NEIC	V	21 05 53 53.7–.13	7.89N	126.90E	14	5.7W,5.6W		
ISCJB	V	21 05 53 54.8–.12	7.93N–.01	127.05E–.02	33	5.4b,5.4s		
MOS	V	21 05 53 55.0–.96	7.84N	126.72E	33	5.7b,5.3s		
IDC	V	21 05 53 57.0–1.1	7.86N	126.80E	35–8	5.3,5.2		
DJA	V	21 05 53 57.5–.80	8N–5.0	127E–4.0	46–6	6.0,5.9b		
AUST	V	21 05 53 58.4–.21	7.82N	127.23E	52–0	6.0,5.9b		
BJI	V	21 05 53 59.1	8.04N	126.69E	60	5.7b,5.5s		
GCMT	V	21 05 53 59.4–.10	7.79N	127.15E	19–0	5.7W,5.5s		
TEH	V	21 05 54 00.0	7.83N	127.02E	64	5.9L,5.5s		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - HINATUAN SURIGAO DEL SUR; INTENSITY III - MATI; INTENSITY II - DAVAO.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.7km az=77.0. Felt [IV PIVS] at Hinatuan, [III PIVS] at Mati and [II PIVS] at Butuan, Cagayan de Oro, Davao, Manay and Nabunturan. Also felt at Bayugan and Tagum. Moment Tensor Solution. s40 Moment tensor: Scale 10^{17} Nm; M_{rr}2.26 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-3.03 $M_{r\theta}$0.83 $M_{\theta\phi}$1.67 $M_{\phi r}$1.75 Best double couple: NP1:ϕ_s8.00000° ,δ65.00000°,λ126.00000°. NP2:ϕ_s128.00000°,δ43.00000°,λ39.00000°. Principal axes: T 3.4600,Plg54.0000°,Azm323.0000°; N 0.5000,Plg31.0000°,Azm170.0000° ; P -3.9700,Plg12.0000°,Azm72.0000° M_o3.70000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=0.5.
MOS Error ellipse: s-maj=9.0km s-min=4.1km az=111.6.
IDC Error ellipse: s-maj=12.1km s-min=7.8km az=82.0.
AUST Error ellipse: s-maj=0.7km s-min=0.6km az=44.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=104, comp=218, per= 50. Moment Tensor Solution. s102,c191; s55,c58; Moment tensor: Scale 10^{17}Nm; M_{rr}3.02±.05 $M_{\theta\theta}$0.61±.03; $M_{\phi\phi}$-3.63±.04; $M_{r\theta}$1.57±.10; $M_{\theta\phi}$-0.57±.03; $M_{\phi r}$3.44±.12; Best double couple: NP1:ϕ_s171.00000°,δ23.00000°,λ61.00000°. NP2:ϕ_s21.00000°,δ70.00000°,λ102.00000°. Principal axes: T 4.8400,Plg63.0000°,Azm310.0000°; N 0.4700,Plg11.0000°,Azm197.0000° ; P -5.3200,Plg24.0000°,Azm102.0000° M_o5.10000×10^{17}

(248) Philippine Islands region

ISC	**V**	**21 07 35 28.3–.26**	**7.88N–.02**	**127.09E–.04**	**40–1**	**5.0b,4.5s**	**457**	**1-163**
BJI	V	21 07 35 24.9	7.63N	126.99E	37	5.1b,5.0b		**¶15154449**
MOS	V	21 07 35 25.9–1.1	7.86N	126.79E	33	5.3b,4.5s		
AUST	V	21 07 35 25.8	7.99N	127.53E	35	5.3b,4.5s		
MAN	V	21 07 35 26	7.81N	127.19E	52	5.6b,5.1s		
IDC	V	21 07 35 27.4–2.1	7.80N	126.82E	33–15	4.7,4.6		
NEIC	V	21 07 35 28.6–.22	7.82N	126.90E	39	5.0b,4.6		
ISCJB	V	21 07 35 29.5–.48	7.81N–.02	126.93E–.04	66–4	4.9b,4.6		
GCMT	V	21 07 35 30.5–.20	7.96N	127.22E	14–0	5.2W,4.6		
DJA	V	21 07 35 36.5–.70	7N–5.0	127E–4.0	52–6	6.0,5.5b		

ISC Event type fe.
MAN Event type fe. INTENSITY II - CATEEL DAVAO ORIENTAL.
NEIC Event type fe. Felt [III PIVS] at Cotabato.
ISCJB Event type fe.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s54,c68; s77,c133; Moment tensor: Scale 10^{16}Nm; M_{rr}5.76±.24 $M_{\theta\theta}$0.31±.14; $M_{\phi\phi}$-6.07±.17; $M_{r\theta}$0.44±.35; $M_{\theta\phi}$0.19±.10; $M_{\phi r}$3.82±.37; Best double couple: NP1:ϕ_s173.00000°,δ29.00000°,λ82.00000°. NP2:ϕ_s3.00000°,δ62.00000°,λ95.00000°. Principal axes: T 6.9200,Plg73.0000° ,Azm284.0000°; N 0.2800,Plg4.0000°,Azm181.0000°; P -7.2000,Plg16.0000°,Azm90.0000° M_o7.10000×10^{16}

(71) Near coast of Guatemala

ISC	**V**	**22 00 24 20.5–.27**	**13.87N–.03**	**90.91W–.03**	**67–1**	**5.1b**	**840**	**1-154**
SZGRF	V	22 00 24 18.1	14.20N	90.16W	33	4.9b		**¶12853083**
ISCJB	V	22 00 24 19.0–.18	13.82N–.03	90.79W–.02	68	5.0b		
MOS	V	22 00 24 19.2–1.1	14.00N	90.60W	64	5.2b,4.6s		
IDC	V	22 00 24 20.7–.43	14.04N	90.56W	64–3	4.6,4.6		
CASC	V	22 00 24 20.8–1.8	13.66N	91.03W	27–8	5.3L,5.2b		
GCMT	V	22 00 24 21.6–.10	13.82N	91.15W	60–1	5.4W,5.2b		
NEIC	V	22 00 24 21.1–.20	13.88N	90.74W	69	5.5W,5.4		
BJI	V	22 00 24 21.0	13.90N	90.70W	72	5.4s,5.1b		
MEX	V	22 00 24 21.7–.27	13.52N	91.32W	17–18	5.1,5.1b		

ISC Event type fe.
SZGRF Guatemala.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.5km az=34.0.
MOS Error ellipse: s-maj=8.3km s-min=4.6km az=111.4.
IDC Error ellipse: s-maj=15.8km s-min=9.4km az=61.0.
CASC Error ellipse: s-maj=5.9km s-min=6.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 94, comp=180, per= 50. Moment Tensor Solution. s91,c162; s17,c17; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.69±.02 $M_{\theta\theta}$0.80±.02; $M_{\phi\phi}$-0.10±.02; $M_{r\theta}$0.50±.02; $M_{\theta\phi}$-0.62±.02; $M_{\phi r}$-1.04±.02; Best double couple: NP1:ϕ_s85.00000°,δ31.00000°,λ-148.00000°. NP2:ϕ_s327.00000°,δ74.00000°,λ-63.00000°. Principal axes: T 1.5400,Plg25.0000°,Azm36.0000°; N -0.0600,Plg26.0000°,Azm139.0000° ; P -1.4800,Plg53.0000°,Azm269.0000° M_o1.50000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.3km az=34.0. Felt [IV] at Antigua Guatemala and Panajachel; [III] at Guatemala and Mixco. Also felt at Amatitlan, Ciudad Vieja, Escuintla, Palin, Petapa, Quetzaltenango, Salama, San Bartolome Milpas Altas, San Jose Pinula, Santa Catarina Pinula, Tactic, Taxisco, Tecpan Guatemala and Villa Nueva. Felt [III] at San Salvador, El Salvador. Also felt at Opico. Felt at Tapachula, Mexico. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s195.00000°,δ19.00000°,λ-44.00000°. NP2: ϕ_s328.00000°,δ77.00000°,λ-104.00000°. Principal axes: T 1.3100,Plg30.0000°,Azm68.0000° ; N -0.1000,Plg13.0000°,Azm330.0000°; P -1.2200,Plg56.0000°,Azm219.0000° M_o1.30000×10^{17}
MEX Error ellipse: s-maj=5.5km s-min=6.2km az=-1.0.

(523) Central Mexico

ISC	**V**	**22 19 24 17.4–.21**	**18.16N–.02**	**98.40W–.02**	**60–1**	**5.8b**	**1663**	**0-155**
CASC	V	22 19 24 07.8–.48	19.19N	98.66W	20–999	5.8b		**¶12854197**
SZGRF	V	22 19 24 10.5	16.73N	99.24W	55	5.9b,4.7s		
BGS	V	22 19 24 14.7–1.4	18.72N	98.97W	33	5.8b,4.7s		
ISCJB	V	22 19 24 16.3–.20	18.20N–.02	98.41W–.01	61–1	5.8b,4.7s		
IGIL	V	22 19 24 17.6	18.35N	98.27W	56	5.7b,4.7s		
MOS	V	22 19 24 17.9–.85	18.36N	98.21W	74	6.2b,5.0s		
IDC	V	22 19 24 17.9–.36	18.30N	98.23W	56–2	5.4,5.4		
MEX	V	22 19 24 18.5–.73	18.11N	98.46W	62–6	5.7,5.4		
NEIC	V	22 19 24 18.5	18.11N	98.46W	62	5.8b,5.7		
BJI	V	22 19 24 20.4	18.60N	98.07W	84	5.7b,5.5s		
GCMT	V	22 19 24 22.7–.10	18.22N	98.26W	59–0	5.6W,5.5s		

ISC Event type fe.
CASC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Near coast of Guerrero, Mexico.
BGS Error ellipse: s-maj=248.4km s-min=374.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=30.3.
MOS Error ellipse: s-maj=8.7km s-min=4.4km az=107.5.
IDC Error ellipse: s-maj=10.1km s-min=6.1km az=65.0.
MEX Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0.
NEIC Event type fe. Felt [V] at Metepec; [IV] at Atizapan, Cholula, Cuernavaca, Huixquilucan, Ixtapaluca, Mexico, Puebla, Texcoco, Tlalnepantla and Tultitlan; [III] at Jalapa, Jiutepec, Naucalpan, Tepoztlan and Toluca. Felt in much of central Mexico from Leon and Acapulco to Oaxaca and Veracruz. Depth from synthetics of broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After MEX. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s295.00000°,δ40.00000°,λ-70.00000°. NP2:ϕ_s90.00000°,δ53.00000°,λ-106.00000°. Principal axes: T Plg7.0000°,Azm191.0000°; N Plg0.0000°,Azm0.0000°; P Plg76.0000° ,Azm308.0000° Moment Tensor Solution. s47 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.33 $M_{\theta\theta}$1.94 $M_{\phi\phi}$0.39 $M_{r\theta}$-1.08 $M_{\theta\phi}$-0.33 $M_{\phi r}$-0.66 Best double couple: NP1:ϕ_s294.00000° ,δ35.00000°,λ-65.00000°. NP2:ϕ_s84.00000°,δ59.00000°,λ-106.00000°. Principal axes: T 2.2200,Plg12.0000°,Azm185.0000°; N 0.5400,Plg13.0000°,Azm92.0000° ; P -2.7500,Plg71.0000°,Azm316.0000° M_o2.50000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 91, comp=177, per= 50. Moment Tensor Solution. s103,c204; s45,c48; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.93±.05 $M_{\theta\theta}$3.51±.04; $M_{\phi\phi}$-0.57±.04; $M_{r\theta}$-1.48±.04; $M_{\theta\phi}$0.34±.04; $M_{\phi r}$-0.96±.04; Best double couple: NP1:ϕ_s282.00000°,δ34.00000°,λ-63.00000°. NP2:ϕ_s70.00000°,δ60.00000°,λ-107.00000°. Principal axes: T 3.9000,Plg13.0000°,Azm173.0000°; N -0.3800,Plg15.0000°,Azm79.0000° ; P -3.5100,Plg70.0000°,Azm303.0000° M_o3.70000×10^{17}

(226) Near west coast of eastern Honshu

ISC	**V**	**22 20 15 50.4–1.4**	**37.15N–.04**	**136.53E–.07**	**18–9**		**14**	**0-1**
JMA	V	22 20 15 50.8	37.14N	136.54E	11–1	3.9		**¶12861522**
ISCJB	V	22 20 15 51.0–1.1	37.15N–.04	136.54E–.08	17–11	3.9		

ISC Event type ke.
JMA Event type fe.
ISCJB Event type fe.

(73) El Salvador

ISC	**V**	**22 21 47 54.5–1.5**	**13.08N–.06**	**89.29W–.04**	**17–10**		**34**	**1-17**
ISCJB	V	22 21 47 54.4–1.1	13.01N–.06	89.29W–.04	25–8			**¶14647272**
CASC	V	22 21 47 54.7–2.0	13.05N	89.31W	13–9	4.3L,3.7		
NEIC	V	22 21 47 56.0	13.20N	89.27W	54	4.3,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.9km az=31.1.
CASC Error ellipse: s-maj=6.1km s-min=4.4km az=-1.0.
NEIC Event type fe. Felt [II] at Santa Tecla. After SNET.

(216) Mariana Islands

ISC	**V**	**23 00 40 06.6–.37**	**14.04N–.04**	**145.29E–.05**	**123–2**	**5.0b**	**356**	**1-152**
BJI	V	23 00 40 00.3	13.66N	145.77E	119	5.0b,4.8b		**¶12854203**
DJA	V	23 00 40 04.0–.90	14N–6.0	146E–14	114–6	5.3,5.3b		
ISCJB	V	23 00 40 05.6–.51	14.06N–.04	145.18E–.03	119–4	4.9b,5.3b		
MOS	V	23 00 40 05.1–1.2	14.08N	145.07E	119	5.1b,5.3b		
IDC	V	23 00 40 06.1–.42	14.00N	145.27E	120–3	4.6,4.5		
NEIC	V	23 00 40 07.0–.16	14.03N	145.16E	122	5.1b,4.5		
GCMT	V	23 00 40 12.1–.20	13.79N	145.38E	125–3	5.1W,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=12.6.
MOS Error ellipse: s-maj=10.6km s-min=6.0km az=92.5.
IDC Error ellipse: s-maj=14.5km s-min=7.5km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.6km az=111.0. Felt on Saipan and Tinian. Felt [II] at Tamuning and Yigo, Guam. Also felt at Agat, Anderson AFB, Dededo, Hagatna, Hagatna Heights, Latte Heights Estates and Mangilao.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s28,c32; s71,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}1.57±.17 $M_{\theta\theta}$-0.24±.22; $M_{\phi\phi}$-1.32±.22; $M_{r\theta}$4.75±.13; $M_{\theta\phi}$-1.41±.19; $M_{\phi r}$-1.19±.13; Best double couple: NP1:ϕ_s203.00000°,δ16.00000°,λ19.00000°. NP2:ϕ_s95.00000°,δ85.00000°,λ106.00000°. Principal axes: T 5.9500,Plg48.0000° ,Azm21.0000°; N -1.7300,Plg16.0000°,Azm273.0000°; P -4.2100,Plg38.0000° ,Azm171.0000° M_o5.10000×10^{16}

(159) North Island

ISC	**V**	**23 05 31 00.6–.93**	**40.51S–.02**	**175.41E–.02**	**34–2**		**101**	**0-152**
ISCJB	V	23 05 31 01.4–.33	40.57S–.02	175.47E–.04	46–5	3.6b		**¶13679452**
WEL	V	23 05 31 01.9–.06	40.56S	175.46E	35–0	3.9L		
NEIC	V	23 05 31 01.9	40.56S	175.46E	35	3.9L		
IDC	V	23 05 31 04.7–2.2	40.18S	175.49E	76–19	3.6,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.4km az=26.3.
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0. Felt between Wanganui, Wellington and Manawatu, maximum reported intensity MM. 5.
NEIC Event type fe. Felt in the Wanganui-Wellington area. After WEL.
IDC Error ellipse: s-maj=38.9km s-min=16.4km az=135.0.

(92) Leeward Islands

ISC	**V**	**23 08 29 15.2–.86**	**18.39N–.08**	**63.69W–.04**	**74–9**	**3.9b**	**132**	**1-71**
ISCJB	V	23 08 29 14.5–.45	18.34N–.07	63.72W–.03	85–6	3.8b		**¶12854223**
TRN	V	23 08 29 14.5	18.30N	63.74W	69	3.6		
IDC	V	23 08 29 15.2–2.2	18.40N	63.59W	74–26	3.8,3.6		
RSPR	V	23 08 29 16.6	18.29N	63.74W	75–2	3.8,3.6		
NEIC	V	23 08 29 16.6	18.29N	63.74W	75	3.8,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=2.7km az=19.5.
IDC Error ellipse: s-maj=28.2km s-min=14.2km az=33.0.
RSPR Event type ke.
NEIC Event type fe. Felt on Saint Martin. After RSPR.

(115) Near coast of Peru

ISC	**V**	**23 10 24 09.5–.53**	**12.51S–.08**	**76.7W–.10**	**65**	**3.8b**	**46**	**1-151**
NEIC	V	23 10 24 07.0	12.51S	76.68W	58	4.2		**¶12861524**
ISCJB	V	23 10 24 08.3–.65	12.57S–.07	76.7W–.10	65	3.6b		
IDC	V	23 10 24 08.6–.82	12.45S	76.67W	49–6	3.7,3.5		
BJI	V	23 10 24 09.0	12.50S	76.70W	58	5.2b,4.6s		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Chilca and Lima. Also felt at Chosica. After ARE.
ISCJB Event type fe. Error ellipse: s-maj=18.9km s-min=7.0km az=155.3.
IDC Error ellipse: s-maj=45.5km s-min=12.9km az=71.0.

(706) Northern Sumatera

ISC	**V**	**23 10 54 18.6–.48**	**0.01N–.03**	**100.15E–.05**	**10**	**4.3b,3.5s**	**62**	**1-146**
ISCJB	V	23 10 54 16.2–.36	0.03S–.04	99.99E–.04	10	4.3b,3.5s		**¶13679462**
IDC	V	23 10 54 16.0–.67	0.04N	100.29E	0	4.2,4.0		
DJA	V	23 10 54 20.5–.40	0S–3.0	100E–3.0	10	5.0,5.0		
NEIC	V	23 10 54 23.1–1.3	0.04N	100.44E	52–11	4.2b,5.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.6km az=135.6.
IDC Error ellipse: s-maj=30.9km s-min=14.0km az=54.0.
NEIC Event type fe. Error ellipse: s-maj=17.2km s-min=6.6km az=61.0. Felt [IV] at Lubuksikaping; [III] in Agam and at Bukittinggi and Padangpanjang; [II] at Payakumbuh.

(1) Central Alaska

ISC	**V**	**23 13 30 57.5–.83**	**64.82N–.03**	**148.01W–.03**	**10–6**	**3.6b**	**60**	**0-55**
ISCJB	V	23 13 30 56.8–.37	64.82N–.03	148.02W–.07	17–3	3.6s,3.5b		**¶13679472**
IDC	V	23 13 30 57.0–1.6	64.96N	147.95W	0	3.8,3.5		
NEIC	V	23 13 30 57.2	64.79N	148.02W	10	3.8L,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=4.0km az=31.8.
IDC Error ellipse: s-maj=34.4km s-min=11.4km az=32.0.
NEIC Event type fe. Felt [III] at Ester and Fairbanks; [II] at Fort Wainwright and North Pole. Also felt at Eielson AFB and Nenana. After AEIC.

(377) Spain

ISC	**V**	**23 15 45 28.9–1.2**	**37.90N–.04**	**0.50W–.04**	**26–12**		**99**	**1-7**
SFS	V	23 15 45 28.0	37.85N	0.49W	14	2.7L		**¶12867598**
INMG	V	23 15 45 28.5–1.2	37.84N	0.44W	15–3	2.3L		
LDG	V	23 15 45 28.9–.21	37.92N	0.55W	2	2.8L		
CSEM	V	23 15 45 28.6–.34	37.99N	0.64W	8	2.9L		
MDD	V	23 15 45 29.1–.61	37.87N	0.49W	12–0	2.6		
ISCJB	V	23 15 45 29.8–.63	38.02N–.05	0.63W–.05	31–7	2.6		

ISC Event type ke.
SFS Event type ke.
INMG Event type ke.
LDG Event type ke.
CSEM Event type ke.
MDD Event type fe. EMS: III INTENSIDAD MAXIMA. PRXIMO.
ISCJB Event type fe.

(460) Wyoming

ISC	**V**	**23 16 42 12.9–.67**	**43.47N–.02**	**105.37W–.02**	**0**		**95**	**0-20**
ISCJB	V	23 16 42 12.6–.23	43.47N–.02	105.38W–.03	0			**¶14598234**
NEIC	V	23 16 42 13.1–.38	43.56N	105.33W	0	3.0L		
IDC	V	23 16 42 41.9–2.5	46.25N	104.83W	0	3.5,3.2		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.7km s-min=2.2km az=171.1.
NEIC Event type fm. Error ellipse: s-maj=5.5km s-min=5.0km az=179.0. 80 km [50 miles] ENE of Midwest. Suspected Mining explosion.
IDC Error ellipse: s-maj=52.0km s-min=18.3km az=106.0.

(460) Wyoming

ISC	**V**	**23 20 04 08.9–.64**	**43.75N–.02**	**105.26W–.02**	**0**		**131**	**0-79**
NEIC	V	23 20 04 09.0–.44	43.82N	105.16W	0	3.3L		**¶13679487**
IDC	V	23 20 04 08.6–1.9	43.80N	105.46W	0	3.7b,3.7		
ISCJB	V	23 20 04 09.3–.22	43.75N–.02	105.30W–.03	0	3.8b,3.7s		

ISC Event type sm.

NEIC Event type fm. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
ISCJB Event type fm.

(40) California-Nevada border region

ISC	**V**	**23 22 58 35.1–.46**	**36.31N–.02**	**117.86W–.02**	**8–3**	**4.1b,3.9s**	**165**	**1-116**
NEIC	V	23 22 58 32.9	36.40N	117.84W	1	4.6W,4.3b		**¶12861527**
BJI	V	23 22 58 32.0	36.40N	117.80W	10	5.1b,4.8s		
IDC	V	23 22 58 34.4–.62	36.33N	117.61W	0	4.1,3.9		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Lone Pine and Trona. Also felt at Bakersfield, North Fork, Ridgecrest, Shaver Lake and Visalia. After PAS. Moment Tensor Solution. $M_0$9.30000×10^{15}
IDC Error ellipse: s-maj=12.8km s-min=7.9km az=79.0.

(72) Honduras

ISC	**V**	**24 00 23 23.0–.45**	**13.20N–.05**	**87.61W–.04**	**188–3**	**4.5b**	**218**	**0-150**
CASC	V	24 00 23 15.4–1.7	12.57N	87.59W	208–16	4.7b,4.3L		**¶12861531**
ISCJB	V	24 00 23 21.3–.31	13.14N–.04	87.64W–.04	185–2	4.4b,4.3L		
IDC	V	24 00 23 23.2–.61	13.30N	87.41W	192–4	3.9,3.9		
NEIC	V	24 00 23 24.2–.34	13.26N	87.64W	188	4.7b,3.9		
BJI	V	24 00 23 24.5	13.30N	87.70W	189	4.9b,3.9		

ISC Event type fe.
CASC Error ellipse: s-maj=24.4km s-min=10.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.1km az=32.8.
IDC Error ellipse: s-maj=14.8km s-min=8.1km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=4.7km az=224.0. Felt [III] at Tegucigalpa. Also felt at Rancho Grande and San Agustin. Felt at Puerto Morazan, Nicaragua.

(656) Southeastern Siberia

ISC	**V**	**24 00 30 45.3–.79**	**54.47N–.05**	**129.20E–.04**	**10**		**26**	**0-8**
SKHL	V	24 00 30 46.2–1.7	54.51N	129.20E	10–3	4.7b		**¶14270050**
MOS	V	24 00 30 46.3–1.3	54.58N	129.22E	16	4.4b		

ISC Event type ke.
SKHL Event type fe. Felt (II) at Zeya.
MOS Event type fe. Error ellipse: s-maj=31.6km s-min=15.6km az=104.1. Felt (II) at Zeya. Moment Tensor Solution.

(249) Luzon

ISC	**V**	**24 01 06 27.5–.58**	**15.05N–.03**	**119.77E–.05**	**40–5**	**5.2b,4.9s**	**309**	**1-173**
DJA	V	24 01 06 10.5–.30	13N–4.0	122E–3.0	10	5.7b,5.3b		**¶13439769**
IDC	V	24 01 06 20.6–.35	14.88N	119.82E	0	5.0,5.0		
MAN	V	24 01 06 24	15.13N	119.77E	1	5.7b,5.2s		
MOS	V	24 01 06 25.8–1.3	14.90N	119.79E	48	5.2b,5.0s		
BJI	V	24 01 06 26.5	14.94N	119.62E	43	5.1s,5.1b		
ISCJB	V	24 01 06 27.9–.40	14.93N–.02	119.82E–.03	64–3	5.1b,5.1b		
GCMT	V	24 01 06 27.8–.20	15.13N	119.63E	22–0	5.4W,5.1b		
NEIC	V	24 01 06 28.6–.57	14.85N	119.80E	58–5	5.2b,5.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.3km s-min=9.6km az=77.0.
MAN Event type fe. INTENSITY III - IBA ZAMBALES; SUBIC OLONGAPO; INTENSITY II - QUEZON CITY; ORTIGAS.
MOS Error ellipse: s-maj=10.1km s-min=5.6km az=111.4.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.2km az=170.1.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c92; s85,c130; Moment tensor: Scale 10^{17}Nm; M_{rr}1.04±.05 $M_{\theta\theta}$0.13±.03; $M_{\phi\phi}$-1.17±.03; $M_{r\theta}$-0.53±.06; $M_{\theta\phi}$-0.15±.02; $M_{\phi r}$-0.66±.05; Best double couple: NP1:ϕ_s347.00000°,δ32.00000°,λ56.00000°. NP2:ϕ_s205.00000°,δ64.00000°,λ109.00000°. Principal axes: T 1.4000,Plg66.0000° ,Azm149.0000°; N 0.0100,Plg17.0000°,Azm17.0000°; P -1.4100,Plg17.0000°,Azm282.0000° $M_0$1.40000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.9km az=84.0. Felt [III PIVS] at Iba, Olongapo and Subic; [II PIVS] at Makati, Pasig and Quezon City. Felt [III] at Manila. Also felt at Angeles and Batangas.

(92) Leeward Islands

TRN	**V**	**24 02 11 59.3**	**15.83N**	**61.53W**	**17**	**3.5,3.1**		
								¶14772107

TRN Event type fe. Felt II Guadeloupe.

(662) Sakhalin Island

ISC	**V**	**24 04 45 59.7–.36**	**53.08N–.03**	**142.84E–.03**	**11**	**4.3b,3.5s**	**119**	**0-149**
ISCJB	V	24 04 45 57.7–.25	53.06N–.02	142.74E–.04	11	4.1b,3.5s		**¶13679523**
MOS	V	24 04 45 57.2–1.2	53.10N	142.96E	7	4.4b,3.5s		
SKHL	V	24 04 45 58.1–.20	53.04N	142.62E	10	4.6s,4.5b		
IDC	V	24 04 45 58.0–.60	53.11N	142.88E	0	4.1,4.0		
NEIC	V	24 04 46 01.2–1.9	53.04N	142.90E	22–14	4.5b,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.2km az=38.9.
MOS Event type fe. Error ellipse: s-maj=11.1km s-min=7.4km az=89.4. Felt (IV-V) at Sabo; (II-III) at Okha. Moment Tensor Solution.
SKHL Event type fe. Felt (IV-V) at Sabo, (II-III) at Okha.
IDC Error ellipse: s-maj=18.9km s-min=12.9km az=171.0.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.6km az=167.0. Felt [V] at Sabo and [III] at Okha.

(2) Southern Alaska

ISC	**V**	**24 09 40 03.8–.27**	**59.83N–.03**	**153.29W–.03**	**129–2**	**4.7b**	**499**	**0-162**
BJI	V	24 09 40 01.4	60.15N	153.53W	117	5.1b,5.0b		**¶12861556**
MOS	V	24 09 40 02.5–1.1	59.94N	153.38W	130	4.7b,5.0b		
ISCJB	V	24 09 40 02.5–.14	59.86N–.02	153.36W–.03	131–1	4.6b,5.0b		
IDC	V	24 09 40 02.4–.56	59.78N	153.43W	117–5	4.4,4.4		
NEIC	V	24 09 40 04.5	59.77N	153.25W	126	4.7b,4.4		

ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=5.1km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.4km az=149.3.
IDC Error ellipse: s-maj=8.3km s-min=7.0km az=58.0.
NEIC Event type fe. Felt [II] at Eagle River, Kenai and Soldotna. Also felt at Anchorage, Homer, Kasilof and Sterling. After AEIC.

(383) Northwestern Balkan Peninsula

ISC	**V**	**24 14 29 15.9–.68**	**41.29N–.01**	**22.70E–.01**	**9–4**	**4.1b,3.1s**	**777**	**0-94**
PRU	V	24 14 29 12.9	41.09N	23.16E	0	4.2,3.1s		**¶14695479**
IDC	V	24 14 29 14.7–.71	41.26N	22.65E	0	4.0,4.0		
BEO	V	24 14 29 15.3–.71	41.25N	22.72E	7–2	4.1L,4.0		
ATH	V	24 14 29 15.2	41.29N	22.73E	19–1	3.8L,4.0		
SKO	V	24 14 29 15.1	41.30N	22.70E	15	3.7L,3.2		
PDG	V	24 14 29 16.0–.54	41.30N	22.69E	10–0	3.7L,3.2		
ISCJB	V	24 14 29 15.0–.27	41.319N–.01	22.66E–.01	10–2	4.0b,3.2s		
CSEM	V	24 14 29 15.9–.07	41.28N	22.68E	5	4.2b,2.7s		
SOF	V	24 14 29 15.2	41.35N	22.71E	8	3.7,2.7s		
NEIC	V	24 14 29 16.2	41.27N	22.72E	2	4.2b,4.2L		
THE	V	24 14 29 16.2	41.27N	22.72E	2–1	4.2L,4.2L		
MOS	V	24 14 29 16.9–1.2	41.31N	22.58E	23	4.4b,4.2L		

ISC Event type fe.
IDC Error ellipse: s-maj=13.7km s-min=10.7km az=152.0.
BEO Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=141.2.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=69.0.
NEIC Event type fe. Felt at Kilkis, Greece. After THE.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=210.0.

(224) Hokkaido region

ISC	**V**	**24 16 06 58.1–.87**	**42.77N–.04**	**142.26E–.04**	**29–6**	**3.6b**	**23**	**0-69**
ISCJB	V	24 16 06 57.9–.42	42.75N–.05	142.26E–.05	36–6	3.5b		**¶13679561**
JMA	V	24 16 06 58.4–.10	42.79N	142.30E	28–2	3.9		
IDC	V	24 16 06 59.9–2.1	42.74N	142.40E	46–22	3.4,3.3		
NIED	V	24 16 07 00	42.80N	142.30E	23	3.8W,3.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.7km az=167.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s105.00000°,δ85.00000°,λ-24.00000°. NP2: ϕ_s198.00000°,δ66.00000°,λ-174.00000°. Principal axes: T Plg13.0000°,Azm154.0000° ; N Plg65.0000°,Azm274.0000°; P Plg21.0000°,Azm59.0000°
IDC Error ellipse: s-maj=43.0km s-min=16.6km az=107.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ85.00000°,λ163.00000°. NP2:ϕ_s282.00000°,δ73.00000°,λ5.00000°. $M_0$5.88000×10^{14}

(383) Northwestern Balkan Peninsula

ISC	**V**	**24 16 17 51.6–.25**	**41.30N–.01**	**22.70E–.01**	**13–1**	**5.2b,4.9s**	**1879**	**0-161**
BGS	V	24 16 17 39.5–1.6	40.64N	23.72E	5	5.3b,5.0s		**¶13469839**
BJI	V	24 16 17 46.0	41.14N	22.38E	10	5.3s,5.3b		
ISCJB	V	24 16 17 49.5–.22	41.348N–.01	22.706E–.01	10–1	5.1b,5.0s		
SOF	V	24 16 17 49.8	41.32N	22.74E	5	4.3,5.0s		
BEO	V	24 16 17 49.3–.61	41.21N	22.75E	11–2	5.2L,5.0s		
MOS	V	24 16 17 49.8–1.1	41.36N	22.65E	16	5.4b,5.0s		
IDC	V	24 16 17 49.7–.38	41.33N	22.71E	0	5.0,4.9		
NEIC	V	24 16 17 50.8	41.30N	22.71E	0	5.5L,5.3W		
SKO	V	24 16 17 50.1	41.25N	22.72E	15	4.9L,4.6		
THE	V	24 16 17 50.7	41.30N	22.72E	0–3	5.0L,4.6		
PDG	V	24 16 17 50.2–.97	41.30N	22.74E	9–1	5.0,4.9L		
CSEM	V	24 16 17 50.6–.05	41.32N	22.67E	5	5.3W,5.1b		
ATH	V	24 16 17 50.5	41.28N	22.74E	23–0	5.1L,5.1b		
PRU	V	24 16 17 51.5	41.33N	22.80E	4	5.2,5.1b		
SFS	V	24 16 17 51.0	41.32N	22.64E	10	5.4L,5.1b		
SZGRF	V	24 16 17 52.8	41.30N	22.65E	10	5.4L,5.1b		
GCMT	V	24 16 17 53.6–.20	41.17N	22.79E	13	5.3W,5.1b		
DJA	V	24 16 17 58.1–3.4	41N–13	23E–18	42–25	5.7b,5.2		

ISC Event type de.
ISCJB Event type de.
BEO Event type ke.
NEIC Event type de. Dozens of houses damaged in the Valandovo area. Felt [V] at Bogdanci and Strumica, [IV] at Gevgelija and [II] at Skopje. Also felt at Bitola, Dojran, Gostivar, Kavadarci and Prilep. Felt [III] at Sofia and [II] at Plovdiv, Bulgaria. Also felt at Blagoevgrad, Bukhovo, Ikhtiman, Kyustendil, Pernik and Sandanski. Felt at Mitrovica, Kosovo and at Kilkis and Thessaloniki, Greece. After THE. Moment Tensor Solution. s43 Moment tensor: Scale 10^{17} Nm; M_{rr}-1.05 $M_{\theta\theta}$1.14 $M_{\phi\phi}$-0.08 $M_{r\theta}$0.31 $M_{\theta\phi}$0.07 $M_{\phi r}$-0.27 Best double couple: NP1: ϕ_s72.00000°,δ39.00000°,λ-113.00000°. NP2:ϕ_s281.00000°,δ54.00000°,λ-72.00000°. Principal axes: T 1.1800,Plg7.0000°,Azm358.0000°; N -0.0100,Plg14.0000°,Azm90.0000° ; P -1.1600,Plg73.0000°,Azm240.0000° $M_0$1.20000×10^{17}
THE Event type ke.
PDG Event type ke.
CSEM Event type ke.
SFS Event type ke.
SZGRF Northwestern Balkan Peninsula.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=191, per= 50. Moment Tensor Solution. s77,c113; s12,c12; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.92±.02 $M_{\theta\theta}$1.04±.02; $M_{\phi\phi}$-0.12±.02; $M_{r\theta}$0.20±.04; $M_{\theta\phi}$0.15±.01; $M_{\phi r}$-0.39±.05; Best double couple: NP1:ϕ_s62.00000°,δ45.00000°,λ-123.00000°. NP2:ϕ_s285.00000°,δ54.00000°,λ-61.00000°. Principal axes: T 1.0700,Plg5.0000°,Azm355.0000°; N 0.0400,Plg23.0000°,Azm86.0000° ; P -1.1000,Plg67.0000°,Azm254.0000° $M_0$1.10000×10^{17}

(73) El Salvador

ISC	**V**	**24 18 04 38.4–.68**	**13.17N–.06**	**89.14W–.04**	**64–5**	**3.8b**	**60**	**0-148**
ISCJB	V	24 18 04 37.6–.60	13.14N–.06	89.21W–.04	70–4	3.8b		**¶13679571**
IDC	V	24 18 04 37.3–1.5	13.17N	88.69W	70–11	3.8,3.5b		
CASC	V	24 18 04 37.3–2.7	13.02N	89.25W	13–11	4.1L,3.9		
NEIC	V	24 18 04 38.0	13.13N	89.26W	50	4.4,3.8b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=5.0km az=21.9.
IDC Error ellipse: s-maj=59.4km s-min=33.3km az=54.0.
CASC Error ellipse: s-maj=7.6km s-min=4.8km az=-1.0.
NEIC Event type fe. Felt [III] at San Salvador. After SNET.

(383) Northwestern Balkan Peninsula

ISC	**V**	**24 19 37 05.9–.29**	**41.29N–.01**	**22.69E–.01**	**12–1**	**4.8b,4.1s**	**1442**	**0-153**
TIR	V	24 19 36 55.9	41.48N	23.22E	1	4.3L,4.1s		**¶12861941**
BJI	V	24 19 36 57.9	41.02N	21.72E	10	5.0b,4.9s		
ISCJB	V	24 19 37 03.8–.26	41.331N–.01	22.71E–.01	6–1	4.7b,4.1s		
IDC	V	24 19 37 03.9–.43	41.27N	22.71E	0	4.6,4.6		
BEO	V	24 19 37 04.4–.66	41.22N	22.78E	11–2	4.7L,4.6		
MOS	V	24 19 37 04.7–1.1	41.32N	22.63E	19	5.1b,4.1s		
SKO	V	24 19 37 04.6	41.25N	22.69E	15	4.2L,3.8		
ATH	V	24 19 37 04.4	41.31N	22.75E	19–0	4.5L,4.3		
THE	V	24 19 37 05.4	41.28N	22.73E	2–1	4.8L,4.3		
CSEM	V	24 19 37 05.6–.06	41.29N	22.68E	10	4.9b,4.8W		
PDG	V	24 19 37 05.1–.55	41.28N	22.70E	13–0	4.3,4.2L		
PRU	V	24 19 37 05.9	41.28N	22.74E	0	4.9,4.2L		
NEIC	V	24 19 37 05.5	41.27N	22.73E	2	4.9b,4.8L		
GCMT	V	24 19 37 06.7–.40	41.16N	22.87E	17–1	4.8W,4.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=39.8.
IDC Error ellipse: s-maj=9.1km s-min=8.6km az=48.0.
BEO Event type ke.
MOS Error ellipse: s-maj=3.4km s-min=2.3km az=106.1.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=192.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=56.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
NEIC Event type fe. Felt [V] at Strumica and Valandovo and [IV] at Gevgelija. Also felt at Bogdanci, Bosilovo, Kriva Palanka, Skopje and Vasilevo. Felt [III] at Plovdiv and Sofia, Bulgaria. Also felt at Bansko, Dospat, Khaskovo, Kyustendil, Melnik, Samokov and Sandanski. Felt at Thessaloniki, Greece. After THE.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s15,c17; s56,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.73±.16 $M_{\theta\theta}$1.79±.10; $M_{\phi\phi}$-0.06±.09; $M_{r\theta}$0.19±.18; $M_{\theta\phi}$-0.31±.05; $M_{\phi r}$-0.90±.29; Best double couple: NP1:ϕ_s78.00000°,δ44.00000°,λ-124.00000°. NP2:ϕ_s301.00000°,δ55.00000°,λ-62.00000°. Principal axes: T 1.8800,Plg6.0000° ,Azm12.0000°; N 0.2500,Plg23.0000°,Azm104.0000°; P -2.1200,Plg66.0000°,Azm268.0000° $M_0$2.00000×10^{16}

(224) Hokkaido region

ISC	**V**	**24 19 39 29.3–.54**	**42.51N–.04**	**141.81E–.04**	**122–4**	**4.1b**	**98**	**0-79**
NIED	V	24 19 39 00	42.50N	141.80E	107	4.1W		**¶13439777**
ISCJB	V	24 19 39 28.2–.24	42.51N–.03	141.81E–.04	126–2	4.1b		
MOS	V	24 19 39 28.2–1.2	42.60N	141.72E	126	4.1b		
JMA	V	24 19 39 29.2–.10	42.56N	141.74E	123–1	4.1		
IDC	V	24 19 39 29.7–.62	42.56N	141.83E	123–5	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s272.00000°,δ81.00000°,λ-13.00000°. NP2:ϕ_s4.00000°,δ77.00000°,λ-170.00000°. $M_0$1.71000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=43.7.
MOS Error ellipse: s-maj=12.3km s-min=8.1km az=98.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s276.00000°,δ84.00000°,λ-25.00000°. NP2: ϕ_s9.00000°,δ65.00000°,λ-173.00000°. Principal axes: T Plg13.0000°,Azm325.0000° ; N Plg64.0000°,Azm83.0000°; P Plg22.0000°,Azm230.0000°
IDC Error ellipse: s-maj=15.1km s-min=7.3km az=110.0.

(460) Wyoming

ISC	**V**	**24 20 01 03.8–.57**	**43.79N–.02**	**105.36W–.02**	**0**	**3.9b**	**127**	**0-90**
ISCJB	V	24 20 01 03.8–.22	43.76N–.02	105.33W–.02	0	3.9b		**¶13679582**
NEIC	V	24 20 01 03.5–.41	43.74N	105.24W	0	3.4L		
IDC	V	24 20 01 05.3–.91	44.05N	105.71W	0	3.9b,3.8		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.5km s-min=2.4km az=38.6.
NEIC Event type fm. Error ellipse: s-maj=5.9km s-min=5.3km az=162.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.4km s-min=9.8km az=141.0.

(659) North Korea

ISC	**V**	**25 00 54 42.9–.26**	**41.30N–.03**	**129.07E–.03**	**0**	**4.7b,3.9s**	**436**	**2-165**
ISCJB	V	25 00 54 41.2–.14	41.27N–.02	129.03E–.03	0	4.8b,3.8s		**¶13439778**
BYKL	V	25 00 54 41.0	41.29N	129.07E	0	4.8b,3.8s		
MOS	V	25 00 54 41.2–1.0	41.29N	129.04E	0	4.8b,3.7s		
IDC	V	25 00 54 42.8–.32	41.31N	129.05E	0	4.6,4.6		
NEIC	V	25 00 54 43.1–.11	41.30N	129.04E	0	4.7b,4.6		
BJI	V	25 00 54 43.1	41.30N	129.00E	0	4.8L,4.8b		

ISC Event type kn.
ISCJB Event type fn. Error ellipse: s-maj=3.0km s-min=2.5km az=41.5.
MOS Error ellipse: s-maj=6.8km s-min=4.6km az=105.0. Moment Tensor Solution.
IDC Error ellipse: s-maj=9.6km s-min=8.8km az=104.0.
NEIC Event type fn. Error ellipse: s-maj=3.0km s-min=2.7km az=130.0. Underground nuclear explosion. Nuclear explosion.

(274) Southern Sumatera

ISC	**V**	**25 01 57 37.1–.47**	**1.21S–.06**	**100.19E–.08**	**86**	**4.2b**	**70**	**1-146**
ISCJB	V	25 01 57 35.8–.41	1.22S–.05	100.21E–.07	86	4.1b		**¶15155495**
IDC	V	25 01 57 35.4–.63	1.16S	100.40E	65–5	3.9,3.8		
AUST	V	25 01 57 36.6–2.8	1.25S	100.22E	85–0	3.9,3.8		

DJA V 25 01 57 36.1–1.1 1S–5.0 100E–8.0 25–12 5.6b,5.1
NEIC V 25 01 57 38.6–1.2 1.18S 100.44E 96–10 4.4b,5.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.4km az=152.0.
IDC Error ellipse: s-maj=21.4km s-min=12.2km az=56.0.
AUST Error ellipse: s-maj=3.6km s-min=1.0km az=241.0.
NEIC Event type fe. Error ellipse: s-maj=14.4km s-min=6.2km az=55.0. Felt [III] at Padang and Pariaman.

(105) Near coast of Ecuador

ISC	**V**	**25 04 12 43.6–.37**	**1.89S–.04**	**81.02W–.05**	**30**	**4.6b,3.9s**	**259**	**1-154**
IGQ	V	25 04 12 36.6	2.05S	81.27W	6–165	4.9b,4.8s		¶12861951
IDC	V	25 04 12 39.5–.48	1.83S	80.83W	0	4.4,4.4		
ISCJB	V	25 04 12 42.1–.24	2.00S–.03	81.15W–.02	30	4.6b,4.0s		
NEIC	V	25 04 12 46.5–.72	1.95S	80.87W	52–6	4.9,4.8b		
BJI	V	25 04 12 47.4	2.00S	80.80W	68	5.2s,5.1b		

ISC Event type fe.
IGQ Error ellipse: s-maj=7.9km s-min=3.8km az=5.1.
IDC Error ellipse: s-maj=22.7km s-min=10.0km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.9km az=10.7.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.2km az=52.0. Felt at Salinas.

(135) Near coast of central Chile

ISC	**V**	**25 05 10 13.1–.38**	**28.54S–.03**	**71.46W–.05**	**47–3**	**5.4b,4.6s**	**545**	**1-178**
MOS	V	25 05 10 11.1–1.0	28.32S	71.36W	33	5.5b,4.6s		¶12861955
ISCJB	V	25 05 10 11.5–.57	28.50S–.02	71.29W–.05	45–5	5.4b,4.6s		
GUC	V	25 05 10 12.5–.82	28.55S	71.46W	50–56	5.4L,4.6s		
BJI	V	25 05 10 13.5	28.50S	71.30W	45	5.3s,5.2		
IDC	V	25 05 10 13.5–.55	28.52S	71.30W	49–4	4.9,4.9b		
NEIC	V	25 05 10 13.5–.12	28.52S	71.32W	49	5.4b,4.9b		
GCMT	V	25 05 10 14.5–.20	28.69S	71.65W	56–1	5.3W,4.9b		

ISC Event type fe.
MOS Error ellipse: s-maj=15.0km s-min=5.9km az=104.3.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.7km az=178.4.
GUC Error ellipse: s-maj=1.9km s-min=8.3km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=11.0km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.0km az=74.0. Felt [II] at Copiapo, Coquimbo, Freirina, Huasco, La Serena and Vallenar. Also felt at Maquina Atacama and Ovalle.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c104; s86,c138; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s192.00000°,δ20.00000°,λ-84.00000°. NP2:ϕ_s5.00000° ,δ70.00000°,λ-92.00000°. Principal axes: T 0.9600,Plg25.0000°,Azm97.0000° ; N 0.1000,Plg2.0000°,Azm6.0000°; P -1.0600,Plg65.0000°,Azm271.0000° $M_0$1.00000×10^{17}

(230) Near south coast of eastern Honshu

ISC	**V**	**25 11 26 21.5–.73**	**34.68N–.03**	**137.85E–.03**	**30–5**	**3.9b,3.5s**	**50**	**0-94**
NIED	V	25 11 26 00	34.70N	137.80E	29	4.4W,3.5s		¶12862818
ISCJB	V	25 11 26 20.8–.29	34.67N–.03	137.83E–.04	37–3	3.8b,3.5s		
JMA	V	25 11 26 22.1–.10	34.72N	137.80E	26–1	4.7,3.5s		
IDC	V	25 11 26 22.2–2.3	34.64N	137.86E	36–20	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ85.00000°,λ168.00000°. NP2:ϕ_s50.00000°,δ78.00000°,λ6.00000°. $M_0$4.90000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.7km az=23.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s49.00000°,δ84.00000°,λ16.00000°. NP2: ϕ_s317.00000°,δ74.00000°,λ174.00000°. Principal axes: T Plg15.0000°,Azm274.0000° ; N Plg73.0000°,Azm68.0000°; P Plg7.0000°,Azm182.0000°
IDC Error ellipse: s-maj=14.5km s-min=13.3km az=68.0.

(19) Southeastern Alaska

ISC	**V**	**25 19 55 37.0–.76**	**58.85N–.03**	**134.69W–.04**	**10**		**35**	**0-7**
ISCJB	V	25 19 55 37.0–.39	58.91N–.03	134.57W–.06	10			¶12871329
NEIC	V	25 19 55 38.1	58.89N	134.80W	6	3.9L,3.6L		
PGC	V	25 19 55 38.9–.02	58.90N	134.74W	1	3.9L,3.6L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.2km az=152.0.
NEIC Event type fe. Felt [III] at Skagway and [II] at Juneau. Also felt at Haines. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 36km Ese of Haines, Ak Southeastern Alaska.

(219) Off east coast of Kamchatka Peninsula

ISC	**V**	**25 19 59 25.3–.46**	**52.73N–.04**	**160.18E–.03**	**41–3**	**4.8b,3.9s**	**568**	**0-112**
MOS	V	25 19 59 23.5–1.2	52.75N	159.89E	33	5.1b,3.9s		¶13469844
KRSC	V	25 19 59 24.8–.60	52.73N	160.23E	26–25	5.1L,3.9s		
IDC	V	25 19 59 25.5–.71	52.94N	159.85E	32–4	4.4,4.4		
ISCJB	V	25 19 59 25.8–.40	52.73N–.02	160.13E–.04	57–2	4.7b,3.9s		
SZGRF	V	25 19 59 26.4	52.73N	159.89E	33	5.0b,3.9s		
BJI	V	25 19 59 26.1	52.90N	159.90E	62	4.6b,4.5b		
NEIC	V	25 19 59 26.7–.84	52.86N	159.95E	44–7	4.9b,4.5b		

ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=8.1km s-min=3.8km az=95.8. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
IDC Error ellipse: s-maj=12.2km s-min=8.4km az=166.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.5km az=41.8.
SZGRF Off east coast of Kamchatka Peninsula, Russia.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.8km az=165.0. Felt [II] at Petropavlovsk-Kamchatskiy.

(228) Near east coast of eastern Honshu

JMA	**V**	**26 00 34 34.4–.20**	**35.20N**	**140.19E**	**23–2**	**2.7**		
								¶15429226

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(224) Hokkaido region

ISC	**V**	**26 05 24 36.3–.77**	**42.13N–.04**	**142.17E–.03**	**49–8**	**3.6b**	**36**	**0-87**
NIED	V	26 05 24 00	42.10N	142.20E	32	3.7W		¶13679665
ISCJB	V	26 05 24 35.4–.40	42.10N–.04	142.17E–.04	57–5	3.6b,3.5s		
JMA	V	26 05 24 35.4–.10	42.08N	142.21E	54–2	3.5,3.5s		
IDC	V	26 05 24 35.9–2.7	42.04N	142.76E	40–26	3.8L,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ78.00000°,λ58.00000°. NP2:ϕ_s164.00000°,δ34.00000°,λ157.00000°. $M_0$4.50000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.0km az=152.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=32.2km s-min=12.1km az=107.0.

(115) Near coast of Peru

ISC	**V**	**26 06 38 39.6–.31**	**14.55S–.05**	**76.19W–.07**	**29**	**5.1b,4.9s**	**310**	**3-174**
BJI	V	26 06 38 35.9	15.30S	75.57W	10	5.4s,5.3b		¶12862827
IDC	V	26 06 38 36.2–.42	14.43S	76.09W	0	4.7,4.7		
NEIC	V	26 06 38 39.0–1.4	14.42S	75.98W	15–9	5.2b,5.0L		
ISCJB	V	26 06 38 39.2–.20	14.45S–.04	76.09W–.04	29	5.1b,4.9s		
MOS	V	26 06 38 40.4–.93	14.36S	76.10W	33	5.4b,4.9s		
GCMT	V	26 06 38 43.5–.20	14.48S	76.32W	15	5.4W,4.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=20.1km s-min=10.1km az=65.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=2.8km az=54.0. Felt [III] at Ica and Palpa and [II] at Chincha Alta. Also felt at Nazca.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.7km az=143.0.
MOS Error ellipse: s-maj=9.9km s-min=6.3km az=103.2.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s70,c110; s80,c148; Moment tensor: Scale 10^{17}Nm; M_{rr}0.65±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.68±.01; $M_{r\theta}$0.08±.04; $M_{\theta\phi}$0.32±.01; $M_{\phi r}$-1.42±.04; Best double couple: NP1:ϕ_s319.00000°,δ16.00000°,λ55.00000°. NP2:ϕ_s175.00000°,δ77.00000°,λ99.00000°. Principal axes: T 1.5600,Plg57.0000° ,Azm97.0000°; N 0.0900,Plg9.0000°,Azm353.0000°; P -1.6400,Plg32.0000°,Azm258.0000° $M_0$1.60000×10^{17}

(212) Bonin Islands region

ISC	**V**	**26 10 11 59.0–.29**	**27.63N–.03**	**140.24E–.04**	**468–2**	**4.5b**	**501**	**2-152**
NIED	V	26 10 11 00	27.80N	140.50E	440	4.7W		¶13439787
DJA	V	26 10 11 52.6–2.7	28N–8.0	140E–14	416–32	5.2b,4.8b		
MOS	V	26 10 11 57.3–.85	27.62N	140.20E	461	4.5b,4.8b		
BJI	V	26 10 11 58.9	27.54N	140.11E	481	4.8b,4.7b		
NEIC	V	26 10 11 58.2–.18	27.59N	140.15E	452	4.7W,4.5b		
IDC	V	26 10 11 58.6–.41	27.60N	140.11E	461–4	4.1,4.1		
ISCJB	V	26 10 11 58.0–.24	27.57N–.02	140.28E–.03	472–2	4.5b,4.1		
JMA	V	26 10 11 59.7–.20	27.80N	140.47E	460–3	5.0,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s270.00000°,δ75.00000°,λ-53.00000°. NP2:ϕ_s19.00000°,δ39.00000°,λ-156.00000°. $M_0$1.24000×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=5.1km az=109.9.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=83.0. Recorded [1 JMA] in the Haha-jima-retto. Moment Tensor Solution. $M_0$1.20000×10^{16}
IDC Error ellipse: s-maj=8.7km s-min=5.4km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=3.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.

(224) Hokkaido region

ISC	**V**	**26 10 31 20.5–.31**	**42.01N–.03**	**142.30E–.03**	**61–2**	**4.9b**	**679**	**0-152**
NIED	V	26 10 31 00	42.00N	142.30E	53	4.9W		¶12862909
DJA	V	26 10 31 04.6–2.2	42N–12	144E–35	10	5.5b,5.0b		
BJI	V	26 10 31 19.1	41.86N	142.28E	72	4.9b,4.8b		
MOS	V	26 10 31 19.0–.83	42.07N	142.22E	56	5.3b,4.8b		
ISCJB	V	26 10 31 20.0–.23	41.98N–.02	142.28E–.02	68–1	4.7b,4.8b		
JMA	V	26 10 31 19.7–.20	41.93N	142.35E	70–3	4.7,4.8b		
SZGRF	V	26 10 31 20.3	43.17N	143.17E	33	5.1b,4.4s		
IDC	V	26 10 31 21.7–.53	41.98N	142.31E	71–4	4.6,4.6		
GCMT	V	26 10 31 21.5–.20	42.00N	142.47E	66–2	4.9W,4.6		
NEIC	V	26 10 31 21.4–.42	42.02N	142.21E	66–4	4.9b,4.8W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ65.00000°,λ76.00000°. NP2:ϕ_s233.00000°,δ29.00000°,λ117.00000°. $M_0$2.29000×10^{16}
MOS Error ellipse: s-maj=6.8km s-min=4.0km az=114.3.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.4km az=148.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s27.00000°,δ83.00000°,λ83.00000°. NP2: ϕ_s254.00000°,δ10.00000°,λ136.00000°. Principal axes: T Plg51.0000°,Azm289.0000° ; N Plg7.0000°,Azm28.0000°; P Plg38.0000°,Azm123.0000°
SZGRF Hokkaido, Japan, region.
IDC Error ellipse: s-maj=10.2km s-min=6.7km az=105.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c41; s69,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}2.04±.11 $M_{\theta\theta}$-0.28±.12; $M_{\phi\phi}$-1.76±.11; $M_{r\theta}$0.42±.07; $M_{\theta\phi}$-0.97±.09; $M_{\phi r}$1.43±.07; Best double couple: NP1:ϕ_s213.00000°,δ28.00000°,λ102.00000°. NP2:ϕ_s20.00000°,δ62.00000°,λ84.00000°. Principal axes: T 2.5200,Plg72.0000° ,Azm276.0000°; N 0.1800,Plg5.0000°,Azm23.0000°; P -2.7000,Plg17.0000°,Azm115.0000° $M_0$2.60000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=159.0. Felt at Ebetsu and Sapporo. Felt [II] at Misawa, Honshu. Recorded [3 JMA] in south-central and southwestern Hokkaido. Also recorded [2 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$2.30000×10^{16}

(266) Northern Molucca Sea

ISC	**V**	**26 12 08 33.2–.79**	**1.13N–.04**	**127.20E–.07**	**10**	**3.9b**	**19**	**0-81**
ISCJB	V	26 12 08 32.1–.55	1.11N–.04	127.19E–.06	10	3.8b,3.6s		¶13679679
IDC	V	26 12 08 32.9–1.7	0.82N	126.89E	0	4.0,3.8		
DJA	V	26 12 08 33.0–.50	1N–2.0	127E–4.0	10	3.6,3.6		
NEIC	V	26 12 08 37.9–.76	0.86N	126.96E	35	3.7b,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.9km az=173.4.
IDC Error ellipse: s-maj=162.2km s-min=21.2km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=17.3km s-min=10.7km az=225.0. Felt [II] at Jailolo, Indonesia.

(163) Cook Strait

WEL	**V**	**26 17 29 55.1–.06**	**41.08S**	**174.58E**	**39–1**	**3.5L**		
								¶14302494

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.8km az=0.0. Felt in the Wellington region, maximum reported intensity MM 3.

(224) Hokkaido region

ISC	**V**	**26 18 47 56.1–.79**	**41.95N–.04**	**142.31E–.04**	**67–7**	**3.8b**	**47**	**0-70**
ISCJB	V	26 18 47 55.0–.37	41.95N–.03	142.32E–.04	75–3	3.7b		¶13679692
JMA	V	26 18 47 55.3–.20	41.94N	142.32E	71–2	3.5		
MOS	V	26 18 47 55.6–1.0	41.95N	142.39E	85	4.0b		
IDC	V	26 18 47 56.2–1.7	41.99N	142.39E	71–14	3.5,3.4		
NIED	V	26 18 48 00	41.90N	142.30E	65	3.8W,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.1km az=142.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=20.2km s-min=12.4km az=78.6.
IDC Error ellipse: s-maj=20.6km s-min=11.7km az=108.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ62.00000°,λ94.00000°. NP2:ϕ_s202.00000°,δ29.00000°,λ83.00000°. $M_0$5.46000×10^{14}

(162) South Island

ISC	**V**	**26 19 57 26.2–.77**	**44.50S–.03**	**169.84E–.03**	**12**		**50**	**0-147**
IDC	V	26 19 57 21.4–2.5	42.45S	171.62E	0	3.8,3.6		¶16156190
ISCJB	V	26 19 57 25.8–.38	44.48S–.03	169.84E–.05	12	3.5b,3.6		
WEL	V	26 19 57 26.3–.10	44.50S	169.86E	5	4.3L,3.6		
NEIC	V	26 19 57 26.3	44.50S	169.86E	5	4.3L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=54.3km s-min=16.0km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.8km az=136.2.
WEL Event type fe. Error ellipse: s-maj=1.2km s-min=0.9km az=90.0. Felt from Canterbury to Otago, maximum reported intensity MM 4.
NEIC Event type fe. Felt from Canterbury to Otago. After WEL.

(227) Eastern Honshu

ISC	**V**	**26 21 40 42.0–.65**	**39.55N–.03**	**141.92E–.05**	**34–1**	**4.2b**	**80**	**0-77**
NIED	V	26 21 40 00	39.50N	142.00E	35	3.9W		¶15429591
BJI	V	26 21 40 37.9	39.69N	142.46E	40	4.6b,4.6b		
ISCJB	V	26 21 40 40.7–.48	39.54N–.03	141.98E–.06	41–3	4.1b,4.1s		
JMA	V	26 21 40 41.5	39.55N	141.94E	33–1	3.9,4.1s		
IDC	V	26 21 40 42.1–.97	39.52N	141.91E	36–6	3.9,3.9L		
NEIC	V	26 21 40 43.4–.61	39.56N	141.90E	49–5	4.3b,3.9L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s65.00000°,δ55.00000°,λ55.00000°. NP2:ϕ_s296.00000°,δ48.00000°,λ129.00000°. $M_0$7.35000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.9km az=17.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s68.00000°,δ54.00000°,λ63.00000°. NP2:ϕ_s289.00000°,δ44.00000°,λ122.00000°. Principal axes: T Plg68.0000°,Azm280.0000°; N Plg21.0000°,Azm85.0000°; P Plg5.0000° ,Azm177.0000°
IDC Error ellipse: s-maj=19.5km s-min=14.1km az=103.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=5.2km az=122.0.

(243) Taiwan region

ISC	**V**	**26 22 27 34.8–.34**	**21.64N–.03**	**119.57E–.02**	**24–2**	**4.9b,4.5s**	**524**	**1-114**
IDC	V	26 22 27 30.9–.44	21.58N	119.55E	0	4.6,4.5		¶12863601
BJI	V	26 22 27 33.2	21.82N	119.46E	7	4.8s,4.8L		
ISCJB	V	26 22 27 34.4–.31	21.67N–.01	119.55E–.02	33–3	4.7b,4.4s		
TEH	V	26 22 27 34.0	21.64N	119.63E	18	4.9L,4.4s		
NEIC	V	26 22 27 34.6–1.2	21.61N	119.59E	24–9	4.9b,4.4s		
MOS	V	26 22 27 34.1–.95	21.52N	119.52E	33	5.2b,4.6s		
TAP	V	26 22 27 35.1	21.74N	119.56E	55–1	5.7L,4.6s		
JMA	V	26 22 27 36.8–.20	21.40N	120.05E	48	5.3,4.6s		
GCMT	V	26 22 27 36.5–.30	21.66N	119.47E	28–1	5.0W,4.6s		
SZGRF	V	26 22 27 36.6	22.23N	119.86E	47	5.4b,4.6s		
DJA	V	26 22 27 38.4–.80	22N–4.0	120E–7.0	77–12	5.5b,5.4		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Kao-hsiung. Recorded [2 TAP] in T'ai-nan and Yun-lin; [1 TAP] in Chang-hua, Chia-i, P'eng-hu, P'ing-tung and T'ai-tung.
TAP D.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s26,c32; s70,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35±.15 $M_{\theta\theta}$-2.00±.09; $M_{\phi\phi}$3.35±.12; $M_{r\theta}$1.23±.17; $M_{\theta\phi}$-0.24±.08; $M_{\phi r}$1.30±.19; Best double couple: NP1:ϕ_s318.00000°,δ51.00000°,λ-159.00000°. NP2:ϕ_s214.00000°,δ74.00000°,λ-41.00000°. Principal axes: T 3.6900,Plg15.0000° ,Azm271.0000°; N -0.5800,Plg46.0000°,Azm17.0000°; P -3.1100,Plg40.0000° ,Azm168.0000° $M_0$3.40000×10^{16}
SZGRF Taiwan region.

(216) Mariana Islands

ISC	**V**	**27 11 11 31.0–.66**	**13.71N–.08**	**144.9E–.10**	**119–5**	**4.2b**	**72**	**0-148**
ISCJB	V	27 11 11 30.1–.56	13.69N–.07	144.83E–.10	123–4	4.2b		¶13679740
IDC	V	27 11 11 30.5–.49	13.73N	145.01E	115–3	4.1,4.0		

NEIC V 27 11 11 31.2–.76 13.69N 144.90E 120–7 4.4b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=16.0km s-min=11.8km az=178.9.
IDC Error ellipse: s-maj=17.4km s-min=10.7km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=8.8km az=94.0. Felt at Barrigada, Dededo and Santa Rita.

(243) Taiwan region

ISC	**V**	**27 11 40 09.6–1.0**	**24.39N–.02**	**122.08E–.02**	**9–8**		**126**	**0-3**
NEIC	V	27 11 40 08.9–2.5	24.33N	122.10E	10	4.3L		**¶12870877**
ISCJB	V	27 11 40 09.2–.36	24.37N–.01	122.09E–.01	2–2	4.3L		
TAP	V	27 11 40 10.8	24.39N	121.96E	20–0	3.8L		
JMA	V	27 11 40 11.3–.30	24.72N	122.05E	48	3.2		

ISC Event type se.
NEIC Event type fe. Error ellipse: s-maj=26.0km s-min=8.7km az=83.0. Recorded [4 TAP] in I-lan and [3 TAP] in Hua-lien.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.1km az=147.6.
TAP B.
JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.

(111) Northern Peru

ISC	**V**	**27 12 01 54.2–.61**	**5.89S–.07**	**75.76W–.06**	**20**	**3.9b**	**33**	**3-141**
IDC	V	27 12 01 51.2–.78	5.83S	75.80W	0	4.0,3.9		**¶13679742**
ISCJB	V	27 12 01 52.5–.52	5.91S–.06	75.75W–.06	20	3.9b,3.9		
NEIC	V	27 12 01 56.6–1.1	5.91S	75.78W	37–11	4.3b,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=20.6km s-min=16.0km az=155.0.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=7.7km az=33.5.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=8.0km az=200.0. Felt [II] at Yurimaguas.

(127) Chile-Argentina border region

ISC	**V**	**27 14 11 09.3–1.5**	**32.34S–.03**	**71.01W–.07**	**72–12**		**44**	**0-2**
ISCJB	V	27 14 11 08.4–.92	32.34S–.04	71.1W–.10	80–10			**¶14648242**
NEIC	V	27 14 11 08.1	32.33S	70.99W	82	3.7		
GUC	V	27 14 11 08.1–.89	32.33S	70.99W	82–6	3.7L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.6km s-min=5.2km az=167.0.
NEIC Event type fe. Felt [II] at La Ligua. After GUC.
GUC Error ellipse: s-maj=2.0km s-min=5.7km az=-1.0.

(460) Wyoming

ISC	**V**	**27 18 02 21.6–.62**	**43.60N–.02**	**105.29W–.02**	**0**		**135**	**0-62**
IDC	V	27 18 02 20.5–2.6	43.34N	105.17W	0	4.2b,4.0		**¶13679757**
ISCJB	V	27 18 02 22.0–.19	43.65N–.01	105.31W–.02	0	4.5b,4.0		
NEIC	V	27 18 02 22.3–.50	43.62N	105.25W	0	3.2L,4.0		

ISC Event type sm.
IDC Error ellipse: s-maj=56.8km s-min=9.3km az=155.0.
ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.7km az=157.5.
NEIC Event type fm. Error ellipse: s-maj=7.7km s-min=6.1km az=172.0. 80 km [50 miles] SSE of Gillette. Suspected Mining explosion.

(95) Windward Islands

TRN	**V**	**27 21 01 10.0**	**14.11N**	**60.86W**	**19**	**3.5,2.5**		**¶14772113**

TRN Event type fe. Felt Saint Lucia, II and III.

(69) Near coast of Chiapas

ISC	**V**	**28 00 23 43.3–.40**	**14.38N–.04**	**92.60W–.03**	**46–3**	**5.0b,4.5s**	**502**	**1-152**
MOS	V	28 00 23 40.6–1.1	14.48N	92.12W	33	5.3b,4.5s		**¶12866344**
NEIC	V	28 00 23 44.0–.29	14.40N	92.30W	51	5.0b,5.0W		
GCMT	V	28 00 23 44.4–.20	14.32N	92.77W	34–0	5.1W,5.0W		
MEX	V	28 00 23 44.5–1.4	14.33N	92.79W	16–54	4.6,5.0W		
CASC	V	28 00 23 44.5–1.4	14.15N	92.58W	50–66	5.0L,5.0b		
BJI	V	28 00 23 46.8	14.50N	92.30W	67	5.2b,5.1s		
ISCJB	V	28 00 23 47.2–.46	14.52N–.04	92.25W–.03	92–3	4.8b,5.1s		
IDC	V	28 00 23 48.7–2.6	14.53N	92.24W	88–21	4.6,4.5		

ISC Event type fe.
MOS Error ellipse: s-maj=8.4km s-min=4.6km az=102.2.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=3.9km az=215.0. Felt at Guatemala. Also felt at Pijijiapan, Mexico. Moment Tensor Solution. s20 Moment tensor: Scale 10^{16}Nm; M_{rr}3.58 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-2.35 $M_{r\theta}$0.49 $M_{\theta\phi}$3.28 $M_{\phi r}$-0.27 Best double couple: NP1:ϕ_s326.00000° ,δ42.00000°,λ98.00000°. NP2:ϕ_s134.00000°,δ49.00000°,λ83.00000°. Principal axes: T 3.6300,Plg83.0000°,Azm351.0000°; N 1.5200,Plg5.0000°,Azm139.0000° ; P -5.1500,Plg3.0000°,Azm229.0000° $M_0$4.60000×10^{16}
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s74,c113; s81,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}5.39±.16 $M_{\theta\theta}$-4.43±.11; $M_{\phi\phi}$-0.96±.13; $M_{r\theta}$2.33±.10; $M_{\theta\phi}$2.23±.08; $M_{\phi r}$-1.56±.13; Best double couple: NP1:ϕ_s292.00000°,δ32.00000°,λ84.00000°. NP2:ϕ_s120.00000°,δ59.00000°,λ94.00000°. Principal axes: T 6.0800,Plg76.0000° ,Azm41.0000°; N 0.1100,Plg3.0000°,Azm298.0000°; P -6.1900,Plg14.0000°,Azm207.0000° $M_0$6.10000×10^{16}
MEX Error ellipse: s-maj=11.9km s-min=9.0km az=-1.0.
CASC Error ellipse: s-maj=19.7km s-min=14.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=3.4km az=39.4.
IDC Error ellipse: s-maj=16.7km s-min=9.6km az=61.0.

(224) Hokkaido region

ISC	**V**	**28 01 11 22.8–.94**	**41.55N–.04**	**142.07E–.04**	**58–9**	**3.7b**	**39**	**1-76**
NIED	V	28 01 11 00	41.60N	142.10E	53	3.8W		**¶13679772**
ISCJB	V	28 01 11 22.1–.40	41.56N–.03	142.07E–.05	68–4	3.6b		
JMA	V	28 01 11 22.5–.10	41.56N	142.06E	64–3	3.5		
MOS	V	28 01 11 23.8–1.2	41.59N	142.15E	87	3.9b		
IDC	V	28 01 11 24.4–1.7	41.62N	142.12E	72–14	3.6,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ67.00000°,λ90.00000°. NP2:ϕ_s194.00000°,δ23.00000°,λ89.00000°. $M_0$4.76000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.6km az=37.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=19.1km s-min=12.4km az=84.0.
IDC Error ellipse: s-maj=20.8km s-min=11.4km az=115.0.

(656) Southeastern Siberia

SKHL	**V**	**28 02 21 43.4–.40**	**55.08N**	**122.69E**	**24–2**	**4.4b**		**¶14739891**

SKHL Event type fe. Felt (II) at Tinda.

(233) Near south coast of western Honshu

JMA	**V**	**28 03 01 21.7**	**34.96N**	**135.45E**	**10**	**3.4**		**¶15430012**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s136.00000°,δ57.00000°,λ53.00000°. NP2:ϕ_s10.00000°,δ48.00000°,λ133.00000°. Principal axes: T Plg59.0000°,Azm350.0000°; N Plg30.0000°,Azm158.0000°; P Plg5.0000° ,Azm251.0000°

(731) North of Honduras

ISC	**V**	**28 08 24 48.0–.14**	**16.81N–.02**	**86.22W–.02**	**29**	**7.1s,6.6b**	**1473**	**3-175**
CASC	V	28 08 24 41.3–1.3	16.85N	86.40W	0–17	6.7b,6.6L		**¶12867661**
IDC	V	28 08 24 43.8–.42	16.83N	86.11W	0	7.1,7.0s		
MOS	V	28 08 24 43.3–1.2	16.71N	86.30W	10	7.1s,6.8b		
BJI	V	28 08 24 45.3	16.70N	86.20W	10	7.6s,7.4		
TEH	V	28 08 24 46.0	16.78N	86.17W	10	7.1L,7.4		
ISCJB	V	28 08 24 46.2–.10	16.74N–.02	86.27W–.01	29	7.1s,6.5b		
NEIC	V	28 08 24 46.6–.12	16.73N	86.22W	19	8.1,7.3W		
BGS	V	28 08 24 47.5–3.1	17.51N	85.70W	10–999	6.9s,7.3W		
SZGRF	V	28 08 24 49.7	17.64N	85.29W	33	7.1s,6.5b		
GCMT	V	28 08 25 04.8–.10	16.50N	87.17W	12	7.3W,6.5b		

ISC Event type de.
CASC Error ellipse: s-maj=37.7km s-min=12.0km az=-1.0.
IDC Error ellipse: s-maj=16.7km s-min=10.2km az=64.0.
MOS Error ellipse: s-maj=10.1km s-min=4.8km az=121.7.
ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=1.9km az=34.6.
NEIC Event type de. Error ellipse: s-maj=3.2km s-min=2.2km az=41.0. At least 7 people killed, 40 injured and more than 130 buildings damaged or destroyed in northern Honduras, including the Islas de la Bahia. The central span of a major bridge at El Progreso was destroyed. Felt [VII] at El Progreso, Jose Santos Guardiola, La Lima, Omoa, Puerto Cortes and Utila; [VI] at French Harbor, La Ceiba, Roatan, Sambo Creek, San Pedro Sula, Sandy Bay and Tela; [V] at Arizona, Guanaja, Mateo, Santa Rosa de Copan, Siguatepeque, Tocoa and Villanueva. At least 5 buildings destroyed and 25 damaged in Belize. Felt [VI] at Dangriga; [V] at Belize City, Benque Viejo and Punta Gorda; [IV] at Belmopan, San Ignacio and San Pedro. Felt [V] at Colon and [IV] at Antiguo Cuscatlan, Mejicanos, San Miguel and San Salvador, El Salvador. Felt [VI] at Livingston and Puerto Barrios; [V] at Villa Canales; [IV] at Antigua Guatemala, Chichicastenango, Chimaltenango, Chiquimula, Coban, Fraijanes, Guatemala, Mixco and Villa Nueva, Guatemala. Felt [III] at Carmen, Chetumal, Merida and Villahermosa; [II] at Cancun and Mexico, Mexico. Also felt [II] at Havana, Cuba. Felt in much of Honduras and throughout Belize, El Salvador and Guatemala. Also felt in The Bahamas, Cayman Islands and Virgin Islands and in parts of Colombia, Costa Rica, Cuba, Jamaica, Mexico, Nicaragua and Panama. Seiches were reported in swimming pools at La Ceiba and Roatan, Honduras. Ground cracks and possible liquefaction were observed at Monkey River, Belize. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s340.00000°,δ88.00000°,λ175.00000°. NP2:ϕ_s70.00000°,δ85.00000°,λ2.00000°. Principal axes: T Plg5.0000°,Azm295.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000° ,Azm25.0000° Moment Tensor Solution. $M_0$8.00000×10^{19}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF North of Honduras.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 120 sta. Surface waves: sta= 80, comp=157, per= 50. Moment Tensor Solution. s84,c163; s99,c295; Moment tensor: Scale 10^{20}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s63.00000°,δ60.00000° ,λ-7.00000°. NP2:ϕ_s156.00000°,δ84.00000°,λ-150.00000°. Principal axes: T 1.2000,Plg16.0000°,Azm286.0000°; N 0.1600,Plg59.0000°,Azm166.0000° ; P -1.3700,Plg25.0000°,Azm24.0000° $M_0$1.30000×10^{20}

(731) North of Honduras

ISC	**V**	**28 09 06 24.6–.44**	**16.39N–.04**	**87.38W–.08**	**10**	**4.8b**	**136**	**2-148**
MOS	V	28 09 06 23.6–1.1	16.44N	87.46W	10	5.0b		**¶13439805**
ISCJB	V	28 09 06 23.5–.24	16.39N–.03	87.36W–.04	10	4.8s,4.7b		
NEIC	V	28 09 06 24.6–.29	16.31N	87.41W	10	4.8b,4.7b		
BJI	V	28 09 06 25.5	16.40N	87.40W	10	5.3b,5.1s		
IDC	V	28 09 06 28.1–.96	17.12N	87.51W	0	4.4,4.4L		
CASC	V	28 09 06 39.0–.96	15.43N	87.76W	18	4.8b,4.5L		

ISC Event type fe.
MOS Error ellipse: s-maj=18.0km s-min=7.0km az=109.5.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.6km az=0.2.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.5km az=47.0. Felt [V] at La Ceiba and San Pedro Sula. Also felt at Agalteca, Germania, Roatan and Savannah Bight. Felt [V] at Belize City, Dangriga and San Pedro, Belize. Also felt at Orange Walk. Felt at San Salvador, El Salvador and at Amatitlan, Guatemala and Morales, Guatemala.
IDC Error ellipse: s-maj=30.4km s-min=19.2km az=40.0.
CASC Error ellipse: s-maj=57.3km s-min=5.0km az=-1.0.

(129) Salta Province

NEIC	**V**	**28 14 47 17.0**	**24.16S**	**65.06W**	**22**	**4.0**		**¶14648359**

NEIC Event type fe. Felt [III] at San Salvador de Jujuy. After SJA.

(92) Leeward Islands

ISC	**V**	**28 16 28 08.8–.46**	**15.10N–.03**	**60.42W–.05**	**52–3**	**4.5b,3.8s**	**235**	**1-165**
TRN	V	28 16 28 07.8	15.09N	60.42W	53	4.6,4.1		**¶13439809**
ISCJB	V	28 16 28 08.6–.43	15.09N–.02	60.45W–.05	66–3	4.4b,4.1		
NEIC	V	28 16 28 08.9	15.05N	60.45W	61	4.6b,4.1		
IDC	V	28 16 28 08.9–.59	15.13N	60.39W	49–5	4.2,4.1		
BJI	V	28 16 28 08.5	15.10N	60.50W	60	5.2b,5.1s		

ISC Event type fe.
TRN Event type fe. Felt II, III, Martinique.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=2.9km az=164.6.
NEIC Event type fe. Felt [III] at Fort-de-France and Le Lamentin. Also felt at Ducos, La Trinite, Le Marin, Le Robert, Saint-Joseph, Sainte-Luce and Schoelcher. Felt [II] at Gros Islet, Saint Lucia. Also felt at Castries and Choc. Felt at Canefield, Dominica and at Oistins, Barbados. After TRN.
IDC Error ellipse: s-maj=13.5km s-min=10.9km az=95.0.

(129) Salta Province

ISC	**V**	**28 18 37 48.4–1.3**	**24.17S–.10**	**64.84W–.09**	**35**		**13**	**4-75**
ISCJB	V	28 18 37 46.7–1.1	24.08S–.08	64.76W–.09	33	3.9b		**¶13679840**
NEIC	V	28 18 37 48.7–1.3	24.21S	64.91W	50–19	4.1		
IDC	V	28 18 37 48.4–6.5	24.15S	64.78W	35–40	4.0L,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=10.0km az=136.5.
NEIC Event type fe. Error ellipse: s-maj=22.4km s-min=12.4km az=207.0. Felt [III] at San Salvador de Jujuy.
IDC Error ellipse: s-maj=66.5km s-min=23.3km az=48.0.

(257) Negros

MAN	**V**	**28 18 59 51**	**9.15N**	**123.59E**	**13**	**5.5b,4.5L**		**¶14717553**

MAN Event type fe. INTENSITY IV - SIQUIJOR SIQUIJOR; LARENA SIQUIJOR; SAN JUAN SIQUIJOR.

(54) Off coast of Jalisco

ISC	**V**	**28 22 57 20.5–1.0**	**18.56N–.05**	**106.41W–.04**	**16–5**	**5.0s,4.9b**	**313**	**2-144**
IDC	V	28 22 57 17.9–.64	18.49N	106.62W	0	4.9,4.9		**¶12868607**
MEX	V	28 22 57 19.9–.67	18.55N	106.51W	20–105	5.1,4.9		
NEIC	V	28 22 57 19.4–2.2	18.45N	106.46W	10–13	5.3W,5.0b		
ISCJB	V	28 22 57 20.3–1.2	18.54N–.03	106.30W–.02	24–8	5.0s,4.8b		
MOS	V	28 22 57 21.6–.94	18.55N	106.42W	33	5.1b,4.8b		
GCMT	V	28 22 57 22.5–.10	18.63N	106.54W	13–0	5.4W,4.8b		
BJI	V	28 22 57 24.1	18.50N	106.40W	40	5.3s,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=25.4km s-min=11.0km az=62.0.
MEX Error ellipse: s-maj=14.1km s-min=22.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=3.5km az=220.0. Felt at Zihuatanejo. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.21 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$0.49 $M_{r\theta}$-0.07 $M_{\theta\phi}$-1.03 $M_{\phi r}$-0.46 Best double couple: NP1:ϕ_s101.00000°,δ66.00000°,λ-175.00000°. NP2:ϕ_s9.00000°,δ85.00000°,λ-24.00000°. Principal axes: T 1.2800,Plg13.0000° ,Azm57.0000°; N -0.1700,Plg65.0000°,Azm177.0000°; P -1.1100,Plg20.0000° ,Azm322.0000° $M_0$1.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.0km az=27.6.
MOS Error ellipse: s-maj=9.5km s-min=5.1km az=93.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 94, comp=186, per= 50. Moment Tensor Solution. s84,c138; s87,c164; Moment tensor: Scale 10^{17}Nm; M_{rr}0.06±.02 $M_{\theta\theta}$-0.79±.03; $M_{\phi\phi}$0.73±.03; $M_{r\theta}$-0.20±.05; $M_{\theta\phi}$-1.46±.02; $M_{\phi r}$-0.05±.05; Best double couple: NP1:ϕ_s14.00000°,δ84.00000°,λ-3.00000°. NP2:ϕ_s104.00000°,δ87.00000°,λ-174.00000°. Principal axes: T 1.6200,Plg2.0000°,Azm239.0000°; N 0.0800,Plg83.0000°,Azm129.0000° ; P -1.7000,Plg7.0000°,Azm329.0000° $M_0$1.70000×10^{17}

(377) Spain

ISC	**V**	**29 00 41 26.2–1.0**	**38.48N–.02**	**1.27W–.02**	**10–8**		**295**	**0-8**
ISCJB	V	29 00 41 24.7–.34	38.57N–.02	1.43W–.02	0–2			**¶12954579**
CSEM	V	29 00 41 26.3–.09	38.48N	1.31W	8	3.6L		
SFS	V	29 00 41 26.0	38.46N	1.25W	1	3.2L		
INMG	V	29 00 41 27.1–1.7	38.47N	1.26W	5–3	3.2L		
MDD	V	29 00 41 27.0–.24	38.47N	1.27W	0	3.0		
LDG	V	29 00 41 27.3–.11	38.43N	1.23W	2	3.2L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=151.4.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=138.0.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=118.0.
MDD Event type fe. Error ellipse: s-maj=2.5km s-min=2.1km az=118.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.5km az=130.0.

(272) Seram

ISC	**V**	**29 00 58 37.3–.25**	**3.91S–.03**	**127.53E–.03**	**50–1**	**5.8b,4.8s**	**1204**	**1-163**
BJI	V	29 00 58 29.6	4.58S	128.03E	53	5.7b,5.6b		**¶15155569**
MOS	V	29 00 58 34.7–.96	3.78S	127.42E	33	6.0b,5.6b		
ISCJB	V	29 00 58 35.5–.33	3.84S–.02	127.59E–.02	46–3	5.8b,4.8s		
IDC	V	29 00 58 35.6–1.5	3.90S	127.40E	33–10	5.5,5.5		
AUST	V	29 00 58 36.6–.50	3.96S	127.60E	34–0	5.5,5.5		

NEIC V 29 00 58 36.4–.53 3.91S 127.46E 41–4 5.8b,5.5
GCMT V 29 00 58 36.2–.10 3.88S 127.57E 16–0 5.4W,5.5
DJA V 29 00 58 36.8–.30 4S–2.0 128E–1.0 28–3 6.1b,5.8b
TEH V 29 00 58 38.0 3.86S 127.54E 56 5.7L,5.8b
ISC Event type fe.
MOS Error ellipse: s-maj=9.4km s-min=4.7km az=113.3.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.8km az=142.2.
IDC Error ellipse: s-maj=15.0km s-min=8.9km az=71.0.
AUST Error ellipse: s-maj=0.5km s-min=0.4km az=29.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=62.0. Felt [IV] on Ambon.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=214, per= 50. Moment Tensor Solution. s93,c157; s2,c3; Moment tensor: Scale 10^{17}Nm; M_{rr}1.84±.03 $M_{\theta\theta}$-1.72±.02; $M_{\phi\phi}$-0.11±.02; $M_{r\theta}$0.37±.06; $M_{\theta\phi}$0.15±.02; $M_{\phi r}$0.21±.07; Best double couple: NP1:ϕ_s282.00000°,δ40.00000°,λ100.00000°. NP2:ϕ_s88.00000°,δ51.00000°,λ81.00000°. Principal axes: T 1.9000,Plg81.0000°,Azm314.0000°; N -0.1300,Plg7.0000°,Azm94.0000° ; P -1.7700,Plg6.0000°,Azm184.0000° $M_0$1.80000×10^{17}

(54) Off coast of Jalisco

ISC	**V**	**29 01 04 39.3–.46**	**18.60N–.05**	**106.43W–.04**	**10**	**5.0b,5.0s**	**254**	**2-158**
BJI	V	29 01 04 36.3	18.30N	106.70W	10	5.9b,5.7b		**¶12868610**
ISCJB	V	29 01 04 37.9–.36	18.55N–.04	106.35W–.02	10	5.0s,4.8b		
IDC	V	29 01 04 38.9–.76	18.80N	106.95W	0	4.9,4.9s		
NEIC	V	29 01 04 38.4–.48	18.37N	106.54W	11	5.3W,5.3		
MEX	V	29 01 04 39.4–2.4	18.69N	106.55W	13–14	5.3,5.3		
GCMT	V	29 01 04 41.7–.20	18.67N	106.64W	15–0	5.5W,5.3		
MOS	V	29 01 04 42.5–1.5	18.68N	106.59W	33	5.2b,4.7s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=2.3km az=25.3.
IDC Error ellipse: s-maj=27.9km s-min=13.8km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=3.7km az=212.0. Felt at Armeria. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s100.00000°,δ54.00000°,λ-173.00000°. NP2: ϕ_s6.00000°,δ85.00000°,λ-36.00000°. Principal axes: T 1.0800,Plg20.0000°,Azm58.0000° ; N -0.1000,Plg53.0000°,Azm179.0000°; P -0.9900,Plg28.0000°,Azm317.0000° $M_0$1.00000×10^{17}
MEX Error ellipse: s-maj=8.3km s-min=9.1km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 95, comp=181, per= 50. Moment Tensor Solution. s81,c124; s4,c4; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.03 $M_{\theta\theta}$-0.91±.03; $M_{\phi\phi}$0.92±.03; $M_{r\theta}$-0.43±.09; $M_{\theta\phi}$-1.61±.03; $M_{\phi r}$0.21±.09; Best double couple: NP1:ϕ_s15.00000°,δ76.00000°,λ2.00000°. NP2:ϕ_s285.00000°,δ88.00000°,λ166.00000°. Principal axes: T 1.9400,Plg12.0000°,Azm239.0000°; N -0.0600,Plg76.0000°,Azm95.0000° ; P -1.8800,Plg8.0000°,Azm331.0000° $M_0$1.90000×10^{17}
MOS Error ellipse: s-maj=11.5km s-min=5.1km az=94.1.

(163) Cook Strait

WEL	**V**	**29 01 51 44.6–.20**	**41.94S**	**174.03E**	**20–1**	**3.5L**		
NEIC	V	29 01 51 44.6	41.94S	174.03E	20	3.5L		**¶14302687**

WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.5km az=90.0. Felt in the Marlborough region, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] in Marlborough. After WEL.

(731) North of Honduras

ISC	**V**	**29 02 45 44.7–1.5**	**16.07N–.04**	**87.54W–.06**	**18–9**	**4.5b,4.1s**	**151**	**2-148**
IDC	V	29 02 45 42.5–.82	16.18N	87.46W	0	4.5,4.3L		**¶12868614**
NEIC	V	29 02 45 44.4–.33	16.10N	87.58W	10	4.5b,4.3L		
BJI	V	29 02 45 44.7	16.10N	87.60W	10	5.3b,4.6s		
ISCJB	V	29 02 45 45.6–1.3	16.27N–.02	87.53W–.04	23–11	4.5b,4.2s		
CASC	V	29 02 45 45.1–1.5	16.36N	87.66W	15–120	4.5L,4.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=23.1km s-min=16.1km az=56.0.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=5.3km az=59.0. Felt [IV] at Roatan, [III] at La Ceiba and [II] at San Pedro Sula and Utila. Also felt at La Lima, Omoa, Sandy Bay and Valle de Angeles. Felt [III] at Belize City, Belize. Also felt at Dangriga and San Ignacio.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.6km az=14.5.
CASC Error ellipse: s-maj=71.9km s-min=29.2km az=-1.0.

(227) Eastern Honshu

ISC	**V**	**29 05 39 38.5–.84**	**36.07N–.04**	**139.90E–.05**	**49–7**	**3.9b**	**30**	**0-77**
NIED	V	29 05 39 00	36.10N	139.90E	59	4.1W		**¶13439816**
ISCJB	V	29 05 39 37.4–.48	36.06N–.04	139.92E–.05	57–4	3.8b,2.2s		
JMA	V	29 05 39 38.6–.10	36.08N	139.89E	47–1	3.9,2.2s		
IDC	V	29 05 39 39.5–1.7	36.00N	139.85E	61–17	3.8,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ63.00000°,λ72.00000°. NP2:ϕ_s259.00000°,δ32.00000°,λ121.00000°. $M_0$1.51000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=6.2km az=177.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s40.00000°,δ74.00000°,λ93.00000°. NP2: ϕ_s211.00000°,δ16.00000°,λ81.00000°. Principal axes: T Plg61.0000°,Azm314.0000° ; N Plg3.0000°,Azm219.0000°; P Plg29.0000°,Azm128.0000°
IDC Error ellipse: s-maj=20.6km s-min=8.6km az=64.0.

(76) Off coast of central America

ISC	**V**	**29 05 47 19.2–1.4**	**12.40N–.06**	**88.71W–.06**	**28–8**	**4.5b,3.9s**	**183**	**1-148**
IDC	V	29 05 47 15.2–.59	12.55N	88.46W	0	4.5,4.4		**¶13077415**
CASC	V	29 05 47 18.3–2.4	12.36N	88.80W	8–13	4.6b,4.3		
ISCJB	V	29 05 47 20.4–.45	12.40N–.04	88.69W–.05	54–3	4.5b,3.9s		
BJI	V	29 05 47 23.9	12.50N	88.60W	66	5.3s,5.1b		
NEIC	V	29 05 47 24.0–.94	12.50N	88.55W	70–9	4.6b,5.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=27.7km s-min=12.3km az=55.0.
CASC Error ellipse: s-maj=6.0km s-min=7.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=3.2km az=136.2.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=4.6km az=57.0. Felt at San Salvador.

(186) Vanuatu Islands

ISC	**V**	**29 06 20 16.4–.32**	**17.08S–.04**	**168.49E–.04**	**27–1**	**5.5s,5.4b**	**538**	**5-168**
NOU	V	29 06 20 10.1–1.9	16.57S	168.62E	30	4.2,3.4L		**¶15246573**
IDC	V	29 06 20 11.7–.47	16.99S	168.46E	0	5.3,5.3s		
ISCJB	V	29 06 20 12.4–1.8	17.04S–.03	168.32E–.03	8–11	5.5s,5.2b		
BJI	V	29 06 20 14.4	17.00S	168.40E	30	5.6s,5.6b		
NEIC	V	29 06 20 14.6–.17	17.03S	168.33E	13	5.6W,5.5b		
MOS	V	29 06 20 16.5–1.3	16.96S	168.25E	33	5.5s,5.4b		
AUST	V	29 06 20 17.0–4.1	17.14S	168.41E	17–0	5.5s,5.4b		
GCMT	V	29 06 20 17.6–.10	16.90S	168.42E	12	5.7W,5.4b		
DJA	V	29 06 21 04.3–4.3	18S–13	166E–30	319–36	5.4b,4.9		

ISC Event type de.
ISCJB Event type de.
NEIC Event type de. Ten people injured, several buildings damaged or destroyed, several roads damaged, water utilities disrupted and landslides occurred on Tongoa. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13 $M_{\theta\theta}$2.54 $M_{\phi\phi}$-2.68 $M_{r\theta}$0.39 $M_{\theta\phi}$-1.58 $M_{\phi r}$-0.88 Best double couple: NP1:ϕ_s61.00000°,δ73.00000°,λ-180.00000°. NP2:ϕ_s331.00000° ,δ90.00000°,λ-17.00000°. Principal axes: T 3.1100,Plg12.0000°,Azm17.0000° ; N 0.1700,Plg72.0000°,Azm149.0000°; P -3.2900,Plg12.0000°,Azm284.0000° $M_0$3.20000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=123, comp=263, per= 50. Moment Tensor Solution. s107,c209; s39,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45±.04 $M_{\theta\theta}$3.34±.04; $M_{\phi\phi}$-2.89±.04; $M_{r\theta}$1.00±.11; $M_{\theta\phi}$-2.84±.04; $M_{\phi r}$0.97±.11; Best double couple: NP1:ϕ_s155.00000°,δ72.00000°,λ-8.00000°. NP2:ϕ_s247.00000°,δ82.00000°,λ-162.00000°. Principal axes: T 4.5100,Plg7.0000°,Azm20.0000°; N -0.1100,Plg71.0000°,Azm270.0000° ; P -4.4000,Plg18.0000°,Azm112.0000° $M_0$4.50000×10^{17}

(250) Mindoro

ISC	**V**	**29 06 51 51.3–.69**	**13.62N–.06**	**120.94E–.07**	**35**	**3.7b**	**21**	**0-119**
IDC	V	29 06 51 45.9–.77	13.51N	120.98E	0	4.3s,4.3		**¶13679874**
MAN	V	29 06 51 47	13.66N	120.98E	15	4.8b,3.7s		
ISCJB	V	29 06 51 49.1–.53	13.68N–.04	120.97E–.06	33	4.6s,3.8b		

ISC Event type fe.
MAN Event type fe. INTENSITY II - PUERTO GALERA ORIENTAL MINDORO; BATANGAS CITY.
ISCJB Event type fe.

(72) Honduras

ISC	**V**	**29 12 51 03.6–1.6**	**15.45N–.04**	**86.42W–.05**	**16–10**	**4.5b,3.6s**	**149**	**2-146**
IDC	V	29 12 51 01.4–.64	15.39N	86.37W	0	5.0L,4.5		**¶12868650**
SSS	V	29 12 51 01.9	15.04N	85.81W	6	4.6L,4.5		
CASC	V	29 12 51 02.1–1.2	14.99N	85.86W	0–17	4.5b,4.2L		
NEIC	V	29 12 51 03.3–.27	15.38N	86.39W	10	4.5b,4.2L		
BJI	V	29 12 51 03.7	15.40N	86.40W	10	5.3b,5.1s		

ISC Event type fe.
IDC Error ellipse: s-maj=26.9km s-min=12.8km az=61.0.
CASC Error ellipse: s-maj=12.7km s-min=34.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.6km az=63.0. Felt at San Pedro Sula and Savannah Bight. Also felt at Dangriga, Belize.

(224) Hokkaido region

ISC	**V**	**29 16 03 49.9–.28**	**46.02N–.03**	**143.42E–.03**	**340–2**	**4.6b**	**584**	**1-155**
SZGRF	V	29 16 03 15.1	46.10N	145.70E	33	4.7b		**¶13469868**
DJA	V	29 16 03 43.2–5.7	46N–13	144E–26	283–55	5.0b,4.6		
BJI	V	29 16 03 47.3	46.12N	143.65E	335	4.9b,4.4b		
MOS	V	29 16 03 48.5–.97	46.05N	143.44E	336	4.6b,4.4b		
ISCJB	V	29 16 03 49.0–.15	45.98N–.02	143.50E–.03	343–1	4.5b,4.4b		
JMA	V	29 16 03 49.3–.30	45.83N	143.59E	352–3	4.9,4.4b		
SKHL	V	29 16 03 49.5–1.5	45.98N	143.59E	347–17	5.9b,5.4s		
IDC	V	29 16 03 50.4–.34	46.07N	143.44E	343–3	4.3,4.3		
NEIC	V	29 16 03 50.1–.13	46.02N	143.45E	342	4.7b,4.3		
NIED	V	29 16 04 00	45.90N	143.70E	360	4.8W,4.3		

ISC Event type se.
SZGRF Sea of Okhotsk.
MOS Error ellipse: s-maj=6.7km s-min=4.5km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.9km az=166.2.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=6.8km s-min=5.9km az=158.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=150.0. Recorded [1 JMA] in eastern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ75.00000°,λ59.00000°. NP2:ϕ_s45.00000°,δ34.00000°,λ152.00000°. $M_0$1.80000×10^{16}

(229) Off east coast of Honshu

ISC	**V**	**29 16 53 59.4–2.2**	**37.75N–.05**	**143.26E–.05**	**30–15**	**4.4b,3.9s**	**164**	**2-145**
NIED	V	29 16 53 00	37.80N	143.30E	8	4.4W,3.9s		**¶13439826**
IDC	V	29 16 53 55.1–.52	37.67N	143.23E	0	4.3,4.3		
ISCJB	V	29 16 53 56.3–1.2	37.76N–.04	143.20E–.04	15–7	4.3b,4.0s		
JMA	V	29 16 53 56.2–.10	37.78N	143.26E	40	4.9,4.0s		
MOS	V	29 16 53 58.3–1.2	37.73N	143.22E	33	4.5b,4.0s		
NEIC	V	29 16 54 00.5–.95	37.76N	143.19E	35–8	4.6b,4.3W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ88.00000°,λ-160.00000°. NP2:ϕ_s121.00000°,δ70.00000°,λ-2.00000°. $M_0$3.78000×10^{15}
IDC Error ellipse: s-maj=14.4km s-min=11.7km az=153.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.5km az=161.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=8.9km s-min=6.2km az=108.1.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=6.3km az=148.0. Recorded [1 JMA] in Miyagi. Moment Tensor Solution. $M_0$3.80000×10^{15}

(456) Montana

ISC	**V**	**29 18 16 02.2–.82**	**48.59N–.04**	**112.45W–.04**	**10**		**57**	**1-84**
ISCJB	V	29 18 16 01.0–.42	48.62N–.03	112.36W–.06	10	3.3b		**¶12886811**
NEIC	V	29 18 16 01.0	48.52N	112.34W	0	3.9L,3.6L		
IDC	V	29 18 16 01.4–.98	48.53N	112.32W	0	3.6,3.4		
PGC	V	29 18 16 03.6–4.3	48.62N	112.31W	1	3.6L,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.5km az=161.3.
NEIC Event type fe. Felt at Cut Bank. After BUT. Moment Tensor Solution. $M_0$6.90000×10^{13}
IDC Error ellipse: s-maj=11.4km s-min=9.6km az=29.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 125km Sse of Lethbridge, Alberta Montana.

(266) Northern Molucca Sea

ISC	**V**	**29 19 12 32.5–.29**	**0.97N–.03**	**126.19E–.03**	**33–1**	**5.2b,4.3s**	**470**	**1-159**
BJI	V	29 19 12 27.9	0.59N	126.14E	32	5.1b,5.0b		**¶12869545**
ISCJB	V	29 19 12 30.9–.18	1.02N–.02	126.25E–.03	31	5.2b,4.4s		
IDC	V	29 19 12 30.6–3.1	0.91N	126.01E	17–18	4.9,4.9		
MOS	V	29 19 12 31.1–1.2	0.97N	126.10E	33	5.4b,4.2s		
NEIC	V	29 19 12 32.5–.20	0.96N	126.11E	35	5.2b,4.2s		
DJA	V	29 19 12 36.3–.30	1N–3.0	126E–2.0	52–4	5.5,5.5b		
GCMT	V	29 19 12 38.2–.20	1.10N	126.23E	38–0	5.3W,5.5b		
NSSC	V	29 19 13 04.2–.63	3.10N	119.18E	0–999	5.3W,5.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=12.3.
IDC Error ellipse: s-maj=18.7km s-min=8.1km az=77.0.
MOS Error ellipse: s-maj=11.3km s-min=5.5km az=111.7.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.8km az=75.0. Felt at Manado, Indonesia.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c95; s88,c149; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s86.00000°,δ51.00000°,λ25.00000°. NP2:ϕ_s340.00000° ,δ71.00000°,λ138.00000°. Principal axes: T 1.0800,Plg42.0000°,Azm295.0000° ; N -0.0500,Plg45.0000°,Azm139.0000°; P -1.0300,Plg12.0000°,Azm37.0000° $M_0$1.10000×10^{17}
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(266) Northern Molucca Sea

ISC	**V**	**29 19 38 39.8–.70**	**0.9N–.20**	**126.0E–.40**	**44**	**4.0b**	**27**	**22-123**
IDC	V	29 19 38 33.6–.70	0.90N	125.90E	0	3.9,3.8		**¶13679919**
ISCJB	V	29 19 38 37.4–.56	0.9N–.10	125.9E–.30	44	4.0b,3.8		
NEIC	V	29 19 38 38.5–.47	0.88N	125.88E	35	4.3b,3.8		

ISC Event type fe.
IDC Error ellipse: s-maj=60.4km s-min=15.7km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=49.6km s-min=10.2km az=158.7.
NEIC Event type fe. Error ellipse: s-maj=42.5km s-min=8.9km az=69.0. Felt at Manado, Indonesia.

(259) Mindanao

ISC	**V**	**29 19 51 18.0–.20**	**5.92N–.02**	**125.87E–.03**	**162–1**	**5.4b**	**1142**	**1-171**
BJI	V	29 19 51 12.1	5.27N	126.01E	164	5.1b,5.1b		**¶15155586**
ISCJB	V	29 19 51 17.7–.22	5.94N–.01	125.92E–.02	172–2	5.4b,5.1b		
MAN	V	29 19 51 17	5.86N	125.90E	170	6.1b,5.8s		
MOS	V	29 19 51 17.0–1.0	5.93N	125.69E	163	5.4b,4.5s		
IDC	V	29 19 51 18.2–.32	5.90N	125.65E	159–2	5.0,5.0		
NEIC	V	29 19 51 18.0–.14	5.93N	125.78E	160	5.7W,5.5b		
GCMT	V	29 19 51 19.1–.10	5.86N	125.96E	147–0	5.7W,5.5b		
DJA	V	29 19 51 19.4–.30	6N–2.0	126E–2.0	168–3	6.6,6.2b		
AUST	V	29 19 51 21.4–.24	5.80N	125.96E	189–0	6.6,6.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=170.2.
MAN Event type fe. INTENSITY III - DAVAO CITY; INTENSITY II - GENERAL SANTOS CITY.
MOS Error ellipse: s-maj=8.7km s-min=4.5km az=113.8.
IDC Error ellipse: s-maj=9.5km s-min=4.9km az=74.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.9km az=70.0. Felt [III PIVS] at Davao, [II PIVS] at General Santos and [I PIVS] at Kidapawan. Also felt at Banga, Buhangin and Dadiangas.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=114, comp=209, per= 50. Moment Tensor Solution. s108,c199; s42,c49; Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.05 $M_{\theta\theta}$2.42±.06; $M_{\phi\phi}$-3.23±.06; $M_{r\theta}$-1.61±.04; $M_{\theta\phi}$-2.77±.06; $M_{\phi r}$2.68±.04; Best double couple: NP1:ϕ_s244.00000°,δ52.00000°,λ170.00000°. NP2:ϕ_s340.00000°,δ82.00000°,λ39.00000°. Principal axes: T 5.1400,Plg32.0000°,Azm209.0000°; N -0.0900,Plg51.0000°,Azm350.0000° ; P -5.0500,Plg20.0000°,Azm106.0000° $M_0$5.10000×10^{17}
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=27.0.

(637) Iceland region

ISC	**V**	**29 21 33 50.9–.29**	**63.92N–.02**	**22.27W–.01**	**11–1**	**4.7b,4.2s**	**808**	**0-146**
BGS	V	29 21 33 43.6–1.7	64.32N	22.88W	5	4.9b,4.2s		**¶12869553**
ISCJB	V	29 21 33 48.5–.32	63.90N–.02	22.30W–.03	4–2	4.5b,4.2s		
BJI	V	29 21 33 48.0	64.00N	22.00W	12	5.0b,4.7s		
MOS	V	29 21 33 48.9–1.2	63.79N	22.46W	10	4.9b,4.7s		
CSEM	V	29 21 33 49.4–.06	63.92N	22.27W	2	4.8W,4.7b		
REY	V	29 21 33 49.1	63.89N	22.34W	6	4.3L,4.0L		
IDC	V	29 21 33 49.5–.46	63.96N	22.41W	0	4.3,4.2		
NEIC	V	29 21 33 50.2–.13	63.92N	22.24W	5	4.9b,4.2		
GCMT	V	29 21 33 50.2–.30	63.82N	22.52W	13–2	4.8W,4.2		
SZGRF	V	29 21 33 57.6	64.29N	21.31W	33	4.7b,3.9s		

ISC Event type fe.
BGS Error ellipse: s-maj=121.5km s-min=289.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.0km az=18.3.
MOS Error ellipse: s-maj=9.5km s-min=6.2km az=124.5.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.8km az=21.0.
REY Event type ke.
IDC Error ellipse: s-maj=10.1km s-min=8.6km az=179.0.

NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=2.1km az=208.0. Felt at Reykjavik.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s16,c16; s68,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.50±.10 $M_{\theta\theta}$-0.25±.08; $M_{\phi\phi}$0.75±.09; $M_{r\theta}$0.52±.21; $M_{\theta\phi}$1.88±.08; $M_{\phi r}$-0.80±.26; Best double couple: NP1:ϕ_s259.00000°,δ65.00000°,λ-16.00000°. NP2:ϕ_s356.00000°,δ76.00000°,λ-154.00000°. Principal axes: T 2.2400,Plg7.0000° ,Azm126.0000°; N -0.0600,Plg61.0000°,Azm23.0000°; P -2.1800,Plg28.0000° ,Azm220.0000° $M_0$2.20000×10^{16}
SZGRF Iceland.

(238) Ryukyu Islands

ISC	**V**	**29 22 29 35.0–.61**	**26.22N–.05**	**127.53E–.04**	**62–4**	**4.2b**	**106**	**0-85**
NIED	V	29 22 29 00	26.30N	127.40E	44	4.2W		**¶13077422**
BJI	V	29 22 29 25.0	25.30N	128.30E	76	4.6b,4.2b		
ISCJB	V	29 22 29 33.2–.35	26.32N–.04	127.38E–.04	57–3	4.2b,3.3s		
JMA	V	29 22 29 33.9–.10	26.32N	127.36E	52–1	4.1,3.3s		
NEIC	V	29 22 29 35.0–.65	26.28N	127.37E	58–5	4.5b,4.2W		
IDC	V	29 22 29 36.1–3.2	26.37N	127.33E	64–28	4.0,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s5.00000°,δ61.00000°,λ62.00000°. NP2: ϕ_s232.00000°,δ39.00000°,λ130.00000°. $M_0$2.15000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=3.8km az=145.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.8km s-min=6.0km az=136.0. Felt at Nago and Okinawa, Okinawa. Recorded [2 JMA] on Okinawa and [1 JMA] on Aguni-jima and Kume-jima. Moment Tensor Solution. $M_0$2.20000×10^{15}
IDC Error ellipse: s-maj=22.4km s-min=17.6km az=81.0.

(248) Philippine Islands region

ISC	**V**	**30 03 14 18.0–.52**	**7.66N–.05**	**127.06E–.07**	**76–3**	**4.4b**	**132**	**2-122**
MAN	V	30 03 14 10	7.73N	127.21E	17	7.0L,4.8b		**¶15155602**
AUST	V	30 03 14 14.0	7.49N	127.52E	35	7.0L,4.8b		
ISCJB	V	30 03 14 16.5–1.0	7.65N–.04	127.05E–.07	77–8	4.3b,4.8b		
NEIC	V	30 03 14 19.0–1.2	7.67N	126.93E	86–11	4.4b,4.8b		
IDC	V	30 03 14 19.3–2.0	7.68N	126.89E	87–17	4.1,4.0b		

ISC Event type fe.
MAN Event type fe. INTENSITY II - TAGASAKA HINATUAN SURIGAO DEL SUR.
ISCJB Event type fe. Error ellipse: s-maj=12.3km s-min=5.5km az=162.9.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=6.0km az=75.0. Felt [II PIVS] at Hinatuan and Tagasaka. Also felt at Davao.
IDC Error ellipse: s-maj=21.7km s-min=10.4km az=79.0.

(228) Near east coast of eastern Honshu

ISC	**V**	**30 03 57 49.0–1.8**	**36.59N–.05**	**141.31E–.08**	**16–11**	**3.7b**	**22**	**1-60**
IDC	V	30 03 57 47.6–2.1	36.23N	141.19E	0	3.7,3.6b		**¶13679943**
ISCJB	V	30 03 57 48.4–1.2	36.57N–.04	141.35E–.08	26–7	3.5b,3.6b		
JMA	V	30 03 57 50.8–.10	36.63N	141.19E	44–2	3.5,3.6b		
NIED	V	30 03 58 00	36.60N	141.20E	32	3.3W,3.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=55.4km s-min=21.7km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=6.8km az=7.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ89.00000°,λ77.00000°. NP2:ϕ_s293.00000°,δ13.00000°,λ176.00000°. $M_0$9.01000×10^{13}

(1) Central Alaska

ISC	**V**	**30 04 53 42.8–.87**	**64.75N–.02**	**148.13W–.02**	**12–6**		**54**	**0-62**
IDC	V	30 04 53 41.0–1.5	64.80N	148.23W	0	3.5,3.5b		**¶13679948**
ISCJB	V	30 04 53 42.8–.34	64.83N–.03	148.00W–.06	20–3	3.5b,3.5b		
NEIC	V	30 04 53 43.5	64.78N	148.02W	17	3.5L,3.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=10.7km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.4km az=148.2.
NEIC Event type fe. Felt [III] at Ester, Fairbanks, Fort Wainwright and North Pole. Also felt at Eielson AFB and Salcha. After AEIC.

(731) North of Honduras

ISC	**V**	**30 06 33 04.0–1.7**	**16.21N–.04**	**87.59W–.05**	**6–11**	**4.6b,3.6s**	**119**	**2-140**
CASC	V	30 06 32 43.7–2.4	17.84N	86.78W	35–999	4.7L,4.6		**¶12869572**
ISCJB	V	30 06 33 04.7–.26	16.29N–.02	87.54W–.04	10	4.4b,3.8s		
IDC	V	30 06 33 05.0–1.1	16.49N	87.40W	0	4.3L,4.2		
NEIC	V	30 06 33 05.5–.41	16.14N	87.71W	10	4.6b,4.2		
BJI	V	30 06 33 07.4	16.40N	87.60W	10	4.9s,4.5		

ISC Event type fe.
CASC Error ellipse: s-maj=42.1km s-min=23.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.3km az=9.9.
IDC Error ellipse: s-maj=31.9km s-min=17.6km az=41.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=6.6km az=79.0. Felt [IV] at San Pedro Sula. Also felt at Arizona, Choloma, La Ceiba, La Lima, Puerto Cortes and Utila. Felt [III] at Dangriga, Belize. Also felt at Belmopan and San Ignacio.

(637) Iceland region

ISC	**V**	**30 13 35 21.6–.72**	**63.92N–.03**	**22.23W–.02**	**8–4**	**4.3b,3.5s**	**227**	**0-99**
ISCJB	V	30 13 35 20.5–.28	63.93N–.02	22.24W–.04	10–1	4.2b,3.6s		**¶12871062**
CSEM	V	30 13 35 20.6–.14	63.94N	22.25W	2	4.4b,3.3s		
NEIC	V	30 13 35 21.0–.57	63.94N	22.27W	4–3	4.5b,3.3s		
IDC	V	30 13 35 21.4–.78	63.82N	22.62W	0	4.2L,4.0		
REY	V	30 13 35 21.0	63.91N	22.28W	7	4.3L,4.0L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=0.3.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=6.0.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=3.7km az=208.0. Felt at Reykjavik.
IDC Error ellipse: s-maj=29.8km s-min=14.8km az=32.0.
REY Event type ke.

(123) Northern Chile

ISC	**V**	**30 18 53 14.6–.58**	**22.15S–.05**	**70.00W–.07**	**70–4**	**4.1b**	**58**	**0-154**
ISCJB	V	30 18 53 13.9–.64	22.18S–.05	70.02W–.09	77–4	3.9b		**¶13679987**
NEIC	V	30 18 53 15.7	22.12S	69.91W	66	3.4b		
IDC	V	30 18 53 15.4–.62	22.14S	69.73W	71–5	3.8,3.7		
GUC	V	30 18 53 15.7–.71	22.12S	69.91W	66–3	4.3L,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.0km s-min=7.3km az=159.9.
NEIC Event type fe. Felt [III] at Maria Elena and Tocopilla. After GUC.
IDC Error ellipse: s-maj=20.0km s-min=17.6km az=88.0.
GUC Error ellipse: s-maj=2.1km s-min=3.1km az=-1.0.

(235) Kyushu

ISC	**V**	**30 21 49 02.3–1.0**	**32.57N–.04**	**129.96E–.04**	**7–7**	**3.3b**	**21**	**0-58**
IDC	V	30 21 49 00.4–1.0	32.48N	130.00E	0	3.3,3.2		**¶13679997**
NIED	V	30 21 49 00	32.60N	130.00E	11	3.6W,3.2		
ISCJB	V	30 21 49 01.1–.65	32.53N–.04	129.93E–.05	15–3	3.1b,3.2		
JMA	V	30 21 49 01.8	32.57N	129.96E	13–1	3.7,3.2		

ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=11.0km az=137.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s321.00000°,δ87.00000°,λ-10.00000°. NP2:ϕ_s51.00000°,δ80.00000°,λ-176.00000°. $M_0$2.76000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=5.1km az=44.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s53.00000°,δ77.00000°,λ-151.00000°. NP2:ϕ_s316.00000°,δ62.00000°,λ-15.00000°. Principal axes: T Plg10.0000°,Azm182.0000°; N Plg58.0000°,Azm76.0000°; P Plg30.0000° ,Azm278.0000°

(236) Shikoku

JMA	**V**	**31 00 36 26.0**	**33.95N**	**134.70E**	**41–1**	**3.5**		
NIED	V	31 00 36 00	34.00N	134.70E	32	3.4W		**¶14484092**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s162.00000°,δ79.00000°,λ-158.00000°. NP2:ϕ_s67.00000°,δ69.00000°,λ-12.00000°. Principal axes: T Plg7.0000°,Azm293.0000°; N Plg66.0000°,Azm187.0000°; P Plg23.0000° ,Azm26.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s69.00000°,δ74.00000°,λ-22.00000°. NP2:ϕ_s165.00000°,δ69.00000°,λ-162.00000°. $M_0$1.46000×10^{14}

(613) Hawaiian Islands

NEIC	**V**	**31 01 55 27.0**	**19.35N**	**155.32W**	**26**	**3.5L**		**¶14649165**

NEIC Event type fe. Felt [II] at Kailua Kona, Volcano and Waimea. Also felt at Hilo and Honoka'a. After HVO.

(266) Northern Molucca Sea

ISC	**V**	**31 03 34 30.7–.35**	**1.73N–.03**	**125.98E–.03**	**107–2**	**5.2b**	**648**	**1-168**
MOS	V	31 03 34 21.4–1.0	1.88N	125.83E	35	5.5b		**¶12870892**
BJI	V	31 03 34 25.9	1.31N	126.04E	119	5.1b,4.9b		
ISCJB	V	31 03 34 28.5–.28	1.81N–.02	126.02E–.02	106–2	5.2b,4.9b		
GCMT	V	31 03 34 28.6–.30	1.78N	125.97E	81–3	4.8W,4.9b		
NEIC	V	31 03 34 28.9–.98	1.79N	125.91E	91–8	5.1b,4.9b		
IDC	V	31 03 34 29.6–1.3	1.74N	125.94E	97–11	4.8,4.8		
DJA	V	31 03 34 31.1–.20	2N–2.0	126E–1.0	96–3	5.6,5.5b		
TEH	V	31 03 34 32.0	1.71N	125.89E	124	5.1L,5.5b		

ISC Event type fe.
MOS Error ellipse: s-maj=10.5km s-min=5.0km az=117.4.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.2km az=144.4.
GCMT Event type se. Data Used: II IC IU G. Moment Tensor Solution. s31,c33; s62,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}1.68±.11 $M_{\theta\theta}$-1.41±.13; $M_{\phi\phi}$-0.27±.16; $M_{r\theta}$0.53±.07; $M_{\theta\phi}$-0.87±.13; $M_{\phi r}$1.16±.08; Best double couple: NP1:ϕ_s261.00000°,δ33.00000°,λ124.00000°. NP2:ϕ_s42.00000°,δ63.00000°,λ70.00000°. Principal axes: T 2.2200,Plg66.0000° ,Azm275.0000°; N -0.0600,Plg18.0000°,Azm51.0000°; P -2.1700,Plg16.0000° ,Azm146.0000° $M_0$2.20000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=64.0. Felt [III] at Bitung and Manado, Indonesia.
IDC Error ellipse: s-maj=14.0km s-min=6.7km az=79.0.

(227) Eastern Honshu

ISC	**V**	**31 13 40 20.0–1.2**	**39.07N–.03**	**140.96E–.03**	**1–11**		**19**	**0-63**
ISCJB	V	31 13 40 19.4–.52	39.09N–.03	140.96E–.04	6–6	3.4b		**¶13680035**
JMA	V	31 13 40 19.6	39.10N	140.94E	6–1	3.1		
IDC	V	31 13 40 19.2–1.8	38.90N	141.25E	0	3.4,3.3		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.7km az=173.8.
JMA Event type fe.
IDC Error ellipse: s-maj=46.2km s-min=31.6km az=108.0.

(159) North Island

WEL	**V**	**31 14 31 04.4–.05**	**39.04S**	**175.73E**	**5**	**2.8L**		
NEIC	V	31 14 31 04.5	39.04S	175.72E	6	3.8L		**¶14277292**

WEL Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=90.0.
NEIC Event type fe. Felt [IV] at Turangi. After WEL.

(159) North Island

WEL	**V**	**31 14 31 07.0–.13**	**39.04S**	**175.74E**	**7–2**	**3.8L**		**¶14277293**

WEL Event type fe. Error ellipse: s-maj=1.2km s-min=0.9km az=90.0. Felt from Taupo to King Country, maximum reported intensity MM 5.

(135) Near coast of central Chile

ISC	**V**	**31 14 40 11.4–.95**	**29.74S–.03**	**71.2W–.10**	**43–11**		**35**	**1-153**
NEIC	V	31 14 40 09.9	29.76S	71.18W	34	4.0L		**¶13680039**
GUC	V	31 14 40 09.9–.32	29.76S	71.18W	34–2	4.0L,4.0		
ISCJB	V	31 14 40 10.6–.73	29.75S–.04	71.2W–.20	56–11	3.4b,4.0		
IDC	V	31 14 40 12.1–4.3	29.82S	71.21W	55–34	3.9L,3.6		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Coquimbo, La Higuera and La Serena. After GUC.
GUC Error ellipse: s-maj=1.2km s-min=7.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=22.1km s-min=5.1km az=8.1.
IDC Error ellipse: s-maj=67.7km s-min=35.4km az=105.0.

(228) Near east coast of eastern Honshu

ISC	**V**	**31 15 33 04.0–.30**	**37.78N–.03**	**141.62E–.03**	**61–1**	**4.9b**	**583**	**1-156**
MOS	V	31 15 32 59.4–.76	37.74N	141.58E	35	5.2b		**¶12870905**
SZGRF	V	31 15 33 00.6	37.96N	142.95E	33	5.1b,3.8s		
NIED	V	31 15 33 00	37.80N	141.70E	65	4.6W,3.8s		
ISCJB	V	31 15 33 03.6–.36	37.79N–.02	141.59E–.03	68–2	4.7b,3.8s		
BJI	V	31 15 33 04.4	37.89N	141.22E	62	4.7b,4.7b		
IDC	V	31 15 33 04.2–.34	37.81N	141.52E	61–2	4.6,4.5		
NEIC	V	31 15 33 04.2–.17	37.82N	141.55E	61	5.0b,4.5		
JMA	V	31 15 33 04.0	37.78N	141.63E	59–1	4.6,4.5		

ISC Event type fe.
MOS Error ellipse: s-maj=9.0km s-min=4.2km az=109.1.
SZGRF Off east coast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ67.00000°,λ106.00000°. NP2:ϕ_s161.00000°,δ28.00000°,λ57.00000°. $M_0$9.61000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=35.8.
IDC Error ellipse: s-maj=10.8km s-min=8.2km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.5km az=145.0. Felt at Ichinoseki. Recorded [3 JMA] in Fukushima and Miyagi; [2 JMA] in Ibaraki and Iwate; [1 JMA] in Tochigi and Yamagata.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s3.00000°,δ79.00000°,λ101.00000°. NP2:ϕ_s138.00000°,δ16.00000°,λ46.00000°. Principal axes: T Plg55.0000°,Azm287.0000°; N Plg11.0000°,Azm181.0000°; P Plg33.0000° ,Azm84.0000°

(117) Southern Peru

ISC	**VI**	**01 00 53 31.3–1.1**	**17.07S–.07**	**71.23W–.08**	**83**	**3.7b**	**11**	**1-149**
ISCJB	VI	01 00 53 31.2–.83	17.15S–.06	71.28W–.08	83	3.7b		**¶13680070**
NEIC	VI	01 00 53 31.7–1.1	16.95S	71.17W	96–22	3.9		
IDC	VI	01 00 53 33.2–6.1	17.92S	70.81W	45–46	3.8,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=7.4km az=150.2.
NEIC Event type fe. Error ellipse: s-maj=17.2km s-min=13.7km az=223.0. Felt [II] at Torata.
IDC Error ellipse: s-maj=58.8km s-min=44.4km az=167.0.

(92) Leeward Islands

ISC	**VI**	**01 04 35 10.6–.40**	**19.55N–.04**	**63.47W–.03**	**43–3**	**4.7b,4.0s**	**295**	**1-163**
ISCJB	VI	01 04 35 08.7–.54	19.57N–.03	63.46W–.02	48–6	4.6b,4.0s		**¶12870919**
GCMT	VI	01 04 35 09.5–.30	19.91N	63.55W	19–1	5.0W,4.0s		
NEIC	VI	01 04 35 09.9–.46	19.57N	63.48W	41–5	4.8b,4.6		
RSPR	VI	01 04 35 09.9	19.80N	63.56W	25–16	4.7,4.6		
IDC	VI	01 04 35 10.7–.41	19.50N	63.40W	43–4	4.2,4.2		
BJI	VI	01 04 35 10.3	19.60N	63.40W	40	5.2b,4.2		
SZGRF	VI	01 04 35 20.3	20.67N	62.09W	33	5.0b,4.1s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.2km az=15.0.
GCMT Event type se. Data Used: II G CN IC IU. Moment Tensor Solution. s22,c25; s75,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.56±.18 $M_{\theta\theta}$3.99±.15; $M_{\phi\phi}$-3.43±.15; $M_{r\theta}$-0.07±.25; $M_{\theta\phi}$-2.08±.10; $M_{\phi r}$0.94±.33; Best double couple: NP1:ϕ_s240.00000°,δ78.00000°,λ-173.00000°. NP2:ϕ_s149.00000°,δ83.00000°,λ-12.00000°. Principal axes: T 4.5500,Plg4.0000° ,Azm195.0000°; N -0.3600,Plg76.0000°,Azm299.0000°; P -4.1900,Plg14.0000° ,Azm104.0000° $M_0$4.40000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.3km az=204.0. Felt at Cul de Sac, Saint Martin and on Saint Thomas, U.S. Virgin Islands.
RSPR Event type ke.
IDC Error ellipse: s-maj=9.4km s-min=7.2km az=85.0.
SZGRF North Atlantic Ocean.

(1) Central Alaska

ISC	**VI**	**01 05 35 36.7–.79**	**64.77N–.03**	**148.09W–.03**	**13–5**	**4.0b**	**81**	**0-65**
ISCJB	VI	01 05 35 36.4–.32	64.82N–.02	148.04W–.05	20–2	3.8b,2.8s		**¶13439852**
IDC	VI	01 05 35 37.3–2.9	64.72N	147.95W	16–15	3.8,3.7b		
NEIC	VI	01 05 35 37.2	64.79N	148.03W	15	4.3b,3.9L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.6km az=27.8.
IDC Error ellipse: s-maj=27.8km s-min=14.9km az=42.0.
NEIC Event type fe. Felt [III] at Fairbanks and Fort Wainwright and [II] at North Pole. Also felt at Clear, Eielson AFB, Ester, Healy and Nenana. After AEIC.

(80) Panama-Costa Rica border region

ISC	**VI**	**01 05 51 32.5–.89**	**9.52N–.06**	**82.49W–.04**	**38–2**	**3.9b,3.5s**	**45**	**1-143**
IDC	VI	01 05 51 26.3–2.0	9.31N	82.68W	0	4.3L,4.2		**¶13680090**
NEIC	VI	01 05 51 27.0–.78	9.19N	82.72W	10	4.7L,4.4b		
CASC	VI	01 05 51 30.3–2.5	9.63N	82.46W	19–17	4.7,4.4b		
ISCJB	VI	01 05 51 31.2–.70	9.62N–.06	82.45W–.04	34–10	3.7b,3.4s		

ISC Event type fe.
NEIC Event type fe. Felt at Buenos Aires and Palmital, Costa Rica.
ISCJB Event type fe.

(248) Philippine Islands region

ISC	**VI**	**01 05 56 55.0–.47**	**13.91N–.04**	**120.00E–.05**	**57**	**4.2b**	**72**	**1-93**
ISCJB	VI	01 05 56 53.9–.31	13.90N–.03	119.93E–.04	57	4.2b		**¶13439853**
MAN	VI	01 05 56 54	13.92N	119.94E	55	4.8b,3.8s		
IDC	VI	01 05 56 58.1–.84	13.95N	120.43E	90–7	4.0,3.9		
NEIC	VI	01 05 56 58.2–.56	13.97N	120.46E	91–5	4.2b,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.2km az=165.5.
MAN Event type fe. INTENSITY II - LUBANG OCCIDENTAL MINDORO.

IDC Error ellipse: s-maj=23.0km s-min=10.6km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=5.1km az=73.0. Felt [II PIVS] on Lubang Island.

(383) Northwestern Balkan Peninsula

ISC	VI	01 08 03 39.6–.80	41.28N–.01	22.70E–.01	5–5	4.1b,3.4s	756	0-94
BEO	VI	01 08 03 35.3–.61	40.99N	22.93E	0	4.1L,3.4s	¶12906404	
ISCJB	VI	01 08 03 38.6–.28	41.29N–.01	22.69E–.01	8–2	4.1b,3.4s		
PDG	VI	01 08 03 38.9–.65	41.27N	22.74E	2–1	3.7L,3.4s		
IDC	VI	01 08 03 38.9–.67	41.27N	22.69E	0	4.1,4.0		
SKO	VI	01 08 03 38.9	41.28N	22.70E	10	3.8L,3.3		
SOF	VI	01 08 03 38.5	41.27N	22.73E	5	4.0,3.3		
MOS	VI	01 08 03 38.0–1.1	41.27N	22.57E	10	4.2b,3.3		
CSEM	VI	01 08 03 39.4–.08	41.27N	22.69E	2	4.1b,2.7s		
ATH	VI	01 08 03 39.1	41.26N	22.71E	19–0	4.1,3.8L		
THE	VI	01 08 03 39.6	41.27N	22.71E	2–1	4.3L,3.8L		
NEIC	VI	01 08 03 39.6	41.27N	22.71E	2	4.3L,4.2b		
PDA	VI	01 08 03 40.9	41.20N	22.80E	10	4.4b,4.2b		
PRU	VI	01 08 03 41.0	41.28N	22.78E	0	4.2,4.2b		
SZGRF	VI	01 08 03 44.0	41.48N	22.80E	10	4.2b,4.2b		
TIR	VI	01 08 03 50.5	41.39N	22.60E	23	4.2L,4.2b		

ISC Event type fe.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=35.6.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
IDC Error ellipse: s-maj=12.4km s-min=10.6km az=159.0.
MOS Error ellipse: s-maj=4.7km s-min=3.3km az=103.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=23.0.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=234.0.
NEIC Event type fe. Felt at Strumica. Also felt at Kilkis, Greece and at Sofia, Bulgaria. After THE.
SZGRF Northwestern Balkan Peninsula.

(460) Wyoming

ISC	VI	01 18 17 32.4–.66	43.51N–.01	105.33W–.02	0		133	0-20
IDC	VI	01 18 17 30.3–2.9	43.30N	105.28W	0	3.6,3.4	¶13680123	
ISCJB	VI	01 18 17 32.4–.19	43.52N–.01	105.34W–.02	0	3.6,3.4		
NEIC	VI	01 18 17 32.9–.49	43.58N	105.21W	0	3.1L,3.4		

ISC Event type sm.
IDC Error ellipse: s-maj=60.2km s-min=9.7km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.4km az=164.4.
NEIC Event type fm. Error ellipse: s-maj=6.7km s-min=6.0km az=190.0. 85 km [50 miles] SSE of Gillette. Suspected Mining explosion.

(186) Vanuatu Islands

ISC	VI	01 21 25 27.3–.33	17.90S–.04	167.82E–.05	71–2	4.9b	434	4-167
SZGRF	VI	01 21 25 14.0	20.55S	169.15E	33	4.9b	¶12872801	
IDC	VI	01 21 25 17.8–.43	17.81S	167.90E	0	4.8,4.8		
MOS	VI	01 21 25 22.9–1.1	17.72S	167.72E	40	5.3b,4.8		
NEIC	VI	01 21 25 23.3–.17	17.73S	167.79E	35	5.0b,4.8		
DJA	VI	01 21 25 23.3–.60	18S–6.0	168E–9.0	15	5.4b,4.9b		
BGS	VI	01 21 25 23.2–3.9	17.73S	167.79E	33	5.0b,4.9b		
ISCJB	VI	01 21 25 25.6–.21	17.85S–.04	167.79E–.05	70	4.8b,4.9b		
GCMT	VI	01 21 25 26.1–.20	17.72S	167.68E	20–0	5.2W,4.9b		
BJI	VI	01 21 25 26.0	17.69S	168.03E	74	5.0s,5.0b		

ISC Event type fe.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=15.0km s-min=12.7km az=102.0.
MOS Error ellipse: s-maj=9.7km s-min=8.4km az=32.3.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=5.0km az=142.0. Felt at Port-Vila.
BGS Error ellipse: s-maj=716.3km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.4km az=31.8.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s73,c102; s86,c142; Moment tensor: Scale 10^{16}Nm; M_{rr}5.50±.17 $M_{\theta\theta}$0.32±.12; $M_{\phi\phi}$-5.82±.13; $M_{r\theta}$2.05±.25; $M_{\theta\phi}$0.62±.08; $M_{\phi r}$-4.37±.23; Best double couple: NP1:ϕ_s7.00000°,δ27.00000°,λ113.00000°. NP2:ϕ_s162.00000°,δ65.00000°,λ79.00000°. Principal axes: T 7.4200,Plg68.0000° ,Azm51.0000°; N 0.0900,Plg10.0000°,Azm166.0000°; P -7.5200,Plg20.0000°,Azm260.0000° M_o7.50000×10^{16}

(186) Vanuatu Islands

ISC	VI	02 02 17 06.0–.21	17.81S–.03	168.01E–.04	32	6.2s,5.6b	1102	4-168
SZGRF	VI	02 02 16 57.9	20.31S	169.69E	33	6.3b,5.6b	¶13439868	
BGS	VI	02 02 16 59.0–7.5	17.76S	167.95E	10	6.1s,5.6b		
IDC	VI	02 02 17 01.0–.34	17.80S	167.93E	0	6.1,6.1s		
BJI	VI	02 02 17 01.9	17.52S	168.38E	18	6.3s,6.2b		
LDG	VI	02 02 17 02.8–.10	17.63S	167.68E	10	6.1s,5.9b		
NEIC	VI	02 02 17 03.5–.10	17.76S	167.95E	15	6.3W,6.2s		
ISCJB	VI	02 02 17 04.8–.14	17.78S–.02	167.90E–.03	32	6.2s,5.5b		
MOS	VI	02 02 17 06.6–1.0	17.54S	167.88E	37	6.1s,5.5b		
TEH	VI	02 02 17 07.0	17.76S	167.88E	40	6.5L,5.5b		
GCMT	VI	02 02 17 11.8–.10	17.73S	167.64E	20–0	6.3W,5.5b		
DJA	VI	02 02 17 13.1–1.5	18S–4.0	168E–9.0	85–15	6.3b,6.0		

ISC Event type de.
SZGRF Vanuatu Islands.
LDG Event type ke.
NEIC Event type de. Four people injured, some buildings damaged, utilities disrupted and landslides occurred on Tongoa. Felt [III] at Port-Vila. Also felt at Lakatoro, Luganville and Norsup. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s165.00000°,δ75.00000°,λ90.00000°. NP2:ϕ_s345.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm75.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000° ,Azm255.0000° Moment Tensor Solution. M_o6.50000×10^{18}
ISCJB Event type de.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 110 sta. Surface waves: sta=126, comp=305, per= 50. Moment Tensor Solution. s121,c309; s99,c207; Moment tensor: Scale 10^{18}Nm; M_{rr}2.85±.02 $M_{\theta\theta}$0.21±.02; $M_{\phi\phi}$-3.06±.02; $M_{r\theta}$0.98±.04; $M_{\theta\phi}$0.35±.01; $M_{\phi r}$-2.76±.04; Best double couple: NP1:ϕ_s5.00000°,δ24.00000°,λ109.00000°. NP2:ϕ_s164.00000°,δ67.00000°,λ82.00000°. Principal axes: T 4.1000,Plg67.0000° ,Azm60.0000°; N 0.1600,Plg7.0000°,Azm167.0000°; P -4.2600,Plg22.0000°,Azm260.0000° M_o4.20000×10^{18}

(186) Vanuatu Islands

ISC	VI	02 02 55 14.9–.43	17.86S–.05	167.94E–.06	35–2	5.1s,5.0b	404	4-166
SZGRF	VI	02 02 55 05.8	20.97S	169.43E	33	5.1s,5.0b	¶13439871	
IDC	VI	02 02 55 09.5–.41	17.85S	167.98E	0	5.0,5.0s		
ISCJB	VI	02 02 55 11.0–2.8	17.83S–.05	167.87E–.05	16–19	5.1s,4.9b		
DJA	VI	02 02 55 11.5–.60	18S–8.0	170E–13	10	5.6,5.6b		
MOS	VI	02 02 55 13.3–1.3	17.77S	167.84E	30	5.3b,5.6b		
NEIC	VI	02 02 55 14.8–1.5	17.78S	167.89E	34–10	5.1b,5.6b		
BJI	VI	02 02 55 15.9	17.70S	167.80E	35	5.6s,5.2		
GCMT	VI	02 02 55 17.9–.30	17.77S	167.57E	28–1	5.5W,5.2		

ISC Event type fe.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=15.8km s-min=13.2km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=7.6km az=150.8.
MOS Error ellipse: s-maj=9.8km s-min=8.7km az=175.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.5km az=149.0. Felt at Lakatoro and Port-Vila.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s27,c41; s62,c99; Moment tensor: Scale 10^{17}Nm; M_{rr}1.46±.10 $M_{\theta\theta}$0.14±.06; $M_{\phi\phi}$-1.61±.07; $M_{r\theta}$0.50±.13; $M_{\theta\phi}$0.29±.04; $M_{\phi r}$-1.43±.10; Best double couple: NP1:ϕ_s360.00000°,δ24.00000°,λ105.00000°. NP2:ϕ_s163.00000°,δ67.00000°,λ84.00000°. Principal axes: T 2.0900,Plg67.0000° ,Azm62.0000°; N 0.1600,Plg6.0000°,Azm166.0000°; P -2.2600,Plg22.0000°,Azm258.0000° M_o2.20000×10^{17}

(139) Mendoza Province

ISC	VI	02 03 52 21.6–.44	32.71S–.03	69.11W–.03	29–2	4.8b	289	1-174
MOS	VI	02 03 52 21.2–.88	32.75S	68.92W	33	4.9b	¶12872819	
ISCJB	VI	02 03 52 21.5–.51	32.77S–.03	68.95W–.04	39–4	5.2s,4.8b		
GUC	VI	02 03 52 21.6–.58	32.70S	69.13W	19–2	4.6L,4.8b		
NEIC	VI	02 03 52 21.6–.17	32.71S	69.01W	26	4.9b,4.6L		
BJI	VI	02 03 52 22.9	32.60S	68.80W	26	5.4s,5.2b		
IDC	VI	02 03 52 25.0–1.5	32.73S	69.02W	53–12	4.4,4.4		

ISC Event type fe.
MOS Error ellipse: s-maj=14.1km s-min=8.1km az=97.9.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=19.1.
GUC Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.4km az=118.0. Felt [IV] at Mendoza. Felt [II] at Maipo, Melipilla and Santiago, Chile. Also felt at Vina del Mar.
IDC Error ellipse: s-maj=15.6km s-min=9.7km az=91.0.

(72) Honduras

ISC	VI	02 06 43 40.7–.28	15.45N–.03	86.47W–.04	10	4.9b,4.2s	351	2-149
IDC	VI	02 06 43 39.0–.59	15.39N	86.52W	0	5.5L,4.8	¶12872824	
ISCJB	VI	02 06 43 39.5–.18	15.46N–.02	86.39W–.02	10	4.8b,4.3s		
MOS	VI	02 06 43 39.4–1.0	15.45N	86.40W	10	5.1b,4.3s		
BJI	VI	02 06 43 41.2	15.50N	86.40W	10	5.4b,5.1s		
NEIC	VI	02 06 43 41.0–.19	15.42N	86.41W	10	5.0b,5.1s		
CASC	VI	02 06 43 43.3–2.2	15.49N	86.90W	0–17	5.0b,4.6L		
GCMT	VI	02 06 43 45.1–.20	15.69N	86.42W	17–0	5.1W,4.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=23.7km s-min=10.9km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=3.3km az=140.7.
MOS Error ellipse: s-maj=10.7km s-min=5.1km az=103.7.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=221.0. Felt [IV] at Utila; [III] at Roatan and Valle de Angeles; [II] at La Ceiba, San Pedro Sula, Sandy Bay and Tegucigalpa. Also felt at Cerro Grande, El Progreso, Jutiapa, La Masica, Mateo, Olanchito, Piedras Amarillas, Puerto Cortes, Sambo Creek, Santa Lucia, Santa Rosa de Copan, Siguatepeque and Yuscaran. Felt [III] at Belize City, Belize. Also felt at Dangriga. Felt at San Luis, Guatemala and at Ocotal, Nicaragua.
CASC Error ellipse: s-maj=22.6km s-min=10.8km az=-1.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s28,c32; s80,c122; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.21±.34 $M_{\theta\theta}$2.03±.19; $M_{\phi\phi}$4.19±.25; $M_{r\theta}$2.58±.62; $M_{\theta\phi}$2.19±.13; $M_{\phi r}$0.48±.59; Best double couple: NP1:ϕ_s20.00000°,δ38.00000°,λ-112.00000°. NP2:ϕ_s227.00000°,δ55.00000°,λ-74.00000°. Principal axes: T 5.8300,Plg9.0000° ,Azm305.0000°; N 1.1300,Plg13.0000°,Azm37.0000°; P -6.9500,Plg74.0000°,Azm183.0000° M_o6.40000×10^{16}

(230) Near south coast of eastern Honshu

ISC	VI	02 10 37 27.8–1.2	34.50N–.04	139.42E–.04	5–8	3.8b,3.2s	31	0-93
NIED	VI	02 10 37 00	34.50N	139.40E	5	4.0W,3.2s	¶15431767	
IDC	VI	02 10 37 26.8–.65	34.47N	139.36E	0	3.9,3.9L		
ISCJB	VI	02 10 37 27.9–.70	34.51N–.03	139.40E–.05	14–4	3.7b,3.1s		
JMA	VI	02 10 37 28.5	34.54N	139.40E	14–1	3.4,3.1s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ82.00000°,λ40.00000°. NP2:ϕ_s94.00000°,δ50.00000°,λ170.00000°. M_o1.11000×10^{15}
IDC Error ellipse: s-maj=22.8km s-min=12.7km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.7km az=154.4.
JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	VI	02 12 34 40.6–.88	36.94N–.05	141.66E–.05	34–2	4.3b,3.5s	111	1-147
NIED	VI	02 12 34 00	37.00N	141.70E	23	4.1W,3.5s	¶13439880	
MOS	VI	02 12 34 37.9–1.2	36.88N	141.90E	33	4.5b,3.5s		
ISCJB	VI	02 12 34 38.3–.94	36.91N–.03	141.74E–.05	28–6	4.3b,3.5s		
JMA	VI	02 12 34 39.5–.10	36.95N	141.66E	38–3	4.4,3.5s		
NEIC	VI	02 12 34 40.9–.33	36.88N	141.75E	35	4.6b,4.1W		
IDC	VI	02 12 34 42.4–2.1	36.88N	141.72E	50–19	4.1,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s225.00000°,δ80.00000°,λ-86.00000°. NP2:ϕ_s25.00000°,δ10.00000°,λ-110.00000°. M_o1.72000×10^{15}
MOS Error ellipse: s-maj=10.4km s-min=8.0km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.7km az=11.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=6.0km az=148.0. Recorded [2 JMA] in Fukushima and Ibaraki; [1 JMA] in Miyagi, Tochigi and Yamagata. Moment Tensor Solution. M_o1.70000×10^{15}
IDC Error ellipse: s-maj=17.1km s-min=12.8km az=106.0.

(340) Turkmenistan

ISC	VI	02 14 39 35.3–.21	40.27N–.03	53.01E–.02	53–1	4.8b,4.1s	1298	2-118
BJI	VI	02 14 39 30.0	40.36N	52.46E	44	4.9b,4.9b	¶13439883	
THR	VI	02 14 39 31.5–.77	40.28N	52.92E	15	5.7L,4.9b		
MOS	VI	02 14 39 32.6–.97	40.36N	53.03E	38	5.1b,4.9b		
ISCJB	VI	02 14 39 33.5–.27	40.30N–.02	53.03E–.02	49–3	4.8b,4.1s		
IDC	VI	02 14 39 35.8–.37	40.32N	52.94E	55–2	4.4,4.3		
CSEM	VI	02 14 39 35.2–.07	40.29N	53.04E	53	5.0W,4.9b		
NEIC	VI	02 14 39 35.2–.16	40.28N	53.02E	52	5.0b,4.9b		
PDA	VI	02 14 39 35.2	40.29N	52.99E	50	4.9b,4.9b		
TEH	VI	02 14 39 36.4	40.15N	52.95E	23	5.6L,4.9b		
AZER	VI	02 14 39 37.1	40.00N	52.50E	195	5.6L,4.9b		
DJA	VI	02 14 39 38.5–1.5	40N–12	53E–8.0	61–15	5.3b,5.1b		
NSSC	VI	02 14 39 38.0–2.8	39.82N	52.58E	0–999	5.3b,5.1b		
GCMT	VI	02 14 39 38.2–.20	40.27N	52.99E	59–1	5.0W,5.1b		
NNC	VI	02 14 39 41.2–.97	41.03N	53.97E	0	5.2b,5.1b		
SZGRF	VI	02 14 39 42.4	39.50N	51.02E	33	4.9b,3.8s		

ISC Event type fe.
THR Error ellipse: s-maj=13.0km s-min=6.7km az=-1.0.
MOS Error ellipse: s-maj=4.7km s-min=3.2km az=38.6.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.7km az=20.0.
IDC Error ellipse: s-maj=10.2km s-min=6.1km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.6km az=41.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=171.0. Felt at Balkanabat and Celeken.
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c57; s77,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.50±.15 $M_{\theta\theta}$-2.72±.13; $M_{\phi\phi}$4.23±.10; $M_{r\theta}$2.26±.10; $M_{\theta\phi}$1.27±.09; $M_{\phi r}$-0.67±.09; Best double couple: NP1:ϕ_s229.00000°,δ63.00000°,λ-26.00000°. NP2:ϕ_s331.00000°,δ67.00000°,λ-150.00000°. Principal axes: T 4.4700,Plg3.0000° ,Azm99.0000°; N 0.2200,Plg53.0000°,Azm5.0000°; P -4.6800,Plg36.0000°,Azm191.0000° M_o4.60000×10^{16}
NNC Error ellipse: s-maj=8.7km s-min=7.7km az=136.0.
SZGRF Caspian Sea.

(228) Near east coast of eastern Honshu

ISC	VI	02 14 39 59.6–1.9	36.96N–.04	141.76E–.06	6–11	3.6b	36	1-97
IDC	VI	02 14 39 58.7–.88	36.81N	142.07E	0	3.9,3.8	¶13680229	
ISCJB	VI	02 14 40 00.2–1.1	36.97N–.03	141.79E–.06	19–7	3.7b,3.8		
NIED	VI	02 14 40 00	37.00N	141.70E	32	3.6W,3.8		
JMA	VI	02 14 40 02.8–.20	36.96N	141.62E	49–3	3.9,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=18.2km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.6km az=13.3.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ89.00000°,λ-99.00000°. NP2:ϕ_s132.00000°,δ9.00000°,λ-4.00000°. M_o2.53000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(127) Chile-Argentina border region

ISC	VI	02 15 44 58.8–1.0	34.90S–.03	69.53W–.05	9–7		68	1-152
GUC	VI	02 15 44 59.6–.58	34.88S	69.58W	9–3	3.9L,3.8	¶13680236	
NEIC	VI	02 15 44 59.6	34.88S	69.58W	9	3.9L,3.6b		
IDC	VI	02 15 45 03.2–6.7	34.70S	69.29W	30–45	4.0L,3.7		

ISC Event type fe.
GUC Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
NEIC Event type fe. Felt [IV] at San Rafael. After GUC.
IDC Error ellipse: s-maj=63.7km s-min=28.7km az=115.0.

(186) Vanuatu Islands

ISC	VI	02 16 01 36.8–.34	17.94S–.05	167.82E–.07	32	4.8b,4.1s	226	4-166
SZGRF	VI	02 16 01 26.9	20.43S	169.42E	25	4.8b,4.1s	¶13439885	
IDC	VI	02 16 01 31.8–.50	17.82S	167.81E	0	4.6,4.6		
ISCJB	VI	02 16 01 35.1–.25	17.95S–.04	167.76E–.05	32	4.8b,4.1s		
MOS	VI	02 16 01 35.7–1.3	17.81S	167.72E	33	4.9b,4.0s		
NEIC	VI	02 16 01 37.1–.19	17.87S	167.81E	35	4.9b,4.0s		
GCMT	VI	02 16 01 40.7–.30	17.82S	167.53E	26–0	5.0W,4.0s		
BJI	VI	02 16 01 41.8	18.00S	167.70E	70	4.9b,4.8s		

ISC Event type fe.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=16.4km s-min=14.1km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.9km az=12.3.
MOS Error ellipse: s-maj=11.1km s-min=9.3km az=20.1.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=5.2km az=143.0. Felt at Port-Vila.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s37,c42; s75,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}3.07±.17 $M_{\theta\theta}$-0.17±.11; $M_{\phi\phi}$-2.90±.11; $M_{r\theta}$0.76±.24; $M_{\theta\phi}$0.31±.08; $M_{\phi r}$-2.29±.17; Best double couple: NP1:ϕ_s0.00000°,δ26.00000°,λ102.00000°.

NP2:ϕ_s166.00000°,δ64.00000°,λ84.00000°. Principal axes: T 3.9400,Plg70.0000° ,Azm64.0000°; N -0.1800,Plg5.0000°,Azm169.0000°; P -3.7600,Plg19.0000°,Azm261.0000° $M_0$3.90000×10^{16}

(34) Off coast of northern California

NEIC	**VI**	**02 17 04 40.1**	**40.45N**	**125.82W**	**8**	**3.5W**		**¶14931208**

NEIC Event type fe. Felt at Arcata and McKinleyville. After NCEDC. Moment Tensor Solution. $M_0$2.00000×10^{14}

(186) Vanuatu Islands

ISC	**VI**	**02 18 16 19.0–.44**	**17.98S–.05**	**167.81E–.09**	**32**	**4.5b,4.0s**	**112**	**4-166**
IDC	VI	02 18 16 13.9–.77	17.95S	167.88E	0	4.4,4.3		¶12886821
ISCJB	VI	02 18 16 17.6–.34	17.99S–.04	167.75E–.07	32	4.5b,4.0s		
BJI	VI	02 18 16 19.7	18.01S	167.88E	51	4.8s,4.8b		
NEIC	VI	02 18 16 21.3–1.4	17.96S	167.73E	54–13	4.6b,4.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=27.2km s-min=17.3km az=130.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=5.8km az=14.7.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=8.8km az=166.0. Felt at Port-Vila.

(116) Central Peru

ISC	**VI**	**02 21 37 05.2–.40**	**14.75S–.06**	**73.40W–.07**	**107–3**	**4.6b**	**186**	**4-172**
ISCJB	VI	02 21 37 01.1–.97	14.74S–.05	73.42W–.06	82–9	4.6b		¶12886824
NEIC	VI	02 21 37 03.0–.70	14.76S	73.35W	84–6	4.7b		
BJI	VI	02 21 37 03.4	14.70S	73.30W	88	5.5s,5.2b		
IDC	VI	02 21 37 05.1–.49	14.79S	73.34W	105–4	4.3,4.3		
GCMT	VI	02 21 37 10.1–.40	14.80S	73.60W	101–3	4.9W,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.9km az=140.5.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=4.3km az=57.0. Felt [II] at Puquio. Also felt at Coracora.
IDC Error ellipse: s-maj=16.4km s-min=10.0km az=65.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s25,c26; s58,c76; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.52±.09 $M_{\theta\theta}$0.03±.10; $M_{\phi\phi}$2.49±.11; $M_{r\theta}$0.37±.08; $M_{\theta\phi}$-1.36±.13; $M_{\phi r}$0.33±.11; Best double couple: NP1:ϕ_s323.00000°,δ45.00000°,λ-108.00000°. NP2:ϕ_s169.00000°,δ48.00000°,λ-73.00000°. Principal axes: T 3.1000,Plg2.0000° ,Azm246.0000°; N -0.4700,Plg13.0000°,Azm337.0000°; P -2.6300,Plg77.0000° ,Azm149.0000° $M_0$2.90000×10^{16}

(235) Kyushu

ISC	**VI**	**02 23 54 29.1–1.7**	**31.63N–.05**	**131.7E–.10**	**40–14**	**3.3b**	**17**	**0-55**
ISCJB	VI	02 23 54 28.5–1.1	31.62N–.04	131.8E–.10	48–8	3.2b		¶13680262
JMA	VI	02 23 54 28.9–.10	31.62N	131.73E	44–1	3.4		
IDC	VI	02 23 54 29.1–5.6	30.88N	129.83E	0	3.5,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=15.2km s-min=7.5km az=179.8.
JMA Event type fe.
IDC Error ellipse: s-maj=286.0km s-min=23.5km az=63.0.

(286) Flores region

ISC	**VI**	**03 18 16 11.6–.35**	**8.45S–.03**	**122.07E–.04**	**18–1**	**5.2b,4.1s**	**312**	**0-153**
BJI	VI	03 18 16 07.2	8.50S	122.10E	5	5.1b,5.1b		¶12892941
IDC	VI	03 18 16 08.7–.39	8.33S	121.90E	0	5.0,5.0L		
ISCJB	VI	03 18 16 09.5–.20	8.42S–.03	122.17E–.03	18	5.1b,4.2s		
MOS	VI	03 18 16 11.9–1.1	8.29S	122.05E	33	5.3b,4.2s		
DJA	VI	03 18 16 13.4–.40	8S–3.0	122E–2.0	10	5.4b,5.3b		
NEIC	VI	03 18 16 14.0–1.1	8.41S	122.03E	39–10	5.1b,5.3b		
GCMT	VI	03 18 16 14.9–.20	8.39S	122.09E	16–0	5.0W,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=17.6km s-min=10.0km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.7km az=156.0.
MOS Error ellipse: s-maj=13.2km s-min=6.8km az=109.7.
NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=5.8km az=64.0. Felt [III] at Maumere.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s43,c59; s63,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}3.23±.16 $M_{\theta\theta}$-3.01±.10; $M_{\phi\phi}$-0.22±.12; $M_{r\theta}$-0.57±.27; $M_{\theta\phi}$-1.29±.07; $M_{\phi r}$-1.61±.36; Best double couple: NP1:ϕ_s87.00000°,δ39.00000°,λ121.00000°. NP2:ϕ_s229.00000°,δ57.00000°,λ67.00000°. Principal axes: T 3.8700,Plg69.0000° ,Azm91.0000°; N -0.1600,Plg19.0000°,Azm242.0000°; P -3.7100,Plg10.0000° ,Azm335.0000° $M_0$3.80000×10^{16}

(478) Utah

ISC	**VI**	**03 21 47 01.4–.62**	**41.77N–.02**	**112.12W–.02**	**7–4**	**4.0b**	**165**	**0-93**
NEIC	VI	03 21 47 01.0	41.80N	112.21W	8	4.0L		¶12895854
IDC	VI	03 21 47 01.8–.63	41.78N	112.05W	0	4.7s,4.7		

ISC Event type fe.
NEIC Event type fe. Felt [V] at Fielding; [IV] at Garland and Plymouth; [III] at Collinston, Corinne, Deweyville, Mendon, Providence, Smithfield and Tremonton; [II] at Brigham City, Clarkston, Logan and Richmond. Also felt at Cornish, Honeyville, Hyde Park, Magna, Portage, Salt Lake City, South Jordan, Trenton, Wellsville and Willard. Felt [II] at Preston, Idaho. Also felt at Blackfoot, Clifton, Malad City and Weston. After SLC.
IDC Error ellipse: s-maj=18.6km s-min=6.2km az=155.0.

(207) Eastern New Guinea region

ISC	**VI**	**04 01 03 43.9–.30**	**6.02S–.03**	**146.59E–.04**	**53–2**	**5.2b,4.8s**	**419**	**3-154**
BJI	VI	04 01 03 36.3	6.28S	147.21E	43	5.3b,5.1b		¶12895857
MOS	VI	04 01 03 40.4–.91	5.95S	146.44E	36	5.4b,4.6s		
IDC	VI	04 01 03 40.4–1.9	5.96S	146.58E	24–11	4.9,4.9		
ISCJB	VI	04 01 03 42.0–.77	6.03S–.03	146.62E–.03	52–7	5.2b,4.8s		
NEIC	VI	04 01 03 44.2–.85	6.03S	146.52E	58–8	5.3b,4.8s		
GCMT	VI	04 01 03 46.4–.10	6.21S	146.54E	41–0	5.4W,4.8s		
DJA	VI	04 01 03 47.2–.50	6S–3.0	147E–4.0	71–5	6.2,5.9		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Goroka and Lae.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s86,c149; s91,c162; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s252.00000°,δ30.00000°,λ40.00000°. NP2:ϕ_s127.00000° ,δ71.00000°,λ114.00000°. Principal axes: T 1.3200,Plg57.0000°,Azm68.0000° ; N 0.0800,Plg23.0000°,Azm299.0000°; P -1.4000,Plg23.0000°,Azm199.0000° $M_0$1.40000×10^{17}

(232) Western Honshu

JMA	**VI**	**04 08 39 02.0**	**35.15N**	**135.93E**	**15**	**2.7**		**¶15432496**

JMA Event type fe.

(221) Kuril Islands

ISC	**VI**	**04 10 23 17.8–.53**	**43.79N–.05**	**147.37E–.05**	**46–4**	**4.0b**	**92**	**1-152**
NIED	VI	04 10 23 00	43.70N	147.30E	50	4.1W		¶12952827
MOS	VI	04 10 23 16.5–1.1	43.76N	147.40E	53	4.3b		
JMA	VI	04 10 23 17.7–.20	43.65N	147.27E	29	4.3		
ISCJB	VI	04 10 23 17.1–.70	43.77N–.05	147.36E–.06	55–6	4.0b,3.1s		
IDC	VI	04 10 23 17.9–.53	43.83N	147.31E	45–4	3.9,3.9		
SKHL	VI	04 10 23 18.9–.10	43.85N	147.50E	67–13	4.8b,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s182.00000°,δ70.00000°,λ59.00000°. NP2:ϕ_s62.00000°,δ37.00000°,λ144.00000°. $M_0$1.45000×10^{15}
MOS Error ellipse: s-maj=11.9km s-min=8.3km az=78.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.9km az=138.9.
IDC Error ellipse: s-maj=16.1km s-min=11.1km az=150.0.

(232) Western Honshu

JMA	**VI**	**04 13 27 33.4**	**35.15N**	**135.93E**	**15**	**2.9**		**¶15432587**

JMA Event type fe.

(303) Kashmir-India border region

ISC	**VI**	**04 13 50 58.5–1.2**	**32.83N–.03**	**76.05E–.04**	**17–8**	**3.9b**	**105**	**0-85**
IDC	VI	04 13 50 55.7–.94	32.80N	76.15E	0	4.1,4.0L		¶13680417
ISCJB	VI	04 13 50 56.1–1.0	32.98N–.02	76.14E–.06	8–7	3.9b,2.5s		
NDI	VI	04 13 50 56.7–2.3	32.96N	76.07E	10	3.8L,3.8b		
NEIC	VI	04 13 50 57.7–.69	32.93N	76.18E	10	3.8b,3.8b		
MOS	VI	04 13 50 59.7–1.3	32.96N	76.01E	33	4.2b,3.8b		
NNC	VI	04 13 51 04.1–2.6	33.54N	75.76E	0	4.0b,3.8b		
BJI	VI	04 13 51 06.0	33.32N	77.14E	12	4.3b,4.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=23.0km s-min=17.5km az=44.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=3.3km az=166.1.
NDI Error ellipse: s-maj=8.0km s-min=9.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.5km s-min=10.1km az=48.0. Felt at Chamba.
MOS Error ellipse: s-maj=14.8km s-min=6.3km az=92.2.
NNC Error ellipse: s-maj=38.1km s-min=27.3km az=101.0.

(338) Caspian Sea

ISC	**VI**	**04 14 20 03.4–.33**	**40.74N–.03**	**50.65E–.02**	**31–2**	**4.7b,3.5s**	**670**	**1-98**
BJI	VI	04 14 19 57.0	40.83N	49.94E	22	4.9b,4.7s		¶13439908
IDC	VI	04 14 19 59.0–.51	40.61N	50.55E	0	4.6,4.6		
ISCJB	VI	04 14 20 01.2–.15	40.73N–.02	50.64E–.02	26	4.6b,3.6s		
THR	VI	04 14 20 01.2–.39	40.76N	50.59E	30–17	4.5L,3.6s		
MOS	VI	04 14 20 02.5–1.2	40.75N	50.63E	33	4.9b,3.6s		
PDA	VI	04 14 20 03.5	40.76N	50.55E	32	4.7b,3.6s		
NEIC	VI	04 14 20 03.7–1.4	40.71N	50.59E	33–10	4.9b,3.6s		
AZER	VI	04 14 20 03.8	40.61N	50.77E	51	4.9b,3.6s		
CSEM	VI	04 14 20 05.2–.20	40.70N	50.65E	51–2	4.5L,3.1s		
NNC	VI	04 14 20 10.1–5.0	41.02N	51.77E	0	4.5b,3.1s		

ISC Event type fe.
IDC Error ellipse: s-maj=12.9km s-min=7.6km az=169.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=171.1.
THR Error ellipse: s-maj=8.8km s-min=4.0km az=-1.0.
MOS Error ellipse: s-maj=5.2km s-min=3.6km az=43.2.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=3.1km az=173.0. Felt at Makhachkala, Russia.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=173.0.
NNC Error ellipse: s-maj=73.7km s-min=27.2km az=88.0.

(163) Cook Strait

ISC	**VI**	**04 14 33 12.0–.90**	**41.10S–.03**	**174.55E–.03**	**56–5**		**179**	**0-147**
ISCJB	VI	04 14 33 11.3–.28	41.15S–.03	174.54E–.04	66–4	3.4b		¶13680476
IDC	VI	04 14 33 11.2–2.6	41.00S	174.53E	42–32	3.5,3.4		
NEIC	VI	04 14 33 13.8	41.08S	174.59E	44	4.3L,3.4		
WEL	VI	04 14 33 13.4–.05	41.06S	174.54E	44–0	4.0L,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.3km az=38.9.
IDC Error ellipse: s-maj=71.1km s-min=17.0km az=134.0.
NEIC Event type fe. Felt from Wellington to Marlborough. After WEL.
WEL Event type fe. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0. Felt from Wellington to Marlborough, maximum reported intensity MM 5.

(186) Vanuatu Islands

ISC	**VI**	**04 17 10 06.1–.34**	**17.76S–.04**	**167.78E–.05**	**20–2**	**5.2b,5.1s**	**523**	**4-166**
SZGRF	VI	04 17 10 00.4	20.62S	169.32E	33	5.2b,5.1s		¶13439910
IDC	VI	04 17 10 03.0–.45	17.71S	167.81E	0	4.9,4.9		
NEIC	VI	04 17 10 03.7–3.0	17.74S	167.76E	6–18	5.5W,5.2b		
BJI	VI	04 17 10 04.5	17.35S	167.89E	13	5.4b,5.3s		
ISCJB	VI	04 17 10 04.1–1.7	17.77S–.03	167.74E–.05	15–10	5.2s,5.1b		
NOU	VI	04 17 10 06.3–1.2	17.70S	168.21E	30	4.1,3.5L		
MOS	VI	04 17 10 07.9–1.5	17.57S	167.56E	33	5.6s,5.5b		
DJA	VI	04 17 10 11.3–1.6	18S–5.0	168E–7.0	41–14	5.5b,5.3		
GCMT	VI	04 17 10 11.0–.20	17.61S	167.60E	19–0	5.6W,5.3		

ISC Event type fe.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=17.3km s-min=13.0km az=104.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=6.4km az=177.0. Felt [III] at Port-Vila. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.41 $M_{\theta\phi}$0.05 $M_{\phi r}$-2.18 Best double couple: NP1:ϕ_s356.00000°,δ12.00000°,λ96.00000°. NP2:ϕ_s170.00000°,δ78.00000°,λ89.00000°. Principal axes: T 2.5500,Plg56.0000° ,Azm78.0000°; N -0.2700,Plg1.0000°,Azm170.0000°; P -2.2800,Plg33.0000°,Azm260.0000° $M_0$2.40000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=4.9km az=10.2.
NOU Error ellipse: s-maj=20.0km s-min=52.8km az=-1.0.
MOS Error ellipse: s-maj=9.8km s-min=8.4km az=114.8.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 92, comp=154, per= 50. Moment Tensor Solution. s76,c134; s34,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}1.96±.04 $M_{\theta\theta}$0.00±.03; $M_{\phi\phi}$-1.96±.03; $M_{r\theta}$1.11±.08; $M_{\theta\phi}$0.36±.03; $M_{\phi r}$-1.45±.08; Best double couple: NP1:ϕ_s5.00000°,δ27.00000°,λ120.00000°. NP2:ϕ_s152.00000°,δ67.00000°,λ76.00000°. Principal axes: T 2.7700,Plg65.0000°,Azm37.0000°; N -0.1400,Plg13.0000°,Azm158.0000° ; P -2.6300,Plg20.0000°,Azm253.0000° $M_0$2.70000×10^{17}

(709) Southeastern Afghanistan

ISC	**VI**	**04 17 10 31.7–2.1**	**34.1N–.10**	**69.1E–.10**	**10**		**23**	**0-64**
NEIC	VI	04 17 10 29.3–3.3	33.92N	68.93E	10	3.0b		¶13680418
IDC	VI	04 17 10 35.0–3.1	34.55N	68.74E	0	3.6,3.6		
NNC	VI	04 17 10 38.0–9.7	34.82N	68.34E	0	3.6b,3.4		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=35.6km s-min=23.9km az=1.0. Felt [II] at Kabul.
IDC Error ellipse: s-maj=79.4km s-min=21.8km az=135.0.
NNC Error ellipse: s-maj=103.1km s-min=67.4km az=152.0.

(72) Honduras

ISC	**VI**	**05 00 41 15.1–.32**	**15.56N–.04**	**86.42W–.05**	**35**	**4.7b,3.7s**	**268**	**2-146**
IDC	VI	05 00 41 09.6–.54	15.50N	86.32W	0	4.6,4.5		¶12925405
ISCJB	VI	05 00 41 13.3–.18	15.49N–.02	86.34W–.03	33	4.6b,3.8s		
NEIC	VI	05 00 41 15.0–.17	15.46N	86.37W	35	4.7b,3.8s		
CASC	VI	05 00 41 17.3–2.5	15.29N	86.77W	0–17	4.7b,4.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=22.1km s-min=11.3km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.4km az=160.9.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.7km az=48.0. Felt at Danli, El Porvenir, Germania, La Ceiba, Puerto Cortes, Rio Esteban, Sambo Creek and Tegucigalpa.
CASC Error ellipse: s-maj=30.1km s-min=17.7km az=-1.0.

(72) Honduras

ISC	**VI**	**05 01 12 18.6–.41**	**15.52N–.05**	**86.38W–.07**	**35**	**4.1b,3.5s**	**85**	**2-149**
IDC	VI	05 01 12 13.7–.63	15.49N	86.26W	0	5.0L,4.2		¶12925406
ISCJB	VI	05 01 12 17.0–.30	15.45N–.03	86.37W–.05	33	4.1b,3.7s		
NEIC	VI	05 01 12 18.1–2.3	15.42N	86.43W	29–17	4.2b,3.7s		
CASC	VI	05 01 12 51.0–1.6	15.75N	89.54W	0–15	4.2b,3.0		

ISC Event type fe.
IDC Error ellipse: s-maj=26.4km s-min=13.3km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=5.0km az=172.3.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=5.6km az=64.0. Felt at La Ceiba and Olanchito.
CASC Error ellipse: s-maj=23.3km s-min=20.1km az=-1.0.

(329) Eastern Kazakhstan

ISC	**VI**	**05 03 30 19.8–.55**	**49.36N–.04**	**83.43E–.05**	**10**	**4.3b**	**111**	**2-75**
ISCJB	VI	05 03 30 17.7–.37	49.38N–.03	83.41E–.05	10	4.3b		¶13321222
ASRS	VI	05 03 30 21.1–.88	49.30N	84.01E	15	4.0s		
IDC	VI	05 03 30 21.3–1.1	49.39N	83.82E	30–4	4.2L,4.1		
MOS	VI	05 03 30 22.6–2.7	49.33N	83.15E	33	4.1b,4.1		
NEIC	VI	05 03 30 22.1–.61	49.33N	83.45E	26–4	3.9b,4.1		
NNC	VI	05 03 30 23.3–1.4	49.18N	83.09E	7–7	4.6b,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.9km az=22.9.
IDC Error ellipse: s-maj=17.3km s-min=9.1km az=81.0.
MOS Error ellipse: s-maj=10.2km s-min=6.8km az=72.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=7.6km az=135.0. Felt [IV] at Oskemen.
NNC Error ellipse: s-maj=11.6km s-min=4.9km az=72.0.

(224) Hokkaido region

ISC	**VI**	**05 03 30 33.4–.24**	**41.81N–.02**	**143.55E–.02**	**34–0**	**6.4s,6.0b**	**1966**	**0-162**
NIED	VI	05 03 30 00	41.70N	143.70E	29	6.4W,6.0b		¶13195092
IDC	VI	05 03 30 28.2–.31	41.81N	143.57E	0	6.3,6.3s		
BJI	VI	05 03 30 29.5	41.80N	143.70E	36	6.6s,6.5b		
MOS	VI	05 03 30 32.4–.79	41.79N	143.46E	36	6.4s,6.2b		
ISCJB	VI	05 03 30 33.1–.22	41.76N–.01	143.48E–.02	43–1	6.4s,6.0b		
JMA	VI	05 03 30 33.8–.10	41.81N	143.62E	31–2	6.4,6.0b		
NEIC	VI	05 03 30 33.1–.08	41.82N	143.45E	29	6.4W,6.3s		
SZGRF	VI	05 03 30 34.8	42.57N	144.21E	29	6.6s,6.2b		
TEH	VI	05 03 30 35.0	41.86N	143.40E	42	6.3L,6.2b		
DJA	VI	05 03 30 36.2–2.5	42N–12	144E–16	66–22	6.5b,6.3		
GCMT	VI	05 03 30 37.6–.10	41.70N	143.72E	32–0	6.3W,6.3		
NSSC	VI	05 03 30 38.3–2.5	40.19N	139.25E	5–999	6.3W,6.3		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ73.00000°,λ86.00000°. NP2:ϕ_s214.00000°,δ17.00000°,λ103.00000°. $M_0$4.11000×10^{18}
IDC Error ellipse: s-maj=8.2km s-min=7.5km az=157.0.
MOS Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=104.2. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.

ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=41.1.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s21.00000°,δ72.00000°,λ100.00000°. NP2: ϕ_s171.00000°,δ21.00000°,λ61.00000°. Principal axes: T Plg62.0000°,Azm307.0000° ; N Plg10.0000°,Azm198.0000°; P Plg26.0000°,Azm103.0000°
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=151.0. Felt [II] at Sapporo. Also felt at Obihiro and Shiraoi. Felt [II] at Misawa, Honshu. Also felt at Goshogawara and Kizukuri. Felt [II] at Yuzhno-Kuril'sk, Kuril Islands. Recorded [4 JMA] in southern Hokkaido, [3 JMA] in southwestern Hokkaido, [2 JMA] in central and eastern Hokkaido and [1 JMA] in northern Hokkaido. Also recorded [3 JMA] in Aomori, [2 JMA] in Iwate and Miyagi and [1 JMA] in Akita, Honshu. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ80.00000°,λ90.00000°. NP2: ϕ_s210.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm300.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm120.0000° Moment Tensor Solution. s126 Moment tensor: Scale 10^{18}Nm; M_{rr}1.68 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-0.95 $M_{r\theta}$1.22 $M_{\theta\phi}$-0.65 $M_{\phi r}$2.42 Best double couple: NP1:ϕ_s29.00000°,δ75.00000°,λ85.00000°. NP2:ϕ_s228.00000° ,δ16.00000°,λ108.00000°. Principal axes: T 3.2600,Plg59.0000°,Azm291.0000° ; N -0.2400,Plg4.0000°,Azm30.0000°; P -3.0200,Plg29.0000°,Azm122.0000° $M_0$3.10000×10^{18} Moment Tensor Solution. M_w4.10000×10^{18} Moment Tensor Solution. M_w4.60000×10^{18}
SZGRF Hokkaido, Japan, region.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Surface waves: sta=117, comp=275, per= 50. Moment Tensor Solution. s113,c276; s98,c154; Moment tensor: Scale 10^{18}Nm; M_{rr}1.87±.02 $M_{\theta\theta}$-0.52±.01; $M_{\phi\phi}$-1.34±.02; $M_{r\theta}$1.69±.03; $M_{\theta\phi}$-1.20±.01; $M_{\phi r}$2.80±.05; Best double couple: NP1:ϕ_s221.00000°,δ16.00000°,λ99.00000°. NP2:ϕ_s32.00000°,δ74.00000°,λ87.00000°. Principal axes: T 3.6900,Plg61.0000° ,Azm298.0000°; N 0.3300,Plg3.0000°,Azm32.0000°; P -4.0100,Plg29.0000°,Azm124.0000° $M_0$3.90000×10^{18}
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(472) New York

ISC	VI	05 15 07 51.9–1.1	42.84N–.02	78.26W–.02	8–9		78	0-5
ISCJB	VI	05 15 07 50.6–.46	42.89N–.02	78.23W–.02	0–4			¶12933398
OTT	VI	05 15 07 52.8–.30	42.86N	78.25W	18	3.4		
NEIC	VI	05 15 07 52.0	42.83N	78.25W	5	2.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=12.2.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0. 56km east from Fort Erie, On Attica Seismic Zone. Possible blast.
NEIC Event type fe. Felt [IV] at Darien Center; [III] at Attica and Warsaw; [II] at Alden, Alexander and Varysburg. Also felt at Akron, Bowmansville, Buffalo, Cowlesville, Dale, Dunkirk, Lancaster, Lockport, North Java and Strykersville. After LDO.

(533) United Kingdom

ISC	VI	05 19 42 06.4–.76	51.57N–.02	3.58W–.02	13–6		198	1-9
CSEM	VI	05 19 42 05.7–.14	51.55N	3.55W	5	3.2L		¶12938951
BGS	VI	05 19 42 07.1–1.2	51.62N	3.65W	6–6	2.9L		
LDG	VI	05 19 42 07.3–.26	51.58N	3.59W	6	3.5,3.2L		
NEIC	VI	05 19 42 07.1	51.64N	3.65W	8	3.0L,3.2L		

ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=74.0.
BGS Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=123.0.
NEIC Event type fe. Felt [III] at Bridgend and Maesteg. Also felt at Kenfig, North Cornelly, Port Talbot and other parts of South Wales. After BGS.

(233) Near south coast of western Honshu

ISC	VI	05 20 51 40.9–1.2	34.08N–.04	135.76E–.03	43–9		33	0-57
ISCJB	VI	05 20 51 39.8–.51	34.08N–.03	135.74E–.03	52–6	3.6b		¶13680575
JMA	VI	05 20 51 40.4	34.07N	135.74E	48–1	3.3		
IDC	VI	05 20 51 40.4–1.2	34.01N	135.78E	91–21	3.2,3.1		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.2km az=173.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s37.00000°,δ73.00000°,λ-160.00000°. NP2:ϕ_s301.00000°,δ70.00000°,λ-18.00000°. Principal axes: T Plg2.0000°,Azm169.0000°; N Plg64.0000°,Azm75.0000°; P Plg26.0000° ,Azm260.0000°
IDC Error ellipse: s-maj=26.5km s-min=9.7km az=8.0.

(186) Vanuatu Islands

ISC	VI	05 21 16 60.0–.34	17.54S–.04	167.82E–.04	34–1	5.3s,5.2b	572	5-169
IDC	VI	05 21 16 54.2–.37	17.48S	167.78E	0	5.1,5.1s		¶13439937
ISCJB	VI	05 21 16 55.4–1.5	17.50S–.03	167.67E–.04	15–10	5.3s,5.1b		
NEIC	VI	05 21 16 55.6–.17	17.43S	167.72E	7	5.7W,5.7W		
BGS	VI	05 21 16 56.0–3.6	17.43S	167.72E	10	5.4s,5.7W		
NOU	VI	05 21 16 57.2–.65	17.46S	168.23E	30	4.0,3.4s		
MOS	VI	05 21 16 59.2–1.4	17.35S	167.59E	33	5.5b,5.1s		
BJI	VI	05 21 17 01.4	16.92S	167.83E	41	5.3s,5.3b		
DJA	VI	05 21 17 02.7–2.3	17S–7.0	168E–10	70–27	5.5b,5.0		
GCMT	VI	05 21 17 02.4–.10	17.42S	167.60E	20–0	5.7W,5.0		

ISC Event type fe.
IDC Error ellipse: s-maj=12.7km s-min=10.9km az=135.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.1km az=4.1.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.9km az=131.0. Felt [III] at Port-Vila. Also felt at Lakatoro. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}2.69 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-2.41 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.18 $M_{\phi r}$-2.91 Best double couple: NP1:ϕ_s351.00000° ,δ21.00000°,λ81.00000°. NP2:ϕ_s181.00000°,δ69.00000°,λ93.00000°. Principal axes: T 4.0200,Plg65.0000°,Azm96.0000°; N -0.2900,Plg3.0000°,Azm359.0000° ; P -3.7300,Plg24.0000°,Azm267.0000° $M_0$3.90000×10^{17}
BGS Error ellipse: s-maj=777.6km s-min=999.9km az=-1.0.
NOU Error ellipse: s-maj=15.7km s-min=39.6km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=7.1km az=44.3.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=232, per= 50. Moment Tensor Solution. s107,c204; s65,c70; Moment tensor: Scale 10^{17}Nm; M_{rr}2.88±.04 $M_{\theta\theta}$0.13±.03; $M_{\phi\phi}$-3.01±.03; $M_{r\theta}$0.77±.06; $M_{\theta\phi}$0.37±.02; $M_{\phi r}$-2.24±.07; Best double couple: NP1:ϕ_s2.00000°,δ27.00000°,λ104.00000°. NP2:ϕ_s166.00000°,δ64.00000°,λ83.00000°. Principal axes: T 3.7400,Plg70.0000°,Azm61.0000°; N 0.1200,Plg6.0000°,Azm169.0000° ; P -3.8600,Plg19.0000°,Azm261.0000° $M_0$3.80000×10^{17}

(218) Near east coast of Kamchatka Peninsula

ISC	VI	06 04 15 26.2–.22	54.55N–.02	161.65E–.02	41–1	5.2b,4.7s	1116	0-162
DJA	VI	06 04 15 21.8–1.1	55N–12	162E–23	10	5.7b,5.3b		¶13195283
BJI	VI	06 04 15 21.3	54.83N	161.09E	7	4.9s,4.8b		
BGS	VI	06 04 15 23.5–2.0	54.18N	161.45E	34–999	5.1b,4.8b		
TEH	VI	06 04 15 23.0	54.67N	161.40E	10	5.2L,4.8b		
MOS	VI	06 04 15 26.5–.99	54.60N	161.58E	52	5.3b,4.7s		
NEIC	VI	06 04 15 26.3–.12	54.66N	161.45E	34	5.2b,4.7s		
IDC	VI	06 04 15 26.5–.42	54.67N	161.46E	35–3	4.8,4.8		
KRSC	VI	06 04 15 27.3–.40	54.53N	161.68E	40–20	5.3L,4.8		
ISCJB	VI	06 04 15 27.8–.24	54.58N–.02	161.53E–.03	66–2	5.0b,4.8		
SZGRF	VI	06 04 15 28.7	55.00N	162.25E	36	5.5b,4.3s		
GCMT	VI	06 04 15 32.2–.20	54.51N	162.06E	42–0	5.2W,4.3s		

ISC Event type fe.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=6.8km s-min=3.3km az=90.3. Felt (II-III)at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=169.0. Felt [III] at Petropavlovsk-Kamchatskiy.
IDC Error ellipse: s-maj=11.2km s-min=8.6km az=149.0.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=141.5.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s83,c125; s72,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}6.43±.19 $M_{\theta\theta}$-0.51±.15; $M_{\phi\phi}$-5.92±.15; $M_{r\theta}$2.79±.16; $M_{\theta\phi}$-3.65±.12; $M_{\phi r}$2.12±.15; Best double couple: NP1:ϕ_s192.00000°,δ35.00000°,λ67.00000°. NP2:ϕ_s40.00000°,δ58.00000°,λ105.00000°. Principal axes: T 7.4700,Plg72.0000° ,Azm347.0000°; N 0.9700,Plg13.0000°,Azm212.0000°; P -8.4300,Plg12.0000° ,Azm119.0000° $M_0$8.00000×10^{16}

(731) North of Honduras

ISC	VI	06 04 37 37.7–2.1	16.30N–.03	87.69W–.04	15–13	4.6b,4.3s	160	2-145
CASC	VI	06 04 37 34.5–4.5	16.50N	87.69W	20–999	4.8,4.7L		¶12938960
IDC	VI	06 04 37 36.3–.84	16.39N	87.43W	0	4.5L,4.3		
ISCJB	VI	06 04 37 36.7–1.3	16.29N–.02	87.56W–.04	15–10	4.5b,4.3s		
NEIC	VI	06 04 37 37.0–.33	16.17N	87.65W	10	4.7b,4.3s		
BJI	VI	06 04 37 39.0	16.20N	87.50W	20	5.2b,5.0s		
GCMT	VI	06 04 37 40.9–.20	16.38N	87.67W	15	5.0W,5.0s		

ISC Event type fe.
CASC Error ellipse: s-maj=62.6km s-min=30.9km az=-1.0.
IDC Error ellipse: s-maj=26.0km s-min=15.1km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.4km az=5.1.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=5.5km az=60.0. Felt [IV] at Utila and [II] at El Progreso, La Ceiba and San Pedro Sula. Also felt at Arizona, El Eden, Puerto Cortes, Roatan and San Manuel. Felt [II] at Belize City, Belize. Also felt at Dangriga and San Ignacio.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s28,c37; s74,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.19±.13 $M_{\theta\theta}$-3.21±.11; $M_{\phi\phi}$3.40±.13; $M_{r\theta}$-2.19±.38; $M_{\theta\phi}$1.95±.11; $M_{\phi r}$1.04±.38; Best double couple: NP1:ϕ_s57.00000°,δ66.00000°,λ-15.00000°. NP2:ϕ_s153.00000°,δ77.00000°,λ-155.00000°. Principal axes: T 3.9900,Plg7.0000° ,Azm283.0000°; N 0.9600,Plg62.0000°,Azm179.0000°; P -4.9500,Plg27.0000°,Azm17.0000° M_w4.50000×10^{16}

(228) Near east coast of eastern Honshu

ISC	VI	06 05 52 42.7–.17	35.47N–.02	141.15E–.02	36–0	5.8b,5.5s	1072	0-166
NIED	VI	06 05 52 00	35.60N	141.40E	38	5.8W,5.5s		¶13195292
IDC	VI	06 05 52 38.1–.34	35.52N	141.01E	0	5.3,5.3		
BGS	VI	06 05 52 38.6–1.9	34.54N	141.06E	33	5.6s,5.6b		
BJI	VI	06 05 52 41.5	35.52N	141.01E	44	5.5s,5.5b		
JMA	VI	06 05 52 41.0–.10	35.54N	141.26E	42–1	5.9,5.5b		
ISCJB	VI	06 05 52 42.4–.34	35.42N–.02	140.99E–.02	40–2	5.7b,5.5s		
NEIC	VI	06 05 52 43.3–.08	35.48N	140.91E	34	5.8b,5.8W		
SZGRF	VI	06 05 52 44.0	36.38N	141.94E	28	6.1b,5.5s		
MOS	VI	06 05 52 44.7–.88	35.59N	140.98E	54	5.9b,5.4s		
GCMT	VI	06 05 52 45.7–.10	35.44N	141.09E	28–0	5.8W,5.4s		
TEH	VI	06 05 52 45.0	35.44N	140.93E	44	5.9L,5.4s		
DJA	VI	06 05 52 52.6–3.6	35N–20	141E–10	76–27	6.1b,5.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ63.00000°,λ-67.00000°. NP2:ϕ_s259.00000°,δ35.00000°,λ-128.00000°. M_w5.48000×10^{17}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s132.00000°,δ72.00000°,λ-69.00000°. NP2:ϕ_s261.00000°,δ28.00000°,λ-138.00000°. Principal axes: T Plg24.0000°,Azm206.0000°; N Plg20.0000°,Azm305.0000°; P Plg58.0000° ,Azm71.0000°
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Narita and [II] at Yokohama and Yokosuka. Also felt at Chiba, Inzai, Kawasaki, Kimitsu, Koshigaya, Miura, Mobara, Ryugasaki, Sagamihara, Tomisato, Yamato and Zama. Recorded [3 JMA] in Chiba and Ibaraki; [2 JMA] in Fukushima, Kanagawa, Miyagi, Saitama, Tochigi, Tokyo and Yamanashi; [1 JMA] in Gumma, Nagano, Niigata and Shizuoka. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ75.00000°,λ-90.00000°. NP2: ϕ_s315.00000°,δ15.00000°,λ-90.00000°. Principal axes: T Plg30.0000°,Azm225.0000° ; N Plg0.0000°,Azm0.0000°; P Plg60.0000°,Azm45.0000° Moment Tensor Solution. s77 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.94 $M_{\theta\theta}$3.07 $M_{\phi\phi}$-1.13 $M_{r\theta}$-1.40 $M_{\theta\phi}$-2.39 $M_{\phi r}$1.76 Best double couple: NP1:ϕ_s256.00000°,δ43.00000°,λ-153.00000°. NP2:ϕ_s145.00000° ,δ72.00000°,λ-50.00000°. Principal axes: T 4.7600,Plg16.0000°,Azm206.0000° ; N -1.3900,Plg37.0000°,Azm310.0000°; P -3.3800,Plg47.0000°,Azm97.0000° M_w4.20000×10^{17} Moment Tensor Solution. $M_0$5.50000×10^{17}
SZGRF Near east coast of eastern Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=250, per= 50. Moment Tensor Solution. s105,c214; s60,c63; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.14±.05 $M_{\theta\theta}$4.35±.04; $M_{\phi\phi}$-1.21±.04; $M_{r\theta}$-1.36±.08; $M_{\theta\phi}$-1.32±.03; $M_{\phi r}$3.18±.10; Best double couple: NP1:ϕ_s253.00000°,δ40.00000°,λ-144.00000°. NP2:ϕ_s134.00000°,δ68.00000°,λ-56.00000°. Principal axes: T 5.2200,Plg16.0000°,Azm199.0000°; N 0.2900,Plg32.0000°,Azm299.0000° ; P -5.5100,Plg54.0000°,Azm87.0000° $M_0$5.40000×10^{17}

(221) Kuril Islands

ISC	VI	06 10 37 53.8–.30	44.51N–.04	149.04E–.03	43–1	5.1b,4.5s	874	1-152
DJA	VI	06 10 37 47.5–1.3	45N–11	149E–23	10	5.7b,5.2		¶13195314
SKHL	VI	06 10 37 50.8–1.6	44.48N	149.44E	38–4	5.5b,5.5		
BJI	VI	06 10 37 51.1	44.53N	149.24E	47	5.0b,5.0b		
JMA	VI	06 10 37 51.4–.50	44.67N	149.16E	30	5.0,5.0b		
ISCJB	VI	06 10 37 52.9–.39	44.46N–.03	149.01E–.03	48–3	5.0b,4.5s		
MOS	VI	06 10 37 53.2–.85	44.50N	148.97E	50	5.3b,4.4s		
IDC	VI	06 10 37 54.3–.44	44.56N	148.99E	45–4	4.6,4.6		
NEIC	VI	06 10 37 54.1–.14	44.55N	148.95E	42	5.1b,4.6		
TEH	VI	06 10 37 55.0	44.54N	148.98E	41	4.9L,4.6		
GCMT	VI	06 10 37 56.6–.30	44.39N	149.27E	39–1	5.0W,4.6		
NIED	VI	06 10 38 00	44.80N	149.10E	35	4.9W,4.6		
SZGRF	VI	06 10 38 02.3	45.98N	148.64E	33	5.4b,4.2s		

ISC Event type se.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.7km az=154.6.
MOS Error ellipse: s-maj=6.6km s-min=4.0km az=107.9.
IDC Error ellipse: s-maj=11.3km s-min=9.7km az=142.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.5km az=158.0. Recorded [1 JMA] in eastern Hokkaido.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c42; s61,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}2.74±.18 $M_{\theta\theta}$-1.17±.12; $M_{\phi\phi}$-1.57±.12; $M_{r\theta}$0.70±.13; $M_{\theta\phi}$-2.15±.08; $M_{\phi r}$1.65±.10; Best double couple: NP1:ϕ_s237.00000°,δ32.00000°,λ113.00000°. NP2:ϕ_s30.00000°,δ60.00000°,λ76.00000°. Principal axes: T 3.3000,Plg71.0000° ,Azm269.0000°; N 0.6600,Plg12.0000°,Azm37.0000°; P -3.9600,Plg14.0000°,Azm131.0000° $M_0$3.60000×10^{16}
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ68.00000°,λ73.00000°. NP2: ϕ_s228.00000°,δ28.00000°,λ127.00000°. M_w2.91000×10^{16}
SZGRF Kuril Islands, Russia.

(25) Vancouver Island region

ISC	VI	06 11 00 17.8–.93	48.43N–.03	123.50W–.02	16–5		63	0-3
ISCJB	VI	06 11 00 17.3–.59	48.40N–.03	123.49W–.04	12–3			¶12948695
PNSN	VI	06 11 00 18.3	48.41N	123.47W	13	2.6		
PGC	VI	06 11 00 18.2–.01	48.40N	123.50W	2–0	2.2L		
NEIC	VI	06 11 00 18.2	48.40N	123.50W	2	2.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=171.2.
PNSN Moment Tensor Solution. NP1:ϕ_s160.00000°,δ60.00000° NP2:ϕ_s47.00000°,δ56.00000° Principal axes: T Plg48.0000°,Azm15.0000°; P Plg2.0000°,Azm283.0000° Moment Tensor Solution. NP1:ϕ_s235.00000°,δ65.00000° NP2:ϕ_s339.00000°,δ63.00000° Principal axes: T Plg38.0000°,Azm196.0000°; P Plg1.0000°,Azm287.0000°
PGC Event type fe. 10km Wsw of Victoria, Bc Vancouver Island Region Felt (II) around greater Victoria.
NEIC Event type fe. Felt [II] at Victoria. Felt from Sooke to Oak Bay. After PGC.

(731) North of Honduras

ISC	VI	06 11 53 48.8–.47	16.51N–.04	87.04W–.08	35	4.3b,3.6s	88	2-141
IDC	VI	06 11 53 41.7–1.1	16.17N	86.97W	0	4.2,4.1L		¶12939079
NEIC	VI	06 11 53 45.6–.48	16.36N	87.07W	10	4.5b,4.1L		
ISCJB	VI	06 11 53 47.8–.36	16.51N–.03	86.99W–.07	33	4.2b,3.9s		
CASC	VI	06 11 53 47.1–2.2	16.46N	86.68W	36–999	4.5b,4.4		

ISC Event type fe.
IDC Error ellipse: s-maj=29.8km s-min=20.8km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=7.9km az=63.0. Felt [III] at Utila and [II] at La Ceiba, Roatan and San Pedro Sula. Also felt at Cerro Grande, French Harbor and Tocoa. Felt at Belize City and Dangriga, Belize.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=3.6km az=6.3.
CASC Error ellipse: s-maj=65.3km s-min=30.4km az=-1.0.

(12) Alaska Peninsula

ISC	VI	06 12 21 41.2–.25	54.30N–.04	162.62W–.02	41–2	5.3b,4.7s	1023	1-160
MOS	VI	06 12 21 37.0–.96	54.34N	162.62W	19	5.6b,4.6s		¶13195322
BGS	VI	06 12 21 39.4–2.0	54.12N	163.32W	33	5.2b,4.6s		
ISCJB	VI	06 12 21 40.5–.30	54.26N–.03	162.62W–.02	46–2	5.2b,4.7s		
IDC	VI	06 12 21 40.5–.53	54.27N	162.74W	34–3	4.8,4.8		
BJI	VI	06 12 21 41.1	54.61N	163.25W	39	5.2b,5.2b		
NEIC	VI	06 12 21 41.8–.12	54.31N	162.63W	43	5.2b,5.2W		
GCMT	VI	06 12 21 42.6–.20	53.96N	162.35W	36–0	5.3W,5.2W		
SZGRF	VI	06 12 21 51.1	55.86N	162.94W	33	5.5b,4.6s		

ISC Event type fe.
MOS Error ellipse: s-maj=7.2km s-min=3.7km az=88.7.
BGS Error ellipse: s-maj=498.5km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.2km az=0.0.
IDC Error ellipse: s-maj=13.9km s-min=8.6km az=1.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=177.0. Felt at King Cove. Moment Tensor Solution. s44 Moment tensor: Scale 10^{16}Nm; M_{rr}5.48 $M_{\theta\theta}$-3.76 $M_{\phi\phi}$-1.72 $M_{r\theta}$3.56

$M_{\theta\phi}$-3.80 $M_{\theta r}$1.66 Best double couple: NP1:ϕ_s61.00000°,δ62.00000°,λ99.00000°. NP2: ϕ_s223.00000°,δ30.00000°,λ74.00000°. Principal axes: T 6.7100,Plg71.0000°,Azm350.0000° ; N 1.0800,Plg7.0000°,Azm236.0000°; P -7.7900,Plg16.0000°,Azm144.0000° M_{rr}7.30000×10^{16} Moment Tensor Solution. $M_0$9.40000×10^{16}

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s84,c141; s88,c165; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s238.00000°,δ26.00000°,λ89.00000°. NP2:ϕ_s59.00000° ,δ64.00000°,λ90.00000°. Principal axes: T 1.1000,Plg71.0000°,Azm330.0000° ; N 0.1100,Plg0.0000°,Azm239.0000°; P -1.2200,Plg19.0000°,Azm149.0000° $M_0$1.20000×10^{17}

SZGRF Alaska Peninsula, United States.

(228) Near east coast of eastern Honshu

ISC	**VI**	**06 19 38 23.9–2.4**	**36.54N–.04**	**141.51E–.06**	**14–14**	**3.9b,3.1s**	**52**	**1-147**	
NIED	VI	06 19 38 00	36.60N	141.50E	32	3.9W,3.1s			**¶13680694**
IDC	VI	06 19 38 21.8–.71	36.55N	141.54E	0	3.9,3.8			
NEIC	VI	06 19 38 26.9–1.2	36.62N	141.59E	35–10	4.3b,3.8			
JMA	VI	06 19 38 26.5–.10	36.57N	141.36E	48–2	3.8,3.8			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ86.00000°,λ-70.00000°. NP2:ϕ_s279.00000°,δ20.00000°,λ-168.00000°. $M_0$7.71000×10^{14}

IDC Error ellipse: s-maj=21.1km s-min=15.0km az=90.0.

NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.0km az=132.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VI**	**06 19 39 33.4–1.1**	**36.59N–.05**	**141.49E–.08**	**26**	**3.7b**	**24**	**1-60**	
IDC	VI	06 19 39 27.5–1.2	36.63N	142.14E	0	3.8,3.8			**¶13680695**
ISCJB	VI	06 19 39 32.3–.83	36.54N–.04	141.52E–.07	26	3.6b,3.8			
JMA	VI	06 19 39 34.6–.10	36.58N	141.35E	46–3	3.6,3.8			

ISC Event type ke.

IDC Error ellipse: s-maj=30.4km s-min=19.1km az=86.0.

ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=5.4km az=170.7.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(112) Peru-Brazil border region

ISC	**VI**	**06 21 51 21.6–.29**	**8.65S–.04**	**74.69W–.05**	**135–2**	**5.1b**	**665**	**4-168**	
BJI	VI	06 21 51 13.4	8.70S	74.70W	60	5.4b,5.3s			**¶12941953**
ISCJB	VI	06 21 51 19.2–.61	8.57S–.03	74.74W–.03	122–6	5.1b,5.3s			
MOS	VI	06 21 51 19.0–.86	8.52S	74.76W	119	5.4b,5.3s			
NEIC	VI	06 21 51 21.7–.13	8.63S	74.68W	134	5.2b,5.3s			
IDC	VI	06 21 51 21.8–.32	8.68S	74.72W	134–2	4.7,4.7			

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.1km az=38.8.

MOS Error ellipse: s-maj=8.2km s-min=5.4km az=93.4.

NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=46.0. Felt [III] at Pucallpa. Also felt at Campoverde, Laredo and Tingo Maria. Felt [II] at Ipixuna, Brazil. Also felt at Cruzeiro do Sul.

IDC Error ellipse: s-maj=9.2km s-min=7.4km az=80.0.

(285) Sumbawa region

ISC	**VI**	**07 05 25 25.3–.25**	**8.49S–.03**	**118.39E–.03**	**146–1**	**5.2b**	**787**	**2-167**	
MOS	VI	07 05 25 20.5–1.2	8.25S	118.36E	108	5.3b			**¶15155847**
AUST	VI	07 05 25 24.1–.17	8.58S	118.42E	123–0	5.3b			
BJI	VI	07 05 25 24.1	8.50S	118.40E	141	5.4b,5.2b			
IDC	VI	07 05 25 25.3–.96	8.37S	118.35E	142–7	4.8,4.8			
TEH	VI	07 05 25 25.0	8.52S	118.42E	142	5.1L,4.8			
ISCJB	VI	07 05 25 25.2–.29	8.50S–.02	118.37E–.02	162–2	5.1b,4.8			
NEIC	VI	07 05 25 25.7–.50	8.44S	118.39E	146–4	5.0b,4.8			
DJA	VI	07 05 25 26.5–.70	9S–17	118E–5.0	105–18	6.2,6.0b			
GCMT	VI	07 05 25 27.2–.20	8.60S	118.47E	146–1	5.2W,6.0b			

ISC Event type fe.

MOS Error ellipse: s-maj=9.5km s-min=5.7km az=113.4.

AUST Error ellipse: s-maj=0.6km s-min=0.5km az=27.0.

IDC Error ellipse: s-maj=11.0km s-min=7.0km az=74.0.

ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=35.2.

NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=56.0. Felt [IV] at Bima. Felt [II] at Labuhanbajo and Ruteng, Flores. Also felt at Denpasar, Bali.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s80,c110; s99,c184; Moment tensor: Scale 10^{16}Nm; M_{rr}4.60±.15 $M_{\theta\theta}$-1.14±.20; $M_{\phi\phi}$-3.46±.20; $M_{r\theta}$6.72±.12; $M_{\theta\phi}$4.86±.17; $M_{\phi r}$0.77±.14; Best double couple: NP1: ϕ_s352.00000°,δ39.00000°,λ150.00000°. NP2:ϕ_s106.00000°,δ72.00000°,λ55.00000°. Principal axes: T 9.9200,Plg51.0000°,Azm336.0000°; N -1.3800,Plg33.0000°,Azm119.0000° ; P -8.5400,Plg19.0000°,Azm222.0000° $M_0$9.20000×10^{16}

(364) Greece

ISC	**VI**	**07 09 00 06.7–.53**	**38.34N–.01**	**22.03E–.01**	**14–3**	**4.6b,3.8s**	**985**	**0-145**	
BGS	VI	07 09 00 02.1–2.0	37.83N	22.12E	10	4.7b,3.8s			**¶12941969**
TIR	VI	07 09 00 03.7–3.0	38.55N	22.30E	0–176	4.7b,3.8s			
ISCJB	VI	07 09 00 05.6–.20	38.34N–.01	21.99E–.01	11–1	4.5b,3.8s			
ATH	VI	07 09 00 05.6	38.31N	22.02E	13–0	4.2L,3.8			
NEIC	VI	07 09 00 05.6	38.31N	22.02E	13	4.7b,4.4L			
MOS	VI	07 09 00 06.8–1.0	38.35N	21.97E	23	4.7b,4.4L			
CSEM	VI	07 09 00 06.1–.07	38.30N	22.02E	5	4.5b,4.1W			
THE	VI	07 09 00 06.1	38.31N	22.05E	0–1	4.4L,4.1W			
PDG	VI	07 09 00 06.0–.35	38.31N	22.05E	11–0	4.1L,4.1W			
SKO	VI	07 09 00 06.6	38.33N	22.20E	0	4.1L,4.1W			
PRU	VI	07 09 00 08.9	38.46N	21.05E	0	4.7,4.1W			
IDC	VI	07 09 00 09.7–2.2	38.40N	22.07E	31–16	4.2,4.2b			
BJI	VI	07 09 00 10.6	38.76N	21.96E	52	4.9b,4.8b			
PDA	VI	07 09 00 11.7	38.40N	22.00E	42	4.7b,4.8b			

ISC Event type fe.

BGS Error ellipse: s-maj=314.2km s-min=113.4km az=-1.0.

TIR Error ellipse: s-maj=172.5km s-min=171.3km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.4km az=24.2.

ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.

NEIC Event type fe. Felt at Aigion and Patrai. After ATH.

MOS Error ellipse: s-maj=4.5km s-min=2.7km az=108.0.

CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=36.0.

THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=125.0.

PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.

IDC Error ellipse: s-maj=11.8km s-min=10.1km az=165.0.

(163) Cook Strait

WEL	**VI**	**07 09 27 28.8–.06**	**41.07S**	**174.56E**	**44–1**	**3.9L**			
NEIC	VI	07 09 27 28.9	41.05S	174.56E	42	3.9L			**¶14305738**

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0. Felt from Nelson to Wellington, maximum reported intensity MM 4.

NEIC Event type fe. Felt [IV] in the Wellington area. Also felt at Nelson and Picton. After WEL.

(76) Off coast of central America

ISC	**VI**	**07 15 46 32.1–1.3**	**12.55N–.05**	**88.60W–.05**	**18–4**	**4.7b,4.2s**	**268**	**1-148**	
IDC	VI	07 15 46 29.3–.45	12.74N	88.23W	0	4.7,4.5			**¶12941978**
ISCJB	VI	07 15 46 32.9–.23	12.54N–.03	88.64W–.04	33	4.6b,4.2s			
CASC	VI	07 15 46 33.8–2.1	12.50N	88.75W	38–999	4.8L,4.6b			
NEIC	VI	07 15 46 39.6–.75	12.66N	88.40W	83–7	4.7,4.6b			
BJI	VI	07 15 46 40.5	12.60N	88.40W	82	5.1s,5.1b			

ISC Event type fe.

IDC Error ellipse: s-maj=23.5km s-min=10.2km az=59.0.

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=2.3km az=137.2.

CASC Error ellipse: s-maj=13.9km s-min=10.0km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=3.4km az=52.0. Felt [II] at San Salvador. Felt at La Esperanza, Honduras.

(731) North of Honduras

ISC	**VI**	**07 16 17 27.6–.68**	**16.43N–.04**	**86.7W–.10**	**10**	**4.0b**	**43**	**2-141**	
ISCJB	VI	07 16 17 25.9–.64	16.38N–.05	86.71W–.09	10	4.0b			**¶13680793**
IDC	VI	07 16 17 25.6–1.1	16.64N	86.25W	0	4.9L,4.2			
NEIC	VI	07 16 17 27.5–.58	16.39N	86.64W	10	4.2b,4.2			
CASC	VI	07 16 17 52.0–3.2	15.35N	88.32W	121–40	4.2,4.2b			

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=6.8km az=17.5.

IDC Error ellipse: s-maj=76.1km s-min=17.0km az=58.0.

NEIC Event type fe. Error ellipse: s-maj=17.4km s-min=8.4km az=79.0. Felt at Jose Santos Guardiola and La Ceiba.

CASC Error ellipse: s-maj=42.7km s-min=18.7km az=-1.0.

(185) Vanuatu Islands region

ISC	**VI**	**07 17 24 57.2–.41**	**15.14S–.06**	**170.88E–.07**	**35**	**5.0b,4.2s**	**132**	**7-169**	
IDC	VI	07 17 24 51.3–.71	15.12S	171.00E	0	4.8,4.7			**¶15155848**
ISCJB	VI	07 17 24 54.7–.33	15.16S–.05	170.91E–.05	33	4.8b,4.3s			
NEIC	VI	07 17 24 57.4–.90	15.19S	170.90E	44–9	5.1b,4.3s			
GCMT	VI	07 17 24 58.4–.20	15.03S	170.88E	23–1	5.1W,4.3s			
AUST	VI	07 17 24 59.3	15.00S	171.03E	60	5.1W,4.3s			
BJI	VI	07 17 25 01.8	14.60S	170.08E	47	5.0b,4.8b			
DJA	VI	07 17 25 14.4–5.4	15S–13	170E–21	162–43	5.3b,4.7			

ISC Event type fe.

ISCJB Event type fe.

NEIC Event type fe. Felt at Port-Vila.

GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s50,c78; s85,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.53±.15 $M_{\theta\theta}$2.67±.13; $M_{\phi\phi}$-2.14±.13; $M_{r\theta}$-0.13±.20; $M_{\theta\phi}$5.11±.12; $M_{\phi r}$-0.71±.20; Best double couple: NP1:ϕ_s283.00000°,δ83.00000°,λ-1.00000°. NP2:ϕ_s13.00000°,δ89.00000°,λ-173.00000°. Principal axes: T 5.9500,Plg4.0000° ,Azm147.0000°; N -0.5100,Plg82.0000°,Azm22.0000°; P -5.4400,Plg6.0000°,Azm238.0000° $M_0$5.70000×10^{16}

(460) Wyoming

ISC	**VI**	**07 18 30 14.2–.65**	**43.73N–.02**	**105.40W–.03**	**0**		**47**	**0-82**	
ISCJB	VI	07 18 30 14.9–.36	43.71N–.03	105.32W–.04	0	4.1b,3.2s			**¶13680797**
NEIC	VI	07 18 30 15.2–.60	44.10N	105.82W	0	3.4L,3.2s			
IDC	VI	07 18 30 15.6–.87	44.08N	105.87W	0	4.0b,3.8			

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=4.4km s-min=3.5km az=22.2.

NEIC Event type fm. Error ellipse: s-maj=10.6km s-min=7.7km az=130.0. 35 km [20 miles] SW of Gillette. Suspected Mining explosion.

IDC Error ellipse: s-maj=25.9km s-min=9.7km az=140.0.

(61) Chiapas

ISC	**VI**	**07 21 26 47.1–.16**	**16.23N–.02**	**92.91W–.02**	**150–1**	**5.3b**	**876**	**1-155**	
MOS	VI	07 21 26 38.6–1.3	16.09N	92.55W	96	5.3b			**¶13195597**
SZGRF	VI	07 21 26 44.9	15.71N	93.15W	157	4.8b			
IDC	VI	07 21 26 45.9–.45	16.27N	92.71W	142–3	4.9,4.9			
ISCJB	VI	07 21 26 46.9–.23	16.19N–.02	92.90W–.02	165–2	5.2b,4.9			
NEIC	VI	07 21 26 47.7	16.13N	93.31W	140	5.4b,5.4W			
MEX	VI	07 21 26 47.3–.56	16.13N	93.31W	143–5	5.0,5.4W			
BJI	VI	07 21 26 48.0	16.10N	92.80W	163	5.1b,5.4W			
GCMT	VI	07 21 26 49.6–.10	16.23N	93.19W	151–0	5.4W,5.4W			
CASC	VI	07 21 27 03.3–2.9	15.74N	91.98W	32–207	5.4b,5.1			

ISC Event type fe.

MOS Error ellipse: s-maj=7.1km s-min=4.4km az=108.6.

SZGRF Near coast of Chiapas, Mexico.

IDC Error ellipse: s-maj=13.1km s-min=6.9km az=58.0.

ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.5km az=43.7.

NEIC Event type fe. Felt [IV] at San Cristobal de las Casas and Tuxtla Gutierrez. Also felt at Comitan, La Concordia, San Fernando, Tacotalpa and Villahermosa. Felt at Fraijanes and Guatemala, Guatemala and at San Salvador, El Salvador. After MEX. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.57 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-0.31 $M_{r\theta}$-0.55 $M_{\theta\phi}$0.06 $M_{\phi r}$-1.18 Best double couple: NP1:ϕ_s7.00000°,δ9.00000°,λ73.00000°. NP2:ϕ_s203.00000° ,δ81.00000°,λ93.00000°. Principal axes: T 1.5200,Plg53.0000°,Azm116.0000° ; N -0.3100,Plg2.0000°,Azm23.0000°; P -1.2100,Plg36.0000°,Azm291.0000° $M_0$1.40000×10^{17}

MEX Error ellipse: s-maj=3.4km s-min=3.1km az=-1.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=104, comp=200, per= 50. Moment Tensor Solution. s84,c151; s27,c27; Moment tensor: Scale 10^{17}Nm; M_{rr}0.33±.02 $M_{\theta\theta}$-0.36±.03; $M_{\phi\phi}$0.03±.03; $M_{r\theta}$-0.58±.02; $M_{\theta\phi}$-0.26±.03; $M_{\phi r}$-1.63±.02; Best double couple: NP1:ϕ_s89.00000°,δ11.00000°,λ157.00000°. NP2:ϕ_s202.00000°,δ86.00000°,λ79.00000°. Principal axes: T 1.8500,Plg48.0000°,Azm100.0000°; N -0.1400,Plg11.0000°,Azm202.0000° ; P -1.7100,Plg40.0000°,Azm301.0000° $M_0$1.80000×10^{17}

CASC Error ellipse: s-maj=97.8km s-min=92.6km az=-1.0.

(19) Southeastern Alaska

ISC	**VI**	**07 23 24 35.2–.54**	**58.78N–.03**	**136.79W–.03**	**12–3**	**5.1b,4.3s**	**928**	**1-158**	
IDC	VI	07 23 24 33.9–.38	58.95N	136.88W	0	4.9,4.9			**¶12948624**
ISCJB	VI	07 23 24 34.7–.60	58.91N–.02	136.76W–.03	15–3	5.0b,4.4s			
MOS	VI	07 23 24 34.7–.93	58.92N	136.83W	17	5.3b,4.4s			
NEIC	VI	07 23 24 35.2	58.77N	136.66W	4	5.1b,5.1L			
PGC	VI	07 23 24 36.9–2.8	58.81N	136.56W	15	5.3L,4.9W			
BJI	VI	07 23 24 39.4	59.51N	137.18W	32	5.3b,5.1s			
GCMT	VI	07 23 24 40.2–.20	58.81N	136.81W	21–0	5.0W,5.1s			
SZGRF	VI	07 23 24 41.0	59.49N	137.36W	16	5.3b,4.5s			

ISC Event type fe.

IDC Error ellipse: s-maj=10.2km s-min=6.8km az=20.0.

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=1.8km az=37.4.

MOS Error ellipse: s-maj=8.3km s-min=3.3km az=96.1.

NEIC Event type fe. Felt [III] at Douglas, Gustavus and Haines; [II] at Juneau and Skagway. Also felt at Elfin Cove, Hoonah and Yakutat. Felt [II] at Whitehorse, Yukon Territory, Canada. Also felt at Haines Junction. After AEIC. Moment Tensor Solution. $M_0$1.70000×10^{16} Moment Tensor Solution. $M_0$2.80000×10^{16}

PGC Event type fe. Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0. 83km Wsw of Haines, Ak Southeastern Alaska Felt (I) at Whitehorse.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c71; s76,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}3.39±.14 $M_{\theta\theta}$0.63±.10; $M_{\phi\phi}$-4.01±.11; $M_{r\theta}$1.10±.22; $M_{\theta\phi}$0.24±.08; $M_{\phi r}$1.05±.17; Best double couple: NP1:ϕ_s158.00000°,δ41.00000°,λ60.00000°. NP2:ϕ_s15.00000°,δ55.00000°,λ113.00000°. Principal axes: T 3.9200,Plg70.0000° ,Azm337.0000°; N 0.2500,Plg19.0000°,Azm182.0000°; P -4.1600,Plg8.0000°,Azm89.0000° $M_0$4.00000×10^{16}

SZGRF Southeastern Alaska, United States.

(72) Honduras

ISC	**VI**	**08 05 13 15.9–.52**	**15.85N–.03**	**86.97W–.03**	**17–2**	**5.5b,4.9s**	**990**	**2-158**	
CASC	VI	08 05 12 54.9–6.0	17.71N	87.02W	0–144	5.6L,5.5b			**¶14785477**
IDC	VI	08 05 13 13.6–.44	16.00N	86.77W	0	5.2,5.2			
ISCJB	VI	08 05 13 14.6–1.0	15.85N–.02	86.91W–.02	15–6	5.4b,4.9s			
NEIC	VI	08 05 13 14.7–.17	15.79N	86.87W	10	5.5b,5.4W			
MOS	VI	08 05 13 15.0–1.1	15.97N	86.84W	18	5.7b,4.9s			
BJI	VI	08 05 13 15.6	15.90N	86.90W	10	5.7b,5.5s			
BGS	VI	08 05 13 16.5–2.3	16.48N	86.82W	10	5.2b,4.9s			
GCMT	VI	08 05 13 19.2–.10	15.99N	86.99W	12	5.4W,4.9s			
SZGRF	VI	08 05 13 24.0	16.58N	85.46W	22	5.4b,4.8s			

ISC Event type fe.

CASC Error ellipse: s-maj=297.5km s-min=54.7km az=-1.0.

IDC Error ellipse: s-maj=18.9km s-min=9.8km az=61.0.

ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=18.8.

NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=204.0. Felt [V] at La Ceiba; [IV] at Arizona, El Chimbo, El Progreso, La Lima, Mateo, Puerto Cortes, San Pedro Sula, Tela and Utila; [III] at Agalteca, Cerro Grande, Germania, Las Tapias, Roatan, Sandy Bay, Santa Lucia, Santa Rosa de Copan, Siguatepeque and Tegucigalpa; [II] at Comayagua, Guaimaca and Valle de Angeles. Felt [II] at Belize City and Dangriga, Belize and at Guatemala, Guatemala. Felt in most of Honduras, in central Belize and eastern Guatemala and in the San Salvador area, El Salvador.

MOS Error ellipse: s-maj=6.0km s-min=4.0km az=86.5.

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

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=203, per= 50. Moment Tensor Solution. s93,c160; s27,c29; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.48±.02 $M_{\theta\theta}$1.17±.02; $M_{\phi\phi}$0.32±.02; $M_{r\theta}$0.09±.05; $M_{\theta\phi}$0.81±.02; $M_{\phi r}$-0.39±.05; Best double couple: NP1:ϕ_s254.00000°,δ45.00000°,λ-68.00000°. NP2:ϕ_s44.00000°,δ49.00000°,λ-110.00000°. Principal axes: T 1.6600,Plg2.0000°,Azm148.0000°; N -0.0700,Plg15.0000°,Azm58.0000° ; P -1.5900,Plg75.0000°,Azm247.0000° $M_0$1.60000×10^{17}

SZGRF North of Honduras.

(35) Near coast of northern California

ISC	**VI**	**08 07 54 03.2–.86**	**40.41N–.04**	**124.45W–.08**	**21–4**	**4.0b**	**70**	**1-87**	
IDC	VI	08 07 54 00.0–1.3	40.46N	124.44W	0	3.8,3.6			**¶13680882**
ISCJB	VI	08 07 54 02.2–1.1	40.40N–.02	124.50W–.07	31–7	3.6b,3.6			
NEIC	VI	08 07 54 03.6	40.38N	124.41W	18	3.9b,3.9W			

ISC Event type fe.

IDC Error ellipse: s-maj=17.6km s-min=12.9km az=64.0.

ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.8km az=168.9.

NEIC Event type fe. Felt [III] at Ferndale and Loleta and [II] at Eureka, Fortuna, Rio Dell and Scotia. Also felt at Arcata, Bayside, Carlotta, Hydesville, McKinleyville, Myers Flat, Petrolia, Redcrest, Redway and Whitethorn. After NCEDC. Moment Tensor Solution. $M_0$9.10000×10^{14}

(351) Eastern Arabian Peninsula

ISC	**VI**	**08 18 13 58.7–.96**	**25.88N–.03**	**56.39E–.07**	**11–5**	**3.8b**	**111**	**0-90**	
IDC	VI	08 18 13 56.0–.94	25.75N	56.34E	0	3.9,3.8b			**¶13680916**
ISCJB	VI	08 18 13 57.9–.65	25.92N–.03	56.43E–.06	13–4	3.7b,3.4s			
THR	VI	08 18 13 57.6–.53	25.83N	56.36E	16–4	3.7L,3.4s			

OMAN VI 08 18 13 57.4–1.1 25.95N 56.53E 5 3.7L,3.4s
NEIC VI 08 18 13 57.9–.79 25.76N 56.44E 10 3.9b,3.8
CSEM VI 08 18 13 58.6–.18 25.88N 56.35E 10 3.9L,3.8
TEH VI 08 18 14 02.1 26.11N 56.19E 28 3.9L,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=22.9km s-min=21.4km az=34.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.4km az=4.0.
THR Error ellipse: s-maj=3.8km s-min=5.6km az=-1.0.
OMAN Error ellipse: s-maj=2.3km s-min=0.7km az=17.0.
NEIC Event type fe. Error ellipse: s-maj=14.6km s-min=11.6km az=6.0. Felt at Al Fujayrah and Ra's al Khaymah, United Arab Emirates.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=88.0.

(460) Wyoming

ISC VI 08 21 32 12.2–.69 43.73N–.02 105.32W–.02 0 135 0-11
NEIC VI 08 21 32 11.5–.63 43.73N 105.31W 0 3.0L **¶14785475**
ISCJB VI 08 21 32 12.4–.19 43.76N–.01 105.34W–.02 0 3.0L
ISC Event type sm.
NEIC Event type fm. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
ISCJB Event type fm.

(39) Central California

ISC VI 08 22 15 03.9–1.3 37.85N–.03 122.00W–.03 2–11 44 0-17
ISCJB VI 08 22 15 03.2–.63 37.85N–.03 121.92W–.03 6–5 **¶12952882**
IDC VI 08 22 15 04.5–1.9 38.17N 122.16W 0 3.4L,3.3
NEIC VI 08 22 15 04.5 37.82N 121.97W 9 3.5W,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=36.6.
IDC Error ellipse: s-maj=22.0km s-min=12.9km az=54.0.
NEIC Event type fe. Felt [V] at Diablo; [IV] at Danville; [III] at Alamo and San Ramon; [II] at Alameda, Clayton, Concord, Dublin, Lafayette, Martinez, Oakland, Pleasant Hill, Pleasanton, San Francisco and Walnut Creek. Also felt at Antioch, Berkeley, Crockett, Discovery Bay, Emeryville, Fremont, Hayward, Livermore, Newark, Oakley, Orinda, Pacifica, Pinole, Pittsburg, Richmond, San Jose, San Mateo, Santa Clara, South San Francisco, Stockton and Sunol. After NCEDC. Moment Tensor Solution. $M_0$2.30000×10^{14}

(228) Near east coast of eastern Honshu

ISC VI 09 02 07 36.1–.39 40.14N–.04 142.52E–.04 46–2 4.8b,4.1s 431 1-155
NIED VI 09 02 07 00 40.20N 142.50E 35 4.6W,4.1s **¶12952888**
BJI VI 09 02 07 33.0 40.20N 142.89E 55 4.8b,4.8b
ISCJB VI 09 02 07 35.1–.40 40.18N–.03 142.49E–.04 45–3 4.7b,4.1s
JMA VI 09 02 07 35.5–.10 40.15N 142.46E 35–1 4.5,4.1s
MOS VI 09 02 07 35.6–.95 40.23N 142.51E 49 5.0b,4.1s
IDC VI 09 02 07 36.1–.49 40.11N 142.48E 42–3 4.4,4.3
NEIC VI 09 02 07 38.0–.56 40.14N 142.51E 60–4 4.9b,4.6W
SZGRF VI 09 02 07 39.5 40.52N 142.86E 45 4.9b,4.6W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ79.00000°,λ105.00000°. NP2:ϕ_s157.00000°,δ19.00000°,λ35.00000°. $M_0$8.88000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.5km az=39.9.
JMA Event type fe.
MOS Error ellipse: s-maj=8.0km s-min=4.5km az=103.7.
IDC Error ellipse: s-maj=12.5km s-min=9.8km az=103.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.1km az=135.0. Felt at Ichinoseki. Recorded [2 JMA] in Aomori and Iwate and [1 JMA] in Miyagi. Moment Tensor Solution. $M_0$8.90000×10^{15}
SZGRF Near east coast of eastern Honshu, Japan.

(238) Ryukyu Islands

ISC VI 09 02 22 56.0–.88 26.74N–.06 127.55E–.05 79–7 4.3b 28 0-50
IDC VI 09 02 22 49.0–1.4 26.46N 126.70E 0 4.2,4.0b **¶13681014**
ISCJB VI 09 02 22 54.8–.45 26.80N–.07 127.48E–.07 81–5 4.0b,4.0b
JMA VI 09 02 22 56.1–.10 26.90N 127.42E 71–2 3.8,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=55.2km s-min=25.5km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=14.9km s-min=4.7km az=142.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

(259) Mindanao

ISC VI 09 02 28 31.7–1.8 6.52N–.07 124.67E–.04 7–11 4.0b,3.1s 27 1-88
IDC VI 09 02 28 31.1–.97 6.53N 124.51E 0 4.1,4.0b **¶13681015**
MAN VI 09 02 28 32 6.45N 124.67E 20 5.1b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=21.4km s-min=13.9km az=167.0.
MAN Event type fe. INTESITY IV - KORONADAL CITY SOUTH COTABATO; INTENSITY II - SURALLAH SOUTH COTABATO; GENERAL SANTOS.

(139) Mendoza Province

ISC VI 09 07 56 54.1–.57 34.87S–.06 68.03W–.08 10 4.0b 44 3-155
ISCJB VI 09 07 56 52.3–.52 34.84S–.05 67.97W–.09 10 4.0b **¶13681031**
IDC VI 09 07 56 52.4–.67 34.89S 68.14W 0 4.1,4.0
NEIC VI 09 07 56 55.1–2.3 34.83S 68.04W 16–14 4.2,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.7km s-min=6.2km az=150.5.
IDC Error ellipse: s-maj=24.9km s-min=12.1km az=100.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=6.3km az=83.0. Felt [IV] at San Rafael.

(137) San Juan Province

ISC VI 09 15 15 51.0–.69 31.46S–.04 69.28W–.04 109–6 3.9b 81 1-153
ISCJB VI 09 15 15 50.6–.39 31.52S–.04 69.24W–.05 116–4 4.1b **¶13681053**
IDC VI 09 15 15 50.5–3.0 31.58S 69.16W 102–26 3.9,3.8
GUC VI 09 15 15 50.6–.79 31.52S 69.55W 152–18 4.4L,4.0
NEIC VI 09 15 15 51.0–.38 31.51S 69.20W 106–4 4.5,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.6km az=30.8.
IDC Error ellipse: s-maj=31.7km s-min=16.8km az=85.0.
GUC Error ellipse: s-maj=4.3km s-min=17.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=5.6km az=102.0. Felt [IV] at San Juan.

(2) Southern Alaska

ISC VI 09 18 39 12.8–.43 59.10N–.03 154.22W–.04 135–4 3.9b 168 0-163
ISCJB VI 09 18 39 11.8–.18 59.08N–.02 154.23W–.05 140–2 3.8b **¶13681068**
NEIC VI 09 18 39 14.0 59.02N 154.16W 132 4.2b
IDC VI 09 18 39 14.3–.62 59.32N 154.32W 135–4 3.8,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.8km az=137.1.
NEIC Event type fe. Felt [III] at Homer. Also felt at Anchorage, Kodiak, Ninilchik and Seward. After AEIC.
IDC Error ellipse: s-maj=13.2km s-min=9.0km az=21.0.

(460) Wyoming

ISC VI 09 21 59 56.2–.58 43.69N–.02 105.29W–.02 0 3.7b 164 0-90
IDC VI 09 21 59 55.3–2.2 43.53N 105.23W 0 3.8,3.7 **¶13681078**
ISCJB VI 09 21 59 56.3–.21 43.75N–.01 105.29W–.02 0 3.7b,3.7
NEIC VI 09 21 59 56.6–.31 43.72N 105.13W 0 3.1L,3.7
ISC Event type sm.
IDC Error ellipse: s-maj=66.4km s-min=8.5km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=2.0km az=172.0.
NEIC Event type fm. Error ellipse: s-maj=4.3km s-min=4.0km az=139.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

ISC VI 10 04 06 33.8–.54 35.50N–.04 141.05E–.04 34–1 4.5b,4.0s 113 0-148
NIED VI 10 04 06 00 35.60N 141.10E 32 4.6W,4.0s **¶13195969**
BJI VI 10 04 06 29.4 34.90N 141.00E 35 4.9b,4.7b
JMA VI 10 04 06 33.4–.10 35.58N 141.14E 38–1 4.8,4.7b
ISCJB VI 10 04 06 33.2–.58 35.55N–.04 141.14E–.06 35–5 4.6b,4.0s
NEIC VI 10 04 06 34.8–.48 35.58N 141.11E 35 4.4b,4.0s
MOS VI 10 04 06 34.9–.89 35.89N 141.16E 33 4.8b,4.0s
IDC VI 10 04 06 35.5–1.7 35.53N 141.03E 45–20 4.5,4.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s135.00000°,δ70.00000°,λ-39.00000°. NP2:ϕ_s240.00000°,δ54.00000°,λ-155.00000°. $M_0$1.02000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s230.00000°,δ74.00000°,λ-114.00000°. NP2: ϕ_s107.00000°,δ29.00000°,λ-36.00000°. Principal axes: T Plg25.0000°,Azm338.0000° ; N Plg23.0000°,Azm237.0000°; P Plg55.0000°,Azm110.0000°
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.8km az=17.9.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=8.6km az=178.0. Recorded [2 JMA] in Chiba and Ibaraki; [1 JMA] in Fukushima, Gumma, Kanagawa, Saitama and Tochigi.
MOS Error ellipse: s-maj=15.3km s-min=9.4km az=77.1.
IDC Error ellipse: s-maj=19.8km s-min=11.7km az=91.0.

(232) Western Honshu

ISC VI 10 04 07 02.8–.35 34.55N–.03 136.64E–.03 353–3 4.5b 437 0-151
TEH VI 10 04 06 23.0 35.03N 136.38E 32 5.0L **¶13046811**
BJI VI 10 04 06 57.9 34.43N 136.93E 344 5.2b,4.7b
NIED VI 10 04 07 00 34.60N 136.60E 380 5.1W,4.7b
MOS VI 10 04 07 01.7–.88 34.51N 136.69E 357 4.5b,4.7b
JMA VI 10 04 07 02.9–.20 34.61N 136.61E 355–2 5.0,4.7b
ISCJB VI 10 04 07 02.0–.18 34.55N–.02 136.68E–.03 359–1 4.6b,4.7b
NEIC VI 10 04 07 02.6–.32 34.46N 136.63E 352–3 5.1b,5.1W
IDC VI 10 04 07 02.7–.47 34.50N 136.69E 350–4 4.3,4.2
DJA VI 10 04 07 06.1–2.4 34N–7.0 137E–10 385–28 5.2b,5.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s91.00000°,δ88.00000°,λ10.00000°. NP2:ϕ_s1.00000°,δ80.00000°,λ178.00000°. $M_0$5.22000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s29.00000°,δ76.00000°,λ-157.00000°. NP2:ϕ_s293.00000°,δ67.00000°,λ-15.00000°. Principal axes: T Plg6.0000°,Azm160.0000°; N Plg63.0000°,Azm58.0000°; P Plg26.0000° ,Azm253.0000°
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. $M_0$5.20000×10^{16}

(224) Hokkaido region

ISC VI 10 08 49 02.1–1.4 44.68N–.05 145.58E–.04 28–11 3.5b 27 1-83
JMA VI 10 08 48 59.7–.20 44.83N 145.42E 22–2 3.8 **¶13681101**
NIED VI 10 08 49 00 44.90N 145.50E 5 3.7W
MOS VI 10 08 49 01.5–2.3 44.77N 145.71E 33 3.9b
IDC VI 10 08 49 09.5–2.7 44.80N 145.46E 92–27 3.5,3.3
ISC Event type ke.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s239.00000°,δ47.00000°,λ86.00000°. NP2:ϕ_s64.00000°,δ43.00000°,λ94.00000°. $M_0$4.66000×10^{14}
MOS Error ellipse: s-maj=23.1km s-min=18.8km az=83.8.
IDC Error ellipse: s-maj=33.0km s-min=18.2km az=126.0.

(221) Kuril Islands

ISC VI 10 15 54 55.6–.26 44.85N–.03 148.32E–.03 94–1 5.0b 865 1-152
BJI VI 10 15 54 54.6 44.93N 148.28E 103 5.2b,4.9b **¶13469959**
ISCJB VI 10 15 54 55.4–.29 44.84N–.03 148.28E–.02 104–2 4.9b,4.9b
NEIC VI 10 15 54 56.0–.13 44.98N 148.15E 94 5.0b,4.9b
IDC VI 10 15 54 55.6–.41 45.00N 148.14E 91–3 4.7,4.7
MOS VI 10 15 54 55.2–.97 44.89N 148.27E 103 4.9b,4.7
SKHL VI 10 15 54 56.4–.50 44.87N 148.44E 97–7 5.8b,5.6
JMA VI 10 15 54 56.8–.30 44.52N 148.43E 96 4.7,5.6
GCMT VI 10 15 54 57.8–.30 44.89N 148.37E 88–3 4.9W,5.6
SZGRF VI 10 15 54 58.8 46.66N 148.46E 33 5.1b,3.7s
DJA VI 10 15 55 00.9–6.1 45N–12 148E–23 133–51 5.2b,4.9b
NIED VI 10 15 55 00 44.40N 148.50E 86 4.9W,4.9b
NSSC VI 10 15 55 49.8–.53 47.52N 149.45E 572–999 4.9W,4.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=159.4.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=2.5km az=155.0. Felt [IV] at Kuril'sk. Recorded [1 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=10.7km s-min=8.2km az=144.0.
MOS Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=100.6. Felt (III-IV) at Kuril'sk. Moment Tensor Solution.
SKHL Event type fe. Felt (III-IV) at Kurilsk.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
GCMT Event type se. Data Used: ll IU IC G CN. Moment Tensor Solution. s26,c33; s72,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}1.56±.12 $M_{\theta\theta}$0.93±.12; $M_{\phi\phi}$-2.50±.11; $M_{r\theta}$-1.18±.08; $M_{\theta\phi}$-0.14±.11; $M_{\phi r}$-1.65±.07; Best double couple: NP1:ϕ_s331.00000°,δ33.00000°,λ37.00000°. NP2:ϕ_s209.00000°,δ71.00000°,λ118.00000°. Principal axes: T 2.7800,Plg56.0000° ,Azm154.0000°; N 0.3700,Plg26.0000°,Azm19.0000°; P -3.1600,Plg21.0000°,Azm278.0000° $M_0$3.00000×10^{16}
SZGRF Northwest of Kuril Islands, Russia.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ54.00000°,λ114.00000°. NP2:ϕ_s341.00000°,δ42.00000°,λ60.00000°. $M_0$2.27000×10^{16}
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(460) Wyoming

ISC VI 10 17 57 19.2–.52 43.71N–.02 105.33W–.02 0 3.9b 145 0-90
ISCJB VI 10 17 57 19.0–.18 43.72N–.01 105.32W–.02 0 3.8b **¶13681117**
IDC VI 10 17 57 18.4–1.8 43.63N 105.39W 0 3.8b,3.8
NEIC VI 10 17 57 19.6–.39 43.78N 105.30W 0 3.5L,3.8
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.8km az=157.7.
IDC Error ellipse: s-maj=49.2km s-min=7.1km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=6.2km s-min=4.9km az=166.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(224) Hokkaido region

ISC VI 10 17 57 55.8–.83 41.92N–.04 142.29E–.03 61–7 3.7b 53 0-76
NIED VI 10 17 57 00 41.90N 142.30E 71 3.9W **¶13681118**
ISCJB VI 10 17 57 55.2–.33 41.94N–.03 142.31E–.04 71–3 3.7b
MOS VI 10 17 57 55.8–1.1 41.92N 142.56E 87 3.9b
JMA VI 10 17 57 55.1–.20 41.93N 142.30E 72–3 3.5
IDC VI 10 17 57 57.6–1.6 42.02N 142.28E 79–13 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ55.00000°,λ94.00000°. NP2:ϕ_s211.00000°,δ35.00000°,λ85.00000°. $M_0$9.44000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.7km az=140.9.
MOS Error ellipse: s-maj=14.5km s-min=9.1km az=80.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s41.00000°,δ80.00000°,λ113.00000°. NP2: ϕ_s154.00000°,δ25.00000°,λ25.00000°. Principal axes: T Plg50.0000°,Azm337.0000° ; N Plg23.0000°,Azm217.0000°; P Plg31.0000°,Azm112.0000°
IDC Error ellipse: s-maj=17.6km s-min=11.9km az=114.0.

(327) Lake Baykal region

ISC VI 10 18 51 59.0–.33 55.48N–.02 111.18E–.02 17–1 4.9b,4.3s 729 0-150
BJI VI 10 18 51 53.7 55.76N 111.29E 11 4.8s,4.8b **¶13440030**
ISCJB VI 10 18 51 55.6–.49 55.48N–.02 111.04E–.03 4–3 4.8b,4.4s
IDC VI 10 18 51 56.0–.36 55.42N 111.17E 0 4.8,4.8
MOS VI 10 18 51 56.9–.94 55.44N 111.08E 16 5.0b,4.4s
LDG VI 10 18 51 57.3–.33 55.64N 110.51E 10 5.0b,4.0s
NEIC VI 10 18 51 57.9–.12 55.42N 111.06E 10 5.0b,4.0s
GCMT VI 10 18 51 59.8–.30 55.36N 111.08E 30–0 4.8W,4.0s
BYKL VI 10 18 51 59.1–.24 55.41N 111.16E 22–12 4.8W,4.0s
SZGRF VI 10 18 52 07.8 56.43N 110.63E 24 4.9b,4.5s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.3km az=43.6.
IDC Error ellipse: s-maj=10.2km s-min=9.7km az=150.0.
MOS Event type fe. Error ellipse: s-maj=5.7km s-min=4.0km az=102.2. Felt (III-IV) at Kumora, Ulyunkhan; (III) at Angoya, Kichera, Novy Uoyan; (II) at Severobaykal'sk. Moment Tensor Solution.
LDG Event type ke. Error ellipse: s-maj=16.5km s-min=4.0km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=152.0. Felt [IV] at Kumora and Ulyunkhan; [III] at Angoya, Kichera and Novyy Uoyan; [II] at Severobaykal'sk.
GCMT Event type se. Data Used: ll IU IC CN G. Moment Tensor Solution. s29,c38; s45,c68; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.76±.12 $M_{\theta\theta}$0.43±.09; $M_{\phi\phi}$1.33±.10; $M_{r\theta}$-0.43±.13; $M_{\theta\phi}$1.08±.07; $M_{\phi r}$0.06±.12; Best double couple: NP1:ϕ_s200.00000°,δ44.00000°,λ-110.00000°. NP2:ϕ_s47.00000°,δ49.00000°,λ-72.00000°. Principal axes: T 2.0600,Plg3.0000° ,Azm124.0000°; N -0.1900,Plg14.0000°,Azm215.0000°; P -1.8700,Plg76.0000° ,Azm23.0000° $M_0$2.00000×10^{16}
BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 32.00 44.00 -75.00 21 0 IEC + 192.00 48.00 -104.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 292.00 2.00 202.00 10.00 33.00 80.00 IEC + 00.00 0.00 0.00 0.00 0.00 0.00 IEC. FELT I=IV MSK at Kumora,Kichera,Argada; III-IV at Ulyunkhan,Angoya, Mogoito,Kurumkan,Kunerma,Ulkan; III at Uoyan; II at Severobaikalsk.
SZGRF Lake Baykal, Russia, region.

(45) California-Baja California border region

ECX VI 10 22 05 42.3–.62 32.06N 115.49W 6 3.7L,3.6
NEIC VI 10 22 05 42.3 32.06N 115.49W 6 3.7L,3.5L **¶13196110**
ECX Error ellipse: s-maj=1.4km s-min=2.0km az=-1.0.
NEIC Event type fe. Felt at El Centro, California. After ECX.

(227) Eastern Honshu
JMA VI 10 22 53 04.2 35.29N 137.47E 11 3.7
NIED VI 10 22 53 00 35.30N 137.50E 11 3.4W **¶13046886**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s151.00000°,δ50.00000°,λ66.00000°. NP2:ϕ_s5.00000°,δ46.00000°,λ115.00000°. Principal axes: T Plg72.0000°,Azm355.0000°; N Plg18.0000°,Azm166.0000°; P Plg2.0000° ,Azm257.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s154.00000°,δ51.00000°,λ66.00000°. NP2:ϕ_s9.00000°,δ45.00000°,λ116.00000°. $M_0$1.46000×10^{14}

(274) Southern Sumatera
ISC VI 11 00 16 01.2–.28 4.91S–.03 102.85E–.04 64–1 5.2b 557 1-157
NEIC VI 11 00 15 56.4–2.3 4.89S 102.90E 22–16 5.2b **¶15156025**
MOS VI 11 00 15 56.7–.98 4.74S 103.06E 33 5.3b,4.5s
BJI VI 11 00 15 59.7 4.90S 102.80E 58 5.2b,5.0b
AUST VI 11 00 16 00.6–.20 4.99S 102.77E 50–0 5.2b,5.0b
ISCJB VI 11 00 16 00.9–.38 4.88S–.03 102.91E–.03 72–3 5.0b,5.0b
DJA VI 11 00 16 01.1–.30 5S–2.0 103E–2.0 44–3 5.6b,5.6
IDC VI 11 00 16 02.2–1.1 4.75S 103.01E 68–8 4.8,4.7
GCMT VI 11 00 16 03.3–.30 4.97S 102.83E 25 5.3W,4.7
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=5.0km az=57.0. Felt [III] at Bengkulu and Pagaralam. Also felt at Petaling Jaya, Malaysia and in Singapore.
MOS Error ellipse: s-maj=11.7km s-min=5.6km az=114.6.
AUST Error ellipse: s-maj=0.8km s-min=0.5km az=227.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=2.8km az=137.3.
IDC Error ellipse: s-maj=13.2km s-min=7.6km az=58.0.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta= 67, comp= 95, per= 50. Moment Tensor Solution. s43,c49; s66,c74; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s338.00000°,δ4.00000° ,λ112.00000°. NP2:ϕ_s136.00000°,δ86.00000°,λ88.00000°. Principal axes: T 1.3000,Plg49.0000°,Azm45.0000°; N 0.0500,Plg2.0000°,Azm136.0000° ; P -1.3600,Plg41.0000°,Azm228.0000° $M_0$1.30000×10^{17}

(218) Near east coast of Kamchatka Peninsula
ISC VI 11 01 35 07.1–.33 52.99N–.03 159.50E–.03 103–2 5.3b 1203 0-160
NSSC VI 11 01 34 55.9–2.5 55.37N 162.94E 5–999 5.3b **¶13196134**
BJI VI 11 01 34 59.7 53.26N 159.74E 67 5.0b,5.0b
SZGRF VI 11 01 35 04.2 53.29N 158.69E 33 5.9b,3.7s
MOS VI 11 01 35 05.5–.94 53.09N 159.28E 93 5.5b,3.7s
ISCJB VI 11 01 35 07.3–.21 53.00N–.02 159.40E–.03 114–1 5.2b,3.7s
KRSC VI 11 01 35 07.4–.70 52.93N 159.74E 98–38 5.5L,3.7s
IDC VI 11 01 35 07.9–.50 53.04N 159.31E 105–4 5.0,5.0
BGS VI 11 01 35 07.9–1.4 53.23N 160.65E 100 5.3b,5.0
NEIC VI 11 01 35 08.0–.55 53.05N 159.36E 104–5 5.2b,5.0
GCMT VI 11 01 35 11.3–.20 53.01N 159.72E 105–2 5.1W,5.0
DJA VI 11 01 35 16.5–10 54N–21 159E–54 181–77 5.3b,4.9b
ISC Event type fe.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
MOS Event type fe. Felt (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
ISCJB Event type fe.
KRSC Event type se.
NEIC Event type fe. Felt [IV] at Petropavlovsk-Kamchatskiy.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s47,c64; s93,c156; Moment tensor: Scale 10^{16}Nm; M_{rr}1.64±.17 $M_{\theta\theta}$2.57±.16; $M_{\phi\phi}$-4.21±.15; $M_{r\theta}$4.00±.10; $M_{\theta\phi}$-0.53±.15; $M_{\phi r}$3.08±.10; Best double couple: NP1:ϕ_s147.00000°,δ34.00000°,λ16.00000°. NP2:ϕ_s44.00000°,δ81.00000°,λ123.00000°. Principal axes: T 6.4100,Plg44.0000° ,Azm347.0000°; N -0.3000,Plg33.0000°,Azm218.0000°; P -6.1100,Plg28.0000° ,Azm108.0000° $M_0$6.30000×10^{16}

(228) Near east coast of eastern Honshu
ISC VI 11 02 50 17.0–.39 35.52N–.04 141.17E–.04 35–3 4.5b,3.7s 205 0-155
NIED VI 11 02 50 00 35.50N 141.40E 32 4.5W,3.7s **¶12977492**
BJI VI 11 02 50 11.9 35.54N 141.65E 40 4.6b,4.6b
JMA VI 11 02 50 15.4–.10 35.53N 141.28E 38–1 4.5,4.6b
MOS VI 11 02 50 15.4–1.0 35.55N 141.01E 33 4.7b,4.6b
ISCJB VI 11 02 50 16.6–.46 35.50N–.03 141.14E–.04 45–3 4.5b,3.7s
NEIC VI 11 02 50 17.7–.69 35.52N 141.06E 39–6 4.4b,3.7s
IDC VI 11 02 50 18.0–1.5 35.53N 141.04E 42–15 4.3,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s98.00000°,δ54.00000°,λ-91.00000°. NP2:ϕ_s280.00000°,δ36.00000°,λ-89.00000°. $M_0$6.82000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=10.4km s-min=5.9km az=101.3.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=31.9.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.4km az=139.0. Recorded [1 JMA] in Chiba.
IDC Error ellipse: s-maj=14.2km s-min=9.0km az=95.0.

(123) Northern Chile
ISC VI 11 03 56 35.3–.93 20.12S–.05 70.0W–.10 49–6 37 0-152
ISCJB VI 11 03 56 34.8–.49 20.10S–.04 69.9W–.10 62–5 4.0b **¶13681144**
NEIC VI 11 03 56 34.9 20.16S 69.99W 53 4.0
GUC VI 11 03 56 34.9–.78 20.16S 69.99W 53–4 4.0L
IDC VI 11 03 56 40.1–2.4 20.23S 69.66W 93–20 3.9,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.0km s-min=4.7km az=164.1.
NEIC Event type fe. Felt [III] at Alto Hospicio and Huara; [II] at Camina, Iquique and Pica. After GUC.
GUC Error ellipse: s-maj=4.3km s-min=14.4km az=-1.0.
IDC Error ellipse: s-maj=43.9km s-min=15.8km az=94.0.

(221) Kuril Islands
ISC VI 11 06 50 45.5–.43 43.96N–.05 147.17E–.04 64–2 4.2b 192 1-149
MOS VI 11 06 50 43.6–1.2 43.94N 147.13E 65 4.4b **¶13196177**
ISCJB VI 11 06 50 44.2–.49 43.93N–.04 147.19E–.05 67–4 4.2b
JMA VI 11 06 50 44.6–.20 43.77N 147.21E 39 4.7
IDC VI 11 06 50 44.6–.70 43.96N 147.22E 56–5 4.1,4.0
BJI VI 11 06 50 44.8 43.62N 146.96E 58 4.8b,4.7b
NEIC VI 11 06 50 45.5–.30 43.93N 147.18E 64 4.4b,4.7b
SKHL VI 11 06 50 45.4–.40 43.89N 147.22E 68–4 5.1b,4.7b
NIED VI 11 06 51 00 43.80N 147.20E 62 4.4W,4.7b
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=9.1km s-min=7.0km az=64.9. Felt (IV) at Malokuril'skoye,(II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=3.8km az=142.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=14.6km s-min=11.5km az=150.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=4.8km az=151.0. Felt [IV] on Shikotan and [II] at Yuzhno-Kuril'sk. Recorded [2 JMA] in eastern Hokkaido.
SKHL Event type fe. Felt (IV) at Malokurilskoe, (II) at Yushno-Kurilsk.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s240.00000°,δ80.00000°,λ145.00000°. NP2:ϕ_s337.00000°,δ55.00000°,λ12.00000°. $M_0$4.70000×10^{15}

(244) Taiwan
ISC VI 11 08 51 39.2–.90 24.19N–.02 120.90E–.02 32–7 96 0-2
NEIC VI 11 08 51 38.3–1.6 24.17N 120.86E 10 4.0L **¶13046891**
TAP VI 11 08 51 38.7 24.17N 120.90E 34–0 3.5L
ISCJB VI 11 08 51 39.2–.28 24.20N–.02 120.89E–.02 34–5 3.5L
ISC Event type se.
NEIC Event type fe. Recorded [3 TAP] in T'ai-chung; [2 TAP] in Chang-hua and Nan-t'ou; [1 TAP] in Miao-li and Yun-lin.
TAP B.
ISCJB Event type fe.

(230) Near south coast of eastern Honshu
ISC VI 11 13 14 47.8–.98 35.81N–.04 139.24E–.06 63–7 3.3b 26 0-59
ISCJB VI 11 13 14 47.0–.59 35.81N–.03 139.25E–.07 72–5 3.4b **¶13681166**
JMA VI 11 13 14 48.3 35.80N 139.23E 62–1 3.2
IDC VI 11 13 14 49.3–1.0 35.70N 138.94E 75–8 3.5,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.5km az=176.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s221.00000°,δ67.00000°,λ68.00000°. NP2:ϕ_s86.00000°,δ31.00000°,λ131.00000°. Principal axes: T Plg62.0000°,Azm97.0000°; N Plg20.0000°,Azm230.0000°; P Plg19.0000° ,Azm327.0000°
IDC Error ellipse: s-maj=32.7km s-min=7.4km az=66.0.

(706) Northern Sumatera
ISC VI 11 14 49 03.8–.32 1.70N–.04 97.06E–.04 41–2 4.9b,4.3s 321 1-147
IDC VI 11 14 48 58.2–.40 1.71N 97.12E 0 4.7L,4.7 **¶13196240**
BJI VI 11 14 49 01.8 1.58N 97.17E 48 5.2b,5.0b
ISCJB VI 11 14 49 02.6–.53 1.72N–.03 97.10E–.03 42–4 4.8b,4.3s
NEIC VI 11 14 49 03.8–.19 1.76N 97.19E 40 4.9b,4.3s
DJA VI 11 14 49 03.8–.90 2N–4.0 97E–5.0 35–12 5.0b,5.0
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Gunungsitoli.

(12) Alaska Peninsula
ISC VI 11 18 50 30.6–.92 54.7N–.10 162.45W–.05 67–8 3.7b 91 0-95
IDC VI 11 18 50 21.6–.98 54.42N 162.82W 0 4.1,4.1L **¶13681182**
ISCJB VI 11 18 50 29.8–.41 54.79N–.08 162.47W–.08 79–3 3.8b,4.1L
NEIC VI 11 18 50 30.7 54.49N 162.27W 25 4.1L,4.1L
ISC Event type fe.
IDC Error ellipse: s-maj=27.3km s-min=14.8km az=167.0.
ISCJB Event type fe. Error ellipse: s-maj=14.5km s-min=2.9km az=152.1.
NEIC Event type fe. Felt [III] at King Cove. After AEIC.

(224) Hokkaido region
ISC VI 11 21 31 57.1–.74 41.47N–.04 141.50E–.05 82–6 3.8b 51 0-145
ISCJB VI 11 21 31 56.3–.37 41.47N–.03 141.47E–.06 91–3 3.7b **¶13681186**
MOS VI 11 21 31 57.4–.93 41.49N 141.56E 107 3.8b
JMA VI 11 21 31 57.4–.10 41.46N 141.49E 79–1 3.6
IDC VI 11 21 31 58.4–1.4 41.50N 141.49E 98–12 3.6,3.5
NIED VI 11 21 32 00 41.40N 141.50E 68 3.8W,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.8km az=20.1.
MOS Error ellipse: s-maj=19.3km s-min=12.0km az=71.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=17.6km s-min=10.7km az=121.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s96.00000°,δ51.00000°,λ-72.00000°. NP2:ϕ_s248.00000°,δ42.00000°,λ-111.00000°. $M_0$4.90000×10^{14}

(37) Nevada
ISC VI 11 21 35 04.6–.77 41.07N–.03 116.47W–.03 0 37 1-16
ISCJB VI 11 21 35 03.9–.38 41.05N–.03 116.50W–.04 0 **¶13681187**
NEIC VI 11 21 35 04.7–.42 41.01N 116.52W 0 2.5L
IDC VI 11 21 35 05.4–1.8 41.05N 116.43W 0 3.1,3.0
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=3.6km az=135.6.
NEIC Event type fm. Error ellipse: s-maj=6.6km s-min=5.2km az=140.0. 55 km [35 miles] NE of Battle Mountain. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.6km s-min=7.2km az=144.0.

(163) Cook Strait
WEL VI 12 02 14 09.7–.08 40.38S 174.95E 5 3.7L
¶14305957
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.5km az=90.0. Felt in the Manawatu region, maximum reported intensity MM 4.

(251) Samar
ISC VI 12 07 10 04.7–.76 12.97N–.03 124.47E–.04 57–6 4.5b,3.4s 159 0-149
MAN VI 12 07 10 01 12.95N 124.45E 22 5.0b,4.0s **¶13046916**
ISCJB VI 12 07 10 02.5–.42 12.99N–.02 124.43E–.03 51–4 4.5b,3.4s
IDC VI 12 07 10 03.7–3.1 12.91N 124.37E 49–29 4.2,4.1
NEIC VI 12 07 10 10.0–1.2 12.95N 124.34E 105–11 4.5b,4.1
BJI VI 12 07 10 11.5 12.95N 124.43E 137 4.8b,4.6b
DJA VI 12 07 10 19.2–1.0 13N–6.0 124E–8.0 206–10 6.3,5.3
ISC Event type fe.
MAN Event type fe. INTENSITY II - LIGNON HILL LEGASPI CITY; SORSOGON CITY.
ISCJB Event type fe.
NEIC Event type fe. Felt [II PIVS] at Legaspi and Sorsogon, Luzon.

(186) Vanuatu Islands
ISC VI 12 08 47 42.7–.36 17.67S–.04 167.68E–.05 51–2 5.0b,4.6s 349 5-166
IDC VI 12 08 47 35.0–.49 17.52S 167.79E 0 4.8,4.7 **¶13440057**
NEIC VI 12 08 47 36.7–.24 17.49S 167.79E 10 5.1b,4.7
DJA VI 12 08 47 37.6–.60 18S–7.0 168E–8.0 10 5.5b,5.0
ISCJB VI 12 08 47 38.4–1.9 17.59S–.04 167.71E–.05 29–13 5.0b,4.6s
MOS VI 12 08 47 39.4–1.3 17.46S 167.61E 33 5.3b,4.6s
NOU VI 12 08 47 40.8–1.8 17.58S 167.79E 30 4.0L,3.6
GCMT VI 12 08 47 42.8–.10 17.56S 167.58E 19–0 5.3W,3.6
BJI VI 12 08 47 43.5 17.16S 167.92E 58 5.2b,5.1s
ISC Event type fe.
IDC Error ellipse: s-maj=17.2km s-min=13.0km az=106.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=6.4km az=118.0. Felt [III] at Port-Vila.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=6.9km az=167.3.
MOS Error ellipse: s-maj=10.3km s-min=9.0km az=13.4.
NOU Error ellipse: s-maj=23.2km s-min=94.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s84,c141; s88,c155; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s3.00000°,δ24.00000°,λ110.00000°. NP2:ϕ_s161.00000° ,δ67.00000°,λ81.00000°. Principal axes: T 1.2200,Plg67.0000°,Azm56.0000° ; N 0.0000,Plg8.0000°,Azm165.0000°; P -1.2200,Plg22.0000°,Azm258.0000° $M_0$1.20000×10^{17}

(186) Vanuatu Islands
ISC VI 12 09 44 19.4–.29 17.68S–.03 167.84E–.04 49–1 5.6s,5.4b 985 5-169
IDC VI 12 09 44 12.9–.36 17.60S 167.78E 0 5.6,5.6 **¶16101229**
LDG VI 12 09 44 14.1–.13 17.58S 167.82E 10 5.9b,5.5s
NEIC VI 12 09 44 15.1–.10 17.61S 167.81E 15 6.0W,6.0W
NOU VI 12 09 44 17.5–1.0 18.00S 169.17E 30 4.0,3.1L
MOS VI 12 09 44 17.7–.88 17.33S 167.94E 33 5.8b,5.6s
ISCJB VI 12 09 44 18.2–.14 17.66S–.03 167.74E–.03 49 5.6s,5.4b
BJI VI 12 09 44 19.3 17.26S 167.93E 53 5.9b,5.8s
GCMT VI 12 09 44 21.4–.10 17.52S 167.63E 20–0 6.0W,5.8s
DJA VI 12 09 44 59.2–3.9 18S–10 166E–27 308–32 5.8b,5.4
ISC Event type fe.
LDG Event type ke.
NEIC Event type fe. Felt [III] at Port-Vila. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s170.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s350.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm80.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm260.0000° Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}0.66 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-1.00 $M_{r\theta}$-0.12 $M_{\theta\phi}$0.25 $M_{\phi r}$-0.62 Best double couple: NP1:ϕ_s324.00000°,δ33.00000°,λ51.00000°. NP2:ϕ_s188.00000° ,δ65.00000°,λ112.00000°. Principal axes: T 0.9300,Plg62.0000°,Azm134.0000° ; N 0.3000,Plg20.0000°,Azm358.0000°; P -1.2300,Plg17.0000°,Azm262.0000° $M_0$1.10000×10^{18}
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=114, comp=254, per= 50. Moment Tensor Solution. s108,c241; s89,c121; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s360.00000°,δ27.00000° ,λ106.00000°. NP2:ϕ_s162.00000°,δ64.00000°,λ82.00000°. Principal axes: T 1.0900,Plg70.0000°,Azm55.0000°; N 0.0200,Plg7.0000°,Azm165.0000° ; P -1.1100,Plg18.0000°,Azm258.0000° $M_0$1.10000×10^{18}

(244) Taiwan
ISC VI 12 12 51 53.6–.91 23.98N–.02 121.70E–.02 7–6 3.6b 142 0-83
NIED VI 12 12 51 00 23.80N 121.60E 5 4.3W **¶13066681**
JMA VI 12 12 51 52.5–.30 23.80N 121.56E 23 3.6
IDC VI 12 12 51 52.4–.87 23.98N 121.76E 0 3.8,3.6
NEIC VI 12 12 51 52.9–1.8 23.95N 121.72E 10 4.2L,3.6
BJI VI 12 12 51 53.7 24.04N 121.70E 6 4.0b,3.9L
ISCJB VI 12 12 51 53.5–.32 23.99N–.01 121.70E–.02 3–2 3.5b,3.4s
TAP VI 12 12 51 54.1 24.00N 121.63E 7–0 4.2L,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ78.00000°,λ101.00000°. NP2:ϕ_s196.00000°,δ16.00000°,λ50.00000°. $M_0$2.78000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=27.2km s-min=18.9km az=74.0.
NEIC Event type fe. Error ellipse: s-maj=24.6km s-min=6.7km az=99.0. Recorded [4 TAP] in Hua-lien; [2 TAP] in I-lan and Nan-t'ou; [1 TAP] in T'ai-chung.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=29.0.
TAP B.

(186) Vanuatu Islands
ISC VI 12 14 32 55.6–.41 17.59S–.04 167.79E–.06 34–1 5.0b,4.6s 552 5-166

IDC	VI	12 14 32 50.8–.40	17.55S	167.92E	0	4.8,4.8		**¶13917861**
NEIC	VI	12 14 32 51.9–.18	17.44S	167.69E	10	5.0b,4.8		
LDG	VI	12 14 32 52.3–.17	17.51S	167.47E	10	5.5b,4.6s		
NOU	VI	12 14 32 53.7–1.9	17.81S	168.93E	30	3.7,3.4L		
ISCJB	VI	12 14 32 53.9–.24	17.61S–.03	167.80E–.06	33	4.9b,4.6s		
MOS	VI	12 14 32 56.2–1.0	17.38S	167.24E	33	5.4b,4.8s		
GCMT	VI	12 14 32 58.2–.10	17.55S	167.64E	20–0	5.3W,4.8s		
BJI	VI	12 14 32 59.5	16.52S	167.21E	26	5.3b,5.0b		
DJA	VI	12 14 33 10.8–1.9	18S–11	169E–17	227–21	5.2b,4.7b		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Port-Vila.
LDG Event type ke.
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 100 sta. Moment Tensor Solution. s92,c142; s99,c171; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s9.00000°,δ31.00000°,λ115.00000°. NP2:ϕ_s160.00000°,δ62.00000°,λ75.00000°. Principal axes: T 1.0700,Plg69.0000° ,Azm40.0000°; N 0.0200,Plg13.0000°,Azm167.0000°; P -1.0900,Plg16.0000°,Azm261.0000° $M_0$1.10000×10^{17}

(460) Wyoming

ISC	**VI**	**12 18 02 59.0–.63**	**43.76N–.02**	**105.33W–.02**	**0**		**173**	**0-90**
ISCJB	VI	12 18 02 58.7–.17	43.77N–.01	105.32W–.02	0	4.0b		**¶13681238**
IDC	VI	12 18 02 59.8–1.7	43.97N	105.63W	0	3.9,3.8b		
NEIC	VI	12 18 02 59.6–.30	43.82N	105.27W	0	3.3L,3.8b		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.9km az=150.5.
IDC Error ellipse: s-maj=54.4km s-min=9.0km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=4.0km s-min=3.9km az=121.0. 55 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(456) Montana

ISC	**VI**	**12 20 18 51.2–.70**	**45.11N–.02**	**106.90W–.02**	**0**		**98**	**0-18**
ISCJB	VI	12 20 18 51.6–.20	45.12N–.02	106.91W–.02	0			**¶13681243**
NEIC	VI	12 20 18 51.8–.84	45.20N	106.80W	0	2.8L		
IDC	VI	12 20 18 51.9–1.2	44.62N	106.43W	0	3.6,3.4		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=2.2km az=153.8.
NEIC Event type fm. Error ellipse: s-maj=11.5km s-min=10.0km az=204.0. 45 km [30 miles] NNE of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=42.8km s-min=8.4km az=139.0.

(228) Near east coast of eastern Honshu

ISC	**VI**	**12 21 21 01.3–.98**	**36.77N–.04**	**141.17E–.06**	**33–3**	**3.6b**	**33**	**0-147**
ISCJB	VI	12 21 21 00.1–.93	36.73N–.04	141.24E–.07	42–8	3.5b,3.0s		**¶13681246**
NIED	VI	12 21 21 00	36.80N	141.20E	41	3.7W,3.0s		
JMA	VI	12 21 21 01.3–.10	36.74N	141.12E	42–1	3.8,3.0s		
IDC	VI	12 21 21 04.4–3.4	36.67N	141.12E	63–29	3.6,3.5		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=6.1km az=21.6.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ52.00000°,λ79.00000°. NP2:ϕ_s58.00000°,δ39.00000°,λ103.00000°. $M_0$4.32000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s62.00000°,δ69.00000°,λ99.00000°. NP2: ϕ_s218.00000°,δ23.00000°,λ68.00000°. Principal axes: T Plg65.0000°,Azm347.0000° ; N Plg8.0000°,Azm239.0000°; P Plg23.0000°,Azm145.0000°
IDC Error ellipse: s-maj=27.8km s-min=17.2km az=57.0.

(136) Central Chile

ISC	**VI**	**12 23 29 36.3–.68**	**29.35S–.03**	**70.63W–.08**	**87–6**		**62**	**0-153**
ISCJB	VI	12 23 29 35.4–.40	29.36S–.02	70.62W–.09	91–5	3.7b		**¶13681257**
NEIC	VI	12 23 29 35.7	29.35S	70.70W	81	4.8		
GUC	VI	12 23 29 35.7–.69	29.35S	70.70W	81–3	4.8L		
IDC	VI	12 23 29 37.2–.87	29.28S	70.49W	89–6	3.6,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=4.0km az=3.7.
NEIC Event type fe. Felt [II] at Alto del Carmen, Copiapo and Vallenar. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=16.2km az=-1.0.
IDC Error ellipse: s-maj=26.4km s-min=11.1km az=60.0.

(224) Hokkaido region

ISC	**VI**	**13 14 21 13.0–.76**	**41.83N–.06**	**143.41E–.07**	**41–6**	**3.9b**	**45**	**0-147**
NIED	VI	13 14 21 00	41.80N	143.40E	32	3.9W		**¶13681289**
ISCJB	VI	13 14 21 10.7–.69	41.72N–.05	143.49E–.07	46–5	3.9b		
MOS	VI	13 14 21 11.2–.92	41.76N	143.44E	50	4.3b		
JMA	VI	13 14 21 12.6–.10	41.83N	143.44E	29–1	3.8		
IDC	VI	13 14 21 13.8–2.3	41.77N	143.39E	53–18	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ71.00000°,λ92.00000°. NP2:ϕ_s192.00000°,δ19.00000°,λ83.00000°. $M_0$6.86000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.6km az=37.7.
MOS Error ellipse: s-maj=16.0km s-min=10.1km az=79.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=18.5km s-min=13.6km az=109.0.

(90) Puerto Rico region

ISC	**VI**	**13 16 12 31.9–.88**	**19.11N–.03**	**66.58W–.03**	**18–3**	**4.9b,4.6s**	**535**	**1-160**
RSPR	VI	13 16 12 32.4	19.18N	66.59W	9–3	5.0,4.6s		**¶13440065**
ISCJB	VI	13 16 12 32.5–.44	19.11N–.03	66.62W–.02	35–5	4.8b,4.5s		
NEIC	VI	13 16 12 32.4	19.18N	66.59W	9	5.0b,4.9		
MOS	VI	13 16 12 33.0–.94	19.08N	66.67W	40	5.1b,4.5s		
IDC	VI	13 16 12 34.8–.45	19.06N	66.66W	43–4	4.4s,4.4		
GCMT	VI	13 16 12 35.9–.20	19.31N	66.59W	12	4.9W,4.4		
BJI	VI	13 16 12 35.6	19.00N	66.60W	42	5.2b,5.0s		
SZGRF	VI	13 16 12 35.1	18.85N	66.18W	33	5.0b,5.0s		
LDG	VI	13 16 12 41.6–.55	18.83N	66.68W	127	4.6b,4.1s		

ISC Event type fe.
RSPR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.0km az=12.6.
NEIC Event type fe. Felt [II] at San Juan. Also felt at Barranquitas, Bayamon, Canovanas, Carolina, Cidra, Corozal and Guaynabo. After RSPR.
MOS Error ellipse: s-maj=6.3km s-min=4.6km az=65.8.
IDC Error ellipse: s-maj=10.2km s-min=8.0km az=94.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c48; s87,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.20±.08 $M_{\theta\theta}$3.08±.07; $M_{\phi\phi}$0.12±.09; $M_{r\theta}$0.39±.23; $M_{\theta\phi}$0.26±.07; $M_{\phi r}$0.11±.31; Best double couple: NP1:ϕ_s86.00000°,δ41.00000°,λ-88.00000°. NP2:ϕ_s264.00000°,δ49.00000°,λ-92.00000°. Principal axes: T 3.1300,Plg4.0000° ,Azm355.0000°; N 0.1000,Plg1.0000°,Azm265.0000°; P -3.2300,Plg86.0000°,Azm155.0000° $M_0$3.20000×10^{16}
SZGRF Puerto Rico region.
LDG Event type ke. Error ellipse: s-maj=27.8km s-min=14.7km az=84.0.

(329) Eastern Kazakhstan

ISC	**VI**	**13 17 17 39.2–.29**	**44.73N–.02**	**78.83E–.02**	**19–1**	**5.7b,5.2s**	**1701**	**2-157**
BGS	VI	13 17 17 21.1–1.2	43.44N	81.41E	10	5.5s,5.4b		**¶13196642**
LDG	VI	13 17 17 34.9–.11	44.57N	78.81E	10	5.8b,4.8s		
SZGRF	VI	13 17 17 34.1	43.82N	79.46E	13	5.8b,4.8s		
IDC	VI	13 17 17 36.1–.26	44.72N	78.88E	0	5.5,5.5		
ISCJB	VI	13 17 17 36.7–.08	44.74N–.01	78.87E–.01	13	5.6b,5.1s		
NEIC	VI	13 17 17 37.7–.08	44.73N	78.87E	11	5.8b,5.4W		
BJI	VI	13 17 17 38.2	44.78N	79.02E	21	5.9L,5.7s		
TEH	VI	13 17 17 38.0	44.71N	78.88E	13	5.5L,5.7s		
MOS	VI	13 17 17 39.6–.87	44.80N	78.91E	33	5.9b,5.1s		
GCMT	VI	13 17 17 40.6–.10	44.77N	78.83E	12–0	5.4W,5.1s		
NNC	VI	13 17 17 40.8–.50	44.95N	78.58E	20–2	6.1b,5.8		
DJA	VI	13 17 17 41.8–2.1	45N–8.0	79E–4.0	24–17	6.8,5.9b		

ISC Event type de.
LDG Event type ke.
SZGRF Lake Issyk-Kul, Kyrgyzstan, region.
ISCJB Event type de.
NEIC Event type de. One person died of a heart attack and several buildings damaged [VII] at Tekeli. Felt [III] at Almaty. Also felt at Druzhba and Ushtobe. Felt at Yining, China. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s62 Moment tensor: Scale 10^{17}Nm; M_{rr}1.16 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$-0.13 $M_{r\theta}$-0.60 $M_{\theta\phi}$-0.31 $M_{\phi r}$0.24 Best double couple: NP1:ϕ_s269.00000° ,δ59.00000°,λ107.00000°. NP2:ϕ_s58.00000°,δ35.00000°,λ64.00000°. Principal axes: T 1.3800,Plg70.0000°,Azm217.0000°; N -0.1400,Plg14.0000°,Azm80.0000° ; P -1.2300,Plg12.0000°,Azm346.0000° $M_0$1.30000×10^{17}
MOS Event type fe. Felt (III) at Almaty. Moment Tensor Solution.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 99, comp=206, per= 50. Moment Tensor Solution. s82,c142; s22,c22; Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.02 $M_{\theta\theta}$-1.40±.02; $M_{\phi\phi}$0.30±.02; $M_{r\theta}$-0.16±.04; $M_{\theta\phi}$-0.86±.02; $M_{\phi r}$0.49±.05; Best double couple: NP1:ϕ_s276.00000°,δ53.00000°,λ133.00000°. NP2:ϕ_s39.00000°,δ55.00000°,λ48.00000°. Principal axes: T 1.4400,Plg57.0000°,Azm248.0000°; N 0.3200,Plg33.0000°,Azm67.0000° ; P -1.7600,Plg1.0000°,Azm157.0000° $M_0$1.60000×10^{17}

(460) Wyoming

ISC	**VI**	**13 18 01 34.3–.61**	**43.73N–.02**	**105.34W–.03**	**0**		**100**	**0-82**
ISCJB	VI	13 18 01 33.6–.24	43.70N–.02	105.31W–.03	0	4.1b		**¶13681301**
NEIC	VI	13 18 01 34.5–.33	43.75N	105.25W	0	3.4L		
IDC	VI	13 18 01 35.6–.83	44.00N	105.74W	0	4.0b,3.8		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.8km s-min=2.5km az=139.2.
NEIC Event type fm. Error ellipse: s-maj=4.9km s-min=3.9km az=154.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.8km s-min=7.7km az=147.0.

(115) Near coast of Peru

ISC	**VI**	**13 20 10 52.0–.25**	**17.45S–.04**	**70.90W–.05**	**62–1**	**5.1b**	**614**	**1-178**
MOS	VI	13 20 10 48.4–.96	17.26S	70.85W	39	5.4b		**¶13066704**
ISCJB	VI	13 20 10 49.0–.65	17.34S–.03	70.89W–.04	47–6	5.0b,4.4s		
BJI	VI	13 20 10 50.0	17.68S	71.51W	52	5.4s,5.3b		
NEIC	VI	13 20 10 52.1–.15	17.36S	70.80W	61	5.1b,5.3b		
GUC	VI	13 20 10 52.8–.69	18.00S	71.52W	35–14	5.2L,5.3b		
IDC	VI	13 20 10 52.3–.35	17.40S	70.87W	64–2	4.7,4.7		
LDG	VI	13 20 10 56.7–.50	17.11S	70.50W	92	4.8b,4.2s		
GCMT	VI	13 20 10 57.5–.20	17.67S	71.08W	95–2	5.2W,4.2s		

ISC Event type fe.
MOS Error ellipse: s-maj=9.1km s-min=6.2km az=100.8.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.2km az=139.3.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=56.0. Felt [III] at Arequipa and Mollendo and [II] at Puno. Also felt at Ilo, Moquegua, Punta de Bombon and Tacna. Felt at Arica, Chile and at El Alto and La Paz, Bolivia.
GUC Error ellipse: s-maj=24.8km s-min=13.4km az=-1.0.
IDC Error ellipse: s-maj=11.5km s-min=8.2km az=66.0.
LDG Event type ke. Error ellipse: s-maj=30.1km s-min=14.1km az=46.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s73,c114; s93,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}1.31±.19 $M_{\theta\theta}$-4.20±.20; $M_{\phi\phi}$2.88±.24; $M_{r\theta}$5.20±.11; $M_{\theta\phi}$1.00±.19; $M_{\phi r}$-5.42±.14; Best double couple: NP1:ϕ_s237.00000°,δ25.00000°,λ12.00000°. NP2:ϕ_s135.00000°,δ85.00000°,λ115.00000°. Principal axes: T 8.2300,Plg45.0000° ,Azm70.0000°; N 0.3900,Plg25.0000°,Azm313.0000°; P -8.6400,Plg35.0000°,Azm204.0000° $M_0$8.40000×10^{16}

(135) Near coast of central Chile

ISC	**VI**	**13 21 22 06.4–.45**	**30.71S–.03**	**71.70W–.05**	**28–2**	**4.9b,4.6s**	**210**	**1-176**
IDC	VI	13 21 22 02.3–.48	30.69S	71.62W	0	4.7,4.7b		**¶13066708**
BJI	VI	13 21 22 05.4	30.74S	71.48W	28	4.9s,4.9b		
GUC	VI	13 21 22 05.2–.86	30.66S	71.79W	30–4	5.3L,4.9b		
NEIC	VI	13 21 22 06.7–.15	30.65S	71.63W	28	5.3L,4.9b		
ISCJB	VI	13 21 22 06.8–.66	30.68S–.03	71.73W–.07	42–6	4.7b,4.6s		
GCMT	VI	13 21 22 10.2–.30	30.80S	71.99W	34–1	5.0W,4.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=20.7km s-min=14.2km az=90.0.
GUC Error ellipse: s-maj=2.2km s-min=5.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=2.7km az=78.0. Felt [III] at Canela and [II] at Coquimbo, Illapel, La Serena and Los Vilos. Also felt at Copiapo, Monte Patria, Santiago, Vallenar, Vicuna and Vina del Mar. Felt at San Juan, Argentina.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=4.3km az=6.2.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s45,c55; s60,c82; Moment tensor: Scale 10^{16}Nm; M_{rr}3.77±.19 $M_{\theta\theta}$0.46±.14; $M_{\phi\phi}$-4.23±.13; $M_{r\theta}$0.17±.16; $M_{\theta\phi}$0.51±.10; $M_{\phi r}$-2.47±.17; Best double couple: NP1:ϕ_s352.00000°,δ29.00000°,λ88.00000°. NP2:ϕ_s175.00000°,δ61.00000°,λ91.00000°. Principal axes: T 4.4700,Plg74.0000° ,Azm89.0000°; N 0.5200,Plg1.0000°,Azm355.0000°; P -4.9800,Plg16.0000°,Azm264.0000° $M_0$4.70000×10^{16}

(278) Bali Sea

ISC	**VI**	**14 03 36 02.2–.42**	**7.66S–.03**	**117.23E–.03**	**30–2**	**5.6b,5.0s**	**746**	**1-175**
IDC	VI	14 03 35 57.9–.31	7.71S	117.08E	0	5.2,5.2		**¶15156093**
MOS	VI	14 03 35 57.8–.79	7.62S	117.15E	10	5.9b,4.9s		
NEIC	VI	14 03 36 00.1–.13	7.69S	117.20E	17	5.6b,5.4W		
BJI	VI	14 03 36 01.0	7.70S	117.20E	35	5.7b,5.5b		
AUST	VI	14 03 36 01.1–.76	7.75S	117.29E	12–0	5.7b,5.5b		
ISCJB	VI	14 03 36 02.6–.33	7.67S–.02	117.19E–.02	44–3	5.5b,5.0s		
TEH	VI	14 03 36 04.0	7.62S	117.22E	40	5.7L,5.0s		
DJA	VI	14 03 36 04.6–.40	8S–2.0	117E–1.0	30–4	6.0,5.9b		
GCMT	VI	14 03 36 05.8–.10	7.73S	117.18E	28–0	5.5W,5.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.3km s-min=9.1km az=65.0.
MOS Error ellipse: s-maj=9.2km s-min=5.3km az=113.7.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=55.0. Felt [IV] at Sumbawa Besar, Sumbawa and [III] at Denpasar, Bali and at Mataram, Lombok. Also felt at Ubud, Bali. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$-0.20 $M_{r\theta}$0.47 $M_{\theta\phi}$0.13 $M_{\phi r}$0.28 Best double couple: NP1:ϕ_s85.00000°,δ55.00000°,λ78.00000°. NP2:ϕ_s286.00000°,δ37.00000°,λ106.00000°. Principal axes: T 1.6000,Plg76.0000° ,Azm316.0000°; N -0.2400,Plg9.0000°,Azm92.0000°; P -1.3500,Plg9.0000°,Azm184.0000° $M_0$1.50000×10^{17}
AUST Error ellipse: s-maj=0.7km s-min=0.4km az=30.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=3.0km az=24.8.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=203, per= 50. Moment Tensor Solution. s91,c161; s39,c41; Moment tensor: Scale 10^{17}Nm; M_{rr}1.73±.03 $M_{\theta\theta}$-1.96±.02; $M_{\phi\phi}$0.23±.02; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-0.04±.02; $M_{\phi r}$0.06±.04; Best double couple: NP1:ϕ_s271.00000°,δ37.00000°,λ93.00000°. NP2:ϕ_s87.00000°,δ53.00000°,λ88.00000°. Principal axes: T 1.8100,Plg82.0000°,Azm348.0000°; N 0.2300,Plg2.0000°,Azm89.0000° ; P -2.0400,Plg8.0000°,Azm179.0000° $M_0$1.90000×10^{17}

(73) El Salvador

ISC	**VI**	**14 03 55 24.8–.85**	**13.13N–.05**	**89.98W–.04**	**54–7**	**4.4b,4.0s**	**145**	**1-147**
CASC	VI	14 03 55 23.1–1.9	13.08N	90.00W	23–8	4.5b,4.4L		**¶13066722**
ISCJB	VI	14 03 55 23.2–.46	13.08N–.04	90.00W–.03	52–4	4.4b,4.1s		
MEX	VI	14 03 55 25.2–.46	12.84N	90.34W	14–928	4.4,4.1s		
BJI	VI	14 03 55 27.5	13.20N	89.60W	91	5.0b,4.1s		
IDC	VI	14 03 55 28.3–3.1	13.34N	89.57W	77–28	4.1,4.0		
NEIC	VI	14 03 55 29.6–1.0	13.27N	89.59W	90–9	4.5b,4.5		

ISC Event type fe.
CASC Error ellipse: s-maj=6.1km s-min=5.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.4km az=39.2.
MEX Error ellipse: s-maj=167.3km s-min=128.4km az=-1.0.
IDC Error ellipse: s-maj=25.8km s-min=10.3km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=4.6km az=62.0. Felt [II] at San Salvador.

(263) Talaud Islands

MAN	**VI**	**14 05 17 39**	**4.68N**	**126.71E**	**33**	**6.5b,6.3s**		**¶14717986**

MAN Event type fe. INTENSITY II - DAVAO CITY & GENERAL SANTOS CITY.

(254) Panay

MAN	**VI**	**14 05 17 40**	**10.83N**	**122.06E**	**8**	**4.7b,3.5s**		**¶14717987**

MAN Event type fe. INTENSITY III - SAN REMIGIO ANTIQUE;INTENSITY II - SIBALOM ANTIQUE.

(259) Mindanao

ISC	**VI**	**14 05 58 44.8–.25**	**5.34N–.02**	**126.50E–.03**	**47–1**	**5.8b,5.7s**	**1281**	**2-170**
BJI	VI	14 05 58 40.8	5.05N	126.54E	49	6.2b,5.9s		**¶13469967**
AUST	VI	14 05 58 40.8–1.5	5.19N	126.68E	5–0	6.2b,5.9s		
MOS	VI	14 05 58 42.5–1.1	5.41N	126.37E	39	6.0b,5.6s		
IDC	VI	14 05 58 42.3–1.3	5.30N	126.27E	28–7	5.6,5.5		
NEIC	VI	14 05 58 43.3–.11	5.36N	126.44E	35	6.1W,6.0W		
ISCJB	VI	14 05 58 46.0–.34	5.37N–.02	126.53E–.02	75–2	5.7b,6.0W		
DJA	VI	14 05 58 47.3–.30	5N–2.0	127E–2.0	54–3	6.6,6.2b		
GCMT	VI	14 05 58 48.8–.10	5.32N	126.60E	37–0	6.1W,6.2b		
TEH	VI	14 05 58 48.0	5.36N	126.41E	76	6.3L,6.2b		

ISC Event type fe.
AUST Error ellipse: s-maj=0.9km s-min=0.6km az=40.0.
MOS Error ellipse: s-maj=8.5km s-min=4.5km az=114.7.
IDC Error ellipse: s-maj=14.0km s-min=6.7km az=75.0.

NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.3km az=73.0. Felt [II PIVS] at Davao and General Santos. Also felt at Governor Generoso. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s54 Moment tensor: Scale 10^{18}Nm; M_{rr}0.90 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-1.31 $M_{r\theta}$0.38 $M_{\theta\phi}$0.21 $M_{\phi r}$0.28 Best double couple: NP1:ϕ_s19.00000°,δ57.00000°,λ125.00000°. NP2:ϕ_s146.00000° ,δ46.00000°,λ48.00000°. Principal axes: T 1.1500,Plg60.0000°,Azm343.0000° ; N 0.2000,Plg28.0000°,Azm177.0000°; P -1.3600,Plg6.0000°,Azm84.0000° $M_0$1.30000×10^{18} Moment Tensor Solution. $M_0$2.40000×10^{18}

ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=167.5.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=127, comp=283, per= 50. Moment Tensor Solution. s118,c272; s90,c140; Moment tensor: Scale 10^{18}Nm; M_{rr}1.35±.01 $M_{\theta\theta}$0.49±.01; $M_{\phi\phi}$-1.84±.01; $M_{r\theta}$0.86±.02; $M_{\theta\phi}$-0.07±.01; $M_{\phi r}$0.64±.02; Best double couple: NP1:ϕ_s154.00000°,δ41.00000°,λ44.00000°. NP2:ϕ_s28.00000°,δ63.00000°,λ122.00000°. Principal axes: T 1.9500,Plg59.0000°,Azm345.0000°; N 0.0300,Plg28.0000°,Azm192.0000° ; P -1.9900,Plg12.0000°,Azm96.0000° $M_0$2.00000×10^{18}

(162) South Island

WEL	**VI**	**14 09 31 20.3–.10**	**43.73S**	**171.61E**	**5**	**3.7L**		**¶14306022**

WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.9km az=0.0. Felt in the Canterbury region, maximum reported intensity MM 4.

(235) Kyushu

ISC	**VI**	**14 10 17 55.4–.70**	**33.13N–.04**	**132.09E–.03**	**61–6**	**4.3b**	**69**	**0-123**
ISCJB	VI	14 10 17 54.1–.31	33.13N–.04	132.09E–.03	68–3	4.1b		**¶13681351**
JMA	VI	14 10 17 55.5	33.11N	132.11E	56–1	4.2		
NEIC	VI	14 10 17 55.7–.62	33.14N	131.99E	64–5	4.5b,4.2W		
IDC	VI	14 10 17 57.5–1.2	33.12N	131.81E	78–9	4.0,3.9b		
NIED	VI	14 10 18 00	33.10N	132.10E	44	4.3W,3.9b		

ISC Event type se.

ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.6km az=159.7.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s130.00000°,δ85.00000°,λ-158.00000°. NP2:ϕ_s38.00000°,δ69.00000°,λ-6.00000°. Principal axes: T Plg11.0000°,Azm262.0000°; N Plg68.0000°,Azm144.0000°; P Plg19.0000° ,Azm356.0000°

NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=8.5km az=93.0. Recorded [2 JMA] in Kumamoto, Miyazaki and Oita. Also recorded [2 JMA] in Ehime and Kochi, Shikoku and [1 JMA] in Hiroshima and Yamaguchi, Honshu. Moment Tensor Solution. $M_0$2.90000×10^{15}

IDC Error ellipse: s-maj=20.1km s-min=10.9km az=79.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ75.00000°,λ152.00000°. NP2:ϕ_s48.00000°,δ63.00000°,λ16.00000°. $M_0$2.92000×10^{15}

(327) Lake Baykal region

ISC	**VI**	**14 10 30 11.9–1.0**	**51.72N–.03**	**104.06E–.02**	**5–9**		**69**	**0-22**
MOS	VI	14 10 30 11.6–1.9	51.67N	104.10E	18	4.3b		**¶14306039**
BYKL	VI	14 10 30 12.1–.19	51.70N	104.07E	10–4	4.3b		

ISC Event type se.

MOS Event type fe. Error ellipse: s-maj=16.4km s-min=10.5km az=61.5. Felt (II-III) at Baykal'sk, (II) at Slyudyanka. Moment Tensor Solution.

BYKL Event type se. FELT I=III-IV MSK at Baikalsk; III at Sluydyuanka.

(115) Near coast of Peru

ISC	**VI**	**14 10 35 15.7–.51**	**17.55S–.06**	**71.00W–.08**	**66–4**	**4.3b**	**68**	**1-143**
ISCJB	VI	14 10 35 15.0–.48	17.44S–.05	70.90W–.07	72–5	4.1b		**¶13681354**
IDC	VI	14 10 35 15.9–.67	17.41S	70.80W	63–5	4.1,4.0		
GUC	VI	14 10 35 16.4–.42	18.19S	71.58W	20	5.0L,4.0		
NEIC	VI	14 10 35 17.1–.67	17.52S	70.89W	78–7	4.4b,4.0		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=5.0km az=149.9.

IDC Error ellipse: s-maj=19.8km s-min=12.9km az=51.0.

GUC Error ellipse: s-maj=4.0km s-min=3.1km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=7.4km az=58.0. Felt [III] at Ilo and [II] at Arequipa.

(70) Guatemala

ISC	**VI**	**14 14 18 19.2–.74**	**15.36N–.03**	**90.58W–.03**	**34–2**	**4.9b,4.5s**	**439**	**1-146**
CASC	VI	14 14 18 12.4–3.3	15.53N	90.69W	0–18	5.2L,4.9b		**¶13383481**
IDC	VI	14 14 18 14.0–.65	15.32N	90.43W	0	5.2L,4.6		
ISCJB	VI	14 14 18 17.5–.32	15.36N–.02	90.61W–.02	33–3	4.8b,4.6s		
GCMT	VI	14 14 18 17.7–.20	15.48N	90.56W	15–1	5.1W,4.6s		
NEIC	VI	14 14 18 19.9–.48	15.34N	90.58W	43–4	5.3,4.9b		
BJI	VI	14 14 18 21.1	15.40N	90.50W	47	5.3b,5.2s		
SZGRF	VI	14 14 18 29.7	15.88N	88.09W	33	5.2b,4.6s		

ISC Event type fe.

CASC Error ellipse: s-maj=36.1km s-min=16.0km az=-1.0.

IDC Error ellipse: s-maj=22.5km s-min=12.4km az=49.0.

ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.8km az=38.4.

GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s45,c67; s85,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}0.01±.13 $M_{\theta\theta}$0.86±.12; $M_{\phi\phi}$-0.87±.14; $M_{r\theta}$0.70±.23; $M_{\theta\phi}$4.99±.13; $M_{\phi r}$0.19±.24; Best double couple: NP1:ϕ_s5.00000°,δ82.00000°,λ177.00000°. NP2:ϕ_s95.00000°,δ87.00000°,λ8.00000°. Principal axes: T 5.1400,Plg7.0000°,Azm320.0000° ; N -0.0600,Plg82.0000°,Azm115.0000°; P -5.0900,Plg3.0000°,Azm230.0000° $M_0$5.10000×10^{16}

NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.4km az=205.0. Felt [VI] at San Cristobal Verapaz, [V] at Coban and [III] at Guatemala and Mixco. Also felt at Antigua Guatemala, Chisec, Fraijanes, Jalapa, Panajachel, Petapa, San Andres Sajcabaja, San Benito, Santa Catarina Mita, Santa Catarina Pinula, Tactic and Villa Nueva. Felt [II] at Santa Ana, El Salvador. Felt [II] at Belize City, Belize. Also felt at Dangriga. Felt at Copan, Honduras.

SZGRF Honduras.

(228) Near east coast of eastern Honshu

ISC	**VI**	**14 18 32 22.1–.68**	**40.91N–.03**	**141.96E–.04**	**93–6**	**4.2b**	**130**	**1-148**
NIED	VI	14 18 32 00	40.90N	141.90E	98	4.3W		**¶13383484**
MOS	VI	14 18 32 13.5–1.5	40.66N	141.71E	33	4.5b		
ISCJB	VI	14 18 32 21.2–.28	40.92N–.03	141.91E–.05	100–2	4.2b		
NEIC	VI	14 18 32 21.9–.53	40.86N	141.91E	93–5	4.7b,4.2W		
IDC	VI	14 18 32 21.4–1.4	40.88N	141.90E	86–12	4.0,3.9		
JMA	VI	14 18 32 22.1–.10	40.92N	141.91E	93–1	4.0,3.9		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ86.00000°,λ-108.00000°. NP2:ϕ_s31.00000°,δ19.00000°,λ-12.00000°. $M_0$2.82000×10^{15}

MOS Error ellipse: s-maj=15.0km s-min=9.0km az=84.5.

ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.3km az=29.9.

NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.8km az=134.0. Recorded [2 JMA] in Aomori and [1 JMA] in Iwate. Recorded [1 JMA] in southwestern Hokkaido. Moment Tensor Solution. $M_0$2.80000×10^{15}

IDC Error ellipse: s-maj=13.5km s-min=9.1km az=117.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s184.00000°,δ77.00000°,λ-90.00000°. NP2: ϕ_s4.00000°,δ13.00000°,λ-90.00000°. Principal axes: T Plg32.0000°,Azm274.0000° ; N Plg0.0000°,Azm4.0000°; P Plg58.0000°,Azm94.0000°

(23) British Columbia

PGC	**VI**	**14 21 28 17.6–.01**	**56.53N**	**122.05W**	**1**	**3.5L**		**¶13196852**

PGC Event type fe. 79km Wnw of Fort St. John, Bc British Columbia Felt (I) at Upper Halfway.

(78) Costa Rica

ISC	**VI**	**15 05 16 24.6–1.8**	**10.45N–.06**	**86.27W–.05**	**9–10**	**4.4b,3.7s**	**75**	**1-140**
ISCJB	VI	15 05 16 23.8–1.6	10.48N–.07	86.37W–.03	11–11	4.3b,3.8s		**¶13077667**
CASC	VI	15 05 16 25.6–1.5	10.43N	86.20W	0–20	4.5b,4.1		
NEIC	VI	15 05 16 30.5–.88	10.98N	85.67W	35	4.5b,4.1		
IDC	VI	15 05 16 35.0–6.3	11.21N	85.71W	75–55	4.0,3.7		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=4.1km az=3.1.

CASC Error ellipse: s-maj=8.2km s-min=38.0km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=25.5km s-min=12.6km az=53.0. Felt at Santa Cruz.

IDC Error ellipse: s-maj=42.4km s-min=17.2km az=51.0.

(246) Southwestern Ryukyu Islands

ISC	**VI**	**15 06 40 08.5–.82**	**24.63N–.08**	**125.50E–.05**	**46–6**	**4.2b,3.4s**	**81**	**0-85**
NIED	VI	15 06 40 00	24.90N	125.40E	53	4.2W,3.4s		**¶13681402**
ISCJB	VI	15 06 40 08.4–.42	24.80N–.06	125.41E–.04	52–3	4.0b,3.2s		
JMA	VI	15 06 40 09.6–.10	24.82N	125.38E	46–1	4.2,3.2s		
NEIC	VI	15 06 40 10.0–.79	24.78N	125.35E	51–7	4.2b,3.2s		
IDC	VI	15 06 40 12.6–4.4	24.88N	125.32E	71–41	4.0,3.8		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s59.00000°,δ80.00000°,λ97.00000°. NP2:ϕ_s205.00000°,δ12.00000°,λ57.00000°. $M_0$2.56000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=3.3km az=151.8.

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

NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=7.0km az=146.0. Recorded [2 JMA] on Miyako-jima and [1 JMA] on Tarama-shima.

IDC Error ellipse: s-maj=20.9km s-min=16.0km az=77.0.

(115) Near coast of Peru

ISC	**VI**	**15 13 04 35.7–.31**	**13.67S–.04**	**76.23W–.06**	**42–2**	**5.4b,4.7s**	**670**	**2-173**
ISCJB	VI	15 13 04 33.2–.90	13.53S–.04	76.21W–.04	33–8	5.3b,4.8s		**¶13107621**
MOS	VI	15 13 04 33.5–.93	13.51S	76.26W	32	5.5b,4.7s		
NEIC	VI	15 13 04 36.1–.14	13.56S	76.13W	42	5.4b,5.3W		
BJI	VI	15 13 04 36.0	13.50S	76.10W	42	5.3b,5.1s		
IDC	VI	15 13 04 36.1–.45	13.59S	76.24W	44–3	4.8,4.8		
GCMT	VI	15 13 04 40.5–.10	13.63S	76.67W	52–0	5.4W,4.8		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.3km az=136.5.

MOS Error ellipse: s-maj=9.3km s-min=5.4km az=105.4.

NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=2.8km az=52.0. Felt [IV] at Barranca, Ica and Pisco; [III] at Mala; [II] at Lima. Also felt at Chilca, Chincha Alta, Chosica, San Luis and San Vicente de Canete. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s19.00000°,δ28.00000° ,λ99.00000°. NP2:ϕ_s189.00000°,δ62.00000°,λ85.00000°. Principal axes: T 1.1100,Plg72.0000°,Azm87.0000°; N 0.0700,Plg4.0000°,Azm190.0000° ; P -1.1800,Plg17.0000°,Azm282.0000° $M_0$1.10000×10^{17}

IDC Error ellipse: s-maj=16.5km s-min=9.4km az=61.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s84,c147; s88,c143; Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.03 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-1.26±.02; $M_{r\theta}$-0.06±.02; $M_{\theta\phi}$0.42±.02; $M_{\phi r}$-0.80±.02; Best double couple: NP1:ϕ_s330.00000°,δ31.00000°,λ67.00000°. NP2:ϕ_s176.00000°,δ62.00000°,λ103.00000°. Principal axes: T 1.4100,Plg70.0000° ,Azm115.0000°; N 0.1800,Plg12.0000°,Azm350.0000°; P -1.5900,Plg16.0000° ,Azm257.0000° $M_0$1.50000×10^{17}

(731) North of Honduras

ISC	**VI**	**15 16 00 54.1–.89**	**16.36N–.04**	**87.18W–.05**	**16–5**	**4.7b,4.2s**	**246**	**2-145**
CASC	VI	15 16 00 51.5–4.3	16.96N	87.09W	37–449	5.2L,4.8b		**¶13383488**
IDC	VI	15 16 00 51.9–.62	16.30N	87.04W	0	4.6,4.5		
NEIC	VI	15 16 00 53.8–.26	16.32N	87.04W	10	4.8b,4.5		
BJI	VI	15 16 00 53.8	16.40N	87.10W	10	5.3b,5.1s		
ISCJB	VI	15 16 00 56.2–.17	16.48N–.02	86.96W–.03	33	4.6b,4.2s		
SZGRF	VI	15 16 00 56.2	15.87N	86.88W	33	4.8b,4.2s		
GCMT	VI	15 16 00 58.3–.20	16.45N	87.19W	16–1	5.1W,4.2s		

ISC Event type fe.

CASC Error ellipse: s-maj=216.8km s-min=170.9km az=-1.0.

IDC Error ellipse: s-maj=23.8km s-min=11.7km az=64.0.

NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.1km az=221.0. Felt [IV] at La Ceiba, San Pedro Sula, Tela and Utila; [III] at Sandy Bay; [II] at Roatan and Tegucigalpa. Also felt at Agalteca, Catacamas, El Eden, El Mochito, El Progreso, French Harbor, Guaymitas, Jose Santos Guardiola, La Lima, La Masica, Puerto Cortes, San Manuel and Villanueva. Felt [II] at Belize City, Belize.

ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.9km az=13.2.

SZGRF Honduras.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s43,c51; s78,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.34±.12 $M_{\theta\theta}$-3.93±.11; $M_{\phi\phi}$4.27±.13; $M_{r\theta}$-3.81±.51; $M_{\theta\phi}$1.01±.10; $M_{\phi r}$0.49±.32; Best double couple: NP1:ϕ_s47.00000°,δ68.00000°,λ-24.00000°. NP2:ϕ_s147.00000°,δ68.00000°,λ-156.00000°. Principal axes: T 4.3900,Plg0.0000° ,Azm277.0000°; N 2.0700,Plg58.0000°,Azm186.0000°; P -6.4600,Plg32.0000°,Azm7.0000° $M_0$5.40000×10^{16}

(460) Wyoming

ISC	**VI**	**15 19 04 03.0–.55**	**43.77N–.02**	**105.32W–.02**	**0**	**3.9b**	**162**	**0-90**
ISCJB	VI	15 19 04 02.3–.17	43.75N–.01	105.31W–.02	0	3.9b		**¶13681448**
NEIC	VI	15 19 04 02.8–.34	43.79N	105.19W	0	3.4L		
IDC	VI	15 19 04 04.2–.95	44.03N	105.69W	0	3.8,3.8b		

ISC Event type sm.

ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.6km az=152.2.

NEIC Event type fm. Error ellipse: s-maj=4.9km s-min=4.4km az=182.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.

IDC Error ellipse: s-maj=23.6km s-min=8.3km az=146.0.

(2) Southern Alaska

ISC	**VI**	**15 20 37 03.7–.63**	**59.31N–.04**	**153.01W–.04**	**92–5**	**4.1b**	**133**	**0-149**
IDC	VI	15 20 37 01.7–1.2	59.38N	153.28W	68–13	4.0,3.9		**¶13681454**
ISCJB	VI	15 20 37 02.2–.21	59.30N–.03	152.94W–.05	98–2	4.0b,3.9		
NEIC	VI	15 20 37 04.7	59.34N	153.06W	82	4.3b,3.9		

ISC Event type fe.

IDC Error ellipse: s-maj=13.3km s-min=9.9km az=101.0.

ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.1km az=140.8.

NEIC Event type fe. Felt at Homer and Sterling. After AEIC.

(528) Brazil

ISC	**VI**	**15 22 15 45.0–.31**	**18.57S–.05**	**55.85W–.06**	**10**	**4.8b,4.6s**	**205**	**6-162**
LDG	VI	15 22 15 42.3–.29	18.63S	56.17W	10	4.8b,3.5s		**¶13111661**
ISCJB	VI	15 22 15 43.9–.24	18.48S–.05	55.80W–.04	10	4.7b,4.4s		
BJI	VI	15 22 15 43.1	18.98S	56.33W	10	5.2s,5.2b		
IDC	VI	15 22 15 43.5–.55	18.44S	55.75W	0	4.7,4.7L		
NEIC	VI	15 22 15 45.2–.18	18.51S	55.80W	10	4.9b,4.7L		

ISC Event type fe.

LDG Event type ke. Error ellipse: s-maj=33.1km s-min=7.7km az=154.0.

ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=5.7km az=166.8.

IDC Error ellipse: s-maj=17.4km s-min=12.1km az=8.0.

NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.4km az=194.0. Felt [IV] at Coxim and [III] at Campo Grande. Also felt at Corumba, Cuiaba, Goiania, Rio Verde de Mato Grosso and Rondonopolis.

(228) Near east coast of eastern Honshu

JMA	**VI**	**15 23 33 04.7–.10**	**38.91N**	**142.11E**	**44–1**	**3.7**		
NIED	VI	15 23 33 00	38.90N	142.10E	20	3.5W		**¶14489923**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ53.00000°,λ-75.00000°. NP2:ϕ_s168.00000°,δ40.00000°,λ-109.00000°. $M_0$1.72000×10^{14}

(663) Sea of Okhotsk

ISC	**VI**	**16 00 03 55.6–.24**	**47.16N–.03**	**145.62E–.03**	**397–1**	**5.2b**	**1588**	**2-154**
NIED	VI	16 00 03 00	46.70N	145.90E	480	5.1W		**¶13197034**
DJA	VI	16 00 03 49.2–5.7	47N–16	146E–30	348–56	5.2b,5.1b		
MOS	VI	16 00 03 53.8–.79	47.24N	145.60E	386	5.3b,5.1b		
BJI	VI	16 00 03 54.1	47.35N	145.66E	393	4.8b,4.6b		
SKHL	VI	16 00 03 54.9–2.1	47.17N	145.90E	391–6	5.5,5.4b		
JMA	VI	16 00 03 54.1–.30	46.73N	145.92E	438	5.1,5.4b		
ISCJB	VI	16 00 03 54.5–.16	47.20N–.02	145.60E–.02	393–2	5.1b,5.4b		
NEIC	VI	16 00 03 55.4–.37	47.22N	145.54E	389–4	5.2b,5.4b		
TEH	VI	16 00 03 56.0	47.23N	145.48E	393	5.1L,5.4b		
IDC	VI	16 00 03 56.4–.33	47.19N	145.64E	401–3	4.7,4.7		
BGS	VI	16 00 03 58.5–1.2	47.78N	145.45E	389	5.1b,4.7		
SZGRF	VI	16 00 04 06.9	48.68N	145.24E	404	5.7b,4.7		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ64.00000°,λ-56.00000°. NP2:ϕ_s190.00000°,δ42.00000°,λ-139.00000°. $M_0$4.64000×10^{16}

MOS Error ellipse: s-maj=6.8km s-min=4.0km az=102.7.

JMA Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=150.2.

NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=159.0. Recorded [1 JMA] in Aomori, Honshu.

IDC Error ellipse: s-maj=5.9km s-min=5.0km az=120.0.

BGS Error ellipse: s-maj=140.0km s-min=426.4km az=-1.0.

SZGRF Sea of Okhotsk.

(374) Jordan - Syria region

ISC	**VI**	**17 04 29 14.9–.51**	**36.13N–.02**	**36.02E–.02**	**17–3**	**4.7b,4.0s**	**1119**	**0-95**
SZGRF	VI	17 04 29 01.8	34.95N	36.21E	33	4.7b,4.0s		**¶13197250**
NIC	VI	17 04 29 06.1–.20	37.09N	36.20E	20	4.8b,4.6L		
MOS	VI	17 04 29 11.2–1.2	36.00N	35.96E	10	4.8b,4.6L		
NEIC	VI	17 04 29 12.0	36.05N	36.02E	10	5.0b,4.8		
DDA	VI	17 04 29 12.7	36.12N	36.04E	31	4.6L,4.8		
ISK	VI	17 04 29 12.6	36.06N	36.02E	9	4.5L,4.8		
IDC	VI	17 04 29 12.2–.49	36.16N	35.93E	0	4.4,4.4L		
HLW	VI	17 04 29 12.6	36.49N	35.49E	30–19	4.0,3.9L		
NSSC	VI	17 04 29 14.8–3.2	36.15N	36.03E	6–8	4.5L,1.9		
BJI	VI	17 04 29 14.2	36.30N	35.24E	49	5.0b,4.8b		
ISCJB	VI	17 04 29 15.1–.27	36.09N–.01	35.99E–.01	33–2	4.7b,4.0s		

CSEM VI 17 04 29 15.4–.10 36.07N 36.04E 20 4.8b,4.0s
GRAL VI 17 04 29 15.0–2.3 36.13N 35.95E 6–33 4.7,4.0s
TEH VI 17 04 29 18.0 36.10N 35.93E 44 4.6L,4.0s
PDA VI 17 04 29 18.3 36.10N 35.93E 47 4.6b,4.0s
ISC Event type fe.
SZGRF Jordan - Syria region.
NIC Moment Tensor Solution. $M_0$1.10000×10^{15}
MOS Error ellipse: s-maj=5.3km s-min=3.0km az=122.2.
NEIC Event type fe. Felt [IV] at Antakya, Turkey. Also felt at Adana and Osmaniye. Felt at Idlib, Syria. After ISK.
DDA Event type ke.
IDC Error ellipse: s-maj=11.0km s-min=9.6km az=92.0.
NSSC Error ellipse: s-maj=6.6km s-min=11.6km az=-1.0. Moment Tensor Solution. NP1: ϕ_s239.29000°,δ60.00000°,λ-90.00000°.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.8km az=0.4.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=177.0.
GRAL Error ellipse: s-maj=12.4km s-min=10.6km az=-1.0.

(7) Andreanof Islands

ISC VI 17 07 08 18.9–.30 51.71N–.05 175.27W–.02 43–1 5.2b,5.1s 820 1-160
MOS VI 17 07 08 16.1–.91 51.71N 175.25W 33 5.4b,5.1s **¶13568777**
BJI VI 17 07 08 16.4 52.00N 175.52W 30 5.5b,5.4s
IDC VI 17 07 08 17.1–2.7 51.70N 175.25W 28–18 5.1,5.1s
NEIC VI 17 07 08 17.5–.14 51.61N 175.23W 31 5.6L,5.5W
ISCJB VI 17 07 08 18.2–.29 51.69N–.03 175.22W–.02 52–2 5.2b,5.1s
GCMT VI 17 07 08 19.1–.10 51.46N 175.09W 32–0 5.6W,5.1s
SZGRF VI 17 07 08 19.6 51.71N 176.70W 33 5.2b,5.1s
DJA VI 17 07 08 53.9–6.0 52N–12 175W–28 376–61 5.6b,5.1
ISC Event type fe.
NEIC Event type fe. Felt on Adak. Moment Tensor Solution. s69 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$-0.07 $M_{r\theta}$1.17 $M_{\theta\phi}$-0.11 $M_{\phi r}$0.43 Best double couple: NP1:ϕ_s76.00000°,δ64.00000°,λ82.00000°. NP2:ϕ_s274.00000°,δ27.00000°,λ106.00000°. Principal axes: T 2.0800,Plg69.0000°,Azm329.0000°; N -0.1000,Plg7.0000°,Azm79.0000° ; P -1.9700,Plg18.0000°,Azm172.0000° $M_0$2.00000×10^{17}
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta= 98, comp=202, per= 50. Moment Tensor Solution. s96,c189; s35,c37; Moment tensor: Scale 10^{17}Nm; M_{rr}2.79±.04 $M_{\theta\theta}$-2.53±.04; $M_{\phi\phi}$-0.26±.03; $M_{r\theta}$1.76±.05; $M_{\theta\phi}$-1.20±.02; $M_{\phi r}$1.19±.05; Best double couple: NP1:ϕ_s254.00000°,δ28.00000°,λ103.00000°. NP2:ϕ_s60.00000°,δ63.00000°,λ84.00000°. Principal axes: T 3.5000,Plg71.0000°,Azm316.0000°; N 0.2200,Plg6.0000°,Azm63.0000° ; P -3.7200,Plg18.0000°,Azm155.0000° $M_0$3.60000×10^{17}
SZGRF Andreanof Islands, Aleutian Islands, United States.

(224) Hokkaido region

ISC VI 17 08 29 02.3–.84 42.00N–.05 142.55E–.04 60–7 3.9b 45 0-86
ISCJB VI 17 08 29 01.5–.48 41.99N–.05 142.56E–.04 69–3 3.8b **¶13681527**
MOS VI 17 08 29 01.7–1.2 41.96N 142.47E 75 4.3b
JMA VI 17 08 29 02.8–.10 42.04N 142.58E 61–2 3.7
IDC VI 17 08 29 03.7–2.8 42.06N 142.53E 74–21 3.7,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.6km az=156.0.
MOS Error ellipse: s-maj=22.1km s-min=12.5km az=94.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s5.00000°,δ87.00000°,λ90.00000°. NP2: ϕ_s185.00000°,δ3.00000°,λ90.00000°. Principal axes: T Plg48.0000°,Azm275.0000° ; N Plg0.0000°,Azm5.0000°; P Plg42.0000°,Azm95.0000°
IDC Error ellipse: s-maj=22.9km s-min=19.2km az=140.0.

(227) Eastern Honshu

ISC VI 17 08 51 29.8–.63 39.73N–.03 141.81E–.06 58–4 4.1b 50 0-88
NIED VI 17 08 51 00 39.70N 141.80E 59 4.0W **¶13383498**
ISCJB VI 17 08 51 29.0–.43 39.75N–.03 141.84E–.06 67–3 3.9b
IDC VI 17 08 51 29.8–.93 39.70N 141.67E 59–6 3.9,3.8
JMA VI 17 08 51 30.3–.10 39.76N 141.83E 58–1 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ69.00000°,λ81.00000°. NP2:ϕ_s217.00000°,δ22.00000°,λ112.00000°. $M_0$1.17000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.5km az=13.8.
IDC Error ellipse: s-maj=19.2km s-min=12.1km az=102.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s17.00000°,δ64.00000°,λ90.00000°. NP2:ϕ_s197.00000°,δ26.00000°,λ90.00000°. Principal axes: T Plg71.0000°,Azm287.0000°; N Plg0.0000°,Azm17.0000°; P Plg19.0000° ,Azm107.0000°

(259) Mindanao

ISC VI 17 08 55 50.8–1.5 7.44N–.03 126.22E–.05 7–9 4.3b,4.0s 109 0-121
AUST VI 17 08 55 47.7–10 7.48N 125.97E 0–0 4.3b,4.0s **¶15156175**
IDC VI 17 08 55 49.2–.49 7.45N 126.31E 0 4.4,4.3
ISCJB VI 17 08 55 49.1–1.1 7.43N–.03 126.37E–.04 9–6 4.4b,4.0s
NEIC VI 17 08 55 50.9–.23 7.42N 126.26E 10 4.7b,4.0s
MAN VI 17 08 55 51 7.34N 126.23E 13 4.9b,4.0s
DJA VI 17 08 56 06.3–.80 7N–6.0 126E–4.0 10 5.4b,5.0
ISC Event type ke.
ISCJB Event type fe.
NEIC Event type fe. Felt [III PIVS] at Compostela and Nabunturan; [II PIVS] at Tagum and [I PIVS] at Mati.
MAN Event type fe. Intensity III - Nabunturan.

(715) Tajikistan

ISC VI 17 09 22 18.1–.35 38.07N–.04 69.69E–.04 21–4 4.2b,3.9s 189 4-86
IDC VI 17 09 22 13.6–.80 37.83N 69.85E 0 4.4L,4.2 **¶13197308**
ISCJB VI 17 09 22 14.9–1.2 38.00N–.03 69.76E–.04 15–9 4.2b,3.8s
BJI VI 17 09 22 16.5 38.29N 69.81E 17 4.8b,4.6b
NNC VI 17 09 22 16.6–5.0 38.08N 69.82E 0 4.6b,4.5
MOS VI 17 09 22 18.2–1.1 38.15N 69.70E 33 4.5b,4.5
NEIC VI 17 09 22 18.4–.44 38.14N 69.75E 19 4.4b,4.5
ISC Event type fe.
IDC Error ellipse: s-maj=17.1km s-min=11.3km az=164.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.5km az=143.6.
NNC Error ellipse: s-maj=51.3km s-min=35.3km az=178.0.
MOS Error ellipse: s-maj=8.1km s-min=4.4km az=74.9.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=6.2km az=155.0. Felt at Kabul, Afghanistan.

(228) Near east coast of eastern Honshu

ISC VI 17 10 41 04.1–.73 36.01N–.04 140.13E–.06 71–6 4.0b 37 0-92
NIED VI 17 10 41 00 36.00N 140.10E 59 3.8W **¶15437650**
ISCJB VI 17 10 41 03.0–.41 36.00N–.03 140.14E–.07 78–3 3.8b
JMA VI 17 10 41 04.7–.10 36.04N 140.10E 63–1 3.5
IDC VI 17 10 41 05.9–2.6 35.97N 140.05E 86–24 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ65.00000°,λ87.00000°. NP2: ϕ_s189.00000°,δ25.00000°,λ95.00000°. $M_0$5.88000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=5.0km az=7.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s358.00000°,δ63.00000°,λ78.00000°. NP2: ϕ_s203.00000°,δ29.00000°,λ111.00000°. Principal axes: T Plg70.0000°,Azm244.0000° ; N Plg10.0000°,Azm4.0000°; P Plg17.0000°,Azm97.0000°
IDC Error ellipse: s-maj=25.1km s-min=14.2km az=68.0.

(225) Off southeast coast of Hokkaido

ISC VI 17 11 12 12.5–.53 42.81N–.06 146.14E–.05 45–3 4.5b,3.9s 154 1-92
NIED VI 17 11 12 00 42.70N 146.30E 32 4.3W,3.9s **¶13197326**
BJI VI 17 11 12 08.4 42.69N 146.71E 45 4.8b,4.7b
JMA VI 17 11 12 10.0–.20 42.75N 146.24E 52–2 4.2,4.7b
MOS VI 17 11 12 10.3–1.1 42.84N 146.12E 44 4.7b,4.7b
ISCJB VI 17 11 12 11.5–.64 42.81N–.04 146.14E–.05 52–4 4.4b,4.0s
IDC VI 17 11 12 12.1–2.8 42.75N 146.18E 46–26 4.2,4.1
NEIC VI 17 11 12 12.9–.49 42.84N 146.14E 47–4 4.4b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ80.00000°,λ115.00000°. NP2:ϕ_s161.00000°,δ27.00000°,λ23.00000°. $M_0$2.96000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=9.5km s-min=6.6km az=104.4.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.9km az=150.4.
IDC Error ellipse: s-maj=16.9km s-min=13.8km az=166.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.5km az=156.0. Recorded [1 JMA] in eastern Hokkaido.

(224) Hokkaido region

ISC VI 17 17 01 28.5–.47 42.42N–.04 142.81E–.04 108–3 4.2b 146 0-147
NIED VI 17 17 01 00 42.50N 142.80E 104 4.1W **¶13197366**
BJI VI 17 17 01 25.2 42.44N 143.06E 118 4.7b,4.4b
ISCJB VI 17 17 01 27.0–.26 42.40N–.03 142.80E–.04 110–2 4.2b,4.4b
MOS VI 17 17 01 27.2–1.0 42.43N 142.74E 110 4.3b,4.4b
NEIC VI 17 17 01 29.0–.34 42.44N 142.85E 110 4.5b,4.1W
IDC VI 17 17 01 29.1–.69 42.46N 142.83E 108–5 4.0,3.9
JMA VI 17 17 01 29.1–.10 42.47N 142.88E 98–1 3.9,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s232.00000°,δ73.00000°,λ-109.00000°. NP2:ϕ_s102.00000°,δ25.00000°,λ-43.00000°. $M_0$1.59000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=43.0.
MOS Error ellipse: s-maj=11.9km s-min=6.9km az=108.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=7.1km az=118.0. Recorded [2 JMA] in southeastern Hokkaido and [1 JMA] in southwestern Hokkaido. Moment Tensor Solution. $M_0$1.60000×10^{15}
IDC Error ellipse: s-maj=14.1km s-min=8.1km az=91.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s245.00000°,δ59.00000°,λ-101.00000°. NP2: ϕ_s86.00000°,δ33.00000°,λ-72.00000°. Principal axes: T Plg13.0000°,Azm343.0000° ; N Plg10.0000°,Azm251.0000°; P Plg74.0000°,Azm125.0000°

(244) Taiwan

ISC VI 17 17 17 46.5–.60 23.45N–.01 120.64E–.02 17–3 3.7b,3.5s 159 0-84
NIED VI 17 17 17 00 23.40N 120.50E 5 4.5W,3.5s **¶13197367**
IDC VI 17 17 17 43.0–.89 23.37N 120.86E 0 3.9,3.7
BJI VI 17 17 17 44.5 23.46N 120.63E 10 4.4L,4.4b
NEIC VI 17 17 17 45.6 23.44N 120.65E 13 4.4L,3.9b
TAP VI 17 17 17 45.6 23.44N 120.65E 13–0 4.4L,3.9b
ISCJB VI 17 17 17 46.6–.19 23.44N–.01 120.61E–.01 21–2 3.7b,3.5s
JMA VI 17 17 17 46.4–.30 23.43N 120.52E 92 3.8,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s243.00000°,δ85.00000°,λ-79.00000°. NP2:ϕ_s355.00000°,δ12.00000°,λ-157.00000°. $M_0$7.32000×10^{15}
IDC Error ellipse: s-maj=35.6km s-min=17.2km az=67.0.
NEIC Event type fe. Recorded [5 TAP] at Chia-i; [3 TAP] in T'ai-nan and Yun-lin; [2 TAP] in Chang-hua and P'eng-hu; [1 TAP] in T'ai-tung. After TAP.
TAP B.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.9km az=32.4.
JMA Error ellipse: s-maj=5.6km s-min=3.1km az=-1.0.

(159) North Island

ISC VI 17 17 57 56.9–.56 38.29S–.04 176.17E–.05 170–4 3.9b 221 0-154
ISCJB VI 17 17 57 56.3–.32 38.23S–.03 176.16E–.05 172–2 3.9b **¶15156181**
IDC VI 17 17 57 56.3–.56 38.37S 176.23E 160–9 3.8,3.7
WEL VI 17 17 57 57.4–.23 38.14S 176.21E 166–1 5.1L,3.7
NEIC VI 17 17 57 57.4 38.14S 176.20E 166 4.1b,3.7
AUST VI 17 17 58 06.4 38.45S 173.81E 100 4.1b,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.3km az=1.8.
IDC Error ellipse: s-maj=27.2km s-min=23.3km az=151.0.
WEL Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=90.0. Felt from Bay of Plenty to Wellington, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Tokoroa and in the Taradale area. After WEL.

(662) Sakhalin Island

ISC VI 18 02 32 04.1–1.2 46.93N–.03 141.74E–.04 14–8 3.8b 56 1-84
NIED VI 18 02 32 00 47.20N 141.70E 17 4.0W **¶13681572**
JMA VI 18 02 32 01.1–.50 47.16N 141.68E 26 4.1
MOS VI 18 02 32 01.1–2.5 46.91N 141.49E 12 3.9b
IDC VI 18 02 32 02.4–.80 46.89N 141.62E 0 3.8,3.7
SKHL VI 18 02 32 03.6–.40 46.88N 141.65E 10 4.3b,3.7
ISCJB VI 18 02 32 04.4–.85 46.93N–.03 141.64E–.07 21–8 3.6b,3.6s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s335.00000°,δ76.00000°,λ78.00000°. NP2:ϕ_s197.00000°,δ19.00000°,λ131.00000°. $M_0$1.05000×10^{15}
MOS Event type fe. Felt (III) at Kholmsk, (II-III) at Nevel'sk. Moment Tensor Solution.
SKHL Event type fe. Felt (III) at Kholmsk, (II-III) at Nevel'sk.
ISCJB Event type fe.

(248) Philippine Islands region

ISC VI 18 05 17 23.1–.30 7.85N–.03 126.91E–.04 40–2 4.8b,4.3s 285 1-163
MAN VI 18 05 17 19 7.83N 127.30E 38 5.5b,4.8s **¶15156190**
BJI VI 18 05 17 19.8 7.75N 126.89E 32 4.9b,4.8b
AUST VI 18 05 17 21.3 7.99N 127.53E 35 4.9b,4.8b
NEIC VI 18 05 17 22.8–.18 7.90N 126.90E 35 4.9b,4.8b
IDC VI 18 05 17 22.9–2.3 7.82N 126.70E 38–19 4.6,4.6
GCMT VI 18 05 17 23.7–.30 7.73N 127.14E 21–1 5.0W,4.6
ISCJB VI 18 05 17 23.9–.53 7.87N–.02 127.00E–.04 62–4 4.8b,4.6
DJA VI 18 05 17 33.1–.40 7N–4.0 127E–3.0 10 5.4b,5.2
ISC Event type fe.
MAN Event type fe. Intensity II - Poblacion.
NEIC Event type fe. Felt [II PIVS] at Tarragona and Tugbok.
GCMT Event type se. Data Used: IU II G IC. Moment Tensor Solution. s28,c31; s60,c79; Moment tensor: Scale 10^{16}Nm; M_{rr}3.56±.28 $M_{\theta\theta}$0.47±.17; $M_{\phi\phi}$-4.03±.19; $M_{r\theta}$0.72±.31; $M_{\theta\phi}$0.22±.12; $M_{\phi r}$1.88±.28; Best double couple: NP1:ϕ_s164.00000°,δ33.00000°,λ69.00000°. NP2:ϕ_s9.00000°,δ59.00000°,λ103.00000°. Principal axes: T 4.1500,Plg73.0000° ,Azm312.0000°; N 0.3200,Plg11.0000°,Azm182.0000°; P -4.4700,Plg13.0000°,Azm89.0000° $M_0$4.30000×10^{16}
ISCJB Event type fe.

(238) Ryukyu Islands

ISC VI 18 10 58 24.2–.98 27.45N–.07 128.63E–.08 47–9 4.1b,3.0s 40 0-78
NIED VI 18 10 58 00 27.50N 128.60E 47 4.2W,3.0s **¶13383506**
ISCJB VI 18 10 58 23.5–.42 27.49N–.06 128.61E–.08 57–4 4.0b,3.2s
JMA VI 18 10 58 24.2 27.47N 128.62E 44–1 3.9,3.2s
IDC VI 18 10 58 26.8–2.8 27.49N 128.50E 70–25 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ80.00000°,λ79.00000°. NP2:ϕ_s269.00000°,δ15.00000°,λ136.00000°. $M_0$2.07000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=14.3km s-min=4.4km az=39.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=20.8km s-min=14.7km az=80.0.

(229) Off east coast of Honshu

ISC VI 18 23 51 02.6–.65 39.39N–.05 144.73E–.06 49–4 3.6b 75 2-68
MOS VI 18 23 50 57.6–.94 39.18N 145.02E 33 4.2b **¶13681625**
ISCJB VI 18 23 51 00.8–.66 39.40N–.03 144.67E–.06 49–8 3.8s,3.6b
NIED VI 18 23 51 00 39.40N 144.30E 38 4.1W,3.6b
IDC VI 18 23 51 02.9–.65 39.44N 144.86E 49–4 3.7,3.5
JMA VI 18 23 51 04.5–.20 39.52N 144.42E 57 5.0,3.5
ISC Event type ke.
MOS Error ellipse: s-maj=25.4km s-min=13.9km az=95.2.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.0km az=23.7.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ76.00000°,λ-19.00000°. NP2:ϕ_s226.00000°,δ72.00000°,λ-166.00000°. $M_0$1.54000×10^{15}
IDC Error ellipse: s-maj=18.3km s-min=12.5km az=87.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.

(228) Near east coast of eastern Honshu

ISC VI 19 05 32 50.8–1.3 35.48N–.04 141.25E–.05 30–9 4.4b,3.7s 118 0-148
NIED VI 19 05 32 00 35.50N 141.30E 38 4.4W,3.7s **¶13383511**
BJI VI 19 05 32 42.7 35.57N 142.29E 33 4.8b,4.5b
IDC VI 19 05 32 46.3–.55 35.50N 141.13E 0 4.6L,4.3
MOS VI 19 05 32 48.7–1.1 35.54N 141.39E 33 4.5b,4.3
NEIC VI 19 05 32 49.5–3.1 35.53N 141.23E 21–21 4.5b,4.4W
ISCJB VI 19 05 32 50.5–.57 35.50N–.03 141.23E–.05 45–4 4.3b,3.5s
JMA VI 19 05 32 50.3–.10 35.53N 141.25E 42–1 4.4,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s261.00000°,δ67.00000°,λ-120.00000°. NP2:ϕ_s137.00000°,δ37.00000°,λ-41.00000°. $M_0$4.83000×10^{15}
IDC Error ellipse: s-maj=18.5km s-min=12.2km az=101.0.
MOS Error ellipse: s-maj=10.7km s-min=6.4km az=104.0.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=8.7km az=132.0. Recorded [1 JMA] in Chiba. Moment Tensor Solution. $M_0$4.80000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.9km az=16.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s271.00000°,δ88.00000°,λ-105.00000°. NP2: ϕ_s173.00000°,δ15.00000°,λ-8.00000°. Principal axes: T Plg41.0000°,Azm15.0000°

; N Plg15.0000°,Azm272.0000°; P Plg45.0000°,Azm166.0000°

(244) Taiwan

ISC	**VI**	**19 06 30 44.4–.79**	**23.43N–.01**	**120.58E–.02**	**14–5**		**116**	**0-2**
NIED	VI	19 06 30 00	23.20N	120.70E	5	4.0W		¶13202160
TAP	VI	19 06 30 43.9	23.42N	120.60E	12–0	4.0L		
ISCJB	VI	19 06 30 44.9–.21	23.43N–.01	120.59E–.01	10–1	4.0L		
NEIC	VI	19 06 30 44.0–1.5	23.42N	120.59E	12–9	4.2L		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ52.00000°,λ78.00000°. NP2:ϕ_s251.00000°,δ39.00000°,λ105.00000°. $M_0$1.11000×10^{15}

TAP B.

ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=19.1.

NEIC Event type fe. Error ellipse: s-maj=19.7km s-min=10.5km az=99.0. Recorded [2 TAP] in Chia-i, Nan-t'tou, T'ai-nan and Yun-lin; [1 TAP] in Chang-hua and Kao-hsiung.

(243) Taiwan region

ISC	**VI**	**19 10 30 07.3–.42**	**23.90N–.02**	**122.29E–.02**	**17–2**	**4.5b,3.7s**	**294**	**1-96**
NIED	VI	19 10 30 00	23.90N	122.20E	32	4.3W,3.7s		¶13383513
IDC	VI	19 10 30 04.1–.57	24.09N	122.41E	0	4.5,4.4		
BJI	VI	19 10 30 05.4	24.05N	122.25E	5	4.5b,4.4b		
NEIC	VI	19 10 30 05.7–.26	24.02N	122.38E	10	5.0L,4.9b		
JMA	VI	19 10 30 06.3–.30	23.87N	122.23E	16	4.6,4.9b		
ISCJB	VI	19 10 30 07.9–.39	23.93N–.02	122.38E–.02	32–2	4.5b,3.7s		
TAP	VI	19 10 30 08.3	23.99N	122.31E	20–0	4.7L,3.7s		

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s70.00000°,δ86.00000°,λ36.00000°. NP2:ϕ_s337.00000°,δ54.00000°,λ175.00000°. $M_0$3.27000×10^{15}

IDC Error ellipse: s-maj=20.3km s-min=13.7km az=63.0.

NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.7km az=93.0. Recorded [2 TAP] in I-lan; [1 TAP] in Hua-lien, Nan-t'ou, T'ai-chung and T'ai-pei.

JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=145.2.

TAP C.

(371) Eastern Mediterranean Sea

ISC	**VI**	**19 14 05 00.4–.15**	**35.32N–.01**	**28.48E–.01**	**41–1**	**5.5s,5.5b**	**2381**	**1-168**
BGS	VI	19 14 04 43.8–1.8	34.17N	29.85E	33	5.4s,5.3b		¶13197437
SZGRF	VI	19 14 04 54.0	35.66N	28.68E	33	5.4b,5.3s		
NSSC	VI	19 14 04 56.4–1.6	35.35N	28.62E	0–126	4.9L,2.3		
MOS	VI	19 14 04 56.1–1.1	35.22N	28.36E	23	5.7b,5.5s		
ISK	VI	19 14 04 56.2	35.07N	28.38E	41	5.7L,5.5s		
DDA	VI	19 14 04 57.0	35.25N	28.30E	24	5.6L,5.5s		
HLW	VI	19 14 04 57.7	35.44N	28.59E	32–10	5.6L,5.1		
ISCJB	VI	19 14 04 58.9–.15	35.27N–.01	28.466E–.01	44–1	5.5s,5.4b		
BJI	VI	19 14 04 58.1	35.56N	28.19E	37	5.7b,5.6s		
IGIL	VI	19 14 04 58.8	35.21N	28.40E	40	5.3b,5.6s		
NEIC	VI	19 14 04 59.0–.15	35.36N	28.45E	28	5.8W,5.7L		
IDC	VI	19 14 04 59.8–2.4	35.49N	28.39E	27–16	5.4s,5.4		
PDA	VI	19 14 04 59.5	35.40N	28.40E	32	5.9b,5.4		
CSEM	VI	19 14 04 59.5–.06	35.23N	28.47E	33	5.7W,5.5b		
PDG	VI	19 14 05 00.0–.48	35.36N	28.51E	28–2	5.4L,5.5b		
SFS	VI	19 14 05 00.0	35.38N	28.39E	40	5.9L,5.5b		
THE	VI	19 14 05 01.3	35.32N	28.58E	31–7	5.5L,5.5b		
TEH	VI	19 14 05 01.0	35.61N	28.39E	40	5.9L,5.5b		
ATH	VI	19 14 05 02.3	35.46N	28.31E	42–2	5.4L,5.5b		
NIC	VI	19 14 05 03.1–.20	35.38N	28.76E	25	5.5L,5.5b		
GCMT	VI	19 14 05 04.3–.10	35.11N	28.49E	22	5.7W,5.5b		

ISC Event type fe.

BGS Error ellipse: s-maj=689.8km s-min=590.7km az=-1.0.

SZGRF Eastern Mediterranean Sea.

NSSC Error ellipse: s-maj=20.4km s-min=228.6km az=-1.0.

MOS Error ellipse: s-maj=4.2km s-min=2.3km az=108.1.

DDA Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.2km az=20.5.

NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.6km az=200.0. Felt [III] at Izmir, Turkey. Also felt at Alanya and Kusadasi. Felt [II] at Cairo, Egypt. Also felt at Alexandria and Al Jizah. Felt at Bucharest, Romania; Limassol, Cyprus; Rhodes, Greece. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s250.00000°,δ60.00000°,λ-50.00000°. NP2:ϕ_s11.00000°,δ48.00000°,λ-138.00000°. Principal axes: T Plg7.0000°,Azm313.0000°; N Plg0.0000°,Azm0.0000°; P Plg55.0000°,Azm213.0000° Moment Tensor Solution. s65 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.71 $M_{\theta\theta}$1.50 $M_{\phi\phi}$1.21 $M_{r\theta}$0.39 $M_{\theta\phi}$2.87 $M_{\phi r}$-0.92 Best double couple: NP1:ϕ_s21.00000°,δ54.00000°,λ-126.00000°. NP2:ϕ_s253.00000°,δ49.00000°,λ-51.00000°. Principal axes: T 4.2500,Plg2.0000°,Azm135.0000° ; N -1.0100,Plg28.0000°,Azm44.0000°; P -3.2400,Plg61.0000°,Azm231.0000° $M_0$3.80000×10^{17}

IDC Error ellipse: s-maj=9.9km s-min=9.4km az=160.0.

CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=25.0.

PDG Event type ke. Error ellipse: s-maj=1.9km s-min=2.8km az=0.0.

SFS Event type ke.

THE Event type ke. Error ellipse: s-maj=7.2km s-min=0.9km az=73.0.

ATH Error ellipse: s-maj=1.4km s-min=3.0km az=-1.0.

NIC Moment Tensor Solution. $M_0$2.60000×10^{15}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=222, per= 50. Moment Tensor Solution. s93,c172; s61,c74; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.71±.07 $M_{\theta\theta}$1.76±.05; $M_{\phi\phi}$1.94±.06; $M_{r\theta}$-0.10±.10; $M_{\theta\phi}$3.73±.05; $M_{\phi r}$-1.70±.11; Best double couple: NP1:ϕ_s248.00000°,δ42.00000°,λ-54.00000°. NP2:ϕ_s23.00000°,δ57.00000°,λ-118.00000°. Principal axes: T 5.7600,Plg8.0000°,Azm133.0000°; N -1.4000,Plg24.0000°,Azm40.0000° ; P -4.3700,Plg65.0000°,Azm240.0000° $M_0$5.10000×10^{17}

(216) Mariana Islands

ISC	**VI**	**19 15 06 25.4–.26**	**14.09N–.03**	**145.22E–.04**	**119–1**	**5.4b**	**597**	**1-172**
DJA	VI	19 15 05 58.7–2.3	16N–21	147E–21	10	5.8b,5.5b		¶13197443
BJI	VI	19 15 06 20.6	13.89N	145.60E	113	5.3b,5.2b		
ISCJB	VI	19 15 06 23.8–.48	14.08N–.03	145.23E–.03	117–4	5.3b,5.2b		
NEIC	VI	19 15 06 24.6–.14	14.08N	145.19E	114	5.5b,5.2b		
MOS	VI	19 15 06 24.1–1.1	14.12N	145.15E	120	5.3b,4.6s		
IDC	VI	19 15 06 25.2–.60	14.04N	145.27E	119–4	5.0,4.9		
GCMT	VI	19 15 06 29.7–.10	13.73N	145.33E	110–1	5.5W,4.9		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.0km az=1.4.

NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=4.2km az=121.0. Felt [II] on Saipan. Also felt on Tinian. Felt [IV] at Santa Rita; [III] at Andersen AFB, Dededo and Tamuning; [II] at Yigo, Guam. Also felt at Agat, Barrigada, Hagatna, Hagatna Heights, Mangilao, Talofofo and Yona.

MOS Error ellipse: s-maj=8.4km s-min=5.0km az=102.1.

IDC Error ellipse: s-maj=12.6km s-min=7.0km az=88.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 89, comp=179, per= 50. Moment Tensor Solution. s74,c107; s9,c9; Moment tensor: Scale 10^{17}Nm; M_{rr}1.28±.04 $M_{\theta\theta}$-0.64±.05; $M_{\phi\phi}$-0.64±.05; $M_{r\theta}$1.74±.03; $M_{\theta\phi}$-0.93±.04; $M_{\phi r}$-0.20±.04; Best double couple: NP1:ϕ_s201.00000°,δ31.00000°,λ36.00000°. NP2:ϕ_s79.00000°,δ72.00000°,λ116.00000°. Principal axes: T 2.4500,Plg55.0000°,Azm22.0000°; N -0.4100,Plg25.0000°,Azm250.0000° ; P -2.0400,Plg23.0000°,Azm149.0000° $M_0$2.20000×10^{17}

(135) Near coast of central Chile

ISC	**VI**	**19 20 35 52.0–.46**	**30.76S–.03**	**71.36W–.06**	**58–3**	**4.5b**	**100**	**1-154**
ISCJB	VI	19 20 35 51.5–.51	30.75S–.03	71.37W–.07	67–4	4.2b		¶13681677
GUC	VI	19 20 35 52.0–.69	30.76S	71.26W	59–5	4.8L		
NEIC	VI	19 20 35 52.0	30.76S	71.26W	59	4.5b		
IDC	VI	19 20 35 52.1–.62	30.70S	71.40W	58–4	4.2,4.1b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=4.4km az=8.5.

GUC Error ellipse: s-maj=1.6km s-min=8.6km az=-1.0.

NEIC Event type fe. Felt [IV] at Andacollo and Ovalle; [III] at Combarbala, Coquimbo, La Serena and Punitaqui; [II] at Illapel and La Ligua. After GUC.

IDC Error ellipse: s-maj=15.1km s-min=10.6km az=28.0.

(45) California-Baja California border region

ECX	**VI**	**19 21 32 16.6–.50**	**32.68N**	**115.91W**	**3–2**	**3.3L,3.2**		
NEIC	VI	19 21 32 16.2	32.66N	115.92W	8	3.3L,3.3L		¶13201569

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

NEIC Event type fe. Felt at El Cajon, Imperial and Ocotillo. After PAS.

(229) Off east coast of Honshu

ISC	**VI**	**19 23 52 07.0–.44**	**39.11N–.04**	**143.26E–.04**	**29–1**	**4.8b,4.6s**	**376**	**1-149**
NIED	VI	19 23 52 00	39.10N	143.40E	17	4.6W,4.6s		¶13201572
IDC	VI	19 23 52 01.9–.66	39.03N	143.31E	0	4.5,4.4		
ISCJB	VI	19 23 52 04.0–.88	39.08N–.04	143.31E–.04	20–5	4.7b,4.5s		
JMA	VI	19 23 52 05.3–.20	39.09N	143.29E	27–4	4.6,4.5s		
BJI	VI	19 23 52 06.7	39.17N	142.96E	30	5.0b,4.8b		
MOS	VI	19 23 52 07.5–.76	39.33N	143.07E	33	5.2b,4.4s		
NEIC	VI	19 23 52 07.6–1.4	39.08N	143.27E	35–9	5.1b,4.6W		
SZGRF	VI	19 23 52 12.6	40.04N	143.95E	33	4.8b,4.3s		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ62.00000°,λ95.00000°. NP2:ϕ_s198.00000°,δ29.00000°,λ81.00000°. $M_0$8.51000×10^{15}

IDC Error ellipse: s-maj=17.0km s-min=14.4km az=111.0.

ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.1km az=141.9.

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

MOS Error ellipse: s-maj=9.0km s-min=4.9km az=109.4.

NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.3km az=138.0. Recorded [1 JMA] in Iwate. Moment Tensor Solution. $M_0$8.50000×10^{15}

SZGRF Off east coast of Honshu, Japan.

(38) Off coast of California

ISC	**VI**	**20 01 00 30.0–1.8**	**32.84N–.04**	**118.03W–.05**	**14–13**		**55**	**1-15**
ECX	VI	20 01 00 29.9–.77	32.82N	118.08W	15	4.2L,4.1		¶13306144
NEIC	VI	20 01 00 30.6	32.90N	118.01W	14	4.1L,4.1		

ISC Event type fe.

ECX Error ellipse: s-maj=2.7km s-min=3.2km az=-1.0.

NEIC Event type fe. Felt [IV] at Laguna Hills, [III] at Newport Coast and [II] at Avalon and along the coast from Los Angeles to San Diego. Felt as far inland as Fontana, Redlands and Ramona. After PAS.

(221) Kuril Islands

ISC	**VI**	**20 01 53 50.7–.93**	**43.65N–.06**	**146.55E–.06**	**70–8**	**3.5b**	**38**	**1-83**
ISCJB	VI	20 01 53 50.4–.60	43.69N–.05	146.51E–.07	80–5	3.4b		¶13681689
MOS	VI	20 01 53 50.3–1.3	43.71N	146.54E	85	4.1b		
JMA	VI	20 01 53 51.2–.10	43.62N	146.55E	68–2	4.2		
IDC	VI	20 01 53 53.2–2.8	43.79N	146.51E	89–25	3.5,3.4		
NIED	VI	20 01 54 00	43.70N	146.50E	98	3.8W,3.4		

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.7km az=137.2.

MOS Error ellipse: s-maj=19.5km s-min=13.7km az=94.8.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

IDC Error ellipse: s-maj=23.8km s-min=17.6km az=152.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ90.00000°,λ43.00000°. NP2:ϕ_s90.00000°,δ47.00000°,λ180.00000°. $M_0$5.67000×10^{14}

(229) Off east coast of Honshu

ISC	**VI**	**20 02 52 58.1–.29**	**39.15N–.03**	**143.25E–.03**	**25–1**	**5.3s,5.2b**	**994**	**1-155**
IDC	VI	20 02 52 53.5–.46	39.06N	143.38E	0	4.9,4.9		¶13201577
ISCJB	VI	20 02 52 55.6–.56	39.11N–.02	143.28E–.02	18–3	5.2s,5.1b		
BJI	VI	20 02 52 55.3	39.19N	143.09E	17	5.5b,5.4s		
JMA	VI	20 02 52 55.8–.20	39.09N	143.36E	26–4	5.4,5.4s		
NEIC	VI	20 02 52 57.4–1.4	39.09N	143.20E	22–9	5.2W,5.1b		
SZGRF	VI	20 02 52 57.7	39.82N	144.39E	33	5.3b,5.3s		
TEH	VI	20 02 52 58.0	39.24N	143.10E	21	5.1L,5.3s		
MOS	VI	20 02 52 59.1–.84	39.37N	143.15E	33	5.5b,5.4s		
NIED	VI	20 02 53 00	39.10N	143.40E	23	5.3W,5.4s		
GCMT	VI	20 02 53 00.8–.20	39.16N	143.44E	22–0	5.3W,5.4s		
DJA	VI	20 02 53 05.6–3.7	39N–9.0	143E–14	94–34	5.7b,5.2		

ISC Event type fe.

ISCJB Event type fe.

JMA Event type fe.

NEIC Event type fe. Felt at Misawa. Recorded [2 JMA] in Iwate and [1 JMA] in Akita, Aomori and Miyagi. Moment Tensor Solution. $M_0$9.40000×10^{16}

SZGRF Off east coast of Honshu, Japan.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ63.00000°,λ91.00000°. NP2:ϕ_s199.00000°,δ27.00000°,λ87.00000°. $M_0$9.35000×10^{16}

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c108; s91,c166; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s196.00000°,δ18.00000°,λ85.00000°. NP2:ϕ_s22.00000°,δ72.00000°,λ92.00000°. Principal axes: T 1.1400,Plg63.0000°,Azm294.0000° ; N 0.0500,Plg2.0000°,Azm201.0000°; P -1.1900,Plg27.0000°,Azm110.0000° $M_0$1.20000×10^{17}

(243) Taiwan region

ISC	**VI**	**20 03 44 29.4–.36**	**24.05N–.02**	**122.50E–.02**	**52–3**	**4.7b,3.9s**	**394**	**1-147**
NIED	VI	20 03 44 00	24.20N	122.50E	56	4.7W,3.9s		¶13383520
BJI	VI	20 03 44 26.8	24.09N	122.52E	40	4.8b,4.7b		
ISCJB	VI	20 03 44 28.8–.17	24.06N–.02	122.50E–.01	60–1	4.7b,4.0s		
NEIC	VI	20 03 44 29.1–.41	24.05N	122.51E	52–3	4.8b,4.0s		
JMA	VI	20 03 44 29.0–.20	24.15N	122.45E	70–3	5.0,4.0s		
IDC	VI	20 03 44 29.8–2.2	24.15N	122.59E	57–19	4.4,4.3		
TAP	VI	20 03 44 29.4	24.04N	122.44E	49–0	5.4L,4.3		
DJA	VI	20 03 44 31.7–1.0	24N–6.0	122E–11	65–8	5.5b,4.9		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s334.00000°,δ83.00000°,λ-35.00000°. NP2:ϕ_s68.00000°,δ56.00000°,λ-172.00000°. $M_0$1.37000×10^{16}

ISCJB Event type fe.

NEIC Event type fe. Felt at Taipei. Recorded [3 TAP] in Hua-lien; [2 TAP] in Chang-hua, I-lan and T'ai-tung; [1 TAP] in Chia-i, Nan-t'ou, T'ai-chung and T'ai-pei. Recorded [1 JMA] on Iriomote-jima, Ishigaki-jima and Yonaguni-jima, Ryukyu Islands.

JMA Event type fe.

TAP B.

(116) Central Peru

ISC	**VI**	**20 04 00 18.7–.45**	**14.38S–.05**	**72.60W–.06**	**86–4**	**4.7b**	**221**	**2-168**
ISCJB	VI	20 04 00 14.2–.86	14.37S–.05	72.63W–.05	57–8	4.8s,4.8b		¶13201580
NEIC	VI	20 04 00 17.7–.55	14.43S	72.67W	75–5	4.8b,4.8b		
BJI	VI	20 04 00 17.2	14.50S	72.60W	71	5.3s,5.2b		
IDC	VI	20 04 00 19.4–.55	14.37S	72.60W	90–4	4.5,4.4		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=4.7km az=137.6.

NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=3.6km az=59.0. Felt [II] at Abancay. Also felt at Cusco, Santo Tomas and Talavera.

IDC Error ellipse: s-maj=17.2km s-min=10.5km az=65.0.

(369) Dodecanese Islands

ISC	**VI**	**20 08 28 21.0–.33**	**37.65N–.02**	**26.88E–.02**	**12–1**	**4.7b,4.4s**	**1291**	**0-125**
NSSC	VI	20 08 28 13.0–2.4	37.39N	26.07E	29–999	4.7b,4.4s		¶13201587
BJI	VI	20 08 28 15.6	37.45N	26.25E	17	5.2b,4.9s		
HLW	VI	20 08 28 15.1	38.22N	26.83E	23–14	4.6,4.5L		
ISCJB	VI	20 08 28 18.8–.31	37.63N–.01	26.94E–.01	8–2	4.7b,4.5s		
IDC	VI	20 08 28 18.7–.44	37.61N	26.89E	0	4.4,4.4		
ISK	VI	20 08 28 18.6	37.65N	26.75E	11	4.9L,4.4		
SZGRF	VI	20 08 28 18.5	37.63N	27.51E	10	4.4b,4.4		
NEIC	VI	20 08 28 19.0	37.68N	26.86E	12	5.0L,4.8b		
ATH	VI	20 08 28 19.0	37.68N	26.86E	12–0	4.8L,4.2		
CSEM	VI	20 08 28 19.4–.06	37.61N	26.93E	2	5.1W,4.8b		
THE	VI	20 08 28 20.1	37.66N	26.84E	3–1	5.2L,4.8b		
BEO	VI	20 08 28 20.9–1.2	37.65N	27.22E	20–2	5.0L,4.8b		
DDA	VI	20 08 28 20.2	37.65N	26.88E	3	4.7,4.8b		
PDA	VI	20 08 28 22.4	37.60N	27.00E	17	4.8b,4.8b		
TEH	VI	20 08 28 22.0	37.67N	27.07E	10	5.3L,4.8b		
MOS	VI	20 08 28 23.2–1.3	37.81N	27.00E	33	5.0b,4.5s		
GCMT	VI	20 08 28 23.9–.20	37.58N	26.96E	12	5.1W,4.5s		
PDG	VI	20 08 28 27.2–.36	38.14N	26.79E	27–4	4.4L,4.5s		

ISC Event type fe.

NSSC Error ellipse: s-maj=234.2km s-min=903.3km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=24.9.

IDC Error ellipse: s-maj=10.8km s-min=10.4km az=5.0.

SZGRF Turkey.

NEIC Event type fe. Felt on Samos. Also felt at Izmir, Turkey. After ATH.

ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.

CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=32.0.

THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=42.0.

BEO Event type ke.

DDA Event type ke.

MOS Error ellipse: s-maj=4.4km s-min=2.7km az=112.5.

GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s35,c46; s84,c138; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.97±.10 $M_{\theta\theta}$4.65±.09; $M_{\phi\phi}$0.32±.09; $M_{r\theta}$1.53±.31; $M_{\theta\phi}$-1.23±.08; $M_{\phi r}$-0.41±.43; Best double couple: NP1:ϕ_s105.00000°,δ36.00000°,λ-90.00000°. NP2:ϕ_s285.00000°,δ54.00000°,λ-90.00000°. Principal axes: T 5.2200,Plg9.0000° ,Azm15.0000°; N -0.0100,Plg0.0000°,Azm105.0000°; P -5.2200,Plg81.0000°,Azm195.0000°

$M_0$5.20000×10^{16}
PDG Event type ke. Error ellipse: s-maj=3.4km s-min=4.6km az=0.0.

(274) Southern Sumatera

ISC	**VI**	**20 09 21 25.0–.21**	**4.93S–.03**	**103.12E–.03**	**55–1**	**5.8b,4.7s**	**1605**	**1-177**
MOS	VI	20 09 21 21.4–.93	4.80S	103.18E	33	6.1b,4.7s		**¶13383522**
BJI	VI	20 09 21 23.5	5.00S	103.00E	43	5.9b,5.3b		
NEIC	VI	20 09 21 23.9–.56	4.99S	103.05E	46–4	5.8b,5.4W		
DJA	VI	20 09 21 25.2–.30	5S–2.0	103E–2.0	48–3	6.1b,6.0		
TEH	VI	20 09 21 25.0	4.97S	103.04E	55	5.6L,6.0		
ISCJB	VI	20 09 21 25.1–.34	4.95S–.02	103.10E–.02	69–2	5.8b,6.0		
IDC	VI	20 09 21 25.7–.35	4.90S	103.17E	59–2	5.4,5.4b		
GCMT	VI	20 09 21 27.5–.10	5.31S	102.89E	60–0	5.4W,5.4b		

ISC Event type fe.
MOS Error ellipse: s-maj=7.6km s-min=4.2km az=117.7.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=54.0. Felt [V] at Bintuhan, [IV] at Bengkulu and [III] at Kapahiang, Liwa, Pagaralam and Pasarseluma. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}1.68 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$-1.09 $M_{r\theta}$0.61 $M_{\theta\phi}$0.50 $M_{\phi r}$-0.21 Best double couple: NP1:ϕ_s337.00000°,δ37.00000°,λ107.00000°. NP2: ϕ_s136.00000°,δ55.00000°,λ78.00000°. Principal axes: T 1.8400,Plg76.0000°,Azm7.0000° ; N -0.3500,Plg10.0000°,Azm143.0000°; P -1.4800,Plg9.0000°,Azm235.0000° $M_0$1.70000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=37.1.
IDC Error ellipse: s-maj=8.2km s-min=6.1km az=49.0.
GCMT Event type se. Data Used: ll IU IC G CN. Surface waves: sta= 87, comp=159, per= 50. Moment Tensor Solution. s91,c159; s16,c16; Moment tensor: Scale 10^{17}Nm; M_{rr}1.28±.03 $M_{\theta\theta}$-1.01±.02; $M_{\phi\phi}$-0.27±.03; $M_{r\theta}$0.78±.02; $M_{\theta\phi}$0.83±.02; $M_{\phi r}$-0.37±.02; Best double couple: NP1:ϕ_s309.00000°,δ30.00000°,λ100.00000°. NP2:ϕ_s118.00000°,δ61.00000°,λ84.00000°. Principal axes: T 1.5300,Plg74.0000°,Azm14.0000°; N 0.2600,Plg5.0000°,Azm121.0000° ; P -1.7900,Plg16.0000°,Azm212.0000° $M_0$1.70000×10^{17}

(673) Bering Strait

ISC	**VI**	**20 11 15 49.5–.77**	**63.49N–.06**	**166.70W–.05**	**10**	**3.7b**	**41**	**2-55**
NEIC	VI	20 11 15 45.8	63.31N	166.84W	10	4.3L		**¶13681713**
ISCJB	VI	20 11 15 47.4–.54	63.51N–.05	166.37W–.07	10	3.6b		
IDC	VI	20 11 15 49.2–1.0	63.37N	166.82W	0	4.1L,3.9		

ISC Event type fe.
NEIC Event type fe. Felt at Emmonak and Nome, Alaska. After AEIC.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=3.9km az=19.1.
IDC Error ellipse: s-maj=24.7km s-min=12.0km az=15.0.

(39) Central California

ISC	**VI**	**20 12 32 48.7–1.3**	**35.72N–.04**	**120.90W–.04**	**8–7**	**4.3b,3.8s**	**134**	**1-151**
BJI	VI	20 12 32 46.0	35.60N	120.90W	6	5.2b,4.8s		**¶13201593**
IDC	VI	20 12 32 47.6–.63	35.55N	120.77W	0	4.2,4.2b		
NEIC	VI	20 12 32 48.0	35.64N	120.95W	6	4.4W,4.4W		

ISC Event type fe.
IDC Error ellipse: s-maj=11.6km s-min=10.2km az=65.0.
NEIC Event type fe. Felt [IV] at Bradley and Templeton and [III] at Atascadero, Cambria, Cayucos, Morro Bay, Paso Robles, San Miguel and Santa Margarita. Felt from Salinas to Lompoc and as far northeast as Hanford. Also felt at Bakersfield and Santa Cruz. After NCEDC. Moment Tensor Solution. $M_0$4.70000×10^{15} Moment Tensor Solution. $M_0$5.20000×10^{15}

(45) California-Baja California border region

ISC	**VI**	**20 12 38 51.1–.97**	**32.24N–.03**	**115.53W–.04**	**22–11**		**23**	**0-4**
ISCJB	VI	20 12 38 50.2–.54	32.27N–.03	115.54W–.04	14–6			**¶14931574**
ECX	VI	20 12 38 51.9–.76	32.24N	115.53W	8	3.7L,3.6		
NEIC	VI	20 12 38 51.9	32.24N	115.53W	10	3.7L,3.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.4km az=170.1.
ECX Error ellipse: s-maj=2.5km s-min=2.8km az=-1.0.
NEIC Event type fe. Felt at Chula Vista, Lakeside, Lemon Grove and Santee, California. After ECX.

(233) Near south coast of western Honshu

JMA	**VI**	**20 17 24 15.4**	**34.89N**	**135.52E**	**9**	**3.2**		**¶15438951**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s156.00000°,δ73.00000°,λ-20.00000°. NP2:ϕ_s252.00000°,δ71.00000°,λ-162.00000°. Principal axes: T Plg1.0000°,Azm204.0000°; N Plg64.0000°,Azm296.0000°; P Plg26.0000° ,Azm114.0000°

(226) Near west coast of eastern Honshu

ISC	**VI**	**21 02 14 34.1–1.0**	**37.14N–.04**	**137.76E–.04**	**15–9**		**21**	**0-57**
ISCJB	VI	21 02 14 34.3–.48	37.13N–.03	137.71E–.04	28–5	3.5b		**¶15439144**
JMA	VI	21 02 14 34.6	37.13N	137.70E	14–1	3.4		
IDC	VI	21 02 14 35.6–4.2	37.12N	137.93E	29–24	3.6,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.7km az=146.5.
JMA Event type fe.
IDC Error ellipse: s-maj=37.7km s-min=23.7km az=172.0.

(99) Northern Colombia

ISC	**VI**	**21 05 21 02.1–.54**	**6.76N–.05**	**72.94W–.06**	**164–5**	**4.1b**	**91**	**1-154**
ISCJB	VI	21 05 21 00.7–.41	6.75N–.04	73.05W–.04	161–4	4.1b		**¶13306232**
BJI	VI	21 05 21 00.2	6.80N	73.10W	153	4.1b		
IDC	VI	21 05 21 02.6–.82	6.80N	72.90W	162–7	3.9,3.7		
NEIC	VI	21 05 21 03.0	6.81N	73.14W	153	4.2b,3.7		
FUNV	VI	21 05 21 11.1	7.10N	72.56W	136	3.8W,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.5km az=41.1.
IDC Error ellipse: s-maj=17.0km s-min=10.0km az=59.0.
NEIC Event type fe. Felt at Barrancabermeja. After RSNC.

(383) Northwestern Balkan Peninsula

ISC	**VI**	**21 11 20 04.4–.42**	**43.47N–.01**	**17.26E–.02**	**17–2**	**4.5b,4.1s**	**1361**	**1-135**
BJI	VI	21 11 19 59.4	43.98N	16.57E	11	4.9s,4.9b		**¶13202281**
IDC	VI	21 11 20 01.0–.50	43.40N	17.43E	0	4.6L,4.4		
SZGRF	VI	21 11 20 01.5	43.23N	17.74E	10	5.2b,4.4		
PDG	VI	21 11 20 03.0–1.1	43.46N	17.30E	7–2	4.5L,4.5		
THE	VI	21 11 20 03.9	43.56N	17.10E	26–6	4.4L,4.5		
ROM	VI	21 11 20 03.0–.30	43.39N	17.34E	6–2	4.8L,4.5		
ISCJB	VI	21 11 20 03.3–.09	43.487N–.01	17.27E–.01	16	4.4b,4.0s		
NEIC	VI	21 11 20 03.5–.21	43.43N	17.27E	10	4.6b,4.0s		
MOS	VI	21 11 20 03.5–1.1	43.46N	17.19E	27	4.7b,4.0s		
PRU	VI	21 11 20 03.3	43.49N	17.20E	0	4.6,4.0s		
BEO	VI	21 11 20 04.5–.40	43.49N	17.33E	3–3	4.5L,4.0s		
CSEM	VI	21 11 20 04.8–.07	43.48N	17.28E	15	5.3L,5.0s		
VIE	VI	21 11 20 04.0–.39	43.46N	17.45E	10	5.0s,5.0L		
TIR	VI	21 11 20 05.6	42.91N	17.36E	0	5.0s,5.0L		
LDG	VI	21 11 20 05.7–.10	43.44N	17.33E	30	5.1L,5.0L		
PDA	VI	21 11 20 05.0	43.43N	17.24E	10	4.6b,5.0L		
STR	VI	21 11 20 15.8–3.7	43.78N	16.19E	10	5.1L,5.0L		

ISC Event type fe.
IDC Error ellipse: s-maj=12.6km s-min=10.9km az=79.0.
SZGRF Northwestern Balkan Peninsula.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
THE Event type ke. Error ellipse: s-maj=7.5km s-min=1.4km az=295.0.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=1.3km s-min=1.1km az=44.5.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=190.0. Felt [III] at Split. Also felt at Bol, Dubrovnik, Jasenice, Makarska, Postire, Solin and Trogir. Felt [II] at Sarajevo, Bosnia and Herzegovina. Also felt at Mostar and Visoko.
MOS Error ellipse: s-maj=3.5km s-min=2.6km az=108.4.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=30.0.
VIE Event type ke. Error ellipse: s-maj=5.5km s-min=3.3km az=79.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=21.0.
STR Event type ke.

(224) Hokkaido region

ISC	**VI**	**21 12 21 53.1–.75**	**42.34N–.05**	**142.97E–.04**	**61–6**	**3.6b**	**34**	**0-86**
ISCJB	VI	21 12 21 52.0–.41	42.27N–.04	142.99E–.05	70–3	3.7b		**¶13681778**
IDC	VI	21 12 21 53.6–1.9	42.28N	142.92E	68–18	3.7,3.6		
JMA	VI	21 12 21 53.8–.10	42.34N	142.99E	55–1	3.6,3.6		
NIED	VI	21 12 22 00	42.40N	143.00E	56	3.9W,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=5.5km az=141.5.
IDC Error ellipse: s-maj=21.3km s-min=15.8km az=111.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ57.00000°,λ84.00000°. NP2: ϕ_s236.00000°,δ33.00000°,λ99.00000°. Principal axes: T Plg77.0000°,Azm296.0000° ; N Plg5.0000°,Azm48.0000°; P Plg12.0000°,Azm139.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ67.00000°,λ93.00000°. NP2:ϕ_s200.00000°,δ23.00000°,λ83.00000°. $M_0$7.78000×10^{14}

(224) Hokkaido region

ISC	**VI**	**21 16 09 50.0–1.5**	**41.07N–.03**	**139.17E–.04**	**1–10**	**3.7b**	**64**	**1-89**
ISCJB	VI	21 16 09 50.4–.78	41.04N–.03	139.04E–.04	15–7	3.8b,3.0s		**¶13383535**
IDC	VI	21 16 09 50.3–.68	41.00N	138.87E	0	4.0,3.9		
JMA	VI	21 16 09 51.5–.10	41.05N	139.06E	33–1	4.2,3.9		
NEIC	VI	21 16 09 54.1–2.2	41.01N	138.93E	26–17	4.5b,3.8W		
NIED	VI	21 16 10 00	41.00N	139.00E	5	3.9W,3.8W		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.3km az=7.3.
IDC Error ellipse: s-maj=18.5km s-min=15.1km az=76.0.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.4km az=128.0. Moment Tensor Solution. $M_0$6.80000×10^{14}
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s353.00000°,δ74.00000°,λ88.00000°. NP2:ϕ_s182.00000°,δ16.00000°,λ98.00000°. $M_0$6.83000×10^{14}

(73) El Salvador

CASC	**VI**	**21 20 13 19.0–1.0**	**13.11N**	**89.60W**	**33–2**	**4.4b,3.9L**		
NEIC	VI	21 20 13 00.0	13.13N	89.60W	45	4.4b,3.8		**¶14931592**

CASC Error ellipse: s-maj=2.8km s-min=1.8km az=-1.0.
NEIC Event type fe. Felt [II] at San Salvador. After SNET.

(238) Ryukyu Islands

ISC	**VI**	**22 09 50 34.2–.71**	**29.23N–.04**	**129.44E–.07**	**86–7**	**3.5b**	**42**	**1-75**
NIED	VI	22 09 50 00	29.30N	129.30E	53	4.1W		**¶13681834**
ISCJB	VI	22 09 50 33.3–.32	29.23N–.04	129.43E–.08	94–5	3.5b		
JMA	VI	22 09 50 33.7–.10	29.25N	129.37E	81–2	3.9		
IDC	VI	22 09 50 35.0–2.7	29.17N	129.30E	97–25	3.4,3.3		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ81.00000°,λ82.00000°. NP2:ϕ_s30.00000°,δ12.00000°,λ130.00000°. $M_0$1.80000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=3.5km az=26.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=28.0km s-min=16.8km az=76.0.

(236) Shikoku

ISC	**VI**	**22 10 42 43.6–1.5**	**32.32N–.05**	**132.18E–.05**	**25–12**		**19**	**1-40**
NIED	VI	22 10 42 00	32.30N	132.20E	20	3.8W		**¶13681836**
IDC	VI	22 10 42 41.2–3.5	31.75N	131.22E	0	3.2,3.1		
JMA	VI	22 10 42 43.9	32.32N	132.14E	21–1	3.7,3.1		
ISCJB	VI	22 10 42 44.1–.85	32.34N–.05	132.15E–.05	28–7	3.0b,3.1		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ77.00000°,λ79.00000°. NP2:ϕ_s253.00000°,δ17.00000°,λ129.00000°. $M_0$5.01000×10^{14}
JMA Event type fe.
ISCJB Event type fe.

(2) Southern Alaska

ISC	**VI**	**22 19 28 03.5–.24**	**61.97N–.02**	**150.78W–.02**	**63–1**	**5.7b**	**1422**	**0-165**
MOS	VI	22 19 28 01.3–.80	62.04N	150.94W	54	5.8b,4.4s		**¶14785634**
IDC	VI	22 19 28 03.6–.85	62.03N	150.86W	60–7	5.2,5.2		
BJI	VI	22 19 28 03.6	62.49N	151.43W	59	5.4b,5.3b		
ISCJB	VI	22 19 28 03.1–.17	62.02N–.01	150.75W–.03	69–1	5.5b,5.3b		
NEIC	VI	22 19 28 05.2	61.94N	150.70W	65	5.6b,5.5W		
BGS	VI	22 19 28 07.5–1.3	62.15N	148.83W	67	5.4b,5.5W		
GCMT	VI	22 19 28 09.3–.20	62.04N	151.02W	86–1	5.5W,5.5W		
SZGRF	VI	22 19 28 10.8	62.68N	150.74W	70	6.1b,5.5W		
DJA	VI	22 19 29 00.0–3.2	63N–24	153W–27	553–29	5.6b,5.1		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Trapper Creek; [IV] at Anchorage, Elmendorf AFB, Chugiak, Eagle River, Girdwood, Palmer, Talkeetna, Wasilla and Willow; [III] at Fort Richardson, Kenai, Soldotna and Sterling; [II] at Denali National Park, Fairbanks, Homer, Seward and Valdez. Also felt at Anchor Point, Cooper Landing, Cordova, Glennallen, Indian, Kasilof, Moose Pass, Ninilchik and North Pole. After AEIC. Moment Tensor Solution. s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.35 $M_{\theta\theta}$0.62 $M_{\phi\phi}$0.73 $M_{r\theta}$-0.95 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.26 Best double couple: NP1: ϕ_s120.00000°,δ63.00000°,λ-108.00000°. NP2:ϕ_s334.00000°,δ32.00000°,λ-59.00000°. Principal axes: T 1.7600,Plg15.0000°,Azm222.0000°; N -0.0200,Plg15.0000°,Azm127.0000° ; P -1.7300,Plg67.0000°,Azm355.0000° $M_0$1.70000×10^{17} Moment Tensor Solution. $M_0$1.30000×10^{17}
GCMT Event type se. Data Used: ll IU IC G CN. Surface waves: sta= 93, comp=179, per= 50. Moment Tensor Solution. s88,c147; s9,c9; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.78±.03 $M_{\theta\theta}$-1.39±.04; $M_{\phi\phi}$2.17±.04; $M_{r\theta}$-0.95±.03; $M_{\theta\phi}$-0.97±.04; $M_{\phi r}$-0.05±.03; Best double couple: NP1:ϕ_s26.00000°,δ65.00000°,λ-22.00000°. NP2:ϕ_s126.00000°,δ70.00000°,λ-153.00000°. Principal axes: T 2.4300,Plg4.0000°,Azm255.0000°; N -0.1900,Plg57.0000°,Azm159.0000° ; P -2.2400,Plg33.0000°,Azm347.0000° $M_0$2.30000×10^{17}
SZGRF Central Alaska, United States.

(381) Central Italy

ISC	**VI**	**22 20 58 41.7–.39**	**42.45N–.01**	**13.35E–.01**	**15–2**	**4.7b,4.6s**	**1011**	**0-88**
STR	VI	22 20 58 29.0–3.5	41.89N	14.53E	10	4.3L,4.6s		**¶13217750**
ISCJB	VI	22 20 58 39.7–.17	42.50N–.01	13.36E–.01	10–1	4.5b,4.5s		
PRU	VI	22 20 58 39.5	42.53N	13.21E	0	4.7,4.5s		
LDG	VI	22 20 58 39.5–.07	42.46N	13.31E	10	4.3L,4.5s		
IDC	VI	22 20 58 39.7–.54	42.55N	13.26E	0	4.4,4.3		
PDG	VI	22 20 58 40.5–.63	42.48N	13.35E	10–0	4.5L,4.3		
SZGRF	VI	22 20 58 40.0	42.30N	13.53E	10	4.8b,4.3		
BJI	VI	22 20 58 40.3	43.01N	13.11E	15	5.0s,4.9b		
NEIC	VI	22 20 58 40.0	42.45N	13.36E	14	4.7b,4.7W		
MOS	VI	22 20 58 40.0–.99	42.57N	13.36E	10	5.0b,4.7W		
CSEM	VI	22 20 58 40.4–.07	42.48N	13.36E	2	4.8b,4.7L		
ROM	VI	22 20 58 40.2–.04	42.45N	13.35E	14–0	4.6L,4.7L		
PDA	VI	22 20 58 41.2	42.54N	13.40E	5	4.7b,4.7L		

ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.4km az=34.0.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=19.0.
IDC Error ellipse: s-maj=11.0km s-min=9.2km az=102.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
SZGRF Central Italy.
NEIC Event type fe. Felt [VI] at Fano Adriano, Scoppito and Tornimparte; [V] at L'Aquila and Pizzoli; [IV] at Ascoli Piceno, Avezzano, Bellante, Campli, Celano, Colleferro, Isola del Gran Sasso d'Italia, Magliano de' Marsi, Montorio al Vomano, Penne, Rieti, Roseto degli Abruzzi and Teramo; [III] at Chieti, Ciampino, Frosinone, Guidonia Montecelio, Latina, Macerata, Monterotondo, Montesilvano, Pescara, Rome, Sulmona, Terni, Tivoli and Velletri. Felt throughout Abruzzo, Lazio, Marche and Umbria and in parts of Campania and Molise. After ROM. Moment Tensor Solution. $M_0$1.50000×10^{16}
MOS Error ellipse: s-maj=4.1km s-min=2.7km az=97.3.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=28.0.
ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=74.0.

(274) Southern Sumatera

ISC	**VI**	**22 21 25 30.5–.47**	**4.26S–.05**	**102.18E–.06**	**51–3**	**4.7b,4.5s**	**180**	**1-147**
IDC	VI	22 21 25 23.3–.53	4.23S	102.17E	0	4.7,4.6b		**¶13217752**
MOS	VI	22 21 25 26.4–1.1	4.22S	102.28E	33	4.8b,4.6b		
BJI	VI	22 21 25 28.2	4.30S	102.20E	50	5.1b,4.8s		
NEIC	VI	22 21 25 30.4–.60	4.26S	102.20E	52–5	4.6b,4.8s		
ISCJB	VI	22 21 25 30.5–.67	4.25S–.04	102.24E–.05	68–5	4.5b,4.8s		
DJA	VI	22 21 25 35.0–.70	4S–5.0	103E–7.0	33–5	5.2b,4.8b		

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

(381) Central Italy

ISC	**VI**	**23 00 41 57.4–.64**	**42.46N–.01**	**13.35E–.02**	**15–4**	**4.0b**	**795**	**0-82**
IDC	VI	23 00 41 56.0–1.2	42.57N	13.13E	0	3.9,3.8b		**¶13217765**
SZGRF	VI	23 00 41 55.4	42.28N	13.73E	10	3.9,3.8b		
LDG	VI	23 00 41 55.4–.08	42.47N	13.30E	2	3.6L,3.8b		
NEIC	VI	23 00 41 56.0	42.44N	13.31E	5	4.0b,3.8L		
ROM	VI	23 00 41 56.1–.06	42.44N	13.37E	15–1	4.0L,3.8L		
PRU	VI	23 00 41 56.9	42.51N	13.49E	0	4.0,3.8L		
CSEM	VI	23 00 41 56.6–.06	42.48N	13.34E	2	4.4L,3.9b		
PDG	VI	23 00 41 56.5–.40	42.51N	13.34E	12–1	3.9L,3.9b		
ISCJB	VI	23 00 41 56.2–.20	42.47N–.01	13.33E–.01	13–1	4.0b,2.8s		
MOS	VI	23 00 41 58.6–.91	42.53N	13.32E	33	4.1b,2.8s		

THE VI 23 00 42 05.5 42.37N 13.99E 21–29 4.3L,2.8s
STR VI 23 00 42 07.9–.38 43.10N 12.82E 10 3.6L,2.8s
ISC Event type fe.
IDC Error ellipse: s-maj=19.5km s-min=12.3km az=86.0.
SZGRF Central Italy.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=34.0.
NEIC Event type fe. Felt [IV] at Campli, Castellalto, L'Aquila and Valle Castellana; [III] at Ascoli Piceno, Atri, Avezzano, Bellante, Canzano, Isola del Gran Sasso d'Italia, Montorio al Vomano and Teramo; [II] at Castelraimondo, Chieti, Fara in Sabina, Folignano, Foligno, Frosinone, Giulianova, Guidonia, Introdacqua, Macerata, Monterotondo, Palestrina, Palombara Sabina, Petriolo, Pineto, Pratola Peligna, Rieti, Rome, Sambuceto, San Benedetto del Tronto, Scurcola Marsicana, Sora, Spoleto, Sulmona, Terni, Tolentino, Tortoreto and Villa Adriana. After ROM.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=28.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=34.5.
MOS Error ellipse: s-maj=4.6km s-min=3.2km az=109.8.
THE Event type ke. Error ellipse: s-maj=35.2km s-min=3.5km az=280.0.
STR Event type ke.

(229) Off east coast of Honshu

ISC	VI	23 01 06 35.9–2.1	37.21N–.06	142.18E–.06	3–12	4.2b,4.2s	89	1-146
NIED	VI	23 01 06 00	37.30N	142.10E	17	4.1W,4.2s	¶13681873	
ISCJB	VI	23 01 06 35.8–1.4	37.23N–.04	142.24E–.07	15–8	4.2b,4.1s		
NEIC	VI	23 01 06 37.6–3.8	37.21N	142.29E	13–23	4.4b,4.1s		
JMA	VI	23 01 06 37.9–.20	37.19N	142.15E	37	4.1,4.1s		
MOS	VI	23 01 06 38.0–.97	37.23N	142.28E	33	4.4b,4.1s		
IDC	VI	23 01 06 40.2–7.1	37.18N	142.22E	30–50	4.0,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ72.00000°,λ-123.00000°. NP2:ϕ_s85.00000°,δ37.00000°,λ-30.00000°. $M_0$1.40000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=6.0km az=29.0.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=8.6km az=126.0. Recorded [1 JMA] in Fukushima and Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=11.2km s-min=8.8km az=123.4.
IDC Error ellipse: s-maj=25.6km s-min=16.5km az=77.0.

(123) Northern Chile

ISC	VI	23 04 00 04.3–.59	18.76S–.05	69.79W–.08	95–4	4.1b	61	0-151
ISCJB	VI	23 04 00 03.5–.47	18.76S–.04	69.65W–.08	93–5	4.0b	¶13681881	
GUC	VI	23 04 00 04.4–.66	18.82S	69.89W	93–3	4.7L		
NEIC	VI	23 04 00 04.5–.52	18.74S	69.62W	87–6	4.1b		
IDC	VI	23 04 00 05.1–.73	18.80S	69.52W	93–6	4.1,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=6.2km az=171.9.
GUC Error ellipse: s-maj=2.4km s-min=4.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=7.7km az=95.0. Felt [II] at Arica, Camina, Huara and Putre.
IDC Error ellipse: s-maj=20.9km s-min=12.4km az=82.0.

(229) Off east coast of Honshu

ISC	VI	23 07 24 12.9–.35	39.18N–.03	143.51E–.03	27–1	5.1b,5.1s	788	1-144
NIED	VI	23 07 24 00	39.20N	143.80E	14	5.0W,5.1s	¶13441387	
IDC	VI	23 07 24 08.3–.49	39.10N	143.68E	0	4.9,4.8		
JMA	VI	23 07 24 08.5–.10	39.20N	143.79E	29	5.2,4.8		
ISCJB	VI	23 07 24 10.0–.60	39.18N–.02	143.54E–.02	16–4	5.1b,5.0s		
BJI	VI	23 07 24 11.7	39.25N	143.30E	23	5.3b,5.2b		
NEIC	VI	23 07 24 13.4–1.5	39.20N	143.46E	28–10	5.1b,5.0W		
MOS	VI	23 07 24 13.6–.83	39.43N	143.46E	33	5.3b,4.9s		
GCMT	VI	23 07 24 16.3–.30	39.25N	143.71E	15–1	5.1W,4.9s		
SZGRF	VI	23 07 24 21.0	40.52N	144.04E	32	5.1b,4.9s		
DJA	VI	23 07 24 29.5–1.1	39N–10	142E–18	100	5.3b,5.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ49.00000°,λ69.00000°. NP2:ϕ_s212.00000°,δ45.00000°,λ113.00000°. $M_0$3.75000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Misawa. Moment Tensor Solution. $M_0$3.80000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c44; s74,c102; Moment tensor: Scale 10^{16}Nm; M_{rr}2.82±.19 $M_{\theta\theta}$0.22±.12; $M_{\phi\phi}$-3.04±.15; $M_{r\theta}$2.36±.47; $M_{\theta\phi}$-1.11±.09; $M_{\phi r}$4.70±.67; Best double couple: NP1:ϕ_s185.00000°,δ16.00000°,λ70.00000°. NP2:ϕ_s26.00000°,δ75.00000°,λ95.00000°. Principal axes: T 5.8700,Plg60.0000° ,Azm303.0000°; N 0.4800,Plg5.0000°,Azm204.0000°; P -6.3500,Plg30.0000°,Azm111.0000° $M_0$6.10000×10^{16}
SZGRF Off east coast of Honshu, Japan.

(228) Near east coast of eastern Honshu

ISC	VI	23 07 37 18.6–.27	38.89N–.02	142.46E–.03	47–1	5.6b,5.1s	1404	1-163
NIED	VI	23 07 37 00	38.90N	142.50E	44	5.6W,5.1s	¶13441388	
MOS	VI	23 07 37 15.9–.83	38.94N	142.45E	33	5.8b,5.1s		
BJI	VI	23 07 37 15.7	38.92N	142.44E	39	5.4b,5.3b		
ISCJB	VI	23 07 37 17.9–.25	38.89N–.02	142.42E–.02	51–2	5.6b,5.1s		
NEIC	VI	23 07 37 17.6–.09	38.85N	142.39E	37	5.7b,5.6W		
JMA	VI	23 07 37 17.2–.10	38.90N	142.53E	39–2	5.6,5.6W		
IDC	VI	23 07 37 18.7–.42	38.84N	142.45E	49–3	5.1,5.1		
TEH	VI	23 07 37 19.0	38.89N	142.40E	47	5.7L,5.1		
BGS	VI	23 07 37 19.5–1.4	38.98N	140.93E	33	5.4b,5.2s		
GCMT	VI	23 07 37 20.1–.10	38.88N	142.51E	36–0	5.6W,5.2s		
SZGRF	VI	23 07 37 24.4	39.95N	143.27E	50	5.6b,5.2s		
DJA	VI	23 07 38 04.7–3.4	38N–13	141E–17	447–52	5.2b,4.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s85.00000°,δ48.00000°,λ113.00000°. NP2:ϕ_s232.00000°,δ47.00000°,λ66.00000°. $M_0$2.49000×10^{17}
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Shiwa and [III] at Sendai. Also felt at Misawa, Soma and Utsunomiya. Recorded [4 JMA] in Iwate and Miyagi; [2 JMA] in Akita, Aomori, Fukushima and Yamagata; [1 JMA] in Ibaraki and Tochigi. Also recorded [1 JMA] in eastern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s77 Moment tensor: Scale 10^{17}Nm; M_{rr}2.76 $M_{\theta\theta}$-2.07 $M_{\phi\phi}$-0.69 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.96 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s231.00000° ,δ50.00000°,λ75.00000°. NP2:ϕ_s74.00000°,δ42.00000°,λ107.00000°. Principal axes: T 2.9200,Plg77.0000°,Azm79.0000°; N -0.3300,Plg11.0000°,Azm240.0000° ; P -2.5900,Plg3.0000°,Azm331.0000° $M_0$2.80000×10^{17} Moment Tensor Solution. $M_0$2.50000×10^{17}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s95.00000°,δ57.00000°,λ123.00000°. NP2:ϕ_s225.00000°,δ46.00000°,λ50.00000°. Principal axes: T Plg62.0000°,Azm60.0000°; N Plg27.0000°,Azm255.0000°; P Plg6.0000° ,Azm162.0000°
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=214, per= 50. Moment Tensor Solution. s97,c182; s42,c45; Moment tensor: Scale 10^{17}Nm; M_{rr}2.53±.04 $M_{\theta\theta}$-2.56±.03; $M_{\phi\phi}$0.03±.03; $M_{r\theta}$0.43±.04; $M_{\theta\phi}$-1.10±.02; $M_{\phi r}$-0.78±.04; Best double couple: NP1:ϕ_s231.00000°,δ47.00000°,λ62.00000°. NP2:ϕ_s89.00000°,δ50.00000°,λ117.00000°. Principal axes: T 2.8500,Plg70.0000°,Azm66.0000°; N 0.1200,Plg20.0000°,Azm251.0000° ; P -2.9700,Plg1.0000°,Azm160.0000° $M_0$2.90000×10^{17}
SZGRF Off east coast of Honshu, Japan.

(173) Tonga Islands

ISC	VI	23 12 06 23.9–.59	15.19S–.08	173.54W–.09	33–2	4.7b,4.0s	171	2-175
IDC	VI	23 12 06 18.5–.51	15.26S	173.45W	0	4.6,4.5	¶13222219	
ISCJB	VI	23 12 06 22.7–.26	15.22S–.07	173.62W–.07	33	4.7b,4.0s		
BJI	VI	23 12 06 24.6	15.10S	173.70W	35	5.1b,4.9b		
NEIC	VI	23 12 06 24.3–.19	15.23S	173.57W	35	4.7b,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.6km s-min=13.6km az=135.0.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=6.5km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=5.0km az=140.0. Felt at Salamumu, Samoa.

(190) New Ireland region

ISC	VI	23 14 19 22.7–.31	5.15S–.04	153.80E–.04	65–2	6.3b	418	7-159
ISCJB	VI	23 14 19 21.4–1.0	5.14S–.04	153.72E–.03	64–9	6.2b	¶16874517	
NEIC	VI	23 14 19 22.4–.13	5.16S	153.78E	64	6.7W,6.7W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.1km az=14.6.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.5km az=140.0. Felt [V] at Kokopo, New Britain. Also felt at Arawa, Bougainville. Two events about 4 seconds apart observed on broadband displacement seismograms. Depth and focal mechanism from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s325.00000°,δ50.00000°,λ90.00000°. NP2:ϕ_s145.00000°,δ40.00000°,λ90.00000°. Principal axes: T Plg85.0000°,Azm235.0000°; N Plg0.0000°,Azm0.0000°; P Plg5.0000° ,Azm55.0000° Moment Tensor Solution. s47 Moment tensor: Scale 10^{19}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-0.87 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.63 $M_{\phi r}$0.59 Best double couple: NP1:ϕ_s336.00000° ,δ58.00000°,λ100.00000°. NP2:ϕ_s138.00000°,δ33.00000°,λ75.00000°. Principal axes: T 1.3200,Plg74.0000°,Azm272.0000°; N 0.0900,Plg8.0000°,Azm150.0000° ; P -1.4100,Plg12.0000°,Azm58.0000° $M_0$1.40000×10^{19}

(2) Southern Alaska

ISC	VI	23 14 27 55.7–.55	61.93N–.03	150.64W–.03	63–4	4.4b	121	0-73
BJI	VI	23 14 27 49.6	61.43N	149.97W	53	4.7b	¶13316229	
ISCJB	VI	23 14 27 54.8–.20	61.95N–.02	150.59W–.05	74–3	4.5b		
IDC	VI	23 14 27 54.0–1.6	61.95N	150.85W	59–17	3.9,3.8		
NEIC	VI	23 14 27 56.6	61.93N	150.66W	58	4.1W,4.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=40.9.
IDC Error ellipse: s-maj=31.4km s-min=9.6km az=115.0.
NEIC Event type fe. Felt [III] at Anchorage and [II] at Eagle River and Wasilla. Also felt at Homer, Palmer, Talkeetna and Willow. After AEIC. Moment Tensor Solution. $M_0$1.50000×10^{15}

(228) Near east coast of eastern Honshu

ISC	VI	23 17 14 38.5–1.2	38.91N–.05	142.51E–.09	43–12	3.6b	30	1-63
ISCJB	VI	23 17 14 37.0–1.1	38.88N–.04	142.6E–.10	47–12	3.6b	¶13681913	
JMA	VI	23 17 14 37.7–.10	38.90N	142.51E	38–1	3.9		
IDC	VI	23 17 14 39.9–3.2	38.80N	142.52E	63–31	3.5,3.5L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=13.6km s-min=6.0km az=18.4.
JMA Event type fe.
IDC Error ellipse: s-maj=36.1km s-min=19.8km az=106.0.

(228) Near east coast of eastern Honshu

ISC	VI	23 20 08 42.6–1.0	36.29N–.05	140.03E–.06	78–7	3.3b	23	0-60
ISCJB	VI	23 20 08 41.6–.69	36.28N–.05	140.04E–.07	84–4	3.2b	¶13681925	
IDC	VI	23 20 08 41.2–5.7	36.37N	140.17E	72–43	3.1,3.0		
JMA	VI	23 20 08 43.2–.10	36.31N	140.02E	73–1	3.1,3.0		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=7.0km az=25.9.
IDC Error ellipse: s-maj=56.5km s-min=24.9km az=66.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(224) Hokkaido region

ISC	VI	24 00 41 53.9–1.1	42.29N–.08	143.02E–.06	62–8	3.8b	20	0-70
IDC	VI	24 00 41 40.0–19	41.61N	143.63E	0	3.8,3.8	¶13681935	
ISCJB	VI	24 00 41 53.0–.84	42.29N–.09	143.04E–.09	72–5	3.6b,3.8		
JMA	VI	24 00 41 54.9–.10	42.33N	143.00E	52–1	3.3,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=437.3km s-min=60.9km az=163.0.
ISCJB Event type fe. Error ellipse: s-maj=15.2km s-min=9.5km az=158.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(238) Ryukyu Islands

ISC	VI	24 01 32 15.6–.44	27.94N–.04	128.45E–.04	94–3	4.7b	403	0-161
NIED	VI	24 01 32 00	27.90N	128.50E	89	4.5W	¶13231848	
SZGRF	VI	24 01 32 08.3	28.37N	129.49E	33	5.2b		
BJI	VI	24 01 32 11.7	27.68N	128.67E	94	4.5b,4.4b		
ISCJB	VI	24 01 32 14.8–.22	27.94N–.03	128.45E–.03	95–2	4.6b,4.4b		
MOS	VI	24 01 32 14.5–1.0	27.93N	128.43E	94	4.7b,4.4b		
NEIC	VI	24 01 32 15.7–.45	27.88N	128.36E	95–4	4.7b,4.5W		
JMA	VI	24 01 32 15.9–.10	28.00N	128.42E	83–2	4.4,4.5W		
IDC	VI	24 01 32 16.6–1.7	27.97N	128.39E	101–14	4.4,4.4		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s133.00000°,δ77.00000°,λ-127.00000°. NP2:ϕ_s27.00000°,δ39.00000°,λ-21.00000°. $M_0$6.42000×10^{15}
SZGRF Ryukyu Islands, Japan.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.0km az=135.1.
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=109.6.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.2km az=141.0. Felt at Chatan, Okinawa. Recorded [1 JMA] on Kakeroma-jima, Okino-erabu-shima, Toku-no-shima and Uke-jima. Moment Tensor Solution. $M_0$6.40000×10^{15}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=14.4km s-min=12.3km az=124.0.

(107) Ecuador

ISC	VI	24 03 38 41.0–.33	1.65S–.04	77.50W–.06	192–2	4.5b	294	1-155
IGQ	VI	24 03 38 38.0	1.67S	77.60W	219–18	4.8b,4.7s	¶13231849	
NEIC	VI	24 03 38 39.0	1.64S	77.69W	217	4.8,4.6b		
ISCJB	VI	24 03 38 40.5–.21	1.60S–.03	77.53W–.05	198–2	4.3b,4.6b		
IDC	VI	24 03 38 40.6–.58	1.53S	77.38W	182–5	4.1,4.1		
BJI	VI	24 03 38 42.4	1.50S	77.40W	190	5.0b,4.1		

ISC Event type fe.
IGQ Error ellipse: s-maj=3.8km s-min=1.3km az=2.7.
NEIC Event type fe. Felt at Cuenca and Guayaquil. After IGQ.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.3km az=162.2.
IDC Error ellipse: s-maj=14.2km s-min=7.8km az=69.0.

(243) Taiwan region

ISC	VI	24 21 09 54.2–.37	23.99N–.02	122.32E–.02	30–2	5.0b,4.5s	674	1-168
NEIC	VI	24 21 09 51.3	23.85N	122.41E	18	5.3L,5.2b	¶13366857	
BJI	VI	24 21 09 53.0	24.09N	122.26E	15	4.8b,4.7s		
JMA	VI	24 21 09 53.9–.30	24.04N	122.28E	28	5.1,4.7s		
MOS	VI	24 21 09 53.7–.92	24.25N	122.42E	33	5.3b,4.5s		
TAP	VI	24 21 09 53.8	24.03N	122.29E	22–0	5.0L,4.5s		
IDC	VI	24 21 09 54.6–2.5	24.22N	122.38E	29–17	4.6,4.6b		
DJA	VI	24 21 09 54.3–3.1	24N–7.0	122E–8.0	10	5.5b,4.9		
ISCJB	VI	24 21 09 54.4–.20	24.02N–.02	122.33E–.01	44–1	4.9b,4.5s		
GCMT	VI	24 21 09 54.3–.40	23.80N	122.18E	36–1	4.9W,4.5s		
NIED	VI	24 21 10 00	24.00N	122.30E	20	4.7W,4.5s		
SZGRF	VI	24 21 10 02.8	25.44N	121.95E	33	5.0b,4.7s		

ISC Event type se.
NEIC Event type fe. Recorded [2 TAP] in Hua-lien and I-lan; [1 TAP] in Chang-hua, Nan-t'ou, T'ai-chung, T'ai-pei T'ai-tung and Yun-lin. Recorded [1 JMA] on Iriomote-jima and Yonaguni-jima. After TAP.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=9.9km s-min=4.2km az=123.3.
TAP C.
IDC Error ellipse: s-maj=13.9km s-min=12.6km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=152.6.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s34,c40; s53,c78; Moment tensor: Scale 10^{16}Nm; M_{rr}2.13±.17 $M_{\theta\theta}$-2.34±.10; $M_{\phi\phi}$0.20±.11; $M_{r\theta}$1.45±.10; $M_{\theta\phi}$0.27±.07; $M_{\phi r}$0.73±.13; Best double couple: NP1:ϕ_s294.00000°,δ32.00000°,λ122.00000°. NP2:ϕ_s78.00000°,δ63.00000°,λ72.00000°. Principal axes: T 2.7900,Plg67.0000° ,Azm314.0000°; N -0.0300,Plg16.0000°,Azm86.0000°; P -2.7700,Plg16.0000° ,Azm181.0000° $M_0$2.80000×10^{16}
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s72.00000°,δ76.00000°,λ15.00000°. NP2:ϕ_s338.00000°,δ75.00000°,λ166.00000°. $M_0$1.26000×10^{16}
SZGRF Taiwan.

(243) Taiwan region

ISC	VI	24 22 10 52.9–.40	23.98N–.02	122.28E–.02	31–2	4.7b,4.0s	446	1-168
NIED	VI	24 22 10 00	24.10N	122.30E	38	4.5W,4.0s	¶13383560	
BJI	VI	24 22 10 51.8	24.07N	122.19E	25	4.6b,4.3L		
MOS	VI	24 22 10 51.7–.83	24.16N	122.32E	33	5.0b,4.1s		
IDC	VI	24 22 10 52.7–3.0	24.21N	122.35E	28–20	4.4,4.4		
TAP	VI	24 22 10 52.3	24.02N	122.29E	21–0	4.7L,4.4		
NEIC	VI	24 22 10 53.5–.53	24.04N	122.27E	37–4	4.9b,4.4		
DJA	VI	24 22 10 53.5–2.1	24N–7.0	123E–9.0	34–15	5.2b,4.7b		
JMA	VI	24 22 10 53.1–.30	24.11N	122.28E	30	4.7,4.7b		
ISCJB	VI	24 22 10 53.0–.19	24.01N–.02	122.28E–.01	47–1	4.7b,4.0s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ80.00000°,λ-15.00000°. NP2:ϕ_s159.00000°,δ75.00000°,λ-170.00000°. $M_0$5.50000×10^{15}
TAP C.
NEIC Event type fe. Recorded [1 TAP] in Hua-lien and I-lan.
ISCJB Event type fe.

(159) North Island
WEL VI 25 00 29 56.8–.08 38.97S 175.75E 5 3.5L
NEIC VI 25 00 29 57.0 38.96S 175.74E 3 3.5L **¶14306471**
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0. Felt from Taupo to King Country, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Turangi. After WEL.

(136) Central Chile
ISC VI 25 03 48 14.4–.99 37.20S–.03 72.77W–.09 61–9 4.2b 68 1-159
ISCJB VI 25 03 48 13.5–.57 37.21S–.03 72.6W–.10 64–5 4.1b **¶13681992**
NEIC VI 25 03 48 13.4 37.17S 72.83W 72 4.3b
GUC VI 25 03 48 13.4–.82 37.17S 72.83W 72–13 5.0L
IDC VI 25 03 48 15.3–2.8 37.21S 72.45W 57–24 4.2L,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.1km s-min=3.9km az=12.5.
NEIC Event type fe. Felt [III] at Angol, Chillan, Concepcion, Curacautin, La Florida and Los Angeles. After GUC.
GUC Error ellipse: s-maj=4.0km s-min=20.0km az=-1.0.
IDC Error ellipse: s-maj=33.6km s-min=13.0km az=98.0.

(25) Vancouver Island region
ISC VI 25 08 24 20.8–.92 48.62N–.02 123.07W–.02 18–2 70 0-4
ISCJB VI 25 08 24 21.1–.26 48.63N–.02 123.07W–.02 15–5 **¶13279119**
PNSN VI 25 08 24 22.0 48.62N 123.07W 13 2.8
PGC VI 25 08 24 21.8–.22 48.61N 123.07W 18–0 2.6L
NEIC VI 25 08 24 22.0 48.62N 123.07W 13 2.8,2.6L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=30.0.
PNSN Moment Tensor Solution. NP1:ϕ_s220.00000°,δ85.00000° NP2:ϕ_s130.00000°,δ90.00000° Principal axes: T Plg4.0000°,Azm175.0000°; P Plg4.0000°,Azm85.0000°
PGC Event type fe. 25km east of Sidney, Bc Vancouver Island Region Felt (I) at Victoria.
NEIC Event type se. After SEA.

(274) Southern Sumatera
ISC VI 25 09 15 45.2–.42 1.27S–.04 98.68E–.05 33–1 5.0b,4.2s 305 2-153
BJI VI 25 09 15 39.7 1.75S 98.83E 35 5.2b,4.9b **¶13256747**
IDC VI 25 09 15 40.4–.45 1.20S 98.73E 0 4.6,4.6
ISCJB VI 25 09 15 42.2–.98 1.25S–.03 98.66E–.03 25–6 4.9b,4.2s
DJA VI 25 09 15 43.2–1.5 1S–4.0 99E–4.0 10 5.2,5.2b
MOS VI 25 09 15 43.5–1.0 1.20S 98.72E 33 5.2b,5.2b
NEIC VI 25 09 15 46.5–1.1 1.20S 98.79E 44–8 5.0b,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=15.5km s-min=11.1km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.8km az=40.3.
MOS Error ellipse: s-maj=13.3km s-min=5.6km az=106.3.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=4.7km az=51.0. Felt [III] in the Kepulauan Mentawai.

(76) Off coast of central America
ISC VI 25 10 34 27.4–.56 12.77N–.06 88.71W–.05 35 4.3b,3.5s 88 1-148
CASC VI 25 10 34 28.2–3.3 12.74N 88.75W 24–17 4.4L,4.3b **¶13682004**
NEIC VI 25 10 34 33.1–1.4 12.88N 88.43W 89–10 4.4,4.3b
IDC VI 25 10 34 34.0–3.8 13.02N 88.35W 87–31 4.1,3.9b
ISC Event type fe.
CASC Error ellipse: s-maj=13.8km s-min=10.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=16.5km s-min=9.1km az=222.0. Felt [II] at San Salvador.
IDC Error ellipse: s-maj=33.0km s-min=17.1km az=54.0.

(221) Kuril Islands
ISC VI 25 13 51 44.7–1.0 43.33N–.07 146.51E–.06 40–9 3.9b 41 1-83
ISCJB VI 25 13 51 44.5–.79 43.36N–.05 146.47E–.07 54–6 3.8b **¶13682012**
JMA VI 25 13 51 44.9–.20 43.29N 146.43E 45–1 4.0
MOS VI 25 13 51 46.1–1.4 43.60N 146.47E 61 4.2b
IDC VI 25 13 51 48.6–2.6 43.86N 146.42E 54–25 3.8,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=6.4km az=139.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=14.7km s-min=10.6km az=76.1.
IDC Error ellipse: s-maj=40.6km s-min=16.1km az=167.0.

(235) Kyushu
ISC VI 25 14 03 57.3–.48 33.29N–.03 130.79E–.04 18–2 4.7b,4.2s 220 0-160
BJI VI 25 14 03 55.8 33.25N 130.63E 7 4.6b,4.5b **¶13256751**
ISCJB VI 25 14 03 56.0–.46 33.33N–.03 130.81E–.04 21–3 4.6b,4.2s
NEIC VI 25 14 03 56.3–.94 33.28N 130.75E 14–6 4.8b,4.5W
JMA VI 25 14 03 56.7 33.37N 130.89E 12 4.7,4.5W
MOS VI 25 14 03 57.5–1.1 33.27N 130.85E 33 4.9b,4.5W
IDC VI 25 14 03 57.1–.59 33.28N 130.87E 16–5 4.4,4.3
NIED VI 25 14 04 00 33.40N 130.90E 8 4.5W,4.3
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.2km az=17.2.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=5.0km az=137.0. Recorded [4 JMA] in Fukuoka and Oita; [2 JMA] in Kumamoto and Miyazaki; [1 JMA] in Nagasaki and Saga. Recorded [3 JMA] in Yamaguchi and [2 JMA] in Hiroshima and Shimane, Honshu and [1 JMA] in Ehime, Shikoku. Moment Tensor Solution. $M_0$7.50000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s82.00000°,δ46.00000°,λ-95.00000°. NP2:ϕ_s270.00000°,δ44.00000°,λ-84.00000°. Principal axes: T Plg1.0000°,Azm176.0000°; N Plg4.0000°,Azm86.0000°; P Plg86.0000° ,Azm278.0000°
MOS Error ellipse: s-maj=8.8km s-min=5.4km az=99.9.
IDC Error ellipse: s-maj=13.0km s-min=11.0km az=72.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s69.00000°,δ54.00000°,λ-120.00000°. NP2:ϕ_s294.00000°,δ46.00000°,λ-55.00000°. $M_0$7.50000×10^{15}

(637) Iceland region
ISC VI 25 17 20 17.8–.77 63.93N–.02 21.98W–.02 9–5 4.0b,3.1s 131 0-86
ISCJB VI 25 17 20 17.0–.28 63.94N–.02 21.99W–.04 11–2 3.9b,3.2s **¶13682020**
IDC VI 25 17 20 17.2–1.0 63.98N 22.05W 0 3.8,3.6b
NEIC VI 25 17 20 17.2–.47 63.96N 21.99W 1–4 4.4b,3.9L
CSEM VI 25 17 20 17.4–.16 63.96N 21.93W 5 4.3b,3.9L
REY VI 25 17 20 17.7 63.92N 22.01W 6 3.7L,3.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=169.3.
IDC Error ellipse: s-maj=22.5km s-min=9.7km az=100.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.3km az=154.0. Felt in the Reykjavik area.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=3.0.
REY Event type ke.

(460) Wyoming
ISC VI 25 19 59 23.3–.62 43.68N–.02 105.37W–.02 0 111 0-61
ISCJB VI 25 19 59 23.3–.22 43.68N–.02 105.29W–.03 0 4.2b **¶13682030**
IDC VI 25 19 59 23.4–1.9 43.75N 105.55W 0 4.0,4.0b
NEIC VI 25 19 59 23.2–.45 43.75N 105.42W 0 2.9L,4.0b
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.7km s-min=2.2km az=161.4.
IDC Error ellipse: s-maj=51.1km s-min=8.6km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=8.3km s-min=5.6km az=177.0. 60 km [40 miles] S of Gillette. Suspected Mining explosion.

(228) Near east coast of eastern Honshu
ISC VI 26 07 49 33.0–2.1 38.88N–.04 142.62E–.08 32–14 3.8b 29 1-88
NIED VI 26 07 49 00 38.90N 142.50E 74 3.7W **¶13682051**
ISCJB VI 26 07 49 33.2–1.1 38.88N–.04 142.56E–.10 48–11 3.9s,3.6b
JMA VI 26 07 49 34.1–.10 38.91N 142.51E 39–2 3.8,3.6b
IDC VI 26 07 49 35.2–2.8 38.82N 142.61E 54–27 3.9s,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s73.00000°,δ50.00000°,λ84.00000°. NP2:ϕ_s262.00000°,δ41.00000°,λ97.00000°. $M_0$4.01000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=6.1km az=20.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=31.9km s-min=19.9km az=102.0.

(159) North Island
WEL VI 26 07 58 38.5–.13 39.75S 176.85E 26–1 3.7L
NEIC VI 26 07 58 38.2 39.79S 176.89E 28 3.7L **¶14306521**
WEL Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=90.0. Felt in the Hawke"s Bay region, maximum reported intensity MM 4.
NEIC Event type fe. Felt in the Taradale area. After WEL.

(159) North Island
WEL VI 26 13 01 56.8–.09 38.98S 175.76E 5 4.4L
NEIC VI 26 13 01 56.6 38.96S 175.74E 3 4.3L,4.0b **¶14306525**
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.9km az=90.0. Felt from Taupo to King Country, maximum reported intensity MM 5.
NEIC Event type fe. Felt [V] at Pukawa and [IV] at Motuoapa and Turangi. After WEL.

(135) Near coast of central Chile
ISC VI 26 13 05 33.0–.36 31.73S–.03 71.40W–.05 43–3 4.5b,3.5s 142 0-164
ISCJB VI 26 13 05 32.9–.41 31.71S–.03 71.49W–.07 54–4 4.4b,3.5s **¶13682062**
GUC VI 26 13 05 33.5–.79 31.74S 71.40W 42–1 4.9L,3.5s
NEIC VI 26 13 05 33.0 31.74S 71.39W 42 4.4b,3.5s
IDC VI 26 13 05 33.4–.46 31.72S 71.29W 44–3 4.5L,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=4.3km az=177.8.
GUC Error ellipse: s-maj=1.7km s-min=4.1km az=-1.0.
NEIC Event type fe. Felt [III] at Canela, Illapel, La Ligua, Los Vilos, Punitaqui and Salamanca; [II] at Cabildo, Los Andes, San Felipe, Santiago and Zapallar. After GUC.
IDC Error ellipse: s-maj=19.0km s-min=12.3km az=84.0.

(2) Southern Alaska
ISC VI 26 16 48 19.9–.39 61.93N–.03 150.63W–.03 68–3 4.6b 351 0-152
MOS VI 26 16 48 17.4–.80 61.97N 150.90W 64 5.1b **¶13280081**
ISCJB VI 26 16 48 18.6–.17 61.92N–.02 150.60W–.04 77–2 4.4b
BJI VI 26 16 48 18.0 61.90N 150.60W 48 4.9b,4.8b
NEIC VI 26 16 48 20.7 61.91N 150.64W 60 4.9b,4.2L
IDC VI 26 16 48 20.5–.53 62.06N 150.78W 73–4 4.1,4.0
ISC Event type fe.
MOS Error ellipse: s-maj=15.5km s-min=4.9km az=87.7.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=147.7.
NEIC Event type fe. Felt [III] at Anchorage and Eagle River; [II] at Palmer and Wasilla. Also felt at Chugiak, Seward, Talkeetna and Willow. After AEIC.
IDC Error ellipse: s-maj=14.6km s-min=10.4km az=28.0.

(232) Western Honshu
ISC VI 26 17 05 13.9–1.2 34.35N–.04 136.12E–.03 4–9 3.6b 22 0-152
NIED VI 26 17 05 00 34.40N 136.10E 5 3.6W **¶13306823**
ISCJB VI 26 17 05 13.8–.52 34.34N–.03 136.11E–.03 6–4 3.5b
JMA VI 26 17 05 13.9 34.35N 136.11E 8 3.9
IDC VI 26 17 05 14.7–.88 34.42N 136.26E 0 3.5,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s100.00000°,δ88.00000°,λ-2.00000°. NP2:ϕ_s190.00000°,δ88.00000°,λ-178.00000°. $M_0$2.98000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=11.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s271.00000°,δ75.00000°,λ-19.00000°. NP2:ϕ_s6.00000°,δ72.00000°,λ-164.00000°. Principal axes: T Plg2.0000°,Azm319.0000°; N Plg66.0000°,Azm53.0000°; P Plg24.0000° ,Azm228.0000°
IDC Error ellipse: s-maj=19.4km s-min=14.8km az=121.0.

(159) North Island
ISC VI 26 17 21 21.8–.79 38.92S–.02 175.76E–.02 8–4 4.1b,3.9s 182 0-154
IDC VI 26 17 21 21.0–.80 38.75S 175.76E 0 4.3,4.1b **¶13682077**
ISCJB VI 26 17 21 21.5–.33 38.93S–.02 175.73E–.03 5–3 4.0b,3.9s
NEIC VI 26 17 21 21.9–.22 38.92S 175.74E 3–2 4.4L,3.9s
WEL VI 26 17 21 21.7–.14 38.98S 175.75E 3–1 4.4L,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=28.0km s-min=16.5km az=160.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.3km az=29.1.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=116.0. Felt at Turangi and Lake Taupo.
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0. Felt from Taupo to King Country, maximum reported intensity MM 5.

(369) Dodecanese Islands
ISC VI 26 20 37 37.9–.43 36.51N–.02 25.47E–.02 14–2 4.9b,4.0s 1465 0-128
BEO VI 26 20 36 58.6–.96 33.73N 26.83E 0 4.9L,4.0s **¶13584568**
DDA VI 26 20 37 28.5 36.35N 25.03E 3 5.3L,4.0s
HLW VI 26 20 37 34.4 36.93N 25.58E 26–10 4.1L,4.1
ISK VI 26 20 37 35.9 36.56N 25.22E 26 4.9L,4.1
BJI VI 26 20 37 35.7 36.44N 24.76E 36 5.0b,4.8b
BGS VI 26 20 37 35.1–1.8 36.05N 25.03E 10 5.0b,4.8b
IDC VI 26 20 37 35.7–.43 36.58N 25.51E 0 4.7,4.7b
ISCJB VI 26 20 37 37.5–.28 36.54N–.01 25.46E–.01 22–2 4.8b,4.0s
PDG VI 26 20 37 37.3–.68 36.53N 25.48E 16–1 4.6L,4.0s
ATH VI 26 20 37 37.5 36.53N 25.49E 28–1 5.0L,3.9
CSEM VI 26 20 37 37.5–.07 36.47N 25.53E 15 5.0b,3.6s
THE VI 26 20 37 38.1 36.53N 25.43E 10–0 4.9L,3.6s
NEIC VI 26 20 37 38.1 36.53N 25.43E 10 4.9b,4.9L
MOS VI 26 20 37 39.2–.99 36.58N 25.41E 33 5.0b,4.9L
PDA VI 26 20 37 40.9 36.57N 25.40E 37 4.8b,4.9L
SFS VI 26 20 37 40.0 36.57N 25.39E 37 4.8L,4.9L
NIC VI 26 20 37 40.3–.20 36.00N 25.42E 36 4.5b,4.0L
SZGRF VI 26 20 37 58.0 37.68N 23.74E 33 4.5b,4.0L
ISC Event type fe.
BEO Event type ke.
DDA Event type ke.
BGS Error ellipse: s-maj=120.1km s-min=123.7km az=-1.0.
IDC Error ellipse: s-maj=11.3km s-min=10.7km az=160.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=17.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=33.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=211.0.
NEIC Event type fe. Felt [IV] at Thira and [III] at Naxos and Oia. Also felt at Aiyira, Ano Siros, Chania, Ios, Naousa, Paros, Skala and Vari. After THE.
MOS Error ellipse: s-maj=4.3km s-min=2.4km az=110.5.
SFS Event type ke.
NIC Moment Tensor Solution. $M_0$8.20000×10^{14}
SZGRF Southern Greece.

(499) Oklahoma
NEIC VI 26 21 23 13.8–.35 36.36N 97.47W 5 3.7
¶13306866
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.5km az=179.0. Felt [II] at Enid, Garber and Perry. Also felt at Billings, Choctaw, Covington, Crescent, Douglas, Fairmont, Lucien, Marshall, Mulhall, Orlando, Ponca City and Waukomis. Felt at Wichita, Kansas.

(159) North Island
WEL VI 26 22 04 05.7–.08 38.96S 175.75E 5 2.8L
¶14306549
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0. Felt in the Taupo region, maximum reported intensity MM 4.

(369) Dodecanese Islands
ISC VI 26 22 14 53.4–.59 36.52N–.02 25.50E–.02 13–3 4.7b,3.6s 1477 0-128
NSSC VI 26 22 14 42.4–8.3 38.07N 25.87E 5 3.9L,3.6s **¶14306606**
DDA VI 26 22 14 46.1 36.47N 25.24E 5 4.4,3.6s
ISK VI 26 22 14 51.8 36.51N 25.21E 34 4.5L,3.6s
IDC VI 26 22 14 51.3–.45 36.59N 25.51E 0 4.5,4.5b
ISCJB VI 26 22 14 52.6–.28 36.53N–.01 25.45E–.01 18–2 4.6b,3.7s
ATH VI 26 22 14 52.2 36.55N 25.42E 18–2 4.6L,3.9
BJI VI 26 22 14 52.3 36.74N 24.95E 34 4.9b,4.7s
PDG VI 26 22 14 52.8–.37 36.52N 25.50E 19–0 4.4L,4.7s
THE VI 26 22 14 53.5 36.54N 25.52E 4–1 4.7L,4.7s
CSEM VI 26 22 14 53.6–.07 36.50N 25.48E 15 4.6b,3.9W
NEIC VI 26 22 14 53.5 36.54N 25.52E 4 4.7b,4.7L
MOS VI 26 22 14 54.9–1.0 36.60N 25.42E 33 4.8b,4.7L
PDA VI 26 22 14 57.1 36.53N 25.41E 40 4.6b,4.7L
SFS VI 26 22 14 57.0 36.53N 25.41E 41 4.6L,4.7L
NIC VI 26 22 14 58.8–.40 36.59N 25.95E 25 4.4b,3.9L
BEO VI 26 22 15 02.8 36.53N 25.77E 0 4.4b,3.9L
HLW VI 26 22 15 02.0 35.91N 26.05E 12–13 4.0,3.9L
SZGRF VI 26 22 15 10.1 37.68N 23.74E 33 4.0,3.9L
ISC Event type fe.
NSSC Error ellipse: s-maj=928.1km s-min=627.6km az=-1.0.
DDA Event type ke.
IDC Error ellipse: s-maj=11.8km s-min=11.2km az=143.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=10.7.
ATH Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=243.0.

CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=18.0.
NEIC Event type fe. Felt [IV] at Oia and Thira. Also felt at Iraklion, Methoni, Mikonos and Paros. After THE.
MOS Error ellipse: s-maj=4.5km s-min=2.6km az=112.6.
SFS Event type ke.
NIC Moment Tensor Solution. $M_0$5.00000×10^{14}
BEO Event type ke.
SZGRF Southern Greece.

(122) Near coast of northern Chile

ISC	**VI**	**26 22 52 30.0–.26**	**23.99S–.03**	**70.12W–.04**	**51–1**	**4.6b,3.9s**	**299**	**0-173**
ISCJB	VI	26 22 52 28.5–.36	24.01S–.02	70.08W–.05	52–3	4.6b,3.6s		**¶13306885**
GUC	VI	26 22 52 29.3–.58	23.94S	70.29W	65–3	4.7L,3.6s		
NEIC	VI	26 22 52 29.8–.23	23.99S	70.02W	50	4.5b,3.6s		
IDC	VI	26 22 52 30.2–.40	24.06S	70.11W	52–3	4.2b,4.2		
BJI	VI	26 22 52 31.9	24.00S	70.00W	50	5.1s,5.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=3.7km az=1.3.
GUC Error ellipse: s-maj=3.0km s-min=3.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.7km az=83.0. Felt [II] at Antofagasta.
IDC Error ellipse: s-maj=12.5km s-min=7.1km az=117.0.

(228) Near east coast of eastern Honshu

ISC	**VI**	**27 00 12 22.2–1.3**	**38.93N–.05**	**142.53E–.10**	**42–12**	**3.5b**	**27**	**1-59**
NIED	VI	27 00 12 00	38.90N	142.50E	53	4.1W		**¶13682096**
ISCJB	VI	27 00 12 21.3–1.2	38.88N–.05	142.5E–.10	51–11	3.5b		
JMA	VI	27 00 12 21.8–.10	38.90N	142.50E	41–2	3.8		
IDC	VI	27 00 12 24.6–4.9	38.82N	142.45E	67–45	3.5,3.3b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s317.00000°,δ87.00000°,λ-70.00000°. NP2:ϕ_s55.00000°,δ20.00000°,λ-171.00000°. $M_0$1.82000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=7.1km az=15.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=38.6km s-min=25.1km az=86.0.

(228) Near east coast of eastern Honshu

ISC	**VI**	**27 04 07 18.8–.96**	**37.38N–.04**	**141.52E–.07**	**61–8**	**3.5b**	**31**	**1-90**
NIED	VI	27 04 07 00	37.40N	141.50E	62	3.8W		**¶13682116**
ISCJB	VI	27 04 07 17.8–.79	37.38N–.04	141.51E–.08	65–6	3.6b		
IDC	VI	27 04 07 19.6–4.3	37.38N	141.58E	71–36	3.9L,3.7		
JMA	VI	27 04 07 19.3–.10	37.40N	141.41E	63–1	4.0,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ60.00000°,λ131.00000°. NP2:ϕ_s322.00000°,δ49.00000°,λ41.00000°. $M_0$5.19000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.7km s-min=6.3km az=23.1.
IDC Error ellipse: s-maj=34.0km s-min=20.1km az=61.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(248) Philippine Islands region

ISC	**VI**	**27 06 33 52.3–.52**	**19.12N–.03**	**121.20E–.04**	**31–3**	**4.9b,4.2s**	**434**	**1-171**
IDC	VI	27 06 33 47.0–.41	19.04N	121.12E	0	5.2L,4.8		**¶13306954**
BJI	VI	27 06 33 47.5	19.21N	121.22E	7	4.8b,4.7b		
NEIC	VI	27 06 33 48.8–.16	19.09N	121.11E	10	5.0b,4.7b		
MOS	VI	27 06 33 50.7–.98	19.10N	121.15E	33	5.1b,4.1s		
ISCJB	VI	27 06 33 51.3–.14	19.19N–.02	121.09E–.03	33	4.8b,4.3s		
MAN	VI	27 06 33 52	19.03N	120.94E	10	5.6b,5.0s		
DJA	VI	27 06 34 06.8–1.3	19N–5.0	121E–6.0	130–13	5.2b,4.8b		

ISC Event type fe.
NEIC Event type fe. Felt [II PIVS] at Laoag and Pasuquin, Luzon.
ISCJB Event type fe.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE; LAOAG CITY.

(228) Near east coast of eastern Honshu

ISC	**VI**	**27 07 34 05.3–1.2**	**35.43N–.05**	**140.21E–.07**	**45–8**		**21**	**0-55**
IDC	VI	27 07 34 01.4–2.0	35.32N	140.17E	0	3.5,3.4		**¶13682121**
ISCJB	VI	27 07 34 04.5–.75	35.41N–.05	140.22E–.09	50–6	3.3b,3.4		
JMA	VI	27 07 34 04.8–.10	35.50N	140.21E	42–1	2.7,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=18.7km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=6.0km az=151.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(236) Shikoku

ISC	**VI**	**27 09 00 58.2–1.2**	**32.13N–.05**	**132.00E–.05**	**29–9**	**3.4b**	**23**	**0-84**
JMA	VI	27 09 00 57.9–.10	32.12N	132.05E	9–3	4.0		**¶15442127**
IDC	VI	27 09 00 57.9–2.8	32.00N	131.83E	35–20	3.4,3.4L		
NIED	VI	27 09 01 00	32.10N	132.10E	20	3.9W,3.4L		

ISC Event type ke.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=25.8km s-min=19.3km az=60.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ73.00000°,λ84.00000°. NP2:ϕ_s231.00000°,δ18.00000°,λ109.00000°. $M_0$9.31000×10^{14}

(227) Eastern Honshu

ISC	**VI**	**27 11 42 11.7–.93**	**39.18N–.03**	**140.94E–.03**	**11–6**	**4.4b,3.4s**	**142**	**0-146**
NIED	VI	27 11 42 00	39.20N	141.00E	5	4.1W,3.4s		**¶13383575**
IDC	VI	27 11 42 09.9–.56	39.16N	140.96E	0	4.2,4.2		
JMA	VI	27 11 42 11.1	39.19N	140.95E	7	4.2,4.2		
ISCJB	VI	27 11 42 11.1–.43	39.19N–.02	140.95E–.04	18–3	4.3b,3.3s		
MOS	VI	27 11 42 13.4–1.1	39.19N	140.82E	33	4.6b,3.3s		
NEIC	VI	27 11 42 16.0–.61	39.16N	140.93E	44–5	4.4b,3.3s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ53.00000°,λ96.00000°. NP2:ϕ_s186.00000°,δ38.00000°,λ82.00000°. $M_0$1.55000×10^{15}
IDC Error ellipse: s-maj=14.9km s-min=11.7km az=121.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s240.00000°,δ86.00000°,λ-142.00000°. NP2:ϕ_s147.00000°,δ52.00000°,λ-5.00000°. Principal axes: T Plg23.0000°,Azm7.0000°; N Plg51.0000°,Azm245.0000°; P Plg29.0000° ,Azm111.0000°
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.9km az=6.9.
MOS Error ellipse: s-maj=9.7km s-min=6.2km az=93.6.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=127.0.

(36) Northern California

ISC	**VI**	**27 17 29 35.4–.86**	**40.20N–.04**	**122.81W–.04**	**10**		**32**	**0-19**
IDC	VI	27 17 29 32.4–3.0	40.09N	123.16W	0	3.5L,3.3		**¶13307058**
ISCJB	VI	27 17 29 35.8–.43	40.19N–.03	122.70W–.05	10	3.5L,3.3		
NEIC	VI	27 17 29 35.3	40.19N	122.80W	8	3.8W,3.3		

ISC Event type fe.
IDC Error ellipse: s-maj=32.8km s-min=7.8km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.4km az=140.7.
NEIC Event type fe. Felt at Hayfork. After NCEDC. Moment Tensor Solution. $M_0$6.60000×10^{14}

(161) Off west coast of South Island

ISC	**VI**	**27 18 32 20.5–1.5**	**42.58S–.05**	**169.87E–.05**	**27–13**	**3.9b,3.5s**	**141**	**1-151**
IDC	VI	27 18 32 16.9–.91	42.43S	169.93E	0	3.8,3.7		**¶15156286**
AUST	VI	27 18 32 17.9–99	42.59S	169.89E	0–0	3.8,3.7		
ISCJB	VI	27 18 32 19.6–.51	42.53S–.04	169.87E–.06	39–14	3.8b,3.4s		
WEL	VI	27 18 32 20.6–.80	42.50S	169.80E	33	4.8L,3.4s		
NEIC	VI	27 18 32 22.0	42.60S	169.91E	33	4.8L,4.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=29.5km s-min=17.8km az=38.0.
AUST Error ellipse: s-maj=2.5km s-min=0.9km az=300.0.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=3.3km az=41.6.
WEL Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=90.0. Felt in the West Coast region, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Greymouth, Hokitika, Runanga and Westport. After WEL.

(135) Near coast of central Chile

ISC	**VI**	**27 18 48 08.8–.61**	**34.73S–.04**	**71.87W–.08**	**48–5**	**4.0b**	**78**	**1-157**
GUC	VI	27 18 48 07.6–.69	34.77S	71.84W	40–4	4.4L		**¶13682151**
NEIC	VI	27 18 48 07.6	34.77S	71.84W	40	3.9b		
ISCJB	VI	27 18 48 08.0–.70	34.76S–.04	71.89W–.10	60–6	3.9b		
IDC	VI	27 18 48 09.1–.78	34.71S	71.69W	45–7	4.0L,3.9		

ISC Event type fe.
GUC Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
NEIC Event type fe. Felt [II] at Curico, Rancagua, San Fernando, Santiago and Talca. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=14.1km s-min=5.3km az=16.7.
IDC Error ellipse: s-maj=27.2km s-min=17.8km az=89.0.

(228) Near east coast of eastern Honshu

JMA	**VI**	**27 18 48 11.0–.10**	**37.04N**	**141.19E**	**70–1**	**3.6**		
NIED	VI	27 18 48 00	37.00N	141.20E	47	3.2W		**¶14494754**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s273.00000°,δ83.00000°,λ-58.00000°. NP2:ϕ_s14.00000°,δ33.00000°,λ-167.00000°. Principal axes: T Plg31.0000°,Azm337.0000°; N Plg32.0000°,Azm89.0000°; P Plg43.0000° ,Azm214.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ73.00000°,λ-116.00000°. NP2:ϕ_s256.00000°,δ31.00000°,λ-35.00000°. $M_0$7.67000×10^{13}

(224) Hokkaido region

ISC	**VI**	**27 21 55 19.9–.86**	**41.58N–.04**	**141.91E–.04**	**64–8**	**3.8b**	**47**	**1-79**
NIED	VI	27 21 55 00	41.60N	141.90E	56	3.8W		**¶13383582**
ISCJB	VI	27 21 55 19.1–.37	41.59N–.03	141.91E–.05	72–3	3.7b		
JMA	VI	27 21 55 19.8–.10	41.59N	141.92E	64–2	3.7		
IDC	VI	27 21 55 20.5–1.7	41.64N	142.02E	71–14	3.6,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ68.00000°,λ90.00000°. NP2:ϕ_s198.00000°,δ22.00000°,λ90.00000°. $M_0$5.42000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.3km az=36.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s21.00000°,δ74.00000°,λ91.00000°. NP2: ϕ_s196.00000°,δ16.00000°,λ85.00000°. Principal axes: T Plg61.0000°,Azm293.0000° ; N Plg1.0000°,Azm201.0000°; P Plg29.0000°,Azm110.0000°
IDC Error ellipse: s-maj=21.8km s-min=11.9km az=112.0.

(2) Southern Alaska

ISC	**VI**	**27 23 37 51.6–.88**	**61.53N–.03**	**149.99W–.03**	**51–8**	**3.4b**	**70**	**0-64**
IDC	VI	27 23 37 49.7–1.4	61.61N	150.59W	43–18	3.4,3.2		**¶13682166**
ISCJB	VI	27 23 37 50.3–.28	61.56N–.03	149.99W–.05	64–4	3.4b,3.2		
NEIC	VI	27 23 37 52.2	61.55N	149.95W	46	3.4L,3.2		

ISC Event type fe.
IDC Error ellipse: s-maj=26.9km s-min=9.6km az=110.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.4km az=158.1.
NEIC Event type fe. Felt at Anchorage and Willow. After AEIC.

(235) Kyushu

ISC	**VI**	**28 00 35 28.9–.78**	**32.97N–.03**	**129.92E–.04**	**11–5**	**3.9b**	**53**	**0-85**
NIED	VI	28 00 35 00	33.00N	129.90E	5	4.1W		**¶13307132**
ISCJB	VI	28 00 35 27.8–.52	32.99N–.03	129.90E–.04	14–3	3.8b,2.9s		
IDC	VI	28 00 35 27.0–.74	32.95N	129.86E	0	3.9,3.8		
NEIC	VI	28 00 35 28.4	32.98N	129.90E	22	4.0b,3.8		
JMA	VI	28 00 35 28.4	32.98N	129.90E	12–1	4.0,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ65.00000°,λ-142.00000°. NP2:ϕ_s300.00000°,δ56.00000°,λ-30.00000°. $M_0$1.74000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.2km az=148.5.
IDC Error ellipse: s-maj=16.9km s-min=9.4km az=179.0.
NEIC Event type fe. Felt at Sasebo. Recorded [3 JMA] in Saga; [2 JMA] in Nagasaki; [1 JMA] in Fukuoka and Kumamoto. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s51.00000°,δ70.00000°,λ-141.00000°. NP2:ϕ_s306.00000°,δ54.00000°,λ-25.00000°. Principal axes: T Plg10.0000°,Azm175.0000°; N Plg47.0000°,Azm74.0000°; P Plg41.0000° ,Azm274.0000°

(244) Taiwan

ISC	**VI**	**28 05 44 36.7–.56**	**24.16N–.02**	**121.76E–.02**	**12–3**	**4.1b,3.4s**	**170**	**0-96**
NIED	VI	28 05 44 00	24.10N	121.60E	23	4.2W,3.4s		**¶13307166**
BJI	VI	28 05 44 34.3	24.16N	121.83E	6	4.6L,4.5b		
NEIC	VI	28 05 44 35.7–.63	24.13N	121.82E	10	4.7L,4.4b		
ISCJB	VI	28 05 44 36.4–.33	24.17N–.01	121.82E–.02	5–2	4.0b,3.5s		
TAP	VI	28 05 44 36.9	24.18N	121.75E	12–0	4.7L,3.5s		
JMA	VI	28 05 44 37.1–.30	24.07N	121.64E	53	4.1,3.5s		
IDC	VI	28 05 44 45.8–4.0	24.13N	121.75E	97–38	3.9,3.8		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s358.00000°,δ63.00000°,λ-126.00000°. NP2:ϕ_s236.00000°,δ44.00000°,λ-41.00000°. $M_0$2.65000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=6.5km az=118.0. Recorded [4 TAP] in Hua-lien; [3 TAP] in I-lan and Nan-t'ou; [2 TAP] in T'ai-chung; [1 TAP] in Chang-hua, Miao-li, T'ao-yuan and Yun-lin.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=37.2.
TAP B.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=17.7km s-min=13.4km az=79.0.

(162) South Island

WEL	**VI**	**28 05 57 46.6–.10**	**42.69S**	**173.44E**	**33**	**3.6L**		
NEIC	VI	28 05 57 46.7	42.70S	173.45E	33	3.7L		**¶14306727**

WEL Event type fe. Error ellipse: s-maj=1.6km s-min=0.9km az=90.0. Felt in the Canterbury region, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] at Cheviot. After WEL.

(251) Samar

ISC	**VI**	**28 06 58 10.5–1.3**	**12.83N–.04**	**124.10E–.05**	**28–10**	**4.1b,3.3s**	**35**	**1-93**
MAN	VI	28 06 58 09	12.81N	124.10E	6	5.2b,4.3s		**¶13682183**
ISCJB	VI	28 06 58 10.1–1.0	12.87N–.05	124.17E–.05	33–8	4.0b,3.4s		
IDC	VI	28 06 58 17.4–2.4	12.78N	124.08E	95–23	3.8,3.8		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - SORSOGON CITY; INTENSITY III - LEGASPI CITY; INTENSITY II - SAN JACINTO TICAO IS MASBATE.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=7.5km az=41.9.
IDC Error ellipse: s-maj=21.3km s-min=12.1km az=73.0.

(244) Taiwan

ISC	**VI**	**28 09 34 57.1–.32**	**24.17N–.02**	**121.78E–.02**	**17–1**	**5.0b,4.8s**	**569**	**0-168**
NIED	VI	28 09 34 00	24.00N	121.60E	38	5.1W,4.8s		**¶14395767**
BJI	VI	28 09 34 53.6	24.16N	121.88E	10	5.5L,5.3s		
IDC	VI	28 09 34 53.5–.42	24.22N	121.73E	0	4.7,4.6		
JMA	VI	28 09 34 54.7–.40	23.96N	121.61E	33	5.5,4.6		
ISCJB	VI	28 09 34 56.6–.21	24.21N–.01	121.78E–.01	24–1	4.9b,4.7s		
NEIC	VI	28 09 34 56.5–.78	24.17N	121.72E	14–4	5.3L,5.1b		
TAP	VI	28 09 34 56.2	24.18N	121.75E	13–0	5.3L,5.1b		
MOS	VI	28 09 34 57.6–1.2	24.20N	121.74E	33	5.2b,4.9s		
GCMT	VI	28 09 34 57.2–.20	24.13N	121.75E	15–1	5.1W,4.9s		
DJA	VI	28 09 35 04.3–2.3	24N–5.0	122E–5.0	63–23	5.5b,4.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s63.00000°,δ84.00000°,λ114.00000°. NP2:ϕ_s167.00000°,δ25.00000°,λ15.00000°. $M_0$4.75000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Taipei. Also felt at Hua-lien, I-lan, T'ai-chung and Wu-ch'i. Recorded [5 TAP] in Hua-lien and I-lan; [3 TAP] in Nan-t'ou and T'ai-chung; [2 TAP] at Tou-liu and in Chia-i, T'ao-yuan and Yun-lin; [1 TAP] in Chang-hua, Hsin-chu, Miao-li, T'ai-nan, T'ai-pei and T'ai-tung.
TAP B.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s44,c62; s67,c108; Moment tensor: Scale 10^{16}Nm; M_{rr}2.86±.17 $M_{\theta\theta}$-1.63±.11; $M_{\phi\phi}$-1.23±.13; $M_{r\theta}$4.03±.36; $M_{\theta\phi}$-2.38±.09; $M_{\phi r}$2.67±.31; Best double couple: NP1:ϕ_s214.00000°,δ18.00000°,λ69.00000°. NP2:ϕ_s56.00000°,δ73.00000°,λ97.00000°. Principal axes: T 5.4500,Plg62.0000° ,Azm336.0000°; N 0.8700,Plg6.0000°,Azm234.0000°; P -6.3200,Plg28.0000°,Azm141.0000° $M_0$5.90000×10^{16}

(244) Taiwan

ISC	**VI**	**28 09 52 46.6–.36**	**24.18N–.02**	**121.78E–.02**	**16–1**	**4.5b,4.5s**	**343**	**0-96**
NIED	VI	28 09 52 00	24.10N	121.70E	35	4.8W,4.5s		**¶13383585**
IDC	VI	28 09 52 43.2–.52	24.18N	121.79E	0	4.3,4.2		
BJI	VI	28 09 52 43.0	24.21N	121.83E	4	5.0b,4.9s		
JMA	VI	28 09 52 44.4–.40	24.05N	121.68E	17	5.0,4.9s		
TAP	VI	28 09 52 45.3	24.18N	121.77E	14–0	4.8L,4.9s		
NEIC	VI	28 09 52 45.6–.87	24.15N	121.76E	12–5	4.8L,4.7b		
ISCJB	VI	28 09 52 46.1–.23	24.20N–.01	121.80E–.02	21–1	4.4s,4.4b		
MOS	VI	28 09 52 47.0–1.0	24.27N	121.83E	33	4.9b,4.7s		
DJA	VI	28 09 52 53.9–6.9	24N–9.0	122E–7.0	61–78	4.5,4.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s65.00000°,δ79.00000°,λ107.00000°. NP2:ϕ_s186.00000°,δ20.00000°,λ33.00000°. $M_0$1.89000×10^{16}
TAP B.
NEIC Event type fe. Felt at Chang-hua, Hsin-chu and Taipei. Recorded [4 TAP] in Hua-lien and I-lan; [3 TAP] in Nan-t'ou; [2 TAP] in T'ai-chung and T'ao-yuan; [1 TAP] at Tou-liu and in Chang-hua, Hsin-chu, T'ai-pei and Yun-lin.
ISCJB Event type fe.

(159) North Island

WEL VI 28 10 57 14.9–.07 39.27S 174.84E 24–1 3.5L
¶14306731

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.6km az=0.0. Felt in the Taranaki region, maximum reported intensity MM 4.

(72) Honduras

ISC	**VI**	**28 13 23 28.6–1.1**	**15.5N–.10**	**86.1W–.10**	**35**	**3.9b,3.3s**	**31**	**2-146**
IDC	VI	28 13 23 23.9–2.4	15.76N	86.15W	0	4.4L,4.2		**¶13682197**
NEIC	VI	28 13 23 27.4–.86	15.35N	86.37W	35	4.0b,4.2		
CASC	VI	28 13 23 30.3–3.1	15.43N	86.04W	35–999	4.3,4.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=70.8km s-min=30.0km az=27.0.
NEIC Event type fe. Error ellipse: s-maj=21.3km s-min=12.1km az=97.0. Felt at La Ceiba.
CASC Error ellipse: s-maj=371.1km s-min=75.7km az=-1.0.

(265) Minahassa Peninsula, Sulawesi

ISC	**VI**	**28 14 19 29.1–.32**	**1.35N–.03**	**122.28E–.05**	**30–1**	**5.4b,5.1s**	**343**	**7-171**
ISCJB	VI	28 14 19 24.9–.93	1.36N–.03	122.23E–.04	13–5	5.4b,5.1s		**¶13682200**
IDC	VI	28 14 19 29.5–1.8	1.37N	122.22E	33–13	5.5L,5.0		
NEIC	VI	28 14 19 30.0–.77	1.38N	122.20E	37–7	5.5b,5.5W		
GCMT	VI	28 14 19 32.3–.10	1.67N	122.22E	26–0	5.7W,5.5W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.2km az=164.9.
IDC Error ellipse: s-maj=13.6km s-min=8.2km az=72.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.9km az=72.0. Felt [III] at Gorontalo and Tolitoli. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}0.39 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-0.09 $M_{r\theta}$-1.94 $M_{\theta\phi}$-0.54 $M_{\phi r}$-0.34 Best double couple: NP1:ϕ_s15.00000°,δ14.00000° ,λ26.00000°. NP2:ϕ_s259.00000°,δ84.00000°,λ103.00000°. Principal axes: T 2.0200,Plg49.0000°,Azm183.0000°; N 0.1000,Plg12.0000°,Azm78.0000° ; P -2.1200,Plg37.0000°,Azm338.0000° $M_0$2.10000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=101, comp=200, per= 50. Moment Tensor Solution. s89,c164; s47,c49; Moment tensor: Scale 10^{17}Nm; M_{rr}2.06±.04 $M_{\theta\theta}$-2.13±.03; $M_{\phi\phi}$0.06±.03; $M_{r\theta}$-3.46±.11; $M_{\theta\phi}$0.09±.03; $M_{\phi r}$-0.05±.07; Best double couple: NP1:ϕ_s95.00000°,δ16.00000°,λ96.00000°. NP2:ϕ_s270.00000°,δ74.00000°,λ88.00000°. Principal axes: T 4.0100,Plg61.0000°,Azm177.0000°; N 0.0600,Plg2.0000°,Azm270.0000° ; P -4.0800,Plg29.0000°,Azm1.0000° $M_0$4.10000×10^{17}

(228) Near east coast of eastern Honshu

JMA	**VI**	**28 16 20 33.3–.10**	**38.90N**	**142.51E**	**38–2**	**3.6**		
NIED	VI	28 16 20 00	38.90N	142.50E	65	3.6W		**¶14495332**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s125.00000°,δ77.00000°,λ130.00000°. NP2:ϕ_s229.00000°,δ42.00000°,λ19.00000°. $M_0$2.91000×10^{14}

(244) Taiwan

ISC	**VI**	**28 17 02 10.4–.51**	**24.16N–.02**	**121.78E–.02**	**19–1**	**4.0b,3.8s**	**197**	**0-83**
NIED	VI	28 17 02 00	24.30N	121.60E	35	4.6W,3.8s		**¶13367474**
IDC	VI	28 17 02 07.1–.61	24.23N	121.92E	0	4.0,4.0b		
BJI	VI	28 17 02 08.6	24.16N	121.84E	18	4.7b,4.6s		
NEIC	VI	28 17 02 09.3–.90	24.15N	121.79E	15–5	4.5L,4.3b		
JMA	VI	28 17 02 09.7–.30	24.31N	121.63E	76	4.7,4.3b		
TAP	VI	28 17 02 10.2	24.17N	121.75E	13–0	4.5L,4.3b		
ISCJB	VI	28 17 02 10.3–.25	24.17N–.02	121.79E–.02	23–2	4.0b,3.8s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ74.00000°,λ110.00000°. NP2:ϕ_s194.00000°,δ25.00000°,λ41.00000°. $M_0$9.33000×10^{15}
NEIC Event type fe. Recorded [4 TAP] in Hua-lien and I-lan; [3 TAP] in Nan-t'ou; [2 TAP] in T'ai-chung; [1 TAP] in Hsin-chu, T'ai-pei and T'ao-yuan.
TAP B.
ISCJB Event type fe.

(229) Off east coast of Honshu

ISC	**VI**	**28 21 13 12.7–.50**	**35.20N–.04**	**139.94E–.04**	**116–4**	**3.9b**	**86**	**0-92**
NEIC	VI	28 21 12 51.5–1.9	33.67N	141.18E	38–15	4.3b		**¶13682216**
NIED	VI	28 21 13 00	35.20N	139.90E	125	4.1W		
ISCJB	VI	28 21 13 11.8–.28	35.15N–.04	139.95E–.04	121–1	4.0b		
JMA	VI	28 21 13 12.4–.20	35.20N	139.95E	117–2	3.9		
IDC	VI	28 21 13 13.1–.53	35.11N	139.88E	117–5	3.8,3.7		

ISC Event type se.
NEIC Event type fe. Error ellipse: s-maj=19.5km s-min=15.9km az=150.0. Recorded [2 JMA] in Chiba, Kanagawa and Tokyo; [1 JMA] in Shizuoka, Tochigi and Yamanashi. Also recorded [1 JMA] on O-shima.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ80.00000°,λ-102.00000°. NP2:ϕ_s47.00000°,δ16.00000°,λ-41.00000°. $M_0$1.41000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.8km az=135.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s203.00000°,δ72.00000°,λ-73.00000°. NP2: ϕ_s339.00000°,δ25.00000°,λ-132.00000°. Principal axes: T Plg25.0000°,Azm280.0000° ; N Plg16.0000°,Azm18.0000°; P Plg60.0000°,Azm138.0000°
IDC Error ellipse: s-maj=12.2km s-min=5.7km az=72.0.

(135) Near coast of central Chile

ISC	**VI**	**29 00 08 34.9–.41**	**38.16S–.03**	**73.68W–.06**	**10**	**4.7b,4.3s**	**98**	**1-177**
GUC	VI	29 00 08 32.3–.61	38.12S	74.10W	17–4	4.9L,4.3s		**¶13307289**
ISCJB	VI	29 00 08 33.9–.35	38.15S–.03	73.65W–.07	10	4.5b,4.2s		
IDC	VI	29 00 08 33.5–.64	38.09S	73.45W	0	4.2s,4.2		
NEIC	VI	29 00 08 38.9–.36	38.14S	73.38W	35	4.9L,4.8b		
BJI	VI	29 00 08 40.5	37.24S	71.79W	35	4.9s,4.8b		

ISC Event type fe.
GUC Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=3.8km az=178.4.
IDC Error ellipse: s-maj=21.2km s-min=13.0km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=6.3km az=85.0. Felt [II] at Los Angeles and Puerto Saavedra. Also felt at Angol, Concepcion, Talcahuano and Temuco.

(143) Off coast of southern Chile

ISC	**VI**	**29 03 07 32.2–.29**	**45.53S–.05**	**76.69W–.07**	**17**	**5.0b,5.0s**	**202**	**7-177**
IDC	VI	29 03 07 28.9–.49	45.60S	76.65W	0	4.9,4.9s		**¶13307294**
NEIC	VI	29 03 07 30.9–.26	45.63S	76.50W	10	5.2b,4.9s		
ISCJB	VI	29 03 07 30.8–.28	45.64S–.05	76.5W–.10	17	5.0b,5.0s		
BJI	VI	29 03 07 31.3	45.60S	76.60W	10	5.3s,5.1b		
GCMT	VI	29 03 07 31.6–.20	45.64S	77.15W	17–0	5.3W,5.1b		
MOS	VI	29 03 07 33.6–1.4	45.54S	76.55W	33	5.4b,5.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.4km s-min=11.9km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=7.2km az=80.0. Felt at Coihaique.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=6.6km az=167.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s62,c93; s88,c161; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s79.00000°,δ67.00000°,λ-171.00000°. NP2:ϕ_s346.00000° ,δ81.00000°,λ-23.00000°. Principal axes: T 1.2600,Plg10.0000°,Azm34.0000° ; N -0.2000,Plg65.0000°,Azm147.0000°; P -1.0700,Plg22.0000°,Azm300.0000° $M_0$1.20000×10^{17}
MOS Error ellipse: s-maj=18.9km s-min=10.5km az=87.2.

(135) Near coast of central Chile

ISC	**VI**	**29 04 08 39.2–.91**	**31.67S–.04**	**71.65W–.06**	**33–4**	**4.0b**	**68**	**0-152**
ISCJB	VI	29 04 08 38.6–.68	31.67S–.03	71.71W–.08	39–7	3.9b		**¶13682234**
GUC	VI	29 04 08 39.1–.84	31.75S	71.63W	32–2	4.1L		
NEIC	VI	29 04 08 39.1	31.75S	71.63W	32	4.1L		
IDC	VI	29 04 08 44.7–4.2	31.58S	71.37W	76–31	3.8,3.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=5.1km az=177.6.
GUC Error ellipse: s-maj=2.5km s-min=5.8km az=-1.0.
NEIC Event type fe. Felt [III] at La Ligua and [II] at Illapel and Los Vilos. After GUC.
IDC Error ellipse: s-maj=45.3km s-min=29.9km az=23.0.

(613) Hawaiian Islands

NEIC VI 29 06 39 14.0 20.84N 156.28W 30 3.5L
¶14931738

NEIC Event type fe. Felt [III] at Haiku, Hana, Kula, Makawao, Paia and Wailuku; [II] at Kahului, Kihei and Lahaina. Felt [II] at Kaunakakai, Moloka'i. Also felt at Maunaloa. Felt [II] at Waimea, Hawai'i. Also felt at Honoka'a and Kapaau. Felt at Lana'i City, Lana'i and at Honolulu, O'ahu. After HVO.

(210) South of Mariana Islands

ISC	**VI**	**29 07 58 22.4–.40**	**12.46N–.05**	**143.79E–.05**	**47–2**	**4.9b,4.0s**	**337**	**2-156**
BJI	VI	29 07 58 18.0	12.20N	143.94E	38	5.0b,5.0b		**¶13383595**
MOS	VI	29 07 58 18.9–1.1	12.39N	143.69E	33	5.3b,5.0b		
ISCJB	VI	29 07 58 20.6–.81	12.40N–.04	143.73E–.03	43–7	4.9b,4.0s		
IDC	VI	29 07 58 21.2–1.6	12.41N	143.80E	38–13	4.7,4.6		
NEIC	VI	29 07 58 22.1–.91	12.40N	143.74E	44–8	4.9b,4.6		
TEH	VI	29 07 58 22.0	12.42N	143.73E	42	4.9L,4.6		
DJA	VI	29 07 58 24.6–.70	13N–15	144E–11	162–11	5.7b,5.3		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Finegayan.

(249) Luzon

ISC	**VI**	**29 13 11 30.3–.43**	**15.59N–.03**	**121.77E–.06**	**26**	**4.4b**	**77**	**0-91**
ISCJB	VI	29 13 11 27.8–.40	15.50N–.06	121.82E–.07	26	4.3b,3.8s		**¶13307330**
NEIC	VI	29 13 11 31.3–.32	15.56N	121.70E	39	4.5b,3.8s		
IDC	VI	29 13 11 31.4–.64	15.57N	121.67E	38–5	4.1,4.0b		
MAN	VI	29 13 11 33	15.64N	121.64E	30	5.4b,4.6s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=6.2km az=144.0.
NEIC Event type fe. Error ellipse: s-maj=11.7km s-min=6.9km az=75.0. Felt [IV PIVS] at Baler, Dingalan and Gabaldon; [III PIVS] at Baguio, La Trinidad and Palayan City; [I PIVS] at Quezon City.
IDC Error ellipse: s-maj=18.2km s-min=11.9km az=76.0.
MAN Event type fe. INTENSITY IV - BALER & DINGALAN AURORA; GABALDON NUEVA ECIJA; INTENSITY III -PALAYAN NUEVA ECIJA.

(216) Mariana Islands

ISC	**VI**	**29 13 54 57.2–.39**	**17.43N–.04**	**146.28E–.06**	**124–2**	**4.6b**	**247**	**4-166**
DJA	VI	29 13 54 48.8–9.4	18N–68	147E–37	82–43	5.7,5.6		**¶13307332**
BJI	VI	29 13 54 54.0	17.40N	146.40E	106	4.8b,4.6b		
NEIC	VI	29 13 54 55.7–.15	17.45N	146.12E	109	4.7b,4.6b		
ISCJB	VI	29 13 54 57.1–1.1	17.45N–.04	146.15E–.05	131–10	4.5b,4.6b		
IDC	VI	29 13 54 58.0–.58	17.44N	146.15E	131–5	4.3,4.2		
MOS	VI	29 13 54 57.2–1.1	17.44N	146.09E	137	4.6b,4.2		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.0km az=103.0. Felt at Capital Hill, Saipan.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.9km az=178.1.
IDC Error ellipse: s-maj=12.6km s-min=8.0km az=89.0.
MOS Error ellipse: s-maj=11.7km s-min=6.2km az=91.1.

(235) Kyushu

ISC	**VI**	**29 16 21 17.7–.00**	**32.97N–.03**	**129.90E–.04**	**8–6**	**3.7b**	**27**	**0-85**
NIED	VI	29 16 21 00	33.00N	129.90E	8	4.1W		**¶13307334**
ISCJB	VI	29 16 21 16.9–.56	32.98N–.03	129.88E–.05	14–3	3.6b		
IDC	VI	29 16 21 16.3–.78	32.99N	129.87E	0	3.8,3.7		
JMA	VI	29 16 21 17.4	32.98N	129.89E	13–1	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s296.00000°,δ66.00000°,λ-42.00000°. NP2:ϕ_s46.00000°,δ52.00000°,λ-150.00000°. $M_0$1.47000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.6km az=157.9.
IDC Error ellipse: s-maj=14.9km s-min=9.0km az=4.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s48.00000°,δ71.00000°,λ-142.00000°. NP2:ϕ_s304.00000°,δ55.00000°,λ-24.00000°. Principal axes: T Plg10.0000°,Azm173.0000°; N Plg48.0000°,Azm72.0000°; P Plg40.0000° ,Azm271.0000°

(250) Mindoro

ISC	**VI**	**29 16 29 12.7–.42**	**13.29N–.04**	**120.70E–.04**	**80–3**	**4.3b**	**147**	**1-122**
ISCJB	VI	29 16 29 12.0–.31	13.32N–.03	120.74E–.04	85–4	4.3b		**¶13383598**
MAN	VI	29 16 29 11	13.34N	120.58E	59	5.2b,4.4s		
BJI	VI	29 16 29 11.1	13.19N	120.82E	90	4.8b,4.6b		
NEIC	VI	29 16 29 12.1–.37	13.33N	120.85E	77	4.5b,4.6b		
IDC	VI	29 16 29 15.1–4.0	13.41N	120.88E	107–37	3.9,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.0km az=165.4.
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=6.8km az=81.0. Felt at Calapan.
IDC Error ellipse: s-maj=18.8km s-min=10.6km az=71.0.

(307) Sichuan

ISC	**VI**	**29 18 03 52.9–.34**	**31.40N–.02**	**104.05E–.03**	**23–2**	**5.3b,5.0s**	**943**	**1-170**
BGS	VI	29 18 03 44.3–2.0	30.84N	105.12E	10	5.3s,4.9b		**¶13307342**
ISCJB	VI	29 18 03 48.5–.61	31.46N–.02	103.99E–.02	5–3	5.2b,5.0s		
NEIC	VI	29 18 03 50.8–.11	31.43N	104.01E	10	5.3b,5.2W		
BJI	VI	29 18 03 51.5	31.46N	103.96E	24	5.5s,5.4L		
IDC	VI	29 18 03 52.0–1.7	31.39N	104.03E	18–10	5.0,4.9		
MOS	VI	29 18 03 52.4–.83	31.41N	104.07E	33	5.4b,4.9s		
DJA	VI	29 18 03 54.3–2.0	31N–6.0	104E–5.0	16–14	5.8b,5.5b		
GCMT	VI	29 18 03 54.8–.10	31.31N	104.15E	12	5.3W,5.5b		
SZGRF	VI	29 18 03 56.7	31.92N	103.82E	28	5.4b,4.9s		

ISC Event type fe.
BGS Error ellipse: s-maj=896.2km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.4km az=20.6.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=210.0. Felt [V] at Mianyang and [III] at Chengdu, Deyang and Hanzhong. Also felt at Chongqing, Nanchong, Ya'an and Yancheng. Moment Tensor Solution. s52 Moment tensor: Scale 10^{16}Nm; M_{rr}2.62 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-1.27 $M_{r\theta}$5.59 $M_{\theta\phi}$-3.80 $M_{\phi r}$2.32 Best double couple: NP1:ϕ_s69.00000°,δ77.00000° ,λ111.00000°. NP2:ϕ_s190.00000°,δ25.00000°,λ33.00000°. Principal axes: T 6.5800,Plg53.0000°,Azm4.0000°; N 1.5800,Plg20.0000°,Azm243.0000° ; P -8.1600,Plg28.0000°,Azm141.0000° $M_0$7.50000×10^{16}
IDC Error ellipse: s-maj=9.5km s-min=7.5km az=21.0.
MOS Error ellipse: s-maj=5.8km s-min=3.3km az=121.1.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s66,c109; s84,c167; Moment tensor: Scale 10^{16}Nm; M_{rr}6.49±.13 $M_{\theta\theta}$-4.53±.12; $M_{\phi\phi}$-1.96±.12; $M_{r\theta}$6.39±.33; $M_{\theta\phi}$-4.54±.10; $M_{\phi r}$1.17±.37; Best double couple: NP1:ϕ_s212.00000°,δ29.00000°,λ54.00000°. NP2:ϕ_s71.00000°,δ67.00000°,λ108.00000°. Principal axes: T 9.5000,Plg64.0000° ,Azm11.0000°; N 0.6000,Plg16.0000°,Azm244.0000°; P -10.1000,Plg20.0000° ,Azm148.0000° $M_0$9.80000×10^{16}
SZGRF Sichuan, China.

(122) Near coast of northern Chile

ISC	**VI**	**29 19 47 32.1–.80**	**27.39S–.04**	**70.68W–.08**	**51–6**		**32**	**0-151**
ISCJB	VI	29 19 47 30.6–.66	27.36S–.04	70.7W–.10	63–6	3.8b		**¶13682269**
IDC	VI	29 19 47 31.1–1.3	27.39S	70.92W	53–6	3.7,3.7		
GUC	VI	29 19 47 32.1–.55	27.39S	70.65W	50–8	4.4L,3.7		
NEIC	VI	29 19 47 32.1	27.39S	70.65W	50	4.4,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=6.3km az=0.8.
IDC Error ellipse: s-maj=37.9km s-min=12.8km az=83.0.
GUC Error ellipse: s-maj=4.1km s-min=5.4km az=-1.0.
NEIC Event type fe. Felt [II] at Copiapo. After GUC.

(235) Kyushu

ISC	**VI**	**29 21 18 14.3–.63**	**30.91N–.05**	**130.38E–.06**	**134–5**	**4.1b**	**63**	**0-76**
NIED	VI	29 21 18 00	30.90N	130.40E	125	4.0W		**¶13682277**
ISCJB	VI	29 21 18 13.1–.33	30.90N–.04	130.40E–.06	140–2	4.0b		
NEIC	VI	29 21 18 15.0–.56	30.93N	130.35E	142–6	4.0b		
JMA	VI	29 21 18 15.5–.10	30.92N	130.38E	125–1	3.5		
IDC	VI	29 21 18 15.1–1.5	30.99N	130.36E	141–12	3.8b,3.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ77.00000°,λ108.00000°. NP2:ϕ_s156.00000°,δ22.00000°,λ37.00000°. $M_0$1.13000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.0km az=27.1.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.9km az=120.0.
JMA Event type fe.
IDC Error ellipse: s-maj=21.5km s-min=14.1km az=77.0.

(713) Central Kazakhstan

ISC	**VI**	**29 21 22 03.0–.37**	**43.30N–.04**	**66.34E–.03**	**19–1**	**4.7b,3.7s**	**506**	**3-148**
ISCJB	VI	29 21 21 59.8–.88	43.35N–.03	66.39E–.02	6–5	4.6b,3.8s		**¶13307349**
IDC	VI	29 21 22 00.0–.44	43.12N	66.32E	0	4.6,4.5L		
NEIC	VI	29 21 22 00.5–2.0	43.26N	66.34E	1–13	4.8b,4.5L		
BJI	VI	29 21 22 01.7	43.51N	66.47E	10	4.7b,4.7b		
MOS	VI	29 21 22 03.9–.92	43.40N	66.40E	33	4.8b,4.7b		
NNC	VI	29 21 22 06.4–.86	43.50N	66.49E	34–10	5.1b,4.6		
SZGRF	VI	29 21 22 19.6	43.22N	63.78E	20	4.7b,4.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.3km az=13.8.
IDC Error ellipse: s-maj=9.7km s-min=6.5km az=176.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.7km az=191.0. Felt at Dzhusaly and Shieli. Felt [II] at Tashkent, Uzbekistan.
MOS Error ellipse: s-maj=6.4km s-min=3.8km az=36.2.
NNC Error ellipse: s-maj=7.0km s-min=2.6km az=35.0.
SZGRF Western Kazakhstan.

(45) California-Baja California border region

ECX VI 29 21 40 01.5–.66 32.05N 115.47W 5 4.2L,4.1
NEIC VI 29 21 40 01.5 32.06N 115.47W 5 4.2L,4.2L ¶13307350
ECX Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
NEIC Event type fe. Felt [II] at Mexicali. Felt [III] at El Cajon, California. Also felt at Calexico, El Centro and San Diego. Felt at Yuma, Arizona. After ECX.

(381) Central Italy

ISC VI 30 00 38 11.5–.74 42.56N–.01 13.17E–.01 10–5 3.8b 519 0-62
SZGRF VI 30 00 38 08.6 42.11N 13.44E 10 3.7b ¶13307356
IDC VI 30 00 38 10.9–1.4 42.72N 12.85E 0 3.6,3.5
CSEM VI 30 00 38 10.7–.08 42.56N 13.16E 2 4.2L,3.5
ROM VI 30 00 38 10.4–.07 42.57N 13.19E 8–0 3.5L,3.5
NEIC VI 30 00 38 10.0 42.57N 13.20E 10 3.4L,3.5
ISCJB VI 30 00 38 10.2–.16 42.571N–.01 13.17E–.01 6–1 3.6b,3.3s
LDG VI 30 00 38 10.3–.10 42.54N 13.14E 2 3.3L,3.3s
PRU VI 30 00 38 12.6 42.56N 13.44E 10 3.3L,3.3s
STR VI 30 00 38 20.6–.67 43.15N 12.76E 10 3.3L,3.3s
ISC Event type fe.
SZGRF Central Italy.
IDC Error ellipse: s-maj=23.7km s-min=13.5km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=51.0.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=54.0.
NEIC Event type fe. Felt [III] at San Mauro and [II] at Ascoli Piceno, Avezzano, Montorio al Vomano, Spoleto, Teramo and Terni. Also felt at L'Aquila and Poggio Mirteto. After ROM.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=144.7.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=42.0.
STR Event type ke.

(257) Negros

MAN VI 30 01 04 19 9.64N 122.93E 52 4.3b,3.1L
¶14718406
MAN Event type fe. INTENSITY II - TANJAY NEGROS ORIENTAL; BAIS CITY NEGROS ORIENTAL.

(2) Southern Alaska

ISC VI 30 02 14 23.1–.64 60.49N–.02 152.64W–.03 10 77 0-55
ISCJB VI 30 02 14 22.1–.24 60.51N–.02 152.64W–.05 10 3.4b ¶13682292
NEIC VI 30 02 14 22.0 60.51N 152.67W 7 3.1L
IDC VI 30 02 14 24.3–1.3 60.40N 152.95W 0 3.7,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.3km az=33.3.
NEIC Event type fe. Felt at Homer. After AEIC.
IDC Error ellipse: s-maj=30.2km s-min=16.7km az=103.0.

(228) Near east coast of eastern Honshu

ISC VI 30 04 21 50.2–.95 36.98N–.04 141.14E–.07 87–6 3.4b 38 0-57
NIED VI 30 04 21 00 37.00N 141.00E 80 3.5W ¶13682298
ISCJB VI 30 04 21 49.4–.65 36.98N–.04 141.14E–.07 94–4 3.3b
IDC VI 30 04 21 49.9–2.0 36.97N 141.14E 84–8 3.4,3.3
JMA VI 30 04 21 51.4–.10 37.00N 141.01E 87–1 3.5,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s138.00000°,δ47.00000°,λ-85.00000°. NP2:ϕ_s310.00000°,δ43.00000°,λ-95.00000°. $M_0$2.36000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.8km az=15.8.
IDC Error ellipse: s-maj=39.5km s-min=12.2km az=85.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s310.00000°,δ49.00000°,λ-91.00000°. NP2: ϕ_s132.00000°,δ41.00000°,λ-89.00000°. Principal axes: T Plg4.0000°,Azm41.0000° ; N Plg1.0000°,Azm311.0000°; P Plg86.0000°,Azm207.0000°

(307) Sichuan

ISC VI 30 05 40 26.0–.35 31.44N–.03 104.11E–.04 14 4.6b,3.5s 175 1-114
IDC VI 30 05 40 23.5–.56 31.45N 104.10E 0 4.5,4.4 ¶13367734
ISCJB VI 30 05 40 24.0–.20 31.45N–.02 104.14E–.04 14 4.5b,3.6s
BJI VI 30 05 40 24.8 31.48N 103.98E 10 4.6b,4.6b
NEIC VI 30 05 40 25.2–.21 31.46N 104.11E 10 4.9b,4.6b
MOS VI 30 05 40 26.7–.72 31.43N 104.11E 33 4.8b,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=18.2km s-min=12.1km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.1km az=176.1.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.8km az=82.0. Felt at Chengdu and Deyang.
MOS Error ellipse: s-maj=10.6km s-min=5.7km az=107.1.

(307) Sichuan

ISC VI 30 07 22 21.7–.40 31.43N–.03 104.18E–.03 16–2 4.9b,4.2s 428 1-148
IDC VI 30 07 22 19.2–.40 31.44N 104.12E 0 4.7,4.7 ¶13307374
ISCJB VI 30 07 22 20.9–.78 31.44N–.02 104.06E–.02 22–5 4.8b,4.2s
BJI VI 30 07 22 20.8 31.46N 103.98E 24 5.1L,5.0s
NEIC VI 30 07 22 21.0–.16 31.50N 104.09E 10 5.0b,5.0s
MOS VI 30 07 22 22.4–.80 31.45N 104.14E 33 5.1b,4.1s
GCMT VI 30 07 22 23.9–.30 31.37N 104.20E 20–0 4.9W,4.1s
DJA VI 30 07 22 27.9–1.2 31N–5.0 104E–11 66–15 4.9b,4.7
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Mianyang and [II] at Chengdu. Also felt at Deyang.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s23,c27; s62,c102; Moment tensor: Scale 10^{16}Nm; M_{rr}3.07±.18 $M_{\theta\theta}$-0.78±.10; $M_{\phi\phi}$-2.29±.12; $M_{r\theta}$0.44±.19; $M_{\theta\phi}$-1.30±.06; $M_{\phi r}$0.27±.18; Best double couple: NP1:ϕ_s206.00000°,δ41.00000°,λ83.00000°. NP2:ϕ_s34.00000°,δ49.00000°,λ96.00000°. Principal axes: T 3.1200,Plg84.0000° ,Azm346.0000°; N -0.0500,Plg4.0000°,Azm211.0000°; P -3.0700,Plg4.0000°,Azm120.0000° $M_0$3.10000×10^{16}

(115) Near coast of Peru

ISC VI 30 10 41 58.5–.43 15.29S–.06 74.69W–.08 76–3 4.7b 137 3-169
ISCJB VI 30 10 41 57.9–.00 15.24S–.05 74.72W–.07 84–9 4.6b ¶13316767
NEIC VI 30 10 41 58.7–.23 15.19S 74.63W 73 4.8b
IDC VI 30 10 41 58.6–.59 15.20S 74.67W 75–4 4.2,4.2b
BJI VI 30 10 42 01.7 15.30S 74.60W 108 5.1b,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=6.0km az=147.7.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=4.3km az=59.0. Felt [II] at San Juan de Marcona. Also felt at Acari and Coracora.
IDC Error ellipse: s-maj=21.5km s-min=10.5km az=60.0.

(127) Chile-Argentina border region

ISC VI 30 14 17 15.9–.44 33.43S–.03 70.71W–.04 82–3 4.3b 111 0-156
ISCJB VI 30 14 17 15.1–.33 33.44S–.03 70.71W–.06 89–2 4.0b ¶13682317
GUC VI 30 14 17 15.7–.81 33.44S 70.83W 82–3 4.7L
NEIC VI 30 14 17 15.7 33.44S 70.83W 82 4.3b
IDC VI 30 14 17 16.1–.55 33.41S 70.54W 79–4 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.2km az=169.2.
GUC Error ellipse: s-maj=1.8km s-min=5.8km az=-1.0.
NEIC Event type fe. Felt [IV] at Casablanca and Santiago; [III] at Rancagua and San Fernando; [II] at Curico, Los Andes, Quillota, San Antonio, Talca and Valparaiso. After GUC.
IDC Error ellipse: s-maj=22.9km s-min=14.0km az=92.0.

(72) Honduras

ISC VI 30 16 22 33.3–.32 15.57N–.04 86.48W–.05 35 4.9b,4.2s 308 2-149
MOS VI 30 16 22 27.9–.68 15.46N 86.29W 10 5.1b,4.0s ¶13383611
IDC VI 30 16 22 28.1–.57 15.51N 86.25W 0 5.5L,4.7
CASC VI 30 16 22 29.8–2.7 15.71N 86.39W 36–113 5.0b,4.6L
ISCJB VI 30 16 22 31.5–.17 15.51N–.02 86.36W–.03 33 4.8b,4.2s
NEIC VI 30 16 22 33.1–.23 15.44N 86.40W 35 5.0b,4.2s
BJI VI 30 16 22 33.8 15.50N 86.40W 35 5.3b,5.0s
GCMT VI 30 16 22 33.1–.20 15.72N 86.32W 12 5.0W,5.0s
ISC Event type fe.
MOS Error ellipse: s-maj=9.9km s-min=5.9km az=102.7.
IDC Error ellipse: s-maj=21.4km s-min=12.5km az=61.0.
CASC Error ellipse: s-maj=58.4km s-min=24.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.9km az=12.9.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.9km az=31.0. Felt [III] at La Ceiba, Roatan and Sandy Bay; [II] at San Pedro Sula and Tegucigalpa. Also felt at Arizona, French Harbor, Lomitas and Utila. Felt at Belize City, Belize.
GCMT Event type se. Data Used: CN IC IU II G. Moment Tensor Solution. s40,c51; s73,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.48±.11 $M_{\theta\theta}$1.11±.09; $M_{\phi\phi}$2.37±.12; $M_{r\theta}$0.88±.32; $M_{\theta\phi}$2.05±.10; $M_{\phi r}$0.11±.34; Best double couple: NP1:ϕ_s25.00000°,δ41.00000°,λ-107.00000°. NP2:ϕ_s227.00000°,δ51.00000°,λ-76.00000°. Principal axes: T 3.9400,Plg5.0000° ,Azm307.0000°; N -0.2800,Plg11.0000°,Azm38.0000°; P -3.6600,Plg78.0000° ,Azm194.0000° $M_0$3.80000×10^{16}

(228) Near east coast of eastern Honshu

ISC VI 30 17 22 48.3–1.0 36.53N–.05 140.50E–.06 101–7 3.6b 30 0-60
ISCJB VI 30 17 22 47.4–.66 36.53N–.04 140.51E–.06 106–4 3.6b ¶15443959
IDC VI 30 17 22 48.3–1.1 35.10N 137.08E 0 3.8,3.5
JMA VI 30 17 22 49.3–.10 36.53N 140.43E 95–1 3.6,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=6.1km az=32.0.
IDC Error ellipse: s-maj=22.3km s-min=12.8km az=116.0.
JMA Event type fe.

(36) Northern California

ISC VI 30 17 27 26.6–1.0 38.76N–.04 122.96W–.06 10 32 0-19
IDC VI 30 17 27 24.3–2.4 38.56N 123.24W 0 3.7,3.5 ¶13316779
ISCJB VI 30 17 27 26.8–.50 38.77N–.03 122.77W–.07 10 3.7,3.5
NEIC VI 30 17 27 27.0 38.81N 122.79W 4 3.8W,3.5
ISC Event type fe.
IDC Error ellipse: s-maj=28.1km s-min=11.4km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.3km az=159.6.
NEIC Event type fe. Felt [III] at Angwin, Hidden Valley Lake and Middletown; [II] at Calistoga, Geyserville, Healdsburg, Napa, Petaluma, Saint Helena, Santa Rosa and Sonoma. Also felt at Kelseyville, Lower Lake, Mountain View, Pope Valley, Sacramento, San Francisco, San Ramon, Windsor and Yountville. After NCEDC. Moment Tensor Solution. $M_0$7.20000×10^{14}

(227) Eastern Honshu

ISC VI 30 18 32 06.2–.98 39.06N–.03 140.98E–.04 15–8 3.2b 18 0-63
IDC VI 30 18 32 03.5–1.6 39.14N 141.24E 0 3.4,3.4b ¶15443983
ISCJB VI 30 18 32 06.3–.51 39.03N–.03 140.93E–.05 22–6 3.3b,3.4b
JMA VI 30 18 32 06.7 39.03N 140.90E 8–1 3.2,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=35.6km s-min=23.9km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.6km az=166.2.
JMA Event type fe.

(676) Northern Alaska

ISC VI 30 18 52 10.7–.61 66.02N–.03 151.70W–.03 14–3 3.9b 103 1-71
BJI VI 30 18 52 08.2 66.00N 151.80W 15 4.8b,4.7b ¶13316782
ISCJB VI 30 18 52 10.0–.86 65.98N–.03 151.84W–.07 20–8 4.2s,4.0b
NEIC VI 30 18 52 10.2 66.00N 151.81W 15 4.0L,3.8W
IDC VI 30 18 52 11.6–.85 66.21N 151.19W 0 3.9,3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.4km az=26.5.
NEIC Event type fe. Felt at Fairbanks. After AEIC. Moment Tensor Solution. $M_0$6.50000×10^{14}
IDC Error ellipse: s-maj=23.3km s-min=10.1km az=48.0.

PROBABLE EXPLOSIONS

(460) Wyoming

ISC	**I**	**02 19 00 47.2–.61**	**43.75N–.02**	**105.27W–.02**	**0**		**142**	**0-90**
IDC	I	02 19 00 46.2–1.9	43.60N	105.37W	0	3.8b,3.7		¶12079842
ISCJB	I	02 19 00 46.8–.20	43.76N–.01	105.28W–.02	0	3.8b,3.7		
NEIC	I	02 19 00 47.6–.46	43.74N	105.24W	0	3.0L,3.7		
ISC	Event type fm.							
IDC	Error ellipse: s-maj=52.2km s-min=8.0km az=151.0.							
ISCJB	Event type fm. Error ellipse: s-maj=2.4km s-min=1.9km az=166.4.							
NEIC	Event type fm. Error ellipse: s-maj=7.0km s-min=6.0km az=141.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.							

(366) Turkey

ISC	**I**	**02 22 09 35.1–.77**	**38.43N–.03**	**39.09E–.02**	**0**		**44**	**0-2**
DDA	I	02 22 09 34.9	38.41N	39.09E	17	2.9		¶12854381
ISK	I	02 22 09 35.2	38.44N	39.06E	9	2.8		
CSEM	I	02 22 09 35.5–.26	38.44N	39.07E	1	2.9		
ISCJB	I	02 22 09 35.3–.39	38.41N–.03	39.08E–.03	0	2.9		
ISC	Event type kh.							
DDA	Event type kh.							
CSEM	Event type km. Mining explosion.							
ISCJB	Event type km.							

(536) Sweden

ISC	**I**	**03 00 19 43.3–.78**	**67.85N–.02**	**20.25E–.02**	**0**		**53**	**0-4**
UPP	I	03 00 19 41.7	67.86N	20.20E	0	1.9L		¶12079862
CSEM	I	03 00 19 42.6–.34	67.79N	20.45E	2	1.3L		
ISCJB	I	03 00 19 42.1–.55	67.80N–.03	20.50E–.09	0	1.3L		
HEL	I	03 00 19 43.0–.30	67.84N	20.24E	0	1.9L,1.7L		
BER	I	03 00 19 47.6–2.8	67.90N	20.37E	0	1.7L,1.7L		
ISC	Event type sh.							
UPP	Event type km. Mining explosion.							
CSEM	Event type km. Error ellipse: s-maj=8.1km s-min=7.2km az=42.0. Mining explosion.							
ISCJB	Event type km. Error ellipse: s-maj=5.8km s-min=4.2km az=139.0.							
HEL	Event type kh. Error ellipse: s-maj=1.8km s-min=2.4km az=-1.0. Explosion.							
BER	Event type sh. Error ellipse: s-maj=18.7km s-min=36.2km az=-1.0. Suspected explosion.							

(536) Sweden

ISC	**I**	**04 00 28 09.4–.87**	**67.82N–.03**	**20.24E–.03**	**0**		**39**	**0-3**
ISCJB	I	04 00 28 08.8–.66	67.80N–.04	20.3E–.10	0			¶14339490
UPP	I	04 00 28 09.5	67.83N	20.20E	1	0.7L		
CSEM	I	04 00 28 09.2–.19	67.82N	20.21E	0–2	0.7L		
HEL	I	04 00 28 10.0–.00	67.83N	20.19E	0	1.3L,0.7L		
ISC	Event type km.							
ISCJB	Event type km. Error ellipse: s-maj=6.2km s-min=4.9km az=28.5.							
UPP	Event type km. Mining explosion.							
CSEM	Event type km. Error ellipse: s-maj=5.3km s-min=3.7km az=135.0. Mining explosion.							
HEL	Event type kh. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Explosion.							

(724) Baltic States - Belarus - Northwestern Russia

HEL	**I**	**04 12 53 29.1–.10**	**59.31N**	**27.13E**	**0**			
CSEM	I	04 12 53 28.3–.44	59.31N	27.18E	2			¶14339498
HEL	Event type kh. Error ellipse: s-maj=0.6km s-min=1.1km az=-1.0. Explosion.							
CSEM	Event type km. Error ellipse: s-maj=12.9km s-min=5.4km az=100.0. Mining explosion.							

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**04 12 48 56.5–.54**	**0.44S–.07**	**133.00E–.09**	**32**	**4.6b**	**78**	**3-153**
IDC	I	04 12 48 51.3–.78	0.44S	133.10E	0	4.6,4.5L		¶11528249
ISCJB	I	04 12 48 54.4–.38	0.45S–.04	133.02E–.06	32	4.5b,3.9s		
DJA	I	04 12 48 56	0.56S	132.93E	10	5.1b,3.9s		
NEIC	I	04 12 48 56.8–.25	0.51S	132.98E	35	4.6b,3.9s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=41.1km s-min=12.9km az=75.0.							
ISCJB	Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=159.1.							
NEIC	Event type se. Error ellipse: s-maj=9.4km s-min=4.3km az=67.0.							

(548) Poland

ISC	**I**	**06 06 52 56.6–2.4**	**51.5N–.10**	**16.12E–.06**	**0**		**24**	**1-3**
CSEM	I	06 06 52 54.0–1.2	51.56N	16.21E	1			¶11534223
PRU	I	06 06 52 57.6	51.44N	16.13E	0			
WAR	I	06 06 52 58.2	51.44N	16.20E				
ISC	Event type ki.							
CSEM	Event type ki. Error ellipse: s-maj=18.6km s-min=9.5km az=4.0.							
PRU	Event type ki.							

(548) Poland

ISC	**I**	**06 08 32 19.8–1.3**	**51.52N–.06**	**16.25E–.03**	**0**		**57**	**1-4**
ISCJB	I	06 08 32 19.1–.92	51.43N–.04	16.24E–.04	0			¶11534224
CSEM	I	06 08 32 20.7–.60	51.45N	16.20E	1	3.2L		
PRU	I	06 08 32 21.9	51.41N	16.20E	0	3.2L		
WAR	I	06 08 32 22.1	51.44N	16.19E		3.2L		
ISC	Event type ki.							
ISCJB	Event type ki. Error ellipse: s-maj=6.6km s-min=3.1km az=19.9.							
CSEM	Event type ki. Error ellipse: s-maj=9.7km s-min=5.2km az=11.0.							
PRU	Event type ki.							

(441) Ontario

ISC	**I**	**06 09 40 10.8–.60**	**48.75N–.03**	**81.23W–.03**	**0**	**3.1b**	**104**	**1-27**
ISCJB	I	06 09 40 10.0–.26	48.73N–.02	81.22W–.03	0	3.2b		¶12080489
IDC	I	06 09 40 12.2–.63	48.71N	81.30W	0	3.8,3.6		
OTT	I	06 09 40 13.7–.03	48.74N	81.32W	2	3.8,3.6		
ISC	Event type kr.							
ISCJB	Event type kr. Error ellipse: s-maj=3.1km s-min=2.2km az=138.0.							
IDC	Error ellipse: s-maj=8.8km s-min=6.7km az=72.0.							
OTT	Event type kr. Mining event, Timmins, On 29km northwest from Porcupine, On Mining induced.							

(544) Switzerland

LDG	**I**	**06 14 52 25.8–.07**	**44.67N**	**6.81E**	**4**	**1.7L,1.5**		
ZUR	I	06 14 51 38.6	47.54N	8.18E	1–1	1.8L,1.5		¶11598093
GEN	I	06 14 52 25.6	44.68N	6.81E	5	0.5L,1.5		
CSEM	I	06 14 52 25.2–.22	44.67N	6.82E	5	1.3L,1.5		
LDG	Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=62.0.							
ZUR	Event type sm. Suspected Mining explosion.							
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=37.0.							

(548) Poland

PRU	**I**	**06 14 54 04.6**	**50.23N**	**18.77E**	**0**			
CSEM	I	06 14 54 03.9–.43	50.26N	18.77E	2			¶11534228
WAR	I	06 14 54 03.7	50.23N	18.91E				
PRU	Event type ki.							
CSEM	Event type ki. Error ellipse: s-maj=11.4km s-min=4.3km az=3.0.							

(460) Wyoming

ISC	**I**	**06 18 37 48.6–.66**	**44.41N–.02**	**105.47W–.02**	**0**		**101**	**0-19**
IDC	I	06 18 37 47.2–1.4	44.32N	105.56W	0	3.3,3.1		¶12080541
ISCJB	I	06 18 37 48.2–.22	44.41N–.01	105.47W–.02	0	3.3,3.1		
NEIC	I	06 18 37 49.2–1.6	44.40N	105.45W	0	3.0L,3.1		
ISC	Event type fm.							
IDC	Error ellipse: s-maj=42.0km s-min=8.4km az=144.0.							
ISCJB	Event type fm. Error ellipse: s-maj=2.4km s-min=1.8km az=4.7.							
NEIC	Event type fm. Error ellipse: s-maj=24.4km s-min=20.6km az=172.0. 15 km [10 miles] NNE of Gillette. Suspected Mining explosion.							

(547) Czech and Slovak Republics

VIE	**I**	**07 12 42 08.7–.23**	**49.04N**	**16.46E**	**0**	**1.2L,0.3b**		
CSEM	I	07 12 41 57.4–2.9	49.53N	15.32E	1	1.2L,0.3b		¶14368777
VIE	Event type sm. Error ellipse: s-maj=2.0km s-min=1.4km az=85.0. 25 km SW of Brno . Suspected Mining explosion.							
CSEM	Event type sm. Error ellipse: s-maj=65.3km s-min=26.5km az=156.0. Suspected Mining explosion.							

(460) Wyoming

ISC	**I**	**07 20 01 36.8–.62**	**43.54N–.02**	**105.30W–.02**	**0**		**89**	**0-20**
IDC	I	07 20 01 32.5–2.8	43.06N	105.16W	0	3.5,3.3L		¶12080669
NEIC	I	07 20 01 36.8–.51	43.53N	105.15W	0	3.2L,3.3L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=53.3km s-min=9.0km az=156.0.							
NEIC	Event type fm. Error ellipse: s-maj=8.1km s-min=5.4km az=143.0. 85 km [55 miles] WSW of Newcastle. Suspected Mining explosion.							

(548) Poland

ISC	**I**	**07 20 08 30.3–.83**	**50.34N–.04**	**18.84E–.02**	**0**		**60**	**1-4**
ISCJB	I	07 20 08 30.3–.49	50.31N–.03	18.73E–.03	0			¶11534248
WAR	I	07 20 08 30.9	50.35N	18.88E				
CSEM	I	07 20 08 31.4–.30	50.31N	18.80E	2	2.8L		
IPEC	I	07 20 08 31.8–.15	50.28N	18.84E	4–1	2.1L		
PRU	I	07 20 08 32.5	50.30N	18.76E	0	2.1L		
VIE	I	07 20 08 36.1–.86	50.27N	18.33E	0	2.2L,1.6b		
ISC	Event type ki.							
ISCJB	Event type sr. Error ellipse: s-maj=5.0km s-min=2.5km az=12.9.							
CSEM	Event type ki. Error ellipse: s-maj=7.3km s-min=3.1km az=5.0.							
IPEC	Event type ki. Error ellipse: s-maj=1.5km s-min=0.8km az=172.0.							
PRU	Event type ki.							
VIE	Event type sr. Error ellipse: s-maj=5.8km s-min=4.5km az=146.0. 46 km W of Katowice . Suspected Mining induced.							

(460) Wyoming

ISC	**I**	**07 21 08 19.8–.55**	**43.68N–.02**	**105.27W–.02**	**0**		**137**	**0-20**
IDC	I	07 21 08 15.9–2.9	43.30N	105.20W	0	4.4L,3.5		¶12080678
NEIC	I	07 21 08 19.1–.65	43.53N	105.12W	0	3.1L,3.5		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=66.9km s-min=9.5km az=155.0.							
NEIC	Event type fm. Error ellipse: s-maj=10.9km s-min=5.8km az=138.0. 85 km [50 miles] WSW of Newcastle. Suspected Mining explosion.							

(548) Poland

ISC	**I**	**07 22 44 20.0–.80**	**50.22N–.03**	**18.85E–.02**	**0**		**64**	**1-4**
WAR	I	07 22 44 20.9	50.25N	18.88E				¶11534252
ISCJB	I	07 22 44 20.3–.49	50.22N–.04	18.74E–.03	0			
CSEM	I	07 22 44 21.5–.24	50.23N	18.79E	2	3.0L		
IPEC	I	07 22 44 21.3–.15	50.22N	18.85E	4–1	2.0L		
PRU	I	07 22 44 22.2	50.20N	18.78E	0	2.0L		
VIE	I	07 22 44 23.7–1.1	49.70N	18.86E	0	2.4L,1.7b		
ISC	Event type ki.							
ISCJB	Event type sr. Error ellipse: s-maj=5.4km s-min=2.4km az=12.7.							
CSEM	Event type ki. Error ellipse: s-maj=6.3km s-min=2.8km az=9.0.							
IPEC	Event type ki. Error ellipse: s-maj=2.2km s-min=0.8km az=169.0.							
PRU	Event type ki.							
VIE	Event type sr. Error ellipse: s-maj=6.8km s-min=5.3km az=109.0. 46 km ESE of Ostrava . Suspected Mining induced.							

(548) Poland

ISC	**I**	**08 11 23 17.0–.65**	**50.39N–.03**	**18.86E–.01**	**0**		**143**	**1-19**
ISCJB	I	08 11 23 15.9–.41	50.39N–.03	18.80E–.03	0			¶11594431
WAR	I	08 11 23 17.3	50.35N	18.89E				
CSEM	I	08 11 23 17.8–.16	50.33N	18.78E	2	2.9L		
IPEC	I	08 11 23 17.5–.21	50.35N	18.86E	2–1	2.9L		
BGR	I	08 11 23 18.7–.34	50.33N	18.81E	1	3.3L		
IDC	I	08 11 23 18.4–.95	50.22N	18.89E	0	3.9,3.8		
VIE	I	08 11 23 18.5–1.2	49.71N	19.06E	0	3.2L,2.5b		
PRU	I	08 11 23 18.4	50.35N	18.79E	0	3.2L,2.5b		
ISC	Event type ki.							
ISCJB	Event type sr. Error ellipse: s-maj=4.2km s-min=2.1km az=19.0.							
CSEM	Event type ki. Error ellipse: s-maj=4.3km s-min=1.9km az=19.0.							
IPEC	Event type ki. Error ellipse: s-maj=2.4km s-min=1.1km az=172.0.							
BGR	Event type ki. Error ellipse: s-maj=6.7km s-min=4.4km az=6.0.							
IDC	Error ellipse: s-maj=20.4km s-min=8.1km az=151.0.							
VIE	Event type sr. Error ellipse: s-maj=7.8km s-min=6.9km az=154.0. 59 km NNE of Zilina . Suspected Mining induced.							
PRU	Event type ki.							

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**08 12 02 19.3–.90**	**59.34N–.03**	**27.14E–.04**	**0**		**48**	**1-10**
ISCJB	I	08 12 02 17.3–.95	59.48N–.03	27.45E–.10	0			¶15964314
CSEM	I	08 12 02 19.9–.55	59.41N	27.12E	1	1.9L		
BER	I	08 12 02 19.6–1.1	59.34N	27.32E	0	2.2L		
NAO	I	08 12 02 19.6–1.1	59.31N	26.92E		2.2L		
HEL	I	08 12 02 21.4–.90	59.35N	27.06E	0	2.2L,1.9L		
ISC	Event type km.							
ISCJB	Event type km. Error ellipse: s-maj=7.2km s-min=4.7km az=17.6.							
CSEM	Event type km. Error ellipse: s-maj=11.6km s-min=8.0km az=97.0. Mining explosion.							
BER	Event type sh. Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0. Suspected explosion.							
NAO	Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.							
HEL	Event type kh. Error ellipse: s-maj=3.9km s-min=8.7km az=-1.0. Explosion.							

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**08 12 04 04.8–.30**	**41.78N–.01**	**20.81E–.01**	**15–1**	**4.9b,4.3s**	**1778**	**0-145**
ATH	I	08 12 04 00.0	41.94N	20.74E	5–3	5.0L,4.3s		¶13404673
BJI	I	08 12 04 00.5	41.87N	20.51E	10	5.1b,4.9s		
SKO	I	08 12 04 01.7	41.74N	20.62E	20	4.9L,4.5		
TIR	I	08 12 04 01.9–3.4	41.82N	20.89E	7–78	5.1L,4.5		
LDG	I	08 12 04 01.8–.25	41.89N	20.81E	10	5.2b,3.6s		
PDG	I	08 12 04 03.9–.61	41.81N	20.85E	9–1	4.9L,4.7		
THE	I	08 12 04 04.5	41.79N	20.86E	1–2	5.1L,4.7		
ISCJB	I	08 12 04 04.4–.23	41.803N–.01	20.78E–.01	19–2	4.9b,4.3s		
BEO	I	08 12 04 05.0–.43	41.80N	20.79E	0–3	4.6L,4.3s		
NEIC	I	08 12 04 05.7–.59	41.80N	20.83E	18–4	5.1L,5.0b		
MOS	I	08 12 04 05.8–.96	41.82N	20.72E	33	5.0b,4.2s		
PRU	I	08 12 04 05.8	41.82N	20.23E	0	5.0,4.2s		
VIE	I	08 12 04 06.0–.34	41.88N	20.85E	10	4.9s,4.5b		
IDC	I	08 12 04 07.8–1.3	41.81N	20.76E	36–10	4.5,4.5		
HLW	I	08 12 04 10.3	41.29N	21.51E	33–26	4.7L,0.0		
ISC	Event type fe.							
ATH	Error ellipse: s-maj=3.2km s-min=2.7km az=-1.0.							
TIR	Error ellipse: s-maj=7.9km s-min=14.1km az=-1.0.							
LDG	Event type ke. Error ellipse: s-maj=13.0km s-min=6.0km az=20.0.							
PDG	Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.							
THE	Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=327.0.							
ISCJB	Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=37.0.							
BEO	Event type ke.							
NEIC	Event type fe. Error ellipse: s-maj=3.0km s-min=1.8km az=221.0. Felt [V] at Gostivar; [III] at Ohrid, Skopje and Tetovo; [II] at Bitola. Also felt at Bogovinje, Debar, Dolna Banjica, Drugovo, Kicevo, Prilep, Saraj, Srbinovo, Veles and Vinica. Felt at Tirana and Vore, Albania and at Pristina and Prizren, Kosovo. Moment Tensor Solution. $M_0$1.40000×10^{16}							
MOS	Error ellipse: s-maj=3.8km s-min=2.4km az=102.1.							
VIE	Error ellipse: s-maj=4.4km s-min=2.6km az=23.0.							
IDC	Error ellipse: s-maj=10.3km s-min=8.9km az=155.0.							

(584) South Africa

PRE	**I**	**08 12 13 24.8–.79**	**26.23S**	**29.08E**	**0**	**2.2L**		¶13404675
PRE	Event type kh. Error ellipse: s-maj=2.9km s-min=1.8km az=-1.0. Explosion.							

(548) Poland

ISC	**I**	**08 17 10 06.5–1.1**	**51.45N–.05**	**16.12E–.02**	**0**		**79**	**1-11**
ISCJB	I	08 17 10 03.9–.54	51.44N–.03	16.13E–.03	0			¶11594442
CSEM	I	08 17 10 05.1–.28	51.49N	16.09E	2	2.8L		
IDC	I	08 17 10 06.2–1.1	51.53N	15.82E	0	3.4,3.3		
PRU	I	08 17 10 06.1	51.48N	16.11E	0	3.4,3.3		
WAR	I	08 17 10 07.2	51.44N	16.20E		3.4,3.3		
VIE	I	08 17 10 08.0–.46	51.29N	16.11E	0	2.8L,2.4b		
ISC	Event type ki.							
ISCJB	Event type sr. Error ellipse: s-maj=4.2km s-min=2.7km az=15.3.							
CSEM	Event type ki. Error ellipse: s-maj=5.0km s-min=3.9km az=7.0.							
IDC	Error ellipse: s-maj=17.2km s-min=9.0km az=114.0.							
PRU	Event type ki.							
VIE	Event type sr. Error ellipse: s-maj=2.9km s-min=2.8km az=118.0. 66 km WNW of Wroclaw . Suspected Mining induced.							

(478) Utah

ISC	**I**	**08 18 19 29.8–.97**	**40.52N–.05**	**112.36W–.04**	**0**		**17**	**0-13**
NEIC	I	08 18 19 30.6–1.9	40.59N	112.30W	0	2.0L		¶12080766
IDC	I	08 18 19 40.1–.97	40.94N	111.82W	0	3.2,3.0		
ISC	Event type fm.							
NEIC	Event type fm. Error ellipse: s-maj=25.8km s-min=20.7km az=83.0. NEAR Tooele. Suspected Mining explosion.							
IDC	Error ellipse: s-maj=20.7km s-min=7.6km az=138.0.							

(536) Sweden

ISC I 09 18 03 39.2–1.2 67.09N–.04 21.00E–.08 0 16 1-8
ISCJB I 09 18 03 37.8–.74 67.12N–.03 20.7E–.10 0 **¶12080867**
HEL I 09 18 03 40.8–.20 67.13N 20.96E 0 2.2L
IDC I 09 18 03 40.6–.91 67.04N 21.44E 0 2.9,2.9
ISC Event type sh.
ISCJB Event type sh. Error ellipse: s-maj=8.3km s-min=4.6km az=4.1.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=1.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=19.3km s-min=8.7km az=112.0.

(366) Turkey

ISC I 10 10 01 31.3–.81 37.31N–.03 28.16E–.03 0 39 0-2
DDA I 10 10 01 30.8 37.22N 28.06E 7 2.7 **¶12854589**
ISK I 10 10 01 30.9 37.28N 28.18E 5 2.5
ISCJB I 10 10 01 31.2–.49 37.31N–.03 28.23E–.03 0 2.5
CSEM I 10 10 01 31.5–.26 37.30N 28.21E 2 2.5
ISC Event type kh.
DDA Event type kh.
ISCJB Event type km. Error ellipse: s-maj=4.6km s-min=3.6km az=32.7.
CSEM Event type km. Error ellipse: s-maj=6.2km s-min=5.0km az=38.0. Mining explosion.

(548) Poland

ISC I 10 10 37 54.9–1.1 51.48N–.05 16.11E–.02 0 70 1-4
IPEC I 10 10 37 53.8–.26 51.55N 16.21E 0 2.2L **¶11594482**
ISCJB I 10 10 37 54.4–.73 51.40N–.04 16.06E–.04 0 2.2L
PRU I 10 10 37 55.9 51.43N 16.10E 0 2.2L
CSEM I 10 10 37 55.1–.34 51.44N 16.08E 2 3.3L
WAR I 10 10 37 56.0 51.45N 16.13E 3.3L
VIE I 10 10 37 57.0–.46 51.26N 16.16E 0 2.8L,2.0b
ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.5km az=30.0.
ISCJB Event type sr. Error ellipse: s-maj=5.4km s-min=3.1km az=21.6.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=5.8km s-min=3.4km az=8.0.
VIE Event type sr. Error ellipse: s-maj=2.9km s-min=2.7km az=173.0. 62 km WNW of Wroclaw . Suspected Mining induced.

(460) Wyoming

ISC I 10 17 02 36.7–.61 43.68N–.02 105.29W–.02 0 107 0-20
IDC I 10 17 02 34.5–2.3 43.32N 105.20W 0 3.9L,3.8 **¶12080966**
ISCJB I 10 17 02 36.7–.23 43.70N–.01 105.32W–.02 0 3.9L,3.8
NEIC I 10 17 02 37.1–.33 43.73N 105.28W 0 3.0L,3.8
ISC Event type fm.
IDC Error ellipse: s-maj=47.2km s-min=7.3km az=152.0.
ISCJB Event type fm. Error ellipse: s-maj=2.5km s-min=1.9km az=148.4.
NEIC Event type fm. Error ellipse: s-maj=4.6km s-min=4.0km az=202.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC I 10 17 12 30.0–.36 51.55N–.02 16.11E–.02 0 4.0b 577 1-125
ISCJB I 10 17 12 28.7–.16 51.54N–.01 16.08E–.02 0 4.0b **¶11594488**
MOS I 10 17 12 29.1–1.7 51.58N 15.89E 10 4.5b
IPEC I 10 17 12 29.4–.39 51.65N 16.18E 0–1 3.6L
NEIC I 10 17 12 29.6–.27 51.59N 15.91E 5 4.1b
LDG I 10 17 12 30.6–.12 51.49N 16.05E 1 4.3L
CSEM I 10 17 12 30.4–.08 51.57N 16.11E 0 4.4L,4.1b
IDC I 10 17 12 31.8–.45 51.57N 16.04E 0 3.9,3.9
BGR I 10 17 12 31.9–.46 51.52N 16.13E 1 3.9L,3.9
PRU I 10 17 12 32.2 51.52N 16.09E 0 4.1,3.9
BNS I 10 17 12 32.1–.39 51.61N 16.15E 5 3.7L,3.9
VIE I 10 17 12 34.3–1.2 51.30N 16.06E 1–6 4.0s,3.6L
WAR I 10 17 12 34.1 51.44N 16.20E 4.0s,3.6L
UPP I 10 17 12 35.0 51.76N 15.55E 0 3.2L,3.6L
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=1.7km s-min=1.4km az=4.8.
MOS Error ellipse: s-maj=5.4km s-min=3.3km az=75.5.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.6km az=12.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=155.0.
LDG Event type sr. Error ellipse: s-maj=3.0km s-min=1.4km az=8.0. Suspected Mining induced.
CSEM Event type ki. Error ellipse: s-maj=1.9km s-min=1.7km az=166.0.
IDC Error ellipse: s-maj=9.3km s-min=5.4km az=108.0.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=2.2km az=23.0.
PRU Event type ki. Felt In Harrachov.
BNS Event type ke.
VIE Event type sr. Error ellipse: s-maj=6.2km s-min=2.7km az=7.0. 70 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC I 10 19 23 02.0–.70 44.05N–.02 105.38W–.02 0 83 0-11
ISCJB I 10 19 23 01.7–.24 44.04N–.01 105.37W–.02 0 **¶12080977**
IDC I 10 19 23 02.8–1.3 44.27N 105.79W 0 3.7,3.4
NEIC I 10 19 23 02.3–.47 44.04N 105.33W 0 3.1L,3.4
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=2.0km az=173.8.
IDC Error ellipse: s-maj=53.6km s-min=7.8km az=145.0.
NEIC Event type fm. Error ellipse: s-maj=7.4km s-min=5.8km az=168.0. 30 km [20 miles] SSE of Gillette. Suspected Mining explosion.

(547) Czech and Slovak Republics

ISC I 10 20 22 58.5–.73 49.82N–.03 18.49E–.02 0 75 0-4
ISCJB I 10 20 22 57.7–.36 49.87N–.03 18.43E–.03 0 **¶11594492**
IPEC I 10 20 22 57.2–.44 49.82N 18.66E 0–2 1.9L
CSEM I 10 20 22 59.0–.19 49.81N 18.45E 2 2.5L
PRU I 10 20 22 59.8 49.84N 18.43E 0 2.5L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.1km s-min=2.2km az=17.8.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=2.2km az=101.0.
CSEM Event type ki. Error ellipse: s-maj=4.9km s-min=2.8km az=14.0.
PRU Event type ki.

(536) Sweden

ISC I 11 00 42 36.5–.62 67.13N–.02 20.54E–.02 0 145 1-11
ISCJB I 11 00 42 35.9–.32 67.13N–.02 20.59E–.07 0 **¶13404800**
UPP I 11 00 42 37.8 67.18N 20.64E 0 2.8L
IDC I 11 00 42 38.8–.89 67.11N 20.92E 0 3.4,3.3
HEL I 11 00 42 38.7–.10 67.19N 20.71E 1 2.8L,2.6L
NAO I 11 00 42 38.7–.80 67.11N 21.07E 2.5L,2.6L
CSEM I 11 00 42 38.0–.13 67.17N 20.70E 1 2.6L,2.6L
BER I 11 00 42 39.6–4.8 67.19N 20.70E 0 2.6L,2.5L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.7km s-min=2.5km az=176.6.
UPP Event type km. Mining explosion.
IDC Error ellipse: s-maj=14.3km s-min=7.2km az=117.0.
HEL Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=3.5km s-min=2.5km az=87.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=8.4km s-min=18.9km az=-1.0. Suspected explosion.

(548) Poland

ISC I 11 10 53 55.1–.31 51.53N–.02 16.10E–.02 0 4.7s,4.6b 891 1-84
BJI I 11 10 53 51.8 51.40N 15.50E 10 5.4b,5.0s **¶11594517**
ISCJB I 11 10 53 54.3–.11 51.470N–.01 16.04E–.02 0 4.6s,4.6b
LDG I 11 10 53 54.6–.08 51.56N 16.21E 1 4.9L,4.6b
IDC I 11 10 53 56.0–.46 51.52N 16.00E 0 4.3,4.2
CSEM I 11 10 53 55.4–.11 51.55N 16.07E 2 4.6L,4.6s
MOS I 11 10 53 55.1–.97 51.55N 16.04E 10 4.5b,4.6s
BGR I 11 10 53 56.4–.32 51.52N 16.12E 1 4.3L,4.6s
PRU I 11 10 53 56.9 51.51N 16.08E 0 4.7,4.6s
NEIC I 11 10 53 56.4 51.52N 16.12E 1 4.7b,4.3L
IPEC I 11 10 53 56.5–.22 51.54N 16.13E 9–1 3.7L,4.3L
BNS I 11 10 53 57.4–.51 51.54N 16.08E 5 3.9L,4.3L
WAR I 11 10 53 58.5 51.44N 16.20E 3.9L,4.3L
VIE I 11 10 53 58.6–.45 51.31N 16.02E 0 4.6s,3.9L
UPP I 11 10 54 01.5 51.91N 15.43E 0 3.3L,3.9L
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=1.4km s-min=1.3km az=140.9.
LDG Event type sr. Error ellipse: s-maj=2.7km s-min=1.7km az=164.0. Suspected Mining induced.
IDC Error ellipse: s-maj=9.2km s-min=6.3km az=99.0.
CSEM Event type ki. Error ellipse: s-maj=2.5km s-min=1.8km az=10.0.
MOS Error ellipse: s-maj=5.6km s-min=3.6km az=89.5.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=17.0.
PRU Event type ki. Felt In Ponikla.
NEIC Event type se. After SZGRF.
IPEC Event type ki. Error ellipse: s-maj=1.3km s-min=0.6km az=41.0.
BNS Event type ke.
VIE Event type sr. Error ellipse: s-maj=2.9km s-min=2.1km az=176.0. 73 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC I 11 10 57 54.1–1.6 51.50N–.07 16.09E–.04 0 45 1-3
ISCJB I 11 10 57 53.3–1.0 51.49N–.05 16.05E–.05 0 **¶11594518**
PRU I 11 10 57 54.9 51.50N 16.08E 0
CSEM I 11 10 57 54.6–.55 51.48N 16.08E 2 3.6L
WAR I 11 10 57 56.2 51.45N 16.13E 3.6L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.3km s-min=4.0km az=27.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=8.8km s-min=4.6km az=22.0.

(548) Poland

ISC I 11 11 17 23.8–.95 51.51N–.04 16.08E–.02 0 106 1-5
ISCJB I 11 11 17 22.4–.46 51.46N–.02 16.08E–.03 0 **¶11594520**
CSEM I 11 11 17 23.4–.18 51.51N 16.09E 2 3.5L
IPEC I 11 11 17 24.0–.22 51.53N 16.17E 9–1 2.4L
VIE I 11 11 17 25.8–.40 51.32N 16.15E 0 2.9L,2.4b
WAR I 11 11 17 25.4 51.47N 16.15E 2.9L,2.4b
PRU I 11 11 17 25.1 51.46N 16.05E 0 2.9L,2.4b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.6km s-min=2.3km az=21.2.
CSEM Event type ki. Error ellipse: s-maj=3.3km s-min=2.1km az=18.0.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=0.6km az=43.0.
VIE Event type sr. Error ellipse: s-maj=2.7km s-min=2.5km az=121.0. 64 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(460) Wyoming

ISC I 11 21 10 56.9–2.2 44.10N–.07 105.4W–.10 0 27 3-89
NEIC I 11 21 10 53.9–7.3 44.12N 105.21W 0 3.0L **¶12081064**
IDC I 11 21 11 03.0–1.8 44.02N 105.66W 0 3.8b,3.6
ISC Event type fm.
NEIC Event type fm. Error ellipse: s-maj=84.8km s-min=15.0km az=76.0. 30 km [20 miles] SE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=57.2km s-min=10.5km az=145.0.

(460) Wyoming

ISC I 11 22 06 31.4–.64 43.71N–.02 105.24W–.02 0 81 0-20
IDC I 11 22 06 27.3–3.2 43.04N 105.09W 0 3.8L,3.8 **¶12081068**
ISCJB I 11 22 06 30.6–.27 43.68N–.02 105.31W–.02 0 3.8L,3.8
NEIC I 11 22 06 31.5–.36 43.73N 105.24W 0 3.0L,3.8
ISC Event type fm.
IDC Error ellipse: s-maj=64.5km s-min=9.7km az=159.0.
ISCJB Event type fm. Error ellipse: s-maj=3.0km s-min=2.5km az=9.6.
NEIC Event type fm. Error ellipse: s-maj=5.7km s-min=4.3km az=174.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC I 12 21 09 47.5–.57 43.72N–.02 105.26W–.02 0 3.7b 158 0-90
IDC I 12 21 09 44.9–2.1 43.36N 105.17W 0 3.7b,3.7 **¶12081140**
ISCJB I 12 21 09 46.8–.20 43.73N–.01 105.30W–.02 0 3.6b,3.7
NEIC I 12 21 09 47.6–.37 43.73N 105.24W 0 3.2L,3.7
ISC Event type fm.
IDC Error ellipse: s-maj=49.6km s-min=8.2km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.8km az=165.9.
NEIC Event type fm. Error ellipse: s-maj=6.1km s-min=5.0km az=146.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC I 13 02 21 45.9–1.7 51.45N–.08 16.06E–.04 0 42 1-3
ISCJB I 13 02 21 45.6–1.2 51.42N–.05 16.01E–.05 0 **¶11594591**
CSEM I 13 02 21 46.8–.79 51.45N 16.00E 2 3.0L
PRU I 13 02 21 47.1 51.45N 16.05E 0 3.0L
WAR I 13 02 21 48.1 51.44N 16.20E 3.0L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.3km s-min=3.7km az=24.0.
CSEM Event type ki. Error ellipse: s-maj=12.9km s-min=6.1km az=22.0.
PRU Event type ki.

(548) Poland

ISC I 13 04 12 13.5–.31 51.45N–.02 16.18E–.01 0 3.7b 321 1-84
WAR I 13 04 12 10.8 51.47N 16.15E 3.7b **¶11594592**
ISCJB I 13 04 12 11.4–.19 51.45N–.01 16.15E–.02 0 3.8b
LDG I 13 04 12 12.6–.11 51.48N 16.19E 1 3.8L
MOS I 13 04 12 12.3–1.4 51.56N 16.18E 10 4.1b
CSEM I 13 04 12 13.2–.08 51.48N 16.20E 0 4.1L,4.0b
IPEC I 13 04 12 14.0–.36 51.46N 16.44E 0 3.2L,4.0b
IDC I 13 04 12 14.2–.47 51.42N 16.06E 0 3.8,3.8
BGR I 13 04 12 15.0–.36 51.41N 16.18E 1 3.6L,3.8
PRU I 13 04 12 15.2 51.40N 16.17E 0 3.6L,3.8
VIE I 13 04 12 16.0–.34 51.27N 16.20E 0 3.6L,3.1b
UPP I 13 04 12 30.5 52.65N 15.55E 0 2.3L,3.1b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=1.8km s-min=1.7km az=163.9.
LDG Event type sr. Error ellipse: s-maj=3.0km s-min=1.7km az=175.0. Suspected Mining induced.
MOS Error ellipse: s-maj=7.9km s-min=4.4km az=95.4.
CSEM Event type ki. Error ellipse: s-maj=2.1km s-min=1.9km az=106.0.
IPEC Event type ki. Error ellipse: s-maj=3.4km s-min=2.2km az=90.0.
IDC Error ellipse: s-maj=9.2km s-min=5.8km az=109.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=18.0.
PRU Event type ki. Felt In Harrachov.
VIE Event type sr. Error ellipse: s-maj=2.1km s-min=1.6km az=10.0. 60 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

PRU I 13 04 12 07.4 51.62N 16.41E 0 ¶11594593
PRU Event type ki.

(548) Poland

ISC I 13 04 21 16.4–.86 51.49N–.03 16.18E–.02 0 66 1-4
ISCJB I 13 04 21 16.6–.66 51.39N–.03 16.20E–.04 0 **¶11594594**
CSEM I 13 04 21 17.5–.34 51.45N 16.15E 2 3.3L
WAR I 13 04 21 18.2 51.47N 16.15E 3.3L
PRU I 13 04 21 19.9 51.34N 16.17E 0 3.3L
VIE I 13 04 21 20.0–.29 51.24N 16.21E 0 2.7L,2.0b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.1km s-min=3.1km az=15.0.
CSEM Event type ki. Error ellipse: s-maj=6.1km s-min=4.5km az=2.0.
PRU Event type ki. Felt In Harrachov.
VIE Event type sr. Error ellipse: s-maj=2.4km s-min=1.8km az=63.0. 58 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC I 13 12 05 25.8–1.4 59.36N–.05 27.13E–.07 0 27 1-10
ISCJB I 13 12 05 24.4–1.0 59.39N–.04 26.9E–.10 0 **¶12081182**
HEL I 13 12 05 26.4–.40 59.27N 27.20E 0 1.9L
IDC I 13 12 05 29.3–1.2 59.46N 27.15E 0 3.3,3.2
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=8.1km s-min=4.8km az=23.6.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=12.2km s-min=8.7km az=93.0.

(548) Poland

ISC I 13 19 28 58.9–.83 50.33N–.04 18.84E–.02 0 52 1-5
ISCJB I 13 19 28 57.4–.64 50.40N–.04 18.79E–.03 0 **¶11594618**
CSEM I 13 19 28 58.5–.31 50.38N 18.84E 2 2.8L
PRU I 13 19 28 59.4 50.36N 18.82E 0 2.8L
WAR I 13 19 28 59.2 50.36N 18.88E 2.8L
IPEC I 13 19 28 59.5–.38 50.34N 18.85E 0 1.9L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=2.6km az=16.9.

CSEM Event type ki. Error ellipse: s-maj=6.9km s-min=3.0km az=10.0.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=5.6km s-min=0.8km az=167.0.

(460) Wyoming

ISC	**I**	**13 20 11 09.7–.73**	**43.80N–.02**	**105.27W–.02**	**0**		**76**	**0-11**
ISCJB	I	13 20 11 09.9–.24	43.77N–.01	105.27W–.02	0			**¶12081213**
NEIC	I	13 20 11 09.9–.78	43.85N	105.28W	0	3.1L		
IDC	I	13 20 11 10.5–1.6	43.95N	105.42W	0	3.6,3.3		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=2.0km az=165.8.
NEIC Event type fm. Error ellipse: s-maj=13.2km s-min=7.9km az=3.0. 50 km [30 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=48.1km s-min=8.6km az=148.0.

(548) Poland

ISC	**I**	**14 00 26 58.4–.85**	**50.11N–.03**	**19.14E–.02**	**0**		**50**	**0-4**
ISCJB	I	14 00 26 57.6–.48	50.10N–.03	19.10E–.03	0			**¶11594632**
PRU	I	14 00 26 59.4	50.12N	19.13E	0			
CSEM	I	14 00 26 59.3–.35	50.09N	19.14E	2	2.7L		
IPEC	I	14 00 27 00.8–.29	50.20N	19.06E	0	1.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.6km s-min=2.5km az=12.8.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=7.3km s-min=3.5km az=13.0.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.8km az=161.0.

(548) Poland

ISC	**I**	**14 10 22 03.3–.80**	**51.47N–.03**	**16.08E–.02**	**0**		**157**	**1-19**
ISCJB	I	14 10 22 01.1–.39	51.46N–.02	16.09E–.02	0			**¶11594670**
IPEC	I	14 10 22 02.1–.22	51.52N	16.22E	4–1	2.8L		
CSEM	I	14 10 22 02.2–.17	51.51N	16.10E	2	3.8L		
IDC	I	14 10 22 03.2–.79	51.54N	16.00E	0	3.5,3.4		
BGR	I	14 10 22 03.3–.36	51.50N	16.12E	1	3.3L,3.4		
PRU	I	14 10 22 03.5	51.47N	16.10E	0	3.3L,3.4		
WAR	I	14 10 22 04.2	51.45N	16.13E		3.3L,3.4		
VIE	I	14 10 22 04.9–.31	51.28N	16.09E	0	3.4L,2.6b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.2km s-min=1.8km az=21.3.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=0.6km az=44.0.
CSEM Event type ki. Error ellipse: s-maj=3.3km s-min=2.0km az=22.0.
IDC Error ellipse: s-maj=15.0km s-min=7.3km az=113.0.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=19.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.2km s-min=1.4km az=10.0. 67 km WNW of Wroclaw . Suspected Mining induced.

(460) Wyoming

ISC	**I**	**14 17 00 00.4–.66**	**43.60N–.02**	**105.21W–.02**	**0**		**112**	**0-11**
IDC	I	14 16 59 59.0–1.9	43.37N	105.27W	0	3.6,3.3		**¶12081277**
NEIC	I	14 16 59 59.9–.55	43.63N	105.14W	0	3.0L,3.3		
ISCJB	I	14 17 00 00.3–.22	43.60N–.01	105.29W–.02	0	3.0L,3.3		

ISC Event type fm.
NEIC Event type fm. 80 km [50 miles] SSE of Gillette. Suspected Mining explosion.
ISCJB Event type fm.

(548) Poland

ISC	**I**	**15 05 17 31.3–.66**	**51.45N–.02**	**16.13E–.02**	**0**		**179**	**1-19**
IPEC	I	15 05 17 27.9–.25	51.63N	16.22E	0	2.8L		**¶11598106**
ISCJB	I	15 05 17 28.4–.32	51.45N–.02	16.14E–.02	0	2.8L		
IDC	I	15 05 17 30.6–.76	51.48N	16.08E	0	3.4,3.4		
PRU	I	15 05 17 30.4	51.50N	16.11E	0	3.4,3.4		
CSEM	I	15 05 17 30.4–.16	51.45N	16.09E	2	4.0L,3.4		
BGR	I	15 05 17 31.1–.37	51.45N	16.10E	1	3.4L,3.4		
VIE	I	15 05 17 31.4–.82	51.36N	16.05E	0	3.4L,2.8b		
WAR	I	15 05 17 31.9	51.45N	16.18E		3.4L,2.8b		

ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.6km az=38.0.
ISCJB Event type sr. Error ellipse: s-maj=2.7km s-min=1.9km az=14.2.
IDC Error ellipse: s-maj=11.9km s-min=7.1km az=117.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=3.3km s-min=2.0km az=10.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=17.0.
VIE Event type sr. Error ellipse: s-maj=5.1km s-min=3.3km az=17.0. 73 km WNW of Wroclaw . Suspected Mining induced.

(544) Switzerland

ISC	**I**	**15 07 54 01.7–.65**	**46.60N–.01**	**7.35E–.01**	**13–5**		**205**	**0-6**
GEN	I	15 07 54 00.4	46.79N	7.04E	2	3.1L		**¶11594708**
LDG	I	15 07 54 01.0–.08	46.60N	7.47E	5	3.3L,3.3		
CSEM	I	15 07 54 01.4–.14	46.61N	7.34E	2	3.3L,3.3		
ZUR	I	15 07 54 02.9	46.63N	7.49E	-2–4	2.8L,3.3		
BGR	I	15 07 54 04.8–.72	46.59N	7.48E	10	3.5L,3.3		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=108.0.
CSEM Event type sm. Error ellipse: s-maj=3.3km s-min=2.6km az=120.0. Suspected Mining explosion.
ZUR Event type ke.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=30.0.

(721) Finland

HEL	**I**	**15 12 05 33.2–1.3**	**63.74N**	**22.83E**	**0**	**1.3L**		
CSEM	I	15 12 05 33.2	63.74N	22.83E	0	1.3L		**¶14339836**

HEL Event type kh. Error ellipse: s-maj=4.9km s-min=12.8km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(724) Baltic States - Belarus - Northwestern Russia

HEL	**I**	**15 12 06 45.4–.70**	**59.18N**	**27.77E**	**0**	**1.7L**		
								¶14339837

HEL Event type kh. Error ellipse: s-maj=2.7km s-min=5.5km az=-1.0. Explosion.

(548) Poland

ISC	**I**	**15 13 17 54.3–.74**	**50.23N–.03**	**18.86E–.02**	**0**		**127**	**0-6**
ISCJB	I	15 13 17 51.8–.43	50.31N–.03	18.72E–.02	0			**¶11598110**
IPEC	I	15 13 17 53.7–.46	50.26N	18.96E	3–1	2.5L		
CSEM	I	15 13 17 53.9–.19	50.29N	18.82E	2	3.4L		
WAR	I	15 13 17 54.8	50.23N	18.92E		3.4L		
PRU	I	15 13 17 54.9	50.26N	18.82E	0	3.4L		
VIE	I	15 13 17 55.7–1.1	49.67N	19.01E	0	3.1L,1.9b		
BGR	I	15 13 18 10.9–.98	50.05N	17.98E	1	3.1L,1.9b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.2km s-min=1.8km az=16.1.
IPEC Event type ki. Error ellipse: s-maj=2.7km s-min=2.6km az=125.0.
CSEM Event type ki. Error ellipse: s-maj=5.2km s-min=1.9km az=12.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=6.4km s-min=5.4km az=103.0. 54 km NNE of Zilina . Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=10.0km s-min=7.8km az=64.0.

(460) Wyoming

ISC	**I**	**15 21 07 37.2–.54**	**43.67N–.02**	**105.27W–.02**	**0**	**4.0b**	**174**	**0-85**
ISCJB	I	15 21 07 37.4–.18	43.76N–.01	105.33W–.02	0	4.2b		**¶12081373**
NEIC	I	15 21 07 37.5–.72	43.63N	105.25W	0	3.2L		
IDC	I	15 21 07 38.2–.94	43.84N	105.69W	0	4.1b,3.8		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.7km az=157.4.
NEIC Event type fm. Error ellipse: s-maj=9.6km s-min=8.1km az=98.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.5km s-min=10.7km az=142.0.

(548) Poland

ISC	**I**	**16 03 53 25.2–.89**	**50.30N–.05**	**18.73E–.02**	**0**		**39**	**1-4**
ISCJB	I	16 03 53 24.4–.55	50.26N–.04	18.68E–.04	0			**¶11598127**
WAR	I	16 03 53 26.0	50.26N	18.76E				
PRU	I	16 03 53 26.3	50.28N	18.57E	0			
CSEM	I	16 03 53 26.0–.34	50.29N	18.56E	2	2.6L		
IPEC	I	16 03 53 26.6–.55	50.24N	18.65E	5–2	1.6L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.6km s-min=3.1km az=12.3.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=7.4km s-min=3.8km az=2.0.
IPEC Event type ki. Error ellipse: s-maj=3.1km s-min=2.0km az=49.0.

(536) Sweden

HEL	**I**	**16 11 53 49.0–.00**	**65.04N**	**21.36E**	**0**	**1.3L**		
								¶14339874

HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0. Explosion.

(724) Baltic States - Belarus - Northwestern Russia

HEL	**I**	**16 11 54 59.7–.70**	**59.26N**	**27.23E**	**0**	**1.6L**		
								¶14339875

HEL Event type kh. Error ellipse: s-maj=2.4km s-min=6.9km az=-1.0. Explosion.

(377) Spain

CSEM	**I**	**16 12 30 24.2**	**38.67N**	**4.13W**	**0**	**1.7L**		
								¶15849849

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.

(377) Spain

CSEM	**I**	**16 12 31 19.0**	**42.91N**	**6.35W**	**0**	**1.7L**		
								¶15849850

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.

(548) Poland

ISC	**I**	**16 20 42 49.6–.92**	**50.23N–.05**	**18.87E–.03**	**0**		**34**	**1-4**
ISCJB	I	16 20 42 49.2–.58	50.26N–.04	18.82E–.03	0			**¶11598142**
WAR	I	16 20 42 49.4	50.24N	18.94E				
PRU	I	16 20 42 50.9	50.25N	18.82E	0			
CSEM	I	16 20 42 52.3–.66	50.23N	18.70E	2	2.5L		
IPEC	I	16 20 42 52.2–.60	50.33N	18.64E	2–3	1.5L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=2.9km az=9.6.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9.9km s-min=8.9km az=29.0.
IPEC Event type ki. Error ellipse: s-maj=5.2km s-min=3.0km az=161.0.

(548) Poland

ISC	**I**	**16 22 26 54.2–.86**	**50.35N–.04**	**18.82E–.02**	**0**		**45**	**1-4**
ISCJB	I	16 22 26 53.9–.61	50.35N–.04	18.75E–.03	0			**¶11598143**
WAR	I	16 22 26 54.4	50.36N	18.88E				
CSEM	I	16 22 26 54.7–.30	50.37N	18.77E	2	2.6L		
PRU	I	16 22 26 55.2	50.37N	18.77E	0	2.6L		
IPEC	I	16 22 26 55.4–.60	50.35N	18.81E	3–2	1.6L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=2.8km az=11.0.
CSEM Event type ki. Error ellipse: s-maj=7.2km s-min=2.9km az=5.0.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=3.4km s-min=2.2km az=41.0.

(460) Wyoming

ISC	**I**	**17 16 03 33.4–.61**	**43.96N–.02**	**105.26W–.02**	**0**		**91**	**0-19**
ISCJB	I	17 16 03 33.1–.25	43.95N–.02	105.28W–.03	0			**¶12081547**
NEIC	I	17 16 03 33.9–.32	43.98N	105.18W	0	3.0L		
IDC	I	17 16 03 33.4–1.3	44.00N	105.48W	0	3.5,3.3		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.9km s-min=2.3km az=152.5.
NEIC Event type fm. Error ellipse: s-maj=4.5km s-min=4.0km az=198.0. 45 km [25 miles] SE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=30.0km s-min=9.3km az=147.0.

(460) Wyoming

ISC	**I**	**17 21 20 08.4–.54**	**43.77N–.02**	**105.34W–.02**	**0**	**4.0b**	**108**	**0-90**
ISCJB	I	17 21 20 08.1–.25	43.75N–.02	105.28W–.03	0	4.1b		**¶12081574**
NEIC	I	17 21 20 08.9–.30	43.81N	105.23W	0	3.4L		
IDC	I	17 21 20 09.1–.79	43.98N	105.72W	0	4.0b,3.9		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.8km s-min=2.5km az=156.4.
NEIC Event type fm. Error ellipse: s-maj=5.0km s-min=4.2km az=159.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.9km s-min=8.3km az=144.0.

(543) Germany

ISC	**I**	**17 23 38 50.4–.79**	**51.57N–.03**	**7.74E–.02**	**0**		**81**	**0-6**
BUG	I	17 23 38 49.9	51.66N	7.77E	1	2.1L		**¶11659143**
ISCJB	I	17 23 38 49.4–.39	51.54N–.02	7.75E–.04	0	2.1L		
CSEM	I	17 23 38 50.3–.26	51.58N	7.75E	1	2.1L		
BNS	I	17 23 38 51.0–.74	51.68N	7.67E	1	2.1L		
BGR	I	17 23 38 51.6–.39	51.63N	7.77E	1	2.3L		
LDG	I	17 23 38 51.6–.09	51.61N	7.72E	1	2.5L		

ISC Event type sr.
BUG Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.8km s-min=3.0km az=146.3.
CSEM Event type ki. Error ellipse: s-maj=5.3km s-min=4.5km az=111.0.
BNS Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=4.4km az=150.0.
LDG Event type sr. Error ellipse: s-maj=2.2km s-min=1.7km az=129.0. Suspected Mining induced.

(548) Poland

ISC	**I**	**18 06 55 17.7–1.3**	**51.42N–.06**	**16.09E–.03**	**0**		**38**	**1-5**
ISCJB	I	18 06 55 14.2–1.2	51.52N–.05	16.08E–.05	0			**¶11598170**
CSEM	I	18 06 55 16.3–.55	51.49N	16.10E	2	3.2L		
WAR	I	18 06 55 17.9	51.45N	16.12E		3.2L		
PRU	I	18 06 55 17.0	51.49N	16.10E	0	3.2L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.9km s-min=4.3km az=20.4.
CSEM Event type ki. Error ellipse: s-maj=9.1km s-min=4.9km az=178.0.
PRU Event type ki.

(383) Northwestern Balkan Peninsula

ISC	**I**	**18 14 05 42.9–.86**	**44.45N–.02**	**21.97E–.04**	**0**		**39**	**1-2**
ISCJB	I	18 14 05 43.0–.46	44.44N–.02	21.99E–.06	0			**¶14358311**
CSEM	I	18 14 05 43.9–.25	44.44N	21.97E	1	1.6L		
BEO	I	18 14 05 45.5–.40	44.41N	21.95E	12–6	1.6L		
BUC	I	18 14 05 49.0–1.4	44.67N	22.03E	16–19	2.5		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.7km s-min=2.9km az=10.0.
CSEM Event type sm. Error ellipse: s-maj=7.7km s-min=3.7km az=99.0. Suspected Mining explosion.
BEO Event type sm. Suspected Mining explosion.
BUC Event type ke. Error ellipse: s-maj=21.6km s-min=5.2km az=13.0.

(548) Poland

ISC	**I**	**19 02 17 17.9–1.1**	**51.48N–.05**	**16.11E–.03**	**0**		**68**	**1-4**
ISCJB	I	19 02 17 15.4–.62	51.50N–.03	16.07E–.03	0			**¶11617110**
CSEM	I	19 02 17 16.3–.22	51.54N	16.05E	2	3.3L		
PRU	I	19 02 17 17.6	51.50N	16.06E	0	3.3L		
IPEC	I	19 02 17 17.1–.41	51.54N	16.12E	8–1	1.9L		
WAR	I	19 02 17 19.4	51.44N	16.20E		1.9L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.7km s-min=2.7km az=22.1.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=2.8km az=25.0.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=0.9km az=23.0.

(548) Poland

ISC	**I**	**19 05 01 17.7–.59**	**51.49N–.02**	**16.14E–.02**	**0**	**3.5b**	**177**	**1-60**
ISCJB	I	19 05 01 15.7–.31	51.47N–.02	16.05E–.02	0	3.5b		**¶11617113**
CSEM	I	19 05 01 16.9–.14	51.51N	16.06E	2	3.8L		
IDC	I	19 05 01 17.6–.58	51.54N	15.94E	0	4.3s,4.3		
PRU	I	19 05 01 17.8	51.52N	16.10E	0	4.3s,4.3		
IPEC	I	19 05 01 17.5–.20	51.52N	16.13E	8–1	2.7L,4.3		
BGR	I	19 05 01 18.4–.23	51.46N	16.08E	1	3.3L,4.3		
WAR	I	19 05 01 19.8	51.44N	16.20E		3.3L,4.3		
VIE	I	19 05 01 20.6–.46	51.26N	16.05E	0	3.2L,2.9b		
LDG	I	19 05 01 21.4–.17	51.19N	15.81E	1	3.7L,2.9b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=2.5km s-min=2.0km az=19.6.
CSEM Event type ki. Error ellipse: s-maj=2.9km s-min=2.0km az=20.0.
IDC Error ellipse: s-maj=10.6km s-min=6.5km az=108.0.
PRU Event type ki. Felt In Harrachov.
IPEC Event type ki. Error ellipse: s-maj=1.3km s-min=0.6km az=38.0.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=3.0.

VIE Event type sr. Error ellipse: s-maj=3.0km s-min=2.6km az=164.0. 69 km WNW of Wroclaw . Suspected Mining induced.
LDG Event type sr. Error ellipse: s-maj=4.6km s-min=2.4km az=5.0. Suspected Mining induced.

(456) Montana

ISC	**I**	**19 21 42 07.3–.62**	**45.02N–.02**	**106.84W–.02**	**0**		**127**	**0-18**
ISCJB	I	19 21 42 07.6–.21	45.09N–.01	106.93W–.02	0			**¶12081805**
NEIC	I	19 21 42 07.4–.61	44.97N	106.78W	0	2.6L		
IDC	I	19 21 42 07.4–1.3	44.94N	106.79W	0	3.3L,3.3		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.7km az=167.8.
NEIC Event type fm. Error ellipse: s-maj=7.7km s-min=5.7km az=89.0. 25 km [15 miles] NNE of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=40.5km s-min=9.3km az=134.0.

(460) Wyoming

ISC	**I**	**19 22 17 41.4–.62**	**43.73N–.02**	**105.28W–.02**	**0**		**203**	**0-20**
IDC	I	19 22 17 39.8–1.8	43.44N	105.25W	0	3.7,3.4L		**¶12081806**
ISCJB	I	19 22 17 41.8–.18	43.77N–.01	105.34W–.02	0	3.7,3.4L		
NEIC	I	19 22 17 42.0–.44	43.80N	105.21W	0	3.1L,3.4L		

ISC Event type fm.
IDC Error ellipse: s-maj=41.1km s-min=9.0km az=151.0.
ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.6km az=163.2.
NEIC Event type fm. Error ellipse: s-maj=5.8km s-min=4.6km az=76.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**20 10 18 25.1–.83**	**59.32N–.02**	**27.00E–.04**	**0**		**54**	**1-10**
ISCJB	I	20 10 18 24.4–.65	59.36N–.03	27.03E–.09	0			**¶13433881**
CSEM	I	20 10 18 25.6–.31	59.33N	27.12E	1	2.3L		
NAO	I	20 10 18 25.9–1.1	59.31N	26.98E		2.3L		
HEL	I	20 10 18 25.6–.30	59.26N	27.21E	0	2.3L,1.9L		
BER	I	20 10 18 26.8–1.8	59.33N	27.00E	0	2.3L,1.9L		
IDC	I	20 10 18 28.0–1.9	59.45N	27.19E	0	3.3,3.3		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.4km s-min=3.6km az=11.7.
CSEM Event type km. Error ellipse: s-maj=8.1km s-min=4.2km az=95.0. Mining explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=3.3km s-min=14.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=16.2km s-min=9.6km az=129.0.

(548) Poland

ISC	**I**	**20 15 57 07.1–.78**	**50.24N–.03**	**18.90E–.02**	**0**		**57**	**1-4**
ISCJB	I	20 15 57 06.5–.53	50.31N–.04	18.82E–.03	0			**¶11617139**
CSEM	I	20 15 57 07.5–.24	50.30N	18.82E	2	2.9L		
IPEC	I	20 15 57 07.2–.20	50.25N	18.91E	3–1	2.3L		
WAR	I	20 15 57 07.1	50.23N	18.93E		2.3L		
PRU	I	20 15 57 08.1	50.29N	18.82E	0	2.3L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.4km s-min=2.6km az=12.1.
CSEM Event type ki. Error ellipse: s-maj=6.2km s-min=2.8km az=4.0.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=1.1km az=168.0.
PRU Event type ki.

(548) Poland

ISC	**I**	**21 12 01 50.0–1.3**	**51.47N–.06**	**16.19E–.03**	**0**		**40**	**1-3**
ISCJB	I	21 12 01 46.7–1.0	51.53N–.05	16.13E–.04	0			**¶11617160**
CSEM	I	21 12 01 48.9–.54	51.50N	16.11E	2	3.1L		
PRU	I	21 12 01 50.1	51.46N	16.12E	0	3.1L		
WAR	I	21 12 01 51.3	51.44N	16.20E		3.1L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.5km s-min=3.6km az=15.0.
CSEM Event type ki. Error ellipse: s-maj=8.8km s-min=4.5km az=3.0.
PRU Event type ki.

(460) Wyoming

ISC	**I**	**21 18 33 04.6–.65**	**43.51N–.02**	**105.36W–.02**	**0**		**157**	**0-20**
ISCJB	I	21 18 33 04.7–.18	43.52N–.01	105.36W–.02	0			**¶12081997**
IDC	I	21 18 33 04.4–2.2	43.48N	105.42W	0	3.6,3.3		
NEIC	I	21 18 33 05.1–.34	43.57N	105.26W	0	3.2L,3.3		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.6km az=173.4.
IDC Error ellipse: s-maj=45.2km s-min=9.6km az=152.0.
NEIC Event type fm. Error ellipse: s-maj=5.0km s-min=4.4km az=173.0. 85 km [50 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**I**	**21 21 17 53.4–.57**	**43.71N–.02**	**105.35W–.02**	**0**	**3.9b**	**224**	**0-90**
NEIC	I	21 21 17 53.5–.42	43.62N	105.22W	0	3.3L		**¶12082007**
IDC	I	21 21 17 53.2–1.8	43.60N	105.37W	0	4.0b,3.9		
ISCJB	I	21 21 17 54.1–.18	43.77N–.01	105.39W–.02	0	4.0b,3.9		

ISC Event type fm.
NEIC Event type fm. 80 km [50 miles] SSE of Gillette. Suspected Mining explosion.
ISCJB Event type fm.

(548) Poland

ISC	**I**	**21 23 07 06.1–.59**	**51.47N–.02**	**16.16E–.02**	**0**	**3.4b**	**241**	**1-60**
ISCJB	I	21 23 07 04.5–.27	51.43N–.02	16.08E–.02	0	3.3b		**¶11617174**
CSEM	I	21 23 07 05.5–.13	51.51N	16.12E	2	3.7L,3.7s		
IDC	I	21 23 07 06.5–.56	51.46N	16.00E	0	3.6,3.5		
BGR	I	21 23 07 06.3–.21	51.53N	16.13E	1	3.3L,3.5		
IPEC	I	21 23 07 06.0–.33	51.51N	16.57E	0	2.9L,3.5		
WAR	I	21 23 07 07.8	51.44N	16.20E		2.9L,3.5		
VIE	I	21 23 07 08.2–.42	51.30N	16.04E	0	3.7s,3.3L		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=2.4km s-min=1.6km az=16.3.
CSEM Event type ki. Error ellipse: s-maj=2.7km s-min=1.7km az=14.0.
IDC Error ellipse: s-maj=10.3km s-min=6.0km az=106.0.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=13.0.
IPEC Event type ki. Error ellipse: s-maj=3.1km s-min=1.9km az=97.0.
VIE Event type sr. Error ellipse: s-maj=2.8km s-min=1.9km az=5.0. 71 km WNW of Wroclaw . Suspected Mining induced.

(721) Finland

HEL	**I**	**22 12 30 34.6–.10**	**61.64N**	**27.33E**	**0**	**0.6L**		
CSEM	I	22 12 30 34.6	61.64N	27.33E	0	0.6L		**¶14340111**

HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.8km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(548) Poland

ISC	**I**	**23 08 48 14.7–1.1**	**51.47N–.05**	**16.13E–.02**	**0**		**82**	**1-5**
ISCJB	I	23 08 48 12.6–.62	51.46N–.03	16.16E–.03	0			**¶11617497**
CSEM	I	23 08 48 13.7–.28	51.50N	16.11E	2	3.6L		
PRU	I	23 08 48 15.4	51.45N	16.13E	0	3.6L		
WAR	I	23 08 48 15.6	51.47N	16.15E		3.6L		
VIE	I	23 08 48 16.8–.56	51.24N	16.20E	0	2.9L,2.4b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.8km s-min=2.8km az=20.0.
CSEM Event type ki. Error ellipse: s-maj=4.7km s-min=3.8km az=16.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.6km s-min=3.2km az=2.0. 58 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC	**I**	**23 11 43 30.1–.97**	**50.25N–.04**	**18.68E–.02**	**0**		**31**	**1-3**
ISCJB	I	23 11 43 29.3–.68	50.31N–.04	18.68E–.04	0			**¶11617499**
CSEM	I	23 11 43 29.9–.29	50.33N	18.69E	2	2.6L		
PRU	I	23 11 43 30.8	50.33N	18.68E	0	2.6L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.4km s-min=3.2km az=10.9.
CSEM Event type ki. Error ellipse: s-maj=6.7km s-min=2.8km az=2.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**23 12 22 19.0–1.6**	**67.62N–.04**	**34.17E–.08**	**0**		**59**	**0-12**
ISCJB	I	23 12 22 19.1–1.1	67.70N–.04	34.0E–.20	0			**¶13433946**
NAO	I	23 12 22 21.7–1.2	67.70N	33.89E		2.8L		
HEL	I	23 12 22 21.3–.20	67.67N	34.01E	0	2.8L,2.8L		
CSEM	I	23 12 22 21.7–.40	67.64N	33.86E	1	2.8L,2.8L		
IDC	I	23 12 22 23.8–2.8	67.70N	33.67E	0	3.5,3.5		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=8.6km s-min=5.7km az=5.5.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. Suspected explosion.
CSEM Event type sm. Error ellipse: s-maj=8.0km s-min=4.3km az=80.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=31.5km s-min=9.6km az=74.0.

(548) Poland

ISC	**I**	**23 18 14 00.1–.66**	**50.10N–.03**	**19.07E–.01**	**0**		**105**	**0-20**
WAR	I	23 18 14 00.8	50.07N	19.10E				**¶11617506**
ISCJB	I	23 18 14 00.4–.37	50.09N–.03	18.94E–.02	0			
CSEM	I	23 18 14 01.8–.24	50.06N	18.94E	2	3.1L		
IDC	I	23 18 14 01.3–2.2	49.94N	19.11E	0	3.6,3.5		
PRU	I	23 18 14 02.0	50.11N	18.97E	0	3.6,3.5		
VIE	I	23 18 14 04.1–.69	49.86N	18.86E	0	2.7L,2.5b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.7km s-min=2.1km az=11.4.
CSEM Event type ki. Error ellipse: s-maj=5.9km s-min=3.0km az=13.0.
IDC Error ellipse: s-maj=40.0km s-min=11.1km az=140.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.6km s-min=4.1km az=168.0. 44 km SSW of Katowice . Suspected Mining induced.

(460) Wyoming

ISC	**I**	**23 19 14 57.6–.74**	**43.69N–.03**	**105.28W–.04**	**0**		**49**	**0-61**
IDC	I	23 19 14 49.9–3.0	42.65N	105.09W	0	3.9,3.7		**¶12082156**
ISCJB	I	23 19 14 57.0–.40	43.65N–.03	105.28W–.04	0	4.5b,3.7		
NEIC	I	23 19 14 58.1–.46	43.69N	105.28W	0	3.1L,3.7		

ISC Event type fm.
IDC Error ellipse: s-maj=57.6km s-min=9.1km az=163.0.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=3.7km az=20.4.
NEIC Event type fm. Error ellipse: s-maj=6.6km s-min=5.9km az=151.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**I**	**24 07 30 23.8–1.2**	**51.50N–.05**	**16.12E–.03**	**0**		**47**	**1-3**
ISCJB	I	24 07 30 22.1–.85	51.47N–.04	16.11E–.04	0			**¶11617518**
CSEM	I	24 07 30 23.6–.53	51.47N	16.08E	2	3.2L		
PRU	I	24 07 30 24.6	51.45N	16.11E	0	3.2L		
WAR	I	24 07 30 25.1	51.45N	16.13E		3.2L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.4km s-min=3.3km az=17.5.
CSEM Event type ki. Error ellipse: s-maj=9.2km s-min=4.8km az=6.0.
PRU Event type ki.

(548) Poland

ISC	**I**	**24 15 22 49.0–.79**	**50.26N–.04**	**18.85E–.02**	**0**		**57**	**1-4**
ISCJB	I	24 15 22 48.6–.49	50.25N–.04	18.78E–.03	0			**¶11617524**
WAR	I	24 15 22 49.1	50.25N	18.88E				
CSEM	I	24 15 22 49.4–.27	50.26N	18.79E	2	2.7L		
IPEC	I	24 15 22 49.3–.22	50.25N	18.87E	3–2	1.9L		
PRU	I	24 15 22 50.0	50.27N	18.78E	0	1.9L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.3km s-min=2.6km az=9.7.
CSEM Event type ki. Error ellipse: s-maj=7.1km s-min=3.2km az=6.0.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=1.1km az=167.0.
PRU Event type ki.

(548) Poland

WAR	**I**	**24 18 41 24.3**	**51.45N**	**16.13E**				
PRU	I	24 18 41 22.6	51.51N	16.21E	0			**¶11617527**
CSEM	I	24 18 41 24.8	51.44N	16.20E	0	3.9L		

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.

(460) Wyoming

ISC	**I**	**24 21 03 50.0–.57**	**43.65N–.02**	**105.31W–.02**	**0**		**128**	**0-62**
IDC	I	24 21 03 47.3–2.4	43.28N	105.22W	0	3.8,3.7L		**¶12082250**
ISCJB	I	24 21 03 49.6–.23	43.66N–.02	105.27W–.02	0	3.5b,3.7L		
NEIC	I	24 21 03 50.7–.30	43.69N	105.20W	0	3.3L,3.7L		

ISC Event type fm.
IDC Error ellipse: s-maj=51.8km s-min=8.0km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.6km s-min=2.2km az=172.1.
NEIC Event type fm. Error ellipse: s-maj=4.2km s-min=3.7km az=148.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**25 09 14 55.5–1.6**	**67.57N–.04**	**33.98E–.09**	**0**		**48**	**0-12**
ISCJB	I	25 09 14 56.5–1.4	67.52N–.04	33.8E–.20	10			**¶13433994**
CSEM	I	25 09 14 56.3–.59	67.80N	33.86E	2	2.7L		
HEL	I	25 09 14 58.1–.30	67.67N	33.81E	0	2.7L,2.3L		
NAO	I	25 09 14 58.1–1.2	67.63N	33.76E		2.7L,2.3L		
IDC	I	25 09 15 00.3–2.3	67.68N	33.53E	0	3.4,3.4		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=11.6km s-min=6.1km az=174.9.
CSEM Event type km. Error ellipse: s-maj=12.0km s-min=6.9km az=88.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=22.2km s-min=9.5km az=80.0.

(460) Wyoming

ISC	**I**	**26 21 07 33.7–.55**	**43.66N–.01**	**105.23W–.02**	**0**		**276**	**0-68**
IDC	I	26 21 07 32.2–1.8	43.48N	105.31W	0	4.0b,3.9		**¶12082413**
ISCJB	I	26 21 07 33.5–.15	43.699N–.01	105.27W–.02	0	4.1b,3.9		
NEIC	I	26 21 07 34.1–.32	43.66N	105.18W	0	3.4L,3.9		

ISC Event type fm.
IDC Error ellipse: s-maj=46.2km s-min=7.1km az=151.0.
ISCJB Event type fm. Error ellipse: s-maj=1.6km s-min=1.4km az=159.2.
NEIC Event type fm. Error ellipse: s-maj=4.8km s-min=4.2km az=171.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**I**	**26 21 11 20.7–.72**	**41.71N–.02**	**110.61W–.02**	**0**		**65**	**0-21**
ISCJB	I	26 21 11 20.5–.25	41.70N–.02	110.62W–.02	0			**¶12082414**
NEIC	I	26 21 11 20.4–.88	41.70N	110.61W	0	2.0L		
IDC	I	26 21 11 21.2–1.9	41.85N	110.51W	0	3.3,3.1s		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=2.1km az=160.8.
NEIC Event type fm. Error ellipse: s-maj=16.2km s-min=6.0km az=116.0. 55 km [35 miles] NNE of Evanston. Suspected Mining explosion.
IDC Error ellipse: s-maj=42.9km s-min=12.6km az=138.0.

(547) Czech and Slovak Republics

CSEM	**I**	**26 21 38 15.9–.23**	**49.82N**	**18.57E**	**1**	**0.9L**		
IPEC	I	26 21 38 16.5–.17	49.84N	18.58E	10–1	0.9L		**¶11656110**
PRU	I	26 21 38 16.9	49.81N	18.55E	0	0.9L		

CSEM Event type ki. Error ellipse: s-maj=6.5km s-min=3.9km az=175.0.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=165.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**27 10 19 47.5–1.1**	**59.32N–.03**	**27.25E–.06**	**0**		**45**	**1-10**
ISCJB	I	27 10 19 47.1–.67	59.32N–.03	27.09E–.08	0			**¶13434028**
HEL	I	27 10 19 47.8–.60	59.28N	27.28E	0	1.8L		
NAO	I	27 10 19 48.2–1.0	59.31N	26.84E		2.2L		
CSEM	I	27 10 19 48.5–.43	59.31N	27.11E	1	2.3L		
IDC	I	27 10 19 50.6–2.6	59.43N	26.93E	0	3.3,3.1L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.1km s-min=4.0km az=10.0.
HEL Event type kh. Error ellipse: s-maj=2.5km s-min=6.0km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=10.6km s-min=6.4km az=103.0. Mining explosion.
IDC Error ellipse: s-maj=21.1km s-min=13.0km az=127.0.

(721) Finland

HEL	**I**	**27 11 58 47.6–.10**	**60.24N**	**22.09E**	**0**	**1.3L**		
CSEM	I	27 11 58 47.6	60.24N	22.09E	0	1.4L		**¶14340244**

HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(721) Finland

HEL	**I**	**27 11 59 33.4–.10**	**64.14N**	**28.08E**	**0**	**1.2L**		
CSEM	I	27 11 59 33.4	64.14N	28.08E	0	1.2L		**¶14340245**

HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.3km az=-1.0. Explosion.

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(548) Poland

ISC	**I**	**27 13 39 11.7–.67**	**50.24N–.03**	**18.88E–.02**	**0**		**122**	**0-20**
ISCJB	I	27 13 39 10.8–.38	50.30N–.03	18.83E–.03	0			**¶11656131**
WAR	I	27 13 39 12.9	50.23N	18.92E				
CSEM	I	27 13 39 12.4–.15	50.26N	18.84E	2	2.6L		
IPEC	I	27 13 39 12.8–.15	50.25N	18.88E	3–1	2.6L		
IDC	I	27 13 39 13.8–2.2	50.20N	18.79E	0	3.5,3.4		
BGR	I	27 13 39 13.2–2.1	49.87N	18.70E	1	3.4L,3.4		
VIE	I	27 13 39 17.9–.77	49.76N	18.71E	0	3.0L,2.1b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.2km s-min=2.2km az=13.4.
CSEM Event type ki. Error ellipse: s-maj=4.3km s-min=2.0km az=9.0.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=0.8km az=167.0.
IDC Error ellipse: s-maj=40.2km s-min=8.6km az=132.0.
BGR Event type ki. Error ellipse: s-maj=21.1km s-min=11.1km az=53.0.
VIE Event type sr. Error ellipse: s-maj=5.4km s-min=5.0km az=160.0. 34 km ESE of Ostrava . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**27 14 24 04.9–.79**	**59.57N–.03**	**22.19E–.03**	**0**		**55**	**1-10**
ISCJB	I	27 14 24 04.6–.49	59.55N–.03	22.11E–.06	0			**¶13434033**
CSEM	I	27 14 24 05.8–.25	59.54N	22.17E	2	2.0L		
NAO	I	27 14 24 05.9–1.2	59.57N	22.30E		2.2L		
HEL	I	27 14 24 06.4–.30	59.51N	22.14E	0	2.2L,2.0L		
BER	I	27 14 24 06.6–4.5	59.56N	22.26E	0	2.2L,2.0L		
IDC	I	27 14 24 07.4–1.9	59.60N	22.14E	0	3.0,2.9		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.3km s-min=3.9km az=153.0.
CSEM Event type km. Error ellipse: s-maj=5.3km s-min=5.2km az=48.0. Mining explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=1.8km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=14.0km s-min=16.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=24.5km s-min=7.7km az=165.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**27 14 27 20.9–.76**	**59.56N–.03**	**22.21E–.02**	**0**		**82**	**1-10**
ISCJB	I	27 14 27 20.8–.35	59.57N–.03	22.23E–.04	0			**¶13434034**
NAO	I	27 14 27 20.9–1.0	59.47N	22.40E		2.4L		
CSEM	I	27 14 27 21.7–.23	59.59N	22.26E	2	2.0L		
BER	I	27 14 27 22.6–3.8	59.53N	22.24E	0	2.4L		
HEL	I	27 14 27 23.2	59.54N	22.33E	0	1.9L		
IDC	I	27 14 27 23.1–1.9	59.68N	22.21E	0	3.2,3.1		
UPP	I	27 14 27 25.7	59.63N	21.66E	0	2.4L,3.1		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.9km s-min=3.0km az=161.0.
CSEM Event type km. Error ellipse: s-maj=6.8km s-min=4.2km az=164.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=13.2km s-min=13.7km az=-1.0. Suspected explosion.
HEL Event type kh. Explosion.
IDC Error ellipse: s-maj=23.3km s-min=6.4km az=162.0.
UPP Event type sm. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**27 15 17 05.3–.80**	**59.58N–.03**	**22.16E–.03**	**0**		**71**	**1-10**
ISCJB	I	27 15 17 05.2–.38	59.56N–.03	22.14E–.05	0			**¶13434036**
IDC	I	27 15 17 05.3–1.1	59.42N	22.30E	0	3.1,3.0		
BER	I	27 15 17 06.9–3.1	59.56N	22.29E	0	2.2L,3.0		
CSEM	I	27 15 17 06.2–.22	59.59N	22.17E	2	1.8L,3.0		
NAO	I	27 15 17 06.2–1.3	59.55N	22.31E		2.2L,3.0		
HEL	I	27 15 17 07.5	59.59N	22.28E	0	1.8L,3.0		
UPP	I	27 15 17 09.9	59.69N	21.59E	0	1.9L,3.0		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.3km s-min=3.2km az=151.6.
IDC Error ellipse: s-maj=13.1km s-min=8.5km az=164.0.
BER Event type sh. Error ellipse: s-maj=10.8km s-min=11.9km az=-1.0. Suspected explosion.
CSEM Event type km. Error ellipse: s-maj=6.3km s-min=4.1km az=160.0. Mining explosion.
HEL Event type kh. Explosion.
UPP Event type km. Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**27 15 19 49.4–.69**	**59.52N–.03**	**22.13E–.03**	**0**		**74**	**1-19**
ISCJB	I	27 15 19 49.6–.37	59.56N–.03	22.19E–.05	0			**¶13434037**
HEL	I	27 15 19 50.7–.10	59.52N	22.17E	0	2.3L,2.1L		
NAO	I	27 15 19 51.2–1.3	59.60N	22.38E		2.1L,2.1L		
CSEM	I	27 15 19 51.0–.21	59.57N	22.11E	1	1.9L,2.1L		
IDC	I	27 15 19 51.2–2.1	59.54N	22.23E	0	3.0,2.9		
BER	I	27 15 19 52.0–3.1	59.61N	22.36E	0	2.1L,2.9		
UPP	I	27 15 19 54.6	59.66N	21.58E	0	2.3L,2.9		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.1km s-min=3.5km az=4.9.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=6.4km s-min=4.2km az=163.0. Mining explosion.
IDC Error ellipse: s-maj=25.9km s-min=8.3km az=164.0.
BER Event type sh. Error ellipse: s-maj=9.7km s-min=13.8km az=-1.0. Suspected explosion.
UPP Event type km. Mining explosion.

(547) Czech and Slovak Republics

ISC	**I**	**27 16 53 12.6–.72**	**49.85N–.02**	**18.48E–.02**	**0**		**121**	**0-5**
BGR	I	27 16 53 09.1–1.2	49.82N	18.70E	1	3.1L		**¶11656133**
ISCJB	I	27 16 53 11.1–.35	49.89N–.02	18.37E–.02	0	3.1L		
IPEC	I	27 16 53 12.8–.18	49.81N	18.54E	3–1	2.2L		
VIE	I	27 16 53 12.5–.72	49.66N	18.52E	0	2.6L,2.1b		
CSEM	I	27 16 53 12.5–.20	49.86N	18.43E	2	2.9L,2.1b		
PRU	I	27 16 53 14.1	49.87N	18.41E	0	2.9L,2.1b		

ISC Event type ki.
BGR Event type ki. Error ellipse: s-maj=10.0km s-min=8.9km az=7.0.
ISCJB Event type sr. Error ellipse: s-maj=3.5km s-min=2.1km az=17.8.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=161.0.
VIE Event type sr. Error ellipse: s-maj=5.0km s-min=3.7km az=104.0. 27 km SE of Ostrava . Suspected Mining induced.
CSEM Event type ki. Error ellipse: s-maj=4.7km s-min=3.0km az=21.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**28 10 10 41.5–.74**	**59.31N–.02**	**27.08E–.04**	**0**		**65**	**1-10**
ISCJB	I	28 10 10 41.5–.66	59.30N–.03	27.00E–.08	0			**¶13434056**
CSEM	I	28 10 10 42.7–.28	59.30N	27.01E	2	2.5L		
NAO	I	28 10 10 42.0–1.1	59.30N	27.18E		2.5L		
HEL	I	28 10 10 43.2–.20	59.32N	27.15E	0	2.5L,1.9L		
BER	I	28 10 10 44.0–4.0	59.28N	27.03E	0	2.5L,1.9L		
IDC	I	28 10 10 46.5–2.2	59.54N	26.93E	0	3.2,3.1		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.2km s-min=4.0km az=13.8.
CSEM Event type km. Error ellipse: s-maj=6.9km s-min=4.0km az=102.0. Mining explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=7.9km s-min=27.2km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=19.2km s-min=11.2km az=123.0.

(548) Poland

ISC	**I**	**28 18 28 04.7–1.1**	**50.29N–.07**	**18.70E–.03**	**0**		**22**	**1-2**
ISCJB	I	28 18 28 04.0–.82	50.33N–.06	18.68E–.04	0			**¶11656178**
IPEC	I	28 18 28 04.8–.18	50.28N	18.72E	0	1.4L		
CSEM	I	28 18 28 04.8–.20	50.28N	18.70E	2	2.5L		
WAR	I	28 18 28 04.7	50.27N	18.76E		2.5L		
PRU	I	28 18 28 05.3	50.33N	18.68E	0	2.5L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.1km s-min=3.8km az=1.8.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=165.0.
CSEM Event type ki. Error ellipse: s-maj=5.1km s-min=2.9km az=171.0.
PRU Event type ki.

(460) Wyoming

ISC	**I**	**29 19 05 44.4–.62**	**43.66N–.02**	**105.29W–.02**	**0**		**151**	**0-61**
IDC	I	29 19 05 42.4–2.5	43.38N	105.24W	0	4.2b,4.0		**¶12082686**
ISCJB	I	29 19 05 44.4–.18	43.67N–.01	105.28W–.02	0	4.3b,4.0		
NEIC	I	29 19 05 44.7–.43	43.68N	105.21W	0	3.2L,4.0		

ISC Event type fm.
IDC Error ellipse: s-maj=57.3km s-min=8.7km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.8km az=168.6.
NEIC Event type fm. Error ellipse: s-maj=6.9km s-min=5.0km az=140.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**I**	**30 01 18 53.9–.76**	**50.33N–.04**	**18.83E–.02**	**0**		**60**	**0-20**
ISCJB	I	30 01 18 52.5–.55	50.50N–.03	18.82E–.04	0			**¶11660371**
CSEM	I	30 01 18 54.1–.46	50.47N	18.78E	2	2.9L		
IPEC	I	30 01 18 54.7–.23	50.39N	18.86E	0–1	2.2L		
WAR	I	30 01 18 54.3	50.36N	18.88E		2.2L		
PRU	I	30 01 18 55.0	50.38N	18.82E	0	2.2L		
IDC	I	30 01 18 55.1–2.5	50.16N	19.00E	0	3.7,3.7		
VIE	I	30 01 18 58.0–1.1	49.90N	18.91E	0	2.5L,1.9b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.9km s-min=3.3km az=6.0.
CSEM Event type ki. Error ellipse: s-maj=10.7km s-min=5.5km az=177.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.2km az=170.0.
PRU Event type ki.
IDC Error ellipse: s-maj=49.0km s-min=10.2km az=136.0.
VIE Event type sr. Error ellipse: s-maj=10.6km s-min=6.1km az=145.0. 39 km S of Katowice . Suspected Mining induced.

(548) Poland

ISC	**I**	**30 07 28 51.2–1.3**	**51.45N–.07**	**16.08E–.03**	**0**		**46**	**1-4**
ISCJB	I	30 07 28 48.6–.79	51.44N–.04	16.03E–.04	0			**¶11660375**
CSEM	I	30 07 28 49.1–.48	51.51N	16.03E	2	3.2L		
PRU	I	30 07 28 50.0	51.50N	16.04E	0	3.2L		
VIE	I	30 07 28 52.0–.48	51.30N	16.08E	0	2.6L,2.1b		
WAR	I	30 07 28 52.1	51.44N	16.20E		2.6L,2.1b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.8km s-min=3.2km az=16.2.
CSEM Event type ki. Error ellipse: s-maj=7.7km s-min=4.4km az=3.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.9km s-min=2.6km az=177.0. 69 km WNW of Wroclaw . Suspected Mining induced.

(723) Finland-Karelia border region

ISC	**I**	**30 10 00 51.1–1.1**	**64.74N–.03**	**30.73E–.06**	**0**		**47**	**1-10**
IDC	I	30 10 00 51.8–2.2	64.61N	31.07E	0	3.2,3.2		**¶12082733**
CSEM	I	30 10 00 51.3	64.74N	30.84E	0	1.8L,3.2		
HEL	I	30 10 00 51.3–.40	64.74N	30.84E	0	1.8L,3.2		

ISC Event type km.
IDC Error ellipse: s-maj=29.1km s-min=8.3km az=105.0.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=7.5km az=-1.0. Explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**I**	**30 10 05 44.9–.84**	**59.34N–.02**	**27.04E–.04**	**0**		**60**	**1-10**
ISCJB	I	30 10 05 43.9–.73	59.34N–.03	27.13E–.09	0			**¶13434079**
CSEM	I	30 10 05 45.4–.27	59.33N	27.14E	2	2.4L		
BER	I	30 10 05 46.7–3.2	59.30N	27.21E	0	2.4L		
NAO	I	30 10 05 46.0–1.1	59.30N	27.09E		2.4L		
HEL	I	30 10 05 46.3–.40	59.29N	27.18E	0	2.4L,1.9L		
IDC	I	30 10 05 47.8–2.0	59.38N	27.17E	0	3.1,3.0		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.8km s-min=3.7km az=10.2.
CSEM Event type km. Error ellipse: s-maj=6.2km s-min=3.0km az=97.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=6.6km s-min=23.5km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=17.0km s-min=9.6km az=127.0.

(548) Poland

WAR	**I**	**30 14 14 30.9**	**50.12N**	**19.21E**				
CSEM	I	30 14 14 27.6–2.5	50.40N	19.18E	1			**¶11660379**
PRU	I	30 14 14 30.2	50.30N	19.11E	0			

CSEM Event type ki. Error ellipse: s-maj=38.2km s-min=37.2km az=163.0.
PRU Event type ki.

(460) Wyoming

ISC	**I**	**30 15 45 05.1–.74**	**43.72N–.02**	**105.31W–.03**	**0**		**94**	**0-20**
IDC	I	30 15 45 03.4–2.4	43.33N	105.28W	0	3.5,3.2		**¶12082747**
ISCJB	I	30 15 45 04.0–.26	43.71N–.02	105.27W–.03	0	3.5,3.2		
NEIC	I	30 15 45 05.7–.73	43.67N	105.22W	0	2.8L,3.2		

ISC Event type fm.
IDC Error ellipse: s-maj=50.9km s-min=9.0km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=3.2km s-min=2.6km az=173.3.
NEIC Event type fm. Error ellipse: s-maj=12.1km s-min=8.3km az=143.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

WAR	**I**	**30 16 34 42.1**	**51.44N**	**16.20E**				
CSEM	I	30 16 34 40.2–1.0	51.49N	16.14E	1	2.8L		**¶11660381**
PRU	I	30 16 34 41.9	51.43N	16.14E	0	2.8L		

CSEM Event type ki. Error ellipse: s-maj=15.5km s-min=7.8km az=16.0.
PRU Event type ki.

(536) Sweden

ISC	**I**	**30 17 59 45.9–.69**	**67.05N–.02**	**21.01E–.02**	**0**		**109**	**1-8**
ISCJB	I	30 17 59 46.1–.34	66.99N–.02	21.08E–.08	0			**¶13434083**
UPP	I	30 17 59 46.1	67.07N	21.00E	0	1.9L		
IDC	I	30 17 59 47.1–.91	67.02N	21.17E	0	2.9,2.9		
NAO	I	30 17 59 47.1–1.0	67.06N	21.32E		2.3L,2.9		
HEL	I	30 17 59 47.5–.20	67.05N	21.00E	0	2.0L,1.9L		
CSEM	I	30 17 59 47.6–.15	66.99N	21.13E	2	2.0L,1.9L		
BER	I	30 17 59 50.1–3.4	67.01N	21.16E	0	2.3L,1.9L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.3km s-min=3.4km az=6.4.
UPP Event type km. Mining explosion.
IDC Error ellipse: s-maj=17.0km s-min=7.9km az=117.0.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=3.9km s-min=3.3km az=122.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=6.7km s-min=21.0km az=-1.0. Suspected explosion.

(548) Poland

PRU	**I**	**30 20 20 53.7**	**51.52N**	**16.03E**	**0**			
CSEM	I	30 20 20 53.7	51.52N	16.03E	0	4.5L		**¶11660382**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.

(536) Sweden

ISC	**I**	**31 01 53 39.5–.77**	**67.77N–.03**	**20.13E–.05**	**0**		**51**	**1-8**
ISCJB	I	31 01 53 38.8–.50	67.68N–.03	20.50E–.08	0			**¶13434086**
CSEM	I	31 01 53 41.2–.22	67.76N	20.56E	2	2.2L		
NAO	I	31 01 53 41.7–1.1	67.79N	20.61E		2.3L		
HEL	I	31 01 53 42.1–.10	67.82N	20.48E	1	2.3L,2.2L		
IDC	I	31 01 53 42.2–1.1	67.80N	20.55E	0	3.2,3.1		
BER	I	31 01 53 43.2–3.8	67.86N	20.13E	0	2.3L,2.1L		

ISC Event type si.
ISCJB Event type sh. Error ellipse: s-maj=4.8km s-min=3.6km az=23.4.
CSEM Event type si. Error ellipse: s-maj=5.5km s-min=3.8km az=91.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
HEL Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
IDC Error ellipse: s-maj=18.2km s-min=7.9km az=118.0.
BER Event type sh. Error ellipse: s-maj=7.1km s-min=27.3km az=-1.0. Suspected explosion.

(366) Turkey

ISC	**II**	**01 14 17 42.6–.84**	**37.24N–.03**	**28.18E–.03**	**0**		**29**	**0-2**
ISK	II	01 14 17 42.2	37.27N	28.21E	3	2.6		**¶13434149**
DDA	II	01 14 17 42.1	37.22N	28.17E	7	2.9		
ISCJB	II	01 14 17 43.0–.54	37.24N–.03	28.21E–.04	0	2.9		
CSEM	II	01 14 17 43.2–.20	37.24N	28.21E	2	2.9		

ISC Event type ki.
DDA Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.8km s-min=4.5km az=137.3.
CSEM Event type ki. Error ellipse: s-maj=4.4km s-min=3.8km az=48.0.

(547) Czech and Slovak Republics

PRU	**II**	**02 01 31 34.9**	**49.84N**	**18.52E**	**0**			
								¶11667223

PRU Event type ki.
(548) Poland
ISC II 02 21 18 06.2–.84 51.57N–.03 16.10E–.02 0 79 1-5
ISCJB II 02 21 18 05.5–.62 51.48N–.03 16.14E–.03 0 ¶11667236
CSEM II 02 21 18 06.2–.23 51.56N 16.09E 2 3.3L
PRU II 02 21 18 07.9 51.50N 16.11E 0 3.3L
WAR II 02 21 18 09.3 51.45N 16.12E 3.3L
VIE II 02 21 18 09.2–.56 51.33N 16.09E 0 2.7L,2.3b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.6km s-min=2.6km az=18.3.
CSEM Event type ki. Error ellipse: s-maj=4.0km s-min=3.2km az=22.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.7km s-min=3.3km az=148.0. 69 km WNW of Wroclaw . Suspected Mining induced.
(724) Baltic States - Belarus - Northwestern Russia
ISC II 03 10 30 19.0–.73 59.34N–.02 26.94E–.03 0 77 1-10
ISCJB II 03 10 30 17.3–.53 59.32N–.02 27.08E–.08 0 ¶13434217
HEL II 03 10 30 18.9–.50 59.27N 27.27E 0 2.3L,1.9L
NAO II 03 10 30 18.9–1.0 59.31N 27.06E 2.3L,1.9L
BER II 03 10 30 19.6–3.0 59.32N 27.20E 0 2.3L,1.9L
CSEM II 03 10 30 19.2–.31 59.33N 27.07E 2 1.9L,1.9L
IDC II 03 10 30 21.2–1.1 59.40N 27.13E 0 3.3,3.3
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.6km s-min=3.0km az=179.8.
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=5.8km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=5.4km s-min=18.0km az=-1.0. Suspected explosion.
CSEM Event type km. Error ellipse: s-maj=7.9km s-min=4.3km az=96.0. Mining explosion.
IDC Error ellipse: s-maj=12.6km s-min=8.1km az=84.0.
(366) Turkey
ISC II 03 17 54 27.5–.82 39.46N 28.12E–.01 0 46 0-2
ISK II 03 17 54 27.2 39.50N 28.18E 5 2.7 ¶13434230
DDA II 03 17 54 27.6 39.45N 28.15E 7 2.8
CSEM II 03 17 54 27.8–.18 39.46N 28.15E 1 2.7
ISC Event type kh.
DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=4.3km s-min=2.9km az=48.0.
(548) Poland
ISC II 03 18 53 32.0–.74 50.04N–.03 18.45E–.02 0 79 0-4
ISCJB II 03 18 53 30.7–.41 50.06N–.03 18.36E–.03 0 ¶11667261
CSEM II 03 18 53 31.6–.22 50.07N 18.42E 1 3.0L
VIE II 03 18 53 32.6–.39 49.66N 18.53E 0 2.7L,1.9b
WAR II 03 18 53 32.5 50.04N 18.46E 2.7L,1.9b
IPEC II 03 18 53 32.4–.13 50.07N 18.44E 8–1 2.3L,1.9b
PRU II 03 18 53 33.1 50.03N 18.37E 0 2.3L,1.9b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.0km s-min=2.4km az=16.8.
CSEM Event type ki. Error ellipse: s-maj=5.4km s-min=3.0km az=7.0.
VIE Event type sr. Error ellipse: s-maj=2.7km s-min=1.7km az=79.0. 28 km SE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=0.7km az=162.0.
PRU Event type ki.
(460) Wyoming
ISC II 03 22 06 16.3–.62 43.76N–.02 105.37W–.02 0 242 0-20
ISCJB II 03 22 06 15.5–.16 43.76N–.01 105.31W–.02 0 ¶12699498
NEIC II 03 22 06 15.6–.45 43.87N 105.35W 0 3.3L
IDC II 03 22 06 16.8–1.6 43.84N 105.62W 0 3.5,3.3
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.7km az=160.2.
NEIC Event type fm. Error ellipse: s-maj=6.9km s-min=5.0km az=7.0. 50 km [30 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=49.1km s-min=8.3km az=147.0.
(548) Poland
ISC II 04 01 50 23.6–.80 50.07N–.03 18.43E–.02 0 54 0-4
ISCJB II 04 01 50 21.9–.49 50.14N–.03 18.40E–.03 0 ¶11667273
CSEM II 04 01 50 22.9–.20 50.11N 18.42E 1 2.5L
IPEC II 04 01 50 23.6–.17 50.08N 18.47E 3–2 1.8L
WAR II 04 01 50 23.8 50.08N 18.45E 1.8L
VIE II 04 01 50 24.9–.82 49.69N 18.48E 0 2.1L,1.6b
PRU II 04 01 50 24.0 50.09N 18.41E 0 2.1L,1.6b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.8km s-min=2.8km az=12.3.
CSEM Event type ki. Error ellipse: s-maj=4.8km s-min=2.4km az=5.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
VIE Event type sr. Error ellipse: s-maj=5.5km s-min=3.8km az=111.0. 23 km SE of Ostrava . Suspected Mining induced.
PRU Event type ki.
(724) Baltic States - Belarus - Northwestern Russia
ISC II 04 09 59 05.6–.98 59.30N–.02 26.99E–.05 0 37 1-7
ISCJB II 04 09 59 04.8–.83 59.30N–.03 27.1E–.10 0 ¶13434241
NAO II 04 09 59 05.2–1.2 59.31N 26.78E 2.1L
CSEM II 04 09 59 05.5–.43 59.29N 27.06E 1 1.6L
BER II 04 09 59 06.9–2.0 59.31N 26.94E 0 2.1L
HEL II 04 09 59 06.5–.10 59.30N 27.08E 0 2.1L,1.6L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=8.5km s-min=4.2km az=5.7.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=11.4km s-min=5.1km az=95.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=4.7km s-min=18.1km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0. Explosion.
(724) Baltic States - Belarus - Northwestern Russia
ISC II 04 10 40 06.1–.89 59.31N–.02 27.05E–.04 0 77 1-10
ISCJB II 04 10 40 05.1–.60 59.34N–.03 27.14E–.09 0 ¶13434243
CSEM II 04 10 40 06.9–.33 59.32N 27.11E 1 2.1L
HEL II 04 10 40 07.3–.20 59.29N 27.17E 0 2.1L,1.8L
NAO II 04 10 40 07.0–1.1 59.30N 27.04E 2.1L,1.8L
BER II 04 10 40 07.7–4.0 59.31N 27.01E 0 2.1L,1.8L
IDC II 04 10 40 08.5–2.4 59.40N 27.12E 0 3.4,3.3
UPP II 04 10 40 20.9 60.02N 25.92E 0 0.7L,3.3
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.4km s-min=4.0km az=10.2.
CSEM Event type km. Error ellipse: s-maj=8.2km s-min=5.0km az=103.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=8.0km s-min=27.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.8km s-min=10.9km az=115.0.
UPP Event type sm. Suspected Mining explosion.
(721) Finland
HEL II 04 12 21 27.3–.10 60.53N 22.14E 0 0.8L
CSEM II 04 12 21 27.3 60.53N 22.14E 0 0.8L ¶14383389
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
(721) Finland
HEL II 04 12 21 40.8–.10 60.46N 26.79E 0 1.2L
CSEM II 04 12 21 40.8 60.46N 26.79E 0 1.2L ¶14383390
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=0.4km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
(548) Poland
ISC II 04 14 49 52.1–.76 50.07N–.03 19.01E–.02 0 66 1-4
ISCJB II 04 14 49 50.8–.47 50.15N–.03 18.95E–.03 0 ¶11667296
WAR II 04 14 49 51.9 50.08N 19.10E
CSEM II 04 14 49 51.1–.32 50.22N 18.98E 2 3.1L
PRU II 04 14 49 52.8 50.14N 18.98E 0 3.1L
VIE II 04 14 49 55.9–.55 49.84N 18.82E 0 2.4L,2.2b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.1km s-min=2.4km az=13.6.
CSEM Event type ki. Error ellipse: s-maj=8.6km s-min=3.4km az=7.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.0km s-min=3.2km az=7.0. 40 km E of Ostrava . Suspected Mining induced.
(536) Sweden
ISC II 04 18 01 42.7–.84 67.07N–.03 20.91E–.04 0 52 1-8
HEL II 04 18 01 39.5–1.0 66.93N 20.16E 0 1.9L ¶13434257
ISCJB II 04 18 01 42.0–.60 67.02N–.03 21.11E–.09 0 1.9L
IDC II 04 18 01 42.6–1.1 67.09N 20.63E 0 2.9,2.8
BER II 04 18 01 43.9–3.5 67.26N 20.82E 0 2.2L,1.8L
NAO II 04 18 01 43.1–1.0 67.18N 21.33E 2.2L,1.8L
CSEM II 04 18 01 43.6–.22 67.10N 20.98E 2 1.9L,1.8L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=4.7km s-min=12.6km az=-1.0. Explosion.
ISCJB Event type km. Error ellipse: s-maj=5.4km s-min=4.0km az=5.9.
IDC Error ellipse: s-maj=19.1km s-min=7.5km az=114.0.
BER Event type sh. Error ellipse: s-maj=9.6km s-min=42.7km az=-1.0. Suspected explosion.
CSEM Event type km. Error ellipse: s-maj=5.4km s-min=3.8km az=103.0. Mining explosion.
(548) Poland
ISC II 06 07 53 39.5–1.9 51.49N–.09 16.06E–.05 0 27 1-7
WAR II 06 07 53 39.6 51.54N 16.07E ¶11670379
CSEM II 06 07 53 39.2–.50 51.50N 16.06E 1 3.0L
PRU II 06 07 53 40.3 51.48N 16.12E 0 3.0L
ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=7.2km s-min=4.1km az=10.0.
PRU Event type ki.
(548) Poland
ISC II 06 08 41 47.0–1.0 51.57N–.04 16.20E–.04 0 50 1-4
ISCJB II 06 08 41 47.0–.84 51.48N–.04 16.12E–.05 0 ¶11670380
WAR II 06 08 41 48.4 51.54N 16.07E
CSEM II 06 08 41 48.5–.60 51.48N 16.13E 2 3.1L
PRU II 06 08 41 49.3 51.48N 16.21E 0 3.1L
VIE II 06 08 41 50.4–.58 51.30N 16.22E 0 2.6L,1.8b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.7km s-min=3.6km az=33.4.
CSEM Event type ki. Error ellipse: s-maj=9.0km s-min=5.3km az=23.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.4km s-min=3.3km az=168.0. 59 km WNW of Wroclaw . Suspected Mining induced.
(543) Germany
ISC II 06 23 15 27.9–.60 51.49N–.02 6.47E–.02 0 173 0-7
ISCJB II 06 23 15 27.6–.35 51.43N–.02 6.50E–.04 0 ¶11667380
CSEM II 06 23 15 28.6–.19 51.49N 6.51E 1 2.9L
BUG II 06 23 15 29.2 51.49N 6.62E 1 2.3L
BNS II 06 23 15 29.2–.81 51.53N 6.57E 1 2.4L
LDG II 06 23 15 29.9–.15 51.51N 6.52E 1 3.0L
BGR II 06 23 15 30.0–.57 51.49N 6.57E 1 2.5L
STR II 06 23 15 34.8–.94 51.27N 6.80E 5 3.0L
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.7km s-min=2.3km az=40.8.
CSEM Event type ki. Error ellipse: s-maj=4.2km s-min=2.8km az=141.0.
BUG Event type ki.
BNS Event type ki.
LDG Event type sr. Error ellipse: s-maj=2.7km s-min=2.0km az=5.0. Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=3.3km az=125.0.
STR Event type ke.
(548) Poland
ISC II 07 03 00 11.7–.76 50.09N–.03 18.45E–.02 0 66 0-4
ISCJB II 07 03 00 09.9–.47 50.15N–.03 18.38E–.03 0 ¶11670391
CSEM II 07 03 00 10.9–.27 50.17N 18.37E 2 2.7L
IPEC II 07 03 00 11.8–.17 50.07N 18.50E 12–2 2.1L
PRU II 07 03 00 12.6 50.11N 18.38E 0 2.1L
WAR II 07 03 00 12.0 50.08N 18.45E 2.1L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.0km s-min=2.7km az=22.4.
CSEM Event type ki. Error ellipse: s-maj=5.7km s-min=3.6km az=12.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=162.0.
PRU Event type ki.
(548) Poland
ISC II 07 04 42 44.3–.77 51.56N–.03 16.07E–.02 0 79 1-14
ISCJB II 07 04 42 42.7–.44 51.53N–.02 16.10E–.04 0 ¶11670393
IPEC II 07 04 42 44.0–.28 51.59N 16.13E 0 2.0L
WAR II 07 04 42 45.1 51.55N 16.06E 2.0L
CSEM II 07 04 42 45.2–.24 51.49N 16.02E 2 3.1L
IDC II 07 04 42 46.7–.78 51.47N 15.91E 0 3.3,3.2
PRU II 07 04 42 46.6 51.44N 16.04E 0 3.3,3.2
VIE II 07 04 42 47.5–.35 51.29N 16.02E 0 2.5L,2.3b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.6km s-min=2.9km az=38.7.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=34.0.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=3.4km az=13.0.
IDC Error ellipse: s-maj=17.5km s-min=7.2km az=99.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.2km s-min=1.8km az=0.0. 72 km WNW of Wroclaw . Suspected Mining induced.
(548) Poland
ISC II 08 03 00 01.1–.89 51.53N–.03 16.17E–.03 0 51 1-4
ISCJB II 08 03 00 00.6–.71 51.44N–.04 16.15E–.04 0 ¶11670410
WAR II 08 03 00 01.4 51.54N 16.07E
IPEC II 08 03 00 01.7–.22 51.51N 16.20E 0 1.6L
CSEM II 08 03 00 02.0–.26 51.45N 16.14E 2 2.8L
PRU II 08 03 00 04.2 51.39N 16.17E 0 2.8L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.3km s-min=3.2km az=19.6.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=1.0km az=29.0.
CSEM Event type ki. Error ellipse: s-maj=4.4km s-min=3.4km az=16.0.
PRU Event type ki.
(548) Poland
ISC II 09 18 34 45.1–.79 50.21N–.04 18.75E–.02 0 53 1-4
ISCJB II 09 18 34 44.0–.51 50.23N–.04 18.66E–.03 0 ¶11671825
CSEM II 09 18 34 44.8–.25 50.22N 18.70E 2 2.8L
PRU II 09 18 34 46.2 50.20N 18.66E 0 2.8L
VIE II 09 18 34 47.3–.76 49.66N 18.78E 0 2.5L,1.5b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.5km s-min=2.5km az=14.7.
CSEM Event type ki. Error ellipse: s-maj=6.3km s-min=2.9km az=9.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=5.1km s-min=3.5km az=122.0. 42 km ESE of Ostrava . Suspected Mining induced.
(460) Wyoming
ISC II 10 20 19 09.9–.61 43.45N–.02 105.15W–.02 0 115 0-78
IDC II 10 20 19 07.1–2.4 43.00N 105.11W 0 3.5,3.4 ¶12699934
NEIC II 10 20 19 10.4–.47 43.45N 105.07W 0 3.1L,3.4
ISCJB II 10 20 19 11.2–.19 43.57N–.01 105.30W–.02 0 3.9b,3.4
ISC Event type sm.
NEIC Event type fm. 80 km [50 miles] NNE of Douglas. Suspected Mining explosion.
ISCJB Event type fm.
(548) Poland
PRU II 11 01 02 25.8 50.28N 18.97E 0
¶11671847
PRU Event type ki.
(721) Finland
HEL II 11 11 41 52.0–.10 64.15N 28.01E 0 1.0L
CSEM II 11 11 41 52.0 64.15N 28.01E 0 1.0L ¶14383629
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
(724) Baltic States - Belarus - Northwestern Russia
HEL II 11 11 43 15.6–.50 67.59N 30.52E 0 0.9L
CSEM II 11 11 43 15.6 67.59N 30.52E 0 0.9L ¶14383630
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=7.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(724) Baltic States - Belarus - Northwestern Russia
ISC II 11 14 40 33.3–.68 59.32N–.02 26.95E–.03 0 90 1-25
ISCJB II 11 14 40 32.0–.51 59.35N–.02 26.97E–.07 0 3.1b ¶13434465
HEL II 11 14 40 33.3–.50 59.28N 27.28E 0 2.5L,2.1L
NAO II 11 14 40 33.7–1.1 59.30N 27.13E 2.5L,2.1L
CSEM II 11 14 40 33.8–.34 59.34N 27.03E 2 2.5L,2.1L
IDC II 11 14 40 35.7–.91 59.43N 27.19E 0 3.2,3.2
BER II 11 14 40 35.5–3.5 59.29N 26.96E 0 2.5L,3.2
UPP II 11 14 41 04.0 61.19N 24.91E 0 2.1L,3.2
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.2km s-min=3.5km az=9.1.
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=4.8km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=7.8km s-min=4.6km az=102.0. Mining explosion.
IDC Error ellipse: s-maj=11.2km s-min=7.5km az=82.0.
BER Event type sh. Error ellipse: s-maj=7.1km s-min=23.6km az=-1.0. Suspected explosion.
UPP Event type sm. Suspected Mining explosion.
(366) Turkey
ISC II 11 21 33 39.1–.85 39.41N–.02 28.14E–.03 0 44 0-1
ISCJB II 11 21 33 39.5–.43 39.40N–.02 28.20E–.04 0 ¶13434500
CSEM II 11 21 33 39.8–.19 39.41N 28.20E 1 2.7
DDA II 11 21 33 39.1 39.43N 28.17E 7 2.7
ISK II 11 21 33 40.2 39.46N 28.24E 7 2.6
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.5km s-min=3.3km az=160.4.
CSEM Event type ki. Error ellipse: s-maj=4.8km s-min=3.4km az=68.0.
DDA Event type kh.
(548) Poland
ISC II 12 01 25 55.3–.87 51.56N–.03 16.09E–.02 0 119 1-8
IPEC II 12 01 25 54.3–.28 51.61N 16.26E 0 2.8L ¶11677791
ISCJB II 12 01 25 55.3–.52 51.42N–.03 16.08E–.03 0 2.8L
WAR II 12 01 25 55.4 51.56N 16.02E 2.8L
CSEM II 12 01 25 55.4–.20 51.52N 16.12E 2 3.8L
PRU II 12 01 25 56.8 51.48N 16.10E 0 3.8L
BGR II 12 01 25 56.8–.45 51.49N 16.12E 1 3.2L
VIE II 12 01 25 58.5–.64 51.32N 16.06E 0 3.1L,2.6b
LDG II 12 01 26 00.9–.21 51.15N 15.76E 1 3.5L,2.6b
ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.6km az=38.0.
ISCJB Event type sr. Error ellipse: s-maj=4.1km s-min=2.3km az=21.8.
CSEM Event type ki. Error ellipse: s-maj=4.0km s-min=2.4km az=22.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=2.2km az=15.0.
VIE Event type sr. Error ellipse: s-maj=4.2km s-min=3.7km az=137.0. 70 km WNW of Wroclaw . Suspected Mining induced.
LDG Event type sr. Error ellipse: s-maj=5.9km s-min=3.4km az=3.0. Suspected Mining induced.
(548) Poland
ISC II 12 02 35 14.4–.86 51.59N–.03 16.08E–.03 0 51 1-4
ISCJB II 12 02 35 13.9–.68 51.51N–.04 16.08E–.04 0 ¶11677795
CSEM II 12 02 35 14.9–.30 51.53N 16.06E 2 3.3L
WAR II 12 02 35 15.7 51.55N 16.06E 3.3L
PRU II 12 02 35 16.9 51.47N 16.07E 0 3.3L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.3km s-min=3.2km az=17.8.
CSEM Event type ki. Error ellipse: s-maj=5.2km s-min=3.9km az=13.0.
PRU Event type ki.
(724) Baltic States - Belarus - Northwestern Russia
ISC II 12 11 10 39.0–.71 59.33N–.02 27.03E–.04 0 63 1-10
ISCJB II 12 11 10 39.5–.70 59.33N–.03 27.07E–.09 0 ¶13434538
HEL II 12 11 10 40.4–.40 59.29N 27.26E 0 2.2L,1.8L
NAO II 12 11 10 40.7–1.1 59.30N 27.05E 2.2L,1.8L
CSEM II 12 11 10 40.4–.41 59.31N 27.21E 1 2.2L,1.8L
BER II 12 11 10 41.5–2.6 59.30N 27.17E 0 2.2L,1.8L
IDC II 12 11 10 42.9–2.0 59.39N 27.08E 0 3.2,3.2
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.5km s-min=3.8km az=9.8.
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=4.7km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=12.0km s-min=4.7km az=97.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=5.1km s-min=18.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=17.7km s-min=10.3km az=122.0.
(548) Poland
ISC II 12 18 40 13.0–.87 51.66N–.03 16.03E–.03 0 60 1-4
ISCJB II 12 18 40 12.5–.67 51.57N–.03 16.03E–.04 0 ¶11677805
CSEM II 12 18 40 13.6–.35 51.60N 16.01E 2 3.1L
WAR II 12 18 40 14.7 51.59N 16.04E 3.1L
PRU II 12 18 40 15.3 51.55N 16.02E 0 3.1L
VIE II 12 18 40 17.1–.36 51.26N 16.12E 0 2.5L,2.3b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.0km s-min=3.1km az=19.1.
CSEM Event type ki. Error ellipse: s-maj=6.1km s-min=4.9km az=16.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.3km s-min=2.1km az=173.0. 65 km WNW of Wroclaw . Suspected Mining induced.
(456) Montana
ISC II 12 20 02 44.4–.65 45.87N–.02 106.69W–.02 0 102 0-17
ISCJB II 12 20 02 44.7–.20 45.85N–.01 106.66W–.02 0 ¶12700372
IDC II 12 20 02 44.3–1.5 45.99N 107.13W 0 3.3,3.2
NEIC II 12 20 02 44.9–.59 45.94N 106.63W 0 2.8L,3.2
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.8km az=163.2.
IDC Error ellipse: s-maj=46.4km s-min=9.6km az=128.0.
NEIC Event type fm. Error ellipse: s-maj=8.9km s-min=7.2km az=143.0. NEAR Colstrip. Suspected Mining explosion.
(366) Turkey
ISC II 12 20 54 01.9–.89 38.45N–.03 39.06E–.02 0 36 0-2
ISCJB II 12 20 54 01.5–.47 38.45N–.03 39.07E–.04 0 ¶15133214
DDA II 12 20 54 01.6 38.41N 39.07E 7 2.4
ISK II 12 20 54 01.4 38.44N 39.07E 6 2.6
CSEM II 12 20 54 01.8–.17 38.46N 39.09E 10 2.6
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.7km s-min=3.9km az=171.0.
DDA Event type kh.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=152.0.
(723) Finland-Karelia border region
ISC II 13 10 00 25.9–.94 64.84N–.02 30.64E–.05 0 83 1-10
ISCJB II 13 10 00 24.5–.60 64.78N–.02 30.6E–.10 0 ¶13434579
HEL II 13 10 00 26.3–.20 64.82N 30.67E 0 2.1L,1.7L
CSEM II 13 10 00 26.7–.38 64.84N 30.50E 1 1.7L,1.7L
UPP II 13 10 00 26.8 64.71N 30.56E 0 1.5L,1.7L
IDC II 13 10 00 27.2–2.5 64.74N 30.89E 0 3.1,3.1
NAO II 13 10 00 27.7–1.5 64.82N 30.28E 2.1L,3.1
BER II 13 10 00 28.3–3.0 64.83N 30.38E 0 2.1L,3.1
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.9km s-min=3.4km az=177.7.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9.5km s-min=5.8km az=94.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.
IDC Error ellipse: s-maj=37.8km s-min=8.3km az=102.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Event type sh. Error ellipse: s-maj=6.6km s-min=47.2km az=-1.0. Suspected explosion.
(723) Finland-Karelia border region
ISC II 13 10 10 46.8–1.2 60.99N–.05 29.01E–.05 0 36 1-9
ISCJB II 13 10 10 44.5–.99 61.06N–.04 29.03E–.09 0 ¶12700493
HEL II 13 10 10 47.2–.50 60.91N 29.12E 0 1.6L
CSEM II 13 10 10 47.2 60.91N 29.12E 0 1.6L
IDC II 13 10 10 48.5–1.9 60.98N 28.97E 0 3.3,3.2
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.6km s-min=4.7km az=31.8.
HEL Event type kh. Error ellipse: s-maj=2.7km s-min=5.2km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
IDC Error ellipse: s-maj=19.9km s-min=12.2km az=178.0.
(548) Poland
PRU II 13 23 09 10.6 50.32N 18.93E 0 ¶11677822
PRU Event type ki.
(548) Poland
ISC II 14 16 34 10.5–.57 51.50N–.02 16.11E–.02 0 3.4b 164 1-75
ISCJB II 14 16 34 09.4–.37 51.47N–.02 16.11E–.02 0 3.3b ¶11677834
IPEC II 14 16 34 09.4–.22 51.61N 16.20E 0 2.6L
CSEM II 14 16 34 10.7–.16 51.49N 16.13E 2 3.6L
WAR II 14 16 34 11.1 51.54N 16.07E 3.6L
IDC II 14 16 34 11.8–.64 51.49N 15.88E 0 3.5,3.4
PRU II 14 16 34 11.9 51.47N 16.09E 0 3.5,3.4
BGR II 14 16 34 12.3–.50 51.47N 16.10E 1 3.2L,3.4
VIE II 14 16 34 13.8–.44 51.25N 16.13E 0 3.0L,2.7b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.2km s-min=2.1km az=17.3.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=1.5km az=149.0.
CSEM Event type ki. Error ellipse: s-maj=3.2km s-min=2.1km az=13.0.
IDC Error ellipse: s-maj=13.9km s-min=7.0km az=108.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=17.0.
VIE Event type sr. Error ellipse: s-maj=2.8km s-min=2.6km az=165.0. 63 km WNW of Wroclaw . Suspected Mining induced.
(724) Baltic States - Belarus - Northwestern Russia
ISC II 15 11 10 45.9–1.4 67.62N–.03 33.83E–.07 0 77 0-12
ISCJB II 15 11 10 44.4–.89 67.68N–.03 34.1E–.10 0 ¶13434663
HEL II 15 11 10 46.4–.40 67.70N 34.05E 0 2.9L,2.9L
CSEM II 15 11 10 47.5–.39 67.62N 33.78E 1 2.9L,2.9L
NAO II 15 11 10 48.3–1.5 67.60N 33.78E 2.9L,2.9L
IDC II 15 11 10 51.1–1.7 67.72N 33.39E 0 3.3,3.3
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.2km s-min=4.7km az=174.7.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=2.2km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=7.7km s-min=4.3km az=81.0. Mining explosion.
IDC Error ellipse: s-maj=16.6km s-min=9.4km az=91.0.
(548) Poland
ISC II 15 21 02 44.2–1.2 51.40N–.05 16.15E–.03 0 54 1-3
ISCJB II 15 21 02 43.0–.78 51.37N–.04 16.16E–.04 0 ¶11677940
IPEC II 15 21 02 43.5–.20 51.46N 16.23E 0 1.6L
CSEM II 15 21 02 44.9–.35 51.35N 16.14E 2 2.8L
PRU II 15 21 02 45.2 51.37N 16.15E 0 2.8L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.0km s-min=2.9km az=20.7.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=0.8km az=27.0.
CSEM Event type ki. Error ellipse: s-maj=6.2km s-min=3.0km az=23.0.
PRU Event type ki.
(548) Poland
ISC II 16 04 27 40.0–1.3 51.48N–.06 16.06E–.03 0 43 1-3
ISCJB II 16 04 27 38.0–.91 51.49N–.04 16.07E–.05 0 ¶11710663
CSEM II 16 04 27 39.5–.58 51.49N 16.05E 2 2.9L
PRU II 16 04 27 40.6 51.47N 16.08E 0 2.9L
WAR II 16 04 27 40.8 51.47N 16.10E 2.9L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.5km s-min=3.9km az=21.4.
CSEM Event type ki. Error ellipse: s-maj=9.4km s-min=5.2km az=7.0.
PRU Event type ki.
(548) Poland
ISC II 16 04 49 35.7–1.4 51.51N–.06 16.14E–.04 0 29 1-3
ISCJB II 16 04 49 33.2–1.1 51.54N–.05 16.12E–.05 0 ¶11710664
CSEM II 16 04 49 34.1–1.1 51.56N 16.10E 2 2.7L
PRU II 16 04 49 36.3 51.49N 16.12E 0 2.7L
WAR II 16 04 49 36.9 51.47N 16.10E 2.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.5km s-min=4.2km az=9.8.
CSEM Event type ki. Error ellipse: s-maj=17.2km s-min=9.8km az=177.0.
PRU Event type ki.
(548) Poland
ISC II 16 21 03 36.6–1.2 51.46N–.06 16.09E–.03 0 40 1-3
ISCJB II 16 21 03 34.6–.86 51.48N–.05 16.10E–.04 0 ¶11710671
CSEM II 16 21 03 36.5–.67 51.44N 16.09E 2 2.7L
PRU II 16 21 03 37.3 51.42N 16.12E 0 2.7L
WAR II 16 21 03 37.2 51.47N 16.10E 2.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.0km s-min=3.5km az=12.0.
CSEM Event type ki. Error ellipse: s-maj=11.6km s-min=5.9km az=8.0.
PRU Event type ki.
(548) Poland
ISC II 16 22 12 11.8–.80 50.25N–.04 18.91E–.02 0 53 1-4
ISCJB II 16 22 12 10.5–.53 50.26N–.04 18.82E–.03 0 ¶11710672
CSEM II 16 22 12 11.2–.22 50.29N 18.87E 2 2.8L
IPEC II 16 22 12 11.5–.17 50.33N 18.88E 0 2.0L
PRU II 16 22 12 12.8 50.24N 18.81E 0 2.0L
WAR II 16 22 12 13.0 50.22N 19.03E 2.0L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.5km s-min=2.5km az=13.7.
CSEM Event type ki. Error ellipse: s-maj=5.3km s-min=2.4km az=12.0.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=0.8km az=173.0.
PRU Event type ki.
(536) Sweden
HEL II 16 23 19 41.8–.00 67.19N 20.67E 0 1.9L,1.1L
UPP II 16 23 19 41.1 67.19N 20.73E 0 1.9L,1.1L ¶14383817
CSEM II 16 23 19 41.1–.20 67.19N 20.82E 2 1.1L,1.1L
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Explosion.
UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=6.0km s-min=3.7km az=83.0. Mining explosion.
(548) Poland
ISC II 17 05 28 12.8–1.3 51.40N–.06 16.07E–.03 0 41 1-3
ISCJB II 17 05 28 10.0–.91 51.43N–.05 16.07E–.04 0 ¶11710679
WAR II 17 05 28 10.4 51.54N 16.07E
PRU II 17 05 28 12.4 51.40N 16.10E 0
CSEM II 17 05 28 12.9–.68 51.35N 16.03E 2 2.8L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.9km s-min=3.3km az=11.3.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=11.7km s-min=6.1km az=14.0.
(536) Sweden
ISC II 17 18 06 04.8–.77 67.06N–.03 20.90E–.03 0 113 1-8
ISCJB II 17 18 06 04.4–.38 67.06N–.02 21.08E–.08 0 ¶13434781
CSEM II 17 18 06 05.4–.14 67.08N 20.83E 2 1.9L
UPP II 17 18 06 05.1 67.07N 20.95E 0 1.9L
NAO II 17 18 06 05.7–1.1 67.08N 21.12E 2.3L
IDC II 17 18 06 06.1–.83 67.09N 21.21E 0 3.1,3.1
HEL II 17 18 06 06.0–.10 67.08N 20.89E 0 2.0L,1.9L
BER II 17 18 06 08.3–4.0 67.08N 21.04E 0 2.3L,2.0L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.6km s-min=3.3km az=27.5.
CSEM Event type km. Error ellipse: s-maj=4.3km s-min=3.0km az=112.0. Mining explosion.
UPP Event type km. Mining explosion.
IDC Error ellipse: s-maj=14.7km s-min=6.2km az=115.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=11.0km s-min=26.7km az=-1.0. Suspected explosion.
(366) Turkey
ISC II 17 19 34 32.9–.73 37.01N 28.19E–.02 0 82 0-3
ATH II 17 19 34 32.0 37.07N 28.18E 18–1 3.1 ¶13434785
ISK II 17 19 34 32.6 36.99N 28.22E 10 3.2
CSEM II 17 19 34 32.7–.18 37.02N 28.21E 1 3.2
DDA II 17 19 34 33.5 37.04N 28.20E 7 3.0
ISC Event type ki.

ATH Error ellipse: s-maj=0.7km s-min=1.2km az=-1.0.
CSEM Event type ki.
DDA Event type ke.

(460) Wyoming

ISC	**II**	**17 21 03 59.1–.56**	**43.74N–.02**	**105.24W–.02**	**0**	**4.1b**	**141**	**0-90**
ISCJB	II	17 21 03 57.7–.29	43.73N–.02	105.27W–.03	0	4.0b,3.6s		**¶12701054**
IDC	II	17 21 03 57.2–1.2	43.33N	105.22W	0	4.0b,4.0		
NEIC	II	17 21 03 59.9–.32	43.75N	105.23W	0	3.5L,4.0		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.8km s-min=2.2km az=29.1.
IDC Error ellipse: s-maj=30.7km s-min=8.0km az=155.0.
NEIC Event type fm. Error ellipse: s-maj=4.7km s-min=3.7km az=137.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

PRU	**II**	**17 21 57 43.5**	**50.31N**	**19.08E**	**0**			
								¶11710688

PRU Event type ki.

(548) Poland

ISC	**II**	**18 06 02 04.8–.79**	**50.04N–.03**	**19.00E–.02**	**0**		**56**	**1-4**
ISCJB	II	18 06 02 03.6–.52	50.14N–.04	18.97E–.03	0			**¶11710694**
CSEM	II	18 06 02 04.8–.28	50.07N	18.99E	2	3.0L		
PRU	II	18 06 02 05.5	50.14N	18.99E	0	3.0L		
WAR	II	18 06 02 05.3	50.08N	19.10E		3.0L		
IPEC	II	18 06 02 05.0–.17	50.08N	19.07E	0–1	2.1L		
VIE	II	18 06 02 07.0–.64	49.75N	18.99E	0	2.5L,2.0b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=6.0km s-min=2.7km az=13.1.
CSEM Event type ki. Error ellipse: s-maj=6.6km s-min=3.7km az=10.0.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=1.0km az=2.0.
VIE Event type sr. Error ellipse: s-maj=4.6km s-min=3.6km az=140.0. 54 km E of Ostrava . Suspected Mining induced.

(547) Czech and Slovak Republics

ISC	**II**	**18 09 21 19.4–.89**	**49.81N–.03**	**18.50E–.02**	**0**		**43**	**0-4**
ISCJB	II	18 09 21 18.0–.45	49.84N–.04	18.46E–.03	0			**¶11710695**
VIE	II	18 09 21 19.3–.75	49.63N	18.50E	0	2.2L,2.0b		
CSEM	II	18 09 21 19.3–.19	49.82N	18.47E	1	2.6L,2.0b		
IPEC	II	18 09 21 19.5–.15	49.83N	18.53E	0–2	1.9L,2.0b		
PRU	II	18 09 21 20.6	49.87N	18.44E	0	1.9L,2.0b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.1km s-min=2.7km az=12.2.
VIE Event type sr. Error ellipse: s-maj=5.0km s-min=3.0km az=115.0. 29 km SE of Ostrava . Suspected Mining induced.
CSEM Event type ki. Error ellipse: s-maj=5.8km s-min=2.8km az=3.0.
IPEC Event type ki. Error ellipse: s-maj=1.3km s-min=0.9km az=14.0.
PRU Event type ki.

(723) Finland-Karelia border region

ISC	**II**	**18 10 00 13.7–1.1**	**64.73N–.03**	**30.94E–.06**	**0**		**48**	**1-10**
HEL	II	18 10 00 14.4–.40	64.71N	30.89E	0	1.8L		**¶12701123**
CSEM	II	18 10 00 14.4	64.71N	30.89E	0	1.8L		
IDC	II	18 10 00 16.1–2.0	64.64N	30.78E	0	3.0,3.0		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=7.0km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
IDC Error ellipse: s-maj=28.5km s-min=8.6km az=103.0.

(543) Germany

ISC	**II**	**18 10 14 56.9–.80**	**51.49N–.02**	**6.53E–.03**	**0**		**79**	**0-5**
ISCJB	II	18 10 14 56.7–.46	51.49N–.02	6.54E–.04	0			**¶11729281**
BUG	II	18 10 14 57.1	51.46N	6.60E	1	2.2L		
BGR	II	18 10 14 57.1–.81	51.48N	6.54E	1	2.4L		
CSEM	II	18 10 14 57.5–.27	51.49N	6.57E	1	3.1L		
LDG	II	18 10 14 57.6–.10	51.52N	6.61E	1	2.9L		
BNS	II	18 10 14 58.5–1.1	51.47N	6.60E	1	2.2L		
STR	II	18 10 15 04.7–1.2	51.17N	7.69E	5	2.9L		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.4km s-min=2.9km az=40.1.
BUG Event type ki.
BGR Event type ki. Error ellipse: s-maj=16.7km s-min=5.6km az=126.0.
CSEM Event type ki. Error ellipse: s-maj=5.1km s-min=4.2km az=129.0.
LDG Event type sr. Error ellipse: s-maj=1.6km s-min=1.1km az=3.0. Suspected Mining induced.
BNS Event type ki.
STR Event type ke.

(543) Germany

ISC	**II**	**18 12 04 59.5–2.8**	**50.23N–.07**	**12.6E–.10**	**0**		**18**	**2-3**
CSEM	II	18 12 04 58.9–.93	50.23N	12.57E	2	2.6L		**¶14369483**
VIE	II	18 12 04 59.8–.23	50.23N	12.76E	0	2.6L,2.2b		

ISC Event type sm.
CSEM Event type sm. Error ellipse: s-maj=18.0km s-min=8.7km az=113.0. Suspected Mining explosion.
VIE Event type sm. Error ellipse: s-maj=2.9km s-min=0.9km az=39.0. 22 km E of Klingenthal . Suspected Mining explosion.

(548) Poland

ISC	**II**	**18 14 59 51.9–.86**	**50.27N–.05**	**18.73E–.02**	**0**		**37**	**1-4**
ISCJB	II	18 14 59 51.0–.58	50.32N–.05	18.73E–.03	0			**¶11710699**
CSEM	II	18 14 59 51.9–.31	50.31N	18.73E	2	2.5L		
WAR	II	18 14 59 52.4	50.25N	18.76E		2.5L		
PRU	II	18 14 59 53.1	50.26N	18.70E	0	2.5L		
IPEC	II	18 14 59 53.0–.15	50.24N	18.73E	0	1.5L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.6km s-min=3.0km az=3.9.
CSEM Event type ki. Error ellipse: s-maj=9.9km s-min=3.9km az=172.0.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=0.8km az=169.0.

(536) Sweden

ISC	**II**	**19 00 10 41.7–.80**	**58.82N–.03**	**15.13E–.02**	**0**		**96**	**0-12**
ISCJB	II	19 00 10 41.3–.48	58.80N–.04	15.15E–.05	0			**¶13434846**
CSEM	II	19 00 10 42.4–.17	58.82N	15.10E	2	2.6L		
UPP	II	19 00 10 42.4	58.81N	15.11E	0	2.6L		
IDC	II	19 00 10 43.0–1.7	58.76N	14.89E	0	3.2,3.1		
HEL	II	19 00 10 43.0–.10	58.80N	15.11E	0	2.6L,2.3L		
NAO	II	19 00 10 44.0–2.1	58.86N	15.09E		1.7L,2.3L		
BER	II	19 00 10 46.8–1.7	58.89N	14.95E	15	1.7W,1.7L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=5.5km s-min=3.4km az=2.3.
CSEM Event type sm. Error ellipse: s-maj=4.2km s-min=3.1km az=3.0. Suspected Mining explosion.
UPP Event type sm. Suspected Mining explosion.
IDC Error ellipse: s-maj=16.9km s-min=8.2km az=24.0.
HEL Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
BER Error ellipse: s-maj=7.1km s-min=9.2km az=-1.0.

(536) Sweden

ISC	**II**	**19 00 12 18.6–.69**	**58.84N–.03**	**15.12E–.02**	**0**		**88**	**0-53**
IDC	II	19 00 12 17.2–1.6	58.56N	14.82E	0	3.5,3.4		**¶13434847**
ISCJB	II	19 00 12 18.2–.39	58.84N–.03	15.13E–.05	0	3.1b,3.4		
NAO	II	19 00 12 19.1–2.4	58.74N	15.01E		2.5L,3.4		
HEL	II	19 00 12 19.8–.10	58.80N	15.09E	0	3.0L,3.4		
UPP	II	19 00 12 19.0	58.82N	15.11E	0	3.0L,3.4		
BER	II	19 00 12 20.4–3.1	58.79N	14.92E	6–27	2.5L,3.4		
CSEM	II	19 00 12 26.7–.32	59.53N	15.36E	1	3.0L,3.4		

ISC Event type sm.
IDC Error ellipse: s-maj=20.9km s-min=9.1km az=43.0.
ISCJB Event type sm. Error ellipse: s-maj=4.0km s-min=3.6km az=29.1.
HEL Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0.
UPP Event type sm. Suspected Mining explosion.
BER Error ellipse: s-maj=20.6km s-min=32.4km az=-1.0.
CSEM Event type sm. Error ellipse: s-maj=6.6km s-min=6.5km az=3.0. Suspected Mining explosion.

(536) Sweden

ISC	**II**	**19 00 12 48.7–.48**	**58.79N–.02**	**15.11E–.02**	**0**	**3.9b**	**179**	**0-56**
ISCJB	II	19 00 12 47.7–.25	58.76N–.02	15.31E–.04	0	3.7b		**¶12701188**
PRU	II	19 00 12 49.5	58.79N	15.52E	0	3.7		
UPP	II	19 00 12 50.9	58.81N	15.09E	0	3.7L		
CSEM	II	19 00 12 50.3–.15	58.80N	15.09E	1	6.6s		
HEL	II	19 00 12 51.6–.10	58.82N	15.12E	0	3.7L,3.2L		
IDC	II	19 00 12 52.4–1.3	58.80N	14.92E	13–10	3.9L,3.9		
NAO	II	19 00 12 53.2–2.4	58.89N	15.13E		3.1L,3.9		
BER	II	19 00 12 57.0–3.3	59.01N	15.06E	12–32	3.1L,3.9		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.2km s-min=2.7km az=0.6.
UPP Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=4.8km s-min=3.2km az=112.0. Suspected Mining explosion.
HEL Error ellipse: s-maj=0.9km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=9.1km s-min=6.5km az=90.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=18.8km s-min=26.3km az=-1.0.

(536) Sweden

UPP	**II**	**19 00 12 57.1**	**58.88N**	**15.09E**	**0**	**3.6L**		
CSEM	II	19 00 12 57.1	58.88N	15.09E	0	3.6L		**¶15956608**

UPP Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion. After UPP.

(547) Czech and Slovak Republics

ISC	**II**	**19 08 43 50.2–.74**	**49.84N–.03**	**18.47E–.02**	**0**		**75**	**0-4**
ISCJB	II	19 08 43 48.9–.37	49.81N–.03	18.43E–.03	0			**¶11713970**
CSEM	II	19 08 43 50.1–.15	49.82N	18.46E	1	2.8L		
IPEC	II	19 08 43 50.0–.18	49.83N	18.54E	1–3	2.5L		
PRU	II	19 08 43 51.2	49.82N	18.43E	0	2.5L		
VIE	II	19 08 43 52.0–.58	49.66N	18.35E	0	2.4L,2.0b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.9km s-min=2.4km az=11.6.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=2.3km az=13.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.2km s-min=2.3km az=93.0. 21 km SSE of Ostrava . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**II**	**19 11 03 13.6–.88**	**59.31N–.02**	**27.13E–.05**	**0**		**73**	**1-10**
ISCJB	II	19 11 03 13.9–.62	59.31N–.03	26.95E–.08	0			**¶13434862**
BER	II	19 11 03 14.7–3.2	59.32N	27.20E	0	2.4L		
NAO	II	19 11 03 14.3–1.0	59.30N	27.00E		2.4L		
CSEM	II	19 11 03 14.9–.29	59.31N	27.03E	2	2.4L		
IDC	II	19 11 03 15.1–2.1	59.37N	27.29E	0	3.3,3.2		
HEL	II	19 11 03 15.5–.20	59.33N	27.12E	0	2.4L,2.0L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.6km s-min=3.9km az=4.2.
BER Event type sh. Error ellipse: s-maj=6.0km s-min=21.3km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=6.9km s-min=4.3km az=97.0. Mining explosion.
IDC Error ellipse: s-maj=19.2km s-min=11.2km az=117.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0. Explosion.

(460) Wyoming

ISC	**II**	**19 18 54 55.8–.63**	**44.08N–.02**	**105.30W–.02**	**0**		**139**	**0-19**
ISCJB	II	19 18 54 55.9–.20	44.09N–.01	105.34W–.02	0			**¶12701269**
IDC	II	19 18 54 55.8–1.9	44.00N	105.46W	0	3.4,3.2		
NEIC	II	19 18 54 56.2–.58	44.00N	105.19W	0	3.2L,3.2		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=1.7km az=165.6.
IDC Error ellipse: s-maj=46.5km s-min=8.3km az=146.0.
NEIC Event type fm. Error ellipse: s-maj=7.9km s-min=7.1km az=150.0. 40 km [25 miles] SE of Gillette. Suspected Mining explosion.

(536) Sweden

ISC	**II**	**21 00 18 46.9–.84**	**67.81N**	**20.21E–.02**	**0**		**18**	**0-4**
UPP	II	20 00 18 46.1	67.82N	20.19E	0	0.8L		**¶15956744**
CSEM	II	20 00 18 46.1	67.82N	20.19E	0	0.8L		
HEL	II	21 00 18 51.9–.90	67.95N	20.36E	0	1.1L		

ISC Event type km.
UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After UPP.
HEL Event type kh. Error ellipse: s-maj=3.1km s-min=10.1km az=-1.0. Explosion.

(548) Poland

ISC	**II**	**20 00 23 28.4–.77**	**50.16N–.03**	**19.02E–.02**	**0**		**74**	**1-5**
ISCJB	II	20 00 23 26.7–.45	50.29N–.04	19.00E–.03	0			**¶11713980**
CSEM	II	20 00 23 28.1–.22	50.26N	19.01E	2	2.8L		
IPEC	II	20 00 23 28.2–.19	50.23N	19.06E	2–1	2.0L		
PRU	II	20 00 23 29.1	50.20N	19.00E	0	2.0L		
VIE	II	20 00 23 30.4–.78	49.76N	19.04E	0	2.2L,2.0b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.6km s-min=2.3km az=10.6.
CSEM Event type ki. Error ellipse: s-maj=6.4km s-min=2.5km az=8.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.0km az=171.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=5.8km s-min=4.5km az=143.0. 55 km S of Katowice . Suspected Mining induced.

(548) Poland

PRU	**II**	**20 01 32 54.9**	**50.12N**	**18.43E**	**0**			
								¶11713981

PRU Event type ki.

(548) Poland

ISC	**II**	**20 02 15 44.2–.86**	**50.16N–.04**	**18.96E–.03**	**0**		**42**	**1-4**
ISCJB	II	20 02 15 42.7–.62	50.26N–.04	18.95E–.04	0			**¶11713982**
CSEM	II	20 02 15 43.6–.32	50.13N	18.94E	2	2.7L		
PRU	II	20 02 15 44.5	50.20N	18.98E	0	2.7L		
VIE	II	20 02 15 45.3–.83	49.66N	19.07E	0	2.4L,1.4b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=6.5km s-min=3.4km az=7.8.
CSEM Event type ki. Error ellipse: s-maj=7.8km s-min=4.5km az=8.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=5.7km s-min=4.6km az=131.0. 55 km NNE of Zilina . Suspected Mining induced.

(366) Turkey

ISC	**II**	**20 11 02 22.8–.86**	**39.46N**	**28.13E–.02**	**0**		**42**	**0-2**
CSEM	II	20 11 02 23.5–.18	39.44N	28.17E	1	3.0		**¶13434903**
DDA	II	20 11 02 23.3	39.47N	28.16E	7	3.0		
ISK	II	20 11 02 23.0	39.43N	28.17E	15	2.7		

ISC Event type kh.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=3.2km az=51.0.
DDA Event type kh.

(543) Germany

VIE	**II**	**20 12 04 59.4–.25**	**50.20N**	**12.73E**	**0**	**2.5L,2.1b**		
								¶14369567

VIE Event type sm. Error ellipse: s-maj=2.4km s-min=1.0km az=40.0. 20 km E of Klingenthal . Suspected Mining explosion.

(366) Turkey

ISC	**II**	**20 13 39 12.3–.83**	**39.47N**	**28.16E–.02**	**0**		**34**	**0-1**
DDA	II	20 13 39 12.8	39.46N	28.16E	7	2.8		**¶13434911**
ISK	II	20 13 39 12.7	39.45N	28.17E	9	2.5		
CSEM	II	20 13 39 13.2–.19	39.47N	28.18E	1	2.8		

ISC Event type ki.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=4.6km s-min=3.4km az=43.0.

(548) Poland

ISC	**II**	**20 18 50 27.5–.76**	**50.14N–.03**	**18.43E–.02**	**0**		**60**	**0-4**
ISCJB	II	20 18 50 26.6–.52	50.17N–.03	18.37E–.03	0			**¶11713992**
CSEM	II	20 18 50 27.5–.28	50.16N	18.37E	1	2.9L		
IPEC	II	20 18 50 28.1–.17	50.09N	18.47E	1–2	2.2L		
WAR	II	20 18 50 28.5	50.08N	18.45E		2.2L		
PRU	II	20 18 50 29.0	50.14N	18.34E	0	2.2L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.8km s-min=2.8km az=16.1.
CSEM Event type ki. Error ellipse: s-maj=6.5km s-min=3.5km az=10.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=160.0.

PRU Event type ki.
(548) Poland
ISC II 20 22 33 04.9–.80 50.25N–.04 18.90E–.02 0 44 1-4
ISCJB II 20 22 33 03.6–.61 50.31N–.04 18.82E–.03 0 ¶11713998
CSEM II 20 22 33 04.8–.28 50.28N 18.85E 1 2.6L
WAR II 20 22 33 05.6 50.24N 18.94E 2.6L
PRU II 20 22 33 06.2 50.26N 18.83E 0 2.6L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.1km s-min=2.8km az=15.9.
CSEM Event type ki. Error ellipse: s-maj=6.8km s-min=3.1km az=10.0.
PRU Event type ki.
(535) Southern Norway
BER II 21 17 01 32.9–2.6 59.09N 9.67E 0 1.7,1.2L
CSEM II 21 17 01 30.9–.10 59.09N 9.74E 2 1.2L,1.2L ¶13434947
UPP II 21 17 01 32.7 58.92N 9.87E 0 1.6L,1.2L
BER Event type sh. Error ellipse: s-maj=6.7km s-min=10.1km az=-1.0. Suspected explosion.
CSEM Event type sm. Error ellipse: s-maj=3.1km s-min=2.2km az=19.0. Suspected Mining explosion.
UPP Event type sm. Suspected Mining explosion.
(460) Wyoming
ISC II 21 19 03 01.3–.56 43.75N–.02 105.29W–.02 0 3.6b 130 0-90
ISCJB II 21 19 03 00.8–.21 43.74N–.01 105.27W–.02 0 3.6b ¶12701456
IDC II 21 19 03 01.4–1.8 43.77N 105.46W 0 3.7,3.6b
NEIC II 21 19 03 01.7–.27 43.80N 105.20W 0 3.3L,3.6b
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=2.0km az=177.6.
IDC Error ellipse: s-maj=53.8km s-min=8.3km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=3.7km s-min=3.6km az=217.0. 55 km [35 miles] SSE of Gillette. Suspected Mining explosion.
(548) Poland
ISC II 21 19 35 16.8–1.3 51.47N–.06 16.09E–.03 0 44 1-3
ISCJB II 21 19 35 14.5–.90 51.50N–.04 16.14E–.04 0 ¶11714012
WAR II 21 19 35 15.5 51.59N 16.04E
CSEM II 21 19 35 16.5–.66 51.48N 16.10E 2 2.8L
PRU II 21 19 35 17.3 51.47N 16.12E 0 2.8L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=16.4.
CSEM Event type ki. Error ellipse: s-maj=10.5km s-min=4.9km az=16.0.
PRU Event type ki.
(460) Wyoming
ISC II 21 21 02 13.1–.61 43.64N–.02 105.28W–.02 0 119 0-62
IDC II 21 21 02 11.5–2.4 43.45N 105.34W 0 4.2b,4.0 ¶12701463
ISCJB II 21 21 02 12.8–.23 43.68N–.01 105.29W–.02 0 4.5b,4.0
NEIC II 21 21 02 14.2–.40 43.72N 105.21W 0 3.0L,4.0
ISC Event type sm.
IDC Error ellipse: s-maj=56.5km s-min=8.8km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=2.1km az=166.0.
NEIC Event type fm. Error ellipse: s-maj=5.3km s-min=5.0km az=152.0. 70 km [40 miles] SSE of Gillette. Suspected Mining explosion.
(646) Northern Norway
ISC II 21 23 12 57.7–.85 68.36N–.03 15.97E–.03 0 138 1-8
UPP II 21 23 12 55.1 68.66N 15.34E 0 2.1L ¶13434954
IDC II 21 23 12 56.3–1.9 68.65N 15.35E 0 3.4,3.3
CSEM II 21 23 12 57.5–.24 68.45N 15.70E 1 2.5L,3.3
ISCJB II 21 23 12 59.1–.47 68.24N–.03 16.49E–.08 0 2.5L,3.3
HEL II 21 23 13 01.9–.20 68.45N 15.89E 36–4 2.5L,2.3L
BER II 21 23 13 01.8–3.7 68.40N 15.80E 15–12 2.6L,2.4
NAO II 21 23 13 02.9–2.2 68.38N 16.31E 20–12 2.6L,2.4
ISC Event type sm.
UPP Event type sm. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.4km s-min=10.4km az=135.0.
CSEM Event type sm. Error ellipse: s-maj=5.9km s-min=2.8km az=127.0. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.2km s-min=3.2km az=139.2.
HEL Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.
BER Error ellipse: s-maj=8.5km s-min=25.6km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
(548) Poland
ISC II 21 23 46 16.8–.89 51.60N–.03 16.06E–.03 0 64 1-4
ISCJB II 21 23 46 17.1–.70 51.48N–.03 16.05E–.04 0 ¶11714016
IPEC II 21 23 46 17.2–.27 51.61N 16.16E 0 2.1L
CSEM II 21 23 46 18.8–.30 51.48N 16.03E 2 3.3L
PRU II 21 23 46 19.7 51.48N 16.04E 0 3.3L
VIE II 21 23 46 21.1–.51 51.29N 16.04E 0 2.7L,1.9b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.3km s-min=3.2km az=20.9.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=44.0.
CSEM Event type ki. Error ellipse: s-maj=5.1km s-min=3.0km az=8.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.2km s-min=3.0km az=171.0. 71 km WNW of Wroclaw . Suspected Mining induced.
(548) Poland
WAR II 22 06 18 37.5 51.54N 16.07E
CSEM II 22 06 18 38.1–.40 51.46N 16.06E 2 2.8L ¶11714019
PRU II 22 06 18 39.3 51.44N 16.06E 0 2.8L
CSEM Event type ki. Error ellipse: s-maj=7.2km s-min=3.3km az=178.0.
PRU Event type ki.
(366) Turkey
ISC II 22 09 55 05.1–.95 39.46N–.02 28.18E–.03 0 40 0-2
ISCJB II 22 09 55 04.8–.44 39.45N–.03 28.19E–.04 0 ¶13434970
ISK II 22 09 55 04.7 39.45N 28.19E 8 2.8
DDA II 22 09 55 05.1 39.47N 28.16E 7 2.8
CSEM II 22 09 55 05.0–.18 39.46N 28.18E 1 2.8
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.3km s-min=3.5km az=140.2.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=3.2km az=50.0.
(547) Czech and Slovak Republics
CSEM II 22 17 54 09.3–.31 49.78N 18.55E 1 1.9L
IPEC II 22 17 54 09.9–.18 49.82N 18.55E 0 1.0L ¶11714020
PRU II 22 17 54 10.7 49.84N 18.50E 0 1.0L
CSEM Event type ki. Error ellipse: s-maj=8.5km s-min=3.9km az=163.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type ki.
(366) Turkey
ISC II 23 10 27 38.7–.97 39.46N–.03 28.16E–.03 0 42 0-1
DDA II 23 10 27 38.9 39.46N 28.09E 7 2.8 ¶13435013
ISCJB II 23 10 27 39.6–.46 39.45N–.03 28.19E–.04 0 2.8
ISK II 23 10 27 39.1 39.43N 28.15E 17 2.3
CSEM II 23 10 27 39.5–.28 39.46N 28.17E 1 2.3
ISC Event type ki.
DDA Event type ke.
ISCJB Event type ki. Error ellipse: s-maj=4.9km s-min=3.0km az=140.0.
CSEM Event type ki. Error ellipse: s-maj=6.5km s-min=4.1km az=48.0.
(543) Germany
VIE II 23 12 05 01.6–.38 50.24N 12.84E 0 2.5L,2.1b
¶14369625
VIE Event type sm. Error ellipse: s-maj=4.7km s-min=1.2km az=48.0. 27 km E of Klingenthal . Suspected Mining explosion.
(722) Norway-Murmansk border region
HEL II 24 02 54 29.8–.60 69.47N 30.82E 0 0.9L
¶14384013
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=7.6km az=-1.0. Explosion.
(724) Baltic States - Belarus - Northwestern Russia
HEL II 24 02 55 01.8–.50 67.84N 33.04E 0 2.0L,1.3L
NAO II 24 02 54 59.4–1.6 67.66N 33.80E 2.0L,1.3L ¶13435028
CSEM II 24 02 55 03.1–.39 67.67N 32.71E 2 1.3L,1.3L
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9.4km s-min=6.1km az=66.0. Mining explosion.
(366) Turkey
ISC II 24 11 36 45.7–.82 39.49N–.02 28.15E–.02 0 52 0-2
DDA II 24 11 36 45.9 39.50N 28.16E 8 2.8 ¶13435044
ISCJB II 24 11 36 46.2–.39 39.47N–.03 28.17E–.03 0 2.8
ISK II 24 11 36 46.2 39.46N 28.15E 8 2.8
CSEM II 24 11 36 46.2–.18 39.48N 28.15E 1 2.8
ISC Event type ki.
DDA Event type ke.
ISCJB Event type ki. Error ellipse: s-maj=3.7km s-min=3.5km az=10.3.
CSEM Event type ki. Error ellipse: s-maj=4.0km s-min=3.6km az=13.0.
(366) Turkey
ISC II 24 11 57 49.2–.94 39.47N–.02 28.16E–.02 0 47 0-2
ISK II 24 11 57 48.2 39.46N 28.19E 5 2.7 ¶13435045
ISCJB II 24 11 57 49.2–.43 39.46N–.03 28.17E–.03 0 2.7
DDA II 24 11 57 49.2 39.47N 28.13E 7 2.8
CSEM II 24 11 57 49.3–.15 39.46N 28.18E 1 2.8
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.5km s-min=3.2km az=40.2.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=3.6km s-min=2.6km az=47.0.
(721) Finland
HEL II 24 11 58 48.7–.80 60.35N 22.35E 0 1.6L
CSEM II 24 11 58 48.7 60.35N 22.35E 0 1.6L ¶14384021
HEL Event type kh. Error ellipse: s-maj=4.1km s-min=7.0km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
(721) Finland
HEL II 24 11 59 52.6–.20 60.50N 26.80E 0 1.4L
CSEM II 24 11 59 52.6 60.50N 26.80E 0 1.4L ¶14384022
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
(377) Spain
CSEM II 24 12 57 24.2 42.72N 6.61W 0 1.5L
¶15957115
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.
(536) Sweden
ISC II 24 18 00 31.6–.67 67.07N–.02 20.86E–.03 0 107 1-8
ISCJB II 24 18 00 31.4–.40 67.07N–.02 20.99E–.08 0 ¶13435066
CSEM II 24 18 00 32.4–.16 67.09N 20.88E 2 2.2L
UPP II 24 18 00 32.3 67.07N 20.96E 0 2.2L
IDC II 24 18 00 32.7–.84 67.13N 21.17E 0 3.1,3.0
HEL II 24 18 00 33.1–.10 67.07N 20.91E 0 2.2L,2.0L
NAO II 24 18 00 33.2–.80 67.05N 21.37E 2.4L,2.0L
BER II 24 18 00 34.4–3.3 67.15N 20.79E 0 2.4L,2.0L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.5km s-min=3.1km az=13.4.
CSEM Event type km. Error ellipse: s-maj=3.9km s-min=3.0km az=91.0. Mining explosion.
UPP Event type km. Mining explosion.
IDC Error ellipse: s-maj=14.7km s-min=6.6km az=116.0.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=7.5km s-min=22.3km az=-1.0. Suspected explosion.
(543) Germany
ISC II 24 23 28 29.7–.75 51.47N–.02 6.48E–.02 0 171 0-7
ISCJB II 24 23 28 29.3–.36 51.40N–.02 6.48E–.04 0 ¶11729339
CSEM II 24 23 28 30.5–.24 51.47N 6.52E 1 2.8L
BUG II 24 23 28 30.9 51.51N 6.61E 1 2.3L
BNS II 24 23 28 31.2–.98 51.53N 6.58E 1–9 2.4L
BGR II 24 23 28 31.8–.69 51.49N 6.61E 1 2.5L
STR II 24 23 28 31.1–1.6 51.43N 7.05E 5 2.9L
LDG II 24 23 28 31.5–.10 51.51N 6.54E 1 3.2,2.9L
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.6km s-min=2.5km az=38.7.
CSEM Event type ki. Error ellipse: s-maj=4.8km s-min=3.9km az=128.0.
BUG Event type ki.
BNS Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=134.0.
STR Event type ke.
LDG Event type sr. Error ellipse: s-maj=1.9km s-min=1.8km az=127.0. Suspected Mining induced.
(723) Finland-Karelia border region
ISC II 25 10 00 39.1–1.0 64.76N–.03 30.59E–.07 0 37 1-10
ISCJB II 25 10 00 38.3–.83 64.73N–.04 30.4E–.10 0 ¶12701824
IDC II 25 10 00 39.0–2.5 64.65N 31.05E 0 3.0,2.9
HEL II 25 10 00 39.9–.30 64.71N 30.59E 0 1.8L,2.9
CSEM II 25 10 00 39.9 64.71N 30.59E 0 1.8L,2.9
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=9.1km s-min=5.2km az=177.4.
IDC Error ellipse: s-maj=36.5km s-min=8.8km az=101.0.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=6.1km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
(366) Turkey
ISC II 25 16 34 52.8–.87 37.94N–.02 27.60E–.03 0 42 0-2
ISK II 25 16 34 51.7 37.93N 27.55E 5 2.9 ¶13435089
ISCJB II 25 16 34 52.5–.46 37.95N–.02 27.60E–.05 0 2.9
DDA II 25 16 34 52.7 37.93N 27.61E 7 2.9
CSEM II 25 16 34 52.9–.14 37.94N 27.60E 2 2.9
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=5.4km s-min=3.3km az=12.4.
DDA Event type kh.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=99.0.
(548) Poland
ISC II 27 08 47 49.5–1.2 51.56N–.05 16.07E–.03 0 51 1-4
ISCJB II 27 08 47 48.6–.84 51.48N–.04 16.08E–.04 0 ¶11735217
CSEM II 27 08 47 49.7–.55 51.52N 16.06E 2 3.3L
PRU II 27 08 47 50.8 51.49N 16.07E 0 3.3L
WAR II 27 08 47 50.6 51.54N 16.06E 3.3L
VIE II 27 08 47 52.2–.47 51.33N 16.05E 0 2.7L,2.4b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=6.5km s-min=3.5km az=8.9.
CSEM Event type ki. Error ellipse: s-maj=9.4km s-min=4.7km az=174.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.0km s-min=2.5km az=0.0. 71 km WNW of Wroclaw . Suspected Mining induced.
(543) Germany
VIE II 27 11 59 59.5–.32 50.21N 12.74E 0 2.6L,2.1b
¶14369802
VIE Event type sm. Error ellipse: s-maj=3.6km s-min=1.1km az=43.0. 20 km E of Klingenthal . Suspected Mining explosion.
(724) Baltic States - Belarus - Northwestern Russia
ISC II 27 12 47 22.2–2.2 67.63N–.05 34.0E–.10 0 39 0-4
CSEM II 27 12 47 21.6–.53 67.55N 33.93E 1 2.2L ¶16166707
HEL II 27 12 47 21.5–.30 67.63N 34.08E 0 2.2L,1.8L
NAO II 27 12 47 22.1–1.8 67.63N 33.96E 2.2L,1.8L
ISC Event type kh.
CSEM Event type km. Error ellipse: s-maj=9.6km s-min=6.1km az=107.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0. Explosion.
(724) Baltic States - Belarus - Northwestern Russia
ISC II 27 12 48 07.5–.23 5.39S–.03 131.04E–.03 95–1 4.8b 275 1-151
BJI II 27 12 48 02.5 5.92S 131.45E 104 4.9b,4.8b ¶11730415
ISCJB II 27 12 48 03.8–.52 5.41S–.04 131.07E–.03 74–4 4.8b,4.8b
DJA II 27 12 48 05 5.05S 131.24E 10 5.1b,4.8b
NEIC II 27 12 48 07.6–.27 5.55S 130.99E 96 5.0b,4.8b
MOS II 27 12 48 08.5–1.3 5.38S 131.05E 114 4.8b,4.8b
IDC II 27 12 48 08.8–.40 5.40S 131.03E 98–3 4.4,4.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=43.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.5km az=60.0.
MOS Error ellipse: s-maj=14.1km s-min=6.7km az=114.9.
IDC Error ellipse: s-maj=15.6km s-min=9.1km az=71.0.
(460) Wyoming
ISC II 27 22 03 39.3–.53 43.66N–.02 105.26W–.02 0 3.9b 161 0-90

IDC II 27 22 03 35.4–2.2 42.97N 105.00W 0 4.1,4.0 ¶12702055
ISCJB II 27 22 03 40.1–.19 43.74N–.01 105.30W–.02 0 3.9b,4.0
NEIC II 27 22 03 40.1–.45 43.72N 105.19W 0 3.4L,4.0
ISC Event type sm.
IDC Error ellipse: s-maj=51.4km s-min=24.1km az=146.0.
ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.5km az=171.1.
NEIC Event type fm. Error ellipse: s-maj=8.4km s-min=5.1km az=154.0. 70 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC II 28 04 42 42.7–.50 51.49N–.02 16.09E–.02 0 3.6b 294 1-84
STR II 28 04 42 31.3–1.1 53.70N 15.87E 2 4.3L ¶15245962
ISCJB II 28 04 42 40.2–.18 51.55N–.01 16.09E–.02 0 3.6b
CSEM II 28 04 42 41.9–.09 51.56N 16.12E 0 4.3L,4.0s
IPEC II 28 04 42 41.0–.22 51.61N 16.23E 0 3.5L,4.0s
IDC II 28 04 42 42.9–.48 51.53N 16.02E 0 3.8,3.8
LDG II 28 04 42 42.1–.14 51.46N 16.03E 1 4.3L,3.8
PRU II 28 04 42 43.4 51.50N 16.12E 0 4.3L,3.8
BNS II 28 04 42 43.9–.42 51.48N 16.17E 5 3.6L,3.8
BGR II 28 04 42 43.3–.45 51.48N 16.14E 1 3.9L,3.8
WAR II 28 04 42 44.1 51.47N 16.10E 3.9L,3.8
VIE II 28 04 42 45.8–.39 51.28N 15.98E 1 4.0s,3.5L
UPP II 28 04 42 45.9 51.73N 15.45E 0 2.9L,3.5L
ISC Event type ki.
STR Event type ke.
ISCJB Event type sr. Error ellipse: s-maj=1.8km s-min=1.8km az=41.6.
CSEM Event type ki. Error ellipse: s-maj=2.1km s-min=1.8km az=47.0.
IPEC Event type ki. Error ellipse: s-maj=1.5km s-min=1.4km az=107.0.
IDC Error ellipse: s-maj=9.0km s-min=5.7km az=102.0.
LDG Event type sr. Error ellipse: s-maj=3.9km s-min=2.6km az=178.0. Suspected Mining induced.
PRU Event type ki.
BNS Event type ke.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=3.3km az=16.0.
VIE Event type sr. Error ellipse: s-maj=2.5km s-min=2.1km az=178.0. 74 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC II 28 09 26 18.5–.87 51.53N–.04 16.13E–.02 0 121 1-19
ISCJB II 28 09 26 17.0–.48 51.48N–.03 16.09E–.03 0 ¶11735229
IPEC II 28 09 26 17.3–.25 51.60N 16.18E 0 2.7L
CSEM II 28 09 26 18.4–.19 51.51N 16.11E 2 3.8L
IDC II 28 09 26 19.4–.85 51.47N 16.06E 0 3.5,3.4
PRU II 28 09 26 19.5 51.48N 16.07E 0 3.5,3.4
VIE II 28 09 26 19.8–.35 51.37N 16.13E 0 3.1L,2.6b
WAR II 28 09 26 20.0 51.47N 16.10E 3.1L,2.6b
BGR II 28 09 26 20.2–.45 51.49N 16.06E 1 3.1L,2.6b
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.9km s-min=2.3km az=14.6.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.5km az=48.0.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=2.0km az=15.0.
IDC Error ellipse: s-maj=17.7km s-min=7.9km az=101.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.3km s-min=2.2km az=43.0. 69 km WNW of Wroclaw . Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=14.0.

(366) Turkey

ISC II 28 11 38 44.5–1.2 39.42N–.04 28.14E–.03 0 24 0-1
ISCJB II 28 11 38 43.7–.79 39.39N–.05 28.14E–.05 0 ¶13435198
ISK II 28 11 38 43.2 39.41N 28.14E 2 2.7
DDA II 28 11 38 44.1 39.45N 28.12E 7 2.7
CSEM II 28 11 38 44.1–.22 39.42N 28.14E 1 2.7
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.1km s-min=4.7km az=31.1.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=6.1km s-min=3.4km az=40.0.

(547) Czech and Slovak Republics

ISC II 28 13 38 43.5–.70 49.80N–.03 18.50E–.02 0 73 0-12
IDC II 28 13 38 42.5–1.3 49.49N 18.83E 0 3.3,3.2 ¶11735231
ISCJB II 28 13 38 42.4–.37 49.82N–.03 18.46E–.03 0 3.3,3.2
VIE II 28 13 38 43.7–.41 49.65N 18.52E 0 2.4L,2.1b
CSEM II 28 13 38 43.9–.16 49.79N 18.48E 1 2.8L,2.1b
PRU II 28 13 38 44.9 49.83N 18.49E 0 2.8L,2.1b
IPEC II 28 13 38 44.0–.18 49.78N 18.57E 0 2.2L,2.1b
ISC Event type ki.
IDC Error ellipse: s-maj=23.3km s-min=8.9km az=156.0.
ISCJB Event type sr. Error ellipse: s-maj=3.8km s-min=2.4km az=9.5.
VIE Event type sr. Error ellipse: s-maj=2.8km s-min=2.3km az=98.0. 28 km SE of Ostrava . Suspected Mining induced.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=2.5km az=14.0.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.

(536) Sweden

ISC II 28 15 34 07.1–.63 58.83N–.02 15.08E–.02 0 3.4b 142 1-47
ISCJB II 28 15 34 07.3–.28 58.88N–.02 15.27E–.04 0 3.5b ¶13435204
IDC II 28 15 34 08.4–1.1 58.75N 14.94E 0 3.4,3.4
CSEM II 28 15 34 08.7–.13 58.84N 15.12E 2 3.2L,3.4
UPP II 28 15 34 08.6 58.82N 15.11E 0 3.2L,3.4
NAO II 28 15 34 09.6–2.1 58.83N 15.09E 2.5L,3.4
HEL II 28 15 34 09.4–.10 58.82N 15.12E 0 3.2L,2.5L
BER II 28 15 34 12.1–5.0 58.92N 15.23E 0 2.5L,2.5L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.4km s-min=2.7km az=28.1.
IDC Error ellipse: s-maj=12.7km s-min=7.1km az=37.0.
CSEM Event type km. Error ellipse: s-maj=3.6km s-min=2.7km az=119.0. Mining explosion.
UPP Event type km. Mining explosion.
HEL Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
BER Event type sh. Error ellipse: s-maj=25.5km s-min=22.9km az=-1.0. Suspected explosion.

(535) Southern Norway

BER II 28 17 14 54.2–3.0 59.10N 9.60E 0 2.0,1.3L
UPP II 28 17 14 49.9 59.07N 9.53E 0 1.8L,1.3L ¶13435207
CSEM II 28 17 14 51.4–.18 59.05N 9.70E 2 1.3L,1.3L
BER Event type sh. Error ellipse: s-maj=9.0km s-min=23.1km az=-1.0. Suspected explosion.
UPP Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=6.5km s-min=3.4km az=25.0. Suspected Mining explosion.

(548) Poland

WAR II 28 18 31 54.7 50.26N 18.76E
CSEM II 28 18 31 54.7–.24 50.33N 18.68E 2 2.5L ¶11735234
IPEC II 28 18 31 55.3–.22 50.27N 18.76E 3–2 1.6L
PRU II 28 18 31 57.3 50.27N 18.55E 0 1.6L
CSEM Event type ki. Error ellipse: s-maj=6.0km s-min=3.0km az=172.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=167.0.
PRU Event type ki.

(366) Turkey

ISC III 01 03 11 11.2–.74 39.33N–.02 29.17E–.02 0 108 0-2
ISK III 01 03 11 10.8 39.32N 29.18E 5 3.1 ¶13435234
DDA III 01 03 11 11.0 39.34N 29.16E 8 3.1
ISCJB III 01 03 11 11.3–.27 39.32N–.02 29.16E–.02 0 3.1
CSEM III 01 03 11 11.6–.11 39.32N 29.17E 2 3.1
ISC Event type ki.
DDA Event type ke.
ISCJB Event type ki. Error ellipse: s-maj=2.7km s-min=2.6km az=5.9.
CSEM Event type ki. Error ellipse: s-maj=2.4km s-min=2.3km az=175.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC III 01 05 56 20.1–1.8 67.60N–.04 33.6E–.10 0 51 2-12
NAO III 01 05 56 24.9–2.5 67.56N 32.92E 2.4L ¶13435242
HEL III 01 05 56 24.0–.90 67.90N 32.97E 0 1.9L
IDC III 01 05 56 24.3–2.7 67.67N 33.19E 0 3.1,3.1
CSEM III 01 05 56 26.4–.96 67.70N 32.51E 1 1.9L,3.1
ISC Event type kh.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=3.3km s-min=13.0km az=-1.0. Explosion.
IDC Error ellipse: s-maj=30.3km s-min=9.4km az=74.0.
CSEM Event type km. Error ellipse: s-maj=22.8km s-min=9.3km az=97.0. Mining explosion.

(366) Turkey

ISC III 01 06 31 38.8–1.0 39.20N–.02 29.36E–.02 4–10 46 0-2
DDA III 01 06 31 38.6 39.17N 29.34E 7 2.5 ¶13435247
ISK III 01 06 31 38.8 39.22N 29.41E 11 2.6
CSEM III 01 06 31 38.8–.17 39.21N 29.36E 1 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=3.3km az=131.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC III 01 10 35 47.7–2.1 67.59N–.05 33.3E–.10 0 23 1-12
HEL III 01 10 35 44.5–.40 67.66N 34.04E 0 2.3L ¶12702181
IDC III 01 10 35 48.1–1.8 67.72N 33.56E 0 3.5,3.5
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=6.0km az=-1.0. Explosion.
IDC Error ellipse: s-maj=19.2km s-min=9.2km az=82.0.

(460) Wyoming

ISC III 01 21 01 38.9–.55 43.63N–.02 105.17W–.02 0 3.6b 126 0-90
IDC III 01 21 01 37.3–2.2 43.45N 105.24W 0 3.7,3.6b ¶12702215
ISCJB III 01 21 01 38.3–.24 43.72N–.02 105.26W–.02 0 3.7b,3.6b
NEIC III 01 21 01 39.7–.34 43.74N 105.21W 0 3.3L,3.6b
ISC Event type sm.
IDC Error ellipse: s-maj=57.2km s-min=7.6km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=2.6km s-min=2.3km az=12.1.
NEIC Event type fm. Error ellipse: s-maj=6.3km s-min=4.4km az=157.0. 70 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC III 02 00 53 30.2–.90 51.56N–.03 16.14E–.03 0 43 1-4
ISCJB III 02 00 53 28.4–.62 51.54N–.03 16.12E–.04 0 ¶11754796
CSEM III 02 00 53 30.0–.43 51.53N 16.12E 2 3.1L
PRU III 02 00 53 31.8 51.49N 16.12E 0 3.1L
WAR III 02 00 53 31.0 51.54N 16.03E 3.1L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.4km s-min=3.4km az=28.3.
CSEM Event type ki. Error ellipse: s-maj=8.1km s-min=6.2km az=75.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC III 02 11 32 10.5–.83 59.47N–.03 26.88E–.04 0 82 1-10
HEL III 02 11 32 08.8–.50 59.29N 27.28E 0 2.1L ¶13435371
NAO III 02 11 32 08.4–1.1 59.29N 27.16E 2.3L
ISCJB III 02 11 32 11.5–.51 59.53N–.02 26.91E–.07 0 2.3L
IDC III 02 11 32 11.3–1.1 59.47N 27.04E 0 3.6,3.5
CSEM III 02 11 32 12.6–.33 59.54N 26.97E 2 2.8L,3.5
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=5.5km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
ISCJB Event type km. Error ellipse: s-maj=5.5km s-min=3.1km az=3.0.
IDC Error ellipse: s-maj=13.3km s-min=9.8km az=89.0.
CSEM Event type km. Error ellipse: s-maj=7.0km s-min=4.6km az=103.0. Mining explosion.

(543) Germany

ISC III 02 13 24 54.4–.79 51.52N–.03 6.49E–.03 0 80 0-7
ISCJB III 02 13 24 54.4–.47 51.46N–.02 6.46E–.05 0 ¶11752963
LDG III 02 13 24 54.7–.18 51.60N 6.53E 1 2.8,2.7L
BNS III 02 13 24 55.5–.99 51.53N 6.54E 1 2.1L,2.7L
BUG III 02 13 24 55.2 51.44N 6.62E 1 1.9L,2.7L
CSEM III 02 13 24 55.0–.34 51.51N 6.48E 1 2.8L,2.7L
BGR III 02 13 24 57.0–.36 51.48N 6.62E 1 2.3L,2.7L
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.9km s-min=2.6km az=36.1.
LDG Event type sr. Error ellipse: s-maj=3.0km s-min=2.2km az=25.0. Suspected Mining induced.
BNS Event type ki.
BUG Event type ki.
CSEM Event type ki. Error ellipse: s-maj=7.4km s-min=4.8km az=130.0.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=3.3km az=124.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC III 02 19 25 25.8–2.4 67.77N–.05 33.2E–.10 0 28 1-7
HEL III 02 19 25 23.9–.70 67.72N 33.63E 0 ¶13435401
NAO III 02 19 25 23.5–3.2 67.50N 33.17E 2.5L
CSEM III 02 19 25 24.7–.49 67.76N 33.38E 2 2.5L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=3.0km s-min=4.4km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=10.2km s-min=5.4km az=88.0. Mining explosion.

(460) Wyoming

ISC III 03 00 13 03.5–.64 43.66N–.02 105.37W–.02 0 183 0-20
IDC III 03 00 13 01.3–2.3 43.49N 105.32W 0 3.6,3.4L ¶12702309
ISCJB III 03 00 13 03.2–.18 43.70N–.01 105.34W–.02 0 3.6,3.4L
NEIC III 03 00 13 04.2–.61 43.73N 105.30W 0 2.8L,3.4L
ISC Event type sm.
IDC Error ellipse: s-maj=53.6km s-min=9.4km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.7km az=160.5.
NEIC Event type fm. Error ellipse: s-maj=9.1km s-min=6.4km az=63.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC III 03 00 22 49.9–.82 50.18N–.04 19.06E–.02 0 50 0-4
ISCJB III 03 00 22 48.4–.56 50.27N–.04 19.01E–.03 0 ¶11754810
IPEC III 03 00 22 49.7–.19 50.29N 19.06E 0 1.9L
PRU III 03 00 22 50.7 50.22N 19.03E 0 1.9L
CSEM III 03 00 22 50.0–.34 50.24N 19.03E 2 2.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.9km s-min=2.6km az=13.7.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=169.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9.1km s-min=3.7km az=8.0.

(366) Turkey

ISC III 03 06 58 19.7–1.2 37.18N–.03 28.59E–.02 3–10 47 0-1
ISK III 03 06 58 18.6 37.15N 28.59E 11 2.7 ¶13435440
CSEM III 03 06 58 19.2–.25 37.15N 28.60E 1 2.7
DDA III 03 06 58 20.6 37.22N 28.57E 7 2.8
ISC Event type ke.
CSEM Event type ki. Error ellipse: s-maj=5.6km s-min=4.1km az=168.0.
DDA Event type ke.

(543) Germany

ISC III 03 12 29 57.8–5.8 50.2N–.10 12.5E–.30 0 5 3-3
VIE III 03 12 29 59.6–.47 50.24N 12.77E 0 2.5L,2.1b ¶14369825
ISC Event type sm.
VIE Event type sm. Error ellipse: s-maj=5.1km s-min=1.5km az=40.0. 22 km E of Klingenthal . Suspected Mining explosion.

(366) Turkey

ISC III 03 13 49 51.0–1.3 39.33N–.03 29.21E–.03 0–15 25 0-1
DDA III 03 13 49 50.9 39.29N 29.22E 7 2.6 ¶13435469
CSEM III 03 13 49 51.1–.29 39.33N 29.20E 2 2.5
ISK III 03 13 49 53.2 39.49N 29.45E 14 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=7.2km s-min=5.4km az=149.0.

(366) Turkey

ISC III 03 17 40 20.9–1.1 39.33N–.03 29.18E–.03 4–11 28 0-1
ISK III 03 17 40 19.9 39.34N 29.57E 26 2.2 ¶13435485
DDA III 03 17 40 20.6 39.32N 29.15E 7 2.7
CSEM III 03 17 40 20.5–.23 39.32N 29.18E 2 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=5.7km s-min=4.9km az=10.0.

(548) Poland

ISC III 03 19 31 53.3–.79 50.25N–.04 18.86E–.02 0 67 0-5
ISCJB III 03 19 31 52.5–.47 50.28N–.04 18.85E–.03 0 ¶11754820
CSEM III 03 19 31 53.8–.26 50.25N 18.84E 2 2.7L
IPEC III 03 19 31 53.1–.17 50.29N 18.87E 0–1 1.9L
PRU III 03 19 31 54.4 50.26N 18.86E 0 1.9L

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.3km s-min=2.4km az=15.3.
CSEM Event type ki. Error ellipse: s-maj=7.0km s-min=2.9km az=4.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=0.8km az=171.0.
PRU Event type ki.

(460) Wyoming

ISC	**III**	**03 20 04 21.7–.82**	**43.54N–.02**	**105.36W–.02**	**0**		**103**	**0-62**
ISCJB	III	03 20 04 21.0–.21	43.53N–.01	105.36W–.02	0			**¶12702381**
NEIC	III	03 20 04 21.7–.60	43.56N	105.30W	0	3.1L		
IDC	III	03 20 04 50.1–2.2	43.39N	105.16W	0	4.6b,3.9		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=2.1km az=171.5.
NEIC Event type fm. Error ellipse: s-maj=8.1km s-min=7.4km az=217.0. 80 km [50 miles] ENE of Midwest. Suspected Mining explosion.
IDC Error ellipse: s-maj=49.7km s-min=9.8km az=155.0.

(366) Turkey

ISC	**III**	**04 09 53 42.8–1.1**	**37.23N–.04**	**28.23E–.04**	**0**		**22**	**0-1**
ISK	III	04 09 53 42.8	37.24N	28.22E	7	2.4		**¶13435515**
ISCJB	III	04 09 53 43.2–.80	37.24N–.05	28.22E–.05	0	2.4		
DDA	III	04 09 53 43.3	37.24N	28.18E	7	2.8		
CSEM	III	04 09 53 43.2–.23	37.25N	28.22E	1	2.4		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.5km s-min=4.2km az=33.9.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=5.0km s-min=3.3km az=39.0.

(366) Turkey

ISC	**III**	**04 10 04 51.7–1.1**	**37.27N–.04**	**28.26E–.05**	**0**		**20**	**0-1**
ISK	III	04 10 04 50.4	37.12N	28.46E	2	2.0		**¶13435516**
DDA	III	04 10 04 51.4	37.23N	28.19E	7	2.8		
ISCJB	III	04 10 04 52.5–.72	37.23N–.05	28.18E–.05	0	2.8		
CSEM	III	04 10 04 52.4–.76	37.23N	28.29E	1	2.8		

ISC Event type ki.
DDA Event type ke.
ISCJB Event type ki. Error ellipse: s-maj=8.0km s-min=4.1km az=38.6.
CSEM Event type ki. Error ellipse: s-maj=18.3km s-min=9.6km az=54.0.

(460) Wyoming

ISC	**III**	**04 17 53 39.5–.64**	**43.62N–.02**	**105.28W–.02**	**0**		**94**	**0-62**
IDC	III	04 17 53 37.0–2.4	43.16N	105.16W	0	3.8,3.6		**¶12702441**
ISCJB	III	04 17 53 40.4–.22	43.69N–.02	105.30W–.02	0	4.3b,3.6		
NEIC	III	04 17 53 40.8–.69	43.67N	105.15W	0	2.8L,3.6		

ISC Event type sm.
IDC Error ellipse: s-maj=48.1km s-min=9.2km az=156.0.
ISCJB Event type fm. Error ellipse: s-maj=2.5km s-min=2.2km az=160.1.
NEIC Event type fm. Error ellipse: s-maj=10.8km s-min=8.6km az=173.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**III**	**04 21 04 57.9–.49**	**43.64N–.02**	**105.28W–.02**	**0**	**3.5b**	**185**	**0-90**
IDC	III	04 21 04 57.1–.83	43.50N	105.31W	0	3.9L,3.8		**¶12702454**
ISCJB	III	04 21 04 58.3–.19	43.73N–.01	105.30W–.02	0	3.6b,3.8		
NEIC	III	04 21 04 58.6–.45	43.67N	105.22W	0	3.1L,3.8		

ISC Event type sm.
IDC Error ellipse: s-maj=18.1km s-min=8.7km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=1.9km az=161.4.
NEIC Event type fm. Error ellipse: s-maj=7.3km s-min=6.1km az=205.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(367) Turkey-Georgia-Armenia border region

ISC	**III**	**05 14 05 37.0–.84**	**41.40N–.04**	**41.28E–.03**	**0**		**50**	**0-3**
ISK	III	05 14 05 36.5	41.53N	41.26E	14	2.9		**¶13435560**
ISCJB	III	05 14 05 37.9–.49	41.34N–.04	41.32E–.03	0	2.9		
DDA	III	05 14 05 37.8	41.32N	41.34E	7	3.1		
CSEM	III	05 14 05 38.0–.23	41.33N	41.31E	2	3.1		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.5km s-min=3.0km az=158.6.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=7.3km s-min=3.6km az=156.0.

(460) Wyoming

ISC	**III**	**05 19 31 53.5–.57**	**43.98N–.02**	**105.30W–.02**	**0**		**156**	**0-89**
ISCJB	III	05 19 31 53.2–.18	43.97N–.01	105.31W–.02	0	4.0b		**¶12702512**
IDC	III	05 19 31 54.7–.97	44.29N	105.72W	0	4.0b,3.8		
NEIC	III	05 19 31 54.6–.54	43.91N	105.16W	0	3.4L,3.8		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.7km az=166.8.
IDC Error ellipse: s-maj=22.3km s-min=8.5km az=143.0.
NEIC Event type fm. Error ellipse: s-maj=9.4km s-min=6.3km az=172.0. 50 km [30 miles] SE of Gillette. ML 3.4 [GS]. Suspected Mining explosion.

(548) Poland

PRU	**III**	**05 19 46 49.5**	**50.24N**	**18.86E**	**0**			**¶11788705**

PRU Event type ki.

(548) Poland

ISC	**III**	**05 20 53 46.9–.82**	**50.22N–.04**	**18.95E–.02**	**0**		**49**	**1-4**
ISCJB	III	05 20 53 45.7–.53	50.24N–.04	18.94E–.03	0			**¶11788708**
CSEM	III	05 20 53 46.9–.24	50.23N	18.95E	2	2.7L		
PRU	III	05 20 53 47.6	50.23N	18.94E	0	2.7L		
WAR	III	05 20 53 47.3	50.23N	19.03E		2.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=2.5km az=13.1.
CSEM Event type ki. Error ellipse: s-maj=6.6km s-min=2.7km az=11.0.
PRU Event type ki.

(548) Poland

ISC	**III**	**06 00 10 23.9–1.7**	**51.66N–.07**	**16.10E–.05**	**0**		**52**	**1-4**
PRU	III	06 00 10 25.6	51.56N	16.05E	0			**¶11788713**
CSEM	III	06 00 10 25.3–.56	51.54N	16.02E	2	3.1L		
WAR	III	06 00 10 27.8	51.47N	16.10E		3.1L		
VIE	III	06 00 10 28.4–.35	51.29N	16.17E	0	2.3L,2.0b		

ISC Event type ki.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9.2km s-min=5.8km az=21.0.
VIE Event type sr. Error ellipse: s-maj=2.2km s-min=2.1km az=172.0. 62 km WNW of Wroclaw . Suspected Mining induced.

(536) Sweden

ISC	**III**	**06 00 30 30.4–.68**	**67.83N–.02**	**20.31E–.02**	**0**		**83**	**0-8**
ISCJB	III	06 00 30 30.2–.36	67.84N–.03	20.18E–.06	0			**¶13435573**
CSEM	III	06 00 30 31.2–.16	67.85N	20.18E	2	1.9L		
UPP	III	06 00 30 31.0	67.85N	20.20E	0	1.9L		
NAO	III	06 00 30 31.4–1.3	67.81N	20.55E		2.3L		
HEL	III	06 00 30 31.6–.10	67.86N	20.19E	0	1.9L,1.8L		
IDC	III	06 00 30 32.6–1.1	67.84N	20.48E	0	3.0,2.9		
BER	III	06 00 30 32.8–3.6	67.81N	20.25E	0	2.3L,2.0L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.0km s-min=3.1km az=155.6.
CSEM Event type km. Error ellipse: s-maj=4.1km s-min=3.4km az=136.0. Mining explosion.
UPP Event type km. Mining explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=16.9km s-min=8.3km az=119.0.
BER Event type sh. Error ellipse: s-maj=6.7km s-min=14.4km az=-1.0. Suspected explosion.

(548) Poland

ISC	**III**	**06 05 00 21.2–1.2**	**51.46N–.05**	**16.07E–.03**	**0**		**45**	**1-3**
ISCJB	III	06 05 00 19.6–.83	51.44N–.04	16.08E–.04	0			**¶11788718**
WAR	III	06 05 00 20.0	51.54N	16.07E				
CSEM	III	06 05 00 21.0–.50	51.44N	16.06E	2	3.0L		
PRU	III	06 05 00 22.0	51.43N	16.08E	0	3.0L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.3km s-min=3.2km az=17.4.
CSEM Event type ki. Error ellipse: s-maj=8.7km s-min=4.5km az=6.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**III**	**06 10 22 11.0–.91**	**59.31N–.03**	**27.10E–.05**	**0**		**65**	**1-10**
ISCJB	III	06 10 22 10.4–.63	59.33N–.03	27.05E–.09	0			**¶13435588**
NAO	III	06 10 22 11.9–1.0	59.31N	26.82E		2.2L		
CSEM	III	06 10 22 12.2–.35	59.31N	27.13E	1	2.2L		
BER	III	06 10 22 12.9–2.6	59.33N	27.01E	0	2.2L		
HEL	III	06 10 22 12.4–.60	59.31N	27.16E	0	1.9L,1.4L		
IDC	III	06 10 22 14.4–2.3	59.45N	26.93E	0	3.2,3.1		
UPP	III	06 10 22 15.3	59.29N	26.64E	0	1.4L,3.1		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.3km s-min=3.9km az=9.3.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=8.7km s-min=5.4km az=101.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=4.7km s-min=16.6km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=2.5km s-min=5.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=22.0km s-min=14.2km az=117.0.
UPP Event type sm. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**III**	**06 12 36 18.4–2.6**	**67.74N–.05**	**33.5E–.10**	**0**		**36**	**0-7**
HEL	III	06 12 36 15.0–.50	67.64N	34.15E	0	1.9L,1.1L		**¶13435596**
NAO	III	06 12 36 16.1–1.9	67.55N	33.78E		2.5L,1.1L		
UPP	III	06 12 36 17.2	67.72N	33.79E	0	1.1L,1.1L		
CSEM	III	06 12 36 17.5–.41	67.66N	33.58E	2	2.5L,1.1L		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0. Explosion.
UPP Event type sm. Suspected Mining explosion.
CSEM Event type km. Error ellipse: s-maj=6.9km s-min=5.2km az=89.0. Mining explosion.

(460) Wyoming

ISC	**III**	**06 21 02 23.8–.53**	**43.76N–.02**	**105.23W–.02**	**0**	**3.7b**	**228**	**0-90**
IDC	III	06 21 02 22.9–1.8	43.66N	105.37W	0	3.8,3.7b		**¶12702587**
ISCJB	III	06 21 02 23.5–.17	43.79N–.01	105.28W–.02	0	3.8b,3.7b		
NEIC	III	06 21 02 24.4–.52	43.82N	105.14W	0	3.4L,3.7b		

ISC Event type sm.
IDC Error ellipse: s-maj=50.5km s-min=8.3km az=149.0.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.6km az=155.6.
NEIC Event type fm. Error ellipse: s-maj=7.8km s-min=6.4km az=175.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**III**	**06 21 08 01.4–1.7**	**51.43N–.08**	**16.09E–.05**	**0**		**40**	**1-3**
WAR	III	06 21 08 00.1	51.54N	16.07E				**¶11788739**
CSEM	III	06 21 08 01.1–.77	51.44N	16.08E	2	3.1L		
PRU	III	06 21 08 02.1	51.43N	16.10E	0	3.1L		

ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=12.8km s-min=6.7km az=21.0.
PRU Event type ki.

(536) Sweden

ISC	**III**	**07 00 37 40.8–.90**	**67.83N–.03**	**20.21E–.03**	**0**		**37**	**0-8**
CSEM	III	07 00 37 40.9–.13	67.85N	20.19E	2	1.3L		**¶16392049**
UPP	III	07 00 37 40.7	67.84N	20.19E	0	1.3L		
ISCJB	III	07 00 37 40.4–.51	67.85N–.04	20.21E–.08	0	1.3L		
HEL	III	07 00 37 41.5–.10	67.85N	20.20E	0	1.3L		
NAO	III	07 00 37 41.1–2.6	67.74N	20.63E		2.1L		
BER	III	07 00 37 42.7–2.1	67.77N	20.25E	0	2.1L,1.9L		

ISC Event type km.
CSEM Event type km. Error ellipse: s-maj=3.2km s-min=2.6km az=138.0. Mining explosion.
UPP Event type km. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=5.7km s-min=4.1km az=148.0.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=0.5km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
BER Event type sh. Error ellipse: s-maj=6.2km s-min=17.0km az=-1.0. Suspected explosion.

(536) Sweden

ISC	**III**	**07 00 36 14.7–.39**	**9.45S–.04**	**124.81E–.04**	**32–2**	**4.8b,4.2s**	**180**	**3-154**
BJI	III	07 00 36 08.7	10.02S	125.35E	35	5.1b,4.8s		**¶11788744**
IDC	III	07 00 36 10.4–.57	9.21S	124.69E	0	4.5,4.4		
ISCJB	III	07 00 36 12.2–.23	9.54S–.03	124.89E–.03	35	4.8b,4.2s		
MOS	III	07 00 36 12.0–1.6	9.32S	124.97E	33	5.1b,4.2s		
NEIC	III	07 00 36 14.5–.71	9.33S	124.85E	33–5	5.0b,4.2s		
GCMT	III	07 00 36 15.7–.30	9.27S	124.90E	21–2	5.0W,4.2s		
DJA	III	07 00 36 18.8–.30	10S–2.0	125E–2.0	41–5	5.3b,5.0		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] in Timor Tengah Utara.
GCMT Event type se. Data Used: IC IU G II CN. Moment Tensor Solution. s18,c26; s76,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.54±.16 $M_{\theta\theta}$-2.77±.13; $M_{\phi\phi}$3.31±.14; $M_{r\theta}$0.04±.22; $M_{\theta\phi}$-1.30±.11; $M_{\theta r}$-1.63±.30; Best double couple: NP1:ϕ_s121.00000°,δ71.00000°,λ172.00000°. NP2:ϕ_s214.00000°,δ82.00000°,λ19.00000°. Principal axes: T 4.1300,Plg19.0000° ,Azm79.0000°; N -1.0500,Plg69.0000°,Azm236.0000°; P -3.0700,Plg8.0000°,Azm347.0000° $M_0$3.60000×10^{16}

(548) Poland

ISC	**III**	**07 04 27 39.7–1.4**	**51.45N–.07**	**16.06E–.03**	**0**		**45**	**1-3**
IPEC	III	07 04 27 37.9–.31	51.55N	16.20E	0	1.7L		**¶11788751**
ISCJB	III	07 04 27 38.7–.91	51.38N–.04	16.09E–.04	0	1.7L		
WAR	III	07 04 27 38.3	51.54N	16.03E		1.7L		
CSEM	III	07 04 27 39.1–.42	51.44N	16.09E	2	2.9L		
PRU	III	07 04 27 40.1	51.42N	16.10E	0	2.9L		

ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.5km az=30.0.
ISCJB Event type ki. Error ellipse: s-maj=6.6km s-min=3.5km az=9.9.
CSEM Event type ki. Error ellipse: s-maj=6.9km s-min=3.5km az=18.0.
PRU Event type ki.

(366) Turkey

ISC	**III**	**07 09 35 18.7–.78**	**39.68N–.02**	**29.47E–.02**	**0**		**54**	**0-2**
ISK	III	07 09 35 17.5	39.68N	29.43E	5	2.5		**¶13435645**
ISCJB	III	07 09 35 18.5–.40	39.72N–.02	29.46E–.03	0	2.5		
DDA	III	07 09 35 18.7	39.70N	29.46E	8	2.7		
CSEM	III	07 09 35 18.7–.16	39.70N	29.45E	2	2.5		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.9km s-min=3.5km az=18.8.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=3.1km az=102.0.

(543) Germany

ISC	**III**	**07 11 11 44.7–.81**	**51.55N–.03**	**6.47E–.03**	**0**		**98**	**0-6**
ISCJB	III	07 11 11 44.9–.38	51.45N–.02	6.48E–.04	0			**¶11938341**
CSEM	III	07 11 11 45.2–.30	51.52N	6.50E	1	2.7L		
LDG	III	07 11 11 45.3–.17	51.59N	6.57E	1	2.6L		
BGR	III	07 11 11 46.0–.61	51.48N	6.57E	1	2.3L		
BNS	III	07 11 11 46.4–.70	51.52N	6.58E	1	2.1L		
BUG	III	07 11 11 46.0	51.48N	6.60E	1	2.2L		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.4km s-min=2.4km az=34.9.
CSEM Event type ki. Error ellipse: s-maj=6.3km s-min=4.2km az=140.0.
LDG Event type sr. Error ellipse: s-maj=3.1km s-min=1.9km az=4.0. Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=4.4km az=124.0.
BNS Event type ki.
BUG Event type ki.

(548) Poland

ISC	**III**	**07 16 53 48.4–.93**	**51.59N–.04**	**16.11E–.03**	**0**		**55**	**1-4**
ISCJB	III	07 16 53 47.8–.69	51.51N–.03	16.10E–.04	0			**¶11788782**
IPEC	III	07 16 53 48.8–.28	51.60N	16.18E	0	1.9L		
CSEM	III	07 16 53 49.0–.23	51.55N	16.08E	2	3.2L		
PRU	III	07 16 53 50.5	51.50N	16.10E	0	3.2L		
WAR	III	07 16 53 50.3	51.53N	16.04E		3.2L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.0km s-min=3.1km az=20.9.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.6km az=36.0.
CSEM Event type ki. Error ellipse: s-maj=3.9km s-min=3.1km az=18.0.
PRU Event type ki.

(547) Czech and Slovak Republics

ISC	**III**	**07 18 24 29.3–.82**	**49.81N–.04**	**18.50E–.02**	**0**		**41**	**0-4**
ISCJB	III	07 18 24 27.7–.49	49.86N–.04	18.43E–.03	0			**¶11788785**
CSEM	III	07 18 24 28.8–.26	49.83N	18.46E	2	2.6L		
IPEC	III	07 18 24 28.9–.18	49.81N	18.55E	0	1.9L		
PRU	III	07 18 24 29.8	49.87N	18.47E	0	1.9L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.5km s-min=2.8km az=8.3.

CSEM Event type ki. Error ellipse: s-maj=8.0km s-min=3.6km az=1.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type ki.

(366) Turkey

ISC	**III**	**07 22 14 55.3–.83**	**39.55N–.02**	**29.38E–.02**	**0**		**55**	**0-2**
ISCJB	III	07 22 14 55.3–.38	39.55N–.02	29.37E–.03	0			**¶13435677**
ISK	III	07 22 14 55.6	39.55N	29.46E	14	2.8		
DDA	III	07 22 14 55.7	39.52N	29.33E	7	2.8		
CSEM	III	07 22 14 55.5–.21	39.54N	29.40E	1	2.8		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.7km s-min=3.4km az=37.8.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=4.9km s-min=4.2km az=90.0.

(366) Turkey

ISC	**III**	**08 22 37 05.3–.89**	**39.17N–.02**	**29.42E–.02**	**0**		**76**	**0-2**
ISCJB	III	08 22 37 04.8–.32	39.16N–.02	29.42E–.03	0			**¶13435781**
ISK	III	08 22 37 04.5	39.16N	29.46E	4	2.8		
DDA	III	08 22 37 04.7	39.18N	29.41E	15	2.9		
CSEM	III	08 22 37 05.1–.10	39.17N	29.44E	1	2.9		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.0km s-min=2.7km az=43.2.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=2.1km s-min=2.0km az=65.0.

(377) Spain

CSEM	**III**	**09 09 41 15.2**	**43.23N**	**5.85W**	**0**	**1.2L**	**¶15996253**

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.

(536) Sweden

HEL	**III**	**10 01 49 37.7–.00**	**67.18N**	**20.68E**	**0**	**2.2L,1.7L**	
CSEM	III	10 01 49 36.9–.16	67.18N	20.68E	2	1.7L,1.7L	**¶14608118**
UPP	III	10 01 49 37.2	67.19N	20.67E	0	2.2L,1.7L	

HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=3.8km s-min=3.5km az=47.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.

(383) Northwestern Balkan Peninsula

LJU	**III**	**10 07 55 25.2**	**45.83N**	**15.61E**	**0**	**0.8L**	
CSEM	III	10 07 55 25.2	45.83N	15.61E	0	0.8L	**¶14544187**

LJU Artificial.
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion. After LJU.

(383) Northwestern Balkan Peninsula

LJU	**III**	**10 08 05 59.7**	**45.74N**	**15.30E**	**6**	**1.0L**	
CSEM	III	10 08 05 59.7	45.74N	15.30E	0	1.0L	**¶14544188**

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After LJU.

(548) Poland

ISC	**III**	**10 09 05 25.9–1.2**	**51.48N–.05**	**16.14E–.03**	**0**		**45**	**1-3**
ISCJB	III	10 09 05 24.1–.95	51.48N–.04	16.12E–.04	0			**¶11845764**
WAR	III	10 09 05 25.6	51.54N	16.07E				
CSEM	III	10 09 05 25.7–.54	51.48N	16.13E	2	3.3L		
PRU	III	10 09 05 27.1	51.43N	16.15E	0	3.3L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.6km s-min=3.7km az=14.1.
CSEM Event type ki. Error ellipse: s-maj=8.8km s-min=4.6km az=178.0.
PRU Event type ki.

(548) Poland

PRU	**III**	**10 15 22 48.7**	**50.23N**	**19.04E**	**0**		**¶11845770**

PRU Event type ki.

(548) Poland

ISC	**III**	**10 19 40 57.3–1.0**	**50.28N–.05**	**18.66E–.03**	**0**		**24**	**1-3**
ISCJB	III	10 19 40 55.9–.74	50.31N–.05	18.67E–.04	0			**¶11845772**
WAR	III	10 19 40 56.7	50.25N	18.76E				
PRU	III	10 19 40 57.3	50.32N	18.67E	0			
CSEM	III	10 19 41 04.9–.72	49.97N	18.23E	1			

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.7km s-min=4.0km az=4.9.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=18.9km s-min=9.0km az=12.0.

(548) Poland

CSEM	**III**	**11 00 44 40.9–.22**	**50.39N**	**18.81E**	**2**	**2.0L**		
IPEC	III	11 00 44 40.8–.19	50.40N	18.81E	0	1.0L		**¶11845796**
PRU	III	11 00 44 41.5	50.37N	18.78E	0	1.0L		

CSEM Event type ki. Error ellipse: s-maj=6.5km s-min=2.5km az=172.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=0.8km az=175.0.
PRU Event type ki.

(548) Poland

ISC	**III**	**11 03 22 48.0–.76**	**50.11N–.03**	**18.42E–.02**	**0**		**62**	**0-4**
ISCJB	III	11 03 22 46.5–.47	50.14N–.03	18.36E–.03	0			**¶11845801**
CSEM	III	11 03 22 47.4–.24	50.15N	18.40E	1	2.9L		
WAR	III	11 03 22 48.4	50.08N	18.45E		2.9L		
VIE	III	11 03 22 48.8–.48	49.68N	18.56E	0	2.5L,2.1b		
IPEC	III	11 03 22 48.2–.17	50.08N	18.46E	0–2	2.0L,2.1b		
PRU	III	11 03 22 49.3	50.14N	18.34E	0	2.0L,2.1b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.6km s-min=2.7km az=14.3.
CSEM Event type ki. Error ellipse: s-maj=5.5km s-min=3.1km az=4.0.
VIE Event type sr. Error ellipse: s-maj=3.1km s-min=2.2km az=79.0. 28 km SE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=160.0.
PRU Event type ki.

(366) Turkey

ISC	**III**	**11 06 57 40.6–.94**	**37.21N–.03**	**28.18E–.02**	**0**		**27**	**0-1**
ISK	III	11 06 57 40.2	37.26N	28.20E	5	2.6		**¶13435965**
DDA	III	11 06 57 40.0	37.21N	28.18E	7	2.9		
ISCJB	III	11 06 57 41.2–.56	37.21N–.04	28.21E–.04	0	2.9		
CSEM	III	11 06 57 41.5–.27	37.23N	28.20E	1	2.6		

ISC Event type ki.
DDA Event type ke.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=3.9km az=20.5.
CSEM Event type ki. Error ellipse: s-maj=6.7km s-min=4.9km az=12.0.

(366) Turkey

ISC	**III**	**11 09 21 04.7–.85**	**39.69N–.03**	**29.42E–.03**	**0**		**31**	**0-1**
ISK	III	11 09 21 03.7	39.62N	29.64E	16	2.6		**¶13435977**
ISCJB	III	11 09 21 04.3–.53	39.69N–.03	29.44E–.04	0	2.6		
DDA	III	11 09 21 04.6	39.65N	29.45E	7	2.5		
CSEM	III	11 09 21 04.5–.30	39.67N	29.45E	1	2.6		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.8km s-min=4.0km az=33.9.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=7.0km s-min=5.6km az=111.0.

(723) Finland-Karelia border region

ISC	**III**	**11 10 00 10.0–.94**	**64.84N–.03**	**30.48E–.05**	**0**		**61**	**1-10**
ISCJB	III	11 10 00 08.8–.67	64.85N–.03	30.2E–.10	0			**¶13435983**
NAO	III	11 10 00 09.4–.90	64.78N	30.92E		2.3L		
HEL	III	11 10 00 10.1–.40	64.79N	30.78E	0	1.9L		
CSEM	III	11 10 00 10.7–.29	64.87N	30.44E	2	1.9L		
IDC	III	11 10 00 12.4–1.8	64.80N	30.33E	0	3.1L,3.1		
BER	III	11 10 00 12.1–3.3	64.85N	30.30E	0	2.3L,3.1		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.9km s-min=4.0km az=16.6.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=5.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=7.9km s-min=4.2km az=99.0. Mining explosion.
IDC Error ellipse: s-maj=24.5km s-min=8.0km az=102.0.
BER Event type sh. Error ellipse: s-maj=7.1km s-min=40.6km az=-1.0. Suspected explosion.

(546) Austria

CSEM	**III**	**11 12 59 40.4**	**46.05N**	**13.61E**	**0**	**0.5L**	**¶15996374**

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After LJU.

(548) Poland

CSEM	**III**	**12 02 00 22.3–.20**	**50.09N**	**18.44E**	**1**	**1.6L**		
IPEC	III	12 02 00 22.8–.17	50.04N	18.49E	0	0.9L		**¶11905534**
PRU	III	12 02 00 23.9	50.04N	18.40E	0	0.9L		

CSEM Event type ki. Error ellipse: s-maj=5.1km s-min=2.7km az=160.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=160.0.
PRU Event type ki.

(548) Poland

ISC	**III**	**12 04 17 51.7–.86**	**51.54N–.03**	**16.19E–.02**	**0**		**66**	**1-4**
ISCJB	III	12 04 17 50.3–.57	51.49N–.03	16.18E–.04	0			**¶11905536**
CSEM	III	12 04 17 51.8–.24	51.51N	16.17E	2	3.2L		
WAR	III	12 04 17 53.5	51.47N	16.10E		3.2L		
VIE	III	12 04 17 54.9–.38	51.28N	16.21E	0	2.6L,2.2b		
PRU	III	12 04 17 54.0	51.44N	16.16E	0	2.6L,2.2b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.0km s-min=3.2km az=29.6.
CSEM Event type ki. Error ellipse: s-maj=3.8km s-min=3.6km az=35.0.
VIE Event type sr. Error ellipse: s-maj=2.5km s-min=2.4km az=32.0. 59 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(548) Poland

ISC	**III**	**12 04 59 41.5–.88**	**50.25N–.04**	**18.88E–.02**	**0**		**40**	**1-4**
ISCJB	III	12 04 59 40.4–.60	50.27N–.04	18.83E–.03	0			**¶11905538**
WAR	III	12 04 59 41.8	50.24N	18.94E				
CSEM	III	12 04 59 41.6–.25	50.26N	18.86E	2	2.7L		
PRU	III	12 04 59 42.3	50.25N	18.85E	0	2.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.0km s-min=2.9km az=14.2.
CSEM Event type ki. Error ellipse: s-maj=6.2km s-min=2.9km az=8.0.
PRU Event type ki.

(383) Northwestern Balkan Peninsula

VIE	**III**	**12 08 19 13.2–.80**	**45.82N**	**15.51E**	**0**	**1.6L,1.1b**	**¶14369935**

VIE Event type sm. Error ellipse: s-maj=5.0km s-min=2.7km az=132.0. 16 km S of Krsko . Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**III**	**12 10 09 32.6–1.1**	**59.31N–.04**	**27.18E–.05**	**0**		**52**	**1-10**
NAO	III	12 10 09 33.8–1.0	59.30N	26.83E		2.4L		**¶13436078**
BER	III	12 10 09 34.3–2.2	59.32N	27.06E	0	2.4L		
HEL	III	12 10 09 34.2–.60	59.30N	27.13E	0	1.9L		
CSEM	III	12 10 09 34.0–.40	59.33N	26.98E	2	2.4L		
IDC	III	12 10 09 35.5–1.9	59.41N	27.22E	0	3.1,3.1		

ISC Event type km.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Event type sh. Error ellipse: s-maj=4.0km s-min=18.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=5.3km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=8.7km s-min=6.0km az=107.0. Mining explosion.
IDC Error ellipse: s-maj=16.6km s-min=9.7km az=125.0.

(378) Pyrenees

CSEM	**III**	**12 11 19 20.6**	**42.37N**	**2.97E**	**0**	**1.2L**	**¶15996394**

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.

(377) Spain

CSEM	**III**	**12 11 59 31.2**	**41.80N**	**2.25E**	**0**	**1.1L**	**¶15996399**

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.

(369) Dodecanese Islands

ISC	**III**	**12 16 28 26.9–.96**	**36.93N–.05**	**28.03E–.03**	**0**		**23**	**0-1**
ISCJB	III	12 16 28 27.7–.69	36.99N–.05	28.08E–.03	0			**¶13436105**
CSEM	III	12 16 28 27.6–.41	36.96N	28.08E	1	2.6		
DDA	III	12 16 28 28.7	37.07N	28.05E	7	2.5		
ISK	III	12 16 28 28.6	37.10N	28.03E	5	2.6		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.1km s-min=3.9km az=6.3.
CSEM Event type ki. Error ellipse: s-maj=9.8km s-min=5.3km az=4.0.
DDA Event type ke.

(548) Poland

ISC	**III**	**12 21 14 45.4–.74**	**51.49N–.02**	**16.05E–.02**	**0**		**163**	**1-5**
ISCJB	III	12 21 14 42.2–.35	51.53N–.02	15.98E–.02	0			**¶11905544**
IPEC	III	12 21 14 42.5–.40	51.64N	16.07E	0–2	2.7L		
CSEM	III	12 21 14 43.3–.11	51.57N	16.01E	2	3.5L		
PRU	III	12 21 14 44.0	51.57N	16.01E	0	3.5L		
BGR	III	12 21 14 44.4–.21	51.54N	16.00E	1	3.0L		
VIE	III	12 21 14 46.6–.47	51.35N	15.98E	0	3.1L,2.4b		
WAR	III	12 21 14 46.6	51.47N	16.10E		3.1L,2.4b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=2.7km s-min=2.0km az=29.5.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.7km az=14.0.
CSEM Event type ki. Error ellipse: s-maj=2.2km s-min=1.6km az=24.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=2.2km s-min=2.2km az=17.0.
VIE Event type sr. Error ellipse: s-maj=3.0km s-min=2.8km az=158.0. 77 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC	**III**	**13 00 21 04.6–.69**	**51.49N–.02**	**16.10E–.02**	**0**		**93**	**1-19**
ISCJB	III	13 00 21 02.2–.44	51.52N–.02	16.17E–.03	0			**¶11905548**
IPEC	III	13 00 21 03.0–.28	51.59N	16.19E	0	2.4L		
PRU	III	13 00 21 05.2	51.49N	16.14E	0	2.4L		
WAR	III	13 00 21 05.9	51.48N	16.08E		2.4L		
CSEM	III	13 00 21 05.1–.25	51.45N	16.11E	1	3.3L		
VIE	III	13 00 21 07.1–.40	51.29N	16.13E	0	2.8L,2.2b		
IDC	III	13 00 21 08.1–1.6	51.41N	16.10E	12–11	3.2,3.1		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.3km s-min=2.6km az=18.8.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=35.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=3.9km s-min=3.5km az=177.0.
VIE Event type sr. Error ellipse: s-maj=2.5km s-min=2.3km az=172.0. 65 km WNW of Wroclaw . Suspected Mining induced.
IDC Error ellipse: s-maj=15.9km s-min=9.8km az=113.0.

(723) Finland-Karelia border region

ISC	**III**	**13 10 00 26.5–1.1**	**64.75N–.03**	**30.79E–.07**	**0**		**34**	**1-10**
ISCJB	III	13 10 00 25.2–.75	64.72N–.03	30.5E–.10	0			**¶12703155**
CSEM	III	13 10 00 27.7	64.73N	30.69E	0	1.5L		
HEL	III	13 10 00 27.7–.70	64.73N	30.69E	0	1.5L		
IDC	III	13 10 00 29.0–3.7	64.81N	31.29E	0	3.0,2.9		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=8.9km s-min=3.7km az=172.6.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
HEL Event type kh. Error ellipse: s-maj=3.0km s-min=14.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=51.7km s-min=11.9km az=98.0.

(460) Wyoming

ISC	**III**	**13 19 09 45.6–.64**	**43.60N–.02**	**105.23W–.02**	**0**		**146**	**0-62**
IDC	III	13 19 09 44.2–1.4	43.57N	105.23W	0	3.9b,3.6		**¶12703194**
ISCJB	III	13 19 09 45.6–.19	43.59N–.01	105.26W–.02	0	4.5b,3.6		
NEIC	III	13 19 09 45.7–.53	43.62N	105.14W	0	3.0L,3.6		

ISC Event type sm.
IDC Error ellipse: s-maj=31.3km s-min=8.9km az=150.0.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=1.9km az=156.5.
NEIC Event type fm. Error ellipse: s-maj=7.0km s-min=6.7km az=113.0. 80 km [50 miles] WSW of Newcastle. Suspected Mining explosion.

(460) Wyoming

ISC	**III**	**13 20 17 07.5–.67**	**44.44N–.02**	**105.48W–.02**	**0**		**90**	**0-19**
IDC	III	13 20 17 06.5–1.7	44.54N	105.68W	0	3.3,3.1		**¶12703196**
ISCJB	III	13 20 17 08.0–.23	44.41N–.01	105.47W–.02	0	3.3,3.1		
NEIC	III	13 20 17 07.2–.51	44.55N	105.34W	0	2.9L,3.1		

ISC Event type sm.
IDC Error ellipse: s-maj=65.0km s-min=9.5km az=143.0.

ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=1.9km az=6.3.
NEIC Event type fm. Error ellipse: s-maj=8.2km s-min=5.5km az=200.0. 30 km [20 miles] NNE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**III**	**13 21 29 19.6–.70**	**50.23N–.03**	**18.86E–.02**	**0**		**117**	**0-20**
ISCJB	III	13 21 29 17.3–.43	50.31N–.03	18.84E–.03	0			**¶11905565**
IDC	III	13 21 29 18.9–2.6	50.07N	19.11E	0	3.4,3.3		
CSEM	III	13 21 29 18.9–.18	50.27N	18.86E	2	3.6L,3.3		
PRU	III	13 21 29 19.9	50.25N	18.84E	0	3.6L,3.3		
BGR	III	13 21 29 19.7–.54	50.28N	18.89E	1	3.0L,3.3		
IPEC	III	13 21 29 19.4–.19	50.23N	18.89E	4–1	2.8L,3.3		
VIE	III	13 21 29 23.1–1.4	50.28N	18.18E	0	3.2L,2.0b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.7km s-min=2.2km az=13.9.
IDC Error ellipse: s-maj=52.0km s-min=11.5km az=136.0.
CSEM Event type ki. Error ellipse: s-maj=4.8km s-min=2.0km az=12.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=4.4km az=16.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=168.0.
VIE Event type sr. Error ellipse: s-maj=9.5km s-min=8.9km az=167.0. 50 km N of Ostrava . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**III**	**14 04 59 46.1–1.8**	**67.65N–.04**	**34.2E–.10**	**0**		**48**	**2-12**
ISCJB	III	14 04 59 46.4–1.3	67.72N–.04	34.0E–.20	0			**¶13436240**
CSEM	III	14 04 59 47.0–.76	67.70N	34.16E	1	2.7L		
HEL	III	14 04 59 49.2–.30	67.68N	33.91E	0	2.7L		
IDC	III	14 04 59 50.5–1.7	67.70N	33.70E	0	3.5,3.5		
NAO	III	14 04 59 51.2–1.7	67.62N	33.32E		2.8L,3.5		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=10.8km s-min=6.0km az=0.7.
CSEM Event type km. Error ellipse: s-maj=17.9km s-min=7.7km az=92.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=2.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=18.6km s-min=8.8km az=82.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(548) Poland

ISC	**III**	**14 16 23 45.7–1.2**	**51.49N–.05**	**16.08E–.03**	**0**		**57**	**1-3**
ISCJB	III	14 16 23 44.4–.77	51.44N–.04	16.07E–.04	0			**¶11905583**
WAR	III	14 16 23 44.4	51.56N	16.02E				
IPEC	III	14 16 23 44.5–.29	51.55N	16.19E	0	2.0L		
CSEM	III	14 16 23 45.5–.37	51.46N	16.05E	2	3.1L		
PRU	III	14 16 23 46.4	51.45N	16.09E	0	3.1L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.4km s-min=3.2km az=17.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=33.0.
CSEM Event type ki. Error ellipse: s-maj=6.1km s-min=3.6km az=4.0.
PRU Event type ki.

(460) Wyoming

ISC	**III**	**14 18 05 13.7–.55**	**43.77N–.02**	**105.30W–.02**	**0**	**3.9b**	**122**	**0-93**
ISCJB	III	14 18 05 13.0–.23	43.77N–.02	105.30W–.03	0	3.9b,3.8s		**¶12703282**
IDC	III	14 18 05 13.7–.88	43.75N	105.42W	0	3.9b,3.8		
NEIC	III	14 18 05 13.9–.28	43.82N	105.21W	0	3.4L,3.8		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.8km s-min=2.3km az=150.3.
IDC Error ellipse: s-maj=18.3km s-min=7.3km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=3.8km s-min=3.3km az=117.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**III**	**14 23 12 25.3–1.6**	**67.67N–.04**	**33.99E–.10**	**0**		**53**	**0-12**
ISCJB	III	14 23 12 23.3–1.3	67.77N–.04	34.0E–.20	0			**¶13436307**
CSEM	III	14 23 12 27.1–.57	67.81N	33.73E	2	2.8L		
NAO	III	14 23 12 27.5–1.2	67.66N	33.77E		2.8L		
IDC	III	14 23 12 28.7–1.8	67.76N	33.85E	0	3.3,3.3		
HEL	III	14 23 12 28.5–.50	67.74N	33.64E	0	2.7L,3.3		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=10.4km s-min=6.4km az=5.2.
CSEM Event type km. Error ellipse: s-maj=11.9km s-min=6.5km az=95.0. Mining explosion.
IDC Error ellipse: s-maj=19.3km s-min=9.2km az=83.0.
HEL Event type kh. Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0. Explosion.

(548) Poland

ISC	**III**	**15 03 16 43.0–1.5**	**51.53N–.07**	**16.15E–.04**	**0**		**52**	**1-3**
ISCJB	III	15 03 16 42.7–.94	51.44N–.04	16.13E–.05	0			**¶11905592**
PRU	III	15 03 16 43.8	51.49N	16.17E	0			
WAR	III	15 03 16 43.1	51.54N	16.07E				
CSEM	III	15 03 16 43.9–.38	51.46N	16.14E	2	2.6L		
IPEC	III	15 03 16 43.3–.21	51.51N	16.18E	0	1.6L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.4km s-min=3.4km az=29.9.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=6.1km s-min=3.4km az=30.0.
IPEC Event type ki. Error ellipse: s-maj=1.5km s-min=0.8km az=33.0.

(366) Turkey

ISC	**III**	**15 08 29 46.0–1.0**	**37.02N–.05**	**28.20E–.03**	**0**		**24**	**0-1**
ISK	III	15 08 29 44.8	37.07N	28.24E	18	1.9L		**¶13436341**
ISCJB	III	15 08 29 45.7–.93	37.00N–.06	28.17E–.04	0	1.9L		
CSEM	III	15 08 29 46.1–.45	37.01N	28.18E	2	1.9L		
DDA	III	15 08 29 47.6	37.11N	28.17E	7	2.7		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.2km s-min=4.4km az=6.7.
CSEM Event type ki. Error ellipse: s-maj=10.7km s-min=5.6km az=8.0.
DDA Event type ke.

(548) Poland

ISC	**III**	**15 16 38 09.4–1.5**	**51.45N–.07**	**16.21E–.04**	**0**		**42**	**1-3**
ISCJB	III	15 16 38 08.3–1.1	51.45N–.05	16.12E–.05	0			**¶11905602**
WAR	III	15 16 38 09.8	51.46N	16.10E				
CSEM	III	15 16 38 09.4–.65	51.44N	16.18E	2	2.7L		
PRU	III	15 16 38 10.3	51.42N	16.19E	0	2.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.5km s-min=3.9km az=20.5.
CSEM Event type ki. Error ellipse: s-maj=10.4km s-min=5.3km az=5.0.
PRU Event type ki.

(548) Poland

ISC	**III**	**16 06 56 51.7–.81**	**50.08N–.03**	**18.41E–.02**	**0**		**47**	**0-4**
ISCJB	III	16 06 56 50.3–.51	50.12N–.03	18.35E–.03	0			**¶12025682**
CSEM	III	16 06 56 51.8–.27	50.09N	18.37E	2	2.8L		
IPEC	III	16 06 56 51.8–.17	50.06N	18.45E	0–3	2.0L		
WAR	III	16 06 56 52.1	50.07N	18.43E		2.0L		
PRU	III	16 06 56 53.5	50.07N	18.32E	0	2.0L		
VIE	III	16 06 56 53.7–1.3	49.73N	18.46E	0	2.4L,1.6b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.7km s-min=2.6km az=11.4.
CSEM Event type ki. Error ellipse: s-maj=6.2km s-min=3.0km az=179.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=160.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=8.8km s-min=5.6km az=117.0. 19 km SE of Ostrava . Suspected Mining induced.

(366) Turkey

DDA	**III**	**16 14 24 11.0**	**39.11N**	**27.57E**	**8**	**2.8**		
CSEM	III	16 14 24 11.0	39.11N	27.57E	8	2.8		**¶15134424**

DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.

(456) Montana

ISC	**III**	**16 16 57 50.6–.71**	**45.75N–.02**	**106.57W–.02**	**0**		**74**	**0-17**
IDC	III	16 16 57 49.8–1.1	45.66N	106.46W	0	3.2,3.1		**¶12703433**
ISCJB	III	16 16 57 50.1–.21	45.85N–.01	106.67W–.02	0	3.2,3.1		
NEIC	III	16 16 57 51.3–1.1	45.64N	106.41W	0	2.6L,3.1		

ISC Event type sm.
IDC Error ellipse: s-maj=34.9km s-min=8.4km az=132.0.
ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.8km az=162.1.
NEIC Event type fm. Error ellipse: s-maj=15.8km s-min=12.6km az=195.0. 35 km [20 miles] SSE of Colstrip. Suspected Mining explosion.

(460) Wyoming

ISC	**III**	**16 18 02 23.7–.56**	**43.66N–.02**	**105.32W–.02**	**0**	**4.1b**	**161**	**0-100**
IDC	III	16 18 02 22.8–1.1	43.58N	105.36W	0	4.6,4.5s		**¶12703441**
ISCJB	III	16 18 02 23.4–.18	43.68N–.01	105.34W–.02	0	4.7s,4.1b		
NEIC	III	16 18 02 23.8–.59	43.66N	105.33W	0	3.3L,4.1b		

ISC Event type sm.
IDC Error ellipse: s-maj=25.1km s-min=7.6km az=149.0.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.7km az=162.0.
NEIC Event type fm. Error ellipse: s-maj=8.1km s-min=7.3km az=148.0. 70 km [45 miles] S of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**III**	**16 19 38 57.1–.53**	**51.54N–.02**	**16.11E–.02**	**0**	**3.4b**	**157**	**1-75**
ISCJB	III	16 19 38 55.7–.26	51.52N–.02	16.12E–.03	0	3.4b		**¶12025688**
IPEC	III	16 19 38 57.2–.30	51.55N	16.26E	0	2.8L		
CSEM	III	16 19 38 57.5–.11	51.52N	16.11E	2	3.7L		
WAR	III	16 19 38 58.1	51.54N	16.07E		3.7L		
IDC	III	16 19 38 58.9–.55	51.48N	15.93E	0	4.4s,4.4		
PRU	III	16 19 38 58.8	51.46N	16.14E	0	4.4s,4.4		
VIE	III	16 19 39 00.8–.51	51.25N	16.07E	1	2.9L,2.8b		
UPP	III	16 19 39 01.8	51.74N	15.63E	0	1.9L,2.8b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=2.7km s-min=2.2km az=168.4.
IPEC Event type ki. Error ellipse: s-maj=3.2km s-min=1.7km az=67.0.
CSEM Event type ki. Error ellipse: s-maj=2.8km s-min=2.0km az=85.0.
IDC Error ellipse: s-maj=11.5km s-min=5.7km az=100.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.7km s-min=2.4km az=0.0. 68 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.

(456) Montana

ISC	**III**	**16 20 49 00.3–.67**	**45.08N–.02**	**106.88W–.02**	**0**		**81**	**0-18**
ISCJB	III	16 20 49 01.0–.22	45.11N–.01	106.90W–.02	0			**¶12703458**
IDC	III	16 20 49 00.4–1.4	44.53N	106.28W	0	3.2,3.1		
NEIC	III	16 20 49 01.2–.86	45.32N	106.82W	0	2.4L,3.1		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=2.1km az=44.0.
IDC Error ellipse: s-maj=46.0km s-min=9.1km az=140.0.
NEIC Event type fm. Error ellipse: s-maj=18.7km s-min=9.7km az=167.0. 60 km [35 miles] N of Sheridan. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**III**	**17 09 50 35.0–.92**	**59.24N–.03**	**27.15E–.05**	**0**		**55**	**1-10**
ISCJB	III	17 09 50 35.4–.68	59.29N–.03	27.1E–.10	0			**¶13436517**
BER	III	17 09 50 36.7–2.6	59.32N	27.16E	0	2.3L		
CSEM	III	17 09 50 36.5–.28	59.30N	26.96E	2	2.3L		
HEL	III	17 09 50 36.5–.20	59.28N	27.20E	0	1.9L		
NAO	III	17 09 50 36.1–1.1	59.30N	27.12E		2.3L		
IDC	III	17 09 50 38.3–2.3	59.41N	27.26E	0	3.4,3.2		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.4km s-min=4.1km az=179.9.
BER Event type sh. Error ellipse: s-maj=4.9km s-min=18.6km az=-1.0. Suspected explosion.
CSEM Event type km. Error ellipse: s-maj=7.0km s-min=4.4km az=93.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=2.0km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=18.7km s-min=13.1km az=116.0.

(642) Norwegian Sea

ISC	**III**	**18 04 36 09.0–2.5**	**71.0N–.10**	**15.95E–.09**	**0**		**83**	**2-11**
CSEM	III	18 04 36 08.9–.27	71.10N	15.80E	1	2.9L		**¶13436615**
NAO	III	18 04 36 09.7–1.0	71.12N	16.50E		2.6L		
HEL	III	18 04 36 12.9–.50	70.91N	16.09E	10	2.9L,2.4L		
IDC	III	18 04 36 12.9–3.0	70.88N	16.61E	0	3.2,3.1		
BER	III	18 04 36 12.7–3.8	71.11N	15.93E	22–24	2.9,2.6L		
UPP	III	18 04 36 15.2	70.80N	16.66E	0	2.3L,2.6L		

ISC Event type sm.
CSEM Event type sm. Error ellipse: s-maj=6.2km s-min=4.7km az=136.0. Suspected Mining explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
HEL Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=30.0km s-min=14.2km az=149.0.
BER Error ellipse: s-maj=8.4km s-min=34.0km az=-1.0.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

WAR	**III**	**18 06 25 29.7**	**51.47N**	**16.10E**				
CSEM	III	18 06 25 27.8–.58	51.51N	16.18E	2	2.9L		**¶12025726**
PRU	III	18 06 25 28.7	51.49N	16.17E	0	2.9L		

CSEM Event type ki. Error ellipse: s-maj=8.6km s-min=5.7km az=1.0.
PRU Event type ki.

(536) Sweden

UPP	**III**	**18 16 41 53.3**	**58.82N**	**15.14E**	**0**	**1.2L**		
CSEM	III	18 16 41 53.3	58.82N	15.14E	0	1.2L		**¶15996621**

UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After UPP.

(548) Poland

ISC	**III**	**18 16 54 29.3–.87**	**51.48N–.03**	**16.04E–.02**	**0**		**77**	**1-7**
WAR	III	18 16 54 28.9	51.54N	16.00E				**¶12025748**
ISCJB	III	18 16 54 28.6–.58	51.43N–.03	16.09E–.03	0			
IPEC	III	18 16 54 28.9–.28	51.51N	16.21E	0	2.0L		
CSEM	III	18 16 54 29.8–.27	51.44N	16.06E	2	3.1L		
PRU	III	18 16 54 30.9	51.42N	16.09E	0	3.1L		
VIE	III	18 16 54 32.1–.43	51.25N	16.08E	0	2.6L,2.3b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.4km s-min=2.9km az=18.9.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=39.0.
CSEM Event type ki. Error ellipse: s-maj=4.5km s-min=4.0km az=177.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.9km s-min=2.5km az=24.0. 67 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC	**III**	**18 18 18 31.7–.86**	**50.26N–.05**	**18.93E–.03**	**0**		**35**	**1-4**
ISCJB	III	18 18 18 31.6–.65	50.31N–.05	18.84E–.04	0			**¶12025750**
WAR	III	18 18 18 32.9	50.24N	18.94E				
CSEM	III	18 18 18 32.5–.17	50.28N	18.88E	2	2.7L		
IPEC	III	18 18 18 32.5–.21	50.28N	18.88E	0–1	1.8L		
PRU	III	18 18 18 33.3	50.27N	18.88E	0	1.8L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.9km s-min=3.1km az=8.4.
CSEM Event type ki. Error ellipse: s-maj=4.5km s-min=2.1km az=3.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=169.0.
PRU Event type ki.

(536) Sweden

UPP	**III**	**19 00 18 38.4**	**67.84N**	**20.19E**	**0**	**1.0L**		
CSEM	III	19 00 18 38.2–.06	67.84N	20.22E	2	1.0L		**¶14608777**

UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=1.7km s-min=1.4km az=168.0. Mining explosion.

(536) Sweden

HEL	**III**	**19 00 18 44.3–.40**	**68.13N**	**20.56E**	**0**	**1.6L**		
CSEM	III	19 00 18 45.5	67.86N	20.20E	0	1.6L		**¶15996625**
UPP	III	19 00 18 45.5	67.86N	20.20E	0	1.6L		

HEL Event type kh. Error ellipse: s-maj=2.7km s-min=3.4km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After UPP.
UPP Event type km. Mining explosion.

(543) Germany

VIE	**III**	**19 11 59 59.0–.37**	**50.19N**	**12.70E**	**0**	**2.5L,1.9b**		
CSEM	III	19 11 59 58.1–.62	50.22N	12.63E	2	2.5L,1.9b		**¶14370088**

VIE Event type sm. Error ellipse: s-maj=5.2km s-min=1.2km az=46.0. 18 km ESE of Klingenthal . Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=12.4km s-min=5.5km az=114.0. Suspected Mining explosion.

(358) Romania

BEO	**III**	**19 15 21 48.5–.42**	**44.13N**	**22.11E**	**0**	**1.3L**		
CSEM	III	19 15 21 48.5	44.13N	22.11E	0	1.3L		**¶14702145**

BEO Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion. After BEO.

(460) Wyoming

ISC	**III**	**19 16 35 20.6–.64**	**43.44N–.02**	**105.36W–.02**	**0**		**143**	**0-20**
IDC	III	19 16 35 17.2–2.5	43.12N	105.28W	0	3.3,3.2L		**¶12703698**
ISCJB	III	19 16 35 21.0–.18	43.48N–.01	105.38W–.02	0	3.3,3.2L		
NEIC	III	19 16 35 21.1–.49	43.48N	105.28W	0	2.9L,3.2L		

ISC Event type sm.
IDC Error ellipse: s-maj=46.1km s-min=9.7km az=155.0.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.7km az=153.1.
NEIC Event type fm. Error ellipse: s-maj=7.3km s-min=6.2km az=187.0. 80 km [50 miles] E of Midwest. Suspected Mining explosion.

(366) Turkey

ISC	**III**	**20 09 51 29.3–.90**	**37.20N–.04**	**28.19E–.03**	**0**		**30**	**0-1**
ISCJB	III	20 09 51 29.4–.57	37.22N–.04	28.20E–.04	0			**¶13436819**
ISK	III	20 09 51 29.2	37.24N	28.16E	5	1.8L		
DDA	III	20 09 51 29.2	37.21N	28.15E	7	2.6		
CSEM	III	20 09 51 29.8–.24	37.22N	28.18E	1	1.8L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.7km s-min=3.5km az=28.3.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=7.5km s-min=3.6km az=25.0.

(536) Sweden

UPP	**III**	**20 11 18 52.5**	**63.30N**	**18.90E**	**0**	**1.0L**		
CSEM	III	20 11 18 53.0–.43	63.39N	18.66E	1	1.0L		**¶13436832**

UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=11.1km s-min=9.0km az=122.0. Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

HEL	**III**	**20 11 19 54.6–.20**	**59.30N**	**27.12E**	**0**	**1.8L**		
CSEM	III	20 11 19 52.5–.51	59.27N	27.63E	2	2.4L		**¶15996665**
BER	III	20 11 19 54.9–1.6	59.31N	27.12E	0	2.4L		
NAO	III	20 11 19 54.2–1.1	59.29N	26.97E		2.4L		

HEL Event type kh. Error ellipse: s-maj=0.7km s-min=1.4km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=15.3km s-min=4.7km az=106.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=3.0km s-min=14.0km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(724) Baltic States - Belarus - Northwestern Russia

HEL	**III**	**20 12 00 52.5–.20**	**59.31N**	**27.64E**	**0**	**1.6L**		
								¶14608845

HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0. Explosion.

(721) Finland

HEL	**III**	**20 12 01 36.9–.10**	**62.29N**	**25.85E**	**0**	**0.8L**		
CSEM	III	20 12 01 36.9	62.29N	25.85E	0	0.8L		**¶14608846**

HEL Event type kh. Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(548) Poland

ISC	**III**	**20 14 48 39.4–1.2**	**51.50N–.06**	**16.06E–.03**	**0**		**49**	**1-3**
ISCJB	III	20 14 48 38.4–.94	51.44N–.04	16.08E–.04	0			**¶12055787**
WAR	III	20 14 48 39.5	51.54N	16.07E				
CSEM	III	20 14 48 39.2–.60	51.48N	16.06E	1	3.2L		
PRU	III	20 14 48 40.8	51.44N	16.07E	0	3.2L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.6km s-min=3.2km az=15.5.
CSEM Event type ki.
PRU Event type ki.

(460) Wyoming

ISC	**III**	**20 17 08 54.8–.52**	**43.47N–.02**	**105.32W–.02**	**0**		**140**	**0-20**
IDC	III	20 17 08 52.8–1.2	43.10N	105.26W	0	3.8L,3.8		**¶12703839**
ISCJB	III	20 17 08 55.4–.18	43.51N–.01	105.35W–.02	0	3.8L,3.8		
NEIC	III	20 17 08 56.1–.38	43.58N	105.29W	0	3.3L,3.8		

ISC Event type sm.
IDC Error ellipse: s-maj=25.1km s-min=8.8km az=161.0.
ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.6km az=159.5.
NEIC Event type fm. Error ellipse: s-maj=5.2km s-min=4.9km az=157.0. 80 km [50 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**III**	**20 18 02 57.3–.61**	**43.74N–.02**	**105.30W–.02**	**0**		**176**	**0-90**
ISCJB	III	20 18 02 56.8–.18	43.76N–.01	105.29W–.02	0	3.9b,2.9s		**¶12703844**
IDC	III	20 18 02 56.6–1.8	43.56N	105.35W	0	3.9b,3.9		
NEIC	III	20 18 02 57.7–.26	43.80N	105.25W	0	3.4L,3.9		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.7km az=166.4.
IDC Error ellipse: s-maj=47.3km s-min=8.4km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=3.7km s-min=3.3km az=135.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**III**	**20 19 18 57.0–.87**	**51.58N–.03**	**16.13E–.02**	**0**		**68**	**1-5**
ISCJB	III	20 19 18 56.7–.69	51.49N–.03	16.13E–.04	0			**¶12055788**
WAR	III	20 19 18 58.7	51.54N	16.07E				
CSEM	III	20 19 18 58.6–.46	51.48N	16.12E	2	3.2L		
PRU	III	20 19 18 59.4	51.48N	16.11E	0	3.2L		
VIE	III	20 19 19 00.9–.29	51.29N	16.17E	0	2.5L,2.2b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.0km s-min=3.0km az=20.9.
CSEM Event type ki. Error ellipse: s-maj=7.3km s-min=3.9km az=1.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=1.9km s-min=1.7km az=172.0. 62 km WNW of Wroclaw . Suspected Mining induced.

(366) Turkey

ISC	**III**	**21 19 19 18.6–1.0**	**39.19N–.02**	**29.46E–.02**	**0**		**36**	**0-1**
ISK	III	21 19 19 17.8	39.17N	29.46E	5	1.9L		**¶13436953**
ISCJB	III	21 19 19 18.2–.45	39.18N–.02	29.45E–.04	0	1.9L		
DDA	III	21 19 19 18.2	39.20N	29.45E	8	2.7		
CSEM	III	21 19 19 18.5–.11	39.18N	29.46E	1	2.7		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.0km s-min=3.6km az=178.6.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=2.5km s-min=2.1km az=110.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**III**	**21 22 02 03.6–2.0**	**67.62N–.04**	**33.6E–.10**	**0**		**32**	**2-12**
HEL	III	21 22 02 03.3–.90	67.59N	33.78E	0	1.8L		**¶13436974**
IDC	III	21 22 02 04.3–2.2	67.75N	33.65E	0	3.2,3.2		
NAO	III	21 22 02 05.1–3.1	67.46N	32.92E		2.3L,3.2		
CSEM	III	21 22 02 06.3–.52	67.70N	32.95E	2	1.8L,3.2		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=3.5km s-min=11.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=21.5km s-min=9.8km az=80.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=9.4km s-min=5.5km az=86.0. Mining explosion.

(548) Poland

ISC	**III**	**22 02 39 42.4–1.2**	**51.55N–.05**	**16.07E–.03**	**0**		**55**	**1-4**
WAR	III	22 02 39 42.7	51.58N	15.99E				**¶12055807**
ISCJB	III	22 02 39 42.4–.80	51.45N–.04	16.10E–.04	0			
IPEC	III	22 02 39 42.9–.35	51.54N	16.21E	0–1	1.7L		
CSEM	III	22 02 39 43.5–.39	51.48N	16.11E	2	2.9L		
PRU	III	22 02 39 44.3	51.47N	16.11E	0	2.9L		
VIE	III	22 02 39 46.2–.38	51.28N	16.17E	0	2.4L,1.8b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.8km s-min=3.3km az=20.1.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.5km az=30.0.
CSEM Event type ki. Error ellipse: s-maj=6.2km s-min=3.8km az=1.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.5km s-min=2.0km az=178.0. 62 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC	**III**	**22 03 13 57.7–1.2**	**51.46N–.06**	**16.07E–.03**	**0**		**43**	**1-3**
ISCJB	III	22 03 13 56.4–.88	51.41N–.04	16.10E–.04	0			**¶12055808**
WAR	III	22 03 13 57.8	51.48N	16.04E				
CSEM	III	22 03 13 57.9–.41	51.40N	16.08E	1	2.7L		
IPEC	III	22 03 13 57.1–.36	51.49N	16.23E	0–1	1.7L		
PRU	III	22 03 13 58.5	51.42N	16.09E	0	1.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.4km s-min=3.3km az=12.4.
CSEM Event type ki. Error ellipse: s-maj=6.6km s-min=3.4km az=177.0.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.5km az=30.0.
PRU Event type ki.

(548) Poland

WAR	**III**	**22 05 22 13.9**	**51.52N**	**15.97E**				
CSEM	III	22 05 22 14.0–.79	51.47N	16.06E	2	2.7L		**¶12055811**
PRU	III	22 05 22 15.4	51.41N	16.12E	0	2.7L		

CSEM Event type ki. Error ellipse: s-maj=12.5km s-min=6.2km az=4.0.
PRU Event type ki.

(548) Poland

WAR	**III**	**22 11 04 43.9**	**51.47N**	**16.10E**				
CSEM	III	22 11 04 45.8–.88	51.32N	16.14E	2	2.8L		**¶12055813**
PRU	III	22 11 04 45.8	51.35N	16.17E	0	2.8L		

CSEM Event type ki. Error ellipse: s-maj=14.8km s-min=7.7km az=10.0.
PRU Event type ki.

(548) Poland

ISC	**III**	**22 19 39 13.4–1.6**	**51.57N–.07**	**16.09E–.04**	**0**		**36**	**1-3**
ISCJB	III	22 19 39 12.7–1.1	51.51N–.05	16.05E–.05	0			**¶12055817**
CSEM	III	22 19 39 13.6–.69	51.53N	16.06E	2	2.7L		
PRU	III	22 19 39 14.6	51.51N	16.07E	0	2.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.5km s-min=3.9km az=22.1.
CSEM Event type ki. Error ellipse: s-maj=10.8km s-min=6.0km az=1.0.
PRU Event type ki.

(547) Czech and Slovak Republics

ISC	**III**	**22 20 21 26.7–1.2**	**49.80N–.05**	**18.58E–.04**	**0**		**19**	**0-2**
ISCJB	III	22 20 21 26.0–.88	49.80N–.05	18.53E–.06	0			**¶12055819**
CSEM	III	22 20 21 26.4–.19	49.80N	18.56E	2	1.5L		
IPEC	III	22 20 21 26.9–.18	49.82N	18.58E	0–3	0.9L		
PRU	III	22 20 21 27.8	49.79N	18.51E	0	0.9L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.8km s-min=5.2km az=13.2.
CSEM Event type ki. Error ellipse: s-maj=4.4km s-min=2.8km az=178.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type ki.

(366) Turkey

ISC	**III**	**23 09 06 31.2–.88**	**37.24N–.03**	**28.22E–.03**	**0**		**28**	**0-1**
ISK	III	23 09 06 31.5	37.25N	28.22E	7	2.2		**¶13437089**
DDA	III	23 09 06 31.7	37.23N	28.15E	7	2.6		
ISCJB	III	23 09 06 32.1–.52	37.24N–.03	28.20E–.04	0	2.6		
CSEM	III	23 09 06 32.0–.21	37.25N	28.22E	1	2.2		

ISC Event type ki.
DDA Event type ke.
ISCJB Event type ki. Error ellipse: s-maj=5.2km s-min=3.6km az=31.1.
CSEM Event type ki. Error ellipse: s-maj=5.4km s-min=3.6km az=36.0.

(548) Poland

ISC	**III**	**23 14 33 55.0–1.7**	**51.45N–.08**	**16.09E–.05**	**0**		**34**	**1-3**
ISCJB	III	23 14 33 53.0–1.2	51.45N–.05	16.10E–.06	0			**¶12061115**
CSEM	III	23 14 33 53.5–.78	51.49N	16.07E	2	2.7L		
PRU	III	23 14 33 54.9	51.44N	16.13E	0	2.7L		
WAR	III	23 14 33 55.0	51.47N	16.10E		2.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.3km s-min=4.0km az=25.2.
CSEM Event type ki. Error ellipse: s-maj=11.8km s-min=6.4km az=8.0.
PRU Event type ki.

(366) Turkey

ISC	**III**	**23 15 07 41.4–.99**	**37.21N–.04**	**28.19E–.03**	**0**		**24**	**0-1**
ISCJB	III	23 15 07 41.7–.61	37.23N–.04	28.21E–.04	0			**¶13437114**
ISK	III	23 15 07 41.2	37.19N	28.18E	17	2.4		
DDA	III	23 15 07 41.6	37.23N	28.19E	7	2.8		
CSEM	III	23 15 07 41.9–.25	37.23N	28.22E	1	2.4		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.1km s-min=3.8km az=34.6.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=6.8km s-min=4.0km az=34.0.

(548) Poland

ISC	**III**	**23 21 49 10.6–.91**	**51.53N–.03**	**16.10E–.03**	**0**		**49**	**1-4**
ISCJB	III	23 21 49 10.1–.82	51.45N–.04	16.09E–.05	0			**¶12061120**
CSEM	III	23 21 49 11.2–.35	51.47N	16.09E	2	3.0L		
PRU	III	23 21 49 12.6	51.43N	16.12E	0	3.0L		
WAR	III	23 21 49 12.5	51.47N	16.10E		3.0L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.6km s-min=3.7km az=31.1.
CSEM Event type ki. Error ellipse: s-maj=5.9km s-min=5.3km az=65.0.
PRU Event type ki.

(548) Poland

WAR	**III**	**24 02 00 42.8**	**51.59N**	**15.99E**				
CSEM	III	24 02 00 44.5–.72	51.44N	16.08E	2	2.7L		**¶12061124**
PRU	III	24 02 00 45.2	51.45N	16.11E	0	2.7L		

CSEM Event type ki. Error ellipse: s-maj=11.6km s-min=6.4km az=8.0.
PRU Event type ki.

(536) Sweden

ISC	**III**	**24 16 14 48.1–.71**	**67.16N–.02**	**20.68E–.02**	**0**		**82**	**1-8**
ISCJB	III	24 16 14 47.4–.43	67.15N–.02	20.74E–.07	0			**¶13437203**
UPP	III	24 16 14 48.7	67.17N	20.65E	1	2.3L		
NAO	III	24 16 14 48.9–1.3	67.16N	20.84E		2.4L		
CSEM	III	24 16 14 48.5–.17	67.16N	20.65E	2	2.3L		
IDC	III	24 16 14 49.9–.90	67.14N	20.94E	0	2.9,2.9		
HEL	III	24 16 14 49.4–.10	67.17N	20.68E	0	2.3L,2.3L		
BER	III	24 16 14 51.5–3.5	67.18N	20.67E	0	2.8L,2.4L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.9km s-min=3.5km az=27.0.
UPP Event type sm. Suspected Mining explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=3.6km s-min=3.2km az=94.0. Mining explosion.
IDC Error ellipse: s-maj=14.6km s-min=7.4km az=117.0.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=8.4km s-min=33.9km az=-1.0. Suspected explosion.

(542) Denmark

ISC	**III**	**24 20 43 42.3–.72**	**57.61N–.02**	**10.64E–.03**	**0**		**88**	**1-14**
ISCJB	III	24 20 43 42.3–.32	57.70N–.02	10.65E–.05	0			**¶13437213**
CSEM	III	24 20 43 43.2–.19	57.60N	10.63E	2	2.7L		
UPP	III	24 20 43 43.3	57.53N	10.66E	0	2.7L		
HEL	III	24 20 43 43.7–.30	57.53N	10.63E	0	3.0L,2.7L		
NAO	III	24 20 43 43.6–1.1	57.69N	10.25E		2.0L,2.7L		
BER	III	24 20 43 45.2–2.0	57.64N	10.88E	15	2.5,1.8L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.9km s-min=3.3km az=144.4.
CSEM Event type km. Error ellipse: s-maj=4.4km s-min=4.1km az=56.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=2.5km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=6.7km s-min=29.3km az=-1.0.

(548) Poland

ISC	**III**	**25 00 03 40.8–.54**	**51.49N–.02**	**16.09E–.01**	**0**	**3.4b**	**339**	**1-75**
STR	III	25 00 03 17.5–1.6	54.45N	16.69E	5	4.1L		**¶12061138**
ISCJB	III	25 00 03 37.9–.20	51.53N–.01	16.07E–.02	0	3.4b		
LDG	III	25 00 03 38.6–.15	51.55N	16.13E	1	4.1L		
IPEC	III	25 00 03 39.2–.46	51.57N	16.14E	1–2	3.3L		
CSEM	III	25 00 03 39.2–.10	51.57N	16.11E	0	4.2L		
PRU	III	25 00 03 39.9	51.56N	16.11E	0	4.2L		
IDC	III	25 00 03 40.3–.52	51.54N	15.98E	0	3.7,3.7		
BGR	III	25 00 03 40.7–.21	51.54N	16.11E	1	3.8L,3.7		
BNS	III	25 00 03 41.5–1.0	51.67N	15.94E	5	3.6L,3.7		
WAR	III	25 00 03 42.2	51.47N	16.10E		3.6L,3.7		
VIE	III	25 00 03 42.7–.76	51.32N	16.00E	0–4	3.4L,3.3b		
UPP	III	25 00 03 45.3	51.97N	15.81E	0	2.0L,3.3b		

ISC Event type sr.
STR Event type ke.
ISCJB Event type sr. Error ellipse: s-maj=1.9km s-min=1.5km az=11.5.
LDG Event type sr. Error ellipse: s-maj=4.0km s-min=1.5km az=8.0. Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=4.3km s-min=2.6km az=73.0.
CSEM Event type ki. Error ellipse: s-maj=2.2km s-min=1.6km az=19.0.
PRU Event type ki.
IDC Error ellipse: s-maj=9.7km s-min=5.8km az=100.0.
BGR Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=17.0.
BNS Event type ke.
VIE Event type sr. Error ellipse: s-maj=3.9km s-min=2.4km az=23.0. 74 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.

(723) Finland-Karelia border region

ISC	**III**	**25 10 00 44.8–1.1**	**64.85N–.02**	**30.86E–.06**	**0**		**50**	**1-10**
ISCJB	III	25 10 00 44.2–.72	64.79N–.03	30.7E–.10	0			**¶12635540**
HEL	III	25 10 00 45.4–.10	64.79N	30.74E	0	1.7L		
CSEM	III	25 10 00 45.4	64.79N	30.74E	0	1.7L		
IDC	III	25 10 00 46.9–2.5	64.72N	30.77E	0	3.2L,3.0		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=8.1km s-min=3.9km az=173.4.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=1.0km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
IDC Error ellipse: s-maj=37.3km s-min=8.7km az=101.0.

(543) Germany

CSEM	**III**	**25 17 45 29.9–.38**	**54.74N**	**10.25E**	**1**	**2.2L**		
UPP	III	25 17 45 36.1	55.13N	10.73E	0	2.2L		**¶12068362**

CSEM Event type sm. Error ellipse: s-maj=10.2km s-min=5.9km az=85.0. Suspected Mining explosion.
UPP Event type sm. Suspected Mining explosion.

(536) Sweden

ISC	**III**	**25 18 07 13.4–.75**	**67.05N–.02**	**20.88E–.03**	**0**		**59**	**1-8**
UPP	III	25 18 07 12.7	67.07N	20.93E	0	1.5L		**¶13437299**
CSEM	III	25 18 07 13.4–.17	67.09N	20.71E	2	1.5L		
ISCJB	III	25 18 07 13.3–.39	67.05N–.03	20.97E–.08	0	1.5L		
NAO	III	25 18 07 14.1–1.8	67.06N	21.07E		2.5L		
HEL	III	25 18 07 14.1–.20	67.03N	20.79E	0	1.5L		
IDC	III	25 18 07 16.9–.97	67.22N	21.27E	0	2.8,2.7		
BER	III	25 18 07 17.0–3.5	67.02N	20.98E	0	2.9,2.5L		

ISC Event type km.
UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=4.5km s-min=3.6km az=106.0. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=4.9km s-min=3.7km az=22.6.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=19.7km s-min=7.8km az=113.0.
BER Event type sh. Error ellipse: s-maj=15.0km s-min=22.9km az=-1.0. Suspected explosion.

(547) Czech and Slovak Republics

VIE	**III**	**26 10 18 60.0–.34**	**49.43N**	**15.09E**	**0**	**1.9L,1.3b**		
								¶14370199

VIE Event type sm. Error ellipse: s-maj=3.1km s-min=1.2km az=9.0. 55 km N of Litschau . Suspected Mining explosion.

(542) Denmark

ISC	**III**	**26 11 07 38.1–.78**	**57.63N–.04**	**10.60E–.03**	**0**		**59**	**1-14**
CSEM	III	26 11 07 38.6–.20	57.62N	10.60E	2	2.8L		**¶13437369**
ISCJB	III	26 11 07 38.3–.44	57.70N–.03	10.58E–.05	0	2.8L		
UPP	III	26 11 07 38.3	57.54N	10.60E	0	2.8L		
NAO	III	26 11 07 39.1–1.1	57.70N	10.31E		1.8L		
BER	III	26 11 07 41.0–2.2	57.54N	10.61E	15	2.0,1.8L		
IDC	III	26 11 07 42.1–2.0	57.78N	10.54E	0	3.2,3.2		

ISC Event type sm.
CSEM Event type sm. Error ellipse: s-maj=4.7km s-min=4.1km az=21.0. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.1km s-min=4.0km az=17.2.
UPP Event type sm. Suspected Mining explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=13.9km s-min=10.2km az=-1.0.
IDC Error ellipse: s-maj=16.9km s-min=15.2km az=84.0.

(548) Poland

PRU	**III**	**26 18 52 37.9**	**50.07N**	**18.49E**	**0**			
CSEM	III	26 18 52 34.9–.33	50.13N	18.65E	1			**¶12099371**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=10.3km s-min=3.8km az=8.0.

(542) Denmark

ISC	**III**	**27 12 39 09.5–.98**	**56.08N–.04**	**11.50E–.05**	**0**		**31**	**1-15**
ISCJB	III	27 12 39 09.2–.71	56.10N–.04	11.49E–.09	0			**¶13437452**
CSEM	III	27 12 39 09.7–.22	56.09N	11.47E	1	2.7L		
UPP	III	27 12 39 09.4	56.08N	11.40E	0	2.7L		
NAO	III	27 12 39 10.6–3.1	56.07N	11.54E		2.4L		
BER	III	27 12 39 11.9–2.4	56.18N	11.00E	0–20	2.4L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=7.8km s-min=6.0km az=154.4.
CSEM Event type sm. Error ellipse: s-maj=5.2km s-min=3.5km az=57.0. Suspected Mining explosion.
UPP Event type sm. Suspected Mining explosion.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=29.2km s-min=80.2km az=-1.0.

(548) Poland

ISC	**III**	**27 23 07 05.6–1.8**	**51.51N–.08**	**16.08E–.05**	**0**		**30**	**1-3**
ISCJB	III	27 23 07 04.6–1.3	51.47N–.06	16.04E–.06	0			**¶12099392**
PRU	III	27 23 07 06.6	51.47N	16.11E	0			
CSEM	III	27 23 07 07.7–1.0	51.38N	16.06E	2	2.8L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.9km s-min=4.3km az=22.4.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=16.9km s-min=7.1km az=6.0.

(548) Poland

ISC	**III**	**28 00 28 52.2–.76**	**51.51N–.03**	**16.16E–.02**	**0**		**65**	**1-19**
ISCJB	III	28 00 28 50.8–.37	51.48N–.02	16.22E–.04	0			**¶12099393**
WAR	III	28 00 28 52.3	51.54N	16.07E				
CSEM	III	28 00 28 52.9–.13	51.46N	16.21E	2	3.1L		
IPEC	III	28 00 28 52.8–.23	51.48N	16.27E	0	1.8L		
IDC	III	28 00 28 54.3–1.2	51.42N	16.24E	0	3.8,3.8		
PRU	III	28 00 28 55.2	51.36N	16.17E	0	3.8,3.8		
UPP	III	28 00 28 59.8	51.91N	15.92E	0	1.9L,3.8		

ISC Event type ki.
ISCJB Event type sm. Error ellipse: s-maj=3.4km s-min=2.8km az=167.3.
CSEM Event type ki. Error ellipse: s-maj=3.4km s-min=2.2km az=87.0.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=1.0km az=28.0.
IDC Error ellipse: s-maj=22.4km s-min=10.3km az=109.0.
PRU Event type ki.
UPP Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC	**III**	**28 21 00 10.6–.67**	**43.77N–.02**	**105.34W–.02**	**0**		**125**	**0-20**
ISCJB	III	28 21 00 10.2–.22	43.75N–.01	105.29W–.03	0			**¶12635802**
IDC	III	28 21 00 11.7–1.9	43.91N	105.60W	0	3.6,3.4		
NEIC	III	28 21 00 11.2–.35	43.78N	105.29W	0	3.1L,3.4		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.7km s-min=2.1km az=172.3.
IDC Error ellipse: s-maj=49.7km s-min=9.3km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=5.8km s-min=4.4km az=143.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**III**	**29 01 47 07.0–1.4**	**51.50N–.07**	**16.04E–.03**	**0**		**42**	**1-3**
IPEC	III	29 01 47 04.8–.28	51.63N	16.21E	0	1.6L		**¶12099406**
ISCJB	III	29 01 47 05.0–.81	51.49N–.04	16.06E–.04	0	1.6L		
PRU	III	29 01 47 06.7	51.52N	16.07E	0	1.6L		
CSEM	III	29 01 47 06.3–.44	51.50N	16.06E	2	2.8L		
WAR	III	29 01 47 08.0	51.47N	16.10E		2.8L		

ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.6km az=38.0.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=3.5km az=17.9.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=7.4km s-min=4.5km az=11.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**III**	**29 07 40 18.6–1.9**	**67.65N–.04**	**33.63E–.09**	**0**		**56**	**2-12**
HEL	III	29 07 40 18.9–.40	67.73N	33.79E	0	1.9L		**¶13437575**
IDC	III	29 07 40 18.8–1.9	67.78N	33.97E	0	3.3,3.3		
CSEM	III	29 07 40 19.1–.48	67.66N	33.57E	2	2.0L,3.3		
NAO	III	29 07 40 20.1–3.2	67.57N	33.25E		2.1L,3.3		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=2.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=21.2km s-min=9.4km az=79.0.
CSEM Event type km. Error ellipse: s-maj=9.3km s-min=4.7km az=93.0. Mining explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.

(640) Greenland Sea

ISC	**III**	**29 13 56 47.1–1.4**	**73.28N–.08**	**8.1E–.10**	**0**		**61**	**3-14**
ISCJB	III	29 13 56 44.2–1.1	73.30N–.05	7.5E–.40	0			**¶12635867**
CSEM	III	29 13 56 46.7–.38	73.33N	7.60E	1	2.2L		
IDC	III	29 13 56 47.7–2.4	73.22N	7.80E	0	3.4,3.4		
BER	III	29 13 56 50.8–2.6	73.32N	7.75E	10	2.2L,3.4		
HEL	III	29 13 56 55.6–.80	72.92N	8.57E	10	2.2L,2.0L		
UPP	III	29 13 56 59.4	72.83N	9.45E	0	2.0L,2.0L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=16.0km s-min=7.5km az=177.6.
CSEM Event type sm. Error ellipse: s-maj=11.7km s-min=4.8km az=84.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=33.9km s-min=17.1km az=73.0.
BER Error ellipse: s-maj=7.0km s-min=85.8km az=-1.0.
HEL Error ellipse: s-maj=4.8km s-min=6.8km az=-1.0.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC	**III**	**30 09 37 46.1–1.6**	**51.06N–.08**	**19.07E–.05**	**0**		**36**	**1-4**
IPEC	III	30 09 37 42.5–.28	51.21N	19.19E	0	2.5L		**¶12084482**
CSEM	III	30 09 37 43.6–.43	51.18N	19.14E	2	3.0L		
PRU	III	30 09 37 45.2	51.14N	19.12E	0	3.0L		

ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=2.1km az=166.0.
CSEM Event type ki. Error ellipse: s-maj=7.6km s-min=3.9km az=24.0.
PRU Belchatow.

(377) Spain

CSEM	**III**	**30 10 37 40.8**	**41.57N**	**1.34E**	**0**	**0.9L**		
								¶15996861

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.

(548) Poland

ISC	**III**	**30 14 47 16.5–1.3**	**51.49N–.06**	**16.07E–.03**	**0**		**42**	**1-3**
ISCJB	III	30 14 47 13.6–1.0	51.51N–.05	16.08E–.04	0			**¶12084486**
CSEM	III	30 14 47 15.2–.62	51.51N	16.05E	2	3.1L		
PRU	III	30 14 47 16.5	51.48N	16.06E	0	3.1L		
WAR	III	30 14 47 17.3	51.47N	16.10E		3.1L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.1km s-min=3.6km az=14.5.
CSEM Event type ki. Error ellipse: s-maj=9.6km s-min=4.7km az=178.0.
PRU Event type ki.

(548) Poland

ISC	**III**	**30 17 45 50.3–.85**	**51.56N–.03**	**16.15E–.02**	**0**		**97**	**1-4**
IPEC	III	30 17 45 49.3–.25	51.63N	16.19E	0	2.4L		**¶12084487**
ISCJB	III	30 17 45 50.1–.59	51.48N–.03	16.12E–.03	0	2.4L		
WAR	III	30 17 45 51.1	51.56N	16.02E		2.4L		
CSEM	III	30 17 45 51.0–.20	51.51N	16.14E	2	3.6L		
PRU	III	30 17 45 52.2	51.49N	16.12E	0	3.6L		
BGR	III	30 17 45 52.6–.53	51.48N	16.08E	1	3.0L		
VIE	III	30 17 45 54.3–.56	51.26N	16.11E	0	2.9L,2.3b		

ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.9km s-min=1.6km az=73.0.
ISCJB Event type sr. Error ellipse: s-maj=4.7km s-min=2.7km az=19.6.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=2.3km az=20.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=2.2km az=16.0.
VIE Event type sr. Error ellipse: s-maj=3.7km s-min=3.3km az=167.0. 65 km WNW of Wroclaw . Suspected Mining induced.

(547) Czech and Slovak Republics

PRU	**III**	**30 19 03 53.9**	**49.80N**	**18.48E**	**0**			
IPEC	III	30 19 03 51.9–.19	49.82N	18.61E	2–4	1.0L		**¶12084489**
CSEM	III	30 19 03 52.1–.26	49.86N	18.57E	2	1.7L		

PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.1km az=161.0.
CSEM Event type ki. Error ellipse: s-maj=6.8km s-min=3.5km az=167.0.

(548) Poland

ISC	**III**	**31 01 24 33.3–.77**	**50.26N–.03**	**18.78E–.02**	**0**		**76**	**0-5**
ISCJB	III	31 01 24 31.5–.46	50.30N–.03	18.74E–.03	0			**¶12084495**
CSEM	III	31 01 24 32.7–.21	50.28N	18.74E	2	3.0L		
IPEC	III	31 01 24 32.7–.21	50.31N	18.80E	5–1	2.2L		
PRU	III	31 01 24 33.7	50.24N	18.75E	0	2.2L		
WAR	III	31 01 24 33.2	50.28N	18.82E		2.2L		
VIE	III	31 01 24 34.1–.73	49.76N	18.99E	0	2.6L,2.3b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.2km s-min=2.5km az=14.5.
CSEM Event type ki. Error ellipse: s-maj=6.0km s-min=2.7km az=6.0.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.1km az=168.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=5.7km s-min=4.6km az=165.0. 53 km E of Ostrava . Suspected Mining induced.

(548) Poland

ISC	**III**	**31 02 37 21.7–.89**	**51.59N–.03**	**16.07E–.03**	**0**		**66**	**1-4**
ISCJB	III	31 02 37 21.7–.68	51.48N–.03	16.06E–.04	0			**¶12084497**
WAR	III	31 02 37 22.8	51.57N	16.01E				
IPEC	III	31 02 37 23.1–3.2	51.52N	16.18E	0	1.8L		
PRU	III	31 02 37 24.3	51.46N	16.07E	0	1.8L		
CSEM	III	31 02 37 24.0–.24	51.45N	16.09E	2	3.2L		
VIE	III	31 02 37 25.6–.62	51.30N	16.05E	0	2.6L,2.0b		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.0km s-min=3.1km az=17.0.
IPEC Event type ki. Error ellipse: s-maj=41.1km s-min=19.1km az=83.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=3.8km s-min=2.3km az=176.0.
VIE Event type sr. Error ellipse: s-maj=3.9km s-min=3.6km az=171.0. 70 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

PRU	**III**	**31 02 51 17.3**	**51.56N**	**16.10E**	**0**			
CSEM	III	31 02 51 19.6	51.49N	16.09E	0			**¶12084498**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.

(547) Czech and Slovak Republics

ISC	**III**	**31 20 00 08.3–.86**	**49.79N–.04**	**18.57E–.02**	**0**		**38**	**0-4**
ISCJB	III	31 20 00 07.1–.60	49.84N–.04	18.50E–.04	0			**¶12084509**
CSEM	III	31 20 00 08.2–.23	49.81N	18.53E	1	2.7L		
IPEC	III	31 20 00 08.9–.18	49.83N	18.56E	0	1.5L		
PRU	III	31 20 00 09.1	49.86N	18.52E	0	1.5L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.2km s-min=3.6km az=5.4.
CSEM Event type ki. Error ellipse: s-maj=4.6km s-min=3.2km az=3.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type ki.

(366) Turkey

ISC	**IV**	**01 09 55 51.7–.95**	**39.43N–.02**	**28.14E–.02**	**10–9**		**64**	**0-2**
CSEM	IV	01 09 55 51.2–.16	39.46N	28.15E	1	2.7		**¶13567823**
DDA	IV	01 09 55 51.4	39.45N	28.14E	7	2.9		
ISK	IV	01 09 55 51.1	39.45N	28.15E	14	2.7		

ISC Event type ke.

CSEM Event type ki. Error ellipse: s-maj=3.9km s-min=3.3km az=42.0.
DDA Event type ke.

(366) Turkey

ISC	**IV**	**01 12 03 25.1–.82**	**39.45N–.02**	**28.15E–.02**	**0**		**56**	**0-2**
ISK	IV	01 12 03 24.5	39.45N	28.14E	9	2.7		**¶13567829**
ISCJB	IV	01 12 03 24.9–.38	39.47N–.03	28.17E–.03	0	2.7		
DDA	IV	01 12 03 25.1	39.48N	28.18E	7	2.9		
CSEM	IV	01 12 03 25.0–.17	39.47N	28.16E	1	2.9		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.2km s-min=3.0km az=40.5.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=4.2km s-min=3.1km az=32.0.

(460) Wyoming

ISC	**IV**	**01 18 16 16.5–.52**	**43.67N–.02**	**105.26W–.02**	**0**		**180**	**0-61**
IDC	IV	01 18 16 15.6–2.0	43.53N	105.36W	0	4.5b,3.9		**¶12934220**
ISCJB	IV	01 18 16 16.8–.18	43.68N–.01	105.26W–.02	0	4.6b,3.9		
NEIC	IV	01 18 16 18.6–.80	43.80N	105.15W	0	3.4L,3.9		

ISC Event type fm.
IDC Error ellipse: s-maj=45.1km s-min=7.3km az=150.0.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.7km az=168.7.
NEIC Event type fm. Error ellipse: s-maj=11.8km s-min=9.9km az=178.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**IV**	**02 09 31 15.9–.98**	**51.56N–.04**	**16.09E–.02**	**0**		**98**	**1-5**
ISCJB	IV	02 09 31 15.5–.60	51.47N–.03	16.08E–.03	0			**¶13917758**
IPEC	IV	02 09 31 15.9–.29	51.57N	16.22E	0	2.7L		
WAR	IV	02 09 31 15.9	51.59N	15.99E		2.7L		
CSEM	IV	02 09 31 16.0–.22	51.53N	16.12E	2	3.7L		
PRU	IV	02 09 31 17.3	51.51N	16.11E	0	3.7L		
BGR	IV	02 09 31 17.9–.51	51.47N	16.08E	1	3.1L		
VIE	IV	02 09 31 18.9–.34	51.31N	16.22E	0	3.1L,2.6b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.4km s-min=2.5km az=20.0.
IPEC Event type ki. Error ellipse: s-maj=3.3km s-min=1.7km az=67.0.
CSEM Event type ki. Error ellipse: s-maj=4.0km s-min=2.6km az=22.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=21.0.
VIE Event type sr. Error ellipse: s-maj=2.2km s-min=2.0km az=171.0. 60 km WNW of Wroclaw . Suspected Mining induced.

(367) Turkey-Georgia-Armenia border region

ISC	**IV**	**02 12 42 59.9–.82**	**41.30N–.04**	**41.30E–.02**	**0**		**59**	**0-3**
DDA	IV	02 12 42 59.9	41.29N	41.35E	7	2.8		**¶13567849**
ISK	IV	02 12 42 59.2	41.44N	41.29E	13	2.7		
CSEM	IV	02 12 43 00.0–.20	41.30N	41.34E	1	2.8		
ISCJB	IV	02 12 43 00.0–.44	41.30N–.04	41.34E–.03	0	2.8		

ISC Event type ki.
DDA Event type ke.
CSEM Event type ki.
ISCJB Event type ki.

(536) Sweden

ISC	**IV**	**02 17 01 14.6–.81**	**67.09N–.02**	**20.92E–.03**	**0**		**80**	**1-11**
NAO	IV	02 17 01 10.7–1.0	67.11N	19.78E		2.4L		**¶13437826**
UPP	IV	02 17 01 14.5	67.09N	20.95E	0	1.5L		
ISCJB	IV	02 17 01 14.1–.32	67.05N–.02	21.00E–.07	0	1.5L		
HEL	IV	02 17 01 15.3–.10	67.08N	20.92E	0	2.0L,1.5L		
CSEM	IV	02 17 01 15.0–.15	67.09N	20.83E	2	1.5L,1.5L		
IDC	IV	02 17 01 15.7–1.1	67.09N	21.13E	0	2.8,2.7		
BER	IV	02 17 01 18.2–2.5	67.10N	20.97E	0	2.4L,1.9L		

ISC Event type km.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
UPP Event type km. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=4.2km s-min=3.4km az=166.1.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=4.8km s-min=3.2km az=79.0. Mining explosion.
IDC Error ellipse: s-maj=20.8km s-min=9.5km az=106.0.
BER Event type sh. Error ellipse: s-maj=6.9km s-min=19.6km az=-1.0. Suspected explosion.

(547) Czech and Slovak Republics

ISC	**IV**	**03 04 21 25.6–.81**	**49.86N–.03**	**18.51E–.02**	**0**		**52**	**0-4**
CSEM	IV	03 04 21 24.8–.24	49.87N	18.48E	1	2.6L		**¶14370332**
ISCJB	IV	03 04 21 24.0–.44	49.86N–.03	18.45E–.03	0	2.6L		
IPEC	IV	03 04 21 25.3–.18	49.85N	18.56E	0–3	1.8L		
VIE	IV	03 04 21 25.1–.52	49.65N	18.55E	0	2.4L,1.5b		
PRU	IV	03 04 21 26.1	49.89N	18.48E	0	2.4L,1.5b		

ISC Event type sr.
CSEM Event type ki. Error ellipse: s-maj=6.7km s-min=3.2km az=3.0.
ISCJB Event type sr. Error ellipse: s-maj=4.7km s-min=2.5km az=10.2.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=161.0.
VIE Event type sr. Error ellipse: s-maj=3.1km s-min=1.8km az=98.0. 30 km SE of Ostrava . Suspected Mining induced.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IV**	**03 09 52 56.1–1.6**	**67.71N–.05**	**33.86E–.08**	**0**		**48**	**0-12**
HEL	IV	03 09 52 53.2–.70	67.58N	34.45E	0	2.4L		**¶13437859**
CSEM	IV	03 09 52 57.1–.46	67.73N	33.74E	1	2.7L		
NAO	IV	03 09 52 59.4–1.2	67.63N	33.60E		2.9L		
IDC	IV	03 09 52 59.7–1.8	67.77N	33.55E	0	3.4,3.4		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=3.8km s-min=9.1km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=8.7km s-min=7.2km az=90.0. Mining explosion.
IDC Error ellipse: s-maj=20.1km s-min=9.4km az=80.0.

(366) Turkey

ISC	**IV**	**03 10 15 09.2–.86**	**39.42N–.03**	**28.14E–.02**	**0**		**48**	**0-2**
ISK	IV	03 10 15 08.7	39.41N	28.14E	8	2.7		**¶13567864**
CSEM	IV	03 10 15 09.3–.21	39.43N	28.13E	1	3.0		
DDA	IV	03 10 15 09.4	39.48N	28.16E	8	3.0		
ISCJB	IV	03 10 15 09.1–.56	39.43N–.04	28.14E–.04	0	3.0		

ISC Event type ki.
CSEM Event type ki.
DDA Event type ke.
ISCJB Event type ki.

(547) Czech and Slovak Republics

PRU	**IV**	**03 12 52 12.7**	**49.84N**	**18.56E**	**0**			
CSEM	IV	03 12 52 12.8–.99	49.95N	18.54E	2			**¶14682566**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=16.5km s-min=11.5km az=95.0.

(721) Finland

HEL	**IV**	**03 14 25 58.6–.20**	**60.87N**	**25.68E**	**0**	**1.2L**		
CSEM	IV	03 14 25 58.6	60.87N	25.68E	0	1.2L		**¶14524551**

HEL Event type kh. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(536) Sweden

HEL	**IV**	**03 14 55 52.1–.50**	**67.92N**	**20.38E**	**0**			
								¶14524553

HEL Event type kh. Error ellipse: s-maj=2.5km s-min=1.5km az=-1.0. Explosion.

(366) Turkey

ISC	**IV**	**04 10 00 49.1–1.1**	**39.20N–.02**	**29.50E–.03**	**0**		**30**	**0-1**
ISK	IV	04 10 00 47.9	39.16N	29.49E	5	2.6		**¶13567888**
CSEM	IV	04 10 00 48.9–.27	39.19N	29.51E	1	2.4		
ISCJB	IV	04 10 00 48.8–.56	39.19N–.03	29.49E–.04	0	2.4		
DDA	IV	04 10 00 49.6	39.17N	29.45E	14	2.4		

ISC Event type kh.
CSEM Event type ki. Error ellipse: s-maj=5.9km s-min=4.8km az=76.0.
ISCJB Event type kh. Error ellipse: s-maj=4.7km s-min=4.1km az=0.3.
DDA Event type ke.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IV**	**04 10 15 50.3–1.5**	**67.52N–.04**	**30.81E–.08**	**0**		**31**	**1-11**
ISCJB	IV	04 10 15 51.7–1.1	67.45N–.04	30.4E–.20	0			**¶14524566**
CSEM	IV	04 10 15 53.4	67.60N	30.55E	0	1.9L		
HEL	IV	04 10 15 53.4–.50	67.60N	30.55E	0	1.9L		
IDC	IV	04 10 15 55.3–2.0	67.66N	30.00E	0	3.1,3.1		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=9.0km s-min=5.9km az=1.5.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
HEL Event type kh. Error ellipse: s-maj=2.1km s-min=7.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=24.6km s-min=9.1km az=80.0.

(460) Wyoming

ISC	**IV**	**04 18 59 46.2–.64**	**43.75N–.02**	**105.31W–.03**	**0**	**4.3b**	**126**	**0-85**
IDC	IV	04 18 59 45.4–1.2	43.54N	105.29W	0	3.9b,3.8		**¶12934449**
ISCJB	IV	04 18 59 45.4–.23	43.75N–.02	105.28W–.03	0	4.0b,3.8		
NEIC	IV	04 18 59 46.4–.36	43.79N	105.19W	0	3.3L,3.8		

ISC Event type fm.
IDC Error ellipse: s-maj=24.6km s-min=8.7km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.9km s-min=2.2km az=166.3.
NEIC Event type fm. Error ellipse: s-maj=4.8km s-min=4.1km az=106.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**IV**	**04 22 34 26.7–1.6**	**51.42N–.08**	**16.03E–.04**	**0**		**39**	**1-3**
WAR	IV	04 22 34 24.9	51.54N	16.07E				**¶13973451**
ISCJB	IV	04 22 34 24.9–1.1	51.41N–.05	16.05E–.05	0			
CSEM	IV	04 22 34 25.8–.62	51.44N	16.05E	2	2.8L		
PRU	IV	04 22 34 26.4	51.45N	16.09E	0	2.8L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.6km s-min=3.5km az=24.5.
CSEM Event type ki. Error ellipse: s-maj=10.3km s-min=5.1km az=20.0.
PRU Event type ki.

(548) Poland

ISC	**IV**	**05 00 06 49.5–1.6**	**51.55N–.07**	**16.11E–.04**	**0**		**50**	**1-4**
IPEC	IV	05 00 06 50.7–.27	51.51N	16.15E	8–1	1.5L		**¶13973453**
CSEM	IV	05 00 06 50.4–.32	51.47N	16.06E	2	2.7L		
ISCJB	IV	05 00 06 50.4–.91	51.39N–.04	16.03E–.05	0	2.7L		
PRU	IV	05 00 06 51.6	51.42N	16.10E	0	2.7L		
WAR	IV	05 00 06 51.6	51.47N	16.10E		2.7L		

ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=0.7km az=34.0.
CSEM Event type ki. Error ellipse: s-maj=5.6km s-min=2.8km az=31.0.
ISCJB Event type ki. Error ellipse: s-maj=6.7km s-min=3.4km az=27.2.
PRU Event type ki.

(366) Turkey

CSEM	**IV**	**05 07 24 04.4–.55**	**37.28N**	**28.25E**	**1**	**2.7**		
ISK	IV	05 07 24 04.4	37.15N	28.20E	19	2.6		**¶13567907**
DDA	IV	05 07 24 06.2	37.23N	28.33E	7	2.7		

CSEM Event type ki. Error ellipse: s-maj=14.0km s-min=8.6km az=17.0.
DDA Event type ke.

(366) Turkey

ISC	**IV**	**05 09 17 04.2–.97**	**39.45N–.03**	**28.15E–.03**	**0**		**40**	**0-2**
ISK	IV	05 09 17 03.4	39.44N	28.16E	5	2.7		**¶13567911**
CSEM	IV	05 09 17 04.4–.23	39.44N	28.16E	1	2.9		
DDA	IV	05 09 17 04.6	39.46N	28.17E	7	2.9		
ISCJB	IV	05 09 17 04.1–.63	39.41N–.05	28.15E–.04	0	2.9		

ISC Event type kh.
CSEM Event type ki.
DDA Event type ke.
ISCJB Event type kh.

(548) Poland

ISC	**IV**	**05 11 44 10.0–1.1**	**51.58N–.05**	**16.13E–.03**	**0**		**58**	**1-3**
ISCJB	IV	05 11 44 09.8–.77	51.46N–.04	16.08E–.04	0			**¶13973452**
IPEC	IV	05 11 44 10.2–.31	51.56N	16.22E	1–1	1.8L		
WAR	IV	05 11 44 10.3	51.58N	15.99E		1.8L		
CSEM	IV	05 11 44 11.0–.32	51.48N	16.09E	2	3.0L		
PRU	IV	05 11 44 12.0	51.46N	16.11E	0	3.0L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=2.9km az=20.1.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=0.7km az=29.0.
CSEM Event type ki. Error ellipse: s-maj=5.5km s-min=2.8km az=19.0.
PRU Event type ki.

(366) Turkey

ISC	**IV**	**05 16 05 13.7–.83**	**39.17N–.02**	**29.48E–.02**	**10–6**		**76**	**0-2**
DDA	IV	05 16 05 13.0	39.17N	29.45E	14	2.8		**¶13567927**
CSEM	IV	05 16 05 13.4–.08	39.18N	29.47E	1	2.8		
ISK	IV	05 16 05 13.0	39.18N	29.48E	5	2.8		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=1.8km s-min=1.8km az=83.0.

(547) Czech and Slovak Republics

PRU	**IV**	**05 22 38 59.4**	**49.82N**	**18.50E**	**0**			
CSEM	IV	05 22 38 57.7–1.5	49.82N	18.55E	1			**¶14682625**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=25.8km s-min=19.4km az=86.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IV**	**06 12 02 48.0–.66**	**59.39N–.02**	**27.16E–.03**	**0**		**77**	**1-10**
HEL	IV	06 12 02 49.9–.80	59.29N	27.17E	0	1.9L		**¶13438064**
NAO	IV	06 12 02 49.7–2.3	59.31N	26.95E		2.4L		
BER	IV	06 12 02 50.4–3.1	59.33N	26.98E	0	2.4L		
IDC	IV	06 12 02 51.9–2.0	59.44N	27.15E	0	3.2,3.1		
CSEM	IV	06 12 02 54.1–.27	59.63N	27.02E	2	2.4L,3.1		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=3.7km s-min=8.1km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=13.1km s-min=27.2km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=18.1km s-min=11.1km az=121.0.
CSEM Event type km. Error ellipse: s-maj=7.9km s-min=4.8km az=91.0. Mining explosion.

(377) Spain

CSEM	**IV**	**06 12 33 49.7**	**41.54N**	**0.73W**	**0**	**1.3L**		
								¶16194195

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.

(460) Wyoming

ISC	**IV**	**06 18 03 37.2–.58**	**43.75N–.02**	**105.30W–.02**	**0**		**237**	**0-85**
ISCJB	IV	06 18 03 36.5–.15	43.77N–.01	105.30W–.02	0	3.8b		**¶12934626**
NEIC	IV	06 18 03 37.5–.32	43.80N	105.25W	0	3.3L		
IDC	IV	06 18 03 37.1–1.9	43.73N	105.43W	0	3.8,3.7b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.4km az=166.0.
NEIC Event type fm. Error ellipse: s-maj=4.3km s-min=4.0km az=133.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=52.1km s-min=9.2km az=150.0.

(366) Turkey

ISC	**IV**	**06 20 02 22.9–.85**	**39.22N–.02**	**29.38E–.02**	**12–7**		**53**	**0-2**
CSEM	IV	06 20 02 22.5–.11	39.25N	29.39E	1	3.0		**¶13567967**
ISK	IV	06 20 02 22.5	39.23N	29.41E	9	2.7		
DDA	IV	06 20 02 24.4	39.19N	29.38E	16	3.0		

ISC Event type ke.
CSEM Event type ki. Error ellipse: s-maj=2.6km s-min=2.2km az=65.0.
DDA Event type ke.

(460) Wyoming

ISC	**IV**	**06 20 12 38.3–.58**	**43.64N–.02**	**105.30W–.02**	**0**		**154**	**0-82**
IDC	IV	06 20 12 36.3–1.7	43.32N	105.22W	0	4.0,4.0b		**¶12934618**
ISCJB	IV	06 20 12 38.1–.20	43.66N–.01	105.28W–.02	0	4.1b,4.0b		
NEIC	IV	06 20 12 39.1–.35	43.69N	105.26W	0	3.2L,4.0b		

ISC Event type fm.
IDC Error ellipse: s-maj=42.1km s-min=8.3km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=2.1km s-min=1.7km az=159.0.
NEIC Event type fm. Error ellipse: s-maj=5.0km s-min=4.2km az=147.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

CSEM	**IV**	**06 21 42 30.9–.63**	**50.09N**	**18.41E**	**1**	**1.7L**		
IPEC	IV	06 21 42 30.7–.35	50.03N	18.52E	0	1.0L		**¶12742049**
PRU	IV	06 21 42 31.4	50.06N	18.43E	0	1.0L		

CSEM Event type ki. Error ellipse: s-maj=9.1km s-min=5.3km az=73.0.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=2.0km az=111.0.

PRU Event type ki.
(366) Turkey
ISC IV 07 09 13 21.1–.96 37.21N–.04 28.13E–.03 0 26 0-1
ISK IV 07 09 13 19.6 37.22N 28.25E 25 2.3 **¶13567982**
DDA IV 07 09 13 20.9 37.21N 28.10E 7 2.7
CSEM IV 07 09 13 21.3–.39 37.19N 28.19E 1 2.3
ISCJB IV 07 09 13 21.4–.60 37.19N–.05 28.17E–.04 0 2.3
ISC Event type kh.
DDA Event type ke.
CSEM Event type ki.
ISCJB Event type kh.
(724) Baltic States - Belarus - Northwestern Russia
ISC IV 07 09 47 48.0–1.6 59.35N–.07 27.16E–.06 0 50 1-10
HEL IV 07 09 47 48.1–.50 59.27N 27.17E 0 1.8L **¶13438114**
BER IV 07 09 47 49.4–4.0 59.36N 27.15E 0 2.1L
NAO IV 07 09 47 49.9–2.0 59.39N 27.06E 2.1L
IDC IV 07 09 47 50.0–2.1 59.41N 26.92E 0 3.1,3.0
CSEM IV 07 09 47 50.2–.50 59.44N 26.89E 2 1.8L,3.0
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=16.1km s-min=33.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=19.6km s-min=12.6km az=125.0.
CSEM Event type km. Error ellipse: s-maj=8.7km s-min=6.0km az=138.0. Mining explosion.
(366) Turkey
ISC IV 07 10 44 54.9–.98 39.44N–.03 28.15E–.02 0 49 0-2
CSEM IV 07 10 44 54.5–.18 39.45N 28.17E 1 2.7 **¶13567986**
DDA IV 07 10 44 54.9 39.46N 28.14E 7 2.7
ISK IV 07 10 44 54.6 39.44N 28.16E 10 2.7
ISCJB IV 07 10 44 54.3–.41 39.44N–.03 28.17E–.03 0 2.7
ISC Event type kh.
CSEM Event type ki.
DDA Event type ke.
ISCJB Event type kh.
(536) Sweden
UPP IV 07 14 59 09.7 58.83N 11.23E 0 1.0L
CSEM IV 07 14 59 09.7 58.83N 11.23E 0 1.0L **¶16194254**
UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After UPP.
(548) Poland
ISC IV 07 23 17 55.2–.73 51.58N–.03 16.13E–.02 0 127 1-11
ISCJB IV 07 23 17 53.9–.32 51.55N–.02 16.15E–.03 0 **¶12742077**
CSEM IV 07 23 17 55.9–.14 51.54N 16.14E 2 3.7L
IPEC IV 07 23 17 56.1–.29 51.51N 16.27E 0 2.8L
PRU IV 07 23 17 57.4 51.47N 16.13E 0 2.8L
IDC IV 07 23 17 57.9–1.2 51.49N 15.98E 0 3.2,3.1
VIE IV 07 23 17 59.6–.57 51.25N 16.12E 0 3.2L,2.4b
BGR IV 07 23 18 00.5–.42 51.36N 16.00E 1 3.1L,2.4b
UPP IV 07 23 18 02.1 51.96N 15.75E 0 2.2L,2.4b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.7km s-min=2.6km az=44.5.
CSEM Event type ki. Error ellipse: s-maj=3.1km s-min=2.6km az=80.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=33.0.
PRU Event type ki. Felt In Harrachov.
IDC Error ellipse: s-maj=19.1km s-min=9.9km az=123.0.
VIE Event type sr. Error ellipse: s-maj=3.6km s-min=3.3km az=173.0. 64 km WNW of Wroclaw . Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=10.0km s-min=3.3km az=19.0.
UPP Event type sm. Suspected Mining explosion.
(366) Turkey
ISC IV 08 09 27 03.6–.86 37.27N–.03 28.24E–.02 0 36 0-1
CSEM IV 08 09 27 03.8–.24 37.26N 28.25E 1 2.3 **¶13568004**
ISCJB IV 08 09 27 03.8–.47 37.26N–.03 28.26E–.03 0 2.3
ISK IV 08 09 27 03.4 37.28N 28.25E 8 2.3
DDA IV 08 09 27 04.2 37.22N 28.21E 7 2.6
ISC Event type kh.
CSEM Event type ki. Error ellipse: s-maj=5.9km s-min=4.2km az=27.0.
ISCJB Event type kh. Error ellipse: s-maj=4.5km s-min=3.3km az=29.4.
DDA Event type ke.
(548) Poland
ISC IV 08 17 33 03.2–.83 50.28N–.04 18.82E–.02 0 49 1-4
IPEC IV 08 17 33 01.7–.19 50.29N 18.95E 0 2.2L **¶12742104**
ISCJB IV 08 17 33 02.3–.58 50.34N–.04 18.73E–.03 0 2.2L
CSEM IV 08 17 33 03.3–.27 50.30N 18.77E 2 2.8L
PRU IV 08 17 33 04.7 50.31N 18.72E 0 2.8L
ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=1.1km az=169.0.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=2.7km az=14.3.
CSEM Event type ki. Error ellipse: s-maj=6.6km s-min=3.1km az=8.0.
PRU Event type ki.
(460) Wyoming
ISC IV 08 18 06 55.7–.60 43.75N–.02 105.32W–.03 0 3.8b 141 0-90
ISCJB IV 08 18 06 55.1–.19 43.77N–.02 105.35W–.03 0 3.9b **¶12934789**
IDC IV 08 18 06 55.7–1.8 43.78N 105.52W 0 3.9b,3.8
NEIC IV 08 18 06 56.1–.35 43.81N 105.26W 0 3.2L,3.8
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.7km s-min=2.1km az=160.0.
IDC Error ellipse: s-maj=53.6km s-min=7.8km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=5.3km s-min=4.5km az=164.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
(548) Poland
PRU IV 09 00 23 57.7 50.06N 18.44E 0
CSEM IV 09 00 23 56.4–.83 50.11N 18.49E 1 **¶12742109**
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=14.0km s-min=9.5km az=76.0.
(366) Turkey
ISC IV 09 07 42 53.6–.89 37.22N–.04 28.18E–.03 0 29 0-1
ISK IV 09 07 42 52.1 37.33N 28.24E 7 2.3 **¶13568030**
CSEM IV 09 07 42 53.5–.44 37.27N 28.24E 1 2.3
DDA IV 09 07 42 53.6 37.24N 28.21E 7 2.6
ISCJB IV 09 07 42 53.7–.51 37.23N–.04 28.20E–.04 0 2.6
ISC Event type kh.
CSEM Event type ki.
DDA Event type ke.
ISCJB Event type kh.
(366) Turkey
ISC IV 09 10 47 10.2–1.1 39.70N–.05 29.46E–.03 0 24 1-1
CSEM IV 09 10 47 10.2 39.68N 29.45E 7 2.8 **¶15134959**
DDA IV 09 10 47 10.2 39.68N 29.45E 7 2.8
ISCJB IV 09 10 47 10.1–.89 39.70N–.05 29.47E–.04 0 2.8
ISC Event type kh.
CSEM Event type ki. After DDA.
DDA Event type ke.
ISCJB Event type kh.
(547) Czech and Slovak Republics
ISC IV 09 20 03 55.3–1.0 49.87N–.07 18.53E–.03 0 32 0-4
CSEM IV 09 20 03 54.6–.28 49.87N 18.52E 1 2.6L **¶12742122**
IPEC IV 09 20 03 55.1–.18 49.82N 18.57E 0 1.6L
PRU IV 09 20 03 55.5 49.87N 18.51E 0 1.6L
ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=7.9km s-min=3.5km az=167.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type ki.
(547) Czech and Slovak Republics
PRU IV 10 03 21 40.3 49.83N 18.50E 0
¶12742138
PRU Event type ki.
(548) Poland
ISC IV 10 03 45 58.9–1.2 51.50N–.05 16.09E–.03 0 49 1-3
ISCJB IV 10 03 45 57.4–.85 51.46N–.04 16.10E–.04 0 **¶12742139**
CSEM IV 10 03 45 58.6–.42 51.48N 16.08E 2 3.2L
WAR IV 10 03 45 59.9 51.46N 16.10E 3.2L
PRU IV 10 03 45 59.8 51.46N 16.09E 0 3.2L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=3.0km az=20.6.
CSEM Event type ki. Error ellipse: s-maj=6.9km s-min=3.7km az=11.0.
PRU Event type ki.
(548) Poland
ISC IV 10 10 44 00.3–.70 51.46N–.02 16.10E–.02 0 171 1-60
ISCJB IV 10 10 43 57.2–.28 51.51N–.02 16.07E–.02 0 3.6b **¶12742142**
CSEM IV 10 10 43 58.6–.10 51.54N 16.12E 2 3.8L
IPEC IV 10 10 43 58.0–.40 51.60N 16.19E 0–1 2.9L
IDC IV 10 10 43 59.5–.69 51.51N 16.00E 0 3.5,3.5b
PRU IV 10 10 44 00.0 51.48N 16.11E 0 3.5,3.5b
BGR IV 10 10 44 00.6–.41 51.48N 16.10E 1 3.4L,3.5b
WAR IV 10 10 44 01.1 51.47N 16.10E 3.4L,3.5b
VIE IV 10 10 44 02.4–.48 51.25N 16.09E 0 3.2L,2.9b
UPP IV 10 10 44 03.0 51.80N 15.71E 0 2.2L,2.9b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.4km s-min=1.9km az=2.5.
CSEM Event type ki. Error ellipse: s-maj=1.9km s-min=1.8km az=13.0.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.6km az=16.0.
IDC Error ellipse: s-maj=14.1km s-min=7.1km az=107.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=165.0.
VIE Event type sr. Error ellipse: s-maj=3.1km s-min=3.0km az=167.0. 66 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.
(548) Poland
ISC IV 10 11 28 56.2–.86 51.53N–.03 16.24E–.03 0 56 1-4
ISCJB IV 10 11 28 55.0–.69 51.45N–.03 16.23E–.04 0 **¶12742143**
CSEM IV 10 11 28 56.2–.35 51.48N 16.20E 2 3.4L
WAR IV 10 11 28 57.5 51.47N 16.10E 3.4L
PRU IV 10 11 28 58.0 51.40N 16.21E 0 3.4L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.2km s-min=3.1km az=20.8.
CSEM Event type ki. Error ellipse: s-maj=5.8km s-min=4.9km az=28.0.
PRU Event type ki.
(724) Baltic States - Belarus - Northwestern Russia
ISC IV 10 11 49 28.5–1.8 67.69N–.05 33.74E–.10 0 36 0-12
ISCJB IV 10 11 49 27.5–1.3 67.68N–.05 33.7E–.20 0 **¶13438328**
HEL IV 10 11 49 27.5–.50 67.60N 34.05E 0 2.8L
CSEM IV 10 11 49 29.7–.30 67.66N 33.63E 2 2.9L
NAO IV 10 11 49 29.6–1.5 67.60N 33.73E 2.9L
IDC IV 10 11 49 35.5–1.7 67.86N 32.58E 0 3.5,3.5
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=12.3km s-min=7.2km az=170.7.
HEL Event type kh. Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=6.2km s-min=4.2km az=64.0. Mining explosion.
IDC Error ellipse: s-maj=17.5km s-min=9.2km az=84.0.
(366) Turkey
DDA IV 10 14 34 52.3 39.10N 27.57E 7 2.4
CSEM IV 10 14 34 52.3 39.10N 27.57E 7 2.4 **¶15134972**
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
(548) Poland
ISC IV 10 15 59 58.8–.93 50.31N–.05 18.77E–.03 0 32 1-4
ISCJB IV 10 15 59 58.1–.72 50.33N–.05 18.72E–.04 0 **¶12742146**
CSEM IV 10 15 59 58.6–.25 50.36N 18.74E 2 2.5L
IPEC IV 10 15 59 59.0–.21 50.31N 18.80E 1–1 1.7L
WAR IV 10 15 59 59.1 50.28N 18.82E 1.7L
PRU IV 10 15 59 59.0 50.34N 18.75E 0 1.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.0km s-min=3.9km az=0.8.
CSEM Event type ki. Error ellipse: s-maj=6.7km s-min=3.0km az=175.0.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.1km az=168.0.
PRU Event type ki.
(548) Poland
ISC IV 10 21 16 11.7–.77 50.13N–.03 18.41E–.02 0 65 0-4
WAR IV 10 21 15 20.0 50.08N 18.45E **¶12742152**
ISCJB IV 10 21 16 10.4–.46 50.15N–.03 18.38E–.03 0
IPEC IV 10 21 16 11.5–.17 50.10N 18.47E 1–2 2.3L
CSEM IV 10 21 16 11.2–.21 50.15N 18.39E 2 3.2L
PRU IV 10 21 16 12.0 50.14N 18.39E 0 3.2L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.0km s-min=2.7km az=18.7.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=160.0.
CSEM Event type ki. Error ellipse: s-maj=4.9km s-min=2.7km az=11.0.
PRU Event type ki.
(366) Turkey
ISC IV 11 00 42 40.5–1.1 40.98N–.03 42.21E–.02 9–9 51 0-3
ISK IV 11 00 42 38.9 41.02N 42.25E 12 2.8 **¶13568058**
CSEM IV 11 00 42 39.6–.23 40.96N 42.22E 1 2.8
DDA IV 11 00 42 40.7 40.97N 42.14E 13 2.8
CSEM Event type ki. Error ellipse: s-maj=5.4km s-min=4.0km az=22.0.
DDA Event type ke.
(366) Turkey
ISC IV 11 07 02 19.8–.86 37.32N–.03 28.27E–.03 0 32 0-1
ISK IV 11 07 02 19.4 37.31N 28.27E 8 2.7 **¶13568060**
ISCJB IV 11 07 02 20.1–.53 37.30N–.03 28.29E–.04 0 2.7
CSEM IV 11 07 02 20.2–.25 37.29N 28.28E 1 2.7
DDA IV 11 07 02 20.6 37.24N 28.21E 7 2.7
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=5.9km s-min=3.5km az=136.3.
CSEM Event type ki. Error ellipse: s-maj=6.5km s-min=4.6km az=43.0.
DDA Event type ke.
(366) Turkey
ISC IV 11 11 45 59.3–.97 38.94N–.03 29.84E–.02 9–9 50 0-2
ISK IV 11 11 45 58.9 38.96N 29.83E 9 2.5 **¶13568061**
DDA IV 11 11 45 59.0 38.93N 29.85E 7 2.8
CSEM IV 11 11 45 59.4–.11 38.96N 29.85E 1 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=2.5km s-min=2.0km az=163.0.
(460) Wyoming
ISC IV 11 16 07 47.2–.67 44.00N–.02 105.25W–.03 0 71 0-89
IDC IV 11 16 07 46.9–1.6 43.98N 105.40W 0 3.6L,3.5b **¶12935020**
NEIC IV 11 16 07 47.5–1.4 44.04N 104.83W 0 2.7L,3.5b
ISCJB IV 11 16 07 47.7–.29 43.97N–.02 105.27W–.03 0 3.6b,3.5b
ISC Event type kh.
NEIC Event type fm. 55 km [35 miles] WNW of Newcastle. Suspected Mining explosion.
ISCJB Event type fm.
(548) Poland
ISC IV 11 22 20 09.2–1.3 51.51N–.06 16.13E–.03 0 43 1-3
IPEC IV 11 22 20 07.1–.29 51.63N 16.27E 0 1.5L **¶12742176**
ISCJB IV 11 22 20 07.2–.90 51.50N–.04 16.12E–.04 0 1.5L
CSEM IV 11 22 20 08.3–.70 51.51N 16.13E 1 2.7L
WAR IV 11 22 20 08.0 51.57N 16.00E 2.7L
PRU IV 11 22 20 09.2 51.50N 16.14E 0 2.7L
ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.6km az=33.0.
ISCJB Event type ki. Error ellipse: s-maj=6.4km s-min=3.2km az=16.8.
CSEM Event type ki. Error ellipse: s-maj=11.0km s-min=6.0km az=14.0.
PRU Event type ki.
(460) Wyoming
ISC IV 12 00 03 35.1–.68 43.64N–.02 105.23W–.02 0 90 0-20
IDC IV 12 00 03 30.9–3.2 42.97N 105.00W 0 3.7L,3.6 **¶12935140**
ISCJB IV 12 00 03 34.6–.24 43.68N–.02 105.30W–.03 0 3.7L,3.6
NEIC IV 12 00 03 35.7–.42 43.71N 105.23W 0 2.8L,3.6
ISC Event type km.
IDC Error ellipse: s-maj=64.4km s-min=10.1km az=159.0.
ISCJB Event type fm. Error ellipse: s-maj=2.9km s-min=2.6km az=169.8.

NEIC Event type fm. Error ellipse: s-maj=6.8km s-min=4.9km az=170.0. 70 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(366) Turkey

ISC	**IV**	**12 05 08 12.2–1.0**	**37.22N–.03**	**28.17E–.03**	**0**		**28**	**0-1**
ISK	IV	12 05 08 11.0	37.28N	28.18E	3	2.6		¶13568069
DDA	IV	12 05 08 12.2	37.24N	28.17E	7	2.7		
CSEM	IV	12 05 08 12.4–.17	37.24N	28.18E	1	2.6		
ISCJB	IV	12 05 08 12.2–.55	37.25N–.04	28.18E–.05	0	2.6		

ISC Event type kh.
DDA Event type ke.
CSEM Event type ki.
ISCJB Event type kh.

(460) Wyoming

ISC	**IV**	**12 18 01 36.9–.85**	**43.62N–.03**	**105.30W–.03**	**0**		**59**	**0-20**
IDC	IV	12 18 01 35.4–2.4	43.37N	105.28W	0	3.6,3.4L		¶12935075
ISCJB	IV	12 18 01 36.7–.32	43.67N–.02	105.33W–.04	0	3.6,3.4L		
NEIC	IV	12 18 01 36.7–.89	43.65N	105.32W	0	2.7L,3.4L		

ISC Event type km.
IDC Error ellipse: s-maj=51.2km s-min=9.7km az=155.0.
ISCJB Event type fm. Error ellipse: s-maj=3.8km s-min=3.2km az=174.6.
NEIC Event type fm. Error ellipse: s-maj=15.6km s-min=9.8km az=168.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**IV**	**12 18 49 21.8–.82**	**43.46N–.03**	**105.21W–.03**	**0**		**35**	**0-20**
IDC	IV	12 18 49 14.4–3.1	42.52N	105.03W	0	3.3,3.1		¶12935069
NEIC	IV	12 18 49 22.4–.58	43.72N	105.37W	0	3.0L,3.1		
ISCJB	IV	12 18 49 23.6–.43	43.53N–.03	105.33W–.05	0	3.0L,3.1		

ISC Event type km.
NEIC Event type fm. 65 km [40 miles] S of Gillette. Suspected Mining explosion.
ISCJB Event type fm.

(536) Sweden

HEL	**IV**	**12 22 07 52.8–.10**	**67.18N**	**20.62E**	**0**	**1.1L,0.9L**		
CSEM	IV	12 22 07 52.1–.37	67.18N	20.67E	2	0.9L,0.9L		¶14524791
UPP	IV	12 22 07 52.0	67.18N	20.61E	0	1.1L,0.9L		

HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=8.7km s-min=6.2km az=42.0. Mining explosion.
UPP Event type km. Mining explosion.

(536) Sweden

HEL	**IV**	**12 22 08 46.3–.10**	**67.18N**	**20.66E**	**0**	**1.2L,0.9L**		
UPP	IV	12 22 08 45.7	67.18N	20.67E	2	0.9L,0.9L		¶16615048
CSEM	IV	12 22 08 45.3–.16	67.18N	20.71E	2	0.9L,0.9L		

HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0. Explosion.
UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=3.6km s-min=2.8km az=71.0. Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IV**	**13 09 43 12.3–.56**	**59.40N–.02**	**27.04E–.02**	**0**		**103**	**1-10**
ISCJB	IV	13 09 43 13.4–.49	59.35N–.02	26.85E–.07	0			¶13438465
HEL	IV	13 09 43 13.4–.50	59.26N	27.26E	0	1.9L,1.9L		
CSEM	IV	13 09 43 14.7–.25	59.34N	26.93E	2	2.3L,1.9L		
BER	IV	13 09 43 14.5–3.7	59.30N	27.09E	0	2.4L,1.9L		
NAO	IV	13 09 43 14.8–1.9	59.32N	27.00E		2.4L,1.9L		
IDC	IV	13 09 43 17.4–2.0	59.47N	26.90E	0	3.3,3.2		
UPP	IV	13 09 43 23.6	59.65N	25.96E	0	1.9L,3.2		

ISC Event type kh.
ISCJB Event type km. Error ellipse: s-maj=4.9km s-min=3.5km az=13.5.
HEL Event type kh. Error ellipse: s-maj=2.1km s-min=4.7km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=5.9km s-min=4.0km az=93.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=14.0km s-min=27.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=17.8km s-min=9.7km az=131.0.
UPP Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC	**IV**	**13 17 28 07.1–.69**	**41.72N–.02**	**110.66W–.02**	**0**		**96**	**0-21**
ISCJB	IV	13 17 28 07.0–.21	41.70N–.01	110.66W–.02	0			¶12935170
NEIC	IV	13 17 28 07.4–.45	41.72N	110.69W	0	2.2L		
IDC	IV	13 17 28 09.1–1.6	41.94N	110.60W	0	3.2,3.1		

ISC Event type km.
ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.7km az=165.6.
NEIC Event type fm. Error ellipse: s-maj=9.7km s-min=3.8km az=104.0. 55 km [35 miles] NNE of Evanston. Suspected Mining explosion.
IDC Error ellipse: s-maj=42.0km s-min=11.5km az=141.0.

(460) Wyoming

ISC	**IV**	**13 19 04 59.8–.67**	**43.59N–.02**	**105.29W–.02**	**0**		**88**	**0-20**
IDC	IV	13 19 04 58.0–2.8	43.37N	105.30W	0	3.5,3.3		¶12935164
ISCJB	IV	13 19 04 59.8–.23	43.60N–.01	105.28W–.02	0	3.5,3.3		
NEIC	IV	13 19 05 00.7–.82	43.59N	105.13W	0	3.2L,3.3		

ISC Event type km.
IDC Error ellipse: s-maj=61.3km s-min=9.7km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=2.0km az=151.1.
NEIC Event type fm. Error ellipse: s-maj=11.3km s-min=10.1km az=147.0. 80 km [50 miles] WSW of Newcastle. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IV**	**14 09 12 06.5–1.5**	**59.36N–.05**	**26.73E–.06**	**0**		**50**	**1-10**
ISCJB	IV	14 09 12 04.1–.00	59.33N–.05	27.07E–.10	0			¶13438521
BER	IV	14 09 12 05.9–2.2	59.35N	27.08E	0	2.5L		
CSEM	IV	14 09 12 05.6–.45	59.35N	27.08E	2	2.3L		
NAO	IV	14 09 12 05.3–2.3	59.34N	26.97E		2.5L		
HEL	IV	14 09 12 05.4–.40	59.29N	27.09E	0	2.3L		
IDC	IV	14 09 12 08.2–2.5	59.50N	26.87E	0	3.1,3.1		

ISC Event type kh.
ISCJB Event type km. Error ellipse: s-maj=8.6km s-min=5.2km az=40.4.
BER Event type sh. Error ellipse: s-maj=9.0km s-min=16.7km az=-1.0. Suspected explosion.
CSEM Event type km. Error ellipse: s-maj=10.1km s-min=5.6km az=128.0. Mining explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=24.5km s-min=10.8km az=146.0.

(366) Turkey

ISC	**IV**	**14 18 33 24.0–.87**	**39.21N–.02**	**29.39E–.02**	**10–7**		**85**	**0-2**
DDA	IV	14 18 33 23.4	39.22N	29.38E	11	2.8		¶13568117
ISK	IV	14 18 33 23.6	39.20N	29.42E	7	2.8		
CSEM	IV	14 18 33 23.8–.10	39.21N	29.40E	2	2.8		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=2.4km s-min=2.0km az=162.0.

(548) Poland

ISC	**IV**	**14 21 53 10.9–.66**	**50.18N–.03**	**19.06E–.01**	**0**		**120**	**0-20**
ISCJB	IV	14 21 53 09.6–.36	50.32N–.03	19.01E–.02	0			¶12599222
CSEM	IV	14 21 53 11.4–.15	50.24N	19.05E	2	3.3L		
IPEC	IV	14 21 53 11.4–.21	50.31N	19.07E	3–1	2.4L		
BGR	IV	14 21 53 12.2–.25	50.25N	19.07E	1	3.1L		
PRU	IV	14 21 53 12.1	50.24N	19.07E	0	3.1L		
IDC	IV	14 21 53 13.2–2.0	50.14N	19.03E	0	3.4,3.2		
VIE	IV	14 21 53 13.7–.75	49.77N	19.11E	0	2.6L,2.1b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.3km s-min=2.1km az=9.9.
CSEM Event type ki. Error ellipse: s-maj=4.6km s-min=2.0km az=8.0.
IPEC Event type ki. Error ellipse: s-maj=2.7km s-min=1.1km az=171.0.
BGR Event type ki. Error ellipse: s-maj=11.1km s-min=3.3km az=6.0.
PRU Event type ki.
IDC Error ellipse: s-maj=35.2km s-min=10.0km az=131.0.
VIE Event type sr. Error ellipse: s-maj=5.9km s-min=4.8km az=167.0. 55 km S of Katowice . Suspected Mining induced.

(548) Poland

ISC	**IV**	**15 03 53 10.4–.57**	**51.52N–.02**	**16.07E–.02**	**0**		**194**	**1-60**
ISCJB	IV	15 03 53 09.7–.30	51.45N–.02	16.07E–.02	0	3.3b		¶12599228
IPEC	IV	15 03 53 10.8–.21	51.50N	16.12E	0	2.7L		
WAR	IV	15 03 53 10.5	51.53N	16.00E		2.7L		
IDC	IV	15 03 53 11.9–.63	51.51N	15.81E	0	3.5,3.4L		
CSEM	IV	15 03 53 11.4–.13	51.45N	16.09E	2	3.5L,3.4L		
BGR	IV	15 03 53 11.7–.30	51.47N	16.14E	1	3.1L,3.4L		
PRU	IV	15 03 53 12.8	51.42N	16.07E	0	3.1L,3.4L		
VIE	IV	15 03 53 13.9–.45	51.24N	16.07E	0	3.1L,2.7b		
UPP	IV	15 03 53 33.1	53.10N	15.55E	0	2.0L,2.7b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.7km s-min=1.8km az=15.9.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.9km az=34.0.
IDC Error ellipse: s-maj=14.4km s-min=7.0km az=96.0.
CSEM Event type ki. Error ellipse: s-maj=2.7km s-min=1.7km az=18.0.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=1.1km az=22.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.9km s-min=2.1km az=11.0. 67 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IV**	**15 08 16 25.6–2.5**	**67.65N–.06**	**34.4E–.10**	**0**		**32**	**1-7**
HEL	IV	15 08 16 26.2–.80	67.63N	34.60E	0	1.9L		¶16505290
CSEM	IV	15 08 16 28.7–.29	67.64N	33.90E	1	2.8L		
NAO	IV	15 08 16 28.2–1.6	67.61N	34.10E		2.4L		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=4.6km s-min=10.7km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=5.2km s-min=4.7km az=81.0. Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IV**	**15 08 17 19.3–.68**	**53.76N–.07**	**130.33E–.04**	**9–5**	**3.8b**	**49**	**1-152**
SKHL	IV	15 08 17 18.8–.20	53.82N	130.25E	11–1	3.9s,2.0b		¶13438591
IDC	IV	15 08 17 19.0–.81	53.79N	130.27E	0	3.9,3.8		
MOS	IV	15 08 17 19.2–1.1	53.74N	130.36E	18	4.0b,3.8		

ISC Event type ke.
SKHL Event type fe. Felt (II) at Zeya.
IDC Error ellipse: s-maj=20.7km s-min=18.5km az=152.0.
MOS Event type fe. Error ellipse: s-maj=23.6km s-min=13.7km az=107.2. Felt (II) at Zeya. Moment Tensor Solution.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IV**	**15 08 59 32.7–1.2**	**64.75N–.03**	**30.88E–.06**	**0**		**51**	**1-10**
IDC	IV	15 08 59 31.1–3.2	64.66N	31.85E	0	3.1,3.0		¶12935307
HEL	IV	15 08 59 31.5–.40	64.74N	31.19E	0	1.9L,1.8L		
ISCJB	IV	15 08 59 32.5–.71	64.74N–.03	30.5E–.10	0	1.9L,1.8L		
CSEM	IV	15 08 59 34.0–.44	64.75N	30.61E	2	1.8L,1.8L		
UPP	IV	15 08 59 37.9	64.72N	29.84E	0	1.9L,1.8L		

ISC Event type km.
IDC Error ellipse: s-maj=45.4km s-min=10.5km az=99.0.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0. Explosion.
ISCJB Event type km. Error ellipse: s-maj=7.7km s-min=4.2km az=175.5.
CSEM Event type km. Error ellipse: s-maj=11.3km s-min=5.3km az=91.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.

(547) Czech and Slovak Republics

ISC	**IV**	**15 10 43 00.4–3.6**	**50.11N–.10**	**13.2E–.20**	**10**		**7**	**2-3**
VIE	IV	15 10 43 00.2–.34	50.07N	13.20E	0	2.7L,1.9b		¶14370379

ISC Event type ke.
VIE Event type sm. Error ellipse: s-maj=4.0km s-min=1.4km az=47.0. 39 km NNW of Plzen . Suspected Mining explosion.

(547) Czech and Slovak Republics

ISC	**IV**	**15 16 27 52.9–.89**	**49.81N–.06**	**18.54E–.03**	**0**		**28**	**0-3**
CSEM	IV	15 16 27 52.7–.28	49.82N	18.54E	1	2.5L		¶12599231
ISCJB	IV	15 16 27 52.1–.54	49.85N–.05	18.48E–.03	0	2.5L		
PRU	IV	15 16 27 53.9	49.85N	18.52E	0	2.5L		
IPEC	IV	15 16 27 53.4–.18	49.82N	18.56E	0–3	1.6L		

ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=7.1km s-min=3.8km az=164.0.
ISCJB Event type ki. Error ellipse: s-maj=7.4km s-min=3.2km az=176.3.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.

(366) Turkey

DDA	**IV**	**16 06 53 20.4**	**39.70N**	**29.47E**	**7**	**2.9**		
CSEM	IV	16 06 53 20.4	39.70N	29.47E	7	2.9		¶15135165

DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.

(723) Finland-Karelia border region

ISC	**IV**	**16 11 17 51.8–1.3**	**60.94N–.05**	**28.82E–.06**	**0**		**48**	**1-9**
ISCJB	IV	16 11 17 49.4–.92	61.08N–.04	28.94E–.09	0			¶13438678
HEL	IV	16 11 17 50.2–.90	60.88N	29.24E	0	1.9L		
BER	IV	16 11 17 52.8–2.7	60.86N	28.90E	0	2.2L		
NAO	IV	16 11 17 52.9–1.8	60.89N	28.87E		2.2L		
CSEM	IV	16 11 17 53.5–.52	60.98N	28.64E	2	1.9L		
IDC	IV	16 11 17 53.0–1.8	60.94N	28.92E	0	3.3,3.2		

ISC Event type kh.
ISCJB Event type km. Error ellipse: s-maj=6.7km s-min=4.4km az=35.6.
HEL Event type kh. Error ellipse: s-maj=4.1km s-min=8.3km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=10.7km s-min=21.6km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=9.3km s-min=5.7km az=108.0. Mining explosion.
IDC Error ellipse: s-maj=15.9km s-min=11.1km az=161.0.

(366) Turkey

ISC	**IV**	**16 11 18 17.5–1.1**	**39.69N–.02**	**29.46E–.02**	**6–10**		**61**	**0-2**
ISK	IV	16 11 18 16.9	39.69N	29.44E	7	2.7		¶13568158
CSEM	IV	16 11 18 17.0–.10	39.69N	29.48E	1	2.7		

ISC Event type ke.
CSEM Event type si. Error ellipse: s-maj=2.4km s-min=2.0km az=55.0.

(366) Turkey

ISC	**IV**	**16 11 39 38.2–.93**	**39.50N–.03**	**28.18E–.02**	**0**		**45**	**0-2**
ISCJB	IV	16 11 39 38.0–.45	39.46N–.03	28.13E–.04	0			¶13568160
CSEM	IV	16 11 39 38.2–.31	39.49N	28.15E	1	2.7		
DDA	IV	16 11 39 38.8	39.46N	28.15E	7	2.7		
ISK	IV	16 11 39 38.2	39.48N	28.20E	20	2.7		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.6km s-min=3.4km az=40.1.
CSEM Event type ki. Error ellipse: s-maj=8.6km s-min=5.2km az=39.0.
DDA Event type ke.

(548) Poland

ISC	**IV**	**16 11 43 01.8–1.3**	**51.43N–.06**	**16.14E–.03**	**0**		**43**	**1-3**
ISCJB	IV	16 11 42 59.7–.90	51.43N–.04	16.15E–.04	0			¶12611355
IPEC	IV	16 11 43 00.2–.29	51.51N	16.24E	0	2.2L		
CSEM	IV	16 11 43 00.7–.42	51.45N	16.16E	2	3.0L		
WAR	IV	16 11 43 01.5	51.47N	16.10E		3.0L		
PRU	IV	16 11 43 02.4	51.41N	16.14E	0	3.0L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.3km s-min=3.2km az=18.4.
IPEC Event type ki. Error ellipse: s-maj=3.3km s-min=1.7km az=67.0.
CSEM Event type ki. Error ellipse: s-maj=6.7km s-min=3.8km az=179.0.
PRU Event type ki.

(543) Germany

BGR	**IV**	**16 17 06 53.2–.36**	**51.49N**	**6.58E**	**1**	**2.2L**		
BUG	IV	16 17 06 51.6	51.54N	6.56E	1	1.9L		¶13917765
CSEM	IV	16 17 06 52.5–.25	51.49N	6.62E	2	2.0L		
BNS	IV	16 17 06 52.1–1.3	51.52N	6.57E	1–23	2.0L		

BGR Event type ki. Error ellipse: s-maj=5.6km s-min=3.3km az=120.0.
BNS Event type fi. Felt in Kamp-Lintfort.
CSEM Event type ki. Error ellipse: s-maj=5.9km s-min=3.8km az=115.0.
BNS Event type ki.

(540) The Netherlands

BGR	**IV**	**16 17 12 15.5–.52**	**53.35N**	**6.62E**	**1**	**2.5L**		
								¶13917766

BGR Event type ki. Error ellipse: s-maj=8.9km s-min=4.4km az=118.0.

(548) Poland

ISC	**IV**	**17 01 25 28.1–.81**	**50.17N–.04**	**18.60E–.02**	**0**		**47**	**0-4**
ISCJB	IV	17 01 25 26.3–.53	50.22N–.04	18.54E–.03	0			¶12611361
IPEC	IV	17 01 25 27.7–.21	50.18N	18.64E	3–2	2.0L		
CSEM	IV	17 01 25 27.8–.27	50.22N	18.55E	2	2.6L		
PRU	IV	17 01 25 28.9	50.19N	18.57E	0	2.6L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.6km s-min=2.5km az=6.8.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.1km az=165.0.
CSEM Event type ki. Error ellipse: s-maj=7.4km s-min=2.9km az=3.0.
PRU Event type ki.

(548) Poland
ISC IV 17 07 59 27.9–.60 51.55N–.02 16.09E–.02 0 3.4b 151 1-60
ISCJB IV 17 07 59 27.2–.35 51.53N–.02 16.07E–.02 0 3.3b ¶12611367
CSEM IV 17 07 59 28.7–.17 51.54N 16.06E 2 3.8L
IPEC IV 17 07 59 28.0–.43 51.59N 16.14E 0–2 3.0L
IDC IV 17 07 59 29.4–.65 51.55N 15.84E 0 3.6,3.5
BGR IV 17 07 59 29.3–.46 51.56N 16.08E 1 3.1L,3.5
WAR IV 17 07 59 29.9 51.54N 16.07E 3.1L,3.5
PRU IV 17 07 59 29.1 51.55N 16.08E 0 3.1L,3.5
VIE IV 17 07 59 32.2–.64 51.28N 16.09E 0 3.1L,2.9b
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.0km s-min=2.1km az=10.8.
CSEM Event type ki. Error ellipse: s-maj=3.3km s-min=2.1km az=14.0.
IPEC Event type ki. Error ellipse: s-maj=3.4km s-min=2.3km az=60.0.
IDC Error ellipse: s-maj=14.5km s-min=6.9km az=106.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=18.0.
PRU Event type ki.
VIE Event type sm. Error ellipse: s-maj=4.2km s-min=3.8km az=126.0. 67 km WNW of Wroclaw . Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia
ISC IV 17 08 51 02.3–.93 59.27N–.03 27.21E–.04 0 55 1-10
NAO IV 17 08 51 04.2–2.4 59.35N 27.01E 2.4L ¶13438735
HEL IV 17 08 51 04.3–.70 59.32N 27.10E 0 2.0L
IDC IV 17 08 51 05.3–2.2 59.41N 27.15E 0 3.4,3.2
CSEM IV 17 08 51 05.8–.49 59.46N 26.92E 2 2.0L,3.2
BER IV 17 08 51 07.8–2.6 59.40N 26.88E 0 2.4L,3.2
ISC Event type km.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=3.0km s-min=6.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=19.4km s-min=13.8km az=113.0.
CSEM Event type km. Error ellipse: s-maj=9.1km s-min=6.7km az=129.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=12.1km s-min=20.4km az=-1.0. Suspected explosion.

(721) Finland
HEL IV 17 11 31 53.3–.10 60.67N 25.08E 0 1.0L
CSEM IV 17 11 31 53.3 60.67N 25.08E 0 1.0L ¶14524938
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(724) Baltic States - Belarus - Northwestern Russia
ISC IV 18 11 54 21.1–.72 59.69N–.03 22.22E–.02 0 71 1-10
ISCJB IV 18 11 54 20.9–.42 59.68N–.03 22.16E–.05 0 ¶13438820
UPP IV 18 11 54 20.8 59.83N 22.22E 0 2.0L
CSEM IV 18 11 54 21.0–.20 59.74N 22.31E 2 2.0L
IDC IV 18 11 54 21.9–1.9 59.54N 22.35E 0 3.0,2.9
BER IV 18 11 54 22.8–4.6 59.75N 22.23E 0 2.2L,2.9
HEL IV 18 11 54 22.1–.20 59.63N 22.08E 0 2.2L,2.0L
NAO IV 18 11 54 22.5–1.6 59.77N 22.27E 2.2L,2.0L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.9km s-min=3.7km az=20.8.
UPP Event type sm. Suspected Mining explosion.
CSEM Event type km. Error ellipse: s-maj=5.3km s-min=4.0km az=1.0. Mining explosion.
IDC Error ellipse: s-maj=24.2km s-min=7.8km az=162.0.
BER Event type sh. Error ellipse: s-maj=27.0km s-min=23.1km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=1.2km az=-1.0. Explosion.

(724) Baltic States - Belarus - Northwestern Russia
ISC IV 18 11 58 38.7–.84 59.65N–.04 22.22E–.03 0 47 1-10
IDC IV 18 11 58 38.9–3.0 59.40N 22.42E 0 3.1,3.0 ¶13438821
ISCJB IV 18 11 58 39.5–.46 59.67N–.04 22.14E–.05 0 3.1,3.0
UPP IV 18 11 58 39.6 59.71N 22.26E 0 2.1L,3.0
HEL IV 18 11 58 40.6–.10 59.63N 22.11E 0 2.1L,3.0
CSEM IV 18 11 58 40.2–.22 59.67N 22.19E 2 2.1L,3.0
ISC Event type km.
IDC Error ellipse: s-maj=45.9km s-min=10.3km az=158.0.
ISCJB Event type km. Error ellipse: s-maj=5.8km s-min=3.7km az=159.0.
UPP Event type sm. Suspected Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=6.5km s-min=4.8km az=176.0. Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia
ISC IV 18 11 59 01.1–1.9 60.2N–.10 21.82E–.09 0 26 2-10
IDC IV 18 11 58 58.5–1.8 59.67N 22.25E 0 3.1,3.0 ¶16152984
NAO IV 18 11 58 58.3–1.7 59.81N 22.13E 2.2L,3.0
BER IV 18 11 58 59.2–3.3 59.81N 22.12E 0 2.2L,3.0
CSEM IV 18 11 59 01.2–.41 60.17N 21.75E 2 2.2L,3.0
ISC Event type sm.
IDC Error ellipse: s-maj=24.4km s-min=8.5km az=159.0.
BER Event type sh. Error ellipse: s-maj=20.6km s-min=17.9km az=-1.0. Suspected explosion.
CSEM Event type sm. Error ellipse: s-maj=14.6km s-min=5.5km az=157.0. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia
ISC IV 18 12 43 05.8–.73 59.65N–.03 22.18E–.02 0 66 1-10
ISCJB IV 18 12 43 05.8–.42 59.68N–.03 22.18E–.05 0 ¶13438823
CSEM IV 18 12 43 06.7–.20 59.69N 22.22E 2 1.8L
HEL IV 18 12 43 07.1–.10 59.66N 22.17E 0 1.9L,1.8L
UPP IV 18 12 43 07.2 59.73N 22.12E 0 1.8L,1.8L
NAO IV 18 12 43 08.7–1.9 59.87N 22.13E 2.0L,1.8L
IDC IV 18 12 43 08.1–1.8 59.66N 22.25E 0 3.1,3.0
BER IV 18 12 43 10.2–3.6 59.90N 22.10E 0 2.0L,3.0
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.9km s-min=3.7km az=7.3.
CSEM Event type km. Error ellipse: s-maj=5.3km s-min=3.9km az=4.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. Explosion.
UPP Event type sm. Suspected Mining explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=24.5km s-min=8.0km az=160.0.
BER Event type sh. Error ellipse: s-maj=30.0km s-min=20.6km az=-1.0. Suspected explosion.

(724) Baltic States - Belarus - Northwestern Russia
ISC IV 18 12 47 30.1–.77 59.69N–.03 22.14E–.02 0 60 1-10
IDC IV 18 12 47 30.9–2.6 59.50N 22.30E 0 3.1,3.0 ¶13438824
ISCJB IV 18 12 47 30.2–.41 59.68N–.03 22.14E–.05 0 3.1,3.0
HEL IV 18 12 47 31.1–.10 59.67N 22.14E 0 2.2L,3.0
CSEM IV 18 12 47 31.0–.18 59.72N 22.17E 2 2.2L,3.0
UPP IV 18 12 47 31.2 59.77N 22.14E 0 2.2L,3.0
NAO IV 18 12 47 33.4–1.5 60.00N 21.99E 2.1L,3.0
BER IV 18 12 47 35.0–3.9 60.05N 21.99E 0 2.1L,3.0
ISC Event type km.
IDC Error ellipse: s-maj=37.6km s-min=8.4km az=163.0.
ISCJB Event type km. Error ellipse: s-maj=4.7km s-min=3.8km az=7.7.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=0.6km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=5.0km s-min=3.7km az=178.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.
BER Event type sh. Error ellipse: s-maj=24.0km s-min=20.9km az=-1.0. Suspected explosion.

(724) Baltic States - Belarus - Northwestern Russia
ISC IV 18 12 54 29.0–.68 59.69N–.03 22.14E–.02 0 69 1-10
CSEM IV 18 12 54 29.8–.18 59.72N 22.25E 2 2.2L ¶13438825
ISCJB IV 18 12 54 29.3–.40 59.69N–.04 22.16E–.05 0 2.2L
HEL IV 18 12 54 30.5–.10 59.67N 22.13E 0 2.2L,2.2L
NAO IV 18 12 54 30.9–1.7 59.77N 22.05E 2.3L,2.2L
BER IV 18 12 54 32.3–2.9 59.81N 22.02E 0 2.3L,2.2L
IDC IV 18 12 54 33.6–.89 59.83N 22.06E 0 3.0,3.0
UPP IV 18 12 54 34.2 59.73N 21.60E 0 2.2L,3.0
ISC Event type km.
CSEM Event type km. Error ellipse: s-maj=4.9km s-min=3.8km az=15.0. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=5.1km s-min=3.7km az=6.7.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=18.6km s-min=16.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=11.9km s-min=7.1km az=168.0.
UPP Event type sm. Suspected Mining explosion.

(548) Poland
ISC IV 18 15 50 00.0–.45 51.46N–.02 16.06E–.02 0 3.7b 300 1-82
STR IV 18 15 49 55.0–.38 51.16N 16.79E 1 4.3L ¶12611383
ISCJB IV 18 15 49 57.1–.20 51.52N–.01 15.98E–.02 0 3.8b,3.4s
MOS IV 18 15 49 58.9–.95 51.55N 16.05E 9 4.1b,3.4s
LDG IV 18 15 49 58.4–.11 51.54N 16.09E 1 4.3L,3.4s
IPEC IV 18 15 49 58.3–.34 51.60N 16.18E 0–2 3.5L,3.4s
CSEM IV 18 15 49 58.8–.12 51.55N 16.01E 1 4.2L,4.0b
PRU IV 18 15 49 59.8 51.53N 16.09E 0 4.2L,4.0b
BGR IV 18 15 50 00.4–.36 51.52N 16.07E 1 3.8L,4.0b
WAR IV 18 15 50 01.5 51.47N 16.10E 3.8L,4.0b
VIE IV 18 15 50 02.6–.83 51.27N 16.01E 1–4 4.0s,3.2L
IDC IV 18 15 50 03.0–1.5 51.46N 16.04E 21–11 3.7,3.6
BNS IV 18 15 50 04.9–.93 51.36N 15.64E 5 3.8L,3.6
UPP IV 18 15 50 05.0 51.88N 15.54E 0 2.2L,3.6
ISC Event type sr.
STR Event type ke.
ISCJB Event type sr. Error ellipse: s-maj=2.0km s-min=1.8km az=160.0.
MOS Error ellipse: s-maj=8.3km s-min=4.9km az=87.5.
LDG Event type sr. Error ellipse: s-maj=3.3km s-min=1.6km az=171.0. Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.6km az=29.0.
CSEM Event type ki. Error ellipse: s-maj=2.9km s-min=2.7km az=176.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=18.0.
VIE Event type sr. Error ellipse: s-maj=4.2km s-min=2.0km az=6.0. 72 km WNW of Wroclaw . Suspected Mining induced.
IDC Error ellipse: s-maj=9.4km s-min=6.3km az=100.0.
BNS Event type ke.
UPP Event type sm. Suspected Mining explosion.

(366) Turkey
ISC IV 19 09 19 46.2–.73 39.12N–.02 27.60E–.02 0 83 0-2
ATH IV 19 09 19 43.7 39.10N 27.79E 21–1 3.2 ¶13568247
ISCJB IV 19 09 19 45.9–.30 39.12N–.02 27.54E–.03 0 3.2
ISK IV 19 09 19 45.9 39.08N 27.54E 13 2.9
CSEM IV 19 09 19 45.9–.12 39.12N 27.54E 1 2.9
DDA IV 19 09 19 46.0 39.10N 27.56E 7 2.9
ISC Event type ki.
ATH Error ellipse: s-maj=1.6km s-min=2.4km az=-1.0.
ISCJB Event type ki. Error ellipse: s-maj=3.6km s-min=2.5km az=41.4.
CSEM Event type ki. Error ellipse: s-maj=3.2km s-min=2.5km az=53.0.
DDA Event type ke.

(547) Czech and Slovak Republics
PRU IV 19 23 15 48.7 49.89N 18.49E 0 4.7 ¶12611398
PRU Event type ki.

(366) Turkey
ISC IV 20 08 50 27.9–1.1 37.23N–.03 28.15E–.03 0 21 0-2
ISK IV 20 08 50 25.4 37.27N 28.24E 16 1.8L ¶13568272
DDA IV 20 08 50 27.7 37.26N 28.19E 7 2.8
CSEM IV 20 08 50 27.6–.26 37.23N 28.17E 2 2.8
ISCJB IV 20 08 50 27.6–.64 37.23N–.04 28.16E–.05 0 2.8
ISC Event type ki.
DDA Event type ke.
CSEM Event type ki.
ISCJB Event type ki.

(724) Baltic States - Belarus - Northwestern Russia
ISC IV 20 08 53 03.2–.79 59.25N–.03 26.98E–.04 0 82 1-10
ISCJB IV 20 08 53 01.8–.57 59.24N–.02 27.05E–.08 0 ¶13438899
BER IV 20 08 53 04.5–4.7 59.25N 27.15E 0 2.3L
CSEM IV 20 08 53 04.7–.39 59.28N 27.00E 1 2.0L
HEL IV 20 08 53 05.3–.70 59.32N 27.11E 0 2.0L
NAO IV 20 08 53 06.5–2.1 59.39N 26.97E 2.3L
IDC IV 20 08 53 06.5–1.2 59.39N 26.97E 0 3.5,3.3
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.8km s-min=3.6km az=179.7.
BER Event type sh. Error ellipse: s-maj=23.0km s-min=36.5km az=-1.0. Suspected explosion.
CSEM Event type km. Error ellipse: s-maj=10.0km s-min=5.8km az=102.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=2.8km s-min=7.3km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=32.6km s-min=9.4km az=80.0.

(543) Germany
ISC IV 20 10 18 10.4–1.0 47.17N–.03 9.46E–.03 0 19 0-0
ZUR IV 20 10 18 09.7 47.17N 9.46E 8–2 0.9L ¶14370417
CSEM IV 20 10 18 09.5–.59 47.10N 9.52E 1 0.9L
ISCJB IV 20 10 18 10.2–.68 47.16N–.03 9.48E–.06 0 0.9L
VIE IV 20 10 18 10.2–.16 47.16N 9.47E 0 1.0L
ISC Event type sm.
ZUR Event type ke.
CSEM Event type sm. Error ellipse: s-maj=12.6km s-min=10.5km az=173.0. Suspected Mining explosion.
ISCJB Event type sm. Error ellipse: s-maj=5.8km s-min=4.8km az=27.2.
VIE Event type sm. Error ellipse: s-maj=1.5km s-min=0.9km az=107.0. 6 km WNW of Vaduz . Suspected Mining explosion.

(548) Poland
ISC IV 20 15 54 26.8–.72 51.57N–.03 16.07E–.02 0 153 1-11
ISCJB IV 20 15 54 24.7–.40 51.52N–.02 16.11E–.03 0 ¶12668556
IPEC IV 20 15 54 26.6–.28 51.58N 16.18E 0 2.3L
CSEM IV 20 15 54 26.4–.19 51.55N 16.14E 2 3.4L
WAR IV 20 15 54 27.3 51.57N 16.00E 3.4L
PRU IV 20 15 54 27.8 51.51N 16.11E 0 3.4L
BGR IV 20 15 54 27.7–.35 51.54N 16.11E 1 3.0L
IDC IV 20 15 54 28.9–.85 51.50N 16.06E 0 3.3,3.2
VIE IV 20 15 54 30.5–.52 51.26N 16.12E 0 2.9L,2.5b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.3km s-min=2.2km az=14.7.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=41.0.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=2.2km az=17.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=18.0.
IDC Error ellipse: s-maj=14.8km s-min=7.9km az=113.0.
VIE Event type sr. Error ellipse: s-maj=3.5km s-min=3.2km az=127.0. 64 km WNW of Wroclaw . Suspected Mining induced.

(536) Sweden
ISC IV 20 17 06 50.2–.72 67.06N–.02 21.00E–.03 0 102 1-8
ISCJB IV 20 17 06 49.3–.33 67.03N–.02 21.04E–.06 0 ¶13438915
UPP IV 20 17 06 50.3 67.07N 20.98E 0 1.7L
CSEM IV 20 17 06 50.3–.12 67.06N 20.98E 2 1.7L
HEL IV 20 17 06 51.1–.10 67.06N 20.91E 0 1.8L,1.7L
NAO IV 20 17 06 51.0–1.1 67.03N 21.31E 2.3L,1.7L
IDC IV 20 17 06 52.1–.90 67.08N 21.40E 0 2.9,2.8
BER IV 20 17 06 53.1–5.2 67.03N 21.04E 0 2.7L,2.3L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.5km s-min=2.7km az=13.0.
UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=3.0km s-min=2.5km az=99.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=7.9km az=117.0.
BER Event type sh. Error ellipse: s-maj=13.3km s-min=37.8km az=-1.0. Suspected explosion.

(548) Poland
ISC IV 20 18 02 22.5–.75 50.06N–.03 18.40E–.02 0 84 0-5
ISCJB IV 20 18 02 21.3–.40 50.13N–.03 18.38E–.03 0 ¶16194560
CSEM IV 20 18 02 22.6–.23 50.10N 18.35E 2 2.8L
VIE IV 20 18 02 22.8–.63 49.68N 18.54E 0 2.5L,2.0b
WAR IV 20 18 02 22.6 50.06N 18.44E 2.5L,2.0b
IPEC IV 20 18 02 22.4–.17 50.05N 18.46E 0–2 2.0L,2.0b
PRU IV 20 18 02 23.8 50.06N 18.34E 0 2.0L,2.0b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.4km s-min=2.4km az=15.1.
CSEM Event type ki. Error ellipse: s-maj=5.9km s-min=3.1km az=10.0.
VIE Event type sr. Error ellipse: s-maj=3.9km s-min=2.1km az=88.0. 27 km SE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=160.0.
PRU Event type ki.

(460) Wyoming

ISC IV 20 18 03 02.2–.58 43.75N–.02 105.28W–.02 0 4.0b 144 0-90
ISCJB IV 20 18 03 02.4–.20 43.73N–.01 105.33W–.02 0 4.1b,3.0s **¶12935814**
IDC IV 20 18 03 02.5–1.7 43.76N 105.52W 0 4.0b,3.8
NEIC IV 20 18 03 02.5–.37 43.76N 105.19W 0 3.4L,3.8
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=1.9km az=171.0.
IDC Error ellipse: s-maj=51.6km s-min=7.9km az=148.0.
NEIC Event type fm. Error ellipse: s-maj=4.9km s-min=4.4km az=90.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(536) Sweden

UPP IV 21 12 07 22.5 57.12N 12.43E 0 1.3L
CSEM IV 21 12 07 22.5 57.12N 12.43E 0 1.3L **¶16194613**
UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After UPP.

(548) Austria

ISC IV 21 14 03 59.5–.82 48.53N–.02 15.07E–.03 0 33 1-2
CSEM IV 21 14 03 58.9–.22 48.54N 15.11E 1 2.7L **¶12668747**
VIE IV 21 14 03 59.1–.10 48.51N 15.07E 0–1 2.2L,1.8b
PRU IV 21 14 04 00.3 48.54N 15.09E 0 2.2L,1.8b
ISC Event type km.
CSEM Event type km. Error ellipse: s-maj=4.8km s-min=3.5km az=92.0. Mining explosion.
VIE Event type km. Error ellipse: s-maj=0.8km s-min=0.7km az=162.0. 11 km SE of Gross Gerungs . Mining explosion.

(548) Poland

ISC IV 21 14 47 59.9–1.8 51.46N–.08 16.12E–.05 0 44 1-3
CSEM IV 21 14 47 59.7–.39 51.46N 16.12E 2 3.0L **¶12668753**
WAR IV 21 14 47 59.8 51.51N 16.11E 3.0L
PRU IV 21 14 48 00.2 51.46N 16.14E 0 3.0L
ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=6.6km s-min=5.4km az=52.0.
PRU Event type ki.

(460) Wyoming

ISC IV 21 18 08 08.9–.60 43.72N–.02 105.28W–.02 0 158 0-90
IDC IV 21 18 08 07.4–1.7 43.51N 105.31W 0 3.8b,3.5 **¶12935851**
ISCJB IV 21 18 08 08.5–.20 43.73N–.01 105.29W–.02 0 3.8b,3.5
NEIC IV 21 18 08 09.1–.39 43.74N 105.25W 0 3.3L,3.5
ISC Event type fm.
IDC Error ellipse: s-maj=46.1km s-min=8.5km az=149.0.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=1.8km az=159.9.
NEIC Event type fm. Error ellipse: s-maj=6.1km s-min=4.8km az=148.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(377) Spain

CSEM IV 22 11 35 46.4 41.19N 1.88E 0 1.6L
¶16194652
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.

(548) Poland

ISC IV 23 00 10 34.7–.80 51.52N–.03 16.08E–.02 0 78 1-5
ISCJB IV 23 00 10 33.6–.42 51.47N–.02 16.10E–.03 0 **¶12704716**
IPEC IV 23 00 10 33.4–.29 51.60N 16.16E 0 2.5L
PRU IV 23 00 10 35.6 51.50N 16.11E 0 2.5L
WAR IV 23 00 10 35.3 51.53N 16.08E 2.5L
CSEM IV 23 00 10 35.5–.20 51.45N 16.08E 1 3.5L
VIE IV 23 00 10 37.1–.68 51.30N 16.02E 0 2.7L,2.4b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.3km s-min=2.9km az=5.4.
IPEC Event type ki. Error ellipse: s-maj=3.4km s-min=1.7km az=67.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=3.5km s-min=2.9km az=151.0.
VIE Event type sr. Error ellipse: s-maj=4.4km s-min=4.0km az=152.0. 73 km WNW of Wroclaw . Suspected Mining induced.

(366) Turkey

DDA IV 24 13 06 43.0 39.12N 27.57E 7 2.6
CSEM IV 24 13 06 42.5–.26 39.06N 27.52E 1 2.6 **¶15136085**
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=5.6km s-min=4.5km az=6.0.

(547) Czech and Slovak Republics

PRU IV 24 20 56 33.0 49.83N 18.43E 0
¶12704735
PRU Event type ki.

(548) Poland

ISC IV 24 23 03 27.3–.86 51.58N–.03 16.10E–.02 0 73 1-5
IPEC IV 24 23 03 26.9–.29 51.58N 16.09E 0 2.2L **¶12704737**
CSEM IV 24 23 03 27.9–.25 51.51N 16.12E 2 3.4L
ISCJB IV 24 23 03 27.2–.64 51.47N–.03 16.13E–.04 0 3.4L
WAR IV 24 23 03 28.6 51.53N 16.10E 3.4L
PRU IV 24 23 03 29.3 51.48N 16.13E 0 3.4L
VIE IV 24 23 03 32.0–.70 51.21N 16.10E 0 2.6L,2.1b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=3.4km s-min=1.7km az=65.0.
CSEM Event type ki. Error ellipse: s-maj=4.3km s-min=3.4km az=18.0.
ISCJB Event type sr. Error ellipse: s-maj=4.9km s-min=3.1km az=15.1.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.4km s-min=4.0km az=174.0. 64 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC IV 25 02 53 57.4–.82 50.28N–.05 18.80E–.02 0 45 1-4
CSEM IV 25 02 53 56.6–.27 50.34N 18.76E 2 2.7L **¶12704740**
ISCJB IV 25 02 53 56.0–.51 50.28N–.04 18.75E–.03 0 2.7L
IPEC IV 25 02 53 57.4–.20 50.27N 18.82E 1–1 1.6L
PRU IV 25 02 53 57.6 50.28N 18.75E 0 1.6L
WAR IV 25 02 53 57.2 50.28N 18.82E 1.6L
ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=7.4km s-min=2.9km az=6.0.
ISCJB Event type ki. Error ellipse: s-maj=5.7km s-min=2.6km az=11.1.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.1km az=168.0.
PRU Event type ki.

(548) Poland

WAR IV 25 09 24 07.9 51.53N 16.10E
PRU IV 25 09 24 09.7 51.43N 16.07E 0 **¶12704743**
CSEM IV 25 09 24 10.8–.49 51.36N 16.08E 2 2.9L
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=7.9km s-min=3.5km az=5.0.

(546) Austria

CSEM IV 25 16 36 30.7–1.3 48.55N 16.27E 1
¶12704751
CSEM Event type km. Error ellipse: s-maj=20.7km s-min=9.8km az=173.0. Mining explosion.

(460) Wyoming

ISC IV 25 18 23 33.3–.59 43.76N–.02 105.26W–.02 0 152 0-82
IDC IV 25 18 23 32.3–1.9 43.59N 105.27W 0 3.9b,3.8 **¶12936131**
ISCJB IV 25 18 23 33.4–.18 43.76N–.01 105.27W–.02 0 4.0b,3.3s
NEIC IV 25 18 23 34.1–.40 43.82N 105.17W 0 3.4L,3.3s
ISC Event type fm.
IDC Error ellipse: s-maj=48.7km s-min=9.1km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=1.8km az=158.2.
NEIC Event type fm. Error ellipse: s-maj=5.8km s-min=5.0km az=170.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC IV 25 21 52 34.9–.58 51.53N–.02 16.13E–.02 0 193 1-60
ISCJB IV 25 21 52 33.6–.25 51.56N–.02 16.12E–.02 0 3.0b **¶12704797**
IPEC IV 25 21 52 35.7–.29 51.55N 16.22E 0 2.9L
CSEM IV 25 21 52 35.5–.14 51.54N 16.10E 1 3.9L
WAR IV 25 21 52 36.5 51.53N 16.08E 3.9L
PRU IV 25 21 52 36.9 51.51N 16.16E 0 3.9L
IDC IV 25 21 52 37.5–.62 51.49N 15.96E 0 3.4,3.3
VIE IV 25 21 52 39.0–.47 51.27N 16.04E 0 3.2L,2.8b
BGR IV 25 21 52 38.0–.47 51.43N 16.09E 1 3.4L,2.8b
LDG IV 25 21 52 39.3–.15 51.31N 15.82E 1 3.7L,2.8b
UPP IV 25 21 52 40.7 51.80N 15.74E 0 2.3L,2.8b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.3km s-min=2.1km az=17.5.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=34.0.
CSEM Event type ki. Error ellipse: s-maj=2.8km s-min=2.6km az=50.0.
PRU Event type ki. Felt In Harrachov.
IDC Error ellipse: s-maj=10.1km s-min=6.1km az=106.0.
VIE Event type sr. Error ellipse: s-maj=2.9km s-min=2.0km az=9.0. 70 km WNW of Wroclaw . Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=20.0.
LDG Event type sr. Error ellipse: s-maj=3.7km s-min=1.8km az=12.0. Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC IV 25 23 26 25.3–.77 51.48N–.03 16.08E–.02 0 148 1-19
ISCJB IV 25 23 26 21.7–.29 51.55N–.02 16.13E–.02 0 **¶12742308**
CSEM IV 25 23 26 23.9–.13 51.55N 16.13E 2 3.5L
IPEC IV 25 23 26 23.5–.28 51.59N 16.18E 0 2.4L
IDC IV 25 23 26 24.4–.75 51.54N 16.06E 0 3.3,3.2
PRU IV 25 23 26 25.1 51.52N 16.12E 0 3.3,3.2
BGR IV 25 23 26 25.9–.50 51.47N 16.08E 1 3.0L,3.2
WAR IV 25 23 26 26.1 51.48N 16.09E 3.0L,3.2
VIE IV 25 23 26 26.4–.49 51.35N 16.11E 0 3.0L,2.5b
LDG IV 25 23 26 29.5–.29 51.12N 15.85E 1 3.0L,2.5b
UPP IV 25 23 26 31.0 51.99N 15.41E 0 1.9L,2.5b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.6km s-min=2.1km az=30.9.
CSEM Event type ki. Error ellipse: s-maj=2.6km s-min=2.1km az=47.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=35.0.
IDC Error ellipse: s-maj=16.3km s-min=6.3km az=105.0.
PRU Event type ki. Felt In Harrachov.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=18.0.
VIE Event type sr. Error ellipse: s-maj=3.1km s-min=2.9km az=169.0. 68 km WNW of Wroclaw . Suspected Mining induced.
LDG Event type sr. Error ellipse: s-maj=7.9km s-min=2.8km az=12.0. Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.

(547) Czech and Slovak Republics

ISC IV 26 00 51 46.0–.70 49.88N–.02 18.44E–.02 0 141 0-12
ISCJB IV 26 00 51 44.9–.34 49.88N–.02 18.34E–.02 0 **¶12704816**
CSEM IV 26 00 51 46.1–.22 49.85N 18.41E 2 3.1L
IPEC IV 26 00 51 46.1–.18 49.82N 18.52E 0 2.4L
IDC IV 26 00 51 46.6–1.1 49.67N 18.56E 0 3.1,2.9
VIE IV 26 00 51 47.1–.40 49.66N 18.41E 0 2.7L,1.9b
PRU IV 26 00 51 47.3 49.85N 18.45E 0 2.7L,1.9b
BGR IV 26 00 51 48.1–.65 49.83N 18.34E 1 3.1L,1.9b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.2km s-min=2.1km az=20.6.
CSEM Event type ki. Error ellipse: s-maj=4.6km s-min=3.3km az=18.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
IDC Error ellipse: s-maj=28.3km s-min=9.6km az=160.0.
VIE Event type sr. Error ellipse: s-maj=2.8km s-min=1.6km az=90.0. 23 km SSE of Ostrava . Suspected Mining induced.
PRU Event type kr. Rockburst In Mine Karvina, Felt In Orlova. Mining induced.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=5.6km az=12.0.

(538) France

UCC IV 26 05 04 30.9–2.5 49.66N 1.23E 1 1.9L
CSEM IV 26 05 04 36.5–.12 49.97N 0.79E 1 2.2L **¶12742310**
BGS IV 26 05 04 38.7–1.2 50.01N 0.73E 5 2.2L
UCC Event type sm. Suspected Mining explosion.
CSEM Event type km. Error ellipse: s-maj=4.6km s-min=2.1km az=4.0. Mining explosion.
BGS Error ellipse: s-maj=7.5km s-min=17.5km az=-1.0.

(366) Turkey

ISC IV 26 08 56 22.0–.96 37.27N–.03 28.20E–.03 0 33 0-1
ISK IV 26 08 56 21.6 37.28N 28.21E 5 2.6 **¶13568420**
DDA IV 26 08 56 22.5 37.22N 28.17E 7 2.8
CSEM IV 26 08 56 22.9–.22 37.27N 28.23E 1 2.6
ISCJB IV 26 08 56 23.1–.49 37.25N–.03 28.22E–.03 0 2.6
ISC Event type ki.
DDA Event type ke.
CSEM Event type ki.
ISCJB Event type ki.

(366) Turkey

ISC IV 26 09 02 47.2–.89 39.45N–.03 28.12E–.03 0 42 0-2
ISK IV 26 09 02 46.1 39.44N 28.14E 5 2.7 **¶13568421**
DDA IV 26 09 02 46.9 39.46N 28.11E 7 2.9
ISCJB IV 26 09 02 47.1–.50 39.44N–.03 28.16E–.04 0 2.9
CSEM IV 26 09 02 47.3–.21 39.45N 28.16E 1 2.7
ISC Event type ki.
DDA Event type ke.
ISCJB Event type ki. Error ellipse: s-maj=4.9km s-min=3.6km az=39.9.
CSEM Event type ki. Error ellipse: s-maj=5.0km s-min=3.6km az=41.0.

(366) Turkey

ISC IV 26 10 42 17.2–.84 40.98N–.04 40.63E–.02 0 37 0-2
ISCJB IV 26 10 42 18.0–.45 40.93N–.04 40.64E–.03 0 **¶13568423**
ISK IV 26 10 42 17.2 40.98N 40.52E 13 2.8
DDA IV 26 10 42 18.4 40.96N 40.66E 8 2.9
CSEM IV 26 10 42 18.3–.22 40.90N 40.65E 1 2.8
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.6km s-min=2.8km az=157.4.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=6.6km s-min=3.3km az=153.0.

(548) Poland

PRU IV 26 18 38 11.3 49.91N 19.03E 0
¶12704921
PRU Event type ki.

(548) Poland

ISC IV 26 20 33 34.9–.85 51.55N–.03 16.14E–.02 0 70 1-5
IPEC IV 26 20 33 34.9–.29 51.58N 16.20E 0 2.1L **¶12704922**
CSEM IV 26 20 33 35.7–.24 51.50N 16.11E 2 3.3L
WAR IV 26 20 33 36.5 51.52N 16.11E 3.3L
PRU IV 26 20 33 37.0 51.47N 16.11E 0 3.3L
VIE IV 26 20 33 38.5–.60 51.29N 16.12E 0 2.6L,2.1b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=34.0.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=3.5km az=12.0.
PRU Event type ki. Felt In Harrachov.
VIE Event type sr. Error ellipse: s-maj=3.8km s-min=3.5km az=172.0. 66 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC IV 27 09 08 41.8–.86 59.33N–.03 26.88E–.03 0 102 1-10
ISCJB IV 27 09 08 41.3–.65 59.36N–.03 26.92E–.09 0 **¶13439124**
NAO IV 27 09 08 42.7–2.3 59.37N 27.03E 2.4L
HEL IV 27 09 08 42.2–.20 59.29N 27.12E 0 2.0L,1.9L
BER IV 27 09 08 43.3–3.0 59.37N 26.96E 0 2.4L,1.9L
CSEM IV 27 09 08 43.0–.23 59.37N 26.97E 2 2.3L,1.9L
IDC IV 27 09 08 44.3–1.9 59.44N 27.02E 0 3.2,3.1
UPP IV 27 09 08 45.7 59.38N 26.73E 0 1.9L,3.1
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.5km s-min=4.5km az=18.9.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=13.9km s-min=26.4km az=-1.0. Suspected explosion.
CSEM Event type km. Error ellipse: s-maj=5.7km s-min=3.8km az=96.0. Mining explosion.
IDC Error ellipse: s-maj=16.6km s-min=9.5km az=127.0.
UPP Event type sm. Suspected Mining explosion.

(377) Spain

CSEM IV 27 11 39 42.9 41.52N 2.60E 0 1.9L
¶16194766
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.

(377) Spain

CSEM IV 27 11 40 09.0 42.95N 6.85W 0 0.6L
¶16194767

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.

(548) Poland

WAR	**IV**	**27 13 56 25.9**	**51.51N**	**16.12E**				
CSEM	IV	27 13 56 26.1–.69	51.47N	16.04E	1	3.1L		¶12742321
PRU	IV	27 13 56 27.8	51.42N	16.07E	0	3.1L		

CSEM Event type ki. Error ellipse: s-maj=11.5km s-min=5.3km az=173.0.
PRU Event type ki.

(536) Sweden

ISC	**IV**	**27 18 03 02.9–.95**	**67.07N–.03**	**20.84E–.06**	**0**		**47**	**1-7**
ISCJB	IV	27 18 03 02.3–.53	67.06N–.03	20.7E–.20	0			¶12936271
IDC	IV	27 18 03 03.7–1.1	67.14N	21.42E	0	2.7,2.6		
HEL	IV	27 18 03 03.5–.20	67.10N	20.72E	0	2.5L,1.8L		
CSEM	IV	27 18 03 03.7–.27	67.09N	20.74E	2	1.8L,1.8L		
UPP	IV	27 18 03 03.2	67.08N	20.94E	0	1.8L,1.8L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=8.9km s-min=4.7km az=177.6.
IDC Error ellipse: s-maj=19.7km s-min=8.0km az=108.0.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9.7km s-min=4.8km az=79.0. Mining explosion.
UPP Event type km. Mining explosion.

(460) Wyoming

ISC	**IV**	**27 20 04 31.2–1.1**	**43.78N–.02**	**105.27W–.02**	**4–9**		**182**	**0-20**
NEIC	IV	27 20 04 31.2–.36	43.81N	105.22W	0	3.2L		¶12936263
IDC	IV	27 20 04 31.4–2.0	43.96N	105.57W	0	3.9,3.6		

ISC Event type ke.
NEIC Event type fm. Error ellipse: s-maj=5.1km s-min=4.4km az=135.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=57.2km s-min=9.1km az=147.0.

(548) Poland

ISC	**IV**	**28 08 48 35.6–1.2**	**51.51N–.06**	**16.05E–.03**	**0**		**37**	**1-4**
ISCJB	IV	28 08 48 34.3–.87	51.49N–.04	16.05E–.04	0			¶12742465
CSEM	IV	28 08 48 35.6–.41	51.49N	16.05E	2	3.5L		
PRU	IV	28 08 48 36.5	51.47N	16.09E	0	3.5L		
WAR	IV	28 08 48 36.2	51.53N	16.07E		3.5L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.3km s-min=3.6km az=15.7.
CSEM Event type ki. Error ellipse: s-maj=7.3km s-min=3.7km az=1.0.
PRU Event type ki.

(723) Finland-Karelia border region

ISC	**IV**	**28 09 30 45.3–.99**	**61.14N–.05**	**29.92E–.05**	**0**		**58**	**1-9**
ISCJB	IV	28 09 30 47.4–.79	61.21N–.04	29.65E–.08	0			¶14472537
BER	IV	28 09 30 47.8–2.3	61.12N	29.79E	0	2.2L		
HEL	IV	28 09 30 47.3–.20	61.06N	29.94E	0	2.0L,1.7L		
CSEM	IV	28 09 30 48.5–.43	61.17N	29.78E	2	3.1L,1.7L		
NAO	IV	28 09 30 48.0–2.5	61.12N	29.77E		2.2L,1.7L		
UPP	IV	28 09 30 49.9	61.17N	29.78E	0	1.7L,1.7L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.0km s-min=4.7km az=139.3.
BER Event type sh. Error ellipse: s-maj=10.7km s-min=17.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=1.3km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9.0km s-min=5.8km az=139.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.

(536) Sweden

ISC	**IV**	**28 14 20 21.0–.92**	**58.24N–.04**	**11.24E–.03**	**0**		**39**	**1-13**
ISCJB	IV	28 14 20 21.0–.68	58.24N–.05	11.24E–.06	0			¶13439161
CSEM	IV	28 14 20 21.7–.16	58.22N	11.23E	2	2.5L		
UPP	IV	28 14 20 21.9	58.19N	11.24E	0	2.5L		
BER	IV	28 14 20 22.6–2.9	58.17N	11.29E	0–14	1.7,1.7L		
NAO	IV	28 14 20 24.9–2.2	58.33N	11.37E		1.7L,1.7L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.1km s-min=4.7km az=176.6.
CSEM Event type km. Error ellipse: s-maj=3.6km s-min=2.5km az=8.0. Mining explosion.
UPP Event type km. Mining explosion.
BER Error ellipse: s-maj=10.8km s-min=16.7km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(533) United Kingdom

BGS	**IV**	**28 14 50 08.6–.52**	**50.06N**	**0.78E**	**6**	**2.4L**		
CSEM	IV	28 14 50 07.2–.08	50.04N	0.75E	1	2.4L		¶12742504

BGS Error ellipse: s-maj=4.0km s-min=10.6km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=3.8km s-min=1.8km az=171.0. Mining explosion.

(548) Poland

WAR	**IV**	**28 15 48 09.2**	**51.54N**	**16.09E**				
CSEM	IV	28 15 48 09.4–1.8	51.47N	16.15E	1			¶12742509
PRU	IV	28 15 48 11.3	51.40N	16.19E	0			

CSEM Event type ki. Error ellipse: s-maj=28.5km s-min=12.0km az=4.0.
PRU Event type ki.

(548) Poland

ISC	**IV**	**28 16 01 43.4–1.6**	**51.47N–.07**	**16.07E–.04**	**0**		**34**	**1-3**
CSEM	IV	28 16 01 43.4–.66	51.46N	16.08E	2	3.0L		¶12742511
WAR	IV	28 16 01 43.4	51.53N	16.07E		3.0L		
PRU	IV	28 16 01 44.3	51.45N	16.09E	0	3.0L		

ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=10.7km s-min=5.7km az=21.0.
PRU Event type ki.

(366) Turkey

ISC	**IV**	**28 20 08 59.5–.71**	**38.73N–.02**	**27.24E–.02**	**0**		**127**	**0-4**
DDA	IV	28 20 08 59.8	38.73N	27.26E	24	3.1		¶13568479
ISCJB	IV	28 20 09 00.0–.24	38.75N–.02	27.23E–.02	0	3.1		
ISK	IV	28 20 09 00.7	38.74N	27.26E	9	3.6		
CSEM	IV	28 20 09 00.4–.10	38.75N	27.24E	1	3.6		
ATH	IV	28 20 09 01.0	38.73N	27.29E	30–6	3.3		

ISC Event type ki.
DDA Event type ke.
ISCJB Event type ki. Error ellipse: s-maj=2.6km s-min=2.3km az=11.0.
CSEM Event type ki. Error ellipse: s-maj=2.6km s-min=2.1km az=98.0.
ATH Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0.

(366) Turkey

ISC	**IV**	**28 22 40 14.5–1.0**	**38.75N–.02**	**27.26E–.02**	**5–9**		**113**	**0-2**
DDA	IV	28 22 40 13.2	38.74N	27.25E	22	3.0		¶13568484
ISCJB	IV	28 22 40 14.4–.40	38.75N–.02	27.24E–.02	7–3	3.0		
ISK	IV	28 22 40 14.0	38.75N	27.23E	8	3.2		
ATH	IV	28 22 40 15.4	38.73N	27.24E	5	3.2		

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=30.1.
ATH Error ellipse: s-maj=3.0km s-min=5.1km az=-1.0.

(377) Spain

CSEM	**IV**	**29 08 03 59.8**	**41.16N**	**1.93E**	**0**	**1.1L**		¶16194852

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.

(366) Turkey

ISC	**IV**	**29 08 55 51.9–.90**	**37.28N–.02**	**28.24E–.02**	**0**		**45**	**0-2**
ISK	IV	29 08 55 50.4	37.28N	28.24E	13	2.7		¶13568494
ISCJB	IV	29 08 55 51.1–.41	37.28N–.02	28.24E–.03	0	2.7		
DDA	IV	29 08 55 51.0	37.22N	28.20E	7	2.7		
CSEM	IV	29 08 55 51.5–.12	37.26N	28.23E	2	2.7		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.7km s-min=3.1km az=34.6.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=2.6km s-min=2.0km az=35.0.

(724) Baltic States - Belarus - Northwestern Russia

HEL	**IV**	**29 14 52 30.0–.20**	**67.76N**	**33.74E**	**0**	**2.7L**		
CSEM	IV	29 14 52 27.1–1.2	67.70N	34.09E	1	2.7L		¶13439182
NAO	IV	29 14 52 27.2–1.5	67.62N	33.76E		2.9L		
IDC	IV	29 14 52 29.8–2.3	67.66N	33.63E	0	3.3,3.2		

HEL Event type sh. Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0. Suspected explosion.
CSEM Event type sm. Error ellipse: s-maj=30.5km s-min=9.6km az=81.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.0km s-min=9.5km az=78.0.

(460) Wyoming

ISC	**IV**	**29 18 19 28.3–1.1**	**44.06N–.02**	**105.40W–.02**	**4–9**		**97**	**0-89**
IDC	IV	29 18 19 26.8–2.0	44.13N	105.59W	0	4.1L,3.5		¶12936396
NEIC	IV	29 18 19 28.5–.77	44.09N	105.39W	0	3.0L,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=52.3km s-min=14.5km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=13.5km s-min=7.9km az=14.0. 25 km [15 miles] SSE of Gillette. Suspected Mining explosion.

(542) Denmark

ISC	**IV**	**30 09 17 22.4–1.0**	**56.54N–.04**	**12.12E–.05**	**0**		**30**	**1-14**
IDC	IV	30 09 17 07.7–3.2	55.22N	12.15E	0	3.3,3.2		¶13439219
ISCJB	IV	30 09 17 21.4–1.1	56.49N–.05	11.9E–.10	0	3.3,3.2		
CSEM	IV	30 09 17 22.5–.41	56.48N	11.95E	2	2.1L,3.2		
NAO	IV	30 09 17 23.1–3.0	56.60N	11.98E		2.0L,3.2		
UPP	IV	30 09 17 23.0	56.49N	11.96E	0	2.1L,3.2		
BER	IV	30 09 17 26.4–4.7	56.58N	12.65E	13–39	2.0L,3.2		

ISC Event type km.
IDC Error ellipse: s-maj=29.6km s-min=22.0km az=28.0.
ISCJB Event type km. Error ellipse: s-maj=11.5km s-min=6.9km az=158.9.
CSEM Event type km. Error ellipse: s-maj=9.5km s-min=4.4km az=62.0. Mining explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
UPP Event type km. Mining explosion.
BER Error ellipse: s-maj=34.0km s-min=102.5km az=-1.0.

(548) Poland

ISC	**IV**	**30 12 15 54.3–1.0**	**50.32N–.06**	**18.79E–.03**	**0**		**20**	**1-4**
CSEM	IV	30 12 15 53.6–.47	50.43N	18.77E	1	2.5L		¶12742802
PRU	IV	30 12 15 54.5	50.37N	18.79E	0	2.5L		
WAR	IV	30 12 15 54.8	50.36N	18.88E		2.5L		

ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=12.2km s-min=4.8km az=178.0.
PRU Event type ki.

(366) Turkey

ISC	**IV**	**30 14 46 53.3–.96**	**39.42N–.05**	**28.05E–.05**	**0**		**21**	**0-2**
ISK	IV	30 14 46 52.9	39.33N	27.92E	18	2.7		¶13568525
ISCJB	IV	30 14 46 53.2–.77	39.42N–.05	28.1E–.10	0	2.7		
DDA	IV	30 14 46 53.5	39.43N	28.11E	7	2.9		
CSEM	IV	30 14 46 54.5–.54	39.59N	28.23E	1	2.7		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=13.0km s-min=4.8km az=148.9.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=26.3km s-min=10.7km az=28.0.

(543) Germany

ISC	**V**	**01 01 50 31.8–.74**	**51.47N–.02**	**6.53E–.02**	**0**		**121**	**0-5**
UCC	V	01 01 50 31.6–.44	51.65N	6.39E	6–2	2.0L		¶12793918
CSEM	V	01 01 50 32.5–.26	51.49N	6.57E	1	2.6L		
ISCJB	V	01 01 50 32.0–.37	51.46N–.02	6.56E–.03	0	2.6L		
BUG	V	01 01 50 32.3	51.42N	6.55E	1	1.8L		
LDG	V	01 01 50 32.8–.14	51.53N	6.60E	1	3.0,2.6L		
BNS	V	01 01 50 34.0–1.4	51.47N	6.60E	1	1.9L,2.6L		
BGR	V	01 01 50 34.1–1.0	51.43N	6.71E	1	2.2L,2.6L		

ISC Event type ki.
UCC Event type si.
CSEM Event type ki. Error ellipse: s-maj=4.2km s-min=4.2km az=165.0.
ISCJB Event type sr. Error ellipse: s-maj=3.1km s-min=2.6km az=15.2.
BUG Event type ki.
LDG Event type sr. Error ellipse: s-maj=2.3km s-min=1.5km az=9.0. Suspected Mining induced.
BNS Event type ki.
BGR Event type ki. Error ellipse: s-maj=13.3km s-min=4.4km az=144.0.

(548) Poland

ISC	**V**	**01 04 12 43.0–1.2**	**51.45N–.05**	**16.06E–.03**	**0**		**49**	**1-3**
IPEC	V	01 04 12 41.2–.28	51.56N	16.19E	0	1.8L		¶12754036
WAR	V	01 04 12 42.0	51.54N	16.09E		1.8L		
ISCJB	V	01 04 12 42.0–.85	51.40N–.04	16.05E–.04	0	1.8L		
CSEM	V	01 04 12 43.4–.38	51.41N	16.05E	2	2.8L		
PRU	V	01 04 12 44.2	51.41N	16.06E	0	2.8L		

ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=40.0.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=3.4km az=16.3.
CSEM Event type ki. Error ellipse: s-maj=6.5km s-min=3.5km az=7.0.
PRU Event type ki.

(548) Poland

ISC	**V**	**01 11 09 09.2–.76**	**51.60N–.03**	**16.08E–.03**	**0**		**80**	**1-60**
ISCJB	V	01 11 09 08.2–.48	51.55N–.03	16.06E–.03	0	3.0b		¶12754043
CSEM	V	01 11 09 09.7–.38	51.55N	16.03E	2	3.4L		
IPEC	V	01 11 09 09.0–.27	51.64N	16.12E	0	2.6L		
PRU	V	01 11 09 10.4	51.55N	16.06E	0	2.6L		
IDC	V	01 11 09 11.3–.80	51.52N	15.87E	0	3.2,3.1		
WAR	V	01 11 09 12.3	51.49N	16.09E		3.2,3.1		
VIE	V	01 11 09 13.0–.51	51.32N	16.06E	0	2.9L,2.5b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.8km s-min=2.7km az=23.2.
CSEM Event type ki. Error ellipse: s-maj=6.4km s-min=3.8km az=4.0.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=45.0.
PRU Event type ki.
IDC Error ellipse: s-maj=14.9km s-min=8.8km az=99.0.
VIE Event type sr. Error ellipse: s-maj=3.3km s-min=3.2km az=146.0. 70 km WNW of Wroclaw . Suspected Mining induced.

(495) Eastern Arizona

ISC	**V**	**01 19 33 02.7–.00**	**36.43N–.04**	**110.28W–.04**	**0**		**27**	**1-9**
IDC	V	01 19 33 03.8–1.4	36.71N	110.10W	0	2.9,2.8		¶13678191
NEIC	V	01 19 33 03.9–.51	36.38N	110.27W	0	2.7L,2.8		
ISCJB	V	01 19 33 03.3–.48	36.35N–.04	110.24W–.06	0	2.7L,2.8		

ISC Event type sm.
NEIC Event type fm. 40 km [25 miles] S of Kayenta. Suspected Mining explosion.
ISCJB Event type fm.

(722) Norway-Murmansk border region

HEL	**V**	**02 11 06 37.0–1.0**	**69.43N**	**30.72E**	**0**	**1.1L**		¶14610214

HEL Event type kh. Error ellipse: s-maj=3.2km s-min=12.3km az=-1.0. Explosion.

(536) Sweden

ISC	**V**	**02 15 38 49.0–.86**	**59.40N–.03**	**17.75E–.03**	**0**		**60**	**0-11**
ISCJB	V	02 15 38 48.7–.59	59.41N–.04	17.82E–.06	0			¶13439280
CSEM	V	02 15 38 49.6–.18	59.41N	17.74E	2	1.8L		
UPP	V	02 15 38 49.2	59.39N	17.79E	0	1.8L		
HEL	V	02 15 38 50.1–.20	59.40N	17.74E	0	1.8L,1.8L		
IDC	V	02 15 38 51.5–2.5	59.52N	17.77E	0	3.1,2.9		
NAO	V	02 15 38 51.2–1.7	59.54N	17.67E		1.9L,2.9		
BER	V	02 15 38 52.1–3.8	59.54N	17.68E	0–20	1.9L,2.9		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.2km s-min=4.4km az=162.3.
CSEM Event type km. Error ellipse: s-maj=4.4km s-min=3.3km az=159.0. Mining explosion.
UPP Event type km. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=29.4km s-min=9.2km az=177.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=32.1km s-min=14.6km az=-1.0.

(460) Wyoming

ISC	**V**	**02 17 04 41.1–.66**	**43.76N–.02**	**105.33W–.02**	**0**		**172**	**0-61**
ISCJB	V	02 17 04 40.5–.18	43.76N–.01	105.32W–.02	0	4.1b		¶13678237
NEIC	V	02 17 04 41.4–.39	43.80N	105.25W	0	3.0L		
IDC	V	02 17 04 41.6–1.7	43.87N	105.55W	0	3.9b,3.6		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.5km s-min=1.7km az=165.8.
NEIC Event type fm. Error ellipse: s-maj=5.8km s-min=4.9km az=176.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=50.6km s-min=8.1km az=147.0.

(460) Wyoming

ISC	**V**	**02 20 00 49.9–.65**	**43.60N–.02**	**105.25W–.02**	**0**		**92**	**0-68**
IDC	V	02 20 00 48.2–2.2	43.35N	105.29W	0	3.7b,3.7		¶13678246
ISCJB	V	02 20 00 49.4–.24	43.62N–.02	105.25W–.03	0	4.0b,2.9s		
NEIC	V	02 20 00 50.2–.41	43.66N	105.19W	0	3.1L,2.9s		

ISC Event type sm.
IDC Error ellipse: s-maj=51.5km s-min=8.4km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=2.9km s-min=2.4km az=39.7.
NEIC Event type fm. Error ellipse: s-maj=5.9km s-min=5.2km az=150.0. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**V**	**02 20 57 10.4–.92**	**51.57N–.04**	**16.15E–.03**	**0**		**66**	**1-4**
ISCJB	V	02 20 57 09.7–.60	51.51N–.03	16.13E–.04	0			¶12754058
CSEM	V	02 20 57 11.1–.40	51.51N	16.12E	2	3.1L		
IPEC	V	02 20 57 11.0–.24	51.54N	16.21E	0–1	1.9L		
PRU	V	02 20 57 12.0	51.50N	16.13E	0	1.9L		
WAR	V	02 20 57 12.7	51.50N	16.13E		1.9L		
VIE	V	02 20 57 14.8–.55	51.23N	16.14E	0	2.5L,2.2b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.4km s-min=3.1km az=18.6.
CSEM Event type ki. Error ellipse: s-maj=6.6km s-min=4.2km az=179.0.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=0.7km az=35.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.8km s-min=3.1km az=166.0. 62 km WNW of Wroclaw . Suspected Mining induced.

(366) Turkey

ISC	**V**	**03 06 06 18.2–1.1**	**37.25N–.03**	**28.22E–.02**	**0**		**34**	**0-1**
ISK	V	03 06 06 17.6	37.23N	28.21E	4	2.6		¶13839212
DDA	V	03 06 06 17.5	37.25N	28.24E	7	2.7		
ISCJB	V	03 06 06 17.7–.47	37.25N–.03	28.22E–.04	0	2.7		
CSEM	V	03 06 06 18.0–.08	37.24N	28.22E	2	2.6		

ISC Event type kh.
DDA Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=5.1km s-min=3.3km az=39.6.
CSEM Event type ki. Error ellipse: s-maj=2.0km s-min=1.4km az=37.0.

(548) Poland

ISC	**V**	**03 13 21 57.7–1.1**	**51.49N–.05**	**16.13E–.02**	**0**		**76**	**1-5**
IPEC	V	03 13 21 56.7–.29	51.57N	16.25E	0	2.2L		¶12754064
ISCJB	V	03 13 21 56.2–.62	51.47N–.03	16.13E–.03	0	2.2L		
CSEM	V	03 13 21 57.5–.35	51.49N	16.11E	2	3.3L		
WAR	V	03 13 21 58.5	51.50N	16.09E		3.3L		
PRU	V	03 13 21 58.6	51.49N	16.10E	0	3.3L		
VIE	V	03 13 21 59.8–.69	51.34N	16.05E	0	2.8L,2.5b		

ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=34.0.
ISCJB Event type sr. Error ellipse: s-maj=4.5km s-min=2.8km az=14.8.
CSEM Event type ki.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.6km s-min=3.9km az=159.0. 72 km WNW of Wroclaw . Suspected Mining induced.

(366) Turkey

ISC	**V**	**03 14 50 49.3–1.3**	**37.19N–.03**	**28.13E–.02**	**0**		**26**	**0-1**
ISK	V	03 14 50 47.9	37.18N	28.12E	2	2.4		¶13839218
CSEM	V	03 14 50 48.9–.15	37.19N	28.13E	1	2.4		
DDA	V	03 14 50 48.6	37.23N	28.11E	14	2.6		
ISCJB	V	03 14 50 48.7–.56	37.18N–.04	28.12E–.04	0	2.6		

ISC Event type kh.
CSEM Event type ki.
DDA Event type kh.
ISCJB Event type kh.

(460) Wyoming

ISC	**V**	**04 19 06 35.1–.65**	**43.64N–.02**	**105.26W–.02**	**0**		**96**	**0-62**
IDC	V	04 19 06 33.3–2.1	43.42N	105.24W	0	4.3b,3.8		¶13678349
NEIC	V	04 19 06 35.8–.45	43.67N	105.16W	0	3.1L,3.8		
ISCJB	V	04 19 06 35.4–.25	43.68N–.01	105.26W–.03	0	4.5b,3.8		

ISC Event type sm.
NEIC Event type fm. 75 km [45 miles] SSE of Gillette. Suspected Mining explosion.
ISCJB Event type fm.

(495) Eastern Arizona

ISC	**V**	**05 00 58 23.0–.77**	**33.04N–.02**	**109.27W–.02**	**0**		**68**	**1-6**
NEIC	V	05 00 58 20.8–.82	32.89N	109.24W	0	2.6L		¶14598052
ISCJB	V	05 00 58 21.1–.32	33.13N–.02	109.38W–.02	0	2.6L		

ISC Event type sm.
NEIC Event type fm. 20 km [10 miles] S of Clifton. Suspected Mining explosion.
ISCJB Event type fm.

(548) Poland

ISC	**V**	**05 03 13 28.5–.91**	**50.26N–.04**	**18.76E–.02**	**0**		**40**	**1-4**
ISCJB	V	05 03 13 27.4–.62	50.30N–.04	18.74E–.03	0			¶12793966
CSEM	V	05 03 13 28.0–.32	50.33N	18.74E	2	2.5L		
IPEC	V	05 03 13 28.3–.19	50.31N	18.80E	0	1.7L		
PRU	V	05 03 13 29.0	50.26N	18.76E	0	1.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.3km s-min=3.0km az=7.7.
CSEM Event type ki. Error ellipse: s-maj=8.1km s-min=3.8km az=179.0.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.1km az=168.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**05 09 51 59.6–.81**	**59.82N–.03**	**22.34E–.03**	**0**		**54**	**1-10**
UPP	V	05 09 51 59.7	59.82N	22.38E	0	2.0L		¶14610302
ISCJB	V	05 09 51 59.7–.46	59.81N–.03	22.31E–.05	0	2.0L		
CSEM	V	05 09 52 00.4–.35	59.81N	22.35E	2	1.6L		
IDC	V	05 09 52 01.6–2.0	59.88N	22.47E	0	3.1,3.0		
HEL	V	05 09 52 01.3	59.84N	22.31E	0	1.6L,3.0		

ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=5.1km s-min=3.5km az=160.8.
CSEM Event type km. Error ellipse: s-maj=9.4km s-min=6.3km az=160.0. Mining explosion.
IDC Error ellipse: s-maj=24.8km s-min=8.3km az=160.0.
HEL Event type kh. Explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**05 11 01 27.2–.87**	**59.83N–.04**	**22.31E–.03**	**0**		**55**	**1-10**
ISCJB	V	05 11 01 27.0–.44	59.81N–.04	22.36E–.06	0			¶14610305
CSEM	V	05 11 01 27.4–.15	59.84N	22.44E	2	1.5L		
IDC	V	05 11 01 28.8–1.9	59.90N	22.33E	0	2.9,2.8		
HEL	V	05 11 01 29.0	59.84N	22.31E	0	1.5L,2.8		
UPP	V	05 11 01 30.6	59.85N	21.89E	0	1.9L,2.8		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.6km s-min=3.4km az=144.7.
CSEM Event type km. Error ellipse: s-maj=4.8km s-min=2.8km az=135.0. Mining explosion.
IDC Error ellipse: s-maj=29.2km s-min=6.4km az=161.0.
HEL Event type kh. Explosion.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC	**V**	**05 15 22 53.3–.97**	**50.15N–.05**	**18.41E–.03**	**0**		**27**	**0-3**
ISCJB	V	05 15 22 51.9–.63	50.16N–.04	18.37E–.03	0			¶12793973
WAR	V	05 15 22 53.8	50.08N	18.45E				
CSEM	V	05 15 22 53.2–.51	50.14N	18.38E	1	2.5L		
IPEC	V	05 15 22 53.6–.17	50.07N	18.47E	0–2	1.5L		
PRU	V	05 15 22 54.0	50.13N	18.38E	0	1.5L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=3.1km az=1.0.
CSEM Event type ki. Error ellipse: s-maj=7.4km s-min=4.5km az=51.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=160.0.
PRU Event type ki.

(546) Austria

ISC	**V**	**05 16 54 36.9–.72**	**48.80N–.02**	**14.06E–.02**	**0**		**68**	**0-2**
ISCJB	V	05 16 54 35.4–.32	48.82N–.02	14.08E–.03	0			¶13917769
CSEM	V	05 16 54 36.6–.13	48.80N	14.06E	2	3.0L		
VIE	V	05 16 54 36.2–.23	48.78N	14.04E	0	2.4L,1.7b		
IPEC	V	05 16 54 37.2–.06	48.79N	14.03E	0–0	1.8L,1.7b		
BGR	V	05 16 54 37.0–.37	48.82N	14.06E	10	1.9L,1.7b		
PRU	V	05 16 54 37.2	48.79N	14.03E	0	1.9L,1.7b		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=2.5km s-min=2.3km az=137.3.
CSEM Event type sm. Error ellipse: s-maj=2.8km s-min=2.2km az=30.0. Suspected Mining explosion.
VIE Event type sm. Error ellipse: s-maj=2.4km s-min=1.6km az=43.0. 16 km NNE of Aigen im Muehlkreis . Suspected Mining explosion.
IPEC Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=2.0.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=65.0.
PRU Event type ke. Tectonic Event Near Lipno-felt In Horni Plana, Manava, Pernek.

(460) Wyoming

ISC	**V**	**05 21 09 16.3–.96**	**43.78N–.05**	**105.54W–.05**	**0**		**33**	**1-31**
ISCJB	V	05 21 09 13.5–.78	43.98N–.05	105.49W–.05	0	3.2b		¶13678408
NEIC	V	05 21 09 16.0–1.3	43.86N	105.41W	0	3.2L		
IDC	V	05 21 09 16.8–1.7	43.57N	105.41W	0	3.5,3.3		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=7.9km s-min=4.6km az=28.7.
NEIC Event type fm. Error ellipse: s-maj=19.5km s-min=17.6km az=144.0. 50 km [30 miles] S of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=38.1km s-min=9.1km az=148.0.

(548) Poland

ISC	**V**	**06 05 50 10.2–.64**	**51.55N–.03**	**16.12E–.02**	**0**		**87**	**1-60**
ISCJB	V	06 05 50 09.3–.41	51.50N–.02	16.13E–.03	0	3.5b		¶12793992
IPEC	V	06 05 50 11.4–.28	51.51N	16.24E	0	2.6L		
WAR	V	06 05 50 11.8	51.53N	16.17E		2.6L		
CSEM	V	06 05 50 12.0–.35	51.45N	16.10E	2	3.6L		
IDC	V	06 05 50 12.8–.70	51.46N	16.04E	0	3.6,3.5b		
PRU	V	06 05 50 13.3	51.42N	16.07E	0	3.6,3.5b		
VIE	V	06 05 50 14.0–.40	51.30N	16.08E	0	3.1L,2.7b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.1km s-min=2.8km az=30.8.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=40.0.
CSEM Event type ki. Error ellipse: s-maj=5.8km s-min=3.7km az=1.0.
IDC Error ellipse: s-maj=14.9km s-min=6.8km az=109.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.7km s-min=1.9km az=19.0. 69 km WNW of Wroclaw . Suspected Mining induced.

(366) Turkey

ISC	**V**	**06 09 11 41.8–.86**	**39.13N–.03**	**27.57E–.03**	**0**		**34**	**0-2**
ISK	V	06 09 11 39.9	39.23N	27.53E	5	2.4		¶13839304
DDA	V	06 09 11 42.3	39.12N	27.56E	7	2.8		
CSEM	V	06 09 11 42.7–.65	39.08N	27.60E	1	2.8		
ISCJB	V	06 09 11 42.7–.55	39.12N–.03	27.53E–.04	0	2.8		

ISC Event type kh.
DDA Event type kh.
CSEM Event type ki.
ISCJB Event type kh.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**06 09 20 20.7–.99**	**59.26N–.03**	**27.05E–.04**	**0**		**39**	**1-10**
NAO	V	06 09 20 21.7–1.0	59.28N	26.87E		2.5L		¶13439355
CSEM	V	06 09 20 21.2–.30	59.27N	27.00E	2	2.5L		
BER	V	06 09 20 22.1–2.7	59.31N	27.07E	0	2.5L		
HEL	V	06 09 20 23.2–1.0	59.33N	27.04E	0	1.8L		

ISC Event type km.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=6.3km s-min=4.5km az=109.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=4.7km s-min=15.9km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=3.9km s-min=8.2km az=-1.0. Explosion.

(366) Turkey

ISC	**V**	**06 09 40 00.5–.99**	**37.26N–.03**	**28.24E–.03**	**0**		**29**	**0-1**
ISK	V	06 09 40 00.2	37.25N	28.22E	6	2.6		¶13839307
DDA	V	06 09 40 00.2	37.23N	28.17E	7	2.9		
CSEM	V	06 09 40 00.5–.16	37.25N	28.22E	1	2.6		
ISCJB	V	06 09 40 00.5–.51	37.24N–.03	28.21E–.04	0	2.6		

ISC Event type kh.
DDA Event type kh.
CSEM Event type ki.
ISCJB Event type kh.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**06 09 45 30.1–.76**	**59.80N–.03**	**22.27E–.02**	**0**		**36**	**1-10**
ISCJB	V	06 09 45 30.5–.49	59.81N–.04	22.31E–.05	0			¶13678443
HEL	V	06 09 45 31.9–.10	59.81N	22.30E	0	2.2L,1.9L		
CSEM	V	06 09 45 31.3–.23	59.82N	22.33E	2	1.9L,1.9L		
IDC	V	06 09 45 32.8–2.3	59.96N	22.31E	0	3.2,3.0		
UPP	V	06 09 45 32.5	59.82N	22.13E	0	2.2L,3.0		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.1km s-min=3.9km az=6.0.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=6.7km s-min=4.2km az=6.0. Mining explosion.
IDC Error ellipse: s-maj=32.4km s-min=8.2km az=162.0.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC	**V**	**07 04 10 19.6–.93**	**50.28N–.04**	**18.74E–.02**	**0**		**41**	**1-4**
ISCJB	V	07 04 10 18.4–.62	50.32N–.04	18.71E–.03	0			¶12793644
CSEM	V	07 04 10 19.2–.23	50.33N	18.75E	2	2.6L		
IPEC	V	07 04 10 19.4–.22	50.34N	18.78E	1–1	1.8L		
PRU	V	07 04 10 20.2	50.26N	18.74E	0	1.8L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=2.9km az=9.8.
CSEM Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.1km az=169.0.
PRU Event type ki.

(366) Turkey

ISC	**V**	**07 08 56 56.8–.78**	**39.09N–.02**	**27.56E–.02**	**0**		**64**	**0-2**
ISK	V	07 08 56 57.3	39.09N	27.56E	10	2.7		¶13839343
CSEM	V	07 08 56 57.7–.19	39.11N	27.55E	1	2.7		
ISCJB	V	07 08 56 57.6–.40	39.11N–.02	27.53E–.03	0	2.7		
DDA	V	07 08 56 58.2	39.11N	27.58E	7	2.5		

ISC Event type kh.
CSEM Event type ki. Error ellipse: s-maj=4.6km s-min=3.7km az=89.0.
ISCJB Event type kh. Error ellipse: s-maj=3.8km s-min=3.3km az=178.7.
DDA Event type kh.

(366) Turkey

ISC	**V**	**07 13 20 46.4–.84**	**37.83N–.02**	**27.59E–.03**	**0**		**37**	**0-2**
ISK	V	07 13 20 46.8	37.86N	27.57E	16	2.8		¶15054478
DDA	V	07 13 20 46.9	37.83N	27.54E	11	2.7		
CSEM	V	07 13 20 46.9–.26	37.84N	27.60E	1	2.7		
ISCJB	V	07 13 20 46.6–.49	37.85N–.03	27.57E–.04	0	2.7		

ISC Event type kh.
DDA Event type kh.
CSEM Event type ki.
ISCJB Event type kh.

(366) Turkey

ISC	**V**	**07 13 30 42.1–.78**	**37.84N–.02**	**27.55E–.02**	**0**		**72**	**0-3**
ISK	V	07 13 30 41.1	37.87N	27.51E	5	3.1		¶13839358
DDA	V	07 13 30 41.8	37.85N	27.53E	7	2.5		
ISCJB	V	07 13 30 41.9–.34	37.86N–.02	27.54E–.03	0	2.5		
CSEM	V	07 13 30 42.3–.14	37.83N	27.52E	2	2.5		

ISC Event type kh.
DDA Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.7km s-min=3.0km az=160.6.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=2.7km az=68.0.

(543) Germany

ISC	**V**	**07 21 24 18.3–.75**	**51.47N–.02**	**6.57E–.02**	**0**		**92**	**0-5**
ISCJB	V	07 21 24 17.7–.40	51.44N–.02	6.51E–.05	0			¶12824816
BNS	V	07 21 24 18.7–.42	51.54N	6.58E	1	2.0L		
BUG	V	07 21 24 18.3	51.42N	6.55E	1	1.8L		
CSEM	V	07 21 24 18.8–.22	51.47N	6.55E	2	2.6L		
BGR	V	07 21 24 19.8–.36	51.48N	6.60E	1	2.4L		
LDG	V	07 21 24 19.4–.09	51.48N	6.58E	1	2.6L		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=5.2km s-min=2.4km az=31.1.
BNS Event type ki.
BUG Event type ki.
CSEM Event type ki. Error ellipse: s-maj=5.4km s-min=3.1km az=122.0.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=122.0.

LDG Event type sr. Error ellipse: s-maj=2.1km s-min=1.2km az=125.0. Suspected Mining induced.

(540) The Netherlands

ISC	**V**	**08 05 23 09.4–1.0**	**53.37N–.04**	**6.50E–.04**	**0**		**91**	**1-9**
ISCJB	V	08 05 23 07.5–.54	53.40N–.03	6.26E–.06	0			**¶12824820**
CSEM	V	08 05 23 09.5–.32	53.40N	6.41E	1	3.2L		
LDG	V	08 05 23 11.9–.31	53.38N	6.60E	4	3.0L		
BGR	V	08 05 23 12.6–.49	53.35N	6.77E	1	2.8L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.4km s-min=3.7km az=39.8.
CSEM Event type ki. Error ellipse: s-maj=7.7km s-min=5.0km az=139.0.
LDG Event type ke. Error ellipse: s-maj=6.7km s-min=4.9km az=78.0.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=112.0.

(548) Poland

ISC	**V**	**08 06 55 50.9–.73**	**51.59N–.03**	**16.14E–.02**	**0**		**123**	**1-60**
IPEC	V	08 06 55 50.9–.28	51.61N	16.21E	0	2.7L		**¶12793663**
CSEM	V	08 06 55 51.9–.18	51.53N	16.11E	2	3.6L		
ISCJB	V	08 06 55 51.2–.54	51.46N–.03	16.07E–.03	0	3.0b		
IDC	V	08 06 55 52.9–.89	51.53N	16.16E	0	3.5,3.4		
PRU	V	08 06 55 52.8	51.52N	16.12E	0	3.5,3.4		
WAR	V	08 06 55 53.0	51.53N	16.08E		3.5,3.4		
BGR	V	08 06 55 53.2–.45	51.50N	16.11E	1	3.0L,3.4		
VIE	V	08 06 55 56.4–.35	51.18N	16.28E	0	3.0L,2.5b		

ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.6km az=38.0.
CSEM Event type ki. Error ellipse: s-maj=3.3km s-min=2.3km az=19.0.
ISCJB Event type sr. Error ellipse: s-maj=4.1km s-min=2.3km az=18.1.
IDC Error ellipse: s-maj=19.0km s-min=8.4km az=102.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=18.0.
VIE Event type sr. Error ellipse: s-maj=2.5km s-min=2.1km az=100.0. 52 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**08 08 45 48.6–.90**	**59.37N–.02**	**27.08E–.04**	**0**		**70**	**1-10**
ISCJB	V	08 08 45 47.9–.89	59.39N–.04	27.1E–.10	0			**¶13439408**
BER	V	08 08 45 49.5–3.1	59.34N	27.12E	0	2.2L		
IDC	V	08 08 45 49.7–2.1	59.33N	26.95E	0	3.1,3.1		
CSEM	V	08 08 45 49.2–.35	59.36N	27.08E	2	2.0L,3.1		
HEL	V	08 08 45 49.6–.20	59.30N	27.10E	0	1.9L,3.1		
NAO	V	08 08 45 49.2–1.1	59.31N	26.97E		2.2L,3.1		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=9.2km s-min=4.8km az=16.0.
BER Event type sh. Error ellipse: s-maj=6.4km s-min=19.2km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=19.8km s-min=10.7km az=130.0.
CSEM Event type km. Error ellipse: s-maj=8.5km s-min=4.5km az=100.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.

(366) Turkey

ISC	**V**	**08 09 06 03.2–.79**	**37.35N–.03**	**28.25E–.02**	**0**		**46**	**0-2**
ISK	V	08 09 06 02.4	37.33N	28.27E	12	2.8		**¶13839387**
ISCJB	V	08 09 06 02.8–.44	37.31N–.03	28.29E–.04	0	2.8		
CSEM	V	08 09 06 03.0–.28	37.31N	28.27E	1	2.8		
DDA	V	08 09 06 04.0	37.24N	28.14E	7	2.8		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=5.5km s-min=3.8km az=35.9.
CSEM Event type ki. Error ellipse: s-maj=7.3km s-min=5.9km az=28.0.
DDA Event type kh.

(383) Northwestern Balkan Peninsula

CSEM	**V**	**08 09 23 10.1**	**45.97N**	**15.46E**	**0**	**0.3L**		**¶16374637**

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After LJU.

(548) Poland

ISC	**V**	**08 09 29 16.4–.66**	**51.55N–.03**	**16.17E–.02**	**0**		**118**	**1-60**
ISCJB	V	08 09 29 15.9–.49	51.45N–.03	16.15E–.03	0	3.3b		**¶12793664**
IPEC	V	08 09 29 16.0–.29	51.57N	16.24E	0	2.7L		
CSEM	V	08 09 29 17.3–.27	51.48N	16.15E	2	3.5L		
PRU	V	08 09 29 17.9	51.48N	16.16E	0	3.5L		
IDC	V	08 09 29 17.9–.81	51.51N	15.95E	0	3.4,3.3		
WAR	V	08 09 29 17.1	51.54N	16.09E		3.4,3.3		
BGR	V	08 09 29 18.0–.50	51.52N	16.17E	1	3.0L,3.3		
VIE	V	08 09 29 21.2–.63	51.16N	16.21E	0	2.9L,2.5b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.0km s-min=2.3km az=13.2.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=35.0.
CSEM Event type ki. Error ellipse: s-maj=5.1km s-min=2.7km az=16.0.
PRU Event type ki.
IDC Error ellipse: s-maj=14.8km s-min=7.4km az=113.0.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=2.2km az=18.0.
VIE Event type sr. Error ellipse: s-maj=4.4km s-min=3.8km az=102.0. 56 km W of Wroclaw . Suspected Mining induced.

(543) Germany

ISC	**V**	**08 22 28 32.0–.69**	**49.16N–.01**	**8.16E–.01**	**0**		**187**	**0-4**
ISCJB	V	08 22 28 30.6–.22	49.14N–.01	8.09E–.02	0			**¶12788515**
STR	V	08 22 28 31.9–.15	49.15N	8.13E	10	2.0L		
CSEM	V	08 22 28 31.3–.13	49.14N	8.13E	1	2.4L		
LDG	V	08 22 28 32.6–.05	49.16N	8.12E	10	2.5,2.3L		
BGR	V	08 22 28 32.5–.35	49.16N	8.16E	3	1.9L,2.3L		
BNS	V	08 22 28 33.9–.46	49.16N	8.18E	10	1.5L,2.3L		
PRU	V	08 22 28 35.4	49.16N	8.34E	13	1.5L,2.3L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=1.9km s-min=1.6km az=178.7.
STR Event type ke.
CSEM Event type ki. Error ellipse: s-maj=2.7km s-min=2.3km az=117.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=93.0.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=3.3km az=12.0. correlated with geothermal plant in Insheim.
BNS Event type ke.

(543) Germany

ISC	**V**	**09 08 28 09.7–.89**	**51.49N–.03**	**6.56E–.03**	**0**		**45**	**0-2**
BNS	V	09 08 28 09.0–1.0	51.55N	6.54E	1	1.8L		**¶13917774**
CSEM	V	09 08 28 09.5–.40	51.49N	6.54E	1	1.8L		
ISCJB	V	09 08 28 09.1–.61	51.51N–.03	6.55E–.07	0	1.8L		
BGR	V	09 08 28 10.5–.36	51.51N	6.57E	1	2.0L		

ISC Event type ki.
BNS Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9.3km s-min=5.5km az=119.0.
ISCJB Event type ki. Error ellipse: s-maj=6.6km s-min=3.4km az=30.3.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=121.0.

(366) Turkey

ISC	**V**	**10 06 50 44.4–.80**	**39.14N–.02**	**27.56E–.03**	**0**		**55**	**0-2**
ISK	V	10 06 50 44.5	39.12N	27.56E	10	2.8		**¶13839472**
DDA	V	10 06 50 44.8	39.09N	27.55E	7	2.6		
CSEM	V	10 06 50 44.7–.18	39.13N	27.57E	1	2.6		
ISCJB	V	10 06 50 44.6–.38	39.12N–.02	27.55E–.04	0	2.6		

ISC Event type kh.
DDA Event type kh.
CSEM Event type ki.
ISCJB Event type kh.

(366) Turkey

ISC	**V**	**11 08 10 55.7–.98**	**37.24N–.03**	**28.16E–.03**	**0**		**37**	**0-2**
DDA	V	11 08 10 54.9	37.22N	28.08E	8	2.8		**¶13839526**
ISK	V	11 08 10 54.6	37.25N	28.15E	7	2.8		
CSEM	V	11 08 10 55.2–.20	37.23N	28.16E	1	2.8		
ISCJB	V	11 08 10 55.1–.52	37.21N–.03	28.12E–.04	0	2.8		

ISC Event type kh.
DDA Event type kh.
CSEM Event type ki.
ISCJB Event type kh.

(548) Poland

ISC	**V**	**11 15 31 01.6–.73**	**51.54N–.03**	**16.17E–.02**	**0**		**126**	**1-40**
ISCJB	V	11 15 31 02.6–.51	51.37N–.03	16.11E–.03	0	2.9b		**¶12824853**
CSEM	V	11 15 31 02.5–.18	51.48N	16.16E	2	3.6L		
IPEC	V	11 15 31 02.4–.39	51.53N	16.22E	2–1	2.6L		
PRU	V	11 15 31 03.7	51.45N	16.16E	0	2.6L		
IDC	V	11 15 31 03.8–.89	51.48N	16.02E	0	3.4,3.2		
BGR	V	11 15 31 03.8–.57	51.49N	16.15E	1	3.0L,3.2		
WAR	V	11 15 31 03.4	51.52N	16.12E		3.0L,3.2		
VIE	V	11 15 31 05.2–.34	51.26N	16.10E	0	2.9L,2.6b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.0km s-min=2.4km az=17.5.
CSEM Event type ki. Error ellipse: s-maj=3.2km s-min=2.4km az=22.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.0km az=22.0.
PRU Event type ki.
IDC Error ellipse: s-maj=15.6km s-min=7.5km az=115.0.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=3.3km az=11.0.
VIE Event type sr. Error ellipse: s-maj=2.2km s-min=1.9km az=6.0. 66 km WNW of Wroclaw . Suspected Mining induced.

(366) Turkey

ISC	**V**	**12 08 45 03.6–1.1**	**37.26N–.03**	**28.26E–.04**	**0**		**22**	**0-1**
ISK	V	12 08 45 02.5	37.27N	28.20E	5	2.6		**¶13839572**
DDA	V	12 08 45 03.0	37.24N	28.23E	7	2.6		
CSEM	V	12 08 45 03.7–.16	37.25N	28.23E	1	2.6		
ISCJB	V	12 08 45 03.5–.66	37.26N–.04	28.24E–.05	0	2.6		

ISC Event type kh.
DDA Event type kh.
CSEM Event type ki.
ISCJB Event type kh.

(366) Turkey

ISC	**V**	**12 13 46 02.8–.92**	**39.14N–.02**	**27.55E–.03**	**0**		**38**	**0-1**
CSEM	V	12 13 46 02.8–.39	39.13N	27.52E	1	2.7		**¶13839590**
DDA	V	12 13 46 02.9	39.13N	27.55E	7	2.7		
ISCJB	V	12 13 46 02.7–.45	39.11N–.02	27.53E–.04	0	2.7		
ISK	V	12 13 46 03.0	39.05N	27.59E	25	2.7		

ISC Event type kh.
CSEM Event type ki. Error ellipse: s-maj=9.5km s-min=6.3km az=95.0.
DDA Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.0km s-min=3.3km az=166.7.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**13 07 34 12.3–.78**	**59.71N–.04**	**22.36E–.03**	**0**		**56**	**1-10**
CSEM	V	13 07 34 12.7–.16	59.71N	22.46E	2	2.1L		**¶13678866**
ISCJB	V	13 07 34 12.2–.42	59.68N–.04	22.34E–.05	0	2.1L		
HEL	V	13 07 34 13.5–.10	59.67N	22.32E	0	2.1L,2.1L		
IDC	V	13 07 34 14.3–1.9	59.65N	22.37E	0	2.9,2.9		
UPP	V	13 07 34 16.4	59.72N	21.88E	0	2.1L,2.9		

ISC Event type km.
CSEM Event type km. Error ellipse: s-maj=4.4km s-min=3.2km az=171.0. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=5.2km s-min=3.6km az=173.6.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=24.7km s-min=7.6km az=163.0.
UPP Event type sm. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**13 07 38 39.6–.83**	**59.67N–.03**	**22.27E–.03**	**0**		**55**	**1-10**
ISCJB	V	13 07 38 39.3–.45	59.67N–.04	22.31E–.06	0			**¶13678867**
HEL	V	13 07 38 40.6–.10	59.68N	22.31E	0	2.3L,2.1L		
CSEM	V	13 07 38 40.0–.24	59.68N	22.43E	2	2.1L,2.1L		
IDC	V	13 07 38 41.7–2.2	59.73N	22.25E	0	3.0,2.9		
UPP	V	13 07 38 42.1	59.69N	22.06E	0	2.1L,2.9		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.3km s-min=4.1km az=9.7.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=6.1km s-min=4.9km az=7.0. Mining explosion.
IDC Error ellipse: s-maj=32.4km s-min=7.9km az=164.0.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC	**V**	**13 08 11 28.8–.80**	**50.19N–.05**	**19.08E–.02**	**0**		**36**	**0-4**
CSEM	V	13 08 11 27.8–.33	50.29N	19.04E	2	2.8L		**¶12824883**
IPEC	V	13 08 11 27.9–.21	50.29N	19.09E	0–1	2.2L		
ISCJB	V	13 08 11 27.8–.53	50.20N–.04	19.05E–.03	0	2.2L		
PRU	V	13 08 11 28.6	50.25N	19.03E	0	2.2L		
WAR	V	13 08 11 28.6	50.20N	19.14E		2.2L		

ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=8.9km s-min=3.7km az=7.0.
IPEC Event type ki. Error ellipse: s-maj=3.0km s-min=1.2km az=174.0.
ISCJB Event type ki. Error ellipse: s-maj=6.0km s-min=2.8km az=11.4.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**13 16 19 28.8–1.1**	**57.86N–.06**	**22.36E–.03**	**0**		**58**	**1-12**
UPP	V	13 16 19 26.8	57.68N	22.74E	0	2.4L		**¶13439556**
ISCJB	V	13 16 19 26.9–.85	57.76N–.06	22.68E–.06	0	2.4L		
IDC	V	13 16 19 28.7–2.5	57.82N	22.34E	0	3.1,3.0		
BER	V	13 16 19 28.9–4.7	57.71N	22.33E	0	2.2L,3.0		
CSEM	V	13 16 19 29.4–.51	57.85N	22.45E	2	2.2L,3.0		
HEL	V	13 16 19 29.4–.30	57.86N	22.56E	0	2.4L,2.2L		
NAO	V	13 16 19 29.2–2.5	57.86N	22.29E		2.2L,2.2L		

ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=8.6km s-min=4.2km az=164.8.
IDC Error ellipse: s-maj=26.4km s-min=9.7km az=159.0.
BER Event type sh. Error ellipse: s-maj=30.7km s-min=24.0km az=-1.0. Suspected explosion.
CSEM Event type km. Error ellipse: s-maj=13.1km s-min=7.4km az=159.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=1.4km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.

(548) Poland

ISC	**V**	**14 03 48 50.9–1.2**	**51.43N–.05**	**16.10E–.03**	**0**		**47**	**1-3**
ISCJB	V	14 03 48 49.9–.85	51.41N–.04	16.08E–.04	0			**¶12834812**
WAR	V	14 03 48 50.4	51.53N	16.08E				
CSEM	V	14 03 48 50.5–.34	51.46N	16.09E	2	3.0L		
PRU	V	14 03 48 52.1	51.40N	16.09E	0	3.0L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.3km s-min=3.5km az=14.9.
CSEM Event type ki. Error ellipse: s-maj=6.2km s-min=5.2km az=2.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

HEL	**V**	**14 09 16 23.9–.20**	**59.29N**	**27.16E**	**0**	**2.2L**		**¶14610665**

HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0. Explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**15 03 42 15.8–.87**	**57.80N–.04**	**22.32E–.03**	**0**		**65**	**0-21**
UPP	V	15 03 42 13.6	57.59N	22.83E	0	2.1L		**¶13439598**
CSEM	V	15 03 42 16.9–.31	57.79N	22.37E	2	2.3L		
ISCJB	V	15 03 42 16.1–.58	57.85N–.04	22.30E–.07	0	2.3L		
HEL	V	15 03 42 17.0–.30	57.79N	22.39E	0	2.1L,1.8L		
NAO	V	15 03 42 17.6–2.1	57.97N	22.28E		2.0L,1.8L		
BER	V	15 03 42 19.1–4.9	57.93N	22.28E	0–31	2.0L,1.8L		

ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
CSEM Event type km. Error ellipse: s-maj=9.0km s-min=4.8km az=157.0. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=6.4km s-min=4.9km az=141.1.
HEL Event type kh. Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=34.5km s-min=18.9km az=-1.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**15 06 12 49.4–.83**	**57.84N–.03**	**22.30E–.03**	**0**		**63**	**0-12**
UPP	V	15 06 12 34.7	57.27N	24.51E	0	2.1L		**¶13439601**
ISCJB	V	15 06 12 49.9–.54	57.89N–.04	22.28E–.06	0	2.1L		
HEL	V	15 06 12 50.6–.30	57.81N	22.43E	0	2.1L		
CSEM	V	15 06 12 50.6–.24	57.80N	22.30E	2	2.1L		
NAO	V	15 06 12 51.9–1.9	57.96N	22.30E		2.1L		
BER	V	15 06 12 52.7–4.7	57.82N	22.35E	0–22	2.1L		

ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=5.7km s-min=4.0km az=155.9.

HEL Event type kh. Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=6.5km s-min=4.0km az=152.0. Mining explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=25.5km s-min=18.4km az=-1.0.

(548) Poland

ISC	**V**	**15 09 00 27.5–.83**	**50.19N–.05**	**19.00E–.02**	**0**		**44**	**1-4**
ISCJB	V	15 09 00 26.7–.55	50.25N–.04	18.94E–.03	0			**¶12834826**
WAR	V	15 09 00 27.7	50.21N	19.08E				
CSEM	V	15 09 00 27.8–.36	50.25N	18.96E	2	2.7L		
PRU	V	15 09 00 29.0	50.21N	18.97E	0	2.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.3km s-min=2.5km az=12.7.
CSEM Event type ki. Error ellipse: s-maj=10.3km s-min=3.9km az=7.0.
PRU Event type ki.

(366) Turkey

ISC	**V**	**15 09 09 03.2–1.3**	**37.35N–.04**	**28.00E–.04**	**0**		**10**	**0-1**
ISCJB	V	15 09 09 02.8–.66	37.34N–.03	27.99E–.05	0			**¶15136624**
DDA	V	15 09 09 03.1	37.38N	27.95E	7	2.8		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=6.0km s-min=4.5km az=151.2.
DDA Event type kh.

(548) Poland

ISC	**V**	**15 09 30 28.9–.81**	**50.12N–.04**	**19.06E–.02**	**0**		**42**	**0-4**
ISCJB	V	15 09 30 27.4–.56	50.18N–.04	19.00E–.03	0			**¶12834827**
CSEM	V	15 09 30 28.2–.26	50.19N	19.01E	2	2.9L		
IPEC	V	15 09 30 28.7–.19	50.20N	19.04E	0–1	2.3L		
WAR	V	15 09 30 29.1	50.11N	19.11E		2.3L		
PRU	V	15 09 30 29.1	50.19N	19.01E	0	2.3L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.5km s-min=2.7km az=7.5.
CSEM Event type ki. Error ellipse: s-maj=7.4km s-min=2.7km az=4.0.
IPEC Event type ki. Error ellipse: s-maj=2.7km s-min=1.1km az=167.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**15 11 29 10.2–.89**	**57.88N–.04**	**22.28E–.03**	**0**		**74**	**0-12**
HEL	V	15 11 29 10.9–.10	57.84N	22.35E	0	2.1L,2.1L		**¶13439609**
ISCJB	V	15 11 29 10.1–.57	57.89N–.05	22.29E–.06	0	2.1L,2.1L		
UPP	V	15 11 29 10.7	57.85N	22.40E	0	2.1L,2.1L		
IDC	V	15 11 29 11.8–2.3	57.93N	22.24E	0	3.0,3.0		
CSEM	V	15 11 29 11.0–.16	57.81N	22.30E	2	2.1L,3.0		
NAO	V	15 11 29 12.3–1.9	57.99N	22.30E		2.0L,3.0		
BER	V	15 11 29 13.6–3.7	57.87N	22.25E	0	2.0L,3.0		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0. Explosion.
ISCJB Event type km. Error ellipse: s-maj=6.8km s-min=4.2km az=161.3.
UPP Event type sm. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.9km s-min=9.3km az=161.0.
CSEM Event type km. Error ellipse: s-maj=4.5km s-min=2.9km az=161.0. Mining explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=18.2km s-min=14.0km az=-1.0. Suspected explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**15 11 52 18.9–.89**	**57.86N–.04**	**22.31E–.03**	**0**		**65**	**0-12**
UPP	V	15 11 52 17.7	57.78N	22.60E	0	2.1L		**¶13439610**
ISCJB	V	15 11 52 18.9–.52	57.90N–.04	22.27E–.06	0	2.1L		
BER	V	15 11 52 19.9–4.6	57.77N	22.39E	0	2.2L		
HEL	V	15 11 52 19.4–.20	57.82N	22.38E	0	2.2L,2.1L		
CSEM	V	15 11 52 20.0–.15	57.84N	22.27E	2	2.2L,2.1L		
NAO	V	15 11 52 20.7–2.6	57.95N	22.31E		2.2L,2.1L		
IDC	V	15 11 52 20.2–2.3	57.87N	22.27E	0	3.2,3.2		

ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=6.0km s-min=4.0km az=153.6.
BER Event type sh. Error ellipse: s-maj=32.8km s-min=28.4km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=3.8km s-min=2.7km az=151.0. Mining explosion.
IDC Error ellipse: s-maj=25.1km s-min=9.4km az=160.0.

(366) Turkey

ISC	**V**	**15 11 52 37.5–.82**	**39.72N–.02**	**29.51E–.02**	**0**		**55**	**0-2**
ISCJB	V	15 11 52 37.8–.46	39.76N–.03	29.55E–.04	0			**¶13839716**
ISK	V	15 11 52 37.9	39.70N	29.52E	21	2.7		
CSEM	V	15 11 52 37.4–.34	39.70N	29.55E	1	2.7		
DDA	V	15 11 52 38.8	39.72N	29.47E	7	3.0		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.1km s-min=3.9km az=172.3.
CSEM Event type ki. Error ellipse: s-maj=7.4km s-min=6.8km az=106.0.
DDA Event type kh.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**15 14 55 46.0–2.5**	**67.59N–.05**	**33.8E–.10**	**0**		**27**	**0-7**
HEL	V	15 14 55 44.5–1.4	67.49N	34.35E	0	2.0L		**¶14610727**
NAO	V	15 14 55 45.2–1.8	67.52N	33.96E		2.5L		
CSEM	V	15 14 55 48.3–.38	67.60N	33.54E	1	2.5L		

ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=6.9km s-min=16.5km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=6.2km s-min=5.6km az=138.0. Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**16 06 52 28.6–.88**	**57.84N–.04**	**22.26E–.03**	**0**		**106**	**0-12**
UPP	V	16 06 52 26.0	57.72N	22.75E	0	2.1L		**¶13439626**
ISCJB	V	16 06 52 28.1–.53	57.88N–.04	22.36E–.06	0	2.1L		
IDC	V	16 06 52 28.4–2.9	57.80N	22.32E	0	3.1,3.0		
CSEM	V	16 06 52 28.9–.20	57.83N	22.36E	2	2.6L,3.0		
HEL	V	16 06 52 29.0–.30	57.82N	22.32E	0	2.1L,2.0L		
NAO	V	16 06 52 30.0–2.0	57.94N	22.31E		2.1L,2.0L		
BER	V	16 06 52 31.0–4.3	57.86N	22.25E	0–21	2.1L,2.0L		

ISC Event type km.
UPP Event type km. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=6.0km s-min=3.5km az=146.5.
IDC Error ellipse: s-maj=31.2km s-min=13.2km az=159.0.
CSEM Event type km. Error ellipse: s-maj=5.3km s-min=2.8km az=148.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=23.4km s-min=18.0km az=-1.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**16 08 05 47.1–.91**	**57.81N–.04**	**22.20E–.03**	**0**		**106**	**0-12**
UPP	V	16 08 05 44.5	57.70N	22.69E	0	2.0L		**¶13439627**
HEL	V	16 08 05 47.8–.30	57.81N	22.12E	0	2.2L,2.0L		
ISCJB	V	16 08 05 48.5–.59	58.02N–.04	22.11E–.05	0	2.2L,2.0L		
CSEM	V	16 08 05 48.0–.21	57.81N	22.19E	2	2.8L,2.0L		
IDC	V	16 08 05 49.0–2.3	57.91N	22.21E	0	3.1,3.1		
NAO	V	16 08 05 48.9–2.0	57.90N	22.19E		2.2L,3.1		
BER	V	16 08 05 50.2–4.6	57.83N	22.19E	0	2.2L,3.1		

ISC Event type km.
UPP Event type km. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0. Explosion.
ISCJB Event type km. Error ellipse: s-maj=6.2km s-min=3.3km az=157.3.
CSEM Event type km. Error ellipse: s-maj=5.8km s-min=3.0km az=152.0. Mining explosion.
IDC Error ellipse: s-maj=25.1km s-min=9.3km az=165.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=24.2km s-min=17.6km az=-1.0. Suspected explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**16 15 28 28.9–1.2**	**57.71N–.06**	**21.84E–.03**	**0**		**87**	**1-12**
ISCJB	V	16 15 28 29.0–.58	57.87N–.05	21.80E–.06	0			**¶13679067**
HEL	V	16 15 28 29.5–.10	57.72N	21.83E	0	2.3L,1.9L		
CSEM	V	16 15 28 29.9–.28	57.77N	21.83E	2	1.9L,1.9L		
IDC	V	16 15 28 30.1–3.3	57.75N	21.86E	0	3.0,2.9		
UPP	V	16 15 28 31.7	57.83N	21.56E	0	2.3L,2.9		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.1km s-min=3.3km az=154.0.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=8.0km s-min=3.1km az=155.0. Mining explosion.
IDC Error ellipse: s-maj=34.5km s-min=12.9km az=160.0.
UPP Event type km. Mining explosion.

(548) Poland

ISC	**V**	**16 15 37 37.0–.55**	**51.50N–.02**	**16.08E–.02**	**0**	**3.5b**	**151**	**1-75**
ISCJB	V	16 15 37 35.9–.32	51.43N–.02	16.07E–.02	0	3.5b		**¶12834842**
IPEC	V	16 15 37 35.4–.22	51.59N	16.23E	0	3.3L		
WAR	V	16 15 37 36.8	51.55N	16.10E		3.3L		
CSEM	V	16 15 37 36.8–.21	51.48N	16.11E	2	3.9L		
PRU	V	16 15 37 37.9	51.46N	16.14E	0	3.9L		
IDC	V	16 15 37 37.5–.56	51.47N	16.00E	0	3.7,3.6		
BGR	V	16 15 37 37.8–.39	51.49N	16.10E	1	3.5L,3.6		
VIE	V	16 15 37 39.0–.52	51.29N	16.08E	0	3.4L,2.9b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.8km s-min=2.2km az=2.6.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=1.5km az=152.0.
CSEM Event type ki. Error ellipse: s-maj=4.2km s-min=2.2km az=11.0.
PRU Event type ki. Felt In Harrachov.
IDC Error ellipse: s-maj=10.6km s-min=6.6km az=109.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=12.0.
VIE Event type sr. Error ellipse: s-maj=3.5km s-min=2.4km az=0.0. 68 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC	**V**	**16 16 22 23.1–1.2**	**51.49N–.06**	**16.08E–.03**	**0**		**46**	**1-3**
ISCJB	V	16 16 22 21.7–.89	51.46N–.05	16.08E–.04	0			**¶12834843**
WAR	V	16 16 22 23.4	51.51N	16.12E				
CSEM	V	16 16 22 23.3–.47	51.46N	16.09E	2	2.7L		
PRU	V	16 16 22 24.4	51.43N	16.09E	0	2.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.9km s-min=3.3km az=11.1.
CSEM Event type ki. Error ellipse: s-maj=8.2km s-min=3.9km az=4.0.
PRU Event type ki.

(366) Turkey

ISC	**V**	**16 17 03 16.5–1.0**	**39.14N–.02**	**29.03E–.02**	**0**		**64**	**0-2**
ISCJB	V	16 17 03 16.1–.35	39.13N–.03	29.02E–.03	0			**¶13839773**
ISK	V	16 17 03 16.1	39.13N	29.04E	5	2.9		
DDA	V	16 17 03 16.7	39.15N	29.04E	15	2.5		
CSEM	V	16 17 03 16.4–.12	39.14N	29.03E	1	2.5		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.8km s-min=2.7km az=156.8.
DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=2.8km s-min=2.1km az=155.0.

(460) Wyoming

ISC	**V**	**16 20 56 21.2–.69**	**43.65N–.03**	**105.31W–.03**	**0**		**81**	**0-62**
IDC	V	16 20 56 17.1–2.9	43.03N	105.09W	0	3.8,3.7L		**¶13679080**
ISCJB	V	16 20 56 20.6–.28	43.69N–.02	105.30W–.03	0	3.9b,3.7L		
NEIC	V	16 20 56 21.4–.34	43.73N	105.24W	0	2.9L,3.7L		

ISC Event type sm.
IDC Error ellipse: s-maj=62.6km s-min=9.8km az=160.0.
ISCJB Event type fm. Error ellipse: s-maj=3.3km s-min=2.7km az=165.3.
NEIC Event type fm. Error ellipse: s-maj=5.1km s-min=4.4km az=179.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(536) Sweden

HEL	**V**	**16 21 38 18.9–1.0**	**67.83N**	**20.58E**	**0**	**1.1L**		
CSEM	V	16 21 38 15.6–.58	67.55N	20.59E	2	0.9L		**¶14610782**
UPP	V	16 21 38 22.0	67.15N	20.70E	0	0.9L		

HEL Event type kh. Error ellipse: s-maj=3.9km s-min=11.3km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=16.3km s-min=7.6km az=102.0. Mining explosion.
UPP Event type km. Mining explosion.

(548) Poland

ISC	**V**	**16 22 57 52.0–.74**	**51.54N–.03**	**16.13E–.02**	**0**		**99**	**1-19**
ISCJB	V	16 22 57 50.6–.33	51.51N–.02	16.14E–.03	0			**¶12834847**
IPEC	V	16 22 57 51.6–.22	51.59N	16.23E	0	2.5L		
CSEM	V	16 22 57 52.6–.10	51.50N	16.11E	2	3.3L		
PRU	V	16 22 57 53.6	51.48N	16.12E	0	3.3L		
IDC	V	16 22 57 53.9–.84	51.49N	16.02E	0	3.2,3.1		
WAR	V	16 22 57 53.6	51.51N	16.12E		3.2,3.1		
VIE	V	16 22 57 55.3–.59	51.29N	16.04E	0	2.8L,2.3b		
UPP	V	16 22 58 19.8	53.49N	15.62E	0	1.9L,2.3b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.9km s-min=2.4km az=154.6.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=1.5km az=155.0.
CSEM Event type ki. Error ellipse: s-maj=2.5km s-min=1.8km az=86.0.
PRU Event type ki.
IDC Error ellipse: s-maj=15.1km s-min=7.3km az=97.0.
VIE Event type sr. Error ellipse: s-maj=4.0km s-min=3.5km az=25.0. 71 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.

(536) Sweden

ISC	**V**	**17 05 19 48.5–.61**	**67.16N–.02**	**20.72E–.02**	**0**		**158**	**0-33**
ISCJB	V	17 05 19 48.6–.27	67.16N–.02	20.75E–.05	0	3.2b		**¶13184011**
NAO	V	17 05 19 49.8–.80	67.13N	20.92E		3.3L		
CSEM	V	17 05 19 49.6–.11	67.18N	20.71E	2	2.9L		
UPP	V	17 05 19 49.3	67.19N	20.73E	0	2.9L		
IDC	V	17 05 19 49.9–.70	67.13N	21.00E	0	3.5,3.5		
HEL	V	17 05 19 50.1–.10	67.18N	20.70E	1	3.0L,2.9L		
BER	V	17 05 19 51.9	67.15N	20.65E	0	3.3L,3.0L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=3.0km s-min=2.5km az=17.4.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
CSEM Event type sm. Error ellipse: s-maj=2.8km s-min=2.5km az=95.0. Suspected Mining explosion.
UPP Event type sm. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.5km s-min=6.4km az=112.0.
HEL Event type sh. Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0. Suspected explosion.

(366) Turkey

ISC	**V**	**17 15 02 50.8–.97**	**37.19N–.04**	**28.19E–.03**	**0**		**26**	**0-1**
ISCJB	V	17 15 02 50.8–.55	37.20N–.04	28.20E–.04	0			**¶13839812**
ISK	V	17 15 02 50.2	37.15N	28.16E	7	2.5		
DDA	V	17 15 02 51.0	37.19N	28.25E	7	2.6		
CSEM	V	17 15 02 50.7–.25	37.20N	28.20E	1	2.5		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=6.9km s-min=3.6km az=28.1.
DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=8.0km s-min=4.2km az=25.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**17 22 16 03.6–.83**	**57.74N–.03**	**21.92E–.03**	**0**		**130**	**0-21**
UPP	V	17 22 16 03.3	57.71N	22.21E	0	2.2L		**¶13184019**
ISCJB	V	17 22 16 04.0–.41	57.84N–.03	21.85E–.04	0	2.2L		
HEL	V	17 22 16 05.1–.10	57.79N	21.91E	0	2.2L,2.2L		
CSEM	V	17 22 16 05.0–.15	57.77N	21.94E	2	2.9L,2.2L		
IDC	V	17 22 16 06.1–2.3	57.85N	21.97E	0	3.2,3.1		
NAO	V	17 22 16 07.0–2.0	57.92N	21.91E		2.0L,3.1		
BER	V	17 22 16 08.4–4.7	57.85N	21.87E	0–22	2.0L,3.1		

ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=5.2km s-min=3.1km az=161.1.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=4.4km s-min=2.5km az=156.0. Mining explosion.
IDC Error ellipse: s-maj=23.6km s-min=8.5km az=166.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=25.6km s-min=17.9km az=-1.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**18 01 06 27.4–.79**	**57.74N–.03**	**21.89E–.02**	**0**		**163**	**0-12**
ISCJB	V	18 01 06 27.1–.29	57.83N–.02	21.88E–.04	0			**¶13439675**
HEL	V	18 01 06 28.2–.10	57.77N	21.94E	0	2.2L,2.2L		
CSEM	V	18 01 06 28.2–.15	57.77N	21.95E	2	2.2L,2.2L		
IDC	V	18 01 06 28.7–.98	57.82N	22.05E	0	3.1,3.1		
NAO	V	18 01 06 29.3–1.9	57.89N	21.95E		2.0L,3.1		
UPP	V	18 01 06 29.5	57.77N	21.80E	0	2.2L,3.1		
BER	V	18 01 06 30.7–4.9	57.82N	21.87E	0–24	2.0L,3.1		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.5km s-min=2.8km az=179.4.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0. Explosion.

CSEM Event type km. Error ellipse: s-maj=4.0km s-min=2.4km az=149.0. Mining explosion.
IDC Error ellipse: s-maj=10.2km s-min=8.6km az=11.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
UPP Event type sm. Suspected Mining explosion.
BER Error ellipse: s-maj=27.2km s-min=19.0km az=-1.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**18 02 08 48.8–.67**	**57.77N–.03**	**21.90E–.02**	**0**		**147**	**0-21**
UPP	V	18 02 08 48.7	57.72N	22.23E	0	2.3L		**¶13439676**
ISCJB	V	18 02 08 49.3–.31	57.79N–.03	21.90E–.04	0	2.3L		
HEL	V	18 02 08 50.4–.10	57.75N	21.93E	0	2.3L,2.2L		
CSEM	V	18 02 08 50.3–.13	57.75N	21.97E	2	2.2L,2.2L		
NAO	V	18 02 08 51.8–1.9	57.93N	21.94E		2.2L,2.2L		
IDC	V	18 02 08 51.3–1.1	57.84N	22.04E	0	3.9b,3.4		
BER	V	18 02 08 53.3–5.0	57.88N	21.85E	0–24	2.2L,3.4		

ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=3.8km s-min=2.8km az=1.5.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=3.7km s-min=2.1km az=155.0. Mining explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=11.0km s-min=8.7km az=180.0.
BER Error ellipse: s-maj=27.3km s-min=19.0km az=-1.0.

(366) Turkey

ISC	**V**	**18 02 39 22.1–.84**	**37.20N–.03**	**28.09E–.02**	**0**		**41**	**0-2**
ISK	V	18 02 39 21.8	37.18N	28.10E	16	2.8		**¶13839840**
ISCJB	V	18 02 39 22.2–.50	37.15N–.04	28.09E–.03	0	2.8		
DDA	V	18 02 39 22.6	37.15N	28.09E	8	2.8		
CSEM	V	18 02 39 22.4–.38	37.19N	28.12E	1	2.8		

ISC Event type kh.
ISCJB Event type km. Error ellipse: s-maj=5.5km s-min=3.2km az=28.0.
DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=10.3km s-min=6.1km az=35.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**18 03 33 57.7–.76**	**57.78N–.03**	**21.93E–.03**	**0**		**105**	**0-21**
UPP	V	18 03 33 57.1	57.70N	22.25E	0	2.3L		**¶12840137**
ISCJB	V	18 03 33 58.0–.39	57.79N–.03	21.93E–.04	0	2.3L		
HEL	V	18 03 33 59.1–.10	57.76N	21.96E	0	2.3L,2.3L		
CSEM	V	18 03 33 59.0–.20	57.74N	21.95E	2	2.3L,2.3L		
IDC	V	18 03 33 59.6–.97	57.81N	22.05E	0	3.2,3.2		
NAO	V	18 03 34 00.1–2.0	57.90N	21.95E		2.2L,3.2		
BER	V	18 03 34 02.2–5.0	57.86N	21.89E	0–24	2.2L,3.2		

ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=4.8km s-min=3.2km az=173.1.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=5.5km s-min=3.1km az=155.0. Mining explosion.
IDC Error ellipse: s-maj=10.2km s-min=8.6km az=12.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=27.3km s-min=19.1km az=-1.0.

(548) Poland

ISC	**V**	**18 08 22 41.8–1.2**	**51.51N–.06**	**16.13E–.03**	**0**		**36**	**1-3**
ISCJB	V	18 08 22 39.6–.95	51.52N–.05	16.11E–.04	0			**¶12848898**
CSEM	V	18 08 22 41.1–.57	51.52N	16.10E	2	3.0L		
WAR	V	18 08 22 42.1	51.53N	16.10E		3.0L		
PRU	V	18 08 22 42.4	51.50N	16.11E	0	3.0L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.7km s-min=3.4km az=14.1.
CSEM Event type ki. Error ellipse: s-maj=9.5km s-min=5.1km az=5.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

HEL	**V**	**18 09 51 19.3–.50**	**59.22N**	**27.83E**	**0**	**1.2L**		
								¶14610838

HEL Event type kh. Error ellipse: s-maj=2.0km s-min=5.2km az=-1.0. Explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**18 09 52 43.0–.69**	**57.75N–.03**	**21.86E–.02**	**0**		**135**	**0-21**
ISCJB	V	18 09 52 43.7–.36	57.80N–.03	21.92E–.04	0			**¶13439685**
CSEM	V	18 09 52 44.9–.17	57.75N	21.96E	2	2.8L		
HEL	V	18 09 52 44.9–.10	57.76N	21.96E	0	2.3L,2.2L		
UPP	V	18 09 52 45.0	57.75N	22.00E	0	2.2L,2.2L		
NAO	V	18 09 52 46.5–2.0	57.88N	21.93E		2.2L,2.2L		
BER	V	18 09 52 48.3–5.2	57.85N	21.86E	0	2.2L,2.2L		
IDC	V	18 09 52 48.2–2.5	58.00N	21.85E	0	3.3,3.2		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.3km s-min=3.0km az=164.4.
CSEM Event type km. Error ellipse: s-maj=4.8km s-min=2.7km az=153.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0. Explosion.
UPP Event type sm. Suspected Mining explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=25.3km s-min=18.9km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=28.5km s-min=10.0km az=165.0.

(548) Poland

ISC	**V**	**18 09 56 04.0–1.7**	**51.14N–.08**	**18.99E–.05**	**0**		**36**	**1-4**
CSEM	V	18 09 56 01.9–.76	51.24N	18.96E	2	2.8L		**¶12848900**
IPEC	V	18 09 56 02.8–.28	51.24N	19.14E	0	2.1L		
PRU	V	18 09 56 05.1	51.11N	18.91E	0	2.1L		

ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=12.1km s-min=5.4km az=15.0.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.3km az=19.0.
PRU Belchatow.

(536) Sweden

ISC	**V**	**18 10 11 08.4–1.3**	**59.77N–.07**	**14.33E–.05**	**0**		**18**	**0-6**
NAO	V	18 10 11 07.6–2.0	59.69N	14.27E		2.0L		**¶16555924**
ISCJB	V	18 10 11 08.8–1.0	59.76N–.07	14.3E–.10	0	2.0L		
BER	V	18 10 11 09.7–1.8	59.73N	14.21E	0–12	2.0L		
CSEM	V	18 10 11 09.2–.32	59.74N	14.24E	2	1.1L		
UPP	V	18 10 11 10.5	59.74N	14.43E	0	1.1L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=11.5km s-min=7.7km az=28.7.
BER Error ellipse: s-maj=7.3km s-min=7.1km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=8.3km s-min=4.3km az=31.0. Mining explosion.
UPP Event type km. Mining explosion.

(543) Germany

ISC	**V**	**18 10 35 48.8–.76**	**51.48N–.02**	**6.58E–.02**	**0**		**85**	**0-6**
ISCJB	V	18 10 35 48.1–.44	51.50N–.02	6.46E–.04	0			**¶12842983**
BUG	V	18 10 35 48.7	51.44N	6.57E	1	2.1L		
BNS	V	18 10 35 49.9–.86	51.50N	6.58E	1	2.1L		
CSEM	V	18 10 35 49.2–.23	51.49N	6.51E	1	2.8L		
LDG	V	18 10 35 50.4–.46	51.50N	6.59E	1	2.7L		
BGR	V	18 10 35 50.6–.30	51.48N	6.58E	1	2.1L		

ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.2km s-min=2.5km az=40.7.
BUG Event type ki.
BNS Event type ki.
CSEM Event type ki. Error ellipse: s-maj=4.9km s-min=3.8km az=118.0.
LDG Event type sr. Error ellipse: s-maj=8.8km s-min=5.6km az=35.0. Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=3.3km az=118.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**18 11 19 55.3–.72**	**57.77N–.03**	**21.87E–.02**	**0**		**135**	**0-21**
ISCJB	V	18 11 19 55.8–.37	57.82N–.03	21.91E–.04	0			**¶13439689**
HEL	V	18 11 19 56.9–.10	57.75N	21.95E	0	2.3L,2.2L		
CSEM	V	18 11 19 57.2–.18	57.78N	21.94E	2	3.0L,2.2L		
UPP	V	18 11 19 57.2	57.75N	21.97E	0	2.2L,2.2L		
NAO	V	18 11 19 58.8–2.0	57.93N	21.91E		2.1L,2.2L		
IDC	V	18 11 19 58.5–2.3	57.86N	21.95E	0	3.2,3.1		
BER	V	18 11 19 59.8–4.0	57.84N	21.89E	0	2.1L,3.1		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.4km s-min=3.2km az=163.8.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=0.5km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=4.8km s-min=2.9km az=154.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=23.5km s-min=8.5km az=167.0.
BER Event type sh. Error ellipse: s-maj=19.7km s-min=14.8km az=-1.0. Suspected explosion.

(548) Poland

ISC	**V**	**18 13 01 19.2–1.2**	**51.48N–.06**	**16.10E–.03**	**0**		**46**	**1-3**
ISCJB	V	18 13 01 16.9–.87	51.50N–.04	16.10E–.04	0			**¶12848903**
WAR	V	18 13 01 18.9	51.52N	16.11E				
CSEM	V	18 13 01 18.8–.56	51.47N	16.10E	2	2.9L		
PRU	V	18 13 01 19.5	51.48N	16.11E	0	2.9L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=3.4km az=16.8.
CSEM Event type ki. Error ellipse: s-maj=9.3km s-min=4.7km az=5.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**18 13 06 15.4–.85**	**57.79N–.03**	**21.96E–.03**	**0**		**108**	**0-12**
ISCJB	V	18 13 06 14.7–.38	57.82N–.03	21.96E–.04	0			**¶13679179**
HEL	V	18 13 06 15.9–.10	57.76N	21.96E	0	2.2L,2.2L		
CSEM	V	18 13 06 16.0–.18	57.79N	22.00E	2	2.2L,2.2L		
UPP	V	18 13 06 16.7	57.78N	21.89E	0	2.2L,2.2L		
IDC	V	18 13 06 17.3–2.9	57.88N	21.85E	0	3.3,3.2		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.6km s-min=3.2km az=161.8.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=4.9km s-min=2.9km az=153.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.
IDC Error ellipse: s-maj=31.8km s-min=12.1km az=159.0.

(548) Poland

ISC	**V**	**19 04 29 32.1–1.3**	**51.45N–.06**	**16.12E–.03**	**0**		**41**	**1-3**
ISCJB	V	19 04 29 30.1–.93	51.46N–.04	16.11E–.04	0			**¶12848916**
WAR	V	19 04 29 31.6	51.51N	16.12E				
CSEM	V	19 04 29 31.9–.71	51.44N	16.12E	2	2.8L		
PRU	V	19 04 29 33.0	51.42N	16.13E	0	2.8L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.4km s-min=3.4km az=14.5.
CSEM Event type ki. Error ellipse: s-maj=11.4km s-min=5.9km az=9.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**19 14 37 17.6–.95**	**57.76N–.05**	**21.81E–.04**	**0**		**103**	**0-21**
ISCJB	V	19 14 37 17.0–.52	57.80N–.04	21.78E–.06	0			**¶13193037**
CSEM	V	19 14 37 18.1–.18	57.76N	21.83E	2	2.1L		
HEL	V	19 14 37 18.0–.10	57.73N	21.81E	0	2.2L,2.1L		
NAO	V	19 14 37 19.0–2.0	57.86N	21.83E		2.0L,2.1L		
UPP	V	19 14 37 19.7	57.77N	21.61E	1	2.2L,2.1L		
BER	V	19 14 37 20.3–2.7	57.75N	21.77E	0	2.0L,2.1L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.7km s-min=3.9km az=154.9.
CSEM Event type km. Error ellipse: s-maj=4.8km s-min=2.7km az=154.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
UPP Event type sm. Suspected Mining explosion.
BER Event type sh. Error ellipse: s-maj=13.8km s-min=11.0km az=-1.0. Suspected explosion.

(548) Poland

ISC	**V**	**20 00 07 00.4–.81**	**51.51N–.03**	**16.06E–.02**	**0**		**75**	**1-4**
ISCJB	V	20 00 06 58.6–.57	51.49N–.03	16.02E–.04	0			**¶12848935**
CSEM	V	20 00 06 58.8–.28	51.57N	16.00E	2	3.3L		
IPEC	V	20 00 06 59.1–.31	51.62N	16.12E	0–1	2.2L		
WAR	V	20 00 07 01.0	51.55N	16.10E		2.2L		
VIE	V	20 00 07 02.1–.35	51.32N	16.02E	0	2.8L,2.1b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.9km s-min=3.2km az=179.5.
CSEM Event type ki. Error ellipse: s-maj=4.4km s-min=4.2km az=24.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.6km az=31.0.
VIE Event type sr. Error ellipse: s-maj=2.3km s-min=2.0km az=9.0. 73 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**20 05 15 51.5–.91**	**57.82N–.04**	**22.47E–.04**	**0**		**44**	**0-12**
UPP	V	20 05 15 43.4	57.43N	23.53E	0	1.9L		**¶13679285**
ISCJB	V	20 05 15 51.2–.69	57.84N–.05	22.38E–.08	0	1.9L		
CSEM	V	20 05 15 51.3–.34	57.79N	22.56E	1	2.1L		
HEL	V	20 05 15 52.8–.20	57.83N	22.40E	0	2.1L,1.9L		
IDC	V	20 05 15 54.7–2.6	57.97N	22.22E	0	3.2,3.1		

ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=7.9km s-min=4.8km az=137.7.
CSEM Event type km. Error ellipse: s-maj=9.1km s-min=5.7km az=152.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=28.8km s-min=9.6km az=157.0.

(721) Finland

HEL	**V**	**20 09 27 56.7–.10**	**60.40N**	**25.75E**	**0**	**1.4L**		
CSEM	V	20 09 27 56.7	60.40N	25.75E	0	1.4L		**¶14610957**

HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(546) Austria

CSEM	**V**	**20 09 52 27.3–.20**	**48.49N**	**15.41E**	**2**	**2.6L**		
VIE	V	20 09 52 27.2–.19	48.48N	15.39E	0	2.2L,1.2b		**¶12848946**
PRU	V	20 09 52 28.5	48.49N	15.43E	1	2.2L,1.2b		

CSEM Event type km. Error ellipse: s-maj=4.1km s-min=3.5km az=113.0. Mining explosion.
VIE Event type km. Error ellipse: s-maj=1.7km s-min=1.4km az=16.0. 8 km WSW of Gfl . Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**20 10 45 01.7–.69**	**57.89N–.03**	**22.34E–.03**	**0**		**81**	**0-12**
UPP	V	20 10 44 58.0	57.66N	23.19E	0	2.2L		**¶13193049**
ISCJB	V	20 10 45 02.5–.44	57.91N–.03	22.36E–.05	0	2.2L		
HEL	V	20 10 45 03.7–.10	57.87N	22.43E	0	2.2L,2.2L		
CSEM	V	20 10 45 03.5–.23	57.87N	22.39E	2	2.2L,2.2L		
NAO	V	20 10 45 03.2–2.0	57.89N	22.43E		2.1L,2.2L		
BER	V	20 10 45 04.7–3.6	57.82N	22.36E	0	2.1L,2.2L		
IDC	V	20 10 45 05.1–2.3	57.96N	22.36E	0	3.1,3.0		

ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=4.5km s-min=3.6km az=135.0.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=5.7km s-min=4.2km az=156.0. Mining explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=17.4km s-min=13.2km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=23.1km s-min=8.3km az=164.0.

(536) Sweden

UPP	**V**	**20 12 46 49.6**	**56.89N**	**12.63E**	**5**	**1.1L**		
CSEM	V	20 12 46 49.6	56.89N	12.63E	5	1.1L		**¶16375044**

UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After UPP.

(548) Poland

ISC	**V**	**20 14 28 47.7–.67**	**50.35N–.03**	**18.88E–.02**	**0**		**99**	**1-20**
ISCJB	V	20 14 28 46.8–.41	50.39N–.03	18.75E–.03	0			**¶12848948**
IDC	V	20 14 28 47.2–2.7	50.04N	19.14E	0	3.5,3.4		
IPEC	V	20 14 28 47.9–.21	50.42N	18.83E	3–1	2.6L,3.4		
CSEM	V	20 14 28 48.4–.27	50.36N	18.76E	2	3.4L,3.4		
WAR	V	20 14 28 48.1	50.36N	18.87E		3.4L,3.4		
PRU	V	20 14 28 48.9	50.36N	18.77E	0	3.4L,3.4		
VIE	V	20 14 28 50.1–.82	49.71N	19.02E	0	2.8L,2.2b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.4km s-min=2.3km az=14.1.
IDC Error ellipse: s-maj=49.4km s-min=10.5km az=139.0.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=0.9km az=173.0.
CSEM Event type ki. Error ellipse: s-maj=6.4km s-min=3.1km az=7.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=5.4km s-min=5.0km az=145.0. 57 km ESE of Ostrava . Suspected Mining induced.

(548) Poland

ISC	**V**	**20 19 52 42.3–1.2**	**51.43N–.05**	**16.11E–.03**	**0**		**54**	**1-3**

ISCJB V 20 19 52 40.6–.83 51.41N–.04 16.14E–.04 0 ¶12848952
WAR V 20 19 52 41.9 51.49N 16.10E
CSEM V 20 19 52 41.1–.65 51.45N 16.16E 2 2.7L
IPEC V 20 19 52 42.1–.29 51.45N 16.25E 0 1.6L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.7km s-min=3.1km az=15.2.
CSEM Event type ki. Error ellipse: s-maj=9.9km s-min=5.6km az=14.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.4km az=36.0.

(548) Poland

ISC V 20 21 37 05.2–.77 49.93N–.03 18.55E–.02 0 48 0-3
ISCJB V 20 21 37 03.7–.45 50.01N–.03 18.45E–.03 0 ¶12848954
WAR V 20 21 37 04.4 49.96N 18.57E
IPEC V 20 21 37 04.4–.17 49.96N 18.58E 0 1.6L
PRU V 20 21 37 06.8 49.94N 18.42E 0 1.6L
CSEM V 20 21 37 06.1–.32 49.91N 18.41E 2 2.5L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.6km s-min=2.5km az=7.9.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=160.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=6.8km s-min=4.4km az=17.0.

(548) Poland

ISC V 21 00 51 08.3–.89 51.50N–.03 16.10E–.02 0 72 1-4
ISCJB V 21 00 51 07.8–.65 51.40N–.03 16.09E–.03 0 ¶12862058
WAR V 21 00 51 08.4 51.53N 16.15E
IPEC V 21 00 51 08.1–.29 51.51N 16.26E 0 2.3L
CSEM V 21 00 51 09.3–.34 51.40N 16.09E 1 3.1L
VIE V 21 00 51 10.9–.42 51.24N 16.15E 0 2.6L,2.1b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.8km s-min=2.8km az=18.5.
IPEC Event type ki. Error ellipse: s-maj=3.3km s-min=1.7km az=67.0.
CSEM Event type ki. Error ellipse: s-maj=5.8km s-min=3.1km az=2.0.
VIE Event type sr. Error ellipse: s-maj=3.2km s-min=2.7km az=71.0. 62 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC V 21 06 05 23.9–1.2 51.43N–.06 16.08E–.03 0 42 1-3
CSEM V 21 06 05 21.6–.46 51.51N 16.07E 1 3.2L ¶12862060
ISCJB V 21 06 05 22.5–.93 51.41N–.05 16.08E–.04 0 3.2L
WAR V 21 06 05 22.8 51.52N 16.11E 3.2L
PRU V 21 06 05 24.8 51.40N 16.07E 0 3.2L
ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=7.9km s-min=7.1km az=6.0.
ISCJB Event type ki. Error ellipse: s-maj=6.8km s-min=3.3km az=13.2.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC V 21 11 11 07.5–1.4 59.23N–.04 27.96E–.09 0 46 1-10
ISCJB V 21 11 11 06.2–1.2 59.21N–.03 28.0E–.10 0 ¶13193066
CSEM V 21 11 11 06.6–.53 59.19N 28.14E 1 5.7s
HEL V 21 11 11 08.3–.20 59.22N 28.01E 0 1.1L
NAO V 21 11 11 09.3–1.4 59.23N 27.50E 2.1L
BER V 21 11 11 09.7–3.1 59.25N 27.64E 0 2.1L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=11.3km s-min=4.2km az=14.5.
CSEM Event type km. Error ellipse: s-maj=12.5km s-min=4.1km az=107.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.7km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Event type sh. Error ellipse: s-maj=6.4km s-min=27.3km az=-1.0. Suspected explosion.

(366) Turkey

ISC V 21 11 47 04.3–1.3 37.24N–.04 28.22E–.04 0 22 0-1
ISK V 21 11 47 02.8 37.24N 28.25E 13 2.5 ¶13839929
ISCJB V 21 11 47 03.5–.81 37.26N–.05 28.25E–.05 0 2.5
DDA V 21 11 47 04.0 37.20N 28.08E 7 2.7
CSEM V 21 11 47 03.6–.31 37.25N 28.24E 1 2.5
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=8.3km s-min=3.9km az=42.3.
DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=9.1km s-min=3.9km az=39.0.

(536) Sweden

HEL V 21 14 45 39.8–.20 67.19N 20.82E 0 0.9L ¶14611025
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0. Explosion.

(548) Poland

ISC V 21 14 51 48.7–.84 51.58N–.04 16.12E–.02 0 57 1-19
IPEC V 21 14 51 48.5–.45 51.58N 16.20E 1–2 2.2L ¶12862062
ISCJB V 21 14 51 48.9–.70 51.45N–.04 16.09E–.03 0 2.2L
CSEM V 21 14 51 49.7–.28 51.49N 16.09E 2 3.2L
WAR V 21 14 51 50.6 51.51N 16.12E 3.2L
PRU V 21 14 51 51.1 51.46N 16.09E 0 3.2L
IDC V 21 14 51 51.1–1.0 51.46N 16.13E 0 3.2,3.1
ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=3.4km s-min=2.3km az=58.0.
ISCJB Event type ki. Error ellipse: s-maj=5.4km s-min=2.9km az=11.8.
CSEM Event type ki. Error ellipse: s-maj=4.9km s-min=3.7km az=4.0.
PRU Event type ki.
IDC Error ellipse: s-maj=22.1km s-min=9.5km az=110.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC V 21 17 51 29.5–.86 57.82N–.04 22.64E–.03 0 55 0-12
UPP V 21 17 51 20.4 57.78N 24.13E 0 2.1L ¶12848976
IDC V 21 17 51 29.3–2.7 57.79N 22.78E 0 3.0,2.9
ISCJB V 21 17 51 30.1–.43 57.97N–.03 22.46E–.06 0 3.0,2.9
CSEM V 21 17 51 30.7–.32 57.83N 22.57E 1 1.9L,2.9
HEL V 21 17 51 31.1–.20 57.88N 22.56E 0 2.1L,1.9L
ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
IDC Error ellipse: s-maj=27.3km s-min=10.9km az=160.0.
ISCJB Event type km. Error ellipse: s-maj=5.2km s-min=3.3km az=135.0.
CSEM Event type km. Error ellipse: s-maj=10.7km s-min=4.5km az=147.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=1.6km az=-1.0. Explosion.

(548) Poland

ISC V 22 16 17 10.4–1.3 51.47N–.06 16.10E–.03 0 37 1-3
ISCJB V 22 16 17 08.7–.91 51.47N–.04 16.08E–.04 0 ¶12862078
WAR V 22 16 17 10.7 51.50N 16.09E
CSEM V 22 16 17 10.3–.80 51.46N 16.13E 2 3.0L
PRU V 22 16 17 11.0 51.46N 16.10E 0 3.0L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.6km s-min=3.6km az=12.9.
CSEM Event type ki. Error ellipse: s-maj=12.7km s-min=6.7km az=8.0.
PRU Event type ki.

(548) Poland

ISC V 22 22 17 31.7–.76 50.13N–.03 18.44E–.02 0 62 0-4
ISCJB V 22 22 17 30.9–.42 50.15N–.03 18.33E–.03 0 ¶12862082
WAR V 22 22 17 32.0 50.08N 18.45E
CSEM V 22 22 17 32.4–.32 50.12N 18.32E 2 3.0L
IPEC V 22 22 17 32.1–.17 50.09N 18.46E 1–2 2.1L
PRU V 22 22 17 33.3 50.12N 18.35E 0 2.1L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.3km s-min=2.3km az=13.1.
CSEM Event type ki. Error ellipse: s-maj=7.5km s-min=3.9km az=16.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=160.0.
PRU Event type ki.

(722) Norway-Murmansk border region

HEL V 23 00 51 31.6–.50 69.30N 30.41E 0 1.1L
CSEM V 23 00 51 31.6 69.30N 30.41E 0 1.1L ¶14611104
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=2.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(460) Wyoming

ISC V 23 16 42 12.9–.67 43.47N–.02 105.37W–.02 0 95 0-20
ISCJB V 23 16 42 12.6–.23 43.47N–.02 105.38W–.03 0 ¶14598234
NEIC V 23 16 42 13.1–.38 43.56N 105.33W 0 3.0L
IDC V 23 16 42 41.9–2.5 46.25N 104.83W 0 3.5,3.2
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.7km s-min=2.2km az=171.1.
NEIC Event type fm. Error ellipse: s-maj=5.5km s-min=5.0km az=179.0. 80 km [50 miles] ENE of Midwest. Suspected Mining explosion.
IDC Error ellipse: s-maj=52.0km s-min=18.3km az=106.0.

(548) Poland

ISC V 23 19 22 39.9–.88 50.05N–.04 18.42E–.03 0 35 0-4
ISCJB V 23 19 22 38.1–.54 50.10N–.03 18.35E–.03 0 ¶12862089
WAR V 23 19 22 39.9 50.05N 18.44E
IPEC V 23 19 22 39.4–.28 50.14N 18.35E 0 1.9L
PRU V 23 19 22 40.7 50.05N 18.38E 0 1.9L
CSEM V 23 19 22 41.8–.54 50.00N 18.24E 1 2.8L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.0km s-min=2.9km az=5.1.
IPEC Event type ki. Error ellipse: s-maj=5.2km s-min=0.8km az=158.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=8.6km s-min=5.8km az=96.0.

(460) Wyoming

ISC V 23 20 04 08.9–.64 43.75N–.02 105.26W–.02 0 131 0-79
NEIC V 23 20 04 09.0–.44 43.82N 105.16W 0 3.3L ¶13679487
IDC V 23 20 04 08.6–1.9 43.80N 105.46W 0 3.7b,3.7
ISCJB V 23 20 04 09.3–.22 43.75N–.02 105.30W–.03 0 3.8b,3.7s
ISC Event type sm.
NEIC Event type fm. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
ISCJB Event type fm.

(646) Northern Norway

ISC V 24 00 44 47.6–.80 67.73N–.03 15.13E–.03 0 140 0-8
ISCJB V 24 00 44 47.5–.43 67.71N–.03 15.45E–.07 0 ¶13193099
CSEM V 24 00 44 47.8–.39 67.81N 15.01E 1 2.0L
UPP V 24 00 44 48.6 67.81N 15.05E 0 1.8L
HEL V 24 00 44 48.6–.30 67.89N 14.93E 15 2.0L,2.0L
IDC V 24 00 44 48.0–1.5 67.93N 14.97E 0 2.9,2.8
NAO V 24 00 44 50.0–2.3 67.91N 15.07E 12–15 2.3L,2.8
BER V 24 00 44 51.4 67.83N 15.18E 15 2.5,2.3L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.6km s-min=2.9km az=37.2.
CSEM Event type sm. Error ellipse: s-maj=9.7km s-min=3.7km az=136.0. Suspected Mining explosion.
UPP Event type sm. Suspected Mining explosion.
HEL Error ellipse: s-maj=1.7km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=19.3km s-min=7.5km az=127.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(548) Poland

ISC V 24 03 16 59.1–.90 50.00N–.05 19.16E–.02 0 27 0-4
ISCJB V 24 03 16 57.9–.51 50.08N–.04 19.10E–.03 0 ¶12862093
PRU V 24 03 16 58.9 50.12N 19.10E 0
WAR V 24 03 16 58.5 50.07N 19.17E
IPEC V 24 03 16 58.6–.23 50.12N 19.13E 0 1.8L
CSEM V 24 03 16 59.8–.60 50.17N 18.99E 2 2.6L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=2.9km az=8.7.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=10.4km s-min=1.1km az=161.0.
CSEM Event type ki. Error ellipse: s-maj=12.8km s-min=8.1km az=1.0.

(460) Wyoming

ISC V 24 20 01 03.8–.57 43.79N–.02 105.36W–.02 0 3.9b 127 0-90
ISCJB V 24 20 01 03.8–.22 43.76N–.02 105.33W–.02 0 3.9b ¶13679582
NEIC V 24 20 01 03.5–.41 43.74N 105.24W 0 3.4L
IDC V 24 20 01 05.3–.91 44.05N 105.71W 0 3.9b,3.8
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.5km s-min=2.4km az=38.6.
NEIC Event type fm. Error ellipse: s-maj=5.9km s-min=5.3km az=162.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.4km s-min=9.8km az=141.0.

(659) North Korea

ISC V 25 00 54 42.9–.26 41.30N–.03 129.07E–.03 0 4.7b,3.9s 436 2-165
ISCJB V 25 00 54 41.2–.14 41.27N–.02 129.03E–.03 0 4.8b,3.8s ¶13439778
BYKL V 25 00 54 41.0 41.29N 129.07E 0 4.8b,3.8s
MOS V 25 00 54 41.2–1.0 41.29N 129.04E 0 4.8b,3.7s
IDC V 25 00 54 42.8–.32 41.31N 129.05E 0 4.6,4.6
NEIC V 25 00 54 43.1–.11 41.30N 129.04E 0 4.7b,4.6
BJI V 25 00 54 43.1 41.30N 129.00E 0 4.8L,4.8b
ISC Event type kn.
ISCJB Event type fn. Error ellipse: s-maj=3.0km s-min=2.5km az=41.5.
MOS Error ellipse: s-maj=6.8km s-min=4.6km az=105.0. Moment Tensor Solution.
IDC Error ellipse: s-maj=9.6km s-min=8.8km az=104.0.
NEIC Event type fn. Error ellipse: s-maj=3.0km s-min=2.7km az=130.0. Underground nuclear explosion. Nuclear explosion.

(366) Turkey

ISC V 25 04 56 13.1–.80 39.63N–.02 29.28E–.03 0 47 0-2
ISK V 25 04 56 12.9 39.59N 29.25E 15 2.7 ¶13840036
CSEM V 25 04 56 12.8–.31 39.59N 29.29E 1 2.7
ISCJB V 25 04 56 14.1–.42 39.67N–.02 29.42E–.04 0 2.7
DDA V 25 04 56 14.5 39.68N 29.45E 7 2.6
ISC Event type kh.
CSEM Event type ki. Error ellipse: s-maj=8.7km s-min=5.1km az=57.0.
ISCJB Event type kh. Error ellipse: s-maj=5.0km s-min=3.0km az=153.4.
DDA Event type kh.

(724) Baltic States - Belarus - Northwestern Russia

ISC V 25 08 05 50.3–.81 67.63N–.03 33.85E–.05 0 3.5b 159 0-58
ISCJB V 25 08 05 48.8–.45 67.66N–.03 34.02E–.06 0 3.5b ¶13193115
HEL V 25 08 05 50.8–.10 67.65N 33.99E 1 3.6L,3.5L
IDC V 25 08 05 51.2–.70 67.68N 33.88E 0 3.8L,3.7
NAO V 25 08 05 53.9–1.6 67.59N 33.49E 9–5 3.6L,3.7
CSEM V 25 08 05 55.5–.18 67.53N 32.88E 1 3.6L,3.7
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.7km s-min=3.2km az=1.1.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=9.4km s-min=8.0km az=43.0.
CSEM Event type sm. Error ellipse: s-maj=5.0km s-min=3.4km az=149.0. Suspected Mining explosion.

(543) Germany

ISC V 25 10 59 58.8–6.1 50.3N–.10 12.6E–.30 10 4 2-3
VIE V 25 10 59 59.5–.42 50.25N 12.76E 0 2.5L,1.9b ¶14370601
ISC Event type ke.
VIE Event type sm. Error ellipse: s-maj=4.4km s-min=1.2km az=41.0. 22 km E of Klingenthal . Suspected Mining explosion.

(537) Baltic Sea

ISC V 25 17 35 36.7–.79 58.86N–.03 18.70E–.03 0 79 1-11
ISCJB V 25 17 35 36.6–.44 58.89N–.04 18.78E–.05 0 ¶13193118
CSEM V 25 17 35 37.7–.17 58.89N 18.75E 2 1.8L
UPP V 25 17 35 37.3 58.87N 18.81E 0 1.8L
NAO V 25 17 35 38.4–1.9 58.98N 18.71E 2.3L
HEL V 25 17 35 38.1–.10 58.88N 18.78E 0 2.3L,1.8L
IDC V 25 17 35 39.4–2.9 58.95N 18.74E 0 3.1L,3.0
BER V 25 17 35 40.3–3.2 59.04N 18.68E 0 2.3L,3.0
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.1km s-min=3.8km az=179.0.
CSEM Event type km. Error ellipse: s-maj=4.3km s-min=3.5km az=163.0. Mining explosion.
UPP Event type km. Mining explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0. Explosion.
IDC Error ellipse: s-maj=34.8km s-min=8.8km az=177.0.
BER Event type sh. Error ellipse: s-maj=21.6km s-min=13.0km az=-1.0. Suspected explosion.

(548) Poland

ISC V 25 19 58 11.5–.81 50.09N–.04 19.08E–.02 0 52 0-4
ISCJB V 25 19 58 10.7–.47 50.15N–.03 18.98E–.03 0 ¶12867613
WAR V 25 19 58 11.6 50.11N 19.11E
CSEM V 25 19 58 11.7–.36 50.15N 18.98E 1 2.7L
IPEC V 25 19 58 12.0–.35 50.17N 19.02E 0 1.9L
PRU V 25 19 58 12.3 50.14N 18.99E 0 1.9L
VIE V 25 19 58 16.9–.56 49.91N 18.75E 0 2.1L,1.5b

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.1km s-min=2.4km az=13.5.
CSEM Event type ki. Error ellipse: s-maj=8.8km s-min=3.7km az=8.0.
IPEC Event type ki. Error ellipse: s-maj=2.7km s-min=2.2km az=166.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.3km s-min=3.1km az=0.0. 37 km ENE of Ostrava . Suspected Mining induced.

(548) Poland

ISC	**V**	**25 22 18 07.8–.77**	**50.24N–.03**	**18.95E–.02**	**0**		**81**	**1-5**
IPEC	V	25 22 18 07.7–.35	50.28N	18.99E	0	2.2L		¶12867615
ISCJB	V	25 22 18 07.3–.43	50.30N–.03	18.87E–.03	0	2.2L		
CSEM	V	25 22 18 08.5–.24	50.28N	18.88E	2	2.9L		
WAR	V	25 22 18 08.7	50.25N	18.98E		2.9L		
PRU	V	25 22 18 09.4	50.25N	18.85E	0	2.9L		
VIE	V	25 22 18 10.8–.70	49.72N	18.98E	0	2.6L,2.0b		

ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.9km az=34.0.
ISCJB Event type sr. Error ellipse: s-maj=4.8km s-min=2.3km az=17.4.
CSEM Event type ki. Error ellipse: s-maj=6.2km s-min=3.2km az=10.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.6km s-min=4.3km az=144.0. 54 km ESE of Ostrava . Suspected Mining induced.

(548) Poland

ISC	**V**	**26 05 41 21.0–1.3**	**51.50N–.06**	**16.09E–.03**	**0**		**49**	**1-4**
ISCJB	V	26 05 41 20.2–.84	51.42N–.04	16.10E–.04	0			¶12867622
WAR	V	26 05 41 20.9	51.55N	16.11E				
CSEM	V	26 05 41 20.9–.53	51.48N	16.10E	2	3.2L		
VIE	V	26 05 41 23.1–.42	51.29N	16.17E	0	2.4L,2.0b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=6.1km s-min=3.3km az=14.9.
CSEM Event type ki. Error ellipse: s-maj=8.4km s-min=5.0km az=22.0.
VIE Event type sr. Error ellipse: s-maj=2.8km s-min=2.4km az=165.0. 63 km WNW of Wroclaw . Suspected Mining induced.

(546) Austria

VIE	**V**	**26 10 26 31.9–.32**	**47.15N**	**15.80E**	**0**	**0.8L,0.2b**		**¶14370610**

VIE Event type km. Error ellipse: s-maj=3.0km s-min=1.5km az=80.0. 8 km NE of Gleisdorf . Mining explosion.

(548) Poland

ISC	**V**	**26 12 03 50.6–1.3**	**51.43N–.06**	**16.09E–.03**	**0**		**60**	**1-4**
ISCJB	V	26 12 03 48.8–.88	51.39N–.04	16.11E–.04	0			¶12867628
IPEC	V	26 12 03 48.5–.30	51.52N	16.15E	0	2.4L		
WAR	V	26 12 03 49.3	51.51N	16.12E		2.4L		
CSEM	V	26 12 03 49.4–.42	51.45N	16.07E	2	3.4L		
VIE	V	26 12 03 51.7–.35	51.23N	16.15E	0	2.8L,2.0b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.7km s-min=3.3km az=5.8.
IPEC Event type ki. Error ellipse: s-maj=3.3km s-min=1.7km az=65.0.
CSEM Event type ki. Error ellipse: s-maj=6.4km s-min=3.7km az=10.0.
VIE Event type sr. Error ellipse: s-maj=2.2km s-min=2.0km az=174.0. 62 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**V**	**26 15 37 36.9–.71**	**59.83N–.03**	**22.27E–.02**	**0**		**88**	**1-19**
ISCJB	V	26 15 37 37.8–.39	59.86N–.03	22.30E–.05	0			¶13193124
CSEM	V	26 15 37 38.5–.15	59.86N	22.32E	2	2.2L		
IDC	V	26 15 37 39.8–2.0	59.93N	22.36E	0	3.0,2.9		
HEL	V	26 15 37 39.0–.10	59.82N	22.27E	0	2.2L,1.5L		
NAO	V	26 15 37 39.2–1.3	59.93N	22.24E		2.0L,1.5L		
UPP	V	26 15 37 40.3	59.86N	22.05E	0	2.2L,1.5L		
BER	V	26 15 37 41.1–3.5	60.00N	22.14E	0	2.0L,1.5L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.3km s-min=3.3km az=165.0.
CSEM Event type km. Error ellipse: s-maj=4.1km s-min=2.8km az=166.0. Mining explosion.
IDC Error ellipse: s-maj=23.4km s-min=7.7km az=163.0.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0. Explosion.
UPP Event type km. Mining explosion.
BER Event type sh. Error ellipse: s-maj=11.3km s-min=13.7km az=-1.0. Suspected explosion.

(537) Baltic Sea

ISC	**V**	**26 16 02 37.5–.90**	**56.16N–.04**	**17.18E–.05**	**0**		**61**	**1-14**
ISCJB	V	26 16 02 37.2–.68	56.08N–.06	17.32E–.08	0			¶13193125
CSEM	V	26 16 02 39.6–.25	56.09N	17.07E	1	2.5L		
BER	V	26 16 02 39.4–3.1	55.99N	16.99E	0	2.1L		
HEL	V	26 16 02 40.2–.70	56.13N	17.16E	0	2.5L		
UPP	V	26 16 02 40.1	56.09N	17.06E	5	2.5L		
NAO	V	26 16 02 45.1–4.1	56.29N	17.04E	15–22	2.1L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=9.6km s-min=4.0km az=144.2.
CSEM Event type km. Error ellipse: s-maj=7.0km s-min=3.5km az=148.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=21.7km s-min=26.2km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=6.2km s-min=3.1km az=-1.0. Explosion.
UPP Event type km. Mining explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.

(536) Sweden

ISC	**V**	**26 17 40 19.8–.69**	**67.06N–.02**	**21.03E–.03**	**0**		**100**	**1-8**
ISCJB	V	26 17 40 20.1–.37	67.06N–.02	21.13E–.07	0			¶13193126
IDC	V	26 17 40 20.9–.90	67.07N	20.85E	0	3.0,2.9		
UPP	V	26 17 40 20.7	67.06N	20.93E	0	2.1L,2.9		
NAO	V	26 17 40 21.6–1.2	67.06N	21.22E		2.7L,2.9		
CSEM	V	26 17 40 21.0–.16	67.06N	21.01E	2	1.9L,2.9		
HEL	V	26 17 40 21.4–.10	67.07N	20.94E	0	2.1L,1.9L		
BER	V	26 17 40 23.7–3.0	67.04N	21.02E	0	2.7L,2.1L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.0km s-min=3.2km az=6.8.
IDC Error ellipse: s-maj=16.9km s-min=7.7km az=118.0.
UPP Event type km. Mining explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=4.1km s-min=3.0km az=89.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=6.4km s-min=19.8km az=-1.0. Suspected explosion.

(548) Poland

ISC	**V**	**26 19 04 14.6–.59**	**51.58N–.03**	**16.10E–.02**	**0**		**147**	**1-60**
ISCJB	V	26 19 04 12.9–.27	51.55N–.01	16.11E–.03	0	3.2b		¶12867635
CSEM	V	26 19 04 14.8–.14	51.55N	16.03E	2	3.7L		
IPEC	V	26 19 04 15.3–.29	51.57N	16.19E	0	2.9L		
WAR	V	26 19 04 16.6	51.54N	16.09E		2.9L		
LDG	V	26 19 04 16.7–.22	51.42N	15.97E	1	3.6L		
IDC	V	26 19 04 16.7–.65	51.50N	16.16E	0	3.4,3.3		
VIE	V	26 19 04 18.3–.37	51.33N	16.04E	0	3.2L,2.8b		
UPP	V	26 19 04 19.5	51.78N	15.84E	0	2.3L,2.8b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.5km s-min=2.1km az=157.2.
CSEM Event type ki. Error ellipse: s-maj=3.2km s-min=2.5km az=68.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=34.0.
LDG Event type sr. Error ellipse: s-maj=5.7km s-min=2.3km az=13.0. Suspected Mining induced.
IDC Error ellipse: s-maj=13.4km s-min=6.8km az=112.0.
VIE Event type sr. Error ellipse: s-maj=2.4km s-min=1.8km az=22.0. 72 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type km. Mining explosion.

(548) Poland

ISC	**V**	**27 01 54 12.4–.54**	**51.49N–.02**	**16.09E–.02**	**0**	**3.4b**	**152**	**1-60**
ISCJB	V	27 01 54 10.6–.30	51.47N–.02	16.10E–.02	0	3.3b		¶12867643
IPEC	V	27 01 54 12.7–.42	51.51N	16.26E	1–2	2.8L		
CSEM	V	27 01 54 12.1–.16	51.50N	16.11E	0	3.7L		
IDC	V	27 01 54 13.7–.55	51.47N	15.97E	0	3.6,3.5		
WAR	V	27 01 54 13.0	51.53N	16.10E		3.6,3.5		
PRU	V	27 01 54 13.9	51.45N	16.06E	0	3.6,3.5		
VIE	V	27 01 54 14.9–.44	51.31N	16.02E	0	3.2L,2.8b		
LDG	V	27 01 54 15.2–.38	51.58N	15.92E	1	3.3L,2.8b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.7km s-min=2.2km az=12.0.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.5km az=24.0.
CSEM Event type ki. Error ellipse: s-maj=3.4km s-min=2.7km az=8.0.
IDC Error ellipse: s-maj=11.9km s-min=5.9km az=104.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.8km s-min=1.9km az=27.0. 73 km WNW of Wroclaw . Suspected Mining induced.
LDG Event type sr. Error ellipse: s-maj=14.8km s-min=4.5km az=143.0. Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

HEL	**V**	**27 09 11 18.8–.40**	**67.62N**	**34.39E**	**0**	**2.2L**		**¶14611241**

HEL Event type kh. Error ellipse: s-maj=1.9km s-min=2.5km az=-1.0. Explosion.

(646) Northern Norway

ISC	**V**	**27 14 39 10.7–.91**	**70.50N–.05**	**23.01E–.05**	**0**		**42**	**1-9**
ISCJB	V	27 14 39 10.1–.86	70.48N–.05	23.1E–.10	0			¶13469854
CSEM	V	27 14 39 11.9–.22	70.43N	23.10E	2	1.5L		
NAO	V	27 14 39 12.3–1.0	70.40N	23.06E		2.1L		
BER	V	27 14 39 13.5–2.7	70.40N	23.09E	0	2.1L,1.5L		
HEL	V	27 14 39 13.2–.40	70.39N	23.02E	0	1.7L,1.5L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.8km s-min=6.8km az=150.1.
CSEM Event type km. Error ellipse: s-maj=4.7km s-min=4.1km az=16.0. Mining explosion.
BER Event type kh. Error ellipse: s-maj=6.9km s-min=25.1km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=1.4km az=-1.0. Explosion.

(548) Poland

ISC	**V**	**27 16 52 05.9–.63**	**51.53N–.03**	**16.07E–.02**	**0**		**148**	**1-19**
ISCJB	V	27 16 52 03.7–.26	51.55N–.02	16.12E–.03	0			¶12867649
CSEM	V	27 16 52 05.7–.13	51.54N	16.11E	0	3.8L		
IPEC	V	27 16 52 06.1–.28	51.56N	16.24E	0	2.6L		
WAR	V	27 16 52 07.8	51.51N	16.13E		2.6L		
IDC	V	27 16 52 07.1–.59	51.53N	15.99E	0	3.5,3.4		
UPP	V	27 16 52 08.6	51.65N	15.52E	0	2.3L,3.4		
LDG	V	27 16 52 09.8–.50	51.24N	16.09E	1	3.5L,3.4		
VIE	V	27 16 52 09.5–.55	51.27N	16.07E	0	3.2L,2.8b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.4km s-min=2.1km az=136.1.
CSEM Event type ki. Error ellipse: s-maj=3.0km s-min=2.5km az=59.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=34.0.
IDC Error ellipse: s-maj=9.6km s-min=5.6km az=101.0.
UPP Event type sm. Suspected Mining explosion.
LDG Event type sr. Error ellipse: s-maj=13.2km s-min=4.6km az=14.0. Suspected Mining induced.
VIE Event type sr. Error ellipse: s-maj=3.5km s-min=3.2km az=163.0. 68 km WNW of Wroclaw . Suspected Mining induced.

(460) Wyoming

ISC	**V**	**27 18 02 21.6–.62**	**43.60N–.02**	**105.29W–.02**	**0**		**135**	**0-62**
IDC	V	27 18 02 20.5–2.6	43.34N	105.17W	0	4.2b,4.0		¶13679757
ISCJB	V	27 18 02 22.0–.19	43.65N–.01	105.31W–.02	0	4.5b,4.0		
NEIC	V	27 18 02 22.3–.50	43.62N	105.25W	0	3.2L,4.0		

ISC Event type sm.
IDC Error ellipse: s-maj=56.8km s-min=9.3km az=155.0.
ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.7km az=157.5.
NEIC Event type fm. Error ellipse: s-maj=7.7km s-min=6.1km az=172.0. 80 km [50 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**V**	**27 23 29 13.1–.78**	**50.19N–.04**	**19.09E–.02**	**0**		**73**	**0-4**
ISCJB	V	27 23 29 11.8–.49	50.24N–.04	19.00E–.03	0			¶12867660
CSEM	V	27 23 29 12.9–.27	50.24N	19.03E	2	2.6L		
IPEC	V	27 23 29 12.6–.46	50.30N	19.05E	3–1	1.7L		
PRU	V	27 23 29 13.4	50.26N	19.02E	0	1.7L		
WAR	V	27 23 29 13.5	50.20N	19.14E		1.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.6km s-min=2.4km az=10.5.
CSEM Event type ki. Error ellipse: s-maj=7.8km s-min=2.9km az=5.0.
IPEC Event type ki. Error ellipse: s-maj=8.0km s-min=1.0km az=167.0.
PRU Event type ki.

(548) Poland

ISC	**V**	**28 03 53 29.0–.88**	**51.53N–.03**	**16.09E–.02**	**0**		**77**	**1-5**
ISCJB	V	28 03 53 28.4–.53	51.44N–.03	16.12E–.03	0			¶12871029
CSEM	V	28 03 53 29.5–.24	51.49N	16.09E	2	3.6L		
IPEC	V	28 03 53 29.5–.89	51.54N	16.13E	3–4	2.6L		
WAR	V	28 03 53 30.3	51.52N	16.16E		2.6L		
PRU	V	28 03 53 31.3	51.45N	16.07E	0	2.6L		
VIE	V	28 03 53 31.2–.39	51.31N	16.07E	0	3.0L,2.5b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.4km s-min=2.6km az=8.6.
CSEM Event type ki. Error ellipse: s-maj=4.5km s-min=3.0km az=175.0.
IPEC Event type ki. Error ellipse: s-maj=4.8km s-min=1.8km az=179.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.6km s-min=2.1km az=4.0. 70 km WNW of Wroclaw . Suspected Mining induced.

(547) Czech and Slovak Republics

VIE	**V**	**28 11 18 06.7–.27**	**49.09N**	**15.41E**	**0**	**1.9L,1.6b**		
CSEM	V	28 11 18 07.0–.56	49.09N	15.44E	1	1.9L,1.6b		¶14370628

VIE Event type sm. Error ellipse: s-maj=2.3km s-min=1.4km az=179.0. 25 km NNW of Vratenin . Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=16.0km s-min=6.6km az=135.0. Suspected Mining explosion.

(536) Sweden

ISC	**V**	**28 17 08 45.1–.90**	**67.00N–.04**	**20.95E–.05**	**0**		**23**	**2-11**
ISCJB	V	28 17 08 43.9–.56	66.98N–.03	20.8E–.10	0			¶13679833
IDC	V	28 17 08 47.0–.80	67.03N	21.25E	0	3.2,3.2		
HEL	V	28 17 08 46.2–.20	67.05N	20.88E	0	1.6L,3.2		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=6.0km s-min=4.1km az=21.3.
IDC Error ellipse: s-maj=15.8km s-min=7.4km az=112.0.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0. Explosion.

(548) Poland

ISC	**V**	**28 19 21 38.6–1.7**	**51.52N–.08**	**16.10E–.04**	**0**		**34**	**1-3**
ISCJB	V	28 19 21 36.6–1.2	51.50N–.05	16.14E–.05	0			¶12871040
WAR	V	28 19 21 38.4	51.55N	16.10E				
CSEM	V	28 19 21 39.4–.76	51.44N	16.16E	2	2.9L		
PRU	V	28 19 21 40.2	51.44N	16.16E	0	2.9L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.9km s-min=3.8km az=24.2.
CSEM Event type ki. Error ellipse: s-maj=12.8km s-min=6.4km az=18.0.
PRU Event type ki.

(548) Poland

ISC	**V**	**28 19 36 14.2–1.1**	**51.45N–.05**	**16.08E–.02**	**0**		**54**	**1-4**
ISCJB	V	28 19 36 12.4–.74	51.41N–.04	16.11E–.03	0			¶12871041
WAR	V	28 19 36 12.9	51.53N	16.08E				
IPEC	V	28 19 36 12.9–.53	51.50N	16.27E	0–2	1.9L		
CSEM	V	28 19 36 13.7–.48	51.43N	16.10E	2	3.1L		
PRU	V	28 19 36 14.6	51.42N	16.10E	0	3.1L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.3km s-min=2.9km az=13.5.
IPEC Event type ki. Error ellipse: s-maj=4.9km s-min=1.9km az=51.0.
CSEM Event type ki. Error ellipse: s-maj=7.8km s-min=4.3km az=5.0.
PRU Event type ki.

(548) Poland

ISC	**V**	**28 21 20 22.9–.32**	**51.53N–.02**	**16.14E–.02**	**0**	**4.2b**	**713**	**1-125**
ISCJB	V	28 21 20 21.7–.15	51.48N–.01	16.10E–.02	0	4.4s,4.3b		¶12868604
LDG	V	28 21 20 22.8–.16	51.50N	16.37E	1	4.5L,4.3b		
MOS	V	28 21 20 22.0–1.1	51.55N	16.08E	10	4.4b,4.3b		
CSEM	V	28 21 20 23.1–.07	51.52N	16.14E	0	4.6L,4.5s		
WAR	V	28 21 20 23.8	51.53N	16.10E		4.6L,4.5s		
IPEC	V	28 21 20 23.1–.47	51.55N	16.21E	4–2	3.9L,4.5s		
NEIC	V	28 21 20 23.7–.25	51.54N	16.10E	5	4.3L,4.2L		
IDC	V	28 21 20 24.0–.42	51.49N	16.07E	0	4.1,4.1b		
BGR	V	28 21 20 24.7–.27	51.52N	16.16E	1	4.3L,4.1b		
PRU	V	28 21 20 24.2	51.48N	16.14E	0	4.3L,4.1b		
VIE	V	28 21 20 26.1–.51	51.29N	16.02E	1–2	4.5s,3.8L		
BNS	V	28 21 20 26.1–.32	51.88N	16.03E	10	4.1L,3.8L		

STR V 28 21 20 29.5–.51 51.41N 15.42E 1 4.7L,3.8L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=1.7km s-min=1.4km az=4.5.
LDG Event type sr. Error ellipse: s-maj=4.7km s-min=2.4km az=172.0. Suspected Mining induced.
MOS Error ellipse: s-maj=5.0km s-min=3.2km az=69.4.
CSEM Event type ki. Error ellipse: s-maj=1.9km s-min=1.6km az=173.0.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.5km az=25.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.2km az=153.0.
IDC Error ellipse: s-maj=8.7km s-min=5.4km az=105.0.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=25.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.7km s-min=1.6km az=14.0. 72 km WNW of Wroclaw . Suspected Mining induced.
BNS Event type ke.
STR Event type ke.

(548) Poland

ISC V 29 03 59 30.1–1.1 51.54N–.05 16.14E–.02 0 80 1-19
ISCJB V 29 03 59 28.8–.61 51.49N–.03 16.18E–.03 0 **¶12871047**
IPEC V 29 03 59 29.6–.48 51.57N 16.26E 1–2 2.4L
IDC V 29 03 59 31.0–.96 51.51N 16.24E 0 3.6,3.4
PRU V 29 03 59 30.5 51.54N 16.18E 0 3.6,3.4
CSEM V 29 03 59 30.3–.34 51.49N 16.15E 2 3.4L,3.4
WAR V 29 03 59 31.6 51.49N 16.09E 3.4L,3.4
VIE V 29 03 59 32.0–.43 51.34N 16.14E 0 2.9L,2.5b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.6km s-min=2.7km az=18.4.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.5km az=26.0.
IDC Error ellipse: s-maj=18.0km s-min=8.8km az=119.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=6.0km s-min=3.5km az=1.0.
VIE Event type sr. Error ellipse: s-maj=3.4km s-min=2.7km az=70.0. 66 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC V 29 06 37 52.3–.62 59.69N–.02 23.03E–.02 0 96 1-10
ISCJB V 29 06 37 52.7–.34 59.70N–.03 23.00E–.04 0 **¶13193138**
NAO V 29 06 37 53.7–1.1 59.67N 23.10E 2.2L
CSEM V 29 06 37 53.8–.16 59.70N 23.03E 2 2.2L
BER V 29 06 37 54.7–4.4 59.68N 23.04E 0–23 2.2L
HEL V 29 06 37 54.0–.10 59.67N 22.99E 0 2.0L,1.9L
IDC V 29 06 37 56.1–1.7 59.86N 22.97E 0 3.3,3.2
UPP V 29 06 37 57.6 59.71N 22.48E 0 2.0L,3.2
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.9km s-min=3.0km az=155.5.
CSEM Event type km. Error ellipse: s-maj=4.2km s-min=3.3km az=169.0. Mining explosion.
BER Error ellipse: s-maj=13.4km s-min=18.2km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=23.5km s-min=5.7km az=159.0.
UPP Event type sm. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC V 29 06 42 29.9–.66 59.68N–.02 22.94E–.02 0 125 1-19
IDC V 29 06 42 30.8–1.8 59.61N 23.18E 0 3.3,3.3 **¶13193139**
HEL V 29 06 42 30.9–.10 59.64N 23.05E 0 2.3L,2.1L
ISCJB V 29 06 42 30.1–.32 59.70N–.03 22.97E–.04 0 2.3L,2.1L
CSEM V 29 06 42 31.4–.14 59.69N 22.99E 2 2.3L,2.1L
NAO V 29 06 42 32.1–1.3 59.79N 22.97E 2.4L,2.1L
UPP V 29 06 42 33.5 59.71N 22.68E 0 2.3L,2.1L
BER V 29 06 42 33.5–4.2 59.82N 22.91E 0–46 2.4L,2.1L
ISC Event type km.
IDC Error ellipse: s-maj=21.4km s-min=6.0km az=156.0.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0. Explosion.
ISCJB Event type km. Error ellipse: s-maj=4.0km s-min=2.8km az=153.8.
CSEM Event type km. Error ellipse: s-maj=4.0km s-min=2.8km az=152.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.
BER Error ellipse: s-maj=22.5km s-min=23.9km az=-1.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC V 29 07 08 14.2–.62 59.72N–.03 22.93E–.02 0 91 1-10
ISCJB V 29 07 08 14.6–.35 59.73N–.03 23.04E–.05 0 **¶13193140**
NAO V 29 07 08 15.8–1.2 59.80N 22.90E 2.2L
HEL V 29 07 08 15.7–.10 59.65N 23.02E 0 2.2L,2.2L
CSEM V 29 07 08 15.9–.16 59.75N 23.00E 2 2.4L,2.2L
BER V 29 07 08 17.1–4.3 59.77N 22.87E 0 2.2L,2.2L
IDC V 29 07 08 17.3–.83 59.86N 23.05E 0 3.5,3.4
UPP V 29 07 08 20.8 59.64N 22.25E 0 2.2L,3.4
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.1km s-min=3.1km az=155.5.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=4.5km s-min=3.1km az=163.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=11.4km s-min=14.9km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=11.3km s-min=5.9km az=154.0.
UPP Event type sm. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC V 29 10 25 44.4–1.7 67.63N–.04 34.00E–.09 0 44 0-12
HEL V 29 10 25 43.1–.70 67.63N 34.33E 0 2.0L **¶13193141**
CSEM V 29 10 25 44.7–.50 67.83N 33.89E 2 2.3L
NAO V 29 10 25 45.5–1.2 67.63N 33.97E 2.3L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=2.6km s-min=9.3km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9.4km s-min=6.6km az=77.0. Mining explosion.

(366) Turkey

DDA V 29 11 02 00.8 40.19N 28.32E 7 2.7
¶15137009
DDA Event type kh.

(548) Poland

PRU V 29 19 25 27.9 50.08N 18.49E 0
CSEM V 29 19 25 24.6–.46 50.16N 18.68E 1 **¶12871053**
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=16.5km s-min=7.0km az=178.0.

(366) Turkey

ISC V 30 06 37 36.3–1.0 39.12N–.02 27.56E–.04 0 29 0-1
ISK V 30 06 37 35.6 39.13N 27.58E 20 2.7 **¶13840150**
ISCJB V 30 06 37 36.3–.62 39.13N–.03 27.54E–.05 0 2.7
DDA V 30 06 37 36.3 39.12N 27.55E 7 2.6
CSEM V 30 06 37 36.6–.28 39.13N 27.58E 1 2.6
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=6.1km s-min=3.7km az=12.8.
DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=7.0km s-min=4.2km az=100.0.

(721) Finland

HEL V 30 14 53 46.8–.20 67.90N 25.38E 0 1.0L
CSEM V 30 14 53 46.8 67.90N 25.38E 0 1.0L **¶14611389**
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=3.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(548) Poland

ISC V 30 20 27 15.7–1.9 51.37N–.10 16.20E–.06 0 21 1-3
PRU V 30 20 27 15.8 51.36N 16.23E 0 **¶12871065**
CSEM V 30 20 27 19.6 51.24N 16.17E 0
ISC Event type ki.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.

(547) Czech and Slovak Republics

CSEM V 30 22 38 59.6–1.1 49.95N 18.63E 1
PRU V 30 22 39 01.7 49.77N 18.54E 0 **¶12871067**
CSEM Event type ki. Error ellipse: s-maj=25.5km s-min=8.7km az=27.0.
PRU Event type ki.

(366) Turkey

DDA VI 01 09 09 41.4 39.10N 27.54E 7 2.5
CSEM VI 01 09 09 41.4 39.10N 27.54E 7 2.5 **¶15137085**
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.

(548) Poland

ISC VI 01 09 10 20.0–.62 51.60N–.03 16.11E–.02 0 206 1-60
IPEC VI 01 09 10 20.7–.35 51.58N 16.17E 1–2 3.1L **¶12906405**
ISCJB VI 01 09 10 20.0–.37 51.47N–.02 16.05E–.02 0 3.4b
IDC VI 01 09 10 21.8–.61 51.53N 15.92E 0 3.6,3.4
CSEM VI 01 09 10 21.0–.16 51.53N 16.07E 2 3.9L,3.4
PRU VI 01 09 10 22.0 51.51N 16.06E 0 3.9L,3.4
BGR VI 01 09 10 22.9–.31 51.45N 16.04E 1 3.3L,3.4
VIE VI 01 09 10 23.9–.37 51.31N 15.99E 0 3.2L,2.9b
WAR VI 01 09 10 23.2 51.49N 16.10E 3.2L,2.9b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.6km az=28.0.
ISCJB Event type sr. Error ellipse: s-maj=3.1km s-min=1.9km az=11.6.
IDC Error ellipse: s-maj=11.1km s-min=6.5km az=110.0.
CSEM Event type ki. Error ellipse: s-maj=3.1km s-min=1.8km az=11.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=11.0.
VIE Event type sr. Error ellipse: s-maj=2.4km s-min=1.6km az=12.0. 75 km WNW of Wroclaw . Suspected Mining induced.

(460) Wyoming

ISC VI 01 18 17 32.4–.66 43.51N–.01 105.33W–.02 0 133 0-20
IDC VI 01 18 17 30.3–2.9 43.30N 105.28W 0 3.6,3.4 **¶13680123**
ISCJB VI 01 18 17 32.4–.19 43.52N–.01 105.34W–.02 0 3.6,3.4
NEIC VI 01 18 17 32.9–.49 43.58N 105.21W 0 3.1L,3.4
ISC Event type sm.
IDC Error ellipse: s-maj=60.2km s-min=9.7km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.4km az=164.4.
NEIC Event type fm. Error ellipse: s-maj=6.7km s-min=6.0km az=190.0. 85 km [50 miles] SSE of Gillette. Suspected Mining explosion.

(547) Czech and Slovak Republics

CSEM VI 02 10 14 43.8–.46 48.85N 20.52E 1 2.0L
¶16438520
CSEM Event type sm. Error ellipse: s-maj=13.1km s-min=6.5km az=149.0. Suspected Mining explosion.

(366) Turkey

ISC VI 02 13 04 41.5–1.1 37.22N–.04 28.18E–.03 0 22 0-2
ISK VI 02 13 04 39.9 37.24N 28.17E 5 2.4 **¶13840253**
ISCJB VI 02 13 04 41.1–.69 37.19N–.05 28.16E–.04 0 2.4
CSEM VI 02 13 04 41.2–.22 37.19N 28.16E 2 2.8
DDA VI 02 13 04 44.3 37.44N 28.18E 7 2.8
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=6.7km s-min=4.5km az=168.9.
CSEM Event type ki. Error ellipse: s-maj=5.7km s-min=4.0km az=7.0.
DDA Event type kh.

(724) Baltic States - Belarus - Northwestern Russia

ISC VI 02 13 38 26.8–.89 59.82N–.04 24.20E–.04 0 21 0-10
ISCJB VI 02 13 38 26.8–.59 59.80N–.04 24.28E–.08 0 **¶13680225**
IDC VI 02 13 38 27.7–3.4 59.76N 24.45E 0 3.3,3.2
HEL VI 02 13 38 28.8–.10 59.84N 24.27E 0 1.8L,3.2
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=6.2km s-min=4.4km az=39.8.
IDC Error ellipse: s-maj=42.4km s-min=11.8km az=156.0.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0. Explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC VI 02 14 07 19.2–.73 59.83N–.03 24.22E–.03 0 60 0-10
ISCJB VI 02 14 07 19.5–.50 59.83N–.03 24.21E–.06 0 **¶13193768**
IDC VI 02 14 07 19.1–2.5 59.67N 24.49E 0 3.6,3.4
BER VI 02 14 07 20.7–3.2 59.74N 24.39E 0 2.2L,3.4
NAO VI 02 14 07 20.1–2.3 59.71N 24.44E 2.2L,3.4
HEL VI 02 14 07 21.2–.10 59.82N 24.25E 0 2.0L,3.4
CSEM VI 02 14 07 21.3–.22 59.92N 24.14E 2 2.0L,3.4
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.4km s-min=3.6km az=40.1.
IDC Error ellipse: s-maj=29.1km s-min=11.2km az=153.0.
BER Error ellipse: s-maj=21.1km s-min=28.1km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=5.9km s-min=3.2km az=153.0. Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC VI 02 14 21 47.1–.92 59.78N–.05 24.22E–.04 0 23 0-10
IDC VI 02 14 21 47.2–3.5 59.65N 24.54E 0 3.3,3.2 **¶13680227**
ISCJB VI 02 14 21 48.1–.58 59.82N–.03 24.27E–.07 0 3.3,3.2
HEL VI 02 14 21 49.6–.10 59.83N 24.27E 0 1.8L,3.2
ISC Event type kh.
IDC Error ellipse: s-maj=43.1km s-min=12.1km az=156.0.
ISCJB Event type kh. Error ellipse: s-maj=5.9km s-min=4.2km az=37.2.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0. Explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC VI 02 14 36 02.8–.82 59.81N–.03 24.26E–.04 0 41 0-10
IDC VI 02 14 36 01.2–3.2 59.53N 24.74E 0 3.1,3.0 **¶13193773**
ISCJB VI 02 14 36 02.2–.53 59.82N–.03 24.18E–.07 0 3.1,3.0
CSEM VI 02 14 36 03.2–.18 59.81N 24.24E 2 1.5L,3.0
BER VI 02 14 36 04.6–4.2 59.84N 24.11E 0 2.3L,3.0
HEL VI 02 14 36 04.2–.00 59.82N 24.23E 0 1.5L,3.0
NAO VI 02 14 36 06.4–2.0 60.00N 23.94E 2.3L,3.0
ISC Event type km.
IDC Error ellipse: s-maj=39.8km s-min=10.2km az=151.0.
ISCJB Event type km. Error ellipse: s-maj=5.7km s-min=4.1km az=41.3.
CSEM Event type km. Error ellipse: s-maj=4.9km s-min=3.3km az=126.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=35.3km s-min=39.7km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC VI 02 14 36 24.5–2.9 59.9N–.20 24.1E–.10 0 22 2-10
IDC VI 02 14 36 23.0–2.9 59.61N 24.60E 0 3.3,3.2 **¶13193774**
CSEM VI 02 14 36 24.8–2.3 59.98N 24.03E 1 2.3L,3.2
NAO VI 02 14 36 25.8–2.5 59.93N 23.90E 2.3L,3.2
BER VI 02 14 36 26.1–2.4 59.92N 23.92E 0 2.3L,3.2
ISC Event type sm.
IDC Error ellipse: s-maj=36.6km s-min=9.7km az=153.0.
CSEM Event type sm. Error ellipse: s-maj=89.0km s-min=10.1km az=149.0. Suspected Mining explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=20.7km s-min=21.6km az=-1.0. Suspected explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC VI 02 15 17 22.6–.69 59.82N–.03 22.32E–.02 0 121 1-10
ISCJB VI 02 15 17 22.7–.32 59.86N–.02 22.33E–.04 0 **¶13193780**
CSEM VI 02 15 17 23.9–.17 59.86N 22.32E 2 2.0L
BER VI 02 15 17 24.9–4.3 59.89N 22.33E 0 2.3L
NAO VI 02 15 17 24.4–1.6 59.94N 22.23E 2.3L
HEL VI 02 15 17 24.0–.10 59.81N 22.30E 0 2.3L,2.2L
IDC VI 02 15 17 24.5–1.7 59.81N 22.32E 0 3.2,3.1
UPP VI 02 15 17 25.4 59.82N 22.06E 0 2.3L,3.1
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.6km s-min=2.6km az=159.9.
CSEM Event type km. Error ellipse: s-maj=4.5km s-min=3.1km az=152.0. Mining explosion.
BER Error ellipse: s-maj=26.0km s-min=24.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=24.5km s-min=7.9km az=159.0.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC VI 03 00 30 35.5–1.3 51.49N–.06 16.04E–.03 0 48 1-4
ISCJB VI 03 00 30 34.1–.87 51.44N–.04 16.05E–.04 0 **¶12906420**
PRU VI 03 00 30 35.7 51.49N 16.05E 0
WAR VI 03 00 30 35.1 51.55N 16.10E
CSEM VI 03 00 30 35.2–.48 51.48N 16.04E 2 3.2L
VIE VI 03 00 30 37.1–.50 51.32N 16.05E 0 2.5L,1.8b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=6.0km s-min=3.3km az=13.6.
PRU Event type ki.
CSEM Event type ki.

VIE Event type sr. Error ellipse: s-maj=3.1km s-min=2.9km az=170.0. 71 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**VI**	**03 08 33 01.3–.71**	**59.83N–.02**	**22.31E–.02**	**0**		**80**	**1-10**
ISCJB	VI	03 08 33 01.3–.34	59.84N–.03	22.35E–.04	0			**¶13194810**
CSEM	VI	03 08 33 02.1–.15	59.87N	22.36E	2	2.1L		
HEL	VI	03 08 33 02.7–.10	59.82N	22.29E	0	2.5L,2.2L		
NAO	VI	03 08 33 03.2–1.7	59.94N	22.25E		2.3L,2.2L		
UPP	VI	03 08 33 03.8	59.82N	22.06E	0	2.5L,2.2L		
IDC	VI	03 08 33 03.2–1.7	59.89N	22.33E	0	3.1,3.0		
BER	VI	03 08 33 04.0–3.7	59.91N	22.25E	0	2.3L,3.0		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.0km s-min=2.9km az=175.5.
CSEM Event type km. Error ellipse: s-maj=4.7km s-min=3.0km az=179.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.4km az=-1.0. Explosion.
UPP Event type sm. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.2km s-min=7.0km az=157.0.
BER Error ellipse: s-maj=23.7km s-min=22.4km az=-1.0.

(366) Turkey

ISC	**VI**	**03 09 24 05.8–1.0**	**37.92N–.03**	**27.62E–.05**	**0**		**24**	**0-1**
ISCJB	VI	03 09 24 05.6–.54	37.91N–.03	27.61E–.07	0			**¶13840277**
CSEM	VI	03 09 24 05.7–.30	37.91N	27.61E	1	2.7		
DDA	VI	03 09 24 05.2	37.88N	27.56E	7	2.5		
ISK	VI	03 09 24 05.0	37.95N	27.64E	12	2.7		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=7.8km s-min=3.4km az=160.6.
CSEM Event type ki. Error ellipse: s-maj=11.4km s-min=4.4km az=66.0.
DDA Event type kh.

(548) Poland

ISC	**VI**	**04 00 59 05.6–1.0**	**51.49N–.05**	**16.06E–.02**	**0**		**67**	**1-5**
ISCJB	VI	04 00 59 04.2–.68	51.42N–.04	16.12E–.03	0			**¶12952823**
VIE	VI	04 00 59 05.8–.53	51.37N	16.02E	0	2.8L,2.1b		
WAR	VI	04 00 59 05.5	51.53N	16.17E		2.8L,2.1b		
CSEM	VI	04 00 59 05.0–.35	51.49N	16.09E	2	3.4L,2.1b		
PRU	VI	04 00 59 06.2	51.46N	16.09E	0	3.4L,2.1b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.2km s-min=2.8km az=9.4.
VIE Event type sr. Error ellipse: s-maj=3.5km s-min=2.8km az=5.0. 75 km WNW of Wroclaw . Suspected Mining induced.
CSEM Event type ki. Error ellipse: s-maj=6.3km s-min=3.4km az=177.0.
PRU Event type ki.

(548) Poland

ISC	**VI**	**04 06 24 25.1–2.1**	**51.35N–.10**	**16.06E–.05**	**0**		**23**	**1-3**
WAR	VI	04 06 24 22.8	51.53N	16.08E				**¶12952826**
ISCJB	VI	04 06 24 24.2–1.5	51.36N–.07	15.95E–.06	0			
CSEM	VI	04 06 24 24.4–1.5	51.36N	16.05E	2	2.9L		
PRU	VI	04 06 24 24.7	51.38N	16.09E	0	2.9L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=10.3km s-min=4.7km az=19.9.
CSEM Event type ki.
PRU Event type ki.

(548) Poland

ISC	**VI**	**04 13 32 04.3–1.1**	**51.52N–.06**	**16.14E–.02**	**0**		**46**	**1-4**
ISCJB	VI	04 13 32 01.9–.83	51.52N–.04	16.18E–.04	0			**¶12952830**
CSEM	VI	04 13 32 03.4–.50	51.54N	16.15E	1	3.8L		
PRU	VI	04 13 32 05.6	51.45N	16.15E	0	3.8L		
WAR	VI	04 13 32 05.3	51.50N	16.13E		3.8L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.5km s-min=3.1km az=9.7.
CSEM Event type ki. Error ellipse: s-maj=9.0km s-min=3.8km az=176.0.
PRU Event type ki.

(544) Switzerland

CSEM	**VI**	**04 13 36 00.1–.18**	**46.27N**	**8.55E**	**1**	**2.4**	
ROM	VI	04 13 35 59.8–.21	46.33N	8.55E	17	2.4,1.9L	**¶14370669**
GEN	VI	04 13 35 59.5	46.34N	8.60E	7	1.6L,1.9L	
ZUR	VI	04 13 36 00.7	46.30N	8.58E	4–2	1.8L,1.9L	

CSEM Event type sm. Error ellipse: s-maj=4.3km s-min=3.1km az=148.0. Suspected Mining explosion.
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=146.0.
ZUR Event type sm. Suspected Mining explosion.

(548) Poland

ISC	**VI**	**04 15 32 27.7–.61**	**51.53N–.02**	**16.06E–.02**	**0**		**161**	**1-60**
ISCJB	VI	04 15 32 25.7–.41	51.51N–.02	16.07E–.02	0	3.2b		**¶12952831**
IDC	VI	04 15 32 27.7–.76	51.52N	16.07E	0	3.5,3.4b		
CSEM	VI	04 15 32 27.7–.17	51.49N	16.08E	2	3.7L,3.4b		
WAR	VI	04 15 32 28.3	51.53N	16.07E		3.7L,3.4b		
BGR	VI	04 15 32 29.3–.29	51.42N	16.07E	1	3.1L,3.4b		
VIE	VI	04 15 32 30.6–.41	51.25N	16.07E	0	3.1L,2.8b		
PRU	VI	04 15 32 30.3	51.43N	15.99E	0	3.1L,2.8b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.4km s-min=2.1km az=15.6.
IDC Error ellipse: s-maj=10.3km s-min=7.9km az=111.0.
CSEM Event type ki. Error ellipse: s-maj=3.4km s-min=2.2km az=14.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=11.0.
VIE Event type sr. Error ellipse: s-maj=2.7km s-min=2.2km az=171.0. 67 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(548) Poland

ISC	**VI**	**04 19 50 53.2–.81**	**50.07N–.04**	**19.14E–.02**	**0**		**44**	**0-4**
ISCJB	VI	04 19 50 51.7–.56	50.15N–.05	19.09E–.03	0			**¶12952834**
CSEM	VI	04 19 50 53.1–.56	50.10N	19.13E	2	2.6L		
PRU	VI	04 19 50 53.9	50.12N	19.13E	0	2.6L		
WAR	VI	04 19 50 54.4	50.10N	19.22E		2.6L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.8km s-min=2.5km az=8.9.
CSEM Event type ki. Error ellipse: s-maj=13.8km s-min=4.9km az=16.0.
PRU Event type ki.

(548) Poland

ISC	**VI**	**05 15 56 28.4–1.2**	**51.43N–.05**	**16.05E–.03**	**0**		**46**	**1-3**
ISCJB	VI	05 15 56 26.9–.86	51.43N–.04	16.05E–.04	0			**¶12952842**
WAR	VI	05 15 56 27.3	51.53N	16.10E				
CSEM	VI	05 15 56 28.3–.49	51.43N	16.05E	2	3.3L		
PRU	VI	05 15 56 29.2	51.42N	16.05E	0	3.3L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=3.2km az=20.0.
CSEM Event type ki. Error ellipse: s-maj=8.1km s-min=4.5km az=10.0.
PRU Event type ki.

(548) Poland

ISC	**VI**	**05 16 22 32.6–.87**	**50.11N–.04**	**19.05E–.02**	**0**		**47**	**0-4**
ISCJB	VI	05 16 22 31.5–.51	50.14N–.04	19.00E–.03	0			**¶12952843**
PRU	VI	05 16 22 32.6	50.17N	19.02E	0			
WAR	VI	05 16 22 33.5	50.11N	19.11E				
CSEM	VI	05 16 22 33.2–.34	50.08N	18.99E	2			

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.4km s-min=2.5km az=8.3.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=8.4km s-min=4.4km az=11.0.

(548) Poland

ISC	**VI**	**07 07 50 29.7–1.1**	**51.42N–.05**	**16.03E–.02**	**0**		**54**	**1-4**
ISCJB	VI	07 07 50 27.9–.73	51.40N–.04	16.07E–.03	0			**¶12952871**
IPEC	VI	07 07 50 28.5–.25	51.48N	16.15E	4–1	2.1L		
WAR	VI	07 07 50 28.7	51.50N	16.09E		2.1L		
CSEM	VI	07 07 50 29.0–.46	51.41N	16.07E	2	3.2L		
PRU	VI	07 07 50 29.9	51.41N	16.10E	0	3.2L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.6km s-min=2.9km az=14.8.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=0.7km az=38.0.
CSEM Event type ki. Error ellipse: s-maj=7.8km s-min=4.1km az=8.0.
PRU Event type ki.

(460) Wyoming

ISC	**VI**	**07 18 30 14.2–.65**	**43.73N–.02**	**105.40W–.03**	**0**		**47**	**0-82**
ISCJB	VI	07 18 30 14.9–.36	43.71N–.03	105.32W–.04	0	4.1b,3.2s		**¶13680797**
NEIC	VI	07 18 30 15.2–.60	44.10N	105.82W	0	3.4L,3.2s		
IDC	VI	07 18 30 15.6–.87	44.08N	105.87W	0	4.0b,3.8		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.4km s-min=3.5km az=22.2.
NEIC Event type fm. Error ellipse: s-maj=10.6km s-min=7.7km az=130.0. 35 km [20 miles] SW of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.9km s-min=9.7km az=140.0.

(366) Turkey

ISC	**VI**	**08 07 17 47.6–.79**	**37.28N–.02**	**28.22E–.02**	**0**		**41**	**0-2**
ISK	VI	08 07 17 46.7	37.29N	28.21E	4	2.7		**¶13840439**
ISCJB	VI	08 07 17 47.6–.43	37.26N–.03	28.21E–.03	0	2.7		
DDA	VI	08 07 17 47.5	37.24N	28.16E	7	2.6		
CSEM	VI	08 07 17 47.8–.21	37.24N	28.20E	1	2.7		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.3km s-min=3.1km az=137.0.
DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=5.6km s-min=3.6km az=45.0.

(366) Turkey

ISC	**VI**	**08 07 35 41.0–1.4**	**39.11N–.05**	**27.53E–.04**	**0**		**20**	**0-1**
ISCJB	VI	08 07 35 40.5–1.0	39.13N–.05	27.52E–.05	0			**¶15137239**
DDA	VI	08 07 35 40.9	39.08N	27.56E	7	2.7		
CSEM	VI	08 07 35 40.9	39.08N	27.56E	7	2.7		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.0km s-min=5.1km az=150.3.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.

(548) Poland

ISC	**VI**	**08 11 24 33.1–1.3**	**51.47N–.06**	**16.04E–.03**	**0**		**37**	**1-3**
ISCJB	VI	08 11 24 30.6–1.1	51.51N–.05	16.07E–.05	0			**¶13048522**
WAR	VI	08 11 24 32.6	51.55N	16.14E				
CSEM	VI	08 11 24 32.4–.52	51.50N	16.06E	1	3.3L		
PRU	VI	08 11 24 34.2	51.44N	16.07E	0	3.3L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.6km s-min=3.7km az=14.1.
CSEM Event type ki. Error ellipse: s-maj=8.3km s-min=4.0km az=5.0.
PRU Event type ki.

(366) Turkey

DDA	**VI**	**08 12 00 52.5**	**39.13N**	**27.55E**	**7**	**2.6**		
CSEM	VI	08 12 00 52.5	39.13N	27.55E	7	2.6		**¶15137228**

DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**VI**	**08 14 39 55.9–.84**	**59.82N–.03**	**22.31E–.03**	**0**		**60**	**1-10**
ISCJB	VI	08 14 39 55.7–.54	59.83N–.03	22.29E–.05	0			**¶13680902**
HEL	VI	08 14 39 57.3–.20	59.80N	22.29E	0	1.6L,1.2L		
CSEM	VI	08 14 39 57.0–.50	59.80N	22.29E	2	1.6L,1.2L		
IDC	VI	08 14 39 57.5–1.8	59.89N	22.35E	0	2.8,2.7		
UPP	VI	08 14 39 59.3	59.89N	22.56E	0	1.2L,2.7		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.8km s-min=3.9km az=12.2.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=11.0km s-min=8.5km az=24.0. Mining explosion.
IDC Error ellipse: s-maj=27.4km s-min=6.7km az=158.0.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC	**VI**	**08 15 59 33.0–.79**	**51.54N–.03**	**16.17E–.02**	**0**		**154**	**1-5**
IPEC	VI	08 15 59 33.3–.30	51.60N	16.18E	0	2.6L		**¶13048525**
ISCJB	VI	08 15 59 33.3–.45	51.44N–.02	16.07E–.03	0	2.6L		
PRU	VI	08 15 59 34.0	51.53N	16.19E	0	2.6L		
CSEM	VI	08 15 59 34.0–.18	51.51N	16.11E	2	3.5L		
WAR	VI	08 15 59 35.4	51.50N	16.09E		3.5L		
BGR	VI	08 15 59 35.3–.33	51.50N	16.10E	1	3.0L		
VIE	VI	08 15 59 37.3–.42	51.22N	16.16E	0	2.9L,2.5b		

ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.6km az=34.0.
ISCJB Event type sr. Error ellipse: s-maj=3.6km s-min=2.1km az=17.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=3.3km s-min=2.1km az=19.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=13.0.
VIE Event type sr. Error ellipse: s-maj=2.9km s-min=2.7km az=101.0. 61 km WNW of Wroclaw . Suspected Mining induced.

(460) Wyoming

ISC	**VI**	**08 21 32 12.2–.69**	**43.73N–.02**	**105.32W–.02**	**0**		**135**	**0-11**
NEIC	VI	08 21 32 11.5–.63	43.73N	105.31W	0	3.0L		**¶14785475**
ISCJB	VI	08 21 32 12.4–.19	43.76N–.01	105.34W–.02	0	3.0L		

ISC Event type sm.
NEIC Event type fm. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
ISCJB Event type fm.

(548) Poland

PRU	**VI**	**09 05 46 47.3**	**50.29N**	**18.79E**	**0**			
CSEM	VI	09 05 46 47.8	50.26N	18.79E	0			**¶13048535**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**VI**	**09 08 36 15.1–.89**	**59.82N–.04**	**22.30E–.03**	**0**		**52**	**1-10**
ISCJB	VI	09 08 36 15.2–.52	59.85N–.05	22.30E–.05	0			**¶13681032**
CSEM	VI	09 08 36 15.8–.25	59.89N	22.38E	2	2.2L		
IDC	VI	09 08 36 15.9–3.3	59.75N	22.38E	0	2.9,2.8		
HEL	VI	09 08 36 16.4–.10	59.81N	22.29E	0	2.2L,1.9L		
UPP	VI	09 08 36 19.0	59.82N	21.86E	0	2.2L,1.9L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.0km s-min=3.7km az=168.8.
CSEM Event type km. Error ellipse: s-maj=6.9km s-min=4.1km az=162.0. Mining explosion.
IDC Error ellipse: s-maj=50.0km s-min=13.9km az=162.0.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.5km az=-1.0. Explosion.
UPP Event type sm. Suspected Mining explosion.

(547) Czech and Slovak Republics

ISC	**VI**	**09 15 51 28.6–.73**	**49.98N–.03**	**18.59E–.02**	**0**		**72**	**0-4**
ISCJB	VI	09 15 51 27.5–.39	50.03N–.03	18.55E–.03	0			**¶13048539**
IPEC	VI	09 15 51 28.6–.18	49.96N	18.70E	2–3	2.2L		
CSEM	VI	09 15 51 28.8–.21	49.97N	18.56E	2	2.9L		
WAR	VI	09 15 51 28.4	49.99N	18.65E		2.9L		
PRU	VI	09 15 51 29.9	49.97N	18.56E	0	2.9L		
VIE	VI	09 15 51 30.4–.52	49.71N	18.53E	0	2.6L,1.8b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.5km s-min=2.2km az=11.0.
IPEC Event type ki. Error ellipse: s-maj=7.6km s-min=1.1km az=158.0.
CSEM Event type ki. Error ellipse: s-maj=5.5km s-min=2.9km az=8.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.3km s-min=2.1km az=84.0. 24 km ESE of Ostrava . Suspected Mining induced.

(460) Wyoming

ISC	**VI**	**09 21 59 56.2–.58**	**43.69N–.02**	**105.29W–.02**	**0**	**3.7b**	**164**	**0-90**
IDC	VI	09 21 59 55.3–2.2	43.53N	105.23W	0	3.8,3.7		**¶13681078**
ISCJB	VI	09 21 59 56.3–.21	43.75N–.01	105.29W–.02	0	3.7b,3.7		
NEIC	VI	09 21 59 56.6–.31	43.72N	105.13W	0	3.1L,3.7		

ISC Event type sm.
IDC Error ellipse: s-maj=66.4km s-min=8.5km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=2.3km s-min=2.0km az=172.0.
NEIC Event type fm. Error ellipse: s-maj=4.3km s-min=4.0km az=139.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**VI**	**10 06 25 58.4–1.1**	**51.49N–.05**	**16.08E–.03**	**0**		**59**	**1-19**
ISCJB	VI	10 06 25 56.3–.78	51.49N–.04	16.07E–.04	0			**¶13048551**
CSEM	VI	10 06 25 57.6–.51	51.51N	16.05E	2	3.4L		
PRU	VI	10 06 25 58.8	51.49N	16.07E	0	3.4L		
VIE	VI	10 06 25 59.6–.42	51.34N	16.14E	0	2.6L,2.2b		
WAR	VI	10 06 25 59.2	51.49N	16.09E		2.6L,2.2b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.4km s-min=3.3km az=11.0.

CSEM Event type ki. Error ellipse: s-maj=8.2km s-min=4.8km az=3.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.6km s-min=2.5km az=169.0. 66 km WNW of Wroclaw . Suspected Mining induced.

(546) Austria

ISC	**VI**	**10 09 42 17.8–.85**	**47.57N–.03**	**13.17E–.02**	**0**		**32**	**1-2**
ISCJB	VI	10 09 42 16.5–.47	47.58N–.03	13.16E–.04	0			**¶13048553**
CSEM	VI	10 09 42 17.3–.15	47.57N	13.17E	1	2.6L		
VIE	VI	10 09 42 17.1–.11	47.58N	13.16E	0	2.1L,1.6b		
PRU	VI	10 09 42 18.9	47.56N	13.29E	0	2.1L,1.6b		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.9km s-min=3.1km az=154.2.
CSEM Event type km. Error ellipse: s-maj=3.9km s-min=2.5km az=153.0. Mining explosion.
VIE Event type km. Error ellipse: s-maj=0.9km s-min=0.8km az=145.0. 3 km SSW of Golling . Mining explosion.

(383) Northwestern Balkan Peninsula

CSEM	**VI**	**10 10 03 41.1**	**45.97N**	**15.47E**	**0**	**0.8L**		
								¶16438857

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After LJU.

(548) Poland

ISC	**VI**	**10 14 05 33.2–.77**	**50.09N–.04**	**19.11E–.02**	**0**		**59**	**0-4**
ISCJB	VI	10 14 05 31.0–.47	50.18N–.03	19.02E–.03	0			**¶13048557**
CSEM	VI	10 14 05 32.3–.28	50.18N	19.06E	2	3.0L		
PRU	VI	10 14 05 33.2	50.17N	19.06E	0	3.0L		
WAR	VI	10 14 05 33.4	50.09N	19.17E		3.0L		
IPEC	VI	10 14 05 33.3–.18	50.06N	19.16E	0	2.4L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.1km s-min=2.2km az=10.7.
CSEM Event type ki. Error ellipse: s-maj=7.5km s-min=2.8km az=3.0.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=7.8km s-min=1.1km az=159.0.

(460) Wyoming

ISC	**VI**	**10 17 57 19.2–.52**	**43.71N–.02**	**105.33W–.02**	**0**	**3.9b**	**145**	**0-90**
ISCJB	VI	10 17 57 19.0–.18	43.72N–.01	105.32W–.02	0	3.8b		**¶13681117**
IDC	VI	10 17 57 18.4–1.8	43.63N	105.39W	0	3.8b,3.8		
NEIC	VI	10 17 57 19.6–.39	43.78N	105.30W	0	3.5L,3.8		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.8km az=157.7.
IDC Error ellipse: s-maj=49.2km s-min=7.1km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=6.2km s-min=4.9km az=166.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

HEL	**VI**	**10 19 02 30.6–.40**	**67.75N**	**33.84E**	**0**	**1.4L**		
								¶14726232

HEL Event type kh. Error ellipse: s-maj=1.7km s-min=2.6km az=-1.0. Explosion.

(548) Poland

ISC	**VI**	**10 19 16 16.5–.52**	**51.55N–.02**	**16.11E–.02**	**0**	**3.4b**	**221**	**1-60**
ISCJB	VI	10 19 16 15.5–.27	51.52N–.02	16.08E–.02	0	3.4b		**¶13048564**
IPEC	VI	10 19 16 17.0–.88	51.60N	16.25E	3–4	3.1L		
CSEM	VI	10 19 16 17.0–.17	51.56N	16.11E	2	3.9L		
IDC	VI	10 19 16 17.9–.51	51.56N	16.06E	0	3.6,3.5		
BGR	VI	10 19 16 18.6–.37	51.52N	16.10E	1	3.5L,3.5		
PRU	VI	10 19 16 18.2	51.53N	16.07E	0	3.5L,3.5		
WAR	VI	10 19 16 19.2	51.50N	16.09E		3.5L,3.5		
VIE	VI	10 19 16 19.5–.37	51.34N	16.10E	0	3.1L,3.1b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.3km s-min=1.7km az=5.7.
IPEC Event type ki. Error ellipse: s-maj=4.8km s-min=3.9km az=21.0.
CSEM Event type ki. Error ellipse: s-maj=3.5km s-min=2.3km az=9.0.
IDC Error ellipse: s-maj=9.7km s-min=5.5km az=103.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=18.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.5km s-min=1.6km az=4.0. 69 km WNW of Wroclaw . Suspected Mining induced.

(723) Finland-Karelia border region

ISC	**VI**	**11 11 14 50.8–1.2**	**61.00N–.05**	**28.97E–.06**	**0**		**31**	**1-9**
ISCJB	VI	11 11 14 49.3–.97	61.09N–.04	29.00E–.09	0			**¶13196210**
HEL	VI	11 11 14 51.4–.90	60.92N	29.13E	0	1.7L		
CSEM	VI	11 11 14 52.6–.42	61.00N	28.78E	1	1.7L		
NAO	VI	11 11 14 53.7–2.2	61.09N	28.92E		2.0L		
IDC	VI	11 11 14 54.1–2.0	61.08N	28.93E	0	3.0,2.9		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.5km s-min=4.9km az=136.8.
HEL Event type kh. Error ellipse: s-maj=4.4km s-min=8.1km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=8.2km s-min=5.5km az=135.0. Mining explosion.
IDC Error ellipse: s-maj=19.6km s-min=12.8km az=140.0.

(366) Turkey

ISC	**VI**	**11 11 58 16.2–.81**	**39.44N–.03**	**28.09E–.02**	**0**		**57**	**0-2**
ISCJB	VI	11 11 58 16.6–.45	39.45N–.03	28.12E–.03	0			**¶13840539**
CSEM	VI	11 11 58 16.6–.16	39.44N	28.12E	1	2.8		
DDA	VI	11 11 58 16.9	39.50N	28.15E	8	2.8		
ISK	VI	11 11 58 16.3	39.41N	28.11E	6	2.9		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.7km s-min=2.9km az=35.0.
CSEM Event type ki. Error ellipse: s-maj=3.9km s-min=2.5km az=33.0.
DDA Event type kh.

(37) Nevada

ISC	**VI**	**11 21 35 04.6–.77**	**41.07N–.03**	**116.47W–.03**	**0**		**37**	**1-16**
ISCJB	VI	11 21 35 03.9–.38	41.05N–.03	116.50W–.04	0			**¶13681187**
NEIC	VI	11 21 35 04.7–.42	41.01N	116.52W	0	2.5L		
IDC	VI	11 21 35 05.4–1.8	41.05N	116.43W	0	3.1,3.0		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=3.6km az=135.6.
NEIC Event type fm. Error ellipse: s-maj=6.6km s-min=5.2km az=140.0. 55 km [35 miles] NE of Battle Mountain. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.6km s-min=7.2km az=144.0.

(721) Finland

HEL	**VI**	**12 09 46 31.0–.90**	**62.42N**	**26.05E**	**0**	**1.0L**		
CSEM	VI	12 09 46 31.0	62.42N	26.05E	0	1.0L		**¶14726284**

HEL Event type kh. Error ellipse: s-maj=4.5km s-min=10.4km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(536) Sweden

ISC	**VI**	**12 17 02 01.6–.84**	**67.07N–.02**	**20.94E–.04**	**0**		**65**	**1-8**
UPP	VI	12 17 02 00.9	67.07N	20.93E	0	2.0L		**¶13196452**
ISCJB	VI	12 17 02 00.2–.42	67.08N–.03	20.96E–.09	0	2.0L		
CSEM	VI	12 17 02 01.6–.20	67.13N	20.90E	2	2.0L		
HEL	VI	12 17 02 01.6–.20	67.08N	20.79E	0	2.0L,1.9L		
NAO	VI	12 17 02 02.2–1.1	67.13N	21.07E		2.5L,1.9L		
IDC	VI	12 17 02 03.0–.88	67.18N	21.09E	0	3.0,2.9		

ISC Event type km.
UPP Event type km. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=5.0km s-min=3.4km az=20.1.
CSEM Event type km. Error ellipse: s-maj=5.9km s-min=3.6km az=108.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0. Explosion.
IDC Error ellipse: s-maj=15.3km s-min=6.9km az=115.0.

(460) Wyoming

ISC	**VI**	**12 18 02 59.0–.63**	**43.76N–.02**	**105.33W–.02**	**0**		**173**	**0-90**
ISCJB	VI	12 18 02 58.7–.17	43.77N–.01	105.32W–.02	0	4.0b		**¶13681238**
IDC	VI	12 18 02 59.8–1.7	43.97N	105.63W	0	3.9,3.8b		
NEIC	VI	12 18 02 59.6–.30	43.82N	105.27W	0	3.3L,3.8b		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.9km az=150.5.
IDC Error ellipse: s-maj=54.4km s-min=9.0km az=147.0.
NEIC Event type fm. Error ellipse: s-maj=4.0km s-min=3.9km az=121.0. 55 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(456) Montana

ISC	**VI**	**12 20 18 51.2–.70**	**45.11N–.02**	**106.90W–.02**	**0**		**98**	**0-18**
ISCJB	VI	12 20 18 51.6–.20	45.12N–.02	106.91W–.02	0			**¶13681243**
NEIC	VI	12 20 18 51.8–.84	45.20N	106.80W	0	2.8L		
IDC	VI	12 20 18 51.9–1.2	44.62N	106.43W	0	3.6,3.4		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.4km s-min=2.2km az=153.8.
NEIC Event type fm. Error ellipse: s-maj=11.5km s-min=10.0km az=204.0. 45 km [30 miles] NNE of Sheridan. Suspected Mining explosion.
IDC Error ellipse: s-maj=42.8km s-min=8.4km az=139.0.

(366) Turkey

DDA	**VI**	**13 07 41 56.0**	**39.11N**	**27.55E**	**5**	**2.6**		
CSEM	VI	13 07 41 56.0	39.11N	27.55E	5	2.6		**¶13840599**

DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.

(460) Wyoming

ISC	**VI**	**13 18 01 34.3–.61**	**43.73N–.02**	**105.34W–.03**	**0**		**100**	**0-82**
ISCJB	VI	13 18 01 33.6–.24	43.70N–.02	105.31W–.03	0	4.1b		**¶13681301**
NEIC	VI	13 18 01 34.5–.33	43.75N	105.25W	0	3.4L		
IDC	VI	13 18 01 35.6–.83	44.00N	105.74W	0	4.0b,3.8		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.8km s-min=2.5km az=139.2.
NEIC Event type fm. Error ellipse: s-maj=4.9km s-min=3.9km az=154.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.8km s-min=7.7km az=147.0.

(536) Sweden

ISC	**VI**	**13 23 53 04.1–.77**	**67.15N–.02**	**20.64E–.03**	**0**		**67**	**1-8**
UPP	VI	13 23 53 04.9	67.17N	20.66E	1	1.2L		**¶13196690**
ISCJB	VI	13 23 53 04.3–.65	67.17N–.03	20.9E–.10	0	1.2L		
HEL	VI	13 23 53 05.3–.10	67.17N	20.62E	0	1.7L,1.2L		
NAO	VI	13 23 53 05.5–1.3	67.15N	20.99E		2.1L,1.2L		
CSEM	VI	13 23 53 05.4–.22	67.18N	20.84E	2	1.2L,1.2L		
BER	VI	13 23 53 07.5–3.3	67.18N	20.77E	0	2.6L,2.1L		

ISC Event type km.
UPP Event type km. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=5.7km s-min=4.1km az=7.6.
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=4.9km s-min=3.3km az=93.0. Mining explosion.
BER Event type sh. Error ellipse: s-maj=6.9km s-min=32.5km az=-1.0. Suspected explosion.

(535) Southern Norway

ISC	**VI**	**14 14 06 45.1–1.3**	**62.89N–.06**	**5.76E–.06**	**0**		**72**	**2-10**
ISCJB	VI	14 14 06 44.8–.92	62.71N–.04	5.9E–.10	0			**¶13196792**
IDC	VI	14 14 06 45.6–1.9	62.72N	5.64E	0	3.4,3.3		
BER	VI	14 14 06 48.8	62.82N	5.68E	17	3.0L,2.9L		
NAO	VI	14 14 06 49.8–5.7	62.66N	5.99E	12–25	3.0L,2.9L		
CSEM	VI	14 14 06 49.5–.48	62.61N	6.16E	2	2.9L,2.9L		
UPP	VI	14 14 06 52.2	62.74N	6.50E	0	1.8L,2.9L		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=9.7km s-min=4.1km az=33.4.
IDC Error ellipse: s-maj=17.4km s-min=13.4km az=60.0.
NAO Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
CSEM Event type sm. Error ellipse: s-maj=10.2km s-min=5.1km az=129.0. Suspected Mining explosion.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

PRU	**VI**	**15 00 47 14.1**	**50.26N**	**18.95E**	**0**			
CSEM	VI	15 00 47 13.1–1.2	50.32N	18.94E	1			**¶13196870**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=17.0km s-min=13.2km az=52.0.

(548) Poland

ISC	**VI**	**15 11 44 48.6–.86**	**50.32N–.05**	**18.79E–.02**	**0**		**42**	**1-4**
ISCJB	VI	15 11 44 47.6–.59	50.32N–.04	18.71E–.03	0			**¶13196931**
IPEC	VI	15 11 44 48.8–.41	50.22N	18.84E	1–1	1.9L		
CSEM	VI	15 11 44 48.4–.28	50.31N	18.72E	2	2.7L		
WAR	VI	15 11 44 48.7	50.28N	18.83E		2.7L		
PRU	VI	15 11 44 49.2	50.23N	18.75E	0	2.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.4km s-min=2.8km az=7.6.
IPEC Event type ki. Error ellipse: s-maj=10.3km s-min=1.2km az=161.0.
CSEM Event type ki. Error ellipse: s-maj=6.7km s-min=3.0km az=11.0.
PRU Event type ki.

(374) Jordan - Syria region

ISC	**VI**	**15 12 23 20.7–.82**	**37.01N–.03**	**38.66E–.03**	**0**		**32**	**1-2**
NSSC	VI	15 12 23 19.2–2.1	37.31N	38.64E	17–22	2.0L,1.5		**¶13928661**
CSEM	VI	15 12 23 20.8–.45	36.92N	38.55E	1	2.7,1.5		
ISCJB	VI	15 12 23 21.9–.53	37.04N–.03	38.76E–.04	0	2.7,1.5		
DDA	VI	15 12 23 24.5	37.16N	38.71E	7	2.7,1.5		

ISC Event type kh.
NSSC Error ellipse: s-maj=20.7km s-min=8.0km az=-1.0.
CSEM Event type ki. Error ellipse: s-maj=12.5km s-min=8.6km az=41.0.
ISCJB Event type kh. Error ellipse: s-maj=6.0km s-min=3.6km az=138.5.
DDA Event type kh.

(548) Poland

PRU	**VI**	**15 13 45 44.1**	**50.19N**	**19.29E**	**0**	**4.7**		
								¶13196948

PRU Event type ki.

(548) Poland

ISC	**VI**	**15 17 06 07.3–1.1**	**51.45N–.05**	**16.07E–.02**	**0**		**61**	**1-4**
ISCJB	VI	15 17 06 04.8–.72	51.45N–.04	16.10E–.03	0			**¶13196978**
CSEM	VI	15 17 06 05.9–.47	51.49N	16.09E	2	3.3L		
PRU	VI	15 17 06 07.3	51.46N	16.08E	0	3.3L		
VIE	VI	15 17 06 08.0–.70	51.34N	16.03E	0	2.7L,2.2b		
WAR	VI	15 17 06 07.2	51.48N	16.11E		2.7L,2.2b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.3km s-min=3.0km az=8.3.
CSEM Event type ki. Error ellipse: s-maj=7.9km s-min=4.8km az=176.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=6.0km s-min=3.7km az=10.0. 73 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC	**VI**	**15 17 34 26.4–1.1**	**51.49N–.05**	**16.08E–.03**	**0**		**60**	**1-4**
ISCJB	VI	15 17 34 24.2–.78	51.49N–.04	16.09E–.04	0			**¶13196983**
CSEM	VI	15 17 34 25.1–.31	51.52N	16.07E	2	3.4L		
WAR	VI	15 17 34 26.6	51.51N	16.12E		3.4L		
PRU	VI	15 17 34 27.1	51.46N	16.07E	0	3.4L		
VIE	VI	15 17 34 28.9–.88	51.30N	15.97E	0	2.6L,2.2b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.8km s-min=3.2km az=13.3.
CSEM Event type ki. Error ellipse: s-maj=5.4km s-min=4.8km az=9.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=6.7km s-min=4.5km az=20.0. 76 km WNW of Wroclaw . Suspected Mining induced.

(460) Wyoming

ISC	**VI**	**15 19 04 03.0–.55**	**43.77N–.02**	**105.32W–.02**	**0**	**3.9b**	**162**	**0-90**
ISCJB	VI	15 19 04 02.3–.17	43.75N–.01	105.31W–.02	0	3.9b		**¶13681448**
NEIC	VI	15 19 04 02.8–.34	43.79N	105.19W	0	3.4L		
IDC	VI	15 19 04 04.2–.95	44.03N	105.69W	0	3.8,3.8b		

ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.6km az=152.2.
NEIC Event type fm. Error ellipse: s-maj=4.9km s-min=4.4km az=182.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.6km s-min=8.3km az=146.0.

(366) Turkey

DDA	**VI**	**16 09 00 31.6**	**39.14N**	**27.54E**	**7**	**2.6**		
CSEM	VI	16 09 00 31.6	39.14N	27.54E	7	2.6		**¶15137478**

DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.

(336) Western Kazakhstan

NNC	**VI**	**16 10 49 08.6–2.4**	**53.22N**	**63.86E**	**0**	**3.5b,3.1**		
CSEM	VI	16 10 49 08.6	53.22N	63.86E	0	3.5b,3.1		**¶13840695**

NNC Error ellipse: s-maj=36.3km s-min=10.5km az=157.0.
CSEM Event type si. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NNC.

(537) Baltic Sea

ISC	**VI**	**16 11 01 52.4–.82**	**55.92N–.04**	**17.21E–.04**	**0**		**56**	**2-10**

ISCJB VI 16 11 01 52.1–.82 55.84N–.08 17.37E–.09 0 ¶13197096
UPP VI 16 11 01 53.4 55.75N 17.13E 0 2.3L
CSEM VI 16 11 01 53.5–.22 55.77N 17.21E 1 3.0L
HEL VI 16 11 01 54.7–.30 55.86N 17.12E 0 3.0L,2.3L
BER VI 16 11 01 56.5–1.9 55.89N 17.06E 0 2.3L,2.3L
NAO VI 16 11 01 58.4–3.0 56.08N 17.19E 2.3L,2.3L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=12.5km s-min=4.5km az=148.6.
UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=6.7km s-min=3.5km az=147.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=3.4km s-min=2.4km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=13.5km s-min=16.3km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.

(366) Turkey

ISC VI 16 12 24 08.2–.79 39.66N–.02 29.45E–.02 0 50 0-2
ISCJB VI 16 12 24 08.0–.34 39.67N–.02 29.46E–.03 0 ¶15137471
DDA VI 16 12 24 07.8 39.65N 29.46E 7 2.8
CSEM VI 16 12 24 07.8 39.65N 29.46E 7 2.8
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.2km s-min=2.9km az=4.7.
DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.

(366) Turkey

ISC VI 16 12 42 37.6–.81 38.71N–.03 36.10E–.02 0 33 0-2
DDA VI 16 12 42 36.9 38.70N 36.09E 5 2.5 ¶13840762
ISCJB VI 16 12 42 37.4–.48 38.70N–.04 36.08E–.03 0 2.5
ISK VI 16 12 42 37.0 38.71N 36.11E 9 2.6
CSEM VI 16 12 42 37.4–.36 38.71N 36.09E 2 2.5
ISC Event type kh.
DDA Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=5.8km s-min=3.4km az=24.4.
CSEM Event type ki. Error ellipse: s-maj=9.8km s-min=6.9km az=13.0.

(366) Turkey

ISC VI 16 13 19 09.9–1.1 37.94N–.02 29.03E–.03 0 36 0-1
ISK VI 16 13 19 08.0 37.89N 29.06E 23 2.6 ¶13840765
ISCJB VI 16 13 19 09.7–.48 37.94N–.02 29.02E–.04 0 2.6
CSEM VI 16 13 19 09.9–.15 37.94N 29.05E 1 2.6
DDA VI 16 13 19 09.7 37.94N 29.01E 14 2.6
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.7km s-min=3.1km az=8.0.
CSEM Event type ki. Error ellipse: s-maj=3.6km s-min=2.3km az=103.0.
DDA Event type kh.

(536) Sweden

ISC VI 16 14 59 19.9–.91 56.15N–.04 16.70E–.04 0 82 1-14
ISCJB VI 16 14 59 19.4–.65 56.17N–.05 16.81E–.08 0 ¶13197133
CSEM VI 16 14 59 20.5–.25 56.11N 16.74E 1 3.0L
UPP VI 16 14 59 20.8 56.06N 16.60E 0 2.4L
HEL VI 16 14 59 21.2–.20 56.14N 16.68E 0 3.0L,2.4L
BER VI 16 14 59 22.9–2.4 56.16N 16.71E 0 2.3L,2.4L
NAO VI 16 14 59 24.6–2.8 56.34N 16.77E 2.3L,2.4L
IDC VI 16 14 59 24.1–2.4 56.32N 16.73E 0 3.1,3.0
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=8.5km s-min=4.0km az=137.9.
CSEM Event type km. Error ellipse: s-maj=6.7km s-min=3.2km az=144.0. Mining explosion.
UPP Event type km. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=1.5km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=14.3km s-min=14.7km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=22.8km s-min=13.3km az=15.0.

(543) Germany

ISC VI 16 15 09 25.7–.79 49.37N–.02 6.83E–.02 0 58 0-3
ISCJB VI 16 15 09 24.8–.40 49.36N–.02 6.80E–.03 0 ¶13197135
STR VI 16 15 09 25.7–.32 49.37N 6.76E 1 2.5L
BGR VI 16 15 09 25.9–.46 49.34N 6.82E 1 1.7L
CSEM VI 16 15 09 25.7–.12 49.37N 6.81E 1 2.4L
LDG VI 16 15 09 26.2–.05 49.39N 6.84E 1 2.5L,2.4
ISC Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=3.1km s-min=2.6km az=170.5.
STR Event type ke.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=4.4km az=35.0.
CSEM Event type ki. Error ellipse: s-maj=2.3km s-min=2.0km az=80.0.
LDG Event type sr. Error ellipse: s-maj=0.9km s-min=0.7km az=76.0. Suspected Mining induced.

(548) Poland

ISC VI 16 17 05 32.8–1.9 51.45N–.09 16.15E–.05 0 34 1-3
ISCJB VI 16 17 05 31.8–1.3 51.42N–.06 16.11E–.06 0 ¶13197154
CSEM VI 16 17 05 32.0–.81 51.46N 16.15E 2 2.7L
WAR VI 16 17 05 32.0 51.53N 16.09E 2.7L
PRU VI 16 17 05 33.1 51.43N 16.20E 0 2.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.9km s-min=4.4km az=21.8.
CSEM Event type ki. Error ellipse: s-maj=13.0km s-min=7.0km az=11.0.
PRU Event type ki.

(548) Poland

ISC VI 17 08 56 33.2–1.0 50.20N–.06 19.07E–.03 0 20 0-2
ISCJB VI 17 08 56 32.2–.72 50.23N–.05 19.03E–.04 0 ¶13197301
IPEC VI 17 08 56 32.6–.44 50.26N 19.11E 1–1 1.5L
PRU VI 17 08 56 33.3 50.27N 19.06E 0 1.5L
CSEM VI 17 08 56 33.4–.18 50.19N 19.08E 2 2.8L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.8km s-min=4.1km az=1.6.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=2.5km az=150.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=6.0km s-min=2.1km az=169.0.

(721) Finland

HEL VI 17 11 02 50.3–.50 64.02N 28.02E 0 1.3L
CSEM VI 17 11 02 50.3 64.02N 28.02E 0 1.3L ¶14726372
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=8.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(721) Finland

HEL VI 17 11 02 57.4–.80 60.32N 25.01E 0 1.0L
CSEM VI 17 11 02 57.4 60.32N 25.01E 0 1.0L ¶14726373
HEL Event type kh. Error ellipse: s-maj=5.8km s-min=7.1km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(366) Turkey

ISC VI 17 11 45 34.7–.82 37.27N–.02 28.25E–.02 0 43 0-2
ISK VI 17 11 45 33.8 37.27N 28.23E 11 2.7 ¶13840823
ISCJB VI 17 11 45 34.5–.43 37.26N–.03 28.24E–.03 0 2.7
DDA VI 17 11 45 34.6 37.22N 28.12E 7 2.7
CSEM VI 17 11 45 34.6–.22 37.25N 28.24E 1 2.7
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.4km s-min=3.4km az=136.9.
DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=4.9km s-min=4.3km az=49.0.

(336) Western Kazakhstan

NNC VI 17 14 10 05.6–2.5 52.82N 64.59E 0 3.5b,3.2
CSEM VI 17 14 10 05.6 52.82N 64.59E 0 3.5b,3.2 ¶13840799
NNC Error ellipse: s-maj=42.8km s-min=15.0km az=155.0.
CSEM Event type si. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NNC.

(377) Spain

ISC VI 18 12 24 32.0–1.2 39.27N–.05 2.58W–.06 0 10 1-2
ISCJB VI 18 12 24 31.3–.89 39.21N–.06 2.63W–.10 0 ¶16439234
CSEM VI 18 12 24 32.9 39.25N 2.56W 0 1.1L
MDD VI 18 12 25 12.2–.39 37.08N 3.50W 0 1.3
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=10.7km s-min=8.4km az=178.4.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After MDD.
MDD Error ellipse: s-maj=5.3km s-min=1.7km az=138.0. PROXIMO SIN SOLUCION.

(383) Northwestern Balkan Peninsula

CSEM VI 18 13 34 35.8 45.97N 15.47E 0 0.2L
¶16439241
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After LJU.

(548) Poland

ISC VI 18 15 58 52.7–.64 51.56N–.03 16.13E–.02 0 161 1-60
ISCJB VI 18 15 58 52.5–.40 51.48N–.02 16.09E–.02 0 3.4b ¶13208487
IPEC VI 18 15 58 53.1–.37 51.58N 16.24E 0 2.7L
CSEM VI 18 15 58 54.1–.19 51.50N 16.11E 2 3.7L
IDC VI 18 15 58 54.8–.63 51.51N 15.90E 0 3.5,3.3
PRU VI 18 15 58 54.7 51.50N 16.10E 0 3.5,3.3
WAR VI 18 15 58 54.9 51.51N 16.12E 3.5,3.3
BGR VI 18 15 58 55.3–.36 51.48N 16.11E 1 3.2L,3.3
VIE VI 18 15 58 57.5–.95 51.28N 15.96E 0 3.1L,2.9b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.3km s-min=2.0km az=17.7.
IPEC Event type ki. Error ellipse: s-maj=4.6km s-min=2.2km az=80.0.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=2.3km az=14.0.
IDC Error ellipse: s-maj=10.1km s-min=6.0km az=104.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=15.0.
VIE Event type sr. Error ellipse: s-maj=6.0km s-min=4.6km az=13.0. 76 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC VI 19 00 31 29.8–.85 51.55N–.03 16.12E–.02 0 73 1-6
ISCJB VI 19 00 31 28.3–.46 51.49N–.02 16.16E–.03 0 ¶13208500
IPEC VI 19 00 31 29.8–.29 51.54N 16.24E 0 2.5L
CSEM VI 19 00 31 30.0–.38 51.49N 16.16E 2 3.4L
WAR VI 19 00 31 31.1 51.51N 16.12E 3.4L
PRU VI 19 00 31 31.8 51.44N 16.10E 0 3.4L
VIE VI 19 00 31 32.4–.87 51.34N 16.05E 0 2.8L,2.2b
UPP VI 19 00 32 41.5 56.89N 13.98E 0 0.8L,2.2b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.7km s-min=2.8km az=28.7.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=34.0.
CSEM Event type ki. Error ellipse: s-maj=6.4km s-min=4.0km az=5.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=7.2km s-min=3.4km az=28.0. 72 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.

(366) Turkey

ISC VI 19 09 15 45.7–.78 39.67N–.02 29.42E–.02 0 48 0-2
ISCJB VI 19 09 15 45.4–.33 39.67N–.02 29.47E–.03 0 ¶15137548
DDA VI 19 09 15 46.2 39.67N 29.39E 7 3.1
CSEM VI 19 09 15 46.2 39.67N 29.39E 7 3.1
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.6km s-min=2.9km az=164.9.
DDA Event type ke.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.

(366) Turkey

ISC VI 19 11 58 11.6–.94 38.38N–.04 38.10E–.02 0 24 0-1
ISCJB VI 19 11 58 11.6–.66 38.29N–.05 38.13E–.03 0 ¶13840953
CSEM VI 19 11 58 11.2–.24 38.38N 38.09E 1 2.1
DDA VI 19 11 58 11.3 38.28N 38.13E 7 2.1
ISK VI 19 11 58 11.4 38.30N 38.11E 4 2.7
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=7.5km s-min=3.7km az=179.2.
CSEM Event type ki. Error ellipse: s-maj=5.5km s-min=4.5km az=33.0.
DDA Event type kh.

(548) Poland

ISC VI 19 14 04 50.2–.92 50.07N–.04 18.42E–.03 0 32 0-3
CSEM VI 19 14 04 47.8–1.1 50.09N 18.53E 1 2.5L ¶13208508
ISCJB VI 19 14 04 48.6–.66 50.07N–.04 18.41E–.04 0 2.5L
IPEC VI 19 14 04 49.2–.17 50.06N 18.52E 0 1.9L
WAR VI 19 14 04 49.6 50.07N 18.49E 1.9L
PRU VI 19 14 04 51.7 50.00N 18.36E 0 1.9L
ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=15.0km s-min=10.1km az=66.0.
ISCJB Event type ki. Error ellipse: s-maj=5.7km s-min=3.5km az=10.3.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=160.0.
PRU Event type ki.

(536) Sweden

HEL VI 19 14 47 09.7–.40 67.76N 20.18E 0 1.3L
¶14726456
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0. Explosion.

(548) Poland

ISC VI 19 20 54 26.9–1.2 51.47N–.05 16.13E–.03 0 58 1-4
WAR VI 19 20 54 26.4 51.51N 16.12E ¶13208515
ISCJB VI 19 20 54 26.1–.73 51.39N–.04 16.13E–.04 0
IPEC VI 19 20 54 26.0–.29 51.52N 16.27E 0 1.7L
CSEM VI 19 20 54 27.0–.32 51.42N 16.13E 2 2.9L
PRU VI 19 20 54 28.0 51.41N 16.15E 0 2.9L
VIE VI 19 20 54 29.3 51.27N 16.22E 0 2.1L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.3km s-min=3.0km az=20.3.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=33.0.
CSEM Event type ki. Error ellipse: s-maj=5.3km s-min=3.1km az=9.0.
PRU Event type ki.
VIE Event type sr. 58 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

PRU VI 20 00 35 15.7 50.23N 19.11E 0
¶13208518
PRU Event type ki.

(366) Turkey

ISC VI 20 12 58 16.6–.81 39.69N–.02 29.44E–.02 0 41 0-1
ISCJB VI 20 12 58 16.5–.39 39.70N–.02 29.44E–.03 0 ¶15137568
DDA VI 20 12 58 16.2 39.69N 29.44E 7 2.8
CSEM VI 20 12 58 16.2 39.69N 29.44E 7 2.8
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.5km s-min=3.4km az=168.1.
DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.

(547) Czech and Slovak Republics

ISC VI 20 19 47 27.8–.75 49.86N–.03 18.43E–.02 0 58 0-4
ISCJB VI 20 19 47 26.2–.40 49.91N–.03 18.41E–.03 0 ¶13208524
IPEC VI 20 19 47 27.0–.18 49.84N 18.53E 0 2.0L
VIE VI 20 19 47 27.7–1.8 49.95N 18.41E 0 2.4L,2.0b
CSEM VI 20 19 47 27.7–.23 49.85N 18.41E 2 2.5L,2.0b
PRU VI 20 19 47 28.3 49.89N 18.39E 0 2.5L,2.0b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.8km s-min=2.4km az=7.5.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
VIE Event type sr. Error ellipse: s-maj=10.2km s-min=8.7km az=40.0. 18 km NE of Ostrava . Suspected Mining induced.
CSEM Event type ki. Error ellipse: s-maj=6.4km s-min=3.5km az=6.0.
PRU Event type ki.

(548) Poland

ISC VI 20 23 21 14.8–.90 51.59N–.04 16.13E–.02 0 91 1-40
ISCJB VI 20 23 21 14.2–.52 51.48N–.03 16.10E–.03 0 3.0b ¶13208525
IPEC VI 20 23 21 14.8–.37 51.59N 16.23E 0 2.9L
IDC VI 20 23 21 15.8–1.0 51.46N 16.21E 0 3.4,3.3
CSEM VI 20 23 21 15.1–.26 51.54N 16.11E 2 3.7L,3.3
PRU VI 20 23 21 16.2 51.50N 16.12E 0 3.7L,3.3
WAR VI 20 23 21 16.2 51.54N 16.13E 3.7L,3.3
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.2km s-min=2.7km az=8.9.
IPEC Event type ki. Error ellipse: s-maj=4.7km s-min=2.2km az=80.0.
IDC Error ellipse: s-maj=20.5km s-min=9.6km az=134.0.
CSEM Event type ki. Error ellipse: s-maj=4.8km s-min=3.5km az=179.0.
PRU Event type ki.

(548) Poland

ISC VI 21 12 23 54.5–1.2 51.53N–.06 16.06E–.03 0 51 1-3
ISCJB VI 21 12 23 52.6–.83 51.52N–.04 16.05E–.04 0 ¶13208532
WAR VI 21 12 23 54.9 51.55N 16.09E
CSEM VI 21 12 23 54.1–.57 51.52N 16.04E 2 3.1L
PRU VI 21 12 23 55.1 51.51N 16.06E 0 3.1L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.9km s-min=3.2km az=14.4.
CSEM Event type ki. Error ellipse: s-maj=9.3km s-min=5.3km az=7.0.
PRU Event type ki.

(548) Poland

ISC VI 22 15 15 55.5–.80 50.25N–.04 18.81E–.02 0 60 1-7
ISCJB VI 22 15 15 54.2–.47 50.30N–.04 18.74E–.03 0 ¶13256537
IPEC VI 22 15 15 55.4–.20 50.27N 18.80E 1–1 2.4L
CSEM VI 22 15 15 55.0–.20 50.32N 18.76E 2 2.9L
WAR VI 22 15 15 56.0 50.23N 18.84E 2.9L
PRU VI 22 15 15 56.3 50.27N 18.76E 0 2.9L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.4km s-min=2.4km az=12.2.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.1km az=168.0.
CSEM Event type ki. Error ellipse: s-maj=5.3km s-min=2.1km az=10.0.
PRU Event type ki.

(548) Poland

ISC VI 22 22 49 31.1–.78 50.27N–.04 18.80E–.02 0 62 1-4
ISCJB VI 22 22 49 29.5–.52 50.32N–.04 18.77E–.03 0 ¶13256589
IPEC VI 22 22 49 30.8–.45 50.33N 18.82E 2–1 1.9L
CSEM VI 22 22 49 30.7–.27 50.32N 18.78E 2 2.6L
PRU VI 22 22 49 31.4 50.31N 18.76E 0 2.6L
WAR VI 22 22 49 31.6 50.28N 18.83E 2.6L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=2.3km az=12.2.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=2.4km az=65.0.
CSEM Event type ki. Error ellipse: s-maj=7.3km s-min=2.8km az=10.0.
PRU Event type ki.

(548) Poland

ISC VI 23 00 48 59.4–1.0 51.46N–.04 16.09E–.03 0 41 1-4
ISCJB VI 23 00 48 58.0–.74 51.42N–.04 16.08E–.04 0 ¶13256595
WAR VI 23 00 48 59.6 51.49N 16.10E
CSEM VI 23 00 48 59.0–.42 51.45N 16.09E 2 3.0L
PRU VI 23 00 49 01.3 51.38N 16.06E 0 3.0L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.6km s-min=3.2km az=15.8.
CSEM Event type ki. Error ellipse: s-maj=7.2km s-min=6.1km az=46.0.
PRU Event type ki.

(374) Jordan - Syria region

DDA VI 23 08 52 54.7 36.31N 37.12E 7 2.6
¶15137639
DDA Event type kh.

(366) Turkey

ISC VI 23 09 00 02.5–1.1 39.10N–.03 27.58E–.05 0 52 0-2
ISCJB VI 23 09 00 00.9–.77 39.04N–.04 27.43E–.06 0 ¶13841275
CSEM VI 23 09 00 01.3–.48 39.05N 27.44E 1 2.6
ISK VI 23 09 00 02.4 39.08N 27.58E 15 2.9
DDA VI 23 09 00 03.7 39.11N 27.58E 4 2.6
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=7.5km s-min=3.6km az=144.7.
CSEM Event type ki. Error ellipse: s-maj=11.3km s-min=4.9km az=51.0.
DDA Event type kh.

(548) Poland

ISC VI 23 13 20 50.0–1.1 51.52N–.05 16.10E–.02 0 73 1-4
IPEC VI 23 13 20 48.4–.44 51.59N 16.14E 1–2 2.4L ¶13256685
ISCJB VI 23 13 20 48.4–.69 51.49N–.03 16.11E–.03 0 2.4L
CSEM VI 23 13 20 49.1–.28 51.53N 16.11E 2 3.5L
WAR VI 23 13 20 50.3 51.53N 16.10E 3.5L
PRU VI 23 13 20 50.4 51.50N 16.12E 0 3.5L
VIE VI 23 13 20 53.1–1.3 51.31N 16.16E 0 2.9L,2.3b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=4.3km s-min=2.5km az=77.0.
ISCJB Event type sr. Error ellipse: s-maj=5.0km s-min=2.7km az=17.9.
CSEM Event type ki. Error ellipse: s-maj=4.6km s-min=3.7km az=19.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=9.8km s-min=7.7km az=51.0. 64 km WNW of Wroclaw . Suspected Mining induced.

(366) Turkey

ISC VI 24 07 11 56.9–.81 39.11N–.02 27.62E–.03 0 57 0-2
ISCJB VI 24 07 11 57.5–.42 39.12N–.02 27.55E–.04 0 ¶13841352
CSEM VI 24 07 11 57.7–.17 39.12N 27.58E 1 2.5
DDA VI 24 07 11 57.8 39.09N 27.55E 7 2.5
ISK VI 24 07 11 57.8 39.12N 27.62E 9 2.9
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.4km s-min=3.2km az=167.6.
CSEM Event type ki. Error ellipse: s-maj=4.5km s-min=3.0km az=76.0.
DDA Event type kh.

(535) Southern Norway

ISC VI 24 13 16 08.4–1.9 58.30N–.09 6.44E–.06 0 29 1-4
ISCJB VI 24 13 16 08.1–1.5 58.30N–.08 6.5E–.10 0 ¶16606191
CSEM VI 24 13 16 09.7–.69 58.36N 6.49E 1 1.6L
BER VI 24 13 16 10.9–2.3 58.33N 6.42E 0 1.7,1.6L
NAO VI 24 13 16 12.8–4.2 58.56N 6.44E 1.7,1.6L
ISC Event type sh.
ISCJB Event type sm. Error ellipse: s-maj=13.6km s-min=6.1km az=28.5.
CSEM Event type sm. Error ellipse: s-maj=15.0km s-min=4.7km az=20.0. Suspected Mining explosion.
BER Event type sh. Error ellipse: s-maj=9.1km s-min=10.6km az=-1.0. Suspected explosion.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.

(535) Southern Norway

ISC VI 24 13 17 07.3–.71 17.4S–.10 177.0W–.10 10 4.1b,4.0s 22 5-145
ISCJB VI 24 13 17 05.7–.62 17.5S–.10 177.0W–.10 10 4.1b,4.0s ¶13568821
IDC VI 24 13 17 06.0–.85 17.40S 176.98W 0 4.2,4.0
NEIC VI 24 13 17 09.2–7.7 17.44S 176.98W 22–54 4.8b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=13.4km az=143.9.
IDC Error ellipse: s-maj=31.0km s-min=21.3km az=126.0.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=18.5km az=85.0.

(548) Poland

ISC VI 25 00 12 48.1–.80 50.07N–.05 19.20E–.02 0 50 0-4
ISCJB VI 25 00 12 46.3–.51 50.16N–.04 19.08E–.03 0 ¶13306524
CSEM VI 25 00 12 47.4–.33 50.14N 19.13E 2 2.8L
PRU VI 25 00 12 48.1 50.18N 19.11E 0 2.8L
WAR VI 25 00 12 48.5 50.10N 19.22E 2.8L
IPEC VI 25 00 12 49.4–.36 50.15N 19.07E 0 2.0L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=2.5km az=8.8.
CSEM Event type ki. Error ellipse: s-maj=9.3km s-min=3.0km az=7.0.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=2.1km az=128.0.

(548) Poland

ISC VI 25 02 43 45.4–.80 50.14N–.04 19.08E–.02 0 46 0-4
ISCJB VI 25 02 43 44.2–.53 50.20N–.04 19.00E–.03 0 ¶13306535
IPEC VI 25 02 43 44.5–.31 50.20N 19.12E 0 1.7L
CSEM VI 25 02 43 45.1–.28 50.21N 19.02E 0–2 2.5L
WAR VI 25 02 43 46.7 50.20N 19.14E 2.5L
PRU VI 25 02 43 46.0 50.19N 19.02E 0 2.5L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.0km s-min=2.5km az=11.2.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=2.0km az=143.0.
CSEM Event type ki. Error ellipse: s-maj=7.2km s-min=2.4km az=179.0.
PRU Event type ki.

(460) Wyoming

ISC VI 25 19 59 23.3–.62 43.68N–.02 105.37W–.02 0 111 0-61
ISCJB VI 25 19 59 23.3–.22 43.68N–.02 105.29W–.03 0 4.2b ¶13682030
IDC VI 25 19 59 23.4–1.9 43.75N 105.55W 0 4.0,4.0b
NEIC VI 25 19 59 23.2–.45 43.75N 105.42W 0 2.9L,4.0b
ISC Event type sm.
ISCJB Event type fm. Error ellipse: s-maj=2.7km s-min=2.2km az=161.4.
IDC Error ellipse: s-maj=51.1km s-min=8.6km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=8.3km s-min=5.6km az=177.0. 60 km [40 miles] S of Gillette. Suspected Mining explosion.

(366) Turkey

ISC VI 26 08 56 55.1–.79 37.30N–.03 28.20E–.02 0 46 0-1
ISK VI 26 08 56 54.5 37.30N 28.20E 8 2.7 ¶13841550
ISCJB VI 26 08 56 55.3–.41 37.25N–.03 28.20E–.03 0 2.7
DDA VI 26 08 56 55.4 37.22N 28.18E 7 2.7
CSEM VI 26 08 56 55.4–.23 37.26N 28.22E 1 2.7
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.4km s-min=2.9km az=44.0.
DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=5.2km s-min=4.2km az=43.0.

(723) Finland-Karelia border region

ISC VI 26 09 00 19.1–.92 64.73N–.03 30.70E–.05 0 58 1-10
HEL VI 26 09 00 19.7–.40 64.70N 30.78E 0 1.9L ¶13367089
NAO VI 26 09 00 20.4–1.5 64.71N 30.50E 2.3L
BER VI 26 09 00 20.2–3.0 64.70N 30.65E 0 2.3L
CSEM VI 26 09 00 21.4–.32 64.81N 30.40E 2 1.9L
IDC VI 26 09 00 22.6–2.0 64.64N 30.29E 0 3.0,3.0
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=6.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=7.1km s-min=35.1km az=-1.0. Suspected explosion.
CSEM Event type km. Error ellipse: s-maj=8.4km s-min=3.9km az=101.0. Mining explosion.
IDC Error ellipse: s-maj=26.7km s-min=9.0km az=107.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC VI 26 09 14 36.3–1.7 67.64N–.04 34.06E–.09 0 44 0-12
NAO VI 26 09 14 37.9–1.3 67.59N 34.00E 2.5L ¶13367091
HEL VI 26 09 14 38.7–.30 67.67N 33.85E 0 2.0L
CSEM VI 26 09 14 39.7–.33 67.60N 33.59E 1 2.5L
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=2.0km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=6.1km s-min=5.2km az=90.0. Mining explosion.

(366) Turkey

ISC VI 26 11 18 07.0–.84 41.01N–.04 40.53E–.03 0 32 0-2
ISK VI 26 11 18 06.8 41.10N 40.39E 13 2.5 ¶13841558
ISCJB VI 26 11 18 08.5–.46 40.89N–.04 40.65E–.05 0 2.5
DDA VI 26 11 18 08.9 40.89N 40.63E 8 2.9
CSEM VI 26 11 18 09.1–.27 40.89N 40.68E 2 2.5
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=6.7km s-min=3.5km az=142.0.
DDA Event type kh.
CSEM Event type ki. Error ellipse: s-maj=9.1km s-min=4.7km az=143.0.

(547) Czech and Slovak Republics

PRU VI 26 20 09 04.9 49.82N 18.42E 0
CSEM VI 26 20 09 03.8–.71 49.85N 18.46E 10 ¶13306852
PRU Event type ki.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=10.7km az=36.0.

(548) Poland

ISC VI 26 21 59 33.3–.85 50.22N–.05 19.07E–.02 0 44 0-3
ISCJB VI 26 21 59 33.2–.52 50.26N–.04 18.94E–.03 0 ¶13306877
WAR VI 26 21 59 33.5 50.21N 19.08E
CSEM VI 26 21 59 33.9–.27 50.29N 18.96E 2 2.5L
IPEC VI 26 21 59 33.0–.35 50.25N 19.12E 0 1.7L
PRU VI 26 21 59 35.3 50.24N 18.96E 0 1.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.1km s-min=2.5km az=13.3.
CSEM Event type ki. Error ellipse: s-maj=7.3km s-min=2.6km az=13.0.
IPEC Event type ki. Error ellipse: s-maj=3.0km s-min=2.2km az=168.0.
PRU Event type ki.

(547) Czech and Slovak Republics

ISC VI 27 02 02 25.2–.87 49.89N–.04 18.55E–.03 0 38 0-3
ISCJB VI 27 02 02 25.2–.52 49.89N–.04 18.44E–.03 0 ¶13306906
IPEC VI 27 02 02 25.3–.39 49.83N 18.63E 2–2 1.5L
CSEM VI 27 02 02 25.2–.61 49.91N 18.54E 1 2.3L
PRU VI 27 02 02 26.7 49.90N 18.48E 0 2.3L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.2km s-min=3.0km az=3.3.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=2.1km az=118.0.
CSEM Event type ki. Error ellipse: s-maj=9.4km s-min=6.2km az=47.0.
PRU Event type ki.

(366) Turkey

ISC VI 27 07 31 10.2–.73 37.33N–.02 28.00E–.02 0 77 0-2
ISCJB VI 27 07 31 10.6–.34 37.32N–.02 27.97E–.02 0 ¶13841610
ATH VI 27 07 31 10.4 37.32N 28.01E 21–2 3.3
CSEM VI 27 07 31 10.7–.23 37.30N 27.98E 1 2.5
DDA VI 27 07 31 11.5 37.32N 27.97E 7 2.8
ISK VI 27 07 31 11.0 37.27N 27.97E 11 2.5
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.5km s-min=2.7km az=19.5.
ATH Error ellipse: s-maj=2.7km s-min=3.8km az=-1.0.
CSEM Event type ki. Error ellipse: s-maj=5.6km s-min=4.5km az=22.0.
DDA Event type kh.

(366) Turkey

ISC VI 27 09 13 39.2–.76 39.37N–.02 27.71E–.02 0 76 0-2
ISCJB VI 27 09 13 39.4–.33 39.35N–.02 27.73E–.03 0 ¶13841611
ISK VI 27 09 13 39.3 39.35N 27.73E 3 3.0
CSEM VI 27 09 13 39.7–.14 39.34N 27.73E 1 3.0
DDA VI 27 09 13 40.5 39.37N 27.75E 11 2.6
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=3.0km s-min=2.8km az=15.8.
CSEM Event type ki. Error ellipse: s-maj=3.2km s-min=2.8km az=104.0.
DDA Event type kh.

(548) Poland

ISC VI 28 07 13 31.7–1.3 51.51N–.07 16.12E–.03 0 32 1-3
ISCJB VI 28 07 13 29.6–.93 51.53N–.05 16.12E–.04 0 ¶13307185
CSEM VI 28 07 13 31.2–.59 51.51N 16.10E 2 2.9L
PRU VI 28 07 13 32.0 51.50N 16.13E 0 2.9L
WAR VI 28 07 13 32.1 51.51N 16.12E 2.9L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.7km s-min=3.7km az=12.8.
CSEM Event type ki. Error ellipse: s-maj=10.0km s-min=5.9km az=173.0.
PRU Event type ki.

(548) Poland

ISC VI 28 11 21 37.4–.78 50.29N–.04 18.78E–.02 0 67 1-4
ISCJB VI 28 11 21 36.1–.50 50.32N–.04 18.71E–.03 0 ¶13307225
WAR VI 28 11 21 36.9 50.28N 18.83E
CSEM VI 28 11 21 37.2–.24 50.33N 18.72E 2 2.7L
IPEC VI 28 11 21 37.3–.45 50.32N 18.78E 1–1 1.8L
PRU VI 28 11 21 38.2 50.29N 18.72E 0 1.8L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.6km s-min=2.3km az=10.2.
CSEM Event type ki. Error ellipse: s-maj=6.6km s-min=2.6km az=10.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=2.4km az=63.0.
PRU Event type ki.

(548) Poland

ISC VI 28 12 29 25.7–.91 51.52N–.04 16.14E–.02 0 166 1-19
ISCJB VI 28 12 29 23.9–.42 51.47N–.02 16.15E–.02 0 ¶13307239
IPEC VI 28 12 29 24.2–.40 51.59N 16.27E 0–1 2.5L
CSEM VI 28 12 29 24.9–.16 51.53N 16.19E 2 3.5L
IDC VI 28 12 29 25.5–.74 51.53N 16.04E 0 3.3,3.2
PRU VI 28 12 29 25.8 51.52N 16.15E 0 3.3,3.2
WAR VI 28 12 29 26.3 51.52N 16.11E 3.3,3.2
BGR VI 28 12 29 27.2–.40 51.49N 16.12E 1 3.1L,3.2
VIE VI 28 12 29 28.5–.90 51.30N 16.01E 0 3.1L,2.6b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.7km s-min=1.7km az=16.6.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.6km az=18.0.

CSEM Event type ki. Error ellipse: s-maj=3.4km s-min=1.8km az=15.0.
IDC Error ellipse: s-maj=15.7km s-min=6.7km az=103.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=4.4km az=5.0.
VIE Event type sr. Error ellipse: s-maj=6.7km s-min=6.0km az=32.0. 73 km WNW of Wroclaw . Suspected Mining induced.

(547) Czech and Slovak Republics

PRU	**VI**	**29 00 01 41.0**	**49.80N**	**18.44E**	**0**			**¶13318215**

PRU Event type ki.

(366) Turkey

ISC	**VI**	**29 07 24 51.3–.90**	**39.13N–.02**	**27.69E–.04**	**0**		**30**	**0-1**
DDA	VI	29 07 24 49.5	39.11N	27.53E	7	2.9		**¶13841766**
ISCJB	VI	29 07 24 51.6–.63	39.14N–.02	27.67E–.05	0	2.9		
ISK	VI	29 07 24 51.7	39.14N	27.75E	5	2.6		
CSEM	VI	29 07 24 51.8–.42	39.14N	27.67E	1	2.9		

ISC Event type ki.
DDA Event type ke.
ISCJB Event type ki. Error ellipse: s-maj=5.7km s-min=3.5km az=175.3.
CSEM Event type ki. Error ellipse: s-maj=9.3km s-min=6.0km az=87.0.

(548) Poland

ISC	**VI**	**30 03 50 24.8–.87**	**50.06N–.04**	**18.41E–.03**	**0**		**35**	**0-3**
ISCJB	VI	30 03 50 23.9–.54	50.07N–.04	18.34E–.03	0			**¶13318315**
IPEC	VI	30 03 50 23.9–.34	50.05N	18.50E	1–2	1.5L		
WAR	VI	30 03 50 24.4	50.06N	18.44E		1.5L		
CSEM	VI	30 03 50 24.5–.60	50.06N	18.39E	1	2.5L		
PRU	VI	30 03 50 26.3	50.03N	18.32E	0	2.5L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.1km s-min=2.9km az=3.5.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=2.0km az=116.0.
CSEM Event type ki. Error ellipse: s-maj=8.3km s-min=5.2km az=57.0.
PRU Event type ki.

(548) Poland

ISC	**VI**	**30 19 35 57.7–1.8**	**51.59N–.09**	**16.11E–.05**	**0**		**29**	**1-3**
ISCJB	VI	30 19 35 55.0–1.4	51.58N–.06	16.02E–.06	0			**¶13318431**
PRU	VI	30 19 35 57.7	51.56N	16.04E	0			
CSEM	VI	30 19 35 57.3–.84	51.54N	16.04E	1	2.7L		
WAR	VI	30 19 35 59.7	51.51N	16.13E		2.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.9km s-min=4.6km az=22.5.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=12.9km s-min=6.1km az=5.0.

(547) Czech and Slovak Republics

PRU	**VI**	**30 21 30 55.5**	**49.79N**	**18.58E**	**0**			**¶13318434**

PRU Event type ki.

REGIONAL CATALOGUE OF EVENTS

SEISMIC REGION 1.
Alaska-Aleutian Arc.

(1) Central Alaska.

ISC	**I**	**09 13 32 37.7–1.5**	**62.25N–.03**	**141.46W–.04**	**2–13**		**40**	**1-18**
NEIC	I	09 13 32 39.2	62.26N	141.48W	12	2.7L		¶11534454
PGC	I	09 13 32 39.3–6.2	62.26N	141.54W	10	2.9L		
ISC	Event type ke.							
NEIC	Event type se. After AEIC.							
PGC	Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. 226km southwest of Dawson, Yt Central Alaska.							
ISC	**I**	**17 13 56 42.0–.42**	**63.60N–.02**	**151.04W–.02**	**13–2**	**4.4b,4.0s**	**211**	**0-82**
ISCJB	I	17 13 56 40.0–.69	63.61N–.02	151.08W–.04	10–4	4.4b,3.8s		¶11596174
IDC	I	17 13 56 40.9–.51	63.65N	151.18W	0	4.3,4.3		
NEIC	I	17 13 56 40.5	63.57N	151.02W	9	4.4b,4.4L		
BJI	I	17 13 56 43.2	64.33N	151.98W	8	5.2b,5.0s		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=37.8.							
IDC	Error ellipse: s-maj=12.5km s-min=7.3km az=162.0.							
NEIC	Event type se. After AEIC. Moment Tensor Solution. $M_0$2.40000×10^{15}							
ISC	**I**	**17 23 39 15.1–.72**	**63.18N–.03**	**150.61W–.04**	**123–6**	**3.4b**	**91**	**0-63**
IDC	I	17 23 39 13.5–2.1	63.30N	150.95W	104–17	4.1s,4.1		¶12081584
ISCJB	I	17 23 39 14.1–.32	63.17N–.02	150.58W–.07	127–3	3.5b,4.1		
NEIC	I	17 23 39 15.4	63.17N	150.63W	118	3.2,4.1		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=22.3km s-min=16.0km az=93.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=27.9.							
NEIC	Event type se. After AEIC.							
ISC	**I**	**21 00 46 21.8–.90**	**63.05N–.03**	**148.44W–.03**	**82–7**		**100**	**0-63**
IDC	I	21 00 46 19.6–6.1	62.95N	148.45W	75–50	3.2L,3.2		¶12081918
ISCJB	I	21 00 46 20.8–.26	63.05N–.02	148.43W–.05	91–4	3.3b,3.2		
NEIC	I	21 00 46 21.8	63.04N	148.48W	80	3.6,3.2		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=50.2km s-min=25.9km az=29.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.6km s-min=3.1km az=36.9.							
NEIC	Event type fe. Felt at Denali National Park. After AEIC.							
ISC	**I**	**21 05 02 27.2–.77**	**62.08N–.03**	**151.21W–.04**	**92–6**	**3.7b**	**81**	**0-63**
IDC	I	21 05 02 24.9–2.0	62.06N	151.52W	68–23	3.4,3.3		¶12081945
ISCJB	I	21 05 02 26.2–.34	62.10N–.03	151.17W–.06	99–4	3.5b,3.3		
NEIC	I	21 05 02 28.4	62.09N	151.21W	85	3.0,3.3		
ISC	Event type se.							
IDC	Error ellipse: s-maj=25.5km s-min=14.3km az=109.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.8km s-min=4.2km az=12.4.							
NEIC	Event type se. After AEIC.							
IDC	**I**	**28 02 16 29.7–2.2**	**63.94N**	**149.05W**	**0**	**4.2s,4.2**		
								¶12082530
IDC	Error ellipse: s-maj=20.8km s-min=16.4km az=60.0.							
ISC	**II**	**08 06 56 23.8–.88**	**62.24N–.03**	**150.22W–.03**	**63–8**		**101**	**0-55**
ISCJB	II	08 06 56 23.2–.25	62.23N–.02	150.19W–.05	75–5	3.5b		¶12699770
IDC	II	08 06 56 23.0–1.6	62.21N	150.15W	59–34	3.6,3.5L		
NEIC	II	08 06 56 25.1	62.21N	150.24W	57	3.5L,3.5L		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=3.7km s-min=3.1km az=28.0.							
IDC	Error ellipse: s-maj=45.5km s-min=9.5km az=113.0.							
NEIC	Event type se. After AEIC.							
ISC	**II**	**20 21 06 08.0–.65**	**62.97N–.03**	**151.10W–.04**	**128–5**	**3.5b**	**111**	**1-143**
ISCJB	II	20 21 06 06.9–.28	62.99N–.02	151.03W–.06	132–3	3.5b		¶12701367
IDC	II	20 21 06 06.3–1.9	63.08N	151.45W	106–18	3.5,3.4		
NEIC	II	20 21 06 08.8	63.01N	151.02W	117	3.6,3.4		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.5km s-min=3.8km az=13.9.							
IDC	Error ellipse: s-maj=18.4km s-min=15.2km az=75.0.							
NEIC	Event type se. After AEIC.							
NEIC	**II**	**24 14 30 29.1**	**62.90N**	**143.74W**	**11**	**3.6L,3.0L**		
PGC	II	24 14 30 28.4–5.5	62.93N	143.73W	1	3.6L,3.0L		¶12055753
NEIC	Event type se. After AEIC.							
PGC	Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. 242km northeast of Valdez, Ak Central Alaska.							
ISC	**II**	**24 16 20 23.2–.80**	**62.95N–.03**	**143.62W–.03**	**10–5**	**3.6b**	**100**	**0-145**
PGC	II	24 16 20 22.8–10	62.92N	143.68W	5	4.6L,4.0W		¶11728641
ISCJB	II	24 16 20 22.0–.47	62.99N–.02	143.51W–.05	9–3	3.6b,3.3s		
NEIC	II	24 16 20 23.6	62.88N	143.80W	6	4.3b,4.0W		
IDC	II	24 16 20 24.2–1.8	63.07N	143.37W	12–13	3.9,3.7L		
ISC	Event type ke.							
PGC	Event type ke. 243km northeast of Valdez, Ak Central Alaska.							
ISCJB	Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=21.5.							
NEIC	Event type se. After AEIC. Moment Tensor Solution. $M_0$1.10000×10^{15} Moment Tensor Solution. $M_0$1.40000×10^{15}							
IDC	Error ellipse: s-maj=14.9km s-min=9.3km az=36.0.							
ISC	**III**	**04 23 24 33.3–.74**	**63.66N–.04**	**149.89W–.04**	**143–5**	**3.5b**	**75**	**0-62**
IDC	III	04 23 24 31.0–1.6	63.69N	150.40W	119–28	3.3b,3.2		¶12702461
ISCJB	III	04 23 24 32.3–.33	63.69N–.03	149.89W–.08	146–3	3.4b,3.2		
NEIC	III	04 23 24 33.9	63.67N	149.89W	138	3.0,3.2		
ISC	Event type se.							
IDC	Error ellipse: s-maj=49.2km s-min=11.7km az=116.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.0km s-min=4.5km az=18.6.							
NEIC	Event type se. After AEIC.							
ISC	**III**	**05 17 37 43.7–.68**	**62.98N–.03**	**150.45W–.03**	**102–5**	**3.7b**	**107**	**0-65**
ISCJB	III	05 17 37 42.7–.23	62.99N–.02	150.43W–.06	110–3	3.6b		¶12702506
IDC	III	05 17 37 43.1–1.9	63.00N	150.74W	95–17	3.4,3.3b		
NEIC	III	05 17 37 44.5	62.98N	150.42W	94	3.3,3.3b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.4km s-min=3.3km az=23.6.							
IDC	Error ellipse: s-maj=18.9km s-min=16.7km az=111.0.							
NEIC	Event type se. After AEIC.							
ISC	**III**	**12 17 13 53.4–.68**	**63.25N–.03**	**150.53W–.04**	**134–5**	**3.7b**	**110**	**0-83**
ISCJB	III	12 17 13 52.4–.24	63.27N–.02	150.50W–.06	139–3	3.7b		¶12703094
IDC	III	12 17 13 52.1–1.2	63.20N	150.53W	126–19	3.6s,3.6		
NEIC	III	12 17 13 53.9	63.26N	150.53W	129	3.4,3.6		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.2km s-min=3.9km az=8.8.							
IDC	Error ellipse: s-maj=38.7km s-min=10.5km az=115.0.							
NEIC	Event type se. After AEIC.							
ISC	**III**	**13 14 36 04.8–1.4**	**63.15N–.03**	**151.58W–.03**	**2–10**	**3.5b**	**83**	**0-62**
ISCJB	III	13 14 36 05.2–.60	63.16N–.02	151.60W–.06	12–4	3.5b		¶12703176
IDC	III	13 14 36 05.9–.98	63.30N	151.64W	0	3.7,3.6		
NEIC	III	13 14 36 06.0	63.13N	151.54W	11	3.5L,3.6		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=31.2.							
IDC	Error ellipse: s-maj=19.7km s-min=11.3km az=139.0.							
NEIC	Event type se. After AEIC.							
ISC	**III**	**14 00 16 22.3–.93**	**62.16N–.03**	**149.46W–.03**	**46–12**		**74**	**0-30**
IDC	III	14 00 16 19.1–2.9	62.01N	149.17W	0	3.7,3.5b		¶11882873
ISCJB	III	14 00 16 21.3–.28	62.16N–.02	149.46W–.05	59–6	3.3b,3.5b		
NEIC	III	14 00 16 23.1	62.14N	149.50W	44	3.0L,3.5b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=43.3km s-min=17.6km az=85.0.							
ISCJB	Event type se. Error ellipse: s-maj=3.9km s-min=3.7km az=175.3.							
NEIC	Event type se. After AEIC.							
ISC	**III**	**14 03 04 12.9–.50**	**63.10N–.03**	**150.92W–.04**	**130–4**	**4.0b**	**154**	**0-82**
ISCJB	III	14 03 04 11.4–.21	63.11N–.02	150.84W–.05	134–2	3.8b		¶12703218
NEIC	III	14 03 04 12.6	63.13N	150.84W	121	3.9		
IDC	III	14 03 04 13.4–.87	63.27N	151.00W	128–7	3.7,3.6b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=3.9km s-min=3.7km az=36.7.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=16.4km s-min=11.1km az=43.0.							
ISC	**III**	**20 07 02 01.4–.73**	**62.99N–.03**	**151.08W–.04**	**126–5**	**3.7b**	**105**	**1-67**
IDC	III	20 07 02 00.2–1.9	63.11N	151.30W	113–15	3.6,3.4b		¶12025810
ISCJB	III	20 07 02 00.3–.28	63.00N–.02	150.98W–.06	131–3	3.6b,3.4b		
NEIC	III	20 07 02 01.8	63.00N	151.01W	120	3.5,3.4b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=20.1km s-min=17.0km az=98.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.4km s-min=3.5km az=32.5.							
NEIC	Event type se. After AEIC.							
ISC	**IV**	**02 06 20 16.7–.96**	**62.09N–.03**	**149.27W–.03**	**31–9**		**85**	**1-30**
IDC	IV	02 06 20 14.3–1.3	62.02N	148.95W	0	3.5,3.4b		¶12934335
ISCJB	IV	02 06 20 15.8–.24	62.12N–.02	149.18W–.05	50–7	3.1b,3.4b		
NEIC	IV	02 06 20 16.9	62.11N	149.18W	28	3.2L,3.4b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=24.5km s-min=11.5km az=104.0.							
ISCJB	Event type se. Error ellipse: s-maj=3.8km s-min=3.4km az=9.7.							
NEIC	Event type se. After AEIC.							
ISC	**IV**	**04 17 44 36.1–1.2**	**62.28N–.02**	**141.54W–.02**	**2–12**		**47**	**1-7**
NEIC	IV	04 17 44 36.9	62.24N	141.54W	2	3.1L		¶13437926
PGC	IV	04 17 44 37.1–7.2	62.24N	141.83W	5	3.6L		
ISC	Event type ke.							
NEIC	Event type se. After AEIC.							
PGC	Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 235km southwest of Dawson, Yt Central Alaska.							
ISC	**IV**	**10 05 50 11.4–.29**	**63.51N–.03**	**151.74W–.02**	**17–1**	**4.7b,4.6s**	**796**	**0-153**
ISCJB	IV	10 05 50 08.6–.73	63.55N–.02	151.85W–.03	8–4	4.7b,4.4s		¶13438293
BJI	IV	10 05 50 08.5	63.62N	152.19W	8	5.2b,5.0s		
NEIC	IV	10 05 50 10.2	63.50N	151.74W	14	4.8L,4.7b		
MOS	IV	10 05 50 12.0–.90	63.57N	151.80W	33	5.1b,4.7b		
IDC	IV	10 05 50 12.4–.52	63.63N	151.68W	18–2	4.4,4.3		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=29.0.							
NEIC	Event type fe. Felt [IV] at Nenana and [II] at Fairbanks, Fort Wainwright and Healy. Also felt at Cantwell, Denali National Park, Eielson AFB and North Pole. After AEIC. Moment Tensor Solution. $M_0$6.80000×10^{15}							
MOS	Error ellipse: s-maj=10.6km s-min=4.8km az=100.8.							
IDC	Error ellipse: s-maj=10.3km s-min=8.1km az=5.0.							
ISC	**IV**	**15 23 28 54.0–1.2**	**63.57N–.02**	**147.45W–.02**	**6–9**	**3.9b**	**70**	**0-66**
ISCJB	IV	15 23 28 53.6–.58	63.58N–.02	147.40W–.06	6–5	3.7b		¶12935273
NEIC	IV	15 23 28 54.3	63.55N	147.37W	7	3.2L		
IDC	IV	15 23 28 58.9–1.5	63.84N	147.71W	32–11	3.6,3.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=172.8.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=20.7km s-min=12.1km az=100.0.							
ISC	**IV**	**17 10 11 35.1–.74**	**62.99N–.03**	**151.06W–.03**	**119–6**	**3.4b**	**89**	**1-63**
IDC	IV	17 10 11 33.9–2.0	63.04N	151.27W	106–20	3.4,3.2		¶12935467
ISCJB	IV	17 10 11 34.0–.30	63.01N–.02	151.01W–.06	128–3	3.2b,3.2		
NEIC	IV	17 10 11 35.2	62.99N	151.02W	119	3.2,3.2		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=22.2km s-min=18.6km az=111.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=30.7.							
NEIC	Event type se. After AEIC.							
ISC	**IV**	**17 18 47 06.5–.89**	**62.99N–.03**	**149.68W–.03**	**92–6**		**77**	**0-63**
ISCJB	IV	17 18 47 05.5–.33	63.00N–.02	149.69W–.06	98–4	3.0b		¶12608517
IDC	IV	17 18 47 06.2–2.2	62.95N	149.89W	80–28	3.1,3.0		
NEIC	IV	17 18 47 06.8	63.00N	149.72W	83	3.0,3.0		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=29.4.							
IDC	Error ellipse: s-maj=30.5km s-min=24.3km az=112.0.							
NEIC	Event type se. After AEIC.							
ISC	**V**	**05 21 31 17.3–.46**	**62.27N–.03**	**149.41W–.03**	**58–4**	**4.2b,3.4s**	**212**	**0-146**
MOS	V	05 21 31 10.4–.86	62.56N	149.59W	10	4.9b,3.4s		¶12754319
ISCJB	V	05 21 31 16.7–.18	62.24N–.02	149.35W–.04	72–2	4.1b,3.4s		
IDC	V	05 21 31 17.4–.70	62.36N	149.52W	57–5	3.8,3.8		
NEIC	V	05 21 31 18.5	62.23N	149.35W	44	3.8L,3.8		
ISC	Event type fe.							
MOS	Error ellipse: s-maj=19.0km s-min=6.5km az=93.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=31.8.							
IDC	Error ellipse: s-maj=15.5km s-min=11.3km az=27.0.							
NEIC	Event type fe. Felt [IV] at Sutton, [III] at Talkeetna and [II] at Anchorage and Palmer. Also felt at Big Lake, Eagle River and Wasilla. After AEIC.							
ISC	**V**	**14 23 26 09.9–.60**	**62.98N–.04**	**150.45W–.04**	**102–5**	**4.2b**	**113**	**0-78**
ISCJB	V	14 23 26 08.6–.22	62.94N–.02	150.45W–.06	110–3	4.0b		¶12824926
IDC	V	14 23 26 08.6–2.1	63.03N	150.75W	87–19	3.7,3.6		
NEIC	V	14 23 26 10.1	62.95N	150.50W	95	3.9b,3.6		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=33.0.							
IDC	Error ellipse: s-maj=22.7km s-min=16.5km az=107.0.							
NEIC	Event type fe. Felt at Talkeetna. After AEIC.							
ISC	**V**	**19 09 06 50.6–.76**	**62.89N–.03**	**149.70W–.04**	**83–6**	**4.1b**	**92**	**0-65**
ISCJB	V	19 09 06 49.4–.25	62.89N–.02	149.68W–.05	90–4	4.0b		¶13679226
IDC	V	19 09 06 49.3–1.8	62.84N	150.03W	70–25	3.9b,3.8		
NEIC	V	19 09 06 50.5	62.91N	149.75W	78	3.4,3.8		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.0km s-min=3.2km az=29.6.							
IDC	Error ellipse: s-maj=28.2km s-min=14.4km az=115.0.							
NEIC	Event type se. After AEIC.							
ISC	**V**	**19 16 44 13.2–.74**	**62.33N–.03**	**150.91W–.03**	**74–6**	**3.5b**	**100**	**0-83**
IDC	V	19 16 44 11.8–1.5	62.37N	150.92W	58–16	3.6,3.4		¶13679245
ISCJB	V	19 16 44 12.0–.23	62.32N–.02	150.89W–.05	82–3	3.6b,3.4		
NEIC	V	19 16 44 13.8	62.32N	150.92W	73	4.2b,3.4		
ISC	Event type se.							
IDC	Error ellipse: s-maj=17.4km s-min=9.2km az=109.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.4km s-min=3.2km az=25.7.							
NEIC	Event type se. After AEIC.							
ISC	**V**	**23 13 30 57.5–.83**	**64.82N–.03**	**148.01W–.03**	**10–6**	**3.6b**	**60**	**0-55**
ISCJB	V	23 13 30 56.8–.37	64.82N–.03	148.02W–.07	17–3	3.6s,3.5b		¶13679472
IDC	V	23 13 30 57.0–1.6	64.96N	147.95W	0	3.8,3.5		
NEIC	V	23 13 30 57.2	64.79N	148.02W	10	3.8L,3.5		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=4.9km s-min=4.0km az=31.8.							
IDC	Error ellipse: s-maj=34.4km s-min=11.4km az=32.0.							
NEIC	Event type fe. Felt [III] at Ester and Fairbanks; [II] at Fort Wainwright and North Pole. Also felt at Eielson AFB and Nenana. After AEIC.							
ISC	**V**	**24 14 44 38.5–1.3**	**63.46N–.03**	**151.23W–.03**	**12–8**	**4.0b**	**93**	**0-74**
ISCJB	V	24 14 44 37.5–.82	63.49N–.02	151.24W–.06	13–6	4.1b,2.8s		¶13679556
NEIC	V	24 14 44 38.1	63.45N	151.18W	10	4.3b,3.7L		
IDC	V	24 14 44 42.4–2.2	63.62N	151.24W	33–19	3.8,3.7		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.6km s-min=3.9km az=22.8.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=19.1km s-min=12.1km az=111.0.							
ISC	**V**	**29 07 20 39.7–.76**	**62.38N–.03**	**149.59W–.03**	**65–7**	**3.6b**	**103**	**0-64**
IDC	V	29 07 20 37.4–1.3	62.39N	149.89W	45–14	3.7,3.6b		¶13077418
ISCJB	V	29 07 20 38.6–.22	62.38N–.02	149.53W–.05	74–4	3.7b,3.6b		
NEIC	V	29 07 20 40.5	62.37N	149.51W	55	3.5L,3.6b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=19.2km s-min=9.1km az=107.0.							
ISCJB	Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=23.6.							
NEIC	Event type se. After AEIC.							
ISC	**V**	**30 04 53 42.8–.87**	**64.75N–.02**	**148.13W–.02**	**12–6**		**54**	**0-62**
IDC	V	30 04 53 41.0–1.5	64.80N	148.23W	0	3.5,3.5b		¶13679948
ISCJB	V	30 04 53 42.8–.34	64.83N–.03	148.00W–.06	20–3	3.5b,3.5b		
NEIC	V	30 04 53 43.5	64.78N	148.02W	17	3.5L,3.5b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=14.2km s-min=10.7km az=33.0.							
ISCJB	Event type fe. Error ellipse: s-maj=4.7km s-min=4.4km az=148.2.							

NEIC Event type fe. Felt [III] at Ester, Fairbanks, Fort Wainwright and North Pole. Also felt at Eielson AFB and Salcha. After AEIC.
NEIC V 30 04 53 57.1 64.80N 148.03W 15 3.1L
IDC V 30 04 53 54.5–1.2 64.78N 148.25W 0 3.7,3.7b **¶13679949**
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=11.9km s-min=10.2km az=164.0.
ISC VI 01 05 35 36.7–.79 64.77N–.03 148.09W–.03 13–5 4.0b 81 0-65
ISCJB VI 01 05 35 36.4–.32 64.82N–.02 148.04W–.05 20–2 3.8b,2.8s **¶13439852**
IDC VI 01 05 35 37.3–2.9 64.72N 147.95W 16–15 3.8,3.7b
NEIC VI 01 05 35 37.2 64.79N 148.03W 15 4.3b,3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.6km az=27.8.
IDC Error ellipse: s-maj=27.8km s-min=14.9km az=42.0.
NEIC Event type fe. Felt [III] at Fairbanks and Fort Wainwright and [II] at North Pole. Also felt at Clear, Eielson AFB, Ester, Healy and Nenana. After AEIC.
ISC VI 09 16 41 11.3–.77 63.16N–.03 150.48W–.04 121–5 3.5b 93 0-153
ISCJB VI 09 16 41 10.3–.31 63.16N–.02 150.45W–.06 127–3 3.5b **¶13681062**
IDC VI 09 16 41 11.0–4.2 63.27N 150.68W 115–32 3.3,3.2
NEIC VI 09 16 41 11.8 63.16N 150.48W 116 3.1,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.7km az=23.9.
IDC Error ellipse: s-maj=41.0km s-min=24.2km az=44.0.
NEIC Event type se. After AEIC.
ISC VI 14 19 22 02.2–.86 62.25N–.03 147.41W–.03 59–9 87 1-173
ISCJB VI 14 19 22 01.3–.24 62.27N–.02 147.41W–.05 71–5 3.6b **¶13681380**
IDC VI 14 19 22 01.8–2.1 62.30N 147.64W 62–20 3.3b
NEIC VI 14 19 22 03.0 62.25N 147.42W 55 3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.3km az=162.6.
IDC Error ellipse: s-maj=23.1km s-min=15.1km az=83.0.
NEIC Event type se. After AEIC.
ISC VI 17 03 48 49.9–.72 62.09N–.02 152.62W–.03 10 3.7b 79 1-53
ISCJB VI 17 03 48 49.6–.28 62.10N–.02 152.71W–.05 10 3.7b **¶13197241**
NEIC VI 17 03 48 49.7 62.09N 152.74W 6 3.6L
IDC VI 17 03 48 52.0–1.2 62.27N 153.28W 0 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=16.3.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=25.7km s-min=15.8km az=119.0.
ISC VI 21 05 58 16.3–.79 62.15N–.03 151.47W–.03 90–6 3.3b 92 0-63
IDC VI 21 05 58 14.3–1.6 62.17N 151.77W 70–18 3.5,3.2 **¶13681763**
ISCJB VI 21 05 58 15.0–.31 62.15N–.02 151.43W–.06 99–4 3.4b,3.2
NEIC VI 21 05 58 17.3 62.15N 151.47W 82 3.3,3.2
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=9.8km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.6km az=17.1.
NEIC Event type se. After AEIC.

(2) Southern Alaska.

ISC I 02 01 06 11.1–.79 59.00N–.03 153.87W–.04 115–6 77 0-65
IDC I 02 01 06 10.0–1.8 59.12N 154.00W 92–29 3.1,3.0b **¶12079791**
ISCJB I 02 01 06 10.1–.40 58.98N–.03 153.83W–.07 118–4 3.2b,3.0b
NEIC I 02 01 06 12.6 58.96N 153.88W 107 3.1,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=14.8km az=103.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=30.1.
NEIC Event type se. After AEIC.
ISC I 06 08 19 02.4–.52 62.00N–.03 152.32W–.04 143–4 3.9b 138 0-82
ISCJB I 06 08 19 01.0–.24 62.03N–.02 152.32W–.05 144–2 3.8b **¶12080482**
IDC I 06 08 19 01.6–.66 62.01N 152.33W 135–6 3.7,3.6
NEIC I 06 08 19 02.7 61.98N 152.30W 142 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=30.0.
IDC Error ellipse: s-maj=10.0km s-min=9.4km az=96.0.
NEIC Event type se. After AEIC.
ISC I 08 03 15 14.9–.88 61.68N–.03 150.63W–.03 57–7 59 0-64
ISCJB I 08 03 15 13.5–.33 61.68N–.03 150.59W–.06 67–4 3.0b **¶12080706**
NEIC I 08 03 15 15.3 61.66N 150.63W 57 3.2L
IDC I 08 03 15 15.3–8.2 61.69N 150.57W 54–72 3.2,3.0L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.4km az=16.1.
NEIC Event type fe. Felt at Anchorage. After AEIC.
IDC Error ellipse: s-maj=55.7km s-min=24.7km az=44.0.
ISC I 16 02 56 51.2–.53 61.87N–.02 142.85W–.02 10 3.5b 82 0-59
NEIC I 16 02 56 50.2 61.88N 142.82W 0 3.6L **¶11596021**
IDC I 16 02 56 52.7–.96 62.05N 142.82W 0 3.6,3.5b
PGC I 16 02 56 54.6–8.4 61.96N 142.64W 20 3.7L,3.5b
ISC Event type ke.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=17.4km s-min=10.2km az=39.0.
PGC Event type ke. 217km Ene of Valdez, Ak Southern Alaska.
ISC I 19 16 03 23.4–1.3 61.89N–.03 142.72W–.03 0–10 3.7b 64 1-66
PGC I 19 16 03 25.0–10 61.90N 142.99W 1 3.9L **¶11611016**
NEIC I 19 16 03 24.5 61.88N 142.84W 5 3.6L
IDC I 19 16 03 26.2–.78 62.09N 142.76W 0 3.6,3.5
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 197km Ene of Valdez, Ak Southern Alaska.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=14.0km s-min=9.2km az=38.0.
ISC I 21 12 40 34.5–1.2 61.89N–.02 142.70W–.03 4–10 84 1-59
NEIC I 21 12 40 34.8 61.88N 142.80W 0 3.3L **¶11615835**
PGC I 21 12 40 35.2–8.5 61.88N 142.91W 1 3.7L
IDC I 21 12 40 36.2–.98 62.01N 142.73W 0 3.6b,3.4
ISC Event type ke.
NEIC Event type se. After AEIC.
PGC Event type ke. 200km Ene of Valdez, Ak Southern Alaska.
IDC Error ellipse: s-maj=15.7km s-min=9.6km az=38.0.
ISC I 22 03 37 53.9–.71 59.50N–.03 152.74W–.04 104–5 3.8b 121 0-149
ISCJB I 22 03 37 52.7–.30 59.49N–.03 152.74W–.05 110–3 3.7b **¶12082027**
IDC I 22 03 37 53.0–1.6 59.51N 152.98W 90–19 3.6,3.5b
NEIC I 22 03 37 55.2 59.50N 152.77W 95 3.5,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.4km az=43.8.
IDC Error ellipse: s-maj=22.8km s-min=14.6km az=120.0.
NEIC Event type se. After AEIC.
ISC I 24 12 18 45.7–.85 59.01N–.04 152.62W–.04 71–7 3.5b 93 1-72
ISCJB I 24 12 18 44.6–.32 58.98N–.03 152.56W–.05 77–4 3.3b **¶12082214**
IDC I 24 12 18 46.7–7.7 59.31N 153.01W 61–59 3.9L,3.4
NEIC I 24 12 18 46.7 59.01N 152.67W 60 3.4L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=145.2.
IDC Error ellipse: s-maj=55.5km s-min=37.1km az=2.0.
NEIC Event type se. After AEIC.
ISC I 24 18 09 49.9–.14 59.55N–.02 153.12W–.02 100 5.8b 2623 0-163
DJA I 24 18 09 40 59.39N 153.53W 10 5.5b **¶13989218**
BJI I 24 18 09 46.8 59.53N 153.07W 103 5.8b,5.6b
IDC I 24 18 09 47.9–.92 59.53N 153.18W 81–9 5.1,5.1
MOS I 24 18 09 48.6–.90 59.62N 153.21W 101 5.8b,5.2s
ISCJB I 24 18 09 48.8–.08 59.66N–.01 153.23W–.02 99 5.7b,5.2s
NEIC I 24 18 09 50.8 59.43N 152.89W 98 5.8b,5.7W
SZGRF I 24 18 09 53.3 59.68N 153.01W 104 6.2b,5.7W
BGS I 24 18 09 57.7–1.5 60.57N 151.59W 98 5.7b,5.7W
ISC Event type fe.
IDC Error ellipse: s-maj=8.4km s-min=8.3km az=166.0.
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=94.6.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.3km az=30.7.

NEIC Event type fe. Felt [IV] at Anchor Point, Homer, Kasilof, Sterling and Willow; [III] at Anchorage, Eagle River, Girdwood, Kenai, Nikiski, Ninilchik, Palmer, Seward, Soldotna and Talkeetna; [II] at Chugiak, Elmendorf AFB, Indian, Kodiak, Seldovia, Valdez and Wasilla. Also felt at Big Lake, Clam Gulch, Cooper Landing, Cordova, Eek, Glennallen, Houston, Moose Pass, Pedro Bay, Port Alsworth, Port Lions, Sutton and Whittier. After AEIC. Moment Tensor Solution. s76 Moment tensor: Scale 10^{17}Nm; M_{rr}2.54 $M_{\theta\theta}$-3.79 $M_{\phi\phi}$1.25 $M_{r\theta}$1.38 $M_{\theta\phi}$1.78 $M_{\theta r}$2.58 Best double couple: NP1:ϕ_s320.00000°,δ53.00000°,λ145.00000°. NP2: ϕ_s74.00000°,δ62.00000°,λ42.00000°. Principal axes: T 5.0900,Plg48.0000°,Azm291.0000° ; N -0.6900,Plg40.0000°,Azm100.0000°; P -4.4100,Plg5.0000°,Azm195.0000° M_o4.80000×10^{17}
SZGRF Southern Alaska, United States.
BGS Error ellipse: s-maj=175.8km s-min=707.0km az=-1.0.
ISC I 26 03 20 25.4–.71 59.94N–.03 152.82W–.04 110–5 4.2b 112 0-65
ISCJB I 26 03 20 24.0–.27 59.97N–.02 152.82W–.05 117–2 3.9b **¶12082347**
IDC I 26 03 20 23.3–1.4 59.99N 153.10W 81–20 3.7,3.6b
NEIC I 26 03 20 26.0 59.95N 152.86W 106 3.4,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.4km az=37.8.
IDC Error ellipse: s-maj=22.7km s-min=10.4km az=107.0.
NEIC Event type se. After AEIC.
ISC II 02 01 54 31.1–.75 59.71N–.04 153.36W–.05 134–5 3.8b 88 0-62
IDC II 02 01 54 30.4–1.8 59.71N 153.57W 112–30 3.4,3.4b **¶12699376**
NEIC II 02 01 54 32.9 59.65N 153.26W 125 3.2,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=18.1km az=112.0.
NEIC Event type se. After AEIC.
ISC II 05 22 04 35.1–.83 59.87N–.04 153.03W–.04 123–6 93 0-65
IDC II 05 22 04 33.0–1.6 59.93N 153.17W 91–26 3.6,3.4 **¶11671818**
ISCJB II 05 22 04 34.1–.35 59.86N–.03 152.99W–.07 128–3 3.5b,3.4
NEIC II 05 22 04 36.5 59.85N 152.99W 115 3.4,3.4
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=11.3km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.1km az=34.6.
NEIC Event type se. After AEIC.
ISC II 06 19 31 22.6–.80 59.81N–.03 153.18W–.04 125–6 3.9b 102 0-65
IDC II 06 19 31 20.7–1.6 59.85N 153.33W 97–26 3.7b,3.5 **¶12699687**
ISCJB II 06 19 31 21.6–.28 59.80N–.03 153.13W–.06 131–3 3.8b,3.5
NEIC II 06 19 31 24.0 59.80N 153.16W 117 3.2,3.5
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=11.5km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.5km az=41.0.
NEIC Event type se. After AEIC.
ISC II 10 07 42 54.4–.71 61.79N–.03 151.21W–.03 72–6 3.5b 110 0-64
ISCJB II 10 07 42 52.7–.23 61.80N–.02 151.16W–.05 78–3 3.5b **¶11670431**
IDC II 10 07 42 52.5–1.5 61.78N 151.34W 55–14 3.6,3.5
NEIC II 10 07 42 54.6 61.79N 151.18W 68 3.5L,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.1km az=29.7.
IDC Error ellipse: s-maj=19.7km s-min=9.3km az=109.0.
NEIC Event type fe. Felt at Anchorage. After AEIC.
ISC II 15 19 34 57.9–.52 61.65N–.02 146.42W–.02 30–3 4.5b,3.6s 411 0-147
SZGRF II 15 19 34 49.9 60.16N 146.02W 33 4.8b,3.6s **¶15959435**
IDC II 15 19 34 53.1–.64 61.74N 146.70W 0 4.2,4.1
BJI II 15 19 34 54.5 61.65N 146.20W 27 5.0s,5.0b
MOS II 15 19 34 57.8–1.6 62.54N 147.57W 10 4.9b,5.0b
ISCJB II 15 19 34 58.5–.19 61.67N–.02 146.42W–.04 45–2 4.4b,3.7s
NEIC II 15 19 35 00.1 61.60N 146.33W 37 4.5b,4.5W
ISC Event type fe.
SZGRF Southern Alaska, United States.
IDC Error ellipse: s-maj=17.4km s-min=9.0km az=27.0.
MOS Error ellipse: s-maj=23.8km s-min=6.2km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.3km az=37.6.
NEIC Event type fe. Felt [III] at Valdez. Also felt at Anchorage, Chitina, Chugiak, Copper Center, Eagle River, Glennallen, Talkeetna and Trapper Creek. After AEIC. Moment Tensor Solution. M_o6.80000×10^{15}
ISC II 16 19 49 36.1–.77 61.73N–.03 150.76W–.03 73–6 4.0b 93 0-64
ISCJB II 16 19 49 34.8–.24 61.74N–.02 150.75W–.05 82–3 3.8b **¶12700937**
IDC II 16 19 49 35.7–1.6 61.75N 150.84W 71–29 3.6,3.5
NEIC II 16 19 49 37.1 61.74N 150.79W 66 3.5L,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=37.4.
IDC Error ellipse: s-maj=44.0km s-min=10.0km az=113.0.
NEIC Event type fe. Felt at Anchorage, Chugiak, Girdwood, Talkeetna and Wasilla. After AEIC.
ISC II 19 07 31 58.4–.82 60.07N–.03 152.63W–.04 91–6 3.4b 82 0-64
ISCJB II 19 07 31 57.4–.35 60.08N–.03 152.61W–.07 99–3 3.5b **¶12701217**
IDC II 19 07 31 57.8–1.5 60.07N 152.57W 87–27 3.3b,3.2
NEIC II 19 07 31 59.4 60.11N 152.70W 86 3.1,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.3km az=25.4.
IDC Error ellipse: s-maj=40.1km s-min=10.7km az=109.0.
NEIC Event type se. After AEIC.
ISC II 20 23 32 35.4–.85 59.46N–.03 152.69W–.04 78–6 3.6b 88 0-65
ISCJB II 20 23 32 34.6–.27 59.45N–.03 152.66W–.05 89–3 3.5b **¶12701378**
IDC II 20 23 32 35.8–8.2 59.56N 152.79W 75–66 4.0,4.0s
NEIC II 20 23 32 37.1 59.44N 152.69W 62 3.3L,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.4km az=136.3.
IDC Error ellipse: s-maj=57.4km s-min=41.9km az=12.0.
NEIC Event type se. After AEIC.
ISC II 23 00 04 26.4–.21 59.03N–.02 153.79W–.02 94–1 4.9b 1159 0-150
SZGRF II 23 00 04 15.0 58.43N 157.68W 33 4.9b **¶13434997**
MOS II 23 00 04 24.6–.83 59.16N 153.99W 91 4.9b
ISCJB II 23 00 04 25.4–.17 59.18N–.01 153.95W–.02 96–1 4.9b
BJI II 23 00 04 26.6 59.66N 154.24W 95 5.2b,5.1b
IDC II 23 00 04 27.1–.50 59.23N 153.91W 96–3 4.6,4.5
NEIC II 23 00 04 27.2 58.92N 153.63W 88 5.0b,5.0W
BGS II 23 00 04 33.0–1.8 60.04N 152.60W 88 4.8b,5.0W
ISC Event type fe.
SZGRF Alaska Peninsula, United States.
MOS Error ellipse: s-maj=8.5km s-min=4.0km az=88.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=24.3.
IDC Error ellipse: s-maj=10.0km s-min=7.4km az=8.0.
NEIC Event type fe. Felt at Homer and Kodiak. After AEIC. Moment Tensor Solution. M_o3.70000×10^{16}
BGS Error ellipse: s-maj=340.1km s-min=999.9km az=-1.0.
ISC II 28 20 47 51.8–.91 59.86N–.04 153.37W–.05 134–7 74 0-64
IDC II 28 20 47 50.0–1.9 59.92N 153.74W 98–27 3.2,3.0 **¶12702141**
ISCJB II 28 20 47 52.1–.42 59.89N–.04 153.28W–.08 134–4 2.9b,3.0
NEIC II 28 20 47 54.3 59.86N 153.36W 123 2.7,3.0
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=11.8km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.6km az=39.1.
NEIC Event type se. After AEIC.
ISC III 01 16 03 14.9–.55 59.83N–.04 152.74W–.04 94–5 4.1b 156 0-149
ISCJB III 01 16 03 14.0–.23 59.82N–.03 152.76W–.05 104–2 4.0b **¶12702202**
IDC III 01 16 03 14.1–1.6 59.96N 152.98W 79–16 3.8,3.7b
NEIC III 01 16 03 16.6 59.81N 152.77W 85 4.3b,3.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=147.1.
IDC Error ellipse: s-maj=13.0km s-min=11.6km az=163.0.
NEIC Event type fe. Felt at Homer. After AEIC.
ISC III 04 02 07 06.3–.72 61.97N–.03 147.81W–.03 35–2 3.5b 104 0-64
IDC III 04 02 07 05.6–2.0 62.32N 147.91W 26–14 3.6,3.4b **¶12702396**
ISCJB III 04 02 07 06.1–.21 61.97N–.02 147.81W–.04 55–4 3.6b,3.4b
NEIC III 04 02 07 07.4 61.97N 147.82W 29 3.6L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=11.8km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.2km az=19.6.
NEIC Event type se. After AEIC.
ISC III 07 06 03 14.3–.90 61.88N–.03 147.20W–.03 55–8 63 0-65
ISCJB III 07 06 03 14.1–.29 61.91N–.03 147.18W–.05 66–6 3.5b **¶12702618**

IDC III 07 06 03 15.9–2.4 61.97N 147.24W 74–19 3.3b,3.2
NEIC III 07 06 03 16.2 61.89N 147.18W 40 3.2L,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.0km az=21.5.
IDC Error ellipse: s-maj=38.9km s-min=17.6km az=103.0.
NEIC Event type se. After AEIC.
ISC III 09 16 18 44.5–.97 60.01N–.04 152.74W–.05 110–6 51 0-55
ISCJB III 09 16 18 43.7–.49 59.99N–.04 152.73W–.09 114–4 3.3b **¶12702806**
IDC III 09 16 18 44.3–2.1 59.98N 152.70W 92–36 3.3b,3.1
NEIC III 09 16 18 45.8 60.00N 152.78W 102 2.6,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.7km az=16.6.
IDC Error ellipse: s-maj=43.8km s-min=19.1km az=110.0.
NEIC Event type se. After AEIC.
ISC III 11 22 49 36.8–.94 59.50N–.04 152.89W–.04 93–7 73 0-58
ISCJB III 11 22 49 36.0–.38 59.49N–.03 152.85W–.07 101–5 3.6b **¶12703023**
IDC III 11 22 49 35.5–1.9 59.59N 153.09W 69–31 3.7,3.6s
NEIC III 11 22 49 38.2 59.51N 152.86W 84 3.0,3.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.1km az=40.9.
IDC Error ellipse: s-maj=39.4km s-min=11.5km az=103.0.
NEIC Event type se. After AEIC.
ISC III 12 11 25 20.6–.44 60.33N–.04 153.68W–.04 178–3 4.2b 390 0-150
IDC III 12 11 25 16.2–2.3 60.45N 154.31W 151–11 3.9,3.7 **¶11845842**
BJI III 12 11 25 17.0 60.30N 153.60W 170 4.9b,4.6b
ISCJB III 12 11 25 19.4–.21 60.40N–.02 153.74W–.05 177–1 4.2b,4.6b
NEIC III 12 11 25 20.3 60.30N 153.56W 192 4.4b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=10.5km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.2km az=37.5.
NEIC Event type se. After AEIC.
ISC III 16 06 40 21.6–.80 60.38N–.03 152.32W–.04 101–6 3.8b 86 0-64
IDC III 16 06 40 19.6–1.8 60.43N 152.54W 72–29 3.5,3.4b **¶12703403**
ISCJB III 16 06 40 20.3–.31 60.37N–.03 152.26W–.06 109–3 3.7b,3.4b
NEIC III 16 06 40 22.7 60.39N 152.36W 92 3.2,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=10.3km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=36.9.
NEIC Event type se. After AEIC.
ISC III 17 01 13 31.6–.50 60.26N–.03 152.19W–.03 91–4 4.0b 183 0-148
ISCJB III 17 01 13 31.0–.19 60.26N–.02 152.15W–.04 102–2 4.0b **¶12703474**
IDC III 17 01 13 30.0–1.1 60.28N 152.35W 73–11 3.9,3.9
NEIC III 17 01 13 33.1 60.24N 152.15W 90 3.9b,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=146.9.
IDC Error ellipse: s-maj=10.9km s-min=8.7km az=126.0.
NEIC Event type fe. Felt [III] at Anchorage, Homer and Kenai. Also felt at Elmendorf AFB and Ninilchik. After AEIC.
ISC III 20 02 40 26.2–.79 61.81N–.03 152.00W–.04 121–6 3.7b 105 0-68
IDC III 20 02 40 24.7–2.2 61.86N 152.10W 101–25 3.5b,3.5 **¶12703767**
ISCJB III 20 02 40 25.1–.28 61.79N–.02 151.99W–.06 127–3 3.7b,3.5
NEIC III 20 02 40 27.5 61.78N 152.00W 111 3.4,3.5
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=17.7km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.7km az=30.3.
NEIC Event type se. After AEIC.
IDC III 23 08 14 58.4–10 60.50N 152.12W 0 2.6,2.5
¶12635365
IDC Error ellipse: s-maj=108.1km s-min=29.6km az=23.0.
IDC III 23 09 41 01.6–14 60.25N 152.32W 0 3.0,2.8
¶12635373
IDC Error ellipse: s-maj=151.7km s-min=30.5km az=22.0.
IDC III 23 09 48 32.0–2.1 60.02N 152.71W 0 3.2,3.0
¶12635374
IDC Error ellipse: s-maj=36.3km s-min=15.6km az=104.0.
ISC III 26 22 10 53.1–1.3 60.52N–.03 147.91W–.02 8–9 57 1-56
IDC III 26 22 10 53.4–1.4 60.51N 147.92W 0 3.4b,3.4 **¶12084970**
NEIC III 26 22 10 54.5 60.56N 147.90W 4 3.0L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=13.8km az=118.0.
NEIC Event type se. After AEIC.
ISC IV 01 12 33 52.3–.62 61.65N–.03 150.95W–.04 80–5 4.0b 299 0-68
ISCJB IV 01 12 33 51.6–.21 61.69N–.02 150.83W–.05 75–1 3.9b **¶12934235**
IDC IV 01 12 33 51.2–1.9 61.79N 151.16W 66–16 3.9,3.7
NEIC IV 01 12 33 53.1 61.66N 150.89W 73 3.7,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.3km az=151.3.
IDC Error ellipse: s-maj=16.2km s-min=12.2km az=65.0.
NEIC Event type fe. Felt [II] at Anchorage. Also felt at Chugiak, Eagle River, Homer, Palmer and Willow. After AEIC.
IDC IV 04 14 00 15.4–493 60.10N 152.27W 0
¶16152368
IDC Error ellipse: s-maj=168.3km s-min=35.7km az=23.0.
ISC IV 06 20 31 19.2–.61 60.32N–.03 152.65W–.04 122–5 4.1b 125 0-150
IDC IV 06 20 31 17.2–1.1 60.34N 152.76W 100–12 3.9,3.9 **¶12934617**
ISCJB IV 06 20 31 18.2–.22 60.34N–.03 152.61W–.06 124–2 4.1b,3.9
NEIC IV 06 20 31 20.5 60.32N 152.65W 110 3.8,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=18.2km s-min=9.4km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=39.7.
NEIC Event type fe. Felt at Homer. After AEIC.
ISC IV 07 20 12 53.5–.25 61.51N–.03 149.88W–.03 41–2 4.8b,3.7s 793 0-151
BJI IV 07 20 12 49.3 61.50N 149.90W 30 4.9b,4.9b **¶13438137**
MOS IV 07 20 12 50.6–.87 61.63N 150.09W 28 5.2b,4.9b
ISCJB IV 07 20 12 53.5–.19 61.55N–.01 149.95W–.03 50–1 4.7b,3.8s
IDC IV 07 20 12 54.2–.47 61.48N 150.11W 48–4 4.5,4.4
NEIC IV 07 20 12 55.4 61.45N 149.74W 33 4.8b,4.6W
ISC Event type fe.
MOS Error ellipse: s-maj=11.3km s-min=4.6km az=93.7.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=36.0.
IDC Error ellipse: s-maj=9.3km s-min=8.9km az=85.0.
NEIC Event type fe. Felt [IV] at Anchorage, Chugiak and Eagle River; [III] at Big Lake, Elmendorf AFB, Fort Richardson, Girdwood, Palmer, Wasilla and Willow; [II] at Houston, Seward and Talkeetna. Also felt at Cooper Landing, Kenai, Moose Pass, Soldotna, Sterling, Sutton, Trapper Creek and Whittier. After AEIC. Moment Tensor Solution. $M_0$8.70000×10^{15}
ISC IV 09 01 22 48.4–.59 60.48N–.02 152.59W–.03 10 3.5b 92 0-55
NEIC IV 09 01 22 47.1 60.51N 152.67W 7 3.3L **¶12934922**
ISCJB IV 09 01 22 47.2–.23 60.50N–.02 152.64W–.05 10 3.5b
IDC IV 09 01 22 48.2–1.3 60.57N 152.51W 0 3.8,3.6
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=34.9.
IDC Error ellipse: s-maj=25.4km s-min=18.6km az=97.0.
ISC IV 11 15 02 28.4–.95 59.98N–.03 152.82W–.05 109–6 69 0-55
ISCJB IV 11 15 02 27.3–.38 60.00N–.03 152.77W–.08 114–4 3.9b **¶12935024**
IDC IV 11 15 02 27.3–1.6 60.00N 152.86W 87–28 3.7,3.5
NEIC IV 11 15 02 29.8 59.97N 152.80W 98 3.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=28.6.
IDC Error ellipse: s-maj=35.9km s-min=11.2km az=107.0.
NEIC Event type se. After AEIC.
ISC IV 12 01 37 40.7–.44 61.88N–.02 142.78W–.02 10 3.8b 130 1-73
NEIC IV 12 01 37 38.8 61.86N 142.79W 16 4.1W,4.0b **¶12935133**
ISCJB IV 12 01 37 39.3–.21 61.89N–.02 142.81W–.05 10 3.8b,4.0b
IDC IV 12 01 37 40.8–.64 62.02N 142.70W 0 3.9,3.8
PGC IV 12 01 37 41.0–4.5 61.92N 142.86W 5 4.1W,4.1L
ISC Event type ke.
NEIC Event type se. After AEIC. Moment Tensor Solution. $M_0$1.90000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=160.1.
IDC Error ellipse: s-maj=13.9km s-min=7.8km az=42.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. 204km Ene of Valdez, Ak Southern Alaska.
ISC IV 14 17 14 26.4–.40 60.21N–.03 153.14W–.03 122–3 4.4b 325 0-150
BJI IV 14 17 14 22.7 60.20N 153.00W 121 4.9b,4.6b **¶12583061**
IDC IV 14 17 14 24.6–.98 60.24N 153.30W 103–9 4.1,4.0
MOS IV 14 17 14 24.7–.70 60.24N 153.24W 121 4.6b,4.0
ISCJB IV 14 17 14 25.3–.15 60.19N–.02 153.10W–.04 127–1 4.4b,4.0
NEIC IV 14 17 14 27.4 60.16N 153.06W 118 4.5b,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=10.7km s-min=8.5km az=90.0.
MOS Error ellipse: s-maj=13.3km s-min=5.6km az=85.7.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=137.4.
NEIC Event type fe. Felt at Homer. After AEIC.
ISC IV 20 05 08 57.6–.78 61.82N–.03 151.68W–.04 108–6 3.1b 86 0-63
IDC IV 20 05 08 54.7–2.1 61.83N 152.23W 82–25 3.6,3.3 **¶12935770**
ISCJB IV 20 05 08 55.9–.33 61.82N–.02 151.63W–.06 114–4 3.1b,3.3
NEIC IV 20 05 08 57.7 61.82N 151.70W 104 3.2,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=14.5km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=24.3.
NEIC Event type se. After AEIC.
ISC IV 25 16 30 37.3–.88 59.91N–.04 152.92W–.05 120–6 57 0-57
ISCJB IV 25 16 30 37.4–.39 59.91N–.03 153.00W–.07 118–4 3.9b **¶16153383**
IDC IV 25 16 30 37.9–2.2 59.87N 153.24W 103–34 3.5b,3.4
NEIC IV 25 16 30 39.4 59.92N 159.04W 108 2.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.5km az=26.3.
IDC Error ellipse: s-maj=36.8km s-min=20.1km az=113.0.
NEIC Event type se. After AEIC.
ISC IV 26 13 50 50.0–.72 61.15N–.02 149.16W–.03 30–6 3.8b 105 0-79
IDC IV 26 13 50 48.6–.83 61.09N 149.64W 34–5 3.7,3.6 **¶12936225**
NEIC IV 26 13 50 50.3 61.18N 149.15W 23 3.9b,3.8L
ISC Event type fe.
IDC Error ellipse: s-maj=16.1km s-min=9.7km az=24.0.
NEIC Event type fe. Felt [III] at Anchorage, Elmendorf AFB and Girdwood; [II] at Chugiak, Eagle River, Fort Richardson, Palmer and Wasilla. After AEIC.
ISC IV 26 22 04 33.3–.93 61.88N–.03 146.78W–.03 48–11 4.1b 69 1-68
ISCJB IV 26 22 04 33.2–.28 61.91N–.02 146.75W–.06 62–6 4.0b **¶12936202**
IDC IV 26 22 04 34.5–2.7 62.24N 146.91W 39–41 3.8b,3.6
NEIC IV 26 22 04 34.6 61.92N 146.79W 24 3.3L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.0km az=168.0.
IDC Error ellipse: s-maj=53.7km s-min=18.1km az=142.0.
NEIC Event type se. After AEIC.
ISC V 04 11 46 41.8–.44 59.77N–.03 152.66W–.03 95–3 4.6b 278 0-149
BJI V 04 11 46 38.3 60.03N 153.09W 74 4.9s,4.9b **¶12750569**
IDC V 04 11 46 39.4–1.1 59.84N 152.97W 70–11 4.1,4.1
MOS V 04 11 46 39.8–.70 59.87N 152.97W 93 4.8b,4.1
ISCJB V 04 11 46 40.2–.18 59.79N–.02 152.69W–.04 100–2 4.4b,4.1
NEIC V 04 11 46 42.6 59.78N 152.73W 84 4.7b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=9.6km s-min=8.6km az=96.0.
MOS Error ellipse: s-maj=13.4km s-min=5.8km az=81.9.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.9km az=138.0.
NEIC Event type se. After AEIC.
ISC V 06 06 35 39.0–.86 59.84N–.04 153.62W–.04 145–6 76 0-57
IDC V 06 06 35 38.2–1.7 59.83N 153.70W 130–30 3.4b,3.2 **¶13678432**
ISCJB V 06 06 35 38.0–.39 59.84N–.03 153.60W–.07 149–4 3.7b,3.2
NEIC V 06 06 35 40.1 59.82N 153.58W 140 2.9,3.2
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=21.1km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.3km az=36.0.
NEIC Event type se. After AEIC.
ISC V 06 22 15 03.6–.84 61.81N–.04 152.02W–.04 115–6 3.6b 70 0-61
IDC V 06 22 15 00.4–7.9 61.80N 152.30W 75–70 3.2,3.1 **¶13678467**
ISCJB V 06 22 15 02.3–.33 61.81N–.03 152.00W–.07 120–3 3.5b,3.1
NEIC V 06 22 15 04.1 61.80N 152.01W 112 3.0,3.1
ISC Event type se.
IDC Error ellipse: s-maj=57.6km s-min=51.5km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=27.8.
NEIC Event type se. After AEIC.
ISC V 17 18 04 46.5–.56 60.24N–.03 152.75W–.04 117–4 3.8b 109 0-148
ISCJB V 17 18 04 45.6–.26 60.25N–.03 152.76W–.07 125–3 3.8b **¶13679132**
IDC V 17 18 04 45.9–1.7 60.34N 152.97W 105–16 4.1s,4.1
NEIC V 17 18 04 47.3 60.25N 152.80W 121 3.5,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=34.7.
IDC Error ellipse: s-maj=21.5km s-min=15.2km az=58.0.
NEIC Event type se. After AEIC.
ISC V 24 09 40 03.8–.27 59.83N–.03 153.29W–.03 129–2 4.7b 499 0-162
BJI V 24 09 40 01.4 60.15N 153.53W 117 5.1b,5.0b **¶12861556**
MOS V 24 09 40 02.5–1.1 59.94N 153.38W 130 4.7b,5.0b
ISCJB V 24 09 40 02.5–.14 59.86N–.02 153.36W–.03 131–1 4.6b,5.0b
IDC V 24 09 40 02.4–.56 59.78N 153.43W 117–5 4.4,4.4
NEIC V 24 09 40 04.5 59.77N 153.25W 126 4.7b,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=5.1km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.4km az=149.3.
IDC Error ellipse: s-maj=8.3km s-min=7.0km az=58.0.
NEIC Event type fe. Felt [II] at Eagle River, Kenai and Soldotna. Also felt at Anchorage, Homer, Kasilof and Sterling. After AEIC.
ISC V 27 10 51 09.5–1.2 59.83N–.05 152.9W–.10 118–10 22 1-58
IDC V 27 10 51 06.9–9.0 59.90N 153.47W 78–75 3.8L,3.6b **¶13679738**
ISCJB V 27 10 51 08.5–.78 59.85N–.05 152.9W–.20 124–7 4.0b,3.6b
NEIC V 27 10 51 10.8 59.87N 153.12W 114 2.5,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=63.9km s-min=39.7km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=6.8km az=17.9.
NEIC Event type se. After AEIC.
ISC VI 09 11 28 59.0–.43 60.35N–.03 152.23W–.03 99–3 4.0b 167 0-148
BJI VI 09 11 28 45.0 60.30N 152.10W 19 4.8b,4.5b **¶12954636**
ISCJB VI 09 11 28 56.6–.18 60.34N–.02 152.15W–.04 97–2 4.0b,4.5b
NEIC VI 09 11 28 58.8 60.34N 152.19W 83 3.8,4.5b
IDC VI 09 11 29 00.7–.72 60.58N 152.12W 108–5 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=143.7.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=14.6km s-min=10.6km az=24.0.
ISC VI 09 18 39 12.8–.43 59.10N–.03 154.22W–.04 135–4 3.9b 168 0-163
ISCJB VI 09 18 39 11.8–.18 59.08N–.02 154.23W–.05 140–2 3.8b **¶13681068**
NEIC VI 09 18 39 14.0 59.02N 154.16W 132 4.2b
IDC VI 09 18 39 14.3–.62 59.32N 154.32W 135–4 3.8,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.8km az=137.1.
NEIC Event type fe. Felt [III] at Homer. Also felt at Anchorage, Kodiak, Ninilchik and Seward. After AEIC.
IDC Error ellipse: s-maj=13.2km s-min=9.0km az=21.0.
ISC VI 12 03 11 34.2–.93 59.77N–.03 153.22W–.05 125–6 77 0-55
ISCJB VI 12 03 11 33.6–.38 59.77N–.03 153.16W–.08 127–4 3.7b **¶13681199**
IDC VI 12 03 11 33.1–1.8 59.84N 153.40W 90–30 3.3,3.2b
NEIC VI 12 03 11 35.8 59.77N 153.25W 117 2.9,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.9km az=25.3.
IDC Error ellipse: s-maj=36.7km s-min=12.0km az=105.0.
NEIC Event type se. After AEIC.
ISC VI 15 20 37 03.7–.63 59.31N–.04 153.01W–.04 92–5 4.1b 133 0-149
IDC VI 15 20 37 01.7–1.2 59.38N 153.28W 68–13 4.0,3.9 **¶13681454**
ISCJB VI 15 20 37 02.2–.21 59.30N–.03 152.94W–.05 98–2 4.0b,3.9
NEIC VI 15 20 37 04.7 59.34N 153.06W 82 4.3b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=13.3km s-min=9.9km az=101.0.

ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.1km az=140.8.
NEIC Event type fe. Felt at Homer and Sterling. After AEIC.

ISC	**VI**	**22 19 28 03.5–.24**	**61.97N–.02**	**150.78W–.02**	**63–1**	**5.7b**	**1422**	**0-165**
MOS	VI	22 19 28 01.3–.80	62.04N	150.94W	54	5.8b,4.4s		**¶14785634**
IDC	VI	22 19 28 03.6–.85	62.03N	150.86W	60–7	5.2,5.2		
BJI	VI	22 19 28 03.6	62.49N	151.43W	59	5.4b,5.3b		
ISCJB	VI	22 19 28 03.1–.17	62.02N–.01	150.75W–.03	69–1	5.5b,5.3b		
NEIC	VI	22 19 28 05.2	61.94N	150.70W	65	5.6b,5.5W		
BGS	VI	22 19 28 07.5–1.3	62.15N	148.83W	67	5.4b,5.5W		
GCMT	VI	22 19 28 09.3–.20	62.04N	151.02W	86–1	5.5W,5.5W		
SZGRF	VI	22 19 28 10.8	62.68N	150.74W	70	6.1b,5.5W		
DJA	VI	22 19 29 00.0–3.2	63N–24	153W–27	553–29	5.6b,5.1		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Trapper Creek; [IV] at Anchorage, Elmendorf AFB, Chugiak, Eagle River, Girdwood, Palmer, Talkeetna, Wasilla and Willow; [III] at Fort Richardson, Kenai, Soldotna and Sterling; [II] at Denali National Park, Fairbanks, Homer, Seward and Valdez. Also felt at Anchor Point, Cooper Landing, Cordova, Glennallen, Indian, Kasilof, Moose Pass, Ninilchik and North Pole. After AEIC. Moment Tensor Solution. s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.35 $M_{\theta\theta}$0.62 $M_{\phi\phi}$0.73 $M_{r\theta}$-0.95 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.26 Best double couple: NP1: ϕ_s120.00000°,δ63.00000°,λ-108.00000°. NP2:ϕ_s334.00000°,δ32.00000°,λ-59.00000°. Principal axes: T 1.7600,Plg15.0000°,Azm222.0000°; N -0.0200,Plg15.0000°,Azm127.0000° ; P -1.7300,Plg67.0000°,Azm355.0000° $M_0$1.70000×10^{17} Moment Tensor Solution. $M_0$1.30000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 93, comp=179, per= 50. Moment Tensor Solution. s88,c147; s9,c9; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.78±.03 $M_{\theta\theta}$-1.39±.04; $M_{\phi\phi}$2.17±.04; $M_{r\theta}$-0.95±.03; $M_{\theta\phi}$-0.97±.04; $M_{\phi r}$-0.05±.03; Best double couple: NP1:ϕ_s26.00000°,δ65.00000°,λ-22.00000°. NP2:ϕ_s126.00000°,δ70.00000°,λ-153.00000°. Principal axes: T 2.4300,Plg4.0000°,Azm255.0000°; N -0.1900,Plg57.0000°,Azm159.0000° ; P -2.2400,Plg33.0000°,Azm347.0000° $M_0$2.30000×10^{17}
SZGRF Central Alaska, United States.

NEIC	**VI**	**22 19 29 59.0**	**61.93N**	**150.71W**	**61**	**3.8L**		
								¶16606189

NEIC Event type se. After AEIC.

NEIC	**VI**	**22 19 56 45.3**	**61.93N**	**150.69W**	**61**	**4.0L**		
								¶14931625

NEIC Event type se. After AEIC.

ISC	**VI**	**23 14 27 55.7–.55**	**61.93N–.03**	**150.64W–.03**	**63–4**	**4.4b**	**121**	**0-73**
BJI	VI	23 14 27 49.6	61.43N	149.97W	53	4.7b		**¶13316229**
ISCJB	VI	23 14 27 54.8–.20	61.95N–.02	150.59W–.05	74–3	4.5b		
IDC	VI	23 14 27 54.0–1.6	61.95N	150.85W	59–17	3.9,3.8		
NEIC	VI	23 14 27 56.6	61.93N	150.66W	58	4.1W,4.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=40.9.
IDC Error ellipse: s-maj=31.4km s-min=9.6km az=115.0.
NEIC Event type fe. Felt [III] at Anchorage and [II] at Eagle River and Wasilla. Also felt at Homer, Palmer, Talkeetna and Willow. After AEIC. Moment Tensor Solution. $M_0$1.50000×10^{15}

ISC	**VI**	**26 02 07 49.9–.74**	**61.74N–.03**	**152.03W–.03**	**111–5**	**3.9b**	**111**	**0-79**
IDC	VI	26 02 07 46.8–2.2	61.76N	152.31W	76–34	3.6,3.5		**¶13279142**
ISCJB	VI	26 02 07 48.3–.23	61.75N–.02	152.00W–.05	118–3	3.9b,3.5		
NEIC	VI	26 02 07 50.4	61.75N	152.04W	106	3.4,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=44.4km s-min=10.1km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.1km az=40.1.
NEIC Event type se. After AEIC.

ISC	**VI**	**26 16 48 19.9–.39**	**61.93N–.03**	**150.63W–.03**	**68–3**	**4.6b**	**351**	**0-152**
MOS	VI	26 16 48 17.4–.80	61.97N	150.90W	64	5.1b		**¶13280081**
ISCJB	VI	26 16 48 18.6–.17	61.92N–.02	150.60W–.04	77–2	4.4b		
BJI	VI	26 16 48 18.0	61.90N	150.60W	48	4.9b,4.8b		
NEIC	VI	26 16 48 20.7	61.91N	150.64W	60	4.9b,4.2L		
IDC	VI	26 16 48 20.5–.53	62.06N	150.78W	73–4	4.1,4.0		

ISC Event type fe.
MOS Error ellipse: s-maj=15.5km s-min=4.9km az=87.7.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=147.7.
NEIC Event type fe. Felt [III] at Anchorage and Eagle River; [II] at Palmer and Wasilla. Also felt at Chugiak, Seward, Talkeetna and Willow. After AEIC.
IDC Error ellipse: s-maj=14.6km s-min=10.4km az=28.0.

ISC	**VI**	**27 23 37 51.6–.88**	**61.53N–.03**	**149.99W–.03**	**51–8**	**3.4b**	**70**	**0-64**
IDC	VI	27 23 37 49.7–1.4	61.61N	150.59W	43–18	3.4,3.2		**¶13682166**
ISCJB	VI	27 23 37 50.3–.28	61.56N–.03	149.99W–.05	64–4	3.4b,3.2		
NEIC	VI	27 23 37 52.2	61.55N	149.95W	46	3.4L,3.2		

ISC Event type fe.
IDC Error ellipse: s-maj=26.9km s-min=9.6km az=110.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.4km az=158.1.
NEIC Event type fe. Felt at Anchorage and Willow. After AEIC.

ISC	**VI**	**30 02 14 23.1–.64**	**60.49N–.02**	**152.64W–.03**	**10**		**77**	**0-55**
ISCJB	VI	30 02 14 22.1–.24	60.51N–.02	152.64W–.05	10	3.4b		**¶13682292**
NEIC	VI	30 02 14 22.0	60.51N	152.67W	7	3.1L		
IDC	VI	30 02 14 24.3–1.3	60.40N	152.95W	0	3.7,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.3km az=33.3.
NEIC Event type fe. Felt at Homer. After AEIC.
IDC Error ellipse: s-maj=30.2km s-min=16.7km az=103.0.

(3) Bering Sea.

ISC	**V**	**16 09 43 20.3–.80**	**57.95N–.09**	**164.55E–.08**	**35**	**3.5b**	**33**	**2-85**
KRSC	V	16 09 43 13.0–1.2	58.14N	164.72E	21–20	3.9L		**¶13679047**
IDC	V	16 09 43 14.4–1.1	58.17N	164.04E	0	3.9,3.6		
ISCJB	V	16 09 43 18.4–.51	57.97N–.05	164.55E–.09	33	3.5b,3.1s		

ISC Event type se.
KRSC Event type se.
ISCJB Event type se.

KRSC	**VI**	**05 09 07 58.4–1.7**	**58.27N**	**165.07E**	**10–10**	**4.3L**		
								¶14775899

KRSC Event type se.

KRSC	**VI**	**05 09 12 09.0–1.9**	**58.18N**	**165.08E**	**9–10**	**3.9L**		
								¶14775900

KRSC Event type se.

KRSC	**VI**	**05 11 23 33.4–1.9**	**58.19N**	**165.10E**	**10–10**	**4.1L**		
								¶14775902

KRSC Event type se.

(4) Komandorsky Islands region.

ISC	**I**	**02 05 05 17.7–1.8**	**55.40N–.06**	**166.41E–.05**	**13–12**	**3.8b**	**54**	**0-66**
MOS	I	02 05 05 18.5–1.6	55.38N	166.36E	31	4.1b		**¶12079801**
ISCJB	I	02 05 05 18.5–.75	55.31N–.05	166.31E–.06	28–5	3.7b		
KRSC	I	02 05 05 18.1–1.1	55.34N	166.21E	20–20	4.2L		
IDC	I	02 05 05 21.5–5.4	55.49N	166.33E	33–47	3.9,3.7		

ISC Event type ke.
MOS Error ellipse: s-maj=14.4km s-min=13.9km az=107.1.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.6km az=175.8.
KRSC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=13.3km az=3.0.

IDC	**I**	**02 08 08 03.0–1.9**	**55.51N**	**166.42E**	**0**	**3.7,3.6L**		
								¶12079809

IDC Error ellipse: s-maj=67.8km s-min=23.6km az=170.0.

KRSC	**I**	**09 20 00 56.2–1.2**	**53.37N**	**168.82E**	**20–20**	**4.2L**		
MOS	I	09 20 01 08.2–1.1	53.70N	167.63E	33	4.3b		**¶13917731**

KRSC Event type se.
MOS Error ellipse: s-maj=35.8km s-min=23.6km az=37.1.

KRSC	**I**	**10 01 51 32.8–.00**	**55.01N**	**165.58E**	**28–22**	**3.9L**		
								¶14345007

KRSC Event type se.

ISC	**I**	**18 19 42 51.1–2.1**	**55.55N–.07**	**166.67E–.07**	**14–11**		**47**	**1-50**
KRSC	I	18 19 42 53.3–.30	55.54N	166.19E	5–5	3.7L		**¶12081667**
IDC	I	18 19 42 53.3–1.4	55.39N	166.74E	0	3.6,3.5		
ISCJB	I	18 19 42 54.7–.90	55.48N–.05	166.30E–.09	24–7	3.4b,3.5		

ISC Event type ke.
KRSC Event type se.
ISCJB Event type ke.

KRSC	**I**	**22 01 18 50.3–.00**	**54.13N**	**164.36E**	**47–47**	**3.7L**		
								¶14345026

KRSC Event type se.

KRSC	**I**	**24 10 34 07.9–.20**	**55.30N**	**166.62E**	**22–22**	**3.8L**		
								¶14345029

KRSC Event type se.

ISC	**I**	**27 23 57 11.4–.32**	**55.48N–.03**	**164.26E–.02**	**14–1**	**5.2b,5.2s**	**1879**	**1-155**
BJI	I	27 23 57 07.0	55.60N	164.30E	10	5.6s,5.2		**¶13434046**
IDC	I	27 23 57 09.6–.31	55.53N	164.31E	0	5.1,5.1		
ISCJB	I	27 23 57 10.1–.08	55.51N–.02	164.32E–.02	15	5.2b,5.2s		
MOS	I	27 23 57 12.7–.99	55.46N	164.37E	42	5.3b,5.0s		
NEIC	I	27 23 57 13.3–1.3	55.54N	164.30E	24–9	5.4b,5.2s		
KRSC	I	27 23 57 14.5–.20	55.36N	164.31E	52–48	5.4L,5.2s		
SZGRF	I	27 23 57 24.0	56.85N	164.78E	33	5.2b,5.2s		

ISC Event type se.
IDC Error ellipse: s-maj=9.9km s-min=7.2km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=1.4km az=166.3.
MOS Error ellipse: s-maj=7.9km s-min=6.4km az=93.8.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.2km az=167.0.
KRSC Event type se.
SZGRF Komandorsky Islands, Russia, region.

KRSC	**II**	**04 04 35 58.5–1.5**	**53.93N**	**169.25E**	**41–40**	**3.6L**		
								¶14330675

KRSC Event type se.

KRSC	**II**	**10 22 55 47.1–.70**	**55.64N**	**164.04E**	**12–11**	**3.6L**		
								¶14330687

KRSC Event type se.

KRSC	**II**	**14 07 17 26.3–.10**	**55.10N**	**165.26E**	**29–19**	**4.0L**		
								¶14330691

KRSC Event type se.

ISC	**II**	**20 23 56 01.8–1.6**	**54.97N–.05**	**165.42E–.05**	**8–11**	**3.7b**	**64**	**0-60**
KRSC	II	20 23 56 01.7–.30	54.91N	165.67E	37–43	4.0L		**¶12701382**
IDC	II	20 23 56 02.4–1.7	55.42N	165.36E	0	4.0L,3.7		

ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=50.7km s-min=17.1km az=170.0.

KRSC	**II**	**21 14 35 52.0–.70**	**55.61N**	**165.70E**	**5–5**	**3.8L**		
								¶14330713

KRSC Event type se.

KRSC	**II**	**26 21 12 37.4–1.0**	**55.49N**	**166.09E**	**34–36**	**3.6L**		
								¶14330725

KRSC Event type se.

KRSC	**III**	**02 09 48 31.1–.90**	**56.09N**	**164.82E**	**18–17**	**3.6L**		
								¶14523364

KRSC Event type se.

KRSC	**III**	**09 16 30 17.1–.50**	**55.08N**	**164.72E**	**40–30**	**3.5L**		
								¶14523630

KRSC Event type se.

KRSC	**III**	**25 07 53 31.4–.40**	**56.09N**	**164.29E**	**23–22**	**3.5L**		
								¶14524217

KRSC Event type se.

ISC	**III**	**25 17 43 17.6–.75**	**54.78N–.05**	**166.25E–.05**	**35**	**3.7b**	**72**	**0-83**
IDC	III	25 17 43 14.0–.78	55.09N	166.00E	0	3.8,3.7b		**¶12635577**
MOS	III	25 17 43 16.6–1.4	54.85N	166.23E	41	4.2b,3.7b		
ISCJB	III	25 17 43 17.6–.50	54.70N–.03	166.04E–.05	33	3.6b,3.7b		
KRSC	III	25 17 43 18.0–.90	54.70N	165.84E	10–10	4.1L,3.7b		

ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=13.8km az=23.0.
MOS Error ellipse: s-maj=14.4km s-min=11.9km az=40.8.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.1km az=171.4.
KRSC Event type se.

ISC	**III**	**29 17 03 03.3–.84**	**53.81N–.08**	**168.73E–.05**	**30**	**3.4b**	**50**	**2-66**
IDC	III	29 17 03 00.2–.88	54.15N	168.82E	0	3.5,3.4		**¶12635874**
ISCJB	III	29 17 03 02.4–.48	53.81N–.07	168.70E–.05	30	3.1b,3.4		
MOS	III	29 17 03 02.5–.97	53.76N	168.85E	34	4.3b,3.4		
KRSC	III	29 17 03 04.2–1.5	53.74N	168.46E	88–92	4.2L,3.4		

ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=11.2km az=18.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.3km az=11.0.
MOS Error ellipse: s-maj=22.7km s-min=15.1km az=22.6.
KRSC Event type se.

ISC	**III**	**31 10 00 20.1–.94**	**54.2N–.10**	**169.93E–.06**	**10**	**3.3b**	**22**	**2-65**
ISCJB	III	31 10 00 18.9–.57	54.1N–.10	169.98E–.08	10	3.2b		**¶12636020**
IDC	III	31 10 00 19.4–1.0	54.20N	170.01E	0	3.7L,3.5		
KRSC	III	31 10 00 23.3–1.5	54.12N	169.39E	10–10	3.8L,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=5.7km az=11.8.
IDC Error ellipse: s-maj=34.3km s-min=12.0km az=32.0.
KRSC Event type se.

KRSC	**IV**	**03 08 02 05.8–.50**	**56.00N**	**164.37E**	**11–11**	**3.7L**		
								¶14509627

KRSC Event type se.

ISC	**IV**	**05 07 15 59.5–.38**	**54.87N–.04**	**165.66E–.03**	**42–2**	**4.3b,3.5s**	**226**	**0-83**
ISCJB	IV	05 07 15 56.3–.42	54.88N–.03	165.81E–.03	34–4	4.3b,3.7s		**¶12088414**
KRSC	IV	05 07 15 56.7–.70	54.87N	165.64E	23–22	4.5L,3.7s		
MOS	IV	05 07 15 57.3–.99	54.91N	165.74E	43	4.3b,3.7s		
BJI	IV	05 07 15 57.2	54.75N	165.78E	39	4.8b,4.6b		
NEIC	IV	05 07 15 58.7–.29	54.95N	165.73E	35	4.5b,4.6b		
IDC	IV	05 07 16 01.6–.83	54.95N	165.79E	63–5	3.9,3.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.0km az=170.8.
KRSC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=8.5km az=61.6.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=4.4km az=160.0.
IDC Error ellipse: s-maj=19.4km s-min=10.3km az=160.0.

KRSC	**IV**	**05 19 00 30.9–1.5**	**53.95N**	**168.87E**	**20–20**	**3.9L**		
								¶14509631

KRSC Event type se.

ISC	**IV**	**08 02 54 16.6–.83**	**54.02N–.09**	**169.18E–.06**	**25**	**3.3b**	**37**	**2-83**
KRSC	IV	08 02 54 12.5–.90	53.75N	169.19E	20–20	4.3L		**¶12934836**
IDC	IV	08 02 54 13.6–.77	54.25N	169.27E	0	3.7,3.7L		
ISCJB	IV	08 02 54 14.8–.50	53.98N–.08	169.12E–.06	25	3.4b,3.7L		
MOS	IV	08 02 54 15.5–1.2	54.16N	169.18E	29	4.4b,3.7L		

ISC Event type ke.
KRSC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=11.6km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.4km az=9.3.
MOS Error ellipse: s-maj=20.9km s-min=17.1km az=31.9.

KRSC	**IV**	**08 23 59 28.3–.50**	**53.89N**	**168.86E**	**10–10**	**3.7L**		
								¶14509635

KRSC Event type se.

KRSC	**IV**	**09 03 23 43.9–1.3**	**53.80N**	**168.50E**	**10–10**	**3.9L**		
								¶14509639

KRSC Event type se.

KRSC	**IV**	**09 04 00 48.2–.50**	**55.29N**	**165.42E**	**38–41**	**3.6L**		
								¶14509638

KRSC Event type se.

IDC	**IV**	**11 15 21 29.4–1.6**	**54.11N**	**169.22E**	**0**	**3.6,3.4**		
								¶16152671

IDC Error ellipse: s-maj=36.8km s-min=16.8km az=25.0.

IDC	**IV**	**13 09 39 11.7–1.6**	**55.31N**	**166.56E**	**0**	**3.6,3.3**		
								¶16152748

IDC Error ellipse: s-maj=33.7km s-min=17.9km az=36.0.

ISC	**IV**	**16 19 15 38.3–.35**	**54.99N–.03**	**165.72E–.03**	**23–1**	**5.0b,4.7s**	**951**	**0-145**
BJI	IV	16 19 15 33.3	55.10N	166.34E	23	5.1b,5.0s		**¶13438700**
IDC	IV	16 19 15 34.4–.45	55.03N	165.74E	0	4.9,4.8		
ISCJB	IV	16 19 15 36.5–.51	54.95N–.02	165.71E–.02	25–3	4.9b,4.7s		
MOS	IV	16 19 15 36.4–.93	54.95N	165.73E	25	5.1b,4.6s		
KRSC	IV	16 19 15 36.9–.40	54.95N	165.64E	29–28	5.4L,4.6s		
NEIC	IV	16 19 15 39.9–.15	55.04N	165.70E	35	5.0b,4.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=14.3km s-min=9.6km az=152.0.

ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=1.6km az=175.6.
MOS Event type fe. Error ellipse: s-maj=6.6km s-min=4.7km az=86.6. Felt (III-IV) at Nikol'skoye. Moment Tensor Solution.
KRSC Event type se.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=2.5km az=173.0. Felt [IV] at Nikol'skoye.
IDC IV 18 23 45 35.6–1.8 55.08N 165.87E 0 3.9,3.9s
¶16153011

IDC Error ellipse: s-maj=33.1km s-min=18.2km az=33.0.
KRSC IV 19 20 04 54.1–.20 55.00N 165.68E 26–15 3.7L
¶14510098

KRSC Event type se.
ISC IV 19 21 50 18.8–.94 54.91N–.06 165.70E–.05 20 39 0-40
ISCJB IV 19 21 50 17.9–.56 54.86N–.04 165.68E–.05 20 3.1b **¶12935619**
IDC IV 19 21 50 17.0–1.6 55.07N 165.73E 0 3.6,3.3
KRSC IV 19 21 50 20.0–.20 54.97N 165.64E 25–15 3.8L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.9km az=154.6.
IDC Error ellipse: s-maj=29.7km s-min=17.4km az=21.0.
KRSC Event type se.
ISC IV 20 06 28 29.2–2.1 54.82N–.04 164.15E–.04 2–15 3.4b 51 1-82
IDC IV 20 06 28 30.2–1.1 54.93N 164.11E 0 3.7,3.5 **¶12935761**
KRSC IV 20 06 28 33.4–.30 54.80N 163.98E 39–28 3.7L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=17.3km az=163.0.
KRSC Event type se.
IDC V 09 22 11 12.9–4.7 56.21N 164.78E 0 3.6,3.3
¶16155559

IDC Error ellipse: s-maj=161.9km s-min=24.8km az=178.0.
ISC V 15 07 32 55.9–.60 54.00N–.06 169.23E–.05 25 3.7b 96 2-83
IDC V 15 07 32 52.2–.64 54.05N 169.12E 0 4.0,4.0L **¶13439603**
KRSC V 15 07 32 53.8–1.1 53.97N 169.11E 20–20 4.5L,4.0L
ISCJB V 15 07 32 54.3–.37 53.95N–.04 169.11E–.04 25 3.7b,3.3s
MOS V 15 07 32 54.6–1.0 54.02N 169.23E 30 4.1b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=10.7km az=18.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.1km az=9.7.
MOS Error ellipse: s-maj=14.0km s-min=10.1km az=38.3.
KRSC V 16 12 21 05.9–.70 55.98N 164.50E 11–11 3.9L
¶14785110

KRSC Event type se.
ISC V 17 02 03 27.3–.30 53.97N–.04 169.12E–.03 26–1 4.6s,4.6b 478 2-144
MOS V 17 02 03 24.4–1.2 54.15N 169.12E 16 4.7b,4.5s **¶13184008**
IDC V 17 02 03 24.1–.45 54.26N 169.20E 0 4.4,4.4
KRSC V 17 02 03 25.7–.30 53.89N 168.65E 5–5 5.4L,4.4
BJI V 17 02 03 25.5 54.47N 169.05E 22 5.1s,5.0b
ISCJB V 17 02 03 26.6–.68 54.08N–.03 169.04E–.02 33–5 4.6s,4.5b
NEIC V 17 02 03 27.7–.88 54.09N 169.12E 28–6 4.7b,4.5b
GCMT V 17 02 03 29.0–.20 54.37N 169.18E 18–1 5.2W,4.5b
SZGRF V 17 02 03 37.3 55.37N 169.77E 33 4.4b,4.5b
ISC Event type se.
MOS Error ellipse: s-maj=7.1km s-min=5.3km az=110.6.
IDC Error ellipse: s-maj=13.2km s-min=8.6km az=10.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.1km az=4.2.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=3.9km az=170.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c91; s94,c164; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.29±.15 $M_{\theta\theta}$-6.96±.15; $M_{\phi\phi}$7.25±.15; $M_{r\theta}$0.37±.35; $M_{\theta\phi}$-1.09±.14; $M_{\phi r}$-0.63±.32; Best double couple: NP1:ϕ_s221.00000°,δ85.00000°,λ2.00000°. NP2:ϕ_s131.00000°,δ88.00000°,λ175.00000°. Principal axes: T 7.3900,Plg5.0000° ,Azm86.0000°; N -0.3300,Plg84.0000°,Azm295.0000°; P -7.0600,Plg3.0000°,Azm176.0000° $M_0$7.20000×10^{16}
SZGRF Komandorsky Islands, Russia, region.
ISC V 17 02 25 39.0–.41 53.99N–.05 169.11E–.04 25 4.1b 214 2-87
IDC V 17 02 25 36.4–.46 54.25N 169.17E 0 4.1L,4.1 **¶12860564**
ISCJB V 17 02 25 37.8–.22 54.14N–.04 169.08E–.03 25 4.0b,3.5s
MOS V 17 02 25 37.2–.88 54.11N 169.20E 21 4.2b,3.5s
NEIC V 17 02 25 37.7–1.8 54.24N 169.18E 9–11 4.3b,3.5s
KRSC V 17 02 25 38.7–.90 53.94N 168.60E 5–5 4.7L,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=8.9km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.1km az=5.9.
MOS Error ellipse: s-maj=9.1km s-min=8.0km az=123.6.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.0km az=172.0.
KRSC Event type se.
KRSC V 17 02 57 15.9–1.0 54.07N 168.74E 10–10 3.9L
¶14785121

KRSC Event type se.
KRSC V 17 14 15 11.4–.70 55.90N 164.61E 11–10 3.6L
¶14785126

KRSC Event type se.
ISC V 18 12 01 53.6–1.8 54.71N–.04 164.29E–.05 11–12 3.6b 73 1-82
IDC V 18 12 01 52.8–.86 54.74N 164.32E 0 3.8,3.5 **¶13679177**
KRSC V 18 12 01 54.2–.50 54.71N 164.18E 34–33 3.7L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=12.7km az=174.0.
KRSC Event type se.
ISC V 18 13 20 30.5–2.4 54.70N–.04 164.33E–.05 28–20 3.2b 61 1-82
IDC V 18 13 20 27.9–1.1 54.75N 164.25E 0 3.5,3.3 **¶13679182**
ISCJB V 18 13 20 30.4–.53 54.65N–.03 164.24E–.05 33–10 3.2b,3.3
KRSC V 18 13 20 30.4–.30 54.70N 164.13E 30–30 3.5L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=12.4km az=5.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.4km az=143.9.
KRSC Event type se.
ISC V 19 06 34 22.8–3.0 56.01N–.05 164.73E–.04 14–20 3.5b 89 1-67
IDC V 19 06 34 20.2–.96 56.02N 164.32E 0 3.7,3.5 **¶13679219**
MOS V 19 06 34 21.8–.48 56.03N 164.80E 11 4.1b,3.5
KRSC V 19 06 34 24.3–.60 55.91N 164.52E 10–10 4.2L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=17.0km az=10.0.
MOS Error ellipse: s-maj=14.4km s-min=13.1km az=47.4.
KRSC Event type se.
KRSC V 20 16 03 58.2–.10 55.05N 165.49E 30–20 3.6L
¶14785185

KRSC Event type se.
ISC V 20 21 30 08.7–3.4 54.76N–.05 164.19E–.05 13–22 3.9b 97 1-85
IDC V 20 21 30 06.9–.52 54.77N 164.28E 0 4.1,3.9L **¶13469807**
MOS V 20 21 30 11.1–2.5 54.69N 164.08E 57 4.1b,3.9L
KRSC V 20 21 30 11.9–.60 54.75N 163.91E 42–32 4.1L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=9.4km az=7.0.
MOS Error ellipse: s-maj=11.5km s-min=9.5km az=60.5.
KRSC Event type se.
KRSC V 20 23 34 47.6–.70 54.77N 164.05E 39–29 3.5L
¶14785186

KRSC Event type se.
KRSC V 27 01 11 21.9–.20 54.76N 165.67E 11–11 3.7L
¶14785288

KRSC Event type se.
KRSC V 28 02 04 55.8–.00 55.95N 164.74E 12–11 3.8L
¶14785305

KRSC Event type se.
KRSC V 31 03 53 05.6–.20 55.51N 166.17E 36–44 3.7L
¶14785369

KRSC Event type se.
ISC VI 11 22 40 25.0–.94 54.4N–.10 169.09E–.06 20 3.7b 36 2-65
KRSC VI 11 22 40 17.5–1.2 53.90N 169.52E 21–20 4.2L **¶13681191**
IDC VI 11 22 40 23.5–1.7 54.98N 168.89E 0 4.1,3.7
MOS VI 11 22 40 24.1–1.4 54.32N 169.00E 35 4.0b,3.7
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=86.4km s-min=25.4km az=163.0.
MOS Error ellipse: s-maj=33.8km s-min=18.6km az=168.3.
KRSC VI 12 07 36 07.9–.00 54.88N 165.83E 20–19 3.7L
¶14775915

KRSC Event type se.
ISC VI 13 02 27 47.0–4.2 54.0N–.10 168.8E–.20 25 32 2-7
MOS VI 13 02 27 37.2–.04 53.94N 169.74E 20 4.3b **¶14306013**
KRSC VI 13 02 27 42.2–.00 53.86N 169.00E 20–20 4.2L
ISC Event type se.
MOS Error ellipse: s-maj=74.2km s-min=31.6km az=9.4.
KRSC Event type se.
KRSC VI 18 15 08 24.4–.80 55.31N 165.67E 4–6 3.6L
¶14775930

KRSC Event type se.
KRSC VI 18 23 35 13.0–.00 55.08N 165.53E 27–17 3.6L
¶14775931

KRSC Event type se.
ISC VI 19 20 38 19.2–1.0 55.32N–.06 166.60E–.08 21–3 3.5b,2.9s 84 0-83
IDC VI 19 20 38 17.9–1.1 55.88N 166.30E 0 3.7L,3.6 **¶13681678**
MOS VI 19 20 38 18.7–1.9 55.54N 166.43E 25 4.0b,3.6
KRSC VI 19 20 38 18.1–.50 55.29N 166.55E 22–22 4.3L,3.6
ISCJB VI 19 20 38 20.4–.67 55.26N–.04 166.47E–.06 41–7 3.6b,2.9s
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC VI 28 11 45 35.2–2.3 53.09N 167.62E 41–41 3.8L
¶14775956

KRSC Event type se.
ISC VI 29 08 34 48.1–.92 55.34N–.07 166.59E–.05 20 3.5b 45 0-66
IDC VI 29 08 34 46.2–1.4 55.46N 166.62E 0 3.8,3.4 **¶13682245**
ISCJB VI 29 08 34 47.5–.61 55.38N–.05 166.49E–.06 20 3.4b,3.4
KRSC VI 29 08 34 48.5–.90 55.32N 166.32E 23–22 3.7L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=16.4km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.1km az=175.5.
KRSC Event type se.

(5) Near Islands.
IDC I 10 09 10 14.9–1.9 52.75N 173.59E 0 3.7,3.5
¶12080929

IDC Error ellipse: s-maj=48.4km s-min=7.3km az=19.0.
ISC I 11 12 17 41.6–.90 52.1N–.10 172.16E–.06 26 3.7b 34 1-69
IDC I 11 12 17 37.9–.94 51.88N 172.41E 0 4.0,3.8b **¶12081028**
ISCJB I 11 12 17 39.5–.77 51.9N–.10 172.3E–.10 26 3.9b,3.8b
NEIC I 11 12 17 39.8–.78 52.02N 172.40E 10 4.5b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=12.6km az=144.0.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=7.4km az=154.1.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=6.7km az=170.0.
ISC I 14 18 26 02.4–.81 52.3N–.10 174.61E–.06 31–4 4.3b 76 1-147
ISCJB I 14 18 26 01.0–1.9 52.2N–.10 174.7E–.10 36–14 4.3b **¶12081283**
NEIC I 14 18 26 02.8–1.8 52.29N 174.63E 33–10 4.9b
IDC I 14 18 26 02.0–.87 52.18N 174.67E 30–4 4.2L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=9.4km az=167.7.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=5.9km az=166.0.
IDC Error ellipse: s-maj=20.5km s-min=10.5km az=13.0.
ISC I 22 06 05 16.8–1.2 53.16N–.09 173.06E–.05 25–10 4.2b,3.4s 93 0-84
ISCJB I 22 06 05 14.4–1.4 53.15N–.05 173.09E–.06 23–10 4.1b,3.4s **¶13433915**
NEIC I 22 06 05 15.9–.96 53.12N 173.01E 20–6 4.4b,3.4s
IDC I 22 06 05 15.2–2.6 53.06N 173.03E 17–16 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.6km az=178.4.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.6km az=178.0.
IDC Error ellipse: s-maj=12.9km s-min=5.4km az=64.0.
ISC II 05 03 51 51.8–.99 52.6N–.10 171.14E–.06 35 3.5b 40 1-66
IDC II 05 03 51 47.5–1.7 52.71N 171.35E 0 3.9,3.7 **¶12699574**
MOS II 05 03 51 48.0–1.1 52.66N 171.21E 21 4.5b,3.7
ISCJB II 05 03 51 50.1–.64 52.7N–.10 171.18E–.06 33 3.7b,3.7
KRSC II 05 03 51 50.1–3.6 52.67N 170.74E 14–16 4.4L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=10.6km az=3.0.
MOS Error ellipse: s-maj=19.2km s-min=14.7km az=21.1.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=5.3km az=3.0.
KRSC Event type se.
ISC II 24 02 39 17.4–1.1 53.2N–.10 173.16E–.04 28–10 3.8b 62 0-84
IDC II 24 02 39 13.8–.62 53.08N 173.23E 0 4.0,4.0L **¶12701696**
MOS II 24 02 39 14.4–1.1 53.26N 173.20E 13 4.1b,4.0L
ISCJB II 24 02 39 15.2–1.1 53.17N–.05 173.19E–.06 21–9 4.4s,3.8b
KRSC II 24 02 39 17.9–2.1 53.10N 172.44E 10–10 4.4L,3.8b
NEIC II 24 02 39 18.6–.44 53.06N 173.31E 35 4.0b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=6.7km az=107.0.
MOS Error ellipse: s-maj=15.6km s-min=11.5km az=106.9.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.8km az=18.1.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.8km az=160.0.
ISC III 18 14 27 21.9–1.5 52.58N–.08 172.53E–.04 23–10 4.0b,3.4s 119 0-83
IDC III 18 14 27 18.1–.73 52.56N 172.76E 0 4.3L,4.2 **¶12703589**
MOS III 18 14 27 21.1–1.1 52.50N 172.68E 35 4.2b,4.2
ISCJB III 18 14 27 22.2–.41 52.59N–.05 172.60E–.03 40–4 4.0b,3.3s
NEIC III 18 14 27 24.1–.71 52.61N 172.68E 41–7 4.2b,3.8L
KRSC III 18 14 27 24.5–2.1 52.39N 171.85E 22–22 4.3L,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=8.1km az=144.0.
MOS Error ellipse: s-maj=10.9km s-min=8.2km az=126.2.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=3.1km az=8.2.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.9km az=182.0.
KRSC Event type se.
ISC IV 18 23 31 23.7–.31 53.12N–.04 170.94E–.02 30–1 5.2b,4.6s 1479 1-162
IDC IV 18 23 31 19.2–.37 53.17N 170.95E 0 5.1,5.1 **¶13438859**
ISCJB IV 18 23 31 20.2–.55 53.14N–.02 170.90E–.02 16–3 5.2b,4.6s
MOS IV 18 23 31 20.8–.88 53.09N 170.92E 21 5.4b,4.6s
KRSC IV 18 23 31 22.2–1.9 52.93N 170.44E 23–26 5.6L,4.6s
BGS IV 18 23 31 23.3–1.7 52.99N 172.72E 33 5.0b,4.6s
NEIC IV 18 23 31 23.0–.90 53.13N 170.95E 24–6 5.3b,5.3L
TEH IV 18 23 31 25.0 53.26N 170.92E 33 5.3L,5.3L
BJI IV 18 23 31 25.4 53.62N 170.29E 35 5.3b,5.2b
GCMT IV 18 23 31 28.4–.20 53.22N 171.01E 26–1 5.3W,5.2b
SZGRF IV 18 23 31 29.9 54.42N 171.00E 27 5.3b,4.4s
DJA IV 18 23 31 38.6–5.9 53N–16 171E–33 171–49 5.3b,4.9b
ISC Event type se.
ISCJB Event type se.
KRSC Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s48,c62; s87,c150; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s300.00000°,δ43.00000°,λ177.00000°. NP2:ϕ_s32.00000° ,δ88.00000°,λ47.00000°. Principal axes: T 1.0700,Plg33.0000°,Azm266.0000° ; N 0.2200,Plg43.0000°,Azm33.0000°; P -1.2800,Plg29.0000°,Azm155.0000° $M_0$1.20000×10^{17}
SZGRF Near Islands, Aleutian Islands, United States.
ISC IV 23 06 31 35.0–.72 53.3N–.10 171.77E–.05 23 3.5b 36 1-64
MOS IV 23 06 31 32.7–1.8 53.13N 171.78E 19 4.3b **¶12936027**
IDC IV 23 06 31 32.3–1.2 53.27N 171.91E 0 4.3L,3.7
ISCJB IV 23 06 31 33.6–.46 53.35N–.10 171.80E–.06 23 3.3s,3.3b
KRSC IV 23 06 31 34.7–1.8 53.32N 171.38E 10–10 4.2L,3.3b
ISC Event type ke.
MOS Error ellipse: s-maj=19.9km s-min=14.7km az=38.6.
IDC Error ellipse: s-maj=30.1km s-min=11.2km az=35.0.

ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=4.8km az=12.3.
KRSC Event type se.
MOS IV 26 17 51 40.6–1.2 52.79N 170.23E 5 4.3b
KRSC IV 26 17 51 40.6–2.0 52.79N 170.23E 5–5 4.2L **¶14263049**
MOS Error ellipse: s-maj=46.0km s-min=15.5km az=37.7.
KRSC Event type se.
IDC IV 27 17 12 33.4–2.0 52.93N 172.08E 0 3.6,3.5
¶16154567
IDC Error ellipse: s-maj=63.5km s-min=10.1km az=10.0.
ISC V 07 15 54 49.5–1.8 53.02N–.10 173.18E–.04 5–12 3.9b 51 0-84
IDC V 07 15 54 48.8–.75 53.05N 173.16E 0 4.0,3.8L **¶13678511**
NEIC V 07 15 54 50.0–1.0 52.97N 173.16E 8–7 4.1b,3.8L
ISCJB V 07 15 54 49.1–.82 52.92N–.07 173.10E–.06 16–6 3.8b,2.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC V 24 14 41 12.6–.49 53.05N–.09 172.92E–.05 10 4.2b 59 0-81
ISCJB V 24 14 41 10.9–.34 53.12N–.06 172.91E–.06 10 4.1b,3.0s **¶13193107**
IDC V 24 14 41 11.0–.51 53.11N 172.97E 0 4.1,4.0
NEIC V 24 14 41 12.8–.30 53.08N 172.92E 10 4.4b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=3.7km az=27.7.
IDC Error ellipse: s-maj=16.6km s-min=5.0km az=61.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=3.8km az=200.0.
ISC V 24 14 42 10.4–.38 53.00N–.08 172.88E–.04 10 4.4b,3.1s 110 0-146
ISCJB V 24 14 42 08.8–.25 53.11N–.05 172.91E–.05 10 4.4b,3.0s **¶13679555**
IDC V 24 14 42 08.9–.36 53.07N 172.88E 0 4.4,4.3
NEIC V 24 14 42 11.6–.90 52.99N 172.93E 18–6 4.6b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.4km az=25.4.
IDC Error ellipse: s-maj=12.2km s-min=4.6km az=47.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.3km az=186.0.
IDC VI 01 10 40 07.6–4.7 52.19N 174.95E 62–30 3.5L,3.3
¶16066161
IDC Error ellipse: s-maj=63.8km s-min=18.9km az=176.0.
KRSC VI 07 18 10 50.3–2.4 53.41N 171.18E 10–10 4.0L
¶14775908
KRSC Event type se.
ISC VI 12 11 42 46.9–.55 52.62N–.08 172.06E–.04 28 4.2b 138 1-83
IDC VI 12 11 42 42.9–.80 52.70N 172.18E 0 4.2,4.1 **¶13681218**
MOS VI 12 11 42 44.2–.82 52.68N 172.11E 17 4.3b,4.1
ISCJB VI 12 11 42 45.9–.30 52.73N–.06 172.09E–.03 28 4.0b,4.1
NEIC VI 12 11 42 50.0 53.08N 172.69E 8 4.4b,3.9L
KRSC VI 12 11 42 51.3–2.2 52.67N 170.98E 5–5 4.4L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=13.1km az=170.0.
MOS Error ellipse: s-maj=10.4km s-min=9.7km az=110.7.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=2.5km az=7.6.
NEIC Event type se. After AEIC.
KRSC Event type se.
ISC VI 14 00 10 21.5–1.3 52.3N–.10 171.02E–.08 35 3.2b 27 4-65
IDC VI 14 00 10 15.2–2.5 52.09N 171.42E 0 3.5,3.3 **¶13681317**
ISCJB VI 14 00 10 22.6–1.5 52.5N–.10 170.8E–.20 33 3.2b,3.3
KRSC VI 14 00 10 23.9–1.3 52.37N 170.27E 10–10 3.7L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=91.6km s-min=22.2km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=14.9km az=26.8.
KRSC Event type se.

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IDC I 06 00 59 53.9–5.4 50.62N 179.50E 74–36 3.7L,3.5
¶12080439
IDC Error ellipse: s-maj=74.0km s-min=17.9km az=8.0.
ISC I 13 05 06 30.9–.86 52.5N–.20 179.88E–.07 200 3.6b 41 4-115
ISCJB I 13 05 06 29.6–.70 52.4N–.10 179.91E–.07 200 3.6b **¶12081170**
IDC I 13 05 06 30.1–2.0 52.44N 179.91E 191–21 3.6,3.3b
NEIC I 13 05 06 31.2–1.3 52.34N 179.84E 207–13 4.1b,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.1km s-min=5.7km az=173.4.
IDC Error ellipse: s-maj=32.7km s-min=14.3km az=162.0.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=10.3km az=156.0.
ISC I 17 11 49 59.3–.56 51.15N–.10 178.96E–.04 49–3 4.6b,4.1s 406 2-116
IDC I 17 11 49 51.7–.61 51.01N 179.17E 0 4.3,4.2 **¶11596169**
MOS I 17 11 49 55.3–1.2 51.10N 179.02E 33 4.5b,4.2
BJI I 17 11 49 56.3 51.20N 179.00E 49 5.1b,4.6s
ISCJB I 17 11 49 57.8–.66 51.19N–.08 178.95E–.03 50–4 4.5b,4.2s
NEIC I 17 11 49 59.0–.47 51.17N 178.99E 46–3 4.6b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=10.6km az=173.0.
MOS Error ellipse: s-maj=11.8km s-min=8.6km az=118.1.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=3.5km az=0.9.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.0km az=179.0.
ISC I 17 12 07 33.2–.34 51.12N–.06 178.93E–.02 43–2 5.0b,4.5s 1168 2-147
IDC I 17 12 07 26.8–.47 51.13N 179.09E 0 4.7,4.7 **¶13405789**
MOS I 17 12 07 30.6–.96 51.21N 178.95E 33 5.1b,4.5s
BJI I 17 12 07 32.7 51.43N 178.62E 45 5.2b,5.1b
ISCJB I 17 12 07 32.4–.46 51.17N–.04 178.95E–.02 49–3 5.0b,4.5s
NEIC I 17 12 07 33.9–.34 51.21N 178.93E 46–2 5.0b,4.6L
TEH I 17 12 07 34.0 51.20N 178.93E 43 5.0L,4.6L
ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=9.1km az=167.0.
MOS Error ellipse: s-maj=6.7km s-min=5.2km az=104.2.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=2.2km az=1.9.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=2.0km az=180.0.
ISC I 17 17 14 05.5–.48 51.21N–.09 178.85E–.03 30–2 4.5b 334 2-84
MOS I 17 17 14 02.9–1.0 51.08N 179.04E 33 4.6b **¶13405799**
BJI I 17 17 14 06.6 51.86N 178.10E 27 5.2b,4.6b
IDC I 17 17 14 06.1–.82 51.12N 178.88E 41–6 4.2,4.0b
NEIC I 17 17 14 07.2–.47 51.22N 178.96E 49–4 4.6b,4.0b
ISC Event type se.
MOS Error ellipse: s-maj=10.3km s-min=8.2km az=105.7.
IDC Error ellipse: s-maj=19.2km s-min=11.5km az=163.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.3km az=175.0.
ISC I 17 17 53 51.1–.39 51.09N–.07 178.89E–.03 44–2 4.8b,3.9s 887 2-147
MOS I 17 17 53 48.1–1.2 51.18N 178.95E 33 4.9b,3.9s **¶13405801**
ISCJB I 17 17 53 50.2–.51 51.21N–.05 178.85E–.03 49–3 4.7b,3.9s
IDC I 17 17 53 50.6–.71 51.13N 178.97E 40–5 4.4,4.4
NEIC I 17 17 53 51.6–.44 51.21N 178.89E 48–3 4.8b,4.6L
BJI I 17 17 53 51.4 51.45N 178.28E 41 5.2b,4.8s
ISC Event type se.
MOS Error ellipse: s-maj=7.8km s-min=5.7km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=2.7km az=2.0.
IDC Error ellipse: s-maj=13.8km s-min=9.3km az=162.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=2.9km az=177.0.
IDC I 17 18 31 44.6–4.1 51.16N 178.80E 48–38 3.5,3.4L
¶12081558
IDC Error ellipse: s-maj=33.5km s-min=17.7km az=173.0.
ISC I 18 01 16 43.7–2.4 50.7N–.10 179.25E–.06 18–10 3.5b 39 1-84
IDC I 18 01 16 41.8–.86 50.88N 179.24E 0 3.8,3.7L **¶12081590**
NEIC I 18 01 16 44.7 50.72N 178.93E 5 3.3L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=13.7km az=180.0.
NEIC Event type se. After AEIC.
ISC I 18 08 17 08.4–.61 51.0N–.10 179.78E–.04 45–3 4.5b,4.4s 156 1-85
IDC I 18 08 17 04.1–1.3 51.46N 179.67E 0 4.5L,4.3 **¶13405818**
BJI I 18 08 17 05.6 50.90N 179.70E 38 5.3b,4.7s
MOS I 18 08 17 05.3–1.5 51.01N 179.75E 33 4.6b,4.7s
ISCJB I 18 08 17 07.8–.82 51.06N–.09 179.71E–.05 52–5 4.5b,4.4s
NEIC I 18 08 17 09.3–.88 51.10N 179.71E 47–5 4.5b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=15.4km az=3.0.
MOS Error ellipse: s-maj=14.0km s-min=10.3km az=109.3.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=5.0km az=179.6.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=5.0km az=183.0.
ISC I 18 09 42 21.0–.50 51.15N–.09 179.81E–.03 57–2 4.5b,4.2s 356 1-147
MOS I 18 09 42 17.0–1.2 51.26N 179.81E 33 4.6b,4.2s **¶13405821**
ISCJB I 18 09 42 19.1–.62 51.15N–.07 179.76E–.03 53–4 4.5b,3.9s
BJI I 18 09 42 19.3 51.33N 179.50E 55 5.2b,4.7s
NEIC I 18 09 42 20.1–.64 51.14N 179.75E 47–5 4.5b,4.2L
IDC I 18 09 42 22.7–3.0 51.39N 179.73E 70–26 4.0,3.9
ISC Event type se.
MOS Error ellipse: s-maj=10.6km s-min=8.3km az=107.5.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=3.5km az=179.7.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=4.1km az=176.0.
IDC Error ellipse: s-maj=20.6km s-min=10.7km az=163.0.
ISC I 18 10 58 18.5–2.3 51.3N–.30 179.92E–.04 71–11 4.0b 43 1-68
NEIC I 18 10 58 12.4 51.13N 179.73E 5 3.4L **¶12081639**
IDC I 18 10 58 19.0–4.0 51.56N 179.75E 65–31 3.9,3.8L
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=49.4km s-min=16.1km az=178.0.
IDC I 18 12 17 38.3–4.6 52.00N 179.51E 0 3.5,3.2b
¶12081643
IDC Error ellipse: s-maj=147.0km s-min=34.5km az=1.0.
IDC I 20 02 25 21.4–2.3 51.29N 179.30E 0 3.6,3.4L
¶12081821
IDC Error ellipse: s-maj=64.2km s-min=12.4km az=10.0.
ISC I 23 14 58 20.0–.89 51.4N–.10 178.80E–.04 46–5 4.1b 79 2-150
NEIC I 23 14 58 20.2–.55 51.45N 178.70E 41 4.1b **¶12082139**
IDC I 23 14 58 20.5–.87 51.40N 178.93E 50–6 3.8,3.7
ISCJB I 23 14 58 21.0–.65 51.46N–.10 178.90E–.05 70–5 3.8b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC I 24 12 13 21.3–1.9 51.5N–.40 179.50E–.08 10 3.4b 22 1-59
IDC I 24 12 13 18.3–3.4 51.18N 179.61E 0 3.6,3.3 **¶12082213**
ISCJB I 24 12 13 19.8–1.4 51.6N–.30 179.35E–.09 10 3.3b,3.3
NEIC I 24 12 13 23.5 51.36N 179.70E 10 3.4L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=94.5km s-min=30.7km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=40.6km s-min=7.9km az=177.4.
NEIC Event type se. After AEIC.
ISC II 01 18 18 15.6–.56 52.5N–.10 178.48E–.04 150 3.6b 39 1-85
IDC II 01 18 18 14.6–1.6 52.31N 178.51E 150–13 3.6,3.4 **¶12699350**
NEIC II 01 18 18 17.1 52.16N 178.47E 173 3.2,3.4
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=9.5km az=171.0.
NEIC Event type se. After AEIC.
ISC II 03 13 32 52.0–1.0 51.6N–.10 177.85E–.04 59–8 3.8b 43 1-115
ISCJB II 03 13 32 51.2–.59 51.65N–.09 177.84E–.06 69–4 3.7b **¶12699467**
NEIC II 03 13 32 52.3 51.50N 177.76E 24 3.9L
IDC II 03 13 32 52.3–2.4 51.67N 177.81E 63–19 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=5.4km az=10.1.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=21.7km s-min=11.4km az=173.0.
ISC II 06 11 14 52.3–1.3 51.7N–.20 178.54E–.04 59–11 4.0b 49 2-100
IDC II 06 11 14 44.4–1.3 51.58N 178.60E 0 4.2L,4.1 **¶12699665**
ISCJB II 06 11 14 50.5–.84 51.5N–.10 178.50E–.05 65–6 3.9b,4.1
NEIC II 06 11 14 51.8–.66 51.58N 178.55E 57–6 4.1b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=44.9km s-min=17.1km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=24.3km s-min=4.6km az=5.5.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=5.3km az=182.0.
ISC II 08 22 28 57.2–.84 52.1N–.10 178.09E–.04 135–8 4.3b 108 2-149
ISCJB II 08 22 28 56.2–.39 52.09N–.07 178.11E–.04 138–3 4.1b **¶12699806**
IDC II 08 22 28 56.1–1.8 52.10N 178.14E 124–15 4.1,3.9
NEIC II 08 22 28 58.2 52.14N 178.07E 139 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=3.9km az=179.9.
IDC Error ellipse: s-maj=20.4km s-min=8.5km az=164.0.
NEIC Event type se. After AEIC.
ISC II 19 19 02 43.0–.68 52.1N–.10 175.92E–.06 55–4 4.5b 108 1-148
ISCJB II 19 19 02 42.8–1.5 52.1N–.10 175.90E–.10 67–10 4.1b **¶12701270**
IDC II 19 19 02 43.2–.69 52.11N 175.88E 56–5 4.1,4.0b
NEIC II 19 19 02 43.8–1.0 52.10N 175.89E 62–8 4.6b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=8.9km az=163.0.
IDC Error ellipse: s-maj=14.5km s-min=7.1km az=10.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.0km az=158.0.
ISC III 01 05 19 58.2–.48 51.54N–.09 178.29E–.03 65–3 4.2b 146 0-81
BJI III 01 05 19 56.7 51.92N 178.06E 67 5.0b,4.8b **¶11730998**
ISCJB III 01 05 19 57.2–.45 51.55N–.07 178.25E–.04 72–3 4.2b,4.8b
NEIC III 01 05 19 58.0 51.51N 178.28E 47 4.2b,4.1L
IDC III 01 05 19 57.7–.82 51.63N 178.32E 57–5 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=3.9km az=4.1.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=22.2km s-min=7.9km az=5.0.
ISC III 04 07 56 06.7–1.0 52.1N–.20 179.57E–.09 180–10 3.0b 13 0-60
IDC III 04 07 55 44.8–17 51.41N 179.55E 0 3.6,3.5s **¶12702407**
ISCJB III 04 07 56 05.7–.92 52.0N–.20 179.5E–.20 186–8 3.0b,3.5s
NEIC III 04 07 56 08.5 52.14N 179.57E 172 2.9,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=355.1km s-min=65.4km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=39.6km s-min=15.4km az=1.1.
NEIC Event type se. After AEIC.
ISC III 09 11 06 17.6–.53 51.86N–.07 176.19E–.03 35–1 4.5b,3.8s 220 2-148
ISCJB III 09 11 06 14.3–1.1 51.76N–.05 176.25E–.03 26–8 4.5b,3.8s **¶11788847**
MOS III 09 11 06 15.7–1.3 51.88N 176.17E 33 4.7b,3.8s
NEIC III 09 11 06 16.3–1.4 51.72N 176.25E 28–10 4.7b,4.3L
IDC III 09 11 06 17.5–2.2 51.79N 176.30E 36–17 4.4L,4.1
BJI III 09 11 06 21.8 52.75N 175.28E 42 5.0b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=3.5km az=1.5.
MOS Error ellipse: s-maj=9.7km s-min=7.0km az=115.4.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=3.8km az=179.0.
IDC Error ellipse: s-maj=17.5km s-min=9.3km az=163.0.
IDC III 12 06 35 11.2–1.7 51.56N 176.67E 0 3.8,3.6
¶12703051
IDC Error ellipse: s-maj=43.3km s-min=12.0km az=13.0.
ISC III 14 12 21 04.3–1.4 51.3N–.20 178.83E–.04 45–8 3.6b 30 2-60
ISCJB III 14 12 21 03.7–1.3 51.3N–.20 178.82E–.06 60–9 3.5b **¶12703254**
IDC III 14 12 21 04.1–1.4 51.22N 178.93E 45–9 3.6L,3.5
NEIC III 14 12 21 05.4 51.38N 178.82E 27 3.2L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.5km s-min=6.0km az=2.8.
IDC Error ellipse: s-maj=36.5km s-min=10.4km az=9.0.
NEIC Event type se. After AEIC.
ISC III 20 08 16 01.9–1.4 50.4N–.20 178.02E–.05 35 3.4b 19 4-61
IDC III 20 08 15 56.8–1.6 50.26N 178.17E 0 3.7,3.5 **¶12703795**
ISCJB III 20 08 16 00.6–1.0 50.5N–.10 178.05E–.06 33 3.3b,3.5
NEIC III 20 08 16 05.1 50.80N 178.09E 14 3.6L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=12.3km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=5.1km az=8.5.
NEIC Event type se. After AEIC.
ISC IV 03 00 40 39.3–1.1 52.0N–.20 175.21E–.08 39 4.2b 28 1-83
IDC IV 03 00 40 31.4–1.6 51.64N 175.48E 0 4.0,4.0 **¶12934419**
NEIC IV 03 00 40 36.4 51.81N 175.15E 12 3.3L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=17.5km az=22.0.

NEIC Event type se. After AEIC.
ISC IV 11 21 57 58.1–.40 51.95N–.07 175.66E–.03 56–2 4.7b,3.9s 362 1-148
IDC IV 11 21 57 49.8–.48 51.83N 175.93E 0 4.8L,4.5 **¶13438390**
MOS IV 11 21 57 54.0–.94 51.94N 175.80E 33 4.9b,4.5
ISCJB IV 11 21 57 55.6–.59 51.88N–.05 175.74E–.04 50–4 4.6b,3.9s
NEIC IV 11 21 57 57.6–.54 51.88N 175.76E 54–4 4.8b,4.4L
BJI IV 11 21 58 01.0 52.68N 174.82E 59 5.1b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=8.6km az=176.0.
MOS Error ellipse: s-maj=10.2km s-min=5.6km az=99.5.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.8km az=0.4.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.9km az=176.0.
ISC IV 12 06 33 39.6–.35 51.75N–.07 179.01E–.03 89–2 4.5b 501 1-150
MOS IV 12 06 33 32.4–1.0 51.80N 179.02E 33 4.6b **¶13438417**
ISCJB IV 12 06 33 38.9–.39 51.82N–.05 179.08E–.03 95–3 4.5b
NEIC IV 12 06 33 39.7–.20 51.77N 179.06E 88 4.6b
IDC IV 12 06 33 40.0–.41 51.87N 179.04E 89–3 4.1,4.0
BJI IV 12 06 33 42.9 52.39N 178.04E 88 5.0b,4.8b
ISC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=8.0km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=2.8km az=1.3.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=2.6km az=179.0.
IDC Error ellipse: s-maj=13.1km s-min=6.2km az=172.0.
ISC IV 13 10 56 24.2–3.8 51.0N–.10 175.21E–.05 27–27 3.9b 54 2-79
IDC IV 13 10 56 19.8–1.1 50.90N 175.21E 0 4.1,4.1L **¶12935195**
ISCJB IV 13 10 56 22.5–2.0 50.98N–.10 175.17E–.07 28–15 3.8b,3.0s
NEIC IV 13 10 56 24.5 51.06N 175.13E 10 4.0b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=12.7km az=24.0.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=6.8km az=7.2.
NEIC Event type se. After AEIC.
ISC IV 18 17 19 11.1–.98 50.7N–.10 176.97E–.06 35 3.4b 24 2-83
IDC IV 18 17 19 06.2–.91 50.62N 177.03E 0 3.8,3.5 **¶12935536**
ISCJB IV 18 17 19 09.4–.72 50.71N–.07 176.86E–.08 33 3.4b,3.5
NEIC IV 18 17 19 10.5 50.68N 177.02E 10 3.5L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=12.3km az=27.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.5km az=163.9.
NEIC Event type se. After AEIC.
ISC IV 19 05 31 45.7–.37 51.68N–.05 178.91E–.03 23–2 5.4s,4.8b 457 0-150
BJI IV 19 05 31 41.8 51.70N 179.00E 24 5.2s,5.2b **¶13438869**
IDC IV 19 05 31 41.9–.57 51.60N 178.99E 0 5.6,5.6s
NEIC IV 19 05 31 44.1 51.70N 178.88E 21 5.1L,4.9b
ISCJB IV 19 05 31 44.5–.42 51.76N–.04 178.95E–.03 28–2 5.3s,4.8b
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC IV 25 19 58 58.0–.70 52.2N–.10 179.77E–.04 159–7 3.7b 44 0-150
ISCJB IV 25 19 58 57.2–.35 52.26N–.09 179.80E–.05 166–4 3.7b **¶12936127**
IDC IV 25 19 58 58.6–2.0 52.33N 179.73E 164–18 3.7,3.5
NEIC IV 25 19 58 59.7 52.03N 179.93E 158 4.2,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=4.9km az=177.1.
IDC Error ellipse: s-maj=24.0km s-min=10.7km az=157.0.
NEIC Event type se. After AEIC.
ISC V 03 15 14 31.5–1.2 51.1N–.10 178.60E–.05 33 3.4b 19 1-60
IDC V 03 15 14 28.4–2.3 51.35N 178.99E 0 3.8,3.5 **¶13678280**
NEIC V 03 15 14 33.0–1.6 51.30N 178.48E 19–15 2.9L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=72.3km s-min=11.9km az=12.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=10.1km az=174.0.
ISC V 26 07 15 42.7–1.3 51.9N–.20 177.99E–.09 153–11 3.1b 14 0-48
IDC V 26 07 15 31.8–2.3 51.77N 179.32E 0 3.7,3.6L **¶12868598**
ISCJB V 26 07 15 41.7–1.2 51.9N–.30 178.0E–.20 157–10 3.0b,3.6L
NEIC V 26 07 15 43.2 51.83N 178.06E 160 3.0,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=71.7km s-min=15.2km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=49.6km s-min=8.2km az=16.7.
NEIC Event type se. After AEIC.
ISC V 30 23 10 03.8–4.1 51.3N–.30 179.63E–.04 14–27 3.8b 22 1-47
IDC V 30 23 09 59.9–3.0 51.31N 179.99W 0 4.0,3.8 **¶12886813**
NEIC V 30 23 10 05.0 51.10N 179.69E 15 3.5L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=70.1km s-min=12.6km az=3.0.
NEIC Event type se. After AEIC.
ISC VI 11 22 24 06.1–1.4 51.6N–.20 175.97E–.07 25 3.7b 36 2-65
IDC VI 11 22 24 02.3–2.7 51.80N 175.91E 0 4.2L,3.9 **¶13196314**
NEIC VI 11 22 24 07.3 51.70N 176.09E 13 3.8L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=70.7km s-min=26.3km az=180.0.
NEIC Event type se. After AEIC.
ISC VI 11 23 26 59.2–1.4 51.8N–.20 176.54E–.06 31 3.3b 27 1-61
IDC VI 11 23 26 54.5–2.6 51.77N 176.44E 0 3.6,3.5 **¶13196323**
ISCJB VI 11 23 26 57.9–1.1 51.8N–.20 176.53E–.09 31 3.5s,3.2b
NEIC VI 11 23 26 58.4 51.66N 176.52E 13 3.4L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=76.2km s-min=30.9km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=5.1km az=14.9.
NEIC Event type se. After AEIC.
ISC VI 14 08 40 01.9–.89 51.37N–.09 179.28E–.04 58–7 3.5b 59 0-85
IDC VI 14 08 39 54.2–.92 51.35N 179.31E 0 4.2L,3.8 **¶13681341**
ISCJB VI 14 08 40 01.2–.62 51.36N–.09 179.24E–.05 66–4 3.3b,3.8
NEIC VI 14 08 40 02.3 51.39N 179.29E 49 3.6L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=18.5km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=5.0km az=4.6.
NEIC Event type se. After AEIC.

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NEIC I 01 16 29 02.0 50.91N 177.08W 18 3.6L
¶13988921
NEIC Event type se. After AEIC.
ISC I 02 12 36 04.5–.37 52.55N–.07 179.28W–.03 257–2 4.3b 809 3-150
ISCJB I 02 12 36 03.2–.37 52.55N–.04 179.22W–.03 252–3 4.3b **¶13404543**
MOS I 02 12 36 03.4–.81 52.57N 179.24W 254 4.4b
BJI I 02 12 36 03.9 53.02N 179.70W 249 4.6b,4.4b
NEIC I 02 12 36 04.6–.33 52.53N 179.23W 254–3 4.6b,4.4b
IDC I 02 12 36 05.3–.58 52.62N 179.28W 260–4 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=2.8km az=5.0.
MOS Error ellipse: s-maj=8.7km s-min=6.3km az=68.5.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.8km az=174.0.
IDC Error ellipse: s-maj=11.4km s-min=6.3km az=167.0.
ISC I 03 02 35 21.6–.57 51.61N–.09 175.27W–.05 47 3.9b 74 1-152
ISCJB I 03 02 35 19.9–.43 51.55N–.06 175.32W–.05 47 4.0b,3.4s **¶12079869**
NEIC I 03 02 35 21.0 51.61N 175.28W 28 4.0L,3.9b
IDC I 03 02 35 23.5–3.0 51.72N 175.33W 67–26 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.0km az=162.2.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=25.0km s-min=12.3km az=171.0.
ISC I 06 14 22 00.2–.81 50.3N–.10 176.88W–.07 25 3.9b 60 3-86
IDC I 06 14 21 55.9–.95 50.19N 176.88W 0 4.1,4.0 **¶12080518**
ISCJB I 06 14 21 58.4–.57 50.36N–.08 176.91W–.08 25 3.9b,4.0
NEIC I 06 14 21 59.4–2.1 50.29N 176.94W 20–14 3.9b,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=13.7km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=5.3km az=155.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.5km az=174.0.
ISC I 07 22 38 14.4–1.1 51.6N–.10 174.83W–.09 40 3.9b 36 1-153
IDC I 07 22 38 09.3–1.4 51.79N 174.78W 0 4.5L,4.3 **¶12080688**
ISCJB I 07 22 38 13.4–1.0 51.46N–.07 174.6W–.10 40 3.9b,4.3
NEIC I 07 22 38 16.2–2.1 51.63N 174.72W 54–12 4.1b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=43.4km s-min=22.8km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=9.9km az=171.0.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=13.7km az=203.0.
ISC I 09 11 34 57.5–.33 51.64N–.06 176.00W–.03 56–2 4.8b,3.5s 794 1-152
MOS I 09 11 34 53.8–1.2 51.88N 176.11W 33 5.1b,3.5s **¶11534449**
ISCJB I 09 11 34 55.8–.15 51.77N–.04 176.07W–.03 51 4.8b,3.6s
BJI I 09 11 34 55.4 52.11N 175.91W 55 5.1b,4.8s
IDC I 09 11 34 58.5–1.9 51.94N 175.98W 60–16 4.3,4.3
NEIC I 09 11 34 59.7–.37 51.84N 176.05W 71–3 4.9b,4.3
ISC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=7.1km az=55.9.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=2.2km az=176.7.
IDC Error ellipse: s-maj=15.9km s-min=8.6km az=165.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=2.5km az=175.0.
ISC I 18 11 51 33.7–.68 51.6N–.10 172.93W–.06 37 3.9b 44 1-88
IDC I 18 11 51 28.6–.95 51.72N 173.04W 0 4.0L,4.0 **¶12081641**
NEIC I 18 11 51 30.7 51.47N 172.74W 16 3.1L,4.0
ISCJB I 18 11 51 31.7–.61 51.54N–.09 172.87W–.06 37 3.8b,4.0
ISC Event type ke.
NEIC Event type se. After AEIC.
ISCJB Event type ke.
ISC I 19 02 52 49.6–1.1 52.4N–.30 178.4W–.10 177–12 3.1b 23 1-60
IDC I 19 02 52 21.6–2.1 51.81N 179.93E 0 3.6,3.4 **¶12081698**
ISCJB I 19 02 52 48.6–.81 52.4N–.30 178.4W–.10 182–11 3.1b,3.4
NEIC I 19 02 52 50.0 51.88N 178.32W 192 2.9,3.4
ISC Event type se.
IDC Error ellipse: s-maj=63.9km s-min=24.6km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=46.8km s-min=14.0km az=174.7.
NEIC Event type se. After AEIC.
ISC I 20 04 52 14.4–.56 52.6N–.10 177.72W–.04 250 3.6b 61 1-115
ISCJB I 20 04 52 13.7–.31 52.69N–.07 177.71W–.06 250 3.6b **¶12081833**
NEIC I 20 04 52 14.6–.28 52.53N 177.68W 253–3 4.0b
IDC I 20 04 52 14.8–1.5 52.76N 177.75W 250–14 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.1km az=4.3.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.1km az=168.0.
IDC Error ellipse: s-maj=21.8km s-min=8.7km az=167.0.
ISC I 22 22 34 51.2–1.5 51.7N–.20 176.24W–.05 52–10 3.5b 39 0-61
IDC I 22 22 34 43.4–2.5 51.67N 176.43W 0 3.8,3.7s **¶12082082**
ISCJB I 22 22 34 50.7–.80 51.7N–.10 176.21W–.06 64–6 3.5b,3.7s
NEIC I 22 22 34 51.1 51.47N 176.16W 20 3.5L,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=67.3km s-min=33.3km az=5.0.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=5.0km az=170.2.
NEIC Event type se. After AEIC.
ISC I 29 08 15 30.5–.59 51.51N–.08 175.12W–.04 40 3.9b 64 1-153
IDC I 29 08 15 24.5–.72 51.57N 175.21W 0 4.1L,4.1 **¶12082650**
ISCJB I 29 08 15 29.6–.50 51.50N–.06 175.11W–.05 40 3.8b,3.0s
NEIC I 29 08 15 31.1 51.57N 175.18W 15 4.0L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=34.6km s-min=17.4km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=3.8km az=166.2.
NEIC Event type se. After AEIC.
ISC II 08 03 51 46.4–.58 51.4N–.10 178.66W–.04 32–2 4.1b,4.1s 191 1-151
IDC II 08 03 51 41.6–.86 51.39N 178.61W 0 4.4L,4.0 **¶11667419**
MOS II 08 03 51 45.2–1.1 51.40N 178.59W 33 4.3b,4.0
BJI II 08 03 51 45.5 51.60N 179.08W 26 5.0b,4.7b
NEIC II 08 03 51 51.4 51.55N 178.11W 9 4.3b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=15.7km az=168.0.
MOS Error ellipse: s-maj=17.1km s-min=11.4km az=68.3.
NEIC Event type se. After AEIC.
ISC II 11 09 31 13.5–.67 51.48N–.10 174.44W–.06 38 4.1b 47 1-116
IDC II 11 09 31 08.0–1.0 51.57N 174.45W 0 4.0,3.9L **¶12699964**
ISCJB II 11 09 31 11.8–.46 51.42N–.05 174.43W–.07 38 3.9b,3.9L
NEIC II 11 09 31 13.6 51.55N 174.42W 10 3.8L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=14.2km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=157.7.
NEIC Event type se. After AEIC.
ISC II 11 09 33 11.7–3.2 51.4N–.10 174.56W–.07 24–20 4.0b 57 1-153
IDC II 11 09 33 08.3–.84 51.53N 174.44W 0 3.9,3.9 **¶12699965**
NEIC II 11 09 33 13.2 51.53N 174.54W 6 4.1b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=11.6km az=178.0.
NEIC Event type se. After AEIC.
NEIC II 14 08 08 18.8 51.62N 175.43W 10 3.7L
IDC II 14 08 08 37.1–11 53.22N 175.20W 84–101 4.1L,3.5 **¶12700639**
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=69.5km s-min=30.4km az=18.0.
IDC II 19 13 04 19.5–2.4 50.29N 179.15W 0 3.6,3.5
¶15956714
IDC Error ellipse: s-maj=59.3km s-min=16.3km az=10.0.
ISC II 20 20 42 07.1–.86 51.5N–.10 178.42W–.04 54–6 4.5b,3.8s 353 5-151
ISCJB II 20 20 42 05.2–.77 51.63N–.06 178.46W–.03 47–6 4.4b,3.7s **¶12701365**
NEIC II 20 20 42 05.7–.45 51.58N 178.55W 38–3 4.6L,4.5b
IDC II 20 20 42 06.9–1.6 51.60N 178.47W 50–13 4.1L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=3.5km az=177.5.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.1km az=172.0.
IDC Error ellipse: s-maj=17.8km s-min=8.7km az=168.0.
ISC II 22 20 49 45.0–.34 52.51N–.08 178.91W–.03 227 4.5b 675 3-150
BJI II 22 20 49 42.7 52.70N 178.80W 220 4.8b,4.4b **¶13434990**
IDC II 22 20 49 44.6–.64 52.52N 178.93W 220–5 4.2,4.2
ISCJB II 22 20 49 45.3–.17 52.66N–.05 178.89W–.03 241 4.4b,4.2
NEIC II 22 20 49 47.0–.19 52.64N 178.89W 245 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=11.4km s-min=5.7km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=2.7km az=175.7.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.2km az=172.0.
ISC II 27 00 11 46.2–.93 52.42N–.08 172.59W–.03 53–7 4.6b,3.7s 458 1-153
MOS II 27 00 11 39.4–1.2 52.44N 172.59W 10 4.9b,3.7s **¶11730363**
BJI II 27 00 11 41.0 52.61N 172.91W 14 5.0b,4.7s
ISCJB II 27 00 11 43.5–.54 52.48N–.05 172.55W–.03 41–4 4.5b,3.7s
NEIC II 27 00 11 44.8–.64 52.48N 172.65W 39–5 4.7b,4.3L
IDC II 27 00 11 47.8–3.8 52.60N 172.54W 65–32 4.2,4.1
ISC Event type se.
MOS Error ellipse: s-maj=11.0km s-min=8.0km az=84.8.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.3km az=3.2.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.5km az=179.0.
IDC Error ellipse: s-maj=17.8km s-min=12.3km az=175.0.
ISC II 27 00 17 43.7–.64 52.39N–.10 172.61W–.04 15–3 4.2b 103 1-153
BJI II 27 00 17 38.8 52.20N 172.60W 10 4.8b,4.7b **¶11730364**
NEIC II 27 00 17 44.0–1.7 52.33N 172.60W 16–11 4.3b,3.9L
ISCJB II 27 00 17 44.5–.90 52.40N–.07 172.60W–.05 31–6 4.2b,4.0s
IDC II 27 00 17 46.7–7.3 52.50N 172.55W 33–54 4.1,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=4.6km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=4.1km az=168.3.
IDC Error ellipse: s-maj=20.5km s-min=13.3km az=2.0.
ISC II 27 00 33 11.8–1.4 52.3N–.20 172.76W–.09 35 3.8b 25 3-153
IDC II 27 00 33 07.0–.76 52.47N 172.80W 0 3.9,3.8 **¶12701960**
NEIC II 27 00 33 07.9 51.97N 172.50W 14 4.0b,3.6L
ISCJB II 27 00 33 10.6–.71 52.4N–.10 172.76W–.09 35 3.7b,3.6L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
NEIC III 08 10 39 16.2 51.41N 178.27W 12 3.5L

¶14269629

NEIC Event type se. After AEIC.
ISC III 08 21 44 13.5–.80 52.4N–.20 174.00W–.07 76–6 3.7b 41 0-88
IDC III 08 21 44 12.0–8.0 52.33N 173.95W 65–73 4.2L,3.8 ¶12702758
ISCJB III 08 21 44 13.3–.36 52.5N–.20 174.01W–.10 85–4 3.6b,3.8
NEIC III 08 21 44 15.4 51.90N 173.84W 42 3.5L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=54.6km s-min=28.6km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=29.8km s-min=4.9km az=162.7.
NEIC Event type se. After AEIC.
ISC III 18 06 20 49.1–.60 52.5N–.10 175.90W–.05 165 3.4b 171 1-88
IDC III 18 06 20 47.3–2.4 52.43N 175.86W 146–23 3.6,3.5 ¶12703570
ISCJB III 18 06 20 48.5–.20 52.72N–.07 175.87W–.04 165 3.5b,3.5
NEIC III 18 06 20 51.8 52.06N 175.74W 158 3.7,3.5
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=10.9km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=3.3km az=171.9.
NEIC Event type se. After AEIC.
ISC III 18 14 50 41.8–.45 52.74N–.08 175.08W–.03 223–2 4.2b 495 1-88
BJI III 18 14 50 38.2 52.70N 175.10W 218 4.7b,4.5b ¶13436666
ISCJB III 18 14 50 41.4–.23 52.87N–.04 175.08W–.03 226–2 4.1b,4.5b
NEIC III 18 14 50 42.1–.21 52.76N 175.06W 223–2 4.4b,4.5b
IDC III 18 14 50 43.6–1.4 52.90N 175.11W 237–12 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=2.9km az=179.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.0km az=172.0.
IDC Error ellipse: s-maj=13.4km s-min=7.6km az=164.0.
ISC III 22 02 19 16.4–1.4 52.0N–.30 177.73W–.09 10 3.6b 13 2-86
NEIC III 22 02 19 14.8 51.92N 178.35W 13 3.6L ¶12635246
IDC III 22 02 19 15.6–1.1 51.79N 177.19W 0 3.7,3.5
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=45.4km s-min=22.2km az=150.0.
ISC III 23 10 27 44.4–1.4 51.2N–.20 178.07W–.06 34 3.8b 25 3-85
ISCJB III 23 10 27 42.2–1.0 51.1N–.20 178.15W–.07 34 3.8b,3.4s ¶12635378
NEIC III 23 10 27 46.2 50.84N 177.65W 16 4.0L,3.4s
IDC III 23 10 27 49.3–3.4 51.52N 178.09W 70–26 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=5.4km az=173.6.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=44.1km s-min=13.0km az=178.0.
ISC III 25 02 16 06.1–1.0 51.7N–.20 179.22W–.06 44 3.5b 27 3-82
IDC III 25 02 16 04.0–6.2 51.62N 179.08W 22–41 3.9,3.6 ¶12635510
ISCJB III 25 02 16 04.1–.80 51.8N–.10 179.24W–.06 44 3.5b,3.6
NEIC III 25 02 16 04.2 51.69N 179.18W 10 3.9L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=10.9km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=5.2km az=0.9.
NEIC Event type se. After AEIC.
ISC III 28 11 04 47.2–1.4 50.4N–.10 174.47W–.06 35 19 2-44
ISCJB III 28 11 04 43.8–1.1 50.29N–.07 174.43W–.09 33 3.2b ¶12635766
IDC III 28 11 04 43.5–3.5 50.33N 174.07W 0 3.7L,3.7
NEIC III 28 11 04 46.1 50.33N 174.53W 37 3.2L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=7.3km az=22.9.
IDC Error ellipse: s-maj=82.8km s-min=37.1km az=1.0.
NEIC Event type se. After AEIC.
ISC III 30 12 07 27.8–.17 51.50N–.04 178.18W–.02 31 6.0b,5.4s 2089 0-160
BGS III 30 12 07 24.8–1.8 50.93N 179.99E 33 5.4b,5.4s ¶14260694
DJA III 30 12 07 25.6–.70 52N–7.0 178W–17 10 6.4b,6.1
ISCJB III 30 12 07 26.4–.08 51.46N–.02 178.18W–.01 31 5.9b,5.4s
MOS III 30 12 07 28.8–.84 51.55N 178.14W 48 6.2b,5.4s
NEIC III 30 12 07 28.2–.10 51.54N 178.26W 31 6.0b,5.9
BJI III 30 12 07 29.3 51.66N 178.04W 66 6.1b,6.0b
IDC III 30 12 07 30.9–1.3 51.58N 178.13W 53–10 5.6,5.5
GCMT III 30 12 07 31.0–.10 51.33N 177.93W 41–0 5.7W,5.5
SZGRF III 30 12 07 31.9 51.81N 179.26W 33 5.8b,5.5
ISC Event type se.
BGS Error ellipse: s-maj=260.6km s-min=992.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=1.3km az=1.3.
MOS Error ellipse: s-maj=6.3km s-min=3.8km az=94.2.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=1.9km az=178.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s95 Moment tensor: Scale 10^{17}Nm; M_{rr}2.53 $M_{\theta\theta}$-2.07 $M_{\phi\phi}$-0.46 $M_{r\theta}$1.49 $M_{\theta\phi}$0.16 $M_{\phi r}$1.13 Best double couple: NP1:ϕ_s73.00000°,δ64.00000°,λ74.00000°. NP2: ϕ_s286.00000°,δ30.00000°,λ120.00000°. Principal axes: T 3.3100,Plg67.0000°,Azm312.0000° ; N -0.7800,Plg14.0000°,Azm80.0000°; P -2.5200,Plg17.0000°,Azm174.0000° M_o3.00000×10^{17}
IDC Error ellipse: s-maj=10.6km s-min=6.9km az=157.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=117, comp=234, per= 50. Moment Tensor Solution. s111,c214; s47,c51; Moment tensor: Scale 10^{17}Nm; M_{rr}4.05±.07 $M_{\theta\theta}$-3.52±.06; $M_{\phi\phi}$-0.54±.06; $M_{r\theta}$1.72±.07; $M_{\theta\phi}$-1.60±.04; $M_{\phi r}$1.89±.06; Best double couple: NP1:ϕ_s259.00000°,δ31.00000°,λ111.00000°. NP2:ϕ_s54.00000°,δ61.00000°,λ77.00000°. Principal axes: T 4.8800,Plg71.0000°,Azm296.0000°; N -0.0400,Plg11.0000°,Azm60.0000° ; P -4.8400,Plg15.0000°,Azm153.0000° M_o4.90000×10^{17}
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISC III 30 12 11 54.3–.30 51.49N–.04 178.12W–.02 28–1 5.9b,5.3s 1915 0-160
BJI III 30 12 11 49.6 51.69N 178.12W 12 6.1b,6.0b ¶12068425
SZGRF III 30 12 11 51.9 51.44N 179.35W 33 5.8b,6.0b
ISCJB III 30 12 11 51.4–.09 51.47N–.02 178.19W–.02 18 5.8b,5.3s
INMG III 30 12 11 52.0 51.55N 178.29W 14 5.8W,5.3s
NEIC III 30 12 11 55.0–.09 51.53N 178.27W 31 6.0b,5.8W
MOS III 30 12 11 55.9–.84 51.56N 178.15W 50 6.1b,5.5s
BGS III 30 12 11 55.1–2.3 50.92N 179.96W 33 5.4b,5.5s
IDC III 30 12 11 56.6–1.1 51.55N 178.16W 44–9 5.5,5.5
GCMT III 30 12 11 58.0–.10 51.28N 177.99W 43–0 5.7W,5.5
DJA III 30 12 12 15.4–4.1 51N–9.0 178W–36 213–35 6.5,6.0b
ISC Event type se.
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISCJB Event type se.
NEIC Event type se. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17} Nm; M_{rr}2.34 $M_{\theta\theta}$-2.23 $M_{\phi\phi}$-0.11 $M_{r\theta}$2.56 $M_{\theta\phi}$-1.30 $M_{\phi r}$1.35 Best double couple: NP1: ϕ_s63.00000°,δ69.00000°,λ88.00000°. NP2:ϕ_s248.00000°,δ21.00000°,λ95.00000°. Principal axes: T 3.6300,Plg65.0000°,Azm329.0000°; N 0.5100,Plg1.0000°,Azm63.0000° ; P -4.1400,Plg24.0000°,Azm153.0000° M_o3.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=255, per= 50. Moment Tensor Solution. s99,c172; s53,c56; Moment tensor: Scale 10^{17}Nm; M_{rr}4.40±.09 $M_{\theta\theta}$-4.01±.06; $M_{\phi\phi}$-0.39±.06; $M_{r\theta}$1.74±.06; $M_{\theta\phi}$-1.66±.04; $M_{\phi r}$1.86±.05; Best double couple: NP1:ϕ_s261.00000°,δ33.00000°,λ111.00000°. NP2:ϕ_s56.00000°,δ60.00000°,λ77.00000°. Principal axes: T 5.1800,Plg72.0000°,Azm295.0000°; N 0.0300,Plg11.0000°,Azm63.0000° ; P -5.2200,Plg14.0000°,Azm156.0000° M_o5.20000×10^{17}
ISC III 30 15 25 27.3–1.0 51.6N–.10 175.05W–.05 40 3.4b 26 1-87
ISCJB III 30 15 25 26.0–.73 51.54N–.08 175.04W–.06 40 3.4b ¶12635954
NEIC III 30 15 25 27.9 51.62N 175.12W 40 3.5L
IDC III 30 15 25 30.1–4.4 51.64N 175.12W 70–39 3.4L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=4.4km az=163.9.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=48.6km s-min=20.1km az=166.0.
NEIC III 30 15 55 34.3 52.00N 174.05W 8 3.5L
¶14269814

NEIC Event type se. After AEIC.
ISC III 30 16 05 06.7–.76 51.39N–.10 178.03W–.03 45 3.4b 50 0-86
IDC III 30 16 04 59.9–.93 51.35N 178.26W 0 4.0L,3.9 ¶12635957
ISCJB III 30 16 05 05.7–.61 51.26N–.08 178.01W–.04 45 3.4b,3.9
NEIC III 30 16 05 07.2–.66 51.35N 178.04W 47–6 3.9L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=39.5km s-min=17.8km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=3.8km az=173.9.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=4.0km az=175.0.

ISC IV 01 04 31 32.5–1.2 52.7N–.20 175.87W–.09 165 18 1-57
IDC IV 01 04 31 07.7–3.0 52.01N 177.01W 0 3.8L,3.7 ¶12934260
ISCJB IV 01 04 31 31.7–.85 52.8N–.10 175.9W–.10 165 3.3b,3.7
NEIC IV 01 04 31 33.9 52.27N 175.74W 177 3.0,3.7
ISC Event type se.
IDC Error ellipse: s-maj=80.8km s-min=45.7km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=9.7km az=159.7.
NEIC Event type se. After AEIC.
ISC IV 01 06 43 43.8–1.8 52.1N–.30 173.31W–.06 59 16 1-55
IDC IV 01 06 43 42.5–11 52.40N 173.57W 0 3.9L,3.7 ¶12934250
ISCJB IV 01 06 43 42.3–1.4 52.2N–.30 173.27W–.09 59 3.4b,3.7
NEIC IV 01 06 43 43.1 52.00N 173.23W 28 3.0L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=229.5km s-min=62.7km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=42.9km s-min=4.8km az=171.5.
NEIC Event type se. After AEIC.
ISC IV 01 11 24 45.0–.57 51.57N–.08 176.22W–.03 46–4 4.3b,3.4s 345 0-152
BJI IV 01 11 24 44.2 51.22N 177.08W 26 4.9b,4.8b ¶12084516
NEIC IV 01 11 24 45.8–.47 51.59N 176.21W 53–3 4.3b,4.2L
ISCJB IV 01 11 24 45.3–.39 51.67N–.06 176.24W–.03 59–3 4.3b,3.4s
IDC IV 01 11 24 46.0–2.2 51.71N 176.21W 55–18 4.0,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=3.0km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=2.9km az=172.3.
IDC Error ellipse: s-maj=20.9km s-min=8.9km az=172.0.
NEIC IV 03 13 20 57.1 50.09N 177.08W 10 3.1L
¶14413466

NEIC Event type se. After AEIC.
ISC IV 07 19 37 19.5–.61 51.35N–.09 178.35W–.03 45 3.8b 53 0-151
ISCJB IV 07 19 37 17.7–.52 51.19N–.06 178.31W–.04 45 3.7b ¶12934763
NEIC IV 07 19 37 19.4 51.23N 178.32W 16 3.8L
IDC IV 07 19 37 21.4–3.1 51.46N 178.39W 61–25 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=3.7km az=173.4.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=23.4km s-min=12.2km az=160.0.
ISC IV 08 13 55 08.9–.49 51.68N–.07 174.05W–.03 52–3 4.7b,3.5s 649 1-160
IDC IV 08 13 55 04.5–2.6 51.78N 174.03W 16–15 4.9L,4.5 ¶12103382
MOS IV 08 13 55 05.7–.86 51.82N 174.00W 33 5.0b,4.5
ISCJB IV 08 13 55 08.5–.36 51.77N–.04 174.01W–.02 59–2 4.7b,3.5s
NEIC IV 08 13 55 09.9–.27 51.77N 174.04W 60–2 4.8b,3.5s
BJI IV 08 13 55 10.2 52.46N 174.60W 50 4.9b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=8.9km az=167.0.
MOS Error ellipse: s-maj=10.4km s-min=5.7km az=87.3.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=2.4km az=179.2.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=2.0km az=170.0.
NEIC IV 08 18 02 35.7 51.25N 178.41W 9 3.6L
¶14413536

NEIC Event type se. After AEIC.
ISC IV 11 11 29 57.7–1.1 50.13N–.10 177.49W–.05 22 3.3b 34 2-58
IDC IV 11 11 29 55.2–2.4 50.05N 177.28W 0 3.8,3.6 ¶12935035
ISCJB IV 11 11 29 56.2–.77 50.11N–.05 177.42W–.06 22 3.3b,3.6
NEIC IV 11 11 29 57.3 50.05N 177.37W 30 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=57.4km s-min=15.3km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.6km az=4.5.
NEIC Event type se. After AEIC.
ISC IV 12 05 16 26.6–1.6 51.0N–.20 179.60W–.05 43 3.2b 19 1-60
NEIC IV 12 05 16 26.8 51.30N 179.83W 9 3.5L ¶12935123
IDC IV 12 05 16 26.6–7.0 50.83N 179.92W 78–45 3.3,3.3L
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=133.6km s-min=26.9km az=2.0.
ISC IV 17 00 55 46.1–1.5 51.2N–.20 178.34W–.04 23 3.4b 20 1-82
IDC IV 17 00 55 43.4–2.2 51.13N 178.22W 0 3.8,3.6 ¶12935509
ISCJB IV 17 00 55 44.7–1.5 51.1N–.20 178.26W–.07 23 4.1s,3.3b
NEIC IV 17 00 55 46.4 50.97N 178.53W 15 3.7L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=56.1km s-min=12.3km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=34.2km s-min=6.3km az=0.8.
NEIC Event type se. After AEIC.
ISC IV 17 01 32 02.5–1.8 51.1N–.20 178.56W–.05 23 3.2b 19 1-46
IDC IV 17 01 31 56.2–7.2 51.16N 179.10W 0 4.1L,3.7 ¶12935505
NEIC IV 17 01 32 03.3 51.12N 178.54W 2 3.3L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=118.0km s-min=79.6km az=71.0.
NEIC Event type se. After AEIC.
ISC IV 18 14 26 34.4–1.4 51.5N–.10 173.11W–.06 37 3.4b 15 1-63
ISCJB IV 18 14 26 32.9–1.0 51.48N–.09 172.97W–.08 37 3.4b ¶12935546
NEIC IV 18 14 26 37.4 51.55N 173.45W 17 3.2L
IDC IV 18 14 26 41.7–8.3 52.20N 173.11W 77–46 3.4,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=6.7km az=3.7.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=172.4km s-min=24.0km az=165.0.
ISC IV 20 10 24 50.5–.82 52.6N–.10 174.74W–.06 100 3.3b 19 0-88
NEIC IV 20 10 24 51.3 51.38N 173.65W 8 3.0L ¶12935744
IDC IV 20 10 24 52.0–3.1 52.53N 174.56W 128–29 3.3,3.1
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=35.1km s-min=13.6km az=162.0.
ISC IV 21 08 37 28.8–.25 52.22N–.05 173.38W–.02 68–1 5.3b 1348 0-160
DJA IV 21 08 37 19.6–1.1 52N–11 173W–25 10 6.1b,5.8 ¶13438956
MOS IV 21 08 37 23.9–.86 52.30N 173.45W 33 5.4b,4.2s
SZGRF IV 21 08 37 24.6 51.68N 177.17W 33 5.0b,4.1s
BJI IV 21 08 37 27.4 52.69N 173.22W 74 5.2b,5.0b
IDC IV 21 08 37 27.8–.31 52.25N 173.41W 56–2 4.9,4.9
NEIC IV 21 08 37 28.1–.13 52.26N 173.44W 56 5.4b,5.2L
ISCJB IV 21 08 37 28.6–.26 52.27N–.03 173.39W–.02 76–2 5.2b,5.2L
GCMT IV 21 08 37 30.7–.20 52.00N 173.28W 63–1 5.2W,5.2L
ISC Event type fe.
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=80.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
IDC Error ellipse: s-maj=10.4km s-min=7.0km az=163.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=2.2km az=172.0. Felt at Atka.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=1.8km az=0.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s62,c83; s90,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}7.72±.25 $M_{\theta\theta}$-7.41±.21; $M_{\phi\phi}$-0.31±.22; $M_{r\theta}$0.50±.18; $M_{\theta\phi}$-3.44±.15; $M_{\phi r}$2.56±.14; Best double couple: NP1:ϕ_s264.00000°,δ42.00000°,λ114.00000°. NP2:ϕ_s52.00000°,δ52.00000°,λ69.00000°. Principal axes: T 8.4800,Plg73.0000° ,Azm264.0000°; N 0.4400,Plg16.0000°,Azm65.0000°; P -8.9300,Plg5.0000°,Azm157.0000° M_o8.70000×10^{16}
ISC IV 23 10 30 49.9–.94 51.1N–.10 178.12W–.04 34 3.5b 27 2-86
IDC IV 23 10 30 45.1–.98 51.08N 177.84W 0 3.8,3.6 ¶12936020
NEIC IV 23 10 30 50.3 51.06N 178.11W 17 3.5L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=16.1km az=166.0.
NEIC Event type se. After AEIC.
ISC IV 24 22 09 18.5–.80 51.5N–.20 177.11W–.06 48 3.5b 22 2-152
ISCJB IV 24 22 09 17.2–.71 51.6N–.10 177.08W–.07 48 3.6b ¶12746758
NEIC IV 24 22 09 18.0 51.72N 177.03W 14 3.6L
IDC IV 24 22 09 21.3–3.5 51.66N 177.32W 75–30 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=6.1km az=176.6.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=36.6km s-min=13.9km az=169.0.
ISC V 03 06 44 34.5–1.1 51.0N–.10 179.31W–.06 43 3.8b 22 1-80
NEIC V 03 06 44 32.9 51.05N 179.54W 2 3.4L ¶13678266
ISCJB V 03 06 44 33.4–.86 50.87N–.09 179.50W–.08 43 3.8b
IDC V 03 06 44 39.0–4.4 51.24N 179.43W 76–34 3.7,3.5b

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.4km az=18.7.
IDC Error ellipse: s-maj=67.6km s-min=17.6km az=173.0.

ISC	**V**	**04 18 56 08.4–1.2**	**52.0N–.20**	**173.46W–.05**	**59**	**3.3b**	**21**	**1-88**	
IDC	V	04 18 56 02.5–1.8	52.15N	173.09W	0	3.8,3.4			¶13678347
NEIC	V	04 18 56 09.1	51.83N	173.33W	22	3.9b,3.3L			

ISC Event type se.
IDC Error ellipse: s-maj=53.2km s-min=13.4km az=178.0.
NEIC Event type se. After AEIC.

ISC	**V**	**17 15 06 36.4–1.4**	**51.4N–.20**	**178.13W–.04**	**61–11**	**3.8b**	**34**	**1-151**	
ISCJB	V	17 15 06 35.8–.80	51.5N–.10	178.14W–.05	73–6	3.7b			¶13679120
NEIC	V	17 15 06 35.4	51.36N	178.13W	8	3.6L			
IDC	V	17 15 06 36.4–3.5	51.44N	178.06W	59–29	3.6,3.6L			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=4.6km az=176.6.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=30.5km s-min=14.8km az=172.0.

ISC	**V**	**21 09 31 37.8–1.5**	**51.5N–.20**	**177.60W–.05**	**20–10**		**17**	**2-58**	
IDC	V	21 09 31 33.8–2.3	50.95N	177.53W	0	3.8,3.5			¶13679357
NEIC	V	21 09 31 37.9	51.63N	177.60W	1	3.4L,3.5			

ISC Event type se.
IDC Error ellipse: s-maj=67.2km s-min=18.4km az=4.0.
NEIC Event type se. After AEIC.

ISC	**V**	**21 23 04 00.5–.80**	**51.60N–.08**	**175.89W–.03**	**48–5**	**4.6b,3.9s**	**313**	**1-152**	
BJI	V	21 23 03 55.5	51.81N	175.70W	25	4.9b,4.7b			¶13107600
MOS	V	21 23 03 57.6–.85	51.68N	175.84W	33	4.9b,4.7b			
NEIC	V	21 23 03 59.5	51.37N	175.68W	25	4.7b,4.5L			
ISCJB	V	21 23 03 59.3–.53	51.60N–.05	175.85W–.03	50–4	4.5b,3.8s			
IDC	V	21 23 04 00.3–1.7	51.65N	175.87W	43–14	4.2,4.1L			

ISC Event type se.
MOS Error ellipse: s-maj=11.1km s-min=7.1km az=77.3.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=3.1km az=172.4.
IDC Error ellipse: s-maj=18.7km s-min=9.5km az=168.0.

NEIC	**V**	**27 03 51 14.2**	**51.40N**	**177.06W**	**14**	**3.6L**			
									¶14648174

NEIC Event type se. After AEIC.

ISC	**V**	**29 22 57 07.7–1.1**	**51.90N–.08**	**177.92W–.03**	**5–7**	**4.0b,3.1s**	**54**	**0-86**	
NEIC	V	29 22 57 06.4	51.88N	177.91W	3	3.8L,3.1s			¶13077423
ISCJB	V	29 22 57 07.1–.58	51.96N–.09	177.95W–.04	9–5	4.0b,3.2s			
IDC	V	29 22 57 07.1–.83	51.85N	177.90W	0	4.2,4.0			

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=4.0km az=173.7.
IDC Error ellipse: s-maj=24.8km s-min=12.0km az=176.0.

NEIC	**VI**	**05 17 04 57.7**	**51.71N**	**176.75W**	**65**	**3.5L**			
									¶14931278

NEIC Event type se. After AEIC.

ISC	**VI**	**08 23 02 14.7–.73**	**51.24N–.08**	**178.48W–.03**	**43–5**	**4.1b,3.7s**	**124**	**0-151**	
BJI	VI	08 23 02 13.8	51.74N	178.38W	46	4.7b,4.7b			¶12976577
ISCJB	VI	08 23 02 14.7–.55	51.27N–.07	178.47W–.03	55–3	4.1b,3.7s			
NEIC	VI	08 23 02 15.8–.58	51.34N	178.48W	48–4	4.2b,3.7s			
IDC	VI	08 23 02 16.9–2.6	51.33N	178.46W	63–23	3.9,3.8			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=3.4km az=175.4.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=2.9km az=178.0.
IDC Error ellipse: s-maj=19.6km s-min=10.0km az=178.0.

ISC	**VI**	**10 13 41 03.0–.74**	**52.7N–.20**	**176.00W–.05**	**207–10**	**3.4b**	**42**	**1-57**	
IDC	VI	10 13 41 00.7–6.5	52.69N	175.78W	169–64	3.4,3.1			¶13681112
ISCJB	VI	10 13 41 02.6–.38	52.7N–.20	176.00W–.07	212–8	3.3b,3.1			
NEIC	VI	10 13 41 05.1	52.35N	175.96W	211	3.4,3.1			

ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=29.4km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=5.8km az=170.8.
NEIC Event type se. After AEIC.

ISC	**VI**	**11 13 49 32.7–.58**	**51.25N–.08**	**179.95W–.03**	**49–3**	**4.5b,3.9s**	**240**	**0-151**	
BJI	VI	11 13 49 27.9	50.80N	179.70E	61	5.2b,4.8s			¶13046894
MOS	VI	11 13 49 29.5–.97	51.39N	179.85W	33	4.5b,4.8s			
NEIC	VI	11 13 49 30.1	51.11N	179.88W	16	4.6b,4.6L			
ISCJB	VI	11 13 49 32.0–.49	51.29N–.06	179.89W–.03	60–3	4.4b,4.0s			
IDC	VI	11 13 49 33.5–.84	51.37N	179.94W	54–6	4.0,3.9			

ISC Event type se.
MOS Error ellipse: s-maj=12.7km s-min=8.2km az=59.8.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=3.6km az=0.6.
IDC Error ellipse: s-maj=17.2km s-min=9.7km az=166.0.

ISC	**VI**	**17 07 08 18.9–.30**	**51.71N–.05**	**175.27W–.02**	**43–1**	**5.2b,5.1s**	**820**	**1-160**	
MOS	VI	17 07 08 16.1–.91	51.71N	175.25W	33	5.4b,5.1s			¶13568777
BJI	VI	17 07 08 16.4	52.00N	175.52W	30	5.5b,5.4s			
IDC	VI	17 07 08 17.1–2.7	51.70N	175.25W	28–18	5.1,5.1s			
NEIC	VI	17 07 08 17.5–.14	51.61N	175.23W	31	5.6L,5.5W			
ISCJB	VI	17 07 08 18.2–.29	51.69N–.03	175.22W–.02	52–2	5.2b,5.1s			
GCMT	VI	17 07 08 19.1–.10	51.46N	175.09W	32–0	5.6W,5.1s			
SZGRF	VI	17 07 08 19.6	51.71N	176.70W	33	5.2b,5.1s			
DJA	VI	17 07 08 53.9–6.0	52N–12	175W–28	376–61	5.6b,5.1			

ISC Event type fe.
NEIC Event type fe. Felt on Adak. Moment Tensor Solution. s69 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$-0.07 $M_{r\theta}$1.17 $M_{\theta\phi}$-0.11 $M_{\phi r}$0.43 Best double couple: NP1:ϕ_s76.00000°,δ64.00000°,λ82.00000°. NP2:ϕ_s274.00000°,δ27.00000°,λ106.00000°. Principal axes: T 2.0800,Plg69.0000°,Azm329.0000°; N -0.1000,Plg7.0000°,Azm79.0000° ; P -1.9700,Plg18.0000°,Azm172.0000° $M_0$2.00000×10^{17}
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta= 98, comp=202, per= 50. Moment Tensor Solution. s96,c189; s35,c37; Moment tensor: Scale 10^{17}Nm; M_{rr}2.79±.04 $M_{\theta\theta}$-2.53±.04; $M_{\phi\phi}$-0.26±.03; $M_{r\theta}$1.76±.05; $M_{\theta\phi}$-1.20±.02; $M_{\phi r}$1.19±.05; Best double couple: NP1:ϕ_s254.00000°,δ28.00000°,λ103.00000°. NP2:ϕ_s60.00000°,δ63.00000°,λ84.00000°. Principal axes: T 3.5000,Plg71.0000°,Azm316.0000°; N 0.2200,Plg6.0000°,Azm63.0000° ; P -3.7200,Plg18.0000°,Azm155.0000° $M_0$3.60000×10^{17}
SZGRF Andreanof Islands, Aleutian Islands, United States.

ISC	**VI**	**17 07 15 52.7–1.2**	**51.67N–.10**	**175.27W–.04**	**51–9**	**4.4b**	**111**	**1-152**	
NEIC	VI	17 07 15 50.7	51.53N	175.22W	8	4.9b,4.3L			¶13681522
IDC	VI	17 07 15 50.5–6.4	51.71N	175.32W	32–46	4.1,4.1L			
ISCJB	VI	17 07 15 51.2–.60	51.61N–.08	175.23W–.05	54–4	4.4b,4.1L			

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.

ISC	**VI**	**18 01 16 35.4–2.4**	**51.05N–.09**	**175.74W–.04**	**5–13**		**34**	**1-62**	
ISCJB	VI	18 01 16 34.0–1.3	50.94N–.05	175.65W–.07	14–10	3.6b			¶13681566
IDC	VI	18 01 16 36.4–3.0	51.70N	176.19W	0	3.7,3.7L			
NEIC	VI	18 01 16 37.4	51.07N	175.70W	8	3.3L,3.7L			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.9km az=173.9.
IDC Error ellipse: s-maj=85.1km s-min=28.4km az=177.0.
NEIC Event type se. After AEIC.

NEIC	**VI**	**18 05 26 33.1**	**51.12N**	**175.69W**	**10**	**3.5L**			
									¶14931529

NEIC Event type se. After AEIC.

ISC	**VI**	**18 06 30 30.9–.81**	**51.71N–.10**	**175.85W–.04**	**47**	**3.6b**	**46**	**0-87**	
IDC	VI	18 06 30 22.8–1.8	51.74N	176.21W	0	4.2L,4.0			¶13681577
ISCJB	VI	18 06 30 29.7–.52	51.53N–.07	175.76W–.04	47	3.5b,4.0			
NEIC	VI	18 06 30 30.2	51.52N	175.80W	9	3.8L,4.0			

ISC Event type se.
IDC Error ellipse: s-maj=74.9km s-min=28.8km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=3.6km az=170.9.
NEIC Event type se. After AEIC.

ISC	**VI**	**18 12 33 12.8–1.9**	**51.05N–.09**	**175.70W–.04**	**8–11**	**4.2s**	**35**	**1-86**	
ISCJB	VI	18 12 33 12.8–1.7	50.92N–.06	175.67W–.06	11–14	3.6b,3.6s			¶13681600
IDC	VI	18 12 33 13.0–3.1	51.52N	175.85W	0	4.2s,4.2			
NEIC	VI	18 12 33 15.1	51.07N	175.71W	10	3.4L,4.2			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.3km az=177.0.
IDC Error ellipse: s-maj=91.2km s-min=32.5km az=2.0.
NEIC Event type se. After AEIC.

ISC	**VI**	**20 21 46 34.0–1.5**	**51.66N–.09**	**179.27W–.02**	**1–12**	**3.8b**	**43**	**0-59**	
ISCJB	VI	20 21 46 34.7–.68	51.68N–.09	179.27W–.03	10–5	3.7b,3.6s			¶13306187
NEIC	VI	20 21 46 34.5	51.66N	179.26W	8	3.9b,3.8L			
IDC	VI	20 21 46 39.2–2.0	51.93N	179.01W	0	4.0,3.6			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=3.0km az=178.6.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=52.6km s-min=29.1km az=4.0.

ISC	**VI**	**22 19 55 24.5–.28**	**51.30N–.04**	**178.22W–.02**	**40–1**	**5.5b,5.2s**	**1331**	**1-160**	
BJI	VI	22 19 55 21.6	51.68N	178.15W	30	5.6b,5.5b			¶13441376
BGS	VI	22 19 55 22.5–1.4	51.07N	176.95W	33	5.2b,5.1s			
MOS	VI	22 19 55 22.3–.84	51.29N	178.14W	33	5.8b,5.2s			
SZGRF	VI	22 19 55 23.5	51.29N	179.54W	33	5.7b,5.2s			
ISCJB	VI	22 19 55 24.2–.38	51.29N–.03	178.15W–.02	48–3	5.5b,5.2s			
IDC	VI	22 19 55 24.8–1.1	51.36N	178.18W	40–8	5.1s,5.1			
NEIC	VI	22 19 55 24.3–.11	51.28N	178.20W	35	5.6b,5.6W			
DJA	VI	22 19 55 25.7–3.5	51N–8.0	178W–11	51–31	5.8b,5.4b			
GCMT	VI	22 19 55 26.0–.10	51.27N	178.13W	17–0	5.7W,5.4b			

ISC Event type se.
BGS Error ellipse: s-maj=174.1km s-min=760.5km az=-1.0.
MOS Error ellipse: s-maj=7.0km s-min=3.8km az=97.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.2km az=0.5.
IDC Error ellipse: s-maj=10.5km s-min=7.1km az=156.0.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.0km az=180.0. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$0.07 $M_{r\theta}$1.74 $M_{\theta\phi}$0.00 $M_{\phi r}$0.37 Best double couple: NP1:ϕ_s79.00000°,δ78.00000°,λ85.00000°. NP2:ϕ_s283.00000° ,δ13.00000°,λ113.00000°. Principal axes: T 1.9200,Plg56.0000°,Azm342.0000° ; N 0.0400,Plg4.0000°,Azm80.0000°; P -1.9600,Plg33.0000°,Azm173.0000° $M_0$1.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=205, per= 50. Moment Tensor Solution. s83,c147; s24,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}1.47±.04 $M_{\theta\theta}$-1.54±.03; $M_{\phi\phi}$0.07±.03; $M_{r\theta}$4.32±.24; $M_{\theta\phi}$0.16±.02; $M_{\phi r}$1.02±.10; Best double couple: NP1:ϕ_s291.00000°,δ11.00000°,λ123.00000°. NP2:ϕ_s78.00000°,δ81.00000°,λ84.00000°. Principal axes: T 4.7200,Plg54.0000°,Azm341.0000°; N -0.0600,Plg6.0000°,Azm79.0000° ; P -4.6600,Plg36.0000°,Azm173.0000° $M_0$4.70000×10^{17}

ISC	**VI**	**22 20 24 15.7–1.4**	**51.1N–.20**	**178.21W–.05**	**34**	**3.6b**	**16**	**2-61**	
ISCJB	VI	22 20 24 14.2–1.2	50.9N–.20	178.18W–.08	34	3.4b			¶13681856
NEIC	VI	22 20 24 15.5	50.92N	178.24W	23	3.3L			
IDC	VI	22 20 24 19.1–2.3	51.22N	176.67W	0	3.9,3.6			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=5.8km az=11.3.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=64.1km s-min=31.3km az=2.0.

ISC	**VI**	**22 21 05 33.1–.30**	**51.28N–.04**	**178.19W–.02**	**26–1**	**5.5b,4.9s**	**1329**	**1-159**	
BJI	VI	22 21 05 29.3	51.50N	177.95W	23	5.6b,5.5b			¶13217751
IDC	VI	22 21 05 33.3–1.4	51.40N	178.16W	25–7	5.1,5.1			
MOS	VI	22 21 05 33.1–.89	51.45N	178.17W	33	5.9b,4.9s			
NEIC	VI	22 21 05 33.9–.14	51.35N	178.25W	29	5.5b,5.4W			
ISCJB	VI	22 21 05 33.9–.40	51.36N–.03	178.16W–.02	40–3	5.5b,4.9s			
GCMT	VI	22 21 05 35.7–.10	51.15N	178.01W	33–0	5.4W,4.9s			
SZGRF	VI	22 21 05 44.2	52.70N	179.92W	33	5.6b,4.9s			
DJA	VI	22 21 05 56.2–5.2	51N–10	178W–21	245–46	5.5b,5.0b			

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$-0.11 $M_{r\theta}$0.67 $M_{\theta\phi}$-0.40 $M_{\phi r}$0.18 Best double couple: NP1:ϕ_s73.00000° ,δ59.00000°,λ91.00000°. NP2:ϕ_s251.00000°,δ31.00000°,λ88.00000°. Principal axes: T 1.4800,Plg75.0000°,Azm347.0000°; N 0.0200,Plg1.0000°,Azm252.0000° ; P -1.5000,Plg13.0000°,Azm162.0000° $M_0$1.50000×10^{17}
ISCJB Event type se.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 99, comp=194, per= 50. Moment Tensor Solution. s91,c172; s15,c15; Moment tensor: Scale 10^{17}Nm; M_{rr}1.33±.03 $M_{\theta\theta}$-1.31±.02; $M_{\phi\phi}$-0.02±.02; $M_{r\theta}$0.88±.03; $M_{\theta\phi}$-0.56±.02; $M_{\phi r}$0.70±.03; Best double couple: NP1:ϕ_s263.00000°,δ28.00000°,λ112.00000°. NP2:ϕ_s58.00000°,δ64.00000°,λ79.00000°. Principal axes: T 1.7600,Plg68.0000°,Azm306.0000°; N 0.1300,Plg10.0000°,Azm63.0000° ; P -1.8800,Plg19.0000°,Azm156.0000° $M_0$1.80000×10^{17}
SZGRF Andreanof Islands, Aleutian Islands, United States.

ISC	**VI**	**22 21 51 37.6–1.8**	**51.1N–.20**	**178.21W–.04**	**49–13**	**3.8b**	**50**	**2-151**	
IDC	VI	22 21 51 31.3–1.2	51.35N	178.28W	0	4.0,3.9			¶13681860
NEIC	VI	22 21 51 37.9–.98	51.27N	178.24W	47–6	4.1b,3.9			

ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=21.1km az=165.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=5.3km az=174.0.

ISC	**VI**	**28 05 26 17.9–1.0**	**51.1N–.20**	**178.09W–.04**	**34**	**3.5b**	**21**	**2-85**	
NEIC	VI	28 05 26 15.5	50.99N	178.09W	8	3.6L			¶13682180
IDC	VI	28 05 26 21.0–3.5	51.23N	178.18W	65–31	3.5,3.5L			

ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=35.9km s-min=17.9km az=3.0.

(9) Fox Islands.

IDC	**I**	**06 13 26 12.7–6.3**	**52.00N**	**168.91W**	**0**	**3.6,3.4**			
									¶12080511

IDC Error ellipse: s-maj=113.0km s-min=47.1km az=86.0.

ISC	**I**	**07 11 44 04.8–.43**	**54.11N–.06**	**165.28W–.04**	**82–3**	**4.5b**	**391**	**0-150**	
BJI	I	07 11 44 03.0	54.10N	165.30W	72	4.8b,4.6b			¶11534245
ISCJB	I	07 11 44 04.6–.23	54.22N–.03	165.37W–.03	87–2	4.4b,4.6b			
IDC	I	07 11 44 04.3–.63	54.26N	165.47W	73–4	4.1,4.0			
NEIC	I	07 11 44 05.2–.29	54.14N	165.32W	85–2	4.5b,4.0			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.0km az=168.9.
IDC Error ellipse: s-maj=16.5km s-min=9.7km az=3.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=3.0km az=156.0.

ISC	**I**	**09 10 52 17.3–.88**	**53.9N–.20**	**170.05W–.09**	**217–9**	**3.1b**	**38**	**1-53**	
ISCJB	I	09 10 52 16.5–.58	53.9N–.20	170.1W–.10	220–7	3.2b			¶12080830
NEIC	I	09 10 52 17.6	53.37N	169.64W	242	3.3			
IDC	I	09 10 52 19.7–17	53.95N	169.43W	209–92	3.2,3.0			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.3km s-min=7.0km az=157.1.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=170.6km s-min=35.6km az=69.0.

ISC	**I**	**14 02 17 58.6–1.2**	**52.8N–.20**	**168.6W–.10**	**57–13**	**3.3b**	**30**	**0-52**	
IDC	I	14 02 17 43.2–12	52.58N	170.34W	0	3.7,3.5L			¶12081240
ISCJB	I	14 02 17 57.4–1.0	52.8N–.20	168.6W–.20	64–9	3.2b,3.5L			
NEIC	I	14 02 17 58.0	52.66N	168.18W	16	3.2L,3.5L			

ISC Event type se.
IDC Error ellipse: s-maj=239.0km s-min=45.2km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=32.4km s-min=11.2km az=145.4.
NEIC Event type se. After AEIC.

ISC	**I**	**17 00 09 31.5–.73**	**52.8N–.10**	**169.63W–.05**	**70–4**	**4.3b**	**97**	**0-91**	
BJI	I	17 00 09 29.7	52.70N	169.50W	61	4.7b,4.6s			¶11596147
ISCJB	I	17 00 09 32.1–.44	52.98N–.09	169.69W–.06	87–4	4.1b,4.6s			
NEIC	I	17 00 09 32.2	52.73N	169.50W	61	4.2b,4.2L			
IDC	I	17 00 09 33.4–2.0	52.96N	169.73W	86–16	4.1,3.9b			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.7km s-min=4.1km az=162.4.
NEIC Event type fe. Felt at Nikolski. After AEIC.
IDC Error ellipse: s-maj=22.6km s-min=11.2km az=176.0.

ISC	**I**	**17 01 15 37.6–1.4**	**51.1N–.30**	**171.1W–.10**	**23**	**3.8b**	**23**	**19-71**	
IDC	I	17 01 15 33.5–1.6	50.97N	171.19W	0	3.9,3.8b			¶12081498
ISCJB	I	17 01 15 35.8–1.3	51.1N–.20	171.1W–.20	23	3.7b,3.8b			
NEIC	I	17 01 15 39.3–1.2	51.10N	171.08W	35	3.9b,3.8b			

ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=19.6km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=33.7km s-min=15.4km az=179.2.
NEIC Event type se. Error ellipse: s-maj=32.1km s-min=13.8km az=181.0.

ISC	**I**	**21 07 39 28.0–.77**	**51.56N–.09**	**168.46W–.07**	**23**	**3.9b**	**40**	**1-90**	
IDC	I	21 07 39 24.2–1.1	51.46N	168.52W	0	4.0,3.8b			¶12081957

ISCJB I 21 07 39 26.5–.62 51.53N–.05 168.45W–.09 23 3.8b,3.8b
NEIC I 21 07 39 28.9 51.59N 168.43W 13 4.0b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=18.8km az=178.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.7km az=23.1.
NEIC Event type se. After AEIC.
ISC I 26 19 11 48.2–.28 52.09N–.04 171.33W–.02 33–1 5.7b,5.5s 3335 2-160
MOS I 26 19 11 46.8–.94 52.11N 171.38W 33 5.8b,5.5s **¶13989243**
NEIC I 26 19 11 47.0 51.96N 171.16W 25 5.8W,5.7W
BJI I 26 19 11 47.3 52.38N 171.86W 23 5.9b,5.8s
ISCJB I 26 19 11 48.7–.29 52.16N–.02 171.35W–.02 47–2 5.6b,5.5s
IDC I 26 19 11 48.5–1.3 52.17N 171.35W 32–8 5.4s,5.4
IGIL I 26 19 11 49.4 52.19N 171.41W 35 5.6s,5.4
BGS I 26 19 11 49.5–1.7 52.12N 166.79W 25–999 5.8b,5.4
SZGRF I 26 19 11 50.3 52.60N 171.12W 33 5.8b,5.4s
DJA I 26 19 11 57 52.03N 171.18W 119 5.7W,5.4s
ISC Event type fe.
MOS Error ellipse: s-maj=16.5km s-min=4.6km az=94.1.
NEIC Event type fe. Felt at Nikolski. After AEIC. Moment Tensor Solution. s78 Moment tensor: Scale 10^{17}Nm; M_{rr}2.82 $M_{\theta\theta}$-1.81 $M_{\phi\phi}$-1.01 $M_{r\theta}$1.94 $M_{\theta\phi}$-1.15 $M_{\phi r}$2.24 Best double couple: NP1:ϕ_s45.00000°,δ69.00000°,λ84.00000°. NP2:ϕ_s242.00000°,δ22.00000°,λ106.00000°. Principal axes: T 4.1600,Plg65.0000°,Azm303.0000°; N -0.2700,Plg6.0000°,Azm47.0000° ; P -3.8900,Plg23.0000°,Azm139.0000° $M_0$4.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=1.6km az=3.4.
IDC Error ellipse: s-maj=12.9km s-min=7.9km az=163.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Fox Islands, Aleutian Islands, United States.
NEIC I 26 19 25 56.5 51.88N 171.07W 42 3.5L
¶13989242
NEIC Event type se. After AEIC.
ISC I 26 22 02 37.7–1.5 52.1N–.20 171.23W–.06 54–13 3.6b 44 2-89
IDC I 26 22 02 30.3–.91 52.21N 171.44W 0 4.0,3.7 **¶12082420**
ISCJB I 26 22 02 36.6–.84 52.1N–.10 171.23W–.08 60–8 3.6b,3.7
NEIC I 26 22 02 36.7 51.93N 171.10W 38 3.7L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=18.7km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=25.5km s-min=4.2km az=164.0.
NEIC Event type se. After AEIC.
ISC I 26 22 14 05.9–1.0 51.9N–.20 171.12W–.06 42 3.4b 31 2-89
IDC I 26 22 13 59.8–1.4 51.82N 171.03W 0 3.7,3.6b **¶12082422**
ISCJB I 26 22 14 04.3–.81 51.9N–.10 171.11W–.07 42 3.4b,3.6b
NEIC I 26 22 14 06.1 51.98N 171.13W 33 3.6L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=28.7km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=4.1km az=167.0.
NEIC Event type se. After AEIC.
ISC I 30 11 34 39.6–2.9 51.31N–.07 168.39W–.05 24–20 4.1b,3.2s 78 2-132
IDC I 30 11 34 35.0–.99 50.98N 168.39W 0 4.1,3.9 **¶12082735**
ISCJB I 30 11 34 36.4–1.4 51.23N–.05 168.33W–.05 17–10 4.0b,3.2s
NEIC I 30 11 34 38.6 51.26N 168.34W 28 4.2b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=32.4km s-min=16.0km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.3km az=151.0.
NEIC Event type se. After AEIC.
ISC II 08 08 02 12.5–.70 52.77N–.07 166.71W–.04 10 3.9s,3.5b 48 1-86
IDC II 08 08 02 11.4–1.2 52.93N 166.85W 0 3.9,3.9s **¶12699772**
NEIC II 08 08 02 12.4 52.77N 166.77W 2 3.4L,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=16.7km az=9.0.
NEIC Event type se. After AEIC.
IDC II 09 14 24 25.5–1.2 52.24N 171.47W 0 3.7,3.5
¶15955303
IDC Error ellipse: s-maj=39.7km s-min=22.3km az=162.0.
ISC II 12 03 37 00.5–1.1 52.1N–.20 171.41W–.06 44 3.3b 20 2-63
IDC II 12 03 36 55.2–1.3 52.26N 171.27W 0 3.7,3.6 **¶12700158**
ISCJB II 12 03 36 58.8–.85 52.1N–.20 171.42W–.08 44 3.3b,3.6
NEIC II 12 03 36 59.4 52.05N 171.41W 16 3.3L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=41.3km s-min=12.8km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=4.7km az=167.8.
NEIC Event type se. After AEIC.
ISC II 12 13 53 14.9–.82 51.1N–.10 170.44W–.10 23 4.1b 37 4-89
IDC II 12 13 53 11.1–1.1 51.01N 170.59W 0 4.2,4.2L **¶12700282**
ISCJB II 12 13 53 13.2–.74 51.2N–.10 170.4W–.10 23 4.0b,4.2L
NEIC II 12 13 53 14.7 51.28N 170.71W 26 4.2b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=17.2km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=8.2km az=149.9.
NEIC Event type se. After AEIC.
ISC II 15 13 13 13.9–1.1 53.5N–.20 171.4W–.10 250 3.2b 11 2-90
NEIC II 15 13 13 09.0–2.4 52.63N 170.86W 264–19 3.4 **¶12700795**
IDC II 15 13 13 16.1–6.5 53.56N 171.44W 273–69 3.4,3.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=92.5km s-min=7.3km az=163.0.
IDC Error ellipse: s-maj=42.3km s-min=17.1km az=160.0.
ISC II 19 21 20 25.4–1.1 52.2N–.20 171.16W–.07 42 3.5b 25 2-89
IDC II 19 21 20 19.3–1.1 52.14N 171.30W 0 3.8,3.6 **¶12701280**
ISCJB II 19 21 20 24.3–.80 52.2N–.10 171.09W–.09 42 3.6b,3.6
NEIC II 19 21 20 26.8 52.31N 171.14W 25 2.9L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=17.1km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=4.6km az=162.8.
NEIC Event type se. After AEIC.
ISC II 23 17 05 16.1–1.2 53.29N–.09 165.74W–.05 56–10 4.0b 64 1-79
ISCJB II 23 17 05 14.0–.72 53.22N–.07 165.67W–.06 62–5 4.1b **¶12701654**
NEIC II 23 17 05 14.3 53.21N 165.67W 41 4.2b,3.8L
IDC II 23 17 05 16.1–3.0 53.62N 165.79W 44–28 4.0,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=4.6km az=162.8.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=28.2km s-min=14.4km az=175.0.
ISC II 24 20 35 04.6–.87 51.1N–.20 169.32W–.09 39–10 3.8b 52 2-90
IDC II 24 20 34 58.4–.94 51.09N 169.18W 0 4.0,3.8L **¶13435071**
ISCJB II 24 20 35 03.3–1.3 51.13N–.08 169.3W–.10 44–11 3.9b,3.8L
NEIC II 24 20 35 04.9–1.6 51.14N 169.30W 43–12 4.0b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=18.0km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=11.3km az=149.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=9.2km az=183.0.
ISC II 24 22 39 05.7–1.9 53.27N–.08 165.66W–.05 26–14 3.8b 26 1-79
IDC II 24 22 39 00.8–1.5 53.43N 165.77W 0 3.7,3.6 **¶12701781**
NEIC II 24 22 39 07.1 53.30N 165.60W 11 3.5L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=37.8km s-min=17.8km az=167.0.
NEIC Event type se. After AEIC.
ISC III 06 08 03 47.1–1.6 52.5N–.20 169.5W–.10 41–12 3.2b 23 1-64
ISCJB III 06 08 03 46.1–1.5 52.5N–.20 169.4W–.10 50–11 3.3b **¶12702547**
NEIC III 06 08 03 48.7 52.49N 168.98W 6 2.9L
IDC III 06 08 03 48.9–3.5 52.64N 169.31W 50–33 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.8km s-min=10.8km az=157.8.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=46.6km s-min=19.4km az=178.0.
ISC III 07 05 21 30.5–1.1 53.16N–.08 167.07W–.04 47–9 4.1b,3.6s 151 1-113
ISCJB III 07 05 21 30.2–.45 53.22N–.06 167.08W–.05 58–3 4.1b,3.5s **¶12702616**
NEIC III 07 05 21 30.8–.46 53.20N 167.09W 48–3 4.4b,4.1L
IDC III 07 05 21 30.7–3.5 53.23N 167.09W 45–31 3.9,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=4.0km az=165.5.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=3.3km az=170.0.
IDC Error ellipse: s-maj=22.1km s-min=13.9km az=7.0.

ISC III 13 08 29 48.5–1.2 52.8N–.10 168.58W–.08 51–10 3.6b 51 0-91
IDC III 13 08 29 41.0–.86 52.82N 168.75W 0 4.0L,4.0 **¶12703149**
ISCJB III 13 08 29 48.2–.71 52.8N–.10 168.6W–.10 65–6 3.6b,4.0
NEIC III 13 08 29 48.6 52.73N 168.44W 31 4.0L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=17.3km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=6.8km az=154.8.
NEIC Event type se. After AEIC.
ISC III 15 12 04 46.2–2.0 52.0N–.10 168.9W–.10 30 17 1-66
IDC III 15 12 04 42.3–5.2 52.19N 169.15W 0 3.7,3.6b **¶12054513**
NEIC III 15 12 04 47.0 52.04N 169.45W 19 3.0L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=123.9km s-min=27.3km az=166.0.
NEIC Event type se. After AEIC.
ISC III 15 14 31 29.3–.67 52.35N–.07 168.12W–.07 31 3.6b 31 1-91
IDC III 15 14 31 24.7–.87 52.39N 168.30W 0 3.8,3.7 **¶12703358**
NEIC III 15 14 31 26.1 52.27N 168.04W 4 3.0L,3.7
ISCJB III 15 14 31 27.0–.56 52.22N–.05 168.08W–.10 31 3.6b,3.7
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC III 18 09 15 59.9–1.7 52.9N–.10 167.37W–.06 43–15 3.8b 34 1-92
ISCJB III 18 09 15 59.0–1.0 52.90N–.10 167.38W–.09 51–8 3.8b **¶12703575**
NEIC III 18 09 15 59.8 52.86N 167.36W 22 3.6L
IDC III 18 09 16 00.9–6.0 52.94N 167.33W 52–52 3.9,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=5.9km az=157.6.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=36.7km s-min=17.9km az=162.0.
ISC III 20 09 34 42.3–1.2 52.4N–.10 170.21W–.05 22–7 4.0b 84 1-90
IDC III 20 09 34 38.5–.69 52.29N 170.35W 0 4.1,4.0 **¶12703800**
NEIC III 20 09 34 45.9–.82 52.37N 170.16W 52–6 4.0b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=11.2km az=177.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=6.0km az=165.0.
IDC III 26 06 43 48.6–3.8 51.59N 171.81W 0 3.6,3.5L
¶12635620
IDC Error ellipse: s-maj=79.3km s-min=51.0km az=83.0.
ISC III 28 22 37 34.4–.42 52.64N–.05 170.24W–.03 82–3 4.8b 925 1-160
MOS III 28 22 37 30.8–.95 52.72N 170.26W 60 5.1b **¶13437556**
ISCJB III 28 22 37 32.8–.32 52.68N–.03 170.28W–.02 79–2 4.8b
BJI III 28 22 37 32.5 52.85N 170.31W 81 5.0s,5.0b
IDC III 28 22 37 33.5–1.4 52.69N 170.26W 71–12 4.5,4.4
NEIC III 28 22 37 33.9–.24 52.70N 170.29W 74–2 5.0b,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=7.7km s-min=5.6km az=83.8.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.2km az=0.8.
IDC Error ellipse: s-maj=11.0km s-min=7.1km az=170.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.0km az=173.0. Felt at Nikolski.
ISC III 31 14 41 35.6–1.0 52.3N–.10 169.46W–.08 34–2 3.5b 31 1-90
NEIC III 31 14 41 32.1 52.23N 169.67W 14 3.5L **¶12636037**
ISCJB III 31 14 41 33.3–1.2 52.1N–.10 169.5W–.10 34–11 3.4b,3.2s
IDC III 31 14 41 36.1–.98 52.34N 169.51W 37–8 3.6,3.5L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=7.6km az=152.0.
IDC Error ellipse: s-maj=35.6km s-min=14.0km az=171.0.
ISC IV 04 23 54 53.5–1.6 53.31N–.09 167.31W–.05 12–10 3.6b 34 0-89
ISCJB IV 04 23 54 52.0–1.2 53.19N–.06 167.19W–.08 8–9 3.6b,2.9s **¶12934424**
IDC IV 04 23 54 52.5–1.4 53.61N 167.21W 0 4.1,3.7b
NEIC IV 04 23 54 54.7 53.28N 167.34W 14 3.8L,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=5.1km az=146.8.
IDC Error ellipse: s-maj=44.6km s-min=28.4km az=150.0.
NEIC Event type se. After AEIC.
ISC IV 09 00 23 05.7–3.2 52.0N–.20 168.5W–.20 29 3.2b 14 1-40
NEIC IV 09 00 23 08.0 52.24N 169.02W 9 3.0L **¶12934925**
IDC IV 09 00 23 08.0–6.9 52.32N 168.32W 0 3.6,3.4
ISC Event type ke.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=113.5km s-min=51.7km az=82.0.
ISC IV 15 09 20 54.7–.90 53.9N–.10 165.91W–.08 77–7 40 0-51
ISCJB IV 15 09 20 53.9–.50 53.9N–.10 166.0W–.10 82–5 3.2b **¶12935306**
NEIC IV 15 09 20 55.6 53.76N 165.79W 61 3.4L
IDC IV 15 09 20 58.4–9.5 54.13N 165.36W 72–65 3.5L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.1km s-min=5.1km az=149.8.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=70.6km s-min=55.5km az=65.0.
ISC IV 21 14 28 55.1–2.2 53.09N–.10 166.77W–.06 15–13 3.3b 34 1-51
IDC IV 21 14 28 52.6–2.2 53.00N 166.51W 0 3.7,3.5 **¶12935863**
ISCJB IV 21 14 28 54.6–1.2 53.04N–.07 166.74W–.08 27–8 3.4b,3.5
NEIC IV 21 14 28 55.4 53.07N 166.81W 25 3.4L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=57.2km s-min=26.2km az=171.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=5.8km az=154.0.
NEIC Event type se. After AEIC.
ISC IV 22 05 53 30.8–.73 52.33N–.08 169.38W–.05 44–6 4.4b,3.2s 399 1-142
IDC IV 22 05 53 23.9–.68 52.22N 169.35W 0 4.4,4.3 **¶12643824**
BJI IV 22 05 53 23.3 52.50N 169.40W 10 5.3b,5.2s
MOS IV 22 05 53 27.9–.86 52.32N 169.40W 33 4.7b,5.2s
ISCJB IV 22 05 53 29.1–.52 52.31N–.04 169.37W–.03 43–4 4.4b,3.2s
NEIC IV 22 05 53 30.6 52.54N 169.51W 19 4.5b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=11.9km az=177.0.
MOS Error ellipse: s-maj=12.2km s-min=7.4km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.3km az=179.0.
NEIC Event type se. After AEIC.
ISC IV 26 13 36 08.1–1.7 52.30N–.09 168.59W–.08 34–4 3.5b 26 1-66
ISCJB IV 26 13 36 05.9–1.5 52.17N–.09 168.6W–.10 39–12 3.6b,3.4s **¶12936226**
IDC IV 26 13 36 05.2–1.4 52.68N 168.75W 0 3.7,3.6
NEIC IV 26 13 36 05.4 52.15N 168.56W 26 3.1L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=11.0km az=162.3.
IDC Error ellipse: s-maj=38.8km s-min=17.1km az=174.0.
NEIC Event type se. After AEIC.
ISC IV 29 19 13 41.2–.45 53.15N–.07 167.10W–.04 37 4.3b,3.5s 259 1-154
ISCJB IV 29 19 13 39.6–.22 53.06N–.03 167.17W–.04 37 4.2b,3.4s **¶13439192**
IDC IV 29 19 13 41.0–1.9 53.23N 167.20W 36–14 4.1,4.1
NEIC IV 29 19 13 41.6 53.04N 167.03W 22 4.4b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.4km az=4.6.
IDC Error ellipse: s-maj=18.2km s-min=9.6km az=172.0.
NEIC Event type se. After AEIC.
ISC V 04 05 39 57.5–2.1 53.0N–.20 169.6W–.20 61–15 3.7b 31 1-91
IDC V 04 05 39 49.3–1.0 52.98N 169.58W 0 4.0,3.7 **¶13678316**
ISCJB V 04 05 39 56.9–1.1 53.0N–.20 169.6W–.20 69–8 3.6b,3.7
NEIC V 04 05 39 58.3 53.15N 169.68W 32 3.7L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=19.9km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=32.0km s-min=11.6km az=147.4.
NEIC Event type se. After AEIC.
ISC V 08 02 03 17.6–3.0 52.2N–.10 169.29W–.08 13–17 3.7b 38 1-88
NEIC V 08 02 03 17.6 52.25N 169.39W 3 3.4L **¶13678533**
ISCJB V 08 02 03 18.1–1.9 52.02N–.09 169.28W–.10 32–13 3.9b
IDC V 08 02 03 20.3–5.4 52.27N 169.32W 29–37 3.9,3.8
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=5.6km az=149.1.
IDC Error ellipse: s-maj=36.0km s-min=13.0km az=169.0.
ISC V 13 04 34 14.0–1.6 53.65N–.08 165.09W–.04 17–11 3.4b 36 1-57

IDC	V	13 04 34 10.5–1.4	53.75N	165.29W	0	3.8,3.5		¶13678858
NEIC	V	13 04 34 14.8	53.53N	165.07W	13	3.6L,3.5		
ISC	Event type se.							
IDC	Error ellipse: s-maj=34.5km s-min=16.5km az=169.0.							
NEIC	Event type se. After AEIC.							
ISC	**V**	**14 20 22 55.1–.84**	**52.5N–.10**	**169.16W–.08**	**33**	**3.6b**	**35**	**1-91**
IDC	V	14 20 22 49.7–1.1	52.43N	169.35W	0	3.7,3.6L		¶13678953
ISCJB	V	14 20 22 53.5–.65	52.41N–.09	169.22W–.10	33	3.6b,3.6L		
NEIC	V	14 20 22 57.6	53.04N	169.50W	23	3.4L,3.6L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=30.7km s-min=17.6km az=172.0.							
ISCJB	Event type se. Error ellipse: s-maj=15.3km s-min=4.7km az=151.0.							
NEIC	Event type se. After AEIC.							
ISC	**V**	**21 03 33 03.8–.73**	**52.8N–.10**	**170.50W–.05**	**82–5**	**4.0b**	**63**	**1-153**
ISCJB	V	21 03 33 03.4–.50	52.67N–.08	170.38W–.06	99–4	3.9b		¶13679348
IDC	V	21 03 33 03.3–.87	52.81N	170.48W	78–7	3.9,3.7b		
NEIC	V	21 03 33 06.0	52.82N	170.46W	28	4.1L,4.0b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=14.7km s-min=4.4km az=162.4.							
IDC	Error ellipse: s-maj=22.5km s-min=15.0km az=150.0.							
NEIC	Event type se. After AEIC.							
ISC	**V**	**23 15 43 26.9–3.7**	**51.5N–.20**	**172.00W–.04**	**11–19**	**3.8b**	**24**	**2-89**
IDC	V	23 15 43 21.9–1.5	52.54N	174.82W	0	3.9,3.7b		¶16156053
ISCJB	V	23 15 43 23.9–1.8	51.4N–.30	171.89W–.06	10–25	3.7b,3.7b		
NEIC	V	23 15 43 26.0	51.34N	171.88W	29	3.1L,3.7b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=73.0km s-min=27.1km az=135.0.							
ISCJB	Event type ke. Error ellipse: s-maj=44.6km s-min=5.3km az=176.8.							
NEIC	Event type se. After AEIC.							
ISC	**V**	**24 10 26 08.8–.77**	**53.3N–.10**	**168.74W–.06**	**127–6**	**3.7b**	**55**	**0-88**
IDC	V	24 10 26 03.0–5.8	53.32N	168.95W	74–49	4.0L,3.6		¶13679539
ISCJB	V	24 10 26 08.0–.49	53.3N–.10	168.76W–.10	134–4	3.5b,3.6		
NEIC	V	24 10 26 09.9	53.23N	168.81W	120	3.2,3.6		
ISC	Event type se.							
IDC	Error ellipse: s-maj=36.2km s-min=27.9km az=26.0.							
ISCJB	Event type se. Error ellipse: s-maj=19.7km s-min=6.7km az=157.9.							
NEIC	Event type se. After AEIC.							
ISC	**V**	**29 01 26 36.1–.75**	**52.39N–.05**	**167.18W–.04**	**10–3**	**4.3b**	**167**	**1-91**
IDC	V	29 01 26 34.4–.82	52.42N	167.28W	0	4.3,4.2		¶13077412
ISCJB	V	29 01 26 35.6–.99	52.28N–.04	167.18W–.04	20–6	4.4s,4.2b		
BJI	V	29 01 26 37.4	53.41N	167.59W	10	4.8b,4.7b		
NEIC	V	29 01 26 37.3	52.22N	167.13W	19	4.2b,4.0L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=22.6km s-min=14.1km az=178.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.3km s-min=4.2km az=161.2.							
NEIC	Event type se. After AEIC.							
ISC	**VI**	**04 22 13 05.9–.61**	**52.18N–.09**	**170.54W–.04**	**26–2**	**4.5b,3.4s**	**299**	**2-154**
ISCJB	VI	04 22 13 04.6–.31	52.25N–.06	170.53W–.04	25	4.4b,3.5s		¶13439918
BJI	VI	04 22 13 04.4	53.14N	170.77W	8	4.9b,4.7b		
SZGRF	VI	04 22 13 05.9	51.66N	169.41W	33	4.6b,4.7b		
MOS	VI	04 22 13 05.1–.97	52.32N	170.56W	29	4.7b,4.7b		
NEIC	VI	04 22 13 06.8	52.20N	170.55W	26	4.6b,4.2L		
IDC	VI	04 22 13 08.4–2.5	52.30N	170.51W	48–23	4.2,4.1		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.6km s-min=2.4km az=165.5.							
SZGRF	Fox Islands, Aleutian Islands, United States.							
MOS	Error ellipse: s-maj=11.3km s-min=6.0km az=88.5.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=21.0km s-min=10.2km az=172.0.							
ISC	**VI**	**05 19 00 29.0–1.3**	**51.8N–.10**	**169.1W–.10**	**30**	**3.7b**	**20**	**1-90**
IDC	VI	05 19 00 27.6–1.3	52.00N	169.73W	0	3.9,3.7		¶13680567
NEIC	VI	05 19 00 30.9	52.02N	169.71W	9	3.1L,3.7		
ISC	Event type se.							
IDC	Error ellipse: s-maj=40.0km s-min=17.3km az=176.0.							
NEIC	Event type se. After AEIC.							
ISC	**VI**	**21 02 37 22.0–1.0**	**52.23N–.06**	**168.67W–.04**	**17–5**	**4.7b,3.7s**	**345**	**1-151**
IDC	VI	21 02 37 19.3–.60	52.28N	168.80W	0	4.4,4.4		¶13202269
ISCJB	VI	21 02 37 21.7–.90	52.14N–.04	168.69W–.04	26–5	4.6b,3.7s		
NEIC	VI	21 02 37 21.9	52.21N	168.65W	9	4.5b,4.0L		
MOS	VI	21 02 37 23.1–1.1	52.26N	168.72W	33	5.0b,4.0L		
BJI	VI	21 02 37 24.8	52.73N	169.20W	33	4.9b,4.8s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=18.7km s-min=10.5km az=169.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.8km s-min=3.5km az=154.4.							
NEIC	Event type se. After AEIC.							
MOS	Error ellipse: s-maj=13.1km s-min=5.4km az=91.7.							
ISC	**VI**	**27 05 04 50.9–1.2**	**53.0N–.20**	**168.57W–.10**	**62–9**		**36**	**0-52**
IDC	VI	27 05 04 43.4–1.8	52.79N	168.36W	0	3.8,3.6		¶13306935
ISCJB	VI	27 05 04 49.8–.79	53.0N–.20	168.6W–.10	72–5	3.5b,3.6		
NEIC	VI	27 05 04 51.5	52.80N	168.38W	47	3.5L,3.6		
ISC	Event type se.							
IDC	Error ellipse: s-maj=48.7km s-min=16.6km az=170.0.							
ISCJB	Event type se. Error ellipse: s-maj=28.3km s-min=6.1km az=156.1.							
NEIC	Event type se. After AEIC.							
ISC	**VI**	**28 21 42 18.9–.88**	**52.91N–.09**	**167.41W–.05**	**42**	**3.8b**	**33**	**1-86**
IDC	VI	28 21 42 13.7–1.6	53.24N	167.30W	0	3.9,3.8		¶13316633
ISCJB	VI	28 21 42 17.1–.68	52.81N–.06	167.37W–.06	42	3.7b,2.6s		
NEIC	VI	28 21 42 18.3	52.82N	167.35W	22	3.3L,2.6s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=52.5km s-min=20.1km az=176.0.							
ISCJB	Event type se. Error ellipse: s-maj=8.7km s-min=5.2km az=169.9.							
NEIC	Event type se. After AEIC.							
ISC	**VI**	**30 17 24 59.8–3.9**	**52.0N–.10**	**171.15W–.05**	**17–23**	**4.3s,4.1b**	**64**	**2-160**
NEIC	VI	30 17 25 00.5	52.08N	171.05W	12	4.1b,4.0L		¶13318429
IDC	VI	30 17 25 05.8–3.4	52.44N	171.33W	63–31	3.9,3.8		
ISC	Event type se.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=22.6km s-min=11.2km az=172.0.							

(10) Unimak Island region.

ISC	**I**	**03 21 06 49.3–1.4**	**53.79N–.10**	**164.78W–.04**	**44–11**	**4.2b**	**78**	**1-86**
NEIC	I	03 21 06 48.2	53.62N	164.67W	18	3.8L		¶12079960
ISCJB	I	03 21 06 48.7–.74	53.77N–.09	164.79W–.06	52–4	4.1b		
IDC	I	03 21 06 50.1–3.4	54.02N	164.76W	43–29	3.9L,3.9		
ISC	Event type ke.							
NEIC	Event type se. After AEIC.							
ISCJB	Event type ke. Error ellipse: s-maj=15.1km s-min=4.4km az=163.7.							
IDC	Error ellipse: s-maj=28.3km s-min=16.9km az=2.0.							
ISC	**I**	**08 08 46 09.3–1.1**	**53.5N–.10**	**163.60W–.06**	**29**	**3.2b**	**23**	**1-54**
IDC	I	08 08 46 05.4–2.2	53.53N	163.66W	0	3.5,3.3		¶12080721
ISCJB	I	08 08 46 07.4–.95	53.38N–.08	163.59W–.08	29	3.1b,3.3		
NEIC	I	08 08 46 08.8	53.39N	163.60W	18	3.0L,3.3		
ISC	Event type se.							
IDC	Error ellipse: s-maj=52.9km s-min=31.2km az=178.0.							
ISCJB	Event type se. Error ellipse: s-maj=11.8km s-min=7.1km az=175.1.							
NEIC	Event type se. After AEIC.							
ISC	**I**	**20 10 39 16.9–1.1**	**53.5N–.10**	**163.55W–.05**	**37–2**	**3.7b**	**42**	**1-66**
IDC	I	20 10 39 12.7–1.5	53.73N	163.75W	0	3.6L,3.6		¶12081860
ISCJB	I	20 10 39 13.6–1.9	53.45N–.08	163.47W–.06	24–15	3.5b,3.6		
NEIC	I	20 10 39 13.8–.69	53.58N	163.58W	10	3.3L,3.6		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=39.5km s-min=14.3km az=165.0.							
ISCJB	Event type ke. Error ellipse: s-maj=13.9km s-min=4.9km az=164.3.							
NEIC	Event type se. Error ellipse: s-maj=12.6km s-min=4.5km az=162.0.							
ISC	**I**	**31 10 01 31.2–2.7**	**53.83N–.09**	**163.19W–.05**	**9–15**	**4.0b**	**34**	**1-65**
IDC	I	31 10 01 19.8–8.5	52.55N	161.99W	0	3.8b,3.8		¶12082803
NEIC	I	31 10 01 34.7	53.97N	163.19W	14	3.0L,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=229.0km s-min=35.6km az=171.0.							
NEIC	Event type se. After AEIC.							
ISC	**II**	**12 20 47 31.1–1.6**	**54.51N–.08**	**163.42W–.04**	**4–11**		**31**	**0-34**
ISCJB	II	12 20 47 30.6–1.2	54.52N–.08	163.42W–.07	3–7	3.5b		¶12700380
NEIC	II	12 20 47 31.5	54.65N	163.52W	5	3.6L		
IDC	II	12 20 47 33.3–4.7	53.95N	162.41W	0	3.7,3.4		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=14.1km s-min=3.6km az=154.1.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=77.5km s-min=35.6km az=88.0.							
ISC	**III**	**04 14 52 14.7–1.3**	**54.4N–.20**	**163.89W–.10**	**81–9**	**3.5b**	**27**	**0-35**
IDC	III	04 14 52 00.7–1.9	53.24N	163.68W	0	3.5,3.3L		¶12702430
ISCJB	III	04 14 52 13.7–.80	54.3N–.10	163.8W–.10	79–7	3.2b,3.3L		
NEIC	III	04 14 52 15.2	54.41N	163.86W	77	2.9,3.3L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=37.7km s-min=26.2km az=168.0.							
ISCJB	Event type se. Error ellipse: s-maj=27.2km s-min=5.0km az=155.1.							
NEIC	Event type se. After AEIC.							
ISC	**III**	**27 04 54 56.0–1.1**	**53.54N–.05**	**163.69W–.03**	**18–5**	**4.7b,3.9s**	**363**	**1-154**
IDC	III	27 04 54 54.0–.57	53.79N	163.88W	0	4.4,4.4		¶13437413
MOS	III	27 04 54 54.5–1.0	53.73N	163.86W	13	4.9b,4.4		
ISCJB	III	27 04 54 55.4–.99	53.48N–.04	163.64W–.04	26–6	4.5b,3.9s		
NEIC	III	27 04 54 56.5	53.44N	163.67W	11	4.8b,4.0L		
BJI	III	27 04 55 20.9	54.90N	165.00W	200	5.0b,4.5b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=16.7km s-min=9.4km az=170.0.							
MOS	Error ellipse: s-maj=11.1km s-min=5.0km az=91.5.							
ISCJB	Event type se. Error ellipse: s-maj=7.5km s-min=3.2km az=166.6.							
NEIC	Event type se. After AEIC.							
ISC	**IV**	**04 18 45 22.5–.66**	**53.57N–.07**	**163.69W–.05**	**29**	**4.2b**	**88**	**1-93**
IDC	IV	04 18 45 18.5–1.3	53.61N	163.74W	0	4.1,4.0		¶12742011
ISCJB	IV	04 18 45 20.3–.47	53.43N–.05	163.55W–.06	29	4.1b,3.8s		
NEIC	IV	04 18 45 22.2	53.44N	163.63W	19	4.4b,3.8s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=33.6km s-min=15.1km az=165.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.7km s-min=4.3km az=159.8.							
NEIC	Event type se. After AEIC.							
ISC	**IV**	**06 05 59 12.4–3.1**	**53.44N–.10**	**163.57W–.05**	**9–18**		**33**	**1-54**
IDC	IV	06 05 59 12.3–3.7	53.59N	163.69W	0	3.3,3.2		¶12934674
NEIC	IV	06 05 59 14.5	53.36N	163.52W	23	3.2L,3.2		
ISC	Event type se.							
IDC	Error ellipse: s-maj=81.2km s-min=29.4km az=160.0.							
NEIC	Event type se. After AEIC.							
ISC	**IV**	**27 07 27 48.6–2.9**	**53.46N–.09**	**163.39W–.05**	**17–16**	**3.8b**	**39**	**1-65**
IDC	IV	27 07 27 46.2–1.8	53.51N	163.58W	0	3.7,3.6		¶12936311
NEIC	IV	27 07 27 51.0	53.50N	163.50W	10	3.1L,3.6		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=43.5km s-min=17.0km az=168.0.							
NEIC	Event type se. After AEIC.							
ISC	**V**	**11 00 13 20.1–2.8**	**53.87N–.09**	**163.81W–.05**	**24–21**	**3.8b**	**44**	**1-79**
ISCJB	V	11 00 13 18.7–1.2	53.81N–.05	163.73W–.05	28–8	3.7b		¶13678717
NEIC	V	11 00 13 19.9	53.88N	163.80W	26	3.3L		
IDC	V	11 00 13 20.9–1.7	53.92N	163.04W	0	3.9b,3.9		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=9.6km s-min=4.4km az=159.4.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=38.6km s-min=25.1km az=145.0.							
ISC	**V**	**26 03 49 32.0–1.5**	**53.92N–.06**	**163.09W–.04**	**26–10**	**4.0b**	**70**	**1-78**
IDC	V	26 03 49 27.9–.96	53.88N	163.21W	0	3.9,3.8		¶13679659
NEIC	V	26 03 49 34.1–.69	54.05N	163.02W	38–7	4.2b,3.8L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=26.1km s-min=15.5km az=179.0.							
NEIC	Event type se. Error ellipse: s-maj=11.0km s-min=4.4km az=162.0.							
NEIC	**V**	**28 12 39 49.2**	**54.01N**	**164.49W**	**56**	**3.5L**		**¶14648353**
NEIC	Event type se. After AEIC.							
NEIC	**V**	**31 09 03 24.1**	**53.75N**	**164.12W**	**20**	**3.5L**		**¶12870899**
NEIC	Event type se. After AEIC.							
ISC	**VI**	**05 08 01 05.5–.62**	**53.88N–.07**	**163.85W–.04**	**21–3**	**4.3b,3.0s**	**69**	**1-86**
IDC	VI	05 08 01 02.5–1.1	53.97N	164.10W	0	4.2,4.1		¶12925417
NEIC	VI	05 08 01 07.5	53.84N	163.86W	10	3.8L,3.7b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=29.2km s-min=16.2km az=178.0.							
NEIC	Event type se. After AEIC.							
ISC	**VI**	**07 11 29 23.5–2.0**	**53.65N–.08**	**163.13W–.04**	**26–13**	**4.0b**	**81**	**1-86**
IDC	VI	07 11 29 20.4–1.1	53.84N	163.29W	0	4.0,3.9		¶13077437
ISCJB	VI	07 11 29 22.4–.78	53.50N–.06	163.09W–.05	34–6	3.9b,3.0s		
NEIC	VI	07 11 29 23.0	53.57N	163.12W	42	3.8b,3.6L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=27.0km s-min=13.5km az=173.0.							
ISCJB	Event type se. Error ellipse: s-maj=11.0km s-min=4.2km az=161.4.							
NEIC	Event type se. After AEIC.							
ISC	**VI**	**24 06 15 29.5–1.7**	**53.61N–.06**	**164.39W–.04**	**15–10**	**4.2b,3.6s**	**91**	**1-97**
IDC	VI	24 06 15 26.7–.99	53.59N	164.48W	0	4.1,4.0		¶13383557
NEIC	VI	24 06 15 32.0–1.4	53.67N	164.42W	30–11	4.2b,4.0L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=25.6km s-min=14.7km az=180.0.							
NEIC	Event type se. Error ellipse: s-maj=10.2km s-min=3.3km az=161.0.							

(11) Bristol Bay.

ISC	**II**	**18 06 57 45.4–.32**	**56.04N–.05**	**162.46W–.03**	**165–2**	**4.7b**	**805**	**1-152**
BJI	II	18 06 57 41.7	56.10N	162.50W	165	4.9b,4.5b		¶13434811
ISCJB	II	18 06 57 44.7–.17	56.03N–.02	162.55W–.03	171–1	4.7b,4.5b		
NEIC	II	18 06 57 45.7–.16	56.01N	162.50W	166–1	4.9b,4.5b		
IDC	II	18 06 57 47.3–.56	56.10N	162.38W	176–3	4.3,4.2		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=160.0.							
NEIC	Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=153.0.							
IDC	Error ellipse: s-maj=11.7km s-min=7.0km az=178.0.							

(12) Alaska Peninsula.

ISC	**I**	**05 19 00 49.9–1.0**	**54.36N–.09**	**161.44W–.05**	**23**	**3.7b**	**34**	**1-84**
IDC	I	05 19 00 45.7–3.4	54.16N	161.54W	0	3.8,3.7b		¶12080405
ISCJB	I	05 19 00 48.3–.88	54.29N–.07	161.26W–.07	23	3.7b,3.7b		
NEIC	I	05 19 00 50.2	54.41N	161.48W	5	3.5L,3.7b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=88.9km s-min=19.1km az=152.0.							
ISCJB	Event type ke. Error ellipse: s-maj=9.6km s-min=5.3km az=167.9.							
NEIC	Event type se. After AEIC.							
ISC	**I**	**14 22 30 15.0–1.1**	**55.64N–.08**	**158.81W–.06**	**60–10**	**3.3b**	**53**	**1-66**
ISCJB	I	14 22 30 14.5–.61	55.63N–.07	158.82W–.08	66–6	3.3b		¶12081297
NEIC	I	14 22 30 15.5	55.55N	158.73W	46	3.3L		
IDC	I	14 22 30 16.5–3.6	55.92N	158.96W	64–34	3.8L,3.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=13.6km s-min=3.9km az=149.2.							
NEIC	Event type se. After AEIC.							
IDC	Error ellipse: s-maj=39.9km s-min=17.5km az=175.0.							
ISC	**I**	**18 21 04 55.7–2.0**	**54.5N–.10**	**161.33W–.05**	**32–12**	**3.9b**	**48**	**1-85**
IDC	I	18 21 04 52.1–2.3	54.62N	161.83W	0	3.9,3.8b		¶12081671
NEIC	I	18 21 04 56.4	54.46N	161.49W	15	3.6L,3.8b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=61.8km s-min=16.2km az=157.0.							
NEIC	Event type se. After AEIC.							
ISC	**I**	**18 21 17 13.6–.45**	**54.47N–.05**	**161.55W–.03**	**34–1**	**4.9b,4.4s**	**539**	**1-144**
MOS	I	18 21 17 09.7–1.0	54.74N	161.74W	10	5.2b,4.4s		¶13405826
BJI	I	18 21 17 11.8	55.02N	161.65W	27	5.2b,5.1s		
IDC	I	18 21 17 13.6–2.3	54.52N	161.60W	34–16	4.4,4.3		
ISCJB	I	18 21 17 14.9–.35	54.60N–.03	161.57W–.03	53–2	4.8b,4.3s		
NEIC	I	18 21 17 16.4–.30	54.66N	161.66W	52–2	4.8b,4.4L		
SZGRF	I	18 21 17 19.1	55.60N	166.29W	33	5.2b,4.4L		
ISC	Event type se.							
MOS	Error ellipse: s-maj=9.9km s-min=4.2km az=89.6.							
IDC	Error ellipse: s-maj=19.9km s-min=11.0km az=175.0.							

ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=2.6km az=161.2.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=2.3km az=165.0.
SZGRF Fox Islands, Aleutian Islands, United States.

ISC	**I**	**21 00 16 15.7–1.1**	**54.29N–.09**	**161.34W–.04**	**23**	**3.9b**	**30**	**1-66**
IDC	I	21 00 16 12.3–3.7	54.19N	161.65W	0	3.5,3.4b		¶12081914
ISCJB	I	21 00 16 14.7–1.0	54.22N–.07	161.38W–.09	23	3.6b,3.4b		
NEIC	I	21 00 16 19.0–2.4	54.44N	161.49W	41–15	3.2L,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=86.4km s-min=21.6km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.6km az=179.3.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=9.6km az=170.0.

ISC	**I**	**22 12 26 58.9–.74**	**55.9N–.10**	**159.89W–.07**	**111–7**	**3.8b**	**102**	**0-81**
ISCJB	I	22 12 26 58.0–.44	55.81N–.10	159.9W–.10	125–3	3.8b		¶12082053
IDC	I	22 12 26 59.4–2.7	56.23N	160.06W	96–22	3.8,3.7		
NEIC	I	22 12 27 00.9	55.85N	159.98W	107	3.5,3.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=3.4km az=147.4.
IDC Error ellipse: s-maj=40.1km s-min=15.2km az=164.0.
NEIC Event type se. After AEIC.

ISC	**I**	**25 08 07 57.8–.79**	**54.40N–.07**	**161.51W–.04**	**20–2**	**4.2b**	**98**	**1-81**
IDC	I	25 08 07 55.5–.95	54.54N	161.94W	0	4.1,4.0		¶13433992
BJI	I	25 08 07 56.0	54.40N	161.40W	9	4.9b,4.8s		
NEIC	I	25 08 08 00.3	54.45N	161.49W	16	3.8L,4.8s		

ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=13.5km az=162.0.
NEIC Event type se. After AEIC.

ISC	**I**	**25 12 53 04.8–2.0**	**54.26N–.08**	**162.38W–.04**	**14–13**	**3.8b**	**55**	**1-80**
ISCJB	I	25 12 53 04.8–1.3	54.19N–.07	162.29W–.07	23–9	3.7b		¶12082306
NEIC	I	25 12 53 04.2	54.23N	162.37W	3	3.5L		
IDC	I	25 12 53 08.6–3.1	54.55N	162.45W	44–28	3.8,3.6b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=4.3km az=155.6.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=29.0km s-min=15.2km az=4.0.

ISC	**I**	**28 18 56 13.3–1.3**	**54.51N–.09**	**161.43W–.04**	**47–10**	**4.5b**	**133**	**1-95**
IDC	I	28 18 56 06.6–.71	54.45N	161.59W	0	4.2,4.2		¶12082603
ISCJB	I	28 18 56 12.9–.67	54.51N–.07	161.44W–.06	58–4	4.3b,3.7s		
NEIC	I	28 18 56 12.1	54.46N	161.44W	16	4.8b,3.7s		

ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=11.1km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=4.1km az=157.4.
NEIC Event type se. After AEIC.

ISC	**I**	**30 02 40 26.6–2.2**	**54.31N–.10**	**161.37W–.07**	**24–14**	**3.9b**	**40**	**1-85**
IDC	I	30 02 40 21.2–2.7	54.00N	161.59W	0	3.7b,3.7		¶12082708
NEIC	I	30 02 40 28.1	54.43N	161.43W	12	3.4L,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=67.0km s-min=21.3km az=161.0.
NEIC Event type se. After AEIC.

ISC	**II**	**05 15 49 30.2–.62**	**56.98N–.06**	**156.53W–.04**	**73–4**	**4.0b**	**123**	**1-82**
ISCJB	II	05 15 49 29.2–.35	56.90N–.05	156.38W–.07	87–4	3.9b		¶11671817
IDC	II	05 15 49 29.8–2.9	57.17N	156.63W	57–25	4.3L,3.8		
NEIC	II	05 15 49 31.9	56.87N	156.36W	40	4.2b,3.8L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=3.1km az=145.4.
IDC Error ellipse: s-maj=28.0km s-min=17.5km az=1.0.
NEIC Event type se. After AEIC.

ISC	**II**	**13 04 49 14.7–.90**	**57.10N–.07**	**156.63W–.06**	**103–9**	**3.5b**	**59**	**1-65**
ISCJB	II	13 04 49 13.8–.40	57.06N–.07	156.55W–.10	113–5	3.4b		¶12700450
NEIC	II	13 04 49 17.1	57.07N	156.56W	79	3.2		
IDC	II	13 04 49 18.3–9.0	57.53N	156.47W	114–65	3.4,3.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=4.2km az=142.5.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=68.6km s-min=45.7km az=14.0.

ISC	**II**	**16 21 03 10.1–.71**	**55.85N–.06**	**157.64W–.05**	**62–5**	**4.2b**	**84**	**1-146**
ISCJB	II	16 21 03 08.4–.46	55.89N–.04	157.64W–.06	63–4	4.1b		¶13434683
NEIC	II	16 21 03 10.8	55.86N	157.64W	47	4.2b,3.8L		
IDC	II	16 21 03 11.3–.97	56.08N	157.65W	65–6	3.9,3.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.3km az=146.4.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=18.6km s-min=12.8km az=180.0.

ISC	**II**	**24 11 18 58.9–.91**	**58.31N–.04**	**154.16W–.04**	**85–7**		**82**	**0-55**
ISCJB	II	24 11 18 57.9–.39	58.30N–.04	154.14W–.06	91–4	3.8b		¶12701736
IDC	II	24 11 18 58.4–2.0	58.45N	154.24W	66–29	3.8,3.7L		
NEIC	II	24 11 18 59.8	58.26N	154.15W	76	3.2,3.7L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=143.8.
IDC Error ellipse: s-maj=29.0km s-min=18.4km az=101.0.
NEIC Event type se. After AEIC.

ISC	**II**	**27 02 30 19.7–.78**	**56.3N–.10**	**161.66W–.08**	**183–8**	**3.5b**	**39**	**1-146**
ISCJB	II	27 02 30 18.7–.42	56.26N–.09	161.7W–.10	186–6	3.5b		¶12701968
IDC	II	27 02 30 18.2–4.5	56.34N	161.85W	167–37	3.7,3.4		
NEIC	II	27 02 30 20.3	56.01N	161.42W	197	3.5,3.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=5.7km az=149.2.
IDC Error ellipse: s-maj=37.8km s-min=18.1km az=38.0.
NEIC Event type se. After AEIC.

ISC	**III**	**22 15 02 21.3–.83**	**58.63N–.06**	**156.01W–.06**	**173–7**	**3.5b**	**44**	**0-65**
ISCJB	III	22 15 02 20.6–.50	58.60N–.06	156.0W–.10	183–5	3.5b		¶12635299
IDC	III	22 15 02 20.0–1.2	58.78N	156.15W	156–13	3.2b,3.2		
NEIC	III	22 15 02 22.5	58.53N	156.02W	174	3.1,3.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.9km az=142.1.
IDC Error ellipse: s-maj=18.2km s-min=15.4km az=20.0.
NEIC Event type se. After AEIC.

NEIC	**IV**	**07 09 25 35.6**	**54.75N**	**161.00W**	**1**	**3.5L**		¶14413521

NEIC Event type se. After AEIC.

ISC	**IV**	**17 22 13 23.5–1.7**	**54.40N–.07**	**161.42W–.04**	**17–10**	**4.0b**	**69**	**1-144**
IDC	IV	17 22 13 20.8–1.9	54.40N	161.64W	0	4.0,3.9		¶12935401
NEIC	IV	17 22 13 26.8	54.51N	161.49W	2	3.7L,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=53.0km s-min=16.9km az=156.0.
NEIC Event type se. After AEIC.

ISC	**IV**	**20 06 36 30.4–1.9**	**54.22N–.08**	**162.53W–.04**	**13–10**		**39**	**1-26**
IDC	IV	20 06 36 26.5–3.5	53.82N	162.60W	0	3.7,3.6b		¶12935760
NEIC	IV	20 06 36 29.8	54.22N	162.49W	8	3.2L,3.6b		
ISCJB	IV	20 06 36 29.5–1.5	54.13N–.08	162.42W–.07	20–10	3.5b,3.6b		

ISC Event type ke.
NEIC Event type se. After AEIC.
ISCJB Event type ke.

NEIC	**IV**	**24 13 37 00.8**	**54.47N**	**161.67W**	**4**	**3.1L**		¶14471376

NEIC Event type se. After AEIC.

ISC	**V**	**02 02 19 10.9–.21**	**54.53N–.03**	**161.53W–.02**	**41–1**	**5.7b,5.0s**	**1786**	**1-163**
BGS	V	02 02 19 07.7–1.3	54.33N	160.31W	10	5.7b,5.0s		¶13439271
MOS	V	02 02 19 09.5–.91	54.56N	161.62W	33	5.9b,5.0s		
IDC	V	02 02 19 10.7–.67	54.52N	161.62W	33–4	5.2,5.2		
ISCJB	V	02 02 19 10.9–.26	54.51N–.02	161.52W–.02	43–2	5.6b,5.0s		
NEIC	V	02 02 19 12.5	54.53N	161.52W	9	5.6b,5.6W		
BJI	V	02 02 19 12.4	54.99N	162.32W	40	5.6b,5.5b		
GCMT	V	02 02 19 13.4–.10	54.53N	161.52W	21–0	5.6W,5.5b		
DJA	V	02 02 19 16.6–3.7	55N–9.0	161W–18	85–33	5.9b,5.6b		
SZGRF	V	02 02 19 19.0	55.55N	161.78W	35	5.8b,4.8s		

ISC Event type fe.
BGS Error ellipse: s-maj=146.2km s-min=472.3km az=-1.0.
MOS Error ellipse: s-maj=6.6km s-min=3.5km az=89.8.
IDC Error ellipse: s-maj=12.6km s-min=7.7km az=177.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=1.9km az=179.3.
NEIC Event type fe. Felt [IV] at Sand Point. Also felt at Cold Bay, False Pass, King Cove and Perryville. After AEIC. Moment Tensor Solution. s57 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$0.07 $M_{r\theta}$1.08 $M_{\theta\phi}$-0.26 $M_{\phi r}$0.32 Best double couple: NP1:ϕ_s74.00000° ,δ82.00000°,λ96.00000°. NP2:ϕ_s215.00000°,δ10.00000°,λ51.00000°. Principal axes: T 1.0800,Plg52.0000°,Azm351.0000°; N 0.1800,Plg6.0000°,Azm253.0000° ; P -1.2600,Plg37.0000°,Azm158.0000° $M_0$1.20000×10^{17} Moment Tensor Solution. $M_0$2.70000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 93, comp=159, per= 50. Moment Tensor Solution. s77,c123; s4,c4; Moment tensor: Scale 10^{17}Nm; M_{rr}0.27±.02 $M_{\theta\theta}$-0.22±.02; $M_{\phi\phi}$-0.05±.02; $M_{r\theta}$2.63±.14; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$0.93±.06; Best double couple: NP1:ϕ_s212.00000°,δ4.00000°,λ52.00000°. NP2:ϕ_s71.00000°,δ87.00000°,λ92.00000°. Principal axes: T 2.7700,Plg48.0000°,Azm343.0000°; N 0.0700,Plg2.0000°,Azm250.0000° ; P -2.8400,Plg42.0000°,Azm158.0000° $M_0$2.80000×10^{17}

SZGRF Alaska Peninsula, United States.

ISC	**V**	**02 02 28 36.0–1.6**	**54.5N–.10**	**161.37W–.06**	**49–13**	**4.0b**	**41**	**1-81**
IDC	V	02 02 28 32.4–2.9	55.07N	161.93W	0	3.9,3.8		¶13678209
ISCJB	V	02 02 28 34.1–1.1	54.41N–.09	161.30W–.09	52–8	3.7b,3.8		
NEIC	V	02 02 28 35.8	54.53N	161.51W	4	3.6L,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=87.5km s-min=18.2km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=5.8km az=154.0.
NEIC Event type se. After AEIC.

ISC	**V**	**02 03 50 32.0–2.2**	**54.27N–.10**	**161.36W–.05**	**23–13**	**3.9b**	**27**	**1-85**
IDC	V	02 03 50 30.4–2.5	54.62N	161.61W	0	3.8,3.7		¶13678213
NEIC	V	02 03 50 34.6	54.41N	161.50W	13	3.3L,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=68.0km s-min=22.7km az=164.0.
NEIC Event type se. After AEIC.

ISC	**V**	**19 21 09 03.5–1.0**	**56.95N–.06**	**155.81W–.04**	**61–9**	**3.9b**	**71**	**1-83**
ISCJB	V	19 21 09 03.4–.49	57.01N–.05	155.83W–.08	75–4	3.7b		¶13439714
IDC	V	19 21 09 03.0–2.9	57.21N	155.97W	47–24	3.9L,3.8		
NEIC	V	19 21 09 05.1	56.96N	155.66W	42	3.1L,3.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.8km az=139.8.
IDC Error ellipse: s-maj=26.2km s-min=16.1km az=25.0.
NEIC Event type se. After AEIC.

ISC	**V**	**24 07 51 15.0–1.8**	**54.44N–.08**	**161.47W–.05**	**16–10**	**4.1b**	**29**	**1-77**
IDC	V	24 07 51 07.6–2.4	53.86N	161.37W	0	3.9b,3.8		¶13679531
NEIC	V	24 07 51 16.6	54.50N	161.53W	10	3.4L,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=17.6km az=151.0.
NEIC Event type se. After AEIC.

ISC	**V**	**28 11 09 59.2–.77**	**58.62N–.05**	**155.08W–.05**	**148–6**	**4.0b**	**98**	**0-65**
IDC	V	28 11 09 56.9–6.0	58.71N	155.21W	112–47	3.8,3.6		¶13679806
ISCJB	V	28 11 09 58.1–.28	58.63N–.03	155.09W–.07	151–3	3.7b,3.6		
NEIC	V	28 11 10 00.8	58.58N	155.05W	139	3.7,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=57.0km s-min=20.4km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.5km az=42.7.
NEIC Event type se. After AEIC.

ISC	**V**	**28 18 11 16.9–2.1**	**54.32N–.09**	**161.35W–.04**	**16–11**	**3.6b**	**26**	**1-66**
IDC	V	28 18 11 11.4–3.4	53.97N	161.41W	0	3.5,3.4		¶13679837
NEIC	V	28 18 11 19.1	54.44N	161.47W	10	3.2L,3.4		

ISC Event type se.
IDC Error ellipse: s-maj=79.5km s-min=18.5km az=158.0.
NEIC Event type se. After AEIC.

ISC	**VI**	**05 23 54 34.3–.91**	**57.83N–.06**	**156.28W–.05**	**119–7**	**3.4b**	**55**	**0-46**
ISCJB	VI	05 23 54 33.0–.43	57.88N–.05	156.26W–.09	127–4	3.5b		¶12938956
NEIC	VI	05 23 54 35.2	57.82N	156.24W	117	2.9		
IDC	VI	05 23 54 37.0–4.8	58.17N	155.85W	120–23	3.6,3.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.6km az=135.8.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=50.6km s-min=19.4km az=73.0.

ISC	**VI**	**06 12 21 41.2–.25**	**54.30N–.04**	**162.62W–.02**	**41–2**	**5.3b,4.7s**	**1023**	**1-160**
MOS	VI	06 12 21 37.0–.96	54.34N	162.62W	19	5.6b,4.6s		¶13195322
BGS	VI	06 12 21 39.4–2.0	54.12N	163.32W	33	5.2b,4.6s		
ISCJB	VI	06 12 21 40.5–.30	54.26N–.03	162.62W–.02	46–2	5.2b,4.7s		
IDC	VI	06 12 21 40.5–.53	54.27N	162.74W	34–3	4.8,4.8		
BJI	VI	06 12 21 41.1	54.61N	163.25W	39	5.2b,5.2b		
NEIC	VI	06 12 21 41.8–.12	54.31N	162.63W	43	5.2b,5.2W		
GCMT	VI	06 12 21 42.6–.20	53.96N	162.35W	36–0	5.3W,5.2W		
SZGRF	VI	06 12 21 51.1	55.86N	162.94W	33	5.5b,4.6s		

ISC Event type fe.
MOS Error ellipse: s-maj=7.2km s-min=3.7km az=88.7.
BGS Error ellipse: s-maj=498.5km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.2km az=0.0.
IDC Error ellipse: s-maj=13.9km s-min=8.6km az=1.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=177.0. Felt at King Cove. Moment Tensor Solution. s44 Moment tensor: Scale 10^{16}Nm; M_{rr}5.48 $M_{\theta\theta}$-3.76 $M_{\phi\phi}$-1.72 $M_{r\theta}$3.56 $M_{\theta\phi}$-3.80 $M_{\phi r}$1.66 Best double couple: NP1:ϕ_s61.00000°,δ62.00000°,λ99.00000°. NP2: ϕ_s223.00000°,δ30.00000°,λ74.00000°. Principal axes: T 6.7100,Plg71.0000°,Azm350.0000° ; N 1.0800,Plg7.0000°,Azm236.0000°; P -7.7900,Plg16.0000°,Azm144.0000° $M_0$7.30000×10^{16} Moment Tensor Solution. M_9.40000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s84,c141; s88,c165; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s238.00000°,δ26.00000°,λ89.00000°. NP2:ϕ_s59.00000° ,δ64.00000°,λ90.00000°. Principal axes: T 1.1000,Plg71.0000°,Azm330.0000° ; N 0.1100,Plg0.0000°,Azm239.0000°; P -1.2200,Plg19.0000°,Azm149.0000° $M_0$1.20000×10^{17}

SZGRF Alaska Peninsula, United States.

ISC	**VI**	**06 12 45 02.1–.55**	**54.25N–.06**	**162.49W–.03**	**33–1**	**4.2b,3.9s**	**158**	**1-85**
MOS	VI	06 12 44 57.3–1.2	54.31N	162.52W	12	4.4b,3.9s		¶13195331
IDC	VI	06 12 44 57.1–1.0	54.29N	162.70W	0	4.2,4.0L		
ISCJB	VI	06 12 45 00.9–.50	54.12N–.05	162.46W–.04	43–3	4.2b,3.9s		
NEIC	VI	06 12 45 00.4	54.15N	162.54W	10	4.2b,3.9L		
BJI	VI	06 12 45 02.8	54.44N	163.45W	29	5.1b,4.7b		

ISC Event type se.
MOS Error ellipse: s-maj=15.9km s-min=7.8km az=80.1.
IDC Error ellipse: s-maj=26.1km s-min=14.3km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=3.2km az=160.1.
NEIC Event type se. After AEIC.

ISC	**VI**	**06 15 17 40.7–1.2**	**54.17N–.07**	**162.52W–.04**	**44–11**	**4.0b**	**79**	**1-85**
IDC	VI	06 15 17 34.6–1.0	54.19N	162.68W	0	4.2,4.1		¶13680679
ISCJB	VI	06 15 17 39.9–.61	54.15N–.06	162.52W–.06	56–5	4.0b,3.0s		
NEIC	VI	06 15 17 39.4	54.15N	162.56W	16	3.8L,3.0s		

ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=12.8km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=3.7km az=153.9.
NEIC Event type se. After AEIC.

ISC	**VI**	**06 16 22 20.5–1.4**	**54.17N–.06**	**162.42W–.03**	**16–7**	**4.4b**	**143**	**1-85**
IDC	VI	06 16 22 18.1–.94	54.25N	162.68W	0	4.3,4.2b		¶13195363
MOS	VI	06 16 22 19.9–.96	54.39N	162.52W	18	4.5b,4.2b		
NEIC	VI	06 16 22 22.4	54.17N	162.52W	14	3.9L,3.8b		

ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=12.0km az=163.0.
MOS Error ellipse: s-maj=14.3km s-min=6.9km az=80.7.
NEIC Event type se. After AEIC.

ISC	**VI**	**06 18 07 51.2–.64**	**54.14N–.05**	**162.57W–.03**	**30–3**	**4.2b,3.5s**	**184**	**1-85**
BJI	VI	06 18 07 46.1	54.14N	162.76W	11	4.7b,4.5s		¶13195381
IDC	VI	06 18 07 47.6–.93	54.23N	162.71W	0	4.3,4.2		
MOS	VI	06 18 07 48.5–.96	54.37N	162.63W	15	4.5b,4.2		
NEIC	VI	06 18 07 52.6	54.22N	162.64W	14	4.2b,4.0L		

ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=12.7km az=173.0.
MOS Error ellipse: s-maj=14.1km s-min=6.7km az=84.6.
NEIC Event type se. After AEIC.

ISC	**VI**	**11 18 50 30.6–.92**	**54.7N–.10**	**162.45W–.05**	**67–8**	**3.7b**	**91**	**0-95**
IDC	VI	11 18 50 21.6–.98	54.42N	162.82W	0	4.1,4.1L		¶13681182
ISCJB	VI	11 18 50 29.8–.41	54.79N–.08	162.47W–.08	79–3	3.8b,4.1L		
NEIC	VI	11 18 50 30.7	54.49N	162.27W	25	4.1L,4.1L		

ISC Event type fe.
IDC Error ellipse: s-maj=27.3km s-min=14.8km az=167.0.
ISCJB Event type fe. Error ellipse: s-maj=14.5km s-min=2.9km az=152.1.
NEIC Event type fe. Felt [III] at King Cove. After AEIC.

ISC	**VI**	**14 12 45 46.7–.79**	**56.15N–.06**	**157.29W–.04**	**48–7**	**4.2b,3.3s**	**182**	**1-84**	
BJI	VI	14 12 45 41.0	56.10N	157.20W	22	4.8b,4.7b			¶13066741
ISCJB	VI	14 12 45 47.7–.28	56.32N–.03	157.47W–.04	71–3	4.1b,4.7b			
IDC	VI	14 12 45 47.0–2.6	56.50N	157.46W	44–22	4.1,4.0			
NEIC	VI	14 12 45 48.1	56.13N	157.17W	29	4.2b,4.0L			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=2.7km az=146.3.
IDC Error ellipse: s-maj=19.9km s-min=10.8km az=22.0.
NEIC Event type se. After AEIC.

ISC	**VI**	**17 14 18 08.8–1.1**	**54.73N–.07**	**160.11W–.04**	**48–9**	**4.5b,3.6s**	**121**	**1-96**	
MOS	VI	17 14 18 02.8–.95	54.79N	160.21W	14	4.8b,3.6s			¶13681542
IDC	VI	17 14 18 02.4–.84	54.73N	160.33W	0	4.3,4.2			
ISCJB	VI	17 14 18 07.9–.65	54.73N–.06	160.15W–.07	55–4	4.4b,3.5s			
NEIC	VI	17 14 18 09.2–.58	54.73N	160.19W	51–4	4.4b,4.1L			

ISC Event type se.
MOS Error ellipse: s-maj=15.4km s-min=8.7km az=92.1.
IDC Error ellipse: s-maj=26.7km s-min=15.0km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=4.0km az=151.7.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=3.4km az=152.0.

ISC	**VI**	**18 11 55 53.8–1.1**	**57.76N–.05**	**155.83W–.05**	**17–9**		**29**	**0-52**	
IDC	VI	18 11 55 52.5–4.1	57.36N	156.11W	82–45	3.2L,3.0			¶13681596
ISCJB	VI	18 11 55 54.3–.58	57.79N–.06	155.85W–.08	22–7	3.6b,3.0			
NEIC	VI	18 11 55 54.2	57.79N	155.83W	5	2.9L,3.0			

ISC Event type se.
IDC Error ellipse: s-maj=61.6km s-min=34.6km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=4.9km az=145.0.
NEIC Event type se. After AEIC.

ISC	**VI**	**27 17 24 14.8–1.7**	**54.50N–.08**	**161.50W–.04**	**27–11**	**3.8b**	**31**	**1-85**	
IDC	VI	27 17 24 10.6–3.6	54.63N	161.79W	0	3.7,3.7			¶13682147
NEIC	VI	27 17 24 15.4	54.51N	161.48W	18	3.4L,3.7			

ISC Event type se.
IDC Error ellipse: s-maj=93.2km s-min=21.1km az=152.0.
NEIC Event type se. After AEIC.

(13) Kodiak Island region.

ISC	**I**	**02 14 17 13.0–.23**	**58.45N–.03**	**152.08W–.02**	**58–1**	**5.2b,4.1s**	**1875**	**1-161**	
SZGRF	I	02 14 16 55.8	57.27N	153.89W	67	5.4b,4.1s			¶13404547
MOS	I	02 14 17 05.2–.91	58.42N	152.44W	10	5.5b,4.0s			
ISCJB	I	02 14 17 12.6–.21	58.56N–.01	152.17W–.02	62–1	5.2b,4.0s			
IDC	I	02 14 17 13.1–.33	58.41N	152.23W	59–3	5.0,5.0			
NEIC	I	02 14 17 13.5	58.38N	151.93W	66	5.4L,5.2b			
BGS	I	02 14 17 13.4–1.8	58.44N	152.60W	67	4.9b,5.2b			
BJI	I	02 14 17 15.3	59.30N	153.09W	53	5.2b,5.2b			

ISC Event type fe.
SZGRF Kodiak Island, Alaska, United States, region.
MOS Error ellipse: s-maj=7.9km s-min=3.4km az=89.9.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=34.1.
IDC Error ellipse: s-maj=8.2km s-min=5.8km az=103.0.
NEIC Event type fe. Felt [III] at Kodiak and [II] at Homer and Port Lions. Also felt at Anchor Point and Kenai. After AEIC. Moment Tensor Solution. $M_0$6.60000×10^{16}
BGS Error ellipse: s-maj=364.1km s-min=999.9km az=-1.0.

ISC	**I**	**13 22 03 19.6–1.2**	**57.05N–.07**	**154.03W–.04**	**48–13**	**4.1b**	**61**	**1-66**	
ISCJB	I	13 22 03 18.6–.61	57.04N–.05	153.97W–.07	62–7	4.1b			¶12081221
NEIC	I	13 22 03 20.3–.49	57.07N	154.02W	50–6	3.2L			
IDC	I	13 22 03 22.8–3.7	57.61N	154.36W	41–38	3.7,3.6b			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.6km az=151.6.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=3.2km az=149.0.
IDC Error ellipse: s-maj=33.1km s-min=27.1km az=26.0.

ISC	**I**	**20 17 08 47.8–.57**	**56.74N–.07**	**154.92W–.05**	**41–3**	**4.0b**	**120**	**1-84**	
ISCJB	I	20 17 08 48.1–.58	56.81N–.05	154.78W–.07	61–5	4.0b			¶12081879
IDC	I	20 17 08 48.5–.81	56.94N	155.07W	39–4	4.1L,3.9			
NEIC	I	20 17 08 48.2	56.73N	154.73W	15	4.2b,3.8L			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.9km az=147.9.
IDC Error ellipse: s-maj=21.6km s-min=11.6km az=7.0.
NEIC Event type fe. Felt at Akhiok. After AEIC.

ISC	**I**	**28 18 21 28.4–.60**	**58.90N–.03**	**152.28W–.04**	**52–5**	**3.6b**	**116**	**1-66**	
ISCJB	I	28 18 21 27.2–.30	58.87N–.03	152.17W–.05	67–5	3.6b			¶12082601
IDC	I	28 18 21 28.3–.86	58.97N	152.57W	50–7	3.6,3.4b			
NEIC	I	28 18 21 29.3	58.89N	152.22W	41	3.4L,3.4b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.4km az=140.5.
IDC Error ellipse: s-maj=21.4km s-min=16.5km az=58.0.
NEIC Event type se. After AEIC.

ISC	**II**	**05 14 12 46.4–1.2**	**58.75N–.03**	**152.26W–.03**	**27–12**		**73**	**1-31**	
ISCJB	II	05 14 12 45.6–.64	58.73N–.03	152.11W–.05	26–7	3.5b			¶12699602
IDC	II	05 14 12 45.8–.96	58.54N	151.65W	0	3.6,3.5b			
NEIC	II	05 14 12 47.7	58.73N	152.24W	21	3.0L,3.5b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.4km az=156.3.
IDC Error ellipse: s-maj=24.8km s-min=7.6km az=121.0.
NEIC Event type se. After AEIC.

ISC	**II**	**10 02 11 20.9–.40**	**57.47N–.04**	**154.62W–.03**	**53–3**	**4.6b,3.4s**	**572**	**1-151**	
MOS	II	10 02 11 17.7–.96	57.54N	154.91W	40	4.8b,3.4s			¶13434431
BJI	II	10 02 11 18.3	57.80N	154.38W	25	4.9b,4.8s			
ISCJB	II	10 02 11 19.6–.27	57.53N–.02	154.68W–.03	53–2	4.6b,3.5s			
IDC	II	10 02 11 21.1–.72	57.61N	154.77W	51–6	4.3,4.2			
NEIC	II	10 02 11 21.3	57.39N	154.58W	30	4.5b,4.4L			

ISC Event type fe.
MOS Error ellipse: s-maj=11.6km s-min=5.0km az=84.7.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.6km az=11.9.
IDC Error ellipse: s-maj=14.1km s-min=7.5km az=179.0.
NEIC Event type fe. Felt at Larsen Bay and Old Harbor. After AEIC.

ISC	**III**	**10 13 13 56.0–.60**	**57.41N–.06**	**153.83W–.03**	**41**	**3.9b**	**80**	**1-84**	
ISCJB	III	10 13 13 53.9–.46	57.26N–.04	153.67W–.05	41	3.9b			¶12702874
IDC	III	10 13 13 56.6–1.0	57.52N	154.11W	39–4	3.8,3.7L			
NEIC	III	10 13 13 57.3	57.36N	153.88W	38	3.4L,3.7L			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=1.0.
IDC Error ellipse: s-maj=27.2km s-min=11.6km az=4.0.
NEIC Event type se. After AEIC.

ISC	**III**	**30 03 42 48.9–.29**	**56.49N–.04**	**152.78W–.03**	**26–1**	**5.2b,4.9s**	**1370**	**1-160**	
BJI	III	30 03 42 43.1	55.75N	152.94W	22	5.4b,5.3s			¶13437623
NEIC	III	30 03 42 46.0	56.29N	152.48W	20	5.2b,5.2W			
SZGRF	III	30 03 42 47.8	56.55N	153.39W	33	5.4b,4.9s			
ISCJB	III	30 03 42 48.1–.11	56.50N–.02	152.75W–.03	28	5.1b,4.9s			
MOS	III	30 03 42 48.0–1.0	56.58N	152.82W	25	5.5b,4.8s			
IDC	III	30 03 42 48.2–1.9	56.48N	152.80W	16–10	5.0,5.0			
GCMT	III	30 03 42 50.2–.30	56.11N	152.29W	12	5.2W,5.0			

ISC Event type se.
NEIC Event type se. After AEIC. Moment Tensor Solution. s82 Moment tensor: Scale 10^{16}Nm; M_{rr}1.62 $M_{\theta\theta}$-2.40 $M_{\phi\phi}$0.78 $M_{r\theta}$6.11 $M_{\theta\phi}$-1.45 $M_{\phi r}$3.22 Best double couple: NP1:ϕ_s62.00000°,δ81.00000°,λ86.00000°. NP2:ϕ_s266.00000°,δ10.00000°,λ114.00000°. Principal axes: T 6.6400,Plg53.0000°,Azm326.0000°; N 1.2800,Plg3.0000°,Azm62.0000° ; P -7.9300,Plg35.0000°,Azm155.0000° $M_0$7.40000×10^{16}
SZGRF Kodiak Island, Alaska, United States, region.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=1.4km az=33.4.
MOS Error ellipse: s-maj=8.8km s-min=3.4km az=89.7.
IDC Error ellipse: s-maj=12.1km s-min=8.8km az=16.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c81; s56,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}2.16±.13 $M_{\theta\theta}$-2.08±.12; $M_{\phi\phi}$-0.08±.10; $M_{r\theta}$7.25±.29; $M_{\theta\phi}$-2.00±.08; $M_{\phi r}$3.21±.31; Best double couple: NP1:ϕ_s222.00000°,δ10.00000°,λ67.00000°. NP2:ϕ_s66.00000°,δ81.00000°,λ94.00000°. Principal axes: T 7.8600,Plg54.0000° ,Azm341.0000°; N 1.0800,Plg4.0000°,Azm246.0000°; P -8.9400,Plg36.0000°,Azm153.0000° $M_0$8.40000×10^{16}

ISC	**III**	**30 03 47 50.8–.82**	**56.61N–.07**	**152.7W–.10**	**22**	**4.2b**	**30**	**1-146**	
NEIC	III	30 03 47 42.6	56.18N	152.21W	20	3.4L			¶12635910
ISCJB	III	30 03 47 49.4–.65	56.74N–.06	152.5W–.10	22	4.0b			
IDC	III	30 03 47 52.4–5.5	56.51N	152.66W	35–41	3.8,3.7b			

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=7.6km az=155.7.
IDC Error ellipse: s-maj=36.3km s-min=14.9km az=45.0.

ISC	**III**	**30 04 28 33.3–.63**	**56.55N–.06**	**152.66W–.06**	**20**	**4.1b**	**83**	**1-84**	
IDC	III	30 04 28 30.2–.94	56.53N	152.82W	0	4.1,4.0			¶12635913
ISCJB	III	30 04 28 31.0–.47	56.49N–.04	152.55W–.07	20	4.0b,4.0			
NEIC	III	30 04 28 32.3	56.31N	152.54W	24	3.7L,4.0			

ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=14.2km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.7km az=140.1.
NEIC Event type se. After AEIC.

ISC	**III**	**30 07 13 06.2–.17**	**56.40N–.02**	**152.77W–.02**	**17**	**6.0s,5.8b**	**2030**	**1-160**	
BJI	III	30 07 13 03.8	56.55N	153.12W	12	6.4s,6.2b			¶13437633
MOS	III	30 07 13 04.1–.90	56.47N	152.79W	10	6.1b,5.8s			
IDC	III	30 07 13 04.1–.33	56.61N	152.61W	0	5.8,5.8s			
ISCJB	III	30 07 13 05.8–.09	56.49N–.02	152.69W–.02	21	5.9s,5.7b			
BGS	III	30 07 13 05.4–1.8	56.50N	154.89W	21	6.1s,5.5b			
NEIC	III	30 07 13 07.3–.11	56.55N	152.74W	21	6.1W,5.9b			
GCMT	III	30 07 13 08.8–.10	56.26N	152.64W	12	6.0W,5.9b			
SZGRF	III	30 07 13 13.1	57.02N	153.05W	26	6.1b,6.0s			
DJA	III	30 07 13 46.5–5.0	57N–10	155W–21	307–47	5.8,5.8b			

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Kasilof, Seward and Soldotna; [II] at Homer, Kenai and Kodiak. Also felt at Anchorage, Anchor Point, Moose Pass and Sterling. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s84 Moment tensor: Scale 10^{17}Nm; M_{rr}2.18 $M_{\theta\theta}$-3.79 $M_{\phi\phi}$1.61 $M_{r\theta}$6.52 $M_{\theta\phi}$-0.49 $M_{\phi r}$4.56 Best double couple: NP1:ϕ_s56.00000°,δ82.00000°,λ74.00000°. NP2: ϕ_s299.00000°,δ18.00000°,λ152.00000°. Principal axes: T 8.4000,Plg50.0000°,Azm308.0000° ; N 0.4400,Plg15.0000°,Azm58.0000°; P -8.8400,Plg34.0000°,Azm159.0000° $M_0$8.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 71, comp= 73, per= 50. Moment Tensor Solution. s88,c169; s2,c2; Moment tensor: Scale 10^{18}Nm; M_{rr}0.03±.01 $M_{\theta\theta}$-0.06±.01; $M_{\phi\phi}$0.04±.01; $M_{r\theta}$1.17±.02; $M_{\theta\phi}$-0.06±.01; $M_{\phi r}$0.74±.02; Best double couple: NP1:ϕ_s267.00000°,δ1.00000°,λ120.00000°. NP2:ϕ_s58.00000°,δ89.00000°,λ89.00000°. Principal axes: T 1.3500,Plg46.0000°,Azm327.0000°; N 0.0600,Plg1.0000°,Azm58.0000° ; P -1.4200,Plg44.0000°,Azm148.0000° $M_0$1.40000×10^{18}
SZGRF Kodiak Island, Alaska, United States, region.

ISC	**III**	**30 07 34 42.0–.86**	**56.52N–.09**	**152.51W–.07**	**20**	**3.9b**	**39**	**1-67**	
ISCJB	III	30 07 34 39.8–.71	56.37N–.06	152.55W–.10	20	3.7b			¶12635924
IDC	III	30 07 34 39.1–1.2	56.40N	152.72W	0	3.9,3.8			
NEIC	III	30 07 34 40.4	56.23N	152.37W	20	3.5L,3.8			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.8km az=148.9.
IDC Error ellipse: s-maj=28.1km s-min=18.8km az=7.0.
NEIC Event type se. After AEIC.

ISC	**III**	**30 07 40 33.0–.79**	**56.58N–.07**	**152.56W–.06**	**20**	**4.1b**	**60**	**1-73**	
IDC	III	30 07 40 29.7–1.2	56.52N	152.76W	0	3.9,3.8b			¶12635926
ISCJB	III	30 07 40 30.6–.66	56.50N–.06	152.45W–.09	20	3.8b,3.8b			
NEIC	III	30 07 40 30.6	56.25N	152.40W	20	3.5L,3.8b			

ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=20.1km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.9km az=173.4.
NEIC Event type se. After AEIC.

ISC	**III**	**30 09 34 26.9–.73**	**56.54N–.07**	**152.48W–.07**	**20**	**4.0b**	**56**	**1-85**	
IDC	III	30 09 34 23.6–1.0	56.45N	152.68W	0	4.0,3.8b			¶12635932
ISCJB	III	30 09 34 24.5–.58	56.43N–.05	152.47W–.10	20	3.9b,3.8b			
NEIC	III	30 09 34 25.0	56.19N	152.41W	21	3.3L,3.8b			

ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=16.5km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=7.4km az=137.7.
NEIC Event type se. After AEIC.

ISC	**III**	**30 10 02 46.9–.89**	**56.49N–.07**	**152.67W–.08**	**20**	**3.7b**	**29**	**1-67**	
IDC	III	30 10 02 43.2–1.2	56.19N	153.18W	0	3.8,3.7L			¶12635935
ISCJB	III	30 10 02 45.0–.69	56.39N–.06	152.8W–.10	20	3.5b,3.7L			
NEIC	III	30 10 02 47.1	56.32N	152.88W	20	3.1L,3.7L			

ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=19.3km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.0km az=44.8.
NEIC Event type se. After AEIC.

ISC	**III**	**30 11 04 29.3–.70**	**56.82N–.07**	**152.40W–.08**	**10**	**4.0b**	**50**	**1-147**	
NEIC	III	30 11 04 18.8	56.03N	152.22W	20	4.2b,3.9L			¶12635937
ISCJB	III	30 11 04 27.7–.52	56.82N–.05	152.7W–.10	10	3.9b,3.9L			
IDC	III	30 11 04 28.7–1.1	56.83N	152.29W	0	3.9b,3.9			

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.6km az=153.5.
IDC Error ellipse: s-maj=30.9km s-min=13.4km az=39.0.

IDC	**III**	**30 11 04 34.2–.63**	**56.65N**	**152.50W**	**0**	**4.2b,4.2**			¶12635938

IDC Error ellipse: s-maj=18.7km s-min=11.8km az=24.0.

ISC	**III**	**30 11 29 50.4–.39**	**56.60N–.05**	**152.68W–.04**	**20**	**4.7b,3.8s**	**258**	**1-84**	
BJI	III	30 11 29 47.9	56.11N	153.14W	25	5.0b,4.9s			¶13437645
NEIC	III	30 11 29 48.4	56.25N	152.37W	14	4.8b,4.2L			
ISCJB	III	30 11 29 49.1–.25	56.59N–.03	152.55W–.04	20	4.6b,3.7s			
IDC	III	30 11 29 49.6–3.1	56.51N	152.68W	13–18	4.3,4.3			
MOS	III	30 11 29 49.1–.96	56.58N	152.70W	21	4.8b,4.3			

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=166.5.
IDC Error ellipse: s-maj=18.6km s-min=10.8km az=15.0.
MOS Error ellipse: s-maj=13.0km s-min=4.9km az=88.4.

ISC	**III**	**30 12 09 09.0–.56**	**56.47N–.06**	**152.64W–.05**	**20**	**4.7b**	**388**	**1-74**	
IDC	III	30 12 09 05.8–.75	56.43N	152.75W	0	5.4s,5.4			¶12635942
ISCJB	III	30 12 09 07.4–.21	56.54N–.02	152.65W–.05	20	5.4s,4.9b			
NEIC	III	30 12 09 07.5	56.23N	152.59W	24	4.4L,4.1b			

ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=12.1km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.4km az=143.1.
NEIC Event type se. After AEIC.

ISC	**III**	**30 13 12 41.3–1.4**	**56.5N–.10**	**152.6W–.10**	**10**	**3.8b**	**21**	**1-67**	
IDC	III	30 13 12 36.4–2.4	55.81N	152.77W	0	3.6,3.5b			¶12635944
NEIC	III	30 13 12 41.4	56.26N	152.68W	20	3.1L,3.5b			

ISC Event type se.
IDC Error ellipse: s-maj=48.5km s-min=24.9km az=140.0.
NEIC Event type se. After AEIC.

ISC	**III**	**30 13 31 24.7–1.5**	**56.5N–.10**	**152.6W–.10**	**20**	**3.8b**	**24**	**1-65**	
IDC	III	30 13 31 17.9–2.6	55.78N	152.72W	0	3.7,3.6			¶12635946
NEIC	III	30 13 31 24.4	56.31N	152.81W	20	2.9L,3.6			

ISC Event type se.
IDC Error ellipse: s-maj=48.1km s-min=26.8km az=141.0.
NEIC Event type se. After AEIC.

ISC	**III**	**30 13 32 32.3–1.7**	**56.6N–.10**	**152.4W–.10**	**20**		**20**	**1-65**	
IDC	III	30 13 32 27.1–2.6	56.07N	153.00W	0	3.6s,3.6			¶12635947
NEIC	III	30 13 32 30.3	56.29N	152.57W	20	2.9L,3.6			

ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=28.7km az=136.0.
NEIC Event type se. After AEIC.

ISC	**III**	**30 15 04 26.4–1.5**	**56.5N–.10**	**152.8W–.10**	**22**	**3.7b**	**22**	**1-67**	
IDC	III	30 15 04 18.9–3.3	55.67N	152.84W	0	4.7L,3.3			¶12635952
ISCJB	III	30 15 04 23.1–1.2	56.31N–.09	152.6W–.20	22	3.6b,3.3			
NEIC	III	30 15 04 26.9	56.43N	153.03W	20	2.7L,3.3			

ISC Event type se.
IDC Error ellipse: s-maj=68.6km s-min=30.0km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=10.8km az=36.8.
NEIC Event type se. After AEIC.

ISC	**III**	**30 17 38 14.5–.36**	**56.46N–.04**	**152.84W–.03**	**22–1**	**5.2b,4.7s**	**1011**	**1-160**	

BJI	III	30 17 38 09.0	56.30N	152.70W	10	5.2s,5.2b		¶13437668
MOS	III	30 17 38 12.7–.86	56.57N	152.92W	16	5.4b,4.7s		
NEIC	III	30 17 38 13.5	56.30N	152.66W	23	5.2b,4.9L		
IDC	III	30 17 38 13.9–2.1	56.48N	152.85W	15–12	4.8,4.8		
ISCJB	III	30 17 38 13.5–.11	56.49N–.02	152.84W–.03	24	5.1b,4.7s		
GCMT	III	30 17 38 15.1–.30	56.00N	152.12W	32–1	5.0W,4.7s		
SZGRF	III	30 17 38 21.0	56.95N	153.61W	33	5.2b,4.7s		

ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=3.5km az=88.7.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=13.2km s-min=8.8km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=1.6km az=28.7.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s43,c58; s62,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}2.45±.18 $M_{\theta\theta}$-1.43±.13; $M_{\phi\phi}$-1.02±.12; $M_{r\theta}$2.22±.21; $M_{\theta\phi}$-2.02±.08; $M_{\phi r}$1.71±.17; Best double couple: NP1:ϕ_s222.00000°,δ23.00000°,λ81.00000°. NP2:ϕ_s52.00000°,δ67.00000°,λ94.00000°. Principal axes: T 3.6100,Plg67.0000° ,Azm329.0000°; N 0.7900,Plg4.0000°,Azm230.0000°; P -4.4000,Plg22.0000°,Azm139.0000° M_o4.00000×10^{16}
SZGRF Kodiak Island, Alaska, United States, region.

ISC	**III**	**31 03 27 33.5–1.6**	**56.46N–.05**	**152.60W–.04**	**10–9**	**4.3b**	**165 1-85**	
ISCJB	III	31 03 27 30.8–1.1	56.39N–.03	152.55W–.05	6–7	4.2b,3.4s		¶13437684
MOS	III	31 03 27 32.3–.83	56.47N	152.70W	12	4.5b,3.4s		
IDC	III	31 03 27 32.4–.65	56.46N	152.73W	0	4.3,4.2		
NEIC	III	31 03 27 34.6	56.25N	152.57W	20	4.2b,3.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=145.7.
MOS Error ellipse: s-maj=16.3km s-min=6.0km az=86.1.
IDC Error ellipse: s-maj=17.1km s-min=11.8km az=20.0.
NEIC Event type se. After AEIC.

ISC	**III**	**31 09 56 21.3–2.0**	**56.39N–.06**	**152.79W–.05**	**5–12**	**4.0b**	**75 1-67**	
IDC	III	31 09 56 20.6–.87	56.12N	153.11W	0	4.0,3.8		¶12636019
ISCJB	III	31 09 56 22.7–1.4	56.45N–.04	152.70W–.07	23–11	3.8b,3.8		
NEIC	III	31 09 56 22.9	56.21N	152.63W	20	3.5L,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=13.9km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.5km az=141.4.
NEIC Event type se. After AEIC.

ISC	**III**	**31 23 30 34.6–1.5**	**56.7N–.10**	**152.7W–.10**	**20**	**3.5b**	**18 1-67**	
NEIC	III	31 23 30 32.4	56.25N	152.59W	23	2.9L		¶12636059
IDC	III	31 23 30 40.1–3.5	56.99N	152.88W	52–21	3.6L,3.2		

ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=40.0km s-min=32.4km az=155.0.

ISC	**IV**	**05 23 19 58.5–1.5**	**56.4N–.10**	**152.50W–.09**	**35**	**3.8b**	**19 1-67**	
IDC	IV	05 23 19 50.6–2.4	55.81N	152.65W	0	3.6,3.5b		¶12934529
NEIC	IV	05 23 19 55.8	56.27N	152.56W	25	2.9L,3.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=51.1km s-min=23.7km az=139.0.
NEIC Event type se. After AEIC.

ISC	**IV**	**12 07 00 03.9–3.4**	**56.6N–.10**	**152.09W–.06**	**35–16**	**3.9b**	**49 1-73**	
IDC	IV	12 06 59 58.3–1.5	56.52N	152.24W	0	3.7,3.7b		¶12935116
ISCJB	IV	12 07 00 02.7–1.1	56.63N–.07	151.91W–.08	42–9	3.7b,3.7b		
NEIC	IV	12 07 00 03.9	56.57N	152.11W	27	3.0L,3.7b		

ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=22.4km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=7.6km az=174.9.
NEIC Event type se. After AEIC.

ISC	**IV**	**19 00 54 22.2–1.9**	**56.6N–.10**	**152.25W–.05**	**44–16**	**3.4b**	**59 1-84**	
IDC	IV	19 00 54 15.1–1.2	56.45N	152.81W	0	3.7,3.6		¶12935717
NEIC	IV	19 00 54 16.6	56.21N	152.39W	20	3.2L,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=17.4km az=46.0.
NEIC Event type se. After AEIC.

ISC	**V**	**02 21 50 43.4–1.6**	**56.50N–.06**	**153.57W–.04**	**9–9**	**4.3b,3.2s**	**101 0-91**	
IDC	V	02 21 50 43.5–2.1	56.70N	153.94W	0	4.2,4.1		¶13439288
ISCJB	V	02 21 50 44.3–.82	56.51N–.04	153.48W–.06	28–5	4.1b,3.5s		
NEIC	V	02 21 50 46.4	56.65N	153.65W	3	3.6L,3.5s		

ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=16.1km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.6km az=154.4.
NEIC Event type se. After AEIC.

ISC	**V**	**03 05 09 51.7–1.7**	**56.49N–.06**	**152.22W–.04**	**5–10**	**4.1b**	**109 1-85**	
IDC	V	03 05 09 50.9–.92	56.48N	152.42W	0	4.1,4.0		¶12750427
ISCJB	V	03 05 09 50.3–1.1	56.50N–.04	152.02W–.05	11–7	3.9b,4.0		
NEIC	V	03 05 09 51.8	56.31N	152.11W	15	3.5L,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=14.3km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.1km az=171.6.
NEIC Event type se. After AEIC.

ISC	**V**	**12 07 30 51.8–.72**	**57.30N–.05**	**154.90W–.04**	**65–7**	**4.0b**	**90 1-147**	
ISCJB	V	12 07 30 49.9–.36	57.25N–.04	154.80W–.05	73–4	3.8b		¶12818726
IDC	V	12 07 30 51.4–2.5	57.46N	155.12W	52–22	3.8,3.7		
NEIC	V	12 07 30 52.4	57.27N	154.88W	37	3.6L,3.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.5km az=148.2.
IDC Error ellipse: s-maj=23.3km s-min=16.1km az=21.0.
NEIC Event type se. After AEIC.

ISC	**V**	**15 17 38 18.5–.43**	**56.44N–.05**	**152.23W–.03**	**28–1**	**4.9b,4.4s**	**580 1-152**	
NEIC	V	15 17 38 14.9	56.27N	152.04W	10	4.6b,4.3L		¶12825031
IDC	V	15 17 38 14.6–.54	56.50N	152.38W	0	4.7,4.6		
BJI	V	15 17 38 16.2	56.40N	152.53W	29	5.1b,5.0s		
ISCJB	V	15 17 38 17.5–.17	56.59N–.02	152.19W–.03	27	4.8b,4.5s		
MOS	V	15 17 38 18.5–.99	56.61N	152.31W	33	5.2b,4.4s		
GCMT	V	15 17 38 19.2–.30	56.15N	151.99W	13–1	4.9W,4.4s		
SZGRF	V	15 17 38 30.2	58.02N	152.88W	33	5.1b,4.4s		

ISC Event type fe.
NEIC Event type fe. Felt at Old Harbor. After AEIC.
IDC Error ellipse: s-maj=16.0km s-min=10.1km az=19.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=9.4.
MOS Error ellipse: s-maj=10.8km s-min=3.7km az=88.7.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s26,c32; s59,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}1.22±.12 $M_{\theta\theta}$-0.88±.07; $M_{\phi\phi}$-0.34±.08; $M_{r\theta}$2.23±.35; $M_{\theta\phi}$-0.97±.05; $M_{\phi r}$0.12±.19; Best double couple: NP1:ϕ_s206.00000°,δ24.00000°,λ38.00000°. NP2:ϕ_s81.00000°,δ76.00000°,λ109.00000°. Principal axes: T 2.7000,Plg55.0000° ,Azm15.0000°; N -0.0600,Plg18.0000°,Azm256.0000°; P -2.6400,Plg28.0000° ,Azm156.0000° M_o2.70000×10^{16}
SZGRF Kodiak Island, Alaska, United States, region.

ISC	**V**	**15 17 53 37.7–1.2**	**56.41N–.09**	**152.11W–.07**	**18**	**3.8b**	**38 1-73**	
IDC	V	15 17 53 35.6–2.1	56.40N	152.40W	0	3.7b,3.6		¶13679008
ISCJB	V	15 17 53 37.2–.86	56.47N–.06	151.99W–.09	18	3.7b,3.6		
NEIC	V	15 17 53 40.9	56.57N	152.19W	10	2.8L,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=31.2km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=7.2km az=12.5.
NEIC Event type se. After AEIC.

ISC	**V**	**15 18 15 35.8–1.3**	**56.4N–.10**	**152.14W–.06**	**18**	**3.7b**	**33 1-73**	
ISCJB	V	15 18 15 33.8–.94	56.40N–.07	151.94W–.08	18	3.6b		¶13679009
IDC	V	15 18 15 33.5–2.1	56.39N	152.31W	0	3.7b,3.6		
NEIC	V	15 18 15 36.8	56.44N	152.15W	10	2.9L,3.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.2km az=168.0.
IDC Error ellipse: s-maj=38.2km s-min=34.9km az=135.0.
NEIC Event type se. After AEIC.

ISC	**V**	**15 18 24 17.9–.39**	**56.53N–.04**	**152.40W–.03**	**28–2**	**5.1b,4.9s**	**880 1-152**	
IDC	V	15 18 24 13.6–.51	56.50N	152.43W	0	5.0,5.0		¶13065842
NEIC	V	15 18 24 13.4	56.26N	151.98W	10	5.1b,4.8L		
ISCJB	V	15 18 24 16.5–.13	56.48N–.02	152.37W–.03	31	5.0b,4.9s		
BJI	V	15 18 24 16.7	56.56N	152.89W	30	5.4s,5.3b		
GCMT	V	15 18 24 18.8–.20	56.23N	151.88W	12	5.2W,5.3b		
MOS	V	15 18 24 19.8–.87	56.97N	152.85W	33	5.5b,4.8s		
SZGRF	V	15 18 24 28.8	58.00N	154.16W	33	5.5b,4.8s		

ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=9.1km az=19.0.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.0km az=27.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c99; s96,c171; Moment tensor: Scale 10^{16}Nm; M_{rr}4.36±.09 $M_{\theta\theta}$-3.11±.08; $M_{\phi\phi}$-1.25±.08; $M_{r\theta}$7.08±.23; $M_{\theta\phi}$-2.31±.07; $M_{\phi r}$3.20±.25; Best double couple: NP1:ϕ_s227.00000°,δ16.00000°,λ73.00000°. NP2:ϕ_s64.00000°,δ75.00000°,λ95.00000°. Principal axes: T 8.8900,Plg60.0000° ,Azm341.0000°; N 0.2000,Plg5.0000°,Azm243.0000°; P -9.0900,Plg30.0000°,Azm151.0000° M_o9.00000×10^{16}
MOS Error ellipse: s-maj=12.5km s-min=3.6km az=87.9.
SZGRF Alaska Peninsula, United States.

ISC	**V**	**15 18 27 19.0–.95**	**56.54N–.08**	**152.21W–.10**	**18**	**4.0b**	**29 1-98**	
IDC	V	15 18 27 15.9–1.2	56.49N	152.36W	0	4.8,4.8s		¶13439613
ISCJB	V	15 18 27 17.2–.75	56.47N–.07	152.2W–.20	18	4.9s,3.9b		
NEIC	V	15 18 27 20.5	56.54N	152.33W	10	3.3L,3.9b		

ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=18.9km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=7.0km az=150.4.
NEIC Event type se. After AEIC.

ISC	**V**	**15 18 33 07.6–.81**	**56.56N–.07**	**152.15W–.09**	**18**	**3.9b**	**47 1-85**	
IDC	V	15 18 33 04.8–1.1	56.54N	152.33W	0	3.9,3.8		¶13679011
ISCJB	V	15 18 33 05.4–.65	56.45N–.06	152.1W–.10	18	3.8b,3.8		
NEIC	V	15 18 33 09.4	56.56N	152.37W	10	2.9L,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=19.4km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.7km az=155.5.
NEIC Event type se. After AEIC.

ISC	**V**	**15 18 38 19.7–.84**	**56.57N–.09**	**152.06W–.06**	**18**	**4.0b**	**63 1-85**	
IDC	V	15 18 38 16.6–1.2	56.49N	152.37W	0	4.0,3.9		¶13439614
ISCJB	V	15 18 38 17.4–.63	56.50N–.05	151.89W–.09	18	3.9b,3.9		
NEIC	V	15 18 38 20.6	56.54N	152.10W	10	4.0b,3.4L		

ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=21.6km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.6km az=43.6.
NEIC Event type se. After AEIC.

ISC	**V**	**15 18 41 49.1–.43**	**56.51N–.06**	**152.34W–.04**	**20**	**4.4b**	**212 1-152**	
IDC	V	15 18 41 46.3–.59	56.50N	152.45W	0	4.4,4.3		¶13439615
NEIC	V	15 18 41 46.6	56.29N	152.03W	10	4.5b,3.9L		
ISCJB	V	15 18 41 47.5–.27	56.53N–.03	152.21W–.05	20	4.6s,4.3b		
BJI	V	15 18 41 50.8	56.72N	153.12W	30	4.9s,4.9b		

ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=10.8km az=29.0.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.9km az=1.5.

ISC	**V**	**15 18 44 12.2–.62**	**56.56N–.07**	**152.11W–.05**	**18**	**4.2b**	**79 1-146**	
IDC	V	15 18 44 09.3–.84	56.51N	152.39W	0	4.3,4.2		¶13439616
NEIC	V	15 18 44 09.7	56.28N	152.04W	10	4.2b,3.5L		
ISCJB	V	15 18 44 10.4–.51	56.55N–.05	151.93W–.07	18	4.1b,3.5L		

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.

ISC	**V**	**15 19 04 52.4–1.1**	**56.57N–.08**	**152.07W–.08**	**18**	**4.0b**	**23 1-62**	
IDC	V	15 19 04 49.5–1.6	56.47N	152.42W	0	3.8,3.7b		¶13679015
ISCJB	V	15 19 04 50.4–.93	56.51N–.07	151.9W–.10	18	3.8b,3.7b		
NEIC	V	15 19 04 51.0	56.45N	151.81W	10	2.9L,3.7b		

ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=24.9km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=8.7km az=148.4.
NEIC Event type se. After AEIC.

ISC	**V**	**15 19 23 15.6–.32**	**56.47N–.04**	**152.25W–.03**	**14–1**	**5.1b,4.9s**	**913 1-160**	
NEIC	V	15 19 23 13.9	56.29N	151.97W	10	5.1b,4.6L		¶12826730
IDC	V	15 19 23 13.6–.48	56.48N	152.37W	0	5.0,5.0		
INMG	V	15 19 23 13.9	56.29N	151.97W	10	5.1b,5.0		
BJI	V	15 19 23 14.4	56.87N	152.95W	6	5.4s,5.3b		
ISCJB	V	15 19 23 15.3–.13	56.58N–.02	152.19W–.03	18	5.0b,4.9s		
GCMT	V	15 19 23 18.9–.20	56.22N	151.87W	12	5.2W,4.9s		
MOS	V	15 19 23 19.1–.74	56.85N	152.64W	33	5.4b,4.9s		
SZGRF	V	15 19 23 24.4	57.22N	153.34W	33	5.3b,4.8s		

ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=14.6km s-min=9.3km az=20.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.0km az=26.1.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c98; s89,c161; Moment tensor: Scale 10^{16}Nm; M_{rr}4.59±.10 $M_{\theta\theta}$-3.17±.09; $M_{\phi\phi}$-1.42±.09; $M_{r\theta}$7.45±.25; $M_{\theta\phi}$-2.40±.08; $M_{\phi r}$3.00±.29; Best double couple: NP1:ϕ_s223.00000°,δ16.00000°,λ68.00000°. NP2:ϕ_s66.00000°,δ75.00000°,λ96.00000°. Principal axes: T 9.2900,Plg60.0000° ,Azm345.0000°; N 0.0700,Plg6.0000°,Azm245.0000°; P -9.3500,Plg30.0000°,Azm151.0000° M_o9.30000×10^{16}
MOS Error ellipse: s-maj=11.9km s-min=3.5km az=88.1.
SZGRF Kodiak Island, Alaska, United States, region.

ISC	**V**	**15 19 59 43.0–.63**	**56.47N–.05**	**152.29W–.04**	**14–3**	**4.6b,4.0s**	**346 1-85**	
ISCJB	V	15 19 59 41.4–.24	56.52N–.03	152.27W–.04	14	4.5b,4.1s		¶12826731
IDC	V	15 19 59 41.2–.62	56.48N	152.44W	0	4.4,4.4		
NEIC	V	15 19 59 41.7	56.29N	152.06W	10	4.7b,4.0L		
BJI	V	15 19 59 42.9	56.80N	153.16W	10	5.2b,4.9s		
MOS	V	15 19 59 45.1–.99	56.66N	152.47W	33	4.9b,4.9s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.3km az=160.7.
IDC Error ellipse: s-maj=17.5km s-min=10.9km az=22.0.
NEIC Event type se. After AEIC.
MOS Error ellipse: s-maj=12.9km s-min=4.3km az=88.2.

ISC	**V**	**15 20 03 52.8–.87**	**56.40N–.08**	**152.06W–.06**	**18**	**4.0b**	**49 1-81**	
ISCJB	V	15 20 03 50.9–.70	56.39N–.05	152.00W–.08	18	3.8b		¶13439619
IDC	V	15 20 03 50.8–1.8	56.39N	152.36W	0	3.9,3.8b		
NEIC	V	15 20 03 52.3	56.32N	152.11W	10	3.2L,3.8b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.0km az=158.3.
IDC Error ellipse: s-maj=35.8km s-min=33.4km az=156.0.
NEIC Event type se. After AEIC.

ISC	**V**	**15 20 47 24.0–.52**	**56.61N–.07**	**152.19W–.05**	**18**	**4.3b,3.7s**	**191 1-85**	
BJI	V	15 20 47 18.2	56.50N	152.30W	2	4.9s,4.9b		¶12826733
IDC	V	15 20 47 20.9–.69	56.52N	152.36W	0	4.3,4.3		
ISCJB	V	15 20 47 22.2–.27	56.61N–.03	152.13W–.05	18	4.2b,3.8s		
MOS	V	15 20 47 24.1–.93	56.66N	152.29W	33	4.6b,3.8s		
NEIC	V	15 20 47 25.6	56.64N	152.19W	10	4.2b,3.7L		

ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=11.3km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.6km az=39.3.
MOS Error ellipse: s-maj=14.2km s-min=5.6km az=90.1.
NEIC Event type se. After AEIC.

ISC	**V**	**15 22 56 00.4–.84**	**56.40N–.08**	**152.21W–.06**	**18**	**4.0b**	**66 1-81**	
ISCJB	V	15 22 55 58.2–.69	56.36N–.06	152.05W–.07	18	4.0b,3.3s		¶12826734
IDC	V	15 22 55 58.6–1.8	56.42N	152.35W	0	3.9b,3.9		
NEIC	V	15 22 56 01.2	56.41N	152.16W	10	3.2L,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.9km az=161.7.
IDC Error ellipse: s-maj=35.1km s-min=32.5km az=166.0.
NEIC Event type se. After AEIC.

ISC	**V**	**16 01 35 21.8–.45**	**56.55N–.06**	**152.08W–.04**	**18**	**4.5b**	**368 1-85**	
BJI	V	16 01 35 18.2	56.26N	152.80W	6	4.9b,4.8b		¶12826736
IDC	V	16 01 35 19.2–.59	56.52N	152.25W	0	4.4,4.4		
NEIC	V	16 01 35 20.4	56.34N	152.00W	10	4.3b,3.9L		
ISCJB	V	16 01 35 21.0–.24	56.60N–.03	152.08W–.04	18	5.1s,4.4b		
MOS	V	16 01 35 23.3–.93	56.63N	152.24W	33	4.7b,4.4b		

ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=10.4km az=24.0.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.4km az=24.5.
MOS Error ellipse: s-maj=12.8km s-min=4.2km az=87.2.

ISC	**V**	**16 03 00 26.2–.72**	**56.58N–.07**	**152.07W–.05**	**18**	**3.9b**	**75 1-84**	

IDC V 16 03 00 23.3–1.1 56.54N 152.29W 0 4.0,3.9 ¶12826740
ISCJB V 16 03 00 24.1–.54 56.52N–.04 152.01W–.07 18 3.8b,3.9
NEIC V 16 03 00 25.0 56.42N 152.08W 10 3.2L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=16.5km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=11.9.
NEIC Event type se. After AEIC.
ISC V 16 05 54 29.0–.97 56.48N–.08 152.17W–.06 18 3.8b 54 1-73
IDC V 16 05 54 26.0–1.7 56.33N 152.60W 0 3.8,3.7 ¶12826742
ISCJB V 16 05 54 27.2–.79 56.41N–.06 152.02W–.08 18 3.7b,3.7
NEIC V 16 05 54 29.1 56.38N 152.20W 8 3.2L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=25.4km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.4km az=175.3.
NEIC Event type se. After AEIC.
ISC V 16 10 01 12.8–1.6 56.35N–.06 152.26W–.04 29–10 4.3b,3.9s 209 1-146
IDC V 16 10 01 09.4–.62 56.42N 152.43W 0 4.3,4.2 ¶13439631
NEIC V 16 10 01 09.6 56.21N 152.11W 10 4.2b,4.0L
BJI V 16 10 01 10.6 56.40N 152.40W 10 5.1b,4.6s
MOS V 16 10 01 13.1–1.1 56.62N 152.39W 33 4.7b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=11.4km az=22.0.
NEIC Event type se. After AEIC.
MOS Error ellipse: s-maj=14.9km s-min=5.4km az=85.2.
ISC V 16 13 29 55.0–1.1 56.50N–.10 152.21W–.07 18 3.4b 44 1-73
IDC V 16 13 29 52.1–1.6 56.44N 152.25W 0 3.8,3.6 ¶13679058
ISCJB V 16 13 29 53.2–.78 56.48N–.06 152.01W–.09 18 3.5b,3.6
NEIC V 16 13 29 55.9 56.49N 152.30W 10 3.2L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=19.0km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.7km az=29.1.
NEIC Event type se. After AEIC.
ISC V 16 18 21 20.9–.43 56.40N–.05 152.34W–.04 15–1 5.6s,4.9b 558 1-152
NEIC V 16 18 21 18.5 56.20N 152.07W 10 4.8L,4.7b ¶13439638
IDC V 16 18 21 18.9–.51 56.44N 152.52W 0 5.6s,5.6
SZGRF V 16 18 21 19.0 56.15N 153.52W 33 5.1b,5.6
BJI V 16 18 21 19.5 56.52N 152.97W 13 5.7s,5.4
ISCJB V 16 18 21 20.5–.16 56.52N–.02 152.35W–.04 20 5.6s,4.8b
MOS V 16 18 21 22.5–.99 56.60N 152.38W 33 5.7s,5.2b
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=14.5km s-min=9.7km az=15.0.
SZGRF Kodiak Island, Alaska, United States, region.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.6km az=26.3.
MOS Error ellipse: s-maj=9.8km s-min=4.2km az=90.0.
ISC V 16 18 22 27.2–.24 56.42N–.03 152.37W–.03 20 5.9s,5.4b 781 1-160
IDC V 16 18 22 24.4–.66 56.47N 152.47W 0 5.6s,5.6 ¶13679072
ISCJB V 16 18 22 26.5–.13 56.51N–.02 152.21W–.03 20 5.9s,5.3b
NEIC V 16 18 22 26.9–.16 56.45N 152.43W 20 5.8s,5.8W
MOS V 16 18 22 28.3–1.2 56.64N 152.06W 33 5.8s,5.6b
BJI V 16 18 22 32.9 56.40N 152.60W 70 6.2s,6.0
DJA V 16 18 22 34.5–2.2 58N–18 155W–50 10 6.0b,5.6
GCMT V 16 18 22 35.7–.10 56.11N 152.01W 12 5.9W,5.6
SZGRF V 16 18 22 38.8 57.77N 153.15W 33 5.8s,5.7b
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=11.0km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.0km az=37.6.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.4km az=35.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ85.00000° ,λ90.00000°. NP2:ϕ_s225.00000°,δ5.00000°,λ90.00000°. Principal axes: T Plg50.0000° ,Azm315.0000°; N Plg0.0000°,Azm0.0000°; P Plg40.0000°,Azm135.0000° Moment Tensor Solution. s96 Moment tensor: Scale 10^{17}Nm; M_{rr}0.92 $M_{\theta\theta}$-2.36 $M_{\phi\phi}$1.44 $M_{r\theta}$5.87 $M_{\theta\phi}$-1.64 $M_{\phi r}$3.30 Best double couple: NP1:ϕ_s59.00000°,δ82.00000°,λ83.00000°. NP2:ϕ_s283.00000° ,δ11.00000°,λ134.00000°. Principal axes: T 6.0800,Plg52.0000°,Azm320.0000° ; N 1.9100,Plg7.0000°,Azm59.0000°; P -8.0000,Plg36.0000°,Azm155.0000° $M_0$7.20000×10^{17}
MOS Error ellipse: s-maj=8.7km s-min=5.2km az=99.3.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=255, per= 50. Moment Tensor Solution. s98,c207; s62,c74; Moment tensor: Scale 10^{17}Nm; M_{rr}3.91±.04 $M_{\theta\theta}$-2.80±.04; $M_{\phi\phi}$-1.10±.04; $M_{r\theta}$6.85±.11; $M_{\theta\phi}$-2.10±.03; $M_{\phi r}$3.77±.12; Best double couple: NP1:ϕ_s231.00000°,δ14.00000°,λ80.00000°. NP2:ϕ_s61.00000°,δ76.00000°,λ92.00000°. Principal axes: T 8.6700,Plg59.0000°,Azm334.0000°; N 0.2900,Plg2.0000°,Azm240.0000° ; P -8.9500,Plg31.0000°,Azm149.0000° $M_0$8.80000×10^{17}
SZGRF Kodiak Island, Alaska, United States, region.
ISC V 16 18 22 33.6–.38 56.48N–.05 152.48W–.05 20 5.6s,5.4b 279 1-166
IDC V 16 18 22 30.0–.35 56.51N 152.33W 0 5.1,5.1 ¶16684259
ISCJB V 16 18 22 32.1–.26 56.42N–.04 152.51W–.07 20 5.6s,5.2b
ISC Event type ke.
ISCJB Event type ke.
ISC V 16 18 37 41.3–.34 56.47N–.04 152.51W–.03 16–1 5.5s,5.4b 1015 1-160
IDC V 16 18 37 38.8–.37 56.49N 152.52W 0 5.1,5.1 ¶13065853
BJI V 16 18 37 39.6 56.61N 153.06W 11 5.9s,5.7b
ISCJB V 16 18 37 40.4–.12 56.48N–.02 152.49W–.03 20 5.4s,5.3b
NEIC V 16 18 37 40.4 56.25N 152.22W 21 5.4b,5.0L
MOS V 16 18 37 42.5–1.0 56.53N 152.46W 33 5.7b,5.4s
GCMT V 16 18 37 43.7–.20 56.17N 152.05W 14–0 5.3W,5.4s
SZGRF V 16 18 37 51.9 56.84N 153.47W 69 5.6b,5.4s
ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=8.4km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.0km az=30.3.
NEIC Event type se. After AEIC.
MOS Error ellipse: s-maj=7.7km s-min=3.3km az=88.6.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s26,c34; s99,c174; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s233.00000°,δ21.00000°,λ88.00000°. NP2:ϕ_s55.00000° ,δ69.00000°,λ91.00000°. Principal axes: T 1.1800,Plg66.0000°,Azm326.0000° ; N 0.0100,Plg1.0000°,Azm235.0000°; P -1.1900,Plg24.0000°,Azm144.0000° $M_0$1.20000×10^{17}
SZGRF Kodiak Island, Alaska, United States, region.
ISC V 16 18 45 00.0–.91 56.39N–.09 152.18W–.06 18 4.0b 56 1-73
IDC V 16 18 44 56.3–1.3 56.25N 152.39W 0 4.1,3.9 ¶13679073
ISCJB V 16 18 44 57.4–.62 56.33N–.05 152.08W–.07 18 3.9b,3.9
NEIC V 16 18 44 58.3 56.25N 152.22W 6 3.8b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=20.0km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=178.0.
NEIC Event type se. After AEIC.
ISC V 16 18 55 28.8–1.1 56.60N–.07 152.10W–.06 18 47 1-60
IDC V 16 18 55 25.8–2.4 56.42N 152.44W 0 3.9,3.9b ¶13679075
ISCJB V 16 18 55 26.6–.95 56.51N–.07 151.95W–.08 18 4.0b,3.9b
NEIC V 16 18 55 29.9 56.64N 152.14W 4 3.0L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=31.3km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.0km az=175.4.
NEIC Event type se. After AEIC.
ISC V 16 19 17 04.9–.51 56.45N–.06 152.37W–.05 20 4.1b 111 1-85
BJI V 16 19 17 00.0 56.30N 152.40W 10 5.1s,4.7 ¶12828728
IDC V 16 19 17 02.1–.88 56.41N 152.47W 0 4.1,4.1
ISCJB V 16 19 17 03.2–.42 56.44N–.04 152.22W–.07 20 4.8s,4.0b
NEIC V 16 19 17 03.8 56.24N 152.19W 20 4.1b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=12.5km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.8km az=38.0.
NEIC Event type se. After AEIC.
ISC V 16 19 20 03.4–.44 56.45N–.05 152.60W–.04 20 4.4b 199 1-152
IDC V 16 19 20 00.8–.69 56.44N 152.52W 0 4.3,4.2 ¶13439642
ISCJB V 16 19 20 01.2–.33 56.39N–.04 152.38W–.05 20 4.5s,4.3b
BJI V 16 19 20 01.1 56.43N 153.19W 9 5.4b,5.2s
NEIC V 16 19 20 01.2 56.26N 152.30W 3 4.5b,3.9L
MOS V 16 19 20 04.2–1.0 56.57N 152.61W 33 4.7b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=12.9km az=16.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=160.3.
NEIC Event type se. After AEIC.
MOS Error ellipse: s-maj=15.1km s-min=6.0km az=92.3.
ISC V 16 19 56 54.7–1.1 56.46N–.09 152.32W–.07 20 3.9b 38 1-67
IDC V 16 19 56 51.5–2.0 56.32N 152.47W 0 3.8,3.7 ¶13439643
ISCJB V 16 19 56 52.5–.86 56.38N–.06 152.09W–.09 20 3.7b,3.7
NEIC V 16 19 56 56.6 56.51N 152.35W 10 3.1L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=30.1km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=7.3km az=4.1.
NEIC Event type se. After AEIC.
ISC V 16 20 06 57.6–1.3 56.5N–.10 152.30W–.07 20 18 1-67
ISCJB V 16 20 06 57.7–1.0 56.50N–.07 152.0W–.10 20 3.4b ¶13679078
IDC V 16 20 06 57.1–2.4 56.51N 152.47W 0 3.4,3.4b
NEIC V 16 20 07 00.6 56.51N 152.35W 19 2.8L,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=10.0km az=146.2.
IDC Error ellipse: s-maj=40.7km s-min=31.1km az=138.0.
NEIC Event type se. After AEIC.
ISC V 16 20 45 01.6–1.3 56.6N–.10 152.14W–.06 18 3.3b 20 1-67
IDC V 16 20 44 59.7–1.9 56.44N 152.06W 0 3.6,3.4b ¶13679079
ISCJB V 16 20 45 00.1–.98 56.62N–.08 151.93W–.09 18 3.3b,3.4b
NEIC V 16 20 45 03.4 56.80N 152.25W 1 2.8L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=67.3km s-min=28.2km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.9km az=16.1.
NEIC Event type se. After AEIC.
ISC V 16 21 29 27.6–.48 56.53N–.05 152.30W–.03 20–2 4.6b,4.1s 382 1-85
ISCJB V 16 21 29 23.8–.97 56.61N–.03 152.33W–.04 2–6 4.5b,4.0s ¶13439645
BJI V 16 21 29 24.3 56.55N 152.67W 11 5.1b,4.8s
IDC V 16 21 29 25.4–.62 56.60N 152.43W 0 4.4,4.4
NEIC V 16 21 29 26.7 56.40N 152.17W 10 4.6b,4.0L
MOS V 16 21 29 28.8–.96 56.67N 152.38W 33 4.8b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.5km az=179.9.
IDC Error ellipse: s-maj=16.9km s-min=10.6km az=23.0.
NEIC Event type se. After AEIC.
MOS Error ellipse: s-maj=11.0km s-min=4.2km az=88.4.
ISC V 17 00 30 24.5–.42 56.38N–.05 152.33W–.03 21–3 4.4b,3.6s 241 1-85
ISCJB V 17 00 30 22.9–.87 56.50N–.03 152.31W–.04 18–6 4.4b,3.7s ¶12828740
IDC V 17 00 30 22.2–.77 56.51N 152.36W 0 4.3,4.2
BJI V 17 00 30 22.6 56.30N 152.40W 16 5.0b,4.7b
NEIC V 17 00 30 24.6 56.31N 152.40W 16 4.6b,4.0L
MOS V 17 00 30 25.7–.86 56.59N 152.26W 33 4.5b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.5km az=12.2.
IDC Error ellipse: s-maj=20.4km s-min=11.5km az=36.0.
NEIC Event type se. After AEIC.
MOS Error ellipse: s-maj=12.3km s-min=5.4km az=87.1.
ISC V 17 09 58 37.7–.54 56.37N–.06 152.33W–.04 21–4 4.3b,3.7s 159 1-85
BJI V 17 09 58 30.7 56.10N 151.90W 5 4.9b,4.8s ¶13184012
NEIC V 17 09 58 32.8 56.08N 151.94W 4 4.3b,3.8L
IDC V 17 09 58 35.0–.81 56.40N 152.41W 0 4.3,4.2
ISCJB V 17 09 58 36.3–1.1 56.46N–.04 152.22W–.05 20–7 4.2b,3.6s
MOS V 17 09 58 38.8–1.1 56.59N 152.41W 33 4.5b,3.6s
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=22.1km s-min=12.5km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=175.4.
MOS Error ellipse: s-maj=18.6km s-min=6.2km az=88.8.
ISC V 18 07 43 09.3–1.0 56.41N–.07 152.40W–.07 20 36 1-44
IDC V 18 07 43 07.3–4.2 56.32N 152.64W 0 3.8,3.5 ¶13679162
NEIC V 18 07 43 10.7 56.46N 152.08W 10 3.2L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=80.4km s-min=26.2km az=70.0.
NEIC Event type se. After AEIC.
ISC V 18 10 34 52.2–.52 57.73N–.05 153.18W–.04 42–5 3.7b 107 0-84
ISCJB V 18 10 34 50.8–.35 57.71N–.03 153.01W–.05 58–4 3.7b,2.9s ¶13679169
IDC V 18 10 34 51.8–.76 57.73N 153.35W 35–5 3.9L,3.8
NEIC V 18 10 34 53.1 57.71N 153.12W 36 3.7L,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=160.0.
IDC Error ellipse: s-maj=13.9km s-min=10.3km az=5.0.
NEIC Event type fe. Felt [II] at Kodiak. After AEIC.
ISC V 18 11 57 39.2–.61 56.59N–.07 152.09W–.05 18 4.1b,3.4s 115 1-85
NEIC V 18 11 57 36.4 56.36N 151.91W 10 4.1b,3.8L ¶13679176
IDC V 18 11 57 37.0–.91 56.68N 152.17W 0 4.2,4.1
ISCJB V 18 11 57 38.8–.40 56.75N–.03 151.95W–.06 18 4.0b,3.4s
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC V 19 00 17 30.7–1.9 56.95N–.07 152.17W–.05 16–10 4.0b 66 1-85
IDC V 19 00 17 26.2–1.1 56.62N 152.35W 0 4.0,3.9 ¶13679212
ISCJB V 19 00 17 31.1–.85 56.91N–.06 152.08W–.06 36–7 3.8b,3.9
NEIC V 19 00 17 34.4 57.14N 152.33W 13 3.2L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=17.9km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.6km az=173.8.
NEIC Event type se. After AEIC.

(14) Kenai Peninsula.

ISC I 11 11 22 47.7–.86 60.66N–.03 151.68W–.03 87–7 85 1-55
ISCJB I 11 11 22 47.5–.30 60.67N–.02 151.66W–.05 94–4 3.9b ¶12081024
IDC I 11 11 22 48.6–1.9 60.53N 150.95W 95–32 3.5b,3.3
NEIC I 11 11 22 50.1 60.67N 151.69W 70 3.3L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=40.4.
IDC Error ellipse: s-maj=48.4km s-min=22.3km az=124.0.
NEIC Event type se. After AEIC.
ISC I 31 07 27 17.3–.99 60.63N–.03 151.01W–.03 52–10 65 0-55
ISCJB I 31 07 27 15.9–.36 60.63N–.03 150.99W–.06 67–6 3.6b ¶12082797
NEIC I 31 07 27 17.1 60.61N 150.99W 55 3.2L
IDC I 31 07 27 21.2–8.8 60.95N 151.10W 75–84 3.2b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.0km az=137.4.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=64.7km s-min=48.4km az=32.0.
ISC III 11 22 43 08.6–.87 60.37N–.03 151.99W–.04 86–7 76 0-57
ISCJB III 11 22 43 07.7–.32 60.36N–.03 151.93W–.06 95–4 3.6b ¶12703022
IDC III 11 22 43 08.2–2.2 60.30N 151.97W 78–37 3.4s,3.4
NEIC III 11 22 43 10.0 60.36N 151.96W 72 3.0,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=35.6.
IDC Error ellipse: s-maj=46.9km s-min=17.3km az=114.0.
NEIC Event type se. After AEIC.
ISC IV 30 04 54 57.4–.36 59.05N–.03 151.47W–.03 43–2 5.1b,4.2s 1302 1-151
MOS IV 30 04 54 51.6–.84 59.16N 151.69W 10 5.3b,4.2s ¶13439214
BJI IV 30 04 54 55.2 59.25N 152.02W 32 5.1b,5.0b
ISCJB IV 30 04 54 57.0–.21 59.16N–.01 151.54W–.02 49–2 5.1b,4.2s
IDC IV 30 04 54 57.1–.54 59.18N 151.64W 35–4 4.9,4.8
NEIC IV 30 04 54 58.4–.15 59.12N 151.52W 47–1 5.1b,4.9W
GCMT IV 30 04 55 00.9–.30 59.18N 151.47W 40–1 5.0W,4.9W
SZGRF IV 30 04 55 05.2 60.19N 151.09W 33 5.1b,3.8s
ISC Event type fe.
MOS Error ellipse: s-maj=7.8km s-min=3.7km az=91.2.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=31.0.
IDC Error ellipse: s-maj=11.0km s-min=8.9km az=13.0.
NEIC Event type fe. Error ellipse: s-maj=2.0km s-min=1.7km az=175.0. Felt [IV] at Anchor Point; [III] at Homer and Seward; [II] at Soldotna. Also felt at Ninilchik and Sterling. Moment Tensor Solution. $M_0$2.80000×10^{16}

GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s46,c54; s63,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.71±.15 $M_{\theta\theta}$0.11±.12; $M_{\phi\phi}$2.60±.10; $M_{r\theta}$0.38±.10; $M_{\theta\phi}$0.51±.08; $M_{\phi r}$2.36±.10; Best double couple: NP1:ϕ_s13.00000°,δ24.00000°,λ-88.00000°. NP2:ϕ_s190.00000°,δ66.00000°,λ-91.00000°. Principal axes: T 3.6100,Plg21.0000° ,Azm281.0000°; N 0.0100,Plg1.0000°,Azm190.0000°; P -3.6200,Plg69.0000°,Azm98.0000° $M_0$3.60000×10^{16}
SZGRF Kenai Peninsula, Alaska, United States.
ISC V 19 05 41 19.1–.67 60.79N–.03 151.67W–.03 79–5 3.7b 109 0-69
ISCJB V 19 05 41 17.6–.23 60.82N–.02 151.63W–.05 86–3 3.7b **¶12838183**
IDC V 19 05 41 17.6–1.3 60.81N 151.96W 66–13 3.8,3.6b
NEIC V 19 05 41 19.9 60.81N 151.65W 72 3.6,3.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.3km az=34.1.
IDC Error ellipse: s-maj=15.9km s-min=9.2km az=102.0.
NEIC Event type fe. Felt at Eagle River. After AEIC.
ISC V 31 02 54 24.9–.81 60.79N–.03 150.85W–.03 60–7 3.6b 91 0-55
ISCJB V 31 02 54 23.2–.23 60.80N–.02 150.81W–.05 70–4 3.5b **¶13680013**
IDC V 31 02 54 23.7–1.2 60.79N 150.95W 49–14 3.6,3.5L
NEIC V 31 02 54 25.0 60.81N 150.90W 52 3.5L,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=137.2.
IDC Error ellipse: s-maj=19.7km s-min=9.2km az=111.0.
NEIC Event type se. After AEIC.
ISC VI 28 18 11 59.4–.78 60.68N–.03 151.89W–.04 90–6 3.3b 92 0-55
ISCJB VI 28 18 11 58.0–.28 60.67N–.02 151.88W–.06 96–4 3.4b **¶13682209**
IDC VI 28 18 11 58.4–1.8 60.64N 152.13W 75–20 3.6,3.3
NEIC VI 28 18 12 00.4 60.67N 151.92W 80 3.2,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.5km az=29.6.
IDC Error ellipse: s-maj=24.0km s-min=13.8km az=102.0.
NEIC Event type se. After AEIC.

(15) Gulf of Alaska.

ISC II 17 08 55 42.4–.97 57.21N–.05 142.68W–.05 10 55 3-8
PGC II 17 08 55 49.0–8.8 57.26N 142.26W 10 3.1L **¶11678715**
NEIC II 17 08 55 50.3 57.30N 142.78W 14 3.0L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. 278km southwest of Yakutat, Ak Gulf Of Alaska.
NEIC Event type se. After AEIC.

(16) South of Aleutian Islands.

IDC III 20 17 48 55.0–8.0 49.09N 176.69E 0 3.8,3.6 ¶12703840
IDC Error ellipse: s-maj=205.1km s-min=29.7km az=172.0.
KRSC III 24 17 23 19.3–1.7 52.90N 168.30E 21–20 3.9L ¶14524173
KRSC Event type se.
ISC III 28 00 49 16.6–.68 52.19N–.08 165.92W–.05 35 3.7b 61 2-114
IDC III 28 00 49 11.1–.84 52.08N 165.95W 0 4.1s,4.1 **¶12062699**
ISCJB III 28 00 49 14.5–.56 52.16N–.04 165.87W–.07 33 4.2s,3.6b
NEIC III 28 00 49 14.3 52.27N 165.92W 10 3.3L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=18.6km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.4km az=38.4.
NEIC Event type se. After AEIC.
ISC IV 26 00 38 25.3–.48 52.34N–.05 165.40W–.03 17–2 4.9b,4.7s 860 2-152
IDC IV 26 00 38 22.4–.58 52.26N 165.40W 0 4.7,4.7 **¶12697292**
BJI IV 26 00 38 23.8 52.74N 165.82W 5 5.2b,5.0s
ISCJB IV 26 00 38 23.2–.91 52.37N–.02 165.37W–.02 12–5 4.8b,4.7s
MOS IV 26 00 38 26.1–.89 52.28N 165.45W 33 5.1b,4.8s
NEIC IV 26 00 38 28.2–.17 52.46N 165.40W 35 4.9b,4.3L
SZGRF IV 26 00 38 30.8 52.47N 165.44W 33 4.9b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=11.1km az=175.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.2km az=23.1.
MOS Error ellipse: s-maj=8.4km s-min=5.0km az=96.0.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.4km az=193.0.
SZGRF South of Aleutian Islands.
ISC V 08 10 27 34.6–2.9 52.67N–.06 165.03W–.04 7–17 4.2b 84 1-89
IDC V 08 10 27 34.2–1.1 52.81N 165.12W 0 4.2,4.0 **¶13678549**
ISCJB V 08 10 27 34.3–1.2 52.57N–.04 164.96W–.05 15–8 4.0b,3.0s
NEIC V 08 10 27 36.9 52.59N 164.99W 20 4.0b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=14.7km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.8km az=166.0.
NEIC Event type se. After AEIC.
ISC VI 01 19 54 39.1–.94 52.4N–.10 169.98E–.06 35 3.4b 43 2-78
IDC VI 01 19 54 34.3–1.3 52.14N 170.20E 0 3.9,3.7L **¶13680130**
MOS VI 01 19 54 35.2–.91 52.30N 170.13E 21 4.3b,3.7L
ISCJB VI 01 19 54 37.2–.60 52.43N–.09 170.10E–.06 33 3.5b,3.3s
KRSC VI 01 19 54 38.4–3.3 52.39N 169.50E 10–10 4.2L,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=47.3km s-min=16.3km az=164.0.
MOS Error ellipse: s-maj=19.6km s-min=13.4km az=16.5.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=5.6km az=2.2.
KRSC Event type se.
ISC VI 05 01 27 36.1–.60 51.92N–.06 166.17W–.04 18–2 4.2b 189 2-152
BJI VI 05 01 27 32.4 52.79N 165.61W 10 5.0b,4.7b **¶12925407**
ISCJB VI 05 01 27 33.6–1.0 51.91N–.03 166.19W–.04 10–6 4.2b,4.1s
IDC VI 05 01 27 33.1–.63 51.83N 166.19W 0 4.2,4.1
MOS VI 05 01 27 36.8–.86 51.92N 166.20W 33 4.4b,4.1
NEIC VI 05 01 27 36.3 51.89N 166.16W 14 4.2b,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.2km az=168.8.
IDC Error ellipse: s-maj=20.4km s-min=12.8km az=176.0.
MOS Error ellipse: s-maj=13.2km s-min=8.2km az=94.4.
NEIC Event type se. After AEIC.
KRSC VI 20 05 35 14.5–1.6 52.69N 169.60E 15–15 3.7L ¶14775936
KRSC Event type se.

(17) South of Alaska.

ISC I 07 21 13 24.1–1.0 54.79N–.08 154.01W–.06 35 3.4b 79 2-68
ISCJB I 07 21 13 21.6–.60 54.77N–.05 153.89W–.05 33 3.3b **¶12080679**
NEIC I 07 21 13 21.1–.44 54.75N 153.98W 10 3.7L,3.6b
IDC I 07 21 13 22.2–1.6 54.46N 153.34W 0 4.8L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=174.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=2.7km az=175.0.
IDC Error ellipse: s-maj=29.4km s-min=26.9km az=170.0.
ISC I 08 22 21 46.7–.91 52.54N–.08 164.83W–.05 35 3.7b 41 2-66
NEIC I 08 22 21 44.0 52.39N 164.82W 17 3.5L **¶12080786**
IDC I 08 22 21 43.9–1.3 52.67N 164.46W 0 4.0,3.7b
ISCJB I 08 22 21 44.7–.68 52.50N–.05 164.74W–.06 33 3.7b,3.7b
ISC Event type ke.
NEIC Event type se. After AEIC.
ISCJB Event type ke.
ISC II 23 04 51 11.7–3.8 55.1N–.10 156.46W–.06 7–24 3.9b 29 2-64
NEIC II 23 04 51 14.8 55.01N 156.51W 61 3.4L **¶12701609**
IDC II 23 04 51 14.2–4.8 55.49N 156.84W 0 4.0b,3.9
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=110.5km s-min=28.6km az=161.0.
IDC II 25 18 02 49.8–1.6 54.69N 157.36W 0 3.9L,3.8 ¶15957264
IDC Error ellipse: s-maj=39.1km s-min=28.4km az=20.0.
NEIC III 19 07 25 48.5 53.72N 157.49W 40 3.6L,3.5b ¶14269721
NEIC Event type se. After AEIC.
NEIC III 19 14 43 37.8 54.91N 158.54W 26 3.6L ¶14269725
NEIC Event type se. After AEIC.
ISC IV 10 12 51 27.4–5.0 51.9N–.10 162.69W–.06 20–28 34 3-49
ISCJB IV 10 12 51 26.6–1.8 51.88N–.07 162.66W–.06 30–18 3.4b **¶12934963**
NEIC IV 10 12 51 29.7 51.97N 162.77W 18 3.6L,3.5b
IDC IV 10 12 51 29.4–6.4 51.91N 161.64W 0 3.8,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.3km az=3.0.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=127.1km s-min=34.9km az=95.0.
ISC V 07 19 13 57.6–.74 54.46N–.08 153.30W–.06 35 3.9b,2.9s 94 3-85
ISCJB V 07 19 13 55.0–.51 54.47N–.04 153.36W–.05 33 3.8b,3.0s **¶13678517**
NEIC V 07 19 13 56.8 54.51N 153.51W 10 3.9L,3.0s
IDC V 07 19 13 58.4–5.2 54.36N 153.23W 40–42 4.0L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.8km az=153.5.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=39.6km s-min=20.5km az=177.0.
ISC VI 15 11 19 02.1–.00 53.32N–.08 160.28W–.06 10 3.4b 26 2-47
ISCJB VI 15 11 19 00.4–.65 53.30N–.05 160.25W–.07 10 3.4b **¶13681415**
IDC VI 15 11 19 01.2–1.5 53.29N 160.18W 0 3.7,3.5
NEIC VI 15 11 19 03.0 53.30N 160.34W 26 3.2L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.9km az=12.5.
IDC Error ellipse: s-maj=30.5km s-min=23.3km az=178.0.
NEIC Event type se. After AEIC.

SEISMIC REGION 2.
Eastern Alaska to Vancouver Island.

(18) Southern Yukon Territory.

ISC III 27 02 58 38.9–.45 61.03N–.03 138.42W–.03 10–2 5.1b,4.4s 1135 0-146
BJI III 27 02 58 34.3 61.00N 138.40W 5 5.2s,5.2b **¶13567810**
IDC III 27 02 58 37.4–.38 61.04N 138.54W 0 4.8,4.7
NEIC III 27 02 58 39.0 61.01N 138.41W 1 5.1b,5.1L
MOS III 27 02 58 38.7–.79 61.10N 138.64W 17 5.3b,4.4s
ISCJB III 27 02 58 38.0–.07 61.08N–.01 138.52W–.02 12 5.0b,4.5s
PGC III 27 02 58 39.0–3.7 61.01N 138.41W 1 5.0L,4.9W
GCMT III 27 02 58 43.3–.20 61.07N 138.55W 20–0 5.0W,4.9W
SZGRF III 27 02 58 49.9 62.03N 139.00W 33 5.3b,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=10.4km s-min=6.8km az=35.0.
NEIC Event type fe. Felt at Burwash Landing, Haines Junction, Marsh Lake and Whitehorse. After PGC. Moment Tensor Solution. $M_0$3.20000×10^{16} Moment Tensor Solution. $M_0$2.30000×10^{16}
MOS Error ellipse: s-maj=8.5km s-min=3.6km az=94.7.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.2km az=35.7.
PGC Event type fe. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 56km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada Felt (I-II) at Whitehorse and Haines Junction, Yt.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c65; s75,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}3.65±.17 $M_{\theta\theta}$-2.70±.11; $M_{\phi\phi}$-0.95±.12; $M_{r\theta}$-2.50±.20; $M_{\theta\phi}$1.65±.07; $M_{\phi r}$1.01±.22; Best double couple: NP1:ϕ_s126.00000°,δ27.00000°,λ100.00000°. NP2:ϕ_s296.00000°,δ63.00000°,λ85.00000°. Principal axes: T 4.5500,Plg71.0000° ,Azm195.0000°; N 0.0100,Plg4.0000°,Azm298.0000°; P -4.5600,Plg18.0000°,Azm29.0000° $M_0$4.60000×10^{16}
SZGRF Southern Yukon Territory, Canada.
ISC III 28 14 11 22.2–.62 61.02N–.03 138.49W–.03 9–3 4.3b,3.3s 286 1-151
IDC III 28 14 11 20.9–.61 61.05N 138.55W 0 4.2,4.0 **¶12062770**
NEIC III 28 14 11 21.7–.16 61.05N 138.48W 5 4.4b,4.1W
BJI III 28 14 11 22.4 61.08N 139.29W 12 5.2b,4.9s
PGC III 28 14 11 23.3–6.3 61.03N 138.22W 5 4.2L,4.1W
ISC Event type ke.
IDC Error ellipse: s-maj=14.4km s-min=8.3km az=33.0.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.3km az=196.0. Moment Tensor Solution. $M_0$1.70000×10^{15} Moment Tensor Solution. $M_0$1.80000×10^{15}
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. 48km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada.
ISC VI 10 00 22 16.2–1.2 61.51N–.03 140.80W–.02 7–11 55 1-6
PGC VI 10 00 22 15.7–4.9 61.50N 141.00W 1 2.8L **¶12976588**
NEIC VI 10 00 22 16.6 61.54N 140.71W 0 2.8L,2.7L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. 204km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada.
NEIC Event type se. After AEIC.

(19) Southeastern Alaska.

NEIC I 12 08 37 52.1 59.71N 139.50W 10 3.1L,2.8L
PGC I 12 08 37 51.7–17 59.67N 139.33W 5 3.1L,2.8L **¶11594559**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=1.1km az=-1.0. 43km Nne of Yakutat, Ak Southeastern Alaska.
ISC I 15 13 04 24.1–2.6 56.05N–.04 135.73W–.08 12–19 31 1-6
PGC I 15 13 04 26.7–2.6 56.03N 135.43W 10 3.4L **¶12081333**
NEIC I 15 13 04 27.2 56.12N 135.61W 20 3.4L,3.2L
ISC Event type ke.
PGC Event type ke. 113km south of Sitka, Ak Southeastern Alaska.
NEIC Event type se. After AEIC.
NEIC I 20 09 21 47.5 59.98N 138.01W 3 3.3L,3.1L
PGC I 20 09 21 48.3–4.9 59.97N 137.93W 1 3.3L,3.1L **¶11613340**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=-1.0. 89km Ssw of Haines Jct., Yt Southeastern Alaska.
PGC II 07 05 32 24.0–4.9 60.32N 139.41W 1 3.1L
NEIC II 07 05 32 24.0 60.32N 139.41W 1 3.1L,3.1L **¶11667392**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=-1.0. 113km Wsw of Haines Jct., Yt Southeastern Alaska.
NEIC Event type se. After PGC.
NEIC II 25 22 46 42.6 58.35N 137.32W 3 2.5L
PGC II 25 22 46 43.8–4.1 58.39N 137.06W 5 2.7L **¶11730361**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 132km Wsw of Haines, Ak Southeastern Alaska.
NEIC III 14 01 11 53.0 58.94N 136.38W 7 3.5L,3.2L
PGC III 14 01 11 54.9–2.8 58.98N 136.47W 5 3.5L,3.2L **¶11882875**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 72km west of Haines, Ak Southeastern Alaska.
NEIC III 31 18 17 43.7 60.28N 140.63W 7 2.8L
PGC III 31 18 17 44.1–5.1 60.21N 140.62W 1 3.0L **¶12084388**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=-1.0. 120km northwest of Yakutat, Ak Southeastern Alaska.
ISC IV 06 20 24 34.0–.96 60.24N–.05 140.46W–.03 13–9 38 0-7
ISCJB IV 06 20 24 32.1–.63 60.29N–.04 140.34W–.05 8–5 **¶13438081**
NEIC IV 06 20 24 33.5 60.27N 140.44W 6 2.8L
PGC IV 06 20 24 34.0–6.0 60.23N 140.41W 1 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=5.1.
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. 116km northwest of Yakutat, Ak Southeastern Alaska.
ISC IV 16 05 06 04.5–.35 58.74N–.03 137.66W–.03 17–1 4.7b,4.0s 683 1-156
BJI IV 16 05 05 58.8 58.70N 137.60W 10 5.0b,5.0b **¶12597513**
ISCJB IV 16 05 06 00.9–.65 58.84N–.02 137.70W–.03 2–4 4.6b,4.2s
IDC IV 16 05 06 02.2–.40 58.83N 137.72W 0 4.5,4.5
NEIC IV 16 05 06 04.3–.97 58.85N 137.68W 12–6 4.8L,4.7b
PGC IV 16 05 06 05.9–1.7 58.87N 137.37W 5 4.9L,4.5W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=1.7km az=39.2.
IDC Error ellipse: s-maj=10.5km s-min=6.1km az=39.0.

NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=1.9km az=221.0. Felt [II] at Gustavus, Haines, Juneau and Skagway. Also felt at Auke Bay and Elfin Cove. Felt at Whitehorse, Yukon Territory, Canada. Moment Tensor Solution. $M_0$6.40000×10^{15} Moment Tensor Solution. $M_0$8.00000×10^{15}
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 125km west of Haines, Ak Southeastern Alaska.
NEIC IV 16 05 10 12.7 58.79N 137.61W 6 3.5L
¶14413606
NEIC Event type se. After AEIC.
ISC IV 18 07 50 19.4–1.2 59.76N–.05 137.99W–.02 1–11 51 1-14
NEIC IV 18 07 50 20.6 59.68N 137.95W 1 3.5L,3.1L **¶12609824**
PGC IV 18 07 50 20.6–.46 59.68N 137.95W 1 3.5L,3.1L
ISC Event type ke.
NEIC Event type se. After PGC.
PGC Event type ke. 97km Ene of Yakutat, Ak Southeastern Alaska.
ISC V 21 18 30 00.0–.94 60.18N–.05 140.52W–.03 14 30 0-7
PGC V 21 18 29 59.7–6.9 59.97N 140.36W 5 2.6L **¶13439743**
NEIC V 21 18 30 00.8 60.26N 140.50W 1 2.6L,2.6L
ISCJB V 21 18 30 01.4–.51 60.27N–.04 140.41W–.07 14 2.6L,2.6L
ISC Event type ke.
PGC Event type ke. 90km northwest of Yakutat, Ak Southeastern Alaska.
NEIC Event type se. After AEIC.
ISCJB Event type ke.
ISC V 25 19 55 37.0–.76 58.85N–.03 134.69W–.04 10 35 0-7
ISCJB V 25 19 55 37.0–.39 58.91N–.03 134.57W–.06 10 **¶12871329**
NEIC V 25 19 55 38.1 58.89N 134.80W 6 3.9L,3.6L
PGC V 25 19 55 38.9–.02 58.90N 134.74W 1 3.9L,3.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.2km az=152.0.
NEIC Event type fe. Felt [III] at Skagway and [II] at Juneau. Also felt at Haines. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 36km Ese of Haines, Ak Southeastern Alaska.
NEIC V 29 03 04 22.8 58.14N 138.74W 10 2.8L
PGC V 29 03 04 23.6–4.2 58.25N 138.38W 5 3.3L **¶12868615**
NEIC Event type se. After AEIC.
PGC Event type ke. 132km southeast of Yakutat, Ak Southeastern Alaska.
ISC VI 07 23 24 35.2–.54 58.78N–.03 136.79W–.03 12–3 5.1b,4.3s 928 1-158
IDC VI 07 23 24 33.9–.38 58.95N 136.88W 0 4.9,4.9 **¶12948624**
ISCJB VI 07 23 24 34.7–.60 58.91N–.02 136.76W–.03 15–3 5.0b,4.4s
MOS VI 07 23 24 34.7–.93 58.92N 136.83W 17 5.3b,4.4s
NEIC VI 07 23 24 35.2 58.77N 136.66W 4 5.1b,5.1L
PGC VI 07 23 24 36.9–2.8 58.81N 136.56W 15 5.3L,4.9W
BJI VI 07 23 24 39.4 59.51N 137.18W 32 5.3b,5.1s
GCMT VI 07 23 24 40.2–.20 58.81N 136.81W 21–0 5.0W,5.1s
SZGRF VI 07 23 24 41.0 59.49N 137.36W 16 5.3b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=10.2km s-min=6.8km az=20.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=1.8km az=37.4.
MOS Error ellipse: s-maj=8.3km s-min=3.3km az=96.1.
NEIC Event type fe. Felt [III] at Douglas, Gustavus and Haines; [II] at Juneau and Skagway. Also felt at Elfin Cove, Hoonah and Yakutat. Felt [II] at Whitehorse, Yukon Territory, Canada. Also felt at Haines Junction. After AEIC. Moment Tensor Solution. $M_0$1.70000×10^{16} Moment Tensor Solution. $M_0$2.80000×10^{16}
PGC Event type fe. Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0. 83km Wsw of Haines, Ak Southeastern Alaska Felt (I) at Whitehorse.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c71; s76,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}3.39±.14 $M_{\theta\theta}$0.63±.10; $M_{\phi\phi}$-4.01±.11; $M_{r\theta}$1.10±.22; $M_{\theta\phi}$0.24±.08; $M_{\phi r}$1.05±.17; Best double couple: NP1:ϕ_s158.00000°,δ41.00000°,λ60.00000°. NP2:ϕ_s15.00000°,δ55.00000°,λ113.00000°. Principal axes: T 3.9200,Plg70.0000° ,Azm337.0000°; N 0.2500,Plg19.0000°,Azm182.0000°; P -4.1600,Plg8.0000°,Azm89.0000° $M_0$4.00000×10^{16}
SZGRF Southeastern Alaska, United States.

(20) Off coast of southeastern Alaska.

NEIC I 31 23 58 34.2 57.03N 139.61W 12 2.8L
PGC I 31 23 58 32.0–8.4 57.06N 139.52W 10 3.6L **¶11660422**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. 248km south of Yakutat, Ak Off Coast Of Southeastern Alaska.
ISC II 06 05 06 28.4–2.4 58.33N–.05 139.61W–.05 3–17 32 1-38
PGC II 06 05 06 29.7–6.4 58.37N 139.76W 1 3.2L **¶11667357**
IDC II 06 05 06 30.7–1.3 58.42N 139.54W 0 3.4,3.2
NEIC II 06 05 06 33.0 58.45N 139.48W 10 3.0L,3.2
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=-1.0. 103km Ssw of Yakutat, Ak Off Coast Of Southeastern Alaska.
IDC Error ellipse: s-maj=24.2km s-min=12.6km az=18.0.
NEIC Event type se. After AEIC.

(22) Queen Charlotte Islands region.

ISC I 17 08 21 07.9–1.6 52.32N–.05 132.17W–.06 5–10 4.1b 69 0-88
PGC I 17 08 21 07.0–.60 52.26N 132.51W 20 4.0L **¶12081522**
NEIC I 17 08 21 07.0 52.26N 132.51W 20 4.0b,4.0L
IDC I 17 08 21 12.6–1.0 52.20N 131.49W 0 4.2,4.0
ISC Event type fe.
PGC Event type fe. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 119km southwest of Sandspit, Bc Queen Charlotte Islands Region Felt (I-II) at Queen Charlotte City and Skidegate, British Columbia.
NEIC Event type fe. Felt [II] at Queen Charlotte City and Skidegate. After PGC.
IDC Error ellipse: s-maj=22.8km s-min=11.8km az=25.0.
PGC III 30 18 38 36.1–1.4 51.28N 131.36W 10 3.5W,2.9L
¶12084576
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 221km Sse of Sandspit, Bc Queen Charlotte Islands Region.
PGC IV 10 17 14 16.0–6.8 51.39N 131.03W 10 4.0W,3.4L
¶12583374
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 214km Sse of Sandspit, Bc Queen Charlotte Islands Region.

(23) British Columbia.

PGC VI 14 21 28 17.6–.01 56.53N 122.05W 1 3.5L
¶13196852
PGC Event type fe. 79km Wnw of Fort St. John, Bc British Columbia Felt (I) at Upper Halfway.

(24) Alberta.

ISC I 04 18 55 05.3–.74 53.28N–.08 116.90W–.09 10 3.3b 65 5-79
ISCJB I 04 18 55 02.8–.49 53.26N–.05 116.8W–.10 10 3.4b **¶12080263**
IDC I 04 18 55 03.8–.97 53.45N 116.18W 0 3.8,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.4km az=147.8.
IDC Error ellipse: s-maj=28.9km s-min=14.1km az=61.0.
IDC I 07 21 27 20.4–.90 53.24N 116.99W 0 3.8,3.6
¶12080680
IDC Error ellipse: s-maj=12.7km s-min=10.7km az=91.0.
IDC III 30 15 20 34.5–.96 52.12N 116.11W 0 3.5,3.3L
¶12084368
IDC Error ellipse: s-maj=30.3km s-min=8.3km az=94.0.
ISC IV 05 19 37 55.7–1.5 50.21N–.07 114.88W–.06 5 31 1-22
ISCJB IV 05 19 37 54.0–.67 50.28N–.04 114.83W–.08 5 2.7b **¶12934545**
IDC IV 05 19 37 54.5–1.0 50.17N 115.15W 0 3.5L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.8km az=177.4.
IDC Error ellipse: s-maj=18.9km s-min=7.1km az=111.0.
ISC IV 25 21 40 25.4–.81 53.31N–.05 116.92W–.09 10 3.5b 41 5-62
ISCJB IV 25 21 40 23.0–.57 53.31N–.05 116.8W–.10 10 3.5b **¶12936124**
IDC IV 25 21 40 24.7–.78 53.19N 117.01W 0 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=5.6km az=158.3.
IDC Error ellipse: s-maj=24.7km s-min=7.1km az=92.0.

(25) Vancouver Island region.

PGC I 05 00 35 26.9–3.6 49.02N 128.51W 10 3.5W,2.9L
¶11528509
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. 189km Wsw of Gold R., Bc Vancouver Island Region.
PGC I 05 05 48 23.8–.53 50.56N 130.36W 10 3.6W,2.9L
¶11528524
PGC Event type ke. 208km west of Pt. Hardy, Bc Vancouver Island Region.
PGC I 05 10 01 40.8–2.0 48.97N 128.65W 10 3.6W,3.0L
¶11528532
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 200km west of Tofino, Bc Vancouver Island Region.
PGC I 09 21 44 44.0–.13 48.91N 128.90W 10 3.5W,2.9L
¶11534543
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. 219km west of Tofino, Bc Vancouver Island Region.
PGC I 09 22 03 02.4–.05 48.92N 128.96W 10 3.6W,2.9L
¶11534544
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. 223km west of Tofino, Bc Vancouver Island Region.
PGC I 10 01 17 02.0–5.4 48.95N 128.93W 10 3.5W,2.9L
¶11594472
PGC Event type ke. 221km Wsw of Gold R., Bc Vancouver Island Region.
ISC I 13 18 19 48.4–2.4 49.03N–.05 128.90W–.07 14–15 4.3b,3.7s 129 1-81
IDC I 13 18 19 45.4–1.4 48.94N 129.30W 0 4.0,3.8b **¶11615747**
ISCJB I 13 18 19 46.2–1.0 49.01N–.02 128.91W–.05 6–8 4.2b,3.7s
PGC I 13 18 19 46.8–2.3 48.85N 129.15W 10 4.6W,3.6L
NEIC I 13 18 19 48.9–3.1 49.06N 128.92W 14–22 4.6W,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=11.7km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=156.5.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 238km west of Tofino, Bc Vancouver Island Region.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.6km az=63.0. Moment Tensor Solution. $M_0$1.00000×10^{16}
ISC I 16 08 12 35.5–3.2 50.71N–.06 129.81W–.10 6–19 25 1-79
ISCJB I 16 08 12 33.0–2.0 50.71N–.07 130.0W–.10 6–16 3.3b **¶11596034**
IDC I 16 08 12 35.1–1.6 50.68N 129.78W 0 3.5,3.4b
PGC I 16 08 12 35.2–2.2 50.62N 130.09W 10 3.5W,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=7.5km az=140.2.
IDC Error ellipse: s-maj=24.0km s-min=14.7km az=81.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 188km west of Pt. Hardy, Bc Vancouver Island Region.
ISC I 24 06 13 41.9–2.5 49.14N–.05 128.93W–.06 14–15 94 1-25
PGC I 24 06 13 37.6–.91 48.93N 129.39W 10 3.5W,2.9L **¶11617516**
NEIC I 24 06 13 37.6 48.93N 129.39W 10 3.9b,3.5W
ISCJB I 24 06 13 39.5–1.1 49.08N–.04 129.01W–.09 11–11 3.9b,3.5W
IDC I 24 06 13 40.4–2.2 49.15N 129.15W 0 3.8b,3.6
ISC Event type ke.
PGC Event type ke. 242km southwest of Pt. Hardy, Bc Vancouver Island Region.
NEIC Event type se. After PGC.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=4.8km az=157.3.
IDC Error ellipse: s-maj=40.2km s-min=12.9km az=73.0.
ISC I 31 23 04 05.6–1.7 48.5N–.10 128.6W–.10 10 24 2-27
PGC I 31 23 04 02.3–29 48.27N 129.00W 10 3.6W,3.0L **¶11660419**
IDC I 31 23 04 03.1–2.4 48.46N 129.19W 0 3.8,3.6
ISCJB I 31 23 04 05.4–1.1 48.58N–.06 128.5W–.10 10 3.4b,3.6
ISC Event type ke.
PGC Event type ke. 246km Wsw of Tofino, Bc Vancouver Island Region.
ISCJB Event type ke.
ISC II 16 01 10 31.2–2.5 49.27N–.05 129.07W–.07 7–14 3.6b 67 1-79
PGC II 16 01 10 26.8–2.3 48.90N 129.50W 10 3.8W,3.2L **¶11678025**
IDC II 16 01 10 29.3–1.3 49.10N 129.51W 0 3.9,3.8
NEIC II 16 01 10 32.2–.76 49.30N 129.00W 10 4.2b,3.8
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 250km southwest of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=26.1km s-min=11.6km az=69.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=5.8km az=63.0.
PGC III 11 16 00 54.7–.94 50.59N 130.46W 10 3.5W,2.9L
¶11813796
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 214km west of Pt. Hardy, Bc Vancouver Island Region.
PGC IV 05 16 02 28.9–1.8 50.42N 130.11W 10 3.5W,2.9L
¶13437997
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 192km west of Pt. Hardy, Bc Vancouver Island Region.
ISC IV 06 08 44 45.6–1.6 50.43N–.10 130.11W–.08 10 21 1-17
ISCJB IV 06 08 44 46.3–.97 50.55N–.07 130.00W–.09 10 **¶12934661**
PGC IV 06 08 44 47.9–3.6 50.43N 130.13W 10 3.5W,2.9L
IDC IV 06 08 44 50.9–4.9 50.29N 129.44W 0 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=4.3km az=38.3.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 193km west of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=73.7km s-min=28.0km az=59.0.
ISC V 03 02 50 16.8–.92 50.64N–.06 130.27W–.07 14 3.6b,3.5s 219 1-79
PGC V 03 02 50 14.6–2.5 50.45N 130.38W 10 4.2W,3.6L **¶12754062**
ISCJB V 03 02 50 16.4–.32 50.71N–.03 130.10W–.05 14 3.6s,3.5b
IDC V 03 02 50 20.6–2.5 50.62N 130.00W 29–15 4.0,3.8L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 211km west of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=148.6.
IDC Error ellipse: s-maj=19.5km s-min=9.4km az=76.0.
PGC V 28 21 33 11.6–.54 50.53N 130.41W 10 3.7W,3.1L
¶12871344
PGC Event type ke. 212km west of Pt. Hardy, Bc Vancouver Island Region.
ISC VI 06 11 00 17.8–.93 48.43N–.03 123.50W–.02 16–5 63 0-3
ISCJB VI 06 11 00 17.3–.59 48.40N–.03 123.49W–.04 12–3 **¶12948695**
PNSN VI 06 11 00 18.3 48.41N 123.47W 13 2.6
PGC VI 06 11 00 18.2–.01 48.40N 123.50W 2–0 2.2L
NEIC VI 06 11 00 18.2 48.40N 123.50W 2 2.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=171.2.
PNSN Moment Tensor Solution. NP1:ϕ_s160.00000°,δ60.00000° NP2:ϕ_s47.00000°,δ56.00000° Principal axes: T Plg48.0000°,Azm15.0000°; P Plg2.0000°,Azm283.0000° Moment Tensor Solution. NP1:ϕ_s235.00000°,δ65.00000° NP2:ϕ_s339.00000°,δ63.00000° Principal axes: T Plg38.0000°,Azm196.0000°; P Plg1.0000°,Azm287.0000°
PGC Event type fe. 10km Wsw of Victoria, Bc Vancouver Island Region Felt (II) around greater Victoria.
NEIC Event type fe. Felt [II] at Victoria. Felt from Sooke to Oak Bay. After PGC.
ISC VI 25 08 24 20.8–.92 48.62N–.02 123.07W–.02 18–2 70 0-4
ISCJB VI 25 08 24 21.1–.26 48.63N–.02 123.07W–.02 15–5 **¶13279119**
PNSN VI 25 08 24 22.0 48.62N 123.07W 13 2.8
PGC VI 25 08 24 21.8–.22 48.61N 123.07W 18–0 2.6L
NEIC VI 25 08 24 22.0 48.62N 123.07W 13 2.8,2.6L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=30.0.
PNSN Moment Tensor Solution. NP1:ϕ_s220.00000°,δ85.00000° NP2:ϕ_s130.00000°,δ90.00000° Principal axes: T Plg4.0000°,Azm175.0000°; P Plg4.0000°,Azm85.0000°
PGC Event type fe. 25km east of Sidney, Bc Vancouver Island Region Felt (I) at Victoria.
NEIC Event type se. After SEA.

(26) Off coast of Washington.

PGC IV 02 02 58 16.5–21 47.35N 128.95W 10 3.8W,3.1L
¶12085147
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=-1.0. 301km Wsw of Tofino, Bc Off Coast Of Washington.
PGC V 06 12 35 07.9–4.2 47.43N 129.07W 10 3.5W,2.9L
¶12756972

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 301km Wsw of Tofino, Bc Off Coast Of Washington.
PGC V 06 15 43 25.6–.16 47.39N 129.11W 10 3.5W,2.9L ¶12784406
PGC Event type ke. 307km Wsw of Tofino, Bc Off Coast Of Washington.
PGC V 17 16 27 50.8–18 47.43N 128.86W 10 3.5W ¶13439661
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=1.5km az=-1.0. 290km Wsw of Tofino, Bc Off Coast Of Washington.

(27) Near coast of Washington.

ISC I 28 05 29 35.6–1.3 47.95N–.03 124.28W–.04 7–11 40 1-3
ISCJB I 28 05 29 34.9–.76 47.95N–.03 124.30W–.06 1–5 **¶11656154**
PGC I 28 05 29 34.9 47.85N 124.28W 0–0 2.3L
NEIC I 28 05 29 36.2 47.92N 124.25W 0 2.5
PNSN I 28 05 29 36.2 47.92N 124.25W 0 2.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=3.8km az=152.3.
PGC Event type ke. 93km Wsw of Victoria, Bc Near Coast Of Washington.
NEIC Event type fe. Felt [II] at Forks, Port Angeles and Port Townsend. Also felt at Quilcene and Sequim. Felt at Victoria, British Columbia. After SEA.
PNSN Moment Tensor Solution. NP1:ϕ_s25.00000°,δ40.00000° NP2:ϕ_s242.00000°,δ56.00000° Principal axes: T Plg69.0000°,Azm203.0000°; P Plg9.0000°,Azm316.0000°

(28) Washington-Oregon border region.

ISC IV 20 21 41 51.8–.97 45.13N–.02 120.95W–.02 16–8 141 0-6
NEIC IV 20 21 41 52.4 45.13N 120.96W 16 3.6 **¶13936653**
ISCJB IV 20 21 41 52.0–.30 45.12N–.02 120.87W–.02 24–3 3.6
PNSN IV 20 21 41 52.4 45.13N 120.96W 16 3.6
ISC Event type ke.
NEIC Event type se. After SEA.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=164.2.
PNSN Moment Tensor Solution. NP1:ϕ_s80.00000°,δ90.00000° NP2:ϕ_s350.00000°,δ70.00000° Principal axes: T Plg14.0000°,Azm307.0000°; P Plg14.0000°,Azm213.0000°

(29) Washington.

ISC I 01 14 38 34.3–1.2 48.32N–.02 121.30W–.02 0–10 101 0-5
ISCJB I 01 14 38 34.6–.50 48.33N–.02 121.29W–.02 4–4 **¶12079760**
NEIC I 01 14 38 35.6 48.32N 121.28W 2 2.8
PGC I 01 14 38 35.7–.45 48.26N 121.30W 1 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=32.5.
NEIC Event type se. After SEA.
PGC Event type ke. 106km Ene of Seattle, Wa Washington.
ISC I 24 17 39 36.3–1.2 48.48N–.02 120.03W–.02 3–12 70 0-4
PNSN I 24 17 39 36.9 48.49N 119.96W 0 2.9 **¶11617208**
NEIC I 24 17 39 36.9 48.49N 119.96W 0 2.9
PGC I 24 17 39 37.1–.58 48.51N 120.03W 1 2.6L
ISC Event type ke.
PNSN Moment Tensor Solution. NP1:ϕ_s135.00000°,δ65.00000° NP2:ϕ_s239.00000°,δ63.00000° Principal axes: T Plg38.0000°,Azm96.0000°; P Plg1.0000°,Azm187.0000°
NEIC Event type se. After SEA.
PGC Event type ke. 112km Sse of Princeton, Bc Washington.
ISC I 30 13 25 03.4–.42 47.80N–.03 122.51W–.03 53–3 4.6b,3.4s 894 0-149
IDC I 30 13 24 57.7–.49 47.89N 122.30W 0 4.5,4.3 **¶13434081**
BJI I 30 13 25 01.0 47.80N 122.60W 40 5.2s,5.2b
ISCJB I 30 13 25 03.2–.11 47.87N–.01 122.43W–.02 60–1 4.5b,3.9s
NEIC I 30 13 25 03.0 47.77N 122.56W 58 4.6b,4.6W
PNSN I 30 13 25 03.6 47.79N 122.57W 63 4.5,4.6W
PGC I 30 13 25 03.4–.03 47.80N 122.67W 71–0 4.6W,4.4L
ISC Event type fe.
IDC Error ellipse: s-maj=16.5km s-min=8.0km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=136.0.
NEIC Event type fe. Felt [III] at Bremerton and [II] at Anacortes, Arlington, Auburn, Bainbridge Island, Belfair, Bellevue, Bellingham, Bonney Lake, Bothell, Buckley, Burlington, Camano Island, Carnation, Chimacum, Cle Elum, Clinton, Concrete, Coupeville, Darrington, Duvall, Eastsound, Eatonville, Edmonds, Enumclaw, Everett, Fall City, Federal Way, Fox Island, Freeland, Friday Harbor, Gig Harbor, Gold Bar, Granite Falls, Greenbank, Hansville, Index, Issaquah, Kenmore, Kent, Kingston, Kirkland, La Conner, Lacey, Lake Stevens, Lakebay, Lakewood, Langley, Leavenworth, Lynnwood, Maple Valley, Marysville, Mercer Island, Monroe, Mount Vernon, Mountlake Terrace, Mukilteo, Nordland, North Bend, Oak Harbor, Olalla, Olympia, Orting, Pacific, Port Angeles, Port Hadlock, Port Ludlow, Port Orchard, Port Townsend, Poulsbo, Puyallup, Quilcene, Redmond, Renton, Sammamish, Seabeck, Seattle, Sedro Woolley, Sequim, Silverdale, Snohomish, Snoqualmie, Spanaway, Stanwood, Sultan, Tacoma, University Place, Vashon and Woodinville. Felt in much of western Washington and as far east as Spokane. Also felt in the Portland area as far south as Salem, Oregon. Felt [II] at Abbotsford, Duncan, Nanaimo, Sooke, Vancouver, Victoria and White Rock, British Columbia. After SEA. Moment Tensor Solution. $M_0$6.80000×10^{15} Moment Tensor Solution. $M_0$1.00000×10^{16}
PNSN Moment Tensor Solution. NP1:ϕ_s220.00000°,δ85.00000° NP2:ϕ_s310.00000°,δ90.00000° Principal axes: T Plg4.0000°,Azm175.0000°; P Plg4.0000°,Azm85.0000°
PGC Event type fe. 34km Wnw of Seattle, Wa Washington Felt (II-III) in Greater Victoria and Vancouver area.
ISC III 24 21 40 36.4–3.6 47.90N–.04 121.77W–.04 13–27 22 1-3
ISCJB III 24 21 40 35.4–2.0 47.91N–.03 121.70W–.06 6–14 **¶12058100**
PGC III 24 21 40 36.6–.01 47.83N 121.68W 29–0 2.3L
PNSN III 24 21 40 37.2 47.92N 121.68W 14 2.5
NEIC III 24 21 40 37.2 47.92N 121.68W 14 2.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.5km az=153.3.
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0. 54km Ene of Seattle, Wa Washington.
PNSN Moment Tensor Solution. NP1:ϕ_s30.00000°,δ40.00000° NP2:ϕ_s235.00000°,δ53.00000° Principal axes: T Plg76.0000°,Azm197.0000°; P Plg7.0000°,Azm314.0000°
NEIC Event type fe. Felt [II] at Gold Bar, Index and Sultan. Also felt at Baring, Bothell, Monroe and Startup. After SEA.
ISC III 30 07 06 09.6–.86 47.62N–.03 123.48W–.03 36–1 3.2b 178 0-83
IDC III 30 07 06 06.0–.82 47.72N 123.40W 0 3.6,3.5 **¶12066229**
PNSN III 30 07 06 10.2 47.60N 123.48W 45 3.6,3.5
PGC III 30 07 06 10.3–.02 47.68N 123.60W 43–0 2.9L,3.5
NEIC III 30 07 06 10.2 47.60N 123.48W 45 3.6,3.5
ISC Event type fe.
IDC Error ellipse: s-maj=12.7km s-min=8.1km az=26.0.
PNSN Moment Tensor Solution. NP1:ϕ_s340.00000°,δ45.00000° NP2:ϕ_s187.00000°,δ48.00000° Principal axes: T Plg2.0000°,Azm264.0000°; P Plg76.0000°,Azm167.0000°
PGC Event type ke. 85km Ssw of Victoria, Bc Washington.
NEIC Event type fe. Felt [II] at Brinnon, Hoodsport, Olympia and Port Orchard. Also felt at Auburn, Belfair, Bremerton, Dupont, Grapeview, Hoquiam, Kent, Lacey, Lakebay, Lakewood, Lilliwaup, Longbranch, Mercer Island, Mukilteo, Poulsbo, Quinault, Seabeck, Seattle, Tacoma and Tahuya. After SEA.
ISC V 01 15 14 36.8–.94 47.66N–.03 122.14W–.04 13–7 43 0-6
PGC V 01 15 14 35.8–.43 47.51N 122.19W 21–0 2.1L **¶12747032**
ISCJB V 01 15 14 36.7–.46 47.60N–.04 122.23W–.05 13–3 2.1L
NEIC V 01 15 14 37.0 47.65N 122.14W 3 2.3
PNSN V 01 15 14 38.0 47.65N 122.14W 7 2.6
ISC Event type fe.
PGC Event type ke. 14km Ese of Seattle, Wa Washington.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=5.7km az=33.2.
NEIC Event type fe. Felt [II] at Bellevue, Kirkland and Redmond. Also felt at Arlington, Bremerton, Issaquah, Sammamish, Seattle and Woodinville. After SEA.
PNSN Moment Tensor Solution. NP1:ϕ_s65.00000°,δ45.00000° NP2:ϕ_s284.00000°,δ52.00000° Principal axes: T Plg69.0000°,Azm256.0000°; P Plg4.0000°,Azm356.0000° Moment Tensor Solution. NP1:ϕ_s300.00000°,δ75.00000° NP2:ϕ_s30.00000°,δ90.00000° Principal axes: T Plg11.0000°,Azm256.0000°; P Plg11.0000°,Azm164.0000° Moment Tensor Solution. NP1:ϕ_s110.00000°,δ60.00000° NP2:ϕ_s210.00000°,δ73.00000° Principal axes: T Plg34.0000°,Azm74.0000°; P Plg8.0000°,Azm338.0000°
ISC V 20 19 06 36.8–1.4 47.58N–.04 121.87W–.06 22–7 17 1-2
ISCJB V 20 19 06 37.1–1.2 47.54N–.05 122.02W–.10 20–11 **¶12847720**
NEIC V 20 19 06 38.0 47.60N 121.87W 21 2.5
PNSN V 20 19 06 38.3 47.60N 121.87W 21 2.5
PGC V 20 19 06 38.0 47.60N 121.87W 21 2.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=5.5km az=147.4.
NEIC Event type fe. Felt at Gold Bar, North Bend and Sultan. After SEA.
PNSN Moment Tensor Solution. NP1:ϕ_s25.00000°,δ70.00000° NP2:ϕ_s295.00000°,δ90.00000° Principal axes: T Plg14.0000°,Azm248.0000°; P Plg14.0000°,Azm342.0000°
PGC Event type ke. 34km east of Seattle, Wa Washington.

SEISMIC REGION 3.
California-Nevada Region.

(30) Off coast of Oregon.

ISC I 11 15 45 29.2–2.2 44.1N–.10 129.0W–.20 13 19 4-23
IDC I 11 15 45 25.3–3.9 43.83N 129.52W 0 3.6L,3.5 **¶12081040**
NEIC I 11 15 45 27.6–1.8 44.00N 129.05W 10 2.7L,3.5
ISCJB I 11 15 45 28.1–1.7 44.15N–.10 128.9W–.20 13 3.2b,3.5
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC I 15 11 09 46.7–2.3 44.2N–.10 130.2W–.20 10 3.5b 27 5-26
IDC I 15 11 09 40.3–1.4 43.57N 131.29W 0 3.5,3.4s **¶12081327**
NEIC I 15 11 09 49.0–1.5 44.38N 130.14W 10 3.6b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=6.8km az=59.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=8.7km az=70.0.
IDC II 08 20 28 26.8–3.3 42.48N 125.88W 0 3.2,3.1 ¶15955230
IDC Error ellipse: s-maj=75.8km s-min=18.4km az=47.0.
ISC II 21 13 01 06.0–1.1 44.10N–.08 128.76W–.10 13 3.8b,3.6s 37 4-76
ISCJB II 21 13 01 04.8–.85 44.16N–.06 128.68W–.09 13 3.6s,3.5b **¶12701426**
IDC II 21 13 01 04.1–1.7 44.12N 128.68W 0 3.7,3.6
NEIC II 21 13 01 05.9–1.1 44.14N 128.76W 10 3.9b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=7.1km az=148.5.
IDC Error ellipse: s-maj=39.2km s-min=15.0km az=44.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.4km az=58.0.
ISC II 22 06 01 53.9–1.1 44.27N–.08 128.80W–.10 10 4.2b,3.6s 61 4-76
BJI II 22 06 01 45.2 44.30N 129.50W 10 5.4b,4.5b **¶11713517**
IDC II 22 06 01 51.5–1.6 44.15N 128.73W 0 3.8,3.6
ISCJB II 22 06 01 52.6–.74 44.27N–.04 128.71W–.09 10 3.9b,3.5s
NEIC II 22 06 01 53.3–.95 44.24N 128.89W 10 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=40.0km s-min=15.1km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.1km az=168.6.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.5km az=70.0.
ISC II 28 12 17 36.1–.69 43.28N–.06 126.84W–.06 11–3 4.4s,4.1b 99 2-89
ISCJB II 28 12 17 34.9–1.4 43.40N–.04 126.74W–.06 2–10 4.1b,4.1s **¶11788670**
BJI II 28 12 17 34.6 43.20N 126.80W 10 4.6b,4.5
NEIC II 28 12 17 36.5–.71 43.24N 126.79W 10 4.2b,4.5
IDC II 28 12 17 36.2–2.0 43.50N 126.52W 0 4.0,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.8km az=143.6.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=5.4km az=50.0. Felt at Gold Beach.
IDC Error ellipse: s-maj=44.6km s-min=12.5km az=42.0.
ISC II 28 22 24 41.0–.53 43.32N–.05 126.92W–.06 14–2 4.9b,3.5s 113 2-98
BJI II 28 22 24 37.4 43.30N 127.10W 10 5.0b,4.9s **¶11730990**
ISCJB II 28 22 24 39.5–1.5 43.36N–.03 126.86W–.05 15–11 4.5b,3.7s
NEIC II 28 22 24 40.5–.95 43.33N 126.97W 10 4.8b,3.7s
IDC II 28 22 24 41.1–1.8 43.56N 126.54W 0 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=151.6.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.6km az=75.0.
IDC Error ellipse: s-maj=43.6km s-min=11.6km az=49.0.
ISC III 03 13 54 52.8–1.8 43.5N–.10 127.3W–.10 14 3.2s 24 3-25
ISCJB III 03 13 54 51.9–1.5 43.63N–.08 127.2W–.20 14 3.2b,3.0s **¶11792099**
IDC III 03 13 54 51.6–2.9 43.66N 126.91W 0 3.5L,3.5
NEIC III 03 13 54 53.1–1.5 43.60N 127.17W 10 3.2L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=8.5km az=147.7.
IDC Error ellipse: s-maj=58.4km s-min=19.7km az=44.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=10.3km az=61.0.
ISC III 04 04 33 04.8–1.2 43.35N–.07 126.8W–.10 14 3.7b 85 3-25
ISCJB III 04 04 33 03.2–.81 43.38N–.04 126.85W–.08 14 3.5b,3.2s **¶12702398**
NEIC III 04 04 33 03.9–.65 43.37N 126.93W 10 4.1b,3.2s
IDC III 04 04 33 03.5–2.0 43.45N 126.60W 0 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.2km az=150.5.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.6km az=55.0.
IDC Error ellipse: s-maj=41.1km s-min=12.8km az=50.0.
ISC III 05 10 01 25.9–.71 44.6N–.10 129.61W–.07 13 4.7b,3.6s 61 4-90
IDC III 05 10 01 20.4–1.9 44.37N 130.19W 0 3.7,3.5b **¶11754843**
BJI III 05 10 01 23.2 44.70N 129.60W 10 5.2b,5.0s
ISCJB III 05 10 01 25.5–.53 44.63N–.06 129.48W–.06 13 4.3b,3.7s
NEIC III 05 10 01 26.1–.83 44.56N 129.59W 10 4.2b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=20.2km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.0km az=28.4.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.4km az=41.0.
ISC III 06 10 32 55.3–1.5 44.45N–.09 129.2W–.20 10 3.3b 33 4-100
ISCJB III 06 10 32 51.8–1.4 44.45N–.06 129.3W–.20 10 4.2b **¶12702556**
NEIC III 06 10 32 54.9–1.4 44.46N 129.23W 10 3.8b
IDC III 06 10 32 55.5–3.7 44.63N 128.55W 0 3.4,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=8.3km az=169.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=11.5km az=75.0.
IDC Error ellipse: s-maj=100.9km s-min=19.9km az=55.0.
IDC III 10 20 24 36.5–2.3 43.65N 127.04W 0 3.5L,3.5 ¶12702913
IDC Error ellipse: s-maj=44.8km s-min=16.3km az=51.0.
ISC III 14 09 38 00.3–.55 44.48N–.07 129.85W–.06 15 4.3b,3.7s 147 4-86
BJI III 14 09 37 57.5 44.50N 129.87W 13 4.8s,4.8b **¶11882900**
IDC III 14 09 37 59.0–1.3 44.54N 129.63W 0 4.2L,4.1
ISCJB III 14 09 38 00.1–.43 44.60N–.03 129.72W–.05 15 4.2b,3.6s
NEIC III 14 09 38 00.9–.61 44.57N 129.80W 10 4.4b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=14.5km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.5km az=158.1.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.9km az=75.0.
ISC III 17 03 35 23.1–1.8 43.22N–.07 127.0W–.10 10 39 2-24
IDC III 17 03 35 14.5–9.5 42.28N 127.45W 0 3.4,3.2 **¶12703485**
NEIC III 17 03 35 23.4–1.2 43.16N 127.03W 10 3.2L,3.2
ISCJB III 17 03 35 24.0–1.1 43.28N–.06 126.83W–.10 10 3.1b,3.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC III 17 13 56 41.2–.61 44.57N–.10 130.21W–.07 15 4.0b,3.2s 69 5-95
IDC III 17 13 56 38.8–1.6 44.67N 130.13W 0 3.8,3.6 **¶11938409**
ISCJB III 17 13 56 40.1–.59 44.67N–.07 130.00W–.07 15 3.9b,3.3s
NEIC III 17 13 56 40.3–.86 44.65N 130.16W 10 4.2b,3.3s
BJI III 17 13 56 41.5 44.84N 131.00W 10 5.3b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=17.7km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.6km az=15.5.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.1km az=49.0.
ISC III 22 14 39 14.4–1.5 43.13N–.09 126.3W–.10 10 47 1-25
ISCJB III 22 14 39 12.3–1.2 43.14N–.06 126.3W–.10 2.8b **¶12054566**
IDC III 22 14 39 12.6–2.0 43.04N 126.32W 0 3.6,3.5L
NEIC III 22 14 39 14.6–.90 43.11N 126.18W 10 3.6b,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=6.7km az=158.3.
IDC Error ellipse: s-maj=30.3km s-min=13.6km az=56.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.8km az=71.0.

ISC III 27 06 15 39.4–1.2 43.56N–.07 126.9W–.10 14 4.0b,3.7s 73 2-86
IDC III 27 06 15 36.2–1.7 43.55N 126.91W 0 4.0,3.8 **¶12635681**
ISCJB III 27 06 15 37.3–.73 43.58N–.04 126.95W–.08 14 3.9b,3.6s
NEIC III 27 06 15 38.7–.84 43.61N 127.04W 10 4.1b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=11.5km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.4km az=152.5.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.1km az=59.0.
ISC IV 09 08 44 23.5–.59 44.28N–.05 129.28W–.06 13 4.0b,3.6s 366 4-91
BJI IV 09 08 44 20.9 44.30N 129.40W 10 4.7s,4.5 **¶12105739**
IDC IV 09 08 44 21.7–1.1 44.24N 129.08W 0 4.1,3.9
NEIC IV 09 08 44 23.9–.62 44.31N 129.31W 10 4.2b,3.9
ISCJB IV 09 08 44 23.1–.40 44.34N–.02 129.20W–.05 13 4.0b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 09 11 39 34.0–.55 44.24N–.05 129.21W–.05 10 4.1b,3.6s 405 4-85
IDC IV 09 11 39 31.9–.93 44.24N 129.15W 0 4.0,3.9 **¶12934895**
ISCJB IV 09 11 39 32.4–.34 44.33N–.02 129.26W–.04 10 4.0b,3.5s
NEIC IV 09 11 39 34.4–.46 44.31N 129.30W 10 4.1b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=11.7km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=172.5.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.2km az=44.0.
ISC IV 09 17 13 55.2–.86 44.20N–.07 129.22W–.08 10 3.9b,3.4s 284 4-95
ISCJB IV 09 17 13 52.7–.58 44.32N–.03 129.39W–.07 10 3.9b,3.4s **¶12934875**
IDC IV 09 17 13 54.0–1.3 44.31N 129.13W 0 4.0,3.8
NEIC IV 09 17 13 56.0–.78 44.32N 129.24W 10 4.2b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.7km az=1.7.
IDC Error ellipse: s-maj=30.3km s-min=13.7km az=37.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.0km az=59.0.
ISC IV 09 21 32 42.9–1.2 44.22N–.08 129.2W–.10 15 3.6b,3.2s 142 4-76
ISCJB IV 09 21 32 40.8–.69 44.31N–.03 129.28W–.08 15 3.6b,3.3s **¶12582042**
IDC IV 09 21 32 41.5–2.3 44.36N 128.98W 0 3.9,3.7
NEIC IV 09 21 32 42.6–1.3 44.27N 129.22W 10 3.8b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.0km az=2.5.
IDC Error ellipse: s-maj=42.3km s-min=16.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=8.9km az=60.0.
ISC IV 10 00 42 06.8–.94 44.32N–.07 129.10W–.09 10 3.8b,3.3s 197 4-82
ISCJB IV 10 00 42 04.3–.62 44.35N–.03 129.26W–.07 10 3.6b,3.3s **¶12582043**
IDC IV 10 00 42 05.6–1.4 44.42N 128.91W 0 3.8,3.6
NEIC IV 10 00 42 07.2–1.0 44.39N 129.21W 10 4.1b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.8km az=2.8.
IDC Error ellipse: s-maj=37.7km s-min=15.2km az=42.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.0km az=223.0.
ISC IV 10 06 37 16.5–.68 44.22N–.08 129.54W–.07 13 3.9b,3.8s 310 4-86
ISCJB IV 10 06 37 16.3–.57 44.33N–.03 129.46W–.07 13 4.0b,3.9s **¶12578495**
IDC IV 10 06 37 18.5–1.6 44.30N 128.96W 0 3.9,3.7
NEIC IV 10 06 37 19.9–.97 44.32N 129.29W 10 3.9b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.6km az=5.7.
IDC Error ellipse: s-maj=31.6km s-min=14.6km az=46.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.3km az=63.0.
ISC IV 10 20 44 47.8–1.3 44.21N–.08 128.7W–.10 13 37 3-46
ISCJB IV 10 20 44 45.0–1.3 44.29N–.05 128.8W–.10 13 3.2b,3.0s **¶12934943**
IDC IV 10 20 44 46.4–2.7 44.22N 128.44W 0 3.7,3.7L
NEIC IV 10 20 44 47.4–2.1 44.23N 128.54W 10 3.6b,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=6.7km az=161.7.
IDC Error ellipse: s-maj=58.4km s-min=17.3km az=54.0.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=10.7km az=72.0.
ISC IV 11 01 04 26.6–.55 44.34N–.06 129.44W–.04 13 3.9b 166 4-96
BJI IV 11 01 04 22.3 44.40N 129.50W 10 4.9b,4.4b **¶12581751**
IDC IV 11 01 04 24.2–1.1 44.23N 129.16W 0 3.9,3.8
ISCJB IV 11 01 04 26.1–.41 44.49N–.04 129.39W–.05 13 3.8b,3.1s
NEIC IV 11 01 04 26.6–.66 44.40N 129.39W 10 4.0b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=12.7km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=41.5.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.9km az=223.0.
ISC IV 11 07 18 40.0–.56 44.26N–.06 129.24W–.06 13 4.3b,3.6s 417 4-96
BJI IV 11 07 18 37.8 44.40N 129.20W 10 4.9b,4.5b **¶13438365**
IDC IV 11 07 18 38.7–1.1 44.30N 128.95W 0 4.1,4.0
ISCJB IV 11 07 18 39.8–.33 44.38N–.02 129.16W–.04 13 4.2b,3.6s
NEIC IV 11 07 18 41.0–.53 44.36N 129.21W 10 4.2b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=12.8km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.1km az=172.7.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.7km az=54.0.
ISC IV 11 16 31 31.0–.84 44.23N–.06 129.28W–.08 10 3.4b 72 4-78
IDC IV 11 16 31 29.8–1.6 44.34N 129.05W 0 3.7,3.6L **¶12935019**
ISCJB IV 11 16 31 30.3–.76 44.36N–.06 129.22W–.08 10 3.3b,3.0s
NEIC IV 11 16 31 31.3–.69 44.27N 129.22W 10 3.6b,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=33.0km s-min=15.7km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.5km az=138.2.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.8km az=49.0.
ISC IV 11 18 38 26.4–1.4 44.2N–.10 129.1W–.10 15 29 4-85
IDC IV 11 18 38 24.5–2.6 44.25N 128.88W 0 3.5L,3.4 **¶12935010**
NEIC IV 11 18 38 25.7–1.5 44.21N 129.23W 10 3.8b,3.4
ISCJB IV 11 18 38 25.7–1.4 44.2N–.10 129.0W–.10 15 3.1b,3.4
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC IV 12 05 51 36.3–1.5 44.29N–.08 129.0W–.10 10 49 4-25
ISCJB IV 12 05 51 33.0–1.1 44.24N–.05 129.1W–.10 10 3.1b **¶12935121**
IDC IV 12 05 51 33.9–2.4 44.21N 129.06W 0 3.6,3.6L
NEIC IV 12 05 51 34.6–1.4 44.26N 129.19W 10 3.6b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.3km az=153.2.
IDC Error ellipse: s-maj=42.5km s-min=19.5km az=53.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=8.7km az=76.0.
ISC IV 13 03 12 50.0–1.4 44.17N–.07 129.0W–.10 15 33 4-25
ISCJB IV 13 03 12 48.9–1.1 44.30N–.05 129.0W–.10 15 2.9b,2.9s **¶12935223**
NEIC IV 13 03 12 49.7–1.7 44.27N 129.02W 10 3.7b,2.9s
IDC IV 13 03 12 49.3–2.7 44.38N 128.79W 0 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.1km az=166.2.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=11.0km az=63.0.
IDC Error ellipse: s-maj=57.0km s-min=18.4km az=51.0.
ISC IV 13 03 34 25.2–2.0 44.18N–.09 129.0W–.20 13 30 4-25
IDC IV 13 03 34 18.8–4.9 44.01N 129.81W 0 3.6,3.4 **¶12935220**
NEIC IV 13 03 34 23.3–2.6 44.26N 129.25W 10 3.4L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=78.6km s-min=28.2km az=66.0.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=12.2km az=77.0.
ISC IV 16 04 18 31.8–.39 44.07N–.06 129.29W–.05 13 4.5b,4.0s 574 4-141
IDC IV 16 04 18 29.0–.78 44.04N 129.23W 0 4.3,4.2 **¶12597511**
BJI IV 16 04 18 29.3 44.20N 129.20W 10 5.2b,4.7s
ISCJB IV 16 04 18 31.0–.23 44.24N–.02 129.21W–.03 13 4.5b,4.0s
GCMT IV 16 04 18 32.0–.30 43.94N 129.42W 20–1 5.0W,4.0s
NEIC IV 16 04 18 32.0–.41 44.19N 129.27W 10 4.7b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=10.4km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.5km az=148.7.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s23,c28; s76,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.18 $M_{\theta\theta}$-2.73±.14; $M_{\phi\phi}$2.89±.13; $M_{r\theta}$-1.51±.29; $M_{\theta\phi}$-2.62±.11; $M_{\phi r}$1.00±.26; Best double couple: NP1:ϕ_s24.00000°,δ65.00000°,λ2.00000°. NP2:ϕ_s293.00000°,δ88.00000°,λ155.00000°. Principal axes: T 4.4200,Plg18.0000°,Azm246.0000°; N -0.3600,Plg65.0000°,Azm110.0000°; P -4.0600,Plg16.0000°,Azm342.0000° $M_0$4.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.9km az=45.0.
ISC IV 17 14 47 29.3–2.0 44.3N–.10 129.0W–.20 10 37 5-23
IDC IV 17 14 47 26.9–2.9 44.18N 129.14W 0 3.6,3.5 **¶12935436**
NEIC IV 17 14 47 33.0–1.6 44.61N 128.87W 10 4.0b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=48.7km s-min=17.4km az=51.0.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=9.2km az=53.0.
ISC IV 17 15 44 39.6–.58 44.17N–.08 129.15W–.07 10 4.3b,4.1s 386 4-95
IDC IV 17 15 44 38.1–.95 44.17N 129.17W 0 4.2,4.1 **¶12608511**
BJI IV 17 15 44 39.8 44.30N 129.20W 10 5.1b,4.9b
ISCJB IV 17 15 44 39.0–.35 44.31N–.02 129.18W–.04 10 4.2b,4.1s
NEIC IV 17 15 44 40.6–.55 44.26N 129.07W 10 4.4b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=11.6km az=34.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=177.3.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.1km az=49.0.
IDC IV 19 06 17 48.3–2.0 44.21N 129.15W 0 3.8,3.8s
¶16153024
IDC Error ellipse: s-maj=46.9km s-min=18.3km az=41.0.
ISC IV 20 00 03 15.2–1.3 44.2N–.10 129.3W–.10 13 3.5b 24 4-78
NEIC IV 20 00 03 13.9–.91 44.08N 129.24W 10 3.0L **¶12935790**
ISCJB IV 20 00 03 14.1–1.2 44.26N–.09 129.2W–.10 13 3.4b
IDC IV 20 00 03 14.5–1.9 44.34N 129.54W 0 3.5,3.4
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.0km az=200.0.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=8.6km az=39.2.
IDC Error ellipse: s-maj=61.1km s-min=22.3km az=40.0.
ISC IV 21 10 56 21.9–1.3 43.81N–.06 127.97W–.09 10 3.5b,3.2s 49 3-25
ISCJB IV 21 10 56 19.5–1.0 43.82N–.05 128.0W–.10 10 3.3b,3.1s **¶12935876**
IDC IV 21 10 56 19.9–2.0 43.89N 127.92W 0 3.6,3.6L
NEIC IV 21 10 56 21.4–1.2 43.86N 128.00W 10 3.7b,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.0km az=156.2.
IDC Error ellipse: s-maj=34.0km s-min=14.7km az=52.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.7km az=68.0.
IDC V 04 18 20 46.7–3.3 44.08N 129.27W 0 3.7L,3.5
¶16154903
IDC Error ellipse: s-maj=52.7km s-min=23.7km az=44.0.
ISC V 19 09 27 37.1–1.5 43.46N–.07 127.5W–.10 15 44 2-25
ISCJB V 19 09 27 35.2–1.1 43.51N–.06 127.5W–.10 15 3.3s,3.0b **¶13679228**
IDC V 19 09 27 35.7–2.2 43.62N 127.24W 0 3.6L,3.5
NEIC V 19 09 27 36.5–1.2 43.49N 127.45W 10 3.5b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.6km az=148.4.
IDC Error ellipse: s-maj=35.0km s-min=16.6km az=56.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.1km az=65.0.
ISC V 26 18 00 04.4–.58 43.79N–.08 128.08W–.07 10 4.3b,3.8s 131 3-95
BJI V 26 17 59 59.0 43.12N 128.01W 10 4.9b,4.7s **¶12863056**
IDC V 26 18 00 02.8–1.0 43.81N 128.10W 0 4.0,3.9
ISCJB V 26 18 00 03.8–.37 43.87N–.03 128.03W–.05 10 4.2b,3.8s
NEIC V 26 18 00 05.1–.50 43.83N 128.06W 10 4.3b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=10.4km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.5km az=42.5.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.6km az=225.0.
NEIC VI 15 21 44 44.1–3.2 43.33N 127.42W 10 3.7b
¶13111660
NEIC Event type se. Error ellipse: s-maj=36.7km s-min=9.2km az=70.0.
ISC VI 15 22 39 47.3–1.2 44.04N–.06 128.8W–.10 15 4.1b,3.3s 67 3-40
ISCJB VI 15 22 39 45.6–.91 44.07N–.04 128.81W–.10 15 3.7b,3.3s **¶13111662**
NEIC VI 15 22 39 45.4–1.1 44.01N 128.97W 10 3.9b,3.3s
IDC VI 15 22 39 45.2–2.4 44.10N 128.74W 0 3.8,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.0km az=164.2.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.0km az=70.0.
IDC Error ellipse: s-maj=41.3km s-min=17.1km az=56.0.
ISC VI 23 03 41 37.7–2.4 43.17N–.07 126.89W–.09 17–15 39 2-24
NEIC VI 23 03 41 36.8–1.1 43.13N 126.94W 10 2.7L **¶13681880**
ISCJB VI 23 03 41 37.5–2.0 43.20N–.06 126.91W–.10 27–22 2.8b
IDC VI 23 03 41 37.6–2.9 43.38N 126.55W 0 3.5,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.1km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=7.7km az=140.5.
IDC Error ellipse: s-maj=57.7km s-min=14.4km az=47.0.
ISC VI 24 09 06 24.7–1.6 43.20N–.07 126.9W–.10 10 3.4b 33 2-24
IDC VI 24 09 06 22.8–3.6 42.93N 127.22W 0 3.4,3.3 **¶13681956**
NEIC VI 24 09 06 25.6–1.4 43.26N 126.71W 10 3.8b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=95.2km s-min=20.6km az=51.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=9.0km az=74.0.
ISC VI 28 21 56 09.0–1.2 43.64N–.06 127.00W–.09 14 3.8b 40 2-79
IDC VI 28 21 56 06.9–1.5 43.63N 127.02W 0 3.9L,3.7 **¶13307288**
ISCJB VI 28 21 56 08.0–.94 43.63N–.05 127.05W–.10 14 3.5b,3.1s
NEIC VI 28 21 56 08.6–1.2 43.67N 126.92W 10 3.8b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=14.3km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=6.5km az=155.3.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=9.8km az=66.0.

(32) Oregon.

ISC II 26 09 52 48.5–.63 42.58N–.03 123.87W–.05 44–6 3.6b 205 0-97
BJI II 26 09 52 43.4 42.26N 124.03W 30 4.8b,4.8b **¶11730105**
IDC II 26 09 52 43.7–1.1 42.64N 123.71W 0 4.2,3.9
ISCJB II 26 09 52 47.3–.32 42.57N–.02 123.88W–.04 51–3 4.0b,3.1s
PNSN II 26 09 52 47.6 42.54N 123.90W 39 4.1,3.1s
NEIC II 26 09 52 47.6 42.54N 123.90W 39 4.2W,4.1
ISC Event type fe.
IDC Error ellipse: s-maj=23.4km s-min=9.5km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.8km az=178.0.
PNSN Moment Tensor Solution. NP1:ϕ_s120.00000°,δ50.00000° NP2:ϕ_s330.00000°,δ44.00000° Principal axes: T Plg3.0000°,Azm224.0000°; P Plg74.0000°,Azm325.0000° Moment Tensor Solution. NP1:ϕ_s350.00000°,δ65.00000° NP2:ϕ_s100.00000°,δ54.00000° Principal axes: T Plg6.0000°,Azm47.0000°; P Plg45.0000°,Azm310.0000°
NEIC Event type fe. Felt [IV] at Agness; [III] at Glendale and Gold Beach; [II] at Azalea, Grants Pass, Merlin and Rogue River. Also felt at Ashland, Brookings, Canyonville, Cave Junction, Coos Bay, Coquille, Eugene, Gold Hill, Jacksonville, Medford, Murphy, Ophir, Port Orford, Riddle, Selma, Trail, Wilderville, Williams and Wolf Creek. After SEA. Moment Tensor Solution. $M_0$2.40000×10^{15}

(34) Off coast of northern California.

ISC II 17 00 04 05.7–1.9 40.87N–.06 125.3W–.10 12 37 1-23
IDC II 17 00 04 04.7–5.0 40.91N 125.33W 0 3.4,3.4L **¶12700963**
NEIC II 17 00 04 06.4 40.86N 125.40W 27 3.2L,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=74.5km s-min=27.9km az=60.0.
NEIC Event type se. After NCEDC.
IDC II 24 20 13 30.5–2.1 40.78N 126.96W 0 3.8,3.7L
¶15957183
IDC Error ellipse: s-maj=31.9km s-min=14.3km az=34.0.
ISC III 15 22 35 45.6–2.3 41.54N–.04 125.40W–.09 5–13 39 1-22
IDC III 15 22 35 46.1–2.7 41.51N 125.42W 0 3.6,3.3 **¶12703377**
NEIC III 15 22 35 50.1 41.34N 125.19W 5 3.3L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=20.7km az=51.0.
NEIC Event type se. After NCEDC.
ISC III 23 01 34 23.7–3.6 40.48N–.06 125.2W–.10 5–25 4.3b 101 1-68
IDC III 23 01 34 24.9–2.7 40.66N 125.11W 0 3.9,3.6L **¶12635345**
NEIC III 23 01 34 24.1 40.44N 125.32W 11 4.3b,4.1W
ISC Event type fe.

IDC Error ellipse: s-maj=29.3km s-min=26.3km az=78.0.
NEIC Event type fe. Felt [II] at Eureka. Also felt at Fortuna and Trinidad. After NCEDC. Moment Tensor Solution. $M_0$1.90000×10^{15}

ISC V 10 17 55 12.7–1.6 41.05N–.05 125.2W–.10 15 41 1-22
ISCJB V 10 17 55 11.0–1.2 41.02N–.04 125.2W–.10 15 3.1b **¶12792214**
IDC V 10 17 55 13.0–1.9 41.12N 124.93W 0 3.6,3.6L
NEIC V 10 17 55 13.6 41.06N 125.18W 18 3.3L,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=5.2km az=171.0.
IDC Error ellipse: s-maj=23.7km s-min=14.5km az=144.0.
NEIC Event type se. After NCEDC.

NEIC V 29 03 35 15.1–2.2 40.36N 127.07W 10 4.0W,3.6b
¶14648632

NEIC Event type se. Error ellipse: s-maj=26.9km s-min=6.9km az=81.0. Moment Tensor Solution. $M_0$1.30000×10^{15}

NEIC VI 02 17 04 40.1 40.45N 125.82W 8 3.5W
¶14931208

NEIC Event type fe. Felt at Arcata and McKinleyville. After NCEDC. Moment Tensor Solution. $M_0$2.00000×10^{14}

(35) Near coast of northern California.

ISC I 10 09 18 11.0–1.1 38.98N–.04 123.39W–.07 10 34 0-24
ISCJB I 10 09 18 09.7–.70 38.96N–.04 123.39W–.07 10 3.2b **¶11534715**
NEIC I 10 09 18 11.2 39.03N 123.34W 7 3.7W
IDC I 10 09 18 14.5–3.4 39.35N 123.03W 0 3.4,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=3.8km az=151.8.
NEIC Event type fe. Felt [III] at Ukiah. Also felt at Boonville. After NCEDC. Moment Tensor Solution. $M_0$5.20000×10^{14}
IDC Error ellipse: s-maj=58.6km s-min=18.3km az=36.0.

ISC II 04 17 14 23.0–2.6 40.4N–.10 124.9W–.20 13 18 1-23
NEIC II 04 17 14 21.5 40.37N 125.00W 10 3.3L **¶12699545**
IDC II 04 17 14 23.4–2.3 40.51N 124.60W 0 3.4,3.2
ISC Event type se.
NEIC Event type se. After NCEDC.
IDC Error ellipse: s-maj=28.2km s-min=14.8km az=111.0.

ISC III 18 11 04 38.5–1.5 40.52N–.04 124.4W–.10 10 38 1-23
ISCJB III 18 11 04 35.5–.75 40.50N–.03 124.58W–.08 10 2.8b **¶12025736**
IDC III 18 11 04 37.2–2.5 40.62N 124.29W 0 3.6,3.4L
NEIC III 18 11 04 39.1 40.55N 124.43W 14 3.8W,3.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=3.8km az=174.5.
IDC Error ellipse: s-maj=28.2km s-min=11.8km az=108.0.
NEIC Event type fe. Felt [II] at Arcata, Bayside, Eureka, Ferndale, Fortuna, McKinleyville and Rio Dell. Also felt at Blue Lake, Carlotta, Fields Landing, Loleta, Petrolia, Redway, Scotia and Trinidad. After NCEDC. Moment Tensor Solution. $M_0$6.70000×10^{14}

NEIC III 23 12 29 21.2 39.57N 123.45W 7 3.6W
¶14269753

NEIC Event type se. After NCEDC. Moment Tensor Solution. $M_0$2.80000×10^{14}

ISC III 27 08 32 35.7–1.8 40.75N–.05 124.36W–.09 24–13 54 0-23
IDC III 27 08 32 32.6–2.9 40.81N 124.34W 0 3.5,3.4L **¶12062361**
ISCJB III 27 08 32 34.4–1.4 40.78N–.04 124.4W–.10 29–8 3.0b,3.4L
NEIC III 27 08 32 35.5 40.76N 124.40W 19 3.7W,3.4L
ISC Event type fe.
IDC Error ellipse: s-maj=33.4km s-min=16.7km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=14.0km s-min=5.8km az=174.7.
NEIC Event type fe. Felt [II] at Arcata, Eureka and McKinleyville. Also felt at Bayside, Blue Lake, Ferndale, Fields Landing, Fortuna, Redway and Trinidad. After NCEDC. Moment Tensor Solution. $M_0$4.80000×10^{14}

ISC IV 03 18 02 22.2–1.9 40.52N–.06 124.7W–.10 25 22 1-23
NEIC IV 03 18 02 22.7 40.51N 124.75W 16 3.8W **¶12934377**
ISCJB IV 03 18 02 22.0–1.3 40.55N–.04 124.7W–.20 25 2.4b
IDC IV 03 18 02 22.2–3.0 40.67N 124.54W 0 3.7L,3.6
ISC Event type fe.
NEIC Event type fe. Felt [II] at Arcata, Bayside and Eureka. Also felt at Blue Lake, Fields Landing, Korbel and McKinleyville. After NCEDC. Moment Tensor Solution. $M_0$7.30000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=16.4km s-min=6.3km az=179.8.
IDC Error ellipse: s-maj=32.6km s-min=16.7km az=80.0.

ISC V 03 17 54 05.7–.66 40.80N–.06 124.16W–.07 27 3.9b 74 0-91
IDC V 03 17 54 02.2–1.3 40.76N 124.03W 0 3.9,3.6 **¶12750536**
ISCJB V 03 17 54 04.0–.53 40.76N–.03 124.16W–.07 27 4.0s,3.7b
BJI V 03 17 54 04.0 40.70N 124.20W 21 5.0b,4.7s
NEIC V 03 17 54 05.2 40.75N 124.16W 21 4.2W,4.1b
ISC Event type fe.
IDC Error ellipse: s-maj=15.8km s-min=12.1km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.1km az=164.7.
NEIC Event type fe. Felt [IV] at Samoa; [III] at Arcata, Bayside, Blue Lake, Eureka, Hydesville, McKinleyville, Trinidad and Willow Creek; [II] at Ferndale, Fortuna, Kneeland, Loleta and Rio Dell. Also felt at Carlotta, Korbel, Orick and Scotia. After NCEDC. Moment Tensor Solution. $M_0$2.20000×10^{15}

ISC VI 08 07 54 03.2–.86 40.41N–.04 124.45W–.08 21–4 4.0b 70 1-87
IDC VI 08 07 54 00.0–1.3 40.46N 124.44W 0 3.8,3.6 **¶13680882**
ISCJB VI 08 07 54 02.2–1.1 40.40N–.02 124.50W–.07 31–7 3.6b,3.6
NEIC VI 08 07 54 03.6 40.38N 124.41W 18 3.9b,3.9W
ISC Event type fe.
IDC Error ellipse: s-maj=17.6km s-min=12.9km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.8km az=168.9.
NEIC Event type fe. Felt [III] at Ferndale and Loleta and [II] at Eureka, Fortuna, Rio Dell and Scotia. Also felt at Arcata, Bayside, Carlotta, Hydesville, McKinleyville, Myers Flat, Petrolia, Redcrest, Redway and Whitethorn. After NCEDC. Moment Tensor Solution. $M_0$9.10000×10^{14}

(36) Northern California.

ISC I 04 17 27 11.5–.52 38.69N–.04 122.90W–.05 10 4.1s,3.9b 58 0-98
BJI I 04 17 27 09.0 38.49N 123.68W 6 4.8b,4.6s **¶11528270**
NEIC I 04 17 27 10.0 38.78N 122.77W 4 4.2W,4.6s
ISCJB I 04 17 27 10.1–.41 38.70N–.04 122.83W–.06 10 4.0s,4.0b
IDC I 04 17 27 12.6–2.1 38.89N 122.80W 0 4.0,3.9b
ISC Event type fe.
NEIC Event type fe. Felt [V] at Middletown, [IV] at Cobb, [III] at Pope Valley and [II] at Angwin, Calistoga, Clearlake, Cloverdale, Geyserville, Healdsburg, Hidden Valley Lake, Kelseyville, Kenwood, Lower Lake, Napa, Petaluma, Saint Helena, San Francisco, Santa Rosa, Sonoma and Windsor. Also felt at Antioch, Clearlake Oaks, Deer Park, Emeryville, Fairfield, Glen Ellen, Greenbrae, Guerneville, Lakeport, Novato, Oakley, Oakville, Rohnert Park, Rutherford, Sacramento, San Rafael, Sausalito, South Lake Tahoe, Suisun City, Vacaville and Yountville. After NCEDC. Moment Tensor Solution. $M_0$2.70000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=3.8km az=144.5.
IDC Error ellipse: s-maj=50.7km s-min=11.3km az=21.0.

ISC II 20 10 29 27.4–1.7 38.84N–.04 122.82W–.04 8–14 30 0-18
NEIC II 20 10 29 27.6 38.81N 122.81W 2 3.7W **¶12701325**
IDC II 20 10 29 29.0–3.2 38.80N 122.87W 0 3.8,3.3
ISC Event type fe.
NEIC Event type fe. Felt at Cobb and Kelseyville. After NCEDC. Moment Tensor Solution. $M_0$4.00000×10^{14}
IDC Error ellipse: s-maj=42.3km s-min=12.3km az=39.0.

ISC IV 17 15 09 38.9–1.3 38.78N–.03 122.87W–.05 1–12 35 0-18
ISCJB IV 17 15 09 38.1–.70 38.80N–.03 122.82W–.08 2–9 **¶12935432**
NEIC IV 17 15 09 39.6 38.82N 122.80W 3 3.7W
IDC IV 17 15 09 39.0–2.3 38.67N 122.93W 0 3.8,3.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=3.5km az=160.1.
NEIC Event type fe. Felt at Calistoga, Cloverdale, Cobb, Geyserville, Healdsburg, Middletown and Novato. After NCEDC. Moment Tensor Solution. $M_0$3.90000×10^{14}
IDC Error ellipse: s-maj=23.9km s-min=11.2km az=51.0.

ISC VI 27 17 29 35.4–.86 40.20N–.04 122.81W–.04 10 32 0-19
IDC VI 27 17 29 32.4–3.0 40.09N 123.16W 0 3.5L,3.3 **¶13307058**
ISCJB VI 27 17 29 35.8–.43 40.19N–.03 122.70W–.05 10 3.5L,3.3
NEIC VI 27 17 29 35.3 40.19N 122.80W 8 3.8W,3.3
ISC Event type fe.
IDC Error ellipse: s-maj=32.8km s-min=7.8km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.4km az=140.7.
NEIC Event type fe. Felt at Hayfork. After NCEDC. Moment Tensor Solution. $M_0$6.60000×10^{14}

ISC VI 30 17 27 26.6–1.0 38.76N–.04 122.96W–.06 10 32 0-19
IDC VI 30 17 27 24.3–2.4 38.56N 123.24W 0 3.7,3.5 **¶13316779**
ISCJB VI 30 17 27 26.8–.50 38.77N–.03 122.77W–.07 10 3.7,3.5
NEIC VI 30 17 27 27.0 38.81N 122.79W 4 3.8W,3.5
ISC Event type fe.
IDC Error ellipse: s-maj=28.1km s-min=11.4km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.3km az=159.6.
NEIC Event type fe. Felt [III] at Angwin, Hidden Valley Lake and Middletown; [II] at Calistoga, Geyserville, Healdsburg, Napa, Petaluma, Saint Helena, Santa Rosa and Sonoma. Also felt at Kelseyville, Lower Lake, Mountain View, Pope Valley, Sacramento, San Francisco, San Ramon, Windsor and Yountville. After NCEDC. Moment Tensor Solution. $M_0$7.20000×10^{14}

(37) Nevada.

ISC I 04 15 29 28.0–1.2 41.19N–.02 114.77W–.02 0–10 105 1-30
NEIC I 04 15 29 27.0 41.33N 114.84W 9 3.6L **¶11534691**
IDC I 04 15 29 29.1–1.7 41.24N 115.08W 0 3.7,3.4L
ISC Event type fe.
NEIC Event type fe. Felt at Wells. Also felt at Oakley, Idaho. After REN.
IDC Error ellipse: s-maj=24.0km s-min=13.7km az=141.0.

NEIC I 04 23 36 02.2 41.55N 115.88W 2 3.7L
¶11534694

NEIC Event type fe. Felt at Mountain City. After REN.

ISC I 09 13 18 29.6–1.2 41.11N–.04 114.78W–.03 14–11 37 1-21
NEIC I 09 13 18 28.0–.48 41.17N 114.81W 5 2.8L **¶12080845**
IDC I 09 13 18 29.9–1.3 40.26N 114.01W 0 2.9,2.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.3km az=132.0.
IDC Error ellipse: s-maj=55.0km s-min=7.2km az=147.0.

ISC II 18 03 12 32.7–.68 41.18N–.02 114.88W–.02 10 132 1-21
IDC II 18 03 12 32.0–1.1 41.19N 114.89W 0 3.6L,3.4 **¶12701092**
ISCJB II 18 03 12 32.6–.27 41.10N–.02 114.92W–.03 10 2.7b,3.4
NEIC II 18 03 12 33.0 41.22N 114.87W 6 3.7L,3.4
ISC Event type fe.
IDC Error ellipse: s-maj=35.1km s-min=6.9km az=144.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=21.0.
NEIC Event type fe. Felt [III] at Wells. After REN.

NEIC III 17 09 59 05.0 40.82N 116.03W 8 3.8L
¶14269704

NEIC Event type fe. Felt at Carlin and Spring Creek. After REN.

ISC IV 02 03 52 19.5–1.1 41.06N–.02 117.09W–.02 1–9 134 1-22
IDC IV 02 03 52 19.9–.94 41.14N 117.21W 0 3.4L,3.1 **¶12934342**
NEIC IV 02 03 52 20.4 41.06N 117.14W 5 3.8L,3.1
ISC Event type se.
IDC Error ellipse: s-maj=11.3km s-min=8.3km az=126.0.
NEIC Event type se. After REN.

(38) Off coast of California.

ISC I 29 08 41 58.3–.85 32.70N–.03 118.18W–.03 16–4 4.1b,4.0s 105 0-101
BJI I 29 08 41 56.0 32.70N 118.20W 10 5.3b,4.8s **¶11667156**
ISCJB I 29 08 41 59.8–.56 32.75N–.03 118.21W–.03 22–4 4.1b,3.9s
NEIC I 29 08 41 59.0 32.73N 118.22W 0 4.2L,3.9s
ECX I 29 08 41 59.9–.58 32.71N 118.23W 18–4 4.1,4.0L
IDC I 29 08 42 02.2–1.9 32.89N 117.98W 0 3.5b,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.5km az=38.5.
NEIC Event type fe. Felt [II] at Aliso Viejo, Avalon, Corona del Mar, Costa Mesa, Irvine, Laguna Beach, Laguna Hills, Laguna Niguel, Lake Forest, Mission Viejo, Newport Beach, Newport Coast, Orange, San Clemente, San Juan Capistrano and Santa Ana. Felt in Orange and western San Diego Counties. After PAS.
ECX Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=26.3km s-min=15.6km az=67.0.

ISC I 29 19 20 00.9–1.2 32.70N–.05 118.21W–.05 10 32 0-3
ISCJB I 29 19 20 00.5–.67 32.69N–.04 118.21W–.04 10 **¶13989270**
NEIC I 29 19 20 02.4 32.73N 118.23W 10 3.1L
ECX I 29 19 20 02.0–.50 32.67N 118.27W 20–5 3.1,3.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=3.5km az=40.6.
NEIC Event type fe. Felt at Aliso Viejo and El Cajon. Also felt at Tijuana, Baja California. After PAS.
ECX Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.

ISC VI 20 01 00 30.0–1.8 32.84N–.04 118.03W–.05 14–13 55 1-15
ECX VI 20 01 00 29.9–.77 32.82N 118.08W 15 4.2L,4.1 **¶13306144**
NEIC VI 20 01 00 30.6 32.90N 118.01W 14 4.1L,4.1
ISC Event type fe.
ECX Error ellipse: s-maj=2.7km s-min=3.2km az=-1.0.
NEIC Event type fe. Felt [IV] at Laguna Hills, [III] at Newport Coast and [II] at Avalon and along the coast from Los Angeles to San Diego. Felt as far inland as Fontana, Redlands and Ramona. After PAS.

(39) Central California.

ISC I 15 14 43 52.8–1.1 36.67N–.05 121.45W–.05 16–6 29 0-7
ISCJB I 15 14 43 52.5–.76 36.66N–.05 121.46W–.06 17–5 **¶13989126**
NEIC I 15 14 43 53.4 36.69N 121.31W 6 3.7W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=4.9km az=139.2.
NEIC Event type fe. Felt [III] at Carmel and Salinas; [II] at Carmel Valley, Hollister, Marina, Monterey, Seaside and Watsonville. Also felt at Aromas, Carmel-by-the-Sea, Castroville, Greenfield, Morgan Hill, San Juan Bautista and Spreckels. After NCEDC. Moment Tensor Solution. $M_0$4.10000×10^{14}

NEIC I 15 14 44 07.0 36.68N 121.33W 6 3.7W
¶11594720

NEIC Event type se. After NCEDC. Moment Tensor Solution. $M_0$4.40000×10^{14}

NEIC I 15 14 58 22.9 36.69N 121.32W 6 3.0L
¶13989125

NEIC Event type fe. Felt [III] at Carmel Valley and Seaside; [II] at Hollister, Monterey, Salinas and Santa Cruz. Also felt at Aptos, Carmel, Felton, Gilroy, Marina and San Juan Bautista. After NCEDC.

ISC I 20 06 05 58.6–1.1 36.63N–.04 121.41W–.05 12 39 0-12
ISCJB I 20 06 05 59.0–.53 36.62N–.04 121.47W–.05 12 **¶11613328**
NEIC I 20 06 06 00.5 36.70N 121.33W 6 3.9W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.5km az=135.3.
NEIC Event type fe. Felt [III] at Hollister and [II] at Ben Lomond, Carmel, Marina, Monterey, Pacific Grove, Salinas, Santa Cruz, Scotts Valley and Seaside. Also felt at Boulder Creek, Carmel-by-the-Sea, Carmel Valley, Felton, Gilroy, Gonzales, Los Gatos, Milpitas, Morgan Hill, Mount Hermon, San Jose, San Juan Bautista, Santa Clara, Soquel and Watsonville. After NCEDC. Moment Tensor Solution. $M_0$7.90000×10^{14}

ISC I 20 08 14 41.6–1.4 36.66N–.05 121.43W–.04 8–9 35 0-8
NEIC I 20 08 14 42.5 36.70N 121.33W 5 3.8W **¶11617462**
ISC Event type se.
NEIC Event type se. After NCEDC. Moment Tensor Solution. $M_0$5.90000×10^{14}

ISC I 20 08 57 22.6–1.7 36.64N–.06 121.43W–.07 5–12 24 0-6
ISCJB I 20 08 57 22.6–.89 36.63N–.05 121.42W–.08 12–8 **¶11613335**
NEIC I 20 08 57 23.5 36.70N 121.33W 5 3.5W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=5.4km az=149.0.
NEIC Event type fe. Felt [II] at Soledad. Also felt at Hollister, Marina and Salinas. After NCEDC. Moment Tensor Solution. $M_0$2.10000×10^{14}

ISC I 20 09 12 26.0–1.3 36.66N–.04 121.33W–.03 3–10 47 0-26
NEIC I 20 09 12 26.9 36.69N 121.32W 6 3.8W **¶11613338**
IDC I 20 09 12 30.1–2.4 36.62N 121.12W 0 3.5,3.4s
ISC Event type ke.
NEIC Event type fe. Felt [II] at Gilroy, Hollister, Salinas and Soledad. Also felt at Aptos, Carmel Valley, Castroville, Los Altos, Los Gatos, Monterey and Santa Cruz. After NCEDC. Moment Tensor Solution. $M_0$5.40000×10^{14}
IDC Error ellipse: s-maj=29.5km s-min=21.4km az=131.0.

ISC I 21 20 49 41.0–1.2 36.67N–.04 121.42W–.04 12–8 39 0-5
NEIC I 21 20 49 42.5 36.70N 121.33W 7 3.5W **¶11615855**
ISC Event type fe.
NEIC Event type fe. Felt [III] at Carmel Valley and [II] at Monterey and Salinas. Also felt at Hollister, Paicines and San Juan Bautista. After NCEDC. Moment Tensor Solution. $M_0$2.20000×10^{14}

ISC I 24 18 08 40.3–1.1 35.99N–.02 117.30W–.02 6–10 48 0-4

NEIC I 24 18 08 40.5 35.99N 117.30W 0 3.1L ¶13989220
ISC Event type se.
NEIC Event type se. After PAS.
ISC I 31 21 09 21.8–.49 35.42N–.02 117.76W–.02 11–3 3.8b 128 0-99
BJI I 31 21 09 18.5 35.40N 117.80W 7 5.3b,5.0s ¶11667192
IDC I 31 21 09 21.9–1.7 35.40N 117.63W 0 3.8,3.7L
NEIC I 31 21 09 22.6 35.41N 117.79W 8 4.0W,3.7L
ISC Event type fe.
IDC Error ellipse: s-maj=24.7km s-min=11.4km az=60.0.
NEIC Event type fe. Felt [II] at California City and Ridgecrest. Also felt at Apple Valley, Caliente, Cantil, Canyon Country, Colton, Desert Hot Springs, Edwards, Huntington Beach, Inyokern, Lancaster, Los Angeles, Marina del Rey, Mojave, Monrovia, Rosamond, San Gabriel, San Jacinto, Santa Clarita, Santa Monica, Santa Paula, Tehachapi, Trona and Victorville. After PAS. Moment Tensor Solution. $M_0$1.20000×10^{15}
ISC II 06 00 20 26.8–1.3 36.63N–.04 121.40W–.04 9–9 47 0-8
ISCJB II 06 00 20 26.9–.81 36.56N–.03 121.51W–.05 11–6 ¶11667349
NEIC II 06 00 20 29.0 36.69N 121.32W 5 3.7W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.1km az=143.3.
NEIC Event type fe. Felt [III] at Soledad and [II] at Carmel Valley and Hollister. Also felt at Boulder Creek, Gonzales, Greenfield, King City, Paicines, Salinas, San Juan Bautista, Santa Clara, Sunnyvale and Tracy. After NCEDC.
ISC II 07 13 58 33.2–1.2 36.68N–.05 121.33W–.06 7–10 20 0-4
ISCJB II 07 13 58 32.8–.83 36.65N–.04 121.42W–.07 14–5 ¶14189324
NEIC II 07 13 58 33.7 36.69N 121.32W 5 3.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.6km az=153.3.
NEIC Event type se. After NCEDC.
ISC II 16 01 03 37.4–1.2 35.27N–.02 119.42W–.03 1–9 3.6b 77 0-79
NEIC II 16 01 03 39.0 35.30N 119.43W 15 3.9L ¶11678024
IDC II 16 01 03 39.1–1.6 35.40N 119.53W 0 3.7,3.6
ISC Event type fe.
NEIC Event type fe. Felt [III] at Buttonwillow, Fellows, Taft and Tupman and [II] at Bakersfield. Also felt at Arvin and Maricopa. After PAS.
IDC Error ellipse: s-maj=24.7km s-min=16.4km az=86.0.
ISC II 20 12 19 13.8–1.1 35.97N–.01 117.28W–.02 0–9 133 0-96
NEIC II 20 12 19 14.7 35.98N 117.31W 2 3.6W ¶12701333
IDC II 20 12 19 14.6–2.1 36.00N 117.29W 0 3.7b,3.5
ISC Event type fe.
NEIC Event type fe. Felt near Trona. After PAS. Moment Tensor Solution. $M_0$3.30000×10^{14}
IDC Error ellipse: s-maj=37.2km s-min=13.8km az=46.0.
ISC III 08 14 47 17.8–1.5 37.47N–.04 121.82W–.04 0–16 27 0-6
ISCJB III 08 14 47 18.4–.84 37.42N–.05 121.83W–.06 12–9 ¶11788814
NEIC III 08 14 47 19.5 37.47N 121.80W 10 3.5W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.1km az=137.5.
NEIC Event type fe. Felt [III] at Redwood City and [II] at Atherton, Campbell, Cupertino, Fremont, Los Altos, Los Gatos, Menlo Park, Milpitas, Mountain View, Newark, Oakland, Palo Alto, Pleasanton, San Francisco, San Jose, Santa Clara, Stanford, Sunnyvale and Union City. After NCEDC. Moment Tensor Solution. $M_0$2.00000×10^{14}
ISC III 12 13 59 42.2–1.3 36.10N–.04 120.19W–.04 8–11 30 1-4
ISCJB III 12 13 59 42.9–.88 36.10N–.03 120.18W–.05 20–8 ¶14269663
NEIC III 12 13 59 43.2 36.12N 120.19W 9 3.4W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.3km az=158.7.
NEIC Event type se. After NCEDC. Moment Tensor Solution. $M_0$1.60000×10^{14}
ISC III 15 05 23 30.6–1.3 36.34N–.02 120.33W–.03 1–11 65 1-7
NEIC III 15 05 23 31.3 36.34N 120.35W 5 3.5W ¶11883147
ISC Event type se.
NEIC Event type se. After NCEDC. Moment Tensor Solution. $M_0$1.90000×10^{14}
ISC III 24 04 07 55.0–1.1 35.99N–.02 117.30W–.02 4–10 69 0-5
NEIC III 24 04 07 55.2 35.98N 117.30W 4 2.8L ¶12084351
ISC Event type se.
NEIC Event type se. After PAS.
ISC III 25 20 42 06.2–1.1 35.99N–.02 117.29W–.02 4–10 54 0-4
NEIC III 25 20 42 06.7 35.99N 117.30W 1 3.1L ¶14269769
ISC Event type se.
NEIC Event type se. After PAS.
ISC III 30 17 40 29.9–.74 37.26N–.03 121.58W–.04 9–4 4.2b 132 1-102
BJI III 30 17 40 27.0 37.30N 121.60W 6 5.1b,4.8s ¶12070696
NEIC III 30 17 40 29.3 37.29N 121.62W 8 4.5b,4.3W
IDC III 30 17 40 32.0–1.2 37.52N 121.39W 0 4.2,4.0b
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Mount Hamilton and San Jose and [III] at Gilroy, Milpitas, Morgan Hill, Oakland, San Martin, Santa Clara and Sunnyvale. Felt [II] throughout the Monterey Bay and San Francisco Bay areas and in the Stockton-Merced area. Felt as far as Marysville and Midpines. After NCEDC. Moment Tensor Solution. $M_0$3.80000×10^{15}
IDC Error ellipse: s-maj=23.2km s-min=13.3km az=27.0.
ISC IV 30 22 50 54.1–1.3 37.25N–.03 121.66W–.04 2–11 58 1-26
ISCJB IV 30 22 50 53.9–.75 37.24N–.03 121.64W–.05 11–7 2.7b ¶12742814
IDC IV 30 22 50 53.8–1.4 37.16N 121.65W 0 3.4,3.3
NEIC IV 30 22 50 54.7 37.25N 121.64W 7 3.5W,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=3.6km az=139.8.
IDC Error ellipse: s-maj=15.1km s-min=9.0km az=55.0.
NEIC Event type fe. Felt [IV] at San Jose and [II] at Gilroy and Morgan Hill. Also felt at Aptos, Felton, Los Gatos, Milpitas, Santa Cruz and Scotts Valley. After NCEDC. Moment Tensor Solution. $M_0$2.30000×10^{14}
NEIC V 01 15 39 25.3 35.03N 119.31W 18 3.5W ¶14642606
NEIC Event type se. After PAS. Moment Tensor Solution. $M_0$1.90000×10^{14}
ISC VI 08 22 15 03.9–1.3 37.85N–.03 122.00W–.03 2–11 44 0-17
ISCJB VI 08 22 15 03.2–.63 37.85N–.03 121.92W–.03 6–5 ¶12952882
IDC VI 08 22 15 04.5–1.9 38.17N 122.16W 0 3.4L,3.3
NEIC VI 08 22 15 04.5 37.82N 121.97W 9 3.5W,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=36.6.
IDC Error ellipse: s-maj=22.0km s-min=12.9km az=54.0.
NEIC Event type fe. Felt [V] at Diablo; [IV] at Danville; [III] at Alamo and San Ramon; [II] at Alameda, Clayton, Concord, Dublin, Lafayette, Martinez, Oakland, Pleasant Hill, Pleasanton, San Francisco and Walnut Creek. Also felt at Antioch, Berkeley, Crockett, Discovery Bay, Emeryville, Fremont, Hayward, Livermore, Newark, Oakley, Orinda, Pacifica, Pinole, Pittsburg, Richmond, San Jose, San Mateo, Santa Clara, South San Francisco, Stockton and Sunol. After NCEDC. Moment Tensor Solution. $M_0$2.30000×10^{14}
ISC VI 20 12 32 48.7–1.3 35.72N–.04 120.90W–.04 8–7 4.3b,3.8s 134 1-151
BJI VI 20 12 32 46.0 35.60N 120.90W 6 5.2b,4.8s ¶13201593
IDC VI 20 12 32 47.6–.63 35.55N 120.77W 0 4.2,4.2b
NEIC VI 20 12 32 48.0 35.64N 120.95W 6 4.4W,4.4W
ISC Event type fe.
IDC Error ellipse: s-maj=11.6km s-min=10.2km az=65.0.
NEIC Event type fe. Felt [IV] at Bradley and Templeton and [III] at Atascadero, Cambria, Cayucos, Morro Bay, Paso Robles, San Miguel and Santa Margarita. Felt from Salinas to Lompoc and as far northeast as Hanford. Also felt at Bakersfield and Santa Cruz. After NCEDC. Moment Tensor Solution. $M_0$4.70000×10^{15} Moment Tensor Solution. $M_0$5.20000×10^{15}

(40) California-Nevada border region.

ISC I 07 06 37 30.4–.73 38.45N–.02 119.33W–.03 10 37 1-31
NEIC I 07 06 37 29.6 38.46N 119.32W 0 3.1L ¶12080610
IDC I 07 06 37 30.5–1.9 38.41N 119.29W 0 3.4,3.3
ISCJB I 07 06 37 31.1–.30 38.47N–.02 119.36W–.03 10 3.0b,3.3
ISC Event type se.
NEIC Event type se. After NCEDC.
ISCJB Event type se.
ISC II 08 13 57 32.5–.99 36.03N–.02 117.76W–.02 9–10 48 0-5
NEIC II 08 13 57 33.0 36.02N 117.78W 2 3.1L ¶11667438
ISC Event type se.
NEIC Event type se. After PAS.
ISC III 13 18 57 15.9–.92 36.01N–.02 117.28W–.02 10–8 70 0-5
NEIC III 13 18 57 16.1 35.99N 117.31W 2 3.2L ¶11882796
ISC Event type se.
NEIC Event type se. After PAS.

ISC IV 02 08 13 44.6–.94 37.52N–.03 118.87W–.03 9–8 38 0-5
ISCJB IV 02 08 13 45.0–.71 37.54N–.03 118.88W–.05 6–7 ¶14413453
NEIC IV 02 08 13 45.0 37.52N 118.86W 8 3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=149.2.
NEIC Event type se. After NCEDC.
ISC IV 14 12 43 45.4–.90 37.60N–.02 118.63W–.02 13–7 46 0-5
ISCJB IV 14 12 43 44.7–.56 37.63N–.02 118.60W–.03 5–5 ¶14413584
NEIC IV 14 12 43 45.5 37.59N 118.63W 13 3.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.8km az=177.6.
NEIC Event type se. After NCEDC.
ISC V 23 22 58 35.1–.46 36.31N–.02 117.86W–.02 8–3 4.1b,3.9s 165 1-116
NEIC V 23 22 58 32.9 36.40N 117.84W 1 4.6W,4.3b ¶12861527
BJI V 23 22 58 32.0 36.40N 117.80W 10 5.1b,4.8s
IDC V 23 22 58 34.4–.62 36.33N 117.61W 0 4.1,3.9
ISC Event type fe.
NEIC Event type fe. Felt [II] at Lone Pine and Trona. Also felt at Bakersfield, North Fork, Ridgecrest, Shaver Lake and Visalia. After PAS. Moment Tensor Solution. $M_0$9.30000×10^{15}
IDC Error ellipse: s-maj=12.8km s-min=7.9km az=79.0.
NEIC VI 10 20 35 31.0 36.41N 117.85W 4 3.6L ¶14931387
NEIC Event type se. After PAS.

(43) Southern California.

ISC I 09 03 49 45.8–.52 34.04N–.02 117.33W–.01 12–3 4.3b,4.0s 377 0-100
IDC I 09 03 49 44.3–1.6 34.03N 117.28W 0 4.4,4.2b ¶11534433
BJI I 09 03 49 46.3 34.68N 118.16W 9 5.3b,5.2s
NEIC I 09 03 49 46.3 34.11N 117.30W 14 4.5W,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=27.6km s-min=13.5km az=48.0.
NEIC Event type fe. Felt [IV] at Bloomington, Cedarpines Park, Colton, Fontana, Grand Terrace, Highland, Loma Linda, Rialto, Riverside and San Bernardino; [III] at Adelanto, Angelus Oaks, Apple Valley, Banning, Big Bear Lake, Calimesa, Cedar Glen, Claremont, Compton, Corona, Covina, Crestline, Glendale, Hemet, Hesperia, Homeland, Huntington Park, Idyllwild, Indian Wells, La Verne, Lake Arrowhead, Lake Elsinore, Los Angeles, Lynwood, Lytle Creek, March Air Base, Menifee, Mentone, Midway, Mira Loma, Moreno Valley, Mount Baldy, Murrieta, Norco, Nuevo, Ontario, Palm Desert, Palmdale, Perris, Phelan, Pomona, Rancho Cucamonga, Redlands, Rimforest, Running Springs, San Dimas, San Jacinto, Sun City, Twin Peaks, Upland, Victorville, Wildomar, Winchester and Yucaipa. Felt in much of Southern California from Santa Barbara to Desert Center and from Trona to Imperial Beach and Calexico. Also felt at Tijuana, Baja California. After PAS. Moment Tensor Solution. $M_0$6.00000×10^{15}
ISC I 11 01 05 59.8–.84 34.30N–.02 116.91W–.02 7–6 83 0-7
NEIC I 11 01 06 00.1 34.31N 116.92W 7 3.6L ¶13989100
ISC Event type fe.
NEIC Event type fe. Felt [IV] at San Bernardino, [III] at Lucerne Valley and [II] at Apple Valley, Big Bear City, Big Bear Lake, Fawnskin, Highland, Lake Arrowhead, Riverside, Running Springs and Victorville. Also felt at Angelus Oaks, Colton, Crestline, Desert Hot Springs, Hesperia, Loma Linda, Mentone, Pomona, Rancho Cucamonga, Redlands, Sugarloaf, Twin Peaks and Yucaipa. After PAS.
ISC I 22 20 46 57.5–.95 34.20N–.02 118.56W–.02 19–2 45 0-4
ISCJB I 22 20 46 57.7–.30 34.20N–.02 118.56W–.02 23–3 ¶13989197
NEIC I 22 20 46 58.3 34.20N 118.56W 18 3.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.1km az=35.8.
NEIC Event type fe. Felt [III] at Los Angeles, Marina del Rey, Santa Monica, Sherman Oaks, Studio City and Tarzana. Felt [II] in the San Fernando Valley and in the western part of the Los Angeles Basin. After PAS.
ISC III 21 11 24 45.6–.96 33.25N–.01 116.44W–.02 9–8 92 0-8
ISCJB III 21 11 24 44.9–.35 33.25N–.01 116.43W–.02 3–3 ¶12053738
NEIC III 21 11 24 45.0 33.25N 116.45W 3 3.3L
ECX III 21 11 24 46.7–.68 33.25N 116.45W 4 3.4L,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.2km az=165.2.
NEIC Event type fe. Felt [III] at Borrego Springs and [II] at Desert Hot Springs and Escondido. Also felt at Carlsbad, Fallbrook, Indio, Riverside, San Diego, San Marcos, Trabuco Canyon and Vista. After PAS.
ECX Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0.
ISC III 21 20 12 18.4–.94 33.29N–.02 115.77W–.02 10–8 62 0-3
ISCJB III 21 20 12 17.8–.35 33.32N–.01 115.76W–.02 4–3 ¶14269741
NEIC III 21 20 12 19.0 33.31N 115.73W 5 3.1L
ECX III 21 20 12 19.4–.73 33.31N 115.76W 9 3.3L,3.1
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=23.7.
NEIC Event type fe. Felt at Bombay Beach and in the Salton Sea area. After PAS.
ECX Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0.
NEIC III 21 20 16 19.0 33.31N 115.73W 5 2.8L ¶16388291
NEIC Event type se. After PAS.
ISC III 21 20 17 02.4–.89 33.29N–.02 115.74W–.02 15–8 53 0-4
ISCJB III 21 20 17 02.2–.38 33.29N–.02 115.72W–.02 5–3 ¶14269742
ECX III 21 20 17 03.6–.79 33.32N 115.76W 10 3.4L,3.3
NEIC III 21 20 17 03.2 33.32N 115.73W 5 3.3L,3.3
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=40.2.
ECX Error ellipse: s-maj=1.9km s-min=2.8km az=-1.0.
NEIC Event type fe. Felt at Bombay Beach and in the Salton Sea area. After PAS.
ISC III 21 20 40 05.4–.94 33.30N–.02 115.75W–.02 10–8 56 0-4
ISCJB III 21 20 40 05.0–.37 33.28N–.02 115.74W–.02 2–3 ¶14269745
ECX III 21 20 40 05.8–.71 33.34N 115.76W 16–3 3.3L,3.1
NEIC III 21 20 40 06.2 33.32N 115.73W 5 3.1L,3.1
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.6km az=23.4.
ECX Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0.
NEIC Event type fe. Felt at Bombay Beach and in the Salton Sea area. After PAS.
ISC III 23 08 06 33.6–.97 33.29N–.02 115.77W–.03 12–9 31 0-3
ISCJB III 23 08 06 32.5–.42 33.32N–.02 115.78W–.03 7–5 ¶14269751
NEIC III 23 08 06 33.8 33.31N 115.74W 5 2.9L
ECX III 23 08 06 34.2–.70 33.31N 115.74W 6 3.2L,3.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=178.6.
NEIC Event type fe. Felt at Bombay Beach and in the Salton Sea area. After PAS.
ECX Error ellipse: s-maj=1.6km s-min=2.6km az=-1.0.
ISC III 24 11 55 43.6–.85 33.29N–.01 115.73W–.02 9–5 4.3b,4.2s 267 0-119
ISCJB III 24 11 55 41.9–.32 33.32N–.01 115.68W–.01 10–2 4.2b,4.2s ¶12057583
BJI III 24 11 55 43.0 33.30N 115.70W 15 5.4b,5.1s
NEIC III 24 11 55 43.0 33.32N 115.73W 6 4.8W,4.7W
ECX III 24 11 55 44.0–.81 33.31N 115.73W 15 4.9L,4.9W
IDC III 24 11 55 45.6–1.2 33.34N 115.38W 0 4.2,4.2s
GCMT III 24 11 55 46.2–.30 33.31N 115.66W 12 5.0W,4.2s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.7km az=0.4.
NEIC Event type fe. Felt [IV] at Niland; [III] at Mecca and Salton City; [II] at Alpine, Blythe, Borrego Springs, Carlsbad, Cathedral City, Chula Vista, El Cajon, Escondido, Hemet, Idyllwild, Imperial Beach, Indio, La Quinta, Lakeside, Oceanside, Palm Desert, Palm Springs, Poway, Ramona, Rancho Mirage, San Diego and Santee. Felt in much of Imperial, San Diego and Riverside Counties. Felt [II] at Parker, Arizona. Also felt at Ehrenberg, Lake Havasu City, Quartzsite and Yuma. After PAS. Moment Tensor Solution. $M_0$1.90000×10^{16} Moment Tensor Solution. $M_0$1.20000×10^{16}
ECX Error ellipse: s-maj=1.4km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=12.9km az=41.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s16,c21; s78,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.52±.11 $M_{\theta\theta}$-2.12±.10; $M_{\phi\phi}$2.64±.08; $M_{r\theta}$-0.20±.30; $M_{\theta\phi}$1.46±.10; $M_{\theta r}$-2.32±.27; Best double couple: NP1:ϕ_s246.00000°,δ57.00000°,λ6.00000°. NP2:ϕ_s153.00000°,δ85.00000°,λ147.00000°. Principal axes: T 4.1700,Plg26.0000° ,Azm104.0000°; N -1.4900,Plg57.0000°,Azm325.0000°; P -2.6800,Plg19.0000° ,Azm204.0000° $M_0$3.40000×10^{16}
ISC III 24 23 43 14.3–.97 33.28N–.02 115.76W–.02 10–8 83 0-4
ISCJB III 24 23 43 14.0–.38 33.27N–.01 115.74W–.02 2–3 ¶12084358
ECX III 24 23 43 15.0–.70 33.31N 115.76W 15 3.3L,3.1

NEIC III 24 23 43 15.3 33.31N 115.75W 6 3.2L,3.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.2km az=39.9.
ECX Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0.
NEIC Event type fe. Felt at Blythe, Bombay Beach, Cathedral City, Desert Center, El Cajon, Escondido, Indio, Lakeside, Palm Springs, Rancho Mirage, Salton City and San Diego. Also felt at Ehrenberg, Arizona. After PAS.
ISC III 25 05 50 54.7–.99 33.25N–.03 115.73W–.03 12–9 36 0-12
ISCJB III 25 05 50 54.7–.54 33.24N–.03 115.73W–.04 1–5 **¶14269759**
ECX III 25 05 50 55.8–.69 33.29N 115.71W 15 3.2L,3.0
NEIC III 25 05 50 55.8 33.29N 115.72W 5 3.0L,3.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.2km az=175.2.
ECX Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0.
NEIC Event type fe. Felt at Bombay Beach and in the Salton Sea area. After PAS.
ISC III 25 07 51 21.9–1.0 33.24N–.02 115.73W–.02 12–9 79 0-8
ISCJB III 25 07 51 22.0–.38 33.26N–.02 115.73W–.02 9–3 **¶14269761**
ECX III 25 07 51 23.3–.77 33.28N 115.74W 15–4 3.7L,3.6
NEIC III 25 07 51 23.0 33.29N 115.72W 4 3.6W,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.4km az=155.3.
ECX Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0.
NEIC Event type fe. Felt at Palm Springs. After PAS. Moment Tensor Solution. $M_0$3.20000×10^{14}
ISC III 25 19 59 42.9–1.0 33.26N–.02 115.74W–.02 10–9 83 0-7
ISCJB III 25 19 59 43.0–.38 33.27N–.01 115.73W–.02 8–3 **¶14269767**
ECX III 25 19 59 44.6–.62 33.27N 115.75W 15 3.8L,3.6
NEIC III 25 19 59 44.1 33.29N 115.72W 6 3.7L,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.4km az=27.7.
ECX Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0.
NEIC Event type fe. Felt at Aliso Viejo, Bombay Beach, Cathedral City, Chula Vista, Corona, Fallbrook, Indio, La Quinta, Rancho Mirage, San Diego and San Jacinto. After PAS.
ISC III 26 03 25 20.8–.98 33.28N–.02 115.71W–.01 9–8 135 0-15
ISCJB III 26 03 25 19.9–.30 33.28N–.01 115.70W–.02 6–2 **¶12061008**
NEIC III 26 03 25 21.2 33.29N 115.72W 7 3.9W
ECX III 26 03 25 22.1–.69 33.29N 115.74W 15 4.1L,4.0
IDC III 26 03 25 26.9–2.3 33.46N 115.05W 0 3.8,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=42.6.
NEIC Event type fe. Felt [II] at Blythe and Salton City. Also felt at Desert Center, Desert Hot Springs, Fallbrook, Indian Wells, Indio, Mecca, Niland, Palm Desert, Palm Springs and San Diego. Felt at Cibola, Ehrenberg and San Luis, Arizona. After PAS. Moment Tensor Solution. $M_0$9.20000×10^{14}
ECX Error ellipse: s-maj=1.4km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=37.6km s-min=12.1km az=44.0.
ISC III 26 05 12 32.6–1.1 33.25N–.02 115.74W–.03 8–10 32 0-3
NEIC III 26 05 12 33.4 33.29N 115.72W 7 3.0L **¶14269770**
ECX III 26 05 12 33.1–.64 33.29N 115.73W 9 3.2L,3.0
ISC Event type se.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=1.6km s-min=2.7km az=-1.0.
ISC III 27 13 15 06.7–1.1 33.32N–.03 115.75W–.04 6–11 21 0-6
ECX III 27 13 15 07.7–.69 33.29N 115.69W 4 2.9L **¶14269780**
NEIC III 27 13 15 17.6–.85 33.03N 116.63W 10 2.8L
ISC Event type fe.
ECX Error ellipse: s-maj=1.3km s-min=2.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=16.7km s-min=9.4km az=95.0. Felt at Bombay Beach.
ISC III 30 21 28 03.2–.93 33.21N–.02 116.78W–.02 13–8 58 0-3
ISCJB III 30 21 28 03.3–.39 33.22N–.01 116.77W–.02 9–3 **¶12083387**
ECX III 30 21 28 03.9–.68 33.25N 116.76W 14 3.1L,2.9
NEIC III 30 21 28 04.2 33.23N 116.76W 6 2.9L,2.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.4km az=163.2.
ECX Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0.
NEIC Event type fe. Felt [II] at Ramona and Valley Center. Also felt at Desert Hot Springs, El Cajon, Oceanside, Placentia, Poway, San Diego, Santa Ysabel and Warner Springs. After PAS.
ISC IV 08 22 04 01.7–.98 33.29N–.02 115.71W–.03 9–8 51 0-5
ISCJB IV 08 22 04 01.4–.45 33.32N–.02 115.74W–.03 1–4 **¶14413538**
ECX IV 08 22 04 02.9–.43 33.32N 115.72W 4 3.6L,3.5
NEIC IV 08 22 04 02.4 33.32N 115.72W 4 3.8W,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=28.0.
ECX Error ellipse: s-maj=0.9km s-min=2.1km az=-1.0.
NEIC Event type se. After PAS. Moment Tensor Solution. $M_0$6.10000×10^{14}
ISC IV 09 21 45 29.9–.90 33.15N–.02 116.53W–.02 16–8 45 0-8
ISCJB IV 09 21 45 29.7–.46 33.14N–.03 116.54W–.03 12–5 **¶14413549**
NEIC IV 09 21 45 30.7 33.16N 116.56W 14 3.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.7km az=172.6.
NEIC Event type fe. Felt [III] at Borrego Springs, El Cajon, Julian, Ramona, Ranchita and San Diego; Felt [II] at Alpine, Escondido, Lakeside, Poway, Santa Ysabel, Santee and Valley Center. Also felt at Descanso, Fallbrook, Hemet, Irvine, La Mesa, Murrieta, Pauma Valley, Pine Valley, Rancho Santa Fe, San Jacinto, San Marcos, Sun City, Vista, Warner Springs and Winchester. After PAS.
ISC IV 16 17 55 30.6–.99 33.25N–.02 116.42W–.02 8–9 62 0-15
ISCJB IV 16 17 55 30.2–.38 33.25N–.02 116.43W–.02 7–3 **¶12601067**
NEIC IV 16 17 55 31.1 33.25N 116.44W 4 3.9L
ECX IV 16 17 55 31.5–.69 33.25N 116.44W 4 4.0W,4.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=151.9.
NEIC Event type fe. Felt [IV] at Borrego Springs, [III] at Ranchita and San Diego and [II] at Escondido, Julian, Ramona and Temecula. Also felt at Aguanga, Anaheim, Buena Park, Coronado, Fallbrook, Hemet, Huntington Beach, Indio, La Jolla, Long Beach, Los Alamitos, Orange, Pine Valley, Riverside, San Marcos, Santa Ana, Valley Center, Warner Springs and Winchester. After PAS.
ECX Error ellipse: s-maj=1.0km s-min=1.6km az=-1.0.
ISC IV 16 18 16 11.9–1.1 33.25N–.02 116.44W–.04 3–11 29 0-3
ISCJB IV 16 18 16 11.3–.52 33.25N–.03 116.43W–.05 5–4 **¶14413613**
NEIC IV 16 18 16 12.1 33.25N 116.45W 3 2.8L
ECX IV 16 18 16 12.2–.68 33.27N 116.42W 4 2.9L,2.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.5km az=158.3.
NEIC Event type fe. Felt at Borrego Springs and Ranchita. After PAS.
ECX Error ellipse: s-maj=1.4km s-min=2.8km az=-1.0.
NEIC IV 17 04 57 01.5 33.20N 115.64W 5 3.8L
¶14413619
NEIC Event type fe. Felt in the Obsidian Butte area. After PAS.
ISC IV 23 23 56 22.3–1.1 33.88N–.02 117.80W–.02 2–9 75 0-36
ISCJB IV 23 23 56 21.6–.45 33.86N–.02 117.81W–.02 4–3 3.1b **¶12935991**
NEIC IV 23 23 56 23.1 33.89N 117.79W 5 3.6W
IDC IV 23 23 56 24.9–2.1 33.89N 117.58W 6–12 3.4,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=40.2.
NEIC Event type fe. Felt [V] at Yorba Linda; [IV] at Anaheim, Brea and Placentia; [III] at Fullerton, Los Angeles, Orange, Santa Ana and Villa Park. Felt from Glendora to Aliso Viejo and as far east as Riverside. After PAS. Moment Tensor Solution. $M_0$2.70000×10^{14}
IDC Error ellipse: s-maj=21.8km s-min=8.6km az=50.0.
ISC IV 24 03 27 50.8–.63 33.87N–.02 117.78W–.02 10 3.3b 121 0-36
ISCJB IV 24 03 27 50.0–.24 33.88N–.02 117.80W–.02 10 3.4s,3.3b **¶12936108**
NEIC IV 24 03 27 50.7 33.89N 117.79W 4 3.8W,3.3b
IDC IV 24 03 27 52.1–1.8 33.85N 117.58W 0 3.6,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=35.5.
NEIC Event type fe. Felt [V] at Brea and Yorba Linda; [IV] at Anaheim and Placentia; [III] at Chino Hills, Corona, Diamond Bar, Fullerton, Garden Grove, La Habra, Orange, Rowland Heights, Santa Ana, Seal Beach and Villa Park. Felt from Glendora to San Clemente and as far east as San Jacinto. Also felt in parts of San Diego and Ventura Counties. After PAS. Moment Tensor Solution. $M_0$5.90000×10^{14}
IDC Error ellipse: s-maj=25.4km s-min=8.0km az=44.0.
ISC IV 26 05 10 26.5–.98 34.49N–.02 116.21W–.02 11–9 55 0-5
NEIC IV 26 05 10 27.2 34.49N 116.24W 6 3.1L **¶12749982**
ISC Event type se.
NEIC Event type se. After PAS.
ISC V 02 01 11 12.3–.69 33.99N–.03 118.90W–.02 16–4 3.9b,3.3s 196 0-99
BJI V 02 01 11 10.7 34.10N 118.90W 14 4.7b,4.7 **¶12747048**
IDC V 02 01 11 11.3–1.4 33.99N 118.86W 0 3.8,3.8b
ISCJB V 02 01 11 12.0–.41 34.05N–.02 118.89W–.02 15–2 3.9b,3.7s
NEIC V 02 01 11 13.7 34.07N 118.88W 14 4.3b,4.1W
ISC Event type de.
IDC Error ellipse: s-maj=21.6km s-min=8.7km az=43.0.
ISCJB Event type de. Error ellipse: s-maj=4.1km s-min=2.5km az=136.2.
NEIC Event type de. One person injured in the Los Angeles area. Felt [IV] at Westlake Village; [III] at Agoura Hills, Avalon, Bell, Burbank, Calabasas, Camarillo, Chino Hills, Compton, Culver City, Encino, Garden Grove, Gardena, Hermosa Beach, Inglewood, Irvine, Malibu, Marina del Rey, Moorpark, Newbury Park, Northridge, Oak Park, Pacific Palisades, Panorama City, Paramount, Playa del Rey, Reseda, Santa Monica, Sherman Oaks, Simi Valley, Tarzana, Thousand Oaks, Tustin, Valley Village, Van Nuys, Whittier and Woodland Hills; [II] throughout Los Angeles and Orange Counties, in much of Ventura County and in western Riverside and San Bernardino Counties. Felt as far as Lompoc, Palm Springs and San Diego. After PAS. Moment Tensor Solution. $M_0$1.70000×10^{15}
ISC V 08 20 27 16.0–1.3 34.55N–.06 118.82W–.07 14–6 4.1b,3.2s 49 0-98
BJI V 08 20 27 10.0 34.40N 119.20W 6 4.7b,4.4 **¶12788512**
NEIC V 08 20 27 13.9 34.44N 119.18W 8 4.1b,4.1W
IDC V 08 20 27 13.8–1.4 34.47N 119.03W 0 3.9b,3.9
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Ojai; [III] at Camarillo, Santa Paula and Ventura; [II] at Agoura Hills, Calabasas, Fillmore, Los Angeles, Moorpark, Newbury Park, Oak View, Oxnard, Port Hueneme, Santa Monica, Simi Valley, Thousand Oaks, Westlake Village and Woodland Hills. Felt widely in the Frazier Park-Lancaster-Los Angeles area. After PAS. Moment Tensor Solution. $M_0$1.70000×10^{15}
IDC Error ellipse: s-maj=19.3km s-min=8.9km az=55.0.
ISC V 18 03 39 35.4–1.5 33.89N–.04 118.31W–.04 7–8 4.7b,4.0s 192 0-149
ISCJB V 18 03 39 33.6–.35 33.79N–.03 118.42W–.03 10 4.6b,4.0s **¶13439679**
IDC V 18 03 39 34.8–.62 33.83N 118.31W 0 4.4,4.3
BJI V 18 03 39 35.0 33.90N 118.30W 13 5.2b,5.1s
NEIC V 18 03 39 36.3 33.94N 118.34W 14 5.0b,4.7W
ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=4.8km s-min=3.2km az=40.1.
IDC Error ellipse: s-maj=10.8km s-min=7.6km az=56.0.
NEIC Event type de. Some windows broken at Lennox and Long Beach. Felt [V] at Bell, Bellflower, Carson, Compton, Downey, Gardena, Harbor City, Hawaiian Gardens, Huntington Park, Inglewood, Lakewood, Lawndale, Lomita, Long Beach, Los Angeles, Maywood, Paramount, Redondo Beach, Seal Beach, Signal Hill, South Gate, Sunset Beach, Torrance and Wilmington and [IV] in much of Los Angeles and Orange Counties. Felt as far as Bishop, the San Diego area, and in parts of the San Francisco Bay area. Also felt at North Las Vegas, Nevada and at Bullhead City and Phoenix, Arizona. Felt [III] at Rosarito and [II] at Tijuana, Baja California, Mexico. After PAS. Moment Tensor Solution. $M_0$1.20000×10^{16}
ISC V 19 22 49 11.3–1.4 33.94N–.04 118.32W–.04 7–9 77 0-35
IDC V 19 22 49 08.4–1.7 33.77N 118.43W 0 3.6,3.5 **¶12842736**
ISCJB V 19 22 49 10.3–.73 33.96N–.03 118.28W–.03 15–3 3.0b,2.9s
NEIC V 19 22 49 11.4 33.93N 118.34W 15 3.8W,2.9s
ISC Event type fe.
IDC Error ellipse: s-maj=24.4km s-min=9.7km az=40.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.5km az=40.3.
NEIC Event type fe. Felt [IV] at Gardena, Hawthorne, Inglewood, Los Angeles, Manhattan Beach, Maywood, Newport Coast and Redondo Beach and [III] throughout the western part of the Los Angeles Basin. Felt from Oxnard to San Bernardino and as far south as San Diego. After PAS. Moment Tensor Solution. $M_0$6.80000×10^{14}

(45) California-Baja California border region.

ISC I 09 12 43 57.5–1.0 32.54N–.02 115.26W–.02 13–8 73 0-7
ISCJB I 09 12 43 57.7–.33 32.54N–.02 115.25W–.02 25–3 **¶13989077**
NEIC I 09 12 43 58.6 32.56N 115.25W 17 3.7L,3.3L
ECX I 09 12 43 58.6–.69 32.56N 115.25W 17–2 3.6L,3.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=163.5.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.5km s-min=1.8km az=-1.0.
ISC I 09 12 44 57.8–.97 32.60N–.03 115.28W–.03 16–8 28 0-4
ISCJB I 09 12 44 58.1–.44 32.57N–.03 115.24W–.03 21–4 **¶13989076**
ECX I 09 12 44 58.1–.52 32.61N 115.22W 16 3.6L,3.5
NEIC I 09 12 44 58.7 32.56N 115.25W 10 3.6L,3.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.7km az=163.5.
ECX Error ellipse: s-maj=2.9km s-min=3.1km az=-1.0.
NEIC Event type se. After PAS.
ISC I 09 12 55 05.8–.99 32.54N–.03 115.27W–.03 14–7 38 0-6
ISCJB I 09 12 55 05.5–.47 32.61N–.03 115.29W–.03 13–3 **¶13989075**
NEIC I 09 12 55 06.1 32.54N 115.25W 10 3.6L,3.0L
ECX I 09 12 55 06.3–.78 32.56N 115.24W 18–4 3.6L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.2km az=142.2.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0.
ISC I 16 13 49 38.1–.98 32.14N–.02 115.67W–.03 12–8 58 0-7
ISCJB I 16 13 49 38.1–.67 32.14N–.02 115.65W–.02 12–5 **¶13989138**
NEIC I 16 13 49 39.3 32.10N 115.77W 16 3.5L,3.3L
ECX I 16 13 49 39.7–.72 32.14N 115.70W 6 3.5L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.4km az=177.2.
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0.
ISC I 19 05 48 37.3–1.3 32.39N–.04 117.66W–.04 4–12 35 1-3
ISCJB I 19 05 48 37.9–1.1 32.43N–.03 117.71W–.04 5–7 **¶13989171**
ECX I 19 05 48 40.2–.64 32.42N 117.75W 20 3.2L,3.1
NEIC I 19 05 48 40.2 32.44N 117.70W 33 3.2L,3.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.6km az=41.2.
ECX Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0.
NEIC Event type fe. Felt [II] at El Cajon, La Jolla, La Mesa, San Diego and Spring Valley, California. Also felt at Chula Vista, Coronado, Encinitas, Lakeside and Santee. After PAS.
ISC I 23 17 44 42.8–.76 32.14N–.02 115.75W–.02 14–7 66 0-8
ISCJB I 23 17 44 42.3–.44 32.11N–.02 115.66W–.02 21–5 **¶11616523**
NEIC I 23 17 44 43.8 32.14N 115.73W 5 3.9L,3.8W
ECX I 23 17 44 43.8–.78 32.14N 115.73W 5 3.8L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.4km az=179.8.
NEIC Event type se. After ECX. Moment Tensor Solution. $M_0$6.30000×10^{14}
ECX Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.
ISC I 24 05 19 05.9–1.0 32.11N–.02 115.72W–.02 9–9 52 0-8
ISCJB I 24 05 19 05.6–.91 32.12N–.02 115.68W–.02 15–7 **¶13989224**
NEIC I 24 05 19 06.7 32.10N 115.71W 4 3.7L,3.6L
ECX I 24 05 19 06.7–.88 32.10N 115.71W 4 3.7L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.1km az=161.5.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0.
ISC I 24 07 58 38.4–.97 32.12N–.02 115.68W–.02 11–8 59 0-8
ISCJB I 24 07 58 38.2–.45 32.11N–.02 115.65W–.02 11–3 **¶13989223**
NEIC I 24 07 58 40.2 32.12N 115.71W 6 3.8L,3.6L
ECX I 24 07 58 40.2–.73 32.12N 115.71W 6 3.8L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.0km az=179.8.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.4km s-min=2.0km az=-1.0.
ISC I 28 06 36 39.1–1.2 32.14N–.02 115.70W–.03 0–12 54 0-14
ISCJB I 28 06 36 39.2–.49 32.15N–.02 115.69W–.02 7–4 **¶13989263**
ECX I 28 06 36 41.0–.65 32.14N 115.72W 5 3.6L,3.5
NEIC I 28 06 36 41.0 32.14N 115.72W 5 3.6L,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.2km az=153.2.

ECX Error ellipse: s-maj=1.2km s-min=1.5km az=-1.0.
NEIC Event type se. After ECX.
ISC I 29 01 48 00.6–1.2 32.09N–.02 115.70W–.02 0–12 54 0-6
ISCJB I 29 01 48 00.3–.42 32.11N–.02 115.69W–.02 9–3 **¶13989274**
NEIC I 29 01 48 02.1 32.11N 115.71W 5 3.6L,3.5L
ECX I 29 01 48 02.1–.63 32.11N 115.71W 5 3.6L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=3.1km az=23.0.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
ISC II 09 21 10 42.6–.89 32.64N–.02 115.59W–.02 16–7 98 0-9
ISCJB II 09 21 10 42.5–.27 32.65N–.02 115.55W–.02 25–2 **¶11667482**
ECX II 09 21 10 44.2–.62 32.65N 115.61W 8 4.0L,3.9
NEIC II 09 21 10 44.2 32.65N 115.61W 8 4.0L,3.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=2.9.
ECX Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
NEIC Event type fe. Felt [III] at Mexicali. Also felt at Tijuana. Felt [III] at Calexico, El Centro, Heber, Holtville and Imperial, California. Also felt at Brawley and San Diego. After ECX.
ISC II 09 21 53 58.4–.83 32.63N–.02 115.60W–.02 16–6 110 0-9
ISCJB II 09 21 53 58.2–.27 32.63N–.02 115.56W–.02 24–3 **¶11667486**
ECX II 09 21 53 59.8–.61 32.64N 115.62W 7 4.0L,3.8
NEIC II 09 21 53 59.8 32.64N 115.62W 7 4.0L,3.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=178.5.
ECX Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0.
NEIC Event type fe. Felt at Mexicali. Also felt at Calexico and El Centro, California. After ECX.
ISC II 19 16 24 37.6–.95 32.30N–.03 115.25W–.02 11–7 59 0-8
ISCJB II 19 16 24 38.0–.49 32.34N–.02 115.24W–.03 12–3 **¶14189702**
NEIC II 19 16 24 39.3 32.33N 115.27W 3 3.8L,3.5L
ECX II 19 16 24 39.5–.76 32.32N 115.28W 3 3.8L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.4km az=138.0.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0. Moment Tensor Solution. NP1:ϕ_s20.00000°,δ90.00000°,λ0.00000°.
ISC III 09 15 27 03.5–.99 32.38N–.02 115.24W–.03 16–9 35 0-4
ISCJB III 09 15 27 03.1–.55 32.40N–.02 115.24W–.03 7–5 **¶11788852**
NEIC III 09 15 27 05.0 32.37N 115.24W 8 3.3L,3.2L
ECX III 09 15 27 05.0–.63 32.37N 115.24W 8 3.3L,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.0km az=178.4.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0.
ISC IV 12 03 19 24.6–.42 32.36N–.02 115.22W–.02 10 3.9b 143 0-92
ISCJB IV 12 03 19 22.8–.26 32.36N–.02 115.21W–.02 10 3.9b,3.1s **¶12582055**
NEIC IV 12 03 19 24.4 32.35N 115.23W 0 4.4L,4.0b
IDC IV 12 03 19 24.6–1.5 32.36N 114.99W 0 4.0,3.9b
ECX IV 12 03 19 24.8–.65 32.36N 115.25W 4 4.6W,4.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=177.4.
NEIC Event type fe. Felt [II] at Mexicali. Also felt at Guadalupe Victoria. Felt [III] at El Centro and [II] at Imperial, California. Also felt at Brawley, Calexico and in parts of San Diego County. Felt [II] at Yuma, Arizona. Also felt at Somerton. After ECX. Moment Tensor Solution. $M_0$1.10000×10^{15}
IDC Error ellipse: s-maj=30.7km s-min=13.5km az=41.0.
ECX Error ellipse: s-maj=1.5km s-min=2.3km az=-1.0. Moment Tensor Solution. NP1: ϕ_s110.00000°,δ90.00000°,λ0.00000°.
ISC IV 12 09 41 28.7–.86 32.13N–.02 115.71W–.02 16–5 3.4b,3.1s 106 0-101
ISCJB IV 12 09 41 27.5–.50 32.13N–.02 115.67W–.02 10–4 3.4b,3.2s **¶12582073**
IDC IV 12 09 41 29.1–2.5 32.19N 115.47W 0 3.7,3.6
ECX IV 12 09 41 29.1–.76 32.13N 115.70W 5 4.4L,4.3
NEIC IV 12 09 41 29.1 32.13N 115.70W 5 4.4L,4.3W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.9km az=171.0.
IDC Error ellipse: s-maj=42.9km s-min=11.8km az=37.0.
ECX Error ellipse: s-maj=1.5km s-min=2.1km az=-1.0.
NEIC Event type fe. Felt [II] at Mexicali. Also felt at Ensenada. Felt at Chula Vista, Desert Hot Springs, El Centro, Escondido, Jamul, Poway and Spring Valley, California. After ECX. Moment Tensor Solution. $M_0$3.10000×10^{15}
ISC IV 26 20 19 28.7–.99 32.16N–.03 115.69W–.03 13–9 54 0-6
ISCJB IV 26 20 19 28.5–.59 32.15N–.03 115.68W–.03 10–4 **¶14472065**
NEIC IV 26 20 19 30.5 32.14N 115.71W 6 3.4L,3.2L
ECX IV 26 20 19 30.5–.65 32.14N 115.71W 6 3.4L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.0km az=142.2.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.7km s-min=2.6km az=-1.0.
ECX V 21 02 41 56.8–.74 32.10N 115.71W 6 3.2L,3.1
NEIC V 21 02 41 56.8 32.10N 115.71W 6 3.3L,3.2L **¶14646756**
ECX Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0.
NEIC Event type se. After ECX.
ECX VI 10 22 05 42.3–.62 32.06N 115.49W 6 3.7L,3.6
NEIC VI 10 22 05 42.3 32.06N 115.49W 6 3.7L,3.5L **¶13196110**
ECX Error ellipse: s-maj=1.4km s-min=2.0km az=-1.0.
NEIC Event type fe. Felt at El Centro, California. After ECX.
ISC VI 13 22 37 05.9–1.0 32.03N–.02 115.48W–.02 4–10 49 0-9
ISCJB VI 13 22 37 05.7–.47 32.05N–.02 115.47W–.03 8–4 **¶14931446**
ECX VI 13 22 37 07.5–.70 32.05N 115.49W 5 3.7L,3.6
NEIC VI 13 22 37 07.5 32.05N 115.49W 5 3.7L,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.7km az=174.9.
ECX Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0.
NEIC Event type se. After ECX.
ISC VI 14 03 01 16.0–1.1 32.05N–.03 115.47W–.03 4–13 31 0-4
ISCJB VI 14 03 01 15.8–.54 32.06N–.03 115.43W–.04 13–5 **¶14931448**
ECX VI 14 03 01 17.3–.70 32.07N 115.47W 5 3.2L,3.1
NEIC VI 14 03 01 17.3 32.07N 115.47W 5 3.2L,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=5.1km az=170.1.
ECX Error ellipse: s-maj=2.9km s-min=3.9km az=-1.0.
NEIC Event type se. After ECX.
ECX VI 19 21 32 16.6–.50 32.68N 115.91W 3–2 3.3L,3.2
NEIC VI 19 21 32 16.2 32.66N 115.92W 8 3.3L,3.3L **¶13201569**
ECX Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0.
NEIC Event type fe. Felt at El Cajon, Imperial and Ocotillo. After PAS.
ISC VI 20 12 38 51.1–.97 32.24N–.03 115.53W–.04 22–11 23 0-4
ISCJB VI 20 12 38 50.2–.54 32.27N–.03 115.54W–.04 14–6 **¶14931574**
ECX VI 20 12 38 51.9–.76 32.24N 115.53W 8 3.7L,3.6
NEIC VI 20 12 38 51.9 32.24N 115.53W 10 3.7L,3.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.4km az=170.1.
ECX Error ellipse: s-maj=2.5km s-min=2.8km az=-1.0.
NEIC Event type fe. Felt at Chula Vista, Lakeside, Lemon Grove and Santee, California. After ECX.
ECX VI 29 19 00 24.1–.72 32.06N 115.48W 5 3.6L,3.4
NEIC VI 29 19 00 23.7 32.06N 115.50W 6 3.6L,3.3L **¶14931746**
ECX Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0.
NEIC Event type se. After PAS.
ECX VI 29 21 40 01.5–.66 32.05N 115.47W 5 4.2L,4.1
NEIC VI 29 21 40 01.5 32.06N 115.47W 5 4.2L,4.2L **¶13307350**
ECX Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
NEIC Event type fe. Felt [II] at Mexicali. Felt [III] at El Cajon, California. Also felt at Calexico, El Centro and San Diego. Felt at Yuma, Arizona. After ECX.
ECX VI 29 21 48 59.4–.61 32.06N 115.47W 5 3.3L,3.1
NEIC VI 29 21 48 59.3 32.06N 115.47W 6 3.6,3.2L **¶13307351**
ECX Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.
NEIC Event type se. After ECX.

(46) Western Arizona-Sonora border region.

ISC IV 06 13 48 34.2–1.3 32.08N–.04 114.85W–.03 16–11 34 1-4
ECX IV 06 13 48 33.3–.48 32.14N 114.78W 16–5 3.3L,3.1 **¶14413515**
NEIC IV 06 13 48 33.3 32.14N 114.78W 6 3.3L,3.1L
ISC Event type ke.
ECX Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
NEIC Event type se. After ECX.

SEISMIC REGION 4.
Lower California and Gulf of California.

(47) Off west coast of Baja California.

ISC I 19 23 50 47.3–.39 22.80N–.05 111.13W–.05 10 5.1b,4.6s 1127 1-130
IDC I 19 23 50 46.1–.58 22.90N 111.15W 0 4.8,4.7b **¶13405858**
MOS I 19 23 50 46.1–1.1 22.80N 111.09W 10 5.2b,4.7b
ISCJB I 19 23 50 46.6–.25 22.82N–.02 111.06W–.02 10 5.0b,4.6s
BJI I 19 23 50 46.0 22.80N 111.10W 10 5.6b,5.4s
NEIC I 19 23 50 48.0–.29 22.77N 111.09W 10 5.1b,5.1
MEX I 19 23 50 51.0–.28 23.04N 111.09W 15 5.1,5.1
ISC Event type fe.
IDC Error ellipse: s-maj=19.0km s-min=13.4km az=62.0.
MOS Error ellipse: s-maj=8.5km s-min=4.2km az=89.5.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=35.2.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.1km az=222.0. Felt [II] at Cabo San Lucas. Also felt at La Paz and Los Cabos.
MEX Error ellipse: s-maj=4.2km s-min=3.6km az=-1.0.
IDC II 21 04 57 10.3–8.0 22.86N 110.89W 0 3.7L,3.5
¶15956860
IDC Error ellipse: s-maj=125.7km s-min=53.9km az=176.0.
IDC II 27 01 08 38.3–9.5 22.24N 109.18W 0 3.6,3.3
¶15957428
IDC Error ellipse: s-maj=152.2km s-min=60.7km az=167.0.
ECX III 17 22 40 25.1–.45 29.98N 116.45W 4 3.5L,3.3
¶14301323
ECX Error ellipse: s-maj=4.8km s-min=3.9km az=-1.0.

(48) Baja California.

MEX I 01 18 04 16.8–.31 27.96N 112.25W 24–41 3.7
¶14597481
MEX Error ellipse: s-maj=10.4km s-min=22.9km az=-1.0.
ISC II 05 19 27 14.3–.93 23.75N–.10 109.19W–.05 10 4.2s,3.6b 28 1-121
MEX II 05 19 27 08.4–.27 22.46N 110.17W 15–28 4.5,3.6b **¶11730072**
IDC II 05 19 27 11.1–2.3 23.79N 108.48W 0 4.2,4.2s
NEIC II 05 19 27 14.4–1.4 23.56N 109.45W 10 4.5,4.2s
ISC Event type se.
MEX Error ellipse: s-maj=23.7km s-min=24.2km az=-1.0.
IDC Error ellipse: s-maj=46.4km s-min=31.6km az=123.0.
NEIC Event type se. Error ellipse: s-maj=32.5km s-min=12.5km az=211.0.
ISC II 24 07 17 36.0–1.1 30.0N–.10 114.48W–.08 10 4.0b 41 1-94
ISCJB II 24 07 17 33.8–1.0 29.96N–.10 114.43W–.07 10 4.2s,3.9b **¶12701717**
IDC II 24 07 17 34.7–1.4 29.95N 114.32W 0 4.4,4.2b
ECX II 24 07 17 35.7–.33 30.46N 114.10W 15 4.5L,4.4
NEIC II 24 07 17 37.3–1.2 30.01N 114.22W 10 4.0b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=6.4km az=22.4.
IDC Error ellipse: s-maj=27.5km s-min=12.9km az=43.0.
ECX Error ellipse: s-maj=6.7km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=10.1km az=23.0.
ISC III 12 17 11 55.5–.90 31.72N–.03 116.48W–.03 12–8 52 0-4
ISCJB III 12 17 11 55.4–.49 31.72N–.03 116.49W–.03 12–4 **¶14269665**
NEIC III 12 17 11 56.4 31.70N 116.48W 7 3.7L,3.5L
ECX III 12 17 11 56.4–.48 31.70N 116.48W 7 3.7L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.7km az=34.4.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. NP1:ϕ_s20.00000°,δ90.00000°,λ0.00000°.
ISC IV 10 10 33 26.6–1.1 31.64N–.03 115.89W–.03 16–7 38 0-4
ISCJB IV 10 10 33 27.1–.52 31.65N–.03 115.87W–.03 23–5 **¶15654961**
ECX IV 10 10 33 27.8–.74 31.65N 115.90W 7 3.6L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=34.8.
ECX Error ellipse: s-maj=1.6km s-min=2.2km az=-1.0.
ECX V 13 13 49 09.4–.59 31.57N 115.66W 9 2.6L,2.5
NEIC V 13 13 49 09.4 31.57N 115.66W 9 2.8L,2.6L **¶14645101**
ECX Error ellipse: s-maj=1.4km s-min=2.1km az=-1.0.
NEIC Event type se. After ECX.

(49) Gulf of California.

ISC I 03 03 56 13.7–1.4 31.92N–.05 114.77W–.03 2–11 34 1-3
ECX I 03 03 56 15.6–.56 31.92N 114.76W 8 3.2L,3.1 **¶14260190**
ISC Event type ke.
ECX Error ellipse: s-maj=3.0km s-min=2.9km az=-1.0.
ISC I 05 10 59 31.6–.32 23.90N–.04 108.82W–.04 19–1 5.6b,5.2s 1789 1-157
BJI I 05 10 59 28.6 23.68N 108.94W 20 5.7b,5.4s **¶13404614**
MOS I 05 10 59 28.4–1.3 23.81N 108.77W 10 5.7b,5.3s
NEIC I 05 10 59 30.5–.24 23.81N 108.76W 10 5.7b,5.5W
MEX I 05 10 59 30.6–.55 23.82N 108.94W 19–44 5.5,5.5W
ISCJB I 05 10 59 30.6–.18 23.89N–.02 108.71W–.02 20 5.5b,5.2s
IDC I 05 10 59 31.7–.41 23.89N 108.82W 19–2 5.0,5.0
SZGRF I 05 10 59 36.6 26.04N 112.59W 33 5.5b,5.4s
ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=3.9km az=92.5.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=221.0. Felt [II] at Cabo San Lucas, La Paz and Los Cabos, Mexico. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17} Nm; M_{rr}0.65 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$1.55 $M_{r\theta}$0.08 $M_{\theta\phi}$-0.87 $M_{\phi r}$-0.29 Best double couple: NP1: ϕ_s213.00000°,δ79.00000°,λ10.00000°. NP2:ϕ_s122.00000°,δ80.00000°,λ169.00000°. Principal axes: T 1.8200,Plg14.0000°,Azm77.0000°; N 0.5700,Plg75.0000°,Azm259.0000°; P -2.3900,Plg0.0000°,Azm167.0000° $M_0$2.20000×10^{17}
MEX Error ellipse: s-maj=15.5km s-min=7.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=136.0.
IDC Error ellipse: s-maj=16.0km s-min=8.2km az=60.0.
SZGRF Baja California, Mexico.
IDC I 17 07 48 48.6–3.3 26.98N 111.40W 0 3.6L,3.6
¶12081518
IDC Error ellipse: s-maj=48.0km s-min=20.2km az=9.0.
IDC I 30 18 12 48.7–6.0 25.16N 108.81W 0 3.4,3.4
¶12082753
IDC Error ellipse: s-maj=92.6km s-min=40.7km az=5.0.
IDC I 30 19 19 50.1–10 24.36N 108.71W 0 3.6L,3.6
¶12082755
IDC Error ellipse: s-maj=156.6km s-min=52.0km az=3.0.
ISC II 24 07 10 31.2–.80 30.08N–.06 114.51W–.06 5–4 4.6b 206 1-119
BJI II 24 07 10 28.2 29.80N 114.50W 10 5.2s,5.0 **¶11728571**
ISCJB II 24 07 10 30.9–.40 30.05N–.04 114.31W–.03 10 4.6s,4.5b
NEIC II 24 07 10 30.6 30.10N 114.35W 4 4.8L,4.6b
ECX II 24 07 10 30.6–.51 30.10N 114.35W 14 4.8L,4.7
IDC II 24 07 10 31.1–.75 29.95N 114.22W 0 4.8,4.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=2.7km az=29.8.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=10.4km s-min=11.0km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=10.7km az=51.0.
IDC II 24 07 11 12.8–1.3 30.11N 114.67W 0 4.6,4.6s
¶15957147
IDC Error ellipse: s-maj=28.8km s-min=14.8km az=51.0.
ISC III 16 11 59 33.8–.98 23.11N–.09 108.73W–.05 10 4.2b,3.8s 303 2-118
MEX III 16 11 59 33.9–.74 23.00N 108.73W 10 4.3,3.8s **¶11888923**
IDC III 16 11 59 37.0–1.3 23.70N 108.84W 0 4.0,3.9
BJI III 16 11 59 46.3 24.40N 108.30W 10 4.7b,3.9
NEIC III 16 11 59 47.8–1.0 24.31N 108.28W 10 4.2b,3.9
ISC Event type se.
MEX Error ellipse: s-maj=12.5km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=21.3km s-min=13.0km az=1.0.

NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.8km az=12.0.
IDC III 17 21 33 44.0–1.7 25.61N 109.47W 0 3.7,3.6
¶12703537

IDC Error ellipse: s-maj=38.9km s-min=22.2km az=108.0.
IDC IV 07 02 03 17.5–1.4 25.98N 109.96W 0 4.1,4.1b
¶12759375

IDC Error ellipse: s-maj=27.3km s-min=24.3km az=106.0.
IDC IV 07 02 12 56.7–1.2 25.74N 109.90W 0 4.1,4.0b
¶12759376

IDC Error ellipse: s-maj=33.0km s-min=15.8km az=101.0.
ISC IV 07 02 35 36.1–2.7 25.64N–.04 110.08W–.03 14–17 4.3b,3.9s 230 2-122
NEIC IV 07 02 35 35.1–.45 25.69N 110.10W 10 4.7,4.3b **¶12759377**
IDC IV 07 02 35 35.1–.80 25.96N 110.00W 0 4.3,4.2b
MEX IV 07 02 35 36.0–.26 25.54N 110.06W 4–10 4.7,4.2b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.8km az=54.0. Felt at Huatabampo, Sonora.
IDC Error ellipse: s-maj=22.7km s-min=13.4km az=70.0.
MEX Error ellipse: s-maj=5.8km s-min=5.1km az=-1.0.
ISC IV 07 19 02 03.0–.60 24.17N–.06 109.11W–.05 10 4.5b,4.1s 243 1-130
BJI IV 07 19 02 00.9 24.00N 109.00W 10 5.7b,5.1b **¶12099442**
ISCJB IV 07 19 02 02.5–.53 24.15N–.05 108.92W–.04 10 4.4b,4.1s
NEIC IV 07 19 02 02.3–.69 24.03N 109.12W 10 4.6b,4.1s
IDC IV 07 19 02 03.1–.99 24.29N 109.62W 0 4.1,4.0b
MEX IV 07 19 02 06.8–.29 24.39N 108.97W 13–6 4.5,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.8km az=28.6.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=7.5km az=217.0. Felt at Cabo San Lucas and Los Cabos, Baja California Sur.
IDC Error ellipse: s-maj=23.2km s-min=13.7km az=136.0.
MEX Error ellipse: s-maj=4.3km s-min=3.7km az=-1.0.
IDC IV 20 16 35 08.0–4.6 27.22N 111.41W 0 3.8,3.8s
¶16153157

IDC Error ellipse: s-maj=66.8km s-min=20.1km az=11.0.
IDC IV 20 16 47 02.7–5.2 27.30N 111.23W 0 3.6,3.5
¶16153160

IDC Error ellipse: s-maj=87.5km s-min=24.8km az=23.0.
IDC IV 20 16 48 04.2–1.8 27.31N 111.44W 0 3.9,3.7
¶16153161

IDC Error ellipse: s-maj=29.3km s-min=19.1km az=25.0.
ISC IV 20 17 12 48.3–.87 27.52N–.10 111.3W–.10 10 4.1s,4.0b 65 4-122
ISCJB IV 20 17 12 46.9–.81 27.53N–.07 111.20W–.07 10 4.1s,3.9b **¶12842929**
IDC IV 20 17 12 46.7–1.1 27.52N 111.24W 0 4.0,4.0
NEIC IV 20 17 12 48.8–.73 27.50N 111.22W 10 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=7.1km az=37.8.
IDC Error ellipse: s-maj=24.1km s-min=14.2km az=59.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.9km az=223.0.
ISC IV 25 09 50 32.2–1.4 24.6N–.10 109.20W–.10 10 3.4b,3.0s 22 1-82
IDC IV 25 09 50 29.8–3.5 24.41N 109.02W 0 3.8,3.7L **¶12936167**
ISCJB IV 25 09 50 31.2–1.3 24.7N–.10 109.0W–.10 10 3.3b,3.1s
ISC Event type ke.
ISCJB Event type ke.
IDC IV 25 11 16 31.3–4.2 24.24N 108.92W 0 3.4,3.4
¶16153373

IDC Error ellipse: s-maj=74.7km s-min=20.9km az=147.0.
ECX IV 28 00 59 53.5–.32 30.57N 114.58W 4 3.9L,3.7
¶16328979

ECX Error ellipse: s-maj=4.9km s-min=4.2km az=-1.0.
IDC V 05 05 57 50.9–5.5 23.50N 108.68W 0 3.5,3.4
¶16154919

IDC Error ellipse: s-maj=81.7km s-min=23.7km az=155.0.
ISC V 09 01 07 57.3–.51 25.53N–.04 109.83W–.06 10 4.5b,4.0s 127 1-128
IDC V 09 01 07 55.0–.73 25.49N 109.78W 0 4.3,4.1b **¶12952784**
ISCJB V 09 01 07 56.0–.32 25.52N–.03 109.76W–.04 10 4.4b,4.0s
NEIC V 09 01 07 57.4–.37 25.48N 109.84W 10 4.4b,4.0s
MEX V 09 01 07 57.8–.28 25.60N 109.88W 7–7 4.4,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=10.4km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.7km az=147.7.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=50.0.
MEX Error ellipse: s-maj=5.2km s-min=6.9km az=-1.0.
ISC V 11 22 34 15.3–1.5 31.66N–.04 114.55W–.06 18–5 20 0-3
ISCJB V 11 22 34 15.0–1.4 31.66N–.04 114.50W–.09 17–20 **¶16329034**
ECX V 11 22 34 17.4–.68 31.68N 114.63W 15 3.6L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=7.0km az=6.0.
ECX Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0.
ISC V 11 22 35 49.3–.85 31.69N–.04 114.53W–.03 11 34 0-39
ISCJB V 11 22 35 47.9–.57 31.70N–.04 114.48W–.04 11 3.1b **¶13678779**
NEIC V 11 22 35 49.8 31.71N 114.54W 5 4.1L
ECX V 11 22 35 49.8–.58 31.71N 114.54W 15 4.1L,4.0
IDC V 11 22 35 51.8–1.6 31.80N 114.15W 0 3.8,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.4km az=157.3.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.8km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=28.3km s-min=11.2km az=33.0.
ECX V 12 09 56 15.3–.40 30.58N 114.51W 6 3.9L,3.8
¶16329037

ECX Error ellipse: s-maj=4.7km s-min=4.0km az=-1.0.
IDC V 18 19 50 29.5–3.5 27.77N 111.82W 0 3.9,3.7
¶16155884

IDC Error ellipse: s-maj=49.5km s-min=15.6km az=20.0.
IDC V 19 18 09 52.4–3.5 27.50N 111.53W 0 4.3L,3.8
¶16155915

IDC Error ellipse: s-maj=54.1km s-min=16.8km az=11.0.
IDC V 23 04 21 00.2–6.3 23.43N 108.92W 0 3.9L,3.6
¶16156039

IDC Error ellipse: s-maj=91.6km s-min=24.0km az=157.0.
MEX VI 25 12 33 15.6–.64 28.34N 112.34W 10 4.3
¶14989044

MEX Error ellipse: s-maj=2.6km s-min=4.0km az=-1.0.
IDC VI 30 00 44 32.1–7.7 23.36N 108.36W 0 3.7,3.6L
¶16101879

IDC Error ellipse: s-maj=105.7km s-min=38.2km az=150.0.

(51) Off coast of central Mexico.

IDC I 06 17 39 17.6–3.1 21.12N 107.98W 0 3.8L,3.8
¶12080534

IDC Error ellipse: s-maj=163.6km s-min=43.7km az=88.0.
ISC III 01 12 14 48.2–1.9 22.06N–.05 108.45W–.06 31–12 4.6b,4.3s 549 2-124
BJI III 01 12 14 42.2 21.80N 108.50W 10 5.3b,5.0s **¶11731007**
IDC III 01 12 14 42.8–.79 22.08N 108.73W 0 4.4,4.4L
ISCJB III 01 12 14 43.8–1.5 21.90N–.04 108.40W–.03 13–8 4.5b,4.2s
MEX III 01 12 14 43.8–.84 22.14N 108.42W 3–13 4.7,4.2s
NEIC III 01 12 14 44.8–.39 21.88N 108.48W 10 4.7,4.6b
GCMT III 01 12 14 45.1–.30 22.08N 108.53W 15–1 4.9W,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=23.3km s-min=13.4km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.1km az=29.3.
MEX Error ellipse: s-maj=7.4km s-min=5.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=3.9km az=47.0. Felt [II] at Puerto Vallarta, Mexico.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s28,c32; s77,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.95±.12 $M_{\theta\theta}$-1.37±.08; $M_{\phi\phi}$2.32±.12; $M_{r\theta}$1.06±.24; $M_{\theta\phi}$2.05±.09; $M_{\phi r}$-0.68±.20; Best double couple: NP1:ϕ_s245.00000°,δ67.00000°,λ-21.00000°. NP2:ϕ_s343.00000°,δ71.00000°,λ-155.00000°. Principal axes: T 3.2400,Plg3.0000° ,Azm113.0000°; N -0.2100,Plg59.0000°,Azm19.0000°; P -3.0300,Plg31.0000° ,Azm205.0000° $M_0$3.10000×10^{16}

SEISMIC REGION 5.
Mexico-Guatemala Area.

(53) Revilla Gigedo Islands region.

IDC I 28 08 06 58.3–4.3 19.54N 109.05W 0 3.8,3.8
¶12082555

IDC Error ellipse: s-maj=77.9km s-min=40.5km az=29.0.
IDC III 01 15 12 22.1–.86 21.99N 108.62W 0 4.2L,4.1
¶12702200

IDC Error ellipse: s-maj=20.7km s-min=15.7km az=83.0.
IDC III 19 05 58 06.8–5.4 19.26N 108.76W 0 3.8,3.7
¶12599170

IDC Error ellipse: s-maj=103.2km s-min=18.6km az=142.0.
ISC IV 13 19 41 21.4–1.4 19.3N–.20 108.8W–.20 26 3.7b,3.3s 10 11-122
IDC IV 13 19 41 17.7–1.4 19.34N 108.87W 0 4.2,3.9 **¶12840189**
ISCJB IV 13 19 41 18.6–2.0 19.2N–.20 108.8W–.20 26 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC IV 29 09 19 43.5–4.1 19.01N 108.09W 0 3.8,3.7
¶16154614

IDC Error ellipse: s-maj=77.3km s-min=39.4km az=28.0.
ISC V 17 06 15 12.6–.76 19.39N–.06 108.25W–.07 22 4.2b,4.0s 91 3-110
IDC V 17 06 15 08.0–1.5 19.27N 108.56W 0 4.0,4.0s **¶12828751**
NEIC V 17 06 15 09.7–.83 19.19N 108.40W 10 4.4,4.3b
ISCJB V 17 06 15 10.7–.59 19.31N–.06 108.18W–.04 22 4.0s,4.0b
GCMT V 17 06 15 11.5–.30 19.37N 108.43W 19–1 5.1W,4.0b
MEX V 17 06 15 11.6–.39 19.39N 108.29W 10 4.4,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=18.1km az=59.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.0km az=219.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.0km az=27.1.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s46,c62; s78,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.34±.19 $M_{\theta\theta}$-4.27±.16; $M_{\phi\phi}$5.61±.19; $M_{r\theta}$-1.15±.35; $M_{\theta\phi}$-2.70±.14; $M_{\phi r}$1.22±.36; Best double couple: NP1:ϕ_s31.00000°,δ73.00000°,λ-2.00000°. NP2:ϕ_s121.00000°,δ89.00000°,λ-163.00000°. Principal axes: T 6.5700,Plg11.0000° ,Azm255.0000°; N -1.4300,Plg73.0000°,Azm126.0000°; P -5.1400,Plg13.0000° ,Azm347.0000° $M_0$5.90000×10^{16}
MEX Error ellipse: s-maj=5.3km s-min=5.9km az=-1.0.
IDC V 25 07 38 31.4–7.9 21.05N 108.87W 0 3.5,3.4
¶16156139

IDC Error ellipse: s-maj=110.9km s-min=60.6km az=169.0.
IDC V 25 18 48 28.0–8.0 20.63N 108.33W 0 3.5,3.4
¶13232180

IDC Error ellipse: s-maj=127.0km s-min=66.9km az=156.0.
IDC V 25 20 03 51.8–6.9 20.30N 108.64W 0 4.0,3.8
¶16156159

IDC Error ellipse: s-maj=113.0km s-min=59.5km az=147.0.
IDC VI 02 19 39 37.4–1.6 19.63N 108.95W 0 4.1,3.9
¶16066239

IDC Error ellipse: s-maj=62.7km s-min=28.6km az=97.0.
IDC VI 03 02 10 10.3–1.0 19.73N 109.31W 0 4.1,3.9
¶16100877

IDC Error ellipse: s-maj=43.2km s-min=19.7km az=70.0.
IDC VI 03 21 37 02.1–1.9 19.58N 109.24W 0 4.1,3.9
¶13680371

IDC Error ellipse: s-maj=80.2km s-min=34.0km az=105.0.
ISC VI 03 21 37 38.3–.74 19.68N–.04 109.18W–.04 13–3 5.1s,5.1b 378 4-168
ISCJB VI 03 21 37 35.4–.96 19.50N–.03 109.12W–.02 7–5 5.1s,5.0b **¶16100910**
BJI VI 03 21 37 35.1 19.60N 109.20W 5 5.7b,5.7b
NEIC VI 03 21 37 37.3–.34 19.55N 109.17W 6 5.6,5.5W
MOS VI 03 21 37 37.1–.92 19.67N 109.18W 10 5.4b,5.1s
MEX VI 03 21 37 37.6–.45 19.72N 109.21W 8–22 5.6,5.1s
IDC VI 03 21 37 38.2–.59 19.86N 109.22W 0 5.1,5.1s
GCMT VI 03 21 37 43.1–.10 19.91N 109.22W 15 5.6W,5.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.4km az=25.7.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.8km az=213.0. Moment Tensor Solution. s24 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43 $M_{\theta\theta}$-1.64 $M_{\phi\phi}$2.08 $M_{r\theta}$0.00 $M_{\theta\phi}$-0.15 $M_{\phi r}$-0.77 Best double couple: NP1:ϕ_s224.00000°,δ80.00000°,λ13.00000°. NP2:ϕ_s132.00000° ,δ78.00000°,λ170.00000°. Principal axes: T 2.3000,Plg15.0000°,Azm87.0000° ; N -0.6500,Plg74.0000°,Azm260.0000°; P -1.6500,Plg1.0000°,Azm357.0000° $M_0$2.00000×10^{17}
MOS Error ellipse: s-maj=8.6km s-min=4.3km az=94.7.
MEX Error ellipse: s-maj=10.7km s-min=16.8km az=-1.0.
IDC Error ellipse: s-maj=22.3km s-min=11.3km az=60.0.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=105, comp=212, per= 50. Moment Tensor Solution. s87,c153; s52,c58; Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.03 $M_{\theta\theta}$-2.65±.02; $M_{\phi\phi}$2.63±.03; $M_{r\theta}$0.44±.08; $M_{\theta\phi}$0.13±.02; $M_{\phi r}$-0.23±.08; Best double couple: NP1:ϕ_s226.00000°,δ80.00000°,λ-3.00000°. NP2:ϕ_s317.00000°,δ87.00000°,λ-170.00000°. Principal axes: T 2.6500,Plg5.0000°,Azm91.0000°; N 0.0700,Plg80.0000°,Azm334.0000° ; P -2.7300,Plg9.0000°,Azm182.0000° $M_0$2.70000×10^{17}
ISC VI 03 21 41 37.4–.86 19.67N–.09 109.2W–.10 26 4.6b 70 11-122
IDC VI 03 21 41 30.3–1.1 19.57N 109.37W 0 4.6,4.6s **¶12925395**
NEIC VI 03 21 41 35.8–.91 19.63N 109.15W 10 4.7b,4.6s
ISCJB VI 03 21 41 37.7–.68 19.74N–.07 109.18W–.09 26 5.1s,4.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 21 01 32 09.7–1.2 19.03N 108.42W 0 4.0,3.8
¶16101552

IDC Error ellipse: s-maj=24.1km s-min=20.2km az=153.0.
IDC VI 28 14 28 06.4–8.9 19.11N 108.64W 0 3.8,3.7
¶16101826

IDC Error ellipse: s-maj=149.9km s-min=65.1km az=147.0.

(54) Off coast of Jalisco.

MEX I 28 00 57 30.2–.98 18.64N 106.30W 14–28 3.7
¶14597590

MEX Error ellipse: s-maj=13.0km s-min=11.3km az=-1.0.
MEX II 11 15 09 35.8–1.2 18.61N 107.44W 20 3.9
¶14597683

MEX Error ellipse: s-maj=19.8km s-min=16.0km az=-1.0.
MEX III 03 06 32 41.9–.74 19.06N 107.14W 10 3.7
¶14597770

MEX Error ellipse: s-maj=33.6km s-min=12.3km az=-1.0.
MEX III 08 06 24 21.1–.96 18.62N 106.23W 4–52 4.0
¶14597797

MEX Error ellipse: s-maj=27.2km s-min=37.4km az=-1.0.
ISC III 10 09 28 43.2–3.1 19.46N–.09 106.2W–.20 49–34 21 2-123
IDC III 10 09 28 35.4–2.0 19.10N 106.64W 0 3.9,3.7 **¶12702860**
ISCJB III 10 09 28 41.5–1.5 19.48N–.06 106.20W–.08 42–21 3.4b,3.7
MEX III 10 09 28 42.1–.84 19.48N 106.29W 20–19 4.1,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=49.0km s-min=34.9km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=8.7km az=150.6.
MEX Error ellipse: s-maj=6.1km s-min=8.7km az=-1.0.
MEX III 19 10 28 25.5–.73 18.81N 107.11W 10 3.9
¶14597856

MEX Error ellipse: s-maj=19.1km s-min=13.8km az=-1.0.
ISC III 27 17 53 02.0–.48 18.63N–.06 107.29W–.06 10 4.6b,4.3s 287 2-128
ISCJB III 27 17 53 00.8–.38 18.62N–.04 107.26W–.03 10 4.4b,4.3s **¶12062615**
IDC III 27 17 53 00.4–1.0 18.68N 107.50W 0 4.2,4.2s
GCMT III 27 17 53 02.9–.30 18.93N 107.59W 13–1 5.1W,4.2s
NEIC III 27 17 53 04.8–.59 18.64N 107.33W 30 4.6b,4.2
MEX III 27 17 53 05.0–.93 18.66N 107.18W 4–608 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=19.2.
IDC Error ellipse: s-maj=38.3km s-min=19.1km az=69.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s41,c53; s88,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}0.36±.13 $M_{\theta\theta}$-3.54±.14; $M_{\phi\phi}$3.18±.15; $M_{r\theta}$-0.23±.33; $M_{\theta\phi}$-3.99±.13; $M_{\phi r}$1.79±.38; Best double couple: NP1:ϕ_s289.00000°,δ73.00000°,λ171.00000°.

NP2:ϕ_s21.00000°,δ81.00000°,λ17.00000°. Principal axes: T 5.6100,Plg18.0000° ,Azm246.0000°; N -0.1500,Plg71.0000°,Azm48.0000°; P -5.4500,Plg6.0000°,Azm154.0000° $M_0$5.50000×10^{16}

NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.4km az=46.0.

MEX Error ellipse: s-maj=27.1km s-min=564.3km az=-1.0.

IDC V 24 04 31 28.7–1.4 18.81N 107.76W 0 3.9,3.7 ¶16156083

IDC Error ellipse: s-maj=53.1km s-min=22.2km az=68.0.

ISC V 28 21 32 25.3–.63 18.43N–.05 106.19W–.05 10 4.8s,4.7b 138 2-128

MEX V 28 21 32 23.2–.55 18.22N 106.33W 16–35 4.9,4.7b **¶12868605**

BJI V 28 21 32 24.7 18.20N 106.40W 10 5.6b,5.1s

ISCJB V 28 21 32 25.9–.54 18.58N–.05 106.24W–.04 10 4.7s,4.5b

NEIC V 28 21 32 27.0–.79 18.54N 106.24W 10 4.9,4.7b

IDC V 28 21 32 26.1–1.1 18.58N 106.38W 0 4.7,4.6

GCMT V 28 21 32 27.6–.20 18.62N 106.46W 16–1 5.3W,4.6

ISC Event type se.

MEX Error ellipse: s-maj=30.6km s-min=12.7km az=-1.0.

ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=155.6.

NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.9km az=196.0.

IDC Error ellipse: s-maj=34.7km s-min=14.8km az=61.0.

GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s56,c84; s93,c160; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87±.22 $M_{\theta\theta}$-5.09±.20; $M_{\phi\phi}$5.96±.24; $M_{r\theta}$-1.09±.54; $M_{\theta\phi}$-7.90±.18; $M_{\phi r}$0.43±.58; Best double couple: NP1:ϕ_s17.00000°,δ83.00000°,λ0.00000°. NP2:ϕ_s108.00000°,δ90.00000°,λ-173.00000°. Principal axes: T 10.2000,Plg5.0000° ,Azm242.0000°; N -0.9000,Plg83.0000°,Azm111.0000°; P -9.3000,Plg5.0000° ,Azm333.0000° $M_0$9.70000×10^{16}

ISC V 28 22 57 20.5–1.0 18.56N–.05 106.41W–.04 16–5 5.0s,4.9b 313 2-144

IDC V 28 22 57 17.9–.64 18.49N 106.62W 0 4.9,4.9 **¶12868607**

MEX V 28 22 57 19.9–.67 18.55N 106.51W 20–105 5.1,4.9

NEIC V 28 22 57 19.4–2.2 18.45N 106.46W 10–13 5.3W,5.0b

ISCJB V 28 22 57 20.3–1.2 18.54N–.03 106.30W–.02 24–8 5.0s,4.8b

MOS V 28 22 57 21.6–.94 18.55N 106.42W 33 5.1b,4.8b

GCMT V 28 22 57 22.5–.10 18.63N 106.54W 13–0 5.4W,4.8b

BJI V 28 22 57 24.1 18.50N 106.40W 40 5.3s,5.3b

ISC Event type fe.

IDC Error ellipse: s-maj=25.4km s-min=11.0km az=62.0.

MEX Error ellipse: s-maj=14.1km s-min=22.5km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=3.5km az=220.0. Felt at Zihuatanejo. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.21 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$0.49 $M_{r\theta}$-0.07 $M_{\theta\phi}$-1.03 $M_{\phi r}$-0.46 Best double couple: NP1:ϕ_s101.00000°,δ66.00000°,λ-175.00000°. NP2:ϕ_s9.00000°,δ85.00000°,λ-24.00000°. Principal axes: T 1.2800,Plg13.0000° ,Azm57.0000°; N -0.1700,Plg65.0000°,Azm177.0000°; P -1.1100,Plg20.0000° ,Azm322.0000° $M_0$1.20000×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.0km az=27.6.

MOS Error ellipse: s-maj=9.5km s-min=5.1km az=93.0.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 94, comp=186, per= 50. Moment Tensor Solution. s84,c138; s87,c164; Moment tensor: Scale 10^{17}Nm; M_{rr}0.06±.02 $M_{\theta\theta}$-0.79±.03; $M_{\phi\phi}$0.73±.03; $M_{r\theta}$-0.20±.05; $M_{\theta\phi}$-1.46±.02; $M_{\phi r}$-0.05±.05; Best double couple: NP1:ϕ_s14.00000°,δ84.00000°,λ-3.00000°. NP2:ϕ_s104.00000°,δ87.00000°,λ-174.00000°. Principal axes: T 1.6200,Plg2.0000°,Azm239.0000°; N 0.0800,Plg83.0000°,Azm129.0000° ; P -1.7000,Plg7.0000°,Azm329.0000° $M_0$1.70000×10^{17}

ISC V 29 01 04 39.3–.46 18.60N–.05 106.43W–.04 10 5.0b,5.0s 254 2-158

BJI V 29 01 04 36.3 18.30N 106.70W 10 5.9b,5.7b **¶12868610**

ISCJB V 29 01 04 37.9–.36 18.55N–.04 106.35W–.02 10 5.0s,4.8b

IDC V 29 01 04 38.9–.76 18.80N 106.95W 0 4.9,4.9s

NEIC V 29 01 04 38.4–.48 18.37N 106.54W 11 5.3W,5.3

MEX V 29 01 04 39.4–2.4 18.69N 106.55W 13–14 5.3,5.3

GCMT V 29 01 04 41.7–.20 18.67N 106.64W 15–0 5.5W,5.3

MOS V 29 01 04 42.5–1.5 18.68N 106.59W 33 5.2b,4.7s

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=2.3km az=25.3.

IDC Error ellipse: s-maj=27.9km s-min=13.8km az=67.0.

NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=3.7km az=212.0. Felt at Armeria. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s100.00000°,δ54.00000°,λ-173.00000°. NP2: ϕ_s6.00000°,δ85.00000°,λ-36.00000°. Principal axes: T 1.0800,Plg20.0000°,Azm58.0000° ; N -0.1000,Plg53.0000°,Azm179.0000°; P -0.9900,Plg28.0000°,Azm317.0000° $M_0$1.00000×10^{17}

MEX Error ellipse: s-maj=8.3km s-min=9.1km az=-1.0.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 95, comp=181, per= 50. Moment Tensor Solution. s81,c124; s4,c4; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.03 $M_{\theta\theta}$-0.91±.03; $M_{\phi\phi}$0.92±.03; $M_{r\theta}$-0.43±.09; $M_{\theta\phi}$-1.61±.03; $M_{\phi r}$0.21±.09; Best double couple: NP1:ϕ_s15.00000°,δ76.00000°,λ2.00000°. NP2:ϕ_s285.00000°,δ88.00000°,λ166.00000°. Principal axes: T 1.9400,Plg12.0000°,Azm239.0000°; N -0.0600,Plg76.0000°,Azm95.0000° ; P -1.8800,Plg8.0000°,Azm331.0000° $M_0$1.90000×10^{17}

MOS Error ellipse: s-maj=11.5km s-min=5.1km az=94.1.

ISC V 29 16 10 56.4–2.2 18.66N–.07 106.2W–.10 44–20 4.4b,4.1s 96 1-124

IDC V 29 16 10 49.5–.86 18.33N 106.39W 0 4.2,4.2 **¶13232194**

NEIC V 29 16 10 51.4–.60 18.44N 106.33W 10 4.6,4.5b

MEX V 29 16 10 53.7–.72 18.63N 106.32W 9–35 4.6,4.5b

GCMT V 29 16 10 53.3–.40 18.63N 106.53W 15–2 5.0W,4.5b

ISCJB V 29 16 10 54.6–1.2 18.58N–.05 106.19W–.05 39–10 4.4b,4.2s

ISC Event type se.

NEIC Event type se.

GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s18,c18; s69,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.14 $M_{\theta\theta}$-1.06±.13; $M_{\phi\phi}$1.66±.15; $M_{r\theta}$-0.71±.28; $M_{\theta\phi}$-2.65±.13; $M_{\phi r}$1.68±.36; Best double couple: NP1:ϕ_s281.00000°,δ68.00000°,λ171.00000°. NP2:ϕ_s14.00000°,δ82.00000°,λ22.00000°. Principal axes: T 3.9900,Plg21.0000° ,Azm239.0000°; N -1.2700,Plg66.0000°,Azm33.0000°; P -2.7300,Plg10.0000° ,Azm146.0000° $M_0$3.40000×10^{16}

ISCJB Event type se.

MEX V 30 00 04 28.8–.95 18.52N 106.15W 10 4.4 ¶14739895

MEX Error ellipse: s-maj=8.6km s-min=10.6km az=-1.0.

MEX VI 27 07 55 26.5–.56 18.80N 107.32W 10 4.0 ¶14989092

MEX Error ellipse: s-maj=7.2km s-min=7.0km az=-1.0.

(55) Near coast of Jalisco.

MEX I 01 05 52 36.1–.76 18.22N 104.93W 16–14 3.8 ¶14597479

MEX Error ellipse: s-maj=10.2km s-min=9.6km az=-1.0.

ISC I 24 02 19 16.4–1.2 18.54N–.07 104.66W–.06 10 3.6b 22 1-54

ISCJB I 24 02 19 15.4–.87 18.53N–.06 104.66W–.04 10 3.6b **¶12082179**

IDC I 24 02 19 16.0–2.3 18.55N 104.70W 0 3.9,3.8

MEX I 24 02 19 17.3–1.1 18.47N 104.76W 12–16 4.0,3.8

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.3km az=27.1.

IDC Error ellipse: s-maj=43.4km s-min=25.4km az=32.0.

MEX Error ellipse: s-maj=10.4km s-min=9.0km az=-1.0.

ISC I 24 02 25 07.1–1.0 18.61N–.06 104.61W–.05 10 3.6b 34 1-54

IDC I 24 02 25 05.5–2.2 18.50N 104.40W 0 3.8,3.7 **¶12082181**

ISCJB I 24 02 25 06.0–.74 18.59N–.04 104.62W–.04 10 3.5b,3.7

MEX I 24 02 25 08.4–.75 18.55N 104.73W 12–9 4.3,3.7

ISC Event type ke.

IDC Error ellipse: s-maj=38.8km s-min=24.9km az=36.0.

ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.7km az=42.9.

MEX Error ellipse: s-maj=6.5km s-min=5.9km az=-1.0.

MEX II 14 05 08 38.8–2.4 18.83N 104.01W 5 3.9

NEIC II 14 05 08 38.8 18.81N 104.03W 5 3.8,3.5b **¶14189474**

MEX Error ellipse: s-maj=9.7km s-min=15.9km az=-1.0.

NEIC Event type fe. Felt at Manzanillo, Pihuamo and Tecoman. After MEX.

MEX II 18 14 28 56.9–.63 19.07N 105.19W 16–11 3.7 ¶14597717

MEX Error ellipse: s-maj=6.2km s-min=13.3km az=-1.0.

ISC III 05 06 23 41.7–1.1 20.77N–.05 105.34W–.08 20–7 23 1-17

NEIC III 05 06 23 42.0 20.90N 105.42W 16 4.2b,3.8 **¶11756941**

MEX III 05 06 23 44.9–1.1 20.80N 105.27W 14–13 3.9,3.8

ISC Event type fe.

NEIC Event type fe. Felt [III] at Bucerias and [II] at Puerto Vallarta. Also felt at Jaltemba and Valle de Banderas. After MEX.

MEX Error ellipse: s-maj=4.2km s-min=7.2km az=-1.0.

MEX III 10 21 00 18.4–.57 19.76N 104.34W 4–7 3.7 ¶14597810

MEX Error ellipse: s-maj=3.4km s-min=2.3km az=-1.0.

MEX III 11 12 22 34.1–.98 20.73N 105.88W 7–18 3.8 ¶14597811

MEX Error ellipse: s-maj=5.8km s-min=14.0km az=-1.0.

MEX III 11 12 26 33.9–.92 20.71N 105.86W 10 3.7 ¶14597812

MEX Error ellipse: s-maj=3.9km s-min=6.6km az=-1.0.

ISC III 22 06 14 24.7–.54 18.48N–.04 104.14W–.05 10 4.4b,3.7s 317 1-126

IDC III 22 06 14 22.3–1.1 18.34N 104.13W 0 4.4,4.2 **¶12635268**

ISCJB III 22 06 14 23.0–.31 18.41N–.03 104.13W–.02 10 4.4b,3.6s

NEIC III 22 06 14 26.6 18.52N 104.12W 8 4.3,4.1b

MEX III 22 06 14 26.6–1.1 18.52N 104.12W 8–11 4.3,4.1b

ISC Event type se.

IDC Error ellipse: s-maj=29.8km s-min=17.5km az=44.0.

ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.4km az=34.5.

NEIC Event type se. After MEX.

MEX Error ellipse: s-maj=5.8km s-min=6.1km az=-1.0.

MEX III 22 06 20 01.4–1.5 18.57N 104.00W 8–16 3.8 ¶14597944

MEX Error ellipse: s-maj=7.7km s-min=7.7km az=-1.0.

MEX IV 09 21 10 05.1–.49 19.99N 105.70W 15–64 4.1 ¶14682762

MEX Error ellipse: s-maj=4.2km s-min=74.2km az=-1.0.

MEX IV 13 02 10 06.6–.98 18.85N 104.46W 10 3.5 ¶14682810

MEX Error ellipse: s-maj=5.8km s-min=4.5km az=-1.0.

MEX IV 19 21 37 45.9–.92 19.83N 105.49W 20–80 3.6 ¶14682886

MEX Error ellipse: s-maj=4.9km s-min=9.5km az=-1.0.

ISC V 08 14 54 53.6–.98 19.11N–.06 105.13W–.08 27 4.2b 57 0-54

IDC V 08 14 54 41.8–6.2 18.23N 104.26W 0 4.1,3.9 **¶13678561**

MEX V 08 14 54 50.1–.38 19.10N 105.44W 6–36 4.2,3.9

NEIC V 08 14 54 50.1 19.10N 105.44W 6 4.4b,4.2

ISCJB V 08 14 54 52.2–.60 19.05N–.06 105.18W–.05 27 4.1b,3.4s

ISC Event type se.

NEIC Event type se. After MEX.

ISCJB Event type se.

ISC V 08 16 13 44.5–1.3 19.11N–.09 105.2W–.10 35 3.2b 11 0-53

IDC V 08 16 13 32.4–4.3 18.30N 104.49W 0 3.7L,3.6 **¶13678566**

MEX V 08 16 13 39.5–.34 19.05N 105.52W 17–61 4.0,3.6

ISCJB V 08 16 13 41.5–1.2 19.06N–.07 105.27W–.08 33 3.1b,3.6

ISC Event type ke.

ISCJB Event type ke.

IDC V 09 08 10 38.2–6.3 18.79N 104.96W 0 3.5,3.4 ¶16155539

IDC Error ellipse: s-maj=221.1km s-min=42.7km az=106.0.

MEX V 13 05 29 35.6–1.4 18.80N 104.50W 9–22 3.6 ¶14739617

MEX Error ellipse: s-maj=16.6km s-min=6.9km az=-1.0.

MEX V 13 23 25 07.6–.56 18.34N 104.10W 15–24 3.5 ¶14739623

MEX Error ellipse: s-maj=16.1km s-min=21.4km az=-1.0.

MEX V 15 15 42 50.2–.30 19.55N 105.36W 38–3 3.5 ¶14739667

MEX Error ellipse: s-maj=3.2km s-min=4.9km az=-1.0.

MEX V 26 06 52 13.1–.90 19.85N 105.90W 16–79 3.5 ¶14739882

MEX Error ellipse: s-maj=14.1km s-min=77.8km az=-1.0.

MEX VI 16 23 20 34.9–.64 19.20N 104.12W 5–9 3.5 ¶14988843

MEX Error ellipse: s-maj=4.8km s-min=5.3km az=-1.0.

MEX VI 17 23 21 49.4–.38 19.16N 104.11W 15–1 3.7 ¶14988867

MEX Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0.

(56) Near coast of Michoacan.

MEX I 01 21 47 03.3–.44 18.54N 103.41W 27–38 3.5 ¶14597482

MEX Error ellipse: s-maj=10.1km s-min=18.1km az=-1.0.

MEX I 02 06 09 29.1–.29 18.16N 103.47W 3–27 3.5 ¶14597483

MEX Error ellipse: s-maj=19.0km s-min=21.5km az=-1.0.

ISC I 13 08 22 12.9–.58 17.91N–.04 102.69W–.03 32–3 4.2b 327 1-127

NEIC I 13 08 22 13.9 17.93N 102.68W 12 4.2b,4.1 **¶12081175**

MEX I 13 08 22 13.9–.50 17.93N 102.68W 12–7 4.1,4.1

IDC I 13 08 22 13.6–1.0 18.25N 102.37W 29–3 4.3,4.0

ISC Event type ke.

NEIC Event type se. After MEX.

MEX Error ellipse: s-maj=6.8km s-min=3.5km az=-1.0.

IDC Error ellipse: s-maj=34.2km s-min=21.7km az=78.0.

MEX I 15 12 09 35.0–.44 18.30N 103.26W 17–6 3.6 ¶14597531

MEX Error ellipse: s-maj=5.9km s-min=5.5km az=-1.0.

MEX I 24 18 47 16.1–.40 17.73N 103.29W 13–25 3.8 ¶14597579

MEX Error ellipse: s-maj=23.2km s-min=23.3km az=-1.0.

MEX I 25 01 55 29.1–.79 18.12N 103.35W 5 3.8 ¶14597581

MEX Error ellipse: s-maj=7.8km s-min=12.1km az=-1.0.

MEX II 05 19 46 45.0–1.0 18.38N 103.91W 16–30 3.5 ¶14597645

MEX Error ellipse: s-maj=19.3km s-min=24.0km az=-1.0.

MEX II 14 19 18 30.5–1.1 18.06N 103.13W 92–11 3.7 ¶14597702

MEX Error ellipse: s-maj=12.3km s-min=12.9km az=-1.0.

MEX II 17 09 56 09.5–.95 17.96N 102.76W 5 3.6 ¶14597711

MEX Error ellipse: s-maj=12.4km s-min=7.3km az=-1.0.

MEX II 27 15 04 48.9–.58 18.27N 103.18W 63–5 4.2 ¶14597753

MEX Error ellipse: s-maj=5.2km s-min=5.1km az=-1.0.

MEX III 01 10 16 40.0–.49 18.07N 103.29W 6–3 3.9 ¶14597761

MEX Error ellipse: s-maj=5.1km s-min=5.0km az=-1.0.

MEX III 02 21 53 15.2–.84 18.15N 103.41W 5 4.0 ¶14597768

MEX Error ellipse: s-maj=4.1km s-min=4.0km az=-1.0.

MEX III 03 09 55 11.5–.53 18.51N 103.60W 40–8 3.9 ¶14597771

MEX Error ellipse: s-maj=5.4km s-min=7.6km az=-1.0.

MEX III 05 04 27 49.1–.49 18.21N 103.47W 5 3.8 ¶14597782

MEX Error ellipse: s-maj=3.6km s-min=2.2km az=-1.0.

MEX III 09 23 00 06.3–1.0 17.89N 102.73W 4–11 4.0 ¶14597807

MEX Error ellipse: s-maj=11.1km s-min=6.2km az=-1.0.

MEX III 12 14 51 20.5–.46 17.84N 102.59W 20–27 3.8 ¶14597819

MEX Error ellipse: s-maj=6.1km s-min=2.6km az=-1.0.

MEX III 13 12 49 41.6–.67 18.93N 103.17W 49–16 3.5 ¶14597822

MEX Error ellipse: s-maj=3.5km s-min=6.9km az=-1.0.

MEX III 21 21 14 52.4–.64 17.94N 103.28W 55–6 3.7 ¶14597941

MEX Error ellipse: s-maj=7.9km s-min=6.5km az=-1.0.

MEX III 27 15 11 07.3–.43 17.63N 103.22W 16–12 4.0 ¶14597986

MEX Error ellipse: s-maj=12.3km s-min=8.5km az=-1.0.

MEX III 29 02 21 14.8–1.3 18.34N 103.28W 5 3.6
¶14597998

MEX Error ellipse: s-maj=4.8km s-min=6.9km az=-1.0.
MEX III 30 23 21 45.1–.61 18.08N 103.38W 4–4 3.6
¶14598009

MEX Error ellipse: s-maj=4.0km s-min=4.2km az=-1.0.
MEX III 31 01 53 57.7–.50 18.14N 103.44W 6–5 3.7
¶14598010

MEX Error ellipse: s-maj=4.2km s-min=4.9km az=-1.0.
MEX III 31 20 45 58.2–.73 17.87N 103.18W 5 3.5
¶14598015

MEX Error ellipse: s-maj=8.3km s-min=8.1km az=-1.0.
MEX IV 03 02 14 23.5–.57 18.12N 103.32W 17–4 3.5
¶14682547

MEX Error ellipse: s-maj=10.5km s-min=29.8km az=-1.0.
MEX IV 08 16 29 31.3–1.0 17.65N 103.33W 14–14 4.3
¶14682748

MEX Error ellipse: s-maj=13.1km s-min=10.4km az=-1.0.
MEX IV 08 18 10 55.1–1.1 18.70N 103.16W 55–20 3.7
¶14682751

MEX Error ellipse: s-maj=7.3km s-min=10.0km az=-1.0.
MEX IV 09 06 00 42.5–1.1 18.33N 103.26W 5 3.6
¶14682759

MEX Error ellipse: s-maj=4.8km s-min=6.0km az=-1.0.
MEX IV 10 20 24 49.5–.79 17.60N 102.06W 14–10 4.0
¶14682774

MEX Error ellipse: s-maj=9.9km s-min=3.6km az=-1.0.
MEX IV 13 07 30 58.9–.76 18.16N 103.45W 5 3.7
¶14682812

MEX Error ellipse: s-maj=4.3km s-min=3.4km az=-1.0.
MEX IV 13 07 35 24.7–.40 18.16N 103.45W 3–3 3.7
¶14682813

MEX Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0.
MEX IV 14 10 23 21.4–.33 18.25N 103.23W 16–7 3.5
¶14682828

MEX Error ellipse: s-maj=12.3km s-min=10.1km az=-1.0.
MEX V 02 11 12 38.4–.33 18.24N 103.21W 34–6 3.5
¶14739538

MEX Error ellipse: s-maj=6.2km s-min=10.2km az=-1.0.
MEX V 03 08 08 55.2–.74 18.52N 103.00W 10 3.5
¶14739552

MEX Error ellipse: s-maj=4.0km s-min=8.8km az=-1.0.
IDC V 08 08 49 02.2–7.5 17.84N 102.71W 0 3.6,3.5
¶16155508

IDC Error ellipse: s-maj=150.2km s-min=95.7km az=118.0.
MEX V 09 16 14 40.4–.56 17.99N 102.50W 65–16 3.9
¶14739599

MEX Error ellipse: s-maj=12.9km s-min=4.8km az=-1.0.
MEX V 12 07 26 46.6–.34 17.95N 102.07W 30–13 3.7
¶14739609

MEX Error ellipse: s-maj=9.0km s-min=3.4km az=-1.0.
MEX V 20 04 40 49.9–.63 18.22N 103.53W 5 4.0
¶14739846

MEX Error ellipse: s-maj=4.3km s-min=3.1km az=-1.0.
MEX V 22 20 02 37.6–.52 18.50N 103.26W 39–12 3.5
¶14739857

MEX Error ellipse: s-maj=8.3km s-min=8.4km az=-1.0.
MEX V 25 05 55 32.8–.42 18.10N 103.52W 7–4 3.5
¶14739877

MEX Error ellipse: s-maj=3.6km s-min=4.0km az=-1.0.
MEX V 27 17 00 31.9–.70 18.23N 103.54W 5–104 4.0
¶14739889

MEX Error ellipse: s-maj=83.1km s-min=31.8km az=-1.0.
MEX VI 05 08 02 13.6–.29 18.06N 103.24W 8–2 3.6
¶14988616

MEX Error ellipse: s-maj=5.2km s-min=5.3km az=-1.0.
ISC VI 10 01 22 38.4–1.8 17.83N–.10 103.20W–.07 27–11 3.8b 25 0-81
IDC VI 10 01 22 30.8–1.2 17.47N 102.72W 0 4.0,3.8 ¶13681087
ISCJB VI 10 01 22 37.5–1.3 17.79N–.07 103.23W–.06 30–7 3.6b,3.8
MEX VI 10 01 22 39.7–.38 17.87N 103.19W 3–2 4.1,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=55.7km s-min=22.3km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=4.7km az=35.9.
MEX Error ellipse: s-maj=3.2km s-min=2.8km az=-1.0.
MEX VI 30 23 54 28.5–1.1 18.33N 103.45W 49–10 3.6
¶14989223

MEX Error ellipse: s-maj=10.4km s-min=9.5km az=-1.0.

(57) Michoacan.

MEX I 13 01 20 00.4–.66 18.31N 102.47W 5–9 3.8
¶14597521

MEX Error ellipse: s-maj=4.5km s-min=3.0km az=-1.0.
ISC I 26 18 37 29.4–.41 18.38N–.03 102.61W–.03 54–3 4.4b,3.5s 616 1-138
NEIC I 26 18 37 29.8–.44 18.45N 102.64W 50 4.5b,4.5 ¶12082396
MEX I 26 18 37 30.5–.86 18.39N 102.57W 9–9 4.5,4.5
IDC I 26 18 37 30.1–.62 18.55N 102.37W 51–4 4.2,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.1km az=38.0.
MEX Error ellipse: s-maj=4.2km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=23.4km s-min=11.9km az=59.0.
MEX II 04 13 55 42.0–.63 19.49N 102.86W 115–10 3.8
¶14597633

MEX Error ellipse: s-maj=3.0km s-min=5.4km az=-1.0.
MEX II 04 23 23 27.3–.27 19.66N 100.20W 4–8 3.6
¶14597635

MEX Error ellipse: s-maj=7.8km s-min=3.2km az=-1.0.
MEX II 05 03 53 14.7–.88 18.66N 102.66W 132–15 3.8
¶14597636

MEX Error ellipse: s-maj=6.2km s-min=13.2km az=-1.0.
ISC II 05 04 07 52.1–.82 18.5N–.10 102.39W–.05 104–10 3.7b 25 1-85
ISCJB II 05 04 07 51.8–.53 18.52N–.09 102.37W–.04 112–8 3.7b ¶12699575
MEX II 05 04 07 55.4–.67 18.69N 102.30W 12–9 4.2
IDC II 05 04 07 57.6–3.8 19.02N 101.95W 126–29 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=5.5km az=15.9.
MEX Error ellipse: s-maj=7.3km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=56.9km s-min=20.1km az=32.0.
MEX II 14 02 57 02.0–.68 18.82N 102.40W 102–10 3.9
¶14597699

MEX Error ellipse: s-maj=3.1km s-min=2.5km az=-1.0.
MEX II 28 12 02 29.0–.67 18.98N 102.37W 76–19 3.5
¶14597756

MEX Error ellipse: s-maj=5.9km s-min=5.2km az=-1.0.
MEX III 05 00 07 57.0–.27 18.37N 102.70W 4–3 3.7
¶14597777

MEX Error ellipse: s-maj=1.8km s-min=1.6km az=-1.0.
ISC IV 11 09 22 10.7–.29 18.09N–.04 102.26W–.03 30–1 5.0b,4.5s 994 1-151
ISCJB IV 11 09 22 09.0–.20 17.97N–.02 102.31W–.02 28 4.9b,4.5s ¶13438372
BJI IV 11 09 22 09.6 18.20N 102.00W 29 5.4b,5.3b
MEX IV 11 09 22 10.8–.88 17.71N 102.41W 2–7 4.7,5.3b
IDC IV 11 09 22 11.0–.41 18.20N 102.20W 29–2 4.6,4.5
MOS IV 11 09 22 11.2–.98 18.25N 102.09W 33 5.4b,4.5
NEIC IV 11 09 22 11.4–.22 18.17N 102.14W 30 5.0b,4.8
GCMT IV 11 09 22 15.0–.40 17.97N 102.26W 25–0 5.1W,4.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=1.9km az=41.5.
MEX Error ellipse: s-maj=7.0km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=15.1km s-min=8.2km az=59.0.
MOS Error ellipse: s-maj=7.8km s-min=4.4km az=87.4.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.0km az=45.0. Felt [III] at Lazaro Cardenas and [II] at Mexico. Also felt at Huatulco, La Mira and Patzcuaro.

GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s56,c75; s72,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}3.67±.17 $M_{\theta\theta}$-2.62±.12; $M_{\phi\phi}$-1.06±.14; $M_{r\theta}$-2.91±.26; $M_{\theta\phi}$2.17±.11; $M_{\phi r}$0.23±.30; Best double couple: NP1:ϕ_s143.00000°,δ31.00000°,λ122.00000°. NP2:ϕ_s287.00000°,δ64.00000°,λ72.00000°. Principal axes: T 4.8700,Plg66.0000° ,Azm165.0000°; N 0.0400,Plg16.0000°,Azm295.0000°; P -4.9200,Plg17.0000°,Azm30.0000° M_o4.90000×10^{16}
MEX IV 15 21 00 21.7–.29 18.31N 102.37W 32–16 3.8
¶14682847

MEX Error ellipse: s-maj=8.4km s-min=4.5km az=-1.0.
MEX V 20 04 02 17.4–2.0 19.55N 102.74W 90–29 3.9
¶14739844

MEX Error ellipse: s-maj=7.9km s-min=10.3km az=-1.0.

(58) Near coast of Guerrero.

ISC I 02 08 47 24.5–.80 17.69N–.05 101.12W–.04 42–9 3.7b 44 0-56
IDC I 02 08 47 23.3–3.5 17.46N 101.29W 42–10 3.6,3.4 ¶12079812
ISCJB I 02 08 47 23.5–.62 17.71N–.07 101.12W–.04 46–8 3.5b,3.4
NEIC I 02 08 47 25.6 17.73N 101.15W 42 4.0,3.4
MEX I 02 08 47 25.6–.64 17.73N 101.15W 42–14 4.0,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=82.5km s-min=30.7km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.4km az=177.8.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=4.6km s-min=5.7km az=-1.0.
MEX I 02 08 49 18.4–.83 17.60N 101.13W 16–23 3.8
¶14597485

MEX Error ellipse: s-maj=5.0km s-min=14.1km az=-1.0.
MEX I 06 04 04 04.1–.84 16.33N 99.72W 10 3.6
¶14597498

MEX Error ellipse: s-maj=7.1km s-min=5.4km az=-1.0.
MEX I 06 17 22 16.5–1.2 16.08N 99.74W 16–999 4.0
¶14597501

MEX Error ellipse: s-maj=11.0km s-min=8.5km az=-1.0.
MEX I 10 21 58 15.5–.79 16.30N 98.11W 5 3.6
¶14597519

MEX Error ellipse: s-maj=4.8km s-min=4.3km az=-1.0.
MEX I 13 08 44 20.7–.59 16.53N 101.37W 15–14 4.2
NEIC I 13 08 44 20.7 16.53N 101.37W 15 4.2 ¶13989106
MEX Error ellipse: s-maj=9.5km s-min=6.1km az=-1.0.
NEIC Event type se. After MEX.
MEX I 15 08 26 16.1–.45 16.81N 101.67W 25–43 3.9
¶14597529

MEX Error ellipse: s-maj=8.9km s-min=16.8km az=-1.0.
MEX I 16 06 12 55.1–.33 17.83N 101.43W 20–14 4.0
NEIC I 16 06 12 54.4 17.68N 101.44W 44 4.0 ¶13989140
MEX Error ellipse: s-maj=4.4km s-min=1.8km az=-1.0.
NEIC Event type se. After MEX.
MEX I 16 06 42 55.2–1.1 16.55N 98.23W 33–24 3.5
¶14597534

MEX Error ellipse: s-maj=14.4km s-min=10.3km az=-1.0.
ISC I 19 16 11 24.9–1.1 17.22N–.04 101.36W–.03 15–6 4.4b,3.6s 578 0-146
IDC I 19 16 11 22.3–.95 17.20N 101.02W 0 4.5,4.4b ¶11671793
NEIC I 19 16 11 26.3 17.24N 101.41W 5 4.6,4.3b
MEX I 19 16 11 26.3–.55 17.24N 101.41W 5 4.6,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=19.2km az=69.0.
NEIC Event type fe. Felt at Ixtapa. After MEX.
MEX Error ellipse: s-maj=3.1km s-min=3.0km az=-1.0.
MEX I 19 19 10 41.3–.36 16.87N 100.22W 13–2 3.5
¶14597551

MEX Error ellipse: s-maj=3.7km s-min=2.6km az=-1.0.
MEX I 22 11 38 45.9–.67 16.81N 98.65W 38–35 3.5
¶14597565

MEX Error ellipse: s-maj=5.9km s-min=5.1km az=-1.0.
MEX I 23 23 41 16.7–.37 17.19N 101.21W 14–8 3.8
¶14597571

MEX Error ellipse: s-maj=5.6km s-min=3.6km az=-1.0.
MEX I 24 14 05 36.9–1.1 16.82N 100.23W 5 3.8
¶14597578

MEX Error ellipse: s-maj=5.3km s-min=3.8km az=-1.0.
MEX I 25 10 33 59.1–.78 16.23N 98.52W 8–6 4.0
NEIC I 25 10 33 59.1 16.23N 98.52W 8 4.0 ¶13989237
MEX Error ellipse: s-maj=8.0km s-min=4.5km az=-1.0.
NEIC Event type se. After MEX.
MEX I 25 12 38 40.0–.45 17.93N 101.87W 23–28 3.8
NEIC I 25 12 38 40.0 17.93N 101.87W 23 3.8 ¶13989234
MEX Error ellipse: s-maj=6.1km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
MEX I 25 19 46 01.3–.69 16.80N 100.13W 5–3 3.9
¶14597583

MEX Error ellipse: s-maj=5.6km s-min=3.1km az=-1.0.
MEX I 26 14 20 14.3–.55 16.04N 99.40W 21–18 3.8
¶14597586

MEX Error ellipse: s-maj=5.8km s-min=3.4km az=-1.0.
MEX I 27 11 00 57.5–.53 16.65N 99.55W 5 3.5
¶14597589

MEX Error ellipse: s-maj=3.2km s-min=2.6km az=-1.0.
MEX I 29 05 49 21.2–.57 16.69N 98.85W 20–182 3.7
¶14597597

MEX Error ellipse: s-maj=7.8km s-min=5.0km az=-1.0.
MEX I 29 12 22 51.8–.29 17.30N 101.61W 15 3.5
¶14597598

MEX Error ellipse: s-maj=2.3km s-min=3.8km az=-1.0.
MEX I 29 17 44 12.9–.47 16.67N 99.67W 4–3 3.6
¶14597600

MEX Error ellipse: s-maj=5.0km s-min=2.8km az=-1.0.
MEX I 29 20 05 56.0–.98 16.87N 100.00W 12–3 3.5
¶14597601

MEX Error ellipse: s-maj=5.7km s-min=3.4km az=-1.0.
MEX I 30 11 23 37.9–.74 16.83N 100.18W 5 4.0
¶14597603

MEX Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
MEX I 30 18 15 43.2–.63 16.61N 98.96W 17–999 3.8
¶14597607

MEX Error ellipse: s-maj=6.4km s-min=4.0km az=-1.0.
MEX I 31 00 45 18.5–.59 17.14N 101.10W 12–8 3.5
¶14597610

MEX Error ellipse: s-maj=6.6km s-min=3.9km az=-1.0.
ISC I 31 13 24 58.6–.39 17.85N–.03 101.80W–.03 27–2 5.1b,4.5s 839 0-145
NEIC I 31 13 24 57.9 17.66N 101.94W 4 5.2b,5.2 ¶13434096
ISCJB I 31 13 24 58.0–.42 17.69N–.03 101.90W–.02 40–3 5.0b,4.4s
BJI I 31 13 24 58.7 18.43N 100.97W 25 5.4b,5.3b
MEX I 31 13 24 58.0–.38 17.66N 101.94W 5–2 5.1,5.3b
IDC I 31 13 24 59.1–.72 17.95N 101.59W 25–3 4.6,4.5
SZGRF I 31 13 25 11.1 17.88N 101.63W 33 4.9b,4.5
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Ixtapa, [III] at Zihuatanejo and [II] at Mexico. Also felt at Acapulco, Buenavista, La Union, Lazaro Cardenas and Patzcuaro. After MEX.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.2km az=30.0.
MEX Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0.
IDC Error ellipse: s-maj=20.9km s-min=12.6km az=59.0.
SZGRF Near coast of Guerrero, Mexico.
MEX II 01 15 12 52.6–.58 17.93N 101.96W 5–8 4.0
¶14597617

MEX Error ellipse: s-maj=9.2km s-min=3.9km az=-1.0.
MEX II 05 09 53 52.7–.33 17.09N 101.13W 25–9 3.8
¶14597638

MEX Error ellipse: s-maj=3.7km s-min=2.4km az=-1.0.
MEX II 05 19 06 56.1–.59 16.21N 98.06W 4–4 4.0
¶14597644

MEX Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.

MEX II 05 22 42 52.4–.38 17.72N 101.90W 5 3.7
¶14597646

MEX Error ellipse: s-maj=11.4km s-min=4.0km az=-1.0.
MEX II 06 16 13 27.4–.55 17.23N 101.45W 16–8 3.7
¶14597654

MEX Error ellipse: s-maj=5.5km s-min=5.5km az=-1.0.
MEX II 07 04 47 47.9–.63 16.87N 100.31W 4–3 3.6
¶14597658

MEX Error ellipse: s-maj=3.6km s-min=4.0km az=-1.0.
MEX II 10 05 26 12.5–.82 17.37N 101.10W 6–17 3.7
¶14597676

MEX Error ellipse: s-maj=5.3km s-min=9.8km az=-1.0.
MEX II 10 08 37 32.1–.37 16.03N 98.67W 12–9 3.7
¶14597678

MEX Error ellipse: s-maj=7.8km s-min=3.1km az=-1.0.
MEX II 11 09 47 19.9–.71 16.56N 99.04W 8–6 3.8
¶14597681

MEX Error ellipse: s-maj=4.3km s-min=1.8km az=-1.0.
MEX II 12 01 47 38.4–.58 16.86N 99.71W 5 3.5
¶14597686

MEX Error ellipse: s-maj=4.8km s-min=2.6km az=-1.0.
MEX II 12 23 55 16.9–.98 16.95N 100.07W 30–10 3.7
¶14597689

MEX Error ellipse: s-maj=6.6km s-min=5.2km az=-1.0.
MEX II 13 00 00 56.5–.47 16.66N 99.77W 5 3.5
¶14597691

MEX Error ellipse: s-maj=3.4km s-min=2.6km az=-1.0.
ISC II 13 23 00 12.8–1.3 16.46N–.05 99.60W–.03 14–8 3.6b 66 0-50
IDC II 13 23 00 10.7–7.0 16.24N 99.55W 0 4.1,4.0L ¶12700597
ISCJB II 13 23 00 12.6–.74 16.48N–.04 99.60W–.03 28–6 4.0s,3.7b
NEIC II 13 23 00 15.0 16.46N 99.64W 19 4.5,4.2b
MEX II 13 23 00 15.0–.74 16.45N 99.64W 20–3 4.5,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=137.1km s-min=21.5km az=8.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.0km az=26.1.
NEIC Event type fe. Felt at Acapulco. After MEX.
MEX Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
MEX II 14 01 26 24.2–.66 16.07N 99.89W 5 3.7
¶14597697

MEX Error ellipse: s-maj=5.1km s-min=4.5km az=-1.0.
MEX II 14 02 27 27.3–.77 16.04N 98.16W 5 4.0
¶14597698

MEX Error ellipse: s-maj=3.9km s-min=3.0km az=-1.0.
MEX II 15 07 00 28.9–.88 16.74N 98.89W 16–9 3.6
¶14597704

MEX Error ellipse: s-maj=4.0km s-min=3.1km az=-1.0.
ISC II 15 22 25 09.4–1.6 16.61N–.06 100.57W–.04 15–9 4.4b,3.6s 182 1-86
MEX II 15 22 25 08.2–.62 16.46N 100.69W 18–18 4.4,3.6s ¶11713503
ISCJB II 15 22 25 09.5–1.1 16.55N–.06 100.52W–.04 29–6 4.3b,3.6s
NEIC II 15 22 25 11.0 16.64N 100.61W 5 4.5b,4.4
IDC II 15 22 25 13.0–2.9 17.39N 100.26W 0 4.1b,4.1
ISC Event type se.
MEX Error ellipse: s-maj=8.2km s-min=5.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.6km az=7.4.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=58.1km s-min=23.7km az=18.0.
MEX II 16 03 58 05.2–.71 17.31N 101.36W 8–4 3.8
¶14597705

MEX Error ellipse: s-maj=3.9km s-min=2.7km az=-1.0.
MEX II 16 09 26 39.5–.95 16.83N 98.39W 10 3.9
¶14597707

MEX Error ellipse: s-maj=3.3km s-min=3.7km az=-1.0.
MEX II 19 19 05 12.0–.49 16.06N 98.85W 5–8 3.7
¶14597722

MEX Error ellipse: s-maj=6.9km s-min=2.4km az=-1.0.
MEX II 23 00 47 25.8–.51 16.37N 98.48W 8–5 3.7
¶14597736

MEX Error ellipse: s-maj=8.4km s-min=1.8km az=-1.0.
MEX II 24 01 20 17.9–.55 16.90N 100.94W 16–7 4.2
¶14597737

MEX Error ellipse: s-maj=5.2km s-min=2.6km az=-1.0.
MEX II 24 13 12 41.7–.35 17.92N 101.61W 42–5 3.8
¶14597739

MEX Error ellipse: s-maj=3.6km s-min=2.2km az=-1.0.
ISC II 26 01 53 47.5–1.8 16.25N–.08 98.15W–.04 17–8 27 0-5
ISCJB II 26 01 53 47.1–.98 16.25N–.06 98.16W–.03 20–5 ¶14597744
MEX II 26 01 53 49.4–.60 16.26N 98.18W 5 3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.0km az=178.0.
MEX Error ellipse: s-maj=3.8km s-min=2.5km az=-1.0.
MEX II 27 18 44 19.8–.72 17.70N 101.92W 5 3.8
¶14597754

MEX Error ellipse: s-maj=6.8km s-min=2.6km az=-1.0.
MEX II 27 22 48 05.5–.77 16.96N 100.16W 5 4.1
¶14597755

MEX Error ellipse: s-maj=3.4km s-min=2.4km az=-1.0.
MEX III 01 18 34 36.3–.64 16.22N 98.90W 13–9 3.7
¶14597764

MEX Error ellipse: s-maj=6.5km s-min=3.0km az=-1.0.
MEX III 02 02 04 47.2–.51 16.66N 100.45W 18–3 3.8
¶14597765

MEX Error ellipse: s-maj=3.1km s-min=3.1km az=-1.0.
MEX III 03 23 34 52.4–.42 16.54N 98.74W 10–7 3.6
¶14597773

MEX Error ellipse: s-maj=4.8km s-min=4.1km az=-1.0.
MEX III 04 00 19 06.7–.38 16.28N 98.08W 2–3 3.9
¶14597774

MEX Error ellipse: s-maj=3.1km s-min=3.0km az=-1.0.
MEX III 04 05 53 02.3–.41 16.25N 98.14W 5 3.6
¶14597776

MEX Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
MEX III 05 02 17 19.4–.89 16.81N 100.22W 15 3.6
¶14597780

MEX Error ellipse: s-maj=9.7km s-min=8.7km az=-1.0.
MEX III 05 03 21 36.7–.34 16.79N 100.29W 5 3.6
¶14597781

MEX Error ellipse: s-maj=3.7km s-min=2.9km az=-1.0.
MEX III 07 17 00 10.5–.80 16.06N 98.28W 5 3.8
¶14597795

MEX Error ellipse: s-maj=4.4km s-min=5.9km az=-1.0.
MEX III 08 14 36 53.2–1.1 16.69N 100.49W 27–11 3.8
¶14597799

MEX Error ellipse: s-maj=6.7km s-min=3.9km az=-1.0.
MEX III 09 10 36 23.0–1.0 16.08N 98.15W 8–7 3.8
¶14597804

MEX Error ellipse: s-maj=7.9km s-min=7.9km az=-1.0.
MEX III 09 18 55 29.6–1.2 16.85N 100.48W 5 4.0
¶14597806

MEX Error ellipse: s-maj=6.7km s-min=3.7km az=-1.0.
MEX III 11 13 10 45.4–.98 16.89N 100.17W 4–6 3.6
¶14597813

MEX Error ellipse: s-maj=6.6km s-min=4.9km az=-1.0.
MEX III 11 13 25 17.6–.63 17.49N 101.01W 5–14 3.8
¶14597814

MEX Error ellipse: s-maj=6.3km s-min=5.5km az=-1.0.
MEX III 13 16 22 18.6–.68 16.49N 101.16W 17–999 3.6
¶14597824

MEX Error ellipse: s-maj=8.8km s-min=6.3km az=-1.0.
MEX III 13 18 14 10.9–.51 16.86N 100.29W 2–3 3.8
¶14597825

MEX Error ellipse: s-maj=3.4km s-min=3.1km az=-1.0.
MEX III 14 00 57 05.4–.80 17.58N 101.81W 5 4.0
¶14597828

MEX Error ellipse: s-maj=9.3km s-min=4.1km az=-1.0.
MEX III 16 09 54 22.7–.43 16.72N 99.07W 10 3.5
¶14597838

MEX Error ellipse: s-maj=3.6km s-min=2.4km az=-1.0.
ISC III 17 02 31 24.4–.78 16.90N–.04 100.30W–.02 27–5 4.7b,4.1s 562 0-128
ISCJB III 17 02 31 23.9–.40 16.89N–.02 100.27W–.02 33–2 4.5b,4.0s ¶12599160
MEX III 17 02 31 25.5–.52 16.85N 100.34W 17–9 4.8,4.0s
NEIC III 17 02 31 25.5 16.85N 100.34W 17 4.8,4.6b
IDC III 17 02 31 26.6–5.2 17.06N 100.02W 33–38 4.4,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.5km az=22.9.
MEX Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
NEIC Event type fe. Felt at Acapulco. After MEX.
IDC Error ellipse: s-maj=28.3km s-min=12.0km az=51.0.
MEX III 17 08 55 28.9–.81 17.56N 101.29W 24–9 3.9
¶14597840

MEX Error ellipse: s-maj=4.5km s-min=2.5km az=-1.0.
MEX III 17 13 08 53.7–.59 16.30N 98.27W 31–4 3.7
¶14597842

MEX Error ellipse: s-maj=6.9km s-min=5.4km az=-1.0.
MEX III 17 16 03 09.0–.57 16.12N 98.21W 6–6 3.9
¶14597844

MEX Error ellipse: s-maj=5.0km s-min=6.2km az=-1.0.
MEX III 17 16 20 28.8–1.4 17.26N 101.21W 16–16 3.7
¶14597845

MEX Error ellipse: s-maj=10.1km s-min=7.5km az=-1.0.
MEX III 18 15 48 01.9–.86 16.34N 98.17W 5 3.6
¶14597851

MEX Error ellipse: s-maj=7.1km s-min=4.1km az=-1.0.
MEX III 18 22 11 53.8–.89 16.63N 98.06W 25–41 3.7
¶14597854

MEX Error ellipse: s-maj=17.4km s-min=10.1km az=-1.0.
MEX III 19 06 31 13.1–.48 16.89N 100.44W 15–3 3.5
¶14597855

MEX Error ellipse: s-maj=5.3km s-min=3.4km az=-1.0.
MEX III 20 09 59 48.5–.46 16.14N 99.09W 14–11 3.6
¶14597860

MEX Error ellipse: s-maj=9.8km s-min=3.9km az=-1.0.
MEX III 21 01 44 15.4–.90 17.49N 101.02W 20–21 3.8
¶14597938

MEX Error ellipse: s-maj=6.6km s-min=6.5km az=-1.0.
MEX III 23 05 51 44.3–.52 16.44N 99.44W 10 3.5
¶14597951

MEX Error ellipse: s-maj=13.3km s-min=5.7km az=-1.0.
MEX III 24 02 08 47.2–1.2 16.20N 98.07W 27–11 3.8
¶14597955

MEX Error ellipse: s-maj=6.9km s-min=6.6km az=-1.0.
MEX III 24 06 41 20.9–.40 16.66N 100.41W 16–5 3.5
¶14597956

MEX Error ellipse: s-maj=3.5km s-min=2.4km az=-1.0.
MEX III 24 07 19 50.8–.74 16.11N 98.10W 28–11 3.8
¶14597957

MEX Error ellipse: s-maj=6.4km s-min=5.6km az=-1.0.
MEX III 24 15 48 41.3–.59 16.95N 99.45W 31–19 3.7
¶14597959

MEX Error ellipse: s-maj=4.9km s-min=2.3km az=-1.0.
MEX III 25 07 56 06.6–.80 16.93N 100.13W 9–4 3.6
¶14597969

MEX Error ellipse: s-maj=5.9km s-min=3.6km az=-1.0.
MEX III 25 13 05 04.3–.79 16.71N 99.51W 5 3.6
¶14597973

MEX Error ellipse: s-maj=4.7km s-min=2.6km az=-1.0.
MEX III 28 03 52 24.8–.57 17.35N 101.64W 12–4 3.7
¶14597991

MEX Error ellipse: s-maj=5.1km s-min=2.4km az=-1.0.
MEX III 28 04 49 49.1–.33 16.05N 98.14W 14–12 3.7
¶14597992

MEX Error ellipse: s-maj=8.2km s-min=4.0km az=-1.0.
MEX III 29 12 19 15.8–.55 16.46N 98.15W 37–7 3.5
¶14598001

MEX Error ellipse: s-maj=5.9km s-min=5.9km az=-1.0.
MEX III 31 06 49 07.4–.81 16.87N 100.13W 2–6 3.8
¶14598011

MEX Error ellipse: s-maj=6.9km s-min=3.7km az=-1.0.
MEX III 31 10 57 35.7–.42 16.87N 100.31W 5 3.7
¶14598012

MEX Error ellipse: s-maj=2.6km s-min=2.3km az=-1.0.
MEX III 31 19 41 33.9–.60 16.29N 98.09W 8–3 3.8
¶14598014

MEX Error ellipse: s-maj=5.4km s-min=3.5km az=-1.0.
MEX IV 01 02 52 03.6–.48 16.97N 100.47W 4–6 3.6
¶14682504

MEX Error ellipse: s-maj=5.7km s-min=3.0km az=-1.0.
MEX IV 02 01 02 52.7–.43 16.71N 100.48W 8–2 3.7
¶14682523

MEX Error ellipse: s-maj=3.1km s-min=1.7km az=-1.0.
MEX IV 02 14 04 31.2–.49 16.93N 99.79W 10–6 3.7
¶14682525

MEX Error ellipse: s-maj=4.8km s-min=3.6km az=-1.0.
MEX IV 02 23 49 53.8–.66 16.28N 99.04W 16–8 3.8
¶14682527

MEX Error ellipse: s-maj=5.8km s-min=2.2km az=-1.0.
MEX IV 03 00 04 25.1–.42 16.39N 98.98W 22–29 3.8
¶14682545

MEX Error ellipse: s-maj=4.1km s-min=2.2km az=-1.0.
MEX IV 04 02 11 52.8–1.1 16.72N 99.37W 16–8 3.5
¶14682574

MEX Error ellipse: s-maj=8.6km s-min=3.8km az=-1.0.
MEX IV 05 17 28 20.5–.88 16.18N 98.24W 5 3.7
¶14682602

MEX Error ellipse: s-maj=7.1km s-min=4.4km az=-1.0.
MEX IV 09 07 00 21.8–.67 17.66N 101.14W 39–7 3.8
¶14682760

MEX Error ellipse: s-maj=4.4km s-min=2.5km az=-1.0.
MEX IV 11 20 10 20.2–.73 16.71N 99.71W 10–10 3.5
¶14682785

MEX Error ellipse: s-maj=6.2km s-min=3.9km az=-1.0.
MEX IV 13 21 49 43.8–.29 17.95N 101.50W 35 3.6
¶14682815

MEX Error ellipse: s-maj=4.6km s-min=1.8km az=-1.0.
MEX IV 14 14 40 13.2–.41 17.35N 101.27W 6–6 3.5
¶14682833

MEX Error ellipse: s-maj=5.9km s-min=5.0km az=-1.0.
MEX IV 15 20 21 07.7–.32 16.28N 98.01W 24–11 3.5
¶14682846

MEX Error ellipse: s-maj=7.1km s-min=7.8km az=-1.0.
MEX IV 16 10 42 15.5–.30 17.38N 101.49W 28–6 3.5
¶14682855

MEX Error ellipse: s-maj=2.7km s-min=3.7km az=-1.0.
MEX IV 17 21 54 50.5–.69 17.07N 101.18W 9–8 3.7
¶14682868

MEX Error ellipse: s-maj=5.9km s-min=4.5km az=-1.0.
MEX IV 18 00 33 29.1–.62 17.09N 101.15W 28–16 3.5
¶14682871

MEX Error ellipse: s-maj=5.6km s-min=4.4km az=-1.0.
MEX IV 19 02 02 00.1–.38 16.20N 98.10W 5–3 3.7
¶14682878

MEX Error ellipse: s-maj=4.2km s-min=5.1km az=-1.0.
ISC IV 19 02 40 15.6–1.9 17.18N–.05 101.27W–.04 13–13 54 0-46

ISCJB IV 19 02 40 15.5–.74 17.17N–.04 101.27W–.03 23–6 3.7b ¶12935710
MEX IV 19 02 40 16.8–.49 17.18N 101.30W 5 4.3
IDC IV 19 02 40 22.4–7.0 16.93N 100.90W 96–54 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.0km az=30.2.
MEX Error ellipse: s-maj=2.7km s-min=2.2km az=-1.0.
IDC Error ellipse: s-maj=92.8km s-min=31.4km az=25.0.
MEX IV 19 10 12 28.3–.46 16.63N 99.83W 3–5 3.5
¶14682884
MEX Error ellipse: s-maj=4.7km s-min=5.1km az=-1.0.
MEX IV 19 17 17 55.9–.65 16.63N 101.31W 27–18 3.5
¶14682885
MEX Error ellipse: s-maj=5.7km s-min=6.5km az=-1.0.
MEX IV 21 07 22 04.8–1.1 16.42N 98.16W 5 3.6
¶14682898
MEX Error ellipse: s-maj=4.0km s-min=4.0km az=-1.0.
MEX IV 21 13 02 03.4–.66 16.77N 99.05W 30–26 3.5
¶14682899
MEX Error ellipse: s-maj=6.8km s-min=4.1km az=-1.0.
MEX IV 27 02 27 59.2–.39 17.99N 101.95W 8–5 3.8
¶14682942
MEX Error ellipse: s-maj=3.6km s-min=2.1km az=-1.0.
ISC IV 27 16 46 27.5–.27 16.96N–.03 99.57W–.02 32–1 5.7b,5.5s 1732 1-168
BJI IV 27 16 46 25.3 16.40N 98.60W 35 5.9s,5.9b ¶12704953
MOS IV 27 16 46 27.4–.83 17.14N 99.40W 33 5.9b,5.9b
IDC IV 27 16 46 27.9–.47 17.00N 99.38W 31–3 5.4,5.4
MEX IV 27 16 46 27.4–.65 16.88N 99.62W 6–5 5.7,5.4
NEIC IV 27 16 46 28.6–.14 17.03N 99.45W 35 5.8W,5.7b
ISCJB IV 27 16 46 28.5–.35 17.12N–.02 99.43W–.02 44–2 5.6b,5.5s
SZGRF IV 27 16 46 31.8 16.76N 98.43W 38 5.5b,5.5s
TEH IV 27 16 46 31.0 17.14N 99.36W 49 5.6L,5.5s
CASC IV 27 16 46 31.4–2.2 17.03N 99.45W 35 5.7b,5.3
GCMT IV 27 16 46 31.7–.10 17.06N 99.41W 32–0 5.8W,5.3
ISC Event type fe.
MOS Error ellipse: s-maj=6.0km s-min=3.7km az=88.8.
IDC Error ellipse: s-maj=10.3km s-min=6.9km az=58.0.
MEX Error ellipse: s-maj=2.8km s-min=2.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=34.0. Felt [V] at Acapulco; [IV] at Ecatepec, Huixquilucan, Naucalpan and Tlalnepantla; [III] at Acahualco and Mexico; [II] at Cuernavaca, Leon, Puebla and Toluca. Also felt at Atizapan, Celaya, Cholula, Coyuca, Cuautlancingo, Huajuapan, Iguala, Ixtapaluca, Jiutepec, Lerma, Ocoyoacac, Orizaba, Temixco and Tlapa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s280.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s100.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm190.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm10.0000° Moment Tensor Solution. s58
Moment tensor: Scale 10^{17}Nm; M_{rr}1.95 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$-1.06 $M_{r\theta}$-2.48 $M_{\theta\phi}$0.24 $M_{\phi r}$0.48
Best double couple: NP1:ϕ_s286.00000°,δ75.00000°,λ84.00000°. NP2:ϕ_s126.00000° ,δ16.00000°,λ110.00000°. Principal axes: T 3.4100,Plg59.0000°,Azm187.0000° ; N -0.9400,Plg5.0000°,Azm287.0000°; P -2.4700,Plg29.0000°,Azm20.0000°
M_o3.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=1.9km az=34.9.
SZGRF Near coast of Guerrero, Mexico.
CASC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 94, comp=204, per= 50.
Moment Tensor Solution. s97,c209; s68,c85; Moment tensor: Scale 10^{17}Nm; M_{rr}4.17±.06 $M_{\theta\theta}$-5.01±.05; $M_{\phi\phi}$0.84±.06; $M_{r\theta}$-4.97±.11; $M_{\theta\phi}$-0.50±.05; $M_{\phi r}$1.07±.10; Best double couple: NP1:ϕ_s69.00000°,δ23.00000°,λ62.00000°. NP2:ϕ_s279.00000°,δ69.00000°,λ101.00000°. Principal axes: T 6.5900,Plg64.0000°,Azm207.0000°; N 0.6000,Plg11.0000°,Azm95.0000° ; P -7.1900,Plg24.0000°,Azm360.0000° M_o6.90000×10^{17}
MEX IV 27 22 20 00.8–.50 16.84N 99.67W 15 3.6
¶14682950
MEX Error ellipse: s-maj=4.6km s-min=3.3km az=-1.0.
MEX IV 27 23 20 07.9–.34 17.32N 101.36W 22–10 3.5
¶14682951
MEX Error ellipse: s-maj=2.3km s-min=2.5km az=-1.0.
MEX IV 29 02 41 33.8–.71 16.88N 99.58W 26–21 3.5
¶14682960
MEX Error ellipse: s-maj=4.9km s-min=5.1km az=-1.0.
MEX IV 30 01 09 00.5–.82 16.48N 98.19W 9–9 3.5
¶14682972
MEX Error ellipse: s-maj=7.5km s-min=5.4km az=-1.0.
MEX IV 30 19 49 45.7–.76 17.83N 101.42W 30 3.7
¶14682980
MEX Error ellipse: s-maj=5.0km s-min=5.4km az=-1.0.
MEX V 01 04 32 02.4–.97 17.77N 101.88W 5 3.9
¶14739529
MEX Error ellipse: s-maj=6.4km s-min=3.4km az=-1.0.
MEX V 01 07 06 52.2–1.0 17.84N 101.41W 28–8 3.8
¶14739530
MEX Error ellipse: s-maj=4.8km s-min=3.0km az=-1.0.
MEX V 01 23 54 28.7–.40 16.94N 100.11W 7–4 3.6
¶14739534
MEX Error ellipse: s-maj=5.2km s-min=3.1km az=-1.0.
MEX V 02 05 54 55.0–.46 16.99N 100.10W 5–4 3.8
¶14739535
MEX Error ellipse: s-maj=3.8km s-min=2.3km az=-1.0.
MEX V 02 09 09 07.1–.35 16.68N 99.73W 6–2 3.6
¶14739536
MEX Error ellipse: s-maj=3.0km s-min=1.8km az=-1.0.
MEX V 02 10 24 13.0–.29 16.69N 99.77W 9–1 3.5
¶14739537
MEX Error ellipse: s-maj=2.8km s-min=1.9km az=-1.0.
MEX V 02 18 38 58.4–.49 16.69N 99.67W 36–7 3.5
¶14739541
MEX Error ellipse: s-maj=6.0km s-min=5.7km az=-1.0.
MEX V 02 21 36 43.4–.52 17.35N 101.16W 24–19 3.7
¶14739544
MEX Error ellipse: s-maj=3.4km s-min=3.2km az=-1.0.
MEX V 03 00 57 43.9–.86 16.85N 99.65W 36–8 3.6
¶14739547
MEX Error ellipse: s-maj=11.4km s-min=6.4km az=-1.0.
MEX V 03 09 47 15.7–.66 16.59N 100.44W 5 3.6
¶14739554
MEX Error ellipse: s-maj=8.6km s-min=9.8km az=-1.0.
MEX V 05 11 27 59.6–.70 16.17N 99.58W 16–15 3.5
¶14739571
MEX Error ellipse: s-maj=14.6km s-min=8.1km az=-1.0.
MEX V 05 11 53 47.8–.60 16.32N 99.54W 15 3.8
¶14739573
MEX Error ellipse: s-maj=8.1km s-min=4.3km az=-1.0.
MEX V 06 08 53 14.1–.27 16.22N 98.13W 6–6 3.6
¶14739580
MEX Error ellipse: s-maj=2.6km s-min=7.9km az=-1.0.
ISC V 08 00 10 12.5–.88 16.22N–.04 98.13W–.03 25–5 4.7b,4.0s 224 0-147
ISCJB V 08 00 10 09.2–.87 16.03N–.04 98.18W–.03 26–5 4.6b,4.0s ¶12784422
IDC V 08 00 10 10.5–.66 16.47N 98.01W 0 4.5,4.4
MEX V 08 00 10 11.0–.60 16.04N 98.22W 5 4.6,4.4
BJI V 08 00 10 11.4 16.30N 98.10W 12 4.6,4.4
NEIC V 08 00 10 12.8–.86 16.32N 98.06W 22–5 4.7b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.7km az=23.7.
IDC Error ellipse: s-maj=23.9km s-min=12.9km az=65.0.
MEX Error ellipse: s-maj=3.3km s-min=3.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.1km az=212.0.
MEX V 08 16 11 12.9–.27 16.48N 98.29W 15–3 3.7
¶14739593
MEX Error ellipse: s-maj=4.8km s-min=2.7km az=-1.0.
MEX V 09 14 44 35.6–.54 16.14N 98.52W 7–5 4.0
¶14739597
MEX Error ellipse: s-maj=7.7km s-min=5.1km az=-1.0.
MEX V 12 08 52 36.2–.62 16.70N 98.88W 12–9 3.6
¶14739610
MEX Error ellipse: s-maj=4.8km s-min=3.0km az=-1.0.
MEX V 17 06 28 43.2–.88 16.85N 99.60W 12–5 3.5
¶14739751
MEX Error ellipse: s-maj=4.9km s-min=3.7km az=-1.0.
MEX V 18 01 35 39.8–.65 17.34N 101.16W 15 3.5
¶14739826
MEX Error ellipse: s-maj=4.0km s-min=2.8km az=-1.0.
MEX V 18 06 50 58.0–.61 17.70N 101.86W 5 3.5
¶14739829
MEX Error ellipse: s-maj=5.1km s-min=5.2km az=-1.0.
MEX V 18 09 37 30.5–.33 16.88N 100.22W 8–2 3.5
¶14739831
MEX Error ellipse: s-maj=3.9km s-min=3.2km az=-1.0.
MEX V 19 06 50 39.7–.28 16.24N 98.25W 5 3.6
¶14739838
MEX Error ellipse: s-maj=2.8km s-min=4.2km az=-1.0.
MEX V 19 07 19 40.5–.96 16.24N 100.54W 18–29 3.9
¶14739839
MEX Error ellipse: s-maj=5.8km s-min=5.5km az=-1.0.
MEX V 19 22 56 56.6–.72 16.82N 99.67W 32–6 3.7
¶14739841
MEX Error ellipse: s-maj=4.2km s-min=3.8km az=-1.0.
MEX V 20 04 38 52.8–1.1 16.22N 99.37W 15–12 3.7
¶14739845
MEX Error ellipse: s-maj=8.9km s-min=4.4km az=-1.0.
MEX V 21 01 24 38.7–.43 16.79N 99.11W 11–4 4.0
¶14739851
MEX Error ellipse: s-maj=3.0km s-min=1.5km az=-1.0.
MEX V 22 02 30 43.2–.37 17.08N 101.27W 23–20 3.8
¶14739854
MEX Error ellipse: s-maj=5.6km s-min=4.2km az=-1.0.
MEX V 23 08 34 24.6–.72 16.16N 100.08W 16–23 3.6
¶14739861
MEX Error ellipse: s-maj=16.8km s-min=12.4km az=-1.0.
MEX V 23 10 08 08.1–.30 16.43N 98.42W 34–6 3.7
¶14739863
MEX Error ellipse: s-maj=3.5km s-min=2.7km az=-1.0.
MEX V 23 14 55 19.6–.53 16.10N 99.43W 15–9 4.0
¶14739864
MEX Error ellipse: s-maj=6.8km s-min=3.3km az=-1.0.
MEX V 24 11 16 50.9–.37 16.95N 100.39W 5 3.6
¶14739871
MEX Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.
MEX V 24 21 12 06.8–.37 16.81N 100.00W 30–4 3.6
¶14739874
MEX Error ellipse: s-maj=4.6km s-min=3.5km az=-1.0.
MEX V 25 07 40 32.7–.29 16.45N 98.39W 36–9 3.6
¶14739878
MEX Error ellipse: s-maj=4.9km s-min=3.5km az=-1.0.
ISC V 26 05 10 04.4–1.8 16.52N–.08 100.88W–.04 17–8 4.3b,3.5s 96 1-128
MEX V 26 05 10 01.2–1.1 16.23N 101.02W 10 4.5,3.5s ¶13232183
IDC V 26 05 10 05.5–.90 16.81N 100.55W 0 4.2,4.0
NEIC V 26 05 10 09.3–1.5 16.74N 100.47W 27–9 4.5,4.3b
ISC Event type se.
MEX Error ellipse: s-maj=7.4km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=39.9km s-min=16.3km az=65.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.3km az=220.0.
ISC V 26 05 42 48.0–2.5 16.68N–.06 100.70W–.04 6–14 4.4b,3.4s 135 1-128
MEX V 26 05 42 42.2–1.2 16.20N 101.07W 5 4.4,3.4s ¶13679668
IDC V 26 05 42 47.9–.83 16.89N 100.48W 0 4.3,4.1
NEIC V 26 05 42 49.2–.37 16.72N 100.58W 10 4.4b,4.4
ISC Event type se.
MEX Error ellipse: s-maj=9.0km s-min=7.0km az=-1.0.
IDC Error ellipse: s-maj=30.8km s-min=14.2km az=66.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.1km az=211.0.
MEX V 26 06 55 49.9–.79 16.40N 100.99W 12–19 3.8
¶14739883
MEX Error ellipse: s-maj=15.1km s-min=8.0km az=-1.0.
MEX V 26 09 04 31.3–.43 16.24N 100.96W 10 3.7
¶14739884
MEX Error ellipse: s-maj=5.3km s-min=6.2km az=-1.0.
ISC V 26 10 49 52.1–2.2 16.69N–.09 100.76W–.07 13–12 3.9s,3.6b 20 1-98
MEX V 26 10 49 53.1–.84 16.64N 100.91W 26–14 4.2,3.6b ¶13679675
IDC V 26 10 49 55.7–5.9 17.49N 99.85W 0 3.8,3.7
ISC Event type ke.
MEX Error ellipse: s-maj=8.4km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=118.1km s-min=97.0km az=76.0.
MEX V 26 16 26 45.3–.52 17.96N 101.75W 16–7 3.7
¶14739885
MEX Error ellipse: s-maj=3.3km s-min=4.5km az=-1.0.
MEX V 26 20 59 35.9–.83 16.53N 98.20W 20–13 3.7
¶14739886
MEX Error ellipse: s-maj=6.1km s-min=4.4km az=-1.0.
MEX V 27 23 27 21.8–.74 16.86N 99.97W 12–3 3.6
¶14739890
MEX Error ellipse: s-maj=5.6km s-min=3.2km az=-1.0.
ISC V 28 21 06 14.0–1.7 17.42N–.09 101.84W–.05 23–11 3.8b 23 0-46
IDC V 28 21 06 12.1–6.9 17.62N 101.31W 0 4.1,3.9 ¶13679849
ISCJB V 28 21 06 13.7–1.1 17.44N–.07 101.84W–.04 29–6 3.7b,3.9
MEX V 28 21 06 15.4–.60 17.46N 101.84W 7–4 4.0,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=118.1km s-min=46.9km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=5.6km az=11.0.
MEX Error ellipse: s-maj=5.7km s-min=2.9km az=-1.0.
MEX V 30 02 09 02.3–.81 16.93N 99.53W 25–30 3.8
¶14739896
MEX Error ellipse: s-maj=4.0km s-min=3.6km az=-1.0.
MEX V 31 05 40 21.5–.87 16.66N 99.91W 5–4 3.6
¶14739899
MEX Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
MEX V 31 18 27 50.0–.85 16.92N 100.10W 5–4 3.7
¶14739901
MEX Error ellipse: s-maj=4.5km s-min=2.6km az=-1.0.
MEX VI 02 05 43 42.3–.62 16.01N 98.39W 4–6 3.9
¶14988545
MEX Error ellipse: s-maj=5.0km s-min=3.5km az=-1.0.
MEX VI 02 22 06 37.5–.47 16.67N 100.05W 5 3.5
¶14988547
MEX Error ellipse: s-maj=3.7km s-min=2.3km az=-1.0.
MEX VI 03 08 21 55.8–.75 17.33N 101.51W 20–28 3.7
¶14988569
MEX Error ellipse: s-maj=4.9km s-min=6.9km az=-1.0.
MEX VI 04 22 55 32.5–.71 17.86N 101.52W 10–9 3.6
¶14988593
MEX Error ellipse: s-maj=4.7km s-min=3.8km az=-1.0.
MEX VI 05 18 04 19.3–.67 16.81N 99.72W 24–9 3.7
¶14988618
MEX Error ellipse: s-maj=3.6km s-min=3.0km az=-1.0.
MEX VI 06 05 49 04.6–.37 16.98N 100.51W 5–2 3.7
¶14988630
MEX Error ellipse: s-maj=3.0km s-min=1.9km az=-1.0.
MEX VI 07 05 56 27.9–.77 16.98N 100.10W 4–8 3.6
¶14988653
MEX Error ellipse: s-maj=6.2km s-min=3.8km az=-1.0.
MEX VI 07 18 15 35.0–.42 16.50N 98.35W 5–7 3.7
¶14988656
MEX Error ellipse: s-maj=4.1km s-min=2.3km az=-1.0.
MEX VI 09 10 27 44.5–.31 16.91N 100.18W 9–5 3.7
¶14988682

MEX Error ellipse: s-maj=6.6km s-min=8.8km az=-1.0.
MEX VI 09 18 42 09.2–.29 16.95N 100.10W 7–4 3.6
¶14988686

MEX Error ellipse: s-maj=5.5km s-min=3.1km az=-1.0.
MEX VI 10 07 22 18.8–.33 16.39N 98.46W 5–5 4.1
NEIC VI 10 07 22 18.8 16.39N 98.46W 5 4.1 ¶14931370
MEX Error ellipse: s-maj=4.5km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VI 10 21 03 19.5–.65 16.89N 99.61W 37–11 3.7
¶14988706

MEX Error ellipse: s-maj=5.4km s-min=7.6km az=-1.0.
MEX VI 11 03 15 46.4–.42 16.72N 99.66W 10–3 3.8
¶14988733

MEX Error ellipse: s-maj=4.2km s-min=2.7km az=-1.0.
MEX VI 11 04 38 21.7–.38 16.89N 99.59W 27–9 3.8
¶14988734

MEX Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
MEX VI 12 00 38 10.9–.91 16.57N 99.56W 2–13 3.7
¶14988751

MEX Error ellipse: s-maj=7.6km s-min=4.9km az=-1.0.
MEX VI 12 13 44 49.0–.59 16.77N 99.62W 4–8 3.8
¶14988755

MEX Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0.
MEX VI 13 06 39 18.5–.57 16.87N 99.98W 25–6 3.5
¶14988774

MEX Error ellipse: s-maj=5.7km s-min=3.1km az=-1.0.
MEX VI 13 10 28 23.4–.47 16.48N 99.22W 16–999 3.5
¶14988775

MEX Error ellipse: s-maj=6.3km s-min=2.8km az=-1.0.
MEX VI 14 12 56 21.2–.57 16.50N 99.95W 9–3 3.7
¶14988805

MEX Error ellipse: s-maj=4.1km s-min=4.5km az=-1.0.
MEX VI 15 10 22 27.6–.92 17.24N 101.30W 16–10 3.9
¶14988820

MEX Error ellipse: s-maj=7.8km s-min=6.0km az=-1.0.
MEX VI 15 12 07 28.7–.43 16.23N 98.49W 18–41 4.0
NEIC VI 15 12 07 28.9 16.31N 98.49W 10 4.0 ¶14931477
MEX Error ellipse: s-maj=6.0km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VI 16 03 42 15.6–.36 16.93N 100.13W 46–3 3.6
¶14988840

MEX Error ellipse: s-maj=2.9km s-min=3.7km az=-1.0.
MEX VI 17 12 50 14.7–.51 16.54N 99.18W 16–5 3.6
¶14988864

MEX Error ellipse: s-maj=3.5km s-min=2.4km az=-1.0.
MEX VI 17 23 45 31.6–.76 16.62N 99.62W 5–5 3.5
¶14988868

MEX Error ellipse: s-maj=5.8km s-min=4.2km az=-1.0.
ISC VI 18 17 29 40.8–1.1 16.77N–.07 100.42W–.04 21–4 3.4b 24 0-47
IDC VI 18 17 29 24.4–8.8 15.79N 97.63W 0 4.1,3.8 ¶14988888
ISCJB VI 18 17 29 40.4–.92 16.76N–.06 100.42W–.04 33–5 3.3b,3.8
MEX VI 18 17 29 42.5–.94 16.75N 100.42W 12–4 4.1,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=151.8km s-min=52.7km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.6km az=8.4.
MEX Error ellipse: s-maj=4.1km s-min=3.5km az=-1.0.
ISC VI 19 00 23 42.9–1.2 16.75N–.06 99.67W–.04 34–2 30 0-47
IDC VI 19 00 23 39.2–4.5 16.86N 99.45W 0 4.0,3.8 ¶13681626
ISCJB VI 19 00 23 41.9–.59 16.76N–.06 99.68W–.04 41–6 3.6b,3.8
MEX VI 19 00 23 44.3–.72 16.77N 99.66W 30–4 4.2,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=82.4km s-min=39.1km az=33.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.8km az=22.9.
MEX Error ellipse: s-maj=3.5km s-min=3.0km az=-1.0.
MEX VI 19 20 40 23.4–.43 16.41N 98.10W 5 3.5
¶14988920

MEX Error ellipse: s-maj=4.2km s-min=4.0km az=-1.0.
MEX VI 21 05 13 22.6–.60 16.28N 98.05W 5 4.3
¶14988958

MEX Error ellipse: s-maj=6.6km s-min=3.7km az=-1.0.
MEX VI 21 11 24 08.5–.43 16.74N 99.67W 5 3.7
¶14988959

MEX Error ellipse: s-maj=3.2km s-min=2.6km az=-1.0.
MEX VI 21 12 45 29.2–.56 16.92N 99.04W 11–7 3.8
¶14988960

MEX Error ellipse: s-maj=4.0km s-min=3.5km az=-1.0.
MEX VI 22 03 13 26.3–.42 16.58N 99.89W 17–8 3.7
¶14988977

MEX Error ellipse: s-maj=5.4km s-min=3.2km az=-1.0.
MEX VI 23 15 22 00.5–.35 16.15N 99.02W 16–6 3.8
¶14989001

MEX Error ellipse: s-maj=5.3km s-min=1.9km az=-1.0.
MEX VI 24 21 36 11.8–.78 16.80N 99.74W 20–16 3.9
¶14989025

MEX Error ellipse: s-maj=4.5km s-min=4.0km az=-1.0.
MEX VI 25 12 52 48.3–.31 17.38N 101.03W 14–5 3.7
¶14989045

MEX Error ellipse: s-maj=2.4km s-min=1.7km az=-1.0.
MEX VI 26 04 00 45.4–.36 16.55N 99.84W 6–8 3.5
¶14989063

MEX Error ellipse: s-maj=7.0km s-min=4.3km az=-1.0.
MEX VI 27 13 15 26.7–.52 16.98N 99.48W 37–10 3.5
¶14989093

MEX Error ellipse: s-maj=2.7km s-min=2.5km az=-1.0.
MEX VI 27 22 21 48.5–.62 16.79N 99.69W 36–8 3.5
¶14989095

MEX Error ellipse: s-maj=8.1km s-min=5.3km az=-1.0.
MEX VI 29 17 24 18.0–.60 16.37N 98.98W 10–6 4.0
¶14989197

MEX Error ellipse: s-maj=4.6km s-min=2.3km az=-1.0.
MEX VI 29 22 05 21.7–.80 16.69N 100.63W 16–7 3.5
¶14989198

MEX Error ellipse: s-maj=8.3km s-min=4.9km az=-1.0.

(59) Guerrero.
MEX I 01 07 14 28.5–.84 17.29N 100.41W 5 3.6
¶14597480

MEX Error ellipse: s-maj=3.1km s-min=7.4km az=-1.0.
MEX I 02 20 37 37.3–.35 17.71N 100.48W 76–10 3.8
¶14597488

MEX Error ellipse: s-maj=9.6km s-min=3.1km az=-1.0.
MEX I 03 01 12 21.5–.48 17.23N 99.89W 57–6 3.5
¶14597490

MEX Error ellipse: s-maj=2.9km s-min=3.4km az=-1.0.
MEX I 06 09 15 11.4–.68 17.91N 99.75W 60–6 3.5
¶14597499

MEX Error ellipse: s-maj=3.9km s-min=4.5km az=-1.0.
MEX I 06 21 04 59.5–1.2 17.09N 100.43W 23–14 3.6
¶14597502

MEX Error ellipse: s-maj=10.9km s-min=6.5km az=-1.0.
MEX I 09 05 50 41.3–.52 18.48N 99.37W 7–2 3.6
¶14597513

MEX Error ellipse: s-maj=2.4km s-min=3.3km az=-1.0.
MEX I 12 16 36 42.6–.91 18.69N 100.96W 66–15 4.2
¶14597520

MEX Error ellipse: s-maj=3.2km s-min=3.8km az=-1.0.
MEX I 13 22 58 44.0–.75 17.01N 99.10W 32–118 3.7
¶14597526

MEX Error ellipse: s-maj=7.6km s-min=3.2km az=-1.0.
ISC I 14 17 04 34.2–.51 18.12N–.03 100.06W–.02 55–4 4.1b 268 0-129
ISCJB I 14 17 04 33.6–.27 18.09N–.02 100.04W–.02 60–3 4.1b ¶13404863

NEIC I 14 17 04 35.8 18.10N 100.07W 51 4.0b
MEX I 14 17 04 35.8–.84 18.10N 100.07W 51–7 4.4
IDC I 14 17 04 35.1–1.3 18.34N 99.96W 55–5 4.1,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.3km az=8.3.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=2.6km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=32.7km s-min=21.2km az=28.0.
MEX I 16 09 47 24.6–.58 17.20N 99.89W 35–7 3.6
¶14597535

MEX Error ellipse: s-maj=2.8km s-min=2.4km az=-1.0.
ISC I 17 22 26 32.7–.87 18.17N–.06 100.89W–.03 77–11 3.2b 29 1-54
IDC I 17 22 26 30.1–8.1 17.74N 101.35W 83–52 3.5L,3.5 ¶12081578
ISCJB I 17 22 26 32.0–.42 18.16N–.05 100.89W–.03 84–8 3.3b,3.5
MEX I 17 22 26 35.1–.67 18.20N 100.87W 56–21 4.1,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=133.0km s-min=37.1km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.1km az=8.3.
MEX Error ellipse: s-maj=5.4km s-min=3.4km az=-1.0.
MEX I 18 04 49 07.2–.43 18.00N 100.61W 75–11 3.7
¶14597544

MEX Error ellipse: s-maj=5.1km s-min=2.5km az=-1.0.
MEX I 20 02 32 19.6–.52 17.12N 100.01W 5 4.0
¶14597553

MEX Error ellipse: s-maj=1.5km s-min=1.7km az=-1.0.
MEX I 20 23 50 10.1–.69 17.05N 99.59W 20–17 3.6
¶14597559

MEX Error ellipse: s-maj=7.8km s-min=3.8km az=-1.0.
MEX I 22 22 55 48.0–.87 17.12N 100.35W 5 3.8
¶14597567

MEX Error ellipse: s-maj=4.7km s-min=5.3km az=-1.0.
MEX I 24 00 13 55.2–.47 17.19N 100.33W 20–8 3.6
¶14597572

MEX Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0.
MEX I 25 11 04 12.2–.39 17.40N 100.88W 16–5 3.7
¶14597582

MEX Error ellipse: s-maj=2.9km s-min=1.8km az=-1.0.
MEX I 25 11 46 29.1–1.2 18.06N 100.84W 74–19 4.0
NEIC I 25 11 46 29.1 18.06N 100.84W 74 4.0 ¶13989236
MEX Error ellipse: s-maj=7.7km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.
MEX I 28 08 46 11.0–.44 17.09N 99.84W 47–8 3.5
¶14597593

MEX Error ellipse: s-maj=5.4km s-min=3.9km az=-1.0.
MEX I 30 12 18 14.0–1.2 18.05N 100.79W 60 4.2
¶14597605

MEX Error ellipse: s-maj=7.0km s-min=5.7km az=-1.0.
ISC II 01 17 43 45.6–.91 17.26N–.05 100.18W–.03 46–10 3.8b 33 0-57
ISCJB II 01 17 43 44.3–.45 17.24N–.04 100.19W–.03 50–5 3.7b,2.2s ¶12699346
MEX II 01 17 43 46.6–.61 17.25N 100.19W 45–6 4.3,2.2s
IDC II 01 17 43 55.8–7.5 17.77N 99.79W 112–44 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=3.5.
MEX Error ellipse: s-maj=3.6km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=92.7km s-min=24.7km az=11.0.
MEX II 03 23 35 50.7–.78 17.02N 99.97W 15–12 3.5
¶14597628

MEX Error ellipse: s-maj=5.5km s-min=6.6km az=-1.0.
MEX II 05 10 24 39.3–.62 17.89N 99.97W 42–14 3.7
¶14597639

MEX Error ellipse: s-maj=5.7km s-min=9.9km az=-1.0.
MEX II 05 11 45 00.3–.89 17.28N 100.19W 32–11 3.1
¶14597640

MEX Error ellipse: s-maj=5.3km s-min=4.5km az=-1.0.
MEX II 06 06 06 54.6–.49 18.13N 101.64W 72–8 3.9
¶14597648

MEX Error ellipse: s-maj=5.3km s-min=4.5km az=-1.0.
MEX II 06 15 06 39.9–.85 17.18N 100.28W 31–7 3.5
¶14597652

MEX Error ellipse: s-maj=4.9km s-min=3.7km az=-1.0.
MEX II 08 15 22 59.5–.54 17.01N 99.65W 6–3 3.6
¶14597664

MEX Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
MEX II 08 16 39 22.2–.50 17.19N 100.25W 25–9 3.6
¶14597665

MEX Error ellipse: s-maj=2.8km s-min=3.9km az=-1.0.
MEX II 09 12 18 02.7–.97 18.12N 99.02W 55–14 3.7
¶14597670

MEX Error ellipse: s-maj=3.5km s-min=6.3km az=-1.0.
MEX II 18 10 53 33.1–1.0 17.36N 100.54W 20 3.5
¶14597716

MEX Error ellipse: s-maj=4.7km s-min=3.8km az=-1.0.
MEX II 21 10 05 43.9–.86 17.19N 100.38W 20–10 3.6
¶14597731

MEX Error ellipse: s-maj=9.2km s-min=5.5km az=-1.0.
MEX II 21 18 30 00.0–.62 17.01N 98.95W 60–23 3.6
¶14597732

MEX Error ellipse: s-maj=4.1km s-min=3.5km az=-1.0.
MEX II 28 08 52 06.8–.89 18.20N 101.82W 6–10 4.0
NEIC II 28 08 52 06.7 18.20N 101.82W 5 4.0 ¶11788669
MEX Error ellipse: s-maj=5.8km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX III 02 05 21 01.1–.70 18.06N 101.58W 25–26 3.7
¶14597767

MEX Error ellipse: s-maj=5.6km s-min=2.3km az=-1.0.
MEX III 05 06 10 52.9–.38 17.25N 100.40W 10–6 3.6
¶14597783

MEX Error ellipse: s-maj=3.8km s-min=3.8km az=-1.0.
MEX III 05 13 22 48.9–.57 17.95N 98.17W 61–6 3.8
¶14597784

MEX Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
MEX III 06 23 43 14.9–.95 18.34N 102.00W 52–47 3.8
¶14597789

MEX Error ellipse: s-maj=14.6km s-min=4.9km az=-1.0.
MEX III 08 20 52 08.9–.58 17.13N 100.35W 36–7 3.7
¶14597801

MEX Error ellipse: s-maj=5.5km s-min=2.8km az=-1.0.
MEX III 08 23 25 54.3–.90 18.18N 100.70W 46–10 3.7
¶14597802

MEX Error ellipse: s-maj=5.9km s-min=5.2km az=-1.0.
MEX III 09 18 32 03.3–1.1 17.14N 100.11W 25 3.9
¶14597805

MEX Error ellipse: s-maj=3.0km s-min=3.4km az=-1.0.
MEX III 10 16 38 41.4–.67 18.22N 100.67W 53–6 3.8
¶14597809

MEX Error ellipse: s-maj=3.7km s-min=2.8km az=-1.0.
MEX III 12 03 40 24.4–.84 17.13N 100.28W 42–8 3.7
¶14597818

MEX Error ellipse: s-maj=7.4km s-min=4.1km az=-1.0.
MEX III 13 15 40 33.5–.67 17.10N 100.04W 40–9 3.5
¶14597823

MEX Error ellipse: s-maj=4.1km s-min=4.8km az=-1.0.
MEX III 16 09 03 00.4–.48 18.40N 101.42W 56–12 3.7
¶14597836

MEX Error ellipse: s-maj=5.7km s-min=3.8km az=-1.0.
MEX III 17 04 00 04.8–.48 18.03N 101.65W 38–13 3.9
¶14597839

MEX Error ellipse: s-maj=5.1km s-min=1.7km az=-1.0.
MEX III 17 11 16 36.1–.52 17.95N 100.63W 57–8 3.6
¶14597841

MEX Error ellipse: s-maj=5.2km s-min=5.4km az=-1.0.

MEX III 18 13 17 09.3–.48 18.40N 100.67W 61–7 3.6
¶14597850

MEX Error ellipse: s-maj=8.4km s-min=5.3km az=-1.0.
MEX III 20 02 00 18.7–.81 17.81N 98.36W 56–7 3.9
¶14597858

MEX Error ellipse: s-maj=2.9km s-min=2.4km az=-1.0.
MEX III 20 15 30 51.7–.61 17.99N 100.38W 59–5 4.0
¶14597861

MEX Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
MEX III 20 21 13 53.4–.77 17.54N 100.82W 40 3.9
¶14597862

MEX Error ellipse: s-maj=3.4km s-min=2.9km az=-1.0.
MEX III 21 08 10 48.8–.71 17.39N 99.94W 61–14 3.5
¶14597939

MEX Error ellipse: s-maj=4.4km s-min=8.4km az=-1.0.
MEX III 21 22 00 56.0–.74 18.30N 100.41W 70–6 3.6
¶14597942

MEX Error ellipse: s-maj=4.8km s-min=3.9km az=-1.0.
MEX III 23 10 04 50.1–.79 18.14N 100.39W 53–5 4.0
NEIC III 23 10 04 50.0 18.14N 100.39W 53 4.0 **¶14269752**
MEX Error ellipse: s-maj=3.7km s-min=3.4km az=-1.0.
NEIC Event type se. After MEX.
MEX III 23 17 56 07.5–.61 17.37N 100.84W 4–6 3.8
¶14597952

MEX Error ellipse: s-maj=2.8km s-min=2.1km az=-1.0.
MEX III 24 20 33 02.8–.68 17.67N 100.98W 69–12 3.6
¶14597963

MEX Error ellipse: s-maj=4.4km s-min=4.2km az=-1.0.
ISC III 27 08 48 16.2–.32 17.39N–.03 100.77W–.03 45–2 5.3b,4.9s 1107 1-150
IDC III 27 08 48 09.8–.55 17.48N 100.66W 0 4.9,4.9 **¶13437426**
BJI III 27 08 48 13.7 17.61N 100.19W 25 5.6b,5.4s
ISCJB III 27 08 48 16.0–.30 17.45N–.02 100.67W–.02 54–2 5.2b,4.9s
NEIC III 27 08 48 16.9 17.40N 100.80W 22 5.4b,5.3W
MEX III 27 08 48 16.9–.66 17.40N 100.80W 22–10 5.3,5.3W
MOS III 27 08 48 17.3–.86 17.56N 100.56W 57 5.6b,4.9s
GCMT III 27 08 48 19.8–.20 17.42N 100.60W 39–0 5.3W,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=11.6km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=1.9km az=33.1.
NEIC Event type se. After MEX. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s322.00000° ,δ39.00000°,λ95.00000°. NP2:ϕ_s136.00000°,δ51.00000°,λ86.00000°. Principal axes: T 0.9600,Plg83.0000°,Azm22.0000°; N 0.1000,Plg2.0000°,Azm138.0000° ; P -1.0600,Plg6.0000°,Azm228.0000° $M_0$1.00000×10^{17}
MEX Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=7.1km s-min=4.2km az=86.4.
GCMT Event type se. Data Used: II CN IU IC G. Moment Tensor Solution. s83,c133; s81,c134; Moment tensor: Scale 10^{17}Nm; M_{rr}1.18±.03 $M_{\theta\theta}$-1.23±.02; $M_{\phi\phi}$0.05±.02; $M_{r\theta}$0.20±.02; $M_{\theta\phi}$0.11±.02; $M_{\phi r}$-0.31±.02; Best double couple: NP1:ϕ_s262.00000°,δ41.00000°,λ70.00000°. NP2:ϕ_s108.00000°,δ52.00000°,λ107.00000°. Principal axes: T 1.2700,Plg76.0000° ,Azm74.0000°; N -0.0100,Plg13.0000°,Azm277.0000°; P -1.2600,Plg5.0000°,Azm186.0000° $M_0$1.30000×10^{17}
MEX III 27 08 57 52.8–.60 17.36N 100.81W 24–68 3.5
¶14597977

MEX Error ellipse: s-maj=7.7km s-min=4.9km az=-1.0.
MEX III 27 09 14 02.5–.32 17.36N 100.83W 22–58 3.5
¶14597979

MEX Error ellipse: s-maj=4.4km s-min=2.6km az=-1.0.
MEX III 27 09 32 48.6–.51 17.35N 100.81W 16–12 3.6
¶14597980

MEX Error ellipse: s-maj=3.8km s-min=5.2km az=-1.0.
MEX III 27 10 01 58.0–.46 17.35N 100.84W 26–18 3.7
¶14597981

MEX Error ellipse: s-maj=4.5km s-min=4.1km az=-1.0.
MEX III 27 10 11 06.0–.58 17.36N 100.85W 32–20 3.7
¶14597982

MEX Error ellipse: s-maj=5.3km s-min=3.1km az=-1.0.
MEX III 27 10 45 36.1–.54 17.38N 100.85W 22–23 3.7
¶14597983

MEX Error ellipse: s-maj=3.6km s-min=2.6km az=-1.0.
MEX III 27 10 55 40.7–.38 17.35N 100.83W 10–7 3.5
¶14597984

MEX Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0.
MEX III 27 11 11 49.7–.43 17.34N 100.85W 16–10 3.7
¶14597985

MEX Error ellipse: s-maj=4.7km s-min=4.5km az=-1.0.
MEX III 27 18 29 32.9–.95 18.05N 99.06W 54–9 3.7
¶14597987

MEX Error ellipse: s-maj=3.1km s-min=3.2km az=-1.0.
MEX III 29 02 26 16.3–.86 18.57N 101.18W 62–14 3.8
¶14597999

MEX Error ellipse: s-maj=3.7km s-min=3.3km az=-1.0.
MEX III 30 05 21 21.1–.42 17.15N 99.92W 39–7 4.2
NEIC III 30 05 21 21.1 17.15N 99.92W 39 4.2 **¶14269806**
MEX Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX III 30 19 18 27.3–.68 17.12N 100.64W 9–3 4.0
¶14598008

MEX Error ellipse: s-maj=3.7km s-min=3.2km az=-1.0.
MEX IV 01 02 19 44.5–.94 17.14N 100.38W 34–10 3.8
¶14682503

MEX Error ellipse: s-maj=5.7km s-min=3.8km az=-1.0.
MEX IV 01 10 41 19.0–.50 17.24N 100.48W 52–7 3.6
¶14682505

MEX Error ellipse: s-maj=3.5km s-min=3.8km az=-1.0.
MEX IV 01 23 11 01.8–.43 18.21N 100.39W 67–4 3.8
¶14682507

MEX Error ellipse: s-maj=4.2km s-min=3.1km az=-1.0.
MEX IV 03 18 57 04.4–.79 17.97N 99.36W 58–6 3.7
¶14682550

MEX Error ellipse: s-maj=2.7km s-min=2.8km az=-1.0.
MEX IV 03 21 59 28.9–.36 18.14N 100.97W 65–7 3.7
¶14682552

MEX Error ellipse: s-maj=5.0km s-min=3.4km az=-1.0.
MEX IV 04 15 11 12.7–.83 18.00N 99.86W 51–5 3.5
¶14682575

MEX Error ellipse: s-maj=3.0km s-min=2.9km az=-1.0.
MEX IV 06 03 25 46.5–.80 17.19N 99.69W 26–23 3.6
¶14682626

MEX Error ellipse: s-maj=3.5km s-min=3.4km az=-1.0.
MEX IV 07 17 12 10.8–.58 17.16N 99.75W 49–7 3.5
¶14682647

MEX Error ellipse: s-maj=2.6km s-min=3.6km az=-1.0.
MEX IV 09 03 21 48.0–.54 17.02N 100.27W 4–8 3.8
¶14682758

MEX Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
MEX IV 11 04 38 08.9–1.0 17.53N 100.89W 30 3.8
¶14682781

MEX Error ellipse: s-maj=4.5km s-min=3.4km az=-1.0.
MEX IV 11 11 33 05.0–.35 17.36N 100.80W 4–4 3.5
¶14682783

MEX Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0.
MEX IV 17 00 03 22.3–.76 17.20N 100.00W 49–10 3.9
¶14682865

MEX Error ellipse: s-maj=4.8km s-min=5.5km az=-1.0.
MEX IV 19 02 54 33.7–.93 18.12N 101.73W 26–14 4.1
¶14682879

MEX Error ellipse: s-maj=5.6km s-min=3.4km az=-1.0.
MEX IV 19 06 21 50.5–1.2 17.99N 98.03W 61–8 3.6
¶14682882

MEX Error ellipse: s-maj=4.7km s-min=4.1km az=-1.0.

MEX IV 22 15 44 24.3–.65 17.88N 98.19W 53–37 3.7
¶14682908

MEX Error ellipse: s-maj=5.0km s-min=7.0km az=-1.0.
MEX IV 25 03 04 01.2–.42 18.03N 101.89W 16–6 3.5
¶14682930

MEX Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
MEX IV 28 23 24 29.0–.66 18.05N 100.44W 75–12 3.5
¶14682957

MEX Error ellipse: s-maj=6.8km s-min=7.5km az=-1.0.
MEX IV 29 04 46 07.0–.46 17.18N 100.76W 4–3 3.5
¶14682962

MEX Error ellipse: s-maj=3.0km s-min=1.8km az=-1.0.
MEX IV 30 09 48 46.9–.44 18.04N 99.66W 52–3 3.6
¶14682978

MEX Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.
ISC V 01 23 38 39.3–.43 17.08N–.03 99.66W–.03 37–0 4.4b,3.5s 224 0-146
ISCJB V 01 23 38 38.2–.32 17.09N–.02 99.65W–.02 45–3 4.4b,3.6s **¶14739532**
IDC V 01 23 38 39.5–.62 17.23N 99.52W 35–4 4.1,3.9
NEIC V 01 23 38 40.2 17.05N 99.68W 44 4.7,4.5b
MEX V 01 23 38 40.2–.57 17.05N 99.68W 44–7 4.7,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.9km az=19.5.
IDC Error ellipse: s-maj=17.4km s-min=10.4km az=58.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=2.7km s-min=2.3km az=-1.0.
MEX V 02 14 21 06.1–.36 18.37N 100.55W 40–6 3.6
¶14739539

MEX Error ellipse: s-maj=3.7km s-min=2.6km az=-1.0.
MEX V 02 21 20 48.9–1.0 18.21N 100.89W 46–14 4.0
¶14739543

MEX Error ellipse: s-maj=5.4km s-min=5.3km az=-1.0.
MEX V 03 17 09 39.0–.48 18.10N 100.61W 63–6 3.7
¶14739558

MEX Error ellipse: s-maj=3.2km s-min=2.7km az=-1.0.
MEX V 04 06 55 27.3–.62 17.87N 100.48W 55–7 3.6
¶14739565

MEX Error ellipse: s-maj=2.6km s-min=2.9km az=-1.0.
MEX V 04 15 27 23.4–.51 18.29N 100.29W 54–4 3.7
¶14739566

MEX Error ellipse: s-maj=3.8km s-min=3.3km az=-1.0.
MEX V 05 01 04 29.0–.53 17.01N 100.09W 5 3.5
¶14739567

MEX Error ellipse: s-maj=2.8km s-min=2.1km az=-1.0.
MEX V 06 15 29 41.8–.81 17.36N 100.81W 27–11 3.9
¶14739581

MEX Error ellipse: s-maj=3.2km s-min=2.3km az=-1.0.
MEX V 07 20 47 40.0–.45 18.15N 101.71W 56–8 3.9
¶14739587

MEX Error ellipse: s-maj=4.7km s-min=3.5km az=-1.0.
MEX V 08 06 25 48.4–.62 17.29N 99.81W 14–5 3.7
¶14739592

MEX Error ellipse: s-maj=1.7km s-min=2.2km az=-1.0.
MEX V 09 19 41 52.6–.47 17.02N 99.93W 39–6 3.6
¶14739600

MEX Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
MEX V 11 21 19 16.7–.33 18.29N 100.11W 60–4 3.5
¶14739608

MEX Error ellipse: s-maj=2.5km s-min=2.2km az=-1.0.
MEX V 13 19 06 36.4–.71 17.85N 99.10W 61–9 3.6
¶14739621

MEX Error ellipse: s-maj=3.5km s-min=2.5km az=-1.0.
ISC V 14 14 37 49.6–.91 18.08N–.03 100.13W–.03 53–8 3.3b 41 0-56
IDC V 14 14 37 37.4–6.4 17.77N 98.95W 0 3.8,3.6 **¶13678941**
ISCJB V 14 14 37 48.7–.33 18.07N–.03 100.14W–.02 60–5 3.2b,3.6
MEX V 14 14 37 51.2–.54 18.08N 100.13W 54–3 4.0,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=126.4km s-min=106.8km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=173.0.
MEX Error ellipse: s-maj=1.7km s-min=1.6km az=-1.0.
MEX V 15 01 33 19.7–.30 17.84N 100.18W 60–5 3.5
¶14739663

MEX Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0.
MEX V 15 04 38 52.6–.49 18.12N 100.83W 68–8 3.5
¶14739664

MEX Error ellipse: s-maj=4.7km s-min=3.4km az=-1.0.
MEX V 17 12 49 04.7–.46 18.31N 100.61W 54–4 3.5
¶14739752

MEX Error ellipse: s-maj=4.0km s-min=5.2km az=-1.0.
MEX V 17 19 22 12.4–.69 18.34N 101.03W 76–9 3.5
¶14739756

MEX Error ellipse: s-maj=5.3km s-min=3.6km az=-1.0.
MEX V 17 19 25 41.4–1.1 18.27N 100.70W 56–11 3.5
¶14739757

MEX Error ellipse: s-maj=7.6km s-min=5.6km az=-1.0.
MEX V 18 05 45 39.0–.71 18.34N 99.80W 57–6 3.5
¶14739828

MEX Error ellipse: s-maj=3.4km s-min=3.2km az=-1.0.
MEX V 18 22 29 27.6–.40 17.20N 100.55W 5 3.6
¶14739835

MEX Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0.
MEX V 22 03 02 25.0–.69 17.26N 100.70W 34–14 4.0
¶14739855

MEX Error ellipse: s-maj=3.5km s-min=2.2km az=-1.0.
MEX V 23 18 58 42.2–.35 17.46N 100.71W 9–4 4.3
¶14739867

MEX Error ellipse: s-maj=1.5km s-min=1.7km az=-1.0.
MEX V 25 08 54 53.3–.71 18.15N 101.55W 32–19 3.7
¶14739879

MEX Error ellipse: s-maj=10.6km s-min=4.2km az=-1.0.
MEX V 30 05 59 24.4–.60 17.17N 100.14W 47–9 3.6
¶14739897

MEX Error ellipse: s-maj=5.1km s-min=7.3km az=-1.0.
MEX V 31 22 20 43.7–.55 17.98N 100.72W 49–8 3.6
¶14739903

MEX Error ellipse: s-maj=3.0km s-min=3.4km az=-1.0.
MEX VI 02 00 44 27.1–.53 17.12N 99.77W 36–12 3.6
¶14988544

MEX Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0.
MEX VI 03 12 53 52.8–1.0 17.21N 100.04W 31–17 3.6
¶14988570

MEX Error ellipse: s-maj=5.3km s-min=5.7km az=-1.0.
MEX VI 04 04 07 20.9–.75 17.21N 100.33W 28–7 3.7
¶14988587

MEX Error ellipse: s-maj=3.1km s-min=2.6km az=-1.0.
MEX VI 04 17 59 08.0–.52 18.18N 101.56W 11–5 3.7
¶14988592

MEX Error ellipse: s-maj=2.6km s-min=1.7km az=-1.0.
MEX VI 05 04 44 48.8–.99 18.01N 100.09W 54–11 3.7
¶14988615

MEX Error ellipse: s-maj=4.3km s-min=4.4km az=-1.0.
MEX VI 05 10 08 40.4–.70 17.16N 100.26W 38–5 3.7
¶14988617

MEX Error ellipse: s-maj=3.2km s-min=3.0km az=-1.0.
MEX VI 06 06 53 40.5–.34 17.55N 99.52W 9–2 3.7
¶14988632

MEX Error ellipse: s-maj=1.8km s-min=2.2km az=-1.0.
MEX VI 08 19 34 24.5–.76 17.23N 100.35W 14–6 3.7
¶14988672

MEX Error ellipse: s-maj=4.7km s-min=6.8km az=-1.0.
MEX VI 09 03 23 17.1–.75 17.04N 100.71W 6–4 3.8
¶14988680

MEX Error ellipse: s-maj=5.3km s-min=3.4km az=-1.0.
MEX VI 09 09 05 32.7–.50 18.44N 99.86W 5–4 3.7

MEX Error ellipse: s-maj=2.5km s-min=1.3km az=-1.0.
MEX VI 09 13 41 28.2–.80 18.22N 99.43W 5 3.7

MEX Error ellipse: s-maj=2.5km s-min=4.3km az=-1.0.
MEX VI 09 15 21 56.5–.69 17.26N 100.48W 42–10 4.0

MEX Error ellipse: s-maj=4.7km s-min=3.1km az=-1.0.
MEX VI 09 22 05 29.5–.54 17.06N 100.13W 5 4.0

MEX Error ellipse: s-maj=3.9km s-min=2.7km az=-1.0.
MEX VI 10 15 38 08.7–.39 17.20N 100.35W 40–9 3.8

MEX Error ellipse: s-maj=6.2km s-min=6.0km az=-1.0.
MEX VI 10 16 57 14.6–.64 17.73N 98.76W 57–5 4.0

MEX Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0.
MEX VI 14 02 50 04.6–.70 18.17N 100.84W 43–9 4.1

MEX Error ellipse: s-maj=3.9km s-min=3.1km az=-1.0.
MEX VI 16 05 05 15.8–1.0 18.48N 99.73W 5 3.5

MEX Error ellipse: s-maj=2.9km s-min=4.2km az=-1.0.
MEX VI 16 16 56 20.1–.31 17.32N 100.82W 4–3 3.7

MEX Error ellipse: s-maj=1.5km s-min=1.4km az=-1.0.
MEX VI 19 01 40 45.5–.53 18.71N 101.29W 22–54 3.6

MEX Error ellipse: s-maj=6.2km s-min=4.0km az=-1.0.
MEX VI 20 08 19 23.7–.29 18.37N 100.27W 56–2 3.6

MEX Error ellipse: s-maj=2.0km s-min=1.6km az=-1.0.
MEX VI 21 00 37 09.5–.75 17.12N 100.82W 16–8 3.9

MEX Error ellipse: s-maj=5.1km s-min=3.2km az=-1.0.
MEX VI 21 02 45 37.5–.51 17.01N 100.11W 6–8 3.7

MEX Error ellipse: s-maj=7.0km s-min=4.5km az=-1.0.
MEX VI 22 00 10 37.4–.59 17.04N 99.54W 30–46 3.7

MEX Error ellipse: s-maj=4.4km s-min=5.3km az=-1.0.
MEX VI 22 10 35 37.9–.63 17.77N 98.32W 67–15 3.8

MEX Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0.
MEX VI 24 08 55 10.3–.32 17.09N 99.78W 9–5 3.6

MEX Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
MEX VI 24 12 35 52.0–.31 18.27N 100.35W 55–4 3.6

MEX Error ellipse: s-maj=4.0km s-min=3.4km az=-1.0.
MEX VI 25 05 21 38.4–.32 18.36N 100.16W 56–5 3.5

MEX Error ellipse: s-maj=3.8km s-min=3.1km az=-1.0.
MEX VI 27 04 02 37.6–.92 18.56N 101.17W 50–23 3.8

MEX Error ellipse: s-maj=8.3km s-min=4.9km az=-1.0.
MEX VI 28 16 36 48.0–.57 18.04N 100.63W 55–5 3.5

MEX Error ellipse: s-maj=2.7km s-min=2.2km az=-1.0.
MEX VI 28 22 20 32.6–.92 17.15N 100.42W 30–9 3.6

MEX Error ellipse: s-maj=5.3km s-min=3.5km az=-1.0.
ISC VI 28 23 59 15.2–.67 18.29N–.03 101.04W–.03 60–6 3.9b
ISCJB VI 28 23 59 14.5–.35 18.27N–.03 101.03W–.03 68–5 3.8b
MEX VI 28 23 59 17.1–.75 18.29N 101.04W 55–9 4.4
NEIC VI 28 23 59 17.1 18.29N 101.04W 55 4.4
IDC VI 28 23 59 17.8–5.4 18.42N 100.72W 84–45 3.9,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.7km az=28.4.
MEX Error ellipse: s-maj=2.5km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=43.5km s-min=25.5km az=45.0.
MEX VI 29 22 17 43.5–.66 17.44N 100.72W 23–28 3.6

MEX Error ellipse: s-maj=3.9km s-min=2.9km az=-1.0.
MEX VI 30 06 45 11.8–.64 18.21N 100.02W 57–7 3.6

MEX Error ellipse: s-maj=3.3km s-min=3.4km az=-1.0.

(60) Oaxaca.

MEX I 03 17 59 45.9–.54 16.09N 97.57W 16–12 3.6

MEX Error ellipse: s-maj=8.0km s-min=3.6km az=-1.0.
MEX I 04 11 19 08.2–1.1 16.95N 94.77W 121–9 3.9

MEX Error ellipse: s-maj=8.3km s-min=4.0km az=-1.0.
MEX I 07 12 17 31.0–.84 16.12N 97.22W 30 3.7

MEX Error ellipse: s-maj=5.1km s-min=3.1km az=-1.0.
MEX I 08 03 29 12.6–.48 17.69N 95.92W 117–6 3.9

MEX Error ellipse: s-maj=5.0km s-min=2.4km az=-1.0.
MEX I 08 10 49 34.3–.82 16.74N 94.87W 108–9 3.6

MEX Error ellipse: s-maj=6.7km s-min=4.7km az=-1.0.
MEX I 08 11 19 40.7–.27 16.09N 97.18W 4–4 3.5

MEX Error ellipse: s-maj=2.1km s-min=1.2km az=-1.0.
MEX I 09 16 51 44.7–1.0 17.17N 95.03W 129–7 4.1

MEX Error ellipse: s-maj=7.4km s-min=3.5km az=-1.0.
MEX I 10 04 54 27.5–.48 17.00N 94.98W 63–5 3.9

MEX Error ellipse: s-maj=4.3km s-min=2.7km az=-1.0.
MEX I 10 12 53 00.6–1.1 16.95N 94.97W 117–8 3.8

MEX Error ellipse: s-maj=7.1km s-min=3.3km az=-1.0.
MEX I 10 14 27 06.4–.48 16.03N 97.26W 14–8 3.7

MEX Error ellipse: s-maj=3.4km s-min=2.4km az=-1.0.
MEX I 12 19 13 20.1–.40 17.81N 95.62W 27–10 3.9
NEIC I 12 19 13 20.1 17.81N 95.62W 27 3.9
MEX Error ellipse: s-maj=4.6km s-min=1.7km az=-1.0.
NEIC Event type se. After MEX.
MEX I 14 11 10 18.7–.84 16.82N 94.79W 115–7 3.8
NEIC I 14 11 10 18.8 16.80N 94.80W 114 3.8
MEX Error ellipse: s-maj=6.9km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX I 14 14 54 54.9–.74 16.54N 94.67W 101–7 4.0

MEX Error ellipse: s-maj=4.8km s-min=2.4km az=-1.0.
MEX I 18 00 49 43.4–.63 17.75N 95.26W 129–9 3.9

MEX Error ellipse: s-maj=7.6km s-min=5.3km az=-1.0.
MEX I 18 06 39 09.3–.34 16.21N 97.61W 5–10 3.6

MEX Error ellipse: s-maj=6.1km s-min=4.7km az=-1.0.
MEX I 19 06 30 24.3–.60 16.97N 95.16W 111–7 3.6

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MEX Error ellipse: s-maj=6.7km s-min=3.6km az=-1.0.
MEX I 20 19 08 32.4–.92 16.88N 95.25W 119–13 3.7 ¶14597557

MEX Error ellipse: s-maj=17.6km s-min=7.6km az=-1.0.
MEX I 22 11 11 21.6–1.1 16.80N 94.54W 126–15 3.7 ¶14597563

MEX Error ellipse: s-maj=13.0km s-min=7.7km az=-1.0.
MEX I 23 01 49 36.6–.75 16.94N 94.94W 123–10 3.6 ¶14597569

MEX Error ellipse: s-maj=8.3km s-min=8.1km az=-1.0.
MEX I 23 06 02 32.1–.96 16.78N 94.52W 124–9 3.9
NEIC I 23 06 02 33.0 16.74N 94.51W 117 3.9 ¶13989209
MEX Error ellipse: s-maj=7.4km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX I 24 03 55 00.5–.73 16.47N 96.11W 77–10 3.9 ¶14597573

MEX Error ellipse: s-maj=3.8km s-min=4.0km az=-1.0.
MEX I 24 04 16 37.5–.58 16.17N 97.64W 7–6 4.1 ¶14597574

MEX Error ellipse: s-maj=7.4km s-min=3.2km az=-1.0.
MEX I 24 06 07 42.9–.51 16.86N 95.01W 112–6 3.8 ¶14597575

MEX Error ellipse: s-maj=4.5km s-min=3.2km az=-1.0.
MEX I 24 09 31 41.4–.69 16.52N 96.01W 73–11 4.0 ¶14597577

MEX Error ellipse: s-maj=4.7km s-min=3.4km az=-1.0.
ISC I 27 11 22 59.4–.99 18.00N–.03 97.63W–.04 55–9 3.6b 46 0-46
IDC I 27 11 22 48.8–8.1 17.88N 97.13W 0 4.0,3.8b ¶12082468
ISCJB I 27 11 22 58.2–.38 17.99N–.03 97.63W–.03 68–5 3.5b,3.8b
MEX I 27 11 23 00.7–.82 18.05N 97.60W 56–5 4.3,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=153.7km s-min=52.2km az=7.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.3km az=44.8.
MEX Error ellipse: s-maj=2.7km s-min=3.0km az=-1.0.
MEX I 29 05 09 33.8–1.1 16.09N 94.85W 8–14 4.0 ¶14597596

MEX Error ellipse: s-maj=9.7km s-min=4.3km az=-1.0.
MEX I 30 11 26 05.2–1.4 16.88N 95.22W 105–13 3.9 ¶14597604

MEX Error ellipse: s-maj=9.9km s-min=4.5km az=-1.0.
MEX I 30 22 24 43.6–.59 17.30N 96.84W 5–6 3.7 ¶14597608

MEX Error ellipse: s-maj=3.9km s-min=4.6km az=-1.0.
MEX I 31 08 21 47.9–1.2 16.91N 95.33W 98–10 4.1
NEIC I 31 08 21 47.9 16.91N 95.33W 98 4.1 ¶13989286
MEX Error ellipse: s-maj=6.2km s-min=3.7km az=-1.0.
NEIC Event type se. After MEX.
MEX II 02 02 27 18.6–.52 16.62N 94.53W 115–8 3.7 ¶14597618

MEX Error ellipse: s-maj=5.6km s-min=2.5km az=-1.0.
MEX II 02 10 03 59.8–1.3 16.92N 95.32W 109–13 4.0
NEIC II 02 10 04 00.2 16.91N 95.31W 105 4.0 ¶14189211
MEX Error ellipse: s-maj=9.3km s-min=5.4km az=-1.0.
NEIC Event type se. After MEX.
MEX II 03 03 19 41.5–.91 16.63N 94.45W 128–8 3.9 ¶14597621

MEX Error ellipse: s-maj=6.7km s-min=3.3km az=-1.0.
MEX II 03 11 57 58.2–.44 16.13N 95.03W 23–24 3.7 ¶14597623

MEX Error ellipse: s-maj=4.0km s-min=3.7km az=-1.0.
MEX II 03 17 43 33.7–.38 16.61N 97.97W 20–29 3.5 ¶14597625

MEX Error ellipse: s-maj=4.4km s-min=5.9km az=-1.0.
MEX II 03 23 12 12.0–.85 16.39N 94.10W 135–16 4.0 ¶14597627

MEX Error ellipse: s-maj=10.2km s-min=4.0km az=-1.0.
MEX II 05 12 15 01.0–1.2 16.95N 95.27W 107–9 3.7 ¶14597641

MEX Error ellipse: s-maj=7.5km s-min=4.2km az=-1.0.
MEX II 05 15 19 11.3–.57 16.19N 95.24W 58–13 3.8 ¶14597642

MEX Error ellipse: s-maj=6.5km s-min=6.6km az=-1.0.
MEX II 08 18 22 00.5–.53 16.64N 96.38W 70–8 3.8 ¶14597666

MEX Error ellipse: s-maj=2.5km s-min=3.1km az=-1.0.
MEX II 09 22 04 25.5–1.0 17.16N 95.77W 115–9 3.9 ¶14597672

MEX Error ellipse: s-maj=6.7km s-min=3.4km az=-1.0.
MEX II 10 04 00 02.9–.68 16.74N 94.10W 140–9 4.0 ¶14597675

MEX Error ellipse: s-maj=7.9km s-min=4.9km az=-1.0.
MEX II 10 15 17 48.3–.95 17.96N 97.43W 60–8 3.9 ¶14597679

MEX Error ellipse: s-maj=4.1km s-min=4.0km az=-1.0.
MEX II 11 12 43 08.3–.76 17.63N 95.28W 120–8 3.9 ¶14597682

MEX Error ellipse: s-maj=8.3km s-min=3.2km az=-1.0.
ISC II 16 01 52 59.8–.64 16.73N–.05 94.67W–.03 109–5 4.4b 144 0-133
ISCJB II 16 01 52 59.1–.28 16.67N–.04 94.67W–.03 117–3 4.3b ¶12088197
IDC II 16 01 52 59.3–.50 16.82N 94.57W 100–4 3.7,3.6
MEX II 16 01 53 01.9–1.3 16.65N 94.71W 104–11 4.2,3.6
NEIC II 16 01 53 02.0 16.61N 94.72W 98 4.7b,4.2
CASC II 16 01 53 20.8–2.0 16.34N 92.85W 0–798 4.7b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.5km az=29.2.
IDC Error ellipse: s-maj=15.9km s-min=11.5km az=77.0.
MEX Error ellipse: s-maj=8.2km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=900.3km s-min=999.9km az=-1.0.
MEX II 16 06 25 40.8–.64 16.28N 96.11W 69–7 4.2 ¶14597706

MEX Error ellipse: s-maj=3.1km s-min=2.4km az=-1.0.
ISC II 18 05 41 33.8–.38 16.84N–.04 94.68W–.03 107–3 4.8b 706 0-134
SZGRF II 18 05 41 20.2 16.17N 95.34W 33 5.4b ¶11682581
IDC II 18 05 41 33.2–.43 16.81N 94.60W 102–3 4.4,4.3
ISCJB II 18 05 41 34.5–.20 17.03N–.03 94.36W–.03 109 4.7b,4.3
MEX II 18 05 41 35.3–1.7 16.78N 94.75W 109–14 4.8,4.3
BJI II 18 05 41 35.1 16.90N 94.30W 108 5.0b,4.3
NEIC II 18 05 41 35.5–.29 16.95N 94.38W 115–2 4.8b,4.8
ISC Event type fe.
SZGRF Oaxaca, Mexico.
IDC Error ellipse: s-maj=18.5km s-min=9.3km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.1km az=38.5.
MEX Error ellipse: s-maj=11.2km s-min=4.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.1km az=48.0. Felt [II] at Oaxaca. Also felt at Huatulco and San Cristobal de las Casas.
MEX II 18 06 22 45.5–.81 16.73N 94.71W 114–9 3.9 ¶14597712

MEX Error ellipse: s-maj=7.6km s-min=3.7km az=-1.0.
MEX II 19 01 08 28.7–.46 17.34N 95.62W 83–10 3.9 ¶14597719

MEX Error ellipse: s-maj=6.5km s-min=3.8km az=-1.0.
MEX II 19 02 09 24.3–.42 16.10N 97.52W 20–28 3.6 ¶14597720

MEX Error ellipse: s-maj=3.1km s-min=2.3km az=-1.0.
MEX II 19 21 23 36.3–.72 16.42N 95.19W 76–17 3.7 ¶14597723

MEX Error ellipse: s-maj=6.4km s-min=4.9km az=-1.0.
MEX II 20 00 12 53.7–.67 16.00N 96.88W 20–91 3.5 ¶14597724

MEX Error ellipse: s-maj=4.8km s-min=6.2km az=-1.0.

MEX II 21 05 26 52.4–.36 16.14N 95.08W 9–5 3.8

MEX Error ellipse: s-maj=2.4km s-min=1.8km az=-1.0.
MEX II 22 15 29 06.2–.83 16.09N 96.02W 6–10 3.9

MEX Error ellipse: s-maj=7.0km s-min=3.4km az=-1.0.
MEX II 24 17 14 10.2–.62 16.73N 95.67W 82–8 3.8

MEX Error ellipse: s-maj=3.3km s-min=2.5km az=-1.0.
MEX II 25 09 36 12.7–.67 16.29N 97.86W 5 3.8

MEX Error ellipse: s-maj=5.1km s-min=2.4km az=-1.0.
MEX II 26 17 44 40.7–.44 16.12N 95.67W 59–6 4.1

MEX Error ellipse: s-maj=2.9km s-min=2.1km az=-1.0.
MEX II 27 02 12 29.2–.98 17.56N 95.10W 135–9 4.1

MEX Error ellipse: s-maj=7.9km s-min=4.0km az=-1.0.
MEX II 27 10 51 46.8–1.1 16.34N 94.84W 74–16 4.1

MEX Error ellipse: s-maj=6.5km s-min=3.3km az=-1.0.
MEX II 27 14 49 52.7–1.4 16.64N 95.36W 79–13 4.2

MEX Error ellipse: s-maj=6.9km s-min=4.1km az=-1.0.
MEX II 28 15 12 29.8–1.1 16.27N 96.27W 25–33 3.6

MEX Error ellipse: s-maj=5.4km s-min=7.5km az=-1.0.
MEX III 01 02 19 47.0–1.0 16.94N 95.50W 102–11 3.7

MEX Error ellipse: s-maj=10.9km s-min=4.7km az=-1.0.
MEX III 01 14 02 44.2–.96 16.81N 94.91W 113–9 3.5

MEX Error ellipse: s-maj=8.3km s-min=4.2km az=-1.0.
MEX III 07 02 57 23.6–1.1 16.16N 96.05W 56–12 3.9

MEX Error ellipse: s-maj=5.3km s-min=3.6km az=-1.0.
MEX III 10 01 05 16.6–1.3 17.27N 95.05W 30–11 3.8

MEX Error ellipse: s-maj=11.8km s-min=6.9km az=-1.0.
MEX III 14 00 30 46.4–.95 16.96N 94.60W 125–8 4.0

MEX Error ellipse: s-maj=8.0km s-min=3.6km az=-1.0.
MEX III 14 04 39 23.0–1.1 16.40N 94.33W 105–14 4.0

MEX Error ellipse: s-maj=9.8km s-min=3.5km az=-1.0.
MEX III 15 03 32 42.7–.40 16.04N 97.45W 14–6 3.8

MEX Error ellipse: s-maj=4.4km s-min=1.8km az=-1.0.
MEX III 15 09 01 21.7–.53 16.28N 97.99W 10–3 3.9

MEX Error ellipse: s-maj=5.4km s-min=2.6km az=-1.0.
MEX III 18 05 50 37.8–1.1 16.20N 94.57W 61–30 3.8

MEX Error ellipse: s-maj=8.1km s-min=3.5km az=-1.0.
MEX III 18 18 14 50.2–.50 16.17N 97.71W 5 3.6

MEX Error ellipse: s-maj=5.1km s-min=2.1km az=-1.0.
MEX III 21 19 13 29.3–.52 16.24N 97.92W 32–12 3.5

MEX Error ellipse: s-maj=8.4km s-min=8.8km az=-1.0.
MEX III 22 17 33 00.6–.95 16.48N 94.94W 84–10 3.9

MEX Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0.
MEX III 22 18 27 28.1–1.2 16.76N 94.58W 127–19 4.0

MEX Error ellipse: s-maj=13.5km s-min=4.2km az=-1.0.
MEX III 22 19 39 14.1–1.1 16.98N 95.23W 115–10 3.7

MEX Error ellipse: s-maj=7.7km s-min=4.1km az=-1.0.
MEX III 25 02 39 34.7–1.0 16.57N 94.21W 119–11 3.8

MEX Error ellipse: s-maj=9.2km s-min=3.2km az=-1.0.
MEX III 25 12 14 10.0–.90 16.62N 94.34W 117–14 3.8

MEX Error ellipse: s-maj=11.0km s-min=3.8km az=-1.0.
MEX III 27 19 15 08.0–1.0 16.17N 97.93W 5 3.9

MEX Error ellipse: s-maj=8.4km s-min=4.8km az=-1.0.
MEX III 27 21 19 03.4–.41 16.21N 97.62W 9–5 3.9

MEX Error ellipse: s-maj=2.7km s-min=1.4km az=-1.0.
MEX III 29 20 48 17.3–.38 16.72N 94.97W 110–6 4.0

MEX Error ellipse: s-maj=4.3km s-min=3.0km az=-1.0.
MEX III 30 05 14 29.6–.81 16.86N 95.44W 96–12 3.9

MEX Error ellipse: s-maj=7.3km s-min=5.4km az=-1.0.
MEX IV 01 20 16 45.2–.34 16.23N 97.57W 18–205 3.7

MEX Error ellipse: s-maj=5.5km s-min=3.7km az=-1.0.
MEX IV 02 20 42 12.7–.60 16.46N 96.26W 50–13 4.0

MEX Error ellipse: s-maj=3.9km s-min=5.3km az=-1.0.
MEX IV 03 23 07 50.2–.47 16.03N 97.80W 26–9 3.9

MEX Error ellipse: s-maj=6.9km s-min=3.9km az=-1.0.
MEX IV 04 18 18 34.3–1.1 16.49N 96.23W 53–17 3.6

MEX Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
MEX IV 05 13 51 21.0–.98 16.87N 95.41W 111–9 3.7

MEX Error ellipse: s-maj=6.5km s-min=3.6km az=-1.0.
MEX IV 06 03 48 38.6–.94 16.96N 95.04W 121–7 4.3

MEX Error ellipse: s-maj=6.4km s-min=3.3km az=-1.0.
MEX IV 06 09 55 09.5–.77 16.74N 94.05W 147–8 3.7

MEX Error ellipse: s-maj=10.5km s-min=3.3km az=-1.0.
MEX IV 07 06 04 36.0–.69 16.13N 97.28W 12–9 3.5

MEX Error ellipse: s-maj=4.5km s-min=2.6km az=-1.0.
MEX IV 07 09 12 38.7–.32 16.01N 96.92W 12–4 3.5

MEX Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0.
MEX IV 07 11 41 55.7–.73 16.87N 95.42W 127–13 3.8

MEX Error ellipse: s-maj=6.4km s-min=4.2km az=-1.0.
MEX IV 07 12 47 01.0–1.2 17.33N 97.34W 26–31 3.5

MEX Error ellipse: s-maj=3.8km s-min=5.6km az=-1.0.
MEX IV 08 17 43 48.1–.82 16.79N 96.23W 73–9 3.5

MEX Error ellipse: s-maj=4.2km s-min=3.0km az=-1.0.
MEX IV 09 00 24 21.6–.66 16.83N 96.24W 68–13 3.8

MEX Error ellipse: s-maj=5.4km s-min=3.1km az=-1.0.
MEX IV 10 05 44 55.4–.67 16.22N 97.41W 34–35 3.5

MEX Error ellipse: s-maj=5.9km s-min=5.8km az=-1.0.
MEX IV 10 14 08 27.3–1.1 16.84N 94.79W 110–10 3.6

¶14597730

MEX Error ellipse: s-maj=9.7km s-min=3.9km az=-1.0.
MEX IV 14 10 46 09.6–.49 16.00N 95.92W 59–7 3.5

¶14682830

¶14597734

MEX Error ellipse: s-maj=4.4km s-min=5.8km az=-1.0.
MEX IV 15 09 12 11.1–.60 16.06N 97.58W 16–16 3.7

¶14682842

¶14597740

MEX Error ellipse: s-maj=11.1km s-min=8.2km az=-1.0.
MEX IV 15 14 30 58.3–1.1 16.88N 94.70W 118–9 4.2

¶14682845

¶14597742

MEX Error ellipse: s-maj=10.0km s-min=3.5km az=-1.0.
MEX IV 21 17 19 26.6–.65 17.94N 96.19W 113–13 3.6

¶14682901

¶14597747

MEX Error ellipse: s-maj=8.1km s-min=4.6km az=-1.0.
MEX IV 26 15 47 00.8–.47 17.05N 96.25W 101–5 3.6

¶14682937

¶14597749

MEX Error ellipse: s-maj=4.8km s-min=5.5km az=-1.0.
MEX V 01 19 53 11.1–1.0 17.39N 95.15W 138–10 3.7

¶14739531

¶14597751

MEX Error ellipse: s-maj=12.1km s-min=5.3km az=-1.0.
MEX V 03 00 21 21.3–1.2 16.98N 94.58W 132–9 4.1

¶14739546

¶14597752

MEX Error ellipse: s-maj=9.1km s-min=3.9km az=-1.0.
MEX V 04 06 22 49.1–.67 16.04N 97.30W 9–7 3.8

¶14739564

¶14597757

MEX Error ellipse: s-maj=4.0km s-min=2.5km az=-1.0.
MEX V 05 20 01 02.9–.98 16.87N 94.82W 128–14 4.2

¶14739576

¶14597758

MEX Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
MEX V 06 08 16 52.8–1.0 17.44N 95.14W 137–19 4.2
NEIC V 06 08 16 52.8 17.44N 95.14W 137 4.2 ¶14643692

¶14597762

MEX Error ellipse: s-maj=8.5km s-min=3.6km az=-1.0.
NEIC Event type se. After MEX.
MEX V 08 01 26 57.6–1.2 17.25N 95.28W 128–22 3.9

¶14739591

¶14597791

MEX Error ellipse: s-maj=9.7km s-min=5.4km az=-1.0.
MEX V 09 08 17 46.8–.71 16.01N 94.38W 111–13 4.0
NEIC V 09 08 17 45.9 15.82N 94.35W 116 4.0 ¶14644257

¶14597808

MEX Error ellipse: s-maj=10.9km s-min=2.4km az=-1.0.
NEIC Event type se. After MEX.
MEX V 09 15 43 51.8–1.1 16.35N 97.93W 10–15 3.7

¶14739598

¶14597827

MEX Error ellipse: s-maj=8.5km s-min=5.6km az=-1.0.
MEX V 09 22 57 37.5–1.3 16.93N 94.75W 143–20 3.9

¶14739601

¶14597829

MEX Error ellipse: s-maj=12.3km s-min=4.3km az=-1.0.
MEX V 10 18 24 42.4–.62 16.23N 94.55W 99–16 3.8

¶14739604

¶14597831

MEX Error ellipse: s-maj=7.9km s-min=3.2km az=-1.0.
MEX V 11 05 27 25.8–.50 17.05N 96.46W 75–5 3.5

¶14739605

¶14597832

MEX Error ellipse: s-maj=5.6km s-min=5.9km az=-1.0.
MEX V 12 09 45 29.9–1.0 16.63N 95.26W 112–15 3.9

¶14739611

¶14597846

MEX Error ellipse: s-maj=8.0km s-min=3.8km az=-1.0.
MEX V 12 11 20 22.2–.48 16.15N 97.64W 11–6 3.5

¶14739612

¶14597852

MEX Error ellipse: s-maj=4.6km s-min=2.0km az=-1.0.
MEX V 12 14 19 32.4–.33 17.65N 95.46W 118–11 3.5

¶14739613

¶14597940

MEX Error ellipse: s-maj=5.1km s-min=6.0km az=-1.0.
MEX V 13 15 41 10.6–.79 16.73N 95.62W 60–18 4.0

¶14739620

¶14597945

MEX Error ellipse: s-maj=4.5km s-min=3.7km az=-1.0.
MEX V 14 03 38 27.7–.38 16.10N 97.65W 10–6 3.5

¶14739659

¶14597946

MEX Error ellipse: s-maj=5.1km s-min=1.6km az=-1.0.
MEX V 14 12 00 16.5–.51 16.52N 95.65W 103–5 4.0
NEIC V 14 12 00 16.5 16.52N 95.65W 103 4.0 ¶14645315

¶14597947

MEX Error ellipse: s-maj=3.6km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
MEX V 14 14 54 58.3–.65 16.59N 94.19W 116–10 4.0

¶14739662

¶14597966

MEX Error ellipse: s-maj=5.8km s-min=3.6km az=-1.0.
MEX V 15 06 17 59.7–.63 17.13N 96.12W 101–6 3.8

¶14739665

¶14597972

MEX Error ellipse: s-maj=4.5km s-min=3.9km az=-1.0.
MEX V 15 08 28 34.6–.40 16.45N 96.56W 8–4 3.5

¶14739666

¶14597989

MEX Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0.
MEX V 16 06 26 52.5–.85 16.71N 94.53W 120–16 3.8

¶14739743

¶14597990

MEX Error ellipse: s-maj=8.4km s-min=3.4km az=-1.0.
MEX V 16 07 06 03.2–.60 16.24N 96.17W 36–8 3.5

¶14739745

¶14598003

MEX Error ellipse: s-maj=2.7km s-min=4.4km az=-1.0.
MEX V 17 14 21 37.1–.32 16.06N 95.54W 31–12 3.6

¶14739754

¶14598005

MEX Error ellipse: s-maj=8.8km s-min=2.8km az=-1.0.
MEX V 18 11 52 43.8–.70 16.07N 97.72W 10–10 3.5

¶14739833

¶14682506

MEX Error ellipse: s-maj=6.1km s-min=3.0km az=-1.0.
MEX V 18 23 52 17.3–.78 16.34N 95.68W 87–10 3.9

¶14739836

¶14682526

MEX Error ellipse: s-maj=6.2km s-min=3.9km az=-1.0.
MEX V 21 22 30 36.0–.53 16.30N 96.31W 30–13 3.5

¶14739853

¶14682554

MEX Error ellipse: s-maj=4.6km s-min=5.7km az=-1.0.
ISC V 27 12 38 30.8–.84 17.08N–.08 95.11W–.04 119–12 3.6b 20 2-57
ISCJB V 27 12 38 29.5–.50 16.89N–.10 95.16W–.04 136–9 3.5b ¶13679744
MEX V 27 12 38 30.5–.86 16.94N 95.18W 150–14 4.1

¶14682576

IDC V 27 12 38 36.6–4.8 17.61N 94.79W 142–46 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=5.4km az=9.0.

¶14682601

MEX Error ellipse: s-maj=8.1km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=43.8km s-min=19.8km az=44.0.
MEX V 28 02 11 49.3–.42 16.18N 95.78W 10–7 3.6

¶14682627

¶14739892

MEX Error ellipse: s-maj=4.0km s-min=2.4km az=-1.0.
MEX V 30 15 16 37.2–.89 16.90N 94.84W 101–10 4.2
NEIC V 30 15 16 37.2 16.90N 94.84W 101 4.2 ¶14649063

¶14682631

MEX Error ellipse: s-maj=3.6km s-min=2.3km az=-1.0.
NEIC Event type se. After MEX.
MEX V 31 20 08 43.7–.36 16.42N 96.18W 63–6 3.6

¶14739902

¶14682642

MEX Error ellipse: s-maj=2.9km s-min=4.8km az=-1.0.
MEX VI 01 17 53 57.5–1.1 16.74N 94.04W 144–14 3.8

¶14988534

¶14682643

MEX Error ellipse: s-maj=7.0km s-min=4.8km az=-1.0.
MEX VI 02 20 23 21.0–.72 17.28N 95.40W 118–8 4.2

¶14988546

¶14682644

MEX Error ellipse: s-maj=3.0km s-min=2.6km az=-1.0.
MEX VI 03 14 24 21.1–.29 16.23N 94.72W 80–11 4.0

¶14988571

¶14682646

MEX Error ellipse: s-maj=6.3km s-min=1.1km az=-1.0.
MEX VI 06 06 36 33.0–.65 17.42N 97.51W 52–11 3.7

¶14988631

¶14682749

MEX Error ellipse: s-maj=3.1km s-min=5.5km az=-1.0.
MEX VI 12 04 56 32.8–.59 16.22N 94.60W 65–26 4.1

¶14988753

¶14682757

MEX Error ellipse: s-maj=11.1km s-min=2.3km az=-1.0.
MEX VI 12 08 52 09.4–.56 16.62N 94.76W 64–27 3.7

¶14682771

¶14682773

¶14988754
MEX Error ellipse: s-maj=10.4km s-min=3.1km az=-1.0.
MEX VI 17 19 00 43.7–.99 16.66N 94.63W 81–26 3.9

¶14988866
MEX Error ellipse: s-maj=10.0km s-min=3.8km az=-1.0.
MEX VI 19 20 02 47.0–.37 16.61N 94.92W 105–12 3.9

¶14988919
MEX Error ellipse: s-maj=10.5km s-min=3.0km az=-1.0.
MEX VI 20 09 15 26.9–.41 17.03N 95.28W 75–31 3.6

¶14988937
MEX Error ellipse: s-maj=14.0km s-min=3.2km az=-1.0.
MEX VI 20 09 35 09.0–.69 16.82N 94.93W 109–22 3.6

¶14988938
MEX Error ellipse: s-maj=13.9km s-min=4.7km az=-1.0.
ISC VI 20 23 42 07.8–1.5 16.21N–.05 94.21W–.03 32–11 4.4b,3.3s 122 1-134
IDC VI 20 23 42 03.5–.77 16.21N 94.03W 0 4.7L,4.3 ¶13306199
SSS VI 20 23 42 04.9 16.10N 94.23W 10 4.5b,4.3
NEIC VI 20 23 42 05.0–.40 16.09N 94.23W 10 4.5b,4.3
MEX VI 20 23 42 05.3–.26 16.28N 94.19W 88–6 4.4,4.3
ISCJB VI 20 23 42 07.9–1.5 16.24N–.03 94.41W–.03 33–12 4.3b,3.5s
CASC VI 20 23 42 08.3–1.2 14.80N 94.71W 0–999 4.5b,4.3
BJI VI 20 23 42 08.7 16.20N 94.20W 35 5.3b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=13.6km az=64.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.3km az=38.0.
MEX Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.4km az=29.5.
CASC Error ellipse: s-maj=291.8km s-min=999.9km az=-1.0.
MEX VI 21 01 00 14.7–.76 16.25N 94.23W 40 4.1

¶14988955
MEX Error ellipse: s-maj=4.6km s-min=4.3km az=-1.0.
MEX VI 21 03 38 04.7–.72 17.07N 95.38W 104–24 4.2

¶14988957
MEX Error ellipse: s-maj=7.7km s-min=4.3km az=-1.0.
MEX VI 26 07 41 22.2–.79 17.60N 95.23W 117–12 4.2
NEIC VI 26 07 41 22.2 17.60N 95.23W 117 4.2 ¶14931693
MEX Error ellipse: s-maj=6.6km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VI 26 08 56 18.8–.49 16.96N 95.51W 116–15 4.1
NEIC VI 26 08 56 18.8 16.96N 95.51W 116 4.1 ¶14931694
MEX Error ellipse: s-maj=6.9km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VI 28 12 07 58.2–.59 17.21N 95.07W 89–23 3.7

¶14989152
MEX Error ellipse: s-maj=7.8km s-min=2.7km az=-1.0.
MEX VI 28 22 26 28.9–.60 16.16N 97.94W 5 3.8

¶14989155
MEX Error ellipse: s-maj=5.8km s-min=7.6km az=-1.0.
MEX VI 30 05 00 08.1–.95 17.31N 96.53W 72–26 3.7

¶14989221
MEX Error ellipse: s-maj=4.9km s-min=7.1km az=-1.0.

(61) Chiapas.

MEX I 05 02 34 07.9–.53 17.16N 94.74W 140–7 3.8

¶14597496
MEX Error ellipse: s-maj=9.5km s-min=5.6km az=-1.0.
MEX I 05 04 52 26.5–.55 17.17N 94.51W 138–7 3.9

¶14597497
MEX Error ellipse: s-maj=7.1km s-min=3.9km az=-1.0.
MEX I 08 22 55 19.9–.87 17.13N 94.93W 130–8 4.0

¶14597511
MEX Error ellipse: s-maj=8.8km s-min=4.2km az=-1.0.
MEX I 20 09 01 52.4–.73 17.19N 94.53W 139–8 4.0

¶14597556
MEX Error ellipse: s-maj=12.4km s-min=9.6km az=-1.0.
MEX I 21 06 35 48.0–.76 17.00N 94.86W 127–10 3.9

¶14597560
MEX Error ellipse: s-maj=11.5km s-min=4.7km az=-1.0.
MEX I 24 08 19 18.8–.72 17.36N 94.63W 155–8 3.9
NEIC I 24 08 19 18.8 17.36N 94.63W 155 3.9 ¶13989222
MEX Error ellipse: s-maj=12.7km s-min=4.9km az=-1.0.
NEIC Event type se. After MEX.
MEX I 26 16 44 51.1–.97 17.02N 94.83W 127–8 3.9

¶14597587
MEX Error ellipse: s-maj=8.5km s-min=3.6km az=-1.0.
MEX I 29 14 02 14.8–1.3 17.53N 94.85W 146–11 4.0

¶14597599
MEX Error ellipse: s-maj=10.2km s-min=5.5km az=-1.0.
MEX I 31 06 55 42.8–1.5 17.24N 94.45W 156–15 4.0
NEIC I 31 06 55 42.8 17.24N 94.45W 156 4.0 ¶13989287
MEX Error ellipse: s-maj=15.8km s-min=8.2km az=-1.0.
NEIC Event type se. After MEX.
MEX II 01 01 40 48.0–.63 16.82N 93.92W 157–10 3.7

¶14597613
MEX Error ellipse: s-maj=8.4km s-min=4.3km az=-1.0.
MEX II 04 05 29 37.4–1.2 17.09N 94.77W 140–12 3.8

¶14597629
MEX Error ellipse: s-maj=11.6km s-min=10.0km az=-1.0.
MEX II 06 16 33 57.9–1.2 17.29N 94.97W 139–11 3.6

¶14597655
MEX Error ellipse: s-maj=12.7km s-min=5.3km az=-1.0.
ISC II 06 18 42 25.1–.97 16.03N–.09 92.89W–.06 208–7 3.2b 25 0-49
ISCJB II 06 18 42 24.9–.71 16.03N–.09 92.92W–.05 208–5 3.2b ¶12699686
IDC II 06 18 42 24.5–1.7 16.02N 92.58W 196–16 3.6,3.3
MEX II 06 18 42 26.2–.66 16.08N 92.92W 214–6 4.1,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=7.2km az=15.1.
IDC Error ellipse: s-maj=30.9km s-min=18.6km az=41.0.
MEX Error ellipse: s-maj=5.3km s-min=4.1km az=-1.0.
MEX II 09 02 59 35.8–.52 17.54N 93.93W 44–31 4.0

¶14597667
MEX Error ellipse: s-maj=7.1km s-min=3.8km az=-1.0.
MEX II 10 21 33 11.8–.91 17.27N 93.67W 61–19 4.0

¶14597680
MEX Error ellipse: s-maj=9.6km s-min=7.3km az=-1.0.
ISC II 12 18 36 00.5–.93 17.06N–.09 94.10W–.04 164–8 24 1-48
ISCJB II 12 18 35 60.0–.68 17.07N–.09 94.12W–.04 165–7 3.4b ¶12700348
IDC II 12 18 36 00.4–2.8 17.25N 93.92W 150–19 3.5,3.2
MEX II 12 18 36 01.7–1.3 17.08N 94.10W 168–10 3.9,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=5.9km az=10.7.
IDC Error ellipse: s-maj=77.3km s-min=25.9km az=175.0.
MEX Error ellipse: s-maj=9.8km s-min=5.0km az=-1.0.
MEX II 18 06 57 49.0–.33 17.36N 94.64W 16–7 3.8

¶14597713
MEX Error ellipse: s-maj=7.4km s-min=2.0km az=-1.0.
MEX II 19 13 47 21.9–.47 16.09N 93.15W 163–4 3.9

¶14597721
MEX Error ellipse: s-maj=3.6km s-min=3.4km az=-1.0.
ISC II 20 00 22 44.7–.53 17.29N–.05 94.77W–.03 141–4 3.8b 72 0-134
ISCJB II 20 00 22 44.1–.32 17.42N–.06 94.70W–.03 145–4 3.7b ¶12701295
IDC II 20 00 22 45.2–.57 17.41N 94.58W 139–4 3.7,3.6
NEIC II 20 00 22 47.3 17.41N 94.72W 136 4.5,3.6
MEX II 20 00 22 47.3–.52 17.41N 94.72W 136–4 4.5,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.3km az=21.5.
IDC Error ellipse: s-maj=16.1km s-min=12.3km az=72.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=6.0km s-min=2.7km az=-1.0.
MEX II 22 14 09 46.3–.99 16.69N 93.69W 139–9 4.0

¶14597733
MEX Error ellipse: s-maj=7.4km s-min=4.7km az=-1.0.
ISC III 05 02 55 24.9–.55 16.08N–.05 92.87W–.04 223–4 4.1b 415 1-144
IDC III 05 02 55 22.9–.89 16.14N 92.67W 203–9 3.8,3.6b ¶11752986
NEIC III 05 02 55 25.1 16.14N 92.85W 231 4.4b,4.3
MEX III 05 02 55 25.0–.46 16.14N 92.85W 232–4 4.3,4.3
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=9.1km az=54.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=4.3km s-min=3.2km az=-1.0.
MEX III 05 16 59 44.4–.84 16.73N 93.80W 153–9 3.6

¶14597785
MEX Error ellipse: s-maj=7.3km s-min=4.4km az=-1.0.
MEX III 06 08 49 36.4–.59 17.07N 94.28W 167–8 4.0
NEIC III 06 08 49 36.4 17.07N 94.28W 167 4.0 ¶14269609
MEX Error ellipse: s-maj=8.1km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
MEX III 08 11 46 16.1–1.1 17.24N 94.72W 146–8 4.1
NEIC III 08 11 46 16.1 17.23N 94.72W 146 4.1 ¶14269631
MEX Error ellipse: s-maj=7.7km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX III 08 17 19 02.7–1.4 17.26N 94.13W 179–12 4.1

¶14597800
MEX Error ellipse: s-maj=12.4km s-min=6.4km az=-1.0.
ISC III 10 00 36 43.4–.27 16.54N–.03 93.39W–.03 154–2 4.9b 853 0-157
MOS III 10 00 36 42.8–1.2 16.58N 93.12W 156 5.1b ¶11789678
IDC III 10 00 36 42.7–.34 16.55N 93.46W 148–2 4.4,4.4
MEX III 10 00 36 44.9–1.0 16.46N 93.65W 148–9 5.0,4.4
NEIC III 10 00 36 44.0 16.46N 93.65W 147 5.0b,4.9
ISCJB III 10 00 36 44.4–.23 16.57N–.03 93.24W–.03 171–2 4.8b,4.9
GCMT III 10 00 36 45.3–.40 16.63N 93.49W 162–3 5.0W,4.9
CASC III 10 00 37 00.2–3.0 16.50N 91.61W 0–77 5.0b,4.9
ISC Event type fe.
MOS Error ellipse: s-maj=10.6km s-min=4.8km az=100.8.
IDC Error ellipse: s-maj=9.5km s-min=5.8km az=42.0.
MEX Error ellipse: s-maj=6.8km s-min=4.9km az=-1.0.
NEIC Event type fe. Felt at Arriaga, Oaxaca, San Cristobal de las Casas and Tuxtla Gutierrez. After MEX.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.9km az=42.8.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s28,c33; s73,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.15 $M_{\theta\theta}$-1.54±.17; $M_{\phi\phi}$1.49±.17; $M_{r\theta}$3.19±.12; $M_{\theta\phi}$-1.02±.17; $M_{\phi r}$-1.97±.12; Best double couple: NP1:ϕ_s210.00000°,δ26.00000°,λ0.00000°. NP2:ϕ_s120.00000°,δ90.00000°,λ116.00000°. Principal axes: T 4.2600,Plg40.0000° ,Azm54.0000°; N -0.2000,Plg26.0000°,Azm300.0000°; P -4.0700,Plg39.0000° ,Azm186.0000° M_o4.20000×10^{16}
CASC Error ellipse: s-maj=162.9km s-min=80.4km az=-1.0.
ISC III 11 02 54 26.0–.68 17.28N–.07 93.91W–.05 197–6 3.6b 37 1-142
ISCJB III 11 02 54 25.2–.41 17.24N–.07 93.93W–.04 203–4 3.5b ¶12702942
IDC III 11 02 54 25.2–.66 17.34N 93.69W 185–7 3.6,3.4
MEX III 11 02 54 26.8–1.3 17.25N 93.94W 206–10 4.2,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=5.5km az=21.9.
IDC Error ellipse: s-maj=18.5km s-min=10.9km az=55.0.
MEX Error ellipse: s-maj=11.4km s-min=6.4km az=-1.0.
MEX III 13 18 21 18.3–.66 17.15N 94.67W 148–7 4.2

¶14597826
MEX Error ellipse: s-maj=7.7km s-min=3.4km az=-1.0.
MEX III 18 09 01 02.6–1.7 17.69N 94.63W 181–22 3.8

¶14597847
MEX Error ellipse: s-maj=29.7km s-min=11.0km az=-1.0.
MEX III 23 00 09 33.3–1.5 17.19N 94.91W 136–12 3.9

¶14597948
MEX Error ellipse: s-maj=11.1km s-min=6.1km az=-1.0.
MEX III 25 05 11 54.8–.62 16.08N 93.51W 126–49 3.8

¶14597968
MEX Error ellipse: s-maj=52.2km s-min=20.3km az=-1.0.
MEX III 30 04 17 28.4–.69 17.00N 94.45W 152–5 4.1

¶14598004
MEX Error ellipse: s-maj=8.6km s-min=3.1km az=-1.0.
MEX IV 06 06 51 00.5–1.0 17.02N 94.60W 135–8 3.9

¶14682629
MEX Error ellipse: s-maj=7.9km s-min=3.2km az=-1.0.
MEX IV 07 12 33 40.4–1.0 17.17N 94.37W 178–14 3.9

¶14682645
MEX Error ellipse: s-maj=10.6km s-min=4.8km az=-1.0.
MEX IV 08 15 19 52.2–.99 16.79N 93.12W 1–17 3.8

¶14682747
MEX Error ellipse: s-maj=30.7km s-min=7.5km az=-1.0.
MEX IV 09 17 42 33.3–1.1 17.06N 94.80W 140–10 3.7

¶14682761
MEX Error ellipse: s-maj=11.5km s-min=4.4km az=-1.0.
MEX IV 11 03 43 13.3–1.0 17.47N 94.62W 170–10 3.8

¶14682780
MEX Error ellipse: s-maj=11.5km s-min=4.5km az=-1.0.
MEX IV 21 19 40 11.3–1.0 17.32N 94.86W 45–10 3.8

¶14682902
MEX Error ellipse: s-maj=7.9km s-min=7.7km az=-1.0.
MEX IV 24 03 30 02.7–.56 17.54N 94.32W 201–9 4.2

¶14682920
MEX Error ellipse: s-maj=14.8km s-min=5.9km az=-1.0.
MEX IV 27 02 58 11.2–.87 16.49N 93.81W 147–15 3.6

¶14682943
MEX Error ellipse: s-maj=13.9km s-min=4.7km az=-1.0.
MEX IV 27 11 44 55.1–.69 17.10N 94.89W 116–24 3.5

¶14682944
MEX Error ellipse: s-maj=10.1km s-min=3.4km az=-1.0.
MEX V 05 15 03 59.0–.79 17.02N 94.43W 160–11 3.9

¶14739574
MEX Error ellipse: s-maj=8.5km s-min=3.2km az=-1.0.
MEX V 22 21 40 40.9–.34 16.39N 93.78W 8–7 3.5

¶14739859
MEX Error ellipse: s-maj=3.7km s-min=3.0km az=-1.0.
MEX VI 07 05 43 47.0–.53 16.60N 93.76W 143–6 3.6

¶14988652
MEX Error ellipse: s-maj=4.6km s-min=3.8km az=-1.0.
ISC VI 07 21 26 47.1–.16 16.23N–.02 92.91W–.02 150–1 5.3b 876 1-155
MOS VI 07 21 26 38.6–1.3 16.09N 92.55W 96 5.3b ¶13195597
SZGRF VI 07 21 26 44.9 15.71N 93.15W 157 4.8b
IDC VI 07 21 26 45.9–.45 16.27N 92.71W 142–3 4.9,4.9
ISCJB VI 07 21 26 46.9–.23 16.19N–.02 92.90W–.02 165–2 5.2b,4.9
NEIC VI 07 21 26 47.7 16.13N 93.31W 140 5.4b,5.4W
MEX VI 07 21 26 47.3–.56 16.13N 93.31W 143–5 5.0,5.4W
BJI VI 07 21 26 48.0 16.10N 92.80W 163 5.1b,5.4W
GCMT VI 07 21 26 49.6–.10 16.23N 93.19W 151–0 5.4W,5.4W
CASC VI 07 21 27 03.3–2.9 15.74N 91.98W 32–207 5.4b,5.1
ISC Event type fe.
MOS Error ellipse: s-maj=7.1km s-min=4.4km az=108.6.
SZGRF Near coast of Chiapas, Mexico.
IDC Error ellipse: s-maj=13.1km s-min=6.9km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.5km az=43.7.
NEIC Event type fe. Felt [IV] at San Cristobal de las Casas and Tuxtla Gutierrez. Also felt at Comitan, La Concordia, San Fernando, Tacotalpa and Villahermosa. Felt at Fraijanes and Guatemala, Guatemala and at San Salvador, El Salvador. After MEX. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.57 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-0.31 $M_{r\theta}$-0.55 $M_{\theta\phi}$0.06 $M_{\phi r}$-1.18 Best double couple: NP1:ϕ_s7.00000°,δ9.00000°,λ73.00000°. NP2:ϕ_s203.00000° ,δ81.00000°,λ93.00000°. Principal axes: T 1.5200,Plg53.0000°,Azm116.0000° ; N -0.3100,Plg2.0000°,Azm23.0000°; P -1.2100,Plg36.0000°,Azm291.0000° M_o1.40000×10^{17}
MEX Error ellipse: s-maj=3.4km s-min=3.1km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=104, comp=200, per= 50. Moment Tensor Solution. s84,c151; s27,c27; Moment tensor: Scale 10^{17}Nm; M_{rr}0.33±.02 $M_{\theta\theta}$-0.36±.03; $M_{\phi\phi}$0.03±.03; $M_{r\theta}$-0.58±.02; $M_{\theta\phi}$-0.26±.03; $M_{\phi r}$-1.63±.02; Best double couple: NP1:ϕ_s89.00000°,δ11.00000°,λ157.00000°. NP2:ϕ_s202.00000°,δ86.00000°,λ79.00000°.

Principal axes: T 1.8500,Plg48.0000°,Azm100.0000°; N -0.1400,Plg11.0000°,Azm202.0000° ; P -1.7100,Plg40.0000°,Azm301.0000° $M_0$1.80000×10^{17}
CASC Error ellipse: s-maj=97.8km s-min=92.6km az=-1.0.
MEX VI 10 16 35 28.5–1.1 17.22N 94.56W 133–23 4.0
¶14988704
MEX Error ellipse: s-maj=17.4km s-min=6.4km az=-1.0.
MEX VI 13 05 20 11.4–.93 17.02N 94.89W 99–13 4.1
NEIC VI 13 05 20 11.3 17.02N 94.89W 100 4.1 **¶14931431**
MEX Error ellipse: s-maj=4.3km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
ISC VI 24 22 36 30.3–.33 17.36N–.03 93.96W–.03 201–2 4.6b 522 1-145
SZGRF VI 24 22 36 13.7 17.13N 93.34W 33 5.2b **¶13256730**
ISCJB VI 24 22 36 28.6–.19 17.39N–.03 93.91W–.02 193–2 4.5b
MOS VI 24 22 36 29.8–.90 17.52N 93.63W 193 4.9b
NEIC VI 24 22 36 30.6 17.39N 93.96W 195 4.8,4.7b
BJI VI 24 22 36 30.4 17.60N 93.60W 213 5.1b,4.7b
MEX VI 24 22 36 30.7–2.1 17.42N 93.95W 194–8 4.8,4.7b
IDC VI 24 22 36 31.7–.66 17.49N 93.58W 206–5 4.0,4.0
ISC Event type se.
SZGRF Chiapas, Mexico.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.0km az=20.0.
MOS Error ellipse: s-maj=9.0km s-min=5.0km az=72.7.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=6.5km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=11.0km s-min=7.5km az=66.0.
MEX VI 30 03 42 56.8–.36 17.54N 92.58W 87–8 3.8
¶14989220
MEX Error ellipse: s-maj=2.4km s-min=3.9km az=-1.0.

(62) Mexico-Guatemala border region.

MEX I 04 19 02 23.0–.61 15.23N 92.06W 178–7 4.1
NEIC I 04 19 02 23.0 15.23N 92.06W 178 4.7b,4.1 **¶13989041**
MEX Error ellipse: s-maj=6.1km s-min=8.5km az=-1.0.
NEIC Event type se. After MEX.
ISC I 17 02 57 31.6–.24 15.77N–.03 92.58W–.03 175–1 5.1b 1892 1-150
CASC I 17 02 57 26.0–2.0 16.80N 92.11W 169–71 5.4b,4.9 **¶13962382**
MEX I 17 02 57 31.6–.82 15.72N 92.76W 171–7 5.2,4.9
NEIC I 17 02 57 31.9 15.74N 92.74W 169 5.7W,5.7W
BJI I 17 02 57 31.9 16.08N 92.24W 176 5.5b,5.7W
SZGRF I 17 02 57 32.4 14.94N 91.62W 185 4.7b,5.7W
IDC I 17 02 57 32.6–.35 15.98N 92.20W 177–2 4.7,4.7
MOS I 17 02 57 32.1–.92 15.89N 92.42W 187 5.3b,4.7
ISCJB I 17 02 57 32.3–.23 15.83N–.02 92.40W–.02 192–2 5.0b,4.7
ISC Event type fe.
NEIC Event type fe. Felt [IV] at San Cristobal de las Casas. Also felt at Coatzacoalcos, Jalapa, Mitla, Tuxtla Gutierrez and Yajalon. Felt at Antigua Guatemala, Guatemala. After MEX. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}1.73 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$0.22 $M_{r\theta}$1.81 $M_{\theta\phi}$0.66 $M_{\theta r}$-4.31 Best double couple: NP1:ϕ_s267.00000°,δ17.00000°,λ28.00000°. NP2:ϕ_s150.00000°,δ82.00000°,λ106.00000°. Principal axes: T 5.4800,Plg50.0000° ,Azm77.0000°; N -0.9500,Plg15.0000°,Azm328.0000°; P -4.5200,Plg35.0000° ,Azm227.0000° $M_0$5.10000×10^{17}
SZGRF Guatemala.
ISCJB Event type fe.
ISC I 17 06 10 55.1–.74 17.26N–.04 91.98W–.05 10 3.8b 35 1-116
ISCJB I 17 06 10 53.1–.52 17.31N–.04 92.04W–.04 10 3.8b **¶12081515**
MEX I 17 06 10 53.2–.31 17.45N 91.84W 10 4.0
NEIC I 17 06 10 53.2 17.45N 91.84W 10 4.0
IDC I 17 06 10 55.3–1.9 17.47N 91.91W 0 4.0,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.7km az=35.5.
MEX Error ellipse: s-maj=4.0km s-min=5.3km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=41.8km s-min=21.5km az=166.0.
MEX I 18 10 23 31.1–.45 15.94N 92.96W 171–5 3.8
¶14597546
MEX Error ellipse: s-maj=4.7km s-min=2.9km az=-1.0.
ISC I 22 14 03 12.8–.37 15.25N–.05 91.68W–.04 194–2 4.7b 905 1-147
CASC I 22 14 03 11.8–1.7 14.99N 91.70W 208–7 5.1b,4.3 **¶13433926**
ISCJB I 22 14 03 12.6–.18 15.40N–.03 91.42W–.03 191 4.7b,4.3
NEIC I 22 14 03 13.8 15.19N 91.93W 199 5.1b,5.0
IDC I 22 14 03 13.6–.50 15.40N 91.35W 195–3 5.3s,5.3
MEX I 22 14 03 13.2–.71 15.20N 91.87W 202–5 5.0,5.3
ISC Event type se.
CASC Error ellipse: s-maj=34.4km s-min=21.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.1km az=41.1.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=13.9km s-min=6.1km az=58.0.
MEX Error ellipse: s-maj=6.1km s-min=6.4km az=-1.0.
MEX I 22 19 17 05.9–.66 15.89N 92.87W 170–6 4.0
¶14597566
MEX Error ellipse: s-maj=6.2km s-min=4.9km az=-1.0.
MEX II 06 11 55 14.5–.52 15.80N 92.81W 173–4 3.9
¶14597650
MEX Error ellipse: s-maj=3.6km s-min=3.7km az=-1.0.
MEX II 20 20 40 50.0–.80 15.31N 92.94W 110–7 4.1
¶14597728
MEX Error ellipse: s-maj=4.6km s-min=4.7km az=-1.0.
ISC III 03 04 38 10.6–2.7 17.09N–.10 90.62W–.08 15–19 26 2-4
MEX III 03 04 38 12.6–.34 17.03N 90.49W 17–17 3.9 **¶14597769**
CASC III 03 04 38 12.9–2.3 17.00N 91.09W 0–44 4.0
ISC Event type ke.
MEX Error ellipse: s-maj=6.8km s-min=5.4km az=-1.0.
CASC Error ellipse: s-maj=93.1km s-min=20.8km az=-1.0.
ISC III 09 00 44 47.5–.71 15.80N–.08 92.57W–.07 182–6 3.9b 27 1-135
ISCJB III 09 00 44 46.4–.47 15.81N–.07 92.58W–.06 186–3 3.9b **¶12702767**
IDC III 09 00 44 47.3–1.5 15.83N 92.37W 178–15 3.9,3.6
MEX III 09 00 44 48.6–.73 15.85N 92.61W 187–7 4.2,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=7.0km az=31.1.
IDC Error ellipse: s-maj=25.5km s-min=10.8km az=54.0.
MEX Error ellipse: s-maj=5.7km s-min=6.1km az=-1.0.
ISC III 19 09 45 36.0–.87 15.2N–.10 91.6W–.10 199–7 19 1-136
CASC III 19 09 45 29.3–2.6 15.35N 91.95W 224–24 3.7 **¶12703667**
ISCJB III 19 09 45 35.2–.80 15.3N–.10 91.7W–.10 202–8 3.1b
IDC III 19 09 45 39.5–6.5 15.44N 91.29W 222–68 3.2,3.0b
ISC Event type ke.
CASC Error ellipse: s-maj=40.9km s-min=19.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=23.9km s-min=18.2km az=11.8.
IDC Error ellipse: s-maj=86.2km s-min=18.5km az=61.0.
ISC III 28 07 36 54.3–.51 15.27N–.05 91.82W–.04 201–4 4.2b 225 1-144
ISCJB III 28 07 36 54.4–.27 15.37N–.04 91.69W–.04 195–2 4.0b **¶12062706**
IDC III 28 07 36 54.9–.82 15.35N 91.59W 200–6 3.8,3.7
NEIC III 28 07 36 55.2 15.33N 91.89W 205 4.5,4.4b
MEX III 28 07 36 55.2–1.0 15.33N 91.89W 205–9 4.5,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.3km az=35.1.
IDC Error ellipse: s-maj=19.7km s-min=9.4km az=55.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=8.1km s-min=13.3km az=-1.0.
MEX IV 20 06 41 01.3–.70 16.53N 91.77W 8–5 4.0
¶14682890
MEX Error ellipse: s-maj=4.3km s-min=5.5km az=-1.0.
IDC IV 24 02 42 34.6–4.4 15.71N 92.25W 0 4.0,3.7
¶16153323
IDC Error ellipse: s-maj=90.6km s-min=23.7km az=9.0.
MEX V 11 11 57 19.4–.74 15.31N 91.88W 29–21 3.6
¶14739607
MEX Error ellipse: s-maj=8.9km s-min=11.4km az=-1.0.
MEX V 12 14 28 37.2–.46 15.15N 91.92W 174–4 4.0
¶14739615
MEX Error ellipse: s-maj=4.0km s-min=5.3km az=-1.0.
MEX V 20 06 13 41.9–1.1 15.30N 92.97W 107–11 3.8
¶14739847
MEX Error ellipse: s-maj=6.5km s-min=7.8km az=-1.0.
MEX V 24 12 22 59.5–.52 15.61N 92.41W 33–7 3.5
¶14739872
MEX Error ellipse: s-maj=5.5km s-min=4.2km az=-1.0.
IDC V 28 14 06 45.5–8.8 15.48N 92.92W 110–55 3.7,3.5
¶16156273
IDC Error ellipse: s-maj=96.7km s-min=42.7km az=168.0.
MEX VI 04 06 11 41.8–.66 15.18N 91.96W 177–8 3.6
¶14988590
MEX Error ellipse: s-maj=6.7km s-min=11.2km az=-1.0.
ISC VI 07 08 23 16.5–1.5 15.17N–.06 92.89W–.05 102–12 19 1-4
ISCJB VI 07 08 23 16.0–1.0 15.20N–.05 92.86W–.05 107–9 **¶14931323**
CASC VI 07 08 23 16.8–1.6 15.39N 92.77W 20–173 4.1
MEX VI 07 08 23 17.0–.97 15.12N 92.80W 108–10 4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.4km az=135.3.
CASC Error ellipse: s-maj=47.6km s-min=103.7km az=-1.0.
MEX Error ellipse: s-maj=6.5km s-min=7.6km az=-1.0.
MEX VI 22 23 58 07.0–.39 15.32N 92.92W 91–7 3.9
¶14988980
MEX Error ellipse: s-maj=4.8km s-min=5.6km az=-1.0.
MEX VI 25 07 59 15.1–.40 15.30N 92.82W 107–7 4.0
¶14989043
MEX Error ellipse: s-maj=6.0km s-min=8.0km az=-1.0.

(63) Off coast of Mexico.

IDC II 24 06 20 18.7–43 9.48N 106.25W 0 3.9,3.9s
¶15957139
IDC Error ellipse: s-maj=1114.0km s-min=100.3km az=127.0.

(64) Off coast of Michoacan.

MEX III 07 20 20 24.3–1.0 17.71N 104.12W 20–19 3.6
¶14597796
MEX Error ellipse: s-maj=12.4km s-min=10.9km az=-1.0.
IDC IV 20 05 42 35.4–2.4 15.44N 104.00W 0 3.8,3.6
¶16153119
IDC Error ellipse: s-maj=109.7km s-min=27.1km az=58.0.

(65) Off coast of Guerrero.

MEX I 16 19 01 52.2–.83 15.92N 99.08W 10–22 3.7
¶14597537
MEX Error ellipse: s-maj=19.5km s-min=4.4km az=-1.0.
MEX I 26 05 07 03.9–.45 15.45N 99.41W 5 3.5
¶14597585
MEX Error ellipse: s-maj=12.9km s-min=4.7km az=-1.0.
MEX I 26 16 54 30.7–1.0 15.94N 98.55W 5 4.1
¶14597588
MEX Error ellipse: s-maj=9.0km s-min=6.5km az=-1.0.
MEX I 31 01 10 24.2–.92 15.98N 99.73W 16–25 4.0
¶14597611
MEX Error ellipse: s-maj=22.7km s-min=11.3km az=-1.0.
MEX II 09 17 08 44.1–.36 15.86N 98.50W 22–17 3.9
¶14597671
MEX Error ellipse: s-maj=3.9km s-min=2.5km az=-1.0.
MEX III 18 11 04 59.6–.61 15.42N 98.69W 13–13 3.8
¶14597848
MEX Error ellipse: s-maj=9.4km s-min=3.6km az=-1.0.
MEX III 23 05 14 45.7–1.7 15.51N 98.43W 16–30 4.0
¶14597950
MEX Error ellipse: s-maj=13.1km s-min=8.2km az=-1.0.
MEX III 31 16 24 29.5–.29 15.77N 98.83W 22–17 4.1
¶14598013
MEX Error ellipse: s-maj=7.4km s-min=3.1km az=-1.0.
MEX IV 23 15 22 02.6–1.1 15.82N 99.32W 18–497 3.6
¶14682915
MEX Error ellipse: s-maj=11.1km s-min=5.0km az=-1.0.
MEX V 02 23 47 22.4–.76 15.96N 98.77W 17–141 3.8
¶14739545
MEX Error ellipse: s-maj=9.1km s-min=3.1km az=-1.0.
MEX V 05 01 14 52.3–.65 15.95N 98.68W 16–16 3.7
¶14739568
MEX Error ellipse: s-maj=15.0km s-min=4.3km az=-1.0.
MEX V 07 23 42 50.7–.38 15.81N 98.21W 15–13 3.9
¶14739588
MEX Error ellipse: s-maj=10.7km s-min=3.2km az=-1.0.
MEX V 19 06 09 34.6–.91 15.85N 98.55W 5 3.7
¶14739837
MEX Error ellipse: s-maj=7.3km s-min=12.5km az=-1.0.
MEX VI 16 00 00 13.0–.34 15.86N 98.72W 19–19 4.0
¶14988839
MEX Error ellipse: s-maj=7.9km s-min=2.9km az=-1.0.

(66) Near coast of Oaxaca.

MEX I 03 04 23 06.8–.54 15.39N 94.75W 25–21 4.2
¶14597491
MEX Error ellipse: s-maj=6.0km s-min=2.8km az=-1.0.
MEX I 03 08 35 01.2–.32 15.59N 94.59W 43–30 4.0
NEIC I 03 08 35 01.2 15.59N 94.59W 41 4.0 **¶13989029**
MEX Error ellipse: s-maj=3.1km s-min=1.9km az=-1.0.
NEIC Event type se. After MEX.
MEX I 08 09 27 00.6–.55 15.06N 94.56W 29–15 3.9
¶14597508
MEX Error ellipse: s-maj=8.6km s-min=2.7km az=-1.0.
MEX I 09 05 36 11.4–.80 15.46N 94.75W 16–12 4.2
NEIC I 09 05 36 11.4 15.46N 94.75W 16 4.2 **¶13989080**
MEX Error ellipse: s-maj=8.7km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX I 09 18 50 02.5–.99 15.57N 97.27W 6–15 4.0
¶14597515
MEX Error ellipse: s-maj=10.4km s-min=4.9km az=-1.0.
MEX I 13 01 20 01.4–.59 15.37N 94.72W 16–42 4.1
¶14597522
MEX Error ellipse: s-maj=4.5km s-min=2.2km az=-1.0.
MEX I 13 11 22 15.4–.58 15.42N 95.74W 26–9 4.1
¶14597523
MEX Error ellipse: s-maj=6.2km s-min=2.4km az=-1.0.
ISC I 14 07 01 17.3–2.2 15.09N–.09 95.90W–.05 12–11 3.9b 26 1-60
IDC I 14 07 01 16.8–3.7 15.13N 95.68W 0 4.0,3.8 **¶12081253**
ISCJB I 14 07 01 17.4–1.4 15.10N–.07 95.90W–.04 26–9 3.8b,3.8
MEX I 14 07 01 19.1–1.1 15.00N 95.92W 16–14 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=67.9km s-min=34.9km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.7km az=15.2.
MEX Error ellipse: s-maj=10.5km s-min=4.7km az=-1.0.
MEX I 14 10 54 08.8–.40 16.00N 97.03W 26–25 3.6
¶14597527
MEX Error ellipse: s-maj=2.4km s-min=2.8km az=-1.0.
MEX I 15 11 47 41.9–.50 15.07N 94.99W 16–7 4.0
NEIC I 15 11 47 41.9 15.07N 94.99W 16 4.0 **¶13989128**
MEX Error ellipse: s-maj=6.1km s-min=1.9km az=-1.0.
NEIC Event type se. After MEX.
MEX I 16 23 15 41.2–.86 15.13N 97.77W 24–20 4.0
¶14597538
MEX Error ellipse: s-maj=9.6km s-min=5.8km az=-1.0.
MEX I 17 07 05 14.1–.36 15.47N 96.34W 6–4 3.8
¶14597539
MEX Error ellipse: s-maj=4.3km s-min=3.7km az=-1.0.
MEX I 20 00 40 47.8–.44 15.84N 96.13W 29–4 4.2
NEIC I 20 00 40 47.8 15.84N 96.13W 29 4.2 **¶13989187**

MEX Error ellipse: s-maj=3.8km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
MEX I 20 06 21 44.0–.37 15.63N 96.43W 13–12 3.5 ¶14597554

MEX Error ellipse: s-maj=8.7km s-min=3.6km az=-1.0.
MEX I 20 22 47 33.5–.60 15.79N 96.52W 16–9 3.6 ¶14597558

MEX Error ellipse: s-maj=6.5km s-min=2.6km az=-1.0.
MEX I 21 15 19 06.5–.40 15.75N 96.66W 15–6 4.2 ¶14597561

MEX Error ellipse: s-maj=4.2km s-min=2.2km az=-1.0.
ISC I 22 05 56 55.1–.99 15.09N–.08 94.64W–.05 28 3.5b 43 1-61
IDC I 22 05 56 51.2–3.1 15.12N 94.48W 0 3.8,3.7 ¶12082036
ISCJB I 22 05 56 53.0–.85 15.01N–.08 94.70W–.04 28 3.4b,3.7
MEX I 22 05 56 54.0–.59 15.02N 94.70W 3–11 4.3,3.7
NEIC I 22 05 56 55.2 14.99N 94.71W 12 4.3,3.7
ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=35.0km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=4.9km az=4.3.
MEX Error ellipse: s-maj=5.6km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX I 23 15 24 11.9–.35 15.82N 94.68W 13–3 3.9 ¶14597570

MEX Error ellipse: s-maj=1.9km s-min=1.1km az=-1.0.
MEX I 27 00 51 03.2–1.2 15.01N 96.07W 18–90 4.1
NEIC I 27 00 51 03.0 14.98N 96.16W 16 4.0 ¶13989260
MEX Error ellipse: s-maj=14.9km s-min=13.9km az=-1.0.
NEIC Event type se. After MEX.
ISC I 27 14 21 55.1–1.0 15.19N–.08 94.28W–.04 28 3.7b 23 1-134
IDC I 27 14 21 48.2–2.8 15.17N 93.55W 0 3.8,3.6 ¶12082489
ISCJB I 27 14 21 54.3–.77 15.20N–.07 94.30W–.03 28 3.6b,3.6
MEX I 27 14 21 57.5–1.2 15.18N 94.30W 16–15 4.0,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=108.6km s-min=49.8km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.1km az=4.7.
MEX Error ellipse: s-maj=12.0km s-min=4.0km az=-1.0.
MEX I 31 02 33 24.6–.58 15.94N 95.76W 10–12 3.9 ¶14597612

MEX Error ellipse: s-maj=7.8km s-min=3.4km az=-1.0.
MEX II 01 10 51 37.6–.47 15.96N 97.73W 17–255 3.5 ¶14597615

MEX Error ellipse: s-maj=7.2km s-min=5.7km az=-1.0.
MEX II 02 13 09 57.7–.58 15.94N 96.43W 48–8 4.1 ¶14597619

MEX Error ellipse: s-maj=4.1km s-min=3.3km az=-1.0.
MEX II 03 14 46 25.1–.78 15.91N 95.69W 55–14 3.8 ¶14597624

MEX Error ellipse: s-maj=8.2km s-min=5.7km az=-1.0.
MEX II 03 19 07 04.5–.73 15.39N 95.81W 29–8 3.5 ¶14597626

MEX Error ellipse: s-maj=6.1km s-min=3.1km az=-1.0.
MEX II 04 10 15 54.4–.41 15.35N 95.86W 5 3.8 ¶14597631

MEX Error ellipse: s-maj=5.4km s-min=3.8km az=-1.0.
MEX II 09 04 31 49.5–.87 15.85N 96.28W 24–20 3.6 ¶14597669

MEX Error ellipse: s-maj=6.8km s-min=7.5km az=-1.0.
MEX II 10 01 42 44.4–.54 15.63N 96.41W 20–8 3.7 ¶14597674

MEX Error ellipse: s-maj=6.0km s-min=4.0km az=-1.0.
MEX II 10 07 27 28.3–1.2 15.90N 96.31W 20–13 3.9 ¶14597677

MEX Error ellipse: s-maj=10.8km s-min=4.8km az=-1.0.
MEX II 13 02 01 42.8–.88 15.91N 96.45W 25–23 3.6 ¶14597692

MEX Error ellipse: s-maj=7.5km s-min=3.7km az=-1.0.
MEX II 13 18 02 12.1–.79 15.37N 94.66W 20–16 4.0 ¶14597694

MEX Error ellipse: s-maj=5.2km s-min=2.2km az=-1.0.
MEX II 13 19 09 02.7–.40 15.58N 95.79W 10–3 3.6 ¶14597695

MEX Error ellipse: s-maj=3.4km s-min=2.2km az=-1.0.
MEX II 14 06 31 42.5–.52 15.86N 95.15W 7–6 3.9 ¶14597700

MEX Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.
MEX II 14 07 38 18.7–.56 15.37N 94.70W 17–999 3.8 ¶14597701

MEX Error ellipse: s-maj=6.1km s-min=2.5km az=-1.0.
MEX II 18 06 54 19.3–.63 15.61N 96.09W 6–4 4.0
NEIC II 18 06 54 19.3 15.61N 96.09W 6 4.0 ¶14189636
MEX Error ellipse: s-maj=5.5km s-min=4.7km az=-1.0.
NEIC Event type se. After MEX.
MEX II 18 10 16 42.7–.39 15.54N 96.01W 3–5 3.9 ¶14597714

MEX Error ellipse: s-maj=4.7km s-min=4.3km az=-1.0.
MEX II 18 10 23 26.1–.34 15.61N 95.92W 7–4 3.9 ¶14597715

MEX Error ellipse: s-maj=5.0km s-min=2.8km az=-1.0.
MEX II 20 15 01 34.5–.39 15.73N 97.61W 5 3.9 ¶14597727

MEX Error ellipse: s-maj=4.2km s-min=2.3km az=-1.0.
MEX II 24 03 20 06.7–.86 15.90N 96.90W 20–39 4.1 ¶14597738

MEX Error ellipse: s-maj=6.7km s-min=4.4km az=-1.0.
MEX II 25 16 15 19.0–.75 15.41N 94.72W 16–9 4.2 ¶14597743

MEX Error ellipse: s-maj=5.7km s-min=2.6km az=-1.0.
MEX II 27 09 18 37.2–.89 15.82N 94.02W 87–13 4.0 ¶14597750

MEX Error ellipse: s-maj=6.4km s-min=4.1km az=-1.0.
MEX III 01 07 24 57.1–.46 15.24N 95.64W 13–10 3.8 ¶14597760

MEX Error ellipse: s-maj=8.6km s-min=2.9km az=-1.0.
MEX III 01 18 04 57.6–.49 15.44N 94.77W 19–45 3.8 ¶14597763

MEX Error ellipse: s-maj=7.8km s-min=2.6km az=-1.0.
ISC III 02 21 20 52.7–.49 15.98N–.04 95.30W–.03 41–4 4.3b,3.5s 102 1-133
ISCJB III 02 21 20 50.9–.55 15.94N–.05 95.29W–.03 34–6 4.2b,3.5s ¶13435406
IDC III 02 21 20 53.0–.69 16.04N 95.18W 40–5 4.6L,4.1
NEIC III 02 21 20 53.1 15.98N 95.31W 52 4.5b,4.2
MEX III 02 21 20 53.1–.88 15.98N 95.31W 52–15 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.0km az=13.9.
IDC Error ellipse: s-maj=15.7km s-min=7.0km az=101.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=4.4km s-min=2.6km az=-1.0.
MEX III 04 05 17 52.0–1.1 15.75N 94.15W 71–25 3.8 ¶14597775

MEX Error ellipse: s-maj=7.0km s-min=4.6km az=-1.0.
MEX III 05 00 08 26.2–.88 15.49N 96.03W 5 3.7 ¶14597778

MEX Error ellipse: s-maj=7.1km s-min=7.0km az=-1.0.
MEX III 12 19 55 42.9–.86 15.79N 94.26W 86–12 4.0 ¶14597820

MEX Error ellipse: s-maj=5.0km s-min=2.8km az=-1.0.
MEX III 17 13 46 15.4–.79 15.38N 96.43W 19–46 3.8 ¶14597843

MEX Error ellipse: s-maj=7.7km s-min=4.0km az=-1.0.
MEX III 18 19 20 34.0–1.1 15.95N 97.01W 10 3.9 ¶14597853

MEX Error ellipse: s-maj=6.0km s-min=4.2km az=-1.0.
MEX III 20 08 35 15.9–.39 15.80N 96.99W 16–5 3.5 ¶14597859

MEX Error ellipse: s-maj=3.2km s-min=1.7km az=-1.0.
MEX III 24 10 27 05.2–.88 15.38N 97.07W 17–999 3.7 ¶14597958

MEX Error ellipse: s-maj=10.6km s-min=11.0km az=-1.0.
MEX III 28 15 51 30.3–.55 15.90N 95.80W 15 3.8 ¶14597994

MEX Error ellipse: s-maj=3.2km s-min=7.2km az=-1.0.
MEX III 29 09 06 28.4–.74 15.35N 95.82W 12–18 3.7 ¶14598000

MEX Error ellipse: s-maj=15.7km s-min=5.7km az=-1.0.
MEX III 29 14 53 43.5–.80 15.35N 96.83W 15–19 3.9 ¶14598002

MEX Error ellipse: s-maj=7.9km s-min=4.0km az=-1.0.
ISC III 29 19 19 35.5–1.7 15.29N–.06 94.57W–.04 1–10 4.2b,3.8s 227 2-144
IDC III 29 19 19 35.3–1.4 15.28N 94.52W 0 4.3,4.1 ¶12635883
NEIC III 29 19 19 42.6 15.40N 94.73W 12 4.6,4.1
MEX III 29 19 19 42.6–.37 15.40N 94.73W 12–7 4.6,4.1
ISC Event type se.
IDC Error ellipse: s-maj=40.4km s-min=18.9km az=54.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=6.9km s-min=3.4km az=-1.0.
MEX III 30 17 50 53.0–1.1 15.77N 97.57W 23–53 3.6 ¶14598007

MEX Error ellipse: s-maj=10.2km s-min=6.8km az=-1.0.
MEX IV 03 23 29 37.4–.47 15.65N 95.92W 10 3.8 ¶14682555

MEX Error ellipse: s-maj=5.5km s-min=1.8km az=-1.0.
MEX IV 03 23 50 40.6–.85 15.57N 95.94W 3–13 3.7 ¶14682556

MEX Error ellipse: s-maj=12.7km s-min=7.4km az=-1.0.
MEX IV 06 06 13 39.5–.84 15.46N 94.57W 18–30 4.0 ¶14682628

MEX Error ellipse: s-maj=4.6km s-min=2.7km az=-1.0.
ISC IV 07 21 49 27.1–.55 15.88N–.04 96.68W–.04 25–3 4.6b,3.9s 507 1-147
ISCJB IV 07 21 49 25.4–1.0 16.04N–.04 96.54W–.03 14–6 4.6b,4.0s ¶13438142
MEX IV 07 21 49 27.7–.38 15.83N 96.73W 29–6 4.5,4.0s
IDC IV 07 21 49 27.6–.65 16.00N 96.49W 26–3 4.2L,4.2
NEIC IV 07 21 49 28.0 15.82N 96.65W 20 4.8,4.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.2km az=26.6.
MEX Error ellipse: s-maj=2.3km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=14.1km s-min=10.5km az=67.0.
NEIC Event type fe. Felt [III] at Puerto Escondido and [II] at Oaxaca. Also felt at Huatulco. After MEX.
MEX IV 08 17 59 13.2–.71 15.87N 96.60W 48–11 4.3 ¶14682750

MEX Error ellipse: s-maj=4.5km s-min=3.2km az=-1.0.
MEX IV 11 12 12 28.0–.34 15.94N 96.82W 16–4 3.5 ¶14682784

MEX Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0.
MEX IV 13 22 34 16.5–.41 15.80N 94.72W 58–17 3.7 ¶14682816

MEX Error ellipse: s-maj=6.7km s-min=2.4km az=-1.0.
MEX IV 14 12 53 20.9–.72 15.89N 97.84W 3–20 3.9 ¶14682832

MEX Error ellipse: s-maj=14.9km s-min=21.4km az=-1.0.
MEX IV 16 20 18 19.8–.87 15.79N 94.08W 89–24 4.2 ¶14682856

MEX Error ellipse: s-maj=6.3km s-min=3.5km az=-1.0.
MEX IV 17 09 59 31.5–.35 15.80N 96.26W 43–3 4.3 ¶14682866

MEX Error ellipse: s-maj=2.8km s-min=1.7km az=-1.0.
MEX IV 21 23 59 35.8–.68 15.89N 96.61W 10 3.5 ¶14682904

MEX Error ellipse: s-maj=5.7km s-min=3.2km az=-1.0.
MEX IV 30 20 55 51.6–.37 15.99N 97.46W 16–999 3.5 ¶14682981

MEX Error ellipse: s-maj=3.0km s-min=2.0km az=-1.0.
MEX V 03 01 20 07.9–.42 15.50N 95.40W 12–7 4.2 ¶14739548

MEX Error ellipse: s-maj=6.4km s-min=3.4km az=-1.0.
MEX V 03 14 09 02.1–.34 15.63N 94.26W 35–163 4.1 ¶14739557

MEX Error ellipse: s-maj=5.1km s-min=1.6km az=-1.0.
MEX V 05 07 52 47.2–.67 15.37N 96.82W 20–30 3.9 ¶14739570

MEX Error ellipse: s-maj=6.7km s-min=3.1km az=-1.0.
MEX V 07 17 44 18.5–1.0 15.89N 94.55W 68–24 4.1 ¶14739585

MEX Error ellipse: s-maj=9.1km s-min=2.9km az=-1.0.
MEX V 08 16 20 29.6–.28 15.91N 96.40W 16–8 4.1 ¶14739594

MEX Error ellipse: s-maj=4.2km s-min=3.6km az=-1.0.
MEX V 10 09 06 20.3–.49 15.54N 96.72W 6–4 3.7 ¶14739603

MEX Error ellipse: s-maj=7.6km s-min=3.0km az=-1.0.
MEX V 13 01 02 34.3–.41 16.00N 97.47W 16–5 3.5 ¶14739616

MEX Error ellipse: s-maj=3.2km s-min=1.7km az=-1.0.
MEX V 13 08 26 58.3–.55 15.74N 95.10W 20–20 3.7 ¶14739619

MEX Error ellipse: s-maj=6.6km s-min=1.7km az=-1.0.
MEX V 13 22 33 44.9–.34 16.00N 97.62W 18–18 3.7 ¶14739622

MEX Error ellipse: s-maj=4.1km s-min=1.9km az=-1.0.
MEX V 14 13 19 02.4–.34 15.73N 95.98W 18–5 3.6 ¶14739661

MEX Error ellipse: s-maj=3.9km s-min=3.1km az=-1.0.
MEX V 22 04 11 21.1–.55 15.98N 97.65W 25–20 3.6 ¶14739856

MEX Error ellipse: s-maj=4.4km s-min=2.5km az=-1.0.
MEX V 23 19 01 15.6–.38 15.94N 97.24W 7–5 3.7 ¶14739868

MEX Error ellipse: s-maj=2.7km s-min=1.5km az=-1.0.
ISC V 26 19 13 47.6–.92 15.90N–.05 95.67W–.03 32–7 4.5b,3.7s 158 0-146
CASC V 26 19 12 23.7–2.4 19.37N 101.18W 20–999 4.9,4.5b ¶13439791
IDC V 26 19 13 43.1–.77 15.86N 95.77W 0 4.3,4.2L
ISCJB V 26 19 13 47.0–.40 15.93N–.03 95.66W–.02 41–4 4.4b,3.7s
NEIC V 26 19 13 46.5–.97 15.89N 95.65W 26–7 4.6,4.5b
MEX V 26 19 13 47.6–.39 15.90N 95.65W 9–4 4.6,4.5b
BJI V 26 19 13 51.3 16.00N 95.50W 66 5.0s,4.7
ISC Event type se.
CASC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=28.4km s-min=12.0km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.2km az=26.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.2km az=216.0.
MEX Error ellipse: s-maj=3.5km s-min=1.8km az=-1.0.
MEX V 31 07 08 36.2–.36 15.77N 95.94W 10 3.5 ¶14739900

MEX Error ellipse: s-maj=3.4km s-min=4.0km az=-1.0.
ISC V 31 14 56 45.8–1.0 15.87N–.07 94.08W–.03 68–13 34 1-49
ISCJB V 31 14 56 45.0–.61 15.87N–.06 94.10W–.03 76–9 3.7b ¶13680042
MEX V 31 14 56 46.9–.84 15.85N 94.10W 76–13 4.3
IDC V 31 14 56 49.0–9.1 15.98N 93.71W 106–56 3.8,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.4km az=176.2.
MEX Error ellipse: s-maj=4.2km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=119.7km s-min=41.1km az=168.0.
MEX VI 01 07 25 32.3–.37 15.97N 97.05W 12–8 3.5

¶14988529

MEX Error ellipse: s-maj=3.2km s-min=2.8km az=-1.0.
MEX VI 01 07 30 23.0–.50 15.83N 96.91W 10–11 3.5

¶14988530

MEX Error ellipse: s-maj=5.2km s-min=3.7km az=-1.0.
MEX VI 01 15 27 24.0–.80 15.39N 94.92W 20–39 4.1

¶14988533

MEX Error ellipse: s-maj=8.4km s-min=2.4km az=-1.0.
MEX VI 04 04 33 58.5–.63 15.31N 96.46W 4–6 4.0

¶14988588

MEX Error ellipse: s-maj=6.6km s-min=3.7km az=-1.0.
MEX VI 06 14 53 02.9–.37 15.38N 95.66W 2–8 3.5

¶14988634

MEX Error ellipse: s-maj=10.9km s-min=6.1km az=-1.0.
MEX VI 07 01 00 48.0–.63 15.98N 94.31W 75–15 3.9

¶14988650

MEX Error ellipse: s-maj=5.8km s-min=2.7km az=-1.0.
MEX VI 07 12 52 58.3–.63 15.63N 96.46W 35–25 3.7

¶14988654

MEX Error ellipse: s-maj=11.3km s-min=8.0km az=-1.0.
MEX VI 07 13 32 56.4–.30 15.47N 96.45W 15–9 3.9

¶14988655

MEX Error ellipse: s-maj=7.7km s-min=2.2km az=-1.0.
MEX VI 09 01 30 32.4–.33 15.31N 95.65W 18–27 3.9

¶14988679

MEX Error ellipse: s-maj=6.3km s-min=2.6km az=-1.0.
MEX VI 09 12 16 25.7–.76 15.87N 96.21W 16–999 3.6

¶14988683

MEX Error ellipse: s-maj=999.9km s-min=329.0km az=-1.0.
MEX VI 12 02 52 57.2–1.1 15.13N 94.40W 17–112 4.2

¶14988752

MEX Error ellipse: s-maj=11.0km s-min=3.8km az=-1.0.
MEX VI 12 19 02 30.9–.41 15.83N 95.53W 32–12 3.9

¶14988757

MEX Error ellipse: s-maj=13.3km s-min=3.1km az=-1.0.
MEX VI 15 13 49 59.7–.39 15.56N 94.71W 23–18 4.1

¶14988821

MEX Error ellipse: s-maj=9.6km s-min=1.3km az=-1.0.
ISC VI 16 13 28 41.6–2.3 15.06N–.08 97.20W–.06 1–13 3.7b 23 1-131
ISCJB VI 16 13 28 42.8–1.9 15.02N–.06 97.23W–.05 16–14 3.6b,3.4s ¶13681490
IDC VI 16 13 28 42.8–1.4 14.94N 97.02W 0 4.9L,4.1
MEX VI 16 13 28 44.8–.65 14.95N 97.26W 11–18 4.0,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.8km az=25.1.
IDC Error ellipse: s-maj=47.7km s-min=24.0km az=55.0.
MEX Error ellipse: s-maj=15.8km s-min=4.2km az=-1.0.
MEX VI 19 07 35 11.6–.55 15.40N 94.74W 16–8 3.8

¶14988917

MEX Error ellipse: s-maj=10.2km s-min=1.9km az=-1.0.
MEX VI 23 14 48 47.2–.32 15.26N 95.99W 16–241 3.9

¶14989000

MEX Error ellipse: s-maj=172.3km s-min=134.0km az=-1.0.
MEX VI 23 20 10 53.5–.49 15.00N 95.82W 15 3.8

¶14989002

MEX Error ellipse: s-maj=6.2km s-min=3.0km az=-1.0.
MEX VI 24 09 43 04.8–.68 15.67N 95.83W 24–11 3.8

¶14989023

MEX Error ellipse: s-maj=24.5km s-min=5.7km az=-1.0.
MEX VI 28 04 26 12.4–.65 15.44N 95.06W 4–288 3.5

¶14989150

MEX Error ellipse: s-maj=999.9km s-min=90.4km az=-1.0.
MEX VI 29 07 16 51.1–.55 15.21N 94.92W 16–14 4.0
NEIC VI 29 07 16 51.1 15.21N 94.92W 16 4.0 ¶14931739
MEX Error ellipse: s-maj=17.6km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.

(67) Off coast of Oaxaca.

MEX I 13 20 05 53.5–.67 14.82N 95.31W 18–19 3.8

¶14597525

MEX Error ellipse: s-maj=6.8km s-min=2.9km az=-1.0.

(68) Off coast of Chiapas.

MEX II 07 21 43 02.7–.66 14.87N 94.90W 20–32 4.1

¶14597660

MEX Error ellipse: s-maj=6.5km s-min=2.7km az=-1.0.
MEX II 07 21 50 43.1–.45 15.00N 94.83W 16–9 3.7

¶14597661

MEX Error ellipse: s-maj=8.6km s-min=1.9km az=-1.0.
MEX II 09 03 18 12.3–.76 13.70N 93.12W 16–29 3.6

¶14597668

MEX Error ellipse: s-maj=26.7km s-min=7.6km az=-1.0.
ISC II 21 20 17 05.6–.41 13.71N–.06 93.01W–.05 36–3 4.6b,4.0s 526 1-148
NEIC II 21 20 17 03.4 13.64N 93.16W 4 4.6b,4.4 ¶11713384
MEX II 21 20 17 03.4–.61 13.57N 93.14W 15 4.4,4.4
BJI II 21 20 17 04.9 13.90N 92.80W 28 5.4s,5.4b
ISCJB II 21 20 17 05.3–.70 13.73N–.04 92.96W–.03 38–5 4.5b,3.9s
CASC II 21 20 17 06.6–1.1 13.64N 92.92W 34–198 4.0,3.9s
IDC II 21 20 17 06.0–.74 13.75N 92.82W 36–4 4.8L,4.3
ISC Event type se.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=6.3km s-min=4.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.2km az=33.5.
CASC Error ellipse: s-maj=28.5km s-min=127.0km az=-1.0.
IDC Error ellipse: s-maj=22.5km s-min=13.8km az=63.0.
ISC II 24 14 25 02.0–3.1 13.8N–.10 92.4W–.10 26–17 3.7b 19 1-146
IDC II 24 14 24 57.0–4.2 14.07N 91.51W 0 3.9,3.8b ¶12701754
MEX II 24 14 25 02.4–.43 13.60N 92.68W 30 4.0,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=91.8km s-min=44.6km az=16.0.
MEX Error ellipse: s-maj=6.6km s-min=7.2km az=-1.0.
MEX III 07 03 42 47.4–.96 14.70N 94.38W 16–62 4.1

¶14597792

MEX Error ellipse: s-maj=10.6km s-min=4.6km az=-1.0.
MEX III 25 10 10 44.4–.32 13.58N 93.07W 19–16 3.9

¶14597971

MEX Error ellipse: s-maj=6.4km s-min=5.0km az=-1.0.
IDC III 29 15 26 18.2–2.1 14.95N 94.33W 0 4.0,3.8

¶12635870

IDC Error ellipse: s-maj=36.1km s-min=35.2km az=12.0.
CASC III 30 07 47 55.1–1.9 13.93N 92.01W 20–22 3.6

¶14610014

CASC Error ellipse: s-maj=19.9km s-min=16.3km az=-1.0.
ISC IV 02 07 00 53.9–1.6 13.97N–.05 92.38W–.05 29–10 4.4b,3.6s 329 1-146
IDC IV 02 07 00 49.3–.83 14.16N 91.86W 0 4.4,4.2 ¶12084902
NEIC IV 02 07 00 53.8–1.7 14.08N 92.22W 22–12 4.5b,4.5
MEX IV 02 07 00 54.8–.79 13.93N 92.43W 20–46 4.5,4.5
CASC IV 02 07 00 57.5–.95 14.06N 91.95W 33–583 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=15.6km az=59.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.5km az=218.0.
MEX Error ellipse: s-maj=9.7km s-min=20.5km az=-1.0.
CASC Error ellipse: s-maj=27.3km s-min=373.3km az=-1.0.
MEX IV 15 08 49 38.8–.71 14.83N 94.18W 18–49 4.0
NEIC IV 15 08 49 38.8 14.83N 94.18W 18 4.0 ¶14413594
MEX Error ellipse: s-maj=5.7km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX IV 15 11 51 16.0–.80 13.99N 93.29W 64–42 4.1

¶14682844

MEX Error ellipse: s-maj=9.7km s-min=10.1km az=-1.0.
ISC IV 18 07 06 33.3–.57 13.55N–.10 92.56W–.05 36–3 4.8b,4.5s 619 3-148
MEX IV 18 07 06 29.4–.34 13.24N 92.63W 25 4.8,4.5s ¶12609823
NEIC IV 18 07 06 29.4 13.24N 92.63W 25 4.9b,4.8
IDC IV 18 07 06 32.6–.55 14.28N 92.19W 0 4.8,4.7
ISCJB IV 18 07 06 35.6–.29 14.11N–.04 92.24W–.03 33 4.8b,4.5s
GCMT IV 18 07 06 36.8–.30 13.92N 92.88W 14–0 5.0W,4.5s
BJI IV 18 07 06 40.0 14.20N 92.30W 66 5.2s,5.2b
CASC IV 18 07 06 47.3–1.6 14.34N 91.65W 123–34 4.9b,4.1
ISC Event type se.
MEX Error ellipse: s-maj=8.0km s-min=9.4km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=25.0km s-min=11.0km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.1km az=28.3.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s35,c45; s71,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}2.64±.13 $M_{\theta\theta}$-1.81±.09; $M_{\phi\phi}$-0.83±.09; $M_{r\theta}$2.14±.23; $M_{\theta\theta}$0.92±.05; $M_{\theta r}$-1.41±.22; Best double couple: NP1:ϕ_s300.00000°,δ22.00000°,λ87.00000°. NP2:ϕ_s123.00000°,δ68.00000°,λ91.00000°. Principal axes: T 3.7200,Plg67.0000° ,Azm35.0000°; N -0.2800,Plg1.0000°,Azm302.0000°; P -3.4400,Plg23.0000°,Azm212.0000° $M_0$3.60000×10^{16}
CASC Error ellipse: s-maj=28.4km s-min=21.3km az=-1.0.
MEX IV 19 06 12 25.5–.61 14.85N 94.20W 11–11 4.0

¶14682880

MEX Error ellipse: s-maj=7.6km s-min=5.9km az=-1.0.
ISC IV 21 10 39 43.6–.65 14.44N–.07 94.14W–.04 30 4.3b 39 2-145
IDC IV 21 10 39 40.5–.92 14.52N 93.78W 0 4.4,4.2 ¶12935878
ISCJB IV 21 10 39 41.3–.59 14.44N–.05 94.19W–.03 30 4.1b,3.7s
MEX IV 21 10 39 42.3–.70 14.32N 94.18W 19–17 4.3,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=15.4km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.3km az=19.5.
MEX Error ellipse: s-maj=7.0km s-min=3.0km az=-1.0.
IDC IV 22 20 04 13.8–1.8 13.85N 92.53W 0 4.2,3.9

¶16153273

IDC Error ellipse: s-maj=41.7km s-min=28.7km az=25.0.
ISC V 09 10 45 13.9–2.9 13.8N–.20 92.2W–.10 48–26 3.5b 21 1-63
IDC V 09 10 44 59.6–6.9 12.89N 91.62W 0 3.9,3.7 ¶13678608
CASC V 09 10 45 10.9–2.0 13.69N 92.29W 56–50 3.9,3.7
ISCJB V 09 10 45 11.0–1.6 13.6N–.10 92.26W–.07 41–16 3.4b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC V 10 01 20 24.3–1.3 13.80N 92.43W 0 4.3,4.0

¶16155563

IDC Error ellipse: s-maj=58.9km s-min=25.8km az=71.0.
MEX V 17 11 13 39.0–.58 14.82N 94.50W 16–8 4.2
NEIC V 17 11 13 39.0 14.82N 94.50W 16 4.2 ¶14645863
MEX Error ellipse: s-maj=6.3km s-min=2.4km az=-1.0.
NEIC Event type se. After MEX.
IDC V 27 06 41 17.8–6.3 13.85N 92.60W 0 3.9,3.7

¶16156211

IDC Error ellipse: s-maj=113.6km s-min=40.9km az=153.0.
ISC V 28 03 37 02.1–1.3 13.5N–.10 92.20W–.07 32 3.5b 20 1-63
IDC V 28 03 36 54.5–4.0 13.21N 91.75W 0 3.9,3.9L ¶13679783
CASC V 28 03 36 56.6–2.0 13.42N 92.52W 34–999 3.9,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=75.5km s-min=60.6km az=159.0.
CASC Error ellipse: s-maj=18.9km s-min=13.2km az=-1.0.
MEX V 30 22 19 16.9–.89 14.53N 94.63W 16–11 4.3

¶14739898

MEX Error ellipse: s-maj=11.5km s-min=3.2km az=-1.0.

(69) Near coast of Chiapas.

MEX I 02 22 33 17.9–.41 15.61N 93.52W 66–8 3.9

¶14597489

MEX Error ellipse: s-maj=5.8km s-min=6.4km az=-1.0.
ISC I 07 05 12 23.1–.86 14.11N–.06 92.62W–.06 50–7 4.7b,4.1s 863 1-147
NEIC I 07 05 12 13.7 13.41N 92.96W 16 4.8b,4.7 ¶11659093
MEX I 07 05 12 13.7–.66 13.41N 92.96W 16–28 4.7,4.7
ISCJB I 07 05 12 17.5–.29 14.16N–.04 92.53W–.03 10 4.7b,4.1s
IDC I 07 05 12 21.7–5.8 14.19N 92.38W 33–44 4.4,4.4
CASC I 07 05 12 34.2–1.3 13.93N 91.66W 16–14 4.3,4.4
ISC Event type ke.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=25.2km s-min=7.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.3km az=30.1.
IDC Error ellipse: s-maj=28.0km s-min=12.0km az=61.0.
CASC Error ellipse: s-maj=12.4km s-min=10.7km az=-1.0.
MEX I 08 02 10 42.6–.42 14.21N 93.58W 16–18 3.9

¶14597506

MEX Error ellipse: s-maj=15.0km s-min=5.8km az=-1.0.
MEX I 15 16 53 00.6–.75 15.71N 93.73W 88–8 4.1

¶14597532

MEX Error ellipse: s-maj=5.4km s-min=3.0km az=-1.0.
MEX I 20 22 53 52.5–.59 15.70N 93.08W 120–5 4.0
NEIC I 20 22 53 52.5 15.70N 93.08W 120 4.0 ¶13989174
MEX Error ellipse: s-maj=4.0km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX I 23 00 23 00.7–.84 15.74N 93.78W 87–13 3.6

¶14597568

MEX Error ellipse: s-maj=6.4km s-min=4.9km az=-1.0.
IDC I 25 08 11 01.2–3.6 14.20N 92.91W 0 3.6,3.4b

¶12082294

IDC Error ellipse: s-maj=147.4km s-min=57.4km az=52.0.
MEX I 28 06 09 01.5–.93 15.22N 93.99W 16–8 4.2
NEIC I 28 06 09 01.5 15.22N 93.99W 16 4.2 ¶13989264
MEX Error ellipse: s-maj=5.1km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
ISC I 28 07 50 25.3–.99 14.97N–.07 92.97W–.04 84–8 3.3b 40 1-104
ISCJB I 28 07 50 24.3–.85 14.97N–.07 92.99W–.04 92–6 3.3b ¶12082553
MEX I 28 07 50 26.2–1.4 14.93N 93.01W 86–15 4.3
NEIC I 28 07 50 26.2 14.93N 93.01W 86 4.3
IDC I 28 07 50 36.1–6.5 16.15N 93.11W 103–42 3.3,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.1km az=6.6.
MEX Error ellipse: s-maj=9.9km s-min=7.7km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=84.5km s-min=58.6km az=30.0.
ISC I 28 16 12 56.0–1.4 14.2N–.10 93.67W–.05 22 3.9b 16 2-145
ISCJB I 28 16 12 55.5–1.2 14.36N–.10 93.69W–.05 22 3.8b,3.2s ¶12082588
MEX I 28 16 12 55.3–1.8 14.13N 93.73W 20–132 4.2,3.2s
IDC I 28 16 12 55.4–3.1 14.59N 93.20W 0 4.1,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=6.6km az=0.5.
MEX Error ellipse: s-maj=61.6km s-min=17.3km az=-1.0.
IDC Error ellipse: s-maj=87.2km s-min=42.6km az=36.0.
MEX I 30 12 19 13.0–.47 15.65N 93.10W 118–5 3.7

¶14597606

MEX Error ellipse: s-maj=3.0km s-min=3.7km az=-1.0.
MEX II 01 13 41 01.8–.71 14.98N 93.19W 70–11 4.0

¶14597616

MEX Error ellipse: s-maj=5.3km s-min=5.7km az=-1.0.
MEX II 06 19 00 40.1–.54 14.09N 93.22W 5–14 3.7

¶14597656

MEX Error ellipse: s-maj=14.2km s-min=4.2km az=-1.0.
ISC II 09 19 33 33.6–3.9 14.18N–.08 93.87W–.05 4–25 4.2b,3.4s 31 2-145
ISCJB II 09 19 33 32.2–1.9 14.22N–.05 93.91W–.03 15–14 4.2b,3.4s ¶13434422
IDC II 09 19 33 34.8–1.3 14.40N 93.42W 0 4.4,4.2
MEX II 09 19 33 34.5–1.1 14.00N 93.89W 16–18 4.5,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.5km az=5.2.
IDC Error ellipse: s-maj=44.2km s-min=18.3km az=46.0.
MEX Error ellipse: s-maj=17.5km s-min=5.4km az=-1.0.
MEX II 11 20 24 43.8–.66 15.62N 93.57W 84–7 3.6

¶14597684

MEX Error ellipse: s-maj=4.7km s-min=6.7km az=-1.0.
MEX II 12 04 32 37.5–.86 14.88N 92.94W 68–14 3.9 ¶14597687

MEX Error ellipse: s-maj=7.1km s-min=5.5km az=-1.0.
ISC II 12 17 09 47.3–1.9 14.31N–.06 93.44W–.04 2–11 4.1b,3.6s 48 1-145
CASC II 12 17 09 46.3–2.3 15.08N 93.39W 172–39 4.8,3.6s **¶12700329**
ISCJB II 12 17 09 47.1–1.4 14.23N–.05 93.52W–.03 11–10 4.0b,3.7s
MEX II 12 17 09 51.0–1.1 14.16N 93.48W 16–18 4.0,3.7s
IDC II 12 17 09 52.4–5.3 14.36N 93.11W 33–39 4.2,4.0L
ISC Event type ke.
CASC Error ellipse: s-maj=40.8km s-min=25.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.0km az=14.0.
MEX Error ellipse: s-maj=13.2km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=41.0km s-min=18.7km az=48.0.
MEX II 16 13 41 51.0–.32 14.17N 92.52W 16–18 3.8 ¶14597709

MEX Error ellipse: s-maj=15.6km s-min=4.9km az=-1.0.
ISC II 24 01 50 34.7–.88 15.06N–.05 93.14W–.04 64–9 3.5b 56 1-145
IDC II 24 01 50 10.0–3.4 13.16N 92.76W 0 4.4L,3.9 **¶12701692**
ISCJB II 24 01 50 33.5–.53 15.00N–.06 93.21W–.04 71–7 3.4b,3.9
CASC II 24 01 50 34.0–4.2 14.18N 93.33W 80–166 4.2,3.9
NEIC II 24 01 50 35.3 14.96N 93.19W 60 4.5,3.9
MEX II 24 01 50 35.3–.87 14.96N 93.19W 60–12 4.5,3.9
ISC Event type se.
IDC Error ellipse: s-maj=63.5km s-min=52.5km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=4.2km az=28.7.
CASC Error ellipse: s-maj=57.0km s-min=31.0km az=-1.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=5.3km s-min=4.6km az=-1.0.
MEX II 25 04 19 13.4–1.1 14.11N 93.37W 16–56 4.1 ¶14597741

MEX Error ellipse: s-maj=9.0km s-min=9.1km az=-1.0.
MEX II 26 02 03 19.9–.67 15.50N 93.46W 94–6 3.7 ¶14597745

MEX Error ellipse: s-maj=6.1km s-min=3.8km az=-1.0.
MEX III 01 07 05 12.8–.45 15.66N 93.20W 110–4 3.6 ¶14597759

MEX Error ellipse: s-maj=4.0km s-min=3.0km az=-1.0.
MEX III 08 07 57 24.9–.44 14.76N 93.79W 15–6 4.1 ¶14597798

MEX Error ellipse: s-maj=3.9km s-min=2.4km az=-1.0.
MEX III 09 11 16 03.0–1.4 15.24N 93.97W 16–15 4.0
NEIC III 09 11 16 03.0 15.24N 93.97W 16 4.0 **¶14269640**
MEX Error ellipse: s-maj=9.0km s-min=4.9km az=-1.0.
NEIC Event type se. After MEX.
MEX III 12 12 28 39.4–.63 15.54N 93.65W 71–7 4.1
NEIC III 12 12 28 39.4 15.54N 93.65W 71 4.1 **¶14269662**
MEX Error ellipse: s-maj=5.1km s-min=3.5km az=-1.0.
NEIC Event type se. After MEX.
MEX III 12 21 16 52.8–.78 15.67N 93.17W 113–6 3.9 ¶14597821

MEX Error ellipse: s-maj=5.5km s-min=4.6km az=-1.0.
MEX III 14 06 53 32.0–.70 15.52N 93.84W 19–33 4.2
NEIC III 14 06 53 32.0 15.52N 93.84W 19 4.2 **¶14269676**
MEX Error ellipse: s-maj=5.7km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX III 14 18 31 55.2–.37 14.86N 93.41W 33–52 4.1 ¶14597830

MEX Error ellipse: s-maj=6.9km s-min=11.6km az=-1.0.
CASC III 21 21 39 22.7–1.9 14.88N 92.23W 80–23 3.5 ¶14608914

CASC Error ellipse: s-maj=19.8km s-min=9.7km az=-1.0.
ISC III 24 10 52 29.2–.81 14.65N–.05 92.85W–.03 63–7 4.7b 556 1-147
ISCJB III 24 10 52 28.0–.36 14.61N–.03 92.86W–.02 62–3 4.7b **¶12084354**
IDC III 24 10 52 28.6–1.7 14.74N 92.72W 58–15 4.3,4.2
NEIC III 24 10 52 28.4–.53 14.54N 92.80W 56–4 4.7b,4.6
BJI III 24 10 52 28.4 14.60N 92.80W 69 5.3s,5.1b
MEX III 24 10 52 28.6–.36 14.56N 92.90W 8–7 4.6,5.1b
CASC III 24 10 52 29.3–1.4 14.34N 92.85W 69–46 5.0L,4.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=2.6km az=27.9.
IDC Error ellipse: s-maj=17.8km s-min=9.4km az=44.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=202.0. Felt at Tuxtla Gutierrez. Felt [II] at Quetzaltenango, Guatemala. Also felt at Antigua Guatemala, Atitlan, Guatemala, Olintepeque, San Pedro la Laguna and Santa Maria de Jesus.
MEX Error ellipse: s-maj=6.4km s-min=2.2km az=-1.0.
CASC Error ellipse: s-maj=20.3km s-min=10.7km az=-1.0.
MEX III 25 04 47 56.2–.59 15.65N 93.36W 89–21 3.8 ¶14597967

MEX Error ellipse: s-maj=9.3km s-min=6.3km az=-1.0.
MEX III 25 09 44 54.8–.41 15.76N 93.79W 92–14 3.8 ¶14597970

MEX Error ellipse: s-maj=4.1km s-min=4.3km az=-1.0.
MEX IV 03 02 10 02.1–.90 15.96N 93.24W 146–13 4.1 ¶14682546

MEX Error ellipse: s-maj=7.9km s-min=5.0km az=-1.0.
MEX IV 03 08 44 49.3–.77 15.86N 93.69W 93–18 4.0 ¶14682548

MEX Error ellipse: s-maj=6.8km s-min=4.1km az=-1.0.
CASC IV 03 17 28 49.0–2.0 14.11N 92.07W 50–22 3.5 ¶14682560

CASC Error ellipse: s-maj=14.9km s-min=10.8km az=-1.0.
MEX IV 05 13 19 48.6–.70 14.99N 93.34W 23–39 4.0 ¶14682600

MEX Error ellipse: s-maj=4.7km s-min=7.4km az=-1.0.
ISC IV 08 01 20 30.9–.43 15.71N–.04 93.93W–.03 81–3 4.6b 608 1-151
ISCJB IV 08 01 20 30.6–.22 15.74N–.03 93.78W–.03 80 4.5b **¶13438149**
CASC IV 08 01 20 30.6–3.0 16.05N 93.98W 33–999 4.7b,4.5
NEIC IV 08 01 20 31.9–.48 15.75N 93.72W 84–4 4.7b,4.5
IDC IV 08 01 20 31.0–.60 15.80N 93.77W 78–4 4.3,4.2
MEX IV 08 01 20 32.3–.46 15.69N 94.01W 17–19 4.5,4.2
BJI IV 08 01 20 36.5 16.00N 93.30W 131 5.0b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.4km az=35.8.
CASC Error ellipse: s-maj=417.9km s-min=924.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.0km az=220.0. Felt at Tonala and Tuxtla Gutierrez.
IDC Error ellipse: s-maj=16.3km s-min=6.6km az=50.0.
MEX Error ellipse: s-maj=2.7km s-min=1.6km az=-1.0.
MEX IV 11 07 44 59.8–.72 14.41N 93.12W 26–35 3.9 ¶14682782

MEX Error ellipse: s-maj=14.0km s-min=8.0km az=-1.0.
CASC IV 11 12 16 39.5–2.3 14.82N 92.21W 80–13 3.7 ¶14682792

CASC Error ellipse: s-maj=24.1km s-min=12.8km az=-1.0.
IDC IV 18 18 45 53.2–2.6 14.04N 92.60W 0 3.9,3.7 ¶16153000

IDC Error ellipse: s-maj=45.4km s-min=38.0km az=179.0.
ISC IV 20 02 33 56.3–1.1 14.62N–.09 93.93W–.04 10 3.9b 24 2-62
ISCJB IV 20 02 33 54.0–.84 14.60N–.07 93.92W–.03 10 3.8b,3.5s **¶12935783**
MEX IV 20 02 33 57.7–1.1 14.46N 93.93W 16–16 4.2,3.5s
IDC IV 20 02 34 02.2–3.5 14.90N 93.72W 44–27 3.9,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.7km az=4.8.
MEX Error ellipse: s-maj=10.9km s-min=4.4km az=-1.0.
IDC Error ellipse: s-maj=34.2km s-min=17.3km az=28.0.
ISC IV 20 16 09 29.9–1.1 14.37N–.07 92.53W–.04 56–11 3.9b 50 1-145
ISCJB IV 20 16 09 28.3–.54 14.29N–.05 92.60W–.03 57–9 3.9b,2.9s **¶12935825**
MEX IV 20 16 09 30.3–.69 14.26N 92.62W 17–38 4.1,2.9s
IDC IV 20 16 09 33.7–1.9 14.82N 92.17W 79–15 3.9,3.7
CASC IV 20 16 09 33.4–1.9 14.36N 92.24W 72–25 4.1,3.7

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=3.5km az=27.8.
MEX Error ellipse: s-maj=6.4km s-min=8.3km az=-1.0.
IDC Error ellipse: s-maj=24.9km s-min=12.2km az=27.0.
CASC Error ellipse: s-maj=22.4km s-min=10.8km az=-1.0.
IDC IV 21 02 55 20.8–5.7 14.88N 93.43W 48–39 3.6,3.4L ¶16153183

IDC Error ellipse: s-maj=54.0km s-min=19.8km az=7.0.
ISC IV 21 22 09 25.7–.77 14.65N–.07 93.95W–.05 30 4.3b 27 2-145
MEX IV 21 22 09 21.5–.45 14.15N 94.22W 16–13 4.2 **¶12935842**
IDC IV 21 22 09 23.7–1.0 15.01N 93.32W 0 4.3,4.1
ISC Event type ke.
MEX Error ellipse: s-maj=11.0km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=40.3km s-min=17.7km az=52.0.
IDC IV 22 20 08 01.5–2.5 14.14N 92.83W 0 4.2,4.0b ¶16153274

IDC Error ellipse: s-maj=49.9km s-min=38.4km az=155.0.
MEX IV 23 18 10 13.7–.87 14.50N 93.59W 24–47 4.0 ¶14682916

MEX Error ellipse: s-maj=14.6km s-min=5.7km az=-1.0.
MEX IV 25 03 42 05.7–.85 14.69N 93.74W 17–54 4.0 ¶14682931

MEX Error ellipse: s-maj=32.2km s-min=39.9km az=-1.0.
ISC IV 29 23 21 32.0–.86 15.65N–.05 93.67W–.04 83–9 3.7b 44 1-61
ISCJB IV 29 23 21 30.8–.48 15.65N–.06 93.65W–.04 94–8 3.7b **¶12936384**
IDC IV 29 23 21 30.8–3.5 15.52N 93.39W 72–25 3.7,3.5
CASC IV 29 23 21 31.7–2.3 15.81N 93.27W 0–99 3.8,3.5
MEX IV 29 23 21 32.2–.68 15.45N 93.69W 33–61 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.1km az=30.6.
IDC Error ellipse: s-maj=51.8km s-min=23.2km az=33.0.
CASC Error ellipse: s-maj=97.6km s-min=190.0km az=-1.0.
MEX Error ellipse: s-maj=6.9km s-min=3.8km az=-1.0.
MEX IV 30 01 38 15.3–.53 15.49N 93.65W 16–10 3.8 ¶14682973

MEX Error ellipse: s-maj=8.1km s-min=3.6km az=-1.0.
MEX IV 30 06 32 03.2–.32 15.36N 93.79W 16–999 3.9 ¶14682976

MEX Error ellipse: s-maj=2.3km s-min=2.1km az=-1.0.
ISC V 02 03 29 30.3–.83 14.57N–.06 92.49W–.04 63–6 3.8b 43 0-145
IDC V 02 03 29 30.3–2.7 14.68N 92.20W 60–19 4.0,3.8 **¶13678212**
ISCJB V 02 03 29 30.0–.78 14.55N–.07 92.48W–.07 68–6 3.7b,3.8
MEX V 02 03 29 31.7–.40 14.54N 92.72W 11–7 4.0,3.8
CASC V 02 03 29 33.6–1.6 14.58N 92.26W 57–24 4.2,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=15.5km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=5.2km az=41.7.
MEX Error ellipse: s-maj=5.8km s-min=2.4km az=-1.0.
CASC Error ellipse: s-maj=19.7km s-min=11.5km az=-1.0.
MEX V 02 15 30 03.8–.56 14.33N 92.46W 45–13 4.0 ¶14739540

MEX Error ellipse: s-maj=8.5km s-min=6.8km az=-1.0.
IDC V 05 19 29 23.6–3.5 14.31N 93.74W 0 4.1L,4.1 ¶16154940

IDC Error ellipse: s-maj=69.6km s-min=38.9km az=158.0.
MEX V 05 21 16 21.1–.57 15.45N 93.30W 66–19 3.5 ¶14739577

MEX Error ellipse: s-maj=3.5km s-min=5.1km az=-1.0.
MEX V 11 11 12 39.2–.57 15.76N 93.53W 99–6 3.5 ¶14739606

MEX Error ellipse: s-maj=5.1km s-min=6.6km az=-1.0.
CASC V 12 05 31 40.7–2.3 14.26N 92.25W 107–14 3.6 ¶14772065

CASC Error ellipse: s-maj=21.9km s-min=13.4km az=-1.0.
ISC V 13 16 29 23.4–.91 14.75N–.08 92.20W–.08 67 4.0b 29 1-145
ISCJB V 13 16 29 22.3–.85 14.82N–.07 92.23W–.06 67 3.9b **¶13678882**
CASC V 13 16 29 24.8–1.9 14.64N 92.02W 103–14 3.9
IDC V 13 16 29 30.9–3.7 14.84N 91.51W 141–33 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.3km az=42.9.
CASC Error ellipse: s-maj=15.7km s-min=9.6km az=-1.0.
IDC Error ellipse: s-maj=39.6km s-min=16.3km az=66.0.
ISC V 14 11 50 22.1–1.2 14.60N–.06 92.78W–.04 45–13 3.9b 39 1-62
ISCJB V 14 11 50 20.7–.64 14.53N–.06 92.81W–.04 56–8 3.8b **¶13678934**
MEX V 14 11 50 22.8–.53 14.50N 92.85W 23–41 3.7
CASC V 14 11 50 24.6–2.0 14.56N 92.62W 54–60 4.1
IDC V 14 11 50 25.8–9.6 14.74N 92.30W 83–63 4.2L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=3.8km az=31.8.
MEX Error ellipse: s-maj=6.4km s-min=5.5km az=-1.0.
CASC Error ellipse: s-maj=28.5km s-min=13.1km az=-1.0.
IDC Error ellipse: s-maj=133.9km s-min=54.5km az=146.0.
ISC V 15 10 12 59.0–1.9 14.50N–.05 93.90W–.03 25–14 4.3b,3.3s 133 1-145
CASC V 15 10 12 47.7–1.5 14.34N 94.72W 91–81 4.5,3.3s **¶13439607**
ISCJB V 15 10 12 56.7–1.3 14.46N–.04 93.87W–.03 16–9 4.2b,3.4s
NEIC V 15 10 12 58.4 14.44N 93.93W 8 4.3b,4.2
MEX V 15 10 12 58.4–.36 14.44N 93.93W 8–5 4.2,4.2
IDC V 15 10 13 02.4–3.2 14.63N 93.50W 44–28 4.4L,4.3
ISC Event type se.
CASC Error ellipse: s-maj=30.1km s-min=15.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.2km az=30.4.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=3.6km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=25.3km s-min=12.9km az=52.0.
MEX V 16 06 31 19.2–.47 14.87N 94.00W 12–7 3.9 ¶14739744

MEX Error ellipse: s-maj=4.2km s-min=2.6km az=-1.0.
MEX V 17 13 01 59.4–.78 15.42N 93.22W 94–8 3.5 ¶14739753

MEX Error ellipse: s-maj=5.0km s-min=6.1km az=-1.0.
MEX V 23 15 13 37.0–.54 15.94N 93.77W 95–6 3.6 ¶14739865

MEX Error ellipse: s-maj=4.2km s-min=2.7km az=-1.0.
MEX V 24 12 59 29.7–.41 15.08N 93.01W 81–5 3.9 ¶14739873

MEX Error ellipse: s-maj=3.1km s-min=3.0km az=-1.0.
MEX V 25 09 17 19.5–.43 14.88N 93.39W 29–6 4.1
NEIC V 25 09 17 19.5 14.88N 93.39W 29 4.1 **¶14647661**
MEX Error ellipse: s-maj=3.0km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
ISC V 25 18 14 07.9–2.3 14.33N–.06 93.39W–.06 0–13 3.9b,3.2s 42 1-145
CASC V 25 18 14 05.2–3.6 13.81N 93.76W 34–999 4.2,3.2s **¶13679633**
IDC V 25 18 14 08.5–1.3 14.47N 93.22W 0 4.3,4.0
MEX V 25 18 14 09.0–.89 14.05N 93.48W 16–98 4.1,4.0
ISC Event type ke.
CASC Error ellipse: s-maj=111.7km s-min=717.9km az=-1.0.
IDC Error ellipse: s-maj=45.7km s-min=24.6km az=58.0.
MEX Error ellipse: s-maj=11.4km s-min=8.2km az=-1.0.
MEX V 27 05 41 08.3–.46 15.41N 93.10W 110–6 3.6 ¶14739888

MEX Error ellipse: s-maj=2.9km s-min=3.6km az=-1.0.
ISC V 28 00 23 43.3–.40 14.38N–.04 92.60W–.03 46–3 5.0b,4.5s 502 1-152
MOS V 28 00 23 40.6–1.1 14.48N 92.12W 33 5.3b,4.5s **¶12866344**
NEIC V 28 00 23 44.0–.29 14.40N 92.30W 51 5.0b,5.0W
GCMT V 28 00 23 44.4–.20 14.32N 92.77W 34–0 5.1W,5.0W
MEX V 28 00 23 44.5–1.4 14.33N 92.79W 16–54 4.6,5.0W
CASC V 28 00 23 44.5–1.4 14.15N 92.58W 50–66 5.0L,5.0b
BJI V 28 00 23 46.8 14.50N 92.30W 67 5.2b,5.1s
ISCJB V 28 00 23 47.2–.46 14.52N–.04 92.25W–.03 92–3 4.8b,5.1s
IDC V 28 00 23 48.7–2.6 14.53N 92.24W 88–21 4.6,4.5
ISC Event type fe.

MOS Error ellipse: s-maj=8.4km s-min=4.6km az=102.2.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=3.9km az=215.0. Felt at Guatemala. Also felt at Pijijiapan, Mexico. Moment Tensor Solution. s20 Moment tensor: Scale 10^{16}Nm; M_{rr}3.58 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-2.35 $M_{r\theta}$0.49 $M_{\theta\phi}$3.28 $M_{\phi r}$-0.27 Best double couple: NP1:ϕ_s326.00000° ,δ42.00000°,λ98.00000°. NP2:ϕ_s134.00000°,δ49.00000°,λ83.00000°. Principal axes: T 3.6300,Plg83.0000°,Azm351.0000°; N 1.5200,Plg5.0000°,Azm139.0000° ; P -5.1500,Plg3.0000°,Azm229.0000° M_o4.60000×10^{16}
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s74,c113; s81,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}5.39±.16 $M_{\theta\theta}$-4.43±.11; $M_{\phi\phi}$-0.96±.13; $M_{r\theta}$2.33±.10; $M_{\theta\phi}$2.23±.08; $M_{\phi r}$-1.56±.13; Best double couple: NP1:ϕ_s292.00000°,δ32.00000°,λ84.00000°. NP2:ϕ_s120.00000°,δ59.00000°,λ94.00000°. Principal axes: T 6.0800,Plg76.0000° ,Azm41.0000°; N 0.1100,Plg3.0000°,Azm298.0000°; P -6.1900,Plg14.0000°,Azm207.0000° M_o6.10000×10^{16}
MEX Error ellipse: s-maj=11.9km s-min=9.0km az=-1.0.
CASC Error ellipse: s-maj=19.7km s-min=14.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=3.4km az=39.4.
IDC Error ellipse: s-maj=16.7km s-min=9.6km az=61.0.

MEX	**V**	**28 03 53 45.4–.45**	**15.19N**	**93.04W**	**105–6**	**3.6**		
								¶14739893

MEX Error ellipse: s-maj=4.1km s-min=4.6km az=-1.0.

MEX	**V**	**29 05 54 01.5–.69**	**15.62N**	**93.59W**	**85–8**	**3.8**		
								¶14739894

MEX Error ellipse: s-maj=7.2km s-min=5.0km az=-1.0.

ISC	**V**	**30 10 16 00.4–1.2**	**14.31N–.06**	**92.72W–.04**	**38–2**	**3.8b**	**37**	**1-145**
ISCJB	V	30 10 15 59.1–.60	14.27N–.05	92.75W–.04	45–9	3.8b,2.9s		**¶13679968**
MEX	V	30 10 15 59.1–1.2	14.13N	92.70W	19–60	4.4,2.9s		
CASC	V	30 10 16 04.0–1.6	14.30N	92.45W	38–13	4.0,3.8L		
IDC	V	30 10 16 09.7–9.6	14.86N	92.26W	103–59	3.9,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.5km az=27.5.
MEX Error ellipse: s-maj=10.8km s-min=10.5km az=-1.0.
CASC Error ellipse: s-maj=19.6km s-min=20.3km az=-1.0.
IDC Error ellipse: s-maj=95.5km s-min=41.1km az=4.0.

MEX	**VI**	**04 05 11 02.3–.57**	**15.16N**	**93.92W**	**16–999**	**3.9**		
								¶14988589

MEX Error ellipse: s-maj=11.9km s-min=17.5km az=-1.0.

MEX	**VI**	**06 20 11 05.1–.76**	**15.31N**	**93.10W**	**97–10**	**3.6**		
								¶14988635

MEX Error ellipse: s-maj=6.2km s-min=7.7km az=-1.0.

MEX	**VI**	**07 05 42 40.4–.31**	**15.52N**	**93.75W**	**63–5**	**3.7**		
								¶14988651

MEX Error ellipse: s-maj=2.0km s-min=2.0km az=-1.0.

MEX	**VI**	**08 07 33 32.5–1.2**	**15.08N**	**93.58W**	**31–17**	**3.9**		
								¶14988671

MEX Error ellipse: s-maj=10.8km s-min=13.0km az=-1.0.

MEX	**VI**	**10 01 29 21.6–.86**	**15.00N**	**93.08W**	**60–13**	**3.8**		
								¶14988701

MEX Error ellipse: s-maj=6.9km s-min=6.9km az=-1.0.

MEX	**VI**	**10 10 52 56.6–.32**	**15.67N**	**93.45W**	**87–5**	**3.7**		
								¶14988702

MEX Error ellipse: s-maj=4.8km s-min=4.8km az=-1.0.

ISC	**VI**	**13 05 03 34.3–1.4**	**14.03N–.05**	**92.43W–.04**	**28–10**	**4.1b,3.3s**	**98**	**1-146**
ISCJB	VI	13 05 03 34.8–.73	14.06N–.05	92.34W–.04	35–6	4.2b,3.6s		**¶13057938**
MEX	VI	13 05 03 37.5–1.1	14.12N	92.58W	13–26	4.4,3.6s		
CASC	VI	13 05 03 37.6–1.5	13.96N	92.19W	50–44	4.1,4.1b		
NEIC	VI	13 05 03 38.4	14.15N	92.62W	16	4.4,4.1b		
IDC	VI	13 05 03 41.8–4.8	14.32N	91.89W	84–41	4.0,3.7b		
BJI	VI	13 05 03 42.0	14.60N	92.00W	81	5.0b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=4.5km az=33.3.
MEX Error ellipse: s-maj=27.1km s-min=13.2km az=-1.0.
CASC Error ellipse: s-maj=17.7km s-min=8.2km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=42.1km s-min=17.3km az=51.0.

MEX	**VI**	**17 14 18 52.9–.35**	**14.22N**	**93.04W**	**8–8**	**4.3**		
								¶14988865

MEX Error ellipse: s-maj=7.6km s-min=3.2km az=-1.0.

MEX	**VI**	**18 02 54 41.3–.50**	**14.50N**	**92.26W**	**78–6**	**3.8**		
								¶14988886

MEX Error ellipse: s-maj=8.7km s-min=8.0km az=-1.0.

MEX	**VI**	**22 04 56 18.0–.54**	**15.74N**	**93.92W**	**85–8**	**4.0**		
								¶14988978

MEX Error ellipse: s-maj=5.2km s-min=4.5km az=-1.0.

MEX	**VI**	**23 07 22 15.9–.32**	**15.97N**	**93.74W**	**29–6**	**4.0**		
								¶14988999

MEX Error ellipse: s-maj=2.5km s-min=6.3km az=-1.0.

MEX	**VI**	**25 04 56 13.7–.46**	**15.32N**	**93.30W**	**92–4**	**4.1**		
								¶14989041

MEX Error ellipse: s-maj=3.7km s-min=4.2km az=-1.0.

MEX	**VI**	**26 14 47 45.1–.57**	**14.69N**	**93.34W**	**48–23**	**3.6**		
								¶14989064

MEX Error ellipse: s-maj=8.2km s-min=8.4km az=-1.0.

MEX	**VI**	**26 17 13 43.0–.82**	**14.89N**	**93.29W**	**38–33**	**3.8**		
								¶14989065

MEX Error ellipse: s-maj=4.7km s-min=3.3km az=-1.0.

MEX	**VI**	**27 00 58 14.8–.51**	**15.59N**	**93.32W**	**92–6**	**3.9**		
								¶14989090

MEX Error ellipse: s-maj=2.9km s-min=2.9km az=-1.0.

MEX	**VI**	**28 23 43 06.7–1.1**	**15.23N**	**93.13W**	**95–11**	**3.8**		
								¶14989157

MEX Error ellipse: s-maj=6.9km s-min=9.0km az=-1.0.

MEX	**VI**	**29 15 42 27.0–.99**	**15.83N**	**93.89W**	**80–16**	**3.7**		
								¶14989196

MEX Error ellipse: s-maj=8.3km s-min=12.5km az=-1.0.

(70) Guatemala.

ISC	**I**	**01 11 44 51.4–.60**	**14.71N–.05**	**91.42W–.04**	**175–5**	**4.2b**	**92**	**0-145**
CASC	I	01 11 44 48.7–1.0	14.77N	91.34W	192–7	4.7b,3.8		**¶12079752**
ISCJB	I	01 11 44 50.2–.40	14.68N–.06	91.46W–.05	175–3	4.1b,3.8		
NEIC	I	01 11 44 51.7–.57	14.73N	91.39W	169–6	4.7b,4.2		
MEX	I	01 11 44 54.3–.49	14.69N	91.54W	165–6	4.2,4.2		
IDC	I	01 11 44 55.6–2.9	14.95N	90.88W	200–24	3.7,3.5b		

ISC Event type ke.
CASC Error ellipse: s-maj=19.5km s-min=10.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=4.1km az=34.4.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.2km az=51.0.
MEX Error ellipse: s-maj=5.8km s-min=8.2km az=-1.0.
IDC Error ellipse: s-maj=26.2km s-min=13.5km az=49.0.

ISC	**I**	**14 17 35 13.8–.83**	**14.13N–.07**	**91.44W–.04**	**98–6**	**4.4b**	**67**	**0-146**
ISCJB	I	14 17 35 12.8–.42	14.09N–.06	91.46W–.03	110–3	4.3b		**¶12081281**
IDC	I	14 17 35 12.3–2.2	14.42N	90.83W	75–16	4.2,4.1b		
CASC	I	14 17 35 14.6–1.1	14.02N	91.42W	85–13	4.3L,4.0		
MEX	I	14 17 35 16.0–.44	14.04N	91.57W	106–6	4.2,4.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=3.4km az=24.5.
IDC Error ellipse: s-maj=31.0km s-min=16.8km az=51.0.
CASC Error ellipse: s-maj=12.5km s-min=7.1km az=-1.0.
MEX Error ellipse: s-maj=8.6km s-min=5.3km az=-1.0.

CASC	**II**	**08 10 00 19.1–2.1**	**15.88N**	**89.70W**	**15**	**3.7**		
								¶14358915

CASC Error ellipse: s-maj=9.6km s-min=8.2km az=-1.0.

CASC	**II**	**11 23 15 59.4–2.3**	**14.08N**	**89.77W**	**0–8**	**3.5**		
								¶14359033

CASC Error ellipse: s-maj=6.4km s-min=3.3km az=-1.0.

ISC	**II**	**24 06 23 19.3–1.5**	**15.77N–.04**	**90.19W–.05**	**8–11**	**3.7b**	**25**	**1-52**
ISCJB	II	24 06 23 19.5–1.2	15.81N–.03	90.14W–.06	19–10	4.2s,3.7b		**¶12701710**
IDC	II	24 06 23 21.0–3.4	16.02N	90.30W	0	4.3s,4.3		
CASC	II	24 06 23 22.9–2.2	15.61N	90.13W	16–9	3.7L,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.3km az=169.6.
IDC Error ellipse: s-maj=49.0km s-min=19.9km az=155.0.
CASC Error ellipse: s-maj=9.5km s-min=8.5km az=-1.0.

ISC	**III**	**10 13 58 05.7–1.5**	**15.33N–.05**	**90.97W–.03**	**2–12**		**31**	**1-50**
IDC	III	10 13 57 54.4–13	13.53N	91.06W	0	4.1,3.6b		**¶12702875**
CASC	III	10 13 58 05.5–2.3	15.29N	91.01W	0–10	3.7,3.6b		
MEX	III	10 13 58 06.3–.81	15.29N	90.72W	22–16	4.1,3.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=281.1km s-min=111.0km az=8.0.
CASC Error ellipse: s-maj=14.2km s-min=10.7km az=-1.0.
MEX Error ellipse: s-maj=5.7km s-min=8.1km az=-1.0.

CASC	**III**	**25 21 01 05.5–1.2**	**14.24N**	**91.60W**	**59–12**	**3.6**		
								¶14609843

CASC Error ellipse: s-maj=11.2km s-min=6.1km az=-1.0.

ISC	**III**	**30 07 08 28.3–1.1**	**14.15N–.07**	**91.94W–.07**	**73–8**	**4.8b**	**604**	**0-146**
IDC	III	30 07 08 19.3–.61	14.27N	91.78W	0	4.6,4.6L		**¶12066230**
CASC	III	30 07 08 25.0–1.9	14.07N	92.19W	67–34	4.9b,4.5		
ISCJB	III	30 07 08 28.2–.45	14.20N–.04	91.86W–.03	86–3	4.7b,4.5		
BJI	III	30 07 08 28.7	14.30N	91.90W	77	5.5s,5.4		
NEIC	III	30 07 08 30.7–.65	14.21N	91.75W	95–5	4.9b,5.4		

ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=11.5km az=56.0.
CASC Error ellipse: s-maj=18.4km s-min=14.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=3.2km az=34.9.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.0km az=221.0.

IDC	**III**	**30 19 17 07.6–10**	**15.79N**	**89.89W**	**35–55**	**3.7,3.5**		
								¶12635975

IDC Error ellipse: s-maj=86.9km s-min=27.4km az=148.0.

CASC	**IV**	**04 20 01 03.3–2.2**	**14.35N**	**90.48W**	**2–7**	**2.9**		
								¶12934445

CASC Error ellipse: s-maj=5.8km s-min=3.9km az=-1.0.

ISC	**IV**	**04 20 55 52.6–1.2**	**14.33N–.03**	**90.38W–.03**	**0–7**	**4.3b,4.1s**	**150**	**0-146**
CASC	IV	04 20 55 49.9–3.9	14.36N	90.51W	0–10	4.6L,4.5b		**¶12089189**
NEIC	IV	04 20 55 51.8–.53	14.05N	90.57W	10	4.7,4.5b		
IDC	IV	04 20 55 52.8–.69	14.39N	90.45W	0	4.3,4.3L		

ISC Event type fe.
CASC Error ellipse: s-maj=7.7km s-min=8.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.4km s-min=6.7km az=217.0. Felt [II] at Ahuachapan, El Salvador.
IDC Error ellipse: s-maj=24.1km s-min=13.3km az=57.0.

ISC	**IV**	**04 21 22 06.3–.72**	**14.34N–.03**	**90.44W–.03**	**15–4**	**4.7b,4.6s**	**289**	**0-147**
IDC	IV	04 21 22 04.4–.62	14.38N	90.52W	0	4.5,4.5s		**¶12088404**
NEIC	IV	04 21 22 05.8–.36	14.38N	90.41W	10	4.9b,4.5s		
ISCJB	IV	04 21 22 05.9–.38	14.37N–.03	90.43W–.03	22–2	4.6s,4.6b		
GCMT	IV	04 21 22 10.7–.20	14.48N	90.56W	19–1	5.2W,4.6b		
SZGRF	IV	04 21 22 14.4	15.32N	90.31W	33	5.0b,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=10.3km az=56.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.0km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=2.9km az=38.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c90; s91,c147; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.14±.17 $M_{\theta\theta}$-5.54±.17; $M_{\phi\phi}$6.68±.19; $M_{r\theta}$-1.44±.35; $M_{\theta\phi}$-4.76±.16; $M_{\phi r}$0.41±.37; Best double couple: NP1:ϕ_s26.00000°,δ78.00000°,λ-4.00000°. NP2:ϕ_s117.00000°,δ86.00000°,λ-168.00000°. Principal axes: T 8.3900,Plg5.0000° ,Azm251.0000°; N -0.9800,Plg78.0000°,Azm136.0000°; P -7.4200,Plg11.0000° ,Azm342.0000° M_o7.90000×10^{16}
SZGRF Guatemala.

ISC	**IV**	**04 21 39 29.0–1.2**	**14.35N–.04**	**90.42W–.03**	**10–8**	**3.9b**	**35**	**0-61**
IDC	IV	04 21 39 25.7–6.0	14.21N	90.22W	0	4.2L,4.0		**¶12934435**
CASC	IV	04 21 39 28.5–1.6	14.32N	90.46W	6–6	3.8L,3.5		
ISCJB	IV	04 21 39 28.8–.48	14.35N–.04	90.49W–.03	21–4	3.8b,3.5		

ISC Event type ke.
ISCJB Event type ke.

CASC	**IV**	**04 21 51 53.3–1.5**	**14.32N**	**90.45W**	**5–4**	**3.5**		
								¶14682583

CASC Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.

CASC	**IV**	**04 22 14 45.0–1.6**	**14.33N**	**90.46W**	**0–4**	**3.5**		
								¶14682585

CASC Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0.

ISC	**IV**	**04 22 45 50.3–1.1**	**14.30N–.03**	**90.48W–.03**	**9–7**	**3.9b**	**35**	**0-61**
IDC	IV	04 22 45 48.5–1.3	14.20N	90.55W	0	4.1,4.0L		**¶12934426**
CASC	IV	04 22 45 49.2–2.4	14.32N	90.47W	1–5	3.8,3.7L		
ISCJB	IV	04 22 45 49.7–.66	14.30N–.04	90.54W–.03	14–4	3.8b,3.2s		

ISC Event type ke.
ISCJB Event type ke.

CASC	**IV**	**04 23 23 13.6–6.2**	**14.19N**	**90.24W**	**28–33**	**3.2**		
								¶14682589

CASC Error ellipse: s-maj=41.9km s-min=19.5km az=-1.0.

ISC	**IV**	**05 02 10 46.6–.78**	**14.38N–.03**	**90.43W–.03**	**11–4**	**4.2b,4.1s**	**178**	**0-145**
BJI	IV	05 02 10 44.9	14.30N	90.60W	10	5.6b,5.1s		**¶12088409**
IDC	IV	05 02 10 44.5–.90	14.33N	90.37W	0	4.7L,4.3		
NEIC	IV	05 02 10 46.0–.49	14.31N	90.56W	10	4.6,4.4b		
CASC	IV	05 02 10 46.0–2.4	14.38N	90.46W	13–12	4.4L,4.4b		
ISCJB	IV	05 02 10 46.2–.37	14.41N–.03	90.46W–.03	18–3	4.2b,4.1s		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Ahuachapan, El Salvador.
ISCJB Event type fe.

CASC	**IV**	**05 02 23 48.9–2.6**	**14.31N**	**90.47W**	**1–5**	**3.7,3.4L**		
								¶14682607

CASC Error ellipse: s-maj=4.7km s-min=3.6km az=-1.0.

ISC	**IV**	**05 03 22 14.2–1.1**	**14.31N–.03**	**90.45W–.02**	**2–6**	**4.6b,4.3s**	**245**	**0-150**
IDC	IV	05 03 22 13.9–.76	14.34N	90.64W	0	4.3,4.2		**¶12088410**
ISCJB	IV	05 03 22 13.6–.50	14.39N–.03	90.37W–.02	0–3	4.5b,4.3s		
CASC	IV	05 03 22 14.4–2.5	14.37N	90.49W	13–8	4.6,4.6b		
BJI	IV	05 03 22 14.6	14.30N	90.30W	10	5.4b,5.0s		
NEIC	IV	05 03 22 15.6–.43	14.30N	90.43W	10	4.6b,5.0s		
GCMT	IV	05 03 22 18.6–.30	14.39N	90.56W	23–1	4.9W,5.0s		

ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=13.2km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=2.8km az=26.1.
CASC Error ellipse: s-maj=6.6km s-min=5.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.1km az=223.0.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s15,c18; s71,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}0.16±.15 $M_{\theta\theta}$-2.91±.13; $M_{\phi\phi}$2.76±.12; $M_{r\theta}$1.03±.17; $M_{\theta\phi}$-0.94±.10; $M_{\phi r}$-0.32±.18; Best double couple: NP1:ϕ_s215.00000°,δ72.00000°,λ-4.00000°. NP2:ϕ_s306.00000°,δ86.00000°,λ-162.00000°. Principal axes: T 3.0000,Plg10.0000° ,Azm79.0000°; N 0.3400,Plg71.0000°,Azm317.0000°; P -3.3300,Plg16.0000°,Azm172.0000° M_o3.20000×10^{16}

CASC	**IV**	**05 05 27 52.4–1.8**	**14.35N**	**90.47W**	**5–5**	**3.5**		
								¶14682612

CASC Error ellipse: s-maj=3.1km s-min=2.6km az=-1.0.

ISC	**IV**	**05 22 18 53.6–1.1**	**14.31N–.04**	**90.49W–.03**	**11–8**	**4.0b**	**33**	**0-61**
IDC	IV	05 22 18 51.6–4.1	14.19N	90.57W	0	4.2L,4.1		**¶12934534**
CASC	IV	05 22 18 53.7–2.0	14.33N	90.49W	12–5	4.1,3.9L		
ISCJB	IV	05 22 18 53.8–.46	14.34N–.04	90.51W–.03	21–4	4.0b,3.0s		

ISC Event type ke.
ISCJB Event type ke.

CASC	**IV**	**06 22 37 44.7–4.7**	**14.45N**	**90.53W**	**35**	**3.6**		
								¶14682637

CASC Error ellipse: s-maj=16.7km s-min=9.4km az=-1.0.

ISC	**IV**	**07 15 13 59.6–.51**	**14.21N–.06**	**90.37W–.05**	**10**	**4.0s,4.0b**	**129**	**3-146**
IDC	IV	07 15 13 58.4–.71	14.19N	90.31W	0	4.1,4.1		**¶12100589**
ISCJB	IV	07 15 13 58.4–.39	14.21N–.05	90.35W–.04	10	4.0b,4.0s		
NEIC	IV	07 15 13 59.8–.44	14.21N	90.40W	10	4.7,4.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.5km s-min=12.0km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=3.9km az=29.5.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=7.3km az=54.0. Felt [IV] at Guatemala. Also felt at Amatitlan, Antigua Guatemala, Barberena and San Jose Pinula.

ISC	**IV**	**07 20 50 11.6–.82**	**14.33N–.03**	**90.43W–.03**	**17–5**	**4.5b,4.0s**	**241**	**0-146**
IDC	IV	07 20 50 09.8–.69	14.32N	90.45W	0	4.5,4.5L		**¶12100597**
CASC	IV	07 20 50 10.6–3.3	14.47N	90.50W	35	4.6b,4.3L		
NEIC	IV	07 20 50 10.9–.49	14.40N	90.38W	10	4.6b,4.3L		

ISCJB IV 07 20 50 10.7–.37 14.35N–.03 90.46W–.03 20–3 4.4b,4.0s
ISC Event type fe.
NEIC Event type fe. Felt [V] at Fraijanes; [IV] at Guatemala and San Catarina Pinula; [II] at Antigua Guatemala. Also felt at Cuilapa, Mixco, San Jose, San Jose Pinula, Villa Canales, Villa Nueva and in Escuintla, Retalhuleu, Sacatepequez and Santa Rosa.
ISCJB Event type fe.
CASC IV 07 23 04 17.8–4.4 14.37N 90.56W 35 3.5
¶14682650
CASC Error ellipse: s-maj=16.3km s-min=11.9km az=-1.0.
CASC IV 11 09 27 46.2–3.8 14.34N 90.44W 6–46 3.9,3.3L
¶14682790
CASC Error ellipse: s-maj=8.5km s-min=6.4km az=-1.0.
CASC IV 11 22 04 24.7–2.5 14.35N 90.49W 2–6 3.7,3.6L
¶14682793
CASC Error ellipse: s-maj=4.6km s-min=4.3km az=-1.0.
ISC IV 12 00 18 55.9–1.1 14.32N–.03 90.42W–.02 7–7 4.1b,3.6s 113 0-137
ISCJB IV 12 00 18 55.9–.46 14.31N–.03 90.47W–.03 12–3 4.1b,3.5s **¶12935136**
CASC IV 12 00 18 55.8–1.5 14.33N 90.50W 10 4.3b,3.8
NEIC IV 12 00 18 56.6–.67 14.33N 90.54W 10 4.3b,3.9
IDC IV 12 00 19 00.2–3.0 14.36N 90.50W 39–25 4.0,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.0km az=34.7.
CASC Error ellipse: s-maj=3.2km s-min=2.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=7.9km az=214.0. Felt at Guatemala.
IDC Error ellipse: s-maj=28.3km s-min=17.4km az=48.0.
ISC IV 13 01 57 47.5–1.3 14.1N–.10 91.60W–.06 76–9 3.8b 33 0-146
IDC IV 13 01 57 36.6–1.9 14.05N 90.82W 0 4.0,3.9L **¶12935226**
ISCJB IV 13 01 57 46.0–.86 14.00N–.09 91.66W–.06 86–7 3.6b,3.9L
CASC IV 13 01 57 48.2–2.7 13.95N 91.54W 29–11 3.9L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=51.6km s-min=30.4km az=22.0.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=6.3km az=26.3.
CASC Error ellipse: s-maj=9.7km s-min=10.5km az=-1.0.
CASC IV 14 12 22 17.9–2.1 14.06N 89.81W 6–6 3.7,3.1L
¶14682835
CASC Error ellipse: s-maj=3.8km s-min=2.5km az=-1.0.
CASC IV 14 14 23 52.6–1.7 14.04N 89.80W 8–7 3.5
¶14682836
CASC Error ellipse: s-maj=4.0km s-min=2.7km az=-1.0.
CASC IV 14 18 43 28.9–1.6 14.04N 89.80W 10–5 3.6L,3.5
¶14682838
CASC Error ellipse: s-maj=4.3km s-min=2.5km az=-1.0.
ISC IV 17 01 29 47.1–1.0 14.18N–.08 91.40W–.06 96–8 29 0-146
CASC IV 17 01 29 44.7–1.8 14.13N 91.46W 101–11 4.0L,3.6 **¶12935506**
ISCJB IV 17 01 29 44.9–.75 14.07N–.08 91.46W–.06 105–7 3.4b,3.6
IDC IV 17 01 29 47.1–1.9 14.27N 91.28W 83–18 3.5,3.2
ISC Event type ke.
CASC Error ellipse: s-maj=11.5km s-min=7.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=6.6km az=32.8.
IDC Error ellipse: s-maj=25.5km s-min=12.8km az=33.0.
CASC IV 17 22 44 39.8–2.1 14.01N 89.95W 0–3 3.5
¶14682869
CASC Error ellipse: s-maj=4.4km s-min=2.7km az=-1.0.
CASC V 03 06 00 16.1–4.1 14.44N 90.53W 35 3.6,3.4L
¶14772008
CASC Error ellipse: s-maj=11.0km s-min=6.7km az=-1.0.
ISC V 03 16 21 46.5–.23 14.62N–.03 91.19W–.03 115–1 5.6b 1870 0-160
BGS V 03 16 21 28.9–1.4 13.61N 91.34W 24 5.5b,5.3s **¶13439296**
CASC V 03 16 21 37.8–2.4 14.89N 91.80W 157–28 6.1L,5.6b
MOS V 03 16 21 43.9–1.0 14.66N 91.04W 106 5.6b,5.4s
NEIC V 03 16 21 45.3–.16 14.55N 91.14W 108 6.2W,6.2W
IDC V 03 16 21 46.6–.49 14.76N 90.94W 111–3 5.4s,5.4
ISCJB V 03 16 21 47.5–.33 14.59N–.02 91.16W–.02 142–2 5.4b,5.4
GCMT V 03 16 21 49.8–.10 14.56N 91.50W 90–0 6.3W,5.4
MEX V 03 16 21 51.1–.24 14.53N 91.89W 77–5 5.3,5.4
SZGRF V 03 16 21 57.4 14.93N 87.83W 123 6.0b,5.4
ISC Event type fe.
BGS Error ellipse: s-maj=359.2km s-min=355.8km az=-1.0.
CASC Error ellipse: s-maj=39.6km s-min=28.2km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=89.7.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=33.0. Felt [V] at Atitlan, Chichicastenango and Petapa; [IV] at Antigua Guatemala, Chimaltenango, Guatemala, Quetzaltenango, San Jose, Villa Canales and Villa Nueva; [III] at Mixco and Panajachel. Felt in most of southern Guatemala. Felt [III] at San Salvador, El Salvador. Also felt at Concepcion de Ataco, Opico and Sonsonate. Felt [II] at Tegucigalpa, Honduras. Also felt at Tapachula, Mexico. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ85.00000°,λ90.00000°. NP2: ϕ_s315.00000°,δ5.00000°,λ90.00000°. Principal axes: T Plg50.0000°,Azm45.0000° ; N Plg0.0000°,Azm0.0000°; P Plg40.0000°,Azm225.0000° Moment Tensor Solution. s68 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.23 $M_{\theta\theta}$0.44 $M_{\phi\phi}$-0.22 $M_{r\theta}$1.65 $M_{\theta\phi}$-0.16 $M_{\phi r}$-1.68 Best double couple: NP1:ϕ_s66.00000°,δ9.00000°,λ-159.00000°. NP2:ϕ_s315.00000° ,δ87.00000°,λ-82.00000°. Principal axes: T 2.4100,Plg41.0000°,Azm37.0000° ; N -0.0500,Plg7.0000°,Azm134.0000°; P -2.3700,Plg47.0000°,Azm233.0000° $M_0$2.40000×10^{18} Moment Tensor Solution. $M_0$4.70000×10^{18}
IDC Error ellipse: s-maj=9.6km s-min=5.5km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=33.9.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=104, comp=241, per= 50. Moment Tensor Solution. s116,c281; s91,c147; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.10±.02 $M_{\theta\theta}$1.34±.02; $M_{\phi\phi}$-0.24±.03; $M_{r\theta}$1.99±.02; $M_{\theta\phi}$-1.31±.02; $M_{\phi r}$-1.90±.02; Best double couple: NP1:ϕ_s89.00000°,δ19.00000°,λ-134.00000°. NP2:ϕ_s316.00000°,δ76.00000°,λ-76.00000°. Principal axes: T 3.6200,Plg30.0000°,Azm34.0000°; N -0.8100,Plg13.0000°,Azm132.0000° ; P -2.8100,Plg57.0000°,Azm244.0000° $M_0$3.20000×10^{18}
MEX Error ellipse: s-maj=6.4km s-min=6.0km az=-1.0.
SZGRF Honduras.
ISC V 03 21 59 46.5–.60 14.47N–.05 91.41W–.06 111–4 4.2b 84 0-146
ISCJB V 03 21 59 45.9–.55 14.48N–.05 91.39W–.06 121–5 4.2b **¶12750545**
IDC V 03 21 59 46.8–1.0 14.54N 91.20W 112–8 4.2,4.0
NEIC V 03 21 59 47.5–.55 14.55N 91.37W 118 4.3b,4.0
CASC V 03 21 59 48.1–2.7 14.24N 91.31W 103–14 4.3b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=8.0km az=159.5.
IDC Error ellipse: s-maj=21.5km s-min=14.7km az=78.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.2km az=59.0.
CASC Error ellipse: s-maj=17.6km s-min=11.6km az=-1.0.
IDC V 05 09 55 21.8–9.5 14.35N 89.86W 64–61 3.7,3.6b
¶16154928
IDC Error ellipse: s-maj=78.3km s-min=46.6km az=152.0.
CASC V 06 19 04 49.6–1.2 14.04N 89.79W 4–3 3.5
¶14772028
CASC Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.
ISC V 20 21 40 09.4–.99 14.14N–.07 90.97W–.04 126–7 58 0-27
CASC V 20 21 40 07.6–2.1 14.18N 90.94W 133–7 3.7 **¶14646676**
NEIC V 20 21 40 09.0–.78 14.13N 90.95W 137–10 4.2
MEX V 20 21 40 11.3–.47 14.12N 91.10W 144–10 4.2
ISC Event type se.
CASC Error ellipse: s-maj=11.6km s-min=8.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=8.0km az=203.0.
MEX Error ellipse: s-maj=8.0km s-min=9.3km az=-1.0.
IDC V 30 20 27 20.8–6.0 14.11N 91.59W 95–50 4.3s,4.2
¶16066089
IDC Error ellipse: s-maj=62.0km s-min=23.0km az=56.0.
CASC VI 03 00 10 02.2–1.9 15.81N 90.62W 0–19 3.7
¶14931220
CASC Error ellipse: s-maj=39.9km s-min=12.7km az=-1.0.
CASC VI 03 12 45 37.2–2.3 14.88N 89.69W 4–14 3.5
¶14931226
CASC Error ellipse: s-maj=13.0km s-min=10.6km az=-1.0.
CASC VI 14 04 55 51.6–1.2 14.49N 89.39W 34 3.6,3.1L
¶14931453
CASC Error ellipse: s-maj=16.6km s-min=4.0km az=-1.0.

ISC VI 14 14 18 19.2–.74 15.36N–.03 90.58W–.03 34–2 4.9b,4.5s 439 1-146
CASC VI 14 14 18 12.4–3.3 15.53N 90.69W 0–18 5.2L,4.9b **¶13383481**
IDC VI 14 14 18 14.0–.65 15.32N 90.43W 0 5.2L,4.6
ISCJB VI 14 14 18 17.5–.32 15.36N–.02 90.61W–.02 33–3 4.8b,4.6s
GCMT VI 14 14 18 17.7–.20 15.48N 90.56W 15–1 5.1W,4.6s
NEIC VI 14 14 18 19.9–.48 15.34N 90.58W 43–4 5.3,4.9b
BJI VI 14 14 18 21.1 15.40N 90.50W 47 5.3b,5.2s
SZGRF VI 14 14 18 29.7 15.88N 88.09W 33 5.2b,4.6s
ISC Event type fe.
CASC Error ellipse: s-maj=36.1km s-min=16.0km az=-1.0.
IDC Error ellipse: s-maj=22.5km s-min=12.4km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.8km az=38.4.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s45,c67; s85,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}0.01±.13 $M_{\theta\theta}$0.86±.12; $M_{\phi\phi}$-0.87±.14; $M_{r\theta}$0.70±.23; $M_{\theta\phi}$4.99±.13; $M_{\phi r}$0.19±.24; Best double couple: NP1:ϕ_s5.00000°,δ82.00000°,λ177.00000°. NP2:ϕ_s95.00000°,δ87.00000°,λ8.00000°. Principal axes: T 5.1400,Plg7.0000°,Azm320.0000° ; N -0.0600,Plg82.0000°,Azm115.0000°; P -5.0900,Plg3.0000°,Azm230.0000° $M_0$5.10000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.4km az=205.0. Felt [VI] at San Cristobal Verapaz, [V] at Coban and [III] at Guatemala and Mixco. Also felt at Antigua Guatemala, Chisec, Fraijanes, Jalapa, Panajachel, Petapa, San Andres Sajcabaja, San Benito, Santa Catarina Mita, Santa Catarina Pinula, Tactic and Villa Nueva. Felt [II] at Santa Ana, El Salvador. Felt [II] at Belize City, Belize. Also felt at Dangriga. Felt at Copan, Honduras.
SZGRF Honduras.

(71) Near coast of Guatemala.

CASC I 02 20 42 39.8–1.3 13.86N 91.67W 2–12 3.5
¶15649831
CASC Error ellipse: s-maj=9.6km s-min=16.4km az=-1.0.
ISC I 03 09 15 58.0–3.7 13.9N–.20 91.6W–.10 54–24 28 1-146
IDC I 03 09 15 49.0–4.4 14.27N 90.55W 0 3.7L,3.7 **¶12079886**
NEIC I 03 09 16 00.8 13.93N 91.74W 61 4.0,3.7
MEX I 03 09 16 00.8–.36 13.93N 91.74W 61–17 4.0,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=158.6km s-min=53.3km az=29.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=10.6km s-min=10.5km az=-1.0.
CASC I 03 22 51 32.3–1.4 13.60N 90.83W 17–4 3.8L,3.5
¶15649832
CASC Error ellipse: s-maj=4.4km s-min=3.2km az=-1.0.
CASC I 05 22 09 52.2–1.2 13.37N 90.27W 29–3 3.5L,3.5
¶15649838
CASC Error ellipse: s-maj=3.6km s-min=2.8km az=-1.0.
CASC I 09 01 33 50.1–1.5 13.38N 90.20W 33–4 3.7L,3.4
¶15649859
CASC Error ellipse: s-maj=4.7km s-min=2.7km az=-1.0.
CASC I 11 03 04 17.5–1.4 13.55N 90.34W 40–24 3.7L,3.5
¶15649869
CASC Error ellipse: s-maj=7.3km s-min=3.6km az=-1.0.
CASC I 14 09 16 26.2–1.5 13.66N 91.08W 17–9 3.5,3.3L
¶15649876
CASC Error ellipse: s-maj=11.2km s-min=7.2km az=-1.0.
ISC I 15 07 12 16.0–2.3 13.7N–.10 91.37W–.06 31–14 3.6b 32 1-146
ISCJB I 15 07 12 12.9–1.9 13.50N–.08 91.47W–.04 24–19 3.5b **¶12081313**
CASC I 15 07 12 14.4–2.1 13.63N 91.46W 30–15 3.9L,3.7
IDC I 15 07 12 17.5–3.1 13.73N 91.21W 51–23 3.8L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=5.9km az=18.5.
CASC Error ellipse: s-maj=8.9km s-min=15.4km az=-1.0.
IDC Error ellipse: s-maj=54.4km s-min=18.4km az=33.0.
CASC I 17 08 38 12.6–1.4 13.42N 90.95W 20–7 3.6
¶15649883
CASC Error ellipse: s-maj=5.8km s-min=5.5km az=-1.0.
CASC I 28 23 44 30.9–2.2 13.65N 91.08W 21–8 3.5
¶15649901
CASC Error ellipse: s-maj=7.3km s-min=7.8km az=-1.0.
CASC I 29 03 03 30.9–1.8 13.23N 90.31W 13–11 3.6
¶15649903
CASC Error ellipse: s-maj=6.8km s-min=5.0km az=-1.0.
CASC II 03 02 34 00.4–1.6 13.66N 91.00W 33–12 3.6
¶14358757
CASC Error ellipse: s-maj=6.3km s-min=5.2km az=-1.0.
ISC II 03 11 17 36.2–1.8 13.15N–.06 91.12W–.05 0–11 31 1-147
IDC II 03 11 17 35.7–2.1 13.15N 90.95W 0 4.0s,4.0 **¶12699463**
CASC II 03 11 17 44.1–2.8 13.47N 90.88W 0–8 4.0,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=58.2km s-min=28.0km az=35.0.
CASC Error ellipse: s-maj=12.0km s-min=9.2km az=-1.0.
ISC II 09 17 02 27.6–1.3 13.34N–.07 90.90W–.04 41–14 3.2b 55 1-147
ISCJB II 09 17 02 27.2–.68 13.39N–.06 90.88W–.04 57–9 3.7s,3.7b **¶12699859**
IDC II 09 17 02 29.8–2.5 13.47N 90.90W 60–19 3.8,3.7
CASC II 09 17 02 30.8–2.0 13.60N 90.67W 34–7 4.2L,4.0
MEX II 09 17 02 30.2–.27 13.24N 91.18W 17–8 4.4,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=3.8km az=24.4.
IDC Error ellipse: s-maj=55.2km s-min=12.8km az=37.0.
CASC Error ellipse: s-maj=8.3km s-min=5.8km az=-1.0.
MEX Error ellipse: s-maj=5.4km s-min=6.1km az=-1.0.
CASC II 09 22 16 14.5–3.4 13.76N 90.32W 158–17 3.7
¶14358959
CASC Error ellipse: s-maj=23.0km s-min=16.1km az=-1.0.
CASC II 11 08 33 38.9–1.5 13.81N 91.11W 31–7 3.7
¶14359029
CASC Error ellipse: s-maj=5.7km s-min=5.4km az=-1.0.
CASC II 12 19 39 03.5–3.1 13.46N 91.32W 20–13 3.5
¶14359064
CASC Error ellipse: s-maj=12.0km s-min=16.9km az=-1.0.
ISC II 19 08 26 25.0–.72 13.36N–.06 91.51W–.06 10 4.0b,3.7s 41 1-147
CASC II 19 08 26 19.5–3.4 13.06N 91.83W 0–66 4.2,3.9L **¶12701220**
ISCJB II 19 08 26 22.9–.66 13.27N–.06 91.69W–.04 10 3.9b,3.8s
IDC II 19 08 26 23.8–.87 13.73N 90.98W 0 4.1,4.1L
ISC Event type ke.
CASC Error ellipse: s-maj=73.6km s-min=113.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.2km az=22.6.
IDC Error ellipse: s-maj=44.6km s-min=16.5km az=59.0.
ISC II 19 08 39 49.8–3.1 13.18N–.09 91.66W–.08 14–15 27 1-64
ISCJB II 19 08 39 47.2–2.2 13.03N–.07 91.73W–.06 15–22 3.3b **¶12701222**
CASC II 19 08 39 49.5–2.9 13.12N 91.62W 14–12 3.8
IDC II 19 08 39 57.6–7.1 13.39N 91.30W 77–68 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=10.0km az=147.3.
CASC Error ellipse: s-maj=9.6km s-min=17.4km az=-1.0.
IDC Error ellipse: s-maj=258.2km s-min=49.1km az=38.0.
CASC II 19 09 20 49.2–2.9 13.19N 91.73W 0–19 3.9
¶14359316
CASC Error ellipse: s-maj=20.4km s-min=36.7km az=-1.0.
CASC II 19 09 35 04.3–1.9 13.29N 91.55W 10–25 3.8
¶14359317
CASC Error ellipse: s-maj=7.5km s-min=23.1km az=-1.0.
CASC II 25 01 10 07.2–2.8 13.95N 90.95W 128–13 3.6
¶14359498
CASC Error ellipse: s-maj=17.0km s-min=12.7km az=-1.0.
ISC III 08 22 15 02.2–.39 13.95N–.04 91.65W–.03 58–2 4.9b,4.2s 654 0-160
IDC III 08 22 15 02.5–.52 14.18N 91.17W 58–4 4.4,4.3 **¶11788827**
ISCJB III 08 22 15 02.0–.21 14.03N–.03 91.59W–.02 58 4.8b,4.1s
BJI III 08 22 15 02.7 14.10N 91.40W 60 5.3s,5.2b
NEIC III 08 22 15 02.8–.22 14.05N 91.36W 59 4.9b,4.7
MEX III 08 22 15 03.2–.64 13.71N 91.97W 30 4.6,4.7
CASC III 08 22 15 03.3–1.9 13.87N 91.55W 22–12 4.9b,4.7
GCMT III 08 22 15 03.6–.30 13.92N 91.98W 50–1 5.0W,4.7
ISC Event type fe.

IDC Error ellipse: s-maj=22.3km s-min=10.0km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.1km az=31.5.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.7km az=51.0. Felt [II] at Guatemala. Also felt at Alotenango, Antigua Guatemala, Ciudad Vieja, La Esperanza, Mazatenango, Mixco, Retalhuleu, San Francisco Zapotitlan, San Pedro La Laguna, San Pedro Sacatepequez and Villa Nueva.
MEX Error ellipse: s-maj=6.3km s-min=7.8km az=-1.0.
CASC Error ellipse: s-maj=9.5km s-min=8.2km az=-1.0.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s47,c63; s52,c75; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.33±.20 $M_{\theta\theta}$1.33±.15; $M_{\phi\phi}$3.00±.18; $M_{r\theta}$0.21±.10; $M_{\theta\phi}$-2.67±.11; $M_{\phi r}$-0.79±.14; Best double couple: NP1:ϕ_s139.00000°,δ41.00000°,λ-97.00000°. NP2:ϕ_s328.00000°,δ50.00000°,λ-84.00000°. Principal axes: T 5.0200,Plg5.0000° ,Azm54.0000°; N -0.6100,Plg4.0000°,Azm144.0000°; P -4.4100,Plg84.0000°,Azm278.0000° $M_0$4.70000×10^{16}

ISC	**III**	**09 06 01 11.0–.39**	**13.52N–.03**	**90.71W–.03**	**54–3**	**5.2b,4.8s**	**966**	**1-154**
MOS	III	09 06 01 07.8–1.2	13.61N	90.44W	33	5.4b,4.7s		¶11788840
IDC	III	09 06 01 09.3–1.3	13.75N	90.29W	37–9	5.5L,4.8		
CASC	III	09 06 01 10.5–1.6	13.47N	90.77W	21–5	5.3L,5.3b		
ISCJB	III	09 06 01 10.0–.16	13.57N–.02	90.66W–.02	50	5.2b,4.8s		
SZGRF	III	09 06 01 11.1	15.47N	91.92W	33	5.0b,4.8s		
NEIC	III	09 06 01 11.1–.22	13.54N	90.57W	50	5.4,5.3b		
GCMT	III	09 06 01 12.4–.10	13.46N	90.89W	40–0	5.4W,5.3b		

ISC Event type fe.
MOS Error ellipse: s-maj=9.8km s-min=4.6km az=107.6.
IDC Error ellipse: s-maj=18.8km s-min=9.1km az=53.0.
CASC Error ellipse: s-maj=4.1km s-min=3.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.9km az=33.3.
SZGRF Mexico-Guatemala border region.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.5km az=224.0. Felt [IV] at Antigua Guatemala and [II] at Guatemala. Also felt at Chichicastenango, Chiquimulilla, Ciudad Vieja, Fraijanes, Jocotenango, Jutiapa, La Esperanza, Mazatenango, Mixco, Palin, Panajachel, Quetzaltenango, San Jose, San Jose El Idolo, San Lucas Sacatepequez, San Pedro La Laguna, Santa Catarina Pinula, Santiago Sacatepequez, Totonicapan and Villa Nueva. Felt [III] at San Salvador, El Salvador. Also felt at San Juan Opico. Felt at Tapachula and Tuxtla Gutierrez, Mexico.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s82,c135; s81,c142; Moment tensor: Scale 10^{17}Nm; M_{rr}1.16±.03 $M_{\theta\theta}$-1.26±.02; $M_{\phi\phi}$0.10±.02; $M_{r\theta}$-0.44±.02; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$0.26±.02; Best double couple: NP1:ϕ_s57.00000°,δ40.00000°,λ62.00000°. NP2:ϕ_s272.00000°,δ56.00000°,λ111.00000°. Principal axes: T 1.3300,Plg71.0000° ,Azm233.0000°; N 0.0900,Plg18.0000°,Azm79.0000°; P -1.4200,Plg8.0000°,Azm347.0000° $M_0$1.40000×10^{17}

ISC	**III**	**10 02 21 55.4–1.1**	**13.96N–.09**	**91.64W–.06**	**69–9**	**3.5b**	**30**	**0-146**
ISCJB	III	10 02 21 52.6–1.1	13.8N–.10	91.74W–.07	75–9	3.4b		¶12702837
CASC	III	10 02 21 53.8–2.3	13.80N	91.64W	26–13	4.0		
IDC	III	10 02 21 56.0–6.4	14.08N	91.60W	66–40	3.9L,3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=6.9km az=27.2.
CASC Error ellipse: s-maj=9.4km s-min=11.4km az=-1.0.
IDC Error ellipse: s-maj=54.7km s-min=21.1km az=173.0.

CASC	**III**	**10 03 51 30.4–2.7**	**14.00N**	**91.57W**	**71–35**	**3.7**		
								¶14608157

CASC Error ellipse: s-maj=21.9km s-min=11.5km az=-1.0.

ISC	**III**	**10 15 59 59.6–2.4**	**13.24N–.09**	**90.76W–.05**	**2–12**		**28**	**1-147**
IDC	III	10 15 59 58.4–3.5	13.11N	90.65W	0	4.2,4.1L		¶12702882
ISCJB	III	10 16 00 02.6–1.4	13.33N–.06	90.84W–.04	20–8	3.9b,3.1s		
CASC	III	10 16 00 04.6–2.4	13.42N	90.76W	20–8	3.7,3.7L		

ISC Event type ke.
IDC Error ellipse: s-maj=64.3km s-min=53.3km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.4km az=13.4.
CASC Error ellipse: s-maj=7.0km s-min=6.0km az=-1.0.

CASC	**III**	**15 21 40 44.6–1.5**	**13.63N**	**90.86W**	**42–47**	**3.5**		
								¶14608353

CASC Error ellipse: s-maj=9.6km s-min=5.5km az=-1.0.

CASC	**III**	**20 10 50 29.9–2.5**	**13.16N**	**90.97W**	**12–17**	**3.7**		
								¶14608870

CASC Error ellipse: s-maj=8.8km s-min=7.4km az=-1.0.

CASC	**III**	**23 02 11 33.0–2.5**	**13.21N**	**91.69W**	**37–999**	**3.7**		
								¶14609730

CASC Error ellipse: s-maj=37.7km s-min=17.5km az=-1.0.

CASC	**III**	**30 07 41 30.7–2.1**	**13.99N**	**91.99W**	**28–18**	**3.7**		
								¶14610013

CASC Error ellipse: s-maj=15.1km s-min=16.4km az=-1.0.

ISC	**III**	**30 18 25 13.4–2.0**	**13.0N–.10**	**90.15W–.06**	**42–19**	**3.9b**	**30**	**1-147**
ISCJB	III	30 18 25 12.7–1.1	13.03N–.08	90.15W–.06	59–12	3.9b		¶12635971
CASC	III	30 18 25 12.1–1.2	13.02N	90.14W	20–6	3.7		
IDC	III	30 18 25 16.5–3.0	13.61N	89.66W	51–34	3.7,3.4b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=8.0km az=27.0.
CASC Error ellipse: s-maj=4.8km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=64.9km s-min=25.9km az=32.0.

ISC	**III**	**31 04 58 46.2–1.1**	**13.23N–.07**	**90.30W–.04**	**10**	**4.0b**	**34**	**1-137**
ISCJB	III	31 04 58 44.8–.73	13.12N–.05	90.34W–.04	10	3.7b		¶12636005
IDC	III	31 04 58 46.5–1.9	14.05N	89.63W	0	3.8,3.6		
CASC	III	31 04 58 47.5–1.3	13.24N	90.29W	20–4	3.7,3.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=20.6.
IDC Error ellipse: s-maj=53.7km s-min=26.9km az=36.0.
CASC Error ellipse: s-maj=5.3km s-min=3.1km az=-1.0.

ISC	**IV**	**01 15 31 28.1–1.3**	**13.38N–.07**	**90.95W–.05**	**42–11**	**4.2b**	**190**	**1-147**
CASC	IV	01 15 31 27.8–1.5	13.39N	90.94W	35	4.6L,4.4b		¶12934227
ISCJB	IV	01 15 31 27.7–.84	13.37N–.06	90.93W–.05	46–6	4.2b,3.8s		
NEIC	IV	01 15 31 30.4–1.5	13.53N	90.76W	63–13	4.8,4.4b		
IDC	IV	01 15 31 32.4–2.7	13.75N	90.42W	71–23	4.1,3.9b		

ISC Event type ke.
CASC Error ellipse: s-maj=7.6km s-min=4.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=4.7km az=31.8.
NEIC Event type fe. Error ellipse: s-maj=22.0km s-min=10.1km az=50.0. Felt [II] at San Salvador, El Salvador.
IDC Error ellipse: s-maj=27.7km s-min=10.6km az=52.0.

IDC	**IV**	**04 20 01 40.4–9.0**	**13.97N**	**90.58W**	**0**	**4.1L,4.0**		
								¶16505256

IDC Error ellipse: s-maj=184.8km s-min=51.6km az=178.0.

CASC	**IV**	**07 07 08 12.6–1.8**	**13.93N**	**91.63W**	**24–10**	**3.5,3.1L**		
								¶14682648

CASC Error ellipse: s-maj=8.7km s-min=6.8km az=-1.0.

CASC	**IV**	**09 04 20 09.3–2.5**	**13.21N**	**90.89W**	**34–64**	**3.6**		
								¶14682763

CASC Error ellipse: s-maj=32.5km s-min=17.8km az=-1.0.

ISC	**IV**	**13 21 09 34.6–1.3**	**13.47N–.07**	**91.17W–.05**	**54–11**	**4.3b,3.6s**	**246**	**1-147**
CASC	IV	13 21 09 29.8–2.1	13.29N	91.30W	24–12	4.3b,4.2L		¶12935161
ISCJB	IV	13 21 09 31.3–.82	13.33N–.05	91.25W–.04	36–7	4.3b,3.1s		
IDC	IV	13 21 09 35.1–2.0	13.73N	90.91W	53–17	4.2,4.1L		
NEIC	IV	13 21 09 36.7–1.4	13.64N	90.97W	71–12	4.3b,4.1L		

ISC Event type ke.
CASC Error ellipse: s-maj=7.7km s-min=9.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.5km az=33.0.
IDC Error ellipse: s-maj=28.6km s-min=10.8km az=43.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=8.2km az=225.0.

ISC	**IV**	**13 21 16 18.6–3.3**	**13.19N–.08**	**91.34W–.05**	**23–22**	**4.0b**	**37**	**1-147**
ISCJB	IV	13 21 16 14.3–1.4	13.12N–.05	91.38W–.04	10–11	4.1b,3.4s		¶12935160
CASC	IV	13 21 16 16.0–3.0	13.16N	91.38W	20–21	4.0L,3.8		
IDC	IV	13 21 16 27.3–3.4	13.75N	90.78W	87–29	4.1,3.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.4km az=21.1.
CASC Error ellipse: s-maj=8.5km s-min=15.4km az=-1.0.
IDC Error ellipse: s-maj=46.3km s-min=17.0km az=52.0.

CASC	**IV**	**16 04 11 56.8–1.8**	**13.36N**	**90.50W**	**21–6**	**3.9L,3.4**		
								¶14682859

CASC Error ellipse: s-maj=5.8km s-min=4.0km az=-1.0.

ISC	**IV**	**17 09 03 07.8–2.2**	**13.0N–.10**	**90.96W–.07**	**42–18**	**3.7b**	**25**	**1-147**
CASC	IV	17 09 03 00.2–3.5	12.70N	91.01W	0–16	3.8,3.4L		¶12935477
ISCJB	IV	17 09 03 05.5–1.3	12.97N–.10	91.03W–.07	44–12	3.7b,3.0s		
IDC	IV	17 09 03 10.6–4.8	13.80N	90.39W	32–43	3.7,3.5L		

ISC Event type ke.
CASC Error ellipse: s-maj=26.6km s-min=14.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=17.7km s-min=7.9km az=27.0.
IDC Error ellipse: s-maj=83.7km s-min=21.6km az=36.0.

CASC	**IV**	**20 07 40 44.9–2.6**	**13.04N**	**91.62W**	**36–58**	**3.7,3.3L**		
								¶14682895

CASC Error ellipse: s-maj=29.3km s-min=22.4km az=-1.0.

ISC	**IV**	**20 07 52 15.4–3.2**	**13.2N–.10**	**91.48W–.06**	**25–21**	**3.4b**	**30**	**1-52**
CASC	IV	20 07 52 13.4–1.8	13.13N	91.51W	20–12	3.7,3.3L		¶12935755
IDC	IV	20 07 52 18.3–5.5	13.45N	91.41W	34–42	3.6,3.5		

ISC Event type ke.
CASC Error ellipse: s-maj=10.0km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=63.0km s-min=25.9km az=39.0.

CASC	**IV**	**22 06 36 38.9–3.5**	**13.35N**	**90.95W**	**23–10**	**3.5,3.2L**		
								¶14682911

CASC Error ellipse: s-maj=9.7km s-min=7.7km az=-1.0.

CASC	**IV**	**27 06 48 28.9–2.1**	**13.59N**	**91.44W**	**24–11**	**3.5**		
								¶14682952

CASC Error ellipse: s-maj=7.1km s-min=8.1km az=-1.0.

ISC	**IV**	**29 10 28 10.4–2.6**	**13.64N–.10**	**91.92W–.07**	**4–14**	**3.8b,3.2s**	**27**	**1-146**
IDC	IV	29 10 28 09.8–3.0	13.97N	91.51W	0	4.1,3.8L		¶12936430
CASC	IV	29 10 28 12.2–2.5	13.64N	91.82W	2–24	3.9,3.8L		

ISC Event type ke.
IDC Error ellipse: s-maj=122.0km s-min=37.8km az=41.0.
CASC Error ellipse: s-maj=10.3km s-min=25.4km az=-1.0.

CASC	**IV**	**29 23 33 29.1–2.6**	**13.24N**	**90.89W**	**1–6**	**3.5**		
								¶14682968

CASC Error ellipse: s-maj=10.2km s-min=8.1km az=-1.0.

ISC	**V**	**01 10 11 17.9–1.8**	**13.2N–.10**	**90.90W–.06**	**50–15**	**3.5b**	**35**	**1-147**
IDC	V	01 10 11 13.0–3.4	13.64N	90.38W	0	3.9,3.7		¶13678169
CASC	V	01 10 11 16.0–3.3	13.14N	90.91W	22–14	4.0,3.2L		
ISCJB	V	01 10 11 16.5–1.2	13.14N–.10	90.92W–.05	60–10	3.6b,3.2s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**V**	**02 03 17 07.6–1.2**	**13.78N–.08**	**91.07W–.05**	**69–9**	**3.8b**	**38**	**1-51**
IDC	V	02 03 17 04.8–9.2	13.73N	90.79W	42–60	3.7,3.6L		¶13678211
CASC	V	02 03 17 07.9–2.2	13.72N	91.07W	37–8	3.8,3.6L		
ISCJB	V	02 03 17 07.0–.84	13.73N–.08	91.09W–.05	73–7	3.5b,3.6L		

ISC Event type ke.
ISCJB Event type ke.

IDC	**V**	**02 11 41 12.9–23**	**13.55N**	**90.82W**	**0**	**3.8L,3.5**		
								¶16154834

IDC Error ellipse: s-maj=449.0km s-min=65.5km az=7.0.

ISC	**V**	**02 17 38 32.7–1.3**	**14.0N–.10**	**91.42W–.06**	**71–10**		**26**	**0-146**
ISCJB	V	02 17 38 30.9–.92	13.87N–.09	91.49W–.06	75–9	3.8b		¶13678240
CASC	V	02 17 38 32.5–2.3	13.87N	91.42W	46–46	3.7		
IDC	V	02 17 38 35.3–6.0	14.31N	91.25W	82–37	3.8,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=6.9km az=23.9.
CASC Error ellipse: s-maj=12.6km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=53.7km s-min=19.5km az=169.0.

ISC	**V**	**04 00 55 21.0–.72**	**13.93N–.06**	**91.35W–.06**	**66–5**	**4.1b**	**56**	**0-146**
IDC	V	04 00 55 21.3–.76	14.14N	90.94W	64–6	3.9,3.7		¶13678308
CASC	V	04 00 55 21.6–2.1	13.82N	91.33W	32–9	4.2L,4.0		
ISCJB	V	04 00 55 21.3–.67	14.00N–.06	91.31W–.05	82–5	4.1b,4.0		

ISC Event type ke.
ISCJB Event type ke.

CASC	**V**	**07 22 40 29.0–1.7**	**13.44N**	**90.79W**	**37–4**	**3.6**		
								¶14772032

CASC Error ellipse: s-maj=4.9km s-min=3.2km az=-1.0.

ISC	**V**	**09 00 51 40.3–1.2**	**13.59N–.08**	**90.64W–.05**	**68–9**	**3.7b**	**39**	**1-147**
CASC	V	09 00 51 39.6–1.2	13.52N	90.65W	24–4	3.9L,3.8		¶13678585
ISCJB	V	09 00 51 39.1–.82	13.54N–.08	90.67W–.05	79–6	3.6b,3.8		
IDC	V	09 00 51 52.3–7.0	14.28N	90.16W	148–46	3.5,3.3		

ISC Event type ke.
CASC Error ellipse: s-maj=3.9km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=6.0km az=29.6.
IDC Error ellipse: s-maj=59.8km s-min=32.5km az=179.0.

IDC	**V**	**09 17 20 30.4–3.9**	**14.00N**	**90.87W**	**0**	**4.1L,3.8**		
								¶16155553

IDC Error ellipse: s-maj=85.6km s-min=52.5km az=10.0.

CASC	**V**	**12 07 03 03.2–2.4**	**13.11N**	**90.38W**	**17–8**	**3.8,3.8L**		
								¶14772067

CASC Error ellipse: s-maj=7.0km s-min=6.5km az=-1.0.

CASC	**V**	**13 03 06 48.1–2.4**	**13.57N**	**90.76W**	**35–7**	**3.5L,3.4**		
								¶14772073

CASC Error ellipse: s-maj=7.6km s-min=4.4km az=-1.0.

CASC	**V**	**15 11 46 24.1–2.4**	**13.60N**	**91.61W**	**10–26**	**3.5**		
								¶14772076

CASC Error ellipse: s-maj=16.3km s-min=24.2km az=-1.0.

CASC	**V**	**21 14 22 58.8–1.7**	**13.45N**	**90.80W**	**20–5**	**3.5**		
								¶14772090

CASC Error ellipse: s-maj=5.2km s-min=3.6km az=-1.0.

ISC	**V**	**22 00 24 20.5–.27**	**13.87N–.03**	**90.91W–.03**	**67–1**	**5.1b**	**840**	**1-154**
SZGRF	V	22 00 24 18.1	14.20N	90.16W	33	4.9b		¶12853083
ISCJB	V	22 00 24 19.0–.18	13.82N–.03	90.79W–.02	68	5.0b		
MOS	V	22 00 24 19.2–1.1	14.00N	90.60W	64	5.2b,4.6s		
IDC	V	22 00 24 20.7–.43	14.04N	90.56W	64–3	4.6,4.6		
CASC	V	22 00 24 20.8–1.8	13.66N	91.03W	27–8	5.3L,5.2b		
GCMT	V	22 00 24 21.6–.10	13.82N	91.15W	60–1	5.4W,5.2b		
NEIC	V	22 00 24 21.1–.20	13.88N	90.74W	69	5.5W,5.4		
BJI	V	22 00 24 21.0	13.90N	90.70W	72	5.4s,5.1b		
MEX	V	22 00 24 21.7–.27	13.52N	91.32W	17–18	5.1,5.1b		

ISC Event type fe.
SZGRF Guatemala.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.5km az=34.0.
MOS Error ellipse: s-maj=8.3km s-min=4.6km az=111.4.
IDC Error ellipse: s-maj=15.8km s-min=9.4km az=61.0.
CASC Error ellipse: s-maj=5.9km s-min=6.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 94, comp=180, per= 50. Moment Tensor Solution. s91,c162; s17,c17; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.69±.02 $M_{\theta\theta}$0.80±.02; $M_{\phi\phi}$-0.10±.02; $M_{r\theta}$0.50±.02; $M_{\theta\phi}$-0.62±.02; $M_{\phi r}$-1.04±.02; Best double couple: NP1:ϕ_s85.00000°,δ31.00000°,λ-148.00000°. NP2:ϕ_s327.00000°,δ74.00000°,λ-63.00000°. Principal axes: T 1.5400,Plg25.0000°,Azm36.0000°; N -0.0600,Plg26.0000°,Azm139.0000° ; P -1.4800,Plg53.0000°,Azm269.0000° $M_0$1.50000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.3km az=34.0. Felt [IV] at Antigua Guatemala and Panajachel; [III] at Guatemala and Mixco. Also felt at Amatitlan, Ciudad Vieja, Escuintla, Palin, Petapa, Quetzaltenango, Salama, San Bartolome Milpas Altas, San Jose Pinula, Santa Catarina Pinula, Tactic, Taxisco, Tecpan Guatemala and Villa Nueva. Felt [III] at San Salvador, El Salvador. Also felt at Opico. Felt at Tapachula, Mexico. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s195.00000°,δ19.00000°,λ-44.00000°. NP2: ϕ_s328.00000°,δ77.00000°,λ-104.00000°. Principal axes: T 1.3100,Plg30.0000°,Azm68.0000° ; N -0.1000,Plg13.0000°,Azm330.0000°; P -1.2200,Plg56.0000°,Azm219.0000° $M_0$1.30000×10^{17}
MEX Error ellipse: s-maj=5.5km s-min=6.2km az=-1.0.

CASC	**V**	**24 04 39 18.4–2.2**	**13.36N**	**90.50W**	**19–8**	**3.6,3.5L**		
								¶14772102

CASC Error ellipse: s-maj=7.0km s-min=4.8km az=-1.0.

CASC	**V**	**24 06 14 30.3–1.9**	**13.59N**	**91.01W**	**25–6**	**3.9L,3.7**		
								¶14772103

CASC Error ellipse: s-maj=5.4km s-min=5.0km az=-1.0.

CASC	**V**	**24 09 56 31.1–2.1**	**13.87N**	**91.66W**	**24–16**	**3.5**		
								¶14772104

CASC Error ellipse: s-maj=12.5km s-min=11.6km az=-1.0.

CASC	**V**	**24 15 25 00.2–2.5**	**13.60N**	**90.59W**	**56–21**	**3.8L,3.7**		
								¶14772106

CASC Error ellipse: s-maj=10.2km s-min=5.4km az=-1.0.

ISC	**V**	**25 19 32 20.4–1.1**	**13.73N–.09**	**91.73W–.07**	**54–8**	**3.7b**	**39**	**1-146**

ISCJB V 25 19 32 18.6–1.3 13.6N–.10 91.76W–.07 66–10 3.6b ¶13679637
CASC V 25 19 32 18.6–2.9 13.59N 91.67W 16–13 3.9L,3.7
IDC V 25 19 32 20.6–1.8 14.03N 91.11W 45–7 4.1L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.3km s-min=8.9km az=27.5.
CASC Error ellipse: s-maj=10.7km s-min=10.9km az=-1.0.
IDC Error ellipse: s-maj=47.3km s-min=29.5km az=21.0.
ISC V 29 16 38 32.1–2.6 13.3N–.10 91.4W–.10 44–21 3.8b 32 1-147
CASC V 29 16 38 26.3–3.0 12.99N 91.59W 21–45 3.9,3.5L ¶13679910
IDC V 29 16 38 27.2–3.3 13.91N 90.45W 0 4.1,4.0L
ISC Event type ke.
CASC Error ellipse: s-maj=23.1km s-min=22.8km az=-1.0.
IDC Error ellipse: s-maj=129.8km s-min=56.6km az=43.0.
IDC VI 01 07 50 23.0–7.6 13.13N 91.62W 0 4.3L,3.8
¶16066154
IDC Error ellipse: s-maj=127.4km s-min=43.6km az=147.0.
CASC VI 01 21 26 43.9–1.6 13.43N 91.15W 18–11 3.6
¶14931190
CASC Error ellipse: s-maj=10.5km s-min=9.4km az=-1.0.
CASC VI 03 21 45 11.7–3.0 13.65N 91.55W 36–999 3.8
¶14931235
CASC Error ellipse: s-maj=22.5km s-min=10.1km az=-1.0.
ISC VI 07 08 48 17.4–1.8 13.26N–.10 91.43W–.08 56–15 3.8b,3.4s 39 1-147
CASC VI 07 08 48 12.7–2.4 13.08N 91.39W 8–18 4.0,3.4s ¶13680772
ISCJB VI 07 08 48 14.0–1.3 13.21N–.08 91.53W–.07 38–11 3.8b,3.5s
IDC VI 07 08 48 20.6–4.2 13.61N 91.08W 71–38 3.8,3.6L
ISC Event type ke.
CASC Error ellipse: s-maj=10.5km s-min=12.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=9.0km az=31.3.
IDC Error ellipse: s-maj=32.8km s-min=14.9km az=54.0.
CASC VI 08 00 10 24.2–1.0 13.09N 90.02W 29–3 3.5
¶14931335
CASC Error ellipse: s-maj=4.9km s-min=2.7km az=-1.0.
ISC VI 08 18 33 57.4–2.8 13.02N–.09 91.09W–.09 16–16 24 1-46
IDC VI 08 18 33 56.7–14 13.34N 90.68W 0 4.0,3.9b ¶13680918
CASC VI 08 18 34 01.7–1.4 13.25N 91.24W 18–8 3.7,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=275.9km s-min=55.0km az=0.0.
CASC Error ellipse: s-maj=6.1km s-min=5.9km az=-1.0.
ISC VI 17 07 24 35.9–1.3 13.3N–.10 91.64W–.07 28 3.6b 19 1-64
IDC VI 17 07 24 35.2–10.0 13.08N 91.33W 48–63 3.9L,3.7 ¶13681523
CASC VI 17 07 24 38.6–1.4 13.46N 91.58W 9–18 3.9,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=90.6km s-min=38.8km az=166.0.
CASC Error ellipse: s-maj=11.6km s-min=16.6km az=-1.0.
CASC VI 19 15 18 00.5–1.9 13.74N 91.32W 22–16 3.6
¶14931556
CASC Error ellipse: s-maj=8.2km s-min=11.7km az=-1.0.
CASC VI 20 00 27 16.6–1.4 13.66N 90.70W 64–14 3.6
¶14931564
CASC Error ellipse: s-maj=8.7km s-min=4.2km az=-1.0.
ISC VI 20 08 12 35.1–1.3 13.88N–.08 91.28W–.07 68–10 3.8b 31 1-146
ISCJB VI 20 08 12 33.6–1.0 13.78N–.09 91.33W–.07 73–9 3.6b ¶13681706
CASC VI 20 08 12 34.7–1.1 13.74N 91.19W 18–5 3.8,3.8L
IDC VI 20 08 12 43.0–6.9 14.29N 90.87W 130–47 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=8.6km az=31.4.
CASC Error ellipse: s-maj=4.7km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=54.2km s-min=30.4km az=174.0.
CASC VI 24 23 57 47.5–2.7 13.49N 90.79W 20–9 3.9L,3.8
¶14931673
CASC Error ellipse: s-maj=10.3km s-min=5.7km az=-1.0.
CASC VI 27 17 35 29.5–2.5 13.83N 91.51W 26–19 3.5
¶14931714
CASC Error ellipse: s-maj=19.6km s-min=12.6km az=-1.0.
CASC VI 29 04 06 51.3–1.7 13.64N 90.45W 36–112 3.5,2.9L
¶14931736
CASC Error ellipse: s-maj=9.3km s-min=5.1km az=-1.0.

(730) Northern East Pacific Rise.

IDC I 19 05 09 32.1–2.2 8.14N 103.99W 0 4.0,3.9
¶12081713
IDC Error ellipse: s-maj=98.5km s-min=17.1km az=55.0.
ISC II 23 03 01 44.0–.69 7.0N–.10 104.5W–.10 10 4.6b,3.5s 398 14-146
ISCJB II 23 03 01 42.1–.62 6.93N–.07 104.40W–.07 10 4.5b,3.6s ¶11713575
IDC II 23 03 01 42.9–.95 7.18N 104.41W 0 4.4,4.3
BJI II 23 03 01 44.0 7.10N 104.30W 10 5.5b,5.3s
NEIC II 23 03 01 44.6–.51 7.08N 104.37W 10 4.6b,5.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.4km az=41.8.
IDC Error ellipse: s-maj=36.0km s-min=15.7km az=57.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=6.2km az=52.0.
IDC II 24 05 21 22.6–2.7 8.25N 104.69W 0 3.8,3.7
¶15957132
IDC Error ellipse: s-maj=110.7km s-min=27.8km az=59.0.
IDC II 24 05 27 54.2–28 8.27N 104.95W 0 3.9,3.6
¶15957133
IDC Error ellipse: s-maj=797.6km s-min=98.2km az=121.0.
IDC II 24 05 41 10.8–2.5 7.88N 104.51W 0 4.1,3.9
¶15957135
IDC Error ellipse: s-maj=102.4km s-min=24.9km az=57.0.
IDC II 24 05 55 34.1–2.2 8.34N 104.75W 0 4.0,3.8
¶15957137
IDC Error ellipse: s-maj=110.3km s-min=27.9km az=63.0.
IDC II 24 06 02 56.9–3.1 7.92N 104.33W 0 3.9,3.7
¶15957138
IDC Error ellipse: s-maj=128.0km s-min=26.7km az=59.0.
IDC II 24 06 42 08.7–2.1 7.92N 104.40W 0 4.1,4.0
¶15957140
IDC Error ellipse: s-maj=84.4km s-min=25.2km az=59.0.
ISC II 24 06 46 07.7–.78 8.1N–.10 104.0W–.10 10 4.4b 294 13-133
ISCJB II 24 06 46 06.6–.61 8.11N–.07 103.88W–.08 10 4.5s,4.3b ¶11728569
IDC II 24 06 46 07.3–1.2 8.34N 103.61W 0 4.7,4.6s
NEIC II 24 06 46 08.8–.82 8.19N 103.77W 10 4.4b,4.6s
BJI II 24 06 46 09.0 8.20N 103.80W 10 5.0s,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=7.1km az=138.0.
IDC Error ellipse: s-maj=48.1km s-min=16.2km az=58.0.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=9.3km az=54.0.
IDC II 24 06 54 15.1–33 8.43N 104.91W 0 3.8,3.5
¶15957142
IDC Error ellipse: s-maj=949.2km s-min=105.8km az=120.0.
ISC II 24 07 05 35.7–.60 8.2N–.10 103.9W–.10 10 4.8b,4.6s 510 13-145
ISCJB II 24 07 05 33.6–.49 8.03N–.06 103.87W–.06 10 4.8b,4.6s ¶11728570
IDC II 24 07 05 35.2–.84 8.34N 103.69W 0 4.5,4.5
NEIC II 24 07 05 36.5–.43 8.18N 103.78W 10 4.8b,4.5
BJI II 24 07 05 36.1 8.10N 103.80W 10 5.4b,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.4km az=42.0.
IDC Error ellipse: s-maj=33.5km s-min=14.0km az=60.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.8km az=51.0.
ISC II 24 07 45 47.1–1.1 8.4N–.10 103.4W–.20 10 4.2b 32 12-145
IDC II 24 07 45 45.3–1.3 8.44N 103.55W 0 4.2,4.1 ¶12701719
ISCJB II 24 07 45 46.6–1.1 8.5N–.10 103.3W–.20 10 4.2b,3.9s
NEIC II 24 07 45 47.2–1.0 8.35N 103.48W 10 4.4b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=17.4km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=28.4km s-min=12.3km az=151.1.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=14.2km az=64.0.
IDC II 24 08 11 40.0–2.4 8.07N 104.60W 0 4.0,3.8
¶15957150
IDC Error ellipse: s-maj=100.7km s-min=25.1km az=59.0.
IDC II 24 08 25 48.1–7.8 7.49N 103.17W 0 3.9,3.6
¶15957151
IDC Error ellipse: s-maj=147.1km s-min=65.1km az=152.0.
ISC II 25 02 56 36.6–.98 9.9N–.10 104.1W–.20 35 4.1b,3.6s 130 11-123
IDC II 25 02 56 30.9–1.2 9.79N 104.24W 0 4.1,4.0 ¶12701796
NEIC II 25 02 56 32.6–.65 9.85N 104.16W 10 4.3b,4.0
ISCJB II 25 02 56 35.3–.77 10.02N–.09 103.9W–.10 33 4.1b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 01 11 29 30.5–2.5 7.34N 102.92W 0 4.0,3.7
¶12702184
IDC Error ellipse: s-maj=132.2km s-min=30.0km az=61.0.
IDC III 07 10 05 40.6–2.1 8.21N 103.96W 0 4.0,3.8s
¶12702632
IDC Error ellipse: s-maj=64.5km s-min=27.0km az=59.0.
IDC III 10 20 32 27.4–1.7 10.09N 104.27W 0 4.1,4.0
¶12085973
IDC Error ellipse: s-maj=54.3km s-min=21.0km az=57.0.
IDC IV 08 02 21 35.3–2.7 8.24N 103.90W 0 4.1,3.9
¶12759382
IDC Error ellipse: s-maj=105.2km s-min=26.7km az=60.0.
IDC IV 08 05 28 22.3–10 7.58N 102.90W 0 3.7s,3.7
¶16152535
IDC Error ellipse: s-maj=351.1km s-min=107.0km az=110.0.
IDC IV 09 02 15 57.0–2.0 8.40N 103.81W 0 3.9,3.7
¶16152570
IDC Error ellipse: s-maj=62.7km s-min=27.6km az=58.0.
IDC IV 10 02 48 10.4–30 8.04N 102.58W 0 3.8,3.5
¶16152610
IDC Error ellipse: s-maj=1039.0km s-min=108.1km az=110.0.
IDC IV 23 14 30 50.0–2.1 10.01N 104.34W 0 4.0,3.8
¶16153307
IDC Error ellipse: s-maj=59.3km s-min=29.5km az=57.0.
IDC V 09 06 55 29.7–2.2 9.97N 104.40W 0 4.0,3.9
¶16155538
IDC Error ellipse: s-maj=101.4km s-min=20.2km az=60.0.
IDC V 09 20 44 04.1–16 9.04N 104.71W 0 3.7,3.5
¶16155557
IDC Error ellipse: s-maj=480.9km s-min=111.8km az=121.0.
ISC VI 27 02 16 11.6–1.4 8.4N–.20 103.9W–.30 35 4.2b,3.7s 33 19-71
IDC VI 27 02 16 05.3–2.1 8.20N 104.31W 0 4.2,3.9 ¶13682107
NEIC VI 27 02 16 07.5–.86 8.31N 103.99W 10 4.3b,3.9
ISCJB VI 27 02 16 09.2–1.2 8.3N–.20 103.9W–.20 33 4.1b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 27 02 39 06.6–3.3 8.11N 104.45W 0 4.1,3.8
¶13568836
IDC Error ellipse: s-maj=128.0km s-min=28.8km az=61.0.
IDC VI 27 20 06 34.1–1.8 8.10N 104.47W 0 4.1,3.9L
¶16101796
IDC Error ellipse: s-maj=53.5km s-min=26.6km az=57.0.

SEISMIC REGION 6.
Central America.

(72) Honduras.

ISC I 05 14 53 05.8–.58 13.06N–.07 87.89W–.05 148–4 4.5b 264 0-139
BJI I 05 14 53 04.5 13.10N 87.80W 146 5.0b ¶11528544
ISCJB I 05 14 53 05.6–.28 13.15N–.06 87.82W–.04 146–2 4.3b
IDC I 05 14 53 06.6–.83 13.22N 87.77W 152–7 4.0,3.8
CASC I 05 14 53 06.6–1.9 12.93N 87.97W 130–13 4.6b,4.1L
NEIC I 05 14 53 06.2–.47 13.10N 87.87W 146 4.6b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=4.3km az=33.1.
IDC Error ellipse: s-maj=26.2km s-min=12.3km az=59.0.
CASC Error ellipse: s-maj=21.2km s-min=13.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.8km az=53.0.
CASC II 18 16 20 30.9–4.4 14.04N 88.88W 0–10 3.9,3.7L
¶14359258
CASC Error ellipse: s-maj=11.1km s-min=7.7km az=-1.0.
IDC II 20 06 41 48.4–2.6 13.03N 87.64W 0 3.7,3.5
¶15956807
IDC Error ellipse: s-maj=89.5km s-min=29.9km az=51.0.
IDC III 23 08 36 44.2–1.1 13.21N 87.47W 205–13 3.6,3.5
¶12635367
IDC Error ellipse: s-maj=26.7km s-min=11.4km az=54.0.
ISC III 28 22 36 14.8–.65 13.03N–.10 87.56W–.08 200 3.6b 40 0-139
ISCJB III 28 22 36 13.6–.42 13.07N–.08 87.54W–.05 200 3.6b ¶12635813
CASC III 28 22 36 13.0–1.2 12.35N 87.87W 173–25 4.0
IDC III 28 22 36 14.6–1.1 13.17N 87.44W 190–11 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.1km az=30.1.
CASC Error ellipse: s-maj=47.3km s-min=19.4km az=-1.0.
IDC Error ellipse: s-maj=23.7km s-min=9.5km az=55.0.
ISC V 24 00 23 23.0–.45 13.20N–.05 87.61W–.04 188–3 4.5b 218 0-150
CASC V 24 00 23 15.4–1.7 12.57N 87.59W 208–16 4.7b,4.3L ¶12861531
ISCJB V 24 00 23 21.3–.31 13.14N–.04 87.64W–.04 185–2 4.4b,4.3L
IDC V 24 00 23 23.2–.61 13.30N 87.41W 192–4 3.9,3.9
NEIC V 24 00 23 24.2–.34 13.26N 87.64W 188 4.7b,3.9
BJI V 24 00 23 24.5 13.30N 87.70W 189 4.9b,3.9
ISC Event type fe.
CASC Error ellipse: s-maj=24.4km s-min=10.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.1km az=32.8.
IDC Error ellipse: s-maj=14.8km s-min=8.1km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=4.7km az=224.0. Felt [III] at Tegucigalpa. Also felt at Rancho Grande and San Agustin. Felt at Puerto Morazan, Nicaragua.
IDC V 28 08 48 29.9–3.7 15.55N 86.75W 0 4.6L,4.2
¶16156254
IDC Error ellipse: s-maj=77.9km s-min=58.1km az=74.0.
IDC V 28 09 43 12.9–7.2 15.63N 87.76W 0 3.9,3.6
¶16156261
IDC Error ellipse: s-maj=117.2km s-min=72.2km az=146.0.
IDC V 28 12 32 32.5–2.3 15.65N 88.08W 0 4.1,4.1s
¶16156267
IDC Error ellipse: s-maj=57.4km s-min=30.8km az=93.0.
ISC V 28 18 46 13.8–3.3 15.99N–.06 88.26W–.09 17–19 23 2-145
CASC V 28 18 46 08.8–3.3 16.04N 87.89W 0–42 3.7 ¶13679841
IDC V 28 18 46 12.1–2.2 15.67N 87.43W 0 4.0L,3.5b
ISC Event type ke.
CASC Error ellipse: s-maj=77.5km s-min=63.9km az=-1.0.
IDC Error ellipse: s-maj=88.4km s-min=28.1km az=81.0.
CASC V 29 01 55 10.5–3.8 15.31N 88.78W 0–14 3.7
¶14762472
CASC Error ellipse: s-maj=21.9km s-min=19.2km az=-1.0.
CASC V 29 05 22 26.9–3.1 15.98N 88.11W 8–71 3.8,3.6L
¶14762473
CASC Error ellipse: s-maj=60.3km s-min=41.4km az=-1.0.
CASC V 29 08 35 14.8–3.2 14.93N 88.05W 0–17 3.9,3.4L
¶14762474
CASC Error ellipse: s-maj=22.3km s-min=28.2km az=-1.0.
CASC V 29 12 38 06.2–2.8 15.11N 88.86W 0–6 3.6,3.2L
¶14762475
CASC Error ellipse: s-maj=9.2km s-min=5.7km az=-1.0.
ISC V 29 12 51 03.6–1.6 15.45N–.04 86.42W–.05 16–10 4.5b,3.6s 149 2-146
IDC V 29 12 51 01.4–.64 15.39N 86.37W 0 5.0L,4.5 ¶12868650
SSS V 29 12 51 01.9 15.04N 85.81W 6 4.6L,4.5
CASC V 29 12 51 02.1–1.2 14.99N 85.86W 0–17 4.5b,4.2L
NEIC V 29 12 51 03.3–.27 15.38N 86.39W 10 4.5b,4.2L

BJI V 29 12 51 03.7 15.40N 86.40W 10 5.3b,5.1s
ISC Event type fe.
IDC Error ellipse: s-maj=26.9km s-min=12.8km az=61.0.
CASC Error ellipse: s-maj=12.7km s-min=34.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.6km az=63.0. Felt at San Pedro Sula and Savannah Bight. Also felt at Dangriga, Belize.
ISC V 29 15 18 02.3–.91 15.73N–.04 86.26W–.07 22–8 4.3b 92 2-146
ISCJB V 29 15 17 59.0–1.7 15.76N–.03 86.23W–.05 11–11 4.2b,3.0s **¶13679904**
IDC V 29 15 17 59.1–.63 15.74N 86.23W 0 5.0L,4.3
NEIC V 29 15 18 00.9–.39 15.57N 86.43W 18 4.4b,4.3
CASC V 29 15 18 05.1–7.3 10.77N 88.82W 0–82 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.4km az=18.3.
IDC Error ellipse: s-maj=28.8km s-min=12.7km az=61.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.6km az=65.0.
CASC Error ellipse: s-maj=169.2km s-min=63.0km az=-1.0.
IDC V 29 16 01 44.1–1.4 15.88N 86.00W 0 4.4L,4.2
¶16156318
IDC Error ellipse: s-maj=88.9km s-min=20.8km az=54.0.
ISC V 31 02 10 16.8–.52 15.44N–.04 86.24W–.06 10 4.0b,2.8s 53 2-146
ISCJB V 31 02 10 15.7–.44 15.50N–.04 86.13W–.05 10 3.9b,2.8s **¶13680008**
IDC V 31 02 10 16.0–.84 15.44N 86.08W 0 4.2,3.9
NEIC V 31 02 10 17.1–.45 15.43N 86.30W 10 4.1b,3.9
CASC V 31 02 10 19.5–1.5 15.38N 86.07W 35–999 4.1b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.1km az=22.5.
IDC Error ellipse: s-maj=36.0km s-min=18.4km az=56.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.3km az=68.0.
CASC Error ellipse: s-maj=38.0km s-min=16.6km az=-1.0.
ISC VI 02 06 43 40.7–.28 15.45N–.03 86.47W–.04 10 4.9b,4.2s 351 2-149
IDC VI 02 06 43 39.0–.59 15.39N 86.52W 0 5.5L,4.8 **¶12872824**
ISCJB VI 02 06 43 39.5–.18 15.46N–.02 86.39W–.02 10 4.8b,4.3s
MOS VI 02 06 43 39.4–1.0 15.45N 86.40W 10 5.1b,4.3s
BJI VI 02 06 43 41.2 15.50N 86.40W 10 5.4b,5.1s
NEIC VI 02 06 43 41.0–.19 15.42N 86.41W 10 5.0b,5.1s
CASC VI 02 06 43 43.3–2.2 15.49N 86.90W 0–17 5.0b,4.6L
GCMT VI 02 06 43 45.1–.20 15.69N 86.42W 17–0 5.1W,4.6L
ISC Event type fe.
IDC Error ellipse: s-maj=23.7km s-min=10.9km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=3.3km az=140.7.
MOS Error ellipse: s-maj=10.7km s-min=5.1km az=103.7.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=221.0. Felt [IV] at Utila; [III] at Roatan and Valle de Angeles; [II] at La Ceiba, San Pedro Sula, Sandy Bay and Tegucigalpa. Also felt at Cerro Grande, El Progreso, Jutiapa, La Masica, Mateo, Olanchito, Piedras Amarillas, Puerto Cortes, Sambo Creek, Santa Lucia, Santa Rosa de Copan, Siguatepeque and Yuscaran. Felt [III] at Belize City, Belize. Also felt at Dangriga. Felt at San Luis, Guatemala and at Ocotal, Nicaragua.
CASC Error ellipse: s-maj=22.6km s-min=10.8km az=-1.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s28,c32; s80,c122; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.21±.34 $M_{\theta\theta}$2.03±.19; $M_{\phi\phi}$4.19±.25; $M_{r\theta}$2.58±.62; $M_{\theta\phi}$2.19±.13; $M_{\phi r}$0.48±.59; Best double couple: NP1:ϕ_s20.00000°,δ38.00000°,λ-112.00000°. NP2:ϕ_s227.00000°,δ55.00000°,λ-74.00000°. Principal axes: T 5.8300,Plg9.0000° ,Azm305.0000°; N 1.1300,Plg13.0000°,Azm37.0000°; P -6.9500,Plg74.0000°,Azm183.0000° M_o6.40000×10^{16}
IDC VI 02 13 24 40.2–1.9 15.71N 87.35W 0 4.1,4.1L
¶16066223
IDC Error ellipse: s-maj=60.2km s-min=28.6km az=42.0.
CASC VI 04 16 01 03.9–3.1 15.64N 88.17W 0–26 3.8
¶14931251
CASC Error ellipse: s-maj=51.6km s-min=28.0km az=-1.0.
ISC VI 05 00 41 15.1–.32 15.56N–.04 86.42W–.05 35 4.7b,3.7s 268 2-146
IDC VI 05 00 41 09.6–.54 15.50N 86.32W 0 4.6,4.5 **¶12925405**
ISCJB VI 05 00 41 13.3–.18 15.49N–.02 86.34W–.03 33 4.6b,3.8s
NEIC VI 05 00 41 15.0–.17 15.46N 86.37W 35 4.7b,3.8s
CASC VI 05 00 41 17.3–2.5 15.29N 86.77W 0–17 4.7b,4.3L
ISC Event type fe.
IDC Error ellipse: s-maj=22.1km s-min=11.3km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.4km az=160.9.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.7km az=48.0. Felt at Danli, El Porvenir, Germania, La Ceiba, Puerto Cortes, Rio Esteban, Sambo Creek and Tegucigalpa.
CASC Error ellipse: s-maj=30.1km s-min=17.7km az=-1.0.
IDC VI 05 00 52 11.7–.95 15.54N 86.39W 0 4.6L,4.1
¶16100966
IDC Error ellipse: s-maj=40.8km s-min=17.7km az=58.0.
IDC VI 05 00 53 30.9–1.6 15.91N 85.90W 0 3.9,3.6
¶16100967
IDC Error ellipse: s-maj=120.5km s-min=27.4km az=54.0.
IDC VI 05 00 55 07.9–4.8 15.72N 86.40W 0 3.8,3.6L
¶16100968
IDC Error ellipse: s-maj=114.5km s-min=67.9km az=67.0.
ISC VI 05 01 12 18.6–.41 15.52N–.05 86.38W–.07 35 4.1b,3.5s 85 2-149
IDC VI 05 01 12 13.7–.63 15.49N 86.26W 0 5.0L,4.2 **¶12925406**
ISCJB VI 05 01 12 17.0–.30 15.45N–.03 86.37W–.05 33 4.1b,3.7s
NEIC VI 05 01 12 18.1–2.3 15.42N 86.43W 29–17 4.2b,3.7s
CASC VI 05 01 12 51.0–1.6 15.75N 89.54W 0–15 4.2b,3.0
ISC Event type fe.
IDC Error ellipse: s-maj=26.4km s-min=13.3km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=5.0km az=172.3.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=5.6km az=64.0. Felt at La Ceiba and Olanchito.
CASC Error ellipse: s-maj=23.3km s-min=20.1km az=-1.0.
IDC VI 05 02 51 59.6–3.5 15.95N 85.80W 0 4.3L,4.0
¶16100972
IDC Error ellipse: s-maj=108.0km s-min=52.2km az=36.0.
IDC VI 05 04 18 40.7–1.3 15.54N 86.24W 0 4.6L,4.1
¶16100973
IDC Error ellipse: s-maj=67.5km s-min=22.3km az=59.0.
IDC VI 05 05 26 57.1–1.2 15.85N 85.73W 0 4.9L,4.3
¶16100974
IDC Error ellipse: s-maj=87.1km s-min=22.3km az=53.0.
IDC VI 05 06 01 52.5–3.5 15.77N 85.77W 0 4.6L,4.1
¶16100975
IDC Error ellipse: s-maj=89.2km s-min=59.8km az=50.0.
ISC VI 05 08 08 51.2–.67 13.18N–.06 87.55W–.07 201–6 4.2b 59 1-139
ISCJB VI 05 08 08 50.3–.31 13.18N–.05 87.61W–.05 202–4 4.0b **¶12939075**
NEIC VI 05 08 08 50.5–1.1 13.11N 87.83W 194–8 4.3b
CASC VI 05 08 08 51.7–3.9 13.20N 87.51W 4–18 4.1
IDC VI 05 08 08 52.0–2.9 13.19N 87.55W 212–29 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.0km az=139.1.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=9.1km az=63.0.
CASC Error ellipse: s-maj=38.2km s-min=30.9km az=-1.0.
IDC Error ellipse: s-maj=30.5km s-min=10.5km az=62.0.
ISC VI 08 05 13 15.9–.52 15.85N–.03 86.97W–.03 17–2 5.5b,4.9s 990 2-158
CASC VI 08 05 12 54.9–6.0 17.71N 87.02W 0–144 5.6L,5.5b **¶14785477**
IDC VI 08 05 13 13.6–.44 16.00N 86.77W 0 5.2,5.2
ISCJB VI 08 05 13 14.6–1.0 15.85N–.02 86.91W–.02 15–6 5.4b,4.9s
NEIC VI 08 05 13 14.7–.17 15.79N 86.87W 10 5.5b,5.4W
MOS VI 08 05 13 15.0–1.1 15.97N 86.84W 18 5.7b,4.9s
BJI VI 08 05 13 15.6 15.90N 86.90W 10 5.7b,5.5s
BGS VI 08 05 13 16.5–2.3 16.48N 86.82W 10 5.2b,4.9s
GCMT VI 08 05 13 19.2–.10 15.99N 86.99W 12 5.4W,4.9s
SZGRF VI 08 05 13 24.0 16.58N 85.46W 22 5.4b,4.8s
ISC Event type fe.
CASC Error ellipse: s-maj=297.5km s-min=54.7km az=-1.0.
IDC Error ellipse: s-maj=18.9km s-min=9.8km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=18.8.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=204.0. Felt [V] at La Ceiba; [IV] at Arizona, El Chimbo, El Progreso, La Lima, Mateo, Puerto Cortes, San Pedro Sula, Tela and Utila; [III] at Agalteca, Cerro Grande, Germania, Las Tapias, Roatan, Sandy Bay, Santa Lucia, Santa Rosa de Copan, Siguatepeque and Tegucigalpa; [II] at Comayagua, Guaimaca and Valle de Angeles. Felt [II] at Belize City and Dangriga, Belize and at Guatemala, Guatemala. Felt in most of Honduras, in central Belize and eastern Guatemala and in the San Salvador area, El Salvador.
MOS Error ellipse: s-maj=6.0km s-min=4.0km az=86.5.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=203, per= 50. Moment Tensor Solution. s93,c160; s27,c29; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.48±.02 $M_{\theta\theta}$1.17±.02; $M_{\phi\phi}$0.32±.02; $M_{r\theta}$0.09±.05; $M_{\theta\phi}$0.81±.02; $M_{\phi r}$-0.39±.05; Best double couple: NP1:ϕ_s254.00000°,δ45.00000°,λ-68.00000°. NP2:ϕ_s44.00000°,δ49.00000°,λ-110.00000°. Principal axes: T 1.6600,Plg2.0000°,Azm148.0000°; N -0.0700,Plg15.0000°,Azm58.0000° ; P -1.5900,Plg75.0000°,Azm247.0000° M_o1.60000×10^{17}
SZGRF North of Honduras.
IDC VI 08 12 52 42.0–4.6 15.99N 86.08W 0 4.0L,3.8
¶16101105
IDC Error ellipse: s-maj=114.9km s-min=65.3km az=56.0.
IDC VI 28 10 51 48.7–2.5 15.69N 86.06W 0 4.5L,4.2
¶16101821
IDC Error ellipse: s-maj=85.2km s-min=44.8km az=46.0.
ISC VI 28 13 23 28.6–1.1 15.5N–.10 86.1W–.10 35 3.9b,3.3s 31 2-146
IDC VI 28 13 23 23.9–2.4 15.76N 86.15W 0 4.4L,4.2 **¶13682197**
NEIC VI 28 13 23 27.4–.86 15.35N 86.37W 35 4.0b,4.2
CASC VI 28 13 23 30.3–3.1 15.43N 86.04W 35–999 4.3,4.0b
ISC Event type fe.
IDC Error ellipse: s-maj=70.8km s-min=30.0km az=27.0.
NEIC Event type fe. Error ellipse: s-maj=21.3km s-min=12.1km az=97.0. Felt at La Ceiba.
CASC Error ellipse: s-maj=371.1km s-min=75.7km az=-1.0.
ISC VI 30 16 22 33.3–.32 15.57N–.04 86.48W–.05 35 4.9b,4.2s 308 2-149
MOS VI 30 16 22 27.9–.68 15.46N 86.29W 10 5.1b,4.0s **¶13383611**
IDC VI 30 16 22 28.1–.57 15.51N 86.25W 0 5.5L,4.7
CASC VI 30 16 22 29.8–2.7 15.71N 86.39W 36–113 5.0b,4.6L
ISCJB VI 30 16 22 31.5–.17 15.51N–.02 86.36W–.03 33 4.8b,4.2s
NEIC VI 30 16 22 33.1–.23 15.44N 86.40W 35 5.0b,4.2s
BJI VI 30 16 22 33.8 15.50N 86.40W 35 5.3b,5.0s
GCMT VI 30 16 22 33.1–.20 15.72N 86.32W 12 5.0W,5.0s
ISC Event type fe.
MOS Error ellipse: s-maj=9.9km s-min=5.9km az=102.7.
IDC Error ellipse: s-maj=21.4km s-min=12.5km az=61.0.
CASC Error ellipse: s-maj=58.4km s-min=24.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.9km az=12.9.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.9km az=31.0. Felt [III] at La Ceiba, Roatan and Sandy Bay; [II] at San Pedro Sula and Tegucigalpa. Also felt at Arizona, French Harbor, Lomitas and Utila. Felt at Belize City, Belize.
GCMT Event type se. Data Used: CN IC IU II G. Moment Tensor Solution. s40,c51; s73,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.48±.11 $M_{\theta\theta}$1.11±.09; $M_{\phi\phi}$2.37±.12; $M_{r\theta}$0.88±.32; $M_{\theta\phi}$2.05±.10; $M_{\phi r}$0.11±.34; Best double couple: NP1:ϕ_s25.00000°,δ41.00000°,λ-107.00000°. NP2:ϕ_s227.00000°,δ51.00000°,λ-76.00000°. Principal axes: T 3.9400,Plg5.0000° ,Azm307.0000°; N -0.2800,Plg11.0000°,Azm38.0000°; P -3.6600,Plg78.0000° ,Azm194.0000° M_o3.80000×10^{16}
IDC VI 30 17 09 14.3–2.6 15.50N 86.18W 0 4.8L,4.4
¶16101905
IDC Error ellipse: s-maj=67.7km s-min=47.9km az=67.0.

(73) El Salvador.

ISC I 01 23 03 31.3–1.4 13.2N–.10 89.33W–.05 69–8 3.5b 46 0-147
IDC I 01 23 03 18.2–2.0 12.75N 88.77W 0 3.8,3.6 **¶12079782**
NEIC I 01 23 03 30.0 13.05N 89.41W 26 3.8,3.6
CASC I 01 23 03 31.4–1.6 13.10N 89.38W 33–3 3.9L,3.7
ISCJB I 01 23 03 31.1–1.2 13.2N–.10 89.37W–.05 72–7 3.6b,3.7
ISC Event type ke.
NEIC Event type fe. Felt [II] at San Salvador. After SNET.
ISCJB Event type fe.
CASC I 05 04 01 10.9–2.5 13.89N 89.11W 235–13 3.6
¶15649834
CASC Error ellipse: s-maj=27.2km s-min=17.3km az=-1.0.
CASC I 08 12 42 17.4–2.3 13.13N 88.04W 79–12 3.6
¶15649849
CASC Error ellipse: s-maj=15.0km s-min=9.6km az=-1.0.
CASC I 08 22 11 03.1–1.3 13.17N 89.20W 52–15 3.6,3.5L
¶15649855
CASC Error ellipse: s-maj=11.5km s-min=4.7km az=-1.0.
CASC I 12 01 38 49.2–1.0 13.26N 89.69W 33–2 3.5,3.4L
¶15649870
CASC Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
CASC I 13 14 09 12.8–1.4 13.55N 89.79W 68–5 4.3L,3.9
NEIC I 13 14 09 11.6 13.56N 89.82W 74 4.2,3.9 **¶13989105**
CASC Error ellipse: s-maj=6.1km s-min=4.2km az=-1.0.
NEIC Event type fe. Felt [II] at San Salvador. After SNET.
CASC I 17 20 40 05.0–1.2 13.08N 89.16W 35–11 3.5
¶15649885
CASC Error ellipse: s-maj=7.5km s-min=2.8km az=-1.0.
ISC I 24 16 15 43.7–.49 13.17N–.04 89.32W–.04 71–4 4.6b 626 0-148
BJI I 24 16 15 42.9 13.10N 89.40W 70 5.2b,5.0s **¶11657446**
NEIC I 24 16 15 43.2–.39 13.13N 89.35W 63 5.2,4.7b
ISCJB I 24 16 15 43.4–.41 13.13N–.04 89.31W–.03 79–2 4.5b,4.7b
IDC I 24 16 15 44.4–.55 13.54N 88.80W 66–5 4.2,4.2
CASC I 24 16 15 44.6–1.3 13.09N 89.37W 46–12 5.0L,4.7b
MEX I 24 16 15 47.9–.69 12.48N 90.17W 20–999 4.6,4.7b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=5.1km az=218.0. Felt [IV] at San Salvador and [III] at Antiguo Cuscatlan. Also felt at Colon, Nueva San Salvador and Opico. Felt [III] at Guatemala, Guatemala.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=3.7km az=24.5.
IDC Error ellipse: s-maj=22.6km s-min=9.2km az=54.0.
CASC Error ellipse: s-maj=6.2km s-min=2.7km az=-1.0.
MEX Error ellipse: s-maj=415.6km s-min=293.8km az=-1.0.
CASC I 25 21 31 34.8–1.3 13.04N 90.00W 21–4 3.6
¶15649898
CASC Error ellipse: s-maj=4.3km s-min=2.7km az=-1.0.
ISC I 28 17 24 41.1–.50 13.34N–.05 89.76W–.04 56–3 4.7b,4.5s 938 0-151
IDC I 28 17 24 37.9–1.8 13.70N 89.31W 26–11 5.1L,4.3 **¶13434060**
ISCJB I 28 17 24 41.9–.33 13.40N–.04 89.71W–.03 75–2 4.6b,4.3
NEIC I 28 17 24 41.6–.27 13.34N 89.71W 60 5.1,4.7b
MEX I 28 17 24 41.8–.95 12.73N 90.39W 30 5.2,4.7b
CASC I 28 17 24 41.7–1.6 13.26N 89.85W 34–3 4.8L,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=21.5km s-min=10.1km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.2km az=28.3.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.4km az=219.0. Felt [IV] at San Salvador. Also felt at Antiguo Cuscatlan. Felt [II] at Guatemala, Guatemala. Also felt in Jutiapa, Retalhuleu and Santa Rosa and at Acatenango, Antigua Guatemala, Escuintla, Jocotenango, Palin and San Bartolome Milpas Altas.
MEX Error ellipse: s-maj=21.1km s-min=25.0km az=-1.0.
CASC Error ellipse: s-maj=3.7km s-min=3.6km az=-1.0.
IDC II 03 13 34 22.8–11 13.41N 88.66W 0 3.9,3.7
¶15954958
IDC Error ellipse: s-maj=217.0km s-min=51.8km az=176.0.
IDC II 05 07 59 14.5–1.4 13.41N 88.60W 143–37 3.5,3.3
¶15955058
IDC Error ellipse: s-maj=99.1km s-min=13.1km az=35.0.
ISC II 07 09 40 05.9–.47 13.11N–.05 89.24W–.04 60–3 4.4b,4.2s 231 0-148
BJI II 07 09 40 00.6 12.20N 89.20W 60 5.2s,5.1b **¶11667396**
ISCJB II 07 09 40 05.8–.43 13.09N–.05 89.22W–.04 69–2 4.3b,5.1b
IDC II 07 09 40 05.3–.71 13.24N 88.92W 55–5 3.9,3.8
NEIC II 07 09 40 05.9–.44 13.03N 89.24W 59 4.8,4.5b
CASC II 07 09 40 06.8–2.2 13.06N 89.24W 33–5 4.8L,4.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=3.9km az=37.5.

IDC Error ellipse: s-maj=24.8km s-min=12.3km az=53.0.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=6.9km az=52.0. Felt [IV] at San Salvador. Also felt at Santa Ana.
CASC Error ellipse: s-maj=5.7km s-min=4.3km az=-1.0.
ISC II 08 14 13 22.1–1.0 13.11N–.07 89.83W–.04 29 3.6b 30 1-147
IDC II 08 14 13 20.6–1.9 13.99N 89.21W 0 3.8,3.7 **¶12699785**
ISCJB II 08 14 13 22.4–.77 13.11N–.06 89.86W–.04 29 3.7s,3.6b
CASC II 08 14 13 23.5–.95 13.17N 89.81W 25–5 3.8,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=58.6km s-min=27.1km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.0km az=3.7.
CASC Error ellipse: s-maj=4.6km s-min=2.8km az=-1.0.
CASC II 09 18 36 01.3–2.4 13.13N 89.59W 17–8 3.7,3.5L
¶14358958

CASC Error ellipse: s-maj=6.3km s-min=3.9km az=-1.0.
CASC II 10 02 26 12.6–1.4 13.34N 89.88W 39–27 3.5,3.2L
¶14358991

CASC Error ellipse: s-maj=7.5km s-min=4.0km az=-1.0.
ISC II 13 01 42 14.0–.96 13.03N–.08 88.73W–.05 61–7 4.0b 97 1-147
ISCJB II 13 01 42 13.5–.56 12.99N–.08 88.72W–.05 71–3 3.9b **¶12700428**
NEIC II 13 01 42 14.9 13.03N 88.83W 50 4.4,4.1b
IDC II 13 01 42 14.8–1.7 13.13N 88.57W 67–15 3.8,3.7
CASC II 13 01 42 15.4–2.5 13.00N 88.81W 44–31 4.4L,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.7km s-min=4.4km az=30.8.
NEIC Event type fe. Felt [III] at Zacatecoluca. After SNET.
IDC Error ellipse: s-maj=26.3km s-min=9.7km az=47.0.
CASC Error ellipse: s-maj=15.7km s-min=6.9km az=-1.0.
CASC II 16 01 43 19.8–1.3 13.26N 89.74W 40–24 3.5,2.9L
¶14359166

CASC Error ellipse: s-maj=6.4km s-min=3.5km az=-1.0.
CASC II 16 21 02 30.5–2.0 13.37N 89.60W 61–9 3.6
¶14359168

CASC Error ellipse: s-maj=8.6km s-min=4.5km az=-1.0.
ISC II 21 10 33 35.5–.39 13.52N–.05 88.47W–.04 191–2 4.5b 683 0-151
ISCJB II 21 10 33 34.1–.25 13.48N–.04 88.39W–.03 193–1 4.4b **¶11713354**
NEIC II 21 10 33 35.8–.31 13.50N 88.43W 199 4.7b
CASC II 21 10 33 35.8–1.5 13.41N 88.50W 178–5 4.7b,4.3L
IDC II 21 10 33 35.8–.65 13.65N 88.35W 192–5 4.3,4.2
MOS II 21 10 33 36.1–1.0 13.63N 88.34W 209 4.7b,4.2
BJI II 21 10 33 36.3 13.50N 88.30W 202 5.2b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.5km az=30.7.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.8km az=31.0.
CASC Error ellipse: s-maj=9.9km s-min=6.4km az=-1.0.
IDC Error ellipse: s-maj=16.9km s-min=9.2km az=57.0.
MOS Error ellipse: s-maj=12.0km s-min=7.0km az=86.7.
CASC III 05 19 14 37.3–3.7 13.72N 89.72W 109–20 3.5
¶14607992

CASC Error ellipse: s-maj=21.6km s-min=14.3km az=-1.0.
ISC III 06 13 34 50.6–.87 13.5N–.10 88.42W–.08 183–6 3.4b 35 0-139
CASC III 06 13 34 48.9–1.7 13.26N 88.47W 186–8 3.7 **¶12702566**
ISCJB III 06 13 34 49.2–.62 13.4N–.10 88.38W–.07 191–4 3.4b
IDC III 06 13 34 51.6–1.9 13.68N 88.39W 179–27 3.4,3.3
ISC Event type ke.
CASC Error ellipse: s-maj=20.5km s-min=9.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=6.5km az=26.3.
IDC Error ellipse: s-maj=43.7km s-min=22.1km az=34.0.
ISC III 14 01 01 02.0–.60 13.78N–.06 89.95W–.04 127–4 4.4b 247 0-146
ISCJB III 14 01 01 01.6–.33 13.79N–.05 89.92W–.04 132–1 4.2b **¶11882874**
NEIC III 14 01 01 03.0–1.4 13.76N 89.92W 132–15 4.5b
CASC III 14 01 01 03.7–1.2 13.76N 89.92W 108–5 4.5b,4.4L
IDC III 14 01 01 03.8–.99 14.14N 89.65W 127–7 3.9,3.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=3.7km az=30.8.
NEIC Event type fe. Error ellipse: s-maj=21.4km s-min=8.0km az=69.0. Felt at Ahuachapan and Santa Ana. Also felt at Antigua Guatemala, Guatemala.
CASC Error ellipse: s-maj=5.1km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=24.9km s-min=14.9km az=59.0.
CASC III 14 22 45 53.7–2.2 13.02N 89.18W 20–8 3.8,3.5L
¶14608337

CASC Error ellipse: s-maj=7.7km s-min=4.4km az=-1.0.
CASC III 23 15 50 33.1–2.3 13.40N 89.25W 64–9 4.0L,3.7
¶14609731

CASC Error ellipse: s-maj=12.1km s-min=6.0km az=-1.0.
ISC III 30 23 33 08.0–.95 13.16N–.07 89.13W–.04 62–7 3.8b 61 0-148
ISCJB III 30 23 33 07.8–.63 13.17N–.07 89.12W–.04 75–4 3.8b **¶12611341**
CASC III 30 23 33 07.3–2.2 12.99N 89.20W 19–12 4.3L,4.0b
NEIC III 30 23 33 08.2 13.13N 89.17W 56 4.3,4.0b
IDC III 30 23 33 11.2–2.0 13.25N 88.97W 95–18 3.6,3.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=5.5km az=22.0.
CASC Error ellipse: s-maj=9.0km s-min=5.0km az=-1.0.
NEIC Event type fe. Felt [III] at San Salvador. After SNET.
IDC Error ellipse: s-maj=35.9km s-min=14.7km az=46.0.
CASC IV 04 16 41 40.1–1.3 13.18N 89.59W 33–3 3.5,3.4L
¶14682578

CASC Error ellipse: s-maj=4.6km s-min=2.8km az=-1.0.
CASC IV 11 07 39 52.8–1.7 13.34N 89.58W 51–12 4.2L,3.8
¶14682788

CASC Error ellipse: s-maj=8.8km s-min=4.1km az=-1.0.
ISC IV 13 00 33 19.9–.62 13.51N–.06 88.62W–.05 187–4 4.3b 408 0-147
ISCJB IV 13 00 33 19.8–.19 13.58N–.04 88.56W–.03 190–2 4.3b **¶12582169**
CASC IV 13 00 33 20.9–1.7 13.39N 88.64W 174–8 4.6b,3.8L
NEIC IV 13 00 33 20.6–.70 13.50N 88.50W 196–6 4.6b,3.8L
IDC IV 13 00 33 21.2–1.3 13.60N 88.38W 198–12 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.2km az=37.5.
CASC Error ellipse: s-maj=11.4km s-min=7.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.5km az=46.0.
IDC Error ellipse: s-maj=23.5km s-min=8.8km az=57.0.
ISC IV 24 15 44 05.3–1.7 13.06N–.08 89.54W–.04 12–11 29 1-53
CASC IV 24 15 44 05.2–2.5 13.06N 89.62W 1–7 3.9L,3.8 **¶14682927**
IDC IV 24 15 44 32.2–7.1 15.44N 90.65W 0 3.8,3.6
ISC Event type ke.
CASC Error ellipse: s-maj=10.4km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=153.1km s-min=32.9km az=8.0.
ISC IV 27 13 16 24.5–.77 13.23N–.07 89.23W–.05 72–5 3.9b 51 0-147
ISCJB IV 27 13 16 23.9–.48 13.26N–.06 89.24W–.04 75–4 3.8b **¶12936287**
IDC IV 27 13 16 24.8–1.1 13.19N 89.20W 83–8 3.9,3.7
CASC IV 27 13 16 24.8–2.5 13.21N 89.24W 56–13 4.4L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.8km az=30.7.
IDC Error ellipse: s-maj=30.6km s-min=14.3km az=46.0.
CASC Error ellipse: s-maj=10.8km s-min=5.7km az=-1.0.
CASC IV 30 10 06 19.4–.90 13.27N 89.95W 94–26 3.6,3.0L
¶14682982

CASC Error ellipse: s-maj=30.6km s-min=12.8km az=-1.0.
ISC V 04 05 17 51.6–.81 13.90N–.03 89.72W–.03 11–5 4.6b,4.1s 127 0-147
CASC V 04 05 17 50.4 13.90N 89.74W 1 4.7b,4.4 **¶12750560**
IDC V 04 05 17 50.4–.82 13.94N 89.61W 0 4.4,4.3L
ISCJB V 04 05 17 50.8–.43 13.90N–.04 89.74W–.03 11–3 4.5b,4.1s
NEIC V 04 05 17 57.2–1.2 13.93N 89.71W 49–11 4.7b,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=29.2km s-min=14.4km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.8km az=31.3.
NEIC Event type fe. Error ellipse: s-maj=13.0km s-min=5.7km az=56.0. Felt [V] at Atiquizaya and [II] at San Salvador. Also felt at Sonsonate. Felt at Guatemala and Jalapa, Guatemala.
CASC V 04 05 23 26.8–3.9 13.65N 89.78W 0–20 4.0,4.0L
¶14772012

CASC Error ellipse: s-maj=24.4km s-min=16.5km az=-1.0.

CASC V 04 05 31 15.8–2.2 13.88N 89.73W 0–4 4.0L,3.7
¶14772013

CASC Error ellipse: s-maj=4.4km s-min=2.5km az=-1.0.
CASC V 04 08 43 31.5–2.2 13.81N 89.79W 0–7 3.8L,3.4
¶14772014

CASC Error ellipse: s-maj=7.2km s-min=6.0km az=-1.0.
ISC V 04 10 43 46.8–.77 13.83N–.04 89.73W–.03 10–4 4.2b,4.0s 74 0-146
IDC V 04 10 43 45.4–.98 13.84N 89.59W 0 4.2,4.0 **¶13439318**
CASC V 04 10 43 46.5 13.87N 89.71W 0 4.3L,4.2b
ISCJB V 04 10 43 46.2–.50 13.80N–.04 89.77W–.04 16–3 4.1b,3.9s
NEIC V 04 10 43 51.6–1.4 13.93N 89.46W 42–12 4.2b,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=33.1km s-min=18.7km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.5km az=39.2.
NEIC Event type fe. Error ellipse: s-maj=18.1km s-min=7.2km az=58.0. Felt [III] at Los Naranjos.
CASC V 04 10 50 41.8–1.0 13.83N 89.74W 4–1 3.5,3.5L
¶14772015

CASC Error ellipse: s-maj=3.4km s-min=1.8km az=-1.0.
CASC V 04 11 52 21.0–.96 13.85N 89.73W 3–1 3.6,3.5L
¶14772016

CASC Error ellipse: s-maj=2.8km s-min=1.4km az=-1.0.
CASC V 05 05 43 53.7–1.9 13.28N 89.65W 34–3 3.7,3.5L
¶14772021

CASC Error ellipse: s-maj=5.7km s-min=2.9km az=-1.0.
CASC V 05 11 33 02.6–2.0 13.48N 89.50W 60–8 3.8,3.7L
¶14772022

CASC Error ellipse: s-maj=10.7km s-min=4.8km az=-1.0.
CASC V 08 00 49 43.5–1.2 13.07N 89.94W 19–6 3.5
¶14772043

CASC Error ellipse: s-maj=4.0km s-min=3.5km az=-1.0.
CASC V 10 12 11 09.8–1.4 13.43N 89.79W 55–11 3.9L,3.6
¶14772054

CASC Error ellipse: s-maj=10.6km s-min=4.6km az=-1.0.
ISC V 22 13 49 21.5–.93 13.63N–.05 89.05W–.03 4–6 25 0-138
ISCJB V 22 13 49 20.9–.65 13.63N–.05 89.04W–.04 6–4 3.3b **¶13679420**
CASC V 22 13 49 20.5–2.9 13.65N 89.06W 0–8 3.9L,3.4
IDC V 22 13 49 21.4–3.8 13.66N 88.87W 0 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.1km az=14.9.
CASC Error ellipse: s-maj=6.3km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=92.4km s-min=33.2km az=103.0.
ISC V 22 21 47 54.5–1.5 13.08N–.06 89.29W–.04 17–10 34 1-17
ISCJB V 22 21 47 54.4–1.1 13.01N–.06 89.29W–.04 25–8 **¶14647272**
CASC V 22 21 47 54.7–2.0 13.05N 89.31W 13–9 4.3L,3.7
NEIC V 22 21 47 56.0 13.20N 89.27W 54 4.3,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.9km az=31.1.
CASC Error ellipse: s-maj=6.1km s-min=4.4km az=-1.0.
NEIC Event type fe. Felt [II] at Santa Tecla. After SNET.
ISC V 24 18 04 38.4–.68 13.17N–.06 89.14W–.04 64–5 3.8b 60 0-148
ISCJB V 24 18 04 37.6–.60 13.14N–.06 89.21W–.04 70–4 3.8b **¶13679571**
IDC V 24 18 04 37.3–1.5 13.17N 88.69W 70–11 3.8,3.5b
CASC V 24 18 04 37.3–2.7 13.02N 89.25W 13–11 4.1L,3.9
NEIC V 24 18 04 38.0 13.13N 89.26W 50 4.4,3.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=5.0km az=21.9.
IDC Error ellipse: s-maj=59.4km s-min=33.3km az=54.0.
CASC Error ellipse: s-maj=7.6km s-min=4.8km az=-1.0.
NEIC Event type fe. Felt [III] at San Salvador. After SNET.
CASC V 31 03 28 59.0–1.3 13.29N 89.88W 36–3 3.6,3.2L
¶14766818

CASC Error ellipse: s-maj=4.1km s-min=2.6km az=-1.0.
ISC VI 06 08 56 13.8–2.1 13.1N–.10 89.54W–.09 50–18 21 1-52
IDC VI 06 08 55 57.3–4.2 12.11N 89.07W 0 4.1L,3.8 **¶13680662**
ISCJB VI 06 08 56 11.8–1.8 13.04N–.09 89.64W–.06 30–8 3.6b,3.8
CASC VI 06 08 56 12.6–2.1 13.06N 89.55W 24–7 3.7,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=67.1km s-min=57.5km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=8.0km az=19.7.
CASC Error ellipse: s-maj=8.7km s-min=5.1km az=-1.0.
IDC VI 12 04 04 50.7–4.6 13.20N 88.59W 0 3.9,3.6
¶16101225

IDC Error ellipse: s-maj=81.3km s-min=56.6km az=157.0.
ISC VI 14 03 55 24.8–.85 13.13N–.05 89.98W–.04 54–7 4.4b,4.0s 145 1-147
CASC VI 14 03 55 23.1–1.9 13.08N 90.00W 23–8 4.5b,4.4L **¶13066722**
ISCJB VI 14 03 55 23.2–.46 13.08N–.04 90.00W–.03 52–4 4.4b,4.1s
MEX VI 14 03 55 25.2–.46 12.84N 90.34W 14–928 4.4,4.1s
BJI VI 14 03 55 27.5 13.20N 89.60W 91 5.0b,4.1s
IDC VI 14 03 55 28.3–3.1 13.34N 89.57W 77–28 4.1,4.0
NEIC VI 14 03 55 29.6–1.0 13.27N 89.59W 90–9 4.5b,4.5
ISC Event type fe.
CASC Error ellipse: s-maj=6.1km s-min=5.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.4km az=39.2.
MEX Error ellipse: s-maj=167.3km s-min=128.4km az=-1.0.
IDC Error ellipse: s-maj=25.8km s-min=10.3km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=4.6km az=62.0. Felt [II] at San Salvador.
CASC VI 14 11 56 56.8–1.1 13.22N 89.84W 27–4 3.5,3.1L
¶14931461

CASC Error ellipse: s-maj=4.1km s-min=2.6km az=-1.0.
CASC VI 16 02 12 22.2–1.4 13.32N 89.90W 32–4 3.6,3.6L
¶14931488

CASC Error ellipse: s-maj=5.9km s-min=4.2km az=-1.0.
ISC VI 21 10 40 15.8–1.4 13.12N–.08 89.64W–.07 43 20 1-137
ISCJB VI 21 10 40 15.6–1.1 13.05N–.08 89.65W–.06 43 3.9b **¶13681772**
CASC VI 21 10 40 15.8–2.5 13.09N 89.63W 28–8 3.7L,3.6
IDC VI 21 10 40 26.3–8.3 13.63N 89.25W 138–53 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=7.4km az=19.7.
CASC Error ellipse: s-maj=11.5km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=69.3km s-min=45.9km az=159.0.
CASC VI 21 20 13 19.0–1.0 13.11N 89.60W 33–2 4.4b,3.9L
NEIC VI 21 20 13 00.0 13.13N 89.60W 45 4.4b,3.8 **¶14931592**
CASC Error ellipse: s-maj=2.8km s-min=1.8km az=-1.0.
NEIC Event type fe. Felt [II] at San Salvador. After SNET.
ISC VI 29 06 24 48.7–.89 13.12N–.07 88.64W–.05 76–7 4.0b 49 0-138
ISCJB VI 29 06 24 47.7–.44 13.05N–.06 88.66W–.05 85–3 4.0b **¶13682241**
CASC VI 29 06 24 48.8–1.9 12.92N 88.72W 34–55 4.4L,4.0
IDC VI 29 06 24 56.1–4.1 13.38N 88.41W 138–32 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=4.7km az=34.5.
CASC Error ellipse: s-maj=8.5km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=35.3km s-min=25.0km az=32.0.

(74) Near coast of Nicaragua.
CASC I 02 08 03 06.4–2.0 11.92N 86.88W 96–16 3.8
¶15649829

CASC Error ellipse: s-maj=12.6km s-min=11.7km az=-1.0.
ISC I 08 11 36 16.9–.72 12.49N–.06 87.89W–.05 51–9 4.0b 45 1-69
IDC I 08 11 36 12.5–1.1 13.02N 87.43W 0 4.2,4.0 **¶12080733**
ISCJB I 08 11 36 17.4–.45 12.50N–.06 87.94W–.05 74–5 3.9b,4.0
CASC I 08 11 36 18.0–1.9 12.46N 87.98W 38–326 4.5L,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=14.6km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=4.2km az=35.4.
CASC Error ellipse: s-maj=15.5km s-min=10.6km az=-1.0.
CASC I 08 14 07 26.2–1.9 11.63N 87.43W 37–19 4.0
¶15649850

CASC Error ellipse: s-maj=14.7km s-min=12.6km az=-1.0.
ISC I 08 15 12 17.2–.71 12.53N–.08 87.01W–.07 137–6 4.1b 72 0-149
ISCJB I 08 15 12 16.6–.28 12.57N–.06 86.94W–.05 137–3 3.9b **¶12080752**
NEIC I 08 15 12 17.8–.82 12.50N 86.93W 142–8 4.3b

IDC I 08 15 12 18.2–1.9 12.58N 86.82W 145–21 3.7,3.6
CASC I 08 15 12 19.6–1.7 11.95N 87.45W 31–9 4.0,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=3.2km az=40.8.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=9.2km az=47.0.
IDC Error ellipse: s-maj=37.8km s-min=18.1km az=38.0.
CASC Error ellipse: s-maj=7.0km s-min=6.1km az=-1.0.
ISC I 10 21 41 60.0–1.4 12.08N–.07 87.77W–.08 44–14 3.8b 32 1-149
IDC I 10 21 41 55.5–1.5 12.38N 87.56W 0 4.0,3.8 **¶12080985**
ISCJB I 10 21 41 58.6–.69 12.02N–.06 87.79W–.06 52–8 3.6b,3.1s
CASC I 10 21 41 59.1–2.0 12.05N 87.82W 36–999 4.1,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=61.0km s-min=16.2km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=4.1km az=137.7.
CASC Error ellipse: s-maj=16.2km s-min=12.5km az=-1.0.
CASC I 13 08 18 19.2–2.1 12.02N 87.97W 7–10 3.8
¶15649872
CASC Error ellipse: s-maj=9.3km s-min=10.0km az=-1.0.
ISC I 18 14 18 14.8–1.2 11.69N–.07 86.99W–.07 58–11 4.3b 43 1-149
CASC I 18 14 18 12.6–1.8 11.61N 87.07W 22–10 4.2 **¶12081653**
ISCJB I 18 14 18 13.3–.51 11.61N–.06 87.03W–.06 66–7 4.2b
IDC I 18 14 18 15.0–2.4 11.89N 86.76W 58–22 4.2,4.0
ISC Event type ke.
CASC Error ellipse: s-maj=5.4km s-min=6.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=3.9km az=136.6.
IDC Error ellipse: s-maj=44.8km s-min=14.5km az=54.0.
ISC I 19 03 05 27.3–.70 12.46N–.05 87.76W–.05 64–5 3.9b 215 1-139
ISCJB I 19 03 05 26.7–.41 12.42N–.05 87.71W–.05 73–3 3.9b **¶12081700**
IDC I 19 03 05 26.1–1.8 12.68N 87.43W 52–12 3.8,3.6
CASC I 19 03 05 27.5–1.9 12.40N 87.77W 40–123 4.1b,4.1
NEIC I 19 03 05 28.3–1.0 12.44N 87.63W 78–9 4.1b,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=3.6km az=137.1.
IDC Error ellipse: s-maj=35.9km s-min=17.2km az=61.0.
CASC Error ellipse: s-maj=8.2km s-min=6.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=9.5km az=59.0.
ISC I 29 09 31 36.5–1.0 11.91N–.08 87.26W–.07 10 3.5b 26 1-139
IDC I 29 09 31 33.7–1.4 12.45N 86.81W 0 3.9,3.7 **¶12082657**
ISCJB I 29 09 31 35.4–.53 11.84N–.06 87.34W–.06 10 3.6b,3.7
CASC I 29 09 31 37.6–2.5 11.91N 87.24W 19–18 4.1,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=51.3km s-min=19.7km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=4.0km az=44.6.
CASC Error ellipse: s-maj=9.6km s-min=9.8km az=-1.0.
IDC I 29 18 24 01.9–3.0 11.86N 87.64W 116–28 3.7,3.4b
¶12082684
IDC Error ellipse: s-maj=45.7km s-min=18.7km az=55.0.
IDC II 04 21 56 41.3–3.8 11.95N 86.96W 0 3.7,3.5
¶15955024
IDC Error ellipse: s-maj=87.5km s-min=60.2km az=17.0.
IDC II 04 22 15 23.9–3.8 11.94N 87.00W 0 3.8,3.7
¶15955025
IDC Error ellipse: s-maj=87.3km s-min=55.1km az=20.0.
ISC II 14 19 41 02.1–1.5 11.3N–.20 86.7W–.10 49–14 3.2b 26 1-150
IDC II 14 19 40 57.5–1.1 12.02N 86.10W 0 3.7,3.6L **¶12700699**
ISCJB II 14 19 41 00.2–.95 11.1N–.10 86.8W–.10 63–12 3.6b,3.6L
CASC II 14 19 41 01.7–2.5 11.22N 86.75W 37–862 4.0,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=42.8km s-min=13.4km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=26.8km s-min=5.1km az=40.2.
CASC Error ellipse: s-maj=20.4km s-min=19.2km az=-1.0.
ISC II 15 12 20 07.9–.90 12.24N–.09 87.12W–.08 76–9 4.0b 53 2-149
ISCJB II 15 12 20 06.9–.38 12.27N–.09 87.09W–.07 86–6 3.9b **¶12700790**
IDC II 15 12 20 06.6–1.9 12.42N 86.89W 63–17 3.9,3.7
CASC II 15 12 20 07.7–3.0 11.79N 87.44W 35–25 4.4,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=3.9km az=38.4.
IDC Error ellipse: s-maj=31.8km s-min=11.1km az=61.0.
CASC Error ellipse: s-maj=34.7km s-min=25.2km az=-1.0.
IDC II 17 21 06 50.6–1.4 11.55N 86.49W 141–29 3.6,3.3
¶15956443
IDC Error ellipse: s-maj=81.5km s-min=26.9km az=40.0.
ISC II 19 11 18 44.3–.73 11.9N–.20 86.8W–.20 10 3.5b 25 1-149
CASC II 19 11 18 34.0–4.0 14.04N 85.23W 20 3.9 **¶15956703**
IDC II 19 11 18 45.9–3.7 12.00N 86.64W 16–26 3.9,3.7
ISC Event type ke.
CASC Error ellipse: s-maj=67.5km s-min=9.1km az=-1.0.
IDC Error ellipse: s-maj=53.1km s-min=16.0km az=46.0.
IDC II 19 11 20 43.7–1.1 11.91N 86.76W 0 3.8,3.8L
¶15956704
IDC Error ellipse: s-maj=51.3km s-min=17.0km az=54.0.
ISC II 21 02 33 11.5–.69 11.1N–.10 87.2W–.10 30 4.2b 64 2-150
ISCJB II 21 02 33 11.1–.50 11.16N–.08 86.98W–.09 30 4.8s,4.2b **¶11713287**
CASC II 21 02 33 11.5–2.4 11.27N 86.93W 16–23 4.5b,4.3
IDC II 21 02 33 16.4–2.7 11.84N 86.21W 53–25 3.9,3.7
NEIC II 21 02 33 17.6–1.4 11.26N 86.66W 82–16 4.5b,3.7
BJI II 21 02 33 17.6 11.30N 86.70W 81 5.4s,5.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=4.3km az=137.4.
CASC Error ellipse: s-maj=18.3km s-min=18.0km az=-1.0.
IDC Error ellipse: s-maj=49.3km s-min=13.8km az=55.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=11.6km az=54.0.
ISC III 02 01 16 19.3–.38 12.44N–.05 87.36W–.05 87–3 4.8b 627 1-149
ISCJB III 02 01 16 19.4–.27 12.49N–.04 87.27W–.03 90–2 4.6b **¶11731103**
NEIC III 02 01 16 19.6–.26 12.39N 87.28W 85 4.8b
IDC III 02 01 16 19.8–.47 12.62N 87.06W 84–3 4.3,4.1b
CASC III 02 01 16 20.1–2.0 12.47N 87.36W 73–26 4.8b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.2km az=39.4.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.0km az=42.0.
IDC Error ellipse: s-maj=19.9km s-min=8.8km az=60.0.
CASC Error ellipse: s-maj=20.5km s-min=16.4km az=-1.0.
CASC III 16 05 16 14.6–1.7 11.63N 86.69W 36–873 3.7
¶14608378
CASC Error ellipse: s-maj=16.6km s-min=17.1km az=-1.0.
IDC III 23 00 44 12.0–1.6 11.64N 86.12W 73–17 3.8,3.6b
¶12635341
IDC Error ellipse: s-maj=34.6km s-min=12.6km az=57.0.
ISC III 25 19 36 32.2–.52 11.71N–.06 87.03W–.06 49 4.3b 75 1-149
IDC III 25 19 36 26.6–.69 12.07N 86.69W 0 4.5,4.3 **¶12635587**
ISCJB III 25 19 36 31.2–.44 11.60N–.05 87.16W–.05 49 4.3b,3.1s
CASC III 25 19 36 31.8–1.4 11.66N 87.15W 26–8 4.3b,4.1
NEIC III 25 19 36 33.3–.95 11.90N 86.73W 55–8 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=11.7km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=3.7km az=42.4.
CASC Error ellipse: s-maj=4.8km s-min=5.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=7.0km az=50.0.
IDC III 25 23 01 53.7–1.4 11.65N 86.05W 104–14 4.0,3.9b
¶12635595
IDC Error ellipse: s-maj=36.6km s-min=14.2km az=52.0.
ISC III 29 05 20 16.9–1.6 11.72N–.07 86.93W–.07 31–11 4.2b,4.2s 364 2-149
CASC III 29 05 20 17.7–1.9 11.67N 87.00W 24–15 4.3,4.3b **¶12635841**
NEIC III 29 05 20 19.0–.88 11.76N 86.81W 58–9 4.3b,4.3b
IDC III 29 05 20 20.8–2.6 12.06N 86.44W 64–26 4.1,4.1s
ISC Event type se.
CASC Error ellipse: s-maj=13.6km s-min=11.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=6.7km az=51.0.
IDC Error ellipse: s-maj=41.7km s-min=15.4km az=57.0.
ISC IV 03 18 54 42.6–.87 11.3N–.10 86.6W–.10 65 4.1b 40 2-150
IDC IV 03 18 54 35.8–1.3 11.52N 86.46W 0 4.2,3.9 **¶12934373**

NEIC IV 03 18 54 38.9–3.0 11.37N 86.55W 24–22 4.6b,3.9
CASC IV 03 18 54 39.0–2.5 11.13N 86.84W 22–23 4.6b,4.1
ISCJB IV 03 18 54 39.9–.79 11.1N–.10 86.8W–.10 65 4.0b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 04 23 23 22.3–1.3 12.1N–.10 87.9W–.10 35 3.3b 10 1-54
IDC IV 04 23 23 19.1–2.3 12.65N 87.19W 0 3.7,3.4 **¶16152393**
ISCJB IV 04 23 23 20.9–1.1 12.02N–.09 87.9W–.10 35 3.3b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC IV 08 13 23 11.7–1.2 12.13N 87.01W 0 4.1,3.8
¶16152548
IDC Error ellipse: s-maj=40.9km s-min=14.4km az=45.0.
IDC IV 15 13 56 22.8–2.2 11.82N 86.92W 53–24 3.9,3.7
¶16152815
IDC Error ellipse: s-maj=46.7km s-min=13.7km az=45.0.
ISC IV 16 02 36 47.5–1.3 11.5N–.10 87.18W–.09 46–11 4.5b 123 2-150
IDC IV 16 02 36 41.7–.93 11.68N 87.06W 0 4.3,4.2b **¶12935386**
CASC IV 16 02 36 45.6–5.7 11.36N 87.35W 57–665 4.5b,4.0
ISCJB IV 16 02 36 46.1–.63 11.46N–.08 87.26W–.07 45–5 4.3b,4.0
NEIC IV 16 02 36 47.7–1.1 11.51N 87.19W 48–9 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=14.7km az=53.0.
CASC Error ellipse: s-maj=151.9km s-min=125.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=3.9km az=37.4.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=7.2km az=47.0.
IDC IV 17 23 00 29.3–6.6 11.74N 87.04W 33–50 3.8,3.6
¶16152955
IDC Error ellipse: s-maj=64.2km s-min=18.8km az=48.0.
CASC IV 29 13 30 08.6–2.2 11.08N 87.66W 35–18 3.8
¶14682966
CASC Error ellipse: s-maj=8.5km s-min=7.8km az=-1.0.
ISC V 01 02 02 27.7–.98 11.4N–.10 86.7W–.10 65 3.5b 24 1-150
IDC V 01 02 02 20.6–2.4 11.41N 86.74W 0 3.9,3.6 **¶13678147**
ISCJB V 01 02 02 24.9–.70 11.28N–.09 86.78W–.09 65 3.4b,3.6
CASC V 01 02 02 25.7–3.7 11.36N 86.75W 36–999 4.0,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=64.3km s-min=44.5km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=4.8km az=43.4.
CASC Error ellipse: s-maj=24.1km s-min=28.6km az=-1.0.
ISC V 03 10 35 20.0–1.4 12.4N–.10 87.88W–.06 66–12 3.2b 27 1-139
ISCJB V 03 10 35 19.4–.96 12.45N–.09 87.86W–.05 78–8 3.2b **¶13678269**
CASC V 03 10 35 20.8–1.5 12.48N 87.87W 33–12 3.8
IDC V 03 10 35 29.0–12 12.97N 87.70W 133–70 3.2,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=7.1km az=17.8.
CASC Error ellipse: s-maj=7.2km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=123.8km s-min=82.1km az=2.0.
ISC V 10 02 36 51.4–.93 11.77N–.09 86.55W–.09 81–8 3.4b 34 1-140
IDC V 10 02 36 38.7–3.6 11.42N 86.30W 0 3.7,3.5 **¶13678640**
ISCJB V 10 02 36 51.0–.42 11.78N–.08 86.55W–.09 88–6 3.4b,3.5
CASC V 10 02 36 52.2–2.8 11.67N 86.70W 35–999 4.0,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=73.4km s-min=55.6km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=4.4km az=138.3.
CASC Error ellipse: s-maj=19.5km s-min=20.5km az=-1.0.
CASC V 12 06 27 37.2–6.1 11.40N 87.30W 35–999 3.7
¶14772066
CASC Error ellipse: s-maj=77.0km s-min=69.2km az=-1.0.
ISC V 15 22 47 06.6–.67 12.55N–.05 87.71W–.05 63–5 4.2b 95 1-148
ISCJB V 15 22 47 06.0–.30 12.52N–.04 87.72W–.04 71–3 4.2b **¶12828721**
NEIC V 15 22 47 07.0–.97 12.48N 87.81W 64–12 4.4b
CASC V 15 22 47 06.8–3.0 12.53N 87.74W 43–142 4.4b,4.2L
IDC V 15 22 47 07.7–1.9 12.93N 87.37W 64–7 4.0,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=3.2km az=40.7.
NEIC Event type fe. Error ellipse: s-maj=14.2km s-min=8.6km az=74.0. Felt at Chinandega.
CASC Error ellipse: s-maj=23.4km s-min=16.0km az=-1.0.
IDC Error ellipse: s-maj=41.2km s-min=31.8km az=51.0.
IDC V 21 17 12 57.4–2.0 11.55N 86.27W 0 3.9,3.6
¶16155999
IDC Error ellipse: s-maj=63.8km s-min=46.5km az=57.0.
ISC V 21 17 17 44.4–1.4 11.15N–.06 86.88W–.06 29–9 4.7b,4.1s 200 1-150
IDC V 21 17 17 42.1–.55 11.92N 86.04W 0 4.6,4.4 **¶12853077**
CASC V 21 17 17 44.8–1.3 11.09N 86.95W 31–15 4.7b,4.0L
ISCJB V 21 17 17 45.3–.47 11.25N–.05 86.77W–.05 51–4 4.7b,4.1s
BJI V 21 17 17 48.1 11.30N 86.70W 61 5.1b,4.8s
NEIC V 21 17 17 48.3–.83 11.32N 86.70W 61–7 4.7b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=13.6km az=52.0.
CASC Error ellipse: s-maj=8.5km s-min=7.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=3.8km az=40.9.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.8km az=45.0.
CASC VI 23 07 15 34.7–1.2 12.49N 87.58W 81–10 3.7
¶14931643
CASC Error ellipse: s-maj=5.7km s-min=4.2km az=-1.0.

(75) Nicaragua.

ISC I 07 21 32 27.4–.70 12.45N–.08 86.61W–.07 176–7 3.9b 69 1-150
ISCJB I 07 21 32 26.9–.32 12.47N–.07 86.61W–.06 183–5 3.8b **¶12080682**
NEIC I 07 21 32 28.2–.61 12.52N 86.59W 179–6 4.2b
IDC I 07 21 32 28.2–1.6 12.54N 86.48W 181–17 3.7,3.5b
CASC I 07 21 32 29.7–2.2 11.80N 87.24W 2–6 4.2b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=3.4km az=40.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=8.2km az=46.0.
IDC Error ellipse: s-maj=24.8km s-min=17.6km az=56.0.
CASC Error ellipse: s-maj=13.2km s-min=10.9km az=-1.0.
IDC I 08 20 12 32.4–1.4 12.43N 85.86W 0 3.6,3.5
¶12080780
IDC Error ellipse: s-maj=113.9km s-min=25.3km az=62.0.
IDC I 09 12 30 17.6–1.9 13.15N 85.86W 0 3.5,3.4
¶12080837
IDC Error ellipse: s-maj=113.7km s-min=27.7km az=66.0.
ISC I 26 23 15 55.0–.60 11.33N–.08 85.66W–.08 172–5 4.0b 90 1-150
ISCJB I 26 23 15 54.3–.29 11.30N–.06 85.69W–.07 177–3 4.0b **¶12082425**
IDC I 26 23 15 54.6–.50 11.31N 85.64W 167–6 3.8,3.7b
CASC I 26 23 15 55.6–2.4 11.30N 85.71W 166–8 4.4b,3.6
NEIC I 26 23 15 55.1–.66 11.29N 85.65W 175–6 4.4b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=4.3km az=137.0.
IDC Error ellipse: s-maj=21.6km s-min=10.4km az=53.0.
CASC Error ellipse: s-maj=11.3km s-min=10.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=8.3km az=61.0.
IDC I 28 02 41 08.4–.94 11.67N 85.56W 0 3.9,3.7
¶12082533
IDC Error ellipse: s-maj=66.1km s-min=11.8km az=64.0.
IDC II 03 18 16 57.4–.76 12.31N 86.56W 0 4.2,3.9
¶16191952
IDC Error ellipse: s-maj=40.9km s-min=14.4km az=48.0.
CASC III 05 08 38 13.4–.91 11.29N 85.63W 173–6 3.5
¶14607991
CASC Error ellipse: s-maj=12.4km s-min=11.9km az=-1.0.
IDC III 12 03 57 31.4–1.4 12.23N 86.68W 0 3.9,3.7
¶12703044
IDC Error ellipse: s-maj=75.1km s-min=14.8km az=51.0.
IDC III 12 11 16 18.0–3.9 11.49N 85.84W 0 3.8,3.6b
¶12703066
IDC Error ellipse: s-maj=81.3km s-min=63.8km az=169.0.
IDC III 24 09 59 22.3–1.3 12.47N 86.82W 0 3.6,3.5

¶12635456
IDC Error ellipse: s-maj=95.1km s-min=13.6km az=51.0.
ISC III 31 17 50 31.7–1.6 13.52N–.04 86.19W–.05 16–10 4.3b,3.2s 189 1-149
IDC III 31 17 50 29.6–.77 13.56N 86.01W 0 4.7L,4.3 ¶12084386
CASC III 31 17 50 30.2–3.6 13.57N 86.18W 0–12 4.4b,4.3
ISCJB III 31 17 50 32.1–1.1 13.55N–.03 86.10W–.03 27–8 4.2b,3.3s
NEIC III 31 17 50 34.2–.98 13.45N 86.06W 36–11 4.9L,4.4b
BJI III 31 17 50 35.2 13.30N 86.30W 44 5.4b,5.2s
ISC Event type de.
IDC Error ellipse: s-maj=34.4km s-min=15.3km az=65.0.
CASC Error ellipse: s-maj=16.0km s-min=15.1km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=6.3km s-min=4.5km az=137.8.
NEIC Event type de. Error ellipse: s-maj=15.9km s-min=8.9km az=47.0. At least three houses were destroyed and 10 damaged at San Juan del Rio Coco. Felt in the central part of the Nicaragua-Honduras border region.
IDC III 31 17 57 00.1–1.3 13.66N 85.85W 0 3.9L,3.9
¶12636046
IDC Error ellipse: s-maj=83.8km s-min=23.7km az=78.0.
IDC IV 12 12 51 58.8–1.2 12.68N 83.73W 0 4.4L,3.7
¶16152710
IDC Error ellipse: s-maj=46.5km s-min=22.5km az=69.0.
IDC IV 15 13 08 49.1–1.9 12.15N 86.58W 0 3.6,3.4
¶16152813
IDC Error ellipse: s-maj=135.8km s-min=21.3km az=52.0.
IDC IV 16 09 29 12.9–1.3 12.03N 86.73W 0 3.6,3.5
¶16152837
IDC Error ellipse: s-maj=94.3km s-min=16.5km az=50.0.
IDC IV 21 10 35 14.1–1.4 11.39N 85.23W 0 4.0,3.8
¶16153205
IDC Error ellipse: s-maj=71.2km s-min=10.2km az=71.0.
IDC V 06 01 22 47.0–2.6 11.17N 85.44W 0 4.0,3.8
¶16155428
IDC Error ellipse: s-maj=63.7km s-min=49.7km az=25.0.
IDC V 06 06 45 36.3–1.6 12.20N 86.29W 0 4.1,3.7
¶16155443
IDC Error ellipse: s-maj=132.5km s-min=21.7km az=54.0.
IDC V 16 10 31 11.2–1.8 12.10N 86.52W 0 3.8,3.5
¶16155803
IDC Error ellipse: s-maj=150.2km s-min=23.9km az=53.0.
IDC VI 15 22 01 44.1–2.8 11.97N 85.86W 0 4.1,3.8
¶16101382
IDC Error ellipse: s-maj=84.8km s-min=56.1km az=58.0.

(76) Off coast of central America.

ISC I 07 06 35 52.9–1.0 12.66N–.05 88.69W–.05 54–10 4.3b,3.8s 474 1-148
IDC I 07 06 35 45.7–.73 12.76N 88.36W 0 4.4,4.2 ¶11659094
ISCJB I 07 06 35 51.0–.46 12.61N–.04 88.67W–.04 51–4 4.3b,3.7s
CASC I 07 06 35 50.9–1.9 12.60N 88.75W 36–914 4.5b,4.5L
NEIC I 07 06 35 53.0–1.1 12.64N 88.59W 57–10 4.5b,4.5
ISC Event type fe.
IDC Error ellipse: s-maj=34.6km s-min=13.5km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=3.0km az=136.7.
CASC Error ellipse: s-maj=10.7km s-min=7.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=14.9km s-min=7.3km az=57.0. Felt [II] at San Salvador.
ISC I 08 12 31 43.1–.71 12.64N–.05 88.02W–.05 61–6 4.4b 315 1-148
BJI I 08 12 31 41.4 12.50N 88.00W 57 5.1b ¶11594434
ISCJB I 08 12 31 42.7–.41 12.60N–.04 88.00W–.04 69–3 4.4b
NEIC I 08 12 31 43.4–.37 12.65N 87.92W 67 4.6b
CASC I 08 12 31 43.7–1.5 12.62N 88.06W 45–37 5.0,4.6b
IDC I 08 12 31 43.6–.78 12.82N 87.73W 67–6 4.1,3.9
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=3.6km az=44.4.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=4.7km az=223.0. Felt [II] at La Union, El Salvador.
CASC Error ellipse: s-maj=6.5km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=27.0km s-min=8.4km az=54.0.
IDC I 13 13 12 40.8–.94 2.85N 83.79W 0 4.1,3.9
¶12081186
IDC Error ellipse: s-maj=84.4km s-min=15.9km az=57.0.
ISC I 14 21 40 49.8–.65 12.80N–.06 88.59W–.04 61–5 4.0b 181 1-148
ISCJB I 14 21 40 49.7–.47 12.82N–.05 88.58W–.04 66–3 3.9b ¶12081295
CASC I 14 21 40 49.5–1.5 12.79N 88.68W 18–6 4.1b,4.1
IDC I 14 21 40 50.5–.87 13.11N 88.22W 59–6 3.9,3.7
NEIC I 14 21 40 51.3–1.1 12.85N 88.43W 77–10 4.1b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=3.9km az=37.0.
CASC Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=37.8km s-min=10.1km az=50.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=8.6km az=51.0.
ISC I 15 15 44 30.9–1.2 12.74N–.07 88.80W–.06 61–12 3.8b 40 1-89
ISCJB I 15 15 44 30.9–.50 12.82N–.06 88.76W–.05 72–6 3.6b ¶12081346
CASC I 15 15 44 31.3–1.7 12.80N 88.84W 25–6 4.3L,3.9
IDC I 15 15 44 36.4–1.7 13.10N 88.16W 107–18 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=4.7km az=36.7.
CASC Error ellipse: s-maj=4.6km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=46.2km s-min=12.2km az=49.0.
ISC I 16 06 02 39.4–.96 12.96N–.06 91.07W–.06 33 4.1b 27 1-52
ISCJB I 16 06 02 37.1–.90 12.81N–.06 91.08W–.07 33 4.0b ¶12081412
CASC I 16 06 02 38.6–1.9 13.82N 91.18W 181–14 4.3b,3.8
IDC I 16 06 02 40.9–2.6 13.85N 90.60W 0 4.0b,4.0
NEIC I 16 06 02 44.3–1.7 13.41N 90.92W 43–16 4.3b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=7.4km az=148.9.
CASC Error ellipse: s-maj=20.9km s-min=14.6km az=-1.0.
IDC Error ellipse: s-maj=65.6km s-min=27.6km az=31.0.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=13.4km az=211.0.
ISC I 20 15 03 38.7–1.3 12.23N–.07 88.72W–.07 47–11 4.5b,3.6s 229 1-149
IDC I 20 15 03 33.5–.81 12.44N 88.48W 0 4.4,4.2 ¶11613357
ISCJB I 20 15 03 37.3–.57 12.20N–.04 88.69W–.04 47–5 4.3b,3.8s
CASC I 20 15 03 37.6–1.9 12.22N 88.76W 37–999 4.7b,4.2
BJI I 20 15 03 39.1 12.20N 88.60W 71 5.1b,4.8
NEIC I 20 15 03 39.6–1.2 12.33N 88.66W 51–11 4.7b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=14.7km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=3.4km az=45.0.
CASC Error ellipse: s-maj=20.8km s-min=12.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=8.8km az=57.0.
IDC I 23 10 58 47.6–1.3 12.98N 88.16W 0 3.8,3.7
¶12082115
IDC Error ellipse: s-maj=68.3km s-min=16.5km az=46.0.
ISC II 02 04 12 55.2–.96 12.58N–.05 89.50W–.05 43–8 4.6b,3.6s 344 1-148
CASC II 02 04 12 53.4–2.1 12.60N 89.50W 6–20 4.6b,4.2L ¶11667225
ISCJB II 02 04 12 55.4–.69 12.63N–.05 89.38W–.05 58–4 4.5b,3.8s
IDC II 02 04 12 56.0–2.1 12.84N 89.25W 41–19 4.2,4.0
NEIC II 02 04 12 59.0–.83 12.78N 89.31W 72–8 4.6b,4.0
ISC Event type fe.
CASC Error ellipse: s-maj=15.4km s-min=6.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.1km az=36.2.
IDC Error ellipse: s-maj=30.7km s-min=10.9km az=42.0.
NEIC Event type fe. Error ellipse: s-maj=11.9km s-min=6.4km az=62.0. Felt at Ilopango and San Salvador.
ISC II 02 04 41 06.0–1.3 12.5N–.10 89.57W–.06 47 3.6b 26 1-53
CASC II 02 04 41 00.5–2.1 12.33N 89.54W 0–8 3.9 ¶12699383
ISCJB II 02 04 41 04.8–.94 12.43N–.08 89.54W–.06 47 3.6b
IDC II 02 04 41 11.5–3.1 12.65N 89.14W 85–33 3.6,3.4
ISC Event type ke.
CASC Error ellipse: s-maj=16.2km s-min=8.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.2km az=29.2.
IDC Error ellipse: s-maj=48.5km s-min=20.7km az=42.0.
ISC II 03 11 38 42.4–1.4 12.88N–.06 88.45W–.03 26–13 3.4b 68 1-53
IDC II 03 11 38 37.8–1.9 13.89N 87.66W 0 3.8,3.6 ¶12699465
CASC II 03 11 38 41.7–3.5 12.78N 88.49W 17–11 4.2,4.2L
NEIC II 03 11 38 42.2 12.94N 88.43W 70 4.3,4.2L
ISC Event type fe.
IDC Error ellipse: s-maj=52.3km s-min=26.6km az=43.0.
CASC Error ellipse: s-maj=9.7km s-min=6.8km az=-1.0.
NEIC Event type fe. Felt [II] at San Salvador. After SNET.
ISC II 11 04 44 54.2–.41 2.30N–.06 84.31W–.07 26 4.6b,4.3s 375 6-159
IDC II 11 04 44 50.1–.65 2.36N 84.28W 0 4.4,4.3 ¶11754779
ISCJB II 11 04 44 52.4–.27 2.35N–.04 84.31W–.05 26 4.5b,4.3s
NEIC II 11 04 44 56.2–.68 2.27N 84.46W 42–6 4.7b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=13.7km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.6km az=147.1.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.5km az=62.0.
ISC II 14 12 33 40.2–.66 12.87N–.06 88.87W–.04 55–4 4.5b,3.4s 392 1-148
ISCJB II 14 12 33 40.3–.54 12.90N–.05 88.81W–.04 63–3 4.5b,3.4s ¶11673092
BJI II 14 12 33 40.8 12.90N 88.90W 52 5.4b,5.3s
NEIC II 14 12 33 40.5–.38 12.87N 88.83W 53 4.9,4.6b
CASC II 14 12 33 41.1–1.4 12.89N 88.89W 35–16 4.8L,4.6b
IDC II 14 12 33 45.2–2.3 13.09N 88.54W 95–19 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.6km az=29.2.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=4.7km az=37.0. Felt [IV] at San Salvador. Also felt at Antiguo Cuscatlan, La Libertad and Santa Ana. Felt at Tegucigalpa, Honduras.
CASC Error ellipse: s-maj=10.7km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=24.3km s-min=10.5km az=55.0.
ISC II 15 14 28 22.9–.77 12.60N–.07 88.35W–.05 57–7 4.1b 183 1-148
NEIC II 15 14 28 19.1–.90 12.77N 88.23W 15 4.4,4.2b ¶12700805
ISCJB II 15 14 28 22.7–.45 12.60N–.05 88.31W–.04 69–2 4.1b,4.2b
CASC II 15 14 28 22.2–2.3 12.59N 88.49W 7–9 4.3L,4.2
IDC II 15 14 28 23.0–.96 12.82N 88.17W 56–7 3.9,3.7
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=40.7km s-min=10.1km az=46.0. Felt [II] at Usulutan.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=3.8km az=36.8.
CASC Error ellipse: s-maj=4.9km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=39.7km s-min=10.2km az=46.0.
ISC II 18 20 09 23.1–3.0 12.11N–.07 89.09W–.06 3–18 4.0b 42 2-149
IDC II 18 20 09 22.4–1.3 12.07N 89.08W 0 4.1,3.9 ¶12701166
CASC II 18 20 09 25.9–2.0 12.18N 89.12W 10–12 3.7,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=19.0km az=53.0.
CASC Error ellipse: s-maj=15.0km s-min=5.0km az=-1.0.
IDC II 24 07 19 25.1–2.7 12.41N 88.20W 56–29 3.9,3.7
¶15957148
IDC Error ellipse: s-maj=46.2km s-min=17.2km az=50.0.
ISC III 01 23 57 19.8–.50 12.84N–.05 88.57W–.04 54–3 4.9b,3.9s 676 1-163
IDC III 01 23 57 19.9–.72 13.08N 88.05W 53–5 4.4,4.3 ¶11731099
BJI III 01 23 57 20.3 12.90N 88.50W 70 5.1s,5.1b
ISCJB III 01 23 57 20.3–.29 12.82N–.03 88.55W–.03 69–2 4.8b,5.1b
NEIC III 01 23 57 20.3–.32 12.79N 88.47W 58 5.0b,4.9
CASC III 01 23 57 21.2–1.9 12.83N 88.60W 36–384 5.0L,5.0b
GCMT III 01 23 57 23.2–.40 12.79N 88.63W 60–2 4.9W,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=19.0km s-min=10.3km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=2.6km az=38.3.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=4.8km az=224.0. Felt [III] at San Salvador.
CASC Error ellipse: s-maj=9.0km s-min=5.7km az=-1.0.
GCMT Event type se. Data Used: II G CN IU IC. Moment Tensor Solution. s32,c38; s48,c64; Moment tensor: Scale 10^{16}Nm; M_{rr}2.22±.14 $M_{\theta\theta}$-2.41±.11; $M_{\phi\phi}$0.20±.13; $M_{r\theta}$0.48±.08; $M_{\theta\phi}$1.13±.11; $M_{\phi r}$-0.58±.08; Best double couple: NP1:ϕ_s278.00000°,δ39.00000°,λ71.00000°. NP2:ϕ_s122.00000°,δ53.00000°,λ105.00000°. Principal axes: T 2.3800,Plg76.0000° ,Azm80.0000°; N 0.5400,Plg12.0000°,Azm293.0000°; P -2.9100,Plg7.0000°,Azm201.0000° M_o2.70000×10^{16}
ISC III 06 07 38 34.0–.89 12.90N–.06 88.69W–.05 86–8 4.3b 357 2-148
CASC III 06 07 38 31.3–2.3 12.59N 89.01W 10–18 4.4,4.4b ¶11788723
ISCJB III 06 07 38 33.4–.49 12.99N–.06 88.61W–.05 89–4 4.2b,4.4b
NEIC III 06 07 38 35.8–.95 13.00N 88.54W 98–9 4.6,4.4b
IDC III 06 07 38 37.0–2.4 13.17N 88.33W 105–21 4.4s,4.4
ISC Event type fe.
CASC Error ellipse: s-maj=14.9km s-min=12.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=4.4km az=37.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=6.7km az=60.0. Felt [II] at San Salvador.
IDC Error ellipse: s-maj=30.3km s-min=11.9km az=57.0.
ISC III 08 20 31 18.2–1.5 13.0N–.10 90.17W–.08 29 3.6b 22 1-52
CASC III 08 20 31 15.1–1.1 12.88N 90.26W 16–7 3.8 ¶12702752
ISCJB III 08 20 31 16.5–1.2 12.9N–.10 90.20W–.06 29 3.7b
IDC III 08 20 31 16.8–2.4 13.80N 89.55W 0 3.8,3.6
ISC Event type ke.
CASC Error ellipse: s-maj=7.5km s-min=5.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=6.4km az=21.2.
IDC Error ellipse: s-maj=62.4km s-min=25.8km az=32.0.
ISC III 10 07 10 10.4–.53 11.72N–.04 88.44W–.04 41–4 5.0b,4.3s 947 2-151
IDC III 10 07 10 04.5–.41 11.77N 88.26W 0 4.8,4.8L ¶11789689
ISCJB III 10 07 10 08.7–.29 11.74N–.02 88.38W–.02 39–2 4.9b,4.2s
MOS III 10 07 10 08.8–1.1 11.82N 88.27W 33 5.2b,4.2s
CASC III 10 07 10 08.8–10 11.71N 88.51W 94–157 5.0b,4.9L
GCMT III 10 07 10 10.0–.20 11.60N 88.68W 12 5.1W,4.9L
SZGRF III 10 07 10 11.5 11.51N 87.84W 28 5.1b,4.3s
NEIC III 10 07 10 11.0–.36 11.73N 88.38W 44–3 5.0b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=10.4km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.0km az=35.7.
MOS Error ellipse: s-maj=9.1km s-min=4.8km az=112.9.
CASC Error ellipse: s-maj=40.0km s-min=31.3km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s51,c74; s93,c161; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.15±.12 $M_{\theta\theta}$4.18±.11; $M_{\phi\phi}$1.98±.14; $M_{r\theta}$1.22±.36; $M_{\theta\phi}$-2.93±.10; $M_{\phi r}$-0.02±.37; Best double couple: NP1:ϕ_s131.00000°,δ41.00000°,λ-81.00000°. NP2:ϕ_s299.00000°,δ50.00000°,λ-98.00000°. Principal axes: T 6.2900,Plg5.0000° ,Azm304.0000°; N 0.0200,Plg6.0000°,Azm304.0000°; P -6.3100,Plg82.0000°,Azm161.0000° M_o6.30000×10^{16}
SZGRF Near coast of Nicaragua.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.6km az=212.0.
ISC III 10 14 26 17.3–2.6 11.88N–.09 88.36W–.08 1–14 23 1-149
IDC III 10 14 26 18.3–2.1 12.44N 87.85W 0 3.7,3.5 ¶12702878
CASC III 10 14 26 21.1–2.6 12.04N 88.52W 2–27 3.8,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=118.4km s-min=23.4km az=40.0.
CASC Error ellipse: s-maj=33.7km s-min=16.3km az=-1.0.
CASC III 11 14 19 43.8–4.5 12.52N 88.19W 3–16 3.8,3.7L
¶14608203
CASC Error ellipse: s-maj=10.4km s-min=10.4km az=-1.0.
CASC III 15 01 48 09.5–2.2 12.95N 90.44W 6–10 4.1
¶14608349
CASC Error ellipse: s-maj=9.9km s-min=5.5km az=-1.0.
CASC III 25 21 19 14.2–1.1 12.99N 90.98W 13–7 3.6
¶14609844
CASC Error ellipse: s-maj=14.4km s-min=6.2km az=-1.0.
ISC IV 09 21 25 09.5–.79 12.94N–.07 90.63W–.06 24 4.3b 34 1-89
IDC IV 09 21 25 08.0–1.3 13.40N 90.23W 0 4.2,4.1 ¶12934860
CASC IV 09 21 25 09.7–2.2 12.84N 90.77W 25 3.9,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=18.7km az=47.0.
CASC Error ellipse: s-maj=8.7km s-min=10.7km az=-1.0.
ISC IV 12 22 57 34.0–2.3 12.44N–.10 89.40W–.09 24–15 3.5b 24 1-88
IDC IV 12 22 57 34.0–1.8 13.37N 88.56W 0 3.8,3.6 ¶12935144
CASC IV 12 22 57 36.0–2.8 14.69N 88.67W 0–10 3.6,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=58.1km s-min=20.0km az=38.0.
CASC Error ellipse: s-maj=12.5km s-min=11.8km az=-1.0.
IDC IV 13 13 18 08.8–1.9 2.63N 83.33W 0 3.9,3.7

¶16152758

IDC Error ellipse: s-maj=136.9km s-min=25.7km az=57.0.
ISC IV 16 04 28 59.8–2.5 12.84N–.07 90.95W–.04 17–13 4.6b,3.8s 316 2-149
CASC IV 16 04 28 56.2–2.8 12.72N 91.06W 0–13 4.3b,4.1L **¶12935381**
ISCJB IV 16 04 29 00.1–.37 13.14N–.05 90.94W–.03 10 4.5b,3.8s
IDC IV 16 04 29 00.2–.65 13.53N 90.25W 0 4.5,4.3
NEIC IV 16 04 29 08.1–1.3 13.26N 90.66W 65–11 4.6b,4.3
ISC Event type se.
CASC Error ellipse: s-maj=22.1km s-min=13.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.7km az=18.4.
IDC Error ellipse: s-maj=27.1km s-min=11.9km az=56.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.1km az=46.0.
CASC IV 16 14 38 22.6–2.8 12.21N 91.01W 35–128 3.7

¶14682861

CASC Error ellipse: s-maj=82.3km s-min=22.2km az=-1.0.
IDC IV 20 13 28 11.4–.74 2.49N 84.62W 0 4.3,4.1

¶12842930

IDC Error ellipse: s-maj=35.4km s-min=14.2km az=55.0.
CASC IV 24 08 29 37.9–1.6 12.98N 89.06W 13–8 3.6

¶14682925

CASC Error ellipse: s-maj=5.9km s-min=2.4km az=-1.0.
ISC IV 27 02 29 54.8–2.3 12.56N–.09 89.64W–.07 15–11 3.9b 28 1-148
CASC IV 27 02 29 56.4–3.6 12.67N 89.65W 0–11 4.0 **¶12936325**
IDC IV 27 02 30 02.5–14 13.00N 89.36W 59–114 3.9,3.6b
ISC Event type ke.
CASC Error ellipse: s-maj=20.3km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=87.6km s-min=37.4km az=4.0.
ISC IV 27 03 36 01.5–2.0 12.80N–.09 88.67W–.04 15–10 3.5b 35 1-65
CASC IV 27 03 36 02.2–2.9 12.82N 88.69W 12–13 3.9L,3.8 **¶12936322**
IDC IV 27 03 36 05.3–8.3 12.78N 88.63W 93–46 3.5,3.3
ISC Event type ke.
CASC Error ellipse: s-maj=10.3km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=83.4km s-min=35.7km az=174.0.
IDC V 07 04 09 31.7–23 7.37N 87.50W 0 3.9,3.6

¶16155470

IDC Error ellipse: s-maj=480.6km s-min=71.7km az=3.0.
IDC V 10 10 07 08.1–2.1 2.39N 84.02W 0 4.0,3.9L

¶16155582

IDC Error ellipse: s-maj=206.7km s-min=23.4km az=59.0.
IDC V 10 16 24 05.1–1.1 2.15N 84.24W 0 4.5L,4.2

¶16155597

IDC Error ellipse: s-maj=115.5km s-min=18.3km az=62.0.
CASC V 11 21 35 57.8–4.2 12.87N 90.82W 35–999 3.6

¶14772062

CASC Error ellipse: s-maj=45.1km s-min=20.0km az=-1.0.
ISC V 16 19 12 46.1–.40 2.84N–.06 84.33W–.08 28 4.7b 140 6-159
IDC V 16 19 12 42.2–.60 2.96N 84.13W 0 4.4,4.3 **¶12828727**
ISCJB V 16 19 12 44.5–.30 2.77N–.04 84.34W–.05 28 4.7b,4.3
NEIC V 16 19 12 47.9–.73 2.79N 84.32W 44–6 4.5b,4.3
BJI V 16 19 12 49.5 2.70N 84.30W 47 5.0b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=13.6km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.2km az=152.2.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.5km az=53.0.
ISC V 18 03 07 23.3–1.1 12.98N–.09 88.79W–.06 55 3.5b 29 1-65
ISCJB V 18 03 07 23.2–.66 12.92N–.06 88.82W–.05 55 3.6b **¶13679155**
CASC V 18 03 07 24.1–1.1 12.98N 88.80W 32–4 4.1L
IDC V 18 03 07 34.2–10 13.63N 88.43W 140–60 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.7km az=39.3.
CASC Error ellipse: s-maj=4.1km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=102.1km s-min=38.1km az=173.0.
CASC V 20 19 26 19.6–2.4 12.76N 90.19W 0–10 3.6

¶14772088

CASC Error ellipse: s-maj=18.7km s-min=8.5km az=-1.0.
IDC V 21 00 38 02.4–3.7 3.25N 83.30W 0 3.8,3.5

¶16155976

IDC Error ellipse: s-maj=417.5km s-min=30.9km az=61.0.
IDC V 23 02 44 47.6–1.5 3.15N 83.94W 0 3.8,3.7

¶16156038

IDC Error ellipse: s-maj=85.1km s-min=22.2km az=51.0.
IDC V 28 19 18 44.1–7.0 11.80N 88.36W 0 4.0,3.7

¶16156283

IDC Error ellipse: s-maj=131.5km s-min=59.3km az=169.0.
ISC V 29 05 11 01.2–1.2 12.50N–.08 88.60W–.10 69–9 4.4b 123 1-148
IDC V 29 05 10 53.2–.78 12.62N 88.44W 0 4.6,4.4b **¶13077413**
ISCJB V 29 05 10 57.9–.56 12.40N–.05 88.72W–.05 54–4 4.4b,3.8s
CASC V 29 05 10 57.7–3.2 12.34N 88.75W 43–365 4.5b,4.1
BJI V 29 05 10 59.0 12.50N 88.60W 78 5.1b,4.8s
NEIC V 29 05 11 02.7–1.1 12.57N 88.49W 79–10 4.5b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=16.9km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.7km az=44.1.
CASC Error ellipse: s-maj=27.7km s-min=18.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=6.3km az=59.0.
ISC V 29 05 47 19.2–1.4 12.40N–.06 88.71W–.06 28–8 4.5b,3.9s 183 1-148
IDC V 29 05 47 15.2–.59 12.55N 88.46W 0 4.5,4.4 **¶13077415**
CASC V 29 05 47 18.3–2.4 12.36N 88.80W 8–13 4.6b,4.3
ISCJB V 29 05 47 20.4–.45 12.40N–.04 88.69W–.05 54–3 4.5b,3.9s
BJI V 29 05 47 23.9 12.50N 88.60W 66 5.3s,5.1b
NEIC V 29 05 47 24.0–.94 12.50N 88.55W 70–9 4.6b,5.1b
ISC Event type fe.
IDC Error ellipse: s-maj=27.7km s-min=12.3km az=55.0.
CASC Error ellipse: s-maj=6.0km s-min=7.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=3.2km az=136.2.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=4.6km az=57.0. Felt at San Salvador.
ISC V 29 06 54 48.5–.82 12.49N–.08 88.69W–.07 35 4.0b 30 1-148
IDC V 29 06 54 43.4–2.7 12.58N 88.41W 0 4.2,3.9 **¶13679875**
CASC V 29 06 54 49.5–.63 12.52N 88.84W 33–36 4.3b,3.9
NEIC V 29 06 54 50.9–2.1 12.55N 88.55W 56–21 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=55.9km s-min=45.8km az=172.0.
CASC Error ellipse: s-maj=20.4km s-min=4.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=15.0km az=61.0.
CASC V 30 00 38 14.6–3.2 12.97N 89.98W 0–8 3.6,3.5L

¶14762490

CASC Error ellipse: s-maj=13.3km s-min=7.2km az=-1.0.
IDC V 31 02 40 21.2–9.6 12.55N 91.32W 0 4.3L,4.1

¶16066102

IDC Error ellipse: s-maj=158.6km s-min=60.0km az=157.0.
ISC VI 07 15 46 32.1–1.3 12.55N–.05 88.60W–.05 18–4 4.7b,4.2s 268 1-148
IDC VI 07 15 46 29.3–.45 12.74N 88.23W 0 4.7,4.5 **¶12941978**
ISCJB VI 07 15 46 32.9–.23 12.54N–.03 88.64W–.04 33 4.6b,4.2s
CASC VI 07 15 46 33.8–2.1 12.50N 88.75W 38–999 4.8L,4.6b
NEIC VI 07 15 46 39.6–.75 12.66N 88.40W 83–7 4.7,4.6b
BJI VI 07 15 46 40.5 12.60N 88.40W 82 5.1s,5.1b
ISC Event type fe.
IDC Error ellipse: s-maj=23.5km s-min=10.2km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=2.3km az=137.2.
CASC Error ellipse: s-maj=13.9km s-min=10.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=3.4km az=52.0. Felt [II] at San Salvador. Felt at La Esperanza, Honduras.
CASC VI 10 17 37 37.7–1.9 12.96N 89.05W 16–9 3.5

¶14931382

CASC Error ellipse: s-maj=7.6km s-min=4.2km az=-1.0.
ISC VI 11 05 50 20.2–.41 3.24N–.05 84.17W–.09 35 4.5b,4.0s 171 5-149
IDC VI 11 05 50 15.2–.57 3.32N 84.09W 0 4.3,4.2 **¶13196170**
BJI VI 11 05 50 16.2 3.10N 84.30W 10 5.2b,4.2
NEIC VI 11 05 50 16.4–.24 3.17N 84.24W 10 4.7b,4.2
ISCJB VI 11 05 50 18.7–.29 3.30N–.03 84.22W–.04 33 4.5b,4.0s
CASC VI 11 05 50 18.2–1.7 3.21N 84.11W 34–525 4.7b,4.3
GCMT VI 11 05 50 20.6–.30 3.13N 84.28W 18–1 4.9W,4.3
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=11.4km az=66.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.0km az=224.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.2km az=163.5.
CASC Error ellipse: s-maj=335.4km s-min=19.8km az=-1.0.
GCMT Event type se. Data Used: IU IC II CN G. Moment Tensor Solution. s28,c36; s70,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.00±.13 $M_{\theta\theta}$0.99±.11; $M_{\phi\phi}$0.01±.13; $M_{r\theta}$0.10±.24; $M_{\theta\phi}$2.90±.10; $M_{\phi r}$0.41±.27; Best double couple: NP1:ϕ_s95.00000°,δ80.00000°,λ-4.00000°. NP2:ϕ_s185.00000°,δ86.00000°,λ-170.00000°. Principal axes: T 3.4700,Plg4.0000° ,Azm320.0000°; N -0.9900,Plg80.0000°,Azm205.0000°; P -2.4800,Plg9.0000°,Azm50.0000° M_o3.00000×10^{16}
ISC VI 13 05 36 37.7–2.0 12.9N–.10 88.89W–.05 52–13 3.6b 34 1-138
IDC VI 13 05 36 29.2–2.3 12.84N 88.45W 0 4.0,3.8 **¶13681269**
ISCJB VI 13 05 36 38.0–1.2 13.0N–.10 88.88W–.05 67–6 3.7b,3.8
CASC VI 13 05 36 38.9–1.9 12.98N 88.90W 36–208 4.0L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=47.6km s-min=44.3km az=145.0.
ISCJB Event type ke. Error ellipse: s-maj=20.0km s-min=6.1km az=12.7.
CASC Error ellipse: s-maj=13.0km s-min=4.8km az=-1.0.
ISC VI 25 10 34 27.4–.56 12.77N–.06 88.71W–.05 35 4.3b,3.5s 88 1-148
CASC VI 25 10 34 28.2–3.3 12.74N 88.75W 24–17 4.4L,4.3b **¶13682004**
NEIC VI 25 10 34 33.1–1.4 12.88N 88.43W 89–10 4.4,4.3b
IDC VI 25 10 34 34.0–3.8 13.02N 88.35W 87–31 4.1,3.9b
ISC Event type fe.
CASC Error ellipse: s-maj=13.8km s-min=10.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=16.5km s-min=9.1km az=222.0. Felt [II] at San Salvador.
IDC Error ellipse: s-maj=33.0km s-min=17.1km az=54.0.
CASC VI 26 14 12 05.0–1.3 12.70N 90.02W 20–7 3.8

¶14931699

CASC Error ellipse: s-maj=3.7km s-min=5.0km az=-1.0.

(77) Off coast of Costa Rica.

CASC I 10 23 39 37.6–2.4 7.95N 83.41W 25–12 3.6

¶15649868

CASC Error ellipse: s-maj=14.1km s-min=9.3km az=-1.0.
ISC I 20 22 45 00.8–1.3 9.92N–.05 85.76W–.05 25–8 4.3b,3.8s 106 0-151
ISCJB I 20 22 45 00.4–.59 9.82N–.04 85.83W–.04 43–5 4.3b,3.9s **¶11613368**
CASC I 20 22 45 00.5–1.9 9.86N 85.81W 20–6 4.8W,4.5b
NEIC I 20 22 45 04.8–1.1 10.06N 85.51W 54–8 4.5b,4.5b
IDC I 20 22 45 06.4–1.9 10.88N 85.04W 35–18 4.2,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.3km az=36.3.
CASC Error ellipse: s-maj=4.3km s-min=3.7km az=-1.0. Moment Tensor Solution. NP1: ϕ_s228.11000°,δ85.03000°,λ83.98000°.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=6.9km az=218.0.
IDC Error ellipse: s-maj=34.5km s-min=17.9km az=72.0.
ISC I 25 04 34 08.4–1.6 10.32N–.06 86.35W–.05 3–9 4.4s,4.3b 169 1-151
CASC I 25 04 34 09.4–1.5 10.34N 86.32W 0–6 4.5b,4.3 **¶11617227**
NEIC I 25 04 34 14.9–.96 10.52N 85.99W 49–9 4.5b,4.3
BJI I 25 04 34 14.0 10.50N 86.00W 53 5.4b,4.9s
IDC I 25 04 34 14.6–2.4 11.12N 85.58W 26–19 4.2,3.9
ISC Event type fe.
CASC Error ellipse: s-maj=6.7km s-min=4.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=7.0km az=48.0. Felt at Belen.
IDC Error ellipse: s-maj=44.7km s-min=17.3km az=52.0.
ISC IV 20 23 54 13.3–.74 10.42N–.05 86.24W–.03 17–4 4.6b,4.1s 488 1-151
CASC IV 20 23 54 12.8–3.9 10.46N 86.30W 9–15 4.6b,4.1 **¶12612259**
ISCJB IV 20 23 54 13.0–.28 10.52N–.04 86.21W–.02 21 4.5b,4.1s
IDC IV 20 23 54 13.7–.77 10.78N 85.75W 18–4 4.4,4.3
NEIC IV 20 23 54 18.5–.95 10.63N 85.81W 61–8 4.6b,4.3
BJI IV 20 23 54 27.3 11.20N 86.20W 107 4.9b,4.3
ISC Event type fe.
CASC Error ellipse: s-maj=11.8km s-min=6.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=2.5km az=21.1.
IDC Error ellipse: s-maj=22.2km s-min=11.5km az=54.0.
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=5.7km az=49.0. Felt at Belen, Liberia, Santa Cruz and Tilaran.
ISC IV 21 00 11 30.9–1.7 10.40N–.06 86.17W–.06 26–12 4.2b 260 1-151
UCR IV 21 00 11 19.2 10.26N 86.99W 0 4.1 **¶12935927**
CASC IV 21 00 11 26.0–3.3 10.63N 86.45W 0–53 4.3b,3.8
IDC IV 21 00 11 32.0–3.7 11.19N 85.61W 15–24 4.1,3.9
NEIC IV 21 00 11 35.2–.85 11.08N 85.60W 47–9 4.3b,3.9
ISC Event type se.
CASC Error ellipse: s-maj=54.7km s-min=98.6km az=-1.0.
IDC Error ellipse: s-maj=34.8km s-min=10.4km az=54.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=6.6km az=54.0.
CASC IV 29 15 43 32.8–2.0 10.73N 86.45W 70–43 4.0

¶14682967

CASC Error ellipse: s-maj=27.4km s-min=25.7km az=-1.0.
ISC IV 29 18 21 13.7–1.3 10.9N–.10 86.24W–.09 44–11 3.9b,3.5s 45 1-150
IDC IV 29 18 21 09.5–.76 11.41N 85.81W 0 4.1,3.9 **¶12936395**
ISCJB IV 29 18 21 13.0–.71 10.87N–.10 86.36W–.08 59–6 3.9b,3.3s
CASC IV 29 18 21 12.2–1.9 10.71N 86.46W 52–79 4.1,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=36.4km s-min=15.9km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=20.8km s-min=4.2km az=37.8.
CASC Error ellipse: s-maj=19.4km s-min=18.3km az=-1.0.
IDC V 08 06 18 26.0–30 9.11N 87.56W 0 3.8,3.5

¶16155505

IDC Error ellipse: s-maj=662.4km s-min=137.6km az=9.0.
ISC V 08 15 13 49.5–.68 10.84N–.09 86.46W–.07 31 4.1b 55 1-150
IDC V 08 15 13 45.6–1.6 11.05N 86.12W 0 4.1,3.9 **¶13678562**
NEIC V 08 15 13 49.3–.92 10.83N 86.25W 35 4.5b,3.9
CASC V 08 15 13 49.4–4.6 10.74N 86.52W 16–29 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=32.5km az=33.0.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=17.3km az=74.0.
CASC Error ellipse: s-maj=28.7km s-min=23.2km az=-1.0.
ISC V 31 07 35 27.9–.47 10.56N–.06 86.17W–.07 33 4.2b,3.6s 114 1-151
IDC V 31 07 35 24.3–.84 10.98N 85.68W 0 4.1,4.0 **¶12870897**
BJI V 31 07 35 25.7 10.60N 86.10W 33 5.1b,4.8
ISCJB V 31 07 35 26.6–.49 10.50N–.06 86.34W–.04 33 4.1b,3.8s
CASC V 31 07 35 27.9–2.4 10.58N 86.27W 29–11 4.4b,4.1
NEIC V 31 07 35 28.4–.54 10.63N 86.11W 33 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=17.5km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=3.3km az=32.6.
CASC Error ellipse: s-maj=13.1km s-min=10.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=7.1km az=48.0.
ISC VI 15 05 16 24.6–1.8 10.45N–.06 86.27W–.05 9–10 4.4b,3.7s 75 1-140
ISCJB VI 15 05 16 23.8–1.6 10.48N–.07 86.37W–.03 11–11 4.3b,3.8s **¶13077667**
CASC VI 15 05 16 25.6–1.5 10.43N 86.20W 0–20 4.5b,4.1
NEIC VI 15 05 16 30.5–.88 10.98N 85.67W 35 4.5b,4.1
IDC VI 15 05 16 35.0–6.3 11.21N 85.71W 75–55 4.0,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=4.1km az=3.1.
CASC Error ellipse: s-maj=8.2km s-min=38.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=25.5km s-min=12.6km az=53.0. Felt at Santa Cruz.
IDC Error ellipse: s-maj=42.4km s-min=17.2km az=51.0.

(78) Costa Rica.

CASC I 06 08 29 36.3–1.9 8.36N 83.05W 11–6 3.5

¶15649843

CASC Error ellipse: s-maj=5.4km s-min=4.5km az=-1.0.
CASC I 07 06 53 24.7–1.7 8.75N 83.30W 17–10 3.6

¶15649844

CASC Error ellipse: s-maj=5.4km s-min=4.3km az=-1.0.
ISC I 07 16 00 21.5–.89 10.19N–.04 84.21W–.03 9–6 4.0b,3.9s 78 0-142
ISCJB I 07 16 00 20.7–.53 10.24N–.04 84.14W–.03 12–4 3.8b,3.8s **¶12080655**
IDC I 07 16 00 20.8–1.1 10.36N 84.17W 0 4.1,3.9

CASC I 07 16 00 20.6–2.5 10.21N 84.18W 1–2 4.5b,4.4
NEIC I 07 16 00 21.1–2.1 10.17N 84.19W 7–14 4.5b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.4km az=31.6.
IDC Error ellipse: s-maj=22.7km s-min=10.4km az=168.0.
CASC Error ellipse: s-maj=3.5km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=10.4km az=203.0.
CASC I 07 20 14 10.2–.74 9.02N 83.94W 11–6 3.5
¶15649847

CASC Error ellipse: s-maj=2.8km s-min=3.0km az=-1.0.
ISC I 08 19 21 34.8–.54 10.22N–.02 84.22W–.02 11–2 6.0s,5.5b 2118 0-178
CASC I 08 19 21 30.8–17 10.55N 83.89W 6–37 5.7b,5.1 **¶13962308**
SZGRF I 08 19 21 33.4 10.40N 84.71W 33 6.2s,5.2b
IDC I 08 19 21 33.5–.39 10.46N 84.13W 0 5.9,5.9s
ISCJB I 08 19 21 34.9–.53 10.31N–.02 84.23W–.01 14–3 6.0s,5.5b
BJI I 08 19 21 35.1 10.20N 84.20W 5 6.5s,6.3
NEIC I 08 19 21 35.6–.15 10.17N 84.20W 14 6.1W,6.1W
MOS I 08 19 21 38.2–1.2 10.32N 84.34W 33 6.0s,5.6b
ISC Event type de.
CASC Error ellipse: s-maj=21.7km s-min=17.1km az=-1.0. Moment Tensor Solution. NP1: ϕ_s30.48000°,δ48.44000°,λ30.79000°.
SZGRF Costa Rica.
IDC Error ellipse: s-maj=17.8km s-min=6.6km az=67.0.
ISCJB Event type de. Error ellipse: s-maj=3.7km s-min=1.9km az=25.1.
NEIC Event type de. Error ellipse: s-maj=3.6km s-min=2.3km az=206.0. At least 23 people killed, 100 injured and 17 missing in central Costa Rica. Many of the casualties were caused by landslides. A total of 518 houses destroyed or damaged at Barrio Fatima de Heredia, Barrio Santa Cecilia de Aserri, Cinchona, Dulce Nombre de Alajuela, Infiernillo, Leon XIII, Los Guido, Poasito, Rio Cuarto, Sabana Redonda, Santa Rosa de Poas and Vara Blanca. Roads were damaged in the Cinchona and Vara Blanca areas and bridges were destroyed or damaged at Los Angeles, Rio Cuarto de Grecia and Bajos del Toro. Electricity was disrupted in parts of San Jose. Felt [VII] at Naranjo and [VI] at Alajuela, Asuncion, Cinco Esquinas, Escazu, Grecia, Heredia, Llorente, Mercedes, Sabanilla, San Francisco, San Jose, San Josecito, San Juan, San Pablo, San Rafael, San Vicente and Santa Ana. Felt throughout Costa Rica and in southern and central Nicaragua. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ70.00000°,λ-15.00000°. NP2:ϕ_s135.00000°,δ76.00000°,λ-159.00000°. Principal axes: T Plg4.0000°,Azm272.0000° ; N Plg0.0000°,Azm0.0000°; P Plg24.0000°,Azm4.0000° Moment Tensor Solution. s67 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.43 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$1.89 $M_{r\theta}$-0.08 $M_{\theta\phi}$-0.76 $M_{\phi r}$0.05 Best double couple: NP1:ϕ_s33.00000°,δ87.00000°,λ-1.00000°. NP2:ϕ_s123.00000° ,δ89.00000°,λ-177.00000°. Principal axes: T 2.0600,Plg1.0000°,Azm257.0000° ; N -0.4300,Plg86.0000°,Azm143.0000°; P -1.6300,Plg3.0000°,Azm347.0000° $M_0$1.90000×10^{18} Moment Tensor Solution. $M_0$2.00000×10^{18}
MOS Error ellipse: s-maj=6.8km s-min=4.3km az=98.1.
IDC I 08 19 30 14.5–1.2 10.13N 84.07W 0 4.1,3.9
¶12080774

IDC Error ellipse: s-maj=29.1km s-min=10.6km az=5.0.
ISC I 08 20 04 11.4–1.3 10.29N–.05 84.23W–.04 7–9 3.8b 50 0-151
ISCJB I 08 20 04 09.7–.87 10.36N–.05 84.17W–.04 2–6 3.6b **¶12080779**
IDC I 08 20 04 10.3–1.0 10.33N 84.18W 0 4.0,3.9L
CASC I 08 20 04 10.8–2.2 10.27N 84.23W 1–6 4.1,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=3.5km az=36.8.
IDC Error ellipse: s-maj=25.9km s-min=9.7km az=174.0.
CASC Error ellipse: s-maj=3.6km s-min=3.2km az=-1.0.
CASC I 08 20 31 49.3–6.3 10.12N 84.16W 0–15 4.3
¶15649851

CASC Error ellipse: s-maj=13.5km s-min=11.1km az=-1.0.
CASC I 08 20 55 45.9–1.8 10.15N 84.22W 0–5 4.2
¶15649852

CASC Error ellipse: s-maj=4.5km s-min=3.6km az=-1.0.
CASC I 08 21 25 49.0–2.3 10.20N 84.20W 0–5 3.9
¶15649853

CASC Error ellipse: s-maj=4.9km s-min=5.3km az=-1.0.
CASC I 08 22 07 42.2–2.3 10.16N 84.20W 0–3 4.4L,3.9
¶15649854

CASC Error ellipse: s-maj=4.6km s-min=3.9km az=-1.0.
CASC I 08 22 34 54.3–2.3 10.18N 84.17W 0–3 4.3L,3.9
¶15649856

CASC Error ellipse: s-maj=6.2km s-min=4.2km az=-1.0.
CASC I 08 23 07 26.4–2.4 10.20N 84.26W 0–3 3.9
¶15649857

CASC Error ellipse: s-maj=6.1km s-min=4.6km az=-1.0.
CASC I 09 01 11 21.8–2.5 10.22N 84.23W 0–4 3.8
¶15649858

CASC Error ellipse: s-maj=4.8km s-min=4.4km az=-1.0.
CASC I 09 02 50 01.0–2.2 10.24N 84.23W 4–8 4.0
¶15649860

CASC Error ellipse: s-maj=6.3km s-min=4.4km az=-1.0.
CASC I 09 03 06 23.9–2.6 10.19N 84.25W 0–3 3.9
¶15649861

CASC Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
CASC I 09 04 08 03.6–2.7 10.21N 84.19W 0–4 3.9
¶15649862

CASC Error ellipse: s-maj=4.9km s-min=4.1km az=-1.0.
CASC I 09 05 00 19.5–2.4 10.22N 84.25W 4–3 3.5
¶15649863

CASC Error ellipse: s-maj=4.2km s-min=3.7km az=-1.0.
CASC I 09 06 25 18.9–12 10.17N 84.32W 4–23 3.7
¶15649864

CASC Error ellipse: s-maj=20.7km s-min=16.5km az=-1.0.
ISC I 09 08 21 47.7–1.6 8.8N–.10 83.68W–.07 27–11 3.5b 39 1-71
ISCJB I 09 08 21 45.8–1.4 8.60N–.09 83.79W–.05 23–9 3.5b **¶12080820**
CASC I 09 08 21 46.6–3.6 8.70N 83.73W 13–21 4.8L,4.2
IDC I 09 08 21 46.2–3.3 9.50N 83.25W 0 3.9,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=5.4km az=27.3.
CASC Error ellipse: s-maj=15.1km s-min=7.4km az=-1.0.
IDC Error ellipse: s-maj=78.4km s-min=29.6km az=6.0.
CASC I 09 08 44 21.1–2.5 8.64N 83.74W 12–17 4.0
¶15649865

CASC Error ellipse: s-maj=8.0km s-min=5.8km az=-1.0.
IDC I 09 12 14 07.2–3.7 10.62N 84.22W 0 3.7,3.6s
¶12080834

IDC Error ellipse: s-maj=72.9km s-min=18.8km az=133.0.
CASC I 12 13 49 17.2–2.3 9.99N 83.17W 9–27 3.5
¶15649871

CASC Error ellipse: s-maj=14.3km s-min=8.8km az=-1.0.
CASC I 13 02 23 28.9–2.0 10.21N 84.23W 6–4 4.2
NEIC I 13 02 23 28.5 10.22N 84.23W 5 4.2L,4.1 **¶13989107**
CASC Error ellipse: s-maj=4.5km s-min=3.8km az=-1.0.
NEIC Event type fe. Felt [IV] at Vara Blanca. Also felt at Alajuela, Heredia, Miramar, San Jose and Rio Cuarto. After UCR.
ISC I 13 03 37 40.4–1.2 10.32N–.04 84.26W–.03 9–8 3.3b 59 0-69
ISCJB I 13 03 37 39.6–.73 10.40N–.04 84.20W–.03 8–5 3.3b **¶12081165**
NEIC I 13 03 37 39.7 10.30N 84.20W 0 4.5L,4.0
IDC I 13 03 37 40.2–2.1 10.46N 84.27W 0 3.8,3.6
CASC I 13 03 37 40.0–2.1 10.29N 84.29W 0–3 4.4,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=3.5km az=26.7.
NEIC Event type fe. Felt [IV] at Rio Cuarto and San Miguel. Also felt at Alajuela, Heredia, Quesada, San Jose and San Ramon. After UCR.
IDC Error ellipse: s-maj=35.3km s-min=10.8km az=150.0.
CASC Error ellipse: s-maj=4.9km s-min=3.8km az=-1.0.
CASC I 13 21 36 11.7–2.0 10.34N 84.26W 2–6 4.0
¶15649875

CASC Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
ISC I 15 20 05 47.9–1.3 10.26N–.05 84.10W–.04 9–10 3.9b 29 0-76
ISCJB I 15 20 05 46.5–1.1 10.37N–.04 84.04W–.04 3–7 3.8b **¶12081359**
IDC I 15 20 05 46.2–3.1 10.12N 84.08W 0 5.2s,5.2

CASC I 15 20 05 47.4–2.3 10.28N 84.12W 0–6 4.3,5.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.8km az=33.2.
IDC Error ellipse: s-maj=69.2km s-min=11.7km az=179.0.
CASC Error ellipse: s-maj=5.1km s-min=4.9km az=-1.0.
CASC I 15 20 11 00.7–2.1 10.25N 84.14W 1–4 3.8
¶15649878

CASC Error ellipse: s-maj=4.0km s-min=3.1km az=-1.0.
ISC I 15 22 18 21.6–.55 10.33N–.06 84.12W–.04 10 3.7b 39 0-87
ISCJB I 15 22 18 20.7–.38 10.37N–.05 84.05W–.03 10 3.7b **¶12081383**
IDC I 15 22 18 20.6–.83 10.38N 84.12W 0 4.1,4.0
CASC I 15 22 18 21.1–2.3 10.29N 84.15W 0–4 4.3,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.4km az=27.6.
IDC Error ellipse: s-maj=22.2km s-min=9.6km az=171.0.
CASC Error ellipse: s-maj=5.2km s-min=4.3km az=-1.0.
CASC I 15 22 22 38.0–2.1 10.27N 84.15W 1–5 4.2
¶15649879

CASC Error ellipse: s-maj=4.0km s-min=3.6km az=-1.0.
CASC I 16 03 35 09.0–3.2 10.19N 84.17W 1–5 3.6
¶15649880

CASC Error ellipse: s-maj=5.2km s-min=5.0km az=-1.0.
CASC I 16 09 46 28.7–2.0 10.32N 84.21W 0–6 3.8
¶15649881

CASC Error ellipse: s-maj=3.8km s-min=3.8km az=-1.0.
CASC I 16 11 48 17.1–2.4 10.22N 84.14W 0–4 4.2
¶15649882

CASC Error ellipse: s-maj=4.3km s-min=3.6km az=-1.0.
CASC I 18 11 57 49.9–2.4 10.26N 84.12W 1–7 3.8
¶15649887

CASC Error ellipse: s-maj=5.3km s-min=4.9km az=-1.0.
CASC I 19 02 18 40.5–2.3 10.25N 84.09W 0–4 3.7
¶15649888

CASC Error ellipse: s-maj=4.1km s-min=3.3km az=-1.0.
CASC I 19 11 58 12.0–2.2 9.46N 84.09W 33–5 3.7
¶15649889

CASC Error ellipse: s-maj=4.8km s-min=4.8km az=-1.0.
CASC I 21 03 48 42.2–1.7 9.12N 83.96W 12–13 3.7L,3.7
¶15649893

CASC Error ellipse: s-maj=4.6km s-min=5.6km az=-1.0.
CASC I 21 06 46 29.1–2.0 9.57N 83.95W 6–11 3.7L,3.4
¶15649894

CASC Error ellipse: s-maj=3.7km s-min=4.0km az=-1.0.
CASC I 28 07 59 36.3–3.2 9.42N 83.18W 8–21 3.9
¶15649899

CASC Error ellipse: s-maj=11.9km s-min=11.0km az=-1.0.
CASC I 30 05 10 11.3–2.6 9.13N 84.13W 28–30 3.6
¶15649906

CASC Error ellipse: s-maj=19.5km s-min=17.1km az=-1.0.
CASC II 02 09 23 27.6–2.8 9.51N 83.34W 3–12 3.7
¶14358725

CASC Error ellipse: s-maj=7.8km s-min=7.4km az=-1.0.
CASC II 02 15 16 09.4–2.3 8.19N 83.40W 6–45 4.1
¶14358726

CASC Error ellipse: s-maj=35.9km s-min=9.6km az=-1.0.
IDC II 05 03 42 12.7–13 9.24N 83.43W 0 3.9,3.6
¶15955055

IDC Error ellipse: s-maj=306.2km s-min=91.3km az=2.0.
ISC II 08 09 21 36.6–.68 10.26N–.06 84.26W–.05 10 3.9b,3.5s 32 0-141
IDC II 08 09 21 30.6–4.9 9.65N 84.10W 0 4.0,3.7 **¶12699774**
NEIC II 08 09 21 35.3–1.6 9.62N 83.88W 35 4.3b,3.7
ISCJB II 08 09 21 36.2–.50 10.39N–.05 84.14W–.04 10 3.8b,3.5s
CASC II 08 09 21 36.4–1.4 10.30N 84.24W 0–5 4.3,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=97.7km s-min=61.8km az=145.0.
NEIC Event type fe. Error ellipse: s-maj=34.8km s-min=28.0km az=64.0. Felt at Cariblanco, Rio Cuarto, San Carlos, San Miguel and Venecia.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.5km az=38.0.
CASC Error ellipse: s-maj=5.9km s-min=6.1km az=-1.0.
CASC II 16 20 50 06.9–2.1 8.12N 83.44W 5–17 3.9
¶14359167

CASC Error ellipse: s-maj=18.2km s-min=5.4km az=-1.0.
CASC III 07 02 28 43.1–2.2 8.74N 83.59W 17–15 3.5
¶14608057

CASC Error ellipse: s-maj=10.4km s-min=6.0km az=-1.0.
ISC III 11 17 24 37.3–.45 8.50N–.03 83.22W–.03 18–1 5.8b,5.6s 1582 0-176
SZGRF III 11 17 24 31.1 7.92N 84.67W 26 6.1b,5.9s **¶14269655**
IDC III 11 17 24 34.4–.36 8.62N 83.28W 0 5.6,5.6s
ISCJB III 11 17 24 37.0–.15 8.65N–.03 83.19W–.01 23 5.7b,5.6s
NEIC III 11 17 24 36.6–.17 8.50N 83.22W 14 5.9W,5.8b
CASC III 11 17 24 37.6–3.2 8.76N 83.09W 0–8 5.8b,5.2
MOS III 11 17 24 38.3–.88 8.61N 83.19W 33 6.1b,5.5s
BGS III 11 17 24 40.8–2.0 9.61N 82.96W 14 5.6s,5.4b
GCMT III 11 17 24 42.9–.10 8.55N 83.18W 19–0 5.9W,5.4b
ISC Event type fe.
SZGRF Off coast of Costa Rica.
IDC Error ellipse: s-maj=11.3km s-min=8.1km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.6km az=21.4.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.4km az=202.0. Felt [VI] at San Vito; [V] at Golfito, Puerto Jimenez and Rio Claro; [IV] at Alajuela, Almirante, Jaco, Sabanilla, San Antonio and San Isidro. Felt in much of Costa Rica and in western Panama. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s115.00000° ,δ75.00000°,λ90.00000°. NP2:ϕ_s295.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm25.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm205.0000° Moment Tensor Solution. s79 Moment tensor: Scale 10^{17}Nm; M_{rr}4.10 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$-1.89 $M_{r\theta}$2.20 $M_{\theta\phi}$1.00 $M_{\phi r}$-1.62 Best double couple: NP1:ϕ_s311.00000°,δ26.00000°,λ93.00000°. NP2:ϕ_s128.00000°,δ64.00000°,λ89.00000°. Principal axes: T 5.0300,Plg71.0000° ,Azm34.0000°; N -1.0400,Plg1.0000°,Azm128.0000°; P -3.9800,Plg18.0000°,Azm219.0000° $M_0$4.60000×10^{17}
CASC Error ellipse: s-maj=10.1km s-min=6.1km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=4.0km az=90.3.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: ll IU CN IC G. Surface waves: sta=118, comp=263, per= 50. Moment Tensor Solution. s110,c249; s82,c105; Moment tensor: Scale 10^{17}Nm; M_{rr}6.89±.07 $M_{\theta\theta}$-6.36±.06; $M_{\phi\phi}$-0.53±.06; $M_{r\theta}$5.32±.15; $M_{\theta\phi}$3.08±.04; $M_{\phi r}$-2.65±.15; Best double couple: NP1:ϕ_s291.00000°,δ25.00000°,λ86.00000°. NP2:ϕ_s115.00000°,δ65.00000°,λ92.00000°. Principal axes: T 9.0100,Plg70.0000°,Azm30.0000°; N 0.7900,Plg2.0000°,Azm295.0000° ; P -9.8000,Plg20.0000°,Azm204.0000° $M_0$9.40000×10^{17}
ISC III 11 17 26 53.2–1.1 8.65N–.06 83.10W–.05 16–6 5.0b 145 0-153
IDC III 11 17 26 50.8–.70 8.72N 83.05W 0 4.8,4.7b **¶12085976**
ISCJB III 11 17 26 52.8–.83 8.55N–.05 83.13W–.04 24–5 4.9b,4.7b
NEIC III 11 17 26 52.4–.28 8.62N 83.09W 10 5.3b,4.7b
CASC III 11 17 26 53.4–1.9 8.64N 83.20W 14–11 5.3b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=12.9km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.4km az=28.4.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.9km az=56.0.
CASC Error ellipse: s-maj=9.3km s-min=3.6km az=-1.0.
CASC III 11 17 47 17.9–2.9 8.57N 83.17W 10–11 3.6
¶14608204

CASC Error ellipse: s-maj=17.6km s-min=6.1km az=-1.0.
ISC III 11 17 52 58.2–1.1 8.75N–.05 83.07W–.03 18–4 3.7b 33 0-142
CASC III 11 17 52 57.9–3.9 8.56N 83.12W 22–10 4.1 **¶12702995**
IDC III 11 17 52 58.1–3.7 9.40N 82.81W 0 4.0,3.7
ISC Event type ke.
CASC Error ellipse: s-maj=20.4km s-min=8.4km az=-1.0.
IDC Error ellipse: s-maj=88.7km s-min=36.4km az=6.0.
CASC III 11 19 16 52.6–4.7 8.65N 83.14W 50–33 3.5
UCR III 11 19 16 47.9 8.89N 83.04W 28 3.4 **¶14608207**
UPA III 11 19 16 51.7 8.54N 83.18W 15 3.4

CASC Error ellipse: s-maj=27.0km s-min=11.5km az=-1.0.
ISC III 11 20 05 57.8–1.4 8.7N–.10 83.1W–.20 10 3.4b 18 0-71
CASC III 11 20 05 59.5–3.1 8.70N 83.19W 1–17 3.9 ¶12703007
IDC III 11 20 06 01.3–17 9.84N 82.60W 0 3.8,3.5
ISC Event type ke.
CASC Error ellipse: s-maj=19.6km s-min=37.4km az=-1.0.
IDC Error ellipse: s-maj=380.5km s-min=137.2km az=174.0.
ISC III 11 21 03 59.0–.52 8.49N–.03 83.25W–.02 15–2 5.7b,5.6s 1600 0-176
IDC III 11 21 03 56.2–.35 8.66N 83.05W 0 5.5,5.5 ¶14260549
BJI III 11 21 03 57.1 8.50N 83.20W 10 6.2s,5.9b
ISCJB III 11 21 03 58.2–.14 8.60N–.02 83.22W–.01 18 5.6s,5.6b
NEIC III 11 21 03 59.0–.16 8.49N 83.21W 17 5.8W,5.7b
CASC III 11 21 03 59.3–3.5 8.59N 83.18W 4–8 5.7b,4.9L
MOS III 11 21 04 00.7–.91 8.67N 83.17W 33 5.9b,5.7s
GCMT III 11 21 04 04.0–.10 8.52N 83.22W 22–0 5.9W,5.7s
SZGRF III 11 21 04 04.1 8.77N 82.00W 20 6.0s,5.7b
ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=8.9km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=1.7km az=22.5.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.5km az=203.0. Felt [IV] at Golfito, Quepos and San Vito; [III] at Cartago, Escazu, Heredia, Palmar, Puerto Cortes, San Francisco, San Jose, and Santa Ana; [II] at Alajuela, Atenas, Jaco, San Pedro, San Rafael and San Ramon. Also felt at Angeles, Asuncion, Buenos Aires, Cahuita, Calle Blancos, Colima, Curridabat, Grecia, Mercedes, Orosi, Palmares, Paraiso, Quesada, San Antonio, San Isidro, Santo Domingo and Turrialba. Felt [III] at Almirante and David; [II] at Bocas del Toro, Boquete and Volcan, Panama. Also felt at Ancon, Cerro Punta, Changuinola, Chiriqui, Panama, Potrerillos Abajo, Potrerillos Arriba, Puerto Armuelles, Rio Hato and San Carlos. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s305.00000°,δ60.00000° ,λ90.00000°. NP2:ϕ_s125.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000° ,Azm215.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm35.0000° Moment Tensor Solution. s90 Moment tensor: Scale 10^{17}Nm; M_{rr}3.93 $M_{\theta\theta}$-1.33 $M_{\phi\phi}$-2.60 $M_{r\theta}$-1.75 $M_{\theta\phi}$1.87 $M_{\phi r}$1.00 Best double couple: NP1:ϕ_s314.00000°,δ58.00000°,λ79.00000°. NP2:ϕ_s155.00000° ,δ33.00000°,λ108.00000°. Principal axes: T 4.4900,Plg73.0000°,Azm193.0000° ; N -0.1300,Plg9.0000°,Azm319.0000°; P -4.3500,Plg12.0000°,Azm51.0000° M_o4.40000×10^{17}
CASC Error ellipse: s-maj=11.9km s-min=4.2km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=92.5.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=239, per= 50. Moment Tensor Solution. s108,c232; s79,c100; Moment tensor: Scale 10^{17}Nm; M_{rr}7.18±.07 $M_{\theta\theta}$-3.81±.06; $M_{\phi\phi}$-3.37±.07; $M_{r\theta}$-2.26±.11; $M_{\theta\phi}$4.24±.05; $M_{\phi r}$-0.91±.12; Best double couple: NP1:ϕ_s150.00000°,δ44.00000°,λ115.00000°. NP2:ϕ_s297.00000°,δ51.00000°,λ68.00000°. Principal axes: T 7.9200,Plg73.0000°,Azm145.0000°; N -0.0200,Plg17.0000°,Azm311.0000° ; P -7.9100,Plg4.0000°,Azm42.0000° M_o7.90000×10^{17}
SZGRF Panama-Costa Rica border region.
ISC III 11 21 35 52.3–1.6 8.50N–.09 83.20W–.04 16–8 3.9b 49 0-142
NEIC III 11 21 35 49.7–.77 8.36N 83.38W 10 3.9b ¶12703014
IDC III 11 21 35 49.6–.95 8.58N 83.16W 0 4.2L,4.1
ISCJB III 11 21 35 51.1–1.3 8.37N–.07 83.21W–.05 22–9 3.9b,4.1
CASC III 11 21 35 53.8–3.0 8.65N 83.17W 10–10 3.9b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=10.7km az=224.0.
IDC Error ellipse: s-maj=36.7km s-min=13.4km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=5.3km az=35.9.
CASC Error ellipse: s-maj=16.5km s-min=5.3km az=-1.0.
CASC III 11 22 06 55.7–1.4 8.58N 83.32W 1–14 3.8
¶14608210
CASC Error ellipse: s-maj=12.8km s-min=8.7km az=-1.0.
CASC III 11 22 30 20.2–.94 8.59N 83.27W 3–14 3.7
¶14608211
CASC Error ellipse: s-maj=18.0km s-min=12.6km az=-1.0.
CASC III 11 22 45 56.2–1.2 8.72N 83.21W 2–10 3.7
¶14608212
CASC Error ellipse: s-maj=6.8km s-min=7.6km az=-1.0.
CASC III 11 23 17 38.3–1.4 8.63N 83.27W 1–10 3.8
¶14608213
CASC Error ellipse: s-maj=16.3km s-min=5.5km az=-1.0.
CASC III 12 00 40 30.8–1.3 8.69N 83.28W 0–5 3.8
¶14608252
CASC Error ellipse: s-maj=8.3km s-min=5.0km az=-1.0.
CASC III 12 01 03 31.4–.99 8.58N 83.26W 4–8 4.0
¶14608253
CASC Error ellipse: s-maj=8.3km s-min=7.4km az=-1.0.
CASC III 12 02 05 20.4–1.6 8.62N 83.26W 0–11 3.7
¶14608254
CASC Error ellipse: s-maj=18.6km s-min=6.9km az=-1.0.
CASC III 12 02 32 12.2–1.4 8.59N 83.18W 13–6 4.0
¶14608255
CASC Error ellipse: s-maj=8.9km s-min=7.0km az=-1.0.
CASC III 12 03 19 23.9–1.5 8.60N 83.30W 0–9 4.0
¶14608256
CASC Error ellipse: s-maj=15.4km s-min=5.6km az=-1.0.
CASC III 12 03 31 37.0–3.0 8.68N 83.20W 0–14 3.9
¶14608257
CASC Error ellipse: s-maj=18.9km s-min=14.6km az=-1.0.
CASC III 12 03 53 29.4–4.0 8.72N 83.25W 1–16 4.0
¶14608258
CASC Error ellipse: s-maj=22.3km s-min=19.5km az=-1.0.
ISC III 12 04 03 03.7–2.1 8.83N–.08 83.1W–.10 3–12 3.5b 22 0-71
CASC III 12 04 03 04.9–3.3 8.74N 83.25W 0–11 4.1 ¶12703045
IDC III 12 04 03 07.6–6.1 9.73N 82.89W 0 3.9,3.6L
ISC Event type ke.
CASC Error ellipse: s-maj=16.7km s-min=16.3km az=-1.0.
IDC Error ellipse: s-maj=149.1km s-min=21.1km az=3.0.
CASC III 12 04 40 27.5–1.1 8.65N 83.27W 0–25 3.6
¶14608259
CASC Error ellipse: s-maj=53.0km s-min=16.6km az=-1.0.
CASC III 12 07 43 34.0–1.1 8.60N 83.29W 8–12 3.6
¶14608260
CASC Error ellipse: s-maj=12.5km s-min=6.8km az=-1.0.
CASC III 12 07 47 59.1–1.7 8.64N 83.31W 0–5 3.9
¶14608261
CASC Error ellipse: s-maj=3.6km s-min=6.6km az=-1.0.
CASC III 12 13 57 59.5–4.3 8.71N 83.24W 0–15 4.1
¶14608262
CASC Error ellipse: s-maj=8.0km s-min=20.2km az=-1.0.
CASC III 12 14 33 17.5–2.8 8.59N 83.07W 20–9 4.0
¶14608263
CASC Error ellipse: s-maj=27.7km s-min=24.5km az=-1.0.
CASC III 12 16 30 14.3–3.3 8.66N 83.28W 0–12 3.8
¶14608264
CASC Error ellipse: s-maj=6.3km s-min=13.2km az=-1.0.
CASC III 13 01 00 35.1–2.8 8.65N 83.11W 22–9 3.8
¶14608315
CASC Error ellipse: s-maj=16.5km s-min=5.1km az=-1.0.
CASC III 13 03 53 17.5–2.8 8.52N 83.11W 0–7 4.1
¶14608316
CASC Error ellipse: s-maj=11.1km s-min=4.2km az=-1.0.
ISC III 13 06 11 13.7–1.9 8.6N–.10 83.35W–.05 11–9 3.8b 34 0-142
ISCJB III 13 06 11 12.3–1.3 8.41N–.07 83.33W–.03 14–7 3.6b,3.2s ¶12703145
IDC III 13 06 11 12.1–2.0 8.64N 83.31W 0 4.2L,4.0
CASC III 13 06 11 16.0–4.3 8.96N 83.16W 0–10 4.2,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=5.0km az=10.2.
IDC Error ellipse: s-maj=68.8km s-min=15.5km az=34.0.
CASC Error ellipse: s-maj=18.0km s-min=9.4km az=-1.0.
ISC III 13 16 54 31.1–.65 8.55N–.04 83.14W–.03 17–3 4.9b,4.1s 591 0-153
IDC III 13 16 54 28.5–.47 8.60N 83.12W 0 4.7,4.7 ¶11882794
ISCJB III 13 16 54 28.7–.22 8.60N–.04 83.07W–.03 10 4.8b,4.2s
NEIC III 13 16 54 31.3–.78 8.55N 83.12W 19–4 5.0b,4.5
CASC III 13 16 54 31.1–3.4 8.62N 83.13W 1–6 5.0b,4.5
BJI III 13 16 54 31.3 8.70N 83.20W 13 5.2s,5.2b
MOS III 13 16 54 32.2–.95 8.66N 83.05W 33 5.2b,5.2b
GCMT III 13 16 54 37.5–.30 8.62N 83.04W 24–1 4.9W,5.2b
SZGRF III 13 16 54 40.8 10.13N 82.77W 33 4.9b,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=20.7km s-min=10.8km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=2.9km az=29.9.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.8km az=223.0. Felt at Golfito and San Vito.
CASC Error ellipse: s-maj=8.0km s-min=3.4km az=-1.0.
MOS Error ellipse: s-maj=9.3km s-min=6.0km az=101.7.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s30,c34; s66,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}2.41±.19 $M_{\theta\theta}$-2.46±.12; $M_{\phi\phi}$0.05±.14; $M_{r\theta}$0.33±.13; $M_{\theta\phi}$1.14±.08; $M_{\phi r}$0.52±.20; Best double couple: NP1:ϕ_s307.00000°,δ46.00000°,λ113.00000°. NP2:ϕ_s96.00000°,δ48.00000°,λ68.00000°. Principal axes: T 2.5900,Plg74.0000° ,Azm295.0000°; N 0.3200,Plg16.0000°,Azm111.0000°; P -2.9000,Plg1.0000°,Azm201.0000° M_o2.70000×10^{16}
SZGRF North of Panama.
ISC III 13 17 33 11.7–.34 8.58N–.04 83.19W–.03 21–3 5.0b,4.6s 637 0-155
SZGRF III 13 17 33 07.7 9.04N 85.70W 33 5.1b,5.0s ¶11882795
BJI III 13 17 33 08.2 8.50N 83.30W 10 5.6b,5.5s
IDC III 13 17 33 08.4–.39 8.58N 83.16W 0 4.8,4.8
CASC III 13 17 33 11.4–2.5 8.53N 83.20W 8–8 5.1b,4.6
NEIC III 13 17 33 12.6–.68 8.58N 83.17W 29–4 5.1b,4.5
MOS III 13 17 33 12.1–1.0 8.63N 83.13W 33 5.3b,4.5
ISCJB III 13 17 33 13.0–.39 8.62N–.03 83.14W–.02 42–3 4.9b,4.6s
GCMT III 13 17 33 16.0–.30 8.58N 83.20W 26–0 5.1W,4.6s
ISC Event type fe.
SZGRF Off coast of Costa Rica.
IDC Error ellipse: s-maj=17.6km s-min=9.7km az=61.0.
CASC Error ellipse: s-maj=11.8km s-min=4.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.5km az=49.0. Felt [IV] at San Vito and [II] at San Jose. Also felt at Canoas, Golfito, Grecia, Llorente, Quepos and Santa Ana. Felt at Boquete and Puerto Armuelles, Panama.
MOS Error ellipse: s-maj=8.2km s-min=5.5km az=93.2.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.9km az=23.0.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s50,c64; s77,c108; Moment tensor: Scale 10^{16}Nm; M_{rr}3.35±.16 $M_{\theta\theta}$-0.68±.11; $M_{\phi\phi}$-2.66±.15; $M_{r\theta}$-3.28±.25; $M_{\theta\phi}$2.33±.09; $M_{\phi r}$1.20±.24; Best double couple: NP1:ϕ_s171.00000°,δ32.00000°,λ134.00000°. NP2:ϕ_s303.00000°,δ68.00000°,λ67.00000°. Principal axes: T 5.1900,Plg61.0000° ,Azm178.0000°; N 0.0300,Plg21.0000°,Azm312.0000°; P -5.2100,Plg20.0000°,Azm50.0000° M_o5.20000×10^{16}
CASC III 13 19 08 00.3–4.1 8.78N 83.18W 20–16 3.8
UCR III 13 19 07 55.1 8.70N 83.32W 28 3.7 ¶14608317
UPA III 13 19 07 58.3 9.12N 83.13W 9 4.6W,3.8
CASC Error ellipse: s-maj=13.4km s-min=6.9km az=-1.0.
CASC III 13 21 23 36.2–4.3 8.57N 83.15W 0–10 4.0
¶14608318
CASC Error ellipse: s-maj=16.1km s-min=6.7km az=-1.0.
CASC III 14 09 36 31.4–2.2 8.69N 83.08W 9–9 3.7
¶14608334
CASC Error ellipse: s-maj=12.5km s-min=2.9km az=-1.0.
CASC III 15 18 47 54.7–2.0 8.97N 83.05W 20–9 3.6
¶14608352
CASC Error ellipse: s-maj=5.9km s-min=3.2km az=-1.0.
CASC III 22 14 10 43.9–3.1 9.25N 83.62W 13–20 3.6
¶14609351
CASC Error ellipse: s-maj=14.7km s-min=9.9km az=-1.0.
CASC III 25 06 55 20.4–2.1 9.58N 84.62W 0–5 3.6
¶14609842
CASC Error ellipse: s-maj=5.2km s-min=5.9km az=-1.0.
CASC IV 04 07 19 54.4–1.3 9.54N 83.96W 60–4 3.5
¶14682577
CASC Error ellipse: s-maj=3.9km s-min=3.5km az=-1.0.
CASC IV 16 01 09 43.8–7.9 10.42N 84.48W 75–39 3.5
¶14682858
CASC Error ellipse: s-maj=28.9km s-min=23.3km az=-1.0.
ISC IV 22 00 55 10.6–1.3 9.55N–.05 84.37W–.04 13–7 4.3b,3.7s 179 0-128
IDC IV 22 00 55 08.8–.61 9.70N 84.31W 0 4.2,4.2 ¶12742295
CASC IV 22 00 55 09.1–12 9.29N 84.86W 0–30 4.5b,4.2
NEIC IV 22 00 55 14.8–.73 9.65N 84.37W 39–7 4.5b,4.2
ISC Event type fe.
IDC Error ellipse: s-maj=23.1km s-min=11.0km az=46.0.
CASC Error ellipse: s-maj=32.0km s-min=35.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=13.6km s-min=6.4km az=49.0. Felt at Jaco, Parrita and San Ramon.
CASC IV 22 20 13 44.9–5.4 8.74N 83.17W 12–15 3.5
¶14682912
CASC Error ellipse: s-maj=12.9km s-min=6.8km az=-1.0.
IDC IV 24 23 57 28.3–4.1 10.22N 85.64W 0 3.9,3.8
¶16153355
IDC Error ellipse: s-maj=85.4km s-min=42.0km az=178.0.
CASC V 04 22 26 42.4–2.8 8.55N 83.20W 6–21 4.2
¶14772017
CASC Error ellipse: s-maj=13.6km s-min=32.3km az=-1.0.
CASC V 08 00 52 01.7–2.6 8.87N 83.39W 6–17 3.6
¶14772044
CASC Error ellipse: s-maj=12.3km s-min=8.9km az=-1.0.
CASC V 13 07 22 14.8–2.5 9.39N 83.87W 6–9 3.7
¶14772074
CASC Error ellipse: s-maj=4.6km s-min=4.2km az=-1.0.
ISC V 16 06 57 54.0–.97 9.64N–.07 83.53W–.05 12 3.2b 13 0-57
NEIC V 16 06 57 56.1 9.40N 83.85W 5 4.4 ¶13679042
IDC V 16 06 57 58.9–4.5 10.29N 82.40W 0 3.8,3.5
ISC Event type fe.
NEIC Event type fe. Felt [II] at Dominical. After CASC.
IDC Error ellipse: s-maj=132.3km s-min=88.0km az=39.0.
CASC VI 01 00 32 04.7–2.5 9.91N 83.88W 5–7 3.7
¶14931171
CASC Error ellipse: s-maj=6.2km s-min=5.5km az=-1.0.
CASC VI 05 10 22 44.2–1.9 10.84N 85.22W 208–7 3.9
¶14931272
CASC Error ellipse: s-maj=11.6km s-min=9.2km az=-1.0.
CASC VI 22 01 44 08.7–3.1 8.12N 83.31W 23–18 3.8
¶14931597
CASC Error ellipse: s-maj=15.8km s-min=13.6km az=-1.0.

(79) North of Panama.

IDC I 26 05 19 33.0–2.2 11.02N 79.47W 0 3.9,3.6
¶12082355
IDC Error ellipse: s-maj=59.5km s-min=31.8km az=11.0.
CASC II 09 18 27 27.6–2.2 11.86N 82.91W 28–72 4.0
¶14358957
CASC Error ellipse: s-maj=35.4km s-min=33.1km az=-1.0.

(80) Panama-Costa Rica border region.

CASC I 01 07 17 59.3–2.3 8.98N 82.80W 20–11 3.8
¶15649826
CASC Error ellipse: s-maj=5.4km s-min=4.5km az=-1.0.
CASC I 02 06 18 02.5–1.3 8.36N 82.82W 28–3 3.6
UCR I 02 06 18 00.7 8.31N 82.74W 21 3.6 ¶15649828
UPA I 02 06 18 02.5 8.35N 82.79W 26 3.7
CASC Error ellipse: s-maj=4.0km s-min=3.9km az=-1.0.
CASC I 02 11 53 46.4–6.2 9.61N 82.60W 10–86 3.7
¶15649830
CASC Error ellipse: s-maj=38.5km s-min=44.5km az=-1.0.
CASC I 05 04 16 23.7–1.6 8.39N 82.89W 0–4 3.9W,3.4
¶15649835
CASC Error ellipse: s-maj=2.8km s-min=3.6km az=-1.0.
CASC I 05 14 43 07.7–1.8 8.36N 82.86W 17–9 4.1W,3.5
¶15649837

CASC Error ellipse: s-maj=4.9km s-min=5.2km az=-1.0.
CASC I 06 05 08 47.9–2.6 8.40N 82.80W 34–8 3.0
¶15649840

CASC Error ellipse: s-maj=8.0km s-min=8.4km az=-1.0.
ISC I 08 21 15 49.0–1.4 8.48N–.08 82.87W–.04 31–9 3.9b 44 0-153
CASC I 08 21 15 46.2–4.8 8.27N 82.78W 20–25 4.7L,4.4b **¶12080782**
IDC I 08 21 15 46.2–2.6 8.86N 82.79W 0 4.2,4.0
ISCJB I 08 21 15 48.3–.55 8.41N–.06 82.84W–.05 45–6 3.8b,3.7s
NEIC I 08 21 15 51.1–2.8 8.94N 82.80W 29–22 4.4b,3.7s
ISC Event type se.
CASC Error ellipse: s-maj=24.0km s-min=20.3km az=-1.0.
IDC Error ellipse: s-maj=84.8km s-min=17.9km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=5.8km az=37.1.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=9.5km az=214.0.
CASC I 10 03 23 48.3–2.5 8.37N 82.96W 7–11 4.0
¶15649866

CASC Error ellipse: s-maj=5.3km s-min=5.4km az=-1.0.
CASC I 10 19 52 34.7–2.3 8.29N 82.41W 11–40 3.5
¶15649867

CASC Error ellipse: s-maj=14.0km s-min=22.1km az=-1.0.
CASC I 13 18 30 30.6–2.5 8.36N 82.87W 18–12 3.6
¶15649873

CASC Error ellipse: s-maj=7.4km s-min=8.4km az=-1.0.
CASC I 19 12 13 34.7–2.2 8.97N 82.86W 13–452 3.5
¶15649890

CASC Error ellipse: s-maj=5.8km s-min=5.8km az=-1.0.
CASC I 20 23 11 38.5–2.0 8.33N 82.87W 8–8 4.1L,3.7
¶15649892

CASC Error ellipse: s-maj=7.9km s-min=4.0km az=-1.0.
CASC I 28 13 08 31.6–2.1 8.93N 82.86W 14–7 4.2L,4.0
¶15649900

CASC Error ellipse: s-maj=4.2km s-min=3.1km az=-1.0.
CASC I 29 03 13 56.0–2.3 8.92N 82.80W 13–7 3.5
¶15649904

CASC Error ellipse: s-maj=5.7km s-min=5.4km az=-1.0.
CASC I 30 02 49 58.6–2.5 8.94N 82.83W 15–11 3.5
¶15649905

CASC Error ellipse: s-maj=6.8km s-min=6.1km az=-1.0.
CASC II 01 22 23 40.6–2.5 8.91N 82.85W 13–16 3.5
¶14358695

CASC Error ellipse: s-maj=7.0km s-min=5.4km az=-1.0.
CASC II 14 11 47 45.4–2.4 8.36N 82.82W 10–13 3.7
¶14359114

CASC Error ellipse: s-maj=8.3km s-min=5.6km az=-1.0.
CASC III 04 07 27 53.1–1.8 8.36N 82.97W 10–7 3.5
¶14607947

CASC Error ellipse: s-maj=9.2km s-min=3.8km az=-1.0.
CASC III 04 09 29 28.9–2.5 8.22N 82.83W 21–12 3.9
¶14607948

CASC Error ellipse: s-maj=12.5km s-min=5.3km az=-1.0.
CASC III 06 10 34 22.9–2.4 8.94N 82.87W 13–14 3.5
¶14608037

CASC Error ellipse: s-maj=7.4km s-min=4.6km az=-1.0.
CASC III 10 11 23 07.1–1.2 9.28N 82.73W 10–9 3.5
¶14608159

CASC Error ellipse: s-maj=5.7km s-min=6.3km az=-1.0.
CASC III 11 21 13 23.1–1.6 8.79N 82.97W 0–22 4.0
¶14608209

CASC Error ellipse: s-maj=17.8km s-min=41.3km az=-1.0.
CASC III 20 10 40 37.1–3.3 9.32N 82.73W 6–16 4.3
¶14608869

CASC Error ellipse: s-maj=8.7km s-min=13.5km az=-1.0.
CASC III 27 08 36 38.7–5.8 8.32N 82.93W 10–23 4.0
¶14609927

CASC Error ellipse: s-maj=28.9km s-min=10.5km az=-1.0.
CASC IV 02 05 30 19.4–1.5 8.88N 82.87W 13–19 3.4
UPA IV 02 05 30 18.9 8.89N 82.86W 15 3.7W **¶14682529**
UCR IV 02 05 30 19.2 8.91N 82.90W 7 3.4
CASC Error ellipse: s-maj=12.7km s-min=3.8km az=-1.0.
CASC IV 02 13 47 29.0–1.9 8.67N 82.83W 19–9 3.5
¶14682530

CASC Error ellipse: s-maj=12.2km s-min=4.9km az=-1.0.
CASC IV 12 10 00 11.1–4.5 8.34N 82.97W 7–15 3.6
¶14682807

CASC Error ellipse: s-maj=18.7km s-min=7.6km az=-1.0.
IDC IV 12 15 04 23.4–2.5 8.74N 82.64W 0 4.1,4.0L
¶16152716

IDC Error ellipse: s-maj=88.8km s-min=28.3km az=30.0.
CASC IV 18 13 30 32.8–4.3 8.33N 82.98W 12–19 3.5
¶14682873

CASC Error ellipse: s-maj=9.1km s-min=8.0km az=-1.0.
CASC IV 20 06 23 16.4–3.0 8.95N 82.86W 6–14 3.5
¶14682894

CASC Error ellipse: s-maj=7.0km s-min=5.3km az=-1.0.
CASC IV 24 14 38 47.6–3.4 8.15N 83.00W 0–16 4.0
¶14682926

CASC Error ellipse: s-maj=30.6km s-min=6.9km az=-1.0.
ISC V 08 08 33 52.4–.48 8.78N–.05 82.86W–.04 30–3 4.6b,4.0s 253 0-153
IDC V 08 08 33 47.7–.52 8.92N 82.67W 0 4.4,4.3 **¶12784449**
CASC V 08 08 33 50.0–3.1 8.72N 82.87W 4–17 4.7b,4.5
ISCJB V 08 08 33 51.7–.37 8.84N–.04 82.77W–.03 38–3 4.5b,4.0s
MOS V 08 08 33 52.9–1.1 9.09N 82.80W 33 4.9b,4.0s
NEIC V 08 08 33 53.1–.32 8.86N 82.87W 31 4.7b,4.0s
BJI V 08 08 33 54.9 9.10N 83.00W 31 5.1b,4.7
GCMT V 08 08 33 56.5–.30 8.88N 82.79W 28–1 5.0W,4.7
ISC Event type fe.
IDC Error ellipse: s-maj=29.6km s-min=11.0km az=57.0.
CASC Error ellipse: s-maj=12.1km s-min=4.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.2km az=15.1.
MOS Error ellipse: s-maj=15.7km s-min=5.6km az=117.5.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.8km az=201.0. Felt [IV] at Boquete and Cerro Punta; [III] at Volcan; [II] at Bocas del Toro and David, Panama. Also felt at Palmira, Pedregal, Potrerillos Abajo and Potrerillos Arriba. Felt [IV] at San Vito, Costa Rica. Also felt at Cahuita, Escazu, Heredia, Mercedes, San Isidro, San Jose and San Pedro.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s22,c27; s60,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}0.56±.15 $M_{\theta\theta}$-0.48±.10; $M_{\phi\phi}$-0.08±.14; $M_{r\theta}$1.20±.17; $M_{\theta\phi}$2.84±.10; $M_{\phi r}$1.78±.22; Best double couple: NP1:ϕ_s93.00000°,δ63.00000°,λ20.00000°. NP2:ϕ_s354.00000°,δ73.00000°,λ151.00000°. Principal axes: T 3.9100,Plg32.0000° ,Azm311.0000°; N -0.7500,Plg57.0000°,Azm146.0000°; P -3.1700,Plg7.0000°,Azm45.0000° M_o3.50000×10^{16}
ISC V 10 05 42 51.8–3.4 9.75N–.06 82.43W–.04 16–22 3.8b 30 1-143
CASC V 10 05 42 51.8–2.7 9.77N 82.43W 23–10 4.3 **¶13678647**
ISCJB V 10 05 42 51.2–1.3 9.81N–.06 82.40W–.03 22–11 3.6b,3.0s
IDC V 10 05 42 54.0–1.4 10.74N 82.08W 0 4.0,3.9
ISC Event type ke.
CASC Error ellipse: s-maj=6.7km s-min=5.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.9km az=6.4.
IDC Error ellipse: s-maj=49.8km s-min=18.7km az=34.0.
CASC V 17 13 26 13.3–3.5 8.47N 82.87W 0–9 4.1
¶14772081

CASC Error ellipse: s-maj=17.6km s-min=5.5km az=-1.0.
CASC V 17 14 43 36.3–4.0 8.26N 82.83W 0–18 3.8
¶14772083

CASC Error ellipse: s-maj=35.7km s-min=15.1km az=-1.0.
IDC V 20 04 56 21.7–8.9 9.10N 82.94W 0 3.7,3.4
¶16155935

IDC Error ellipse: s-maj=337.2km s-min=42.9km az=35.0.
ISC VI 01 05 51 32.5–.89 9.52N–.06 82.49W–.04 38–2 3.9b,3.5s 45 1-143
IDC VI 01 05 51 26.3–2.0 9.31N 82.68W 0 4.3L,4.2 **¶13680090**
NEIC VI 01 05 51 27.0–.78 9.19N 82.72W 10 4.7L,4.4b
CASC VI 01 05 51 30.3–2.5 9.63N 82.46W 19–17 4.7,4.4b
ISCJB VI 01 05 51 31.2–.70 9.62N–.06 82.45W–.04 34–10 3.7b,3.4s
ISC Event type fe.
NEIC Event type fe. Felt at Buenos Aires and Palmital, Costa Rica.
ISCJB Event type fe.
CASC VI 10 15 46 42.3–1.5 9.02N 82.85W 13–8 3.5
¶14931379

CASC Error ellipse: s-maj=3.7km s-min=2.8km az=-1.0.
CASC VI 10 23 04 04.9–4.6 8.73N 82.92W 13–50 3.5
¶14931389

CASC Error ellipse: s-maj=31.6km s-min=9.2km az=-1.0.
CASC VI 13 09 30 12.6–3.7 9.58N 82.83W 19–16 3.6
¶14931435

CASC Error ellipse: s-maj=10.1km s-min=7.3km az=-1.0.
CASC VI 27 09 47 21.1–2.3 8.36N 82.88W 6–14 4.1
¶14931711

CASC Error ellipse: s-maj=22.8km s-min=24.9km az=-1.0.

(81) Panama.

ISC II 20 06 31 50.8–4.2 7.4N–.20 81.91W–.06 3–20 3.9b 17 2-73
CASC II 20 06 31 49.7–2.4 7.20N 82.29W 0–13 4.0 **¶12701319**
IDC II 20 06 31 57.0–5.6 8.29N 81.92W 0 4.4L,4.1
ISC Event type ke.
CASC Error ellipse: s-maj=19.8km s-min=10.5km az=-1.0.
IDC Error ellipse: s-maj=136.3km s-min=45.0km az=13.0.
IDC II 23 19 49 08.6–4.2 8.34N 81.92W 0 3.9,3.6L
¶15957080

IDC Error ellipse: s-maj=125.5km s-min=47.1km az=21.0.
IDC V 04 09 03 49.6–1.6 7.08N 80.50W 0 3.9,3.7
¶16154892

IDC Error ellipse: s-maj=176.2km s-min=24.9km az=64.0.
IDC V 11 05 07 07.0–5.4 7.96N 81.85W 0 3.7s,3.7
¶16155624

IDC Error ellipse: s-maj=204.1km s-min=33.2km az=30.0.

(82) Panama-Colombia border region.

IDC I 04 03 12 06.7–8.8 7.06N 77.03W 61–72 3.5,3.4b
¶12080064

IDC Error ellipse: s-maj=74.7km s-min=45.4km az=177.0.
ISC I 10 08 25 56.1–.62 8.63N–.08 77.71W–.06 34 3.9b 30 2-146
ISCJB I 10 08 25 56.1–.92 8.79N–.10 77.69W–.05 34 4.0b **¶12080925**
CASC I 10 08 26 02.6–1.7 8.60N 78.14W 14–507 3.7
IDC I 10 08 26 03.2–2.3 8.97N 77.96W 85–26 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=5.9km az=161.7.
CASC Error ellipse: s-maj=54.2km s-min=318.8km az=-1.0.
IDC Error ellipse: s-maj=35.2km s-min=14.6km az=34.0.
ISC IV 22 17 47 13.2–.80 7.5N–.20 77.1W–.20 31 4.0b,3.4s 24 4-154
IDC IV 22 17 47 08.6–.67 7.50N 77.07W 0 4.3,4.2 **¶12935947**
ISCJB IV 22 17 47 11.5–.69 7.5N–.10 77.2W–.20 31 4.1b,3.3s
ISC Event type ke.
ISCJB Event type ke.

(83) South of Panama.

CASC I 04 01 49 55.9–2.1 7.95N 82.73W 26–7 3.5
¶15649833

CASC Error ellipse: s-maj=11.2km s-min=10.6km az=-1.0.
ISC I 07 03 21 42.6–4.5 6.60N–.05 82.10W–.05 1–29 4.0b,3.7s 222 2-85
IDC I 07 03 21 42.2–.82 6.53N 82.25W 0 4.3,4.2L **¶12080592**
CASC I 07 03 21 42.9–2.3 6.64N 82.17W 5 4.7,4.2b
NEIC I 07 03 21 47.1–.86 6.67N 81.95W 35–10 4.2b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=14.5km az=60.0.
CASC Error ellipse: s-maj=12.5km s-min=6.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=6.6km az=60.0.
CASC I 07 11 13 34.4–2.5 7.20N 82.43W 17–26 3.8
¶15649846

CASC Error ellipse: s-maj=33.0km s-min=31.7km az=-1.0.
ISC I 09 11 43 10.0–.44 4.41N–.06 78.70W–.08 11 4.5b,3.5s 60 4-153
IDC I 09 11 43 07.5–.63 4.44N 78.62W 0 4.3,4.2 **¶12080833**
ISCJB I 09 11 43 08.6–.35 4.41N–.04 78.74W–.05 11 4.4b,3.5s
NEIC I 09 11 43 15.0–1.2 4.32N 78.81W 52–12 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=13.9km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=155.6.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.2km az=55.0.
CASC I 21 10 05 15.9–2.1 6.99N 82.63W 0–10 4.0
¶15649895

CASC Error ellipse: s-maj=18.9km s-min=9.3km az=-1.0.
IDC II 19 18 03 24.6–4.0 3.06N 78.30W 0 3.5,3.5
¶15956727

IDC Error ellipse: s-maj=234.1km s-min=58.0km az=46.0.
ISC II 23 18 23 33.1–.50 3.69N–.08 78.1W–.10 10 4.4b 56 3-158
ISCJB II 23 18 23 31.3–.40 3.69N–.06 77.99W–.08 10 4.2b,3.9s **¶12701660**
IDC II 23 18 23 31.0–.57 3.81N 77.87W 0 4.2,4.1
NEIC II 23 18 23 34.8–.37 3.74N 77.89W 25 4.7b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=8.2km az=161.4.
IDC Error ellipse: s-maj=21.6km s-min=13.1km az=57.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.0km az=65.0.
ISC III 10 21 47 07.0–.41 3.75N–.06 82.82W–.08 35 4.3b,4.0s 213 6-151
IDC III 10 21 47 01.4–.76 3.89N 82.54W 0 4.2,4.1L **¶11792797**
NEIC III 10 21 47 03.0–.48 3.74N 82.85W 10 4.7b,4.1L
ISCJB III 10 21 47 05.5–.24 3.80N–.04 82.72W–.04 33 4.2b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC III 11 00 17 06.2–.55 3.69N–.08 82.88W–.08 24 4.2s,4.0b 49 6-140
IDC III 11 00 17 02.8–.72 3.70N 82.85W 0 4.1,4.1s **¶12702931**
ISCJB III 11 00 17 04.4–.44 3.68N–.06 82.86W–.06 24 4.1s,3.9b
NEIC III 11 00 17 04.1–.46 3.68N 82.81W 10 4.4b,3.9b
GCMT III 11 00 17 10.0–.30 3.58N 82.84W 14–1 4.9W,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=13.1km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.5km az=44.2.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.2km az=57.0.
GCMT Event type se. Data Used: IU CN II IC G. Moment Tensor Solution. s19,c21; s73,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.13±.10 $M_{\theta\theta}$0.35±.08; $M_{\phi\phi}$-0.23±.10; $M_{r\theta}$-0.21±.20; $M_{\theta\phi}$2.46±.10; $M_{\phi r}$0.65±.23; Best double couple: NP1:ϕ_s93.00000°,δ76.00000°,λ-6.00000°. NP2:ϕ_s184.00000°,δ84.00000°,λ-166.00000°. Principal axes: T 2.5700,Plg6.0000° ,Azm318.0000°; N 0.0100,Plg74.0000°,Azm206.0000°; P -2.5800,Plg14.0000°,Azm49.0000° M_o2.60000×10^{16}
ISC III 12 23 23 34.4–.61 5.52N–.03 82.72W–.04 11–3 6.0b,5.9s 1653 3-173
BGS III 12 23 23 21.4–2.3 4.01N 84.82W 10 5.9s,5.5b **¶11876229**
IDC III 12 23 23 30.2–.39 5.51N 82.37W 0 5.8,5.8s
BJI III 12 23 23 34.5 5.90N 82.80W 10 6.3s,6.2b
CASC III 12 23 23 34.5–3.6 5.59N 82.63W 21–41 6.1b,5.4
NEIC III 12 23 23 34.8–.24 5.69N 82.77W 9 6.8,6.2W
MOS III 12 23 23 34.9–1.4 5.90N 82.84W 10 6.2b,5.9s
ISCJB III 12 23 23 35.3–.16 5.80N–.02 82.61W–.02 10 5.9s,5.8b
GCMT III 12 23 23 40.3–.10 5.51N 82.60W 23–0 6.3W,5.8b
SZGRF III 12 23 23 45.4 6.22N 81.77W 33 6.0s,5.9b
ISC Event type fe.
BGS Error ellipse: s-maj=910.5km s-min=745.3km az=-1.0.
IDC Error ellipse: s-maj=17.8km s-min=8.0km az=67.0.
CASC Error ellipse: s-maj=22.9km s-min=9.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=20.0. Felt [III] at Boquete. Also felt at Bocas del Toro, David, Panama, Potrerillos Arriba and Santiago. Felt [II] at San Jose, Costa Rica. Also felt at Alajuela, Cartago, Colon, Escazu, Golfito, Ipis, Quepos, Sabanilla, San Francisco, San Pablo, San Rafael, Santa Ana, Santo Domingo and Turrialba. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s15.00000°,δ80.00000°,λ-175.00000°. NP2:ϕ_s284.00000°,δ85.00000°,λ-10.00000°.

Principal axes: T Plg4.0000°,Azm330.0000°; N Plg0.0000°,Azm0.0000°; P Plg11.0000° ,Azm239.0000° Moment Tensor Solution. s109 Moment tensor: Scale 10^{18}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-0.17 $M_{r\theta}$0.06 $M_{\theta\phi}$2.46 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s89.00000° ,δ78.00000°,λ5.00000°. NP2:ϕ_s358.00000°,δ85.00000°,λ168.00000°. Principal axes: T 2.2700,Plg12.0000°,Azm313.0000°; N 0.4800,Plg76.0000°,Azm154.0000° ; P -2.7600,Plg4.0000°,Azm44.0000° $M_0$2.50000×10^{18}

MOS Error ellipse: s-maj=6.3km s-min=4.3km az=87.7.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.9km az=22.5.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=123, comp=290, per= 50. Moment Tensor Solution. s108,c250; s99,c173; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.13±.02 $M_{\theta\theta}$0.27±.02; $M_{\phi\phi}$-0.14±.02; $M_{r\theta}$0.31±.04; $M_{\theta\phi}$3.43±.02; $M_{\phi r}$0.01±.04; Best double couple: NP1:ϕ_s2.00000°,δ85.00000°,λ180.00000°. NP2:ϕ_s92.00000°,δ90.00000°,λ5.00000°. Principal axes: T 3.5200,Plg4.0000°,Azm317.0000°; N -0.1300,Plg85.0000°,Azm93.0000° ; P -3.3800,Plg4.0000°,Azm227.0000° $M_0$3.50000×10^{18}

SZGRF South of Panama.

CASC	**III**	**13 00 01 01.2–3.7**	**5.66N**	**82.79W**	**35–123**	**4.2**			
									¶14608314

CASC Error ellipse: s-maj=78.9km s-min=21.5km az=-1.0.

ISC	**III**	**14 14 18 32.5–.76**	**2.54N–.04**	**79.94W–.07**	**28–5**	**4.8b,4.1s**	**598**	**3-159**	
IDC	III	14 14 18 28.6–.49	2.65N	79.67W	0	4.7,4.6			**¶11882956**
ISCJB	III	14 14 18 30.7–2.0	2.66N–.04	79.64W–.04	21–14	4.8b,4.2s			
NEIC	III	14 14 18 31.2–2.0	2.65N	79.70W	16–12	4.9b,4.2s			
MOS	III	14 14 18 32.7–.88	2.74N	79.76W	33	5.0b,4.2s			

ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=10.9km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.3km az=39.5.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.9km az=49.0.
MOS Error ellipse: s-maj=10.5km s-min=6.1km az=104.7.

ISC	**III**	**14 14 29 13.1–.69**	**7.85N–.05**	**82.74W–.04**	**34–2**	**5.0b,4.1s**	**416**	**1-154**	
IDC	III	14 14 29 08.0–.53	7.89N	82.69W	0	4.6,4.5			**¶13436283**
CASC	III	14 14 29 10.7–2.9	7.87N	82.81W	4–14	4.9b,4.2			
ISCJB	III	14 14 29 11.9–.58	7.82N–.04	82.75W–.03	37–4	4.8b,4.2s			
NEIC	III	14 14 29 11.0	7.84N	82.80W	10	4.9b,4.7			
BJI	III	14 14 29 12.8	8.06N	83.08W	36	5.4b,5.2s			
SZGRF	III	14 14 29 13.3	8.61N	83.15W	33	5.0b,5.2s			
GCMT	III	14 14 29 16.4–.30	7.81N	82.64W	23–1	4.9W,5.2s			

ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=11.7km az=56.0.
CASC Error ellipse: s-maj=11.7km s-min=7.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.7km az=31.4.
NEIC Event type se. After CASC.
SZGRF Costa Rica.
GCMT Event type se. Data Used: II CN IC IU G. Moment Tensor Solution. s27,c31; s65,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}2.15±.22 $M_{\theta\theta}$-2.51±.13; $M_{\phi\phi}$0.36±.14; $M_{r\theta}$0.32±.17; $M_{\theta\phi}$1.59±.08; $M_{\phi r}$-1.30±.24; Best double couple: NP1:ϕ_s266.00000°,δ44.00000°,λ45.00000°. NP2:ϕ_s140.00000°,δ60.00000°,λ124.00000°. Principal axes: T 2.8800,Plg59.0000° ,Azm101.0000°; N 0.4700,Plg29.0000°,Azm301.0000°; P -3.3500,Plg9.0000°,Azm206.0000° $M_0$3.10000×10^{16}

ISC	**III**	**16 19 39 16.6–.55**	**4.88N–.06**	**82.71W–.07**	**12**	**4.1b,3.7s**	**61**	**4-146**	
ISCJB	III	16 19 39 15.0–.47	4.92N–.03	82.67W–.05	12	4.0b,3.8s			**¶12703451**
IDC	III	16 19 39 15.3–.79	4.77N	82.66W	0	4.2,4.1			
NEIC	III	16 19 39 16.4–.51	4.74N	82.70W	10	4.6b,4.1			
CASC	III	16 19 39 19.1–1.9	4.96N	82.77W	35–93	4.6b,4.3			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.0km az=154.9.
IDC Error ellipse: s-maj=31.9km s-min=14.5km az=57.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=8.3km az=61.0.
CASC Error ellipse: s-maj=57.6km s-min=14.2km az=-1.0.

IDC	**III**	**24 00 36 31.5–1.1**	**3.31N**	**82.92W**	**0**	**4.0,3.9**			
									¶12635434

IDC Error ellipse: s-maj=38.5km s-min=17.8km az=51.0.

ISC	**III**	**28 12 49 07.5–1.3**	**7.48N–.05**	**82.36W–.04**	**16–7**	**4.8b,4.0s**	**730**	**1-154**	
UPA	III	28 12 49 03.7	7.25N	82.42W	10	4.8W,4.0s			**¶12062721**
MOS	III	28 12 49 05.8–.97	7.66N	82.15W	10	5.0b,4.0s			
UCR	III	28 12 49 05.9	7.35N	82.66W	0	4.4,4.0s			
IDC	III	28 12 49 05.1–.51	7.57N	82.19W	0	6.0L,4.5			
CASC	III	28 12 49 06.2–1.8	7.35N	82.40W	25–18	4.8b,4.3			
NEIC	III	28 12 49 06.7–.20	7.49N	82.22W	10	4.8b,4.3			
ISCJB	III	28 12 49 07.0–1.3	7.60N–.04	82.23W–.03	15–7	4.7b,4.1s			
GCMT	III	28 12 49 11.7–.30	7.38N	82.38W	21–1	4.9W,4.1s			

ISC Event type se.
MOS Error ellipse: s-maj=11.6km s-min=5.8km az=120.3.
IDC Error ellipse: s-maj=22.2km s-min=11.5km az=58.0.
CASC Error ellipse: s-maj=8.8km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=219.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.9km az=26.7.
GCMT Event type se. Data Used: IU II G IC. Moment Tensor Solution. s18,c20; s69,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.12 $M_{\theta\theta}$0.42±.09; $M_{\phi\phi}$-0.50±.12; $M_{r\theta}$0.64±.18; $M_{\theta\phi}$2.21±.08; $M_{\phi r}$-0.14±.17; Best double couple: NP1:ϕ_s6.00000°,δ74.00000°,λ-179.00000°. NP2:ϕ_s276.00000°,δ89.00000°,λ-16.00000°. Principal axes: T 2.3000,Plg11.0000° ,Azm322.0000°; N 0.1100,Plg74.0000°,Azm93.0000°; P -2.4000,Plg12.0000°,Azm230.0000° $M_0$2.40000×10^{16}

IDC	**IV**	**12 12 23 07.7–1.4**	**4.56N**	**82.37W**	**0**	**3.8,3.7**			
									¶16152709

IDC Error ellipse: s-maj=74.7km s-min=22.2km az=48.0.

ISC	**IV**	**18 05 20 24.3–.46**	**4.58N–.07**	**78.5W–.10**	**11**	**4.2b,3.5s**	**96**	**4-157**	
ISCJB	IV	18 05 20 22.6–.39	4.57N–.07	78.4W–.10	11	4.1b,3.4s			**¶12935573**
IDC	IV	18 05 20 28.9–2.1	4.55N	78.51W	46–21	4.0,3.9			
NEIC	IV	18 05 20 29.2–.95	4.47N	78.59W	52–9	4.3b,3.9			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=7.1km az=152.1.
IDC Error ellipse: s-maj=25.3km s-min=13.2km az=61.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.0km az=63.0.

ISC	**IV**	**18 17 04 55.8–.40**	**3.90N–.05**	**82.54W–.07**	**10**	**4.6b,4.0s**	**384**	**5-149**	
ISCJB	IV	18 17 04 54.9–.25	3.84N–.04	82.49W–.04	10	4.4b,4.0s			**¶12610220**
IDC	IV	18 17 04 54.7–.59	3.88N	82.56W	0	4.4,4.4			
NEIC	IV	18 17 04 56.0–.25	3.88N	82.51W	10	4.7b,4.4			
GCMT	IV	18 17 05 00.5–.30	3.87N	82.62W	14–2	4.8W,4.4			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.3km az=137.7.
IDC Error ellipse: s-maj=26.7km s-min=11.0km az=59.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.7km az=53.0.
GCMT Event type se. Data Used: IC II IU G CN. Moment Tensor Solution. s17,c19; s65,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.09 $M_{\theta\theta}$0.12±.08; $M_{\phi\phi}$0.05±.10; $M_{r\theta}$-0.17±.18; $M_{\theta\phi}$2.02±.10; $M_{\phi r}$0.15±.19; Best double couple: NP1:ϕ_s181.00000°,δ85.00000°,λ-175.00000°. NP2:ϕ_s90.00000°,δ85.00000°,λ-5.00000°. Principal axes: T 2.1100,Plg0.0000° ,Azm136.0000°; N -0.1500,Plg83.0000°,Azm228.0000°; P -1.9600,Plg7.0000°,Azm46.0000° $M_0$2.00000×10^{16}

ISC	**IV**	**24 08 37 56.2–.38**	**2.57N–.05**	**79.82W–.06**	**20**	**4.5b,3.8s**	**445**	**1-159**	
NEIC	IV	24 08 37 54.7–.31	2.53N	79.78W	10	4.5b,3.8s			**¶12692506**
ISCJB	IV	24 08 37 55.2–.22	2.60N–.04	79.70W–.03	20	4.4b,3.9s			
IDC	IV	24 08 38 02.9–2.4	2.79N	79.70W	69–21	4.2,4.1			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.6km az=216.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.3km az=37.8.
IDC Error ellipse: s-maj=17.9km s-min=15.1km az=56.0.

IDC	**V**	**02 17 37 35.5–.80**	**3.31N**	**78.53W**	**0**	**4.0,3.9**			
									¶16154843

IDC Error ellipse: s-maj=36.1km s-min=19.0km az=63.0.

ISC	**V**	**04 22 46 40.0–1.7**	**5.6N–.20**	**82.3W–.20**	**35**	**3.8b**	**22**	**3-83**	
IDC	V	04 22 46 34.7–6.3	5.53N	82.25W	0	3.9,3.6b			**¶13678356**
CASC	V	04 22 46 38.0–2.9	5.45N	82.50W	35–999	4.5,3.6b			

ISC Event type ke.
IDC Error ellipse: s-maj=240.8km s-min=39.3km az=30.0.
CASC Error ellipse: s-maj=999.9km s-min=384.6km az=-1.0.

ISC	**V**	**07 22 56 45.5–.59**	**7.72N–.07**	**82.13W–.06**	**18**	**4.4b,3.9s**	**106**	**1-143**	
IDC	V	07 22 56 43.5–.93	7.83N	82.07W	0	4.4,4.2			**¶12784419**
ISCJB	V	07 22 56 44.2–.40	7.59N–.05	82.31W–.04	18	4.4b,4.0s			
CASC	V	07 22 56 45.1–1.4	7.64N	82.54W	0–25	4.7b,4.3			
NEIC	V	07 22 56 46.6–2.6	7.65N	82.25W	21–18	4.7b,4.7W			
BJI	V	07 22 56 51.1	7.50N	81.90W	82	4.7b,4.7W			

ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=15.8km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.7km az=22.2.
CASC Error ellipse: s-maj=42.0km s-min=51.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.3km az=212.0.

ISC	**V**	**14 01 28 09.3–.63**	**3.64N–.08**	**82.8W–.10**	**24**	**4.1b,3.7s**	**38**	**6-139**	
CASC	V	14 01 28 03.9–.74	3.76N	83.38W	0–71	4.3b,3.7s			**¶13678911**
IDC	V	14 01 28 05.4–1.0	3.69N	82.77W	0	4.4L,4.2			
ISCJB	V	14 01 28 07.5–.52	3.58N–.07	82.74W–.08	24	4.1b,3.8s			
NEIC	V	14 01 28 07.4–.58	3.62N	82.77W	10	4.3b,3.8s			

ISC Event type se.
CASC Error ellipse: s-maj=139.1km s-min=48.5km az=-1.0.
IDC Error ellipse: s-maj=49.7km s-min=17.5km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=7.8km az=143.8.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.8km az=52.0.

CASC	**V**	**22 11 45 46.8–3.3**	**6.71N**	**82.45W**	**20–98**	**4.1**			
									¶14772093

CASC Error ellipse: s-maj=63.4km s-min=16.9km az=-1.0.

SEISMIC REGION 7.
Caribbean Loop.

(85) Cuba region.

JSN	**V**	**28 21 35 12.3–1.0**	**19.65N**	**76.47W**	**28–325**	**3.7**			
									¶14931169

JSN Error ellipse: s-maj=139.9km s-min=79.0km az=-1.0.

(86) Jamaica region.

JSN	**I**	**04 19 15 34.5–1.4**	**17.63N**	**78.71W**	**0–33**	**3.5**			
									¶14543953

JSN Error ellipse: s-maj=13.8km s-min=37.3km az=-1.0.

JSN	**I**	**24 22 31 32.5–.79**	**18.04N**	**76.62W**	**3–3**	**3.5**			
									¶14543980

JSN Error ellipse: s-maj=3.6km s-min=2.1km az=-1.0.

JSN	**II**	**25 12 23 14.6–.70**	**18.07N**	**76.61W**	**0–3**	**3.8**			
									¶14544039

JSN Error ellipse: s-maj=5.8km s-min=2.0km az=-1.0.

JSN	**III**	**09 00 09 07.9–2.9**	**17.50N**	**78.83W**	**0–58**	**3.8**			
									¶14544171

JSN Error ellipse: s-maj=25.8km s-min=50.4km az=-1.0.

ISC	**III**	**09 19 54 26.4–1.0**	**18.1N–.20**	**78.79W–.06**	**35**			**15**	**1-149**
IDC	III	09 19 54 23.6–2.0	18.43N	78.77W	0	5.1L,3.6			**¶12702817**
ISCJB	III	09 19 54 24.2–1.1	18.0N–.20	78.86W–.05	33	3.1b,3.6			
JSN	III	09 19 54 24.7–1.2	19.40N	78.20W	6–16	4.4,3.6			

ISC Event type ke.
IDC Error ellipse: s-maj=59.4km s-min=47.1km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=26.9km s-min=7.0km az=2.5.
JSN Error ellipse: s-maj=7.6km s-min=17.7km az=-1.0.

JSN	**III**	**24 03 42 31.3–.38**	**18.28N**	**77.21W**	**21–2**	**3.6**			
									¶14544408

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

JSN	**VI**	**26 03 11 42.3–1.1**	**18.00N**	**78.01W**	**16–6**	**3.6**			
									¶15009409

JSN Error ellipse: s-maj=5.0km s-min=11.6km az=-1.0.

(88) Dominican Republic region.

RSPR	**I**	**07 02 13 41.9**	**19.48N**	**69.59W**	**79–24**	**3.9**			
NEIC	I	07 02 13 41.9	19.48N	69.59W	79	3.9			**¶11534041**

RSPR Event type ke.
NEIC Event type se. After RSPR.

ISC	**I**	**12 20 59 41.8–1.1**	**18.6N–.10**	**69.06W–.05**	**136–14**			**62**	**1-11**
ISCJB	I	12 20 59 41.1–.48	18.6N–.10	69.08W–.04	134–9				**¶11594577**
RSPR	I	12 20 59 44.1	18.57N	68.98W	117–2	3.8			
NEIC	I	12 20 59 44.1	18.57N	68.98W	117	3.8			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=3.9km az=15.0.
RSPR Event type ke.
NEIC Event type se. After RSPR.

ISC	**I**	**14 01 23 13.7–.62**	**19.71N–.08**	**70.20W–.04**	**24**	**3.5b**	**40**	**1-67**	
SSNC	I	14 01 23 10.4–5.8	18.69N	70.17W	50–999	4.3,4.0L			**¶11594636**
IDC	I	14 01 23 11.2–1.7	19.93N	70.01W	0	3.8,3.6			
ISCJB	I	14 01 23 12.1–.40	19.82N–.06	70.25W–.03	24	3.5b,3.6			
NEIC	I	14 01 23 12.3–.48	19.74N	70.24W	10	3.9b,3.6			

ISC Event type ke.
SSNC Error ellipse: s-maj=236.1km s-min=74.7km az=-1.0.
IDC Error ellipse: s-maj=51.0km s-min=24.1km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=3.1km az=16.1.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.5km az=210.0.

RSPR	**II**	**13 12 59 16.0**	**18.66N**	**69.36W**	**92–2**	**3.6**			
									¶11672908

RSPR Event type ke.

RSPR	**III**	**04 08 21 23.0**	**18.33N**	**69.20W**	**97–4**	**3.7**			
									¶11752731

RSPR Event type ke.

RSPR	**III**	**22 18 12 39.7**	**18.13N**	**69.04W**	**116–3**	**3.9**			
NEIC	III	22 18 12 39.7	18.13N	69.04W	116	3.9			**¶12056121**

RSPR Event type ke.
NEIC Event type se. After RSPR.

ISC	**IV**	**02 12 20 40.6–2.9**	**19.46N–.08**	**70.42W–.03**	**9–18**	**4.1b**	**275**	**1-157**	
IDC	IV	02 12 20 38.9–.54	19.43N	70.34W	0	4.3L,4.2			**¶12084927**
NEIC	IV	02 12 20 42.5–.33	19.66N	70.49W	10	4.2b,4.2			

ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=13.6km az=49.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.4km az=203.0.

RSPR	**V**	**01 21 18 43.3**	**18.58N**	**69.05W**	**105–2**	**4.1**			
NEIC	V	01 21 18 43.3	18.58N	69.05W	105	4.1			**¶12747040**

RSPR Event type ke.
NEIC Event type se. After RSPR.

ISC	**V**	**04 19 10 01.0–.84**	**19.4N–.20**	**70.37W–.08**	**25**	**3.2b**	**12**	**4-157**	
IDC	V	04 19 09 57.3–1.2	19.49N	70.36W	0	5.5L,3.8			**¶12754071**
ISCJB	V	04 19 09 58.8–.74	19.4N–.20	70.43W–.06	25	3.3b,3.8			

ISC Event type ke.
ISCJB Event type ke.

ISC	**V**	**06 21 28 41.6–1.1**	**19.30N–.08**	**70.26W–.04**	**46–15**	**3.6b**	**37**	**1-69**	
IDC	V	06 21 28 36.9–3.5	19.85N	69.80W	0	3.9,3.6			**¶12757546**
NEIC	V	06 21 28 37.7–.54	19.30N	70.22W	10	4.2L,3.6			

ISC Event type fe.
IDC Error ellipse: s-maj=133.6km s-min=30.4km az=24.0.
NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=6.0km az=17.0. Felt at Baitoa, Jamao al Norte and Nagua.

IDC	**VI**	**07 02 40 02.0–2.5**	**20.38N**	**70.81W**	**0**	**3.8,3.5**			
									¶16101043

IDC Error ellipse: s-maj=90.8km s-min=30.1km az=13.0.

(89) Mona Passage.

RSPR	**I**	**08 02 01 08.1**	**18.50N**	**68.75W**	**2–15**				
NEIC	I	08 02 01 08.1	18.50N	68.75W	2	3.8			**¶11534363**

RSPR Event type ke.
NEIC Event type se. After RSPR.

RSPR	**I**	**08 11 27 04.3**	**19.14N**	**67.41W**	**60–11**	**3.3**			
NEIC	I	08 11 27 04.3	19.14N	67.41W	60	3.3			**¶11534378**

RSPR Event type ke.
NEIC Event type se. After RSPR.

RSPR	**I**	**08 22 59 31.6**	**19.74N**	**67.91W**	**7–8**	**3.4**			
NEIC	I	08 22 59 31.6	19.74N	67.91W	7	3.4			**¶11534399**

RSPR Event type ke.
NEIC Event type se. After RSPR.

RSPR	**I**	**09 15 55 32.2**	**19.24N**	**67.26W**	**10–31**	**3.1**			
NEIC	I	09 15 55 32.2	19.24N	67.26W	10	3.1			**¶11534458**

RSPR Event type ke.
NEIC Event type se. After RSPR.

RSPR I 18 01 37 33.6 19.08N 67.77W 25–31
NEIC I 18 01 37 33.6 19.08N 67.77W 25 2.7L ¶11596320
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 24 00 50 09.1 18.04N 68.54W 104–2 3.3
NEIC I 24 00 50 09.1 18.04N 68.54W 104 3.3 ¶11617180
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 25 18 53 13.3 18.13N 68.19W 14–8
NEIC I 25 18 53 13.3 18.13N 68.19W 14 2.9 ¶11617243
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 02 02 59 31.9 18.65N 67.04W 72–0
NEIC II 02 02 59 31.9 18.65N 67.04W 72 2.6 ¶11660432
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 03 01 31 46.4 18.20N 68.88W 45–6 2.7
NEIC II 03 01 31 46.4 18.20N 68.88W 45 2.8 ¶11662485
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 05 14 53 47.1 18.14N 67.42W 11–0 2.4
¶11667330
RSPR Event type ke.
ISC II 14 07 48 38.0–.22 18.46N–.04 68.95W–.04 123–1 5.0b 1315 1-158
LDG II 14 07 48 36.3–.43 18.38N 68.98W 125 4.7b,3.6s ¶13434615
MOS II 14 07 48 37.1–.95 18.48N 68.93W 127 4.9b,3.6s
ISCJB II 14 07 48 37.5–.17 18.51N–.02 68.94W–.01 128–2 5.0b,3.6s
RSPR II 14 07 48 38.9 18.67N 68.92W 122–1 4.9,3.6s
IDC II 14 07 48 38.1–.31 18.47N 68.94W 122–2 4.6,4.6
NEIC II 14 07 48 38.9 18.67N 68.92W 122 5.1b,4.8
BJI II 14 07 48 38.0 18.70N 68.90W 121 5.1b,4.8
SZGRF II 14 07 48 55.8 18.08N 69.13W 33 4.9b,4.8
JSN II 14 07 50 02.9–1.1 18.54N 75.71W 0–157 4.9b,4.8
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=21.0km s-min=13.0km az=81.0.
MOS Error ellipse: s-maj=5.8km s-min=4.8km az=118.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=1.9km az=17.8.
RSPR Event type ke.
IDC Error ellipse: s-maj=8.5km s-min=5.8km az=33.0.
NEIC Event type fe. Felt [IV] at Higuey, [III] at La Romana and [II] at Las Terrenas, San Pedro de Macoris and Santo Domingo. Also felt at Azua, Constanza, El Seibo, El Valle, La Vega, Otra Banda, Pedro Sanchez, Puerto Plata, Sanchez, Santiago and Sosua. Felt [V] at Mayaguez, Puerto Rico. Also felt at Adjuntas, Aguada, Anasco, Bayamon, Caguas, Cayey, Corozal, Gurabo, Lajas, Morovis, Naranjito, Ponce, San Juan and Utuado. After RSPR.
SZGRF Dominican Republic region.
JSN Error ellipse: s-maj=58.2km s-min=137.8km az=-1.0.
RSPR II 14 19 25 06.3 18.06N 68.29W 91–1 3.3
NEIC II 14 19 25 06.3 18.06N 68.29W 91 3.3 ¶11673100
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 19 09 36 40.5 18.61N 68.95W 120–2 3.6
NEIC II 19 09 36 40.5 18.61N 68.95W 120 3.6 ¶11710711
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 20 01 17 42.9 17.98N 68.66W 82–6 3.8
NEIC II 20 01 17 42.9 17.98N 68.66W 82 3.8 ¶11712983
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC III 04 22 30 26.9–.39 18.24N–.05 68.60W–.03 166–3 4.6b 398 1-135
LDG III 04 22 30 18.7–.25 18.38N 68.92W 110 4.7b ¶11752981
BJI III 04 22 30 25.1 18.20N 68.60W 157 5.0b
ISCJB III 04 22 30 25.7–.21 18.21N–.04 68.58W–.02 163–1 4.5b
IDC III 04 22 30 26.1–.60 18.13N 68.63W 156–4 4.1,4.1
NEIC III 04 22 30 26.4 18.29N 68.56W 163 5.0b,4.8
RSPR III 04 22 30 26.4 18.29N 68.56W 163–2 4.8,4.5
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=12.3km s-min=8.2km az=83.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=2.8km az=13.7.
IDC Error ellipse: s-maj=10.4km s-min=7.1km az=23.0.
NEIC Event type fe. Felt [II] at Santo Domingo. Also felt at Higuey and Santiago. After RSPR.
RSPR Event type ke.
RSPR III 05 19 43 00.5 18.20N 68.97W 84–15 3.5
NEIC III 05 19 43 00.5 18.20N 68.97W 84 3.6 ¶11757245
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 07 13 10 05.5 18.17N 68.61W 149–4 3.1
NEIC III 07 13 10 05.5 18.17N 68.61W 149 3.1 ¶11788772
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 09 23 20 16.5 18.38N 68.61W 127–2 3.7
NEIC III 09 23 20 16.5 18.38N 68.61W 127 3.7 ¶11789676
RSPR Event type ke.
NEIC Event type se. After RSPR.
IDC III 14 16 32 01.1–18 18.18N 68.55W 0 3.6,3.3
¶12703279
IDC Error ellipse: s-maj=406.7km s-min=75.9km az=154.0.
RSPR III 25 18 28 17.1 18.91N 67.30W 20–17
¶12060995
RSPR Event type ke.
NEIC IV 04 21 42 06.2 18.95N 68.73W 104 3.8
¶14413488
NEIC Event type se. After RSPR.
RSPR IV 21 12 19 24.9 18.71N 67.19W 15–3
NEIC IV 21 12 19 22.3 18.75N 67.25W 11 2.7 ¶12668732
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 22 01 36 55.4 18.21N 68.55W 147–1 3.7
NEIC IV 22 01 36 55.4 18.21N 68.55W 147 3.7 ¶12645040
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 25 00 29 04.2 18.49N 68.24W 140–1 3.6
NEIC IV 25 00 29 04.2 18.49N 68.24W 140 3.6 ¶12692670
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 28 05 23 27.9 18.41N 68.64W 137–1 3.7
NEIC IV 28 05 23 27.9 18.41N 68.64W 137 3.7 ¶12723291
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC V 02 08 34 39.3–.78 18.17N–.04 67.01W–.03 26–4 3.8b 71 0-86
ISCJB V 02 08 34 38.4–.52 18.18N–.06 67.02W–.04 31–3 3.8b ¶12747141
NEIC V 02 08 34 39.7 18.17N 67.02W 21 3.5
IDC V 02 08 34 39.5–2.7 18.30N 66.92W 22–16 3.7,3.6
RSPR V 02 08 34 39.7 18.17N 67.02W 21–1 3.5,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=4.8km az=19.7.
NEIC Event type fe. Felt [IV] at Anasco, Hormigueros, Lares, Mayaguez, San German, San Sebastian and Yauco. Also felt at Lajas, Sabana Grande, Trujillo Alto and Utuado. After RSPR.
IDC Error ellipse: s-maj=43.9km s-min=15.3km az=23.0.
RSPR Event type ke.
RSPR V 05 07 44 19.6 17.93N 68.40W 99–9 3.8
NEIC V 05 07 44 19.6 17.93N 68.40W 98 3.8 ¶12754075
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR V 12 11 53 47.7 18.48N 68.71W 112–2 2.9
NEIC V 12 11 53 47.7 18.48N 68.71W 112 2.9 ¶12818789
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR V 13 16 55 07.4 18.44N 68.58W 160–4 3.5
NEIC V 13 16 55 07.4 18.44N 68.58W 160 3.5 ¶12820082
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR V 13 22 20 34.5 18.38N 67.33W 90–1 3.4
NEIC V 13 22 20 34.5 18.38N 67.33W 90 3.4 ¶12821483
RSPR Event type ke.
NEIC Event type se. After RSPR.
NEIC V 16 23 45 15.7 18.26N 68.33W 52 3.4
RSPR V 16 23 45 15.7 18.26N 68.33W 52–4 3.4 ¶12828738
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR V 17 09 07 04.8 19.01N 67.46W 10–1 3.1
NEIC V 17 09 07 04.8 19.01N 67.46W 10 3.1 ¶12828756
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR V 20 16 27 32.8 18.76N 67.98W 120–4 3.6
NEIC V 20 16 27 32.8 18.76N 67.98W 120 3.6 ¶12844591
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR V 23 13 16 13.2 18.40N 67.15W 66–2
NEIC V 23 13 16 13.2 18.40N 67.15W 66 3.0 ¶12855540
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 09 02 41 11.9 19.40N 67.38W 31–8 3.5
NEIC VI 09 02 41 11.9 19.40N 67.38W 31 3.5 ¶12952892
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 28 07 32 55.9 19.35N 67.72W 100–8 3.3
NEIC VI 28 07 32 55.9 19.35N 67.72W 100 3.3 ¶13307189
RSPR Event type ke.
NEIC Event type se. After RSPR.

(90) Puerto Rico region.

RSPR I 01 08 22 18.8 19.43N 65.68W 62–14 3.2
NEIC I 01 08 22 18.8 19.43N 65.68W 62 3.2 ¶11526030
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 01 09 06 14.3 19.33N 65.80W 57–9 3.4
NEIC I 01 09 06 14.3 19.33N 65.80W 57 3.4 ¶11526032
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 02 10 58 13.1 18.76N 65.42W 17–3 2.6
NEIC I 02 10 58 13.1 18.76N 65.42W 16 2.6 ¶11526809
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 02 14 53 35.9 18.98N 65.08W 25–28 3.0
TRN I 02 14 53 34.2 18.86N 65.09W 34 3.0 ¶11526814
NEIC I 02 14 53 35.9 18.98N 65.08W 25 3.0
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 05 11 45 49.8 19.53N 66.26W 66–19
NEIC I 05 11 45 49.8 19.53N 66.26W 66 3.5 ¶11528538
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 06 01 06 04.3 17.88N 66.81W 4–0 2.2
¶11532475
RSPR Event type ke.
RSPR I 06 11 07 36.7 17.90N 66.80W 5–0
NEIC I 06 11 07 36.7 17.90N 66.80W 6 2.8 ¶11532507
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 07 09 33 43.4 19.11N 66.30W 27–17 3.4
NEIC I 07 09 33 43.4 19.11N 66.30W 27 3.4 ¶11534057
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 08 04 06 27.2 17.89N 66.82W 3–1 2.4
¶11534370
RSPR Event type ke.
RSPR I 08 12 25 27.2 19.39N 65.70W 10–31 3.5
NEIC I 08 12 25 27.2 19.39N 65.70W 10 3.5 ¶11534383
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 10 09 16 19.2 18.92N 65.28W 15–2 3.0
TRN I 10 09 16 17.0 18.84N 65.26W 39 3.0 ¶11534714
NEIC I 10 09 16 19.2 18.92N 65.28W 15 3.0
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 10 11 48 04.3 19.47N 66.33W 51–20
NEIC I 10 11 48 04.3 19.47N 66.33W 50 3.5 ¶11534717
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 10 17 59 27.3 17.90N 65.40W 8–11
¶11534721
RSPR Event type ke.
RSPR I 11 15 56 25.7 19.50N 66.14W 97–10 3.5
NEIC I 11 15 56 25.7 19.50N 66.14W 97 3.5 ¶11594535
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 11 16 04 16.2 19.23N 65.99W 108–9
¶11594536
RSPR Event type ke.
RSPR I 15 02 01 11.8 18.00N 65.50W 10–4
¶11594700
RSPR Event type ke.
RSPR I 15 10 10 43.2 17.88N 66.81W 5–31 2.2
NEIC I 15 10 10 43.2 17.88N 66.81W 5 2.5 ¶11594715
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 17 15 43 04.6 18.90N 66.83W 14–2 2.8
¶11596178
RSPR Event type ke.
RSPR I 17 15 44 20.1 18.88N 66.84W 16–1 2.5
NEIC I 17 15 44 20.1 18.88N 66.84W 16 2.5 ¶11596180
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC I 20 01 11 10.1–1.5 19.16N–.06 66.53W–.03 30–12 3.4b 68 1-69
IDC I 20 01 11 05.3–1.8 19.28N 66.36W 0 3.7,3.4 ¶11613315
ISCJB I 20 01 11 09.0–.92 19.25N–.06 66.53W–.03 36–15 3.3b,3.4
RSPR I 20 01 11 09.3 19.33N 66.56W 19–5 3.7,3.4
NEIC I 20 01 11 09.3 19.33N 66.56W 19 3.7,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=79.6km s-min=21.6km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.2km az=2.1.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 20 03 04 00.2 19.27N 66.51W 35–16 3.2
NEIC I 20 03 04 00.2 19.27N 66.51W 35 3.2 ¶11613318
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 22 03 20 59.5 19.50N 65.32W 65–16 3.3
NEIC I 22 03 20 59.5 19.50N 65.32W 65 3.3 ¶11616363
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 25 22 37 02.8 19.03N 66.75W 58–4 3.2
¶11617250
RSPR Event type ke.
ISC I 31 15 14 36.2–1.7 18.82N–.09 65.06W–.03 30–11 41 0-1
TRN I 31 15 14 35.9 18.72N 65.02W 35 4.0 ¶11657513
ISCJB I 31 15 14 36.9–1.3 18.77N–.09 65.07W–.04 27–10 4.0
RSPR I 31 15 14 38.6 18.77N 65.06W 14–1 2.9
NEIC I 31 15 14 38.6 18.77N 65.06W 14 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=5.7km az=172.6.

RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 01 03 36 14.5 19.26N 66.32W 98–4 3.5
NEIC II 01 03 36 14.5 19.26N 66.32W 98 3.5 **¶11659270**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 02 03 15 33.0 19.10N 65.32W 14–4 3.3
NEIC II 02 03 15 33.0 19.10N 65.32W 14 3.4 **¶11660433**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC II 02 03 17 08.9–2.0 18.9N–.20 65.30W–.07 62–46 53 1-2
ISCJB II 02 03 17 07.3–1.4 18.8N–.20 65.25W–.07 89–23 **¶11660434**
RSPR II 02 03 17 08.1 18.78N 65.23W 92–3 3.5
NEIC II 02 03 17 08.1 18.78N 65.23W 92 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.1km s-min=6.0km az=162.7.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 06 23 38 43.6 19.59N 66.27W 30–18 3.3
NEIC II 06 23 38 43.6 19.59N 66.27W 30 3.3 **¶11667381**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 08 01 00 17.9 19.02N 65.04W 30–9 3.2
NEIC II 08 01 00 17.9 19.02N 65.04W 30 3.2 **¶11667416**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC II 13 04 24 41.7–1.6 19.37N–.05 66.41W–.03 22–12 4.4b 277 1-161
IDC II 13 04 24 38.5–.54 19.42N 66.32W 0 4.3,4.1 **¶11672878**
RSPR II 13 04 24 40.9 19.63N 66.30W 35–13 3.8,4.1
NEIC II 13 04 24 40.9 19.63N 66.30W 35 4.5b,4.1
ISCJB II 13 04 24 41.1–1.3 19.43N–.03 66.38W–.03 23–10 4.3b,4.1
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISCJB Event type ke.
ISC II 13 04 39 31.6–1.3 19.42N–.04 66.36W–.04 13–8 4.7b,4.2s 468 1-161
BJI II 13 04 39 29.5 19.50N 66.40W 6 4.8,4.2s **¶11672882**
IDC II 13 04 39 29.1–.47 19.46N 66.36W 0 4.5,4.4
ISCJB II 13 04 39 32.0–1.1 19.45N–.02 66.34W–.03 27–8 4.6b,4.3s
RSPR II 13 04 39 33.0 19.47N 66.36W 6–1 4.4,4.3s
NEIC II 13 04 39 33.0 19.47N 66.36W 6 4.8b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=13.3km s-min=11.8km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=150.9.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 13 06 17 40.0 19.37N 66.44W 97–7 3.5
NEIC II 13 06 17 40.0 19.37N 66.44W 97 3.5 **¶11672890**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 13 13 53 01.6 19.53N 66.28W 63–6
NEIC II 13 13 53 01.6 19.53N 66.28W 63 3.7 **¶11672911**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 13 15 43 40.2 19.17N 66.28W 82–6
NEIC II 13 15 43 40.2 19.17N 66.28W 82 3.4 **¶11672915**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 14 00 30 53.2 19.58N 66.28W 69–11 3.4
NEIC II 14 00 30 53.2 19.58N 66.28W 69 3.4 **¶11673076**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 15 09 15 01.8 19.03N 66.52W 51–9 2.7
NEIC II 15 09 15 03.0 18.97N 66.48W 7 2.7 **¶11677908**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 15 11 22 25.5 18.96N 66.46W 4–3 2.8
NEIC II 15 11 22 25.5 18.96N 66.46W 4 2.8 **¶11677919**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 15 14 05 43.5 18.02N 66.79W 13–1
¶11677925
RSPR Event type ke.
RSPR II 17 01 07 00.1 18.04N 65.38W 19–1 2.8
NEIC II 17 01 07 00.1 18.04N 65.38W 19 2.8 **¶11678701**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 17 15 31 27.0 19.06N 66.51W 18–12 2.8
NEIC II 17 15 31 27.0 19.06N 66.51W 18 3.3 **¶11678722**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 21 10 31 25.5 19.56N 66.34W 55–12 3.5
NEIC II 21 10 31 25.5 19.56N 66.34W 54 3.6 **¶11713353**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 24 21 40 22.4 19.58N 66.36W 11–18 3.5
NEIC II 24 21 40 22.4 19.58N 66.36W 11 3.5 **¶11729145**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 01 21 07 56.4 19.54N 66.35W 59–8 3.5
NEIC III 01 21 07 56.4 19.54N 66.35W 58 3.5 **¶11731080**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 02 10 46 18.8 19.49N 66.41W 50–13
NEIC III 02 10 46 18.8 19.49N 66.41W 50 3.5 **¶11735240**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 02 13 10 40.4 19.30N 66.37W 62–14 3.5
NEIC III 02 13 10 40.4 19.30N 66.37W 62 3.5 **¶11737343**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 03 06 25 53.0 19.47N 66.30W 40–11 3.5
NEIC III 03 06 25 53.0 19.47N 66.30W 40 3.5 **¶11739004**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC III 04 23 06 33.5–1.3 18.97N–.05 65.24W–.02 29–11 3.7b 99 1-69
IDC III 04 23 06 30.4–1.6 19.58N 64.80W 0 3.9,3.9 **¶11752982**
RSPR III 04 23 06 36.1 18.97N 65.22W 22–24 3.7,3.9
NEIC III 04 23 06 36.1 18.97N 65.22W 22 3.7,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=138.7km s-min=23.5km az=50.0.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 09 12 34 46.7 19.58N 66.36W 41–29 3.6
NEIC III 09 12 34 46.7 19.58N 66.36W 42 3.6 **¶11788848**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 10 16 53 15.9 19.39N 66.38W 102–12 3.5
NEIC III 10 16 53 15.9 19.39N 66.38W 102 3.5 **¶11792794**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 10 22 21 54.1 19.50N 66.44W 47–23 3.5
NEIC III 10 22 21 54.1 19.50N 66.44W 47 3.5 **¶11792799**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC III 12 02 05 36.1–.24 19.08N–.03 66.45W–.03 28 5.0b,4.4s 1063 1-168
LDG III 12 02 05 29.0–.26 19.13N 66.77W 10 5.0b,4.1s **¶11813806**
ISCJB III 12 02 05 34.7–.09 19.12N–.02 66.42W–.01 28 5.0b,4.4s
IDC III 12 02 05 34.8–2.9 19.05N 66.41W 19–18 4.9,4.9
MOS III 12 02 05 35.4–1.1 19.14N 66.40W 33 5.2b,4.5s
BJI III 12 02 05 36.9 19.10N 66.40W 18 5.8b,5.3s
RSPR III 12 02 05 38.5 19.07N 66.37W 15–31 5.0,5.3s
NEIC III 12 02 05 38.5 19.07N 66.37W 15 5.1b,5.0
SZGRF III 12 02 05 40.8 18.99N 65.51W 33 5.2b,4.5s
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=12.2km s-min=5.4km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=32.2.
IDC Error ellipse: s-maj=10.7km s-min=8.7km az=70.0.
MOS Error ellipse: s-maj=5.2km s-min=4.3km az=75.5.
RSPR Event type ke.
NEIC Event type fe. Felt [IV] at Canovanas, Florida, Gurabo, Juncos, Las Piedras, Mayaguez, Morovis, Toa Alta and Vega Alta; [III] at Aguas Buenas, Arecibo, Barceloneta, Bayamon, Caguas, Carolina, Cayey, Dorado, Hatillo, Humacao, Manati, Rio Grande, San Juan and Trujillo Alto; [II] at Cabo Rojo, Guaynabo, Luquillo, Naranjito, Ponce, Toa Baja and Vega Baja. Felt in most of Puerto Rico. After RSPR.
SZGRF Puerto Rico region.
RSPR III 12 02 53 06.9 18.97N 66.50W 51–12
¶11882775
RSPR Event type ke.
RSPR III 12 03 01 11.5 19.18N 66.42W 25–22
NEIC III 12 03 01 11.5 19.18N 66.42W 25 3.1 **¶11882779**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 12 03 01 15.7 19.20N 66.42W 25–29 2.7
¶11882866
RSPR Event type ke.
RSPR III 12 03 17 58.1 19.11N 66.41W 29–12 3.1
NEIC III 12 03 17 58.1 19.11N 66.41W 29 3.1 **¶11845830**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 12 03 25 49.1 19.15N 66.41W 28–17 3.1
NEIC III 12 03 25 49.1 19.15N 66.41W 28 3.1 **¶11845833**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 12 03 29 40.3 19.18N 66.43W 25–19 3.2
NEIC III 12 03 29 40.3 19.18N 66.43W 25 3.2 **¶11876218**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 12 05 43 22.0 19.00N 66.33W 93–17
NEIC III 12 05 43 22.0 19.00N 66.33W 93 2.7 **¶11883131**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 18 15 34 55.3 19.62N 66.35W 36–28 3.7
NEIC III 18 15 34 55.3 19.62N 66.35W 36 3.7 **¶12025744**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 19 12 07 45.4 19.61N 66.39W 12–26
NEIC III 19 12 07 45.4 19.60N 66.39W 12 3.5 **¶12025780**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 21 20 55 54.3 19.56N 66.35W 54–11 3.6
NEIC III 21 20 55 54.3 19.56N 66.35W 54 3.6 **¶12054517**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC III 23 03 49 33.5–1.0 19.12N–.06 66.80W–.04 20–9 3.6b 67 1-69
IDC III 23 03 49 30.4–.83 19.14N 66.78W 0 3.9,3.7 **¶12054955**
ISCJB III 23 03 49 33.0–1.1 19.17N–.04 66.82W–.04 31–8 3.5b,3.1s
RSPR III 23 03 49 34.6 19.14N 66.81W 9–3 3.5,3.1s
NEIC III 23 03 49 34.6 19.14N 66.81W 9 3.5,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=14.7km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.4km az=148.6.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC III 30 05 20 50.6–2.3 19.0N–.10 65.05W–.06 10 43 1-2
TRN III 30 05 20 51.4 18.91N 64.97W 35 **¶12066228**
NEIC III 30 05 20 52.9 19.00N 64.95W 13 3.5
RSPR III 30 05 20 52.9 19.00N 64.95W 13–4 3.5
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC IV 05 17 37 52.7–.97 19.32N–.04 65.19W–.03 5–6 4.0b,3.4s 181 1-162
IDC IV 05 17 37 51.3–.63 19.32N 65.10W 0 4.1,3.9 **¶12934554**
ISCJB IV 05 17 37 54.4–1.1 19.33N–.03 65.14W–.03 22–8 4.1b,3.3s
NEIC IV 05 17 37 57.0 19.33N 65.10W 30 4.5,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=13.0km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.0km az=14.4.
NEIC Event type se. After RSPR.
RSPR IV 08 02 17 11.3 18.67N 65.79W 67–2 3.3
NEIC IV 08 02 17 11.3 18.67N 65.79W 68 3.3 **¶12100759**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 09 05 47 39.8 19.65N 66.33W 53–16 3.5
NEIC IV 09 05 47 39.8 19.65N 66.33W 53 3.5 **¶12105733**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 13 12 49 01.0 19.37N 65.06W 18–14 3.2
NEIC IV 13 12 49 01.0 19.37N 65.06W 18 3.2 **¶12582392**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 14 14 00 36.1 19.10N 65.42W 19–8 3.2
¶12583054
RSPR Event type ke.
RSPR IV 14 15 11 24.2 18.98N 65.40W 69–5
¶12583057
RSPR Event type ke.
ISC IV 14 21 43 42.7–1.9 19.3N–.10 65.08W–.05 47–23 3.4b 95 1-69
IDC IV 14 21 43 36.7–1.3 19.35N 65.13W 0 3.9,3.5 **¶12583396**
ISCJB IV 14 21 43 40.5–.00 19.38N–.07 65.05W–.05 42–14 3.5b,3.2s
NEIC IV 14 21 43 42.0 19.36N 65.07W 56 4.0,3.2s
RSPR IV 14 21 43 42.0 19.36N 65.07W 56–11 4.0,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=21.2km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=7.5km az=6.9.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR IV 15 05 48 39.7 19.50N 65.21W 11–11
¶12583408
RSPR Event type ke.
RSPR IV 15 05 49 09.5 19.26N 65.14W 68–8 3.5
NEIC IV 15 05 49 09.5 19.26N 65.14W 68 3.5 **¶12583409**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 15 06 25 38.1 19.40N 65.05W 47–7 3.5
NEIC IV 15 06 25 38.1 19.40N 65.05W 47 3.5 **¶12583410**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 15 07 42 30.7 19.29N 65.07W 8–16 3.2
¶12590727
RSPR Event type ke.
RSPR IV 16 05 00 44.7 19.33N 65.08W 55–18 3.5
NEIC IV 16 05 00 44.7 19.33N 65.08W 55 3.5 **¶12597512**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 25 23 34 59.7 19.24N 66.33W 32–10 3.6
NEIC IV 25 23 34 59.7 19.24N 66.33W 32 3.6 **¶12697288**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR V 12 01 10 57.5 19.08N 66.80W 24–20 3.0
NEIC V 12 01 10 57.5 19.08N 66.80W 24 3.0 **¶12818713**
RSPR Event type ke.

NEIC Event type se. After RSPR.
RSPR V 16 15 44 11.6 18.74N 66.54W 55–3
NEIC V 16 15 44 11.6 18.74N 66.54W 55 2.8 ¶12826795
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC V 18 15 59 32.8–.83 19.43N–.07 66.39W–.05 19 3.5b 43 1-69
IDC V 18 15 59 27.4–15 19.35N 65.98W 0 3.8,3.5 ¶12834868
ISCJB V 18 15 59 31.4–.74 19.55N–.06 66.39W–.06 19 3.4b,3.3s
RSPR V 18 15 59 34.4 19.51N 66.39W 12–7 3.5,3.3s
NEIC V 18 15 59 34.4 19.51N 66.39W 12 3.5,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=315.5km s-min=76.1km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=7.0km az=44.1.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC V 20 03 36 08.7–1.2 18.92N–.05 65.52W–.02 30–8 4.5b,3.5s 191 1-161
ISCJB V 20 03 36 07.0–.19 19.03N–.02 65.47W–.02 33 4.6b,3.7s ¶12844581
BJI V 20 03 36 07.4 19.00N 65.50W 18 4.6,3.7s
NEIC V 20 03 36 09.5 19.00N 65.50W 19 5.0b,4.3
IDC V 20 03 36 09.6–.68 18.74N 65.52W 63–6 3.9,3.9
RSPR V 20 03 36 09.5 19.00N 65.50W 19–3 4.3,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.3km az=21.3.
NEIC Event type fe. Felt [V] at Fajardo, [III] at Ceiba and [II] at San Juan. Also felt at Bayamon, Carolina, Dorado, Las Piedras, Naranjito, San Lorenzo, Trujillo Alto and Yabucoa. Felt on Saint John and Saint Thomas, U.S. Virgin Islands. Felt on Tortola, British Virgin Islands. Felt [IV] at Cole Bay and Cul de Sac and [III] at Marigot and Philipsburg, Saint Martin. Also felt on Saint-Barthelemy. After RSPR.
IDC Error ellipse: s-maj=13.0km s-min=8.5km az=43.0.
RSPR Event type ke.
RSPR V 21 13 18 59.0 19.51N 66.38W 38–24 3.5
NEIC V 21 13 18 59.0 19.51N 66.38W 38 3.5 ¶12848964
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR V 24 19 51 54.5 18.96N 65.90W 59–3 3.5
NEIC V 24 19 51 54.5 18.96N 65.90W 59 3.5 ¶12861943
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR V 24 21 22 28.9 18.92N 66.44W 58–4 3.5
NEIC V 24 21 22 28.9 18.92N 66.44W 58 3.5 ¶12861944
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR V 25 05 07 46.9 18.79N 65.72W 16–1 3.1
NEIC V 25 05 07 46.9 18.79N 65.72W 16 3.1 ¶12861954
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR V 29 17 47 07.8 18.54N 66.62W 81–0 3.5
NEIC V 29 17 47 07.8 18.54N 66.62W 81 3.5 ¶12868653
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 01 08 47 13.3 19.50N 65.98W 165–9 3.5
NEIC VI 01 08 47 13.3 19.50N 65.98W 165 3.5 ¶12871081
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 01 08 48 34.9 19.89N 66.22W 105–16 3.5
NEIC VI 01 08 48 34.9 19.89N 66.22W 105 3.5 ¶12871082
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 02 02 20 57.0 19.26N 65.68W 57–11 3.3
NEIC VI 02 02 20 57.0 19.26N 65.68W 57 3.3 ¶12872814
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 10 10 06 19.9 19.22N 65.25W 8–2 3.5
NEIC VI 10 10 06 19.9 19.22N 65.25W 8 3.5 ¶12976618
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 10 23 40 45.6 18.93N 65.17W 32–4 3.1
NEIC VI 10 23 40 44.7 18.99N 65.12W 29 3.4 ¶12977485
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 11 05 05 15.8 19.03N 66.96W 14–1 3.2
NEIC VI 11 05 05 15.8 19.03N 66.96W 14 3.3 ¶12977498
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VI 11 10 01 03.8–.81 19.49N–.05 66.34W–.04 19 3.6b 51 1-69
IDC VI 11 10 00 56.7–15 19.09N 65.89W 0 4.0,3.6 ¶13039038
ISCJB VI 11 10 01 02.2–.61 19.56N–.04 66.35W–.04 19 3.6b,3.6
NEIC VI 11 10 01 04.6 19.57N 66.34W 11 3.4,3.6
RSPR VI 11 10 01 04.6 19.57N 66.34W 11–4 3.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=333.8km s-min=68.0km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.6km az=137.4.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VI 13 16 12 31.9–.88 19.11N–.03 66.58W–.03 18–3 4.9b,4.6s 535 1-160
RSPR VI 13 16 12 32.4 19.18N 66.59W 9–3 5.0,4.6s ¶13440065
ISCJB VI 13 16 12 32.5–.44 19.11N–.03 66.62W–.02 35–5 4.8b,4.5s
NEIC VI 13 16 12 32.4 19.18N 66.59W 9 5.0b,4.9
MOS VI 13 16 12 33.0–.94 19.08N 66.67W 40 5.1b,4.5s
IDC VI 13 16 12 34.8–.45 19.06N 66.66W 43–4 4.4s,4.4
GCMT VI 13 16 12 35.9–.20 19.31N 66.59W 12 4.9W,4.4
BJI VI 13 16 12 35.6 19.00N 66.60W 42 5.2b,5.0s
SZGRF VI 13 16 12 35.1 18.85N 66.18W 33 5.0b,5.0s
LDG VI 13 16 12 41.6–.55 18.83N 66.68W 127 4.6b,4.1s
ISC Event type fe.
RSPR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.0km az=12.6.
NEIC Event type fe. Felt [II] at San Juan. Also felt at Barranquitas, Bayamon, Canovanas, Carolina, Cidra, Corozal and Guaynabo. After RSPR.
MOS Error ellipse: s-maj=6.3km s-min=4.6km az=65.8.
IDC Error ellipse: s-maj=10.2km s-min=8.0km az=94.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c48; s87,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.20±.08 $M_{\theta\theta}$3.08±.07; $M_{\phi\phi}$0.12±.09; $M_{r\theta}$0.39±.23; $M_{\theta\phi}$0.26±.07; $M_{\theta r}$0.11±.31; Best double couple: NP1:ϕ_s86.00000°,δ41.00000°,λ-88.00000°. NP2:ϕ_s264.00000°,δ49.00000°,λ-92.00000°. Principal axes: T 3.1300,Plg4.0000° ,Azm355.0000°; N 0.1000,Plg1.0000°,Azm265.0000°; P -3.2300,Plg86.0000°,Azm155.0000° $M_0$3.20000×10^{16}
SZGRF Puerto Rico region.
LDG Event type ke. Error ellipse: s-maj=27.8km s-min=14.7km az=84.0.
ISC VI 13 19 07 17.4–.70 19.55N–.05 65.36W–.04 16 3.7b 79 1-162
IDC VI 13 19 07 14.7–2.7 19.60N 65.26W 0 3.9,3.6 ¶13066700
ISCJB VI 13 19 07 16.2–.54 19.60N–.04 65.39W–.04 16 3.6b,3.6
NEIC VI 13 19 07 18.7 19.66N 65.36W 20 3.8,3.6
RSPR VI 13 19 07 18.7 19.66N 65.36W 20–17 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=89.9km s-min=25.6km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=43.2.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR VI 14 05 29 29.6 19.64N 65.21W 67–11 3.5
NEIC VI 14 05 29 29.6 19.64N 65.21W 67 3.5 ¶13066728
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 19 16 32 33.3 19.16N 66.44W 22–15 3.1
NEIC VI 19 16 32 33.3 19.16N 66.44W 22 3.1 ¶13197451
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 26 07 38 33.3 19.59N 66.37W 9–3 3.4
NEIC VI 26 07 38 33.3 19.59N 66.37W 9 3.4 ¶13279802
RSPR Event type ke.
NEIC Event type se. After RSPR.

RSPR VI 29 18 14 39.4 19.29N 66.34W 25–14 3.2
NEIC VI 29 18 14 39.4 19.29N 66.34W 25 3.2 ¶13307344
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 29 23 01 07.7 19.56N 65.98W 7–9 3.2
NEIC VI 29 23 01 07.8 19.59N 66.00W 12 3.3 ¶13307353
RSPR Event type ke.
NEIC Event type se. After RSPR.

(91) Virgin Islands.

RSPR I 01 08 24 13.3 18.59N 64.92W 18–1 3.0
TRN I 01 08 24 10.8 18.44N 64.91W 34 3.0 ¶11526031
NEIC I 01 08 24 13.3 18.59N 64.92W 18 3.0
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN I 05 07 25 26.1 19.17N 64.67W 34 3.0
RSPR I 05 07 25 27.7 19.24N 64.60W 20–12 3.0 ¶11528526
RSPR Event type ke.
ISC I 06 04 48 08.0–4.2 19.2N–.20 64.2W–.20 40–33 34 0-3
TRN I 06 04 48 07.1 19.15N 64.20W 34 3.4 ¶11532491
RSPR I 06 04 48 08.6 19.25N 64.17W 36–5 3.4
NEIC I 06 04 48 08.6 19.25N 64.17W 36 3.5
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC I 09 00 24 19.8–2.2 18.8N–.10 64.93W–.05 31–10 35 0-1
TRN I 09 00 24 19.3 18.69N 64.92W 35 3.0 ¶11534421
NEIC I 09 00 24 21.2 18.81N 64.91W 21 3.0
RSPR I 09 00 24 21.2 18.81N 64.91W 21–12 3.0
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR I 09 07 29 30.3 18.83N 64.57W 6–0 3.4
TRN I 09 07 29 28.6 18.76N 64.57W 28 3.4 ¶11534443
NEIC I 09 07 29 30.3 18.83N 64.57W 6 3.4
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 09 10 54 51.1 18.76N 64.93W 11–1 3.0
TRN I 09 10 54 48.7 18.71N 64.90W 35 3.0 ¶11534447
NEIC I 09 10 54 51.1 18.76N 64.93W 11 3.0
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 10 09 25 10.0 18.71N 64.35W 47–1
TRN I 10 09 25 08.9 18.75N 64.49W 34 2.2 ¶11534716
RSPR Event type ke.
RSPR I 10 22 02 09.1 19.08N 64.74W 66–4 3.2
TRN I 10 22 02 07.7 19.10N 64.80W 35 3.2 ¶11534725
RSPR Event type ke.
ISC I 13 04 25 14.6–1.4 18.65N–.07 64.56W–.03 52–8 101 0-2
TRN I 13 04 25 13.3 18.58N 64.58W 55 3.5 ¶11594595
ISCJB I 13 04 25 14.1–.78 18.64N–.07 64.57W–.03 57–9 3.5
RSPR I 13 04 25 15.4 18.63N 64.55W 50–1 3.5
NEIC I 13 04 25 15.4 18.63N 64.55W 50 3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=4.5km az=6.7.
RSPR Event type ke.
NEIC Event type fe. Felt on Saint John. After RSPR.
RSPR I 14 12 37 57.2 18.30N 64.65W 105–1 3.4
TRN I 14 12 37 56.1 18.27N 64.66W 100 3.4 ¶11594678
NEIC I 14 12 37 57.2 18.30N 64.65W 105 3.4
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC I 15 21 23 55.6–2.5 19.0N–.10 64.96W–.08 27–19 31 1-1
TRN I 15 21 23 55.9 18.84N 64.95W 43 2.8 ¶11594730
RSPR I 15 21 23 57.8 18.95N 64.94W 26–28 2.8
NEIC I 15 21 23 57.8 18.95N 64.94W 26 2.8
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 18 21 52 45.0 18.88N 64.45W 48–5
TRN I 18 21 52 43.9 18.84N 64.55W 34 2.9 ¶11596348
RSPR Event type ke.
RSPR I 19 09 14 30.8 18.83N 64.39W 11–5 3.2
TRN I 19 09 14 29.7 18.74N 64.48W 29 3.2 ¶11611004
NEIC I 19 09 14 30.8 18.83N 64.39W 11 3.2
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 19 10 07 11.5 18.92N 64.46W 33–27
TRN I 19 10 07 10.2 18.85N 64.63W 24 2.0 ¶11611006
NEIC I 19 10 07 11.5 18.92N 64.46W 33 3.2
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 20 06 54 50.4 18.86N 64.21W 29–0 3.1
TRN I 20 06 54 49.1 18.76N 64.30W 32 3.1 ¶11613331
NEIC I 20 06 54 50.4 18.86N 64.21W 29 3.1
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 22 12 25 48.6 17.98N 64.94W 3–1 2.5
TRN I 22 12 25 46.0 17.98N 64.94W 25 2.7 ¶11616377
NEIC I 22 12 25 48.6 17.98N 64.94W 3 2.5
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 23 02 51 21.9 19.34N 64.91W 54–12
¶11616509
RSPR Event type ke.
RSPR I 23 20 38 48.0 18.91N 64.50W 30–13 2.7
TRN I 23 20 38 47.0 18.80N 64.62W 29 2.7 ¶11616526
RSPR Event type ke.
RSPR I 24 00 45 51.1 19.62N 64.39W 39–27 3.4
NEIC I 24 00 45 51.1 19.62N 64.39W 39 3.3 ¶11617179
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC I 24 13 32 37.9–1.8 18.69N–.09 64.31W–.10 63–9 38 0-25
ISCJB I 24 13 32 36.9–1.2 18.71N–.09 64.30W–.09 69–7 ¶11617202
TRN I 24 13 32 37.1 18.66N 64.35W 59 2.9
NEIC I 24 13 32 38.1 18.72N 64.29W 63 2.9
RSPR I 24 13 32 38.1 18.72N 64.29W 63–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.4km s-min=10.4km az=137.6.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR I 25 12 48 02.5 19.21N 64.69W 43–20
TRN I 25 12 48 01.1 19.13N 64.74W 34 3.5 ¶11617237
NEIC I 25 12 48 02.5 19.21N 64.69W 43 3.5
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC I 26 10 32 37.7–4.6 18.7N–.50 64.3W–.30 47–32 21 0-2
TRN I 26 10 32 37.8 18.70N 64.44W 35 3.5 ¶11617576
NEIC I 26 10 32 38.9 18.73N 64.34W 40 3.5
RSPR I 26 10 32 38.9 18.73N 64.34W 40–7 3.5
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR I 27 02 30 48.4 19.24N 64.61W 54–4 3.1
TRN I 27 02 30 46.9 19.17N 64.65W 32 3.1 ¶11625171
NEIC I 27 02 30 48.4 19.24N 64.61W 54 3.1
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 27 03 14 05.1 19.14N 64.53W 65–7
TRN I 27 03 14 03.6 19.11N 64.56W 59 3.1 ¶11625173
NEIC I 27 03 14 05.1 19.14N 64.53W 65 3.2

RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 27 04 58 13.7 19.04N 64.40W 31–27
TRN I 27 04 58 12.0 18.98N 64.47W 34 3.1 **¶11625174**
NEIC I 27 04 58 13.7 19.04N 64.40W 31 3.1
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 28 17 43 50.7 19.13N 64.82W 8–5 3.2
TRN I 28 17 43 49.0 19.08N 64.79W 35 3.2 **¶11656174**
NEIC I 28 17 43 50.7 19.14N 64.82W 8 3.2
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 30 08 37 33.6 18.74N 64.12W 52–1
TRN I 30 08 37 32.6 18.59N 64.16W 43 3.1 **¶11657463**
NEIC I 30 08 37 33.6 18.74N 64.12W 52 3.1
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR I 30 10 19 40.7 19.24N 64.84W 35–19 2.9
TRN I 30 10 19 39.4 19.13N 64.88W 34 2.9 **¶11657464**
RSPR Event type ke.
RSPR I 31 18 31 20.0 18.80N 64.97W 60–3 2.5
TRN I 31 18 31 18.6 18.75N 65.01W 56 2.5 **¶11657516**
NEIC I 31 18 31 20.0 18.80N 64.97W 60 2.5
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 01 20 13 46.3 19.17N 64.61W 35–8 2.7
NEIC II 01 20 13 28.0 19.17N 64.61W 35 2.7 **¶11659293**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 08 01 03 24.3 18.88N 64.90W 51–9
TRN II 08 01 03 23.2 18.80N 65.16W 16 **¶11667417**
RSPR Event type ke.
RSPR II 17 01 17 52.3 18.83N 64.31W 36–3 2.8
TRN II 17 01 17 51.2 18.82N 64.52W 24 2.8 **¶11678702**
NEIC II 17 01 17 52.3 18.83N 64.31W 36 2.8
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC II 18 08 28 53.2–1.0 18.05N–.04 64.20W–.02 14–7 3.7b 125 1-84
IDC II 18 08 28 51.9–1.0 18.30N 64.17W 0 3.7,3.5 **¶11682846**
TRN II 18 08 28 52.5 18.14N 64.18W 20 4.1,4.1
ISCJB II 18 08 28 54.2–.48 18.14N–.05 64.17W–.02 27–5 3.5b,4.1
RSPR II 18 08 28 55.1 18.21N 64.18W 4–2 3.7,4.1
NEIC II 18 08 28 55.1 18.21N 64.18W 4 3.7,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=17.1km az=18.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=2.8km az=13.3.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC II 24 22 41 23.1–1.7 19.19N–.07 64.88W–.05 18–5 77 1-6
ISCJB II 24 22 41 22.1–.95 19.30N–.05 64.87W–.04 27–9 **¶11729147**
RSPR II 24 22 41 24.7 19.26N 64.83W 20–24 3.8
NEIC II 24 22 41 24.7 19.26N 64.83W 20 3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.6km az=18.1.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 28 11 56 12.5 19.18N 64.41W 15–8 3.2
NEIC II 28 11 56 12.5 19.18N 64.41W 15 3.2 **¶11730786**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 28 12 15 38.2 18.52N 64.64W 79–0
TRN II 28 12 15 37.4 18.47N 64.67W 73 **¶11730855**
NEIC II 28 12 15 38.2 18.52N 64.64W 79 2.9
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 28 21 01 55.7 19.07N 64.82W 17–3 3.4
NEIC II 28 21 01 55.7 19.07N 64.82W 17 3.3 **¶11730986**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR II 28 21 04 54.9 19.01N 64.85W 38–14
NEIC II 28 21 04 54.9 19.01N 64.85W 38 3.0 **¶11730987**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC III 04 19 03 12.9–3.9 19.0N–.10 64.3W–.20 41–21 50 0-3
TRN III 04 19 03 09.4 18.90N 64.16W 57 **¶11752798**
RSPR III 04 19 03 11.5 19.01N 64.17W 53–2 3.6
NEIC III 04 19 03 11.5 19.01N 64.17W 53 3.6
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 08 15 08 21.1 19.05N 64.76W 77–5 3.0
NEIC III 08 15 08 21.1 19.05N 64.76W 77 3.0 **¶11788816**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 10 23 07 57.7 19.77N 64.14W 43–14 3.6
NEIC III 10 23 07 57.7 19.77N 64.14W 42 3.6 **¶11792801**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 12 12 13 27.8 19.24N 64.85W 33–17 3.5
NEIC III 12 12 13 27.8 19.24N 64.85W 33 3.5 **¶11876222**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 21 20 58 54.1 18.47N 64.36W 69–1 3.1
TRN III 21 20 58 53.7 17.99N 64.50W 24 3.1 **¶12054518**
NEIC III 21 20 58 54.1 18.47N 64.36W 69 3.0
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 21 21 13 39.8 18.90N 64.60W 3–2 3.0
TRN III 21 21 13 38.3 18.85N 64.63W 25 3.0 **¶12054521**
NEIC III 21 21 13 39.8 18.90N 64.60W 3 3.0
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 21 21 49 06.7 18.90N 64.62W 8–2 3.3
TRN III 21 21 49 05.3 18.82N 64.66W 28 3.3 **¶12054522**
NEIC III 21 21 49 06.7 18.90N 64.62W 8 3.3
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 01 10 55 41.7 19.23N 64.78W 74–19 3.5
NEIC IV 01 10 55 41.7 19.23N 64.78W 74 3.5 **¶12084515**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 08 04 37 02.4 19.12N 64.12W 36–7 3.7
NEIC IV 08 04 37 02.4 19.12N 64.12W 36 3.7 **¶12100766**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IV 12 19 57 46.7–.81 19.17N–.07 64.72W–.03 20–6 3.7b 97 1-64
IDC IV 12 19 57 43.8–1.2 18.99N 65.27W 0 3.7,3.5 **¶12582165**
ISCJB IV 12 19 57 45.5–1.0 19.26N–.04 64.69W–.03 25–7 3.7b,3.3s
RSPR IV 12 19 57 48.0 19.17N 64.65W 13–3 3.9,3.3s
NEIC IV 12 19 57 48.0 19.17N 64.65W 13 2.9,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=45.4km s-min=27.2km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.1km az=3.9.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 13 14 08 44.6 19.42N 64.94W 44–19 3.2
NEIC IV 13 14 08 44.6 19.42N 64.94W 44 3.2 **¶12582393**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IV 15 07 22 24.4 18.94N 64.91W 109–11
¶12590726

RSPR Event type ke.
ISC IV 18 08 24 44.9–.91 19.24N–.07 64.16W–.06 22 3.4b 70 1-63
IDC IV 18 08 24 43.0–1.3 19.31N 64.25W 0 3.7,3.5 **¶12609825**
ISCJB IV 18 08 24 44.0–.69 19.38N–.06 64.27W–.05 22 3.4b,3.5
NEIC IV 18 08 24 44.5 19.27N 64.01W 48 3.8,3.5
RSPR IV 18 08 24 44.5 19.27N 64.01W 48–17 3.8,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=25.4km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.3km az=173.1.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC IV 18 09 46 56.9–3.4 19.1N–.10 64.1W–.20 34–3 60 1-3
NEIC IV 18 09 46 57.3 19.17N 64.12W 25 3.6 **¶12609857**
RSPR IV 18 09 46 57.3 19.17N 64.12W 25–18 3.6
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC IV 18 10 11 56.3–1.9 19.29N–.05 64.30W–.03 8–12 3.7b,3.4s 132 1-163
IDC IV 18 10 11 54.7–.69 19.21N 64.29W 0 4.0,3.8 **¶12609858**
ISCJB IV 18 10 11 56.7–1.2 19.34N–.04 64.30W–.03 23–9 3.7b,3.4s
RSPR IV 18 10 11 58.5 19.38N 64.28W 10–11 3.7,3.4s
NEIC IV 18 10 11 58.5 19.38N 64.28W 10 3.7,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=16.0km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.9km az=172.9.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IV 24 15 19 12.0–2.7 19.1N–.10 64.7W–.10 42 72 1-6
NEIC IV 24 15 19 11.1 19.19N 64.59W 25 3.5 **¶12692556**
RSPR IV 24 15 19 11.1 19.19N 64.59W 25–18 3.5
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC IV 25 22 26 30.6–2.1 18.90N–.07 64.29W–.07 4–11 3.4b 80 1-70
IDC IV 25 22 26 29.3–1.7 18.89N 64.19W 0 5.4L,3.7 **¶12697287**
TRN IV 25 22 26 35.3 18.74N 64.37W 35 5.4L,3.7
RSPR IV 25 22 26 36.5 18.78N 64.29W 46–5 3.8,3.7
NEIC IV 25 22 26 36.5 18.78N 64.29W 46 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=27.7km az=96.0.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR V 07 00 54 43.6 19.12N 64.13W 6–14 3.5
NEIC V 07 00 54 43.6 19.12N 64.13W 6 3.5 **¶12757557**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR V 20 19 55 26.2 18.73N 64.06W 160–1 3.6
TRN V 20 19 55 24.3 18.59N 63.92W 160 3.6 **¶12847721**
NEIC V 20 19 55 26.2 18.74N 64.06W 160 3.6
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC V 23 18 08 40.3–2.9 19.2N–.10 64.8W–.10 25 48 1-2
RSPR V 23 18 08 42.1 19.17N 64.86W 10–8 3.6 **¶12854299**
NEIC V 23 18 08 42.1 19.17N 64.86W 10 3.6
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC V 23 23 15 36.6–2.1 18.9N–.10 64.33W–.06 10 64 1-4
ISCJB V 23 23 15 35.3–.96 18.91N–.09 64.32W–.04 10 **¶12861529**
TRN V 23 23 15 38.0 17.93N 64.54W 3
NEIC V 23 23 15 39.6 18.82N 64.35W 8 3.8
RSPR V 23 23 15 39.6 18.82N 64.35W 8–1 3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=4.8km az=2.9.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR V 24 00 29 46.1 18.80N 64.36W 25–7 3.0
TRN V 24 00 29 45.2 18.74N 64.54W 26 3.0 **¶12861532**
NEIC V 24 00 29 46.1 18.80N 64.36W 25 3.0
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC V 25 10 18 47.5–3.0 19.2N–.20 64.92W–.09 25 36 1-2
RSPR V 25 10 18 49.2 19.24N 64.88W 25–23 3.5 **¶12862118**
NEIC V 25 10 18 49.2 19.24N 64.87W 25 3.5
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 07 19 49 09.2 19.19N 64.85W 45–10 3.5
NEIC VI 07 19 49 09.2 19.19N 64.85W 45 3.5 **¶12948619**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VI 17 09 19 56.5–4.5 19.5N–.20 64.3W–.20 27 18 1-3
RSPR VI 17 09 19 57.1 19.54N 64.31W 53–11 3.5 **¶13197306**
NEIC VI 17 09 19 57.1 19.54N 64.31W 53 3.5
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 19 18 29 48.9 19.17N 64.69W 73–6
NEIC VI 19 18 29 48.9 19.17N 64.69W 73 3.5 **¶13201565**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VI 22 02 10 41.5–1.6 19.20N–.06 64.46W–.03 11–10 4.0b,3.6s 93 1-162
IDC VI 22 02 10 39.4–.69 19.47N 64.42W 0 4.0,3.9 **¶13207297**
RSPR VI 22 02 10 43.6 19.21N 64.35W 25–22 4.0,3.9
NEIC VI 22 02 10 43.6 19.21N 64.35W 25 4.4b,4.0
TRN VI 22 02 11 16.8 17.18N 62.71W 13 3.9,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=17.0km az=22.0.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 22 02 57 55.5 19.10N 64.19W 24–28
NEIC VI 22 02 57 55.5 19.10N 64.19W 24 3.5 **¶13207303**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 22 03 07 28.9 19.04N 64.28W 62–1 3.2
NEIC VI 22 03 07 28.9 19.04N 64.28W 62 3.2 **¶13208536**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 22 04 48 09.6 19.24N 64.28W 25–24 3.6
NEIC VI 22 04 48 09.6 19.24N 64.28W 25 3.6 **¶13207305**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 22 05 23 11.8 19.21N 64.34W 32–18 3.6
NEIC VI 22 05 23 11.8 19.21N 64.34W 32 3.6 **¶13207306**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 23 08 38 21.6 19.01N 64.24W 61–2
NEIC VI 23 08 38 21.6 19.01N 64.24W 61 3.5 **¶13221845**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 24 23 13 03.7 19.13N 64.33W 52–2 3.5
NEIC VI 24 23 13 03.7 19.13N 64.33W 52 3.5 **¶13256731**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VI 27 19 08 00.2–2.8 19.2N–.10 64.4W–.10 43–23 73 0-7
ISCJB VI 27 19 07 59.5–1.1 19.21N–.07 64.45W–.06 41–26 **¶13307074**
RSPR VI 27 19 08 00.4 19.19N 64.39W 45–2 3.5
NEIC VI 27 19 08 00.4 19.19N 64.39W 45 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=9.6km az=153.5.
RSPR Event type ke.

NEIC Event type se. After RSPR.
RSPR VI 29 00 50 28.8 19.24N 64.79W 19–7 3.5
NEIC VI 29 00 50 28.8 19.24N 64.79W 19 3.5 ¶13307290
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 29 17 50 00.4 18.67N 64.13W 34–1 2.8
TRN VI 29 17 49 59.4 18.70N 64.29W 38 2.8 ¶13307341
NEIC VI 29 17 50 00.4 18.67N 64.13W 34 2.8
RSPR Event type ke.
NEIC Event type se. After RSPR.

(92) Leeward Islands.

TRN I 02 06 24 41.1 17.47N 61.81W 31 3.5,3.4
¶14227639
TRN I 03 00 36 11.4 17.17N 62.34W 24 3.8,3.7
¶14227641
TRN I 09 03 33 06.8 15.49N 61.08W 146 3.3,3.2
¶14228575
TRN I 10 05 25 26.9 15.13N 61.04W 145 3.7,2.6
¶14228577
ISC I 13 01 54 02.8–.81 17.46N–.10 62.53W–.08 107–6 3.5b 33 0-62
ISCJB I 13 01 54 02.0–.51 17.46N–.07 62.54W–.07 112–4 3.5b ¶12081159
TRN I 13 01 54 02.3 17.44N 62.53W 102 4.2,3.7
IDC I 13 01 54 02.3–1.0 17.44N 62.51W 102–15 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=4.7km az=42.8.
IDC Error ellipse: s-maj=27.4km s-min=7.7km az=27.0.
TRN I 13 17 24 47.9 17.33N 61.39W 26 3.3,3.3
¶14229498
RSPR I 20 17 03 49.0 18.04N 63.93W 25–36 2.7
TRN I 20 17 03 47.5 18.08N 64.06W 32 2.7 ¶11613359
NEIC I 20 17 03 49.0 18.04N 63.93W 25 2.7
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN I 20 20 25 16.1 15.86N 61.61W 3 2.5,2.1
¶14229514
ISC I 21 07 38 54.1–1.7 17.96N–.07 63.98W–.05 117–11 67 1-3
ISCJB I 21 07 38 53.8–.88 17.93N–.08 64.01W–.04 116–8 ¶11615823
TRN I 21 07 38 53.5 17.95N 63.99W 109 3.5
RSPR I 21 07 38 55.7 17.99N 64.05W 112–0 3.5
NEIC I 21 07 38 55.7 17.99N 64.05W 112 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=6.1km az=15.4.
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN I 24 00 26 08.2 15.15N 60.98W 140 3.5,2.7
¶14229528
RSPR I 25 12 57 49.6 18.69N 63.81W 24–14 3.4
TRN I 25 12 57 47.7 18.72N 63.90W 34 3.4 ¶11617239
NEIC I 25 12 57 49.6 18.69N 63.81W 24 3.4
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN I 31 06 26 19.6 17.03N 60.69W 34 3.5
¶14229547
ISC II 01 13 48 27.9–.67 15.13N–.04 61.12W–.09 150–5 3.7b 62 0-165
ISCJB II 01 13 48 26.8–.37 15.15N–.03 61.09W–.08 153–2 3.5b ¶12699335
TRN II 01 13 48 26.4 15.17N 60.99W 149 3.6,2.8
IDC II 01 13 48 27.0–.38 15.09N 61.21W 141–3 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=4.3km az=162.6.
IDC Error ellipse: s-maj=13.5km s-min=5.5km az=80.0.
ISC II 05 06 08 04.4–.56 16.07N–.03 60.70W–.05 53–4 4.4b,3.8s 410 0-126
ISCJB II 05 06 08 05.0–.36 16.02N–.02 60.79W–.04 72–2 4.3b,3.8s ¶11667318
TRN II 05 06 08 04.9 16.02N 60.75W 41 4.5,4.3
NEIC II 05 06 08 04.1–.23 16.09N 60.63W 53 4.5b,4.4
MOS II 05 06 08 04.5–.94 15.95N 60.89W 68 4.7b,4.4
IDC II 05 06 08 05.5–3.2 16.05N 60.74W 66–30 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=2.5km az=157.3.
TRN Event type fe. Felt Dominica and III Guadeloupe.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.3km az=55.0. Felt at Lamentin, Les Abymes and Saint-Francois, Guadeloupe. Felt at Portsmouth and Roseau, Dominica and at Basse-Pointe, La Trinite and Sainte-Marie, Martinique.
MOS Error ellipse: s-maj=15.2km s-min=8.8km az=131.0.
IDC Error ellipse: s-maj=17.3km s-min=11.4km az=64.0.
TRN II 08 05 48 57.1 15.37N 61.05W 139 3.6,2.8
¶14260294
RSPR II 08 06 39 25.5 19.81N 63.14W 66–16 3.8
¶11667426
RSPR Event type ke.
ISC II 21 04 58 07.7–2.0 18.0N–.10 62.1W–.10 51–22 3.4b 29 1-67
IDC II 21 04 58 00.4–.97 17.87N 62.23W 0 3.8,3.6 ¶12701401
ISCJB II 21 04 58 07.1–1.2 18.0N–.10 62.16W–.08 65–14 3.6b,3.6
TRN II 21 04 58 07.0 17.77N 61.81W 3 3.6,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=21.4km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=7.5km az=32.6.
TRN III 17 07 45 45.3 16.74N 61.84W 109 3.7,3.3
¶14418903
TRN III 22 12 01 18.2 17.34N 61.18W 11 3.5,3.3
¶14418908
TRN III 24 01 32 35.5 15.06N 60.57W 54 3.7,3.2
¶14418910
ISC IV 02 11 35 32.1–3.3 19.1N–.10 63.70W–.07 5–24 45 1-7
RSPR IV 02 11 35 33.5 19.26N 63.63W 15–31 3.6 ¶12084975
NEIC IV 02 11 35 33.5 19.26N 63.63W 15 3.6
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN IV 05 02 03 38.8 15.21N 60.31W 31 3.6,3.4
¶14682622
TRN Event type fe. Felt II Guadeloupe, Martinique.
TRN IV 07 08 05 30.8 18.38N 61.00W 47 4.1,3.8
¶14682651
TRN IV 08 23 50 58.7 16.91N 61.78W 59 4.1,3.6
¶14682756
TRN IV 11 05 18 32.1 17.46N 62.15W 13 3.8,3.8
¶14682796
ISC IV 13 18 02 58.3–.93 15.69N–.03 61.47W–.05 19–2 4.1b 74 0-75
IDC IV 13 18 02 55.4–.95 15.76N 61.36W 0 5.9L,4.1 ¶12935168
TRN IV 13 18 02 56.5 15.74N 61.44W 15 3.7,3.5
NEIC IV 13 18 02 57.6 15.72N 61.38W 20 3.7,3.6
ISCJB IV 13 18 02 58.1–.32 15.76N–.03 61.48W–.06 27–3 3.8b,3.3s
ISC Event type ke.
TRN Event type fe. Felt III Guadeloupe.
NEIC Event type fe. Felt in the Portsmouth area. After TRN.
ISCJB Event type fe.
TRN IV 18 08 49 07.3 18.49N 62.07W 71 3.8
¶14682876
TRN IV 29 09 47 60.0 15.01N 61.09W 170 3.5,3.1
¶14682970
TRN V 09 20 31 49.2 17.61N 61.65W 22 3.7,3.6
¶14772052
TRN V 17 06 31 44.3 15.60N 60.50W 35 3.5,3.0
¶14772084
ISC V 19 08 05 06.2–.66 15.26N–.04 61.48W–.09 154–5 3.6b 71 0-164
ISCJB V 19 08 05 05.7–.30 15.29N–.03 61.42W–.08 159–2 3.5b ¶13439708
IDC V 19 08 05 05.9–.61 15.31N 61.58W 151–4 3.6,3.4
TRN V 19 08 05 06.8 15.26N 61.48W 145 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=3.8km az=162.8.
IDC Error ellipse: s-maj=16.0km s-min=8.6km az=79.0.
ISC V 21 01 02 25.7–.74 18.15N–.05 62.79W–.04 28–5 3.9b 59 1-164
IDC V 21 01 02 25.1–.87 17.97N 62.85W 25–5 4.0,3.7 ¶12867798
NEIC V 21 01 02 27.1–1.0 18.17N 62.78W 35 3.8,3.7
TRN V 21 01 02 27.6 17.91N 62.66W 17 3.8,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=27.9km s-min=16.8km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=20.2km s-min=5.0km az=209.0. Felt on Saint Kitts and Saint Martin.
TRN V 21 19 22 19.0 15.05N 61.27W 150 3.6,3.0
¶14772091
TRN V 22 11 11 27.7 15.35N 60.82W 27 3.8,3.8
¶14772094
ISC V 23 08 29 15.2–.86 18.39N–.08 63.69W–.04 74–9 3.9b 132 1-71
ISCJB V 23 08 29 14.5–.45 18.34N–.07 63.72W–.03 85–6 3.8b ¶12854223
TRN V 23 08 29 14.5 18.30N 63.74W 69 3.6
IDC V 23 08 29 15.2–2.2 18.40N 63.59W 74–26 3.8,3.6
RSPR V 23 08 29 16.6 18.29N 63.74W 75–2 3.8,3.6
NEIC V 23 08 29 16.6 18.29N 63.74W 75 3.8,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=2.7km az=19.5.
IDC Error ellipse: s-maj=28.2km s-min=14.2km az=33.0.
RSPR Event type ke.
NEIC Event type fe. Felt on Saint Martin. After RSPR.
TRN V 23 08 52 49.2 16.76N 61.24W 27 3.5,3.1
¶14772098
TRN V 24 02 11 59.3 15.83N 61.53W 17 3.5,3.1
¶14772107
TRN Event type fe. Felt II Guadeloupe.
ISC V 28 16 28 08.8–.46 15.10N–.03 60.42W–.05 52–3 4.5b,3.8s 235 1-165
TRN V 28 16 28 07.8 15.09N 60.42W 53 4.6,4.1 ¶13439809
ISCJB V 28 16 28 08.6–.43 15.09N–.02 60.45W–.05 66–3 4.4b,4.1
NEIC V 28 16 28 08.9 15.05N 60.45W 61 4.6b,4.1
IDC V 28 16 28 08.9–.59 15.13N 60.39W 49–5 4.2,4.1
BJI V 28 16 28 08.5 15.10N 60.50W 60 5.2b,5.1s
ISC Event type fe.
TRN Event type fe. Felt II, III, Martinique.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=2.9km az=164.6.
NEIC Event type fe. Felt [III] at Fort-de-France and Le Lamentin. Also felt at Ducos, La Trinite, Le Marin, Le Robert, Saint-Joseph, Sainte-Luce and Schoelcher. Felt [II] at Gros Islet, Saint Lucia. Also felt at Castries and Choc. Felt at Canefield, Dominica and at Oistins, Barbados. After TRN.
IDC Error ellipse: s-maj=13.5km s-min=10.9km az=95.0.
RSPR V 29 03 06 17.1 19.14N 63.99W 15–1 3.5
NEIC V 29 03 06 17.1 19.14N 63.99W 15 3.5 ¶12868616
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VI 01 04 33 54.1–.42 19.55N–.05 63.47W–.03 41–4 4.3b 188 2-163
ISCJB VI 01 04 33 49.8–1.3 19.59N–.03 63.43W–.02 20–10 4.2b,3.6s ¶12870918
RSPR VI 01 04 33 51.2 19.88N 63.48W 46–15 4.2b,3.6s
TRN VI 01 04 33 51.2 19.52N 62.74W 3 4.2b,3.6s
IDC VI 01 04 33 54.0–.47 19.52N 63.42W 42–4 3.9,3.9
NEIC VI 01 04 33 54.0–.79 19.48N 63.53W 36–9 4.5b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=13.1.
RSPR Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=10.0km az=42.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.4km az=208.0.
ISC VI 01 04 35 10.6–.40 19.55N–.04 63.47W–.03 43–3 4.7b,4.0s 295 1-163
ISCJB VI 01 04 35 08.7–.54 19.57N–.03 63.46W–.02 48–6 4.6b,4.0s ¶12870919
GCMT VI 01 04 35 09.5–.30 19.91N 63.55W 19–1 5.0W,4.0s
NEIC VI 01 04 35 09.9–.46 19.57N 63.48W 41–5 4.8b,4.6
RSPR VI 01 04 35 09.9 19.80N 63.56W 25–16 4.7,4.6
IDC VI 01 04 35 10.7–.41 19.50N 63.40W 43–4 4.2,4.2
BJI VI 01 04 35 10.3 19.60N 63.40W 40 5.2b,4.2
SZGRF VI 01 04 35 20.3 20.67N 62.09W 33 5.0b,4.1s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.2km az=15.0.
GCMT Event type se. Data Used: II G CN IC IU. Moment Tensor Solution. s22,c25; s75,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.56±.18 $M_{\theta\theta}$3.99±.15; $M_{\phi\phi}$-3.43±.15; $M_{r\theta}$-0.07±.25; $M_{\theta\phi}$-2.08±.10; $M_{\theta r}$0.94±.33; Best double couple: NP1:ϕ_s240.00000°,δ78.00000°,λ-173.00000°. NP2:ϕ_s149.00000°,δ83.00000°,λ-12.00000°. Principal axes: T 4.5500,Plg4.0000° ,Azm195.0000°; N -0.3600,Plg76.0000°,Azm299.0000°; P -4.1900,Plg14.0000° ,Azm104.0000° $M_0$4.40000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.3km az=204.0. Felt at Cul de Sac, Saint Martin and on Saint Thomas, U.S. Virgin Islands.
RSPR Event type ke.
IDC Error ellipse: s-maj=9.4km s-min=7.2km az=85.0.
SZGRF North Atlantic Ocean.
RSPR VI 01 17 27 15.3 19.48N 63.53W 109–8 3.5
NEIC VI 01 17 27 15.3 19.48N 63.53W 109 3.5 ¶12871352
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VI 02 01 58 55.8 18.28N 63.94W 25–13
TRN VI 02 01 58 55.3 18.00N 64.37W 5 ¶12872809
NEIC VI 02 01 58 55.8 18.28N 63.94W 25 3.4
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN VI 12 00 36 11.5 16.76N 61.98W 106 3.8,3.2
¶14766868
TRN VI 12 09 26 28.8 17.04N 62.25W 18 3.5
¶14766869
TRN VI 13 00 21 22.3 18.78N 61.25W 83 3.8
¶14766870
TRN VI 13 11 37 13.6 15.29N 61.08W 115 3.6,2.6
¶14766871
TRN VI 20 23 15 36.9 17.44N 61.18W 21 3.7,3.6
¶14766892
TRN VI 21 03 19 07.8 16.62N 59.75W 30 3.8,3.5
¶14766893
ISC VI 26 08 32 40.6–.93 15.10N–.06 61.2W–.20 161–6 3.3b 44 0-75
ISCJB VI 26 08 32 40.0–.58 15.07N–.05 61.3W–.20 164–4 3.2b ¶13682053
TRN VI 26 08 32 40.1 15.11N 61.23W 159 3.7,2.7
IDC VI 26 08 32 40.5–.72 15.12N 61.29W 157–13 3.4,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.1km s-min=4.4km az=164.4.
IDC Error ellipse: s-maj=61.2km s-min=8.5km az=84.0.

(93) Belize.

IDC V 28 11 27 02.9–12 16.91N 88.28W 0 4.1L,3.7
¶16156263
IDC Error ellipse: s-maj=264.7km s-min=86.3km az=2.0.
ISC VI 02 09 34 38.8–3.1 16.43N–.05 88.2W–.10 15–19 20 2-140
CASC VI 02 09 34 35.2–3.0 16.33N 87.59W 38–999 4.3,4.1L ¶13680208
IDC VI 02 09 34 41.3–3.5 16.72N 88.07W 0 3.8,3.8L
ISC Event type ke.
CASC Error ellipse: s-maj=42.5km s-min=17.0km az=-1.0.
IDC Error ellipse: s-maj=74.8km s-min=45.5km az=106.0.
CASC VI 06 12 40 21.3–3.2 16.36N 88.24W 20–196 3.8
¶14931297
CASC Error ellipse: s-maj=127.8km s-min=55.3km az=-1.0.
ISC VI 07 02 13 25.6–.94 16.01N–.05 88.19W–.06 10 25 2-62
CASC VI 07 02 13 08.6–3.0 16.93N 87.55W 0–90 4.4L,4.2 ¶13680753
ISCJB VI 07 02 13 26.4–.52 15.86N–.03 88.26W–.06 10 3.6b,2.8s
IDC VI 07 02 13 26.4–2.5 15.86N 87.85W 0 3.8,3.8L
ISC Event type ke.
CASC Error ellipse: s-maj=162.7km s-min=115.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.5km az=4.4.
IDC Error ellipse: s-maj=37.5km s-min=26.2km az=60.0.
CASC VI 08 12 35 23.3–2.7 16.73N 88.13W 0–248 4.1
¶14931343

CASC Error ellipse: s-maj=435.2km s-min=284.4km az=-1.0.
CASC VI 12 05 37 20.3–3.2 16.17N 88.05W 0–20 4.0
¶14931413

CASC Error ellipse: s-maj=45.9km s-min=22.4km az=-1.0.
CASC VI 12 14 41 52.6–2.5 16.08N 88.16W 18–55 4.2
¶14931426

CASC Error ellipse: s-maj=34.1km s-min=13.7km az=-1.0.

(95) Windward Islands.

ISC I 02 03 40 15.7–2.0 11.40N–.06 61.74W–.05 100–16 20 1-6
ISCJB I 02 03 40 16.1–1.1 11.38N–.05 61.75W–.04 93–11 ¶14227638
FUNV I 02 03 40 17.4 11.43N 61.66W 58 2.6W
TRN I 02 03 40 18.9 11.46N 61.57W 80 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=7.2km az=6.5.
TRN I 04 07 19 56.0 12.94N 60.15W 35 3.7,3.1
¶14227644

ISC I 06 05 32 23.0–.92 11.26N–.03 60.23W–.06 43–8 4.3b 99 0-164
IDC I 06 05 32 16.7–.85 11.15N 60.35W 0 4.1,4.0 ¶12080464
ISCJB I 06 05 32 22.6–.45 11.28N–.02 60.31W–.04 62–4 4.0b,4.0
FUNV I 06 05 32 22.0 11.19N 60.14W 23 4.1W,4.0
NEIC I 06 05 32 23.5–.99 11.23N 60.34W 48–9 4.3b,4.0
TRN I 06 05 32 23.0 11.39N 60.27W 28 4.6,3.8
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=20.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=19.7.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.4km az=112.0.
ISC I 07 23 01 31.4–1.6 11.18N–.05 62.22W–.04 147–11 31 1-8
ISCJB I 07 23 01 33.8–.69 11.10N–.04 62.24W–.04 126–6 ¶14228570
FUNV I 07 23 01 37.4 11.05N 62.39W 125 3.0W
TRN I 07 23 01 39.8 11.26N 61.93W 95 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.3km az=150.7.
TRN I 09 02 18 47.2 14.74N 59.89W 35 3.8,3.7
¶14228574

TRN I 18 21 49 30.4 14.12N 60.94W 17 3.7,3.3
¶14229508

TRN Event type fe. Felt II and III in Saint Lucia.
TRN I 20 18 35 30.5 14.67N 60.37W 38 3.6,3.5
¶14229512

ISC I 22 11 48 28.5–1.7 11.21N–.05 62.05W–.06 141–11 26 1-5
ISCJB I 22 11 48 29.3–.85 11.19N–.04 62.06W–.05 129–7 ¶14229524
FUNV I 22 11 48 30.8 11.28N 62.03W 118 3.4W
TRN I 22 11 48 32.7 11.30N 61.82W 129 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.8km az=34.9.
TRN I 24 20 25 19.9 13.88N 60.44W 29 3.5,3.0
¶14229530

ISC I 25 17 16 42.2–1.5 11.24N–.04 62.15W–.05 147–10 37 1-6
ISCJB I 25 17 16 43.7–.69 11.30N–.04 62.25W–.05 129–7 ¶14229534
TRN I 25 17 16 44.7 11.30N 61.84W 136 3.6
FUNV I 25 17 16 45.4 11.18N 62.04W 121 3.2W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.6km az=40.3.
ISC I 26 16 30 53.7–1.5 11.53N–.03 61.19W–.05 84–12 36 1-7
FUNV I 26 16 30 52.5 11.50N 61.03W 20 3.5W ¶14229535
ISCJB I 26 16 30 53.1–.66 11.53N–.03 61.21W–.04 88–7 3.5W
TRN I 26 16 30 55.3 11.56N 61.20W 66 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.3km az=9.6.
ISC I 28 17 30 58.6–.86 11.24N–.03 61.52W–.04 61–10 4.0b 68 1-145
ISCJB I 28 17 30 57.3–.28 11.22N–.02 61.52W–.03 73–4 3.9b ¶12082598
TRN I 28 17 30 58.1 11.29N 61.48W 20 3.7
FUNV I 28 17 30 58.8 11.11N 61.45W 26 4.1W
NEIC I 28 17 30 59.7–.91 11.35N 61.54W 77–8 3.6b,3.6
IDC I 28 17 31 01.0–5.9 11.44N 61.42W 82–38 3.8,3.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.1km az=23.3.
TRN Event type fe. Felt II and III in Port of Spain and environs, II inS t. Augustine and Mt. Hope.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=10.2km az=136.0. Felt [II] at Port-of-Spain. Also felt at Saint Joseph.
IDC Error ellipse: s-maj=58.4km s-min=35.3km az=66.0.
ISC II 08 05 36 13.9–.90 12.93N–.04 61.42W–.07 172–6 3.3b 45 0-62
IDC II 08 05 35 49.7–19 12.56N 60.87W 0 3.9,3.5 ¶12699768
ISCJB II 08 05 36 13.5–.49 12.96N–.03 61.46W–.07 172–4 3.3b,3.5
FUNV II 08 05 36 14.1 13.06N 61.11W 109 3.4W,3.5
TRN II 08 05 36 15.0 13.01N 61.44W 156 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=405.3km s-min=97.9km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=4.6km az=12.1.
ISC II 20 01 14 12.2–1.3 13.87N–.04 60.4W–.10 39–6 3.5b 28 1-76
IDC II 20 01 14 07.2–2.9 14.09N 60.28W 0 3.7,3.4 ¶12701299
ISCJB II 20 01 14 10.7–1.1 13.87N–.03 60.33W–.09 44–12 3.5b,3.4
TRN II 20 01 14 10.2 13.87N 60.42W 28 3.5,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=73.6km s-min=26.3km az=20.0.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=5.5km az=8.3.
ISC II 20 21 48 40.7–1.0 11.08N–.03 61.97W–.03 28–12 40 0-8
ISCJB II 20 21 48 40.2–.69 11.10N–.03 62.00W–.03 29–7 ¶14260349
FUNV II 20 21 48 40.6 11.12N 61.95W 13 3.5W
TRN II 20 21 48 42.5 11.02N 61.83W 28 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.7km az=136.9.
TRN II 22 23 02 49.6 13.91N 60.45W 17 3.7,3.7
¶14260359

TRN II 23 01 49 38.4 13.86N 60.43W 17 3.5,3.2
¶14260362

TRN II 23 19 16 41.9 14.01N 60.63W 3 3.5,2.9
¶14260364

TRN II 24 02 09 41.8 14.97N 61.17W 152 3.5,2.4
¶14260369

TRN III 15 08 24 13.4 11.56N 60.28W 162 3.5
¶14418898

ISC III 15 14 12 41.7–1.3 11.14N–.03 61.80W–.04 74–11 34 0-7
ISCJB III 15 14 12 41.5–.59 11.17N–.03 61.82W–.04 72–8 ¶14418899
FUNV III 15 14 12 42.2 11.05N 61.62W 31 2.9W
TRN III 15 14 12 43.5 11.22N 61.79W 31 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=26.1.
ISC III 22 01 49 35.2–.83 11.36N–.03 60.45W–.06 41–6 3.8b 58 0-78
IDC III 22 01 49 29.3–.76 11.39N 60.56W 0 4.1,3.9 ¶12635244
ISCJB III 22 01 49 34.4–.51 11.32N–.02 60.45W–.05 53–4 3.8b,3.0s
TRN III 22 01 49 35.8 11.45N 60.56W 24 3.6,3.0s
FUNV III 22 01 49 36.5 11.31N 60.41W 35 3.8W,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=17.3km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.1km az=5.0.
ISC III 23 22 59 22.5–1.3 11.01N–.03 62.33W–.04 123–9 44 0-6
ISCJB III 23 22 59 23.3–.56 11.07N–.03 62.37W–.03 110–7 ¶14418909
TRN III 23 22 59 24.4 11.10N 62.27W 123 3.6
FUNV III 23 22 59 26.2 10.93N 62.31W 100 3.4W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.9km az=41.2.
TRN III 29 03 57 19.7 14.00N 60.41W 29 3.6,3.3
¶14418914

ISC IV 07 16 20 39.5–1.3 11.57N–.03 61.81W–.04 104–10 47 1-9
TRN IV 07 16 20 39.5 11.62N 61.74W 102 3.5 ¶14682652
ISCJB IV 07 16 20 39.6–.53 11.57N–.03 61.84W–.03 100–6 3.5
FUNV IV 07 16 20 41.2 11.57N 61.68W 53 3.5W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=12.1.

TRN IV 22 01 42 03.3 12.95N 59.49W 44 3.5
¶14682913

TRN IV 24 15 16 53.6 14.82N 60.35W 15 3.7,3.5
¶14682928

TRN V 09 07 21 10.4 14.37N 61.05W 129 3.5
¶14772050

TRN V 09 10 05 37.0 14.84N 61.78W 143 3.7
¶14772051

ISC V 10 15 46 55.6–1.0 11.07N–.03 61.21W–.03 29–11 35 0-7
TRN V 10 15 46 55.4 11.10N 61.10W 36 3.1 ¶14772059
FUNV V 10 15 46 59.7 10.91N 61.33W 26 3.1W
ISC Event type ke.
ISC V 10 21 33 20.0–1.3 11.80N–.03 61.13W–.05 78–9 54 1-9
TRN V 10 21 33 19.6 11.86N 61.03W 24 3.5 ¶14772061
ISCJB V 10 21 33 19.9–.44 11.80N–.02 61.13W–.04 76–6 3.5
FUNV V 10 21 33 26.2 11.42N 61.23W 80 3.8W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.3km az=7.1.
ISC V 12 18 34 37.8–.80 11.33N–.03 60.56W–.05 44 3.9b 54 0-86
IDC V 12 18 34 28.8–2.5 10.89N 60.90W 0 4.1,3.8 ¶13678834
FUNV V 12 18 34 35.4 11.46N 60.36W 35 3.6W,3.8
ISCJB V 12 18 34 36.5–.50 11.30N–.02 60.51W–.05 44 3.8b,3.8
TRN V 12 18 34 37.2 11.40N 60.58W 27 3.6,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=75.3km s-min=30.3km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.4km az=8.0.
TRN V 27 21 01 10.0 14.11N 60.86W 19 3.5,2.5
¶14772113

TRN Event type fe. Felt Saint Lucia, II and III.
ISC V 28 17 40 06.3–.71 14.83N–.04 61.5W–.10 166–5 3.7b 51 0-85
ISCJB V 28 17 40 05.3–.37 14.81N–.04 61.5W–.10 173–2 3.7b ¶13439810
TRN V 28 17 40 05.3 14.87N 61.34W 170 3.9,3.8
IDC V 28 17 40 13.2–8.5 14.78N 61.62W 234–86 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.1km s-min=4.9km az=168.6.
IDC Error ellipse: s-maj=20.2km s-min=13.4km az=69.0.
TRN VI 03 04 29 04.2 14.09N 59.15W 97 3.8,3.6
¶14766828

ISC VI 30 21 51 22.9–1.6 11.10N–.05 62.06W–.05 125–12 27 0-6
ISCJB VI 30 21 51 24.9–.71 11.13N–.04 62.11W–.05 101–8 ¶14766922
FUNV VI 30 21 51 29.7 10.87N 62.26W 101 2.9W
TRN VI 30 21 51 30.9 11.24N 61.76W 76 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.7km az=31.9.

(96) Near north coast of Colombia.

FUNV III 01 03 53 58.4 11.92N 72.87W 35 3.5W
¶14544046

IDC III 21 09 39 43.7–4.5 11.68N 73.28W 102–40 3.2,3.1
¶12635172

IDC Error ellipse: s-maj=36.8km s-min=30.3km az=101.0.
FUNV V 14 17 44 18.2 11.40N 72.97W 13 3.7W
¶14785091

(97) Near coast of Venezuela.

ISC I 03 17 13 13.6–.75 10.64N–.04 62.44W–.04 95–7 3.9b 57 0-80
IDC I 03 17 13 02.9–1.0 11.02N 62.25W 0 4.0,3.8 ¶12079915
NEIC I 03 17 13 08.3–1.8 10.02N 62.04W 99–18 4.1b,3.8
ISCJB I 03 17 13 12.7–.34 10.61N–.03 62.46W–.03 99–3 3.7b,3.8
FUNV I 03 17 13 15.2 10.60N 62.42W 85 3.8W,3.8
TRN I 03 17 13 21.7 10.96N 62.09W 59 3.2,3.8
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=22.7km az=42.0.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=17.7km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=148.8.
ISC I 05 05 26 49.6–1.2 10.80N–.03 62.28W–.03 94–9 49 0-9
ISCJB I 05 05 26 49.5–.48 10.80N–.03 62.31W–.02 93–6 ¶14227646
FUNV I 05 05 26 51.1 10.85N 62.24W 81 3.4W
TRN I 05 05 26 52.5 10.83N 62.14W 83 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=161.0.
ISC I 08 00 16 57.2–1.2 10.66N–.04 62.32W–.04 47–9 19 0-6
ISCJB I 08 00 16 56.8–.56 10.58N–.05 62.31W–.03 54–8 ¶14228571
FUNV I 08 00 16 57.9 10.64N 62.22W 40 2.6W
TRN I 08 00 17 01.3 10.96N 62.13W 22 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=169.8.
ISC I 10 22 42 50.4–1.7 10.90N–.07 62.25W–.05 110–12 20 0-6
ISCJB I 10 22 42 51.0–.87 10.87N–.06 62.24W–.04 102–8 ¶14228578
FUNV I 10 22 42 51.9 10.95N 62.20W 98 2.8W
TRN I 10 22 42 57.0 11.11N 62.03W 28 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.6km az=172.5.
FUNV I 14 19 56 17.8 10.57N 63.04W 5 3.6W
¶14358178

ISC I 19 22 08 48.0–1.4 10.75N–.05 62.41W–.04 92–10 27 0-6
ISCJB I 19 22 08 48.1–.60 10.77N–.05 62.45W–.03 86–8 ¶14229509
FUNV I 19 22 08 51.2 10.67N 62.42W 74 2.9W
TRN I 19 22 08 52.9 10.91N 62.19W 78 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.7km az=159.2.
FUNV I 19 22 34 49.1 10.45N 63.66W 11 3.6W
¶14358321

FUNV I 19 22 35 45.7 10.46N 63.61W 16 3.5W
¶14358322

ISC I 31 06 17 19.3–1.3 10.79N–.04 62.08W–.04 62–11 29 0-6
ISCJB I 31 06 17 18.4–.51 10.79N–.04 62.08W–.03 69–7 ¶14229546
FUNV I 31 06 17 20.5 10.83N 62.03W 51 2.9W
TRN I 31 06 17 22.2 10.90N 61.93W 32 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.1km az=152.9.
FUNV II 04 02 05 17.6 11.61N 70.63W 22 3.5W
¶14358778

ISC II 05 06 39 07.9–1.3 10.85N–.04 62.19W–.04 81–9 27 0-6
ISCJB II 05 06 39 07.3–.58 10.85N–.04 62.19W–.03 82–7 ¶14260285
FUNV II 05 06 39 09.7 10.87N 62.14W 66 3.0W
TRN II 05 06 39 11.2 10.96N 62.07W 59 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.7km az=148.3.
ISC II 13 03 37 02.9–.63 10.70N–.03 62.54W–.03 107–5 3.8b 69 0-88
ISCJB II 13 03 37 01.4–.27 10.71N–.03 62.59W–.02 103–3 3.7b ¶12700441
FUNV II 13 03 37 03.0 10.72N 62.48W 100 3.7W
IDC II 13 03 37 04.9–.78 10.89N 62.61W 115–7 3.7,3.5
TRN II 13 03 37 05.8 10.80N 62.30W 103 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=137.4.
IDC Error ellipse: s-maj=16.6km s-min=10.6km az=103.0.
ISC II 13 21 22 13.8–1.2 10.97N–.03 62.01W–.03 30–12 3.8b 74 0-80
NEIC II 13 21 22 00.0 10.98N 62.00W 22 3.6 ¶12700586
TRN II 13 21 22 14.7 10.98N 61.96W 21 3.7
IDC II 13 21 22 15.6–6.0 11.12N 62.23W 75–41 3.6,3.4
FUNV II 13 21 22 15.2 10.80N 61.86W 49 3.8W,3.4
ISC Event type fe.
NEIC Event type fe. Felt at Diego Martin, Maraval, and Santa Cruz, Trinidad. After TRN.
TRN Event type fe. Felt II in Northern Trinidad.
IDC Error ellipse: s-maj=43.6km s-min=30.3km az=35.0.
FUNV II 17 01 15 43.8 10.36N 62.84W 5 2.8W
¶14359180

ISC II 18 12 20 34.6–1.4 10.63N–.05 62.57W–.04 109–9 26 0-6
ISCJB II 18 12 20 34.8–.68 10.62N–.05 62.56W–.04 102–7 ¶14260339
FUNV II 18 12 20 36.7 10.63N 62.53W 96 3.1W

TRN II 18 12 20 38.8 10.76N 62.38W 100 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.5km az=157.6.
ISC II 20 08 58 40.3–1.4 10.67N–.04 68.84W–.03 9–10 3.6b 27 0-69
ISCJB II 20 08 58 40.8–1.0 10.64N–.04 68.83W–.03 11–7 3.5b **¶12701324**
FUNV II 20 08 58 41.2 10.68N 68.82W 2 3.5W
IDC II 20 08 58 42.6–4.0 11.28N 68.89W 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=21.4.
IDC Error ellipse: s-maj=149.8km s-min=31.6km az=21.0.
ISC II 23 01 21 23.6–1.6 10.96N–.05 62.12W–.04 109–11 23 0-6
ISCJB II 23 01 21 24.6–.86 10.84N–.05 62.14W–.04 102–7 **¶14260361**
FUNV II 23 01 21 26.5 10.89N 62.11W 94 3.4W
TRN II 23 01 21 29.3 11.13N 61.83W 80 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.2km az=170.6.
FUNV II 25 00 49 36.4 10.55N 62.10W 60 3.1W
¶14359490
FUNV II 26 23 14 58.6 10.82N 62.18W 62 3.1W
TRN II 26 23 14 58.0 11.03N 62.02W 59 3.2 **¶14260375**
ISC II 27 19 03 11.9–1.3 10.57N–.04 62.47W–.03 82–9 32 0-6
ISCJB II 27 19 03 11.6–.54 10.56N–.04 62.45W–.03 81–7 **¶14260379**
FUNV II 27 19 03 13.5 10.60N 62.42W 71 3.2W
TRN II 27 19 03 15.8 10.61N 62.20W 85 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=157.3.
ISC II 28 16 29 00.9–1.4 10.90N–.04 62.14W–.04 117–9 37 0-6
ISCJB II 28 16 29 01.4–.61 10.90N–.04 62.16W–.03 107–7 **¶14260385**
FUNV II 28 16 29 02.3 11.01N 62.06W 99 3.4W
TRN II 28 16 29 04.1 10.94N 62.02W 102 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.7km az=141.2.
ISC III 09 08 34 41.8–1.3 10.73N–.05 62.35W–.04 85–9 25 0-6
ISCJB III 09 08 34 40.8–.65 10.78N–.05 62.37W–.04 88–7 **¶14418883**
FUNV III 09 08 34 42.8 10.75N 62.27W 76 3.1W
TRN III 09 08 34 47.6 11.00N 62.09W 22 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.7km az=150.0.
ISC III 16 08 33 06.0–1.2 10.66N–.04 62.25W–.03 90–8 48 0-7
ISCJB III 16 08 33 05.8–.47 10.70N–.03 62.27W–.03 89–6 **¶14418900**
FUNV III 16 08 33 07.2 10.73N 62.15W 77 3.7W
TRN III 16 08 33 08.5 10.74N 62.18W 76 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.4km az=139.6.
ISC III 17 05 57 51.1–1.3 10.56N–.04 62.55W–.03 108–9 38 0-6
ISCJB III 17 05 57 50.8–.62 10.56N–.04 62.56W–.03 105–7 **¶14418902**
FUNV III 17 05 57 52.1 10.63N 62.48W 102 3.1W
TRN III 17 05 57 54.8 10.57N 62.45W 85 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=156.3.
ISC III 25 01 42 10.1–.37 10.94N–.03 62.32W–.03 100–3 4.4b 557 0-162
ISCJB III 25 01 42 08.6–.17 10.98N–.02 62.33W–.02 102–1 4.4b **¶13437223**
BJI III 25 01 42 09.8 11.24N 62.70W 108 5.1b
IDC III 25 01 42 10.9–.53 11.01N 62.41W 102–4 4.1,4.1
TRN III 25 01 42 10.6 10.95N 62.12W 111 4.0,4.1
FUNV III 25 01 42 11.6 10.82N 62.24W 83 4.4W,4.1
NEIC III 25 01 42 12.0 10.79N 62.26W 82 4.6b,4.3W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=38.6.
IDC Error ellipse: s-maj=9.8km s-min=8.5km az=87.0.
NEIC Event type fe. Felt at Puerto La Cruz. Felt [II] at Mucurapo and Port-of-Spain, Trinidad. Also felt at Arima, Chaguanas, Diego Martin and Saint Joseph. Felt at Saint David and Saint George's, Grenada. After CAR.
FUNV III 25 10 25 53.8 9.49N 62.17W 8 3.5W
¶14544423
ISC III 28 13 10 14.8–.30 10.33N–.02 62.50W–.02 10 4.6b,3.6s 548 0-161
ISCJB III 28 13 10 13.9–.15 10.43N–.02 62.65W–.01 10 4.5b,4.0s **¶13437531**
NEIC III 28 13 10 16.4 10.31N 62.46W 4 4.7b,4.5W
FUNV III 28 13 10 16.4 10.29N 62.45W 3 4.6W,4.5W
MOS III 28 13 10 17.1–.96 10.53N 62.68W 33 4.7b,4.5W
TRN III 28 13 10 18.2 10.40N 62.45W 13 4.0,4.5W
IDC III 28 13 10 21.2–1.9 10.49N 62.64W 57–17 5.5L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=1.9km az=161.9.
NEIC Event type se. After CAR.
MOS Error ellipse: s-maj=9.8km s-min=8.1km az=40.0.
IDC Error ellipse: s-maj=14.4km s-min=10.3km az=122.0.
ISC III 28 20 07 55.3–1.1 10.36N–.04 62.38W–.03 13–9 34 0-6
ISCJB III 28 20 07 55.9–.51 10.41N–.04 62.41W–.02 22–5 **¶14418912**
FUNV III 28 20 07 55.1 10.32N 62.33W 1 3.8W
TRN III 28 20 07 59.1 10.52N 62.23W 13 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.3km az=157.9.
ISC IV 05 20 24 13.8–1.0 10.84N–.03 66.99W–.02 10–6 3.6b,3.6s 75 0-148
ISCJB IV 05 20 24 12.3–.68 10.85N–.03 67.03W–.02 5–5 3.9s,3.7b **¶12089193**
NEIC IV 05 20 24 13.6–.76 10.76N 66.84W 10 4.3b,4.3W
IDC IV 05 20 24 13.1–.92 10.97N 66.89W 0 4.0,3.9
FUNV IV 05 20 24 14.8 10.73N 67.03W 3 4.3W,3.9
BJI IV 05 20 24 15.5 10.80N 66.60W 10 5.0s,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.7km az=7.2.
NEIC Event type fe. Error ellipse: s-maj=14.8km s-min=8.8km az=109.0. Felt [IV] at Caraballeda, Caracas, La Guaira, Los Teques, Maiquetia, Petare and San Antonio de los Altos; [III] at Baruta, Chacao, El Hatillo, Los Dos Caminos and Maracay; [II] at El Cafetal, La Victoria and Valencia. Also felt at Altagracia de Orituco, Carrizal, El Limon, Guarenas, Guatire and Puerto Cabello.
IDC Error ellipse: s-maj=27.2km s-min=22.7km az=8.0.
ISC IV 06 04 51 37.6–1.1 10.83N–.03 67.90W–.02 7–7 4.5b,3.9s 350 0-157
ISCJB IV 06 04 51 35.7–.72 10.86N–.02 67.89W–.02 3–5 4.5b,3.9s **¶12934678**
NEIC IV 06 04 51 37.3 10.80N 67.90W 1 4.6b,4.4W
FUNV IV 06 04 51 38.1 10.77N 67.90W 4 4.4W,4.4W
IDC IV 06 04 51 39.6–4.6 10.80N 67.89W 20–29 4.2,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=3.0km az=14.1.
NEIC Event type fe. Felt [III] at Caracas. Also felt at Chacao, El Limon, Moron, Puerto Cabello and Valencia. After CAR.
IDC Error ellipse: s-maj=12.2km s-min=10.3km az=106.0.
ISC IV 09 17 19 22.0–1.1 10.69N–.04 62.37W–.03 84–9 32 0-6
ISCJB IV 09 17 19 21.6–.51 10.68N–.04 62.40W–.03 80–7 **¶14682769**
TRN IV 09 17 19 25.5 10.85N 62.11W 90 3.1
FUNV IV 09 17 19 27.1 10.43N 62.48W 30 3.2W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=163.4.
ISC IV 11 07 01 06.7–1.3 10.71N–.04 62.38W–.04 101–10 40 0-9
ISCJB IV 11 07 01 06.4–.52 10.73N–.04 62.40W–.03 98–6 **¶14682798**
FUNV IV 11 07 01 07.7 10.74N 62.27W 91 3.4W
TRN IV 11 07 01 10.8 10.83N 62.17W 95 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.1km az=156.5.
ISC IV 17 11 23 57.6–1.4 10.91N–.06 62.30W–.04 91–11 19 0-6
ISCJB IV 17 11 23 57.1–.73 10.95N–.05 62.31W–.04 89–9 **¶14682870**
FUNV IV 17 11 23 59.6 10.85N 62.24W 79 2.6W
TRN IV 17 11 23 59.3 10.98N 62.27W 79 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.7km az=160.1.
ISC IV 19 16 33 00.3–1.3 10.80N–.07 62.43W–.07 89 20 0-6
FUNV IV 19 16 32 57.3 11.04N 62.24W 96 3.0W **¶14694433**
ISCJB IV 19 16 32 59.3–.59 10.79N–.06 62.44W–.06 89 3.0W
ISC Event type ke.
ISCJB Event type ke.
ISC IV 20 13 05 25.8–1.1 10.39N–.03 62.06W–.03 16–7 3.8b 46 0-162
IDC IV 20 13 05 21.5–.86 10.47N 62.25W 0 4.0,3.8 **¶12935729**
FUNV IV 20 13 05 22.4 10.41N 61.80W 13 4.1W,3.8
ISCJB IV 20 13 05 25.1–.48 10.30N–.02 62.11W–.02 26–4 3.7b,3.8
TRN IV 20 13 05 27.3 10.45N 61.97W 8 3.8,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=22.8km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=43.3.
ISC IV 24 21 05 48.5–1.3 10.59N–.04 62.60W–.03 94–10 37 0-6
ISCJB IV 24 21 05 48.9–.49 10.54N–.04 62.64W–.03 82–7 **¶14682929**
TRN IV 24 21 05 52.8 10.83N 62.35W 77 3.4
FUNV IV 24 21 05 53.0 10.45N 62.63W 55 3.6W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.1km az=166.2.
ISC IV 30 22 00 59.7–1.3 10.81N–.03 62.26W–.03 118–9 52 0-6
ISCJB IV 30 22 01 00.0–.52 10.83N–.03 62.29W–.03 110–6 **¶14682986**
FUNV IV 30 22 01 01.0 10.90N 62.15W 100 3.7W
TRN IV 30 22 01 01.1 10.84N 62.09W 131 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=138.0.
ISC V 03 16 51 52.2–1.3 10.65N–.04 62.57W–.03 117–9 40 0-6
ISCJB V 03 16 51 52.4–.54 10.67N–.04 62.58W–.03 107–6 **¶14772011**
FUNV V 03 16 51 54.0 10.66N 62.49W 104 3.5W
TRN V 03 16 51 56.5 10.74N 62.31W 114 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.8km az=154.8.
ISC V 04 09 10 20.4–.53 10.19N–.02 67.03W–.02 8–2 5.3b,5.0s 852 0-172
IDC V 04 09 10 18.7–.36 10.17N 66.89W 0 7.3L,5.1 **¶12750567**
LDG V 04 09 10 18.4–.21 10.21N 66.91W 10 5.3b,4.8s
ISCJB V 04 09 10 19.4–.39 10.22N–.02 67.00W–.01 10–2 5.2b,5.0s
NEIC V 04 09 10 20.9 10.20N 67.01W 6 5.5W,5.4b
FUNV V 04 09 10 20.3 10.21N 67.03W 2 5.6W,5.4b
INMG V 04 09 10 21.5 10.23N 66.89W 10 5.5W,5.4b
MOS V 04 09 10 22.8–1.1 10.23N 66.96W 33 5.5b,4.9s
GCMT V 04 09 10 23.4–.10 10.26N 67.15W 12 5.4W,4.9s
SZGRF V 04 09 10 25.2 9.48N 65.97W 33 5.1b,4.9s
ISC Event type fe.
IDC Error ellipse: s-maj=13.6km s-min=9.2km az=99.0.
LDG Event type ke. Error ellipse: s-maj=18.7km s-min=7.9km az=122.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.0km az=179.7.
NEIC Event type fe. Felt [VI] at Las Tejerias; [V] at Cagua, Cua, El Limon, Guatire, La Victoria, Ocumare del Tuy and San Antonio de Los Altos; [IV] at Baruta, Calabozo, Caraballeda, Caracas, Carrizal, Chacao, Charallave, El Cafetal, El Hatillo, Guarenas, La Dolorita, Los Dos Caminos, Los Teques, Maiquetia, Maracay, Palo Negro, Petare, San Juan de los Morros, Turmero and Villa de Cura; [III] at Mariara, Puerto Cabello and Valencia. Also felt at Acarigua, Barcelona, Barquisimeto, Cabudare, Caucaguita, Ciudad Bolivar, Cuidad Guayana, Guacara, Guanare, La Guaira, Nirgua, Puerto Ayacucho, San Carlos, San Felipe, San Joaquin and Santa Teresa. After CAR. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}0.07 $M_{\theta\theta}$1.32 $M_{\phi\phi}$-1.39 $M_{r\theta}$0.21 $M_{\theta\phi}$-1.90 $M_{\phi r}$-0.59 Best double couple: NP1:ϕ_s72.00000°,δ75.00000°,λ179.00000°. NP2:ϕ_s162.00000°,δ89.00000°,λ15.00000°. Principal axes: T 2.3900,Plg11.0000°,Azm28.0000°; N 0.0500,Plg74.0000°,Azm166.0000° ; P -2.4400,Plg9.0000°,Azm296.0000° $M_0$2.40000×10^{17}
MOS Error ellipse: s-maj=5.9km s-min=4.5km az=67.8.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 95, comp=195, per= 50. Moment Tensor Solution. s73,c128; s25,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}0.17±.02 $M_{\theta\theta}$1.25±.02; $M_{\phi\phi}$-1.42±.02; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$-0.86±.02; $M_{\phi r}$-0.22±.05; Best double couple: NP1:ϕ_s62.00000°,δ85.00000°,λ-176.00000°. NP2:ϕ_s331.00000°,δ86.00000°,λ-5.00000°. Principal axes: T 1.5000,Plg1.0000°,Azm16.0000°; N 0.2000,Plg83.0000°,Azm111.0000° ; P -1.7000,Plg7.0000°,Azm286.0000° $M_0$1.60000×10^{17}
SZGRF Venezuela.
ISC V 04 09 27 19.9–.93 10.22N–.04 67.04W–.02 11–6 3.7b 71 0-67
IDC V 04 09 27 19.0–1.9 10.28N 66.69W 0 6.6L,3.9 **¶13678326**
NEIC V 04 09 27 19.8 10.24N 67.08W 4 4.0W,3.9
FUNV V 04 09 27 20.3 10.21N 67.04W 1 4.2W,3.9
ISCJB V 04 09 27 20.4–.36 10.32N–.03 67.04W–.02 27–3 3.6b,3.9
ISC Event type se.
NEIC Event type se. After CAR.
ISCJB Event type se.
ISC V 04 14 46 45.7–1.0 10.20N–.03 67.05W–.02 8–7 3.7b 57 0-148
FUNV V 04 14 46 45.9 10.21N 67.06W 6 4.4W **¶13678335**
ISCJB V 04 14 46 45.4–.46 10.21N–.03 67.08W–.02 11–3 3.5b
IDC V 04 14 46 47.7–.80 10.31N 67.20W 0 6.2L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=4.9.
IDC Error ellipse: s-maj=24.4km s-min=19.6km az=87.0.
FUNV V 04 17 11 29.1 10.19N 67.07W 2 3.5W
¶14784906
ISC V 05 05 33 03.9–1.2 10.94N–.04 62.05W–.03 67–10 51 0-9
ISCJB V 05 05 33 03.6–.41 10.95N–.03 62.09W–.03 73–8 **¶14772025**
FUNV V 05 05 33 05.0 10.94N 61.92W 38 3.7W
TRN V 05 05 33 07.1 11.10N 61.85W 20 3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=139.5.
TRN Event type fe. Felt Trinidad II.
ISC V 10 01 10 11.5–1.7 10.83N–.06 62.27W–.05 110–11 17 0-6
FUNV V 10 01 10 11.3 10.95N 62.17W 106 2.3W **¶14772058**
ISCJB V 10 01 10 11.1–.86 10.81N–.05 62.26W–.05 110–8 2.3W
TRN V 10 01 10 17.1 11.17N 61.01W 3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=7.0km az=43.3.
ISC V 14 16 48 29.2–1.7 9.00N–.04 60.82W–.06 27–12 3.6b 74 1-73
IDC V 14 16 48 27.8–1.4 9.42N 60.97W 0 3.9,3.7 **¶13678944**
TRN V 14 16 48 27.0 8.83N 60.51W 81 4.3,3.7
NEIC V 14 16 48 28.3 8.96N 60.53W 35 4.3,3.8W
FUNV V 14 16 48 29.6 8.98N 60.62W 35 4.0W,3.8W
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=29.5km az=95.0.
NEIC Event type se. After CAR.
ISC V 15 12 46 23.9–1.3 10.93N–.03 62.09W–.04 91–9 48 0-8
ISCJB V 15 12 46 23.2–.46 10.93N–.02 62.09W–.03 93–6 **¶14772078**
TRN V 15 12 46 24.6 10.91N 61.97W 96 3.4
FUNV V 15 12 46 24.8 11.03N 62.03W 80 3.6W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.3km az=33.0.
FUNV V 19 04 03 57.6 10.20N 67.11W 4 4.0W
¶14785173
FUNV V 19 14 53 13.3 10.19N 67.06W 5 4.0W
¶14785177
ISC V 26 01 04 11.1–.72 10.64N–.03 62.53W–.03 98–6 3.5b 66 0-88
ISCJB V 26 01 04 10.5–.27 10.64N–.03 62.54W–.02 100–3 3.5b **¶13679650**
IDC V 26 01 04 13.4–3.1 10.90N 62.69W 109–22 3.5,3.5
TRN V 26 01 04 14.1 10.75N 62.33W 107 4.8,3.7
FUNV V 26 01 04 14.0 10.54N 62.51W 78 3.8W,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=151.0.
IDC Error ellipse: s-maj=29.7km s-min=17.6km az=168.0.
ISC V 27 12 22 15.2–1.3 10.71N–.04 62.49W–.04 97–9 31 0-6
ISCJB V 27 12 22 15.3–.58 10.74N–.04 62.47W–.03 93–7 **¶14772112**
FUNV V 27 12 22 16.5 10.70N 62.37W 89 3.1W
TRN V 27 12 22 19.3 10.84N 62.35W 69 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.6km az=144.7.
FUNV V 30 07 04 45.8 10.77N 65.77W 5 3.5W
¶14785365
ISC V 31 03 43 26.9–1.3 10.79N–.04 62.29W–.04 110–9 38 0-9
ISCJB V 31 03 43 27.2–.51 10.82N–.04 62.33W–.03 102–6 **¶14772117**
TRN V 31 03 43 29.3 10.88N 62.13W 112 3.2
FUNV V 31 03 43 30.1 10.73N 62.27W 90 3.2W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.6km az=160.9.
ISC VI 01 22 31 41.2–.68 10.66N–.03 62.49W–.03 89–6 3.8b 73 0-80
ISCJB VI 01 22 31 40.5–.26 10.71N–.03 62.51W–.02 90–4 3.7b **¶13680136**

TRN	VI	01 22 31 43.5	10.74N	62.29W	97	3.9			
FUNV	VI	01 22 31 44.4	10.53N	62.49W	66	4.0W			
IDC	VI	01 22 31 50.3–16	10.80N	62.65W	171–162	3.7,3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=3.1km az=145.6.								
IDC	Error ellipse: s-maj=36.9km s-min=15.8km az=46.0.								
ISC	**VI**	**07 11 33 31.6–.81**	**10.65N–.04**	**62.46W–.03**	**87–7**	**3.6b**	**51**	**0-63**	
IDC	VI	07 11 33 20.9–3.2	10.60N	62.57W	0	3.9,3.6		**¶13680776**	
ISCJB	VI	07 11 33 31.0–.33	10.66N–.03	62.47W–.03	94–5	3.5b,3.6			
FUNV	VI	07 11 33 32.6	10.70N	62.35W	81	3.7W,3.6			
TRN	VI	07 11 33 34.1	10.78N	62.33W	18	3.7,3.6			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=166.4km s-min=26.0km az=16.0.								
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=3.5km az=149.6.								
ISC	**VI**	**09 02 09 42.2–1.5**	**10.79N–.07**	**62.31W–.04**	**92–11**		**25**	**0-6**	
ISCJB	VI	09 02 09 41.9–.79	10.77N–.06	62.33W–.03	91–8			**¶15009321**	
FUNV	VI	09 02 09 44.1	10.78N	62.27W	80	2.6W			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=10.5km s-min=5.3km az=174.3.								

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ISC	**I**	**01 10 10 09.4–.84**	**10.86N–.04**	**61.24W–.04**	**12**		**22**	**0-7**	
TRN	I	01 10 10 08.9	10.59N	60.95W	46	3.1		**¶14227636**	
FUNV	I	01 10 10 09.1	11.00N	61.09W	16	3.0W			
ISCJB	I	01 10 10 09.4–.49	10.82N–.04	61.22W–.03	12	3.0W			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**I**	**03 23 38 48.0–2.2**	**10.9N–.10**	**61.76W–.07**	**71–14**		**15**	**0-6**	
ISCJB	I	03 23 38 46.7–1.4	10.92N–.08	61.73W–.06	76–9			**¶14357939**	
FUNV	I	03 23 38 47.5	11.04N	61.62W	46	2.9W			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=15.2km s-min=8.1km az=29.4.								
ISC	**I**	**09 18 33 10.5–1.2**	**10.95N–.03**	**60.72W–.04**	**17–7**	**3.7b**	**69**	**0-145**	
TRN	I	09 18 33 12.3	10.95N	60.65W	33	4.5,4.0		**¶12080873**	
FUNV	I	09 18 33 13.1	10.95N	60.66W	24	4.0W,4.0			
IDC	I	09 18 33 13.4–.81	11.05N	60.92W	38–7	3.8,3.7			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=19.2km s-min=13.0km az=90.0.								
ISC	**I**	**12 09 49 19.3–1.1**	**10.76N–.03**	**61.83W–.04**	**77–9**		**58**	**0-9**	
ISCJB	I	12 09 49 19.4–.40	10.80N–.03	61.86W–.03	77–6			**¶14228581**	
FUNV	I	12 09 49 21.6	10.74N	61.75W	44	3.2W			
TRN	I	12 09 49 22.1	10.89N	61.80W	31	3.7			
ISC	Event type ke.								
ISCJB	Event type fe. Error ellipse: s-maj=5.6km s-min=3.4km az=41.2.								
TRN	Event type fe. Felt II and III west of Port of Spain.								
ISC	**I**	**16 14 49 12.5–1.8**	**10.10N–.05**	**60.52W–.09**	**97–13**		**26**	**1-9**	
ISCJB	I	16 14 49 11.9–.90	10.11N–.04	60.55W–.07	104–9			**¶14229504**	
TRN	I	16 14 49 13.3	10.19N	60.38W	68	3.6			
FUNV	I	16 14 49 13.2	10.09N	60.45W	24	3.5W			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=11.5km s-min=6.3km az=15.5.								
ISC	**II**	**20 10 37 13.3–1.3**	**10.71N–.04**	**61.42W–.05**	**50–9**		**24**	**0-7**	
ISCJB	II	20 10 37 12.1–.63	10.71N–.04	61.43W–.04	61–7			**¶14260348**	
FUNV	II	20 10 37 13.2	10.64N	61.40W	18	3.1W			
TRN	II	20 10 37 14.1	10.76N	61.48W	39	3.3			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=8.0km s-min=5.2km az=30.2.								
ISC	**II**	**21 10 53 47.0–1.4**	**10.79N–.06**	**61.80W–.05**	**59–15**		**16**	**0-6**	
ISCJB	II	21 10 53 46.9–.54	10.80N–.03	61.81W–.04	64–8			**¶14260351**	
FUNV	II	21 10 53 47.2	10.87N	61.67W	29	3.1W			
TRN	II	21 10 53 50.1	11.08N	61.61W	3	3.3			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.4km s-min=4.1km az=40.6.								
TRN	**III**	**19 23 57 37.5**	**10.62N**	**61.62W**	**37**	**2.3**			
FUNV	III	19 23 57 32.9	10.59N	61.56W	13	2.8W		**¶14418905**	
FUNV	**III**	**20 02 02 30.3**	**10.47N**	**61.61W**	**10**	**2.6W**			
								¶14544341	
ISC	**IV**	**01 02 03 24.6–.59**	**10.46N–.03**	**61.24W–.03**	**50–5**	**4.4b,3.5s**	**437**	**0-145**	
IDC	IV	01 02 03 18.2–.53	10.53N	61.44W	0	4.2,4.2		**¶12084396**	
ISCJB	IV	01 02 03 24.1–.30	10.46N–.02	61.35W–.02	65–2	4.3b,4.2			
BJI	IV	01 02 03 24.2	10.40N	61.20W	67	4.3b,4.2			
FUNV	IV	01 02 03 24.9	10.41N	61.14W	34	4.4W,4.2			
TRN	IV	01 02 03 25.1	10.51N	61.09W	29	4.3,4.2			
NEIC	IV	01 02 03 25.2	10.51N	61.10W	28	4.6b,4.3			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=16.8km s-min=12.8km az=56.0.								
ISCJB	Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=42.4.								
NEIC	Event type fe. Felt at Arima, Chaguanas, Cross Crossing, Diego Martin, Marabella, Maraval, Penal, Rio Claro, San Fernando and Tunapuna. Also felt at Scarborough, Tobago. After TRN.								
ISC	**IV**	**04 09 24 33.5–.33**	**10.22N–.03**	**61.37W–.03**	**48–2**	**4.9b,4.3s**	**696**	**0-162**	
LDG	IV	04 09 24 27.7–.30	10.17N	61.16W	10	5.1b,4.1s		**¶13437912**	
ISCJB	IV	04 09 24 32.9–.23	10.24N–.02	61.48W–.02	59–1	4.8b,4.3s			
FUNV	IV	04 09 24 33.9	10.16N	61.27W	43	4.4W,4.3s			
NEIC	IV	04 09 24 33.8	10.21N	61.23W	45	4.9b,4.4			
IDC	IV	04 09 24 33.4–.51	10.23N	61.45W	42–4	4.3,4.3			
TRN	IV	04 09 24 34.1	10.22N	61.23W	43	4.4,4.3			
ISC	Event type fe.								
LDG	Event type ke. Error ellipse: s-maj=21.5km s-min=7.4km az=98.0.								
ISCJB	Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=145.2.								
NEIC	Event type fe. Felt at Barrackpore, Carapichaima, Debe, Freeport, Penal, Rio Claro and Saint Joseph. After TRN.								
IDC	Error ellipse: s-maj=11.9km s-min=10.0km az=98.0.								
ISC	**IV**	**11 09 56 28.4–1.3**	**10.12N–.04**	**61.10W–.06**	**63–9**		**35**	**0-9**	
ISCJB	IV	11 09 56 28.3–.59	10.17N–.03	61.17W–.05	71–6			**¶14682799**	
FUNV	IV	11 09 56 28.9	10.17N	60.96W	37	3.4W			
TRN	IV	11 09 56 32.1	10.29N	61.12W	45	3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=8.3km s-min=4.6km az=26.4.								
ISC	**IV**	**18 03 09 33.6–1.2**	**10.55N–.04**	**61.80W–.04**	**61–9**		**28**	**0-6**	
ISCJB	IV	18 03 09 33.4–.53	10.58N–.04	61.81W–.03	60–7			**¶14682875**	
FUNV	IV	18 03 09 34.0	10.64N	61.69W	32	3.4W			
TRN	IV	18 03 09 36.2	10.62N	61.67W	49	3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=141.8.								
ISC	**IV**	**30 05 33 33.3–1.3**	**10.13N–.04**	**61.33W–.05**	**71–7**		**27**	**0-7**	
FUNV	IV	30 05 33 31.4	10.24N	61.15W	19	3.2W		**¶14682984**	
ISCJB	IV	30 05 33 32.4–.62	10.14N–.03	61.36W–.04	78–5	3.2W			
TRN	IV	30 05 33 35.1	10.14N	61.21W	52	3.1			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.6km s-min=5.5km az=21.7.								
ISC	**VI**	**16 08 40 01.1–1.4**	**10.31N–.05**	**61.64W–.05**	**59–10**		**20**	**0-7**	
ISCJB	VI	16 08 40 00.3–.67	10.32N–.04	61.64W–.05	63–7			**¶14766879**	
FUNV	VI	16 08 40 02.0	10.25N	61.65W	21	2.9W			
TRN	VI	16 08 40 04.4	10.38N	61.44W	45	2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.7km s-min=7.0km az=40.0.								

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ISC	**I**	**02 16 06 38.7–.81**	**7.90N–.08**	**72.83W–.07**	**160**	**3.5b**	**25**	**2-151**	
IDC	I	02 16 06 38.9–2.2	7.69N	72.62W	189–22	3.6,3.3b		**¶12079833**	
FUNV	I	02 16 06 39.0	7.73N	72.90W	8	3.5W,3.3b			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=29.6km s-min=19.8km az=65.0.								
FUNV	**I**	**02 23 50 07.0**	**6.82N**	**73.14W**	**167**	**3.6W**			
								¶14357917	
ISC	**I**	**07 03 18 23.6–.72**	**6.78N–.06**	**72.90W–.07**	**168–7**	**3.8b**	**62**	**1-151**	
ISCJB	I	07 03 18 22.8–.46	6.75N–.05	72.87W–.05	175–5	3.7b		**¶12080591**	
IDC	I	07 03 18 22.9–1.9	6.68N	72.87W	166–18	3.9s,3.9			
NEIC	I	07 03 18 23.5–.59	6.70N	72.86W	174–6	4.0b,3.9			
FUNV	I	07 03 18 24.4	6.84N	73.06W	167	3.6W,3.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=9.8km s-min=6.0km az=142.1.								
IDC	Error ellipse: s-maj=25.9km s-min=17.1km az=61.0.								
NEIC	Event type se. Error ellipse: s-maj=10.5km s-min=8.2km az=133.0.								
ISC	**I**	**07 06 34 22.0–.53**	**6.84N–.06**	**73.04W–.07**	**166**	**3.8b**	**45**	**1-154**	
ISCJB	I	07 06 34 20.9–.45	6.86N–.05	73.05W–.06	166	3.7b		**¶12080609**	
FUNV	I	07 06 34 22.2	6.80N	73.13W	169	4.2W			
IDC	I	07 06 34 22.3–.75	6.73N	73.10W	166–7	3.7,3.5b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=9.4km s-min=5.0km az=35.0.								
IDC	Error ellipse: s-maj=17.1km s-min=11.9km az=107.0.								
ISC	**I**	**12 15 23 10.0–.98**	**6.88N–.07**	**73.07W–.08**	**166**		**23**	**2-150**	
IDC	I	12 15 23 08.2–4.9	6.92N	72.96W	148–34	3.6,3.3		**¶12081117**	
ISCJB	I	12 15 23 09.6–.61	6.87N–.08	73.07W–.08	166	3.4b,3.3			
FUNV	I	12 15 23 11.5	6.84N	73.14W	156	3.5W,3.3			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=82.3km s-min=29.0km az=88.0.								
ISCJB	Event type ke. Error ellipse: s-maj=14.0km s-min=6.3km az=43.1.								
ISC	**I**	**13 12 53 10.6–.73**	**6.85N–.08**	**72.95W–.08**	**166**	**3.3b**	**24**	**2-151**	
ISCJB	I	13 12 53 09.8–.52	6.90N–.07	73.01W–.07	166	3.3b		**¶12081184**	
IDC	I	13 12 53 11.3–3.2	6.76N	73.08W	168–27	3.5,3.3			
FUNV	I	13 12 53 13.3	7.06N	73.02W	174	3.5W,3.3			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=12.3km s-min=6.0km az=44.6.								
IDC	Error ellipse: s-maj=52.9km s-min=19.1km az=73.0.								
ISC	**I**	**13 21 44 54.3–1.1**	**6.84N–.07**	**73.03W–.09**	**172–9**		**25**	**1-150**	
ISCJB	I	13 21 44 53.5–.70	6.86N–.07	73.03W–.08	178–7	3.6b		**¶14358142**	
FUNV	I	13 21 44 53.4	6.69N	73.17W	173	3.4W			
IDC	I	13 21 44 56.3–7.1	6.72N	75.82W	131–83	3.7,3.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=14.9km s-min=7.5km az=36.7.								
IDC	Error ellipse: s-maj=173.1km s-min=34.5km az=81.0.								
ISC	**I**	**13 22 57 37.2–.93**	**6.86N–.07**	**73.03W–.08**	**164–8**	**3.4b**	**29**	**1-74**	
ISCJB	I	13 22 57 36.1–.54	6.86N–.06	73.02W–.07	170–5	3.4b		**¶12081226**	
FUNV	I	13 22 57 36.2	6.76N	73.18W	169	3.6W			
IDC	I	13 22 57 38.4–2.9	6.47N	73.06W	195–48	3.3,3.1b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=13.0km s-min=7.2km az=40.6.								
IDC	Error ellipse: s-maj=70.8km s-min=24.0km az=32.0.								
ISC	**I**	**15 02 16 04.6–1.1**	**6.93N–.07**	**73.08W–.09**	**165–9**		**21**	**1-150**	
ISCJB	I	15 02 16 03.6–.74	6.96N–.07	73.10W–.09	169–8	3.4b		**¶14358198**	
FUNV	I	15 02 16 04.2	6.86N	73.18W	174	3.1W			
IDC	I	15 02 16 06.6–7.0	6.76N	75.77W	124–83	3.4,3.2			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=16.7km s-min=7.6km az=36.1.								
IDC	Error ellipse: s-maj=175.7km s-min=39.3km az=79.0.								
ISC	**I**	**16 23 45 49.9–.68**	**6.79N–.05**	**72.93W–.05**	**166–6**	**4.2b**	**309**	**1-150**	
BJI	I	16 23 45 47.9	6.50N	72.60W	172	4.9b		**¶12081492**	
ISCJB	I	16 23 45 49.2–.38	6.74N–.05	72.88W–.04	169–3	4.3b			
IDC	I	16 23 45 49.7–1.4	6.74N	72.92W	161–15	4.0,3.8			
FUNV	I	16 23 45 49.6	6.77N	73.16W	169	4.1W,3.8			
NEIC	I	16 23 45 50.2–.40	6.72N	72.84W	172–4	4.4b,3.8			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=8.7km s-min=4.8km az=145.4.								
IDC	Error ellipse: s-maj=18.9km s-min=15.0km az=55.0.								
NEIC	Event type se. Error ellipse: s-maj=8.3km s-min=5.1km az=125.0.								
ISC	**I**	**17 17 31 11.3–.80**	**6.92N–.06**	**72.98W–.07**	**166–7**	**3.3b**	**37**	**1-151**	
IDC	I	17 17 31 08.3–2.5	6.86N	72.46W	150–24	3.6,3.5		**¶12081554**	
ISCJB	I	17 17 31 10.8–.48	6.95N–.05	72.98W–.06	169–5	3.5b,3.5			
FUNV	I	17 17 31 12.0	6.83N	73.12W	153	3.8W,3.5			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=28.3km s-min=16.3km az=73.0.								
ISCJB	Event type ke. Error ellipse: s-maj=11.4km s-min=5.8km az=37.0.								
ISC	**I**	**18 07 03 34.4–.88**	**7.55N–.06**	**73.10W–.08**	**146–7**	**3.6b**	**30**	**1-151**	
ISCJB	I	18 07 03 33.9–.62	7.51N–.06	73.09W–.08	150–7	3.7b		**¶12081614**	
IDC	I	18 07 03 35.9–2.7	7.34N	73.17W	157–22	3.5,3.4b			
FUNV	I	18 07 03 36.4	7.55N	73.15W	141	3.7W,3.4b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=14.4km s-min=7.1km az=35.2.								
IDC	Error ellipse: s-maj=59.0km s-min=20.5km az=92.0.								
ISC	**I**	**18 22 57 31.3–.96**	**6.90N–.07**	**73.09W–.09**	**157–9**	**3.9b**	**19**	**1-122**	
ISCJB	I	18 22 57 30.4–.64	6.93N–.07	73.11W–.10	163–7	3.8b		**¶12081679**	
FUNV	I	18 22 57 31.8	6.83N	73.11W	166	3.6W			
IDC	I	18 22 57 32.5–3.1	6.73N	73.26W	173–37	3.6,3.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=18.4km s-min=7.6km az=33.4.								
IDC	Error ellipse: s-maj=72.9km s-min=41.9km az=89.0.								
ISC	**I**	**18 22 58 54.2–.95**	**6.89N–.07**	**73.02W–.08**	**162–8**	**4.0b**	**28**	**1-69**	
ISCJB	I	18 22 58 53.2–.55	6.90N–.06	73.03W–.07	168–5	3.7b		**¶12081680**	
FUNV	I	18 22 58 54.0	6.78N	73.11W	164	4.1W			
IDC	I	18 22 58 54.5–4.1	6.87N	73.16W	160–84	3.6,3.5b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=13.8km s-min=7.2km az=39.8.								
IDC	Error ellipse: s-maj=104.9km s-min=45.8km az=169.0.								
FUNV	**I**	**19 15 06 15.7**	**7.00N**	**73.00W**	**167**	**3.7W**			
								¶14358316	
ISC	**I**	**21 12 32 50.1–.91**	**6.87N–.07**	**72.97W–.07**	**161–8**	**3.3b**	**31**	**1-154**	
ISCJB	I	21 12 32 49.4–.55	6.85N–.07	73.01W–.07	166–5	3.4b		**¶12081968**	
IDC	I	21 12 32 50.2–1.9	6.68N	72.99W	166–19	3.5,3.3			
FUNV	I	21 12 32 53.1	6.96N	72.98W	165	3.7W,3.3			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=15.3km s-min=7.7km az=135.1.								
IDC	Error ellipse: s-maj=27.1km s-min=21.2km az=65.0.								
ISC	**I**	**22 11 48 02.7–1.2**	**6.82N–.09**	**73.1W–.10**	**170–11**		**17**	**1-150**	
ISCJB	I	22 11 48 02.2–1.0	6.86N–.08	73.1W–.10	173–11			**¶14358406**	
FUNV	I	22 11 48 02.3	6.68N	73.14W	174	3.0W			
IDC	I	22 11 48 08.4–7.0	5.05N	76.53W	118–70	3.5,3.2			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=20.1km s-min=7.9km az=34.3.								
IDC	Error ellipse: s-maj=80.4km s-min=75.5km az=69.0.								
ISC	**I**	**24 15 23 59.4–1.0**	**6.88N–.07**	**73.09W–.09**	**166–9**		**23**	**1-150**	
ISCJB	I	24 15 23 58.7–.72	6.91N–.07	73.10W–.09	169–8	3.6b		**¶12082233**	
FUNV	I	24 15 23 59.4	6.78N	73.17W	168	3.4W			
IDC	I	24 15 24 02.3–6.4	6.78N	73.54W	178–30	3.6,3.5			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=16.1km s-min=7.5km az=34.9.								
IDC	Error ellipse: s-maj=215.1km s-min=31.1km az=93.0.								
ISC	**I**	**27 05 28 29.5–.98**	**6.91N–.06**	**73.08W–.07**	**159–10**		**23**	**1-150**	
ISCJB	I	27 05 28 29.8–.84	6.93N–.08	72.97W–.08	172–8	3.1b		**¶12082447**	
IDC	I	27 05 28 31.5–4.1	6.63N	73.32W	172–31	3.3,3.0			
FUNV	I	27 05 28 31.3	6.95N	73.09W	173	3.1W,3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=14.2km s-min=11.5km az=141.4.								
IDC	Error ellipse: s-maj=82.4km s-min=37.2km az=86.0.								
IDC	**I**	**30 01 07 56.1–.95**	**8.80N**	**75.35W**	**0**	**4.1L,3.9**			
								¶12082701	
IDC	Error ellipse: s-maj=40.7km s-min=20.4km az=57.0.								
ISC	**I**	**31 02 07 10.4–.97**	**6.84N–.07**	**73.07W–.09**	**165–9**		**18**	**1-150**	
ISCJB	I	31 02 07 09.9–.79	6.89N–.08	73.06W–.09	171–9	3.1b		**¶12082779**	
FUNV	I	31 02 07 09.2	6.72N	73.21W	174	3.1W			
IDC	I	31 02 07 13.2–3.9	6.59N	73.44W	181–25	3.2,2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=17.1km s-min=10.1km az=32.2.								
IDC	Error ellipse: s-maj=86.5km s-min=30.8km az=85.0.								
ISC	**I**	**31 10 42 34.6–.49**	**6.79N–.04**	**72.95W–.06**	**166–4**	**4.2b**	**208**	**1-150**	
ISCJB	I	31 10 42 33.8–.39	6.77N–.04	72.92W–.04	172–3	4.0b		**¶11667186**	
FUNV	I	31 10 42 34.5	6.77N	73.10W	170	3.7W			
IDC	I	31 10 42 34.4–.67	6.79N	72.93W	162–6	3.9,3.7b			
NEIC	I	31 10 42 34.8–.35	6.65N	73.15W	168	4.4b,3.7b			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=6.5km s-min=6.0km az=27.8.								

IDC Error ellipse: s-maj=14.0km s-min=10.1km az=89.0.
NEIC Event type fe. Error ellipse: s-maj=10.4km s-min=6.8km az=67.0. Felt at Pamplona.
ISC I 31 10 48 09.5–.96 6.87N–.07 73.01W–.08 159–9 3.4b 25 1-149
ISCJB I 31 10 48 08.5–.58 6.87N–.07 73.01W–.07 164–6 3.3b **¶12082810**
FUNV I 31 10 48 08.9 6.77N 73.11W 167 3.6W
IDC I 31 10 48 10.5–2.7 6.70N 73.11W 171–25 3.4,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=7.3km az=39.8.
IDC Error ellipse: s-maj=53.6km s-min=30.4km az=96.0.
ISC II 01 02 32 12.2–.89 6.90N–.06 73.00W–.07 165–7 3.9b 34 1-150
ISCJB II 01 02 32 11.8–.71 6.86N–.07 72.93W–.06 173–6 3.6b **¶12699302**
IDC II 01 02 32 12.0–1.8 6.68N 72.98W 166–20 3.6,3.4b
FUNV II 01 02 32 14.2 6.93N 73.03W 168 3.6W,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=10.0km az=151.7.
IDC Error ellipse: s-maj=26.8km s-min=20.2km az=48.0.
FUNV II 05 06 46 16.1 7.38N 73.30W 143 3.7W
¶14358807
ISC II 06 01 01 23.6–.92 6.85N–.07 73.02W–.08 167–8 3.7b 29 1-150
ISCJB II 06 01 01 22.5–.56 6.85N–.06 73.01W–.07 172–6 3.5b **¶12699636**
FUNV II 06 01 01 23.0 6.76N 73.12W 176 3.4W
IDC II 06 01 01 24.7–2.3 6.71N 73.17W 177–23 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=7.2km az=40.9.
IDC Error ellipse: s-maj=47.3km s-min=27.6km az=89.0.
ISC II 06 14 09 16.4–.85 6.87N–.06 73.06W–.08 159–7 3.4b 30 1-150
ISCJB II 06 14 09 15.6–.54 6.89N–.06 73.07W–.07 163–6 3.4b **¶12699672**
FUNV II 06 14 09 16.8 6.79N 73.15W 156 3.4W
IDC II 06 14 09 16.7–2.7 6.79N 73.10W 160–22 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=7.1km az=32.9.
IDC Error ellipse: s-maj=41.6km s-min=17.7km az=73.0.
ISC II 07 03 11 55.3–.88 6.93N–.06 73.04W–.07 162–8 3.5b 31 1-150
ISCJB II 07 03 11 54.9–.74 6.90N–.08 72.95W–.07 172–6 3.6b **¶12699706**
IDC II 07 03 11 54.9–2.5 6.68N 73.01W 165–20 3.7,3.5
FUNV II 07 03 11 56.7 6.97N 73.06W 176 4.1W,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=10.7km az=160.1.
IDC Error ellipse: s-maj=41.6km s-min=21.2km az=87.0.
ISC II 10 11 21 41.8–.94 6.88N–.07 73.03W–.09 166 3.5b 22 1-150
IDC II 10 11 21 35.6–2.6 6.47N 72.06W 134–23 3.6,3.5 **¶12699907**
ISCJB II 10 11 21 40.8–.62 6.90N–.06 73.05W–.08 166 3.6b,3.5
FUNV II 10 11 21 42.1 6.82N 73.09W 173 3.7W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=24.2km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=6.4km az=36.4.
ISC II 11 17 17 02.9–.37 6.77N–.03 73.00W–.04 161–3 4.9b 745 0-154
BJI II 11 17 17 01.5 6.80N 72.90W 152 5.0b **¶11671874**
ISCJB II 11 17 17 02.3–.27 6.75N–.03 72.89W–.02 170–2 4.9b
FUNV II 11 17 17 02.2 6.76N 73.17W 176 4.9W
IDC II 11 17 17 03.0–.48 6.80N 72.95W 158–4 4.5,4.4
NEIC II 11 17 17 03.2–.16 6.75N 72.91W 163 5.0b,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=149.4.
IDC Error ellipse: s-maj=9.3km s-min=8.2km az=102.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=3.2km az=90.0. Felt [II] at Medellin. Also felt at Bogota, Bucaramanga, Cucuta, Envigado, Gonzalez, Manizales, Ocana, San Cristobal, San Gil and Tunja.
ISC II 13 21 01 32.2–1.1 6.90N–.07 73.03W–.08 162–10 17 1-63
ISCJB II 13 21 01 31.5–.73 6.95N–.08 73.09W–.09 165–8 3.4b **¶12700583**
FUNV II 13 21 01 32.9 6.89N 73.13W 169 3.1W
IDC II 13 21 01 33.8–7.5 7.03N 73.65W 155–214 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=7.6km az=37.3.
IDC Error ellipse: s-maj=383.4km s-min=83.8km az=135.0.
ISC II 17 11 49 54.6–1.5 6.9N–.10 72.98W–.10 166 3.6b 19 1-63
IDC II 17 11 49 17.3–21 4.28N 72.26W 0 3.9,3.6 **¶14359185**
ISCJB II 17 11 49 53.0–1.2 6.91N–.10 73.03W–.08 166 3.4b,3.6
FUNV II 17 11 49 52.3 6.72N 73.18W 166 3.2W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=465.5km s-min=72.4km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=11.0km az=175.8.
ISC II 20 06 07 31.1–1.4 7.0N–.10 72.92W–.09 175–9 3.5b 29 1-74
FUNV II 20 06 07 29.2 6.78N 73.13W 172 3.6W **¶12701316**
ISCJB II 20 06 07 30.8–1.1 7.03N–.09 72.88W–.08 183–7 3.5b
IDC II 20 06 08 06.0–7.5 8.50N 73.83W 410–85 3.3,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=11.6km az=31.2.
IDC Error ellipse: s-maj=88.8km s-min=30.0km az=27.0.
FUNV II 26 00 46 40.0 6.80N 73.09W 169 3.8W
¶14359503
ISC II 26 02 00 53.5–.94 6.85N–.08 72.96W–.08 168–8 3.1b 29 1-150
ISCJB II 26 02 00 52.8–.56 6.87N–.06 72.97W–.07 174–5 3.2b **¶12701886**
FUNV II 26 02 00 52.9 6.68N 73.12W 162 3.5W
IDC II 26 02 00 52.2–3.0 6.83N 72.82W 156–34 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=6.5km az=39.7.
IDC Error ellipse: s-maj=40.5km s-min=24.8km az=41.0.
ISC II 26 02 30 29.9–.97 6.84N–.07 72.99W–.07 168–8 3.5b 26 1-150
FUNV II 26 02 30 27.9 6.69N 73.23W 171 3.5W **¶12701887**
ISCJB II 26 02 30 28.9–.60 6.85N–.06 72.99W–.06 173–6 3.4b
IDC II 26 02 30 29.7–4.5 6.77N 72.97W 164–33 3.4,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=7.0km az=43.0.
IDC Error ellipse: s-maj=79.8km s-min=32.4km az=89.0.
ISC II 27 06 12 03.6–1.0 6.91N–.07 73.01W–.08 162–9 3.4b 26 1-63
ISCJB II 27 06 12 02.4–.60 6.90N–.06 73.01W–.07 167–6 3.4b **¶12701977**
FUNV II 27 06 12 03.0 6.79N 73.12W 166 3.4W
IDC II 27 06 12 04.3–3.5 6.27N 72.87W 208–127 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=7.3km az=37.5.
IDC Error ellipse: s-maj=275.6km s-min=70.3km az=162.0.
ISC II 27 23 56 32.7–1.1 6.88N–.08 73.02W–.09 164–9 22 1-150
ISCJB II 27 23 56 31.9–.73 6.90N–.08 73.04W–.09 167–8 3.5b **¶12702059**
FUNV II 27 23 56 32.7 6.78N 73.12W 165 3.4W
IDC II 27 23 56 36.5–5.9 6.79N 73.77W 180–23 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=7.6km az=37.2.
IDC Error ellipse: s-maj=247.0km s-min=30.1km az=93.0.
ISC III 01 11 52 00.6–1.0 6.91N–.07 73.03W–.09 165–8 23 1-150
ISCJB III 01 11 51 59.7–.67 6.93N–.07 73.04W–.08 169–7 3.5b **¶12702188**
FUNV III 01 11 52 00.2 6.80N 73.14W 167 3.5W
IDC III 01 11 52 02.2–3.6 6.80N 73.24W 177–22 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=7.5km az=36.4.
IDC Error ellipse: s-maj=117.2km s-min=26.5km az=102.0.
ISC III 01 21 18 41.4–1.0 6.87N–.07 73.01W–.09 169–8 27 1-150
ISCJB III 01 21 18 40.4–.64 6.87N–.06 73.00W–.08 174–6 3.6b **¶12702217**
FUNV III 01 21 18 41.3 6.80N 73.07W 179 3.5W
IDC III 01 21 18 43.0–3.1 6.76N 73.27W 178–19 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=7.4km az=37.5.
IDC Error ellipse: s-maj=105.5km s-min=24.3km az=103.0.
ISC III 02 07 22 21.6–1.1 6.90N–.07 73.05W–.08 164–10 17 1-63
ISCJB III 02 07 22 20.8–.68 6.94N–.07 73.07W–.09 168–8 2.8b **¶12702241**
FUNV III 02 07 22 21.9 6.81N 73.12W 165 2.8W
IDC III 02 07 22 22.6–7.3 6.87N 73.23W 164–143 3.1,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=7.6km az=36.0.
IDC Error ellipse: s-maj=181.6km s-min=86.6km az=169.0.
ISC III 02 15 48 21.6–.69 6.88N–.06 73.04W–.07 164–6 3.6b 36 1-150
ISCJB III 02 15 48 20.8–.50 6.88N–.06 73.02W–.07 166–5 3.5b **¶12702277**
FUNV III 02 15 48 21.1 6.80N 73.13W 173 3.7W
IDC III 02 15 48 21.7–.98 6.76N 73.06W 164–7 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=6.9km az=35.5.
IDC Error ellipse: s-maj=24.4km s-min=11.7km az=97.0.
ISC III 03 09 25 07.0–.97 6.85N–.07 73.04W–.08 160–8 3.7b 25 1-150
IDC III 03 09 25 02.4–3.6 6.96N 72.43W 130–28 3.4,3.2b **¶12702333**
ISCJB III 03 09 25 06.1–.63 6.87N–.07 73.06W–.08 163–7 3.3b,3.2b
FUNV III 03 09 25 06.9 6.75N 73.15W 161 3.2W,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=52.9km s-min=24.9km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=7.3km az=38.3.
FUNV III 03 23 30 54.4 6.74N 73.16W 168 3.6W
¶14544080
FUNV III 04 02 59 37.1 6.78N 73.19W 170 3.6W
¶14544093
FUNV III 04 07 50 32.5 6.86N 73.19W 167 3.7W
¶14544094
ISC III 04 12 31 19.2–.97 6.84N–.06 72.97W–.07 168–9 3.2b 18 1-74
ISCJB III 04 12 31 18.4–.65 6.84N–.06 72.93W–.06 174–6 3.1b **¶12702422**
FUNV III 04 12 31 19.4 6.75N 73.11W 168 3.2W
IDC III 04 12 31 20.8–6.0 6.51N 73.04W 193–93 3.2,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=7.3km az=136.9.
IDC Error ellipse: s-maj=140.3km s-min=27.2km az=29.0.
ISC III 06 08 37 42.6–.94 6.91N–.07 72.95W–.07 177–8 3.0b 23 1-151
FUNV III 06 08 37 40.5 6.70N 73.18W 180 3.7W **¶12702550**
ISCJB III 06 08 37 41.8–.62 6.91N–.07 72.94W–.06 183–7 3.1b
IDC III 06 08 37 45.1–4.0 6.78N 73.29W 189–29 3.3,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=6.9km az=137.7.
IDC Error ellipse: s-maj=74.4km s-min=32.8km az=78.0.
ISC III 07 10 55 47.6–1.1 6.64N–.08 73.0W–.10 188–9 19 1-150
ISCJB III 07 10 55 47.3–.83 6.71N–.08 73.0W–.10 190–8 3.2b **¶14547657**
IDC III 07 10 55 47.4–7.3 6.45N 76.24W 119–78 3.1,2.9b
FUNV III 07 10 55 49.0 6.63N 73.02W 197 3.1W,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.3km s-min=7.4km az=36.9.
IDC Error ellipse: s-maj=124.0km s-min=35.1km az=78.0.
IDC III 08 16 46 43.3–4.0 6.54N 74.23W 34–33 3.7,3.5
¶12702739
IDC Error ellipse: s-maj=61.8km s-min=22.7km az=77.0.
ISC III 08 22 33 02.7–.00 6.85N–.07 73.03W–.08 160–9 22 1-150
ISCJB III 08 22 33 01.9–.70 6.87N–.07 73.03W–.08 164–8 3.3b **¶12702761**
FUNV III 08 22 33 03.2 6.80N 73.08W 168 3.5W
IDC III 08 22 33 03.9–4.4 6.69N 73.18W 165–29 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=8.6km az=36.9.
IDC Error ellipse: s-maj=84.0km s-min=28.8km az=86.0.
FUNV III 10 15 54 23.1 6.95N 73.03W 166 3.8W
¶14544193
ISC III 11 19 41 26.2–.94 6.87N–.07 73.02W–.08 166–8 3.8b 31 1-154
ISCJB III 11 19 41 25.2–.56 6.87N–.06 73.02W–.07 171–6 3.7b **¶12703001**
FUNV III 11 19 41 26.1 6.77N 73.12W 171 3.7W
IDC III 11 19 41 26.9–3.5 6.75N 73.12W 170–26 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=7.2km az=40.0.
IDC Error ellipse: s-maj=65.6km s-min=24.1km az=85.0.
ISC III 12 09 00 31.3–.93 6.87N–.07 73.00W–.08 164–8 3.2b 28 1-150
ISCJB III 12 09 00 30.4–.55 6.87N–.06 73.00W–.07 167–6 3.3b **¶12703059**
FUNV III 12 09 00 31.1 6.78N 73.11W 168 3.7W
IDC III 12 09 00 31.2–3.0 6.70N 72.94W 169–22 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=7.1km az=42.1.
IDC Error ellipse: s-maj=46.5km s-min=22.6km az=82.0.
ISC III 13 12 34 56.6–.81 6.83N–.07 72.98W–.06 163–7 3.7b 40 1-150
ISCJB III 13 12 34 55.8–.52 6.84N–.06 72.97W–.05 168–5 3.7b **¶12703169**
FUNV III 13 12 34 55.2 6.68N 73.22W 163 4.1W
IDC III 13 12 34 56.2–1.5 6.68N 72.92W 165–14 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=6.4km az=138.5.
IDC Error ellipse: s-maj=22.8km s-min=17.2km az=88.0.
ISC III 13 21 38 26.1–.68 6.82N–.06 72.96W–.06 157–6 3.7b 56 1-154
ISCJB III 13 21 38 25.5–.44 6.76N–.05 72.90W–.05 164–4 3.7b **¶12703201**
IDC III 13 21 38 25.5–1.5 6.73N 72.94W 152–14 3.8,3.7
FUNV III 13 21 38 27.3 6.87N 73.06W 168 4.0W,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.3km az=135.7.
IDC Error ellipse: s-maj=20.1km s-min=13.3km az=77.0.
ISC III 15 10 21 09.3–1.0 6.84N–.07 73.06W–.07 164–9 22 1-150
ISCJB III 15 10 21 08.4–.71 6.85N–.06 73.05W–.07 168–7 3.8b **¶12703341**
FUNV III 15 10 21 09.0 6.78N 73.18W 173 3.5W
IDC III 15 10 21 11.2–3.0 6.78N 73.50W 169–18 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=8.4km az=41.9.
IDC Error ellipse: s-maj=115.4km s-min=24.3km az=101.0.
ISC III 19 13 11 55.6–.88 6.81N–.09 72.86W–.07 152–8 3.5b 30 2-151
ISCJB III 19 13 11 56.3–.87 6.90N–.09 72.77W–.06 169–8 3.4b **¶12703680**
IDC III 19 13 11 56.8–2.2 6.75N 72.89W 164–21 3.5,3.3
FUNV III 19 13 11 59.6 7.12N 72.84W 8 2.8W,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=9.2km az=158.7.
IDC Error ellipse: s-maj=28.0km s-min=18.8km az=44.0.
FUNV III 20 17 53 15.2 6.86N 73.13W 168 3.0W
IDC III 20 17 53 16.3–7.2 7.08N 75.23W 139–170 3.1,2.8 **¶14544347**
IDC Error ellipse: s-maj=998.5km s-min=82.6km az=73.0.
FUNV III 21 13 35 14.4 6.66N 73.17W 164 3.4W
IDC III 21 13 35 17.4–7.1 6.76N 75.75W 131–85 3.1,2.9 **¶14544361**
IDC Error ellipse: s-maj=186.7km s-min=34.9km az=81.0.
ISC III 22 15 46 50.8–.84 6.88N–.07 73.05W–.07 162–7 3.8b 34 1-150
ISCJB III 22 15 46 50.1–.60 6.90N–.06 73.03W–.07 166–6 3.6b **¶12635303**
IDC III 22 15 46 50.8–2.6 6.77N 73.07W 160–21 3.7,3.5
FUNV III 22 15 46 51.1 6.83N 73.11W 168 3.7W,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=8.2km az=42.4.
IDC Error ellipse: s-maj=45.3km s-min=20.9km az=89.0.
ISC III 24 15 42 26.7–1.0 6.84N–.06 73.01W–.07 166–9 22 1-150
ISCJB III 24 15 42 26.0–.75 6.87N–.06 73.00W–.07 171–8 3.0b **¶12635481**
FUNV III 24 15 42 25.9 6.72N 73.21W 163 3.7W
IDC III 24 15 42 28.3–6.5 6.76N 73.22W 172–36 3.3,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=6.9km az=40.1.
IDC Error ellipse: s-maj=168.8km s-min=36.0km az=97.0.
ISC III 26 11 28 09.7–.95 6.84N–.08 72.97W–.09 165–9 3.2b 23 1-150
ISCJB III 26 11 28 10.1–.81 6.94N–.10 72.92W–.09 175–8 3.4b **¶12635634**
IDC III 26 11 28 11.0–4.2 6.73N 73.20W 169–31 3.5,3.2
FUNV III 26 11 28 11.8 6.93N 73.08W 166 3.6W,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=9.9km az=142.1.
IDC Error ellipse: s-maj=78.5km s-min=32.6km az=84.0.
ISC III 26 23 50 51.8–.94 6.84N–.07 73.01W–.07 168–8 3.6b 31 1-150
ISCJB III 26 23 50 50.8–.57 6.84N–.06 72.99W–.06 173–6 3.5b **¶12635658**
FUNV III 26 23 50 51.2 6.77N 73.13W 178 3.6W
IDC III 26 23 50 53.1–3.0 6.70N 73.20W 179–21 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.4km az=136.5.
IDC Error ellipse: s-maj=71.8km s-min=24.3km az=95.0.
FUNV III 27 03 08 28.8 7.49N 73.25W 146 2.9W
IDC III 27 03 08 25.0–.90 5.49N 77.47W 0 4.0,3.8 **¶14544452**
IDC Error ellipse: s-maj=38.7km s-min=17.1km az=44.0.

FUNV III 28 01 42 38.7 6.73N 73.11W 189 3.7W
¶14544464

FUNV III 28 04 20 28.8 6.80N 73.15W 167 3.5W
¶14544465

ISC III 30 03 08 33.9–.41 6.81N–.04 72.98W–.05 162–3 3.9b 135 1-154
ISCJB III 30 03 08 33.2–.33 6.75N–.03 72.92W–.04 170–3 3.9b **¶12635909**
FUNV III 30 03 08 33.1 6.71N 73.20W 163 4.3W
IDC III 30 03 08 33.7–.48 6.75N 72.96W 160–4 3.9,3.8b
NEIC III 30 03 08 34.2 6.84N 73.07W 156 4.6b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.4km az=33.1.
IDC Error ellipse: s-maj=10.9km s-min=7.6km az=92.0.
NEIC Event type se. After RSNC.
ISC III 31 00 50 10.1–.42 7.84N–.03 74.88W–.04 43–3 4.5b,3.2s 221 2-158
IDC III 31 00 50 09.3–.46 7.74N 74.80W 39–3 5.3L,4.2 **¶12084020**
ISCJB III 31 00 50 10.9–.42 7.87N–.03 74.97W–.03 64–4 4.4b,4.2
BJI III 31 00 50 10.0 7.90N 74.90W 30 5.4b,5.3s
NEIC III 31 00 50 11.0 7.88N 74.94W 18 4.8b,4.3L
ISC Event type fe.
IDC Error ellipse: s-maj=14.4km s-min=10.0km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.3km az=43.9.
NEIC Event type fe. Felt at Caucasia and Nechi. After RSNC.
ISC IV 05 18 01 24.0–.65 6.76N–.07 72.98W–.08 166 3.8b 37 1-150
ISCJB IV 05 18 01 22.8–.45 6.76N–.05 72.98W–.06 166 3.8b **¶12934551**
FUNV IV 05 18 01 23.1 6.64N 73.13W 158 4.2W
IDC IV 05 18 01 23.8–2.4 6.71N 73.05W 159–22 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.2km az=42.2.
IDC Error ellipse: s-maj=34.9km s-min=12.7km az=60.0.
FUNV IV 07 20 32 21.0 6.62N 72.75W 134 3.5W
¶14693895

ISC IV 10 21 43 33.9–1.0 6.83N–.09 73.0W–.10 166 21 1-150
ISCJB IV 10 21 43 34.4–.92 6.9N–.10 73.0W–.10 166 3.3b **¶12934939**
FUNV IV 10 21 43 38.6 6.96N 72.88W 154 3.1W
IDC IV 10 21 43 38.4–5.2 6.78N 74.18W 174–25 3.3,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=10.2km az=44.5.
IDC Error ellipse: s-maj=403.2km s-min=32.0km az=91.0.
IDC IV 12 09 01 39.8–3.4 7.97N 74.89W 67–31 3.6,3.5
¶16152699

IDC Error ellipse: s-maj=44.7km s-min=22.9km az=59.0.
ISC IV 13 03 43 22.3–2.0 7.1N–.10 72.7W–.10 150 17 1-151
IDC IV 13 03 43 18.8–7.2 6.73N 75.98W 103–79 3.2,3.0 **¶14694184**
FUNV IV 13 03 43 24.9 7.07N 72.74W 134 2.9W,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=143.1km s-min=40.1km az=75.0.
ISC IV 14 17 01 58.0–1.1 6.83N–.08 72.92W–.09 150–10 19 1-149
ISCJB IV 14 17 01 57.1–.78 6.91N–.09 73.0W–.10 156–9 3.1b **¶12935248**
FUNV IV 14 17 01 59.4 6.78N 73.00W 143 3.4W
IDC IV 14 17 01 59.4–6.5 6.65N 73.12W 172–39 3.0,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.8km s-min=6.9km az=37.5.
IDC Error ellipse: s-maj=158.6km s-min=41.6km az=98.0.
IDC IV 16 11 52 57.0–4.5 7.82N 72.60W 0 3.7,3.4
¶16152840

IDC Error ellipse: s-maj=116.1km s-min=35.2km az=100.0.
FUNV IV 16 17 45 04.3 6.15N 73.43W 35 3.5W
¶14694302

ISC IV 20 08 54 01.7–.24 7.71N–.03 73.45W–.03 125–1 5.0b 1799 1-167
MOS IV 20 08 53 57.7–.86 7.82N 73.30W 92 5.1b **¶13438900**
IDC IV 20 08 54 00.7–.45 7.69N 73.38W 116–3 4.8,4.8
ISCJB IV 20 08 54 01.5–.30 7.77N–.02 73.36W–.01 131–2 4.8b,4.8
NEIC IV 20 08 54 01.8–.14 7.71N 73.27W 123 5.0b,4.8
FUNV IV 20 08 54 03.3 7.81N 73.55W 119 5.4W,4.8
BGS IV 20 08 54 05.8–1.4 8.44N 73.11W 123 5.2b,4.8
GCMT IV 20 08 54 05.5–.20 7.81N 73.53W 130–2 5.1W,4.8
SZGRF IV 20 08 54 11.0 8.39N 71.88W 128 5.4b,4.8
ISC Event type fe.
MOS Error ellipse: s-maj=5.9km s-min=4.4km az=74.2.
IDC Error ellipse: s-maj=12.8km s-min=7.7km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.3km az=9.3.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=192.0. Felt [II] at Medellin. Also felt at Bucaramanga and San Gil. Felt [III] at San Cristobal, Venezuela. Also felt at Merida and San Antonio del Tachira.
BGS Error ellipse: s-maj=635.8km s-min=341.0km az=-1.0.
GCMT Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s36,c45; s78,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}2.90±.15 $M_{\theta\theta}$-0.61±.16; $M_{\phi\phi}$-2.29±.20; $M_{r\theta}$-0.16±.11; $M_{\theta\phi}$2.14±.17; $M_{\phi r}$-4.14±.13; Best double couple: NP1:ϕ_s300.00000°,δ28.00000°,λ40.00000°. NP2:ϕ_s173.00000°,δ73.00000°,λ112.00000°. Principal axes: T 5.4300,Plg57.0000° ,Azm112.0000°; N -0.1500,Plg21.0000°,Azm346.0000°; P -5.2900,Plg24.0000° ,Azm246.0000° $M_0$5.40000×10^{16}
SZGRF Venezuela.
ISC IV 21 11 34 32.2–.81 6.92N–.08 72.90W–.08 166 3.5b 29 1-151
ISCJB IV 21 11 34 31.4–.52 6.89N–.07 72.98W–.06 166 3.5b **¶12935875**
IDC IV 21 11 34 33.0–2.3 6.75N 73.04W 171–18 3.7,3.4
FUNV IV 21 11 34 37.5 7.05N 72.76W 148 3.8W,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.1km az=143.8.
IDC Error ellipse: s-maj=38.2km s-min=19.8km az=86.0.
ISC IV 22 19 14 31.8–.95 6.89N–.08 72.91W–.09 162–8 29 1-151
ISCJB IV 22 19 14 32.0–.67 6.98N–.08 73.0W–.10 156–8 3.8b **¶12935943**
IDC IV 22 19 14 34.0–2.8 6.74N 73.23W 179–20 3.7,3.6
FUNV IV 22 19 14 36.2 6.94N 72.86W 147 3.6W,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.3km s-min=7.1km az=38.9.
IDC Error ellipse: s-maj=85.4km s-min=24.8km az=101.0.
ISC IV 22 23 08 03.5–1.9 7.1N–.10 72.7W–.10 159–10 21 1-151
IDC IV 22 23 08 02.9–5.5 6.84N 75.00W 157–104 3.6,3.4 **¶14694542**
FUNV IV 22 23 08 04.9 7.00N 72.74W 146 3.5W,3.4
ISCJB IV 22 23 08 06.1–1.7 7.2N–.10 72.5W–.20 153–11 3.6b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC IV 24 05 20 30.1–1.4 6.9N–.10 72.86W–.10 177–10 3.3b 22 1-151
IDC IV 24 05 20 05.8–2.0 6.47N 72.32W 0 3.8,3.5 **¶12936103**
FUNV IV 24 05 20 29.8 6.79N 73.07W 170 3.8W,3.5
ISCJB IV 24 05 20 30.5–1.1 7.0N–.10 72.84W–.08 185–8 3.3b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC IV 24 20 26 59.5–.77 6.26N–.08 73.32W–.08 122–6 4.0b 24 2-87
ISCJB IV 24 20 26 58.8–.57 6.24N–.07 73.48W–.08 131–6 3.8b **¶12936061**
IDC IV 24 20 26 59.1–.82 6.25N 73.47W 122–7 3.8,3.7
FUNV IV 24 20 27 06.1 6.25N 72.82W 5 3.6W,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=7.2km az=40.5.
IDC Error ellipse: s-maj=22.9km s-min=10.8km az=103.0.
ISC IV 25 11 16 23.8–.86 7.0N–.10 72.87W–.08 166 3.3b 30 1-151
ISCJB IV 25 11 16 22.0–.52 6.83N–.07 72.99W–.06 166 3.4b **¶12936161**
IDC IV 25 11 16 22.6–2.1 6.68N 72.94W 165–19 3.7,3.4
FUNV IV 25 11 16 28.8 7.06N 72.76W 150 3.7W,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.3km az=143.7.
IDC Error ellipse: s-maj=29.4km s-min=19.0km az=60.0.
ISC IV 26 16 41 30.6–.44 6.74N–.04 72.92W–.05 163–4 4.5b 468 1-154
ISCJB IV 26 16 41 30.3–.39 6.78N–.03 72.88W–.03 172–3 4.4b **¶13439108**
IDC IV 26 16 41 30.6–.62 6.73N 72.97W 160–6 4.2,4.1
BJI IV 26 16 41 30.4 6.70N 73.00W 164 4.2,4.1
FUNV IV 26 16 41 30.4 6.72N 73.16W 165 4.2W,4.1
NEIC IV 26 16 41 31.4–.21 6.69N 72.97W 168 4.6b,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.9km az=150.4.
IDC Error ellipse: s-maj=12.0km s-min=8.8km az=74.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.1km az=62.0. Felt at Bucaramanga and Piedecuesta.
IDC IV 27 16 17 25.7–7.0 6.71N 75.80W 129–82 3.4,3.2
¶16154565

IDC Error ellipse: s-maj=173.5km s-min=39.4km az=80.0.
ISC IV 29 06 44 12.6–1.0 6.84N–.07 73.01W–.08 160–10 23 1-63
ISCJB IV 29 06 44 12.0–.69 6.86N–.07 72.98W–.07 165–7 3.0b **¶12936446**
FUNV IV 29 06 44 12.8 6.76N 73.18W 151 3.2W
IDC IV 29 06 44 15.3–3.7 5.69N 73.19W 244–233 3.1,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=7.2km az=44.9.
IDC Error ellipse: s-maj=619.7km s-min=78.4km az=7.0.
ISC IV 29 20 25 52.1–.96 6.83N–.09 73.00W–.09 153–8 3.2b 27 1-150
ISCJB IV 29 20 25 51.2–.59 6.86N–.08 73.04W–.08 155–7 3.3b **¶12936388**
IDC IV 29 20 25 53.2–4.0 6.69N 73.23W 165–27 3.5,3.1
FUNV IV 29 20 25 54.1 6.85N 73.06W 147 3.4W,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=7.2km az=135.0.
IDC Error ellipse: s-maj=74.2km s-min=25.0km az=83.0.
IDC IV 30 15 18 37.1–.95 7.31N 76.26W 0 4.0,3.8b
¶16154669

IDC Error ellipse: s-maj=42.9km s-min=28.5km az=75.0.
ISC V 01 15 26 27.2–1.1 6.5N–.10 74.6W–.20 35 4.5b,3.5s 58 5-149
IDC V 01 15 26 23.6–.59 7.11N 75.29W 57–5 3.9,3.8 **¶12756819**
ISCJB V 01 15 26 27.3–.62 6.34N–.07 74.5W–.10 33 4.3b,3.4s
NEIC V 01 15 26 28.0–3.0 6.29N 74.32W 21–22 4.9b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=11.7km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=9.0km az=11.8.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=9.7km az=115.0.
ISC V 01 15 44 31.6–.35 6.87N–.05 76.32W–.05 18 4.8b,3.9s 207 1-154
IDC V 01 15 44 28.6–.49 6.83N 76.31W 0 4.4,4.3 **¶12746960**
BJI V 01 15 44 29.0 6.80N 76.30W 4 5.3s,4.8
ISCJB V 01 15 44 30.4–.22 6.93N–.03 76.40W–.03 18 4.6b,4.0s
NEIC V 01 15 44 33.0–.22 6.81N 76.36W 30 4.9b,4.3L
SZGRF V 01 15 44 38.4 7.43N 75.87W 33 4.9b,4.3L
ISC Event type fe.
IDC Error ellipse: s-maj=20.1km s-min=12.5km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.0km az=31.4.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.7km az=29.0. Felt at Bello, Caucasia and Medellin.
SZGRF Northern Colombia.
IDC V 02 08 28 02.7–.68 7.03N 76.33W 14–4 3.9,3.8
¶16154828

IDC Error ellipse: s-maj=26.4km s-min=18.2km az=55.0.
IDC V 08 18 19 04.7–.79 8.38N 74.54W 46–7 4.0L,3.9
¶16155524

IDC Error ellipse: s-maj=29.0km s-min=19.2km az=58.0.
ISC V 13 06 13 11.3–.36 6.86N–.05 76.27W–.05 18 4.5b,3.7s 150 1-154
IDC V 13 06 13 08.1–.55 6.85N 76.33W 0 4.2,4.2 **¶12820037**
ISCJB V 13 06 13 10.7–.23 7.01N–.03 76.27W–.03 18 4.4b,4.0s
NEIC V 13 06 13 12.0 6.97N 76.36W 9 4.8b,4.1L
BJI V 13 06 13 14.4 7.10N 76.30W 25 5.3s,5.1b
ISC Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=13.4km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.8km az=10.8.
NEIC Event type fe. Felt at Medellin. After RSNC.
ISC V 14 13 35 01.9–.71 6.18N–.09 72.91W–.10 200 3.4b 25 2-150
ISCJB V 14 13 35 01.2–.52 6.22N–.08 72.95W–.07 200 3.3b **¶13678938**
IDC V 14 13 35 01.8–.87 6.19N 73.00W 196–7 3.5,3.2
FUNV V 14 13 35 16.2 6.62N 71.98W 20 3.4W,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=6.8km az=137.3.
IDC Error ellipse: s-maj=18.5km s-min=12.0km az=84.0.
ISC V 14 21 02 11.3–.86 6.92N–.07 72.84W–.08 151–7 3.3b 23 1-151
ISCJB V 14 21 02 10.6–.58 6.79N–.09 72.97W–.09 174–8 3.3b **¶13678956**
IDC V 14 21 02 11.5–2.2 6.70N 72.97W 169–22 3.4,3.2
FUNV V 14 21 02 19.5 7.06N 72.59W 135 3.2W,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=8.1km az=136.3.
IDC Error ellipse: s-maj=31.9km s-min=22.6km az=51.0.
ISC V 15 19 46 07.7–.65 6.89N–.07 72.90W–.07 166 3.7b 36 1-151
ISCJB V 15 19 46 06.7–.44 6.84N–.06 72.99W–.05 166 3.8b **¶13679016**
IDC V 15 19 46 06.8–2.0 6.82N 72.94W 156–19 3.8,3.6
FUNV V 15 19 46 14.7 7.09N 72.67W 138 3.5W,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.9km az=138.8.
IDC Error ellipse: s-maj=26.5km s-min=14.7km az=59.0.
FUNV V 17 00 51 11.6 6.39N 72.67W 28 4.0W
¶14785132

ISC V 21 17 34 09.0–1.4 7.17N–.05 72.03W–.05 26–10 4.0b 47 1-151
FUNV V 21 17 34 06.7 6.99N 72.19W 18 4.4W **¶13679383**
IDC V 21 17 34 14.3–3.1 7.10N 72.08W 73–28 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=16.2km az=55.0.
ISC V 23 00 58 51.4–.74 6.91N–.08 72.89W–.07 166 3.8b 35 1-151
ISCJB V 23 00 58 50.3–.48 6.87N–.07 72.98W–.05 166 3.7b **¶13679443**
IDC V 23 00 58 51.6–1.7 6.73N 73.00W 170–17 3.8,3.6
FUNV V 23 00 58 58.1 7.12N 72.69W 139 3.8W,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.9km az=150.1.
IDC Error ellipse: s-maj=24.8km s-min=17.8km az=64.0.
ISC V 25 10 44 16.0–.96 6.93N–.07 73.04W–.08 160–9 22 1-150
ISCJB V 25 10 44 15.4–.67 6.89N–.07 73.00W–.07 163–8 2.8b **¶13679615**
IDC V 25 10 44 17.7–4.6 6.71N 73.18W 173–30 3.1,2.8
FUNV V 25 10 44 18.0 6.99N 73.08W 163 3.6W,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=7.3km az=44.9.
IDC Error ellipse: s-maj=80.2km s-min=29.3km az=81.0.
ISC V 26 19 05 41.2–1.7 6.9N–.20 72.9W–.10 166–11 20 1-151
ISCJB V 26 19 05 40.5–.76 6.85N–.09 72.92W–.10 169–8 3.4b **¶14785286**
FUNV V 26 19 05 40.2 6.68N 73.16W 151 3.7W
IDC V 26 19 05 42.9–7.1 6.74N 75.88W 124–82 3.6s,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=6.5km az=43.0.
IDC Error ellipse: s-maj=163.5km s-min=33.6km az=80.0.
ISC V 27 01 54 55.0–.91 6.79N–.10 72.93W–.10 166 3.2b 24 1-150
ISCJB V 27 01 54 54.6–.57 6.84N–.09 73.05W–.09 166 3.3b **¶13679713**
IDC V 27 01 54 54.7–2.8 6.72N 72.95W 164–29 3.5,3.2
FUNV V 27 01 54 59.6 6.83N 72.84W 146 3.5W,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=6.4km az=43.9.
IDC Error ellipse: s-maj=40.0km s-min=27.6km az=50.0.
FUNV V 27 02 03 06.8 9.49N 73.67W 74 3.5W
¶14785298

ISC V 27 05 43 43.0–1.1 6.88N–.08 73.04W–.09 160–10 19 1-150
IDC V 27 05 43 40.5–7.1 6.74N 72.58W 148–47 3.0,2.8 **¶13679723**
ISCJB V 27 05 43 42.6–.78 6.90N–.08 73.01W–.08 164–8 2.9b,2.8
FUNV V 27 05 43 42.9 6.80N 73.24W 149 3.4W,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=127.8km s-min=40.3km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=7.1km az=44.5.
IDC V 30 23 33 09.5–1.9 6.69N 72.94W 162–18 3.4,3.2
¶16066098

IDC Error ellipse: s-maj=26.8km s-min=23.4km az=88.0.
ISC V 31 14 44 49.0–.67 6.94N–.07 72.80W–.08 166 3.6b 38 1-153
ISCJB V 31 14 44 47.0–.55 6.84N–.07 72.96W–.05 166 3.6b **¶13680040**
IDC V 31 14 44 47.3–2.4 6.72N 73.03W 156–20 3.8,3.6
FUNV V 31 14 44 51.9 6.93N 72.82W 142 3.6W,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.9km az=156.8.

IDC Error ellipse: s-maj=35.8km s-min=15.3km az=75.0.
ISC VI 01 04 22 45.5–.69 6.88N–.08 72.86W–.08 166 3.3b 36 1-151
IDC VI 01 04 22 43.2–2.4 6.81N 72.82W 144–20 3.6,3.4 ¶13680083
ISCJB VI 01 04 22 44.1–.50 6.78N–.07 72.96W–.06 166 3.3b,3.4
FUNV VI 01 04 22 52.3 7.06N 72.65W 137 3.5W,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=30.8km s-min=17.8km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.1km az=147.2.
ISC VI 01 13 23 25.8–1.7 6.99N–.05 72.11W–.05 5–11 3.6b 33 1-151
IDC VI 01 13 23 23.3–1.2 7.06N 71.97W 0 3.8,3.6 ¶13680110
FUNV VI 01 13 23 26.9 6.98N 72.32W 5 3.5W,3.6
ISCJB VI 01 13 23 27.1–1.5 7.02N–.04 72.13W–.05 13–10 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VI 01 17 35 20.8–1.4 6.85N–.06 72.28W–.07 13–11 3.8b 32 2-151
IDC VI 01 17 35 18.0–1.1 7.07N 71.98W 0 4.0,3.8 ¶13680120
ISCJB VI 01 17 35 19.8–1.4 6.79N–.06 72.24W–.08 9–12 3.6b,2.6s
FUNV VI 01 17 35 20.0 6.59N 72.64W 69 4.1W,2.6s
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=19.5km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=8.8km az=28.0.
FUNV VI 01 19 01 59.5 6.82N 73.15W 158 3.7W
¶15009293
ISC VI 01 21 28 02.9–.97 6.8N–.10 73.0W–.10 166 18 1-150
ISCJB VI 01 21 28 02.2–.64 6.83N–.10 73.0W–.10 166 3.7b ¶13680134
IDC VI 01 21 28 04.5–3.0 6.73N 73.26W 178–23 3.6,3.5
FUNV VI 01 21 28 14.0 7.20N 72.41W 112 2.9W,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=7.1km az=42.5.
IDC Error ellipse: s-maj=92.8km s-min=29.6km az=101.0.
ISC VI 01 21 48 17.7–.60 6.79N–.05 72.99W–.06 169–6 3.9b 76 1-154
ISCJB VI 01 21 48 16.6–.38 6.79N–.04 72.96W–.04 175–5 3.9b ¶12948691
NEIC VI 01 21 48 16.9–.84 6.77N 73.01W 162–8 4.2b
IDC VI 01 21 48 18.0–.78 6.72N 73.00W 172–8 3.9s,3.9
FUNV VI 01 21 48 26.5 7.16N 72.57W 130 4.1W,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.5km az=141.7.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.6km az=63.0.
IDC Error ellipse: s-maj=13.1km s-min=11.4km az=60.0.
ISC VI 03 23 35 42.9–1.0 6.91N–.08 72.85W–.07 174–8 3.9b 48 1-151
IDC VI 03 23 35 40.0–1.8 6.80N 72.86W 150–17 3.9,3.7 ¶13680377
FUNV VI 03 23 35 40.7 6.75N 73.20W 166 4.4W,3.7
ISCJB VI 03 23 35 41.5–.59 6.89N–.05 72.88W–.05 179–5 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
FUNV VI 04 08 38 59.7 6.64N 72.93W 140 3.5W
¶15009302
ISC VI 04 14 19 28.3–1.2 7.1N–.10 72.74W–.08 169–8 3.5b 28 1-151
IDC VI 04 14 19 26.8–2.3 6.69N 73.13W 171–18 3.6,3.4 ¶13680473
ISCJB VI 04 14 19 28.6–.90 7.28N–.09 72.81W–.08 176–7 3.6b,3.4
FUNV VI 04 14 19 31.2 7.02N 72.73W 152 4.1W,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=42.7km s-min=20.0km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=11.5km az=144.0.
ISC VI 08 10 52 08.9–.72 6.86N–.07 72.88W–.08 157–7 3.9b 40 1-151
ISCJB VI 08 10 52 08.5–.46 6.81N–.06 72.99W–.06 168–6 3.9b ¶13680894
IDC VI 08 10 52 09.6–2.0 6.74N 73.07W 164–17 4.0,3.8
FUNV VI 08 10 52 18.3 7.14N 72.55W 134 4.1W,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=6.7km az=44.8.
IDC Error ellipse: s-maj=30.8km s-min=14.9km az=77.0.
ISC VI 09 06 33 08.9–1.3 7.1N–.10 72.8W–.10 166 20 1-151
IDC VI 09 06 33 08.7–6.5 6.78N 73.20W 171–36 3.4,3.2 ¶13681028
FUNV VI 09 06 33 14.3 7.07N 72.70W 130 3.4W,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=165.5km s-min=30.6km az=95.0.
ISC VI 09 23 57 29.3–1.6 6.44N–.06 71.15W–.05 1–12 28 2-72
IDC VI 09 23 57 28.0–1.9 6.66N 71.10W 0 3.7,3.7b ¶13681080
FUNV VI 09 23 57 29.6 6.27N 71.22W 5 4.0W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=54.6km s-min=18.4km az=154.0.
ISC VI 10 08 34 24.2–.95 7.59N–.08 73.05W–.09 137–8 25 1-151
ISCJB VI 10 08 34 23.3–.76 7.56N–.08 73.02W–.10 152–8 3.6b ¶13681100
IDC VI 10 08 34 23.5–7.3 7.41N 72.88W 156–43 3.5,3.3
FUNV VI 10 08 34 26.0 7.49N 73.03W 140 3.6W,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=7.1km az=39.8.
IDC Error ellipse: s-maj=164.0km s-min=29.9km az=96.0.
ISC VI 11 02 20 56.6–.86 6.85N–.06 72.93W–.07 168–7 3.5b 37 1-151
ISCJB VI 11 02 20 55.8–.54 6.85N–.05 72.90W–.06 173–5 3.4b ¶13681139
IDC VI 11 02 20 56.4–1.9 6.74N 72.97W 166–18 3.4,3.3
FUNV VI 11 02 20 56.4 6.75N 73.10W 168 4.1W,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.2km az=39.2.
IDC Error ellipse: s-maj=27.2km s-min=15.7km az=60.0.
FUNV VI 11 06 56 11.6 6.59N 72.54W 15 3.5W
¶15009328
ISC VI 14 18 02 00.3–.98 6.84N–.07 72.90W–.08 166 22 1-149
ISCJB VI 14 18 02 00.0–.61 6.84N–.07 72.96W–.09 166 3.6b ¶13681374
IDC VI 14 18 02 01.9–3.8 6.75N 73.11W 176–26 3.5,3.4
FUNV VI 14 18 02 04.8 6.90N 72.82W 135 3.2W,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=7.0km az=37.6.
IDC Error ellipse: s-maj=113.6km s-min=31.1km az=104.0.
IDC VI 14 18 31 20.1–2.5 6.69N 73.09W 170–20 3.6,3.4
¶16101332
IDC Error ellipse: s-maj=48.5km s-min=24.0km az=94.0.
ISC VI 16 09 40 40.9–1.2 6.89N–.10 73.0W–.10 166 16 1-151
IDC VI 16 09 40 40.5–7.1 7.34N 74.11W 148–142 3.6,3.3 ¶13681479
ISCJB VI 16 09 40 41.0–.74 6.9N–.10 72.9W–.10 166 3.6,3.3
FUNV VI 16 09 40 44.7 6.89N 72.91W 151 2.8W,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=1099.0km s-min=79.5km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=6.7km az=38.9.
ISC VI 17 04 23 53.8–1.4 6.9N–.10 72.91W–.10 171–10 24 1-151
FUNV VI 17 04 23 51.8 6.76N 73.19W 165 3.7W ¶15009365
ISCJB VI 17 04 23 52.1–.71 6.86N–.07 72.96W–.07 168–8 3.1b
IDC VI 17 04 23 56.9–7.2 4.69N 76.68W 96–76 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=7.1km az=41.7.
IDC Error ellipse: s-maj=95.3km s-min=34.5km az=41.0.
ISC VI 20 23 24 20.9–1.1 6.9N–.10 72.88W–.09 166 24 1-151
ISCJB VI 20 23 24 19.9–.82 6.90N–.10 73.00W–.09 166 3.3b ¶13681746
IDC VI 20 23 24 22.1–4.1 6.55N 73.26W 180–26 3.5,3.0
FUNV VI 20 23 24 25.8 7.02N 72.76W 152 3.2W,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=9.5km az=144.4.
IDC Error ellipse: s-maj=77.7km s-min=28.0km az=81.0.
ISC VI 21 05 21 02.1–.54 6.76N–.05 72.94W–.06 164–5 4.1b 91 1-154
ISCJB VI 21 05 21 00.7–.41 6.75N–.04 73.05W–.04 161–4 4.1b ¶13306232
BJI VI 21 05 21 00.2 6.80N 73.10W 153 4.1b
IDC VI 21 05 21 02.6–.82 6.80N 72.90W 162–7 3.9,3.7
NEIC VI 21 05 21 03.0 6.81N 73.14W 153 4.2b,3.7
FUNV VI 21 05 21 11.1 7.10N 72.56W 136 3.8W,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.5km az=41.1.
IDC Error ellipse: s-maj=17.0km s-min=10.0km az=59.0.
NEIC Event type fe. Felt at Barrancabermeja. After RSNC.
FUNV VI 24 22 03 51.0 7.04N 72.66W 136 3.6W
¶15009402
ISC VI 25 00 56 39.1–.50 6.84N–.04 72.89W–.05 157–4 4.1b 92 1-151
IDC VI 25 00 56 38.7–.66 6.82N 72.87W 153–6 3.9,3.7 ¶13279118
ISCJB VI 25 00 56 39.3–.42 6.78N–.04 72.94W–.04 173–5 4.0b,3.7
NEIC VI 25 00 56 40.4–.58 6.77N 73.09W 162–6 4.2b,3.7
FUNV VI 25 00 56 48.1 7.13N 72.62W 136 4.2W,3.7
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=10.3km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.1km az=24.9.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.0km az=82.0.
ISC VI 27 19 53 30.6–2.0 6.5N–.40 73.0W–.30 250 5 2-150
IDC VI 27 19 53 03.9–3.7 4.44N 75.56W 0 ¶15009421
FUNV VI 27 19 53 36.5 6.49N 72.62W 9 2.5W
ISC Event type ke.
IDC Error ellipse: s-maj=720.2km s-min=16.1km az=160.0.

(101) Venezuela.

FUNV II 10 19 52 13.9 9.28N 69.74W 1 3.8W
¶14358978
FUNV II 14 07 24 07.8 8.61N 70.66W 1 3.5W
¶14359094
ISC II 23 02 25 11.1–1.6 8.11N–.07 72.82W–.06 15–11 3.2b 29 1-151
IDC II 23 02 25 07.4–1.1 8.10N 72.64W 0 3.6,3.4 ¶12701589
FUNV II 23 02 25 11.1 8.10N 72.82W 3 3.5W,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=35.7km s-min=19.3km az=111.0.
ISC II 27 00 56 18.0–1.2 10.51N–.05 72.89W–.09 20–7 28 0-152
ISCJB II 27 00 56 17.3–1.3 10.53N–.04 72.91W–.06 28–7 3.4b ¶12701963
FUNV II 27 00 56 18.8 10.50N 72.87W 11 3.5W
IDC II 27 00 56 21.3–5.6 10.44N 72.72W 57–53 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.4km az=22.2.
IDC Error ellipse: s-maj=47.0km s-min=43.2km az=27.0.
FUNV III 08 16 20 58.8 8.76N 61.46W 11 3.5W
¶14544152
FUNV III 28 21 00 12.0 8.37N 63.07W 1 3.6W
¶14544469
ISC III 31 12 05 43.2–1.4 7.45N–.05 71.37W–.04 6–11 3.5b 28 1-152
FUNV III 31 12 05 43.1 7.40N 71.40W 7 4.0W ¶12636028
IDC III 31 12 05 51.4–1.1 7.23N 71.09W 0 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=18.9km az=70.0.
ISC IV 06 00 26 42.6–1.2 10.80N–.03 69.70W–.03 5–7 4.4b 138 0-154
BJI IV 06 00 26 41.1 10.80N 69.70W 5 5.4b,5.1s ¶12089199
ISCJB IV 06 00 26 41.1–.67 10.85N–.02 69.70W–.02 3–4 4.7s,4.2b
IDC IV 06 00 26 42.2–.61 10.91N 69.76W 0 4.3,4.1
FUNV IV 06 00 26 43.2 10.77N 69.72W 3 4.2W,4.1
NEIC IV 06 00 26 43.1 10.77N 69.72W 2 4.6b,4.0W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.1km az=167.6.
IDC Error ellipse: s-maj=18.1km s-min=14.9km az=46.0.
NEIC Event type fe. Felt at Coro and in Lara. After CAR.
FUNV IV 07 01 51 07.6 10.78N 70.45W 4 3.7W
¶14693886
ISC IV 08 00 07 18.0–1.2 10.31N–.04 69.48W–.03 7–10 28 0-70
IDC IV 08 00 07 17.6–1.5 10.39N 69.38W 0 3.8,3.7 ¶12934845
ISCJB IV 08 00 07 18.3–.53 10.33N–.03 69.48W–.03 19–6 3.7s,3.3b
FUNV IV 08 00 07 18.1 10.31N 69.50W 3 3.4W,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=41.3km s-min=32.9km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.8km az=23.9.
ISC IV 30 20 04 21.0–1.1 10.04N–.06 72.82W–.08 136–11 3.5b 34 2-152
IDC IV 30 20 04 17.8–4.3 9.84N 72.71W 111–38 3.8,3.6 ¶12936466
ISCJB IV 30 20 04 22.0–.75 10.00N–.06 72.70W–.07 148–9 3.4b,3.6
FUNV IV 30 20 04 25.3 10.08N 72.82W 30 4.1W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=24.2km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=8.5km az=38.9.
FUNV V 30 14 32 20.0 9.79N 69.85W 5 3.7W
¶14785366
FUNV VI 16 01 49 13.5 8.75N 70.77W 10 3.6W
¶15009361
FUNV VI 17 19 46 10.1 8.77N 70.78W 2 3.6W
¶15009371
FUNV VI 27 23 40 56.4 10.34N 70.13W 6 3.6W
¶15009422
ISC VI 30 06 12 31.4–1.2 9.12N–.03 70.82W–.04 11–9 3.7b 38 1-153
ISCJB VI 30 06 12 31.1–.93 9.11N–.03 70.82W–.03 10–7 3.4b ¶13682301
FUNV VI 30 06 12 31.8 9.12N 70.86W 4 3.5W
IDC VI 30 06 12 38.2–4.8 9.25N 70.68W 66–43 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=26.4.
IDC Error ellipse: s-maj=32.0km s-min=29.7km az=37.0.

(731) North of Honduras.

ISC I 03 01 43 56.4–1.6 16.1N–.20 83.2W–.10 10 3.4b 10 6-146
IDC I 03 01 43 53.4–1.0 15.78N 83.19W 0 4.0,3.8 ¶12079866
ISCJB I 03 01 43 54.5–1.6 16.1N–.20 83.08W–.07 10 3.4b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC I 20 23 17 41.0–.62 17.59N–.10 79.37W–.07 35 3.5b 43 2-148
IDC I 20 23 17 36.4–1.0 17.63N 79.38W 0 4.5L,4.0 ¶12081907
NEIC I 20 23 17 37.5–.37 17.60N 79.35W 10 4.2b,4.0
ISCJB I 20 23 17 38.8–.51 17.50N–.08 79.39W–.04 33 3.6b,4.0
JSN I 20 23 17 40.4–4.0 18.34N 79.42W 127–89 4.6,4.0
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=25.3km az=26.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.0km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.5km az=164.8.
JSN Error ellipse: s-maj=129.3km s-min=106.6km az=-1.0.
IDC III 10 04 04 22.9–5.9 17.11N 85.31W 0 3.9,3.6
¶12702844
IDC Error ellipse: s-maj=95.0km s-min=46.1km az=152.0.
ISC III 16 05 17 42.0–.59 16.89N–.04 86.23W–.06 10 3.9b,3.5s 127 3-115
IDC III 16 05 17 40.5–1.1 16.89N 85.90W 0 3.9,3.8L ¶12703399
NEIC III 16 05 17 41.9–.66 16.82N 86.13W 10 4.3b,4.2
ISCJB III 16 05 17 42.0–.49 16.90N–.04 86.28W–.05 10 3.9b,3.4s
MEX III 16 05 17 46.8–.30 16.95N 86.25W 20 4.2,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=19.9km az=47.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.2km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.1km az=6.8.
MEX Error ellipse: s-maj=5.1km s-min=12.8km az=-1.0.
ISC IV 04 02 27 06.8–2.0 18.1N–.20 85.7W–.10 35 14 3-143
IDC IV 04 02 26 59.4–3.1 17.88N 85.70W 0 4.2L,3.9 ¶12934517
ISC Event type ke.
IDC Error ellipse: s-maj=49.4km s-min=31.2km az=33.0.
IDC IV 07 07 02 02.6–2.1 18.15N 81.62W 0 4.2L,3.7
¶16152496
IDC Error ellipse: s-maj=54.9km s-min=42.0km az=62.0.
IDC IV 27 07 03 12.3–3.1 18.39N 81.39W 0 3.7,3.4
JSN IV 27 07 03 16.8–.43 14.90N 80.22W 15–999 3.7,3.4 ¶16154545
IDC Error ellipse: s-maj=77.7km s-min=62.1km az=83.0.
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC V 15 23 08 16.9–.68 17.5N–.10 85.10W–.08 35 4.4b,3.6s 97 4-143
IDC V 15 23 08 10.6–1.7 17.31N 84.85W 0 4.6L,4.3 ¶13439623
ISCJB V 15 23 08 15.2–.48 17.36N–.06 85.05W–.05 33 4.3b,3.7s
NEIC V 15 23 08 15.0–2.1 17.23N 85.12W 23–16 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=19.4km az=17.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.4km az=24.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.9km az=222.0.
IDC V 21 06 49 50.0–2.0 17.71N 84.86W 0 4.1,3.9s

¶16155983

IDC Error ellipse: s-maj=85.6km s-min=28.9km az=38.0.
ISC V 28 08 24 48.0–.14 16.81N–.02 86.22W–.02 29 7.1s,6.6b 1473 3-175
CASC V 28 08 24 41.3–1.3 16.85N 86.40W 0–17 6.7b,6.6L **¶12867661**
IDC V 28 08 24 43.8–.42 16.83N 86.11W 0 7.1,7.0s
MOS V 28 08 24 43.3–1.2 16.71N 86.30W 10 7.1s,6.8b
BJI V 28 08 24 45.3 16.70N 86.20W 10 7.6s,7.4
TEH V 28 08 24 46.0 16.78N 86.17W 10 7.1L,7.4
ISCJB V 28 08 24 46.2–.10 16.74N–.02 86.27W–.01 29 7.1s,6.5b
NEIC V 28 08 24 46.6–.12 16.73N 86.22W 19 8.1,7.3W
BGS V 28 08 24 47.5–3.1 17.51N 85.70W 10–999 6.9s,7.3W
SZGRF V 28 08 24 49.7 17.64N 85.29W 33 7.1s,6.5b
GCMT V 28 08 25 04.8–.10 16.50N 87.17W 12 7.3W,6.5b
ISC Event type de.
CASC Error ellipse: s-maj=37.7km s-min=12.0km az=-1.0.
IDC Error ellipse: s-maj=16.7km s-min=10.2km az=64.0.
MOS Error ellipse: s-maj=10.1km s-min=4.8km az=121.7.
ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=1.9km az=34.6.
NEIC Event type de. Error ellipse: s-maj=3.2km s-min=2.2km az=41.0. At least 7 people killed, 40 injured and more than 130 buildings damaged or destroyed in northern Honduras, including the Islas de la Bahia. The central span of a major bridge at El Progreso was destroyed. Felt [VII] at El Progreso, Jose Santos Guardiola, La Lima, Omoa, Puerto Cortes and Utila; [VI] at French Harbor, La Ceiba, Roatan, Sambo Creek, San Pedro Sula, Sandy Bay and Tela; [V] at Arizona, Guanaja, Mateo, Santa Rosa de Copan, Siguatepeque, Tocoa and Villanueva. At least 5 buildings destroyed and 25 damaged in Belize. Felt [VI] at Dangriga; [V] at Belize City, Benque Viejo and Punta Gorda; [IV] at Belmopan, San Ignacio and San Pedro. Felt [V] at Colon and [IV] at Antiguo Cuscatlan, Mejicanos, San Miguel and San Salvador, El Salvador. Felt [VI] at Livingston and Puerto Barrios; [V] at Villa Canales; [IV] at Antigua Guatemala, Chichicastenango, Chimaltenango, Chiquimula, Coban, Fraijanes, Guatemala, Mixco and Villa Nueva, Guatemala. Felt [III] at Carmen, Chetumal, Merida and Villahermosa; [II] at Cancun and Mexico, Mexico. Also felt [II] at Havana, Cuba. Felt in much of Honduras and throughout Belize, El Salvador and Guatemala. Also felt in The Bahamas, Cayman Islands and Virgin Islands and in parts of Colombia, Costa Rica, Cuba, Jamaica, Mexico, Nicaragua and Panama. Seiches were reported in swimming pools at La Ceiba and Roatan, Honduras. Ground cracks and possible liquefaction were observed at Monkey River, Belize. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s340.00000°,δ88.00000°,λ175.00000°. NP2:ϕ_s70.00000°,δ85.00000°,λ2.00000°. Principal axes: T Plg5.0000°,Azm295.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000° ,Azm25.0000° Moment Tensor Solution. $M_0$8.00000×10^{19}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF North of Honduras.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 120 sta. Surface waves: sta= 80, comp=157, per= 50. Moment Tensor Solution. s84,c163; s99,c295; Moment tensor: Scale 10^{20}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s63.00000°,δ60.00000° ,λ-7.00000°. NP2:ϕ_s156.00000°,δ84.00000°,λ-150.00000°. Principal axes: T 1.2000,Plg16.0000°,Azm286.0000°; N 0.1600,Plg59.0000°,Azm166.0000° ; P -1.3700,Plg25.0000°,Azm24.0000° $M_0$1.30000×10^{20}
IDC V 28 08 57 21.8–5.3 16.08N 86.80W 0 4.3,4.0L

¶16156256

IDC Error ellipse: s-maj=88.8km s-min=65.6km az=157.0.
ISC V 28 09 06 24.6–.44 16.39N–.04 87.38W–.08 10 4.8b 136 2-148
MOS V 28 09 06 23.6–1.1 16.44N 87.46W 10 5.0b **¶13439805**
ISCJB V 28 09 06 23.5–.24 16.39N–.03 87.36W–.04 10 4.8s,4.7b
NEIC V 28 09 06 24.6–.29 16.31N 87.41W 10 4.8b,4.7b
BJI V 28 09 06 25.5 16.40N 87.40W 10 5.3b,5.1s
IDC V 28 09 06 28.1–.96 17.12N 87.51W 0 4.4,4.4L
CASC V 28 09 06 39.0–.96 15.43N 87.76W 18 4.8b,4.5L
ISC Event type fe.
MOS Error ellipse: s-maj=18.0km s-min=7.0km az=109.5.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.6km az=0.2.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.5km az=47.0. Felt [V] at La Ceiba and San Pedro Sula. Also felt at Agalteca, Germania, Roatan and Savannah Bight. Felt [V] at Belize City, Dangriga and San Pedro, Belize. Also felt at Orange Walk. Felt at San Salvador, El Salvador and at Amatitlan, Guatemala and Morales, Guatemala.
IDC Error ellipse: s-maj=30.4km s-min=19.2km az=40.0.
CASC Error ellipse: s-maj=57.3km s-min=5.0km az=-1.0.
IDC V 28 09 11 02.8–7.6 16.52N 86.26W 0 4.8L,4.2

¶16156257

IDC Error ellipse: s-maj=143.1km s-min=91.6km az=16.0.
IDC V 28 09 30 21.5–4.4 16.94N 87.03W 0 4.6,4.6s

¶16156259

IDC Error ellipse: s-maj=68.4km s-min=62.2km az=90.0.
IDC V 28 10 12 16.0–5.2 17.86N 87.57W 0 3.7,3.5

¶16156262

IDC Error ellipse: s-maj=98.5km s-min=84.5km az=69.0.
ISC V 28 10 18 06.2–.46 16.61N–.04 86.72W–.09 35 4.3b 92 3-145
IDC V 28 10 18 01.1–.83 16.69N 86.66W 0 5.4,5.4s **¶13439806**
NEIC V 28 10 18 02.5–.45 16.49N 86.75W 10 4.4b,5.4s
ISCJB V 28 10 18 04.5–.32 16.55N–.03 86.73W–.06 33 5.2s,4.2b
CASC V 28 10 18 07.0–1.2 16.33N 86.55W 36–999 4.4b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=15.1km az=47.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.6km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.0km az=6.1.
CASC Error ellipse: s-maj=45.1km s-min=28.3km az=-1.0.
ISC V 28 10 30 22.7–.73 16.42N–.04 86.7W–.10 35 4.0b 40 2-85
CASC V 28 10 30 14.2–1.4 16.53N 86.06W 35–999 4.5L,4.4 **¶13679803**
IDC V 28 10 30 16.1–2.4 16.13N 86.81W 0 4.3L,4.2
NEIC V 28 10 30 18.7–.44 16.28N 86.72W 10 4.2b,4.2
ISCJB V 28 10 30 19.7–.47 16.32N–.03 86.55W–.08 33 4.1b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC V 28 10 37 45.4–.62 16.31N–.04 87.55W–.09 35 3.9b 47 2-140
IDC V 28 10 37 40.9–2.6 16.46N 87.29W 0 4.2L,4.1 **¶13679804**
NEIC V 28 10 37 42.6–.48 16.31N 87.46W 10 4.1b,4.1
CASC V 28 10 37 42.9–3.6 16.31N 87.75W 20–999 4.7L,4.6
ISCJB V 28 10 37 43.4–.39 16.28N–.03 87.57W–.06 33 3.9b,4.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC V 28 11 05 15.5–.66 16.48N–.08 86.8W–.10 22 4.3b 53 2-141
IDC V 28 11 05 12.3–1.3 16.43N 86.76W 0 5.2L,4.2 **¶13679805**
NEIC V 28 11 05 14.0–.34 16.41N 86.76W 10 4.3b,4.2
ISCJB V 28 11 05 14.0–.51 16.46N–.06 86.74W–.07 22 4.2b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 28 13 06 37.9–5.4 16.05N 86.87W 0 3.9,3.6

¶16156268

IDC Error ellipse: s-maj=110.4km s-min=88.3km az=40.0.
IDC V 28 13 15 36.6–2.6 16.15N 87.11W 0 4.2,3.8

¶12871341

IDC Error ellipse: s-maj=94.6km s-min=51.5km az=65.0.
IDC V 28 13 48 00.7–2.9 16.44N 86.69W 0 3.6,3.6L

¶16156272

IDC Error ellipse: s-maj=109.3km s-min=42.4km az=69.0.
IDC V 28 13 56 13.9–2.2 16.76N 86.26W 0 4.3L,4.0

¶12871342

IDC Error ellipse: s-maj=112.3km s-min=29.4km az=60.0.
IDC V 28 18 20 42.5–2.8 16.46N 87.26W 0 4.0,4.0L

¶16156281

IDC Error ellipse: s-maj=71.3km s-min=34.0km az=37.0.
ISC V 28 18 58 40.6–1.4 16.98N–.06 87.7W–.10 10 3.7b 72 3-86
CASC V 28 18 58 29.4–3.8 17.18N 87.30W 162–172 4.3 **¶13679842**
IDC V 28 18 58 39.2–1.3 16.78N 86.67W 40–6 4.1L,3.8
ISC Event type ke.
CASC Error ellipse: s-maj=66.9km s-min=41.7km az=-1.0.
IDC Error ellipse: s-maj=32.0km s-min=14.5km az=47.0.
ISC V 28 20 42 45.6–2.1 16.7N–.20 87.2W–.10 35 7 4-62
IDC V 28 20 42 44.2–4.5 16.77N 87.96W 0 3.8,3.8L **¶12871343**
ISC Event type ke.
IDC Error ellipse: s-maj=96.2km s-min=55.2km az=100.0.
ISC V 29 02 45 44.7–1.5 16.07N–.04 87.54W–.06 18–9 4.5b,4.1s 151 2-148
IDC V 29 02 45 42.5–.82 16.18N 87.46W 0 4.5,4.3L **¶12868614**
NEIC V 29 02 45 44.4–.33 16.10N 87.58W 10 4.5b,4.3L
BJI V 29 02 45 44.7 16.10N 87.60W 10 5.3b,4.6s
ISCJB V 29 02 45 45.6–1.3 16.27N–.02 87.53W–.04 23–11 4.5b,4.2s
CASC V 29 02 45 45.1–1.5 16.36N 87.66W 15–120 4.5L,4.5b
ISC Event type fe.
IDC Error ellipse: s-maj=23.1km s-min=16.1km az=56.0.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=5.3km az=59.0. Felt [IV] at Roatan, [III] at La Ceiba and [II] at San Pedro Sula and Utila. Also felt at La Lima, Omoa, Sandy Bay and Valle de Angeles. Felt [III] at Belize City, Belize. Also felt at Dangriga and San Ignacio.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.6km az=14.5.
CASC Error ellipse: s-maj=71.9km s-min=29.2km az=-1.0.
ISC V 29 04 38 22.1–.64 16.32N–.07 87.7W–.10 35 3.9b,3.0s 40 2-140
IDC V 29 04 38 17.4–2.6 16.38N 87.58W 0 4.1,3.9 **¶13679871**
NEIC V 29 04 38 18.7–.51 16.33N 87.65W 10 4.3b,3.9
ISCJB V 29 04 38 19.8–.43 16.32N–.05 87.62W–.10 33 3.9b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC V 29 05 17 18.0–2.3 16.49N–.04 86.65W–.08 24–17 4.0b 57 2-145
IDC V 29 05 17 14.0–.83 16.42N 86.58W 0 4.1,4.0 **¶12871345**
NEIC V 29 05 17 15.6–.38 16.43N 86.57W 10 4.1b,4.0
ISCJB V 29 05 17 18.9–.72 16.55N–.04 86.60W–.07 43–8 4.0b,4.0
CASC V 29 05 17 19.2–1.3 16.68N 87.10W 0–63 4.4,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=16.2km az=56.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.7km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.9km az=9.8.
CASC Error ellipse: s-maj=184.5km s-min=111.1km az=-1.0.
IDC V 30 01 44 48.1–3.9 16.09N 85.81W 0 4.5L,4.0

¶16066055

IDC Error ellipse: s-maj=111.5km s-min=56.9km az=46.0.
IDC V 30 03 06 26.8–24 17.86N 86.10W 0 3.5,3.4L

¶16066059

IDC Error ellipse: s-maj=587.9km s-min=93.7km az=3.0.
ISC V 30 06 33 04.0–1.7 16.21N–.04 87.59W–.05 6–11 4.6b,3.6s 119 2-140
CASC V 30 06 32 43.7–2.4 17.84N 86.78W 35–999 4.7L,4.6 **¶12869572**
ISCJB V 30 06 33 04.7–.26 16.29N–.02 87.54W–.04 10 4.4b,3.8s
IDC V 30 06 33 05.0–1.1 16.49N 87.40W 0 4.3L,4.2
NEIC V 30 06 33 05.5–.41 16.14N 87.71W 10 4.6b,4.2
BJI V 30 06 33 07.4 16.40N 87.60W 10 4.9s,4.5
ISC Event type fe.
CASC Error ellipse: s-maj=42.1km s-min=23.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.3km az=9.9.
IDC Error ellipse: s-maj=31.9km s-min=17.6km az=41.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=6.6km az=79.0. Felt [IV] at San Pedro Sula. Also felt at Arizona, Choloma, La Ceiba, La Lima, Puerto Cortes and Utila. Felt [III] at Dangriga, Belize. Also felt at Belmopan and San Ignacio.
ISC V 30 09 15 38.4–1.6 16.05N–.06 87.7W–.20 35 3.6b 15 2-140
CASC V 30 09 15 33.9–3.2 16.25N 87.72W 20–999 4.4,3.9L **¶13679963**
ISCJB V 30 09 15 36.7–1.1 16.10N–.05 87.8W–.10 33 3.6b,3.4s
IDC V 30 09 15 44.9–3.4 16.31N 88.76W 0 3.9,3.9L
ISC Event type ke.
CASC Error ellipse: s-maj=43.5km s-min=29.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=5.7km az=10.0.
IDC Error ellipse: s-maj=66.9km s-min=28.2km az=116.0.
ISC V 30 12 20 03.2–.60 16.03N–.04 87.55W–.07 10 4.1b,3.4s 61 2-145
IDC V 30 12 20 00.9–1.8 15.87N 87.39W 0 4.2,4.2L **¶13679973**
ISCJB V 30 12 20 02.2–.44 16.03N–.02 87.50W–.07 10 4.1b,3.4s
CASC V 30 12 20 02.0–3.0 16.18N 87.53W 20–999 4.5,4.3L
NEIC V 30 12 20 03.4–.47 15.96N 87.48W 10 4.2b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=48.4km s-min=27.8km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.4km az=3.9.
CASC Error ellipse: s-maj=33.7km s-min=17.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=7.5km az=68.0.
IDC V 31 12 10 07.7–6.9 17.55N 87.97W 0 4.1L,3.9

¶16066114

IDC Error ellipse: s-maj=110.1km s-min=49.4km az=146.0.
IDC VI 01 04 05 22.8–3.8 16.25N 87.22W 0 3.8,3.7L

¶16066146

IDC Error ellipse: s-maj=99.1km s-min=58.3km az=78.0.
IDC VI 01 06 29 29.3–3.5 16.45N 86.90W 0 4.0,3.7

¶16066151

IDC Error ellipse: s-maj=74.7km s-min=57.4km az=68.0.
IDC VI 01 06 52 42.8–4.0 16.27N 87.08W 0 3.5,3.4

¶16066153

IDC Error ellipse: s-maj=105.7km s-min=59.5km az=75.0.
IDC VI 02 07 04 31.5–2.9 16.38N 85.56W 0 4.0,3.7

¶16066207

IDC Error ellipse: s-maj=98.8km s-min=42.8km az=40.0.
IDC VI 02 08 10 11.9–1.4 16.12N 85.43W 0 3.8,3.6

¶16066209

IDC Error ellipse: s-maj=90.0km s-min=21.9km az=53.0.
IDC VI 02 11 25 08.8–3.7 16.23N 85.64W 0 4.3L,3.9

¶16066217

IDC Error ellipse: s-maj=97.3km s-min=55.0km az=40.0.
IDC VI 02 14 01 58.7–3.8 16.27N 87.07W 0 3.8,3.6

¶16066225

IDC Error ellipse: s-maj=97.4km s-min=58.9km az=75.0.
IDC VI 02 21 26 36.4–3.4 16.41N 85.29W 0 4.1L,4.0

¶16066245

IDC Error ellipse: s-maj=125.8km s-min=43.1km az=40.0.
IDC VI 02 23 19 20.0–3.0 16.10N 86.25W 0 4.6L,4.3

¶16066249

IDC Error ellipse: s-maj=79.0km s-min=31.6km az=34.0.
IDC VI 03 02 54 27.0–3.9 16.21N 85.91W 0 4.0L,3.9

¶16100880

IDC Error ellipse: s-maj=113.3km s-min=56.4km az=46.0.
IDC VI 03 22 52 01.0–5.4 16.58N 86.20W 0 4.4L,4.2

¶16100912

IDC Error ellipse: s-maj=109.2km s-min=75.1km az=15.0.
ISC VI 06 04 37 37.7–2.1 16.30N–.03 87.69W–.04 15–13 4.6b,4.3s 160 2-145
CASC VI 06 04 37 34.5–4.5 16.50N 87.69W 20–999 4.8,4.7L **¶12938960**
IDC VI 06 04 37 36.3–.84 16.39N 87.43W 0 4.5L,4.3
ISCJB VI 06 04 37 36.7–1.3 16.29N–.02 87.56W–.04 15–10 4.5b,4.3s
NEIC VI 06 04 37 37.0–.33 16.17N 87.65W 10 4.7b,4.3s
BJI VI 06 04 37 39.0 16.20N 87.50W 20 5.2b,5.0s
GCMT VI 06 04 37 40.9–.20 16.38N 87.67W 15 5.0W,5.0s
ISC Event type fe.
CASC Error ellipse: s-maj=62.6km s-min=30.9km az=-1.0.
IDC Error ellipse: s-maj=26.0km s-min=15.1km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.4km az=5.1.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=5.5km az=60.0. Felt [IV] at Utila and [II] at El Progreso, La Ceiba and San Pedro Sula. Also felt at Arizona, El Eden, Puerto Cortes, Roatan and San Manuel. Felt [II] at Belize City, Belize. Also felt at Dangriga and San Ignacio.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s28,c37; s74,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.19±.13 $M_{\theta\theta}$-3.21±.11; $M_{\phi\phi}$3.40±.13; $M_{r\theta}$-2.19±.38; $M_{\theta\phi}$1.95±.11; $M_{\phi r}$1.04±.38; Best double couple: NP1:ϕ_s57.00000°,δ66.00000°,λ-15.00000°. NP2:ϕ_s153.00000°,δ77.00000°,λ-155.00000°. Principal axes: T 3.9900,Plg7.0000° ,Azm283.0000°; N 0.9600,Plg62.0000°,Azm179.0000°; P -4.9500,Plg27.0000°,Azm17.0000° $M_0$4.50000×10^{16}
CASC VI 06 07 14 30.8–1.5 16.22N 87.01W 35–225 4.2

¶14931292

CASC Error ellipse: s-maj=130.4km s-min=64.4km az=-1.0.
ISC VI 06 11 53 48.8–.47 16.51N–.04 87.04W–.08 35 4.3b,3.6s 88 2-141

IDC VI 06 11 53 41.7–1.1 16.17N 86.97W 0 4.2,4.1L ¶12939079
NEIC VI 06 11 53 45.6–.48 16.36N 87.07W 10 4.5b,4.1L
ISCJB VI 06 11 53 47.8–.36 16.51N–.03 86.99W–.07 33 4.2b,3.9s
CASC VI 06 11 53 47.1–2.2 16.46N 86.68W 36–999 4.5b,4.4
ISC Event type fe.
IDC Error ellipse: s-maj=29.8km s-min=20.8km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=7.9km az=63.0. Felt [III] at Utila and [II] at La Ceiba, Roatan and San Pedro Sula. Also felt at Cerro Grande, French Harbor and Tocoa. Felt at Belize City and Dangriga, Belize.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=3.6km az=6.3.
CASC Error ellipse: s-maj=65.3km s-min=30.4km az=-1.0.
CASC VI 06 21 00 38.6–3.9 16.42N 87.92W 117–108 4.0
¶14931312
CASC Error ellipse: s-maj=49.5km s-min=22.5km az=-1.0.
ISC VI 07 16 17 27.6–.68 16.43N–.04 86.7W–.10 10 4.0b 43 2-141
ISCJB VI 07 16 17 25.9–.64 16.38N–.05 86.71W–.09 10 4.0b ¶13680793
IDC VI 07 16 17 25.6–1.1 16.64N 86.25W 0 4.9L,4.2
NEIC VI 07 16 17 27.5–.58 16.39N 86.64W 10 4.2b,4.2
CASC VI 07 16 17 52.0–3.2 15.35N 88.32W 121–40 4.2,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=6.8km az=17.5.
IDC Error ellipse: s-maj=76.1km s-min=17.0km az=58.0.
NEIC Event type fe. Error ellipse: s-maj=17.4km s-min=8.4km az=79.0. Felt at Jose Santos Guardiola and La Ceiba.
CASC Error ellipse: s-maj=42.7km s-min=18.7km az=-1.0.
ISC VI 08 05 24 39.5–.70 16.03N–.04 87.0W–.10 21–6 4.2b 40 2-145
IDC VI 08 05 24 36.6–1.1 16.35N 86.58W 0 4.3,4.0 ¶13680872
ISCJB VI 08 05 24 37.7–2.5 16.04N–.04 87.03W–.09 20–20 4.2b,4.0
NEIC VI 08 05 24 37.7–.63 15.94N 87.10W 10 4.2b,4.0
CASC VI 08 05 24 40.1–2.7 15.94N 87.08W 15 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=68.8km s-min=20.5km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=6.2km az=3.0.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=10.2km az=71.0.
CASC Error ellipse: s-maj=23.8km s-min=41.5km az=-1.0.
IDC VI 08 07 20 26.4–1.2 16.17N 86.54W 0 4.2L,3.9
¶16101093
IDC Error ellipse: s-maj=51.4km s-min=21.6km az=56.0.
IDC VI 11 13 41 58.0–1.1 17.22N 85.33W 0 4.6L,4.2
¶16101207
IDC Error ellipse: s-maj=32.3km s-min=18.3km az=42.0.
ISC VI 15 16 00 54.1–.89 16.36N–.04 87.18W–.05 16–5 4.7b,4.2s 246 2-145
CASC VI 15 16 00 51.5–4.3 16.96N 87.09W 37–449 5.2L,4.8b ¶13383488
IDC VI 15 16 00 51.9–.62 16.30N 87.04W 0 4.6,4.5
NEIC VI 15 16 00 53.8–.26 16.32N 87.04W 10 4.8b,4.5
BJI VI 15 16 00 53.8 16.40N 87.10W 10 5.3b,5.1s
ISCJB VI 15 16 00 56.2–.17 16.48N–.02 86.96W–.03 33 4.6b,4.2s
SZGRF VI 15 16 00 56.2 15.87N 86.88W 33 4.8b,4.2s
GCMT VI 15 16 00 58.3–.20 16.45N 87.19W 16–1 5.1W,4.2s
ISC Event type fe.
CASC Error ellipse: s-maj=216.8km s-min=170.9km az=-1.0.
IDC Error ellipse: s-maj=23.8km s-min=11.7km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.1km az=221.0. Felt [IV] at La Ceiba, San Pedro Sula, Tela and Utila; [III] at Sandy Bay; [II] at Roatan and Tegucigalpa. Also felt at Agalteca, Catacamas, El Eden, El Mochito, El Progreso, French Harbor, Guaymitas, Jose Santos Guardiola, La Lima, La Masica, Puerto Cortes, San Manuel and Villanueva. Felt [II] at Belize City, Belize.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.9km az=13.2.
SZGRF Honduras.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s43,c51; s78,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.34±.12 $M_{\theta\theta}$-3.93±.11; $M_{\phi\phi}$4.27±.13; $M_{r\theta}$-3.81±.51; $M_{\theta\phi}$1.01±.10; $M_{\phi r}$0.49±.32; Best double couple: NP1:ϕ_s47.00000°,δ68.00000°,λ-24.00000°. NP2:ϕ_s147.00000°,δ68.00000°,λ-156.00000°. Principal axes: T 4.3900,Plg0.0000° ,Azm277.0000°; N 2.0700,Plg58.0000°,Azm186.0000°; P -6.4600,Plg32.0000°,Azm7.0000° M_o5.40000×10^{16}
IDC VI 15 19 16 02.8–2.1 16.15N 87.34W 0 4.3,4.1b
¶16101377
IDC Error ellipse: s-maj=41.2km s-min=37.5km az=124.0.
CASC VI 20 07 57 06.2–2.6 16.09N 86.95W 20–252 4.1
¶14931567
CASC Error ellipse: s-maj=165.6km s-min=132.5km az=-1.0.

SEISMIC REGION 8.
Andean South America.

(102) Near west coast of Colombia.

ISC I 18 03 13 53.4–.50 4.85N–.06 77.24W–.08 35 4.0b 42 3-146
ISCJB I 18 03 13 51.3–.49 4.82N–.05 77.22W–.06 33 3.8b ¶12081596
NEIC I 18 03 13 54.8–.86 4.82N 77.32W 54–8 4.4b
IDC I 18 03 13 54.3–3.7 4.87N 77.15W 45–36 3.8,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.7km az=19.3.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.7km az=55.0.
IDC Error ellipse: s-maj=27.7km s-min=16.2km az=62.0.
IDC II 13 14 35 25.4–.89 6.01N 77.42W 19–5 3.3,3.2
¶15955940
IDC Error ellipse: s-maj=37.4km s-min=26.2km az=27.0.
ISC III 19 15 57 19.4–.64 2.36N–.09 78.7W–.10 35 3.7b 17 5-152
ISCJB III 19 15 57 16.9–.62 2.40N–.08 78.64W–.09 33 3.6b ¶12703695
IDC III 19 15 57 21.1–8.1 2.46N 78.40W 52–76 3.7,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=11.1km az=29.5.
IDC Error ellipse: s-maj=31.9km s-min=17.6km az=63.0.

(103) Colombia.

IDC I 13 01 31 41.9–2.5 5.98N 74.10W 52–25 3.8,3.6b
¶12081158
IDC Error ellipse: s-maj=26.2km s-min=19.3km az=75.0.
ISC I 13 19 47 52.6–.38 5.88N–.04 76.11W–.04 59–3 4.7b,3.9s 495 1-155
SZGRF I 13 19 47 49.8 6.06N 75.19W 58 4.8b,3.9s ¶13404842
ISCJB I 13 19 47 50.9–.52 5.79N–.03 76.09W–.02 53–4 4.6b,4.0s
BJI I 13 19 47 51.2 5.80N 76.10W 57 5.4s,5.2b
IDC I 13 19 47 52.5–.49 5.84N 76.11W 59–4 4.4,4.3
NEIC I 13 19 47 52.3–.23 5.77N 76.14W 58 4.7b,4.3
ISC Event type fe.
SZGRF Northern Colombia.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=22.2.
IDC Error ellipse: s-maj=14.2km s-min=8.7km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.8km az=57.0. Felt [III] at Medellin and [II] at Envigado and Pereira. Also felt at Manizales and Retiro.
ISC I 14 09 00 24.5–.72 5.61N–.07 73.70W–.07 134 3.4b 34 1-149
FUNV I 14 09 00 23.5 5.31N 73.89W 70 3.7W ¶12081259
ISCJB I 14 09 00 24.2–.52 5.66N–.06 73.75W–.06 134 3.4b
IDC I 14 09 00 24.7–.94 5.51N 73.74W 144–12 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.2km az=135.1.
IDC Error ellipse: s-maj=36.2km s-min=17.7km az=51.0.
ISC III 09 18 58 10.9–1.2 5.32N–.09 73.56W–.09 158 23 1-149
IDC III 09 18 58 09.6–5.1 5.13N 75.54W 120–60 3.6,3.2b ¶12702815
ISCJB III 09 18 58 10.4–.77 5.40N–.08 73.67W–.10 158 3.4b,3.2b
FUNV III 09 18 58 10.5 5.11N 73.72W 142 3.8W,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=106.6km s-min=45.4km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=6.9km az=37.8.
IDC III 16 09 58 24.9–1.9 4.77N 76.10W 145–17 3.4,3.3
¶12703414
IDC Error ellipse: s-maj=30.7km s-min=14.3km az=54.0.
IDC III 22 13 52 32.3–6.0 5.46N 72.66W 129–39
¶12635291
IDC Error ellipse: s-maj=109.4km s-min=69.6km az=157.0.
IDC III 23 19 55 33.1–1.1 4.77N 75.85W 0 3.7,3.5b
¶12635412
IDC Error ellipse: s-maj=26.6km s-min=15.4km az=2.0.
IDC III 28 15 55 06.1–2.9 4.59N 75.91W 103–22 3.5,3.4b
¶12635782
IDC Error ellipse: s-maj=32.4km s-min=27.8km az=45.0.
ISC III 30 17 17 39.2–2.2 5.75N–.06 72.61W–.07 5–15 3.7b 33 2-150
FUNV III 30 17 17 35.6 5.39N 72.85W 3 4.0W ¶12635965
IDC III 30 17 17 48.0–2.9 5.63N 72.94W 86–26 3.5,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=18.1km az=56.0.
FUNV IV 07 04 30 51.8 5.02N 73.52W 5 3.7W
¶14693888
IDC IV 21 14 29 48.0–8.9 4.47N 72.19W 0 4.0,3.6
¶16153215
IDC Error ellipse: s-maj=594.7km s-min=46.3km az=89.0.
ISC IV 25 02 12 09.8–1.3 5.3N–.10 73.6W–.10 150 19 1-149
FUNV IV 25 02 12 08.7 5.03N 73.78W 124 3.0W ¶12936190
ISCJB IV 25 02 12 09.6–.90 5.3N–.10 73.6W–.10 150 3.1b
IDC IV 25 02 12 11.7–3.4 5.59N 74.74W 134–103 3.2,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.5km s-min=7.7km az=43.8.
IDC Error ellipse: s-maj=542.1km s-min=47.8km az=88.0.
IDC IV 26 15 00 48.0–10 2.87N 74.83W 0 3.9,3.5
¶16154524
IDC Error ellipse: s-maj=659.4km s-min=49.7km az=93.0.
ISC V 22 04 53 10.1–.39 5.66N–.04 72.61W–.05 25–2 4.6b,3.8s 252 2-150
ISCJB V 22 04 53 08.6–.25 5.68N–.03 72.63W–.03 23 4.5b,3.9s ¶12853090
NEIC V 22 04 53 10.2–.21 5.64N 72.60W 23 4.7b,3.9s
IDC V 22 04 53 10.1–.48 5.65N 72.67W 21–2 4.2,4.0
BJI V 22 04 53 10.2 5.70N 72.50W 23 5.3b,5.1s
FUNV V 22 04 53 12.2 5.51N 72.74W 27 5.0W,5.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.4km az=147.9.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.8km az=134.0.
IDC Error ellipse: s-maj=12.5km s-min=10.9km az=4.0.
IDC V 24 16 16 42.4–3.5 4.32N 75.91W 182–41 3.5,3.1
¶13193110
IDC Error ellipse: s-maj=76.3km s-min=32.6km az=81.0.
IDC V 28 13 26 50.7–1.9 2.98N 76.32W 0 3.7,3.4
¶16156270
IDC Error ellipse: s-maj=55.7km s-min=19.5km az=143.0.
IDC V 28 13 37 41.6–.80 2.70N 75.91W 0 4.0,3.9
¶16156271
IDC Error ellipse: s-maj=19.9km s-min=18.1km az=114.0.
IDC VI 04 13 47 35.8–4.5 5.02N 75.95W 166–44 3.6,3.5
¶16100946
IDC Error ellipse: s-maj=93.7km s-min=23.9km az=66.0.
FUNV VI 04 21 05 16.2 5.23N 72.47W 90 3.7W
¶15009303
FUNV VI 14 01 20 10.2 5.94N 72.75W 12 3.5W
¶15009344
IDC VI 27 13 23 39.1–2.0 5.09N 75.38W 144–13 3.7,3.6
¶16101783
IDC Error ellipse: s-maj=36.9km s-min=35.0km az=109.0.

(104) Off coast of Ecuador.

IGQ II 20 05 21 08.8 1.38S 81.35W 10–10 4.2b,4.0s
¶14463206
IGQ Error ellipse: s-maj=7.2km s-min=3.4km az=5.1.
IGQ II 26 00 08 14.9 1.35S 81.26W 13–25 4.5b,4.3s
¶14463214
IGQ Error ellipse: s-maj=8.6km s-min=4.1km az=7.2.
IGQ II 28 12 45 13.5 1.35S 81.15W 12–173 4.0b,3.8s
¶14463218
IGQ Error ellipse: s-maj=8.5km s-min=6.0km az=5.8.
IGQ II 28 12 59 44.9 1.46S 81.30W 12–34 4.3b,4.1s
¶14463219
IGQ Error ellipse: s-maj=5.7km s-min=3.7km az=4.5.
IGQ III 03 18 32 21.6 1.30S 81.26W 19–170 4.1b,3.9s
¶14463221
IGQ Error ellipse: s-maj=12.8km s-min=9.6km az=9.2.
IGQ V 03 22 47 42.0 1.54S 81.28W 12–14 4.1b,3.9s
¶14474890
IGQ Error ellipse: s-maj=13.2km s-min=3.8km az=13.1.
ISC V 10 01 16 06.4–.24 1.35N–.04 85.28W–.05 6 5.7s,5.5b 718 5-160
IDC V 10 01 16 05.6–.40 1.42N 85.24W 0 5.7,5.7s ¶13439457
ISCJB V 10 01 16 05.4–.18 1.38N–.03 85.26W–.03 6 5.7s,5.4b
SZGRF V 10 01 16 05.0 0.90N 85.56W 33 5.9s,5.1b
NEIC V 10 01 16 07.0–.16 1.39N 85.17W 6 6.1W,6.0W
MOS V 10 01 16 10.4–1.2 1.57N 85.09W 33 5.7s,5.7b
BJI V 10 01 16 10.3 1.40N 85.20W 26 6.0s,5.9
GCMT V 10 01 16 11.6–.10 1.22N 85.33W 14 6.1W,5.9
ISC Event type fe.
IDC Error ellipse: s-maj=20.4km s-min=8.9km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=138.7.
SZGRF Off coast of Ecuador.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=224.0. Felt at Puerto Baquerizo Moreno, Galapagos Islands. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s187.00000°,δ83.00000°,λ-170.00000°. NP2: ϕ_s96.00000°,δ80.00000°,λ-7.00000°. Principal axes: T Plg2.0000°,Azm321.0000° ; N Plg0.0000°,Azm0.0000°; P Plg12.0000°,Azm52.0000° Moment Tensor Solution. s70 Moment tensor: Scale 10^{18}Nm; M_{rr}0.15 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.08 $M_{\theta\phi}$1.17 $M_{\phi r}$0.12 Best double couple: NP1:ϕ_s93.00000°,δ83.00000°,λ5.00000°. NP2:ϕ_s2.00000°,δ85.00000° ,λ173.00000°. Principal axes: T 1.1200,Plg8.0000°,Azm317.0000°; N 0.1300,Plg81.0000° ,Azm146.0000°; P -1.2500,Plg1.0000°,Azm47.0000° M_o1.20000×10^{18}
MOS Error ellipse: s-maj=7.7km s-min=4.7km az=99.8.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=107, comp=247, per= 50. Moment Tensor Solution. s106,c235; s88,c149; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.09±.01 $M_{\theta\theta}$0.46±.01; $M_{\phi\phi}$-0.37±.01; $M_{r\theta}$-0.17±.02; $M_{\theta\phi}$1.74±.01; $M_{\phi r}$0.18±.02; Best double couple: NP1:ϕ_s187.00000°,δ84.00000°,λ-175.00000°. NP2:ϕ_s96.00000°,δ85.00000°,λ-6.00000°. Principal axes: T 1.8300,Plg1.0000°,Azm142.0000°; N -0.0500,Plg82.0000°,Azm236.0000° ; P -1.7800,Plg8.0000°,Azm52.0000° M_o1.80000×10^{18}
ISC V 10 03 20 58.2–.44 1.32N–.08 85.30W–.09 27 4.3s,4.2b 73 5-142
IDC V 10 03 20 54.6–.73 1.29N 85.36W 0 5.0L,4.3 ¶12792194
NEIC V 10 03 20 56.2–.32 1.29N 85.32W 10 4.4b,4.3
BJI V 10 03 20 56.3 1.30N 85.30W 10 4.4b,4.3
ISCJB V 10 03 20 57.0–.35 1.31N–.06 85.29W–.07 27 4.3s,4.1b
GCMT V 10 03 20 58.2–.40 1.25N 85.42W 25–1 5.1W,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=13.0km az=56.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.8km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.0km az=140.8.
GCMT Event type se. Data Used: II G IC IU CN. Moment Tensor Solution. s18,c20; s67,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}0.44±.36 $M_{\theta\theta}$2.54±.34; $M_{\phi\phi}$-2.98±.38; $M_{r\theta}$1.30±.59; $M_{\theta\phi}$5.04±.21; $M_{\phi r}$1.20±.63; Best double couple: NP1:ϕ_s106.00000°,δ75.00000°,λ10.00000°. NP2:ϕ_s13.00000°,δ80.00000°,λ165.00000°. Principal axes: T 6.0600,Plg17.0000° ,Azm329.0000°; N -0.0700,Plg72.0000°,Azm161.0000°; P -5.9900,Plg3.0000°,Azm60.0000° M_o6.00000×10^{16}
ISC V 10 07 22 17.5–.29 1.36N–.05 85.29W–.06 35 5.0b,4.5s 370 5-160
IDC V 10 07 22 12.6–.47 1.55N 85.12W 0 4.7,4.7 ¶12792206
BJI V 10 07 22 14.3 1.40N 85.30W 10 5.4s,5.4b
NEIC V 10 07 22 14.2–.16 1.43N 85.24W 10 5.1b,5.4b
GCMT V 10 07 22 16.9–.20 1.44N 85.33W 18–0 5.3W,5.4b
MOS V 10 07 22 16.7–.94 1.59N 85.12W 33 5.3b,5.4b
ISCJB V 10 07 22 16.0–.22 1.45N–.03 85.24W–.03 33 5.0b,4.5s
ISC Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s69,c107; s85,c154; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s94.00000°,δ69.00000°,λ-4.00000°. NP2:ϕ_s186.00000° ,δ86.00000°,λ-159.00000°. Principal axes: T 1.0300,Plg12.0000°,Azm318.0000°

; N -0.0500,Plg69.0000°,Azm196.0000°; P -0.9800,Plg17.0000°,Azm52.0000° $M_0$1.00000×10^{17}
ISCJB Event type se.
IGQ V 10 14 23 21.3 1.66S 81.50W 6–18 4.0b,3.8s ¶14477331
IGQ Error ellipse: s-maj=6.5km s-min=3.2km az=4.2.
IGQ V 14 22 43 21.8 1.53S 81.29W 10–10 4.3b,4.1s ¶14478776
IGQ Error ellipse: s-maj=8.3km s-min=3.9km az=5.3.
IGQ V 15 00 37 16.9 1.62S 81.43W 6–26 4.1b,3.9s ¶14478806
IGQ Error ellipse: s-maj=9.4km s-min=4.4km az=10.5.
IGQ V 15 20 13 13.4 0.42S 81.15W 10–37 4.2b,4.0s ¶14479072
IGQ Error ellipse: s-maj=7.5km s-min=4.4km az=4.7.
ISC V 23 12 55 29.0–.65 0.72N–.10 86.0W–.10 10 4.1s,3.9b 24 8-93
IDC V 23 12 55 28.1–1.0 0.80N 85.85W 0 4.1,4.1s ¶13193095
NEIC V 23 12 55 29.2–.80 1.06N 85.21W 10 4.1b,4.1s
GCMT V 23 12 55 32.9–.20 1.23N 85.27W 21–1 5.1W,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=17.9km az=55.0.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=11.8km az=45.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s58,c71; s85,c132; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.36±.15 $M_{\theta\theta}$1.24±.14; $M_{\phi\phi}$-0.88±.15; $M_{r\theta}$-0.21±.23; $M_{\theta\phi}$5.15±.13; $M_{\phi r}$0.31±.25; Best double couple: NP1:ϕ_s96.00000°,δ87.00000°,λ-3.00000°. NP2:ϕ_s186.00000°,δ87.00000°,λ-177.00000°. Principal axes: T 5.4400,Plg0.0000° ,Azm321.0000°; N -0.3300,Plg86.0000°,Azm227.0000°; P -5.1100,Plg4.0000°,Azm51.0000° $M_0$5.30000×10^{16}
ISC V 25 04 12 43.6–.37 1.89S–.04 81.02W–.05 30 4.6b,3.9s 259 1-154
IGQ V 25 04 12 36.6 2.05S 81.27W 6–165 4.9b,4.8s ¶12861951
IDC V 25 04 12 39.5–.48 1.83S 80.83W 0 4.4,4.4
ISCJB V 25 04 12 42.1–.24 2.00S–.03 81.15W–.02 30 4.6b,4.0s
NEIC V 25 04 12 46.5–.72 1.95S 80.87W 52–6 4.9,4.8b
BJI V 25 04 12 47.4 2.00S 80.80W 68 5.2s,5.1b
ISC Event type fe.
IGQ Error ellipse: s-maj=7.9km s-min=3.8km az=5.1.
IDC Error ellipse: s-maj=22.7km s-min=10.0km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.9km az=10.7.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.2km az=52.0. Felt at Salinas.

(105) Near coast of Ecuador.

IGQ I 07 01 22 43.6 2.42S 79.88W 8–7 4.1b,3.9s ¶14463185
IGQ Error ellipse: s-maj=1.7km s-min=1.3km az=3.4.
IGQ I 14 04 07 36.5 2.19S 80.16W 5–135 4.1b,3.9s ¶14463190
IGQ Error ellipse: s-maj=1.6km s-min=1.3km az=2.1.
IGQ I 20 23 24 53.6 2.18S 79.66W 21–72 4.0b,3.8s ¶14463195
IGQ Error ellipse: s-maj=9.1km s-min=3.0km az=4.4.
ISC I 28 11 53 52.8–.59 2.16S–.04 79.56W–.08 100 3.6b 65 1-133
IGQ I 28 11 53 50.4 2.21S 79.78W 33–91 4.4b,4.2s ¶12082566
ISCJB I 28 11 53 51.5–.48 2.17S–.04 79.76W–.05 100 3.6b,4.2s
IDC I 28 11 53 51.6–4.4 1.99S 79.44W 83–48 4.0L,3.7
NEIC I 28 11 53 54.0–.91 2.08S 79.41W 108–9 4.2b,4.1
ISC Event type fe.
IGQ Error ellipse: s-maj=6.2km s-min=1.2km az=5.1.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.8km az=21.8.
IDC Error ellipse: s-maj=48.3km s-min=18.8km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=17.1km s-min=8.4km az=72.0. Felt at Guayaquil.
IGQ I 30 11 56 37.8 3.10S 79.44W 12–33 4.0b,3.8s ¶14463198
IGQ Error ellipse: s-maj=13.1km s-min=5.5km az=5.9.
ISC II 08 20 49 24.8–.34 2.61S–.03 79.14W–.05 94–2 4.8b 446 1-164
ISCJB II 08 20 49 25.0–.26 2.64S–.02 78.96W–.04 105–2 4.6b ¶11667447
IDC II 08 20 49 24.8–.48 2.51S 78.90W 86–4 4.3,4.3
NEIC II 08 20 49 24.6–.26 2.53S 78.89W 86 4.9b,4.9
IGQ II 08 20 49 24.8 2.57S 79.18W 88–14 4.9b,4.8s
BJI II 08 20 49 25.0 2.50S 79.00W 88 5.5s,5.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.6km az=175.3.
IDC Error ellipse: s-maj=17.9km s-min=8.4km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.8km az=59.0. Felt [II] at Cuenca and Guayaquil. Also felt at Alfredo Baquerizo Moreno, Azogues, Canar, Eloy Alfaro, La Troncal and Salinas.
IGQ Error ellipse: s-maj=1.9km s-min=0.8km az=4.1.
ISC II 10 10 45 32.7–.71 2.87S–.05 79.73W–.09 37 3.7b 52 1-147
ISCJB II 10 10 45 33.6–.56 2.87S–.04 79.74W–.06 37 3.7b,3.5s ¶12699905
IGQ II 10 10 45 34.3 2.93S 79.43W 85–24 4.4b,4.2s
IDC II 10 10 45 36.4–3.0 2.88S 79.16W 92–31 3.7,3.6s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.5km az=16.0.
IGQ Error ellipse: s-maj=4.3km s-min=1.7km az=8.0.
IDC Error ellipse: s-maj=52.5km s-min=19.7km az=65.0.
IGQ II 18 17 41 46.2 1.36S 80.50W 20–11 4.1b,3.9s ¶14463202
IGQ Error ellipse: s-maj=6.7km s-min=3.8km az=8.5.
IGQ II 18 17 46 56.9 1.44S 80.59W 20–13 4.2b,4.0s ¶14463203
IGQ Error ellipse: s-maj=7.8km s-min=4.5km az=9.0.
IGQ II 24 10 51 32.2 0.16N 80.08W 27–59 4.1b,3.9s ¶14463212
IGQ Error ellipse: s-maj=5.4km s-min=1.9km az=3.0.
IGQ III 12 04 19 58.3 0.20S 80.10W 9–57 4.2b,4.0s ¶14463227
IGQ Error ellipse: s-maj=4.5km s-min=1.6km az=3.2.
IGQ III 13 19 58 23.0 1.09S 80.38W 12–163 4.0b,3.8s ¶14463228
IGQ Error ellipse: s-maj=3.2km s-min=2.2km az=5.9.
IGQ IV 04 08 19 48.4 2.89S 80.49W 12–151 4.0b,3.8s ¶14464225
IGQ Error ellipse: s-maj=16.6km s-min=4.8km az=16.2.
ISC IV 16 04 15 00.7–.67 2.50S–.04 79.77W–.05 14 3.9b 61 1-148
IGQ IV 16 04 15 03.5 2.47S 79.62W 11–74 4.5b,4.3s ¶12935382
IDC IV 16 04 15 08.3–2.6 2.47S 79.36W 99–26 3.8,3.6
ISC Event type ke.
IGQ Error ellipse: s-maj=3.1km s-min=1.4km az=3.0.
IDC Error ellipse: s-maj=35.2km s-min=13.4km az=59.0.
IGQ IV 16 18 57 54.9 0.62N 79.94W 9–59 4.1b,3.9s ¶14468684
IGQ Error ellipse: s-maj=6.8km s-min=1.9km az=3.3.
ISC IV 30 13 54 19.5–.98 1.35S–.04 80.75W–.06 11 3.6b 50 0-83
IGQ IV 30 13 54 16.6 1.45S 81.13W 10–8 4.6b,4.4s ¶12936501
IDC IV 30 13 54 19.3–1.3 1.16S 80.23W 0 3.9,3.8
ISC Event type ke.
IGQ Error ellipse: s-maj=7.7km s-min=3.0km az=5.3.
IDC Error ellipse: s-maj=59.9km s-min=19.1km az=59.0.
IGQ IV 30 21 54 01.3 3.14S 79.66W 12–178 4.1b,3.9s ¶14473637
IGQ Error ellipse: s-maj=6.3km s-min=1.2km az=6.2.
IGQ V 04 02 50 13.5 0.47N 79.94W 13–54 4.2b,4.0s ¶14474960
IGQ Error ellipse: s-maj=5.6km s-min=1.4km az=3.7.
ISC V 06 10 08 07.6–.65 2.76S–.04 80.29W–.06 53 3.7b 70 2-139
IGQ V 06 10 08 05.3 2.69S 80.29W 27–146 4.6b,4.4s ¶13678445
ISCJB V 06 10 08 06.7–.47 2.73S–.03 80.33W–.04 53 3.7b,4.4s
IDC V 06 10 08 09.8–3.6 2.71S 80.08W 76–38 4.4L,3.8
NEIC V 06 10 08 10.8–.98 2.65S 79.87W 88–11 4.6,4.5b
ISC Event type se.
IGQ Error ellipse: s-maj=3.1km s-min=1.5km az=5.7.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.0km az=179.4.
IDC Error ellipse: s-maj=59.0km s-min=20.5km az=60.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=7.3km az=71.0.
IGQ V 25 07 11 53.0 2.29S 79.78W 16–57 4.0b,3.8s ¶14482232
IGQ Error ellipse: s-maj=2.2km s-min=1.4km az=1.9.
IGQ V 25 14 03 55.5 3.33S 79.02W 120–19 4.0b,3.8s ¶14482323
IGQ Error ellipse: s-maj=20.9km s-min=2.9km az=7.5.
IGQ V 31 20 37 59.5 2.09S 80.16W 16–177 4.2b,4.0s ¶14484424
IGQ Error ellipse: s-maj=3.1km s-min=1.6km az=4.2.
IGQ VI 03 16 14 05.4 2.24S 79.71W 23–51 4.0b,3.8s ¶14485378
IGQ Error ellipse: s-maj=1.4km s-min=1.1km az=2.0.
IGQ VI 11 21 38 56.2 3.12S 79.09W 49–22 4.1b,3.9s ¶14488565
IGQ Error ellipse: s-maj=12.3km s-min=2.0km az=1.8.
IGQ VI 21 06 04 40.5 1.36S 80.22W 15–120 4.1b,3.9s ¶14491834
IGQ Error ellipse: s-maj=2.5km s-min=1.3km az=2.6.
IGQ VI 26 09 35 31.1 2.37S 80.20W 10–140 4.2b,4.0s ¶14493886
IGQ Error ellipse: s-maj=2.5km s-min=2.0km az=3.5.
ISC VI 30 20 05 31.0–.56 2.21S–.04 79.88W–.05 83 4.0b 66 1-164
ISCJB VI 30 20 05 30.8–.40 2.24S–.03 79.92W–.04 83 3.9b ¶13682342
IGQ VI 30 20 05 30.6 2.19S 79.85W 34–58 4.6b,4.4s
IDC VI 30 20 05 31.1–.78 2.17S 79.71W 83–7 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.9km az=28.3.
IGQ Error ellipse: s-maj=1.3km s-min=1.1km az=2.0.
IDC Error ellipse: s-maj=39.0km s-min=10.6km az=68.0.

(106) Colombia-Ecuador border region.

IGQ I 18 03 39 01.2 0.93N 78.22W 12–79 4.1b,3.9s ¶14463192
IGQ Error ellipse: s-maj=4.5km s-min=1.7km az=3.3.
IGQ III 21 05 20 35.9 0.95N 77.74W 12–119 4.1b,3.9s ¶14463231
IGQ Error ellipse: s-maj=4.0km s-min=2.2km az=4.6.
IGQ IV 03 09 08 33.4 0.06N 78.88W 19–176 4.2b,4.0s ¶14463902
IGQ Error ellipse: s-maj=1.4km s-min=1.1km az=2.3.
ISC IV 03 15 46 46.2–.35 0.70N–.04 78.00W–.04 11 4.6b,4.0s 360 0-154
IGQ IV 03 15 46 43.5 0.72N 77.96W 5–121 4.6b,4.4s ¶12934384
IDC IV 03 15 46 44.8–.52 0.87N 77.83W 0 4.3,4.3
ISCJB IV 03 15 46 45.4–.16 0.75N–.02 77.98W–.03 11 4.4b,4.0s
NEIC IV 03 15 46 48.1–1.4 0.68N 78.06W 21–10 4.8b,4.6
BJI IV 03 15 47 20.4 3.00N 78.30W 186 5.3b,4.6
ISC Event type fe.
IGQ Error ellipse: s-maj=1.9km s-min=0.6km az=1.9.
IDC Error ellipse: s-maj=26.7km s-min=11.7km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.1km az=4.7.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=6.1km az=86.0. Felt strongly at El Angel, Ecuador. Also felt at Bolivar, Ibarra, Mira and San Gabriel.

(107) Ecuador.

IGQ I 06 05 12 29.0 0.65S 77.50W 10–15 4.2b,4.0s ¶14463184
IGQ Error ellipse: s-maj=1.6km s-min=0.8km az=4.5.
ISC I 07 15 35 24.7–.48 2.57S–.03 78.20W–.07 111–4 4.5b 188 1-164
IGQ I 07 15 35 23.9 2.57S 78.39W 117–14 4.7b,4.6s ¶11534065
ISCJB I 07 15 35 24.1–.31 2.59S–.03 78.22W–.06 117–2 4.4b,4.6s
NEIC I 07 15 35 25.2–.29 2.50S 78.02W 113 4.8,4.5b
IDC I 07 15 35 25.1–.64 2.57S 78.16W 116–6 4.1,4.0
ISC Event type se.
IGQ Error ellipse: s-maj=3.4km s-min=1.8km az=3.8.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.7km az=175.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.5km az=66.0.
IDC Error ellipse: s-maj=17.3km s-min=8.8km az=70.0.
IGQ I 08 21 17 15.0 2.93S 78.17W 12–169 4.2b,4.0s ¶14463186
IGQ Error ellipse: s-maj=19.9km s-min=4.6km az=4.4.
IGQ I 09 02 45 43.0 0.95S 79.53W 17–156 4.1b,3.9s ¶14463187
IGQ Error ellipse: s-maj=1.7km s-min=1.6km az=5.9.
IGQ I 12 00 56 37.0 0.43S 78.55W 10–178 4.0b,3.8s ¶14463188
IGQ Error ellipse: s-maj=1.6km s-min=0.7km az=2.2.
IGQ I 25 01 14 30.4 1.43S 79.88W 26–49 4.2b,4.0s ¶14463197
IGQ Error ellipse: s-maj=1.6km s-min=1.4km az=2.9.
ISC II 05 12 06 18.8–.93 1.64S–.06 77.94W–.09 200 3.6b 49 1-163
IGQ II 05 12 06 19.5 1.62S 77.90W 195–43 4.4b,4.2s ¶12699594
IDC II 05 12 06 20.7–2.0 1.45S 77.72W 152–20 3.7,3.6
ISC Event type ke.
IGQ Error ellipse: s-maj=3.4km s-min=2.3km az=2.9.
IDC Error ellipse: s-maj=24.7km s-min=12.5km az=70.0.
IGQ II 05 22 01 30.8 1.83S 77.67W 7–176 4.0b,3.8s ¶14463199
IGQ Error ellipse: s-maj=1.6km s-min=1.2km az=1.8.
ISC II 15 14 18 22.1–.82 2.36S–.05 78.2W–.10 150 3.5b 46 1-141
ISCJB II 15 14 18 22.0–.32 2.40S–.03 78.39W–.08 150 3.5b ¶12700803
IGQ II 15 14 18 21.0 2.42S 78.16W 142–15 4.5b,4.3s
IDC II 15 14 18 22.9–.78 2.26S 77.95W 115–6 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=3.7km az=2.6.
IGQ Error ellipse: s-maj=5.0km s-min=1.7km az=4.7.
IDC Error ellipse: s-maj=32.0km s-min=14.2km az=74.0.
ISC II 18 23 26 37.8–.63 2.78S–.04 78.01W–.08 9 3.7b 58 1-141
IGQ II 18 23 26 35.3 2.80S 78.07W 12–153 4.6b,4.4s ¶12701185
ISCJB II 18 23 26 37.0–.43 2.83S–.03 78.04W–.09 9 3.7b,4.4s
IDC II 18 23 26 37.5–.86 2.81S 77.65W 0 4.2L,4.1
ISC Event type ke.
IGQ Error ellipse: s-maj=5.8km s-min=2.0km az=3.1.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=4.1km az=169.8.
IDC Error ellipse: s-maj=36.0km s-min=16.8km az=66.0.
ISC II 21 22 47 27.8–.31 2.82S–.03 78.15W–.06 9 5.0b,4.3s 708 1-164
IDC II 21 22 47 25.8–.56 2.74S 78.08W 0 4.7L,4.5 ¶11730851
IGQ II 21 22 47 26.3 2.77S 78.14W 12–14 5.2b,5.1s
ISCJB II 21 22 47 26.8–.18 2.85S–.02 78.22W–.03 9 4.9b,4.3s
MOS II 21 22 47 30.0–1.6 3.08S 78.30W 33 5.2b,4.3s
BJI II 21 22 47 31.4 2.70S 77.80W 10 5.6b,5.0
NEIC II 21 22 47 33.5–.37 2.70S 78.20W 35 5.5,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=22.9km s-min=11.7km az=52.0.
IGQ Error ellipse: s-maj=4.3km s-min=1.1km az=3.4.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=169.6.
MOS Error ellipse: s-maj=10.8km s-min=6.2km az=111.5.
NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=7.4km az=46.0. Felt at Cuenca, Guarumales, Macas and in Morona-Santiago.
IGQ II 21 23 25 21.8 2.78S 78.26W 12–5 4.0b,3.8s ¶14463207
IGQ Error ellipse: s-maj=6.2km s-min=1.4km az=3.0.
IGQ II 22 00 02 45.9 2.76S 78.39W 12–7 4.1b,3.9s ¶14463208
IGQ Error ellipse: s-maj=11.2km s-min=1.1km az=2.9.
IGQ II 22 00 47 07.0 2.77S 78.26W 12–4 4.0b,3.8s ¶14463209
IGQ Error ellipse: s-maj=6.3km s-min=1.2km az=3.3.
IGQ II 22 01 52 55.6 2.78S 78.18W 12–4 4.0b,3.8s ¶14463210

IGQ Error ellipse: s-maj=5.3km s-min=1.1km az=2.3.
ISC II 22 01 54 48.9–1.1 2.79S–.04 78.03W–.09 9 3.6b 54 1-84
IGQ II 22 01 54 50.4 2.76S 78.16W 12–6 4.3b,4.1s ¶12701481
IDC II 22 01 54 50.5–2.4 2.48S 78.35W 0 3.9,3.6
ISCJB II 22 01 54 51.5–.64 2.89S–.03 78.19W–.09 9 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
IGQ II 22 02 43 08.0 2.77S 78.18W 12–4 4.0b,3.8s
¶14463211
IGQ Error ellipse: s-maj=4.6km s-min=1.2km az=2.8.
ISC III 03 02 21 36.9–.77 1.70S–.05 77.94W–.10 200 3.4b 55 1-142
IGQ III 03 02 21 35.1 1.71S 77.78W 196–14 4.0b,3.8s ¶12702320
ISCJB III 03 02 21 36.1–.34 1.73S–.03 77.99W–.08 200 3.4b,3.8s
IDC III 03 02 21 38.7–3.0 1.86S 77.72W 199–34 3.4,3.3b
ISC Event type ke.
IGQ Error ellipse: s-maj=4.5km s-min=1.4km az=2.6.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.6km az=1.1.
IDC Error ellipse: s-maj=36.9km s-min=14.8km az=48.0.
IGQ III 05 12 22 23.7 1.65S 78.17W 177–13 4.0b,3.8s
¶14463222
IGQ Error ellipse: s-maj=4.4km s-min=1.3km az=2.4.
ISC III 09 23 15 32.7–.88 1.53S–.05 78.2W–.10 200 56 0-142
IGQ III 09 23 15 31.8 1.57S 77.94W 196–10 4.1b,3.9s ¶12702826
ISCJB III 09 23 15 32.6–.30 1.57S–.03 78.24W–.09 200 3.4b,3.9s
IDC III 09 23 15 36.2–5.8 1.80S 78.53W 229–63 3.2,3.2
ISC Event type ke.
IGQ Error ellipse: s-maj=4.2km s-min=1.3km az=2.2.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=4.7km az=4.0.
IDC Error ellipse: s-maj=81.5km s-min=47.6km az=55.0.
ISC III 10 21 58 28.7–.44 0.91S–.03 79.78W–.04 86–3 4.3b 369 0-163
IGQ III 10 21 58 26.9 0.83S 79.87W 105–141 4.5b,4.3s ¶11792798
IDC III 10 21 58 28.4–.69 0.86S 79.54W 77–5 4.1,3.9
NEIC III 10 21 58 28.0 0.83S 79.83W 94 4.5b,4.4
ISCJB III 10 21 58 29.9–.32 0.92S–.03 79.70W–.04 100–3 4.2b,4.4
ISC Event type fe.
NEIC Event type fe. Felt at Ambato, Guayaquil, Nanegalito and Quito. After IGQ.
ISCJB Event type fe.
IGQ III 11 13 54 34.5 0.79S 78.86W 13–176 4.2b,4.0s
¶14463226
IGQ Error ellipse: s-maj=1.1km s-min=0.5km az=1.5.
IGQ III 16 02 42 36.2 0.32S 77.53W 17–179 4.0b,3.8s
¶14463229
IGQ Error ellipse: s-maj=1.2km s-min=0.6km az=2.5.
IGQ III 21 02 12 01.3 2.72S 78.69W 101–13 4.1b,3.9s
¶14463230
IGQ Error ellipse: s-maj=4.3km s-min=1.0km az=3.0.
IGQ III 24 17 41 10.2 0.42S 77.51W 14–175 4.1b,3.9s
¶14463232
IGQ Error ellipse: s-maj=1.8km s-min=0.8km az=3.2.
ISC IV 06 13 07 31.0–1.2 0.88S–.06 79.14W–.06 150 3.3b 49 1-141
IDC IV 06 13 07 22.9–1.3 0.28S 78.62W 0 3.8L,3.7 ¶12934640
ISCJB IV 06 13 07 30.5–.39 1.00S–.06 79.20W–.06 150 3.2b,3.7
IGQ IV 06 13 07 32.8 0.93S 79.18W 123–168 4.2b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=58.5km s-min=22.4km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.7km az=24.1.
IGQ Error ellipse: s-maj=1.2km s-min=1.1km az=3.1.
IGQ IV 15 05 57 50.8 0.85S 79.89W 108–103 4.1b,3.9s
¶14468140
IGQ Error ellipse: s-maj=1.8km s-min=1.4km az=3.9.
IGQ IV 18 03 29 32.9 1.05S 78.72W 17–174 4.0b,3.8s
¶14469115
IGQ Error ellipse: s-maj=1.2km s-min=0.4km az=2.7.
ISC V 01 00 34 09.8–.30 1.66S–.03 77.48W–.05 189–2 4.9b 998 1-163
IGQ V 01 00 34 07.0 1.69S 77.60W 216–3 4.8b,4.7s ¶13439240
MOS V 01 00 34 07.0–.79 1.48S 77.36W 168 5.1b,4.7s
ISCJB V 01 00 34 09.3–.18 1.61S–.02 77.44W–.03 193–1 4.7b,4.7s
IDC V 01 00 34 09.6–.55 1.50S 77.33W 183–4 4.7,4.6
NEIC V 01 00 34 10.6–.12 1.55S 77.31W 191 4.9b,4.9
GCMT V 01 00 34 12.7–.20 1.74S 77.66W 195–1 5.1W,4.9
SZGRF V 01 00 34 28.0 0.60N 74.47W 196 5.2b,4.9
ISC Event type fe.
IGQ Error ellipse: s-maj=4.1km s-min=1.7km az=2.9.
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=89.9.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=149.2.
IDC Error ellipse: s-maj=11.7km s-min=6.3km az=65.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=54.0. Felt at Cuenca.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s43,c52; s82,c126; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.17±.13 $M_{\theta\theta}$1.48±.17; $M_{\phi\phi}$1.69±.20; $M_{r\theta}$3.84±.12; $M_{\theta\phi}$-2.57±.14; $M_{\phi r}$-2.42±.14; Best double couple: NP1:ϕ_s153.00000°,δ21.00000°,λ-62.00000°. NP2:ϕ_s304.00000°,δ71.00000°,λ-100.00000°. Principal axes: T 6.2500,Plg25.0000° ,Azm42.0000°; N -0.8000,Plg10.0000°,Azm307.0000°; P -5.4600,Plg63.0000° ,Azm198.0000° $M_0$5.90000×10^{16}
SZGRF Colombia.
IGQ V 07 06 07 08.3 1.53S 77.79W 12–23 4.3b,4.1s
¶14476180
IGQ Error ellipse: s-maj=1.2km s-min=0.8km az=1.7.
IGQ V 30 09 08 03.5 1.66S 77.55W 209–16 4.1b,3.9s
¶14483846
IGQ Error ellipse: s-maj=3.9km s-min=1.9km az=2.9.
IGQ VI 21 08 28 07.3 2.67S 78.53W 12–17 4.1b,3.9s
¶14491863
IGQ Error ellipse: s-maj=3.5km s-min=0.9km az=3.0.
IGQ VI 23 00 51 58.0 0.48S 78.65W 20–173 4.0b,3.8s
¶14492357
IGQ Error ellipse: s-maj=1.6km s-min=0.8km az=3.4.
ISC VI 24 03 38 41.0–.33 1.65S–.04 77.50W–.06 192–2 4.5b 294 1-155
IGQ VI 24 03 38 38.0 1.67S 77.60W 219–18 4.8b,4.7s ¶13231849
NEIC VI 24 03 38 39.0 1.64S 77.69W 217 4.8,4.6b
ISCJB VI 24 03 38 40.5–.21 1.60S–.03 77.53W–.05 198–2 4.3b,4.6b
IDC VI 24 03 38 40.6–.58 1.53S 77.38W 182–5 4.1,4.1
BJI VI 24 03 38 42.4 1.50S 77.40W 190 5.0b,4.1
ISC Event type fe.
IGQ Error ellipse: s-maj=3.8km s-min=1.3km az=2.7.
NEIC Event type fe. Felt at Cuenca and Guayaquil. After IGQ.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.3km az=162.2.
IDC Error ellipse: s-maj=14.2km s-min=7.8km az=69.0.

(108) Off coast of northern Peru.

ISC IV 06 00 26 34.9–1.1 9.79S–.06 79.9W–.10 22 3.9b,3.8s 23 3-142
IDC IV 06 00 26 30.8–1.6 9.88S 80.08W 0 4.0,4.0 ¶12934696
NEIC IV 06 00 26 36.6–1.2 9.79S 79.75W 35 4.1b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=18.6km az=69.0.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=11.6km az=72.0.

(109) Near coast of northern Peru.

ISC II 08 21 23 12.1–.34 6.73S–.06 81.02W–.06 34 5.1b,4.3s 332 3-168
IDC II 08 21 23 06.2–.58 6.59S 81.22W 0 4.6,4.6 ¶11667450
ISCJB II 08 21 23 10.6–.28 6.60S–.05 81.08W–.04 34 5.0b,4.4s
MOS II 08 21 23 10.9–1.4 6.60S 81.04W 35 5.2b,4.4s
BJI II 08 21 23 14.9 6.60S 80.70W 44 5.5s,5.4b
NEIC II 08 21 23 17.2–1.1 6.76S 80.89W 76–10 5.1b,5.4b
ISC Event type fe.
IDC Error ellipse: s-maj=22.0km s-min=12.1km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.8km az=38.1.
MOS Error ellipse: s-maj=17.3km s-min=7.3km az=113.1.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=5.8km az=54.0. Felt [II] at Chiclayo and Morrope. Also felt at Cajamarca, Paita, Pimentel, Piura, Sechura and Tumbes. Felt at Machala, Ecuador.
ISC II 09 14 09 03.4–.41 6.66S–.04 81.17W–.04 21–3 5.5s,5.5b 1053 3-168
IDC II 09 14 09 00.4–.50 6.55S 81.31W 0 5.4,5.4s ¶11667470
BGS II 09 14 09 01.0–3.2 6.57S 81.15W 10 5.4b,5.4s
BJI II 09 14 09 02.9 6.60S 81.10W 15 5.9s,5.9b
ISCJB II 09 14 09 02.7–.16 6.55S–.03 81.22W–.03 22 5.5s,5.4b
NEIC II 09 14 09 03.0–.20 6.57S 81.15W 15 6.0W,5.9W
MOS II 09 14 09 04.6–1.1 6.45S 81.20W 32 5.5b,5.4s
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=10.7km az=62.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.8km az=40.9.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=57.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s79 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s324.00000°,δ17.00000°,λ66.00000°. NP2:ϕ_s169.00000°,δ75.00000°,λ97.00000°. Principal axes: T 1.1400,Plg59.0000°,Azm88.0000° ; N -0.0900,Plg6.0000°,Azm346.0000°; P -1.0400,Plg29.0000°,Azm253.0000° $M_0$1.10000×10^{18}
MOS Error ellipse: s-maj=11.5km s-min=5.4km az=102.5.
ISC II 11 03 15 46.4–.81 7.0S–.10 81.49W–.09 35 4.0b 25 3-134
IDC II 11 03 15 41.4–1.5 6.70S 81.47W 0 4.1,4.0 ¶12699947
NEIC II 11 03 15 49.0–2.6 6.55S 81.13W 46–21 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=53.7km s-min=22.0km az=38.0.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=12.6km az=58.0.
ISC II 14 05 24 55.5–.43 5.93S–.07 80.82W–.07 30 4.4b,3.8s 185 3-158
ISCJB II 14 05 24 54.3–.34 5.91S–.07 80.78W–.07 30 4.4b,3.9s ¶11673081
BJI II 14 05 24 58.4 5.80S 80.80W 45 5.4s,5.4b
NEIC II 14 05 24 59.2–.88 5.86S 80.75W 57–8 4.6b,5.4b
IDC II 14 05 24 59.6–2.4 5.94S 80.94W 69–21 3.9,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=5.4km az=136.1.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=5.6km az=51.0. Felt at Piura and Sechura.
IDC Error ellipse: s-maj=27.3km s-min=13.8km az=50.0.
ISC II 15 10 04 50.2–.40 5.82S–.04 80.92W–.05 30–2 5.8b,5.7s 1496 3-178
BGS II 15 10 04 42.5–1.4 6.17S 82.68W 20 6.0b,5.6s ¶11677912
IDC II 15 10 04 46.0–.41 5.78S 80.98W 0 5.7,5.7
ISCJB II 15 10 04 49.6–.89 5.78S–.03 80.91W–.02 33–7 5.7b,5.7s
NEIC II 15 10 04 49.3–.12 5.85S 80.89W 21 6.1W,5.9W
MOS II 15 10 04 50.2–.75 5.68S 80.91W 33 6.0b,5.6s
BJI II 15 10 04 50.4 5.90S 80.90W 34 6.1s,6.0b
SZGRF II 15 10 04 53.4 5.60S 80.47W 33 5.7b,5.6s
ISC Event type fe.
BGS Error ellipse: s-maj=694.3km s-min=478.0km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=10.1km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.1km az=29.9.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=50.0. Felt [IV] at Sechura; [III] at Paita and Piura; [II] at Cajamarca, Chulucanas, Huancabamba, Mancora and Sullana. Also felt at Ayabaca, Catacaos, Chiclayo, Chota, Colan, Jaen, La Union, Marcavelica, Morrope, Morropon, Olmos, Pucara, Querecotillo, Talara, Tambo Grande, Trujillo, Tumbes and Zorritos. Felt [II] at Guayaquil, Ecuador. Also felt at Cuenca, Machala and Playas. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s75 Moment tensor: Scale 10^{17}Nm; M_{rr}5.13 $M_{\theta\theta}$0.37 $M_{\phi\phi}$-5.50 $M_{r\theta}$1.06 $M_{\theta\phi}$-2.19 $M_{\phi r}$-6.02 Best double couple: NP1:ϕ_s40.00000°,δ27.00000°,λ130.00000°. NP2:ϕ_s178.00000°,δ70.00000°,λ72.00000°. Principal axes: T 8.2900,Plg61.0000° ,Azm60.0000°; N 0.2000,Plg16.0000°,Azm183.0000°; P -8.5000,Plg22.0000°,Azm281.0000° $M_0$8.40000×10^{17} Moment Tensor Solution. $M_0$2.50000×10^{18}
MOS Error ellipse: s-maj=6.9km s-min=4.4km az=90.8.
SZGRF Near coast of northern Peru.
IDC II 16 23 20 55.4–2.3 6.93S 81.23W 0 4.0,4.0b
¶15956317
IDC Error ellipse: s-maj=91.8km s-min=46.2km az=62.0.
IDC III 06 17 44 54.0–1.9 9.66S 78.12W 101–18 3.4,3.3
¶12702576
IDC Error ellipse: s-maj=45.0km s-min=17.7km az=65.0.
ISC III 26 17 35 14.2–.92 5.78S–.04 81.41W–.04 8–5 5.5b,5.5s 1071 3-178
ISCJB III 26 17 35 11.5–1.4 5.68S–.03 81.43W–.03 1–8 5.5s,5.5b ¶12062029
IDC III 26 17 35 13.6–.42 5.55S 81.34W 0 5.5,5.4
NEIC III 26 17 35 14.3–.17 5.72S 81.34W 10 5.8W,5.7W
BJI III 26 17 35 15.3 5.70S 81.40W 7 5.8s,5.8b
MOS III 26 17 35 16.5–1.1 5.63S 81.38W 33 5.8b,5.4s
GCMT III 26 17 35 18.1–.10 5.90S 81.70W 13–0 5.8W,5.4s
DJA III 26 17 35 25.7–5.6 8S–16 81W–15 10 5.6,5.6b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Paita. Moment Tensor Solution. s70 Moment tensor: Scale 10^{17}Nm; M_{rr}1.94 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$-1.56 $M_{r\theta}$1.49 $M_{\theta\phi}$0.19 $M_{\phi r}$-4.21 Best double couple: NP1:ϕ_s355.00000° ,δ11.00000°,λ103.00000°. NP2:ϕ_s161.00000°,δ79.00000°,λ87.00000°. Principal axes: T 4.9900,Plg55.0000°,Azm68.0000°; N -0.3900,Plg2.0000°,Azm161.0000° ; P -4.6100,Plg34.0000°,Azm253.0000° $M_0$4.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=229, per= 50. Moment Tensor Solution. s97,c190; s70,c72; Moment tensor: Scale 10^{17}Nm; M_{rr}3.26±.05 $M_{\theta\theta}$-0.15±.03; $M_{\theta\phi}$-3.12±.04; $M_{r\theta}$1.28±.09; $M_{\theta\theta}$0.22±.03; $M_{\phi r}$-6.01±.23; Best double couple: NP1:ϕ_s2.00000°,δ14.00000°,λ102.00000°. NP2:ϕ_s169.00000°,δ76.00000°,λ87.00000°. Principal axes: T 7.0100,Plg59.0000°,Azm75.0000°; N -0.1700,Plg3.0000°,Azm170.0000° ; P -6.8400,Plg31.0000°,Azm261.0000° $M_0$6.90000×10^{17}
IDC III 28 06 21 24.7–1.7 5.49S 81.24W 0 3.8,3.7
¶12635751
IDC Error ellipse: s-maj=74.4km s-min=15.5km az=44.0.
ISC V 05 16 11 02.8–.44 3.26S–.06 81.81W–.09 35 4.4b,3.9s 89 5-165
IDC V 05 16 10 58.0–.86 3.14S 81.78W 0 4.4L,4.3 ¶12754088
ISCJB V 05 16 11 01.4–.42 3.21S–.05 81.81W–.06 33 4.2b,4.0s
NEIC V 05 16 11 02.2–.36 3.21S 81.75W 28 4.5b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=48.8km s-min=15.1km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=6.0km az=146.3.
NEIC Event type fe. Error ellipse: s-maj=13.6km s-min=6.8km az=54.0. Felt at Tumbes.

(110) Peru-Ecuador border region.

IGQ I 12 05 52 50.7 2.19S 77.13W 180–22 4.2b,4.0s
¶14463189
IGQ Error ellipse: s-maj=6.5km s-min=2.2km az=6.2.
IGQ I 17 04 01 11.2 4.01S 79.89W 80–124 4.1b,3.9s
¶14463191
IGQ Error ellipse: s-maj=5.3km s-min=3.2km az=3.8.
IGQ I 18 10 23 20.8 2.72S 77.97W 12–5 4.0b,3.8s
¶14463193
IGQ Error ellipse: s-maj=3.3km s-min=1.3km az=3.0.
IGQ I 20 15 14 27.2 3.06S 80.11W 12–44 4.4b,4.2s
¶14463194
IGQ Error ellipse: s-maj=13.2km s-min=7.0km az=7.1.
ISC II 19 04 27 41.4–.34 2.79S–.04 77.75W–.07 9 4.7b,3.9s 464 1-158
IGQ II 19 04 27 38.5 2.74S 78.09W 12–152 4.8b,4.7s ¶11687972
IDC II 19 04 27 39.9–.52 2.87S 77.87W 0 4.4,4.4
ISCJB II 19 04 27 40.3–.19 2.80S–.03 77.70W–.04 9 4.5b,4.4s
NEIC II 19 04 27 42.1–.26 2.80S 77.70W 10 4.8b,4.8
BJI II 19 04 27 44.6 2.30S 77.10W 17 5.7s,5.4b
ISC Event type fe.
IGQ Error ellipse: s-maj=5.2km s-min=2.1km az=2.6.
IDC Error ellipse: s-maj=23.6km s-min=11.0km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.3km az=156.0.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=5.1km az=60.0. Felt at Macas, Puyo and Sucua, Ecuador.
ISC II 22 07 37 40.0–.81 2.83S–.03 78.00W–.07 9 3.4b 55 1-84
IGQ II 22 07 37 40.9 2.80S 78.09W 12–4 4.4b,4.2s ¶12701503
ISCJB II 22 07 37 42.3–.46 2.89S–.02 78.13W–.07 9 3.2b,4.2s
IDC II 22 07 37 42.5–1.0 2.76S 77.71W 0 4.0L,3.8
ISC Event type ke.
IGQ Error ellipse: s-maj=3.6km s-min=1.1km az=2.4.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=3.4km az=1.7.
IDC Error ellipse: s-maj=35.2km s-min=16.9km az=81.0.
ISC III 02 00 39 18.9–.29 4.07S–.05 80.97W–.07 39 4.7b,4.0s 561 4-166

ISCJB III 02 00 39 17.9–.20 4.05S–.03 80.93W–.04 39 4.6b,4.1s ¶11731101
IDC III 02 00 39 18.6–.45 4.05S 80.96W 33–2 4.8L,4.4
NEIC III 02 00 39 19.4–.58 4.08S 80.91W 40–5 5.1,4.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.5km az=144.0.
IDC Error ellipse: s-maj=21.4km s-min=8.7km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=4.3km az=56.0. Felt [III] at Cabo Blanco, Lobitos and Talara; [II] at Paita, Peru.
ISC III 30 04 30 08.7–.85 3.20S–.05 78.93W–.07 80 3.4b 49 1-140
IDC III 30 04 29 55.8–3.4 3.29S 78.34W 0 3.9,3.6b ¶12635914
IGQ III 30 04 30 08.5 3.19S 78.89W 93–51 4.2b,4.0s
ISCJB III 30 04 30 09.4–.43 3.17S–.04 78.96W–.06 80 3.3b,4.0s
ISC Event type ke.
ISCJB Event type ke.
IGQ IV 07 22 48 22.7 3.10S 81.00W 12–135 4.0b,3.8s
¶14465589
IGQ Error ellipse: s-maj=21.8km s-min=4.3km az=21.3.
IGQ IV 09 19 34 27.5 4.05S 79.91W 82–121 4.1b,3.9s
¶14466277
IGQ Error ellipse: s-maj=8.0km s-min=3.3km az=4.5.
ISC V 04 02 03 13.7–.44 4.21S–.06 78.04W–.09 35 4.2b,3.5s 72 3-148
IDC V 04 02 03 08.1–.58 4.21S 78.19W 0 4.1,4.1 ¶12750552
ISCJB V 04 02 03 11.5–.37 4.24S–.05 78.11W–.08 33 4.2b,3.7s
NEIC V 04 02 03 15.0–1.1 4.24S 78.03W 48–11 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=12.6km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=5.9km az=160.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.8km az=69.0.
IGQ V 13 09 59 30.3 4.53S 78.61W 9–2 4.1b,3.9s
¶14478309
IGQ Error ellipse: s-maj=12.5km s-min=2.6km az=2.5.
IGQ V 25 17 23 25.0 2.49S 77.87W 121–16 4.1b,3.9s
¶14482374
IGQ Error ellipse: s-maj=6.3km s-min=1.8km az=4.3.
ISC VI 09 19 25 50.9–1.3 3.50S–.06 80.1W–.10 61–10 3.5b 48 0-83
ISCJB VI 09 19 25 50.1–.89 3.51S–.04 80.1W–.10 70–7 3.4b ¶13681071
IGQ VI 09 19 25 50.5 3.49S 80.04W 69–106 4.5b,4.3s
IDC VI 09 19 25 54.4–1.1 3.41S 78.59W 0 3.9,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=6.2km az=5.3.
IGQ Error ellipse: s-maj=6.5km s-min=2.4km az=6.1.
IDC Error ellipse: s-maj=40.8km s-min=16.7km az=73.0.
ISC VI 11 16 40 44.3–.52 3.15S–.08 80.4W–.10 35 3.9b,3.7s 48 4-139
ISCJB VI 11 16 40 42.6–.42 3.16S–.06 80.48W–.09 33 3.9b,3.7s ¶13681177
IDC VI 11 16 40 47.5–3.0 3.29S 80.47W 67–31 3.8L,3.7
NEIC VI 11 16 40 48.4–1.1 3.32S 80.49W 77–10 4.3b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=5.1km az=148.8.
IDC Error ellipse: s-maj=42.9km s-min=15.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=6.3km az=70.0.

(111) Northern Peru.

IDC I 09 00 13 14.5–4.8 4.52S 77.57W 118–55 3.6,3.4b
¶12080790
IDC Error ellipse: s-maj=58.0km s-min=24.1km az=45.0.
IDC I 18 13 02 29.1–.64 4.20S 76.85W 0 4.1,4.0
¶12081646
IDC Error ellipse: s-maj=23.3km s-min=15.4km az=75.0.
IDC I 26 03 01 06.4–1.2 5.59S 77.36W 0 4.0,3.8
¶12082345
IDC Error ellipse: s-maj=41.9km s-min=12.7km az=112.0.
ISC II 08 08 30 47.2–.41 7.68S–.05 76.55W–.07 135–3 4.5b 222 2-168
ISCJB II 08 08 30 45.6–.66 7.58S–.06 76.43W–.06 135–6 4.3b ¶11667431
BJI II 08 08 30 46.7 7.60S 76.30W 134 5.0b
IDC II 08 08 30 47.6–.52 7.65S 76.59W 137–5 4.1,4.0
NEIC II 08 08 30 47.5–.32 7.60S 76.44W 138 4.6b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=6.5km az=137.5.
IDC Error ellipse: s-maj=11.5km s-min=7.8km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=6.2km az=57.0. Felt [II] at Pucallpa. Also felt at Bellavista, Campoverde, Tingo Maria and Tocache Nuevo.
IDC III 06 13 28 33.1–1.1 5.08S 79.44W 0 3.9,3.9s
¶12702565
IDC Error ellipse: s-maj=61.3km s-min=18.8km az=55.0.
IDC III 08 09 42 38.8–.61 5.34S 76.78W 121–5 3.8,3.7b
¶12702708
IDC Error ellipse: s-maj=13.9km s-min=9.9km az=108.0.
IDC III 13 05 57 28.3–9.2 7.51S 78.36W 189–123 3.5,3.3b
¶12703143
IDC Error ellipse: s-maj=210.4km s-min=32.5km az=33.0.
IDC IV 27 09 33 42.2–7.1 5.73S 76.92W 61–75 3.6,3.5L
¶16154552
IDC Error ellipse: s-maj=56.4km s-min=35.8km az=32.0.
IDC IV 28 09 18 41.9–3.3 5.92S 76.99W 174–42 3.4,3.3
¶16154584
IDC Error ellipse: s-maj=65.0km s-min=17.6km az=49.0.
ISC IV 30 11 45 38.6–.60 4.82S–.05 77.19W–.09 114–5 4.5b 439 3-166
ISCJB IV 30 11 45 38.2–.72 4.74S–.04 77.18W–.05 122–7 4.4b ¶12742679
IDC IV 30 11 45 38.2–1.8 4.66S 77.34W 106–18 4.2,4.1
NEIC IV 30 11 45 39.4–.57 4.74S 77.19W 120–5 4.6b,4.1
BJI IV 30 11 45 39.7 4.80S 77.20W 113 4.9b,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=6.6km az=149.1.
IDC Error ellipse: s-maj=17.8km s-min=10.5km az=59.0.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=4.6km az=67.0. Felt at Barranca and Yurimaguas.
IDC V 11 18 26 44.3–.73 4.16S 76.36W 108–6 3.6,3.6b
¶16155647
IDC Error ellipse: s-maj=23.8km s-min=16.8km az=61.0.
ISC V 27 12 01 54.2–.61 5.89S–.07 75.76W–.06 20 3.9b 33 3-141
IDC V 27 12 01 51.2–.78 5.83S 75.80W 0 4.0,3.9 ¶13679742
ISCJB V 27 12 01 52.5–.52 5.91S–.06 75.75W–.06 20 3.9b,3.9
NEIC V 27 12 01 56.6–1.1 5.91S 75.78W 37–11 4.3b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=20.6km s-min=16.0km az=155.0.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=7.7km az=33.5.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=8.0km az=200.0. Felt [II] at Yurimaguas.
IDC VI 05 21 09 54.6–.84 5.52S 77.30W 0 4.0L,3.8
¶16100997
IDC Error ellipse: s-maj=25.5km s-min=14.0km az=112.0.
IDC VI 18 01 22 32.7–1.1 3.86S 74.27W 0 4.1L,4.0
¶16101451
IDC Error ellipse: s-maj=36.5km s-min=23.5km az=46.0.

(112) Peru-Brazil border region.

IDC I 27 06 36 31.8–1.6 8.54S 74.76W 119–16 3.9,3.8
¶12082452
IDC Error ellipse: s-maj=19.4km s-min=10.9km az=49.0.
ISC II 07 05 41 29.7–.46 8.05S–.07 74.46W–.08 151 4.0b 41 4-153
ISCJB II 07 05 41 28.0–.42 8.04S–.06 74.40W–.06 151 3.9b ¶15955170
IDC II 07 05 41 29.7–.50 8.06S 74.48W 154–4 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=7.7km az=33.5.
IDC Error ellipse: s-maj=10.5km s-min=9.6km az=60.0.
IDC II 07 21 54 14.8–2.4 9.54S 73.55W 0 4.1,4.1
¶15955194
IDC Error ellipse: s-maj=94.7km s-min=40.7km az=22.0.
ISC II 13 13 18 36.8–.31 8.51S–.04 74.01W–.05 165–2 5.1b 1070 4-171
MOS II 13 13 18 34.9–.80 8.42S 74.05W 154 5.2b ¶11672909
ISCJB II 13 13 18 35.5–.60 8.46S–.04 74.05W–.03 162–5 5.0b
BJI II 13 13 18 35.2 7.85S 74.18W 147 5.2b
NEIC II 13 13 18 36.2–.45 8.52S 73.99W 157–4 5.2b
IDC II 13 13 18 37.5–.39 8.51S 74.08W 170–3 4.7,4.7
ISC Event type fe.
MOS Error ellipse: s-maj=7.8km s-min=5.1km az=96.1.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.5km az=26.7.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=220.0. Felt at Lima and Pucallpa, Peru.
IDC Error ellipse: s-maj=9.3km s-min=7.6km az=46.0.
IDC II 22 17 36 12.7–2.4 8.63S 74.23W 182–30 3.4,3.2
¶15956958
IDC Error ellipse: s-maj=34.6km s-min=13.5km az=56.0.
ISC III 03 19 07 21.5–.56 8.07S–.06 74.39W–.06 151 4.1b 39 4-168
IDC III 03 19 07 19.9–2.8 7.98S 74.30W 128–33 3.9,3.9b ¶12702377
ISCJB III 03 19 07 20.3–.55 8.04S–.06 74.41W–.05 151 3.9b,3.9b
NEIC III 03 19 07 20.9–.81 8.01S 74.39W 140–9 4.6b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=13.9km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.2km az=28.1.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.5km az=210.0.
IDC III 07 22 36 34.3–2.1 7.48S 74.76W 145–23 3.7,3.6
¶12702668
IDC Error ellipse: s-maj=27.8km s-min=11.1km az=45.0.
ISC IV 08 03 06 22.3–.29 7.95S–.04 74.45W–.06 153–2 4.6b 639 4-168
BJI IV 08 03 06 19.2 8.44S 75.18W 146 5.0b ¶16152527
ISCJB IV 08 03 06 21.0–.79 7.90S–.04 74.34W–.05 151–7 4.5b
NEIC IV 08 03 06 22.4–.14 7.94S 74.34W 152 4.7b
IDC IV 08 03 06 22.6–.36 7.90S 74.39W 153–3 4.4,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.5km az=136.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.3km az=54.0. Felt [II] at Contamana and Pucallpa.
IDC Error ellipse: s-maj=12.2km s-min=8.1km az=56.0.
IDC IV 09 00 04 41.1–1.1 8.49S 74.53W 0 3.8,3.7L
¶16152569
IDC Error ellipse: s-maj=32.7km s-min=21.7km az=31.0.
IDC IV 17 09 56 06.9–2.7 7.99S 74.31W 146–31 3.6,3.4
¶16152898
IDC Error ellipse: s-maj=43.8km s-min=15.1km az=38.0.
ISC IV 21 17 32 24.1–.39 9.73S–.04 71.25W–.05 631–4 4.7b 792 6-167
BJI IV 21 17 32 22.2 9.60S 71.20W 616 5.2b ¶12638918
NEIC IV 21 17 32 23.6–.16 9.61S 71.22W 619 4.8b
ISCJB IV 21 17 32 23.3–.37 9.57S–.04 71.27W–.03 627–5 4.7b
IDC IV 21 17 32 24.1–.44 9.70S 71.28W 628–5 4.2,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.7km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.6km az=28.9.
IDC Error ellipse: s-maj=10.1km s-min=6.5km az=55.0.
IDC V 02 09 29 40.9–2.2 8.18S 74.40W 154–28 3.2,3.1
¶16154831
IDC Error ellipse: s-maj=30.1km s-min=13.0km az=51.0.
IDC V 20 05 52 18.5–2.4 8.06S 74.37W 136–29 3.6,3.6b
¶16155937
IDC Error ellipse: s-maj=28.7km s-min=12.6km az=56.0.
IDC V 28 15 04 08.3–.49 9.61S 71.18W 615–5 3.5,3.4
¶16156274
IDC Error ellipse: s-maj=14.1km s-min=9.1km az=65.0.
ISC VI 06 21 51 21.6–.29 8.65S–.04 74.69W–.05 135–2 5.1b 665 4-168
BJI VI 06 21 51 13.4 8.70S 74.70W 60 5.4b,5.3s ¶12941953
ISCJB VI 06 21 51 19.2–.61 8.57S–.03 74.74W–.03 122–6 5.1b,5.3s
MOS VI 06 21 51 19.0–.86 8.52S 74.76W 119 5.4b,5.3s
NEIC VI 06 21 51 21.7–.13 8.63S 74.68W 134 5.2b,5.3s
IDC VI 06 21 51 21.8–.32 8.68S 74.72W 134–2 4.7,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.1km az=38.8.
MOS Error ellipse: s-maj=8.2km s-min=5.4km az=93.4.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=46.0. Felt [III] at Pucallpa. Also felt at Campoverde, Laredo and Tingo Maria. Felt [II] at Ipixuna, Brazil. Also felt at Cruzeiro do Sul.
IDC Error ellipse: s-maj=9.2km s-min=7.4km az=80.0.
IDC VI 06 23 47 00.1–1.9 8.75S 74.83W 136–20 3.6,3.5
¶16101036
IDC Error ellipse: s-maj=25.3km s-min=10.9km az=56.0.
IDC VI 12 01 34 22.7–2.4 7.98S 74.16W 116–29 3.8,3.8b
¶16101222
IDC Error ellipse: s-maj=34.2km s-min=11.8km az=41.0.

(113) Western Brazil.

IDC I 10 18 43 28.4–1.1 8.82S 71.51W 537–10 3.5,3.3b
¶12080973
IDC Error ellipse: s-maj=19.5km s-min=13.0km az=62.0.
ISC I 29 22 28 06.0–.17 8.14S–.03 71.48W–.04 610 5.2b 2170 7-173
MOS I 29 22 28 04.2–1.8 8.00S 71.35W 601 5.4b,5.2s ¶13434078
ISCJB I 29 22 28 05.4–.14 8.02S–.03 71.48W–.02 607 5.2b,5.2s
NEIC I 29 22 28 05.9–.12 8.11S 71.40W 602 5.6W,5.3b
IDC I 29 22 28 06.4–.31 8.15S 71.48W 609–3 4.5,4.5
SZGRF I 29 22 28 17.1 6.31S 69.78W 602 5.5b,4.5
ISC Event type se.
MOS Error ellipse: s-maj=11.8km s-min=7.0km az=61.7.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=28.9.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=47.0. Moment Tensor Solution. s47 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.60 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$2.67 $M_{r\theta}$-1.44 $M_{\theta\phi}$-0.86 $M_{\phi r}$1.92 Best double couple: NP1:ϕ_s150.00000°,δ66.00000°,λ-103.00000°. NP2:ϕ_s359.00000° ,δ27.00000°,λ-64.00000°. Principal axes: T 3.7300,Plg19.0000°,Azm249.0000° ; N -0.1400,Plg11.0000°,Azm155.0000°; P -3.5900,Plg66.0000°,Azm36.0000° $M_0$3.70000×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=5.8km az=61.0.
SZGRF Western Brazil.
IDC V 18 11 16 45.6–1.5 8.67S 71.46W 523–24 3.4,3.2
¶16155869
IDC Error ellipse: s-maj=37.2km s-min=13.1km az=32.0.
ISC VI 08 20 20 05.6–.25 8.81S–.03 71.63W–.05 542–2 5.0b 1062 6-172
MOS VI 08 20 20 03.7–.81 8.56S 71.56W 519 5.2b ¶13439994
ISCJB VI 08 20 20 04.1–.41 8.63S–.03 71.59W–.03 525–5 4.9b
IDC VI 08 20 20 05.8–.29 8.75S 71.61W 538–3 4.6,4.6
NEIC VI 08 20 20 05.7–.11 8.69S 71.51W 536 5.4W,5.1b
BJI VI 08 20 20 05.9 8.60S 71.40W 538 5.1b,5.1b
GCMT VI 08 20 20 09.4–.20 8.67S 71.47W 552–1 5.4W,5.1b
SZGRF VI 08 20 20 18.0 7.30S 69.34W 546 5.2b,5.1b
ISC Event type se.
MOS Error ellipse: s-maj=7.2km s-min=5.0km az=83.1.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=41.9.
IDC Error ellipse: s-maj=7.8km s-min=5.1km az=66.0.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=51.0. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.52 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$1.88 $M_{r\theta}$-0.43 $M_{\theta\phi}$-0.37 $M_{\phi r}$0.16 Best double couple: NP1:ϕ_s8.00000°,δ44.00000°,λ-64.00000°. NP2:ϕ_s154.00000° ,δ51.00000°,λ-113.00000°. Principal axes: T 1.9600,Plg3.0000°,Azm260.0000° ; N -0.2900,Plg17.0000°,Azm168.0000°; P -1.6600,Plg71.0000°,Azm1.0000° $M_0$1.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c127; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32±.03 $M_{\theta\theta}$-0.20±.05; $M_{\phi\phi}$1.51±.06; $M_{r\theta}$-0.51±.05; $M_{\theta\phi}$-0.27±.05; $M_{\phi r}$0.34±.05; Best double couple: NP1:ϕ_s10.00000°,δ40.00000°,λ-60.00000°. NP2:ϕ_s153.00000°,δ56.00000°,λ-113.00000°. Principal axes: T 1.6100,Plg8.0000° ,Azm259.0000°; N -0.0800,Plg19.0000°,Azm166.0000°; P -1.5300,Plg69.0000° ,Azm12.0000° $M_0$1.60000×10^{17}
SZGRF Western Brazil.

(114) Off coast of Peru.

IDC I 23 11 28 44.2–1.6 10.79S 79.46W 0 3.8,3.7
¶12082117
IDC Error ellipse: s-maj=52.6km s-min=21.8km az=37.0.
IDC I 23 11 31 31.5–1.6 10.90S 79.63W 0 3.7,3.6

¶12082118
IDC Error ellipse: s-maj=41.3km s-min=23.9km az=40.0.
IDC II 12 23 48 57.3–1.7 10.25S 80.13W 0 3.9,3.7
¶15955837
IDC Error ellipse: s-maj=42.9km s-min=23.9km az=43.0.
IDC V 07 21 33 50.5–4.5 17.59S 73.98W 0 3.8,3.7b
¶16155495
IDC Error ellipse: s-maj=179.1km s-min=35.1km az=10.0.
IDC V 18 16 10 30.6–4.8 16.69S 75.77W 0 4.2,4.1b
¶16155877
IDC Error ellipse: s-maj=210.4km s-min=38.6km az=17.0.
IDC V 18 16 32 02.5–5.9 17.73S 75.94W 0 4.1b,4.0
¶16155878
IDC Error ellipse: s-maj=360.2km s-min=50.8km az=3.0.
IDC V 18 21 29 12.9–2.0 16.52S 75.61W 0 4.0L,3.9
¶16155887
IDC Error ellipse: s-maj=58.3km s-min=24.4km az=31.0.
ISC VI 08 12 10 30.1–.52 17.12S–.07 73.37W–.07 26 4.1b,4.0s 47 2-152
IDC VI 08 12 10 26.6–.68 17.03S 73.18W 0 4.2L,4.1 ¶13546685
ISCJB VI 08 12 10 28.4–.55 17.14S–.06 73.36W–.08 26 4.0b,4.0s
NEIC VI 08 12 10 28.6–2.8 17.06S 73.22W 14–17 4.4b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=16.5km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=8.4km az=153.3.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.0km az=79.0.

(115) Near coast of Peru.

ISC I 15 18 38 00.4–.50 15.78S–.08 74.27W–.10 49 4.7b 67 5-160
ISCJB I 15 18 37 58.4–.45 15.77S–.06 74.27W–.08 49 4.6b ¶12081353
NEIC I 15 18 37 58.1–1.6 15.78S 74.33W 29–12 4.9b,4.6L
IDC I 15 18 37 59.6–2.4 15.83S 74.36W 42–21 4.4,4.3b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=6.8km az=149.5.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=5.5km az=60.0. Felt [III] at Chala.
IDC Error ellipse: s-maj=23.8km s-min=15.0km az=44.0.
ISC I 18 11 37 00.9–.50 14.16S–.07 75.15W–.09 81–3 4.7b 535 3-168
MOS I 18 11 36 55.2–.79 13.94S 75.17W 33 4.9b ¶11596331
BJI I 18 11 36 59.2 13.41S 75.05W 70 5.6s,5.3
IDC I 18 11 37 00.8–.69 14.17S 75.19W 78–4 4.3,4.2
ISCJB I 18 11 37 01.3–.95 13.90S–.06 74.98W–.07 89–7 4.6b,4.2
NEIC I 18 11 37 01.6–.78 13.97S 75.00W 76–7 4.7b,4.2
ISC Event type fe.
MOS Error ellipse: s-maj=26.4km s-min=7.7km az=115.1.
IDC Error ellipse: s-maj=23.7km s-min=8.8km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=6.7km az=136.9.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=5.2km az=54.0. Felt [II] at Huaytara and Palpa. Also felt at Ayacucho.
ISC I 19 00 02 46.6–.42 13.56S–.06 76.72W–.08 33 5.1s,4.7b 127 2-174
IDC I 19 00 02 41.4–.69 13.61S 76.84W 0 4.5,4.5 ¶11610983
ISCJB I 19 00 02 44.7–.41 13.62S–.05 76.76W–.06 33 4.9s,4.5b
NEIC I 19 00 02 48.4–.81 13.48S 76.71W 43–6 4.8b,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=22.4km s-min=11.9km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=6.1km az=135.2.
NEIC Event type fe. Error ellipse: s-maj=10.4km s-min=4.9km az=56.0. Felt [II] at Chincha Alta. Also felt at Lima.
ISC I 26 01 49 59.5–.46 15.82S–.08 74.77W–.10 30 4.5b,4.2s 94 4-170
IDC I 26 01 49 55.0–.68 15.85S 74.75W 0 4.3,4.2 ¶11617563
ISCJB I 26 01 49 57.5–.40 15.89S–.07 74.71W–.08 30 4.5b,4.2s
NEIC I 26 01 49 59.3–3.1 15.85S 74.80W 28–21 4.9b,4.2s
BJI I 26 01 50 02.6 16.19S 74.23W 50 5.4s,5.3b
ISC Event type fe.
IDC Error ellipse: s-maj=27.9km s-min=15.1km az=43.0.
ISCJB Event type fe. Error ellipse: s-maj=14.2km s-min=5.0km az=140.3.
NEIC Event type fe. Error ellipse: s-maj=17.2km s-min=8.3km az=45.0. Felt at Coracora, Nazca and Puquio.
ISC I 28 05 05 54.2–.64 14.45S–.08 76.07W–.09 29 3.9b,3.1s 36 3-147
IDC I 28 05 05 50.1–1.0 14.37S 76.06W 0 4.2,4.0 ¶12082543
ISCJB I 28 05 05 52.6–.56 14.46S–.06 76.02W–.07 29 4.0b,3.3s
NEIC I 28 05 05 56.4–1.2 14.43S 76.03W 45–11 4.5b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=15.2km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=6.9km az=148.6.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.8km az=58.0.
ISC II 02 17 53 23.6–.60 13.63S–.04 76.59W–.05 34–2 5.7s,5.6b 1095 2-174
IDC II 02 17 53 18.4–.44 13.63S 76.70W 0 5.7,5.7s ¶11660452
ISCJB II 02 17 53 20.4–.15 13.55S–.03 76.72W–.03 21 5.7s,5.5b
NEIC II 02 17 53 21.8–.16 13.58S 76.56W 21 6.0W,5.9W
MOS II 02 17 53 23.0–1.1 13.39S 76.59W 33 5.8b,5.6s
BJI II 02 17 53 24.2 13.50S 76.50W 35 6.0s,5.8b
ISC Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=10.5km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.8km az=136.8.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.5km az=57.0. Felt [V] at Pisco; [IV] at Chincha Alta and San Vicente de Canete; [III] at Huancavelica, Huancayo Lima and Nazca; [II] at Barranca. Also felt at Cerro de Pasco, Chilca, Chosica, Ica, Imperial, Mala, Marcona, Nuevo Imperial, Palpa, Ricardo Palma, San Luis, Santa Maria and Supe. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s104 Moment tensor: Scale 10^{17}Nm; M_{rr}4.04 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-4.05 $M_{r\theta}$-0.45 $M_{\theta\phi}$1.38 $M_{\phi r}$-4.17 Best double couple: NP1:ϕ_s326.00000° ,δ26.00000°,λ60.00000°. NP2:ϕ_s179.00000°,δ68.00000°,λ104.00000°. Principal axes: T 5.9600,Plg64.0000°,Azm111.0000°; N 0.0500,Plg12.0000°,Azm353.0000° ; P -6.0200,Plg21.0000°,Azm258.0000° $M_0$6.00000×10^{17}
MOS Error ellipse: s-maj=11.2km s-min=5.3km az=109.4.
ISC II 03 03 14 21.3–.43 16.53S–.07 72.75W–.08 74–3 4.7b 430 4-170
ISCJB II 03 03 14 19.7–1.1 16.43S–.05 72.66W–.06 71–9 4.7b ¶11662487
BJI II 03 03 14 19.4 16.50S 72.00W 61 5.4s,5.2b
MOS II 03 03 14 20.6–1.4 16.58S 72.91W 74 5.0b,5.2b
IDC II 03 03 14 21.7–.55 16.50S 72.75W 74–3 4.4,4.3
NEIC II 03 03 14 21.1–.29 16.59S 72.69W 74 4.8b,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=6.0km az=144.0.
MOS Error ellipse: s-maj=18.2km s-min=8.7km az=122.4.
IDC Error ellipse: s-maj=19.1km s-min=10.4km az=47.0.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=6.1km az=59.0. Felt [IV] at Ocona, [III] at Camana and [II] at Arequipa. Also felt at Lluta, Mollendo and Punta de Bombon.
ISC II 05 20 27 18.7–1.4 14.4S–.10 76.3W–.20 23 3.6b 16 2-147
IDC II 05 20 27 14.9–2.0 14.50S 76.32W 0 4.0L,3.9 ¶12699622
NEIC II 05 20 27 20.2–1.9 14.53S 76.38W 35 4.3L,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=65.6km s-min=28.8km az=48.0.
NEIC Event type fe. Error ellipse: s-maj=45.3km s-min=13.5km az=223.0. Felt [II] at Ica.
NEIC II 13 16 41 02.0 12.33S 77.33W 36 4.1b,3.8L
¶14189456
NEIC Event type fe. Felt [II] at Barranca and Lima. Also felt at Chilca and Chosica. After ARE.
IDC II 23 14 11 28.2–1.4 14.59S 76.65W 0 3.9b,3.8
¶15957063
IDC Error ellipse: s-maj=40.7km s-min=22.5km az=60.0.
ISC III 05 23 59 01.4–.68 17.72S–.08 71.84W–.10 33 4.1b 25 4-150
IDC III 05 23 58 53.9–2.0 18.62S 72.11W 0 4.3L,4.1 ¶12702526
ISCJB III 05 23 58 59.5–.64 17.65S–.07 71.86W–.09 33 3.9b,3.7s
NEIC III 05 23 59 03.0 17.67S 71.99W 34 4.3L,3.7s
ISC Event type fe.
IDC Error ellipse: s-maj=67.2km s-min=26.0km az=15.0.
ISCJB Event type fe. Error ellipse: s-maj=13.5km s-min=7.5km az=143.8.
NEIC Event type fe. Felt [II] at Ilo and Punta de Bombon. After ARE.
IDC III 15 07 09 07.6–7.8 16.07S 74.10W 78–40 3.7L,3.4
¶12703330
IDC Error ellipse: s-maj=159.7km s-min=20.2km az=23.0.
ISC III 20 07 14 39.0–.63 16.2S–.10 74.2W–.10 41–4 4.1b 38 3-148
IDC III 20 07 14 38.7–.80 16.30S 74.07W 34–6 4.0,4.0L ¶12703791
NEIC III 20 07 14 40.9–1.0 16.10S 74.00W 53–9 4.2b,4.0L
ISCJB III 20 07 14 40.5–1.4 16.16S–.10 74.16W–.09 66–13 3.9b,4.0L
ISC Event type fe.
NEIC Event type fe. Felt [II] at Atico and Chala.
ISCJB Event type fe.
IDC III 20 07 18 19.9–8.5 16.96S 74.53W 53–50 4.1L,3.9
¶12703792
IDC Error ellipse: s-maj=120.5km s-min=19.2km az=38.0.
ISC III 23 23 44 11.0–.73 13.44S–.08 76.27W–.09 55 3.8b 27 2-146
NEIC III 23 23 44 05.0 13.80S 76.85W 40 4.2 ¶12635430
ISCJB III 23 23 44 10.7–.77 13.36S–.08 76.15W–.09 55 3.8b
IDC III 23 23 44 11.1–1.0 13.45S 76.22W 47–5 3.9,3.7
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Pisco and [III] at Chincha Alta. After ARE.
ISCJB Event type fe. Error ellipse: s-maj=15.7km s-min=5.8km az=136.7.
IDC Error ellipse: s-maj=41.2km s-min=16.0km az=44.0.
IDC III 24 06 07 14.5–3.7 17.81S 70.55W 104–26 3.7b,3.7
¶12635448
IDC Error ellipse: s-maj=37.4km s-min=28.5km az=116.0.
IDC III 29 13 51 21.0–1.5 16.14S 74.74W 0 3.6L,3.6
¶12635866
IDC Error ellipse: s-maj=53.4km s-min=31.0km az=34.0.
ISC IV 12 16 24 38.9–.52 14.48S–.07 75.51W–.07 68–4 4.7b 394 3-173
BJI IV 12 16 24 33.0 14.96S 75.96W 46 5.2b,5.1s ¶12582086
ISCJB IV 12 16 24 39.3–.84 14.29S–.06 75.35W–.06 80–7 4.5b,5.1s
IDC IV 12 16 24 39.4–.72 14.28S 75.27W 65–5 4.3,4.2
NEIC IV 12 16 24 40.1–.71 14.25S 75.29W 73–6 4.8b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.0km s-min=4.8km az=43.8.
IDC Error ellipse: s-maj=26.1km s-min=10.1km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=4.9km az=52.0. Felt [III] at Ica and Palpa; [II] at Ayacucho, Nazca and Pisco. Also felt at Chincha Alta, Lima and Nuevo Imperial.
ISC IV 14 17 45 38.4–.38 15.60S–.07 74.77W–.07 26 4.5b,4.0s 343 4-170
IDC IV 14 17 45 34.7–.60 15.50S 74.65W 0 4.5,4.4 ¶12583063
ISCJB IV 14 17 45 37.0–.24 15.52S–.05 74.63W–.07 26 4.5b,4.0s
BJI IV 14 17 45 38.7 15.23S 74.54W 35 5.3s,5.2b
NEIC IV 14 17 45 40.4–.68 15.55S 74.60W 40–6 4.7b,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=24.8km s-min=15.9km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=5.0km az=146.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=5.0km az=61.0. Felt [III] at Chala. Also felt at Acari.
ISC IV 15 09 41 01.6–.83 17.5S–.10 72.04W–.09 42–5 4.5b 24 1-150
IDC IV 15 09 40 59.1–1.0 18.37S 72.14W 43–5 4.4L,4.3 ¶12935304
NEIC IV 15 09 41 03.0 17.05S 72.13W 45 4.2,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=37.4km s-min=14.4km az=170.0.
NEIC Event type fe. Felt [II] at Arequipa and Mollendo. After ARE.
IDC IV 21 06 50 46.7–2.7 16.36S 72.76W 79–22 3.5,3.4
¶16153197
IDC Error ellipse: s-maj=46.7km s-min=20.5km az=29.0.
IDC IV 28 01 24 42.0–1.1 13.69S 76.56W 50–7 4.0,3.8
¶16154577
IDC Error ellipse: s-maj=28.8km s-min=8.5km az=70.0.
ISC IV 28 08 11 44.4–.48 17.62S–.08 70.39W–.08 95 4.1b 57 3-157
ISCJB IV 28 08 11 42.1–.48 17.73S–.07 70.43W–.08 95 4.1b ¶12936362
NEIC IV 28 08 11 43.0–.75 17.66S 70.40W 81–7 4.3b
IDC IV 28 08 11 45.0–.84 17.55S 70.32W 91–5 3.9,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=7.0km az=136.2.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=9.5km az=63.0. Felt [II] at Tacna.
IDC Error ellipse: s-maj=26.3km s-min=16.7km az=34.0.
ISC V 01 00 12 29.8–.91 14.13S–.10 76.4W–.10 30 3.7b 19 2-146
NEIC V 01 00 12 27.5–1.4 14.26S 76.53W 35 4.3L,3.8b ¶12784547
ISCJB V 01 00 12 28.6–.91 13.99S–.09 76.3W–.10 30 3.6b,3.1s
IDC V 01 00 12 31.9–1.2 13.74S 76.08W 35–6 3.7,3.5
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=23.4km s-min=13.4km az=71.0. Felt [III] at Pisco.
ISCJB Event type fe. Error ellipse: s-maj=19.7km s-min=7.4km az=146.3.
IDC Error ellipse: s-maj=48.3km s-min=13.1km az=56.0.
IDC V 03 17 17 38.2–2.2 14.37S 76.48W 0 3.7,3.6
¶16154869
IDC Error ellipse: s-maj=53.7km s-min=19.2km az=63.0.
ISC V 03 18 24 01.2–.97 14.36S–.09 76.19W–.09 29 3.7b 16 2-147
IDC V 03 18 23 57.7–1.2 14.41S 76.35W 0 3.9,3.8 ¶13678293
ISCJB V 03 18 23 60.0–.80 14.30S–.09 76.28W–.08 29 4.0s,3.7b
NEIC V 03 18 24 06.8–1.9 13.74S 75.94W 35 4.4b,4.2L
ISC Event type fe.
IDC Error ellipse: s-maj=42.6km s-min=14.3km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=13.6km s-min=10.0km az=32.8.
NEIC Event type fe. Error ellipse: s-maj=40.0km s-min=10.8km az=45.0. Felt [II] at Ica and Pisco.
ISC V 07 23 39 04.5–.50 16.41S–.07 73.92W–.08 52–4 4.0b 58 5-152
NEIC V 07 23 39 04.7–.59 16.03S 73.65W 54 4.4b ¶13678529
IDC V 07 23 39 05.2–.59 16.03S 73.54W 55–4 4.0,3.8
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=12.6km az=223.0. Felt [II] at Chala and Ocona.
IDC Error ellipse: s-maj=24.8km s-min=17.3km az=50.0.
ISC V 09 17 57 39.2–.72 14.69S–.08 76.2W–.10 29 3.6b 29 3-147
NEIC V 09 17 57 41.3–1.1 14.48S 75.76W 38–10 4.1 ¶13678625
IDC V 09 17 57 42.9–2.9 14.60S 76.00W 53–23 3.9,3.8L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=18.7km s-min=7.6km az=52.0. Felt [III] at Ica.
IDC Error ellipse: s-maj=51.8km s-min=17.3km az=48.0.
ISC V 14 23 27 13.6–.87 16.2S–.10 72.4W–.10 103 13 1-85
ISCJB V 14 23 27 09.9–.81 16.22S–.09 72.3W–.10 103 3.4b ¶13678961
NEIC V 14 23 27 10.1–1.1 16.20S 72.19W 63–14 3.9
IDC V 14 23 27 15.2–2.3 15.98S 72.35W 105–21 3.2,3.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.0km s-min=7.1km az=143.5.
NEIC Event type fe. Error ellipse: s-maj=22.5km s-min=14.8km az=46.0. Felt [II] at Arequipa and Camana.
IDC Error ellipse: s-maj=51.0km s-min=17.1km az=34.0.
ISC V 18 14 01 04.9–.62 15.76S–.04 74.99W–.05 25–3 5.5s,5.3b 417 4-174
IDC V 18 14 01 01.1–.45 15.61S 74.95W 0 5.5,5.5s ¶12834863
NEIC V 18 14 01 04.9–1.3 15.66S 74.84W 23–9 5.8W,5.7W
ISCJB V 18 14 01 04.6–.20 15.72S–.04 74.99W–.04 33 5.5s,5.2b
BJI V 18 14 01 05.5 15.42S 75.87W 26 5.8s,5.6b
MOS V 18 14 01 06.2–1.2 15.42S 75.07W 33 5.5s,5.3b
GCMT V 18 14 01 08.8–.10 15.80S 75.26W 12–0 5.8W,5.3b
ISC Event type fe.
IDC Error ellipse: s-maj=18.4km s-min=11.5km az=60.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=3.6km az=59.0. Felt [III] at Ica, Nazca, Palpa and San Juan de Marcona; [II] at Acari and Yauca. Moment Tensor Solution. s76 Moment tensor: Scale 10^{17}Nm; M_{rr}3.18 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-2.96 $M_{r\theta}$-0.26 $M_{\theta\phi}$1.12 $M_{\phi r}$-3.44 Best double couple: NP1:ϕ_s325.00000°,δ25.00000°,λ60.00000°. NP2:ϕ_s177.00000° ,δ69.00000°,λ103.00000°. Principal axes: T 4.8200,Plg63.0000°,Azm108.0000° ; N -0.1300,Plg12.0000°,Azm352.0000°; P -4.6900,Plg22.0000°,Azm257.0000° $M_0$4.70000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.4km az=137.7.
MOS Error ellipse: s-maj=13.0km s-min=7.4km az=109.6.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=222, per= 50. Moment Tensor Solution. s99,c194; s63,c70; Moment tensor: Scale 10^{17}Nm; M_{rr}3.05±.04 $M_{\theta\theta}$-0.45±.03; $M_{\phi\phi}$-2.60±.04; $M_{r\theta}$1.53±.11; $M_{\theta\phi}$1.64±.03; $M_{\phi r}$-5.19±.23; Best double couple: NP1:ϕ_s319.00000°,δ17.00000°,λ68.00000°. NP2:ϕ_s162.00000°,δ75.00000°,λ96.00000°. Principal axes: T 6.1700,Plg60.0000°,Azm81.0000°; N 0.3100,Plg6.0000°,Azm340.0000° ; P -6.4800,Plg29.0000°,Azm247.0000° $M_0$6.30000×10^{17}
ISC V 18 14 13 07.5–.36 15.76S–.06 75.11W–.08 30 5.4s,4.8b 167 4-169
IDC V 18 14 13 02.9–.55 15.66S 75.05W 0 4.9s,4.8 ¶12834865
BJI V 18 14 13 04.3 15.60S 75.00W 10 5.6s,5.4b
ISCJB V 18 14 13 05.6–.27 15.66S–.05 74.96W–.07 30 5.3s,4.7b

NEIC V 18 14 13 06.2–1.6 15.71S 75.04W 20–12 4.9b,4.6L
GCMT V 18 14 13 09.3–.30 15.90S 75.27W 18–1 5.3W,4.6L
ISC Event type fe.
IDC Error ellipse: s-maj=22.3km s-min=14.0km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=4.1km az=141.4.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=4.5km az=58.0. Felt [II] at Acari, Ica, Nazca and Yauca.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s20,c21; s62,c90; Moment tensor: Scale 10^{17}Nm; M_{rr}1.07±.07 $M_{\theta\theta}$-0.16±.04; $M_{\phi\phi}$-0.91±.05; $M_{r\theta}$0.07±.08; $M_{\theta\phi}$0.47±.02; $M_{\phi r}$-0.27±.11; Best double couple: NP1:ϕ_s331.00000°,δ38.00000°,λ85.00000°. NP2:ϕ_s157.00000°,δ52.00000°,λ94.00000°. Principal axes: T 1.1100,Plg82.0000° ,Azm87.0000°; N 0.0600,Plg3.0000°,Azm335.0000°; P -1.1700,Plg7.0000°,Azm245.0000° $M_0$1.10000×10^{17}
IDC V 18 14 26 06.4–2.5 15.71S 75.08W 0 4.0,3.8
¶16155873
IDC Error ellipse: s-maj=89.3km s-min=25.3km az=36.0.
IDC V 19 07 08 04.7–6.9 15.85S 75.80W 0 3.8,3.8L
¶16155899
IDC Error ellipse: s-maj=252.4km s-min=31.2km az=22.0.
ISC V 20 04 32 33.6–.59 14.34S–.06 76.21W–.09 29 4.0b,3.2s 40 2-147
IDC V 20 04 32 29.5–1.1 14.42S 76.23W 0 4.2,4.1 **¶13679282**
ISCJB V 20 04 32 32.1–.55 14.39S–.07 76.09W–.10 29 4.1b,3.5s
NEIC V 20 04 32 34.7–.56 14.33S 76.19W 35 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=37.8km s-min=15.7km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=6.1km az=149.8.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=8.3km az=52.0.
ISC V 21 05 10 27.0–.66 14.71S–.06 76.46W–.08 23 4.3b 53 3-147
ISCJB V 21 05 10 25.3–.51 14.66S–.06 76.47W–.07 23 4.2b,3.6s **¶13679350**
NEIC V 21 05 10 29.2–.42 14.55S 76.37W 35 4.4b,3.6s
IDC V 21 05 10 30.5–2.5 14.56S 76.34W 46–19 4.1,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=5.1km az=143.9.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=5.6km az=53.0.
IDC Error ellipse: s-maj=34.2km s-min=10.4km az=49.0.
ISC V 23 10 24 09.5–.53 12.51S–.08 76.7W–.10 65 3.8b 46 1-151
NEIC V 23 10 24 07.0 12.51S 76.68W 58 4.2 **¶12861524**
ISCJB V 23 10 24 08.3–.65 12.57S–.07 76.7W–.10 65 3.6b
IDC V 23 10 24 08.6–.82 12.45S 76.67W 49–6 3.7,3.5
BJI V 23 10 24 09.0 12.50S 76.70W 58 5.2b,4.6s
ISC Event type fe.
NEIC Event type fe. Felt [III] at Chilca and Lima. Also felt at Chosica. After ARE.
ISCJB Event type fe. Error ellipse: s-maj=18.9km s-min=7.0km az=155.3.
IDC Error ellipse: s-maj=45.5km s-min=12.9km az=71.0.
ISC V 26 06 38 39.6–.31 14.55S–.05 76.19W–.07 29 5.1b,4.9s 310 3-174
BJI V 26 06 38 35.9 15.30S 75.57W 10 5.4s,5.3b **¶12862827**
IDC V 26 06 38 36.2–.42 14.43S 76.09W 0 4.7,4.7
NEIC V 26 06 38 39.0–1.4 14.42S 75.98W 15–9 5.2b,5.0L
ISCJB V 26 06 38 39.2–.20 14.45S–.04 76.09W–.04 29 5.1b,4.9s
MOS V 26 06 38 40.4–.93 14.36S 76.10W 33 5.4b,4.9s
GCMT V 26 06 38 43.5–.20 14.48S 76.32W 15 5.4W,4.9s
ISC Event type fe.
IDC Error ellipse: s-maj=20.1km s-min=10.1km az=65.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=2.8km az=54.0. Felt [III] at Ica and Palpa and [II] at Chincha Alta. Also felt at Nazca.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.7km az=143.0.
MOS Error ellipse: s-maj=9.9km s-min=6.3km az=103.2.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s70,c110; s80,c148; Moment tensor: Scale 10^{17}Nm; M_{rr}0.65±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.68±.01; $M_{r\theta}$0.08±.04; $M_{\theta\phi}$0.32±.01; $M_{\phi r}$-1.42±.04; Best double couple: NP1:ϕ_s319.00000°,δ16.00000°,λ55.00000°. NP2:ϕ_s175.00000°,δ77.00000°,λ99.00000°. Principal axes: T 1.5600,Plg57.0000° ,Azm97.0000°; N 0.0900,Plg9.0000°,Azm353.0000°; P -1.6400,Plg32.0000°,Azm258.0000° $M_0$1.60000×10^{17}
IDC V 27 17 15 17.8–.82 10.25S 78.51W 46–5 3.9,3.8
¶16156230
IDC Error ellipse: s-maj=39.7km s-min=15.1km az=45.0.
ISC VI 01 00 53 31.3–1.1 17.07S–.07 71.23W–.08 83 3.7b 11 1-149
ISCJB VI 01 00 53 31.2–.83 17.15S–.06 71.28W–.08 83 3.7b **¶13680070**
NEIC VI 01 00 53 31.7–1.1 16.95S 71.17W 96–22 3.9
IDC VI 01 00 53 33.2–6.1 17.92S 70.81W 45–46 3.8,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=7.4km az=150.2.
NEIC Event type fe. Error ellipse: s-maj=17.2km s-min=13.7km az=223.0. Felt [II] at Torata.
IDC Error ellipse: s-maj=58.8km s-min=44.4km az=167.0.
IDC VI 06 20 53 12.6–1.4 16.45S 73.51W 0 3.9,3.9L
¶16101029
IDC Error ellipse: s-maj=36.5km s-min=30.0km az=32.0.
IDC VI 09 09 02 56.9–1.9 14.48S 76.55W 0 3.7,3.6L
¶16101141
IDC Error ellipse: s-maj=47.6km s-min=18.7km az=67.0.
ISC VI 13 20 10 52.0–.25 17.45S–.04 70.90W–.05 62–1 5.1b 614 1-178
MOS VI 13 20 10 48.4–.96 17.26S 70.85W 39 5.4b **¶13066704**
ISCJB VI 13 20 10 49.0–.65 17.34S–.03 70.89W–.04 47–6 5.0b,4.4s
BJI VI 13 20 10 50.0 17.68S 71.51W 52 5.4s,5.3b
NEIC VI 13 20 10 52.1–.15 17.36S 70.80W 61 5.1b,5.3b
GUC VI 13 20 10 52.8–.69 18.00S 71.52W 35–14 5.2L,5.3b
IDC VI 13 20 10 52.3–.35 17.40S 70.87W 64–2 4.7,4.7
LDG VI 13 20 10 56.7–.50 17.11S 70.50W 92 4.8b,4.2s
GCMT VI 13 20 10 57.5–.20 17.67S 71.08W 95–2 5.2W,4.2s
ISC Event type fe.
MOS Error ellipse: s-maj=9.1km s-min=6.2km az=100.8.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.2km az=139.3.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=56.0. Felt [III] at Arequipa and Mollendo and [II] at Puno. Also felt at Ilo, Moquegua, Punta de Bombon and Tacna. Felt at Arica, Chile and at El Alto and La Paz, Bolivia.
GUC Error ellipse: s-maj=24.8km s-min=13.4km az=-1.0.
IDC Error ellipse: s-maj=11.5km s-min=8.2km az=66.0.
LDG Event type ke. Error ellipse: s-maj=30.1km s-min=14.1km az=46.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s73,c114; s93,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}1.31±.19 $M_{\theta\theta}$-4.20±.20; $M_{\phi\phi}$2.88±.24; $M_{r\theta}$5.20±.11; $M_{\theta\phi}$1.00±.19; $M_{\phi r}$-5.42±.14; Best double couple: NP1:ϕ_s237.00000°,δ25.00000°,λ12.00000°. NP2:ϕ_s135.00000°,δ85.00000°,λ115.00000°. Principal axes: T 8.2300,Plg45.0000° ,Azm70.0000°; N 0.3900,Plg25.0000°,Azm313.0000°; P -8.6400,Plg35.0000°,Azm204.0000° $M_0$8.40000×10^{16}
ISC VI 14 10 35 15.7–.51 17.55S–.06 71.00W–.08 66–4 4.3b 68 1-143
ISCJB VI 14 10 35 15.0–.48 17.44S–.05 70.90W–.07 72–5 4.1b **¶13681354**
IDC VI 14 10 35 15.9–.67 17.41S 70.80W 63–5 4.1,4.0
GUC VI 14 10 35 16.4–.42 18.19S 71.58W 20 5.0L,4.0
NEIC VI 14 10 35 17.1–.67 17.52S 70.89W 78–7 4.4b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=5.0km az=149.9.
IDC Error ellipse: s-maj=19.8km s-min=12.9km az=51.0.
GUC Error ellipse: s-maj=4.0km s-min=3.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=7.4km az=58.0. Felt [III] at Ilo and [II] at Arequipa.
ISC VI 15 13 04 35.7–.31 13.67S–.04 76.23W–.06 42–2 5.4b,4.7s 670 2-173
ISCJB VI 15 13 04 33.2–.90 13.53S–.04 76.21W–.04 33–8 5.3b,4.8s **¶13107621**
MOS VI 15 13 04 33.5–.93 13.51S 76.26W 32 5.5b,4.7s
NEIC VI 15 13 04 36.1–.14 13.56S 76.13W 42 5.4b,5.3W
BJI VI 15 13 04 36.0 13.50S 76.10W 42 5.3b,5.1s
IDC VI 15 13 04 36.1–.45 13.59S 76.24W 44–3 4.8,4.8
GCMT VI 15 13 04 40.5–.10 13.63S 76.67W 52–0 5.4W,4.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.3km az=136.5.
MOS Error ellipse: s-maj=9.3km s-min=5.4km az=105.4.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=2.8km az=52.0. Felt [IV] at Barranca, Ica and Pisco; [III] at Mala; [II] at Lima. Also felt at Chilca, Chincha Alta, Chosica, San Luis and San Vicente de Canete. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s19.00000°,δ28.00000° ,λ99.00000°. NP2:ϕ_s189.00000°,δ62.00000°,λ85.00000°. Principal axes: T 1.1100,Plg72.0000°,Azm87.0000°; N 0.0700,Plg4.0000°,Azm190.0000° ; P -1.1800,Plg17.0000°,Azm282.0000° $M_0$1.10000×10^{17}
IDC Error ellipse: s-maj=16.5km s-min=9.4km az=61.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s84,c147; s88,c143; Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.03 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-1.26±.02; $M_{r\theta}$-0.06±.02; $M_{\theta\phi}$0.42±.02; $M_{\phi r}$-0.80±.02; Best double couple: NP1:ϕ_s330.00000°,δ31.00000°,λ67.00000°. NP2:ϕ_s176.00000°,δ62.00000°,λ103.00000°. Principal axes: T 1.4100,Plg70.0000° ,Azm115.0000°; N 0.1800,Plg12.0000°,Azm350.0000°; P -1.5900,Plg16.0000° ,Azm257.0000° $M_0$1.50000×10^{17}
IDC VI 17 05 41 09.7–1.2 14.83S 75.72W 0 3.9,3.8
¶16101425
IDC Error ellipse: s-maj=53.8km s-min=18.7km az=56.0.
IDC VI 22 11 07 42.1–.83 17.30S 71.03W 94–7 3.8,3.7
¶16101607
IDC Error ellipse: s-maj=14.0km s-min=12.4km az=22.0.
IDC VI 25 07 32 21.9–3.3 14.38S 76.08W 40–31 3.8,3.8s
¶16101710
IDC Error ellipse: s-maj=52.1km s-min=20.8km az=52.0.
ISC VI 30 10 41 58.5–.43 15.29S–.06 74.69W–.08 76–3 4.7b 137 3-169
ISCJB VI 30 10 41 57.9–.00 15.24S–.05 74.72W–.07 84–9 4.6b **¶13316767**
NEIC VI 30 10 41 58.7–.23 15.19S 74.63W 73 4.8b
IDC VI 30 10 41 58.6–.59 15.20S 74.67W 75–4 4.2,4.2b
BJI VI 30 10 42 01.7 15.30S 74.60W 108 5.1b,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=6.0km az=147.7.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=4.3km az=59.0. Felt [II] at San Juan de Marcona. Also felt at Acari and Coracora.
IDC Error ellipse: s-maj=21.5km s-min=10.5km az=60.0.

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ISC I 07 11 25 18.3–.38 9.86S–.05 74.42W–.07 35 4.7b,3.8s 520 3-163
IDC I 07 11 25 12.7–.56 9.76S 74.41W 0 4.3,4.2 **¶11534058**
ISCJB I 07 11 25 16.4–.26 9.81S–.05 74.44W–.04 33 4.5b,3.9s
NEIC I 07 11 25 17.8–1.4 9.91S 74.52W 35–10 4.7b,4.0L
BJI I 07 11 25 20.9 9.90S 74.50W 32 5.0s,4.8b
ISC Event type fe.
IDC Error ellipse: s-maj=15.6km s-min=11.7km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.9km az=37.9.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.4km az=51.0. Felt [II] at Puerto Inca. Also felt at Oxapampa, Pucallpa and Satipo.
IDC I 10 23 58 58.9–2.5 14.26S 70.93W 156–26 3.5,3.3
¶12080994
IDC Error ellipse: s-maj=66.0km s-min=24.8km az=36.0.
IDC I 11 18 13 04.8–1.2 10.27S 74.59W 0 4.0,3.9b
¶12081050
IDC Error ellipse: s-maj=32.5km s-min=16.8km az=139.0.
IDC I 18 13 15 04.0–1.2 10.27S 75.33W 0 3.6,3.5
¶12081649
IDC Error ellipse: s-maj=25.8km s-min=24.5km az=26.0.
ISC I 21 18 17 03.3–.38 11.78S–.06 75.63W–.06 10 4.6b 121 1-172
ISCJB I 21 18 17 01.9–.29 11.81S–.05 75.61W–.05 10 4.5b,4.5s **¶11616357**
IDC I 21 18 17 02.0–.50 11.76S 75.58W 0 4.5,4.4
NEIC I 21 18 17 03.4–.31 11.78S 75.63W 10 4.6b,4.1L
BJI I 21 18 17 05.9 11.80S 75.60W 10 5.4s,5.1
ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=7.4km s-min=5.7km az=40.2.
IDC Error ellipse: s-maj=14.1km s-min=11.4km az=0.0.
NEIC Event type de. Error ellipse: s-maj=9.6km s-min=6.5km az=55.0. At least 50 houses destroyed and 500 damaged in the Paccha area. Felt [V] at Paccha, [IV] at Jauja, [III] at Parco and [II] at Concepcion. Also felt at Acolla, Huancayo, Sicaya and Tarma.
IDC I 30 12 42 49.4–2.3 14.86S 71.32W 116–25 3.7,3.7b
¶12082737
IDC Error ellipse: s-maj=150.4km s-min=14.3km az=24.0.
NEIC II 15 00 59 58.0 13.44S 71.75W 33 3.9L,3.6b
¶14189509
NEIC Event type fe. Felt [III] at Paruro and [II] at Cusco. After ARE.
IDC II 19 08 40 18.6–2.6 9.76S 75.01W 132–29 3.3,3.2
¶15956696
IDC Error ellipse: s-maj=32.7km s-min=22.8km az=66.0.
IDC II 22 09 22 07.6–5.6 13.36S 74.03W 0 4.3b,4.1
¶15956928
IDC Error ellipse: s-maj=220.1km s-min=47.6km az=37.0.
IDC II 27 14 45 17.9–5.5 13.09S 72.38W 46–55 3.7L,3.5
¶15957459
IDC Error ellipse: s-maj=114.4km s-min=42.9km az=35.0.
IDC II 28 01 10 03.5–3.0 14.78S 72.23W 148–20 3.3,3.1
¶15957499
IDC Error ellipse: s-maj=137.6km s-min=19.8km az=29.0.
IDC II 28 13 43 53.1–2.6 14.66S 71.06W 0 4.0,4.0b
¶15957521
IDC Error ellipse: s-maj=113.0km s-min=25.8km az=35.0.
IDC III 08 14 57 42.5–.84 14.71S 73.70W 100–6 3.9,3.7
¶12702728
IDC Error ellipse: s-maj=26.6km s-min=15.2km az=47.0.
IDC III 09 09 44 49.1–2.9 13.79S 73.93W 84–20 3.5,3.4b
¶12702787
IDC Error ellipse: s-maj=118.5km s-min=18.8km az=30.0.
ISC III 15 08 19 08.0–.21 14.54S–.03 70.41W–.04 212–1 5.1b 1407 2-176
MOS III 15 08 19 00.9–1.0 14.16S 70.30W 150 5.2b **¶14260571**
ISCJB III 15 08 19 03.2–.53 14.45S–.03 70.39W–.03 179–5 5.1b
NEIC III 15 08 19 05.7–.48 14.45S 70.37W 190–4 5.6W,5.6W
LDG III 15 08 19 06.0–.80 14.81S 70.05W 206 4.6b,4.3s
IDC III 15 08 19 07.6–.33 14.46S 70.37W 205–2 4.8,4.8
BJI III 15 08 19 08.7 14.85S 70.64W 217 5.3b,4.8
GCMT III 15 08 19 10.7–.10 14.60S 70.63W 211–0 5.7W,4.8
ISC Event type fe.
MOS Error ellipse: s-maj=8.8km s-min=5.6km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=2.9km az=142.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=55.0. Felt [II] at Arequipa. Also felt at Ayaviri and Juliaca. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.13 $M_{\theta\theta}$1.48 $M_{\phi\phi}$-0.35 $M_{r\theta}$1.36 $M_{\theta\phi}$-2.15 $M_{\phi r}$1.77 Best double couple: NP1:ϕ_s160.00000° ,δ60.00000°,λ-29.00000°. NP2:ϕ_s266.00000°,δ65.00000°,λ-146.00000°. Principal axes: T 2.9100,Plg3.0000°,Azm32.0000°; N 0.7900,Plg48.0000°,Azm298.0000° ; P -3.7000,Plg40.0000°,Azm124.0000° $M_0$3.40000×10^{17}
LDG Event type ke. Error ellipse: s-maj=56.6km s-min=14.0km az=73.0.
IDC Error ellipse: s-maj=8.8km s-min=5.9km az=56.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=118, comp=242, per= 50. Moment Tensor Solution. s100,c174; s59,c64; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.27±.04 $M_{\theta\theta}$1.39±.04; $M_{\phi\phi}$-0.12±.05; $M_{r\theta}$1.67±.03; $M_{\theta\phi}$-3.33±.04; $M_{\phi r}$1.69±.04; Best double couple: NP1:ϕ_s167.00000°,δ63.00000°,λ-25.00000°. NP2:ϕ_s270.00000°,δ68.00000°,λ-150.00000°. Principal axes: T 4.0700,Plg3.0000°,Azm38.0000°; N 0.4500,Plg54.0000°,Azm303.0000° ; P -4.5100,Plg36.0000°,Azm130.0000° $M_0$4.30000×10^{17}
IDC III 28 19 17 06.2–1.5 14.91S 74.06W 99–8 3.6,3.5
¶12635794
IDC Error ellipse: s-maj=61.6km s-min=14.6km az=36.0.
IDC III 30 21 08 24.2–7.5 13.09S 75.93W 92–84 3.6L,3.3
¶12635984
IDC Error ellipse: s-maj=374.9km s-min=60.0km az=27.0.
IDC IV 04 11 29 35.7–3.6 11.74S 75.23W 49–36 3.8L,3.5
¶16152356
IDC Error ellipse: s-maj=37.3km s-min=28.3km az=154.0.
IDC IV 05 09 10 46.0–1.5 14.90S 71.63W 147–14 3.2,3.2
¶16152409
IDC Error ellipse: s-maj=41.0km s-min=12.9km az=30.0.
IDC IV 06 07 05 12.2–2.1 14.96S 72.25W 99–25 3.5,3.4
¶16152439
IDC Error ellipse: s-maj=47.1km s-min=15.8km az=33.0.
IDC IV 09 02 35 43.0–3.3 14.18S 71.29W 100–86 3.3L,3.2
¶16152571
IDC Error ellipse: s-maj=252.3km s-min=11.1km az=27.0.
IDC IV 10 19 26 47.7–1.5 10.24S 75.85W 123–18 3.3,3.2
¶16152635
IDC Error ellipse: s-maj=26.9km s-min=9.5km az=74.0.

IDC IV 12 18 19 05.0–2.2 9.48S 75.00W 117–25 3.5,3.5b
¶16152724
IDC Error ellipse: s-maj=41.5km s-min=21.1km az=41.0.
IDC IV 12 21 30 22.9–1.9 10.53S 73.97W 133–20 3.6,3.5
¶16152730
IDC Error ellipse: s-maj=32.9km s-min=16.9km az=31.0.
ISC IV 15 23 26 31.6–.36 10.35S–.05 75.51W–.07 25 4.3b,4.1s 92 2-170
IDC IV 15 23 26 28.1–.60 10.30S 75.43W 0 4.2,4.1 **¶12597506**
ISCJB IV 15 23 26 30.3–.34 10.33S–.04 75.47W–.05 25 4.3s,4.2b
NEIC IV 15 23 26 31.9–1.7 10.34S 75.49W 24–12 4.7b,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=13.0km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.6km az=152.0.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=5.7km az=58.0. Felt at Ambo, Cerro de Pasco, Huanuco, Oxapampa and San Ramon.
IDC IV 20 15 51 50.7–1.4 12.41S 73.55W 0 3.9,3.8b
¶16153153
IDC Error ellipse: s-maj=50.0km s-min=16.9km az=14.0.
ISC IV 23 06 44 03.9–.43 9.25S–.05 74.62W–.07 10 4.1b 72 3-146
ISCJB IV 23 06 44 01.9–.38 9.16S–.05 74.66W–.06 10 4.1b **¶12742303**
IDC IV 23 06 44 04.6–.70 9.15S 74.66W 19–4 4.2,4.1
NEIC IV 23 06 44 05.0–.29 9.23S 74.71W 21 4.4b,4.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=6.6km az=164.8.
IDC Error ellipse: s-maj=23.4km s-min=12.6km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.7km az=56.0. Felt [II] at Puerto Inca.
ISC IV 25 18 51 55.0–.48 14.65S–.09 73.34W–.09 87 4.2b 57 4-150
ISCJB IV 25 18 51 53.5–.45 14.66S–.08 73.34W–.07 87 4.2b **¶16489726**
IDC IV 25 18 51 54.0–2.2 14.72S 73.35W 79–18 4.1,4.0
NEIC IV 25 18 51 54.6–.93 14.72S 73.35W 86–8 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.4km az=36.6.
IDC Error ellipse: s-maj=34.5km s-min=13.5km az=33.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.6km az=220.0.
IDC IV 26 20 47 18.9–6.6 11.21S 75.66W 33–63 4.5L,3.9
¶16154533
IDC Error ellipse: s-maj=67.2km s-min=28.6km az=22.0.
IDC IV 28 22 41 38.5–1.2 10.72S 73.35W 0 4.0L,3.9
¶16154598
IDC Error ellipse: s-maj=31.6km s-min=20.6km az=42.0.
ISC V 04 16 48 42.8–.52 9.87S–.07 75.3W–.10 41 3.9b 39 3-145
IDC V 04 16 48 37.0–.69 9.87S 75.48W 0 4.1L,4.0 **¶13678340**
NEIC V 04 16 48 41.9–2.2 9.87S 75.45W 32–16 4.6b,4.0
ISCJB V 04 16 48 41.4–.48 9.89S–.07 75.48W–.09 41 3.9b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 04 18 16 59.5–.62 9.76S 75.45W 0 4.3,4.1L
¶16154902
IDC Error ellipse: s-maj=23.4km s-min=16.9km az=70.0.
IDC V 05 09 05 29.9–1.1 9.81S 75.56W 0 3.7,3.7
¶16154926
IDC Error ellipse: s-maj=31.1km s-min=21.1km az=67.0.
IDC V 07 16 10 48.2–2.3 13.04S 70.03W 0 3.8,3.6
¶16155492
IDC Error ellipse: s-maj=86.4km s-min=36.1km az=59.0.
ISC V 10 06 34 27.0–.46 9.94S–.06 75.34W–.08 41 3.7b 48 3-146
IDC V 10 06 34 21.1–.60 9.87S 75.45W 0 4.2L,4.0 **¶13678654**
ISCJB V 10 06 34 25.8–.44 9.88S–.05 75.43W–.07 41 3.8b,4.0
NEIC V 10 06 34 27.5–.88 9.92S 75.43W 44–9 4.7b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=12.0km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=7.1km az=179.3.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.1km az=57.0.
ISC V 11 20 43 19.4–.69 13.76S–.10 71.35W–.08 35 4.0b 27 3-146
ISCJB V 11 20 43 17.0–.58 13.94S–.08 71.27W–.07 33 4.0b **¶13678771**
NEIC V 11 20 43 20.1–.82 13.88S 71.25W 46–8 3.8b
IDC V 11 20 43 20.4–1.9 13.91S 71.22W 48–20 3.9,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=8.7km az=22.4.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=8.1km az=205.0. Felt [III] at Yanaoca and [II] at Sicuani.
IDC Error ellipse: s-maj=34.6km s-min=18.3km az=31.0.
ISC V 18 02 12 14.5–.40 10.99S–.06 73.31W–.05 32–2 4.5b,3.9s 137 4-169
ISCJB V 18 02 12 14.0–.87 10.98S–.05 73.32W–.04 46–8 4.4b,3.9s **¶12831005**
IDC V 18 02 12 14.5–.50 10.92S 73.37W 32–3 4.3,4.2L
NEIC V 18 02 12 16.3–.52 11.02S 73.37W 51–5 4.7b,4.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.8km az=28.3.
IDC Error ellipse: s-maj=16.3km s-min=10.6km az=35.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.3km az=48.0. Felt [III] at Atalaya.
IDC V 18 10 06 43.6–2.5 13.04S 73.54W 55–40 3.7,3.7L
¶16155867
IDC Error ellipse: s-maj=113.8km s-min=20.6km az=25.0.
IDC V 18 13 11 45.7–5.9 13.49S 74.26W 0 4.3b,4.1
¶16155871
IDC Error ellipse: s-maj=237.4km s-min=47.1km az=35.0.
IDC V 18 15 03 31.5–5.8 13.38S 74.24W 0 4.0b,3.9
¶16155874
IDC Error ellipse: s-maj=242.0km s-min=46.6km az=35.0.
IDC V 30 09 43 28.4–9.7 9.29S 77.22W 0 4.0,3.7
¶16066076
IDC Error ellipse: s-maj=380.7km s-min=37.3km az=27.0.
IDC V 30 22 33 24.1–5.0 12.77S 75.28W 0 4.3L,4.1
¶16066094
IDC Error ellipse: s-maj=216.5km s-min=30.5km az=34.0.
IDC VI 02 19 43 03.5–5.0 13.07S 73.76W 0 4.0b,3.9
¶16066241
IDC Error ellipse: s-maj=196.8km s-min=46.1km az=39.0.
ISC VI 02 21 37 05.2–.40 14.75S–.06 73.40W–.07 107–3 4.6b 186 4-172
ISCJB VI 02 21 37 01.1–.97 14.74S–.05 73.42W–.06 82–9 4.6b **¶12886824**
NEIC VI 02 21 37 03.0–.70 14.76S 73.35W 84–6 4.7b
BJI VI 02 21 37 03.4 14.70S 73.30W 88 5.5s,5.2b
IDC VI 02 21 37 05.1–.49 14.79S 73.34W 105–4 4.3,4.3
GCMT VI 02 21 37 10.1–.40 14.80S 73.60W 101–3 4.9W,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.9km az=140.5.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=4.3km az=57.0. Felt [II] at Puquio. Also felt at Coracora.
IDC Error ellipse: s-maj=16.4km s-min=10.0km az=65.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s25,c26; s58,c76; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.52±.09 $M_{\theta\theta}$0.03±.10; $M_{\phi\phi}$2.49±.11; $M_{r\theta}$0.37±.08; $M_{\theta\phi}$-1.36±.13; $M_{\phi r}$0.33±.11; Best double couple: NP1:ϕ_s323.00000°,δ45.00000°,λ-108.00000°. NP2:ϕ_s169.00000°,δ48.00000°,λ-73.00000°. Principal axes: T 3.1000,Plg2.0000° ,Azm246.0000°; N -0.4700,Plg13.0000°,Azm337.0000°; P -2.6300,Plg77.0000° ,Azm149.0000° $M_0$2.90000×10^{16}
IDC VI 14 11 52 19.0–2.4 8.99S 75.22W 57–27 3.7,3.7
¶16101316
IDC Error ellipse: s-maj=23.8km s-min=12.0km az=64.0.
IDC VI 14 15 29 36.9–1.8 9.91S 74.36W 0 3.7,3.6b
¶16101323
IDC Error ellipse: s-maj=80.4km s-min=33.8km az=43.0.
ISC VI 20 04 00 18.7–.45 14.38S–.05 72.60W–.06 86–4 4.7b 221 2-168
ISCJB VI 20 04 00 14.2–.86 14.37S–.05 72.63W–.05 57–8 4.8s,4.8b **¶13201580**
NEIC VI 20 04 00 17.7–.55 14.43S 72.67W 75–5 4.8b,4.8b
BJI VI 20 04 00 17.2 14.50S 72.60W 71 5.3s,5.2b
IDC VI 20 04 00 19.4–.55 14.37S 72.60W 90–4 4.5,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=4.7km az=137.6.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=3.6km az=59.0. Felt [II] at Abancay. Also felt at Cusco, Santo Tomas and Talavera.
IDC Error ellipse: s-maj=17.2km s-min=10.5km az=65.0.
ISC VI 30 16 01 22.7–.56 12.26S–.09 71.97W–.09 35 4.3b,4.2s 36 4-149
IDC VI 30 16 01 17.7–1.0 12.10S 71.88W 0 4.3L,4.3b **¶13682326**
ISCJB VI 30 16 01 20.4–.50 12.25S–.07 71.98W–.07 33 4.2b,4.1s
NEIC VI 30 16 01 22.6–.80 12.18S 71.99W 37–9 4.9b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=17.9km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=6.5km az=42.8.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.1km az=49.0.

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IDC II 18 07 58 27.1–3.4 15.68S 70.33W 206–25 2.9,2.8
¶15956546
IDC Error ellipse: s-maj=73.5km s-min=47.7km az=17.0.
IDC III 29 06 09 43.9–1.2 15.14S 70.25W 216–11 3.5,3.4b
¶12635843
IDC Error ellipse: s-maj=28.8km s-min=15.8km az=23.0.
ISC IV 01 02 41 27.7–.26 16.74S–.05 71.18W–.07 98–1 4.8b 820 0-170
ISCJB IV 01 02 41 24.6–.62 16.59S–.05 71.16W–.04 80–5 4.7b **¶12084398**
IDC IV 01 02 41 28.0–.37 16.65S 71.15W 97–2 4.6,4.5
BJI IV 01 02 41 27.8 16.70S 71.10W 99 5.4b,4.5
NEIC IV 01 02 41 28.0–.15 16.67S 71.11W 99 4.8b,4.5
LDG IV 01 02 41 34.9–.89 16.64S 70.05W 141 4.6b,3.8s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.2km az=37.6.
IDC Error ellipse: s-maj=14.5km s-min=10.6km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=46.0. Felt [III] at Arequipa, Mollendo and Punta de Bombon; [II] at Ilo and Moquegua.
LDG Event type ke. Error ellipse: s-maj=60.9km s-min=13.4km az=67.0.
IDC IV 06 07 32 54.9–2.4 15.28S 73.45W 106–21 3.3b,3.2
¶16152442
IDC Error ellipse: s-maj=52.5km s-min=21.9km az=33.0.
IDC IV 08 03 28 58.8–4.2 15.60S 71.54W 142–12 3.8b,3.6
¶16152530
IDC Error ellipse: s-maj=156.5km s-min=11.8km az=23.0.
IDC IV 15 12 30 12.1–1.4 15.25S 71.44W 151–13 3.2,3.2b
¶16152812
IDC Error ellipse: s-maj=42.3km s-min=11.5km az=26.0.
IDC IV 17 09 14 19.6–.83 15.30S 70.12W 216–7 3.8,3.7
¶16152895
IDC Error ellipse: s-maj=19.4km s-min=11.0km az=42.0.
IDC IV 24 02 31 55.0–2.1 15.38S 73.03W 90–21 3.7,3.5
¶16153322
IDC Error ellipse: s-maj=33.0km s-min=16.1km az=43.0.
ISC V 02 10 36 52.8–.47 15.63S–.07 70.49W–.06 193 3.9b 53 1-155
ISCJB V 02 10 36 51.4–.35 15.61S–.05 70.50W–.04 193 3.8b **¶12747145**
IDC V 02 10 36 52.9–.85 15.49S 70.39W 191–7 3.7,3.6
NEIC V 02 10 36 52.7–.56 15.60S 70.54W 184–7 4.1b,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.4km az=35.7.
IDC Error ellipse: s-maj=20.8km s-min=9.6km az=28.0.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=11.3km az=190.0. Felt at Juliaca.
IDC V 27 08 49 13.9–1.9 15.59S 72.08W 134–22 3.6b,3.4
¶16156218
IDC Error ellipse: s-maj=49.3km s-min=17.0km az=31.0.
IDC V 28 01 21 17.4–11 16.60S 70.56W 160–43 3.3,3.1
¶16156243
IDC Error ellipse: s-maj=303.9km s-min=48.6km az=23.0.
ISC VI 11 00 42 09.6–.50 15.19S–.06 71.82W–.06 124 4.2b 48 1-147
ISCJB VI 11 00 42 08.7–.41 15.16S–.06 71.82W–.06 124 4.0b **¶13681136**
IDC VI 11 00 42 08.2–1.6 15.22S 71.78W 104–18 4.0,4.0b
NEIC VI 11 00 42 10.1–.73 15.19S 71.85W 124–8 4.3b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.9km az=43.4.
IDC Error ellipse: s-maj=28.7km s-min=10.8km az=44.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.3km az=56.0.
IDC VI 21 15 50 28.1–1.5 15.69S 70.51W 195–15 3.7,3.7b
¶16101580
IDC Error ellipse: s-maj=26.2km s-min=19.9km az=57.0.

(118) Peru-Bolivia border region.

IDC I 05 10 19 05.5–4.5 14.46S 68.78W 141–66 3.5,3.4b
¶12080357
IDC Error ellipse: s-maj=113.5km s-min=28.6km az=28.0.
IDC I 07 14 18 07.8–3.0 16.59S 69.44W 174–15 3.2b,3.2
¶12080646
IDC Error ellipse: s-maj=69.2km s-min=36.9km az=20.0.
ISC I 07 23 16 48.0–.36 15.93S–.05 69.38W–.06 213 4.3b 259 1-155
ISCJB I 07 23 16 46.9–.21 15.79S–.04 69.31W–.06 213 4.1b **¶11534073**
NEIC I 07 23 16 50.6–.49 15.91S 69.32W 237–5 4.4b
IDC I 07 23 16 51.0–.54 15.79S 69.25W 238–4 3.9,3.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.3km az=154.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.0km az=54.0. Felt at Puno and Sorata.
IDC Error ellipse: s-maj=20.3km s-min=10.5km az=28.0.
ISC I 12 23 37 56.3–.48 17.60S–.05 69.18W–.07 153 4.1b 48 2-150
ISCJB I 12 23 37 55.1–.45 17.65S–.04 69.15W–.07 153 4.2b **¶12081152**
NEIC I 12 23 37 56.1–.78 17.63S 69.14W 149–8 4.5b
IDC I 12 23 37 57.9–1.3 17.50S 69.04W 161–9 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.7km az=175.8.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.3km az=55.0.
IDC Error ellipse: s-maj=20.1km s-min=13.2km az=34.0.
IDC I 23 06 48 29.4–3.9 17.39S 69.07W 170–21 4.1s,4.1
¶12082106
IDC Error ellipse: s-maj=64.4km s-min=23.4km az=23.0.
IDC I 28 14 35 31.5–3.7 16.80S 69.14W 176–12 3.4,3.3b
¶12082579
IDC Error ellipse: s-maj=103.6km s-min=42.1km az=20.0.
ISC II 14 19 28 57.0–.41 16.35S–.06 69.59W–.06 189 4.4b 71 1-169
ISCJB II 14 19 28 55.7–.37 16.32S–.04 69.62W–.05 189 4.3b **¶12700697**
NEIC II 14 19 28 57.9–.70 16.31S 69.56W 195–7 4.3b
IDC II 14 19 28 58.4–1.4 16.29S 69.45W 192–11 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.8km az=153.9.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.7km az=78.0.
IDC Error ellipse: s-maj=16.0km s-min=12.6km az=26.0.
IDC II 18 07 19 16.1–2.8 16.75S 68.33W 209–6 3.3,3.2
¶15956543
IDC Error ellipse: s-maj=97.7km s-min=22.2km az=17.0.
IDC II 28 21 25 49.5–2.2 16.19S 69.26W 184–10 3.1,3.0
¶15957550
IDC Error ellipse: s-maj=86.5km s-min=34.0km az=13.0.
IDC III 03 00 13 20.0–.79 15.37S 69.82W 247–7 3.4b,3.3
¶12702310
IDC Error ellipse: s-maj=22.7km s-min=12.5km az=27.0.
IDC III 13 10 44 53.4–2.8 16.71S 69.36W 178–11 3.8b,3.8
¶12703160
IDC Error ellipse: s-maj=68.8km s-min=22.9km az=16.0.
IDC III 14 09 33 19.2–4.8 17.58S 69.06W 165–28 3.7,3.6
¶12703240
IDC Error ellipse: s-maj=72.4km s-min=22.9km az=22.0.
IDC III 18 03 36 14.0–1.9 14.38S 69.48W 0 3.9,3.7b
¶12703560
IDC Error ellipse: s-maj=82.9km s-min=31.1km az=55.0.
IDC III 18 17 08 29.4–4.7 11.43S 69.14W 0 4.1b,3.9
¶12703600
IDC Error ellipse: s-maj=142.8km s-min=44.0km az=99.0.
IDC III 25 15 07 08.5–2.2 16.40S 69.12W 193–6 3.5,3.4b
¶12635570
IDC Error ellipse: s-maj=77.1km s-min=30.3km az=16.0.

IDC III 26 16 15 21.9–1.4 17.07S 69.21W 177–8 3.9,3.8b
¶12635643

IDC Error ellipse: s-maj=24.3km s-min=17.7km az=22.0.
IDC IV 10 01 38 21.1–2.6 16.40S 69.20W 188–11 3.4,3.2
¶16152609

IDC Error ellipse: s-maj=86.8km s-min=42.6km az=13.0.
IDC IV 15 04 16 20.8–6.5 17.68S 69.57W 142–36 3.5b,3.4
¶16152804

IDC Error ellipse: s-maj=73.9km s-min=69.7km az=96.0.
IDC IV 24 18 20 44.9–4.1 17.37S 69.27W 161–24 3.6,3.6
¶16153346

IDC Error ellipse: s-maj=71.8km s-min=23.7km az=11.0.
IDC V 03 10 58 40.1–4.9 17.18S 69.22W 182–25 3.1,3.0b
¶16154859

IDC Error ellipse: s-maj=93.2km s-min=38.7km az=19.0.
IDC V 11 06 58 00.2–1.5 15.40S 69.92W 192–13 3.9,3.7
¶16155626

IDC Error ellipse: s-maj=21.9km s-min=11.4km az=61.0.
IDC V 13 23 44 34.4–.99 16.79S 69.22W 198–6 3.7,3.5
¶16555919

IDC Error ellipse: s-maj=19.8km s-min=18.6km az=5.0.
IDC V 29 11 19 46.4–1.3 15.73S 69.20W 180–21 3.4,3.3
¶16156305

IDC Error ellipse: s-maj=109.7km s-min=18.6km az=13.0.
IDC V 30 02 56 03.7–7.0 14.33S 69.29W 191–130 3.1,2.9
¶16066057

IDC Error ellipse: s-maj=283.2km s-min=42.1km az=24.0.
IDC VI 09 12 26 08.2–1.8 17.33S 69.34W 161–11 3.7,3.7
¶16101149

IDC Error ellipse: s-maj=25.1km s-min=20.6km az=33.0.
IDC VI 11 12 09 07.8–1.6 16.90S 68.93W 204–7 3.1b,3.0
¶16101205

IDC Error ellipse: s-maj=57.4km s-min=14.5km az=103.0.
IDC VI 30 15 27 07.7–.83 16.49S 69.78W 182–6 3.8,3.7
¶16101901

IDC Error ellipse: s-maj=13.0km s-min=10.8km az=79.0.

(120) Central Bolivia.

IDC I 02 08 52 51.0–1.6 18.04S 66.83W 285–13 3.4b,3.4
¶12079813

IDC Error ellipse: s-maj=34.1km s-min=15.7km az=4.0.
IDC I 10 10 59 39.4–3.8 17.00S 68.94W 183–14 3.8,3.7
¶12080935

IDC Error ellipse: s-maj=83.2km s-min=28.5km az=23.0.
IDC I 17 01 41 46.1–5.2 17.27S 64.30W 43–28 3.9,3.8
¶12081501

IDC Error ellipse: s-maj=155.0km s-min=26.5km az=1.0.
IDC II 24 00 35 24.2–3.5 17.10S 66.92W 299–14 3.5b,3.3
¶15957124

IDC Error ellipse: s-maj=140.4km s-min=28.3km az=11.0.
IDC III 04 05 41 60.0–3.1 17.03S 68.80W 181–13 3.2,3.0b
¶12702399

IDC Error ellipse: s-maj=74.2km s-min=48.6km az=11.0.
IDC IV 20 03 35 34.1–3.9 17.53S 63.87W 20–24 4.1,3.9L
¶16153112

IDC Error ellipse: s-maj=21.2km s-min=18.9km az=92.0.
IDC V 20 03 40 35.8–3.6 17.56S 66.56W 35–32 4.2L,3.6
¶16155931

IDC Error ellipse: s-maj=44.2km s-min=20.0km az=19.0.
IDC VI 28 12 04 02.3–7.3 18.96S 67.23W 238–76 3.4,3.4b
¶16101822

IDC Error ellipse: s-maj=125.7km s-min=70.9km az=147.0.

(121) Off coast of northern Chile.

IDC I 18 09 03 19.6–2.6 21.59S 71.57W 0 3.6,3.5b
¶12081628

IDC Error ellipse: s-maj=71.2km s-min=61.8km az=172.0.
IDC I 20 22 14 45.7–2.1 25.01S 71.12W 0 3.9b,3.8
¶12081902

IDC Error ellipse: s-maj=70.5km s-min=61.5km az=73.0.
ISC II 18 19 37 26.6–.95 26.99S–.07 71.1W–.20 25 4.5b 28 2-151
IDC II 18 19 37 22.7–1.0 26.88S 71.21W 0 4.4b,4.0 **¶12701165**
ISCJB II 18 19 37 25.9–1.2 27.01S–.05 70.9W–.20 25 4.3b,3.2s
NEIC II 18 19 37 27.0–3.4 26.95S 71.11W 27–22 4.5b,3.2s
ISC Event type fe.
IDC Error ellipse: s-maj=43.5km s-min=23.0km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=26.1km s-min=6.7km az=1.9.
NEIC Event type fe. Error ellipse: s-maj=30.7km s-min=9.5km az=97.0. Felt at Copiapo.
IDC II 28 16 54 02.3–1.1 27.70S 72.15W 0 3.7b,3.7L
¶15957536

IDC Error ellipse: s-maj=42.2km s-min=39.0km az=166.0.
ISC III 14 05 41 00.7–.56 18.30S–.05 71.17W–.06 33–3 4.9b,4.0s 538 2-172
ISCJB III 14 05 41 00.1–.30 17.99S–.06 71.06W–.04 31 4.8b,4.2s **¶11882880**
MOS III 14 05 41 00.6–1.1 17.92S 71.02W 33 5.2b,4.2s
BJI III 14 05 41 01.9 17.98S 71.25W 36 5.4s,5.3b
IDC III 14 05 41 01.1–.77 18.11S 70.95W 30–4 4.5,4.4b
NEIC III 14 05 41 03.1–.73 18.05S 70.99W 43–6 4.9b,4.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.9km az=26.3.
MOS Error ellipse: s-maj=12.5km s-min=7.1km az=106.0.
IDC Error ellipse: s-maj=23.6km s-min=13.4km az=37.0.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=4.5km az=221.0. Felt at Arica. Felt [II] at Vila Vila, Peru. Also felt at Ilo, Moquegua and Tacna.
IDC IV 04 10 23 48.1–3.2 18.37S 71.73W 0 3.5,3.5b
¶16152351

IDC Error ellipse: s-maj=111.2km s-min=40.0km az=2.0.
ISC IV 23 14 00 26.7–2.9 25.72S–.06 71.2W–.30 12–13 29 1-150
IDC IV 23 14 00 26.5–3.0 25.95S 70.43W 0 4.2b,3.8 **¶12936012**
GUC IV 23 14 00 30.6–.45 25.90S 71.44W 43–9 4.1L,3.8
NEIC IV 23 14 00 30.6 25.90S 71.44W 43 4.1,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=104.4km s-min=64.7km az=84.0.
GUC Error ellipse: s-maj=3.2km s-min=16.8km az=-1.0.
NEIC Event type fe. Felt [III] at Taltal. After GUC.
IDC IV 27 01 02 16.3–1.4 23.22S 71.87W 0 3.9,3.7
¶16154539

IDC Error ellipse: s-maj=46.9km s-min=33.5km az=48.0.
ISC V 04 23 40 51.2–1.3 18.32S–.04 71.70W–.06 20–9 4.5s,4.3b 104 1-162
IDC V 04 23 40 48.4–.66 18.11S 71.31W 0 4.3,4.3L **¶12750579**
ISCJB V 04 23 40 50.4–1.6 18.35S–.03 71.74W–.04 27–12 4.5s,4.2b
NEIC V 04 23 40 51.0–2.9 18.28S 71.67W 16–18 4.3b,4.2b
GUC V 04 23 40 51.2–.83 18.72S 71.71W 25–17 4.9L,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=25.8km s-min=16.7km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.5km az=149.3.
NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=6.6km az=70.0. Felt [II] at Arequipa, Peru.
GUC Error ellipse: s-maj=12.4km s-min=6.2km az=-1.0.
IDC V 05 00 50 01.3–2.0 20.52S 71.07W 0 3.7,3.5
¶16154912

IDC Error ellipse: s-maj=65.3km s-min=44.7km az=133.0.
ISC V 19 21 06 35.8–3.3 18.5S–.10 71.3W–.20 47–25 4.2b 20 1-144
GUC V 19 21 06 35.3–.57 18.53S 71.23W 38–6 3.9L **¶13679261**
ISCJB V 19 21 06 37.8–.71 18.55S–.06 71.06W–.08 73–7 4.0b
IDC V 19 21 06 42.5–2.8 18.34S 71.04W 102–23 3.9b,3.8
ISC Event type ke.
GUC Error ellipse: s-maj=6.4km s-min=4.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=7.2km az=147.6.
IDC Error ellipse: s-maj=31.8km s-min=21.8km az=16.0.
ISC V 20 07 23 32.9–4.2 21.31S–.07 71.73W–.09 15–29 3.8b 19 2-147
IDC V 20 07 23 30.9–1.6 21.41S 71.89W 0 4.0,3.9 **¶13679294**
ISCJB V 20 07 23 32.7–2.3 21.34S–.05 71.75W–.06 25–20 3.7b,3.9
GUC V 20 07 23 34.1–.99 21.36S 71.52W 31–22 3.9L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=30.1km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=8.8km az=164.1.
GUC Error ellipse: s-maj=15.1km s-min=15.4km az=-1.0.
IDC V 22 14 32 32.7–1.4 19.78S 71.04W 0 4.1b,4.1
¶16156023

IDC Error ellipse: s-maj=54.3km s-min=25.2km az=135.0.
IDC V 28 04 43 39.3–9.0 18.11S 71.01W 196–48 3.7b,3.6
¶16156250

IDC Error ellipse: s-maj=172.2km s-min=20.1km az=16.0.
ISC VI 30 11 30 07.0–1.3 18.33S–.04 71.26W–.09 45–12 4.2b,4.0s 49 2-151
ISCJB VI 30 11 30 05.5–.82 18.40S–.04 71.33W–.08 52–8 4.0b,3.9s **¶13682310**
GUC VI 30 11 30 06.3–.43 18.50S 71.31W 76–20 4.0L,3.9s
NEIC VI 30 11 30 07.7–1.4 18.33S 71.32W 52–12 4.1b,3.9s
IDC VI 30 11 30 10.3–4.5 18.27S 71.10W 72–39 4.7L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=5.5km az=162.0.
GUC Error ellipse: s-maj=3.3km s-min=7.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=11.6km az=74.0.
IDC Error ellipse: s-maj=28.8km s-min=25.8km az=7.0.

(122) Near coast of northern Chile.

ISC I 09 22 43 31.1–.34 23.09S–.03 70.76W–.05 20–2 4.9b,4.5s 740 0-176
IDC I 09 22 43 28.3–.50 22.93S 70.60W 0 4.7b,4.7 **¶11534468**
ISCJB I 09 22 43 29.3–.89 23.05S–.03 70.83W–.03 10–5 4.8b,4.4s
NEIC I 09 22 43 30.0 23.04S 70.81W 20 5.0b,5.0L
GUC I 09 22 43 30.7–.62 23.04S 70.81W 20–3 5.0L,5.0L
BJI I 09 22 43 32.1 23.10S 70.70W 20 5.3s,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=22.1km s-min=13.6km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.1km az=135.7.
NEIC Event type fe. Felt [III] at Baquedano and Mejillones. After GUC.
GUC Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0.
GUC I 10 10 47 34.5–.41 23.02S 70.80W 25–4 3.5,3.1L
¶14323072

GUC Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0.
ISC I 15 14 41 24.2–.99 22.25S–.04 70.01W–.06 52–8 24 0-147
ISCJB I 15 14 41 23.3–.61 22.26S–.04 70.10W–.07 69–6 3.8b **¶12081341**
GUC I 15 14 41 24.1–.96 22.25S 70.05W 56–4 4.1L
IDC I 15 14 41 25.4–4.3 22.38S 69.89W 74–40 3.8L,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.3km az=17.3.
GUC Error ellipse: s-maj=2.4km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=109.3km s-min=34.4km az=104.0.
IDC I 17 19 39 40.0–4.8 22.89S 70.20W 34–36 3.9L,3.8
¶12081565

IDC Error ellipse: s-maj=27.9km s-min=24.6km az=66.0.
ISC I 19 20 15 15.9–.92 20.99S–.05 70.53W–.08 49–8 3.7b 49 1-153
IDC I 19 20 15 14.9–1.1 21.25S 70.39W 44–6 4.1L,3.9 **¶12081796**
ISCJB I 19 20 15 16.7–.84 20.98S–.04 70.5W–.10 69–9 3.6b,3.9
GUC I 19 20 15 16.3–1.0 21.01S 70.47W 66–21 4.0L,3.9
NEIC I 19 20 15 16.3 21.01S 70.47W 66 4.1b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=36.3km s-min=23.9km az=3.0.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=6.2km az=9.7.
GUC Error ellipse: s-maj=4.4km s-min=9.8km az=-1.0.
NEIC Event type fe. Felt [III] at Alto Hospicio and Iquique. After GUC.
GUC I 20 01 10 19.5–.73 27.56S 71.01W 26–9 3.7L
¶14323145

GUC Error ellipse: s-maj=2.1km s-min=5.2km az=-1.0.
IDC I 24 03 39 10.3–2.4 21.47S 70.07W 0 3.7,3.6b
¶12082188

IDC Error ellipse: s-maj=68.0km s-min=62.0km az=65.0.
GUC I 25 15 01 51.2–.54 27.52S 70.90W 43–3 4.0L
¶14323248

GUC Error ellipse: s-maj=1.8km s-min=3.8km az=-1.0.
GUC I 29 10 28 57.5–.92 27.83S 70.77W 45–4 4.1L
¶14323327

GUC Error ellipse: s-maj=2.3km s-min=8.2km az=-1.0.
IDC I 31 06 42 44.9–13 26.01S 70.53W 0 4.1b,4.1
¶12082793

IDC Error ellipse: s-maj=788.7km s-min=106.1km az=8.0.
ISC I 31 14 40 14.6–.24 22.95S–.03 70.04W–.05 45 5.1b,4.2s 746 0-175
MOS I 31 14 40 12.4–1.0 22.93S 70.18W 33 5.5b,4.2s **¶11657512**
ISCJB I 31 14 40 13.5–.18 22.93S–.03 69.99W–.04 48 5.0b,4.2s
NEIC I 31 14 40 14.9 22.88S 70.27W 55 5.1b,4.2s
GUC I 31 14 40 14.9–.45 22.88S 70.27W 55–3 5.3L,4.2s
IDC I 31 14 40 14.8–.44 22.93S 70.10W 46–3 4.6,4.6
BJI I 31 14 40 17.7 22.90S 69.90W 51 5.5s,5.3
ISC Event type fe.
MOS Error ellipse: s-maj=18.2km s-min=7.8km az=109.4.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=9.3.
NEIC Event type fe. Felt [III] at Mejillones and [II] at Antofagasta, Maria Elena, Sierra Gorda and Tocopilla. After GUC.
GUC Error ellipse: s-maj=2.1km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=14.4km s-min=10.5km az=50.0.
IDC II 02 15 32 10.9–6.6 19.49S 70.40W 0 3.8,3.6
¶15954901

IDC Error ellipse: s-maj=289.1km s-min=67.3km az=21.0.
GUC II 10 13 17 38.4–.86 22.62S 70.50W 32–2 4.1,4.0L
¶14323470

GUC Error ellipse: s-maj=2.2km s-min=3.4km az=-1.0.
ISC II 13 07 47 25.2–.74 23.02S–.04 70.66W–.06 26–4 4.8b,4.2s 478 0-176
IDC II 13 07 47 21.1–.56 22.98S 70.62W 0 4.6,4.5 **¶11672894**
GUC II 13 07 47 22.0–.91 23.09S 70.83W 28–7 4.9L,4.5
ISCJB II 13 07 47 23.6–.86 23.04S–.03 70.72W–.05 21–6 4.7b,4.2s
BJI II 13 07 47 23.8 23.67S 70.17W 27 5.5s,5.2
NEIC II 13 07 47 25.3–2.1 23.09S 70.61W 26–15 4.8b,5.2
ISC Event type fe.
IDC Error ellipse: s-maj=19.0km s-min=14.7km az=77.0.
GUC Error ellipse: s-maj=5.7km s-min=9.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.7km az=172.2.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=6.1km az=78.0. Felt at Antofagasta.
IDC II 28 18 07 07.1–6.8 20.08S 70.12W 66–51 3.6L,3.5
¶15957539

IDC Error ellipse: s-maj=69.3km s-min=51.3km az=18.0.
GUC III 05 03 46 52.6–.48 24.50S 70.08W 45–3 3.6L
¶14693239

GUC Error ellipse: s-maj=3.3km s-min=6.2km az=-1.0.
GUC III 12 09 54 58.1–.86 24.78S 70.43W 20 4.0,3.4L
¶14693328

GUC Error ellipse: s-maj=4.5km s-min=12.1km az=-1.0.
ISC III 26 18 16 30.0–.42 25.68S–.04 70.58W–.08 41–3 4.5b 383 2-168
ISCJB III 26 18 16 25.7–1.7 25.66S–.03 70.51W–.07 15–12 5.3s,4.5b **¶12635645**
GUC III 26 18 16 27.9–.75 25.72S 70.03W 92–22 4.8L,4.5b
IDC III 26 18 16 30.5–.49 25.67S 70.54W 42–3 5.2s,5.2
NEIC III 26 18 16 30.2–.19 25.70S 70.45W 42 4.7b,5.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=4.4km az=177.6.
GUC Error ellipse: s-maj=1.7km s-min=59.8km az=-1.0.
IDC Error ellipse: s-maj=18.2km s-min=11.6km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.0km az=83.0. Felt [III] at Chanaral, Copiapo, Diego de Almagro and El Salvador.
ISC III 26 21 33 38.4–.99 23.46S–.06 70.38W–.10 32–7 12 0-148
IDC III 26 21 33 34.9–3.6 23.68S 69.91W 0 4.1b,4.1 **¶12635653**
ISCJB III 26 21 33 37.6–.92 23.50S–.06 70.4W–.10 39–6 4.1b,4.1
GUC III 26 21 33 38.1–.51 23.45S 70.31W 36–4 3.7L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=128.5km s-min=84.7km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=9.5km az=9.2.

GUC Error ellipse: s-maj=1.8km s-min=5.1km az=-1.0.
IDC III 27 18 42 25.3–4.1 21.41S 70.14W 0 3.6b,3.5
¶12635715

IDC Error ellipse: s-maj=136.5km s-min=63.0km az=94.0.
ISC III 30 15 48 20.8–.58 18.00S–.04 70.03W–.07 99–4 4.0b 53 1-150
ISCJB III 30 15 48 19.8–.59 17.99S–.04 69.99W–.08 105–5 4.1b **¶12635955**
NEIC III 30 15 48 20.9–.71 17.91S 69.93W 99–7 4.5b
GUC III 30 15 48 21.8–.51 18.36S 70.67W 32–8 4.0L
IDC III 30 15 48 21.3–.78 17.95S 69.81W 100–5 4.1,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.3km s-min=6.8km az=7.9.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=11.2km az=165.0. Felt [II] at Tacna.
GUC Error ellipse: s-maj=7.2km s-min=9.9km az=-1.0.
IDC Error ellipse: s-maj=26.9km s-min=21.3km az=124.0.
ISC IV 02 04 20 06.3–.50 27.49S–.03 71.03W–.06 27–3 4.8b,4.2s 568 0-178
GUC IV 02 04 20 04.0–.83 27.49S 71.13W 40–7 4.9L,4.2s **¶12084895**
NEIC IV 02 04 20 04.0 27.49S 71.13W 40 4.8b,4.2s
BJI IV 02 04 20 05.8 27.50S 71.00W 10 5.4s,5.0
ISCJB IV 02 04 20 05.8–.80 27.49S–.03 70.98W–.07 32–5 4.7b,4.2s
IDC IV 02 04 20 06.9–.55 27.54S 71.10W 29–3 4.6,4.5
ISC Event type se.
GUC Error ellipse: s-maj=2.4km s-min=8.6km az=-1.0.
NEIC Event type se. After GUC.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.1km az=169.9.
IDC Error ellipse: s-maj=18.2km s-min=12.5km az=68.0.
GUC IV 02 07 31 39.6–1.0 21.13S 70.06W 11–999 3.5L
¶14693624

GUC Error ellipse: s-maj=2.3km s-min=6.3km az=-1.0.
ISC IV 07 21 15 33.1–.98 19.25S–.05 70.14W–.09 61–8 4.2b 38 0-151
ISCJB IV 07 21 15 31.6–.81 19.19S–.05 70.15W–.09 67–5 3.9b **¶12934762**
GUC IV 07 21 15 32.6–.79 19.24S 70.16W 54–5 4.1L
NEIC IV 07 21 15 32.6 19.24S 70.16W 54 4.0b
IDC IV 07 21 15 37.8–5.8 19.22S 69.85W 97–37 3.8,3.7
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=15.2km s-min=7.1km az=17.1.
GUC Error ellipse: s-maj=3.8km s-min=5.5km az=-1.0.
NEIC Event type fe. Felt [III] at Arica, Camarones, Codpa and Cuya. After GUC.
IDC Error ellipse: s-maj=68.9km s-min=29.7km az=36.0.
ISC IV 09 09 36 47.4–1.8 22.37S–.04 70.75W–.08 9–10 3.8b 27 1-147
GUC IV 09 09 36 49.3–.84 22.38S 70.66W 6–8 4.1L **¶12934901**
IDC IV 09 09 36 54.9–2.9 22.42S 70.30W 68–25 3.7,3.5
ISC Event type ke.
GUC Error ellipse: s-maj=2.3km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=32.6km s-min=25.1km az=80.0.
ISC IV 10 22 01 17.4–1.0 18.44S–.05 70.5W–.10 72–7 3.9b 30 0-88
IDC IV 10 22 01 04.0–2.4 19.42S 70.84W 0 3.9,3.9b **¶12934937**
ISCJB IV 10 22 01 16.7–.57 18.40S–.06 70.5W–.10 79–5 3.8b,3.9b
NEIC IV 10 22 01 18.0 18.47S 70.44W 72 3.8,3.9b
GUC IV 10 22 01 18.0–.94 18.47S 70.44W 72–7 3.8L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=70.2km s-min=43.3km az=179.0.
ISCJB Event type fe. Error ellipse: s-maj=17.7km s-min=7.0km az=155.7.
NEIC Event type fe. Felt [II] at Arica. After GUC.
GUC Error ellipse: s-maj=7.2km s-min=9.3km az=-1.0.
GUC IV 11 10 35 44.4–.73 27.44S 70.99W 54–12 3.6L
¶14694090

GUC Error ellipse: s-maj=4.8km s-min=6.1km az=-1.0.
IDC IV 16 20 35 27.3–2.8 19.57S 70.39W 84–24 4.0,3.8
¶16152857

IDC Error ellipse: s-maj=28.5km s-min=16.6km az=94.0.
ISC IV 17 02 08 09.2–.50 19.58S–.02 70.50W–.03 29–3 5.9s,5.8b 1687 0-179
IDC IV 17 02 08 04.8–.33 19.57S 70.49W 0 5.8,5.8s **¶14413616**
ISCJB IV 17 02 08 07.3–.69 19.45S–.02 70.50W–.02 22–4 5.8s,5.7b
GUC IV 17 02 08 08.4–.47 19.68S 70.68W 36–2 6.0L,5.7b
NEIC IV 17 02 08 08.7–.11 19.58S 70.48W 25 6.1W,6.0W
LDG IV 17 02 08 08.5–.51 18.96S 70.00W 10 5.9s,5.7b
BJI IV 17 02 08 08.2 19.41S 71.29W 25 6.2s,6.1
MOS IV 17 02 08 10.0–.94 19.25S 70.52W 33 6.0b,5.8s
DJA IV 17 02 08 10.8–2.2 20S–40 70W–36 10 6.5b,6.2
BGS IV 17 02 08 11.5–3.3 19.22S 69.89W 33 5.9s,5.4b
GCMT IV 17 02 08 15.0–.10 19.72S 71.10W 32 6.1W,5.4b
SZGRF IV 17 02 08 26.5 19.07S 65.27W 33 5.9s,5.8b
ISC Event type fe.
IDC Error ellipse: s-maj=14.8km s-min=10.5km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.7km az=43.0.
GUC Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.6km az=54.0. Felt [V] at Alto Hospicio, Cuya, Huara and Pisagua; [IV] at Arica, Camina, Pica, Pozo Almonte and Putre; [III] at Iquique. Also felt at Tocopilla. Felt [II] at Arequipa, Moquegua and Tacna, Peru. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s165.00000° ,δ70.00000°,λ90.00000°. NP2:ϕ_s345.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm75.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm255.0000° Moment Tensor Solution. s122 Moment tensor: Scale 10^{18}Nm; M_{rr}1.04 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-1.16 $M_{r\theta}$0.26 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s357.00000°,δ28.00000°,λ102.00000°. NP2:ϕ_s164.00000°,δ63.00000°,λ84.00000°. Principal axes: T 1.2900,Plg71.0000° ,Azm59.0000°; N 0.1600,Plg5.0000°,Azm166.0000°; P -1.4400,Plg17.0000°,Azm258.0000° $M_0$1.40000×10^{18} Moment Tensor Solution. $M_0$2.40000×10^{18}
LDG Event type ke. Error ellipse: s-maj=31.5km s-min=9.8km az=51.0.
MOS Error ellipse: s-maj=7.8km s-min=5.1km az=85.6.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=232, per= 50. Moment Tensor Solution. s103,c236; s82,c116; Moment tensor: Scale 10^{18}Nm; M_{rr}1.09±.01 $M_{\theta\theta}$0.10±.01; $M_{\phi\phi}$-1.20±.01; $M_{r\theta}$0.39±.01; $M_{\theta\phi}$0.31±.01; $M_{\phi r}$-1.03±.02; Best double couple: NP1:ϕ_s355.00000°,δ24.00000°,λ102.00000°. NP2:ϕ_s161.00000°,δ67.00000°,λ85.00000°. Principal axes: T 1.5300,Plg68.0000°,Azm61.0000°; N 0.1600,Plg5.0000°,Azm164.0000° ; P -1.7000,Plg21.0000°,Azm256.0000° $M_0$1.60000×10^{18}
SZGRF Southern Bolivia.
ISC IV 17 02 17 56.4–.33 19.55S–.05 70.54W–.07 44 4.8b 351 3-170
IDC IV 17 02 17 50.3–.58 19.49S 70.45W 0 4.7,4.6 **¶12935503**
NEIC IV 17 02 17 54.5–.19 19.52S 70.41W 26 5.0b,4.6
ISCJB IV 17 02 17 55.5–.21 19.45S–.04 70.47W–.04 44 4.8b,4.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 17 02 33 32.1–2.3 20.46S 70.76W 0 3.6,3.5b
¶16152873

IDC Error ellipse: s-maj=68.5km s-min=46.2km az=166.0.
IDC IV 17 03 43 05.2–2.1 20.43S 70.68W 0 3.9,3.8b
¶16152878

IDC Error ellipse: s-maj=62.9km s-min=36.5km az=1.0.
IDC IV 17 06 04 16.7–2.1 20.38S 70.68W 0 4.1,4.0b
¶16152881

IDC Error ellipse: s-maj=67.3km s-min=43.2km az=170.0.
IDC IV 17 06 13 59.3–2.2 20.32S 70.76W 0 3.7,3.6L
¶16152882

IDC Error ellipse: s-maj=68.3km s-min=44.7km az=169.0.
ISC IV 17 06 17 16.1–.67 20.04S–.09 70.5W–.10 44 4.1b,3.6s 37 4-152
IDC IV 17 06 17 08.8–1.1 20.24S 70.61W 0 4.2,4.1 **¶12935493**
ISCJB IV 17 06 17 14.3–.66 20.10S–.07 70.5W–.10 44 4.0b,3.6s
NEIC IV 17 06 17 15.8–1.3 20.04S 70.49W 44–11 4.0b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=35.2km s-min=23.9km az=10.0.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=10.2km az=165.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=8.7km az=90.0.
IDC IV 17 06 36 13.0–1.9 20.43S 70.84W 0 4.0,3.9b
¶16152884

IDC Error ellipse: s-maj=59.0km s-min=38.2km az=149.0.
IDC IV 17 07 28 03.9–2.3 20.27S 70.75W 0 3.9,3.9L
¶16152886

IDC Error ellipse: s-maj=70.9km s-min=43.3km az=169.0.
IDC IV 17 08 44 56.9–1.3 20.03S 70.68W 0 4.1,3.9
¶16152892

IDC Error ellipse: s-maj=46.6km s-min=33.3km az=162.0.
IDC IV 17 09 00 11.7–1.1 19.84S 70.75W 0 4.2L,4.0
¶16152893

IDC Error ellipse: s-maj=36.1km s-min=26.6km az=21.0.
ISC IV 17 20 06 49.3–.93 19.71S–.04 70.46W–.09 58–9 4.2b 36 1-152
GUC IV 17 20 06 45.6–.60 19.72S 70.65W 40–3 4.7L **¶12935407**
ISCJB IV 17 20 06 47.2–.78 19.71S–.03 70.57W–.08 57–7 4.1b
IDC IV 17 20 06 51.4–2.2 19.66S 70.37W 77–19 3.9,3.8
ISC Event type ke.
GUC Error ellipse: s-maj=1.9km s-min=3.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=5.7km az=175.1.
IDC Error ellipse: s-maj=22.0km s-min=18.8km az=62.0.
GUC IV 17 20 10 43.2–.61 22.47S 70.34W 34–3 4.0L
¶14694313

GUC Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0.
GUC IV 18 01 20 32.1–.53 27.23S 71.04W 24–4 3.5L,3.5
¶14694344

GUC Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0.
IDC IV 19 13 27 36.2–5.0 19.65S 70.29W 83–38 3.8,3.6b
¶16153060

IDC Error ellipse: s-maj=55.3km s-min=27.0km az=73.0.
IDC IV 19 16 05 55.0–2.3 20.29S 70.78W 0 3.9,3.7
¶16153071

IDC Error ellipse: s-maj=69.7km s-min=57.7km az=165.0.
IDC IV 20 10 23 04.4–.84 19.53S 70.47W 0 4.5L,4.2
¶16153128

IDC Error ellipse: s-maj=31.6km s-min=22.3km az=35.0.
IDC IV 21 06 33 20.7–3.5 19.32S 70.13W 115–28 3.4b,3.2
¶16153195

IDC Error ellipse: s-maj=49.4km s-min=30.7km az=96.0.
IDC IV 21 10 14 41.0–2.3 20.38S 70.68W 0 3.9,3.8
¶16153203

IDC Error ellipse: s-maj=57.6km s-min=37.1km az=12.0.
IDC IV 23 01 20 46.6–2.5 19.83S 70.14W 0 3.9,3.7
¶16153286

IDC Error ellipse: s-maj=67.1km s-min=43.8km az=175.0.
IDC IV 27 12 24 38.1–2.1 19.40S 70.61W 0 3.8,3.6
¶16154559

IDC Error ellipse: s-maj=71.8km s-min=39.7km az=171.0.
GUC V 01 14 07 18.0–.81 22.16S 70.43W 21–10 3.6,3.3L
¶14761378

GUC Error ellipse: s-maj=3.0km s-min=6.1km az=-1.0.
ISC V 11 16 27 59.9–1.4 22.49S–.05 70.35W–.10 42–15 17 1-147
IDC V 11 16 27 54.2–4.0 22.77S 69.90W 0 3.9b,3.6 **¶13678756**
GUC V 11 16 27 58.4–.78 22.53S 70.33W 37–3 3.3L,3.6
ISCJB V 11 16 27 58.6–.96 22.51S–.05 70.41W–.10 49–12 3.8b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC V 12 17 20 34.4–2.3 19.44S–.05 70.9W–.20 42–21 3.7b 19 1-152
IDC V 12 17 20 25.3–2.0 20.30S 71.05W 0 3.9,3.7 **¶13678827**
GUC V 12 17 20 31.5–.73 19.49S 70.96W 37–4 3.7L,3.7
ISCJB V 12 17 20 32.6–1.5 19.46S–.04 71.0W–.10 43–15 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC V 13 03 08 33.4–1.9 20.05S 71.00W 0 3.7,3.7b
¶16155694

IDC Error ellipse: s-maj=72.2km s-min=40.4km az=171.0.
IDC V 13 05 35 21.6–3.6 19.36S 70.54W 91–28 3.7,3.7b
¶16155699

IDC Error ellipse: s-maj=44.2km s-min=29.4km az=89.0.
ISC V 13 16 24 43.0–2.3 19.63S–.04 70.71W–.10 18–11 18 1-145
IDC V 13 16 24 38.0–2.2 20.00S 70.85W 0 3.9,3.9b **¶13678881**
ISCJB V 13 16 24 43.2–1.7 19.58S–.04 70.85W–.09 26–10 3.8b,3.9b
GUC V 13 16 24 44.5–.70 19.59S 70.73W 41–3 3.9L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=72.0km s-min=43.2km az=171.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=6.8km az=173.7.
GUC Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
ISC V 13 20 55 18.7–1.4 27.47S–.04 70.19W–.08 8–11 15 0-5
NEIC V 13 20 55 19.9 27.50S 70.33W 2 3.5L **¶14645119**
GUC V 13 20 55 19.9–.78 27.50S 70.33W 2–9 3.5L
ISC Event type fe.
NEIC Event type fe. Felt [II] at Copiapo. After GUC.
GUC Error ellipse: s-maj=4.0km s-min=6.2km az=-1.0.
GUC V 17 21 45 02.9–.71 24.17S 70.35W 18–9 3.5L
¶14761683

GUC Error ellipse: s-maj=3.6km s-min=4.9km az=-1.0.
GUC V 18 20 52 42.6–.79 22.50S 70.35W 32–3 3.6L
¶14761710

GUC Error ellipse: s-maj=2.2km s-min=5.0km az=-1.0.
IDC V 21 11 48 50.0–1.6 21.02S 70.83W 0 4.1,4.0b
¶16155987

IDC Error ellipse: s-maj=63.8km s-min=47.9km az=132.0.
ISC V 23 00 17 13.4–2.0 23.14S–.05 70.7W–.20 37–3 12 1-148
IDC V 23 00 17 10.2–3.9 23.44S 70.14W 0 3.8b,3.6 **¶13679441**
ISCJB V 23 00 17 13.6–1.3 23.14S–.06 70.7W–.10 48–14 3.7b,3.0s
GUC V 23 00 17 14.6–.97 23.09S 70.49W 35–5 3.5L,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=125.4km s-min=61.1km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=9.4km az=15.8.
GUC Error ellipse: s-maj=3.2km s-min=7.3km az=-1.0.
ISC V 29 16 08 19.7–.61 20.83S–.03 70.02W–.06 50–5 4.2b 71 1-153
IDC V 29 16 08 19.9–.75 20.92S 69.98W 48–5 4.1,3.9b **¶13679906**
NEIC V 29 16 08 19.9 20.87S 70.09W 44 4.1b,3.9b
GUC V 29 16 08 19.9–.89 20.87S 70.09W 44–2 4.7L,3.9b
ISCJB V 29 16 08 20.2–.54 20.83S–.03 69.99W–.09 64–5 4.1b,3.9b
ISC Event type se.
NEIC Event type se. After GUC.
ISCJB Event type se.
GUC VI 02 19 25 29.8–.55 27.65S 70.16W 77–5 3.5L
¶14988563

GUC Error ellipse: s-maj=2.4km s-min=8.2km az=-1.0.
IDC VI 08 23 07 54.4–2.1 20.07S 70.63W 0 4.5L,4.3
¶16101123

IDC Error ellipse: s-maj=69.6km s-min=54.4km az=159.0.
ISC VI 11 03 56 35.3–.93 20.12S–.05 70.0W–.10 49–6 37 0-152
ISCJB VI 11 03 56 34.8–.49 20.10S–.04 69.9W–.10 62–5 4.0b **¶13681144**
NEIC VI 11 03 56 34.9 20.16S 69.99W 53 4.0
GUC VI 11 03 56 34.9–.78 20.16S 69.99W 53–4 4.0L
IDC VI 11 03 56 40.1–2.4 20.23S 69.66W 93–20 3.9,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.0km s-min=4.7km az=164.1.
NEIC Event type fe. Felt [III] at Alto Hospicio and Huara; [II] at Camina, Iquique and Pica. After GUC.
GUC Error ellipse: s-maj=4.3km s-min=14.4km az=-1.0.
IDC Error ellipse: s-maj=43.9km s-min=15.8km az=94.0.
IDC VI 15 19 48 06.4–3.1 24.16S 70.41W 0 4.2b,4.1
¶16101378

IDC Error ellipse: s-maj=79.5km s-min=49.4km az=56.0.
GUC VI 25 03 59 45.6–.60 25.66S 70.69W 58–44 3.9L
¶14989054

GUC Error ellipse: s-maj=1.7km s-min=13.8km az=-1.0.
IDC VI 26 20 00 40.6–.80 25.42S 70.84W 24–4 4.1L,3.9
¶16101762

IDC Error ellipse: s-maj=40.5km s-min=19.7km az=107.0.
ISC VI 26 22 52 30.0–.26 23.99S–.03 70.12W–.04 51–1 4.6b,3.9s 299 0-173
ISCJB VI 26 22 52 28.5–.36 24.01S–.02 70.08W–.05 52–3 4.6b,3.6s **¶13306885**
GUC VI 26 22 52 29.3–.58 23.94S 70.29W 65–3 4.7L,3.6s
NEIC VI 26 22 52 29.8–.23 23.99S 70.02W 50 4.5b,3.6s

IDC VI 26 22 52 30.2–.40 24.06S 70.11W 52–3 4.2b,4.2
BJI VI 26 22 52 31.9 24.00S 70.00W 50 5.1s,5.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=3.7km az=1.3.
GUC Error ellipse: s-maj=3.0km s-min=3.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.7km az=83.0. Felt [II] at Antofagasta.
IDC Error ellipse: s-maj=12.5km s-min=7.1km az=117.0.
ISC VI 27 06 27 50.5–1.7 20.46S–.02 70.46W–.05 18–8 4.4b,3.9s 96 1-160
GUC VI 27 06 27 51.4–.72 20.50S 70.51W 32–3 4.5L,3.9s **¶13306953**
NEIC VI 27 06 27 51.4 20.50S 70.51W 32 4.5L,4.4b
IDC VI 27 06 27 56.2–2.0 20.42S 70.31W 66–19 4.0,3.9
BJI VI 27 06 27 59.4 20.40S 70.10W 65 5.1s,4.7
ISC Event type se.
GUC Error ellipse: s-maj=1.3km s-min=4.4km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=20.5km s-min=14.4km az=73.0.
ISC VI 27 20 33 12.7–1.0 27.97S–.04 71.2W–.20 22–5 16 1-152
IDC VI 27 20 33 09.1–1.2 27.80S 71.57W 0 3.8,3.8b **¶13682159**
GUC VI 27 20 33 13.5–.53 27.94S 71.24W 24–4 3.8L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=46.5km s-min=26.7km az=86.0.
GUC Error ellipse: s-maj=1.4km s-min=5.2km az=-1.0.
GUC VI 28 16 14 53.8–.69 20.79S 70.21W 68–7 3.5L
¶14989190
GUC Error ellipse: s-maj=1.8km s-min=7.5km az=-1.0.
GUC VI 28 19 32 09.1–.52 21.18S 70.18W 32–2 3.8L
¶14989192
GUC Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0.
ISC VI 29 19 47 32.1–.80 27.39S–.04 70.68W–.08 51–6 32 0-151
ISCJB VI 29 19 47 30.6–.66 27.36S–.04 70.7W–.10 63–6 3.8b **¶13682269**
IDC VI 29 19 47 31.1–1.3 27.39S 70.92W 53–6 3.7,3.7
GUC VI 29 19 47 32.1–.55 27.39S 70.65W 50–8 4.4L,3.7
NEIC VI 29 19 47 32.1 27.39S 70.65W 50 4.4,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=6.3km az=0.8.
IDC Error ellipse: s-maj=37.9km s-min=12.8km az=83.0.
GUC Error ellipse: s-maj=4.1km s-min=5.4km az=-1.0.
NEIC Event type fe. Felt [II] at Copiapo. After GUC.

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ISC I 02 16 35 48.3–.67 22.77S–.06 68.65W–.05 102–5 3.8b 33 0-147
ISCJB I 02 16 35 47.9–.50 22.71S–.05 68.65W–.05 109–4 3.8b **¶12079834**
IDC I 02 16 35 49.5–.89 22.87S 68.48W 109–7 3.7,3.6b
GUC I 02 16 35 50.0–.51 22.73S 68.80W 90–2 4.4L,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=7.8km az=171.4.
IDC Error ellipse: s-maj=25.9km s-min=18.0km az=78.0.
GUC Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0.
ISC I 07 07 02 19.7–1.2 23.43S–.09 68.23W–.09 118–8 19 1-147
ISCJB I 07 07 02 18.3–.98 23.45S–.08 68.22W–.08 126–7 3.5b **¶12080614**
GUC I 07 07 02 19.6–.78 23.51S 68.29W 106–6 3.5L
IDC I 07 07 02 28.8–10 22.65S 67.77W 171–74 3.4,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=9.1km az=142.2.
GUC Error ellipse: s-maj=4.2km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=114.1km s-min=36.7km az=7.0.
ISC I 09 02 23 25.8–.60 24.31S–.05 69.46W–.08 76–5 4.2b 42 1-148
GUC I 09 02 23 23.9–.80 24.39S 69.36W 77–21 4.6L **¶12080795**
ISCJB I 09 02 23 25.1–.45 24.36S–.03 69.55W–.07 87–6 4.0b
IDC I 09 02 23 26.1–.63 24.25S 69.31W 78–5 4.1,3.9
ISC Event type ke.
GUC Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.1km az=4.2.
IDC Error ellipse: s-maj=21.2km s-min=14.7km az=92.0.
IDC I 09 20 35 40.0–8.7 22.16S 68.38W 69–60 3.8b,3.8
¶12080881
IDC Error ellipse: s-maj=93.5km s-min=39.8km az=37.0.
IDC I 12 04 13 28.5–7.6 20.53S 69.08W 105–52 3.2b,3.2
¶12081086
IDC Error ellipse: s-maj=73.0km s-min=40.3km az=53.0.
GUC I 14 05 35 23.6–.36 22.74S 69.05W 100–2 3.8L,3.7
¶14323107
GUC Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.
GUC I 16 01 14 25.6–.92 22.55S 68.84W 98–5 3.5L
¶14323124
GUC Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
GUC I 17 00 18 33.6–.64 27.46S 69.95W 84–6 4.3L
NEIC I 17 00 18 33.6 27.46S 69.95W 84 4.3 **¶13989156**
GUC Error ellipse: s-maj=2.9km s-min=8.8km az=-1.0.
NEIC Event type se. After GUC.
IDC I 18 13 29 10.6–2.5 22.81S 68.47W 79–23 3.3b,3.2
¶12081650
IDC Error ellipse: s-maj=40.7km s-min=18.0km az=104.0.
IDC I 19 05 25 05.2–2.9 22.91S 69.58W 0 3.6b,3.5
¶12081717
IDC Error ellipse: s-maj=59.7km s-min=54.1km az=102.0.
IDC I 20 18 38 26.2–2.0 20.72S 69.84W 0 4.0,3.8L
¶12081890
IDC Error ellipse: s-maj=56.0km s-min=33.4km az=9.0.
IDC I 21 00 50 25.7–3.0 21.55S 69.24W 0 3.8L,3.7
¶12081920
IDC Error ellipse: s-maj=77.3km s-min=55.9km az=102.0.
ISC I 21 10 25 06.2–.43 20.94S–.06 69.12W–.08 96–3 4.2b 253 5-158
NEIC I 21 10 25 06.6–.41 20.91S 69.00W 96 4.3b **¶12081959**
IDC I 21 10 25 07.5–.64 20.71S 69.03W 98–3 4.0,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.0km az=92.0.
IDC Error ellipse: s-maj=22.9km s-min=14.2km az=15.0.
IDC I 22 04 25 50.9–2.5 22.51S 68.20W 120–20 3.6b,3.6
¶12082032
IDC Error ellipse: s-maj=32.8km s-min=25.5km az=98.0.
IDC I 23 00 00 06.6–2.8 22.87S 69.96W 72–22 4.0b,3.9
¶12082088
IDC Error ellipse: s-maj=36.4km s-min=18.4km az=101.0.
ISC I 23 04 30 32.6–.56 22.20S–.07 68.5W–.10 115 4.2b 36 6-146
ISCJB I 23 04 30 31.5–.54 22.18S–.06 68.5W–.10 115 4.1b **¶12082099**
IDC I 23 04 30 31.9–2.3 22.13S 68.44W 100–20 4.2b,4.0
NEIC I 23 04 30 31.2–.78 22.13S 68.50W 94–7 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=8.1km az=7.3.
IDC Error ellipse: s-maj=31.2km s-min=19.5km az=112.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=6.9km az=99.0.
IDC I 23 05 06 06.1–2.0 22.74S 68.71W 0 4.0L,4.0
¶12082100
IDC Error ellipse: s-maj=53.2km s-min=36.5km az=14.0.
ISC I 28 04 02 09.3–.57 20.04S–.04 69.91W–.09 57–4 4.1b 58 0-152
IDC I 28 04 02 08.3–1.3 20.48S 69.84W 56–5 4.0,3.8 **¶11657452**
ISCJB I 28 04 02 09.0–.36 20.05S–.03 69.88W–.08 71–3 3.9b,3.8
NEIC I 28 04 02 09.5 20.07S 69.97W 57 4.0b,3.8
GUC I 28 04 02 09.5–1.0 20.07S 69.97W 57–5 4.3L,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=46.4km s-min=21.5km az=11.0.
ISCJB Event type fe. Error ellipse: s-maj=12.2km s-min=5.0km az=170.2.
NEIC Event type fe. Felt [III] at Alto Hospicio and [II] at Huara, Pica, Pisagua and Pozo Almonte. After GUC.
GUC Error ellipse: s-maj=2.8km s-min=8.7km az=-1.0.
ISC I 28 06 15 58.7–.85 22.19S–.05 68.66W–.06 117–8 21 1-92
ISCJB I 28 06 15 58.6–.60 22.21S–.05 68.74W–.06 124–5 3.5b **¶12082551**
GUC I 28 06 15 59.5–1.1 22.25S 68.77W 113–7 3.7L,3.6
IDC I 28 06 16 04.9–11 21.61S 68.47W 142–82 3.4,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=7.7km az=169.5.
GUC Error ellipse: s-maj=3.5km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=105.7km s-min=50.6km az=20.0.
ISC I 31 16 29 36.7–.20 19.47S–.03 69.16W–.04 105 5.4b 1577 1-172
ISCJB I 31 16 29 35.7–.17 19.37S–.03 69.13W–.03 102 5.4b **¶11657514**
NEIC I 31 16 29 36.9–.16 19.41S 69.07W 102 5.4b,5.4W
GUC I 31 16 29 36.7–.38 19.63S 69.44W 100–3 5.6L,5.4W
LDG I 31 16 29 37.4–.37 19.26S 69.02W 106 5.1b,4.2s
IDC I 31 16 29 37.1–.34 19.49S 69.16W 106–2 5.0,5.0
MOS I 31 16 29 37.4–1.1 19.05S 69.04W 105 5.4b,5.0
BJI I 31 16 29 38.7 19.40S 69.00W 102 5.5b,5.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=34.1.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.8km az=51.0. Felt [IV] at Alto Hospicio, Camina, Huara, Iquique, Pica and Pozo Almonte; [III] at Arica, Camarones and Pisagua. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.79 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$1.04 $M_{r\theta}$-0.58 $M_{\theta\phi}$0.06 $M_{\phi r}$-1.30 Best double couple: NP1:ϕ_s159.00000°,δ20.00000°,λ-131.00000°. NP2:ϕ_s21.00000°,δ75.00000°,λ-76.00000°. Principal axes: T 1.7700,Plg28.0000° ,Azm100.0000°; N -0.1300,Plg13.0000°,Azm197.0000°; P -1.6400,Plg58.0000° ,Azm309.0000° $M_0$1.70000×10^{17}
GUC Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=22.1km s-min=12.5km az=34.0.
IDC Error ellipse: s-maj=9.2km s-min=8.2km az=45.0.
MOS Error ellipse: s-maj=15.6km s-min=6.5km az=115.2.
ISC II 01 01 00 26.3–.46 20.50S–.07 69.00W–.08 97–3 4.6b 383 4-173
ISCJB II 01 01 00 23.3–1.5 20.43S–.05 68.91W–.07 81–13 4.5b **¶11667195**
IDC II 01 01 00 26.3–.60 20.45S 69.00W 94–4 4.3,4.2
NEIC II 01 01 00 27.3–.64 20.52S 68.87W 105–5 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=7.4km az=143.6.
IDC Error ellipse: s-maj=18.0km s-min=14.5km az=28.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.0km az=71.0.
IDC II 02 02 36 25.7–2.6 22.35S 68.75W 0 4.5L,4.1
¶15954880
IDC Error ellipse: s-maj=97.7km s-min=51.5km az=176.0.
GUC II 02 11 44 41.8–.89 26.20S 69.25W 90–34 3.9L
¶14323372
GUC Error ellipse: s-maj=2.8km s-min=19.3km az=-1.0.
ISC II 04 08 54 18.7–.94 21.28S–.03 69.83W–.10 58–9 20 0-91
ISCJB II 04 08 54 17.7–.49 21.28S–.03 69.79W–.10 68–5 3.3b **¶12699522**
IDC II 04 08 54 17.6–5.0 21.35S 69.80W 53–45 3.9L,3.5
GUC II 04 08 54 18.5–.87 21.22S 70.05W 35–3 4.1L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=5.2km az=3.1.
IDC Error ellipse: s-maj=64.4km s-min=28.9km az=114.0.
GUC Error ellipse: s-maj=1.7km s-min=5.2km az=-1.0.
ISC II 05 00 06 28.7–.95 22.7S–.10 68.46W–.10 138 3.6b 11 1-92
IDC II 05 00 06 08.7–2.6 23.47S 68.87W 0 4.6L,3.9 **¶12699567**
ISCJB II 05 00 06 27.3–.72 22.6S–.10 68.37W–.08 138 3.5b,3.9
GUC II 05 00 06 29.1–.41 22.77S 68.53W 125 3.3L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=86.6km s-min=45.4km az=180.0.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=8.0km az=160.7.
GUC Error ellipse: s-maj=3.0km s-min=5.7km az=-1.0.
ISC II 05 09 19 05.0–.37 22.98S–.04 68.66W–.04 106–3 4.6b 156 0-155
GUC II 05 09 19 04.5–.93 22.91S 68.74W 103–7 4.8L **¶12699586**
NEIC II 05 09 19 04.5 22.91S 68.74W 103 4.7b
IDC II 05 09 19 05.3–.46 22.89S 68.53W 107–3 4.3b,4.2
ISC Event type fe.
GUC Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
NEIC Event type fe. Felt at Calama. After GUC.
IDC Error ellipse: s-maj=17.1km s-min=13.0km az=56.0.
IDC II 06 15 54 42.4–7.4 19.09S 69.97W 0 4.0,3.7
¶15955149
IDC Error ellipse: s-maj=319.8km s-min=65.7km az=21.0.
GUC II 07 06 39 32.5–.84 23.05S 68.79W 98–6 3.5,3.4L
¶14323437
GUC Error ellipse: s-maj=3.6km s-min=3.2km az=-1.0.
ISC II 07 08 24 27.3–.82 19.64S–.05 69.2W–.10 99 15 2-152
IDC II 07 08 24 25.1–4.5 19.65S 69.36W 76–39 4.3L,3.8 **¶12699718**
ISCJB II 07 08 24 26.2–.63 19.66S–.04 69.24W–.08 99 3.6b,3.8
GUC II 07 08 24 29.6–.52 19.92S 70.17W 5–7 3.7L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=49.2km s-min=30.9km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.0km az=5.9.
GUC Error ellipse: s-maj=2.2km s-min=19.1km az=-1.0.
GUC II 09 09 53 28.8–.61 22.65S 68.80W 97–3 3.5L
¶14323459
GUC Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0.
GUC II 09 14 45 23.9–.37 22.34S 68.88W 97–2 3.7L
¶14323461
GUC Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0.
ISC II 09 21 49 18.1–.75 22.74S–.08 68.10W–.06 114–5 4.0b 43 0-155
IDC II 09 21 49 13.5–3.0 22.92S 68.13W 76–26 3.9,3.8b **¶12699870**
GUC II 09 21 49 18.9–.44 22.73S 68.23W 110–2 3.8L,3.8
NEIC II 09 21 49 18.9 22.73S 68.23W 110 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=17.5km az=114.0.
GUC Error ellipse: s-maj=3.2km s-min=2.4km az=-1.0.
NEIC Event type se. After GUC.
ISC II 10 23 42 44.4–.71 22.79S–.08 68.02W–.07 118–6 3.9b 26 0-146
ISCJB II 10 23 42 43.6–.50 22.77S–.07 68.00W–.07 124–5 3.8b **¶12699943**
IDC II 10 23 42 43.5–2.8 22.78S 67.91W 103–25 3.8,3.7
GUC II 10 23 42 45.3–.76 22.83S 68.23W 119–5 3.8L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=8.0km az=43.9.
IDC Error ellipse: s-maj=22.4km s-min=19.4km az=103.0.
GUC Error ellipse: s-maj=5.3km s-min=5.4km az=-1.0.
IDC II 11 22 21 27.3–4.2 23.91S 68.00W 168–31 3.5,3.5b
¶15955502
IDC Error ellipse: s-maj=64.5km s-min=26.8km az=118.0.
IDC II 13 12 47 14.0–2.2 22.08S 68.05W 107–20 4.0,3.8
¶15955924
IDC Error ellipse: s-maj=26.0km s-min=17.9km az=111.0.
GUC II 16 11 47 10.7–.49 19.97S 69.25W 105–4 3.5L
¶14323530
GUC Error ellipse: s-maj=1.6km s-min=5.5km az=-1.0.
IDC II 18 17 21 47.1–2.7 22.09S 69.69W 0 4.1b,3.9
¶15956574
IDC Error ellipse: s-maj=59.1km s-min=56.5km az=41.0.
GUC II 19 14 42 56.9–.49 23.35S 68.41W 123–5 3.6L
¶14323564
GUC Error ellipse: s-maj=6.6km s-min=5.3km az=-1.0.
IDC II 19 15 43 09.1–2.7 19.59S 69.22W 111–21 3.8,3.8b
¶15956719
IDC Error ellipse: s-maj=27.6km s-min=21.3km az=93.0.
ISC II 20 06 06 50.5–.65 19.70S–.04 69.02W–.06 107–6 4.3b 386 1-152
ISCJB II 20 06 06 49.5–.36 19.67S–.03 68.99W–.05 110–3 4.2b **¶12701315**
NEIC II 20 06 06 50.9–.43 19.71S 68.98W 110–4 4.3b
GUC II 20 06 06 50.6–.95 19.73S 69.22W 114–9 4.8L
IDC II 20 06 06 52.1–2.2 19.68S 68.94W 123–18 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.1km az=166.8.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.6km az=54.0.
GUC Error ellipse: s-maj=3.6km s-min=10.5km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=13.8km az=36.0.
IDC II 27 16 48 36.0–2.7 20.91S 69.51W 0 3.8,3.7L
¶15957463
IDC Error ellipse: s-maj=61.3km s-min=51.2km az=173.0.
GUC III 03 04 34 50.7–.78 22.52S 68.84W 104–7 3.5L
¶14693215

GUC Error ellipse: s-maj=4.6km s-min=3.0km az=-1.0.
ISC III 03 23 25 04.5–.91 22.96S–.06 68.40W–.07 128–7 19 0-93
IDC III 03 23 25 03.6–2.0 22.97S 68.09W 107–19 3.6,3.5b ¶12702388
ISCJB III 03 23 25 04.2–.63 22.92S–.05 68.40W–.07 133–5 3.5b,3.5b
GUC III 03 23 25 05.9–.95 22.95S 68.53W 117–5 3.8L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=31.2km s-min=15.2km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=8.8km az=5.9.
GUC Error ellipse: s-maj=7.3km s-min=4.4km az=-1.0.
IDC III 04 16 28 09.5–4.3 21.00S 69.93W 0 3.7b,3.6
¶12702436
IDC Error ellipse: s-maj=137.8km s-min=62.8km az=92.0.
IDC III 04 19 47 37.3–2.6 22.79S 68.66W 0 4.0,3.9b
¶12702450
IDC Error ellipse: s-maj=81.3km s-min=51.5km az=54.0.
ISC III 05 01 20 44.8–.76 22.01S–.04 68.56W–.06 125–6 3.6b 30 1-92
IDC III 05 01 20 42.5–2.2 22.26S 68.45W 108–20 3.6,3.5 ¶12702466
ISCJB III 05 01 20 43.8–.49 22.02S–.04 68.57W–.06 131–5 3.5b,3.5
GUC III 05 01 20 45.4–.80 22.09S 68.66W 119–4 4.0L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=19.2km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.1km az=174.6.
GUC Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0.
IDC III 05 04 53 14.5–2.5 20.47S 69.85W 0 3.8b,3.8
¶12702474
IDC Error ellipse: s-maj=61.7km s-min=47.6km az=176.0.
ISC III 07 00 00 26.1–.57 27.15S–.04 69.91W–.10 95–4 3.8b 33 0-159
GUC III 07 00 00 26.4–1.6 27.27S 70.08W 103–14 4.5L ¶12702599
IDC III 07 00 00 26.6–.58 27.14S 69.86W 94–4 3.9,3.7
ISC Event type ke.
GUC Error ellipse: s-maj=7.1km s-min=23.2km az=-1.0.
IDC Error ellipse: s-maj=30.5km s-min=12.3km az=78.0.
ISC III 09 22 48 15.0–.44 23.09S–.05 68.63W–.04 101–3 4.1b 209 0-155
ISCJB III 09 22 48 13.6–.39 23.11S–.04 68.58W–.05 101–2 4.0b ¶12702824
NEIC III 09 22 48 14.3 23.10S 68.73W 95 4.2b
GUC III 09 22 48 14.3–.66 23.10S 68.73W 95–4 4.8L
IDC III 09 22 48 15.3–.51 23.00S 68.53W 101–4 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=6.2km az=155.4.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.6km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=16.3km s-min=14.1km az=80.0.
ISC III 11 23 45 01.7–.61 22.64S–.07 68.50W–.07 106–5 3.6b 26 0-146
ISCJB III 11 23 45 01.3–.49 22.58S–.07 68.59W–.06 121–5 3.5b ¶12703030
GUC III 11 23 45 01.3–.93 22.28S 68.75W 95–13 4.4L
IDC III 11 23 45 02.1–.78 22.53S 68.42W 102–5 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=8.6km az=157.4.
GUC Error ellipse: s-maj=14.8km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=21.4km s-min=19.2km az=65.0.
ISC III 12 21 03 31.2–.44 22.24S–.04 68.86W–.04 100–3 4.5b 83 0-154
ISCJB III 12 21 03 30.0–.37 22.24S–.04 68.89W–.06 112–4 4.4b ¶12703112
NEIC III 12 21 03 31.5 22.26S 68.94W 98 4.7b
GUC III 12 21 03 31.5–.53 22.26S 68.94W 98–2 4.5L
IDC III 12 21 03 32.0–.69 22.34S 68.62W 98–4 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.9km az=176.8.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.5km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=19.6km s-min=18.2km az=106.0.
IDC III 21 07 38 38.7–7.2 18.41S 69.56W 157–45 3.5b,3.4
¶12635162
IDC Error ellipse: s-maj=78.1km s-min=67.0km az=35.0.
IDC III 21 10 58 56.9–3.2 21.83S 69.02W 0 3.6L,3.6
¶12635176
IDC Error ellipse: s-maj=78.7km s-min=54.9km az=92.0.
IDC III 23 16 00 23.2–.88 19.54S 69.21W 100–6 3.9,3.7
¶12635397
IDC Error ellipse: s-maj=22.9km s-min=20.7km az=29.0.
ISC III 24 15 39 33.7–1.1 22.85S–.07 68.67W–.06 101–8 15 0-147
IDC III 24 15 39 21.0–5.2 23.45S 68.17W 0 4.4b,3.7 ¶12635479
ISCJB III 24 15 39 33.0–.88 22.83S–.06 68.67W–.06 115–7 4.0b,3.7
GUC III 24 15 39 33.9–.66 22.95S 68.78W 95–4 3.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=152.7km s-min=54.7km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=9.0km az=152.0.
GUC Error ellipse: s-maj=4.4km s-min=2.7km az=-1.0.
GUC III 24 21 40 08.9–1.3 23.18S 69.83W 56–14 4.0L
¶14693466
GUC Error ellipse: s-maj=4.6km s-min=9.9km az=-1.0.
ISC III 24 22 29 57.4–.44 22.10S–.04 68.76W–.05 107–3 4.3b 90 1-154
ISCJB III 24 22 29 56.3–.40 22.18S–.04 68.80W–.06 115–4 4.0b ¶12635496
GUC III 24 22 29 56.9–.60 22.18S 68.85W 106–3 4.6L
NEIC III 24 22 29 56.9 22.18S 68.85W 106 4.2b
IDC III 24 22 29 57.5–.58 22.18S 68.60W 106–4 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.4km az=167.4.
GUC Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=17.9km s-min=15.3km az=76.0.
ISC III 27 17 26 43.0–.19 19.17S–.03 69.43W–.04 116 5.3b 1132 0-179
MOS III 27 17 26 41.2–1.1 18.93S 69.18W 106 5.6b ¶12062614
SZGRF III 27 17 26 41.1 18.66S 68.91W 33 5.5b,4.6s
ISCJB III 27 17 26 41.8–.13 19.05S–.02 69.31W–.03 115 5.3b,4.6s
NEIC III 27 17 26 42.9–.16 19.08S 69.21W 115 5.4b,4.6s
GUC III 27 17 26 42.9–.86 19.21S 69.56W 115–5 5.7L,4.6s
IDC III 27 17 26 43.8–.43 19.07S 69.34W 118–3 4.9,4.8
LDG III 27 17 26 43.2–.34 18.61S 69.26W 120 5.3b,4.2s
BJI III 27 17 26 45.3 19.00S 69.20W 114 5.3b,4.2s
GCMT III 27 17 26 46.2–.20 19.27S 69.70W 132–1 5.4W,4.2s
ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=6.2km az=106.5.
SZGRF Chile-Bolivia border region.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=154.8.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.1km az=71.0. Felt [IV] at Pica; [III] at Alto Hospicio, Camina, Colchane, Huara, Iquique and Pozo Almonte; [II] at Arica, Pisagua and Putre. Felt [II] at Tacna, Peru.
GUC Error ellipse: s-maj=3.2km s-min=7.9km az=-1.0.
IDC Error ellipse: s-maj=11.9km s-min=10.2km az=37.0.
LDG Event type ke. Error ellipse: s-maj=20.4km s-min=11.1km az=39.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s80,c130; s93,c156; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.63±.03 $M_{\theta\theta}$-0.16±.03; $M_{\phi\phi}$0.78±.04; $M_{r\theta}$0.03±.02; $M_{\theta\phi}$-0.02±.03; $M_{\phi r}$-1.43±.02; Best double couple: NP1:ϕ_s179.00000°,δ13.00000°,λ-90.00000°. NP2:ϕ_s359.00000°,δ77.00000°,λ-90.00000°. Principal axes: T 1.6700,Plg32.0000° ,Azm89.0000°; N -0.1600,Plg0.0000°,Azm359.0000°; P -1.5200,Plg58.0000°,Azm269.0000° M_o1.60000×10^{17}
IDC III 27 19 52 01.8–6.9 19.09S 69.11W 142–45 3.5,3.4b
¶12635718
IDC Error ellipse: s-maj=72.9km s-min=34.6km az=39.0.
IDC III 30 08 34 44.0–2.6 18.64S 69.39W 121–20 3.7,3.5b
¶12635930
IDC Error ellipse: s-maj=30.2km s-min=20.0km az=21.0.
IDC IV 01 06 34 15.2–2.6 21.00S 69.58W 0 3.8,3.7b
¶16152211
IDC Error ellipse: s-maj=68.7km s-min=56.2km az=48.0.
IDC IV 04 15 06 58.3–.79 19.74S 69.52W 51–5 3.8,3.7
¶16152373
IDC Error ellipse: s-maj=34.0km s-min=26.6km az=121.0.
IDC IV 05 06 08 37.1–2.1 22.28S 68.87W 0 3.9,3.9L
¶16152403
IDC Error ellipse: s-maj=53.3km s-min=51.2km az=13.0.

ISC IV 06 02 37 34.0–.86 22.52S–.06 69.11W–.06 110–7 3.7b 24 0-147
ISCJB IV 06 02 37 33.5–.59 22.44S–.05 69.11W–.06 111–5 3.9b ¶12934686
IDC IV 06 02 37 33.9–2.8 22.68S 68.80W 83–25 3.6b,3.5
GUC IV 06 02 37 34.7–.71 22.52S 69.17W 86–4 4.0L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=8.3km az=158.3.
IDC Error ellipse: s-maj=58.7km s-min=19.8km az=100.0.
GUC Error ellipse: s-maj=1.9km s-min=2.2km az=-1.0.
IDC IV 09 03 20 11.6–2.5 22.94S 68.70W 0 3.6,3.6b
¶16152573
IDC Error ellipse: s-maj=58.0km s-min=51.6km az=40.0.
ISC IV 09 22 49 12.0–1.1 26.04S–.06 69.3W–.10 101 3.6b 12 2-149
IDC IV 09 22 49 05.2–1.1 26.06S 68.91W 0 4.0,3.8 ¶12934854
GUC IV 09 22 49 06.1–.63 26.19S 69.08W 153–26 4.3L,3.8
ISCJB IV 09 22 49 11.5–.70 26.02S–.04 69.26W–.09 101 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC IV 10 22 04 18.7–2.0 23.61S 68.99W 0 4.0b,4.0
¶16152641
IDC Error ellipse: s-maj=51.4km s-min=41.3km az=3.0.
IDC IV 11 05 07 57.3–2.4 20.78S 69.61W 0 4.1,3.9
¶16152651
IDC Error ellipse: s-maj=58.5km s-min=46.5km az=1.0.
IDC IV 14 02 28 23.0–1.2 20.15S 69.09W 117–7 3.8,3.6
¶16152781
IDC Error ellipse: s-maj=34.1km s-min=18.4km az=20.0.
IDC IV 15 23 03 02.6–3.1 22.03S 68.14W 115–31 3.7b,3.5
¶16152826
IDC Error ellipse: s-maj=54.2km s-min=28.8km az=115.0.
ISC IV 16 17 43 31.5–.32 19.37S–.03 69.82W–.06 67–2 4.8b 637 0-172
ISCJB IV 16 17 43 30.3–.32 19.28S–.03 69.75W–.05 69–3 4.7b ¶12601065
GUC IV 16 17 43 31.4–.41 19.41S 69.94W 70–1 5.6L
NEIC IV 16 17 43 31.5–.15 19.37S 69.74W 68 4.9b
IDC IV 16 17 43 32.0–.43 19.25S 69.69W 70–3 4.6s,4.6
BJI IV 16 17 43 33.6 19.30S 69.60W 66 5.4s,5.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=3.9km az=152.4.
GUC Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.5km az=69.0. Felt [IV] at Arica, Camina, Codpa, Cuya, Huara, Iquique and Pozo Almonte; [III] at Pisagua. Felt [III] at Tacna, Peru.
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=41.0.
ISC IV 17 03 20 06.4–.69 27.02S–.05 69.90W–.09 95–6 40 1-151
ISCJB IV 17 03 20 05.1–.63 27.04S–.04 69.9W–.10 101–10 4.1b ¶12935518
IDC IV 17 03 20 06.8–1.5 27.04S 69.83W 97–6 4.0b,3.6
GUC IV 17 03 20 07.4–.42 27.14S 70.02W 96–4 3.9L,3.6
NEIC IV 17 03 20 07.4 27.14S 70.02W 96 4.1b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=7.0km az=178.4.
IDC Error ellipse: s-maj=66.6km s-min=15.0km az=80.0.
GUC Error ellipse: s-maj=3.0km s-min=9.2km az=-1.0.
NEIC Event type se. After GUC.
IDC IV 17 15 38 28.9–5.4 22.26S 68.17W 0 4.3,4.3s
¶16152928
IDC Error ellipse: s-maj=161.0km s-min=55.4km az=67.0.
ISC IV 18 15 29 19.9–.28 23.29S–.04 68.42W–.04 116–2 4.8b 856 0-175
ISCJB IV 18 15 29 17.4–.43 23.29S–.03 68.32W–.04 105–3 4.8b ¶12610218
NEIC IV 18 15 29 19.8–.22 23.29S 68.30W 116 4.9b
GUC IV 18 15 29 20.0–.54 23.27S 68.56W 107–4 5.5L
IDC IV 18 15 29 20.5–.35 23.15S 68.23W 116–2 4.6,4.5
GCMT IV 18 15 29 25.8–.30 23.34S 68.55W 146–2 5.1W,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.7km az=149.7.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.6km az=58.0. Felt [IV] at Peine; [III] at Calama, Mejillones, San Pedro de Atacama and Sierra Gorda; [II] at Tocopilla.
GUC Error ellipse: s-maj=2.5km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=10.2km s-min=9.0km az=57.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s41,c49; s70,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.40±.17 $M_{\theta\theta}$0.07±.23; $M_{\phi\phi}$3.33±.23; $M_{r\theta}$2.43±.14; $M_{\theta\phi}$-5.40±.18; $M_{\phi r}$-0.40±.18; Best double couple: NP1:ϕ_s182.00000°,δ54.00000°,λ-27.00000°. NP2:ϕ_s288.00000°,δ69.00000°,λ-141.00000°. Principal axes: T 7.6300,Plg9.0000° ,Azm52.0000°; N -2.1200,Plg46.0000°,Azm312.0000°; P -5.5100,Plg42.0000° ,Azm151.0000° M_o6.60000×10^{16}
GUC IV 19 11 36 46.2–.51 27.13S 69.12W 100 4.1L
¶14694400
GUC Error ellipse: s-maj=4.9km s-min=5.1km az=-1.0.
ISC IV 20 05 35 33.8–1.2 20.62S–.06 69.9W–.20 55–10 13 0-145
IDC IV 20 05 35 25.8–4.9 21.42S 69.30W 0 3.6,3.6b ¶12935767
GUC IV 20 05 35 33.2–.56 20.65S 69.90W 50–4 3.8L,3.6b
ISCJB IV 20 05 35 33.9–1.1 20.67S–.05 70.1W–.20 41–21 3.5b,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 22 05 56 19.0–.47 20.38S–.04 69.10W–.06 97–4 4.2b 70 1-152
ISCJB IV 22 05 56 17.6–.41 20.38S–.04 69.02W–.07 97–5 4.0b ¶12935971
NEIC IV 22 05 56 18.7 20.42S 69.30W 99 4.7
GUC IV 22 05 56 18.7–.55 20.42S 69.30W 99–5 4.7L
IDC IV 22 05 56 19.7–.65 20.41S 68.88W 101–5 4.1,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=5.8km az=173.6.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=3.7km s-min=11.4km az=-1.0.
IDC Error ellipse: s-maj=18.3km s-min=12.1km az=86.0.
GUC IV 25 11 17 04.8–.53 27.95S 69.34W 116–11 3.5,3.4L
¶14694629
GUC Error ellipse: s-maj=2.2km s-min=11.6km az=-1.0.
GUC IV 25 11 24 54.2–.55 23.36S 69.28W 96–5 3.7L,3.5
¶14694630
GUC Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0.
IDC IV 26 04 04 24.2–2.6 22.53S 68.77W 0 3.7,3.6L
¶16154505
IDC Error ellipse: s-maj=56.8km s-min=52.8km az=36.0.
ISC IV 27 01 06 26.4–.84 22.37S–.05 68.53W–.07 112–7 3.6b 21 0-92
IDC IV 27 01 06 17.1–2.9 23.12S 68.70W 52–25 3.6,3.6b ¶12936326
ISCJB IV 27 01 06 25.3–.56 22.42S–.05 68.58W–.06 121–5 3.8b,3.6b
GUC IV 27 01 06 26.2–1.1 22.46S 68.63W 111–6 3.8L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=38.9km s-min=28.0km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=8.0km az=171.1.
GUC Error ellipse: s-maj=4.0km s-min=4.2km az=-1.0.
IDC IV 28 13 32 38.4–2.8 22.91S 68.87W 0 3.8L,3.6
¶16154589
IDC Error ellipse: s-maj=58.6km s-min=56.1km az=50.0.
IDC IV 29 20 45 32.6–1.0 18.11S 69.45W 121–6 4.0,4.0b
¶16154645
IDC Error ellipse: s-maj=28.4km s-min=19.0km az=18.0.
ISC V 01 10 43 36.0–1.1 19.56S–.02 69.25W–.04 6–7 4.8b,3.9s 191 1-172
ISCJB V 01 10 43 35.0–.21 19.51S–.03 69.11W–.04 10 4.7b,3.9s ¶12746051
IDC V 01 10 43 35.6–.47 19.36S 69.07W 0 4.6,4.6
NEIC V 01 10 43 36.8–.23 19.52S 69.16W 10 5.3L,4.8b
GUC V 01 10 43 36.8–.38 19.57S 69.26W 19–3 5.3L,4.8b
BJI V 01 10 43 37.8 19.50S 68.90W 10 5.4s,5.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.5km az=165.3.
IDC Error ellipse: s-maj=19.0km s-min=12.3km az=56.0.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.9km az=74.0. Felt [III] at Arica and [II] at Pozo Almonte. Also felt at Iquique.
GUC Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0.
ISC V 01 12 49 10.5–.76 20.07S–.03 69.28W–.08 126–7 4.0b 39 1-90
IDC V 01 12 49 09.4–4.2 20.17S 69.09W 114–30 3.7,3.6 ¶13678178
ISCJB V 01 12 49 09.7–.47 20.08S–.04 69.23W–.09 131–5 3.7b,3.6
GUC V 01 12 49 10.6–.82 20.12S 69.31W 123–5 4.1L,3.6
NEIC V 01 12 49 10.6 20.12S 69.31W 123 4.1,3.6

ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=18.6km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=5.9km az=174.0.
GUC Error ellipse: s-maj=2.3km s-min=8.4km az=-1.0.
NEIC Event type se. After GUC.
ISC V 01 20 38 43.6–.43 22.55S–.04 69.26W–.04 98–3 4.3b 87 0-147
ISCJB V 01 20 38 41.5–.46 22.66S–.04 69.07W–.06 88–5 4.3b **¶13678196**
IDC V 01 20 38 43.3–.63 22.61S 69.06W 91–5 4.2,4.1b
NEIC V 01 20 38 43.4–.39 22.65S 69.10W 96 4.3b,4.1b
GUC V 01 20 38 43.3–.54 22.53S 69.35W 92–4 4.7L,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.2km az=16.9.
IDC Error ellipse: s-maj=20.0km s-min=16.2km az=118.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.9km az=94.0.
GUC Error ellipse: s-maj=1.5km s-min=1.7km az=-1.0.
GUC V 05 18 55 33.0–.61 20.81S 69.15W 106–6 3.7L
¶14761451
GUC Error ellipse: s-maj=1.5km s-min=5.2km az=-1.0.
ISC V 10 00 36 32.1–.44 19.46S–.03 69.14W–.05 116–4 3.9b 105 1-151
ISCJB V 10 00 36 30.5–.38 19.42S–.04 69.01W–.06 114–4 4.0b **¶13678635**
NEIC V 10 00 36 32.0 19.49S 69.22W 115 4.0b
GUC V 10 00 36 32.0–.39 19.49S 69.22W 115–3 4.7L
IDC V 10 00 36 33.0–.66 19.49S 68.93W 121–5 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.7km az=159.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.5km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=14.7km s-min=11.8km az=92.0.
ISC V 10 07 47 50.3–.77 21.45S–.05 69.2W–.10 83–5 3.6b 23 0-146
IDC V 10 07 47 49.6–1.1 21.66S 69.20W 85–6 3.7,3.5 **¶13678659**
GUC V 10 07 47 49.9–.64 21.47S 69.32W 81–4 3.9L,3.5
ISCJB V 10 07 47 49.4–.53 21.45S–.05 69.2W–.10 90–5 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC V 10 08 04 44.1–.00 19.83S–.04 69.5W–.10 109–9 15 1-89
GUC V 10 08 04 43.3–.94 19.87S 69.57W 111–8 3.6L **¶13678661**
ISCJB V 10 08 04 43.4–.66 19.82S–.04 69.5W–.10 114–7 3.4b
IDC V 10 08 04 50.5–8.2 19.39S 69.30W 150–55 3.3,3.2b
ISC Event type ke.
GUC Error ellipse: s-maj=3.5km s-min=9.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=6.5km az=175.5.
IDC Error ellipse: s-maj=80.4km s-min=55.3km az=26.0.
ISC V 10 16 44 02.5–.92 25.16S–.06 69.6W–.10 98 15 2-149
GUC V 10 16 44 02.6–.48 25.20S 69.54W 77–75 3.9L **¶13678692**
ISCJB V 10 16 44 02.0–.90 25.17S–.05 69.6W–.10 98 3.9b
IDC V 10 16 44 03.1–8.9 25.85S 69.12W 93–7 3.8,3.8
ISC Event type ke.
GUC Error ellipse: s-maj=4.2km s-min=20.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=6.7km az=9.6.
IDC Error ellipse: s-maj=471.3km s-min=69.8km az=9.0.
ISC V 11 12 53 12.4–1.0 22.60S–.06 68.4W–.10 128–9 18 0-146
ISCJB V 11 12 53 11.3–.78 22.60S–.05 68.4W–.10 135–8 3.2b **¶13678749**
GUC V 11 12 53 12.6–.83 22.62S 68.56W 125–5 3.8L
IDC V 11 12 53 16.5–5.9 21.88S 68.28W 145–45 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=8.9km az=4.8.
GUC Error ellipse: s-maj=3.4km s-min=7.8km az=-1.0.
IDC Error ellipse: s-maj=47.3km s-min=37.5km az=82.0.
ISC V 12 05 07 05.5–.32 20.07S–.03 69.08W–.05 100–2 5.1b 454 1-173
ISCJB V 12 05 07 03.2–.40 19.96S–.03 68.92W–.04 87–4 5.0b **¶12818722**
MOS V 12 05 07 03.9–.95 19.90S 68.91W 92 5.3b
IDC V 12 05 07 06.0–.46 20.10S 69.03W 100–3 4.8,4.8
GUC V 12 05 07 05.5–.56 20.18S 69.31W 103–6 5.3L,4.8
NEIC V 12 05 07 06.2–.17 20.06S 68.91W 104 5.1b,4.8
BJI V 12 05 07 06.4 20.00S 68.70W 104 5.2b,4.8
GCMT V 12 05 07 11.7–.30 20.14S 69.32W 121–4 5.1W,4.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.0km az=150.4.
MOS Error ellipse: s-maj=10.8km s-min=6.9km az=106.8.
IDC Error ellipse: s-maj=13.3km s-min=11.3km az=71.0.
GUC Error ellipse: s-maj=1.7km s-min=6.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.9km az=66.0. Felt [IV] at Alto Hospicio, Camina, Huara and Pozo Almonte and [III] at Cuya, Iquique, Pica and Pisagua.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s30,c31; s68,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.77±.23 $M_{\theta\theta}$0.83±.26; $M_{\phi\phi}$1.95±.33; $M_{r\theta}$2.99±.13; $M_{\theta\phi}$-1.77±.20; $M_{\theta r}$-3.11±.18; Best double couple: NP1:ϕ_s153.00000°,δ18.00000°,λ-75.00000°. NP2:ϕ_s317.00000°,δ73.00000°,λ-95.00000°. Principal axes: T 5.4800,Plg28.0000° ,Azm51.0000°; N -0.4200,Plg4.0000°,Azm319.0000°; P -5.0500,Plg62.0000°,Azm220.0000° M_o5.30000×10^{16}
ISC V 13 23 03 44.5–.82 20.27S–.04 69.24W–.10 105–8 22 1-131
ISCJB V 13 23 03 44.6–.59 20.29S–.03 69.3W–.10 115–6 3.7b **¶13678905**
GUC V 13 23 03 44.4–.31 20.27S 69.26W 105–2 4.1L
IDC V 13 23 03 46.4–2.6 20.33S 68.75W 125–24 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=5.5km az=177.5.
GUC Error ellipse: s-maj=1.1km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=34.9km s-min=19.5km az=82.0.
ISC V 17 04 44 17.4–.44 19.90S–.03 69.10W–.05 103–4 4.2b 125 1-152
ISCJB V 17 04 44 16.1–.35 19.90S–.03 69.05W–.05 105–3 4.1b **¶12860580**
IDC V 17 04 44 18.0–.72 19.86S 68.97W 106–5 4.1,4.0
NEIC V 17 04 44 17.5 20.00S 69.29W 106 4.2b,4.0
GUC V 17 04 44 17.5–.28 20.00S 69.29W 106–2 4.8L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.2km az=168.2.
IDC Error ellipse: s-maj=18.3km s-min=12.0km az=32.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=0.9km s-min=3.0km az=-1.0.
ISC V 17 12 35 22.0–.20 27.22S–.03 69.74W–.05 99–1 5.2b 786 1-177
ISCJB V 17 12 35 19.7–.42 27.17S–.03 69.66W–.04 83–3 5.1b **¶12828761**
GUC V 17 12 35 20.2–.68 27.21S 69.99W 106–6 5.7L
NEIC V 17 12 35 21.9–.13 27.23S 69.64W 94 5.2b
BJI V 17 12 35 21.9 27.20S 69.60W 93 5.2b
IDC V 17 12 35 22.4–.27 27.23S 69.75W 97–2 4.8,4.8
MOS V 17 12 35 22.5–1.0 26.99S 69.64W 101 5.2b,4.8
GCMT V 17 12 35 25.2–.20 27.39S 70.24W 102–1 5.2W,4.8
DJA V 17 12 35 59.6–10 29S–43 69W–31 375–90 5.3,5.3b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Copiapo; [IV] at El Salvador and Tierra Amarilla; [III] at Caldera, Diego de Almagro and Vallenar; [II] at Alto del Carmen, Chanaral, Freirina and Huasco.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s65,c88; s77,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.62±.17 $M_{\theta\theta}$1.79±.17; $M_{\phi\phi}$5.83±.22; $M_{r\theta}$-1.92±.14; $M_{\theta\phi}$-0.58±.19; $M_{\theta r}$4.01±.18; Best double couple: NP1:ϕ_s356.00000°,δ29.00000°,λ-79.00000°. NP2:ϕ_s163.00000°,δ62.00000°,λ-96.00000°. Principal axes: T 7.1600,Plg16.0000° ,Azm258.0000°; N 1.8400,Plg5.0000°,Azm166.0000°; P -8.9900,Plg73.0000°,Azm58.0000° M_o8.10000×10^{16}
GUC V 17 12 48 46.7–.76 27.36S 69.86W 87–8 3.7L
¶14761677
GUC Error ellipse: s-maj=3.5km s-min=11.4km az=-1.0.
GUC V 18 08 31 30.0–.99 23.71S 69.03W 90–11 3.5L
¶14761702
GUC Error ellipse: s-maj=8.3km s-min=5.0km az=-1.0.
ISC V 18 15 24 29.8–.99 19.18S–.05 69.2W–.10 123–9 19 0-151
IDC V 18 15 24 09.5–2.0 20.45S 69.53W 0 4.3,4.1 **¶13679187**
ISCJB V 18 15 24 29.2–.67 19.18S–.05 69.2W–.10 130–7 3.6b,4.1
GUC V 18 15 24 29.4–.40 19.21S 69.18W 122–3 3.7L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=57.0km s-min=42.9km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=20.2km s-min=8.3km az=172.0.
GUC Error ellipse: s-maj=1.6km s-min=4.1km az=-1.0.
ISC V 20 23 23 51.3–1.8 22.90S–.04 68.77W–.06 102–12 28 0-7
ISCJB V 20 23 23 52.4–1.3 22.86S–.06 68.82W–.07 97–9 **¶14646678**
NEIC V 20 23 23 52.9 22.89S 68.87W 84 4.2
GUC V 20 23 23 52.9–.60 22.89S 68.87W 84–4 4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=8.4km az=32.4.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0.
ISC V 22 18 13 33.4–.93 22.81S–.06 69.08W–.08 87–8 20 0-147
ISCJB V 22 18 13 31.4–.85 22.86S–.05 69.01W–.10 96–8 3.6b **¶13679433**
IDC V 22 18 13 33.8–2.9 22.99S 68.94W 76–26 3.6b,3.4
GUC V 22 18 13 34.2–.62 22.70S 69.38W 80–5 4.0L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=7.5km az=15.7.
IDC Error ellipse: s-maj=74.3km s-min=21.6km az=93.0.
GUC Error ellipse: s-maj=2.0km s-min=4.1km az=-1.0.
GUC V 22 23 02 38.7–.84 22.89S 68.75W 109–5 3.6L
¶14761759
GUC Error ellipse: s-maj=2.8km s-min=3.7km az=-1.0.
ISC V 23 12 53 43.8–1.2 26.02S–.09 69.1W–.20 101 11 2-149
ISCJB V 23 12 53 42.7–1.1 26.03S–.07 69.0W–.10 101 3.7b **¶13679471**
GUC V 23 12 53 43.6–.75 26.03S 69.05W 100 4.1L
IDC V 23 12 53 47.6–12 25.79S 68.61W 116–90 3.6L,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.7km s-min=5.8km az=25.4.
GUC Error ellipse: s-maj=6.5km s-min=15.1km az=-1.0.
IDC Error ellipse: s-maj=110.6km s-min=83.1km az=62.0.
GUC V 26 22 42 27.9–1.2 24.03S 69.91W 41–20 3.9L
¶14762208
GUC Error ellipse: s-maj=11.0km s-min=22.5km az=-1.0.
GUC V 28 20 25 31.6–.53 22.04S 68.69W 121–3 3.6L
¶14762390
GUC Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0.
GUC V 30 17 54 10.0–.57 23.93S 68.02W 130–7 4.0L
¶14762494
GUC Error ellipse: s-maj=4.3km s-min=4.1km az=-1.0.
ISC V 30 18 53 14.6–.58 22.15S–.05 70.00W–.07 70–4 4.1b 58 0-154
ISCJB V 30 18 53 13.9–.64 22.18S–.05 70.02W–.09 77–4 3.9b **¶13679987**
NEIC V 30 18 53 15.7 22.12S 69.91W 66 3.4b
IDC V 30 18 53 15.4–.62 22.14S 69.73W 71–5 3.8,3.7
GUC V 30 18 53 15.7–.71 22.12S 69.91W 66–3 4.3L,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.0km s-min=7.3km az=159.9.
NEIC Event type fe. Felt [III] at Maria Elena and Tocopilla. After GUC.
IDC Error ellipse: s-maj=20.0km s-min=17.6km az=88.0.
GUC Error ellipse: s-maj=2.1km s-min=3.1km az=-1.0.
IDC V 30 20 33 16.3–1.6 19.93S 69.53W 0 3.8,3.7b
¶16066090
IDC Error ellipse: s-maj=42.1km s-min=35.0km az=149.0.
IDC V 31 21 58 44.5–2.8 21.37S 69.56W 0 3.9,3.7
¶16066133
IDC Error ellipse: s-maj=73.2km s-min=58.3km az=59.0.
GUC VI 02 21 36 03.6–.65 22.16S 68.48W 117–4 3.7L
¶14988565
GUC Error ellipse: s-maj=2.8km s-min=4.7km az=-1.0.
IDC VI 07 15 32 27.4–2.7 20.60S 69.67W 0 3.7,3.7b
¶16101066
IDC Error ellipse: s-maj=62.6km s-min=52.1km az=172.0.
ISC VI 10 19 43 56.5–.72 19.01S–.04 69.32W–.08 109–7 4.1b 28 0-151
ISCJB VI 10 19 43 55.9–.50 19.02S–.04 69.35W–.09 115–6 4.0b **¶13681122**
GUC VI 10 19 43 55.7–.65 19.06S 69.37W 115–4 4.2L
IDC VI 10 19 43 56.9–1.8 18.94S 69.36W 114–14 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=6.2km az=3.5.
GUC Error ellipse: s-maj=2.8km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=30.5km s-min=14.2km az=104.0.
IDC VI 11 04 21 12.4–2.1 20.84S 69.10W 111–18 3.7b,3.4
¶16101197
IDC Error ellipse: s-maj=53.1km s-min=19.4km az=92.0.
IDC VI 12 07 40 11.3–.98 24.94S 69.10W 102–6 3.8,3.6
¶16101227
IDC Error ellipse: s-maj=35.8km s-min=21.4km az=71.0.
GUC VI 14 13 50 53.8–.35 26.29S 69.39W 99–10 3.5L
¶14988818
GUC Error ellipse: s-maj=1.0km s-min=7.6km az=-1.0.
GUC VI 15 17 23 32.5–.81 22.50S 68.72W 101–5 3.8L
¶14988832
GUC Error ellipse: s-maj=3.0km s-min=3.8km az=-1.0.
GUC VI 18 09 01 32.4–.47 19.53S 69.79W 51–2 4.0L
¶14988907
GUC Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0.
IDC VI 20 03 32 17.1–.57 22.23S 68.27W 99–7 3.9b,3.7
¶16101520
IDC Error ellipse: s-maj=21.3km s-min=14.1km az=127.0.
IDC VI 21 17 17 41.9–.64 22.12S 68.39W 101–6 3.9,3.8
¶16101583
IDC Error ellipse: s-maj=18.5km s-min=15.1km az=135.0.
ISC VI 23 04 00 04.3–.59 18.76S–.05 69.79W–.08 95–4 4.1b 61 0-151
ISCJB VI 23 04 00 03.5–.47 18.76S–.04 69.65W–.08 93–5 4.0b **¶13681881**
GUC VI 23 04 00 04.4–.66 18.82S 69.89W 93–3 4.7L
NEIC VI 23 04 00 04.5–.52 18.74S 69.62W 87–6 4.1b
IDC VI 23 04 00 05.1–.73 18.80S 69.52W 93–6 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=6.2km az=171.9.
GUC Error ellipse: s-maj=2.4km s-min=4.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=7.7km az=95.0. Felt [II] at Arica, Camina, Huara and Putre.
IDC Error ellipse: s-maj=20.9km s-min=12.4km az=82.0.
ISC VI 23 20 08 58.4–.91 20.16S–.04 69.4W–.10 107–8 22 1-152
ISCJB VI 23 20 08 57.6–.89 20.18S–.04 69.4W–.20 119–11 3.4b **¶13681926**
GUC VI 23 20 08 57.9–.48 20.19S 69.28W 104–4 4.1L
IDC VI 23 20 09 00.5–1.7 20.18S 68.74W 121–14 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.1km s-min=6.6km az=174.4.
GUC Error ellipse: s-maj=1.3km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=43.6km s-min=14.5km az=106.0.
ISC VI 27 10 59 59.8–.75 21.40S–.05 69.15W–.10 95–6 3.4b 22 0-146
ISCJB VI 27 10 59 58.6–.56 21.37S–.06 69.0W–.10 97–7 3.5b **¶13682133**
GUC VI 27 10 59 59.3–.63 21.40S 69.16W 95–5 4.2L
IDC VI 27 11 00 01.1–1.1 21.48S 68.89W 107–13 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=7.9km az=159.3.
GUC Error ellipse: s-maj=2.1km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=24.6km s-min=21.0km az=92.0.

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IDC I 01 10 27 51.2–1.9 20.52S 68.45W 122–16 3.8,3.7b
¶12079749
IDC Error ellipse: s-maj=24.3km s-min=15.2km az=88.0.
ISC I 03 03 21 12.5–.66 21.98S–.04 67.05W–.06 171–5 4.2b 267 2-168
ISCJB I 03 03 21 11.9–.45 22.06S–.03 67.11W–.05 175–3 4.1b **¶11534534**
NEIC I 03 03 21 12.8–.52 22.02S 66.98W 173–5 4.5b
IDC I 03 03 21 12.1–1.2 22.02S 67.04W 166–10 4.1,4.1
GUC I 03 03 21 13.9–.89 22.07S 67.61W 212–10 5.2L,4.1
BJI I 03 03 21 14.5 22.00S 67.00W 172 5.2L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.9km az=167.2.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.0km az=71.0.
IDC Error ellipse: s-maj=14.8km s-min=9.9km az=78.0.
GUC Error ellipse: s-maj=7.0km s-min=10.4km az=-1.0.
IDC I 03 11 46 13.4–5.4 20.49S 68.64W 130–31 3.8b,3.6
¶12079896

IDC Error ellipse: s-maj=82.9km s-min=33.6km az=51.0.
IDC I 04 07 11 43.5–2.9 20.67S 68.73W 116–21 3.8b,3.3
¶12080128

IDC Error ellipse: s-maj=51.7km s-min=25.4km az=92.0.
IDC I 10 16 19 43.6–6.2 21.22S 68.39W 117–45 3.7b,3.7
¶12080965

IDC Error ellipse: s-maj=68.0km s-min=34.9km az=9.0.
IDC I 10 21 57 09.9–2.4 19.53S 68.77W 153–21 3.5,3.3
¶12080987

IDC Error ellipse: s-maj=38.9km s-min=22.6km az=94.0.
IDC I 11 10 53 32.0–7.2 19.92S 68.95W 122–49 3.4,3.3b
¶12081022

IDC Error ellipse: s-maj=68.9km s-min=33.8km az=43.0.
IDC I 18 08 38 43.0–2.3 21.67S 68.40W 110–20 3.5,3.4
¶12081624

IDC Error ellipse: s-maj=23.6km s-min=19.1km az=82.0.
IDC I 21 02 16 45.7–28 21.11S 68.82W 88–174 3.9L,3.6
¶12081923

IDC Error ellipse: s-maj=336.2km s-min=31.1km az=24.0.
ISC II 11 20 45 32.6–.21 20.25S–.03 68.91W–.04 109–1 5.3b 1071 1-173
DJA II 11 20 45 22 20.84S 68.54W 10 5.3b **¶13434495**
ISCJB II 11 20 45 29.6–.37 20.13S–.03 68.80W–.03 92–3 5.3b
GUC II 11 20 45 31.7–.70 20.34S 69.22W 117–5 5.5L
MOS II 11 20 45 31.8–1.1 19.92S 68.79W 103 5.4b
IDC II 11 20 45 32.8–.33 20.21S 68.90W 109–2 5.0,5.0
NEIC II 11 20 45 32.6–.15 20.25S 68.79W 109 5.3b,5.0
BJI II 11 20 45 33.0 20.20S 68.70W 109 5.5b,5.0
LDG II 11 20 45 33.5–.43 19.71S 68.82W 113 5.1b,5.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.0km az=139.1.
GUC Error ellipse: s-maj=1.8km s-min=6.8km az=-1.0.
MOS Error ellipse: s-maj=15.2km s-min=6.8km az=116.3.
IDC Error ellipse: s-maj=11.8km s-min=8.2km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=71.0. Felt [IV] at Alto Hospicio, Camina, Iquique and Pica; [III] at Arica, Cuya, La Tirana, Pozo Almonte and Ujina; [II] at Maria Elena, Pisagua and Tocopilla. Also felt at Tacna, Peru.
LDG Event type ke. Error ellipse: s-maj=25.9km s-min=14.9km az=30.0.
IDC II 12 09 54 15.2–.85 20.70S 68.88W 113–5 4.0s,4.0
¶15955670

IDC Error ellipse: s-maj=26.9km s-min=15.4km az=23.0.
IDC II 15 17 20 35.0–19 21.14S 68.28W 0 3.9,3.8b
¶15956173

IDC Error ellipse: s-maj=807.7km s-min=65.1km az=19.0.
IDC II 17 12 29 10.4–3.0 21.25S 67.02W 236–45 3.4,3.3b
¶15956407

IDC Error ellipse: s-maj=82.4km s-min=21.2km az=102.0.
IDC II 17 14 12 08.5–2.4 21.11S 68.54W 98–22 3.3,3.2
¶15956418

IDC Error ellipse: s-maj=40.1km s-min=20.5km az=96.0.
IDC II 22 18 53 14.0–4.9 19.87S 68.73W 130–33 3.5,3.3
¶15956963

IDC Error ellipse: s-maj=66.8km s-min=25.8km az=40.0.
IDC II 28 12 55 00.1–7.2 19.82S 68.84W 130–49 3.3,3.2
¶15957518

IDC Error ellipse: s-maj=72.4km s-min=33.0km az=39.0.
ISC III 01 08 34 59.7–.54 21.71S–.05 68.37W–.07 128–5 4.3b 70 1-154
ISCJB III 01 08 34 58.2–.39 21.68S–.04 68.33W–.07 127–6 4.2b **¶12702173**
NEIC III 01 08 34 59.4–.75 21.83S 68.20W 118–8 4.4b
GUC III 01 08 34 59.6–.88 21.74S 68.55W 130–7 4.1L
IDC III 01 08 35 01.3–.85 21.66S 68.21W 136–7 4.4s,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.2km az=164.8.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.9km az=99.0.
GUC Error ellipse: s-maj=4.2km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=15.8km az=112.0.
IDC III 02 01 15 16.8–8.8 21.32S 68.04W 168–60 3.6b,3.4
¶12702224

IDC Error ellipse: s-maj=100.4km s-min=28.8km az=13.0.
ISC III 03 00 48 34.7–.54 21.59S–.05 68.77W–.07 125–5 4.0b 65 1-154
ISCJB III 03 00 48 32.4–.50 21.37S–.05 68.81W–.07 120–5 4.1b **¶12702313**
NEIC III 03 00 48 34.5 21.54S 69.05W 133 4.4b
GUC III 03 00 48 34.5–.60 21.54S 69.05W 133–5 4.6L
IDC III 03 00 48 35.6–.63 21.31S 68.63W 126–5 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=8.4km az=24.4.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=5.1km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=16.6km s-min=13.0km az=101.0.
ISC III 04 22 09 53.3–.53 21.81S–.04 68.62W–.06 105–5 4.2b 76 1-154
ISCJB III 04 22 09 51.8–.36 21.80S–.03 68.60W–.06 109–5 4.1b **¶12702459**
NEIC III 04 22 09 53.0 21.80S 68.73W 104 4.5b
GUC III 04 22 09 53.0–.80 21.80S 68.73W 104–4 4.5L
IDC III 04 22 09 55.3–.84 21.67S 68.35W 117–5 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.1km az=170.2.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.3km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=22.6km s-min=14.5km az=13.0.
IDC III 06 10 06 58.3–2.5 20.66S 68.40W 135–21 3.4,3.3b
¶12702555

IDC Error ellipse: s-maj=34.7km s-min=19.2km az=77.0.
IDC III 07 01 05 51.6–4.2 20.10S 68.80W 123–30 3.7,3.6b
¶12702601

IDC Error ellipse: s-maj=41.4km s-min=21.6km az=47.0.
IDC III 09 11 20 33.2–7.3 20.69S 68.96W 84–50 4.0L,3.7
¶12702792

IDC Error ellipse: s-maj=65.0km s-min=32.4km az=49.0.
IDC III 10 00 41 37.6–2.1 19.39S 68.65W 145–18 3.7,3.6
¶12702828

IDC Error ellipse: s-maj=32.3km s-min=20.6km az=96.0.
IDC III 10 10 01 46.9–4.3 19.96S 68.85W 118–33 3.6,3.3b
¶12702861

IDC Error ellipse: s-maj=48.2km s-min=21.9km az=57.0.
ISC III 12 19 22 48.5–.59 21.23S–.07 68.76W–.09 117 4.1b 30 1-153
ISCJB III 12 19 22 47.4–.59 21.21S–.08 68.77W–.09 117 4.1b **¶12703101**
IDC III 12 19 22 49.3–.73 21.12S 68.70W 116–5 4.0b,3.9
GUC III 12 19 22 49.0–.39 21.31S 68.97W 120 4.2L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=6.4km az=42.5.
IDC Error ellipse: s-maj=21.4km s-min=18.3km az=124.0.
GUC Error ellipse: s-maj=8.2km s-min=12.5km az=-1.0.
IDC III 14 23 57 24.5–1.7 19.61S 68.35W 141–16 3.9,3.7
¶12703303

IDC Error ellipse: s-maj=21.9km s-min=14.1km az=72.0.
ISC III 16 05 54 59.6–.81 22.00S–.05 68.50W–.08 120–8 23 1-146
ISCJB III 16 05 54 59.1–.57 21.99S–.04 68.59W–.08 128–6 3.8b **¶12703400**
GUC III 16 05 54 59.4–.86 21.99S 68.59W 120–6 3.8L
IDC III 16 05 54 59.7–2.3 22.09S 68.22W 109–21 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=6.7km az=168.4.
GUC Error ellipse: s-maj=3.7km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=33.3km s-min=20.3km az=104.0.
IDC III 17 16 27 40.6–2.7 20.30S 68.73W 125–23 3.7,3.6s
¶12703522

IDC Error ellipse: s-maj=32.7km s-min=21.3km az=79.0.
ISC III 18 01 09 35.2–.94 21.27S–.04 68.8W–.10 120–11 23 1-77
ISCJB III 18 01 09 33.8–.59 21.24S–.04 68.6W–.10 114–11 3.9b **¶14693394**
GUC III 18 01 09 35.1–.90 21.27S 68.84W 120–6 3.9L
IDC III 18 01 09 58.0–21 19.27S 67.57W 240–119 3.5b,3.4s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=6.7km az=3.1.

GUC Error ellipse: s-maj=2.3km s-min=7.6km az=-1.0.
IDC Error ellipse: s-maj=403.5km s-min=37.7km az=16.0.
ISC III 18 22 02 32.0–.22 20.50S–.02 68.97W–.04 108 4.8b 489 1-173
ISCJB III 18 22 02 30.9–.15 20.46S–.02 68.79W–.04 108 4.8b **¶12025756**
GUC III 18 22 02 31.8–.77 20.50S 69.22W 114–4 5.2L
IDC III 18 22 02 32.8–.41 20.41S 68.79W 110–3 4.5,4.5
NEIC III 18 22 02 32.6–.20 20.41S 68.73W 108 4.9b,4.5
GCMT III 18 22 02 38.0–.30 20.53S 69.07W 124–3 4.9W,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=179.0.
GUC Error ellipse: s-maj=1.8km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=13.1km s-min=10.2km az=61.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.9km az=66.0. Felt [III] at Alto Hospicio, Huara, Iquique and Pozo Almonte; [II] at Pica, Chile.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s30,c33; s64,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.53±.12 $M_{\theta\theta}$0.25±.16; $M_{\phi\phi}$1.28±.17; $M_{r\theta}$1.76±.08; $M_{\theta\phi}$-1.07±.17; $M_{\phi r}$-1.60±.10; Best double couple: NP1:ϕ_s166.00000°,δ20.00000°,λ-60.00000°. NP2:ϕ_s314.00000°,δ72.00000°,λ-101.00000°. Principal axes: T 3.1100,Plg27.0000° ,Azm53.0000°; N -0.3100,Plg10.0000°,Azm317.0000°; P -2.8100,Plg61.0000° ,Azm209.0000° M_o3.00000×10^{16}
IDC III 23 22 09 10.9–2.9 20.33S 68.76W 115–25 3.4,3.3b
¶12635422

IDC Error ellipse: s-maj=33.3km s-min=27.0km az=107.0.
IDC III 25 02 55 05.6–8.1 20.37S 68.46W 134–54 3.5,3.4b
¶12635511

IDC Error ellipse: s-maj=99.9km s-min=36.4km az=19.0.
IDC III 26 07 03 30.9–8.5 20.19S 68.95W 116–60 3.3,3.1b
¶12635622

IDC Error ellipse: s-maj=72.1km s-min=51.6km az=36.0.
IDC III 26 10 48 21.8–3.2 21.08S 68.17W 137–28 3.5b,3.5
¶12635632

IDC Error ellipse: s-maj=35.9km s-min=27.0km az=84.0.
IDC III 26 19 02 55.7–2.9 21.29S 68.70W 78–26 4.3s,4.3
¶12635648

IDC Error ellipse: s-maj=27.0km s-min=15.5km az=112.0.
ISC III 28 07 40 54.1–.95 21.18S–.05 68.8W–.10 120–10 19 1-145
GUC III 28 07 40 53.9–.68 21.17S 68.83W 123–5 3.6L **¶12635756**
IDC III 28 07 41 10.0–2.0 19.82S 67.81W 210–17 3.3b,3.3
ISC Event type ke.
GUC Error ellipse: s-maj=2.1km s-min=8.2km az=-1.0.
IDC Error ellipse: s-maj=27.4km s-min=25.1km az=39.0.
IDC III 28 10 00 26.9–8.1 20.58S 68.19W 128–52 3.7b,3.6
¶12635761

IDC Error ellipse: s-maj=87.2km s-min=39.7km az=45.0.
ISC III 29 01 39 43.1–.67 21.62S–.05 68.68W–.09 114–6 3.9b 36 1-146
ISCJB III 29 01 39 41.1–.59 21.63S–.04 68.55W–.08 112–6 3.9b **¶12635830**
GUC III 29 01 39 42.7–.60 21.61S 68.79W 117–3 4.2L,4.0
IDC III 29 01 39 44.2–.96 21.56S 68.43W 119–5 3.8,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=6.5km az=8.2.
GUC Error ellipse: s-maj=1.6km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=28.0km s-min=17.0km az=14.0.
ISC IV 01 22 55 50.3–.85 21.85S–.06 68.44W–.08 109–8 4.0b 24 1-146
GUC IV 01 22 55 51.2–.69 21.88S 68.78W 129–5 4.3L **¶12934203**
IDC IV 01 22 56 00.9–2.2 21.20S 68.17W 177–18 3.8,3.7b
ISC Event type ke.
GUC Error ellipse: s-maj=3.4km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=19.0km az=8.0.
ISC IV 03 06 27 39.3–.71 21.76S–.04 68.40W–.06 124–7 4.3b 52 1-146
IDC IV 03 06 27 35.7–.77 21.77S 68.28W 86–5 3.9,3.8b **¶12934410**
ISCJB IV 03 06 27 37.9–.47 21.79S–.04 68.27W–.07 121–6 4.0b,3.8b
GUC IV 03 06 27 39.2–.66 21.77S 68.51W 135–4 4.2L,3.8b
NEIC IV 03 06 27 39.2 21.77S 68.51W 135 4.3b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=19.2km az=27.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.9km az=8.5.
GUC Error ellipse: s-maj=3.2km s-min=4.9km az=-1.0.
NEIC Event type se. After GUC.
IDC IV 03 21 44 25.0–25 19.91S 68.32W 191–150 3.2,3.1b
¶16152330

IDC Error ellipse: s-maj=372.7km s-min=50.4km az=20.0.
IDC IV 08 03 27 40.0–2.5 20.28S 68.43W 133–22 3.3,3.2
¶16152529

IDC Error ellipse: s-maj=30.1km s-min=22.6km az=86.0.
IDC IV 10 12 05 39.7–1.5 21.31S 67.24W 184–16 3.5,3.4
¶16152627

IDC Error ellipse: s-maj=25.7km s-min=14.3km az=80.0.
IDC IV 11 07 47 24.5–2.3 21.39S 67.69W 148–22 3.3,3.2b
¶16152656

IDC Error ellipse: s-maj=41.4km s-min=25.6km az=96.0.
IDC IV 11 17 37 52.4–7.4 22.02S 67.21W 193–53 3.4b,3.3
¶16152672

IDC Error ellipse: s-maj=73.8km s-min=27.9km az=15.0.
ISC IV 12 11 22 17.9–.82 19.91S–.06 68.7W–.10 124–12 4.3b 17 1-90
ISCJB IV 12 11 22 16.7–.58 19.86S–.05 68.64W–.09 120–10 4.2b **¶12935100**
GUC IV 12 11 22 19.3–.53 19.94S 68.89W 120 3.9L
IDC IV 12 11 22 20.7–2.4 19.88S 68.45W 140–20 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=8.0km az=166.0.
GUC Error ellipse: s-maj=2.4km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=27.9km s-min=22.9km az=75.0.
ISC IV 15 22 52 35.6–.77 21.84S–.09 67.3W–.10 178 4.5b 16 6-145
IDC IV 15 22 52 33.0–1.6 21.99S 67.31W 157–15 4.3b,4.1 **¶16152825**
ISCJB IV 15 22 52 33.8–.60 21.96S–.06 67.3W–.10 178 4.5b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC IV 15 23 53 53.9–.82 21.62S–.08 68.0W–.10 121 4.0b 16 5-145
ISCJB IV 15 23 53 52.1–.75 21.68S–.06 68.1W–.10 121 3.9b **¶16152828**
IDC IV 15 23 53 53.4–2.4 21.61S 68.09W 122–20 3.7b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=8.2km az=178.0.
IDC Error ellipse: s-maj=23.7km s-min=17.2km az=64.0.
ISC IV 16 05 22 35.5–.67 19.60S–.08 68.99W–.09 110–6 4.4b 40 3-152
ISCJB IV 16 05 22 32.6–1.1 19.55S–.07 68.99W–.08 96–11 4.3b **¶12935380**
NEIC IV 16 05 22 35.5–.56 19.60S 69.01W 115 4.4b
IDC IV 16 05 22 36.1–.88 19.57S 68.92W 114–6 4.3,4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=9.4km az=143.5.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.4km az=65.0.
IDC Error ellipse: s-maj=21.6km s-min=20.0km az=150.0.
IDC IV 17 18 34 13.4–1.6 21.18S 67.00W 200–16 3.3,3.2
¶16152937

IDC Error ellipse: s-maj=20.5km s-min=14.3km az=69.0.
ISC IV 23 09 55 13.4–.85 21.70S–.05 67.28W–.09 182–10 3.6b 27 2-145
IDC IV 23 09 55 13.6–1.6 21.66S 67.18W 182–16 3.6,3.5 **¶12936022**
ISCJB IV 23 09 55 13.2–.62 21.72S–.04 67.36W–.09 195–8 3.4b,3.5
GUC IV 23 09 55 15.0–.50 21.68S 67.54W 192–15 4.9L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=13.5km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=6.5km az=1.0.
GUC Error ellipse: s-maj=3.9km s-min=12.1km az=-1.0.
IDC IV 25 04 46 37.2–6.2 18.34S 68.97W 141–40 3.7,3.4
¶16153363

IDC Error ellipse: s-maj=92.9km s-min=28.6km az=22.0.
IDC IV 27 16 17 45.9–7.7 19.84S 68.08W 181–49 3.5b,3.1
¶16154566

IDC Error ellipse: s-maj=92.1km s-min=39.8km az=35.0.
IDC IV 30 19 23 00.7–5.1 21.76S 68.30W 0 3.7b,3.5
¶16154675

IDC Error ellipse: s-maj=160.4km s-min=55.8km az=70.0.
IDC V 01 04 54 00.5–2.6 21.49S 68.61W 104–22 3.6,3.5

¶16154689

IDC Error ellipse: s-maj=34.7km s-min=26.7km az=95.0.
IDC V 03 03 25 43.4–7.4 19.98S 68.79W 124–50 3.1,3.0b

¶16154855

IDC Error ellipse: s-maj=73.6km s-min=34.1km az=45.0.
IDC V 03 12 05 01.4–8.8 21.09S 68.34W 142–61 3.3,3.1

¶16154863

IDC Error ellipse: s-maj=82.5km s-min=49.9km az=35.0.
IDC V 03 23 16 19.0–2.4 19.73S 68.80W 121–20 3.9,3.9

¶16154881

IDC Error ellipse: s-maj=35.5km s-min=16.9km az=117.0.
IDC V 04 13 10 01.0–3.2 20.99S 68.21W 136–33 3.6b,3.5

¶16154896

IDC Error ellipse: s-maj=42.1km s-min=28.1km az=111.0.
ISC V 05 06 42 54.4–.98 21.21S–.05 68.8W–.10 122–10 18 1-145
IDC V 05 06 42 35.2–2.5 22.39S 68.91W 0 4.4L,4.2 **¶13678375**
GUC V 05 06 42 53.5–.80 21.22S 68.77W 123–7 3.8L,4.2
ISCJB V 05 06 42 53.8–.69 21.21S–.05 68.8W–.10 127–8 3.6b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC V 06 00 16 58.3–.83 21.12S–.07 67.53W–.09 171–8 3.9b 29 2-145
ISCJB V 06 00 16 57.1–.58 21.11S–.06 67.53W–.08 175–6 3.8b **¶13678410**
IDC V 06 00 16 58.2–1.6 21.21S 67.47W 171–15 3.8,3.7
GUC V 06 00 16 59.7–.55 21.21S 68.10W 206–7 4.5L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=8.6km az=145.4.
IDC Error ellipse: s-maj=18.8km s-min=13.1km az=59.0.
GUC Error ellipse: s-maj=3.7km s-min=9.1km az=-1.0.
ISC V 08 03 36 49.3–.95 21.12S–.06 68.5W–.10 107–14 15 1-145
IDC V 08 03 36 31.4–2.1 22.36S 68.89W 0 4.1L,4.0 **¶13678537**
GUC V 08 03 36 48.7–.94 21.21S 68.76W 126–9 3.7L,4.0
ISCJB V 08 03 36 48.4–.60 21.11S–.04 68.5W–.10 111–10 3.5b,4.0
ISC Event type ke.
ISCJB Event type ke.
GUC V 10 18 11 33.0–.89 21.97S 68.65W 124–7 3.5L

¶14761540

GUC Error ellipse: s-maj=4.1km s-min=7.0km az=-1.0.
ISC V 13 22 54 30.7–.79 20.99S–.05 68.62W–.10 112–8 3.8b 27 1-153
ISCJB V 13 22 54 28.0–.50 21.05S–.04 68.40W–.06 103–7 3.7b **¶13678904**
IDC V 13 22 54 29.8–2.2 21.16S 68.44W 104–19 3.8,3.7
GUC V 13 22 54 31.0–.39 21.04S 68.86W 117–3 4.5L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.5km az=6.7.
IDC Error ellipse: s-maj=23.1km s-min=17.7km az=82.0.
GUC Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
GUC V 15 03 10 21.0–1.8 21.86S 68.53W 133–15 3.5L

¶14761619

GUC Error ellipse: s-maj=7.7km s-min=16.4km az=-1.0.
GUC V 15 18 03 39.8–.85 21.66S 68.50W 114–14 3.5L

¶14761628

GUC Error ellipse: s-maj=4.7km s-min=9.0km az=-1.0.
ISC V 17 10 59 04.8–.83 21.04S–.04 68.78W–.09 112–10 4.2b 24 1-77
ISCJB V 17 10 59 03.5–.47 21.04S–.03 68.70W–.08 109–9 4.1b **¶13679108**
GUC V 17 10 59 04.6–.64 21.16S 69.02W 115–4 4.0L
IDC V 17 10 59 11.9–6.7 20.63S 68.52W 154–46 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=5.8km az=179.4.
GUC Error ellipse: s-maj=1.6km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=64.2km s-min=30.0km az=28.0.
ISC V 17 11 24 16.3–.97 20.40S–.04 68.8W–.10 125–13 21 1-90
ISCJB V 17 11 24 16.6–.71 20.41S–.03 68.9W–.10 137–10 3.1b **¶13679110**
GUC V 17 11 24 16.8–.44 20.42S 68.93W 128–5 3.7L
IDC V 17 11 24 19.6–5.9 20.36S 68.28W 134–34 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=5.5km az=175.0.
GUC Error ellipse: s-maj=1.8km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=84.4km s-min=25.6km az=63.0.
ISC V 18 05 04 49.4–.77 21.38S–.05 68.54W–.09 115–8 3.5b 23 1-145
ISCJB V 18 05 04 48.1–.49 21.34S–.04 68.43W–.07 115–6 3.6b **¶13679159**
GUC V 18 05 04 49.7–.67 21.43S 68.71W 118–5 4.0L
IDC V 18 05 04 50.6–3.0 21.37S 68.42W 124–25 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=7.0km az=164.9.
GUC Error ellipse: s-maj=2.4km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=29.1km s-min=18.9km az=49.0.
GUC V 19 01 37 11.1–.62 21.94S 67.78W 225–23 3.6L

¶14761716

GUC Error ellipse: s-maj=9.9km s-min=19.4km az=-1.0.
IDC V 19 17 50 28.2–8.2 21.35S 68.44W 109–54 3.6,3.5

¶16155913

IDC Error ellipse: s-maj=78.3km s-min=28.9km az=38.0.
ISC V 19 19 59 01.0–1.3 21.09S–.06 68.5W–.20 130–12 17 1-145
ISCJB V 19 19 59 00.3–.96 21.10S–.06 68.5W–.20 138–11 3.7b **¶13679258**
GUC V 19 19 59 00.7–.61 21.08S 68.63W 137–5 3.4L
IDC V 19 19 59 04.1–8.8 20.86S 68.05W 149–64 3.7,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.0km s-min=9.4km az=1.1.
GUC Error ellipse: s-maj=1.9km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=103.5km s-min=47.7km az=10.0.
ISC V 20 14 04 08.0–.41 18.43S–.06 68.98W–.06 132–3 4.5b 151 2-171
ISCJB V 20 14 04 05.4–1.0 18.33S–.05 69.00W–.06 118–10 4.5b **¶12844587**
BJI V 20 14 04 07.7 18.50S 68.90W 129 4.6b
IDC V 20 14 04 08.5–.43 18.36S 68.98W 132–3 4.5,4.3
NEIC V 20 14 04 08.1–.23 18.42S 68.94W 130 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=8.2km az=36.5.
IDC Error ellipse: s-maj=13.3km s-min=10.5km az=38.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=54.0.
IDC V 20 14 38 43.9–2.1 21.20S 67.72W 147–18 3.7,3.6

¶16155955

IDC Error ellipse: s-maj=27.4km s-min=16.1km az=67.0.
ISC V 23 17 36 27.9–1.0 22.01S–.06 67.6W–.10 187–15 22 1-145
GUC V 23 17 36 28.4–2.1 22.01S 67.83W 197–18 3.9L **¶13679480**
IDC V 23 17 36 35.7–4.9 21.43S 67.20W 232–25 3.8b,3.1
ISC Event type ke.
GUC Error ellipse: s-maj=8.7km s-min=20.3km az=-1.0.
IDC Error ellipse: s-maj=99.0km s-min=25.0km az=58.0.
GUC V 23 22 20 39.2–.81 21.03S 68.68W 100–8 3.7L

¶14761787

GUC Error ellipse: s-maj=2.2km s-min=6.9km az=-1.0.
ISC V 24 16 20 57.4–.88 21.34S–.05 69.0W–.10 140–10 20 1-146
ISCJB V 24 16 20 57.4–.63 21.29S–.05 68.9W–.10 135–9 3.5b **¶13679564**
IDC V 24 16 20 57.8–2.4 21.50S 68.57W 118–23 3.5,3.5b
GUC V 24 16 20 58.5–.76 21.25S 68.86W 121–5 4.1L,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=7.0km az=167.2.
IDC Error ellipse: s-maj=38.1km s-min=21.0km az=92.0.
GUC Error ellipse: s-maj=2.3km s-min=5.6km az=-1.0.
ISC V 25 00 02 10.6–.66 21.38S–.03 68.66W–.07 113–7 4.1b 46 1-145
ISCJB V 25 00 02 10.2–.46 21.45S–.04 68.8W–.10 119–9 4.1b **¶12871318**
IDC V 25 00 02 10.9–2.4 21.57S 68.67W 103–20 3.9b,3.5
GUC V 25 00 02 11.7–.76 21.53S 69.03W 116–5 4.2L,3.5
NEIC V 25 00 02 11.7 21.53S 69.03W 116 4.1b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=6.8km az=169.6.
IDC Error ellipse: s-maj=35.2km s-min=20.0km az=108.0.
GUC Error ellipse: s-maj=3.3km s-min=9.0km az=-1.0.
NEIC Event type se. After GUC.
ISC V 25 04 54 55.0–.77 21.82S–.05 68.7W–.10 131–9 3.9b 25 1-92
IDC V 25 04 54 54.3–2.3 21.89S 68.29W 112–21 3.8b,3.7 **¶13679602**
GUC V 25 04 54 54.1–.75 21.79S 68.74W 137–5 4.2L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=17.5km az=113.0.
GUC Error ellipse: s-maj=2.6km s-min=8.1km az=-1.0.
GUC V 29 02 14 17.6–.83 21.81S 68.55W 129–7 3.6L

¶14762477

GUC Error ellipse: s-maj=3.2km s-min=7.4km az=-1.0.
IDC V 29 14 29 48.2–2.6 19.58S 68.98W 78–22 3.7,3.7b

¶16156316

IDC Error ellipse: s-maj=36.4km s-min=22.2km az=102.0.
ISC V 30 00 53 47.2–.66 20.54S–.04 68.88W–.08 103–6 4.1b 29 1-153
ISCJB V 30 00 53 46.1–.47 20.54S–.04 68.82W–.09 108–6 3.9b **¶13679932**
GUC V 30 00 53 46.9–.41 20.60S 69.09W 112–3 4.6L
IDC V 30 00 53 47.8–.93 20.57S 68.68W 108–7 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=6.1km az=176.5.
GUC Error ellipse: s-maj=1.1km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=21.2km s-min=19.8km az=84.0.
ISC V 30 20 27 44.4–.87 21.85S–.05 68.53W–.09 101–8 3.7b 25 1-154
ISCJB V 30 20 27 43.7–.70 21.82S–.04 68.48W–.09 105–6 3.6b **¶13679993**
GUC V 30 20 27 44.3–.59 21.86S 68.66W 107–3 4.0L
IDC V 30 20 28 01.2–12 20.58S 67.87W 209–78 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=7.4km az=177.7.
GUC Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=179.4km s-min=21.4km az=19.0.
ISC VI 01 16 00 03.4–.50 21.42S–.03 68.95W–.07 98–4 4.0b 81 0-146
ISCJB VI 01 16 00 02.1–.40 21.40S–.03 68.83W–.07 99–5 3.9b **¶13680116**
GUC VI 01 16 00 03.2–.70 21.42S 69.01W 97–4 4.7L
NEIC VI 01 16 00 03.2 21.42S 69.01W 97 4.5b
IDC VI 01 16 00 04.2–.68 21.43S 68.72W 100–5 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.3km az=173.7.
GUC Error ellipse: s-maj=1.6km s-min=4.0km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=18.0km s-min=16.7km az=26.0.
ISC VI 02 02 35 34.4–.50 21.47S–.03 68.57W–.05 107–4 4.5b 139 1-173
IDC VI 02 02 35 32.2–.61 21.48S 68.53W 86–4 4.2,4.1 **¶12872816**
ISCJB VI 02 02 35 33.9–.39 21.45S–.03 68.44W–.06 114–4 4.4b,4.1
NEIC VI 02 02 35 35.2 21.57S 68.84W 123 4.5b,4.1
GUC VI 02 02 35 35.2–.72 21.57S 68.84W 123–4 4.9L,4.1
BJI VI 02 02 35 36.1 21.50S 68.30W 107 5.7b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=11.9km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=171.8.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.1km s-min=4.2km az=-1.0.
ISC VI 02 03 01 31.1–1.1 21.31S–.05 68.2W–.10 121–12 19 1-91
ISCJB VI 02 03 01 30.3–.71 21.33S–.05 68.2W–.10 125–10 3.5b **¶13680183**
IDC VI 02 03 01 31.1–1.4 21.33S 68.16W 121–16 3.7,3.5
GUC VI 02 03 01 31.3–.69 21.40S 68.46W 131–6 3.5L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=7.7km az=171.2.
IDC Error ellipse: s-maj=38.6km s-min=24.0km az=118.0.
GUC Error ellipse: s-maj=2.3km s-min=6.5km az=-1.0.
GUC VI 04 23 29 59.8–.74 20.27S 68.54W 130 3.6L

¶14988613

GUC Error ellipse: s-maj=3.6km s-min=10.0km az=-1.0.
GUC VI 05 15 28 01.9–.98 21.06S 68.56W 130–11 3.8L

¶14988628

GUC Error ellipse: s-maj=2.9km s-min=9.0km az=-1.0.
ISC VI 05 16 08 32.1–.92 21.16S–.05 67.7W–.10 185–11 23 2-145
ISCJB VI 05 16 08 31.7–.70 21.18S–.05 67.7W–.10 192–10 3.7b **¶13680559**
GUC VI 05 16 08 31.7–1.0 21.27S 67.83W 193–13 3.9L
IDC VI 05 16 08 36.1–3.8 20.79S 67.14W 208–23 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=7.4km az=2.4.
GUC Error ellipse: s-maj=7.4km s-min=13.5km az=-1.0.
IDC Error ellipse: s-maj=68.5km s-min=22.4km az=52.0.
GUC VI 05 18 15 36.0–.56 21.14S 68.77W 119–5 3.6L

¶14988629

GUC Error ellipse: s-maj=1.5km s-min=4.7km az=-1.0.
ISC VI 05 18 22 24.7–.81 21.75S–.04 68.71W–.08 97–7 29 0-146
IDC VI 05 18 22 23.4–2.7 21.84S 68.75W 84–22 3.6,3.6b **¶13680565**
ISCJB VI 05 18 22 24.0–.64 21.77S–.04 68.76W–.09 106–7 3.6b,3.6b
GUC VI 05 18 22 24.2–.75 21.80S 68.83W 104–4 4.0L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=43.5km s-min=25.7km az=102.0.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=5.8km az=177.8.
GUC Error ellipse: s-maj=2.0km s-min=4.1km az=-1.0.
ISC VI 06 21 41 45.0–.52 20.19S–.04 68.74W–.07 121–4 4.3b 77 1-144
ISCJB VI 06 21 41 43.2–.42 20.19S–.03 68.66W–.07 121–6 4.0b **¶13680699**
GUC VI 06 21 41 44.8–.69 20.27S 69.01W 131–5 4.4L
NEIC VI 06 21 41 44.5–.45 20.20S 68.60W 114–6 4.5b
IDC VI 06 21 41 45.9–.82 20.19S 68.52W 125–6 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.1km az=166.0.
GUC Error ellipse: s-maj=1.7km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.2km az=87.0.
IDC Error ellipse: s-maj=20.1km s-min=17.4km az=34.0.
GUC VI 12 04 33 01.3–.75 21.77S 68.70W 126–10 3.5L

¶14988769

GUC Error ellipse: s-maj=2.6km s-min=11.6km az=-1.0.
IDC VI 13 03 26 47.1–.84 21.25S 67.68W 155–16 3.6,3.5

¶16101265

IDC Error ellipse: s-maj=29.4km s-min=10.7km az=103.0.
IDC VI 13 13 50 28.2–4.0 21.11S 68.67W 121–39 3.6,3.6b

¶16101277

IDC Error ellipse: s-maj=51.3km s-min=31.4km az=125.0.
ISC VI 14 21 14 14.3–.37 19.74S–.04 68.58W–.08 130 4.3b 105 3-172
ISCJB VI 14 21 14 13.1–.28 19.73S–.03 68.52W–.06 130 4.2b **¶13077649**
NEIC VI 14 21 14 14.8–.73 19.57S 68.43W 126–7 4.4b
BJI VI 14 21 14 14.4 19.60S 68.30W 121 5.3b
IDC VI 14 21 14 15.1–.85 19.66S 68.52W 131–8 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.6km az=176.2.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.7km az=68.0.
IDC Error ellipse: s-maj=15.2km s-min=7.5km az=92.0.
ISC VI 16 08 58 05.3–.75 21.93S–.06 67.29W–.08 185–9 4.2b 46 2-145
ISCJB VI 16 08 58 04.6–.56 21.89S–.07 67.24W–.08 185–9 4.0b **¶13681478**
IDC VI 16 08 58 05.2–.78 21.99S 67.21W 180–12 3.9b,3.6
GUC VI 16 08 58 06.6–.48 22.04S 67.65W 199–5 4.2L,3.6
NEIC VI 16 08 58 06.6 22.04S 67.65W 199 4.2,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=11.7km az=2.1.
IDC Error ellipse: s-maj=24.2km s-min=17.8km az=147.0.
GUC Error ellipse: s-maj=2.9km s-min=5.3km az=-1.0.
NEIC Event type se. After GUC.
IDC VI 16 16 43 49.8–1.1 21.25S 68.27W 127–14 3.5,3.4b

¶16101412

IDC Error ellipse: s-maj=39.9km s-min=18.5km az=112.0.
ISC VI 18 12 27 08.6–1.0 20.58S–.05 68.7W–.10 102–14 17 1-145
ISCJB VI 18 12 27 07.7–.77 20.63S–.05 68.8W–.20 115–13 3.5b **¶13681599**
GUC VI 18 12 27 08.5–.69 20.73S 69.17W 124–6 3.8L
IDC VI 18 12 27 10.2–1.5 20.82S 68.40W 117–18 3.5b,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.0km s-min=7.5km az=170.2.
GUC Error ellipse: s-maj=2.6km s-min=9.2km az=-1.0.
IDC Error ellipse: s-maj=55.3km s-min=16.3km az=108.0.
IDC VI 18 14 51 28.1–4.2 21.63S 68.89W 0 3.8,3.8L

¶16101470

IDC Error ellipse: s-maj=122.8km s-min=56.4km az=74.0.

IDC VI 18 17 52 33.6–.71 21.27S 68.06W 113–10 4.0b,3.8 ¶16101479
IDC Error ellipse: s-maj=21.8km s-min=8.8km az=106.0.
ISC VI 19 10 36 23.5–.16 21.09S–.02 68.79W–.03 112–0 5.2b 683 1-173
GUC VI 19 10 36 22.1–.78 21.08S 68.90W 111–5 5.4L **¶13197432**
NEIC VI 19 10 36 22.1 21.08S 68.90W 111 5.3b
ISCJB VI 19 10 36 22.2–.14 21.03S–.02 68.69W–.03 110 5.2b
IDC VI 19 10 36 23.6–.32 21.08S 68.67W 109–3 4.8,4.8
LDG VI 19 10 36 23.8–.15 20.37S 68.45W 100 5.1b,4.0s
MOS VI 19 10 36 23.1–.95 20.68S 68.54W 104 5.5b,4.0s
BJI VI 19 10 36 23.0 21.25S 67.58W 97 5.2b,4.0s
GCMT VI 19 10 36 29.0–.20 21.07S 69.08W 128–1 5.2W,4.0s
ISC Event type ke.
GUC Error ellipse: s-maj=2.1km s-min=6.9km az=-1.0.
NEIC Event type se. After GUC.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=166.3.
IDC Error ellipse: s-maj=12.5km s-min=5.8km az=92.0.
LDG Event type ke. Error ellipse: s-maj=9.6km s-min=5.6km az=18.0.
MOS Error ellipse: s-maj=10.1km s-min=6.5km az=100.7.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c72; s81,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.79±.15 $M_{\theta\theta}$2.14±.21; $M_{\phi\phi}$4.66±.23; $M_{r\theta}$-1.34±.14; $M_{\theta\phi}$-5.17±.18; $M_{\phi r}$1.82±.18; Best double couple: NP1:ϕ_s321.00000°,δ37.00000°,λ-91.00000°. NP2:ϕ_s143.00000°,δ53.00000°,λ-89.00000°. Principal axes: T 9.0400,Plg8.0000° ,Azm232.0000°; N -1.9200,Plg1.0000°,Azm322.0000°; P -7.1100,Plg82.0000°,Azm57.0000° M_o8.10000×10^{16}
IDC VI 20 07 23 05.1–1.6 20.67S 68.48W 120–16 3.4,3.3 ¶16101529
IDC Error ellipse: s-maj=28.7km s-min=19.0km az=109.0.
IDC VI 21 12 04 00.9–3.0 19.04S 68.09W 0 4.1,4.1b ¶16101567
IDC Error ellipse: s-maj=85.2km s-min=46.5km az=54.0.
IDC VI 21 17 37 15.7–9.4 22.17S 67.15W 192–66 3.9b,3.5 ¶16101584
IDC Error ellipse: s-maj=106.8km s-min=50.4km az=34.0.
GUC VI 23 00 31 58.9–.94 21.88S 67.73W 227–10 3.7L ¶14989009
GUC Error ellipse: s-maj=4.9km s-min=12.6km az=-1.0.
GUC VI 23 18 07 04.8–.49 21.28S 68.69W 125–5 3.5L ¶14989020
GUC Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0.
ISC VI 23 21 03 18.6–.45 20.72S–.03 68.94W–.06 113–3 4.6b 90 1-153
ISCJB VI 23 21 03 17.1–.35 20.79S–.03 68.96W–.07 118–5 4.1b **¶13681928**
NEIC VI 23 21 03 17.9–.31 20.77S 68.88W 104–4 4.4b
GUC VI 23 21 03 18.0–.82 20.84S 69.24W 120–4 4.7L
IDC VI 23 21 03 19.2–.55 20.78S 68.85W 115–4 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.3km az=177.4.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.0km az=90.0.
GUC Error ellipse: s-maj=1.9km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=15.9km s-min=14.0km az=83.0.
ISC VI 24 21 52 31.3–.89 21.45S–.09 67.27W–.09 181 20 2-145
ISCJB VI 24 21 52 30.5–.69 21.45S–.07 67.23W–.07 181 3.9b **¶13681983**
IDC VI 24 21 52 30.8–1.0 21.61S 67.03W 159–14 3.9b,3.5
GUC VI 24 21 52 31.8–.84 21.58S 67.72W 204–12 4.1L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.8km az=144.0.
IDC Error ellipse: s-maj=35.6km s-min=13.2km az=131.0.
GUC Error ellipse: s-maj=5.6km s-min=13.3km az=-1.0.
ISC VI 25 12 52 01.0–1.1 21.71S–.05 68.7W–.10 118 13 1-146
GUC VI 25 12 51 59.3–.74 21.65S 68.44W 109–8 3.6L **¶13682009**
IDC VI 25 12 51 59.7–1.2 21.89S 67.88W 91–19 3.4,3.4b
ISCJB VI 25 12 52 00.6–.86 21.69S–.05 68.6W–.10 118 3.4b,3.4b
ISC Event type ke.
ISCJB Event type ke.
ISC VI 25 13 43 42.0–.83 21.06S–.05 68.9W–.10 108–10 18 1-77
ISCJB VI 25 13 43 41.2–.58 21.04S–.05 68.8W–.10 110–9 3.6b **¶13682011**
GUC VI 25 13 43 41.9–.58 21.15S 69.06W 117–3 3.8L
IDC VI 25 13 43 43.9–1.6 21.17S 68.57W 105–13 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.7km s-min=7.7km az=166.4.
GUC Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=46.8km s-min=14.4km az=108.0.
ISC VI 26 18 54 48.4–.63 21.21S–.05 68.6W–.10 117 4.6b 27 1-145
ISCJB VI 26 18 54 46.9–.55 21.19S–.05 68.5W–.10 117 4.3b **¶13682081**
NEIC VI 26 18 54 48.3–.70 21.22S 68.56W 118–7 4.5b
IDC VI 26 18 54 48.6–1.3 21.27S 68.38W 114–11 3.8,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=6.8km az=171.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=8.3km az=90.0.
IDC Error ellipse: s-maj=41.0km s-min=15.8km az=111.0.
GUC VI 27 02 02 15.3–.80 22.13S 67.69W 198–9 3.6L ¶14989129
GUC Error ellipse: s-maj=5.1km s-min=8.6km az=-1.0.
IDC VI 28 04 05 09.7–1.2 22.67S 67.41W 156–18 4.2b,3.7 ¶16101809
IDC Error ellipse: s-maj=31.5km s-min=20.8km az=110.0.
ISC VI 29 15 03 52.8–.57 21.06S–.04 68.54W–.07 127–5 3.8b 42 1-158
ISCJB VI 29 15 03 51.8–.41 21.06S–.04 68.55W–.06 133–5 3.9b **¶13682263**
GUC VI 29 15 03 53.0–.58 21.07S 68.71W 127–8 4.9L
IDC VI 29 15 03 53.0–.56 21.09S 68.45W 128–5 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.9km az=169.2.
GUC Error ellipse: s-maj=1.8km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=15.8km s-min=8.5km az=99.0.
ISC VI 30 02 21 43.7–1.2 21.4S–.10 69.0W–.30 108–20 14 0-77
ISCJB VI 30 02 21 42.9–.94 21.41S–.09 69.0W–.30 113–18 3.4b **¶13682293**
GUC VI 30 02 21 43.5–.67 21.42S 69.06W 105–4 3.6L
IDC VI 30 02 21 45.9–1.4 21.60S 68.62W 115–21 3.4b,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=50.9km s-min=8.0km az=164.4.
GUC Error ellipse: s-maj=1.9km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=53.3km s-min=25.3km az=93.0.

(125) Southern Bolivia.

ISC I 03 22 42 44.8–.78 21.08S–.06 66.53W–.06 194 20 3-153
ISCJB I 03 22 42 44.6–.53 21.17S–.05 66.52W–.05 194 4.6b **¶12079981**
IDC I 03 22 42 45.7–1.3 21.00S 66.44W 229–14 4.4b,3.9
GUC I 03 22 42 46.5–.36 20.95S 67.18W 242–24 4.4b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.2km az=143.5.
IDC Error ellipse: s-maj=19.2km s-min=13.4km az=82.0.
GUC Error ellipse: s-maj=4.2km s-min=19.6km az=-1.0.
ISC I 09 06 28 35.5–.49 19.40S–.04 66.81W–.06 251–4 4.6b 565 3-171
ISCJB I 09 06 28 34.9–.43 19.32S–.03 66.79W–.05 250–3 4.5b **¶11534439**
IDC I 09 06 28 35.6–.98 19.26S 66.67W 248–7 4.1b,4.1
GUC I 09 06 28 35.2–.49 19.31S 66.95W 239–11 4.1b,4.1
NEIC I 09 06 28 35.5–.50 19.30S 66.66W 246–4 4.6b,4.1
BJI I 09 06 28 36.5 19.30S 66.60W 243 4.9b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=161.2.
IDC Error ellipse: s-maj=14.3km s-min=10.2km az=48.0.
GUC Error ellipse: s-maj=2.8km s-min=7.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.1km az=73.0.
ISC I 13 11 34 34.3–.71 21.54S–.07 66.45W–.09 181 3.7b 21 3-153
ISCJB I 13 11 34 35.0–.71 21.57S–.06 66.51W–.07 181 3.7b **¶12081180**
IDC I 13 11 34 37.9–1.8 21.32S 66.46W 224–16 3.5,3.4
GUC I 13 11 34 43.5 21.39S 68.45W 296 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=7.1km az=32.2.
IDC Error ellipse: s-maj=18.1km s-min=16.5km az=149.0.
ISC I 24 19 30 16.8–.42 19.05S–.05 67.84W–.06 175–3 5.0b 743 3-171
ISCJB I 24 19 30 16.6–.19 18.92S–.04 67.85W–.04 179 5.0b **¶11617212**
IDC I 24 19 30 17.0–.97 19.07S 67.88W 173–7 4.7,4.7
NEIC I 24 19 30 18.1–.20 18.92S 67.71W 183 5.1b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.1km az=41.5.
IDC Error ellipse: s-maj=14.1km s-min=8.8km az=68.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.7km az=60.0.
IDC I 28 07 56 10.1–1.2 21.98S 63.64W 520–11 3.5,3.4 ¶12082554
IDC Error ellipse: s-maj=17.5km s-min=14.3km az=15.0.
IDC I 28 11 08 42.7–8.3 20.52S 67.64W 204–52 3.5b,3.5 ¶12082564
IDC Error ellipse: s-maj=99.8km s-min=28.0km az=27.0.
IDC I 31 20 08 50.4–13 20.87S 65.34W 428–89 3.2,3.0b ¶12082854
IDC Error ellipse: s-maj=224.7km s-min=39.9km az=22.0.
IDC II 13 04 04 07.5–15 21.08S 65.88W 363–106 3.1b,2.8 ¶15955879
IDC Error ellipse: s-maj=287.4km s-min=36.2km az=8.0.
ISC II 20 07 44 49.9–.45 21.48S–.05 66.67W–.05 219–3 4.4b 342 2-172
ISCJB II 20 07 44 48.1–.42 21.46S–.04 66.58W–.04 205–3 4.3b **¶11712994**
BJI II 20 07 44 49.3 21.50S 66.60W 203 4.9b
NEIC II 20 07 44 49.0–.52 21.51S 66.62W 203–5 4.5b
IDC II 20 07 44 51.0–.74 21.49S 66.52W 224–6 4.2,4.1
GUC II 20 07 44 50.8–.66 21.36S 67.15W 240 5.5L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.8km az=18.3.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.8km az=63.0.
IDC Error ellipse: s-maj=12.0km s-min=10.8km az=69.0.
GUC Error ellipse: s-maj=7.0km s-min=9.1km az=-1.0.
IDC II 21 17 14 29.1–12 20.91S 65.79W 356–84 3.6b,3.2 ¶15956888
IDC Error ellipse: s-maj=233.2km s-min=32.5km az=7.0.
IDC II 23 08 29 02.9–.89 20.42S 63.15W 555–8 3.5,3.4 ¶15957045
IDC Error ellipse: s-maj=15.6km s-min=13.2km az=27.0.
IDC III 15 08 13 40.8–1.6 21.01S 66.41W 250–14 3.3b,3.2 ¶12703336
IDC Error ellipse: s-maj=25.4km s-min=15.7km az=51.0.
GUC III 28 20 22 05.6–.69 20.57S 67.66W 200 3.5L ¶14693528
GUC Error ellipse: s-maj=4.7km s-min=10.3km az=-1.0.
ISC III 29 22 03 57.5–1.1 20.81S–.06 67.9W–.10 166–11 3.4b 24 2-145
ISCJB III 29 22 03 57.7–.89 20.84S–.05 68.0W–.10 180–9 3.3b **¶12635891**
GUC III 29 22 03 57.6–.63 20.88S 68.22W 191–7 3.4L
IDC III 29 22 04 00.1–7.8 20.63S 67.62W 184–52 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=7.4km az=2.9.
GUC Error ellipse: s-maj=2.1km s-min=9.0km az=-1.0.
IDC Error ellipse: s-maj=88.2km s-min=23.1km az=24.0.
IDC IV 13 04 37 59.7–6.9 19.27S 64.72W 353–27 3.3,3.1 ¶16152742
IDC Error ellipse: s-maj=182.1km s-min=28.6km az=19.0.
IDC IV 13 15 14 23.1–1.5 20.45S 67.21W 194–17 3.6,3.4 ¶16152766
IDC Error ellipse: s-maj=24.1km s-min=15.7km az=71.0.
IDC IV 16 19 34 24.2–8.6 20.90S 66.86W 220–59 3.1,3.1b ¶16152855
IDC Error ellipse: s-maj=107.9km s-min=49.7km az=27.0.
IDC IV 18 23 54 14.8–3.6 20.10S 67.70W 185–24 3.4,3.4b ¶16153012
IDC Error ellipse: s-maj=54.3km s-min=23.6km az=37.0.
IDC IV 19 20 32 54.4–1.8 20.76S 67.50W 180–17 3.5,3.4 ¶16153088
IDC Error ellipse: s-maj=21.1km s-min=16.9km az=69.0.
IDC IV 29 17 02 45.7–8.7 20.55S 67.82W 179–76 3.3b,3.1 ¶16154633
IDC Error ellipse: s-maj=122.6km s-min=87.4km az=91.0.
IDC V 03 01 06 04.9–8.2 20.58S 67.83W 198–53 3.2b,3.1 ¶16154853
IDC Error ellipse: s-maj=95.9km s-min=29.9km az=29.0.
ISC V 18 05 50 45.0–.87 21.33S–.06 66.77W–.09 245–11 3.9b 22 2-144
IDC V 18 05 50 40.9–6.3 21.67S 66.69W 212–45 3.7b,3.5 **¶13679160**
ISCJB V 18 05 50 44.7–.69 21.38S–.06 66.9W–.10 261–11 3.9b,3.5
GUC V 18 05 50 45.9–.76 21.47S 67.16W 262–13 4.3L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=67.6km s-min=21.6km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=8.3km az=15.0.
GUC Error ellipse: s-maj=9.7km s-min=13.5km az=-1.0.
IDC V 31 21 23 48.8–8.3 21.43S 65.82W 336–58 3.3b,2.9 ¶16066132
IDC Error ellipse: s-maj=121.3km s-min=38.1km az=18.0.
IDC VI 07 04 16 31.1–3.9 21.02S 66.37W 237–22 3.1,3.0b ¶16101050
IDC Error ellipse: s-maj=97.5km s-min=23.5km az=55.0.
IDC VI 14 09 59 37.1–.77 19.34S 66.93W 270–16 3.9b,3.7 ¶16101313
IDC Error ellipse: s-maj=29.4km s-min=10.6km az=100.0.
ISC VI 16 12 52 13.0–.38 20.70S–.05 66.63W–.06 233 4.3b 98 3-172
BJI VI 16 12 52 10.7 20.80S 66.40W 224 4.9b **¶13115755**
ISCJB VI 16 12 52 12.5–.30 20.73S–.04 66.57W–.05 233 4.2b
NEIC VI 16 12 52 13.6–.60 20.72S 66.57W 229–6 4.4b
IDC VI 16 12 52 13.3–.74 20.64S 66.61W 229–7 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.2km az=12.5.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.2km az=83.0.
IDC Error ellipse: s-maj=11.9km s-min=8.8km az=91.0.
ISC VI 24 21 03 14.5–.81 21.44S–.05 66.9W–.10 227–12 4.3b 55 2-144
ISCJB VI 24 21 03 13.1–.44 21.47S–.04 66.74W–.06 216–6 4.2b **¶13681980**
IDC VI 24 21 03 13.9–.70 21.44S 66.69W 206–10 4.1b,4.0
NEIC VI 24 21 03 14.1–.38 21.48S 66.74W 213–6 4.5b,4.0
GUC VI 24 21 03 15.2–.72 21.44S 67.26W 243–12 5.3L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.5km az=11.4.
IDC Error ellipse: s-maj=16.0km s-min=9.3km az=115.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.3km az=84.0.
GUC Error ellipse: s-maj=4.5km s-min=12.0km az=-1.0.
IDC VI 30 03 47 42.6–1.6 19.90S 64.05W 0 3.8b,3.6L ¶16101885
IDC Error ellipse: s-maj=39.3km s-min=22.8km az=30.0.

(127) Chile-Argentina border region.

GUC I 04 16 59 38.5–.78 34.08S 70.07W 15–5 4.0,3.3L ¶14323009
GUC Error ellipse: s-maj=1.9km s-min=3.8km az=-1.0.
ISC I 04 20 53 26.7–.39 34.44S–.03 70.71W–.05 94–3 4.7b 194 0-166
NEIC I 04 20 53 26.5–.24 34.46S 70.58W 90 5.1b **¶11534692**
ISCJB I 04 20 53 26.0–.30 34.48S–.03 70.60W–.05 95–2 4.4b
GUC I 04 20 53 27.0–.58 34.44S 70.72W 93–3 4.6L
IDC I 04 20 53 27.0–.52 34.45S 70.59W 93–4 4.3b,4.2
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.6km az=86.0. Felt [III] at Curico, Rancagua and San Fernando; [II] at Puente Alto, San Javier, Santiago, Talagante and Talca.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=4.4km az=6.5.
GUC Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=9.8km az=104.0.
IDC I 07 12 47 13.8–1.9 24.19S 67.03W 169–15 3.6,3.5 ¶12080640
IDC Error ellipse: s-maj=27.2km s-min=17.8km az=82.0.
GUC I 11 06 18 05.7–.81 31.75S 70.07W 122–7 3.5L ¶14323083

GUC Error ellipse: s-maj=1.7km s-min=8.8km az=-1.0.
GUC I 11 14 07 39.2–.49 24.03S 67.65W 206–8 4.1L
¶14323085

GUC Error ellipse: s-maj=5.0km s-min=6.5km az=-1.0.
IDC I 11 19 45 11.1–1.6 24.20S 67.17W 152–14 4.0,3.9b
¶12081059

IDC Error ellipse: s-maj=33.8km s-min=13.2km az=96.0.
GUC I 13 04 10 08.1–.39 24.01S 67.32W 200 3.9L
¶14323095

GUC Error ellipse: s-maj=5.7km s-min=5.6km az=-1.0.
GUC I 16 09 54 39.4–.71 29.27S 69.97W 2–2 3.6L
¶14323131

GUC Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0.
GUC I 16 16 23 52.7–.42 23.88S 67.49W 200 4.1L
¶14323134

GUC Error ellipse: s-maj=5.6km s-min=5.9km az=-1.0.
GUC I 21 08 03 23.7–.63 33.85S 70.04W 7–3 3.7,2.4L
¶14323155

GUC Error ellipse: s-maj=2.0km s-min=2.9km az=-1.0.
ISC I 23 12 56 07.8–.21 36.43S–.03 70.91W–.04 122 4.9b 705 1-176
ISCJB I 23 12 56 07.1–.14 36.41S–.03 70.81W–.04 126 4.9b **¶11616520**
GUC I 23 12 56 07.4–.96 36.45S 70.99W 129–10 5.8L
IDC I 23 12 56 08.4–.44 36.40S 70.81W 129–3 4.8,4.7
NEIC I 23 12 56 08.3–.15 36.39S 70.81W 127 4.8b,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.4km az=148.2.
GUC Error ellipse: s-maj=5.0km s-min=10.8km az=-1.0.
IDC Error ellipse: s-maj=12.5km s-min=7.8km az=95.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.1km az=75.0. Felt [III] at Constitucion, Linares, Nuble and Talca; [II] at Cauquenes, Concepcion, Puchuncavi, Rancagua, San Antonio, Santiago, Valparaiso and Vina del Mar.
IDC I 26 20 57 16.8–10 23.77S 67.16W 220–80 3.1,3.0b
¶12082411

IDC Error ellipse: s-maj=112.0km s-min=44.7km az=28.0.
ISC II 02 05 27 30.0–.72 34.67S–.04 70.77W–.05 109–5 4.0b 103 1-156
IDC II 02 05 27 13.9–1.2 35.56S 70.97W 0 4.4,4.2b **¶12699384**
ISCJB II 02 05 27 28.9–.41 34.68S–.03 70.76W–.06 112–3 4.1b,4.2b
NEIC II 02 05 27 29.4 34.67S 70.79W 112 4.5b,4.2b
GUC II 02 05 27 29.4–.44 34.67S 70.79W 112–2 4.4L,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=32.2km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.2km az=22.2.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.0km s-min=2.2km az=-1.0.
ISC II 02 19 45 49.3–1.1 24.31S–.08 68.00W–.09 133–11 26 1-147
IDC II 02 19 45 45.9–4.2 24.15S 68.08W 99–30 4.2,4.2 **¶12699426**
ISCJB II 02 19 45 48.3–.85 24.30S–.07 68.03W–.10 142–12 4.1b,4.2
NEIC II 02 19 45 50.8 24.10S 68.13W 143 4.0,4.2
GUC II 02 19 45 50.8–.29 24.10S 68.13W 143–3 4.0L,4.2
ISC Event type se.
IDC Error ellipse: s-maj=73.7km s-min=26.0km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=11.2km az=6.3.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0.
ISC II 05 04 22 13.7–.82 24.26S–.07 67.05W–.10 169–9 3.7b 26 3-147
ISCJB II 05 04 22 12.9–.77 24.25S–.05 67.05W–.09 173–9 3.5b **¶12699576**
IDC II 05 04 22 13.2–2.3 24.26S 67.01W 162–22 3.6,3.5
GUC II 05 04 22 15.8–.60 24.17S 67.54W 200 4.7L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=8.1km az=170.5.
IDC Error ellipse: s-maj=24.0km s-min=17.6km az=116.0.
GUC Error ellipse: s-maj=13.7km s-min=9.1km az=-1.0.
IDC II 07 15 06 41.7–8.3 23.11S 67.90W 107–75 3.9L,3.6b
¶15955187

IDC Error ellipse: s-maj=47.2km s-min=32.8km az=131.0.
ISC II 10 22 32 08.6–.76 36.97S–.04 70.64W–.05 146–8 4.2b 67 1-158
ISCJB II 10 22 32 08.3–.45 36.93S–.03 70.69W–.08 154–5 4.2b **¶12699940**
NEIC II 10 22 32 08.9–.41 36.96S 70.64W 148–4 4.2b
GUC II 10 22 32 08.8–.91 36.93S 70.77W 155–13 4.4L
IDC II 10 22 32 09.4–1.8 36.94S 70.38W 145–15 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.6km az=6.7.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.5km az=81.0.
GUC Error ellipse: s-maj=6.0km s-min=14.5km az=-1.0.
IDC Error ellipse: s-maj=36.3km s-min=13.4km az=102.0.
ISC II 15 03 16 18.5–.92 31.79S–.04 70.06W–.06 119–8 41 1-151
ISCJB II 15 03 16 17.3–.56 31.78S–.03 70.06W–.06 127–6 3.3b **¶12700744**
GUC II 15 03 16 17.8–.59 31.81S 70.35W 138–3 4.0L,3.8
IDC II 15 03 16 18.7–3.7 31.85S 69.97W 113–28 3.3b,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.0km az=179.7.
GUC Error ellipse: s-maj=1.1km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=59.7km s-min=26.3km az=126.0.
GUC II 15 16 35 35.2–.98 33.32S 70.55W 22–8 3.5,2.5L
¶14323518

GUC Error ellipse: s-maj=6.8km s-min=12.1km az=-1.0.
ISC II 16 02 22 48.6–.34 29.10S–.03 69.83W–.04 82–2 5.6b 1227 1-179
DJA II 16 02 22 41 29.70S 69.65W 10 5.6b **¶11678027**
MOS II 16 02 22 47.3–.86 28.86S 69.77W 72 5.9b
LDG II 16 02 22 47.7–.24 28.73S 69.98W 80 5.4b,4.0s
ISCJB II 16 02 22 47.4–.39 29.02S–.03 69.69W–.04 79–3 5.5b,4.0s
BJI II 16 02 22 48.3 29.00S 69.60W 84 5.3s,5.3b
NEIC II 16 02 22 50.0 29.13S 69.81W 75 5.7b,5.6
GUC II 16 02 22 50.5–.77 29.13S 69.81W 75 5.6L,5.6
IDC II 16 02 22 52.4–.70 29.13S 69.84W 111–6 5.2,5.1
ISC Event type fe.
MOS Error ellipse: s-maj=10.2km s-min=6.0km az=96.8.
LDG Event type ke. Error ellipse: s-maj=23.4km s-min=11.8km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.1km az=163.1.
NEIC Event type fe. Felt [III] at La Rioja and San Juan. Felt [IV] at Coquimbo, La Higuera, La Serena and Vicuna; [III] at Copiapo and Vallenar; [II] at Alto del Carmen, Caldera, Chanaral, Freirina and Huasco, Chile. Also felt at Diego de Almagro, Ovalle and Salamanca. After GUC.
GUC Error ellipse: s-maj=2.0km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=15.7km s-min=8.5km az=70.0.
GUC II 19 12 24 13.3–.47 27.46S 68.95W 88–21 3.5L,3.1
¶14323563

GUC Error ellipse: s-maj=2.8km s-min=10.6km az=-1.0.
GUC II 20 19 18 06.6–.48 33.70S 70.82W 81–2 4.1L,4.0
¶14323579

GUC Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
ISC II 21 15 01 31.9–.58 32.82S–.05 70.08W–.05 105–5 4.3b 348 0-165
ISCJB II 21 15 01 30.9–.30 32.79S–.04 70.02W–.06 102–2 4.4b **¶12701438**
NEIC II 21 15 01 30.0 32.78S 70.27W 112 4.6b
GUC II 21 15 01 30.7–.70 32.78S 70.27W 112–5 4.8L
IDC II 21 15 01 32.4–2.0 32.87S 69.93W 108–16 4.2,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=6.6km az=15.5.
NEIC Event type fe. Felt [III] at Los Andes, San Felipe and Santiago; [II] at La Ligua and Rancagua. After GUC.
GUC Error ellipse: s-maj=4.8km s-min=9.6km az=-1.0.
IDC Error ellipse: s-maj=20.8km s-min=16.6km az=83.0.
ISC II 22 06 39 25.4–.84 24.27S–.06 67.15W–.08 158–9 3.9b 29 2-156
ISCJB II 22 06 39 24.6–.61 24.29S–.04 67.18W–.07 165–7 3.6b **¶12701501**
IDC II 22 06 39 26.5–1.9 24.24S 67.07W 167–17 3.7,3.7
GUC II 22 06 39 29.1–.36 24.29S 67.73W 182–6 4.7L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.1km az=175.3.
IDC Error ellipse: s-maj=20.4km s-min=16.8km az=59.0.
GUC Error ellipse: s-maj=4.1km s-min=5.7km az=-1.0.
ISC II 27 00 01 19.7–.63 28.38S–.04 69.42W–.08 112–6 3.6b 30 1-151

ISCJB II 27 00 01 18.1–.51 28.40S–.04 69.39W–.08 109–7 3.7b **¶12701957**
GUC II 27 00 01 19.7–.65 28.42S 69.46W 93 4.2L
IDC II 27 00 01 21.6–.72 28.38S 68.95W 115–5 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=5.8km az=176.3.
GUC Error ellipse: s-maj=2.1km s-min=9.5km az=-1.0.
IDC Error ellipse: s-maj=26.4km s-min=10.8km az=84.0.
GUC II 28 10 43 57.0–.94 30.66S 69.99W 122–18 3.5L
¶14323690

GUC Error ellipse: s-maj=7.9km s-min=19.3km az=-1.0.
GUC III 01 23 03 53.4–.82 33.16S 70.27W 2–6 3.6,2.6L
¶14693203

GUC Error ellipse: s-maj=2.3km s-min=4.3km az=-1.0.
IDC III 02 08 38 06.8–2.1 24.23S 67.00W 159–22 3.2,3.2
¶12702245

IDC Error ellipse: s-maj=41.4km s-min=18.1km az=111.0.
ISC III 02 10 17 44.8–.71 24.07S–.08 67.18W–.10 181 3.1b 25 1-147
ISCJB III 02 10 17 43.5–.57 24.13S–.06 67.17W–.08 181 3.3b **¶12702255**
IDC III 02 10 17 43.8–1.9 24.15S 67.01W 165–17 3.8s,3.8
GUC III 02 10 17 47.6–.74 24.18S 67.75W 179–28 4.4L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.3km az=151.1.
IDC Error ellipse: s-maj=22.9km s-min=15.9km az=81.0.
GUC Error ellipse: s-maj=22.8km s-min=24.2km az=-1.0.
ISC III 03 11 21 46.8–.57 29.64S–.05 69.86W–.07 124–5 4.1b 56 1-152
ISCJB III 03 11 21 44.5–.54 29.64S–.04 69.82W–.08 122–7 4.0b **¶12702342**
NEIC III 03 11 21 44.0 29.64S 69.68W 100 4.6
GUC III 03 11 21 44.4–.69 29.64S 69.68W 100 4.6L
IDC III 03 11 21 48.3–.69 29.67S 69.58W 128–5 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=6.6km az=2.4.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=3.0km s-min=7.3km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=9.0km az=70.0.
IDC III 03 14 34 28.6–2.2 24.29S 67.06W 165–20 3.6,3.5
¶12702355

IDC Error ellipse: s-maj=34.4km s-min=21.9km az=111.0.
GUC III 04 16 46 54.3–.80 33.11S 70.31W 24–9 3.7,2.9L
¶14693233

GUC Error ellipse: s-maj=2.5km s-min=6.5km az=-1.0.
ISC III 09 04 40 18.8–1.1 23.99S–.08 67.5W–.10 212–10 29 1-147
IDC III 09 04 40 14.3–1.6 24.25S 67.11W 151–15 3.6,3.4 **¶12702776**
ISCJB III 09 04 40 16.7–.76 24.07S–.06 67.5W–.10 218–11 3.3b,3.4
GUC III 09 04 40 18.1–.60 23.97S 67.61W 210–5 4.6L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=13.2km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=9.1km az=10.8.
GUC Error ellipse: s-maj=4.9km s-min=4.9km az=-1.0.
GUC III 12 14 55 32.2–.84 35.16S 70.26W 166–8 3.5,3.4L
¶14693329

GUC Error ellipse: s-maj=6.3km s-min=13.5km az=-1.0.
IDC III 12 16 51 22.4–1.7 24.28S 67.07W 161–17 3.5,3.4
¶12703090

IDC Error ellipse: s-maj=23.4km s-min=15.1km az=85.0.
ISC III 17 09 23 14.0–.96 23.93S–.07 67.07W–.07 175–10 3.4b 29 3-132
ISCJB III 17 09 23 13.5–.71 23.92S–.06 67.10W–.06 185–9 3.3b **¶12703506**
GUC III 17 09 23 15.2–.49 23.75S 67.46W 216–16 4.1L
IDC III 17 09 23 15.1–2.7 23.94S 66.95W 185–25 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=8.6km az=43.2.
GUC Error ellipse: s-maj=5.5km s-min=12.8km az=-1.0.
IDC Error ellipse: s-maj=24.7km s-min=17.2km az=51.0.
GUC III 17 13 05 54.4–.58 33.01S 70.39W 105–2 3.8L
¶14693390

GUC Error ellipse: s-maj=1.7km s-min=4.8km az=-1.0.
IDC III 19 13 38 47.5–3.0 23.74S 67.10W 234–33 3.0,2.9b
¶12703681

IDC Error ellipse: s-maj=69.3km s-min=20.6km az=99.0.
ISC III 19 15 41 16.2–.78 24.34S–.05 67.03W–.07 161–9 4.1b 58 2-147
ISCJB III 19 15 41 15.3–.57 24.38S–.04 67.04W–.07 165–8 3.9b **¶12703693**
IDC III 19 15 41 15.5–1.6 24.33S 67.12W 155–15 3.8b,3.8
NEIC III 19 15 41 16.7–.61 24.38S 67.00W 169–7 4.2b,3.8
GUC III 19 15 41 19.2–.34 24.17S 67.42W 200 4.7L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.5km az=171.6.
IDC Error ellipse: s-maj=23.4km s-min=11.8km az=103.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.3km az=86.0.
GUC Error ellipse: s-maj=11.8km s-min=4.9km az=-1.0.
GUC III 20 06 25 02.4–.39 34.59S 70.38W 20–1 3.9,3.5L
¶14693428

GUC Error ellipse: s-maj=0.6km s-min=2.2km az=-1.0.
GUC III 26 08 00 45.0–.76 33.05S 69.70W 149–7 3.6,3.5L
¶14693490

GUC Error ellipse: s-maj=3.4km s-min=11.4km az=-1.0.
ISC III 27 06 16 19.4–.72 29.14S–.04 69.53W–.07 111–7 4.1b 41 1-152
ISCJB III 27 06 16 18.5–.59 29.19S–.04 69.45W–.09 114–9 4.0b **¶12635682**
NEIC III 27 06 16 19.1 29.10S 69.89W 145 4.3
GUC III 27 06 16 19.1–.67 29.10S 69.89W 145–19 4.3L
IDC III 27 06 16 21.7–4.9 29.24S 69.18W 115–40 3.8,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=7.4km az=176.6.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=6.2km s-min=38.6km az=-1.0.
IDC Error ellipse: s-maj=56.5km s-min=39.6km az=110.0.
GUC III 28 01 25 53.1–.45 24.17S 67.63W 200 3.7L
¶14693509

GUC Error ellipse: s-maj=5.1km s-min=6.5km az=-1.0.
GUC III 28 17 02 48.3–.58 23.87S 67.42W 204–31 3.9L
¶14693520

GUC Error ellipse: s-maj=9.6km s-min=22.6km az=-1.0.
GUC III 28 23 31 50.4–.57 23.72S 67.17W 230 3.6L
¶14693532

GUC Error ellipse: s-maj=6.7km s-min=8.0km az=-1.0.
GUC III 29 12 04 14.5–.31 23.65S 67.37W 240 3.7L,3.3
¶14693545

GUC Error ellipse: s-maj=2.7km s-min=3.5km az=-1.0.
GUC III 29 15 26 57.0–.44 24.03S 67.28W 200 4.3L
¶14693548

GUC Error ellipse: s-maj=4.3km s-min=4.3km az=-1.0.
ISC III 30 06 31 03.4–.76 24.20S–.06 67.10W–.07 181 3.6b 19 2-147
ISCJB III 30 06 31 02.4–.58 24.21S–.05 67.11W–.06 181 3.5b **¶12635920**
IDC III 30 06 31 02.2–1.7 24.19S 67.02W 159–17 3.7,3.6
GUC III 30 06 31 06.0–.45 24.04S 67.46W 192–19 3.9L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.6km az=147.6.
IDC Error ellipse: s-maj=29.5km s-min=14.2km az=96.0.
GUC Error ellipse: s-maj=22.7km s-min=8.3km az=-1.0.
GUC IV 01 12 52 31.5–.78 28.33S 69.10W 100 3.5L
¶14693583

GUC Error ellipse: s-maj=2.9km s-min=7.8km az=-1.0.
ISC IV 07 11 55 53.4–.48 33.15S–.03 70.74W–.05 78–4 4.1b 103 0-155
ISCJB IV 07 11 55 52.7–.33 33.16S–.03 70.71W–.06 86–2 4.1b **¶12934719**
GUC IV 07 11 55 53.6–.56 33.15S 70.76W 74–2 4.6L,4.3
NEIC IV 07 11 55 53.6 33.15S 70.76W 74 4.3b,4.3
IDC IV 07 11 55 53.5–.67 33.14S 70.63W 78–5 4.0,3.9
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.4km az=2.1.
GUC Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0.
NEIC Event type fe. Felt [III] at Valparaiso and [II] at Rancagua and Santiago. After GUC.
IDC Error ellipse: s-maj=20.9km s-min=13.6km az=96.0.
ISC IV 08 10 22 54.2–.51 32.73S–.03 70.22W–.05 100–4 4.5b 481 1-175

ISCJB IV 08 10 22 53.8–.26 32.71S–.03 70.14W–.05 99–2 4.4b ¶12100816
NEIC IV 08 10 22 54.7–.27 32.76S 70.16W 99–2 4.5b,4.5
GUC IV 08 10 22 54.6–.41 32.73S 70.46W 105–2 4.6L,4.3
IDC IV 08 10 22 55.4–1.5 32.78S 70.10W 107–12 4.2,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.7km az=4.3.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.1km az=86.0. Felt [II] at Santiago. Also felt at Colina, Melipilla, Puente Alto, San Bernardo and Valparaiso. Felt [III] at Mendoza, Argentina.
GUC Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=16.8km s-min=11.6km az=97.0.
GUC IV 09 19 25 51.0–1.1 33.18S 70.26W 6–4 3.6,1.8L
¶14693982

GUC Error ellipse: s-maj=5.5km s-min=7.1km az=-1.0.
GUC IV 11 00 40 47.6–.47 35.05S 70.94W 114–3 3.7L,3.6
¶14694082

GUC Error ellipse: s-maj=1.9km s-min=5.2km az=-1.0.
GUC IV 14 03 19 34.9–.93 30.96S 69.51W 154–15 3.7L,3.6
¶14694195

GUC Error ellipse: s-maj=2.5km s-min=14.1km az=-1.0.
IDC IV 15 12 02 39.8–5.4 23.72S 67.61W 192–42 3.3,3.2
¶16152811

IDC Error ellipse: s-maj=48.4km s-min=38.3km az=69.0.
IDC IV 16 16 57 30.5–2.0 24.05S 67.03W 164–20 3.4,3.4b
¶16152851

IDC Error ellipse: s-maj=31.4km s-min=17.8km az=105.0.
IDC IV 21 09 37 05.3–1.7 24.37S 67.02W 162–16 3.5,3.4
¶16153202

IDC Error ellipse: s-maj=24.1km s-min=16.1km az=96.0.
GUC IV 22 10 55 18.5–.56 34.49S 70.13W 14–4 3.6,2.8L
¶14694515

GUC Error ellipse: s-maj=2.1km s-min=4.0km az=-1.0.
IDC IV 27 12 16 38.5–1.6 24.24S 67.23W 144–18 3.8b,3.6
¶16154558

IDC Error ellipse: s-maj=30.1km s-min=14.0km az=96.0.
GUC IV 30 07 13 28.4–.81 23.98S 68.00W 155–11 3.5L
¶14694827

GUC Error ellipse: s-maj=9.3km s-min=8.3km az=-1.0.
IDC IV 30 07 54 35.7–2.1 26.86S 68.95W 0 4.3L,3.7
¶16154661

IDC Error ellipse: s-maj=165.3km s-min=49.4km az=166.0.
IDC V 01 13 11 30.6–7.2 23.78S 67.04W 194–53 3.4,3.4b
¶16154708

IDC Error ellipse: s-maj=68.7km s-min=27.5km az=20.0.
GUC V 05 12 39 06.5–.54 23.63S 67.17W 217–23 3.8L
¶14761447

GUC Error ellipse: s-maj=8.3km s-min=12.5km az=-1.0.
ISC V 06 02 54 34.6–1.1 30.80S–.04 70.4W–.20 108–10 17 1-154
IDC V 06 02 54 24.6–21 29.42S 69.05W 0 3.8,3.4 ¶13678420
GUC V 06 02 54 33.6–.54 30.79S 70.38W 109–5 3.7L,3.4
ISCJB V 06 02 54 33.7–.85 30.81S–.04 70.5W–.20 117–9 3.1b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC V 07 17 06 15.4–.84 29.22S–.04 69.51W–.08 110–9 4.1b 26 2-152
ISCJB V 07 17 06 14.6–.52 29.22S–.03 69.54W–.09 117–8 4.1b ¶13678514
GUC V 07 17 06 15.5–.79 29.25S 69.49W 105–50 4.4L,3.4
IDC V 07 17 06 17.5–2.5 29.25S 69.28W 122–18 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=5.2km az=179.6.
GUC Error ellipse: s-maj=2.7km s-min=24.7km az=-1.0.
IDC Error ellipse: s-maj=39.7km s-min=17.2km az=96.0.
GUC V 07 18 07 13.3–.63 23.80S 67.08W 228–21 4.0L
¶14761484

GUC Error ellipse: s-maj=14.7km s-min=18.9km az=-1.0.
GUC V 07 20 59 04.1–.62 23.58S 67.56W 211–9 3.5L
¶14761487

GUC Error ellipse: s-maj=8.6km s-min=10.2km az=-1.0.
GUC V 08 11 31 40.0–.78 35.04S 70.33W 25–6 3.7,3.0L
¶14761501

GUC Error ellipse: s-maj=4.8km s-min=16.1km az=-1.0.
GUC V 12 12 58 58.1–.49 23.64S 67.25W 232–8 3.5L
¶14761574

GUC Error ellipse: s-maj=5.7km s-min=7.9km az=-1.0.
ISC V 13 01 31 20.2–1.0 24.1S–.10 67.3W–.10 223–12 29 2-147
NEIC V 13 01 31 17.6 24.19S 67.30W 220 4.5 ¶13678849
GUC V 13 01 31 17.6–.72 24.19S 67.30W 220–41 4.5L
ISCJB V 13 01 31 19.7–.89 24.2S–.10 67.3W–.10 220–11 3.1b
IDC V 13 01 31 27.5–4.9 23.38S 66.44W 246–27 3.2,3.0
ISC Event type se.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=16.0km s-min=23.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=14.9km az=10.6.
IDC Error ellipse: s-maj=97.8km s-min=26.0km az=41.0.
ISC V 14 12 45 38.3–1.6 24.1S–.10 67.1W–.10 175–13 3.2b 22 2-128
ISCJB V 14 12 45 38.1–1.1 24.06S–.08 67.10W–.09 181–10 3.1b ¶13678937
IDC V 14 12 45 39.4–6.5 24.04S 66.99W 183–50 3.5,3.4
GUC V 14 12 45 39.9–.36 24.02S 67.36W 190–10 4.4L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=9.6km az=138.1.
IDC Error ellipse: s-maj=56.7km s-min=21.5km az=20.0.
GUC Error ellipse: s-maj=5.2km s-min=5.6km az=-1.0.
IDC V 15 16 48 01.2–7.9 26.36S 68.56W 0 4.0,3.8b
¶16155775

IDC Error ellipse: s-maj=355.4km s-min=54.4km az=20.0.
GUC V 16 14 16 05.7–.56 23.44S 67.31W 235–8 3.6L
¶14761657

GUC Error ellipse: s-maj=4.9km s-min=8.3km az=-1.0.
GUC V 16 17 37 45.5–.42 23.73S 67.47W 250 4.0L
¶14761659

GUC Error ellipse: s-maj=4.4km s-min=5.3km az=-1.0.
ISC V 16 23 22 33.0–1.7 24.2S–.10 67.7W–.20 183–17 22 2-147
IDC V 16 23 22 31.3–7.5 24.32S 67.34W 155–61 3.4,3.4 ¶13679086
ISCJB V 16 23 22 32.2–1.2 24.21S–.08 67.8W–.20 200–18 3.5b,3.4
GUC V 16 23 22 32.1–.40 24.09S 67.83W 202–7 4.4L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=60.9km s-min=34.0km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=26.0km s-min=12.3km az=12.4.
GUC Error ellipse: s-maj=4.0km s-min=5.7km az=-1.0.
GUC V 18 04 47 52.8–.56 24.04S 67.26W 207–16 3.6L
¶14761698

GUC Error ellipse: s-maj=8.9km s-min=9.6km az=-1.0.
GUC V 18 09 15 05.8–.81 34.08S 70.19W 6–1 4.1,3.5L
¶14761703

GUC Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
GUC V 18 09 15 51.7–.55 23.39S 67.21W 226–9 3.7L
¶14761704

GUC Error ellipse: s-maj=5.7km s-min=8.1km az=-1.0.
GUC V 19 04 32 05.6–.65 34.27S 70.05W 8–3 3.6,2.6L
¶14761720

GUC Error ellipse: s-maj=2.8km s-min=3.1km az=-1.0.
GUC V 19 14 47 57.5–.52 23.89S 67.65W 230 3.5L
¶14761726

GUC Error ellipse: s-maj=4.7km s-min=6.4km az=-1.0.
GUC V 20 02 43 18.7–.72 29.02S 69.92W 90 4.2L
¶14761731

GUC Error ellipse: s-maj=2.0km s-min=11.0km az=-1.0.
GUC V 20 09 58 38.1–.44 23.84S 67.42W 228–8 3.5L
¶14761736

GUC Error ellipse: s-maj=5.2km s-min=6.8km az=-1.0.
ISC V 22 21 49 48.7–1.3 23.84S–.08 67.3W–.20 208–16 23 2-147
ISCJB V 22 21 49 47.7–.83 23.88S–.06 67.4W–.20 226–17 3.4b ¶13679439
IDC V 22 21 49 47.2–2.2 23.96S 67.00W 176–23 3.3b,3.2
GUC V 22 21 49 48.4–.60 23.75S 67.54W 221–11 4.4L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.6km s-min=9.1km az=1.5.
IDC Error ellipse: s-maj=38.2km s-min=20.0km az=94.0.
GUC Error ellipse: s-maj=6.2km s-min=9.0km az=-1.0.
GUC V 23 06 52 24.8–.99 34.65S 70.37W 5–4 3.7,3.2L
¶14761772

GUC Error ellipse: s-maj=3.1km s-min=7.9km az=-1.0.
GUC V 23 07 00 43.7–.91 33.49S 70.13W 12–1 3.6,2.6L
¶14761774

GUC Error ellipse: s-maj=2.0km s-min=3.1km az=-1.0.
GUC V 25 02 42 16.6–.52 23.99S 67.49W 211–12 3.6L
¶14761815

GUC Error ellipse: s-maj=9.9km s-min=10.5km az=-1.0.
GUC V 25 17 10 43.0–.63 23.92S 67.52W 229–11 4.1L
¶14761820

GUC Error ellipse: s-maj=6.7km s-min=9.0km az=-1.0.
GUC V 26 09 02 29.6–.58 23.36S 67.19W 215–15 3.5L
¶14762195

GUC Error ellipse: s-maj=12.1km s-min=13.3km az=-1.0.
GUC V 26 09 45 12.2–.40 23.92S 67.45W 241–7 3.6L
¶14762197

GUC Error ellipse: s-maj=5.1km s-min=6.7km az=-1.0.
GUC V 26 11 30 39.1–.82 32.59S 70.99W 71–4 3.5,2.7L
¶14762198

GUC Error ellipse: s-maj=2.5km s-min=4.2km az=-1.0.
GUC V 26 15 32 39.9–.61 23.78S 67.23W 248–11 4.2L
¶14762202

GUC Error ellipse: s-maj=6.9km s-min=10.2km az=-1.0.
IDC V 27 07 21 09.6–1.6 24.20S 67.03W 160–15 3.5,3.4
¶16156214

IDC Error ellipse: s-maj=21.5km s-min=12.5km az=93.0.
ISC V 27 23 22 24.9–.49 23.61S–.04 67.73W–.04 116–4 5.2b 515 1-174
BJI V 27 23 22 22.6 23.58S 68.51W 99 5.2b ¶12866343
ISCJB V 27 23 22 24.3–.46 23.54S–.03 67.67W–.04 120–3 5.1b
IDC V 27 23 22 24.9–1.2 23.57S 67.74W 113–10 4.9,4.8
NEIC V 27 23 22 24.4–.49 23.63S 67.72W 112–4 5.2b,4.8
MOS V 27 23 22 25.5–1.2 23.35S 67.65W 123 5.1b,4.8
GUC V 27 23 22 25.6–.43 23.58S 68.04W 139–3 5.1L,4.8
GCMT V 27 23 22 30.8–.20 23.80S 68.07W 150–1 5.2W,4.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.6km az=140.9.
IDC Error ellipse: s-maj=12.5km s-min=9.1km az=53.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.8km az=65.0.
MOS Error ellipse: s-maj=13.3km s-min=6.6km az=110.0.
GUC Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c82; s81,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.34±.15 $M_{\theta\theta}$-0.06±.21; $M_{\phi\phi}$5.39±.23; $M_{r\theta}$2.44±.13; $M_{\theta\phi}$-3.53±.17; $M_{\theta r}$-3.89±.15; Best double couple: NP1:ϕ_s160.00000°,δ27.00000°,λ-80.00000°. NP2:ϕ_s329.00000°,δ63.00000°,λ-95.00000°. Principal axes: T 8.6200,Plg18.0000°,Azm63.0000°; N -1.7500,Plg5.0000°,Azm331.0000°; P -6.8700,Plg71.0000°,Azm228.0000° $M_0$7.80000×10^{16}
GUC V 27 23 32 57.1–.43 23.96S 67.54W 223–8 4.1L
¶14762377

GUC Error ellipse: s-maj=5.3km s-min=6.4km az=-1.0.
GUC V 28 04 18 47.0–1.1 30.53S 69.43W 0–17 3.6L
¶14762383

GUC Error ellipse: s-maj=4.0km s-min=18.4km az=-1.0.
ISC V 28 10 04 01.1–1.6 23.7S–.10 67.0W–.20 227–25 14 2-76
ISCJB V 28 10 04 00.6–1.2 23.76S–.09 67.1W–.20 238–23 3.4b ¶13679801
GUC V 28 10 04 01.1–.38 23.66S 67.25W 235–6 4.6L
IDC V 28 10 04 04.8–10.0 23.46S 66.70W 240–70 3.3,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.7km s-min=12.9km az=10.8.
GUC Error ellipse: s-maj=4.4km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=110.6km s-min=41.2km az=27.0.
GUC V 28 14 04 30.7–.50 23.76S 67.34W 242–8 3.6L
¶14762387

GUC Error ellipse: s-maj=5.5km s-min=7.8km az=-1.0.
GUC V 28 15 06 53.4–.48 23.48S 67.33W 240 4.3L
¶14762389

GUC Error ellipse: s-maj=5.4km s-min=5.5km az=-1.0.
GUC V 28 20 41 43.8–.51 23.91S 67.51W 216–8 3.8L
¶14762391

GUC Error ellipse: s-maj=8.2km s-min=8.8km az=-1.0.
GUC V 29 13 01 58.3–.46 23.69S 67.27W 248–8 3.9L
¶14762484

GUC Error ellipse: s-maj=5.7km s-min=7.6km az=-1.0.
GUC V 29 17 22 09.3–.70 31.85S 70.01W 138–7 3.5L,3.3
¶14762485

GUC Error ellipse: s-maj=2.6km s-min=9.2km az=-1.0.
GUC V 30 18 04 10.8–.48 23.90S 67.20W 223–12 3.7L
¶14762495

GUC Error ellipse: s-maj=6.9km s-min=8.3km az=-1.0.
ISC VI 02 15 44 58.8–1.0 34.90S–.03 69.53W–.05 9–7 68 1-152
GUC VI 02 15 44 59.6–.58 34.88S 69.58W 9–3 3.9L,3.8 ¶13680236
NEIC VI 02 15 44 59.6 34.88S 69.58W 9 3.9L,3.6b
IDC VI 02 15 45 03.2–6.7 34.70S 69.29W 30–45 4.0L,3.7
ISC Event type fe.
GUC Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
NEIC Event type fe. Felt [IV] at San Rafael. After GUC.
IDC Error ellipse: s-maj=63.7km s-min=28.7km az=115.0.
ISC VI 02 18 08 09.7–.52 23.16S–.07 67.98W–.07 125 4.1b 48 1-146
NEIC VI 02 18 08 07.3–.68 23.37S 67.96W 107–6 4.2b ¶13680241
ISCJB VI 02 18 08 08.2–.41 23.23S–.06 67.93W–.07 125 4.1b
IDC VI 02 18 08 13.1–2.6 22.97S 67.85W 147–22 3.9,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.4km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=7.8km az=164.3.
IDC Error ellipse: s-maj=22.8km s-min=16.2km az=37.0.
GUC VI 04 04 02 09.3–.36 24.00S 67.68W 216–9 3.5L
¶14988596

GUC Error ellipse: s-maj=5.1km s-min=7.2km az=-1.0.
GUC VI 04 05 06 45.9–.49 23.84S 67.52W 220–11 3.8L
¶14988601

GUC Error ellipse: s-maj=7.3km s-min=8.9km az=-1.0.
GUC VI 04 09 46 49.1–.72 33.89S 70.19W 6–1 3.8,2.9L
¶14988605

GUC Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0.
GUC VI 07 19 11 26.9–.92 33.12S 70.31W 11–2 3.7,2.2L
¶14988667

GUC Error ellipse: s-maj=3.6km s-min=5.1km az=-1.0.
GUC VI 07 22 09 45.1–.82 33.14S 70.29W 15–2 3.5,2.4L
¶14988668

GUC Error ellipse: s-maj=2.9km s-min=4.4km az=-1.0.
IDC VI 07 23 57 02.8–1.5 23.86S 67.00W 193–19 3.4,3.3
¶16101081

IDC Error ellipse: s-maj=30.6km s-min=14.2km az=92.0.
GUC VI 09 12 50 55.3–1.1 33.48S 70.97W 89–4 3.7,3.6L
¶14988696

GUC Error ellipse: s-maj=3.8km s-min=5.3km az=-1.0.
IDC VI 12 22 47 42.9–2.0 24.08S 67.01W 169–19 3.1,3.0
¶16101259

IDC Error ellipse: s-maj=37.5km s-min=20.6km az=11.0.
ISC VI 14 00 47 58.7–.82 29.48S–.04 69.38W–.07 104–9 4.1b 26 1-152
ISCJB VI 14 00 47 58.5–.51 29.51S–.04 69.47W–.08 117–7 3.9b ¶13681320
IDC VI 14 00 47 58.8–1.5 29.38S 69.29W 96–12 3.7b,3.6
GUC VI 14 00 48 00.1–.58 29.49S 69.88W 138–8 3.9L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=5.8km az=172.9.

IDC Error ellipse: s-maj=29.7km s-min=11.0km az=80.0.
GUC Error ellipse: s-maj=2.1km s-min=15.8km az=-1.0.
GUC VI 14 03 26 26.0–.75 30.32S 70.62W 85–6 3.9,3.7L ¶14988813

GUC Error ellipse: s-maj=2.6km s-min=23.9km az=-1.0.
GUC VI 15 16 21 44.2–.64 23.86S 67.29W 231–15 4.2L ¶14988831

GUC Error ellipse: s-maj=12.0km s-min=13.9km az=-1.0.
GUC VI 15 18 58 54.0–.57 23.94S 67.48W 223–13 4.7L ¶14988834

GUC Error ellipse: s-maj=7.7km s-min=10.0km az=-1.0.
GUC VI 15 21 08 57.6–.96 34.58S 70.36W 3–3 3.6,3.1L ¶14988835

GUC Error ellipse: s-maj=4.2km s-min=7.4km az=-1.0.
GUC VI 15 21 24 04.9–.63 33.14S 70.30W 15–1 3.6,2.5L ¶14988836

GUC Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0.
GUC VI 16 23 27 01.9–.48 33.01S 70.36W 100–2 3.6L,3.4 ¶14988862

GUC Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0.
GUC VI 18 06 14 17.1–.62 23.89S 67.59W 224–9 3.9L ¶14988905

GUC Error ellipse: s-maj=6.2km s-min=8.4km az=-1.0.
IDC VI 18 07 40 21.2–2.0 25.32S 68.87W 119–7 3.9s,3.9 ¶16101460

IDC Error ellipse: s-maj=61.8km s-min=36.3km az=42.0.
ISC VI 18 08 36 55.7–1.5 23.99S–.08 67.3W–.20 232–15 26 2-147
IDC VI 18 08 36 52.2–1.2 24.15S 66.75W 183–13 2.9,2.9 **¶13681584**
GUC VI 18 08 36 54.0–.56 23.94S 67.36W 236–11 4.3L,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=15.9km az=74.0.
GUC Error ellipse: s-maj=7.1km s-min=9.0km az=-1.0.
IDC VI 19 03 16 10.7–1.2 23.44S 67.86W 100–19 3.7b,3.6 ¶16101489

IDC Error ellipse: s-maj=28.1km s-min=16.2km az=82.0.
IDC VI 22 05 19 21.5–1.3 23.11S 67.73W 102–17 3.9,3.9 ¶16101598

IDC Error ellipse: s-maj=25.2km s-min=16.4km az=132.0.
GUC VI 22 23 29 07.5–.54 23.98S 67.47W 205–12 3.7L ¶14988997

GUC Error ellipse: s-maj=6.7km s-min=8.2km az=-1.0.
GUC VI 26 16 44 14.9–.41 23.76S 67.26W 222–9 3.9L ¶14989084

GUC Error ellipse: s-maj=5.5km s-min=6.5km az=-1.0.
ISC VI 27 02 39 37.3–.92 24.26S–.06 67.22W–.09 168–11 29 2-147
ISCJB VI 27 02 39 36.9–.69 24.22S–.06 67.23W–.09 182–11 3.1b **¶13682112**
IDC VI 27 02 39 36.8–1.1 24.35S 67.16W 161–12 3.4,3.3
GUC VI 27 02 39 39.1–.54 23.97S 67.65W 218–8 4.3L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=8.8km az=169.2.
IDC Error ellipse: s-maj=20.1km s-min=12.9km az=69.0.
GUC Error ellipse: s-maj=5.4km s-min=7.2km az=-1.0.
IDC VI 28 13 29 15.4–1.8 24.20S 67.04W 175–16 3.4,3.3 ¶16101824

IDC Error ellipse: s-maj=23.5km s-min=21.8km az=162.0.
ISC VI 29 13 56 24.2–.93 24.08S–.07 67.10W–.09 173–12 23 2-147
ISCJB VI 29 13 56 23.9–.73 24.06S–.06 67.2W–.10 187–16 3.5b **¶13682259**
IDC VI 29 13 56 24.8–2.0 24.05S 67.10W 171–17 3.5,3.4
GUC VI 29 13 56 27.0–.36 23.77S 67.61W 214–5 4.3L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=9.8km az=177.1.
IDC Error ellipse: s-maj=38.1km s-min=20.0km az=8.0.
GUC Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0.
IDC VI 30 01 02 30.1–1.6 27.46S 68.56W 0 4.1L,3.8b ¶16101882

IDC Error ellipse: s-maj=136.7km s-min=46.4km az=164.0.
ISC VI 30 14 17 15.9–.44 33.43S–.03 70.71W–.04 82–3 4.3b 111 0-156
ISCJB VI 30 14 17 15.1–.33 33.44S–.03 70.71W–.06 89–2 4.0b **¶13682317**
GUC VI 30 14 17 15.7–.81 33.44S 70.83W 82–3 4.7L
NEIC VI 30 14 17 15.7 33.44S 70.83W 82 4.3b
IDC VI 30 14 17 16.1–.55 33.41S 70.54W 79–4 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.2km az=169.2.
GUC Error ellipse: s-maj=1.8km s-min=5.8km az=-1.0.
NEIC Event type fe. Felt [IV] at Casablanca and Santiago; [III] at Rancagua and San Fernando; [II] at Curico, Los Andes, Quillota, San Antonio, Talca and Valparaiso. After GUC.
IDC Error ellipse: s-maj=22.9km s-min=14.0km az=92.0.

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ISC I 05 02 30 52.9–.50 23.91S–.05 66.68W–.07 181 3.9b 47 2-155
ISCJB I 05 02 30 52.4–.40 23.94S–.04 66.64W–.04 181 3.7b **¶12080323**
IDC I 05 02 30 53.8–1.5 23.90S 66.69W 194–14 3.7,3.7
GUC I 05 02 30 56.5–.88 23.74S 67.31W 241–8 4.9L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=44.4.
IDC Error ellipse: s-maj=18.9km s-min=12.4km az=84.0.
GUC Error ellipse: s-maj=9.2km s-min=8.7km az=-1.0.
IDC I 16 17 03 56.9–8.5 22.51S 66.25W 294–62 3.5,3.4b ¶12081455

IDC Error ellipse: s-maj=105.7km s-min=34.8km az=21.0.
IDC I 21 23 51 05.2–3.3 23.79S 66.93W 196–33 3.4b,3.3 ¶12082015

IDC Error ellipse: s-maj=38.1km s-min=28.2km az=96.0.
IDC I 22 01 24 26.0–8.7 23.94S 66.84W 195–64 3.3,3.2b ¶12082020

IDC Error ellipse: s-maj=93.6km s-min=35.2km az=12.0.
IDC I 23 01 58 04.8–10 23.64S 66.34W 217–81 3.0b,3.0 ¶12082090

IDC Error ellipse: s-maj=117.8km s-min=77.3km az=41.0.
IDC I 24 02 53 14.3–6.0 23.79S 66.84W 187–48 3.4,3.3 ¶12082183

IDC Error ellipse: s-maj=53.0km s-min=22.2km az=10.0.
IDC I 25 02 22 44.1–1.9 22.62S 66.02W 251–19 3.3b,3.2 ¶12082274

IDC Error ellipse: s-maj=30.2km s-min=23.2km az=109.0.
ISC I 28 20 02 29.7–1.0 23.44S–.06 66.76W–.08 195–9 4.2b 48 3-166
ISCJB I 28 20 02 28.8–.71 23.49S–.05 66.76W–.07 198–7 4.0b **¶12082607**
IDC I 28 20 02 29.4–1.4 23.50S 66.68W 191–11 4.0,4.0
GUC I 28 20 02 32.7–.36 23.25S 67.42W 245–13 5.1L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=8.0km az=2.6.
IDC Error ellipse: s-maj=16.0km s-min=11.4km az=39.0.
GUC Error ellipse: s-maj=5.3km s-min=11.1km az=-1.0.
IDC I 28 23 18 28.5–2.4 23.07S 66.53W 227–23 3.2b,3.1 ¶12082617

IDC Error ellipse: s-maj=29.7km s-min=22.8km az=94.0.
IDC I 30 02 33 06.9–10 23.57S 66.43W 227–79 2.8b,2.8 ¶12082707

IDC Error ellipse: s-maj=126.5km s-min=78.8km az=46.0.
IDC II 08 11 35 51.3–1.6 23.06S 66.31W 214–14 3.9,3.8 ¶15955215

IDC Error ellipse: s-maj=15.9km s-min=12.6km az=35.0.
IDC II 18 00 55 29.5–10 23.72S 66.70W 209–75 3.0,2.9 ¶15956528

IDC Error ellipse: s-maj=113.2km s-min=35.1km az=24.0.
IDC II 20 23 58 49.3–1.7 24.00S 66.74W 192–15 3.6,3.5 ¶15956846

IDC Error ellipse: s-maj=18.9km s-min=15.0km az=54.0.
IDC II 23 11 31 05.5–1.8 23.98S 66.70W 187–16 3.4,3.4 ¶15957053

IDC Error ellipse: s-maj=21.7km s-min=16.1km az=71.0.
IDC II 23 15 25 10.6–1.6 22.87S 66.03W 228–17 3.4,3.3b ¶15957066

IDC Error ellipse: s-maj=33.6km s-min=13.5km az=95.0.
IDC II 23 23 21 46.8–1.3 22.88S 66.30W 224–14 3.4,3.4b ¶15957091

IDC Error ellipse: s-maj=22.3km s-min=12.5km az=99.0.
IDC III 02 02 44 24.6–1.6 22.93S 66.90W 182–14 3.7,3.6 ¶12702229

IDC Error ellipse: s-maj=18.6km s-min=14.1km az=74.0.
ISC III 05 06 04 58.7–.53 23.97S–.05 66.57W–.06 210–4 4.4b 420 2-169
ISCJB III 05 06 04 57.2–.46 23.95S–.04 66.50W–.05 196–3 4.3b **¶11752988**
NEIC III 05 06 04 58.3–.39 23.97S 66.49W 200–3 4.4b
IDC III 05 06 04 58.1–1.3 23.92S 66.47W 197–10 4.0,3.9b
GUC III 05 06 05 00.2–.53 23.74S 67.11W 248–8 5.1L,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.5km az=144.7.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=59.0.
IDC Error ellipse: s-maj=15.9km s-min=13.0km az=55.0.
GUC Error ellipse: s-maj=5.7km s-min=5.9km az=-1.0.
ISC III 05 18 48 25.2–.82 23.78S–.08 66.6W–.10 195 15 8-146
ISCJB III 05 18 48 23.5–.91 23.92S–.06 66.6W–.10 195 3.5b **¶12702509**
IDC III 05 18 48 28.2–1.9 23.59S 66.37W 222–17 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=8.8km az=171.7.
IDC Error ellipse: s-maj=26.7km s-min=17.4km az=79.0.
ISC III 06 03 05 26.4–.82 23.22S–.06 66.71W–.07 195–8 3.9b 39 3-155
ISCJB III 06 03 05 25.8–.57 23.24S–.05 66.74W–.07 201–7 3.8b **¶12702537**
IDC III 06 03 05 26.7–1.5 23.19S 66.67W 194–14 3.8,3.7b
GUC III 06 03 05 28.8–1.1 23.36S 67.26W 220 4.5L,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=7.6km az=179.7.
IDC Error ellipse: s-maj=16.1km s-min=11.4km az=75.0.
GUC Error ellipse: s-maj=20.6km s-min=14.4km az=-1.0.
ISC III 06 18 34 53.3–.56 23.34S–.06 66.71W–.06 196 3.9b 32 3-166
ISCJB III 06 18 34 52.4–.46 23.33S–.04 66.71W–.04 196 3.8b **¶12702581**
IDC III 06 18 34 53.7–1.6 23.21S 66.69W 192–14 3.8,3.7b
GUC III 06 18 34 56.1–.58 23.11S 67.15W 220 4.7L,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.1km az=143.6.
IDC Error ellipse: s-maj=17.7km s-min=13.9km az=73.0.
GUC Error ellipse: s-maj=9.7km s-min=7.3km az=-1.0.
ISC III 07 17 02 21.9–.86 23.50S–.07 66.52W–.08 188–10 3.9b 27 2-146
ISCJB III 07 17 02 21.6–.63 23.55S–.05 66.56W–.07 198–9 3.7b **¶12702647**
IDC III 07 17 02 23.0–1.5 23.49S 66.48W 200–15 3.6b,3.5
GUC III 07 17 02 24.7–.46 23.24S 67.14W 250 4.5L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=8.9km az=3.2.
IDC Error ellipse: s-maj=17.9km s-min=12.4km az=96.0.
GUC Error ellipse: s-maj=6.3km s-min=5.5km az=-1.0.
IDC III 19 04 59 21.3–2.6 23.90S 66.61W 190–24 3.1b,3.1 ¶12703648

IDC Error ellipse: s-maj=37.1km s-min=21.7km az=71.0.
ISC III 25 22 38 18.3–1.5 23.78S–.09 66.9W–.20 214–18 3.8b 26 2-166
ISCJB III 25 22 38 15.9–.81 23.92S–.06 66.77W–.09 199–9 3.7b **¶12635593**
IDC III 25 22 38 16.8–1.9 23.89S 66.65W 192–17 3.7,3.6b
GUC III 25 22 38 18.1–.62 23.79S 67.23W 230 4.7L,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=9.5km az=12.8.
IDC Error ellipse: s-maj=18.8km s-min=14.2km az=90.0.
GUC Error ellipse: s-maj=8.2km s-min=7.1km az=-1.0.
ISC IV 01 05 25 28.3–.29 22.61S–.05 66.20W–.05 251 4.8b 562 2-172
NEIC IV 01 05 25 27.3–.39 22.62S 66.04W 239–3 4.9b **¶12084404**
ISCJB IV 01 05 25 28.0–.22 22.55S–.04 66.05W–.04 251 4.7b
IDC IV 01 05 25 27.4–1.1 22.69S 66.07W 240–8 4.3,4.3
BJI IV 01 05 25 28.7 22.60S 66.00W 240 5.1b,4.3
GUC IV 01 05 25 29.3–.62 22.57S 66.80W 283–10 5.5L,4.3
LDG IV 01 05 25 29.1–.26 22.10S 65.66W 240 4.8b,4.3
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.8km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.2km az=20.9.
IDC Error ellipse: s-maj=14.4km s-min=11.9km az=51.0.
GUC Error ellipse: s-maj=8.9km s-min=9.4km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=22.6km s-min=14.3km az=141.0.
IDC IV 01 13 45 14.0–1.7 23.05S 66.18W 221–20 3.6,3.5 ¶16152224

IDC Error ellipse: s-maj=34.7km s-min=13.2km az=113.0.
IDC IV 04 10 58 41.6–1.6 23.61S 66.95W 176–18 3.6,3.5 ¶16152353

IDC Error ellipse: s-maj=28.4km s-min=14.3km az=91.0.
IDC IV 05 18 43 03.1–20 22.75S 66.49W 280–130 3.2,3.0 ¶16152425

IDC Error ellipse: s-maj=281.3km s-min=24.3km az=17.0.
ISC IV 08 07 47 48.1–1.3 23.5S–.10 66.7W–.10 206–20 14 3-146
IDC IV 08 07 47 17.7–2.8 25.54S 67.05W 0 3.8,3.8L **¶14693905**
ISCJB IV 08 07 47 48.3–1.3 23.4S–.10 66.8W–.20 231–26 3.3b,3.8L
GUC IV 08 07 47 51.0–.66 23.40S 67.18W 230 4.0L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=62.0km s-min=48.3km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=34.4km s-min=16.6km az=35.7.
GUC Error ellipse: s-maj=7.2km s-min=8.4km az=-1.0.
IDC IV 11 07 43 36.4–1.7 23.86S 66.55W 202–17 3.3,3.2 ¶16152655

IDC Error ellipse: s-maj=21.2km s-min=16.4km az=105.0.
ISC IV 14 10 44 44.8–.98 23.39S–.09 66.67W–.08 201 14 3-146
ISCJB IV 14 10 44 44.0–.84 23.43S–.07 66.67W–.07 201 3.3b **¶12935260**
GUC IV 14 10 44 46.0–.49 23.40S 67.07W 230 3.9L
IDC IV 14 10 44 47.1–5.1 23.18S 66.41W 207–29 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=8.0km az=29.4.
GUC Error ellipse: s-maj=5.8km s-min=7.0km az=-1.0.
IDC Error ellipse: s-maj=90.1km s-min=22.4km az=49.0.
GUC V 02 07 05 25.7–.42 22.35S 66.61W 280 3.7L ¶14761393

GUC Error ellipse: s-maj=11.6km s-min=10.5km az=-1.0.
ISC V 05 15 15 08.0–1.4 23.90S–.09 66.9W–.20 212–18 20 2-146
IDC V 05 15 15 07.0–1.8 23.92S 66.71W 191–17 3.2,3.1 **¶13678397**
ISCJB V 05 15 15 06.5–.66 23.95S–.06 66.8W–.10 213–16 3.4b,3.1
GUC V 05 15 15 09.8–.66 23.73S 67.30W 237–15 4.3L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=17.7km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=9.9km az=178.8.
GUC Error ellipse: s-maj=11.1km s-min=11.9km az=-1.0.
ISC V 11 14 40 38.5–1.2 23.03S–.07 66.7W–.20 227–18 22 2-155
IDC V 11 14 40 37.3–1.7 23.08S 66.41W 200–17 3.7,3.7b **¶13678750**
ISCJB V 11 14 40 37.3–.77 23.05S–.06 66.5W–.10 222–13 3.6b,3.7b
GUC V 11 14 40 39.4–.62 22.99S 66.99W 241–10 4.7L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=15.8km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=8.9km az=16.3.
GUC Error ellipse: s-maj=6.6km s-min=9.6km az=-1.0.
ISC V 12 01 03 58.1–.49 22.35S–.03 66.85W–.04 179–4 5.2b 541 2-173
ISCJB V 12 01 03 57.5–.39 22.30S–.03 66.90W–.04 180–3 5.1b **¶12818712**
MOS V 12 01 03 57.1–1.0 22.07S 66.85W 169 5.2b
IDC V 12 01 03 58.6–.92 22.37S 66.81W 179–7 4.7,4.7
BJI V 12 01 03 58.2 22.20S 66.70W 165 5.1b,4.7
NEIC V 12 01 03 58.1–.36 22.32S 66.81W 175–3 5.2b,4.7
GUC V 12 01 04 00.9–.51 22.42S 67.39W 207–7 5.6L,4.7
GCMT V 12 01 04 05.3–.30 22.36S 67.01W 193–2 5.2W,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=145.9.
MOS Error ellipse: s-maj=10.8km s-min=6.5km az=110.2.

IDC Error ellipse: s-maj=9.3km s-min=7.2km az=76.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.6km az=57.0.
GUC Error ellipse: s-maj=5.2km s-min=6.5km az=-1.0.
GCMT Event type se. Data Used: IU II G CN. Moment Tensor Solution. s30,c36; s43,c66;
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.28±.26 $M_{\theta\theta}$0.75±.35; $M_{\phi\phi}$1.54±.39; $M_{r\theta}$0.16±.23;
$M_{\theta\phi}$0.72±.30; $M_{\phi r}$-6.94±.23; Best double couple: NP1:ϕ_s218.00000°,δ10.00000°,λ-53.00000°.
NP2:ϕ_s0.00000°,δ82.00000°,λ-96.00000°. Principal axes: T 6.8700,Plg37.0000°
,Azm96.0000°; N 0.7500,Plg6.0000°,Azm1.0000°; P -7.6100,Plg52.0000°,Azm264.0000°
$M_0$7.20000×10^{16}

ISC V 12 05 34 53.9–.54 22.98S–.04 66.27W–.05 222–4 4.5b 196 2-173
ISCJB V 12 05 34 52.9–.43 23.02S–.04 66.26W–.04 218–3 4.4b **¶12818725**
NEIC V 12 05 34 53.9–.37 23.03S 66.22W 215–3 4.5b
BJI V 12 05 34 53.8 23.00S 66.20W 214 5.1b
GUC V 12 05 34 55.5–.35 22.90S 66.80W 252–6 5.7L
IDC V 12 05 34 55.0–1.3 23.00S 66.17W 224–11 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.6km az=142.8.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.6km az=54.0.
GUC Error ellipse: s-maj=3.9km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=13.9km s-min=10.5km az=66.0.
IDC V 12 06 11 37.9–1.6 22.56S 65.96W 236–18 3.5b,3.4
¶16155664
IDC Error ellipse: s-maj=25.6km s-min=12.6km az=105.0.
ISC V 13 06 15 18.7–1.1 22.70S–.09 66.8W–.20 236–22 19 2-76
IDC V 13 06 15 18.6–2.0 22.79S 66.69W 230–26 3.3b,3.2 **¶13678862**
ISCJB V 13 06 15 18.2–.74 22.72S–.08 66.8W–.20 248–19 3.4b,3.2
GUC V 13 06 15 20.1–.61 22.93S 66.91W 219–25 4.1L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=44.0km s-min=23.9km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=23.4km s-min=11.3km az=16.8.
GUC Error ellipse: s-maj=12.6km s-min=16.2km az=-1.0.
GUC V 16 12 17 04.0–.42 22.85S 66.77W 250 3.9L
¶14761653
GUC Error ellipse: s-maj=3.9km s-min=5.1km az=-1.0.
ISC V 18 11 45 51.5–.68 22.74S–.05 66.11W–.06 247–6 4.1b 97 3-154
ISCJB V 18 11 45 50.9–.48 22.76S–.05 66.14W–.06 259–6 4.1b **¶13679174**
NEIC V 18 11 45 51.8–.37 22.73S 66.06W 249–4 4.4b
IDC V 18 11 45 52.3–1.4 22.65S 65.97W 252–11 4.0,4.0b
GUC V 18 11 45 53.5–.42 22.65S 66.69W 278–7 5.5L,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=7.8km az=179.3.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=6.1km az=156.0.
IDC Error ellipse: s-maj=15.0km s-min=11.3km az=55.0.
GUC Error ellipse: s-maj=5.1km s-min=7.9km az=-1.0.
ISC V 19 18 45 01.1–.99 23.70S–.07 66.7W–.10 196–17 21 3-146
ISCJB V 19 18 45 01.8–.78 23.63S–.06 66.8W–.10 219–19 3.7b **¶13679252**
IDC V 19 18 45 02.2–1.9 23.68S 66.57W 197–20 3.6b,3.3
GUC V 19 18 45 04.3–.46 23.50S 67.29W 248–27 4.1L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.7km s-min=8.5km az=18.2.
IDC Error ellipse: s-maj=36.6km s-min=19.3km az=112.0.
GUC Error ellipse: s-maj=11.0km s-min=20.2km az=-1.0.
ISC V 19 23 05 15.9–.80 23.89S–.06 66.60W–.07 198–8 3.9b 51 2-146
ISCJB V 19 23 05 15.2–.55 23.91S–.05 66.62W–.06 204–6 3.7b **¶13679268**
IDC V 19 23 05 16.2–1.5 23.86S 66.57W 198–14 3.9,3.8
NEIC V 19 23 05 17.4 23.82S 67.04W 230 4.1b,3.8
GUC V 19 23 05 17.4–.56 23.82S 67.04W 230–15 5.0L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.8km az=172.5.
IDC Error ellipse: s-maj=16.4km s-min=12.7km az=66.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=9.3km s-min=11.2km az=-1.0.
GUC V 21 05 27 18.0–.62 22.17S 66.59W 322–15 4.4L
¶14761747
GUC Error ellipse: s-maj=8.5km s-min=18.3km az=-1.0.
GUC V 26 05 38 39.8–.91 22.49S 66.72W 289–13 4.0L
¶14762194
GUC Error ellipse: s-maj=5.3km s-min=13.5km az=-1.0.
IDC V 31 02 22 56.8–9.0 22.22S 66.19W 279–60 3.2b,3.0
¶16066101
IDC Error ellipse: s-maj=113.5km s-min=34.5km az=23.0.
IDC VI 03 04 16 19.8–2.6 23.99S 66.86W 189–21 3.3,3.2b
¶16100885
IDC Error ellipse: s-maj=29.0km s-min=20.4km az=60.0.
IDC VI 12 23 26 14.7–1.1 23.40S 66.59W 170–16 3.8b,3.7
¶16101262
IDC Error ellipse: s-maj=19.5km s-min=12.8km az=112.0.
IDC VI 13 20 23 41.0–1.6 23.40S 66.45W 173–20 3.4b,3.3
¶16101291
IDC Error ellipse: s-maj=26.6km s-min=15.2km az=100.0.
IDC VI 15 05 31 46.0–.96 22.74S 66.09W 235–14 3.4b,3.2
¶16101347
IDC Error ellipse: s-maj=21.2km s-min=18.3km az=152.0.
IDC VI 19 03 05 50.9–9.8 22.70S 66.10W 224–66 3.5b,3.1
¶16101487
IDC Error ellipse: s-maj=113.7km s-min=37.5km az=24.0.
IDC VI 25 05 15 07.8–1.2 22.89S 66.28W 236–20 3.3b,3.1
¶16101708
IDC Error ellipse: s-maj=30.3km s-min=13.6km az=113.0.
ISC VI 27 08 41 07.1–1.1 22.40S–.06 66.4W–.10 288–16 43 2-93
IDC VI 27 08 41 06.0–1.3 22.59S 66.11W 254–21 3.3,3.3b **¶13682126**
ISCJB VI 27 08 41 06.8–.81 22.50S–.06 66.5W–.20 303–16 3.4b,3.3b
GUC VI 27 08 41 07.5–.57 22.47S 66.73W 290–11 4.5L,3.3b
NEIC VI 27 08 41 10.2–4.1 22.29S 66.50W 271–35 4.5,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=25.2km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=9.6km az=169.7.
GUC Error ellipse: s-maj=6.7km s-min=12.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=58.4km s-min=19.4km az=105.0.

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ISC I 01 23 09 58.7–.77 24.06S–.05 66.70W–.07 188–8 3.9b 60 2-166
IDC I 01 23 09 58.2–1.4 24.05S 66.73W 184–13 3.7,3.6b **¶12079784**
ISCJB I 01 23 09 58.5–.57 24.08S–.04 66.74W–.07 197–7 3.7b,3.6b
NEIC I 01 23 09 59.4–.43 24.06S 66.66W 195–5 4.3b,3.6b
GUC I 01 23 10 02.5–.42 23.98S 66.70W 48–999 4.9L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=12.3km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.6km az=176.8.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.4km az=76.0.
GUC Error ellipse: s-maj=9.3km s-min=18.8km az=-1.0.
IDC I 10 01 33 11.7–1.4 24.00S 66.73W 187–14 3.6,3.5
¶12080908
IDC Error ellipse: s-maj=19.9km s-min=13.2km az=84.0.
ISC I 13 21 32 07.1–.42 24.20S–.05 66.94W–.09 181 4.1b 59 2-169
ISCJB I 13 21 32 06.5–.38 24.17S–.04 66.88W–.08 181 4.0b **¶11594623**
IDC I 13 21 32 06.3–1.6 24.19S 66.91W 167–17 3.9b,3.9
NEIC I 13 21 32 07.5–.67 24.16S 66.93W 181–7 4.3b,3.9
BJI I 13 21 32 08.8 24.20S 66.90W 175 5.2b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.5km az=168.3.
IDC Error ellipse: s-maj=33.6km s-min=13.3km az=98.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.7km az=89.0.
ISC I 19 23 31 54.9–.50 24.25S–.05 66.82W–.09 169 3.9b 46 6-147
ISCJB I 19 23 31 53.8–.41 24.24S–.04 66.76W–.09 169 3.7b **¶12081812**
IDC I 19 23 31 55.2–1.4 24.24S 66.82W 173–12 3.9,3.8
NEIC I 19 23 31 55.4–.63 24.22S 66.81W 176–7 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.7km az=0.4.
IDC Error ellipse: s-maj=17.4km s-min=12.7km az=83.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.7km az=94.0.

IDC I 25 02 18 40.4–1.8 24.07S 66.50W 184–22 3.1b,3.0
¶12082273
IDC Error ellipse: s-maj=41.5km s-min=17.1km az=103.0.
IDC I 26 03 01 43.6–1.2 22.85S 63.71W 526–14 3.8,3.7b
¶12082346
IDC Error ellipse: s-maj=14.7km s-min=12.3km az=42.0.
ISC II 10 05 15 16.7–.65 24.28S–.05 66.82W–.07 185–5 4.2b 340 2-156
ISCJB II 10 05 15 15.3–.54 24.24S–.04 66.81W–.05 177–3 4.1b **¶11678662**
NEIC II 10 05 15 16.8–.46 24.24S 66.78W 183–4 4.3b
GUC II 10 05 15 17.9–.53 23.86S 67.28W 236–6 4.0L,3.8
IDC II 10 05 15 17.3–1.4 24.16S 66.78W 186–11 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.8km az=162.3.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.9km az=68.0.
GUC Error ellipse: s-maj=9.9km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=16.6km s-min=14.3km az=77.0.
IDC II 10 19 01 36.5–1.8 24.23S 66.95W 0 4.2,4.0b
¶15955366
IDC Error ellipse: s-maj=130.4km s-min=89.6km az=86.0.
IDC II 13 17 12 20.0–2.0 24.10S 66.73W 0 3.7,3.6
¶15955967
IDC Error ellipse: s-maj=95.0km s-min=68.9km az=4.0.
IDC II 22 19 13 34.2–1.5 24.20S 66.99W 168–15 3.4,3.3
¶15956965
IDC Error ellipse: s-maj=20.4km s-min=13.6km az=89.0.
ISC III 08 07 12 49.0–1.2 24.15S–.10 66.9W–.10 174–14 3.6b 19 2-147
ISCJB III 08 07 12 48.8–.95 24.14S–.08 66.9W–.10 187–14 3.5b **¶12702695**
IDC III 08 07 12 49.6–2.0 24.12S 66.74W 179–19 3.4b,3.4
GUC III 08 07 12 51.6–.61 23.90S 67.60W 250–20 4.4L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=12.3km az=22.3.
IDC Error ellipse: s-maj=32.2km s-min=16.5km az=107.0.
GUC Error ellipse: s-maj=11.2km s-min=18.8km az=-1.0.
ISC III 16 08 25 19.8–.83 24.05S–.06 66.68W–.08 190–10 3.8b 26 2-146
ISCJB III 16 08 25 19.4–.59 24.07S–.04 66.74W–.08 201–10 3.5b **¶12703409**
IDC III 16 08 25 19.7–1.4 24.02S 66.68W 188–13 3.6,3.5b
GUC III 16 08 25 22.7–.47 23.94S 67.21W 230 4.7L,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.7km az=0.8.
IDC Error ellipse: s-maj=18.7km s-min=12.9km az=96.0.
GUC Error ellipse: s-maj=6.9km s-min=6.6km az=-1.0.
ISC III 28 22 24 26.1–1.1 24.19S–.06 66.76W–.10 186–13 3.2b 23 3-147
IDC III 28 22 24 25.8–1.6 24.18S 66.81W 179–16 3.5,3.3 **¶12635812**
ISCJB III 28 22 24 26.2–.76 24.19S–.05 66.88W–.10 200–11 3.1b,3.3
GUC III 28 22 24 29.6–.48 23.99S 67.28W 220 4.0L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=13.4km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=7.9km az=2.0.
GUC Error ellipse: s-maj=6.7km s-min=6.1km az=-1.0.
IDC III 30 03 00 37.3–1.6 24.08S 66.93W 170–15 3.6,3.6b
¶12635908
IDC Error ellipse: s-maj=24.2km s-min=12.9km az=101.0.
IDC III 31 23 36 37.2–7.7 24.24S 66.99W 162–57 3.3,3.2b
¶12636060
IDC Error ellipse: s-maj=70.3km s-min=31.2km az=20.0.
IDC IV 01 17 27 27.3–1.9 24.09S 66.58W 189–18 3.5,3.5b
¶16152234
IDC Error ellipse: s-maj=30.9km s-min=17.9km az=110.0.
ISC IV 03 18 51 48.2–.53 24.16S–.04 66.82W–.05 165–4 4.6b 535 3-174
ISCJB IV 03 18 51 48.2–.48 24.16S–.03 66.87W–.04 171–4 4.5b **¶12086168**
NEIC IV 03 18 51 49.2–.45 24.16S 66.80W 172–4 4.6b
IDC IV 03 18 51 50.2–1.1 24.11S 66.83W 178–9 4.4,4.3
GUC IV 03 18 51 52.5–.42 24.12S 66.88W 49–41 5.6L,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=161.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.8km az=73.0.
IDC Error ellipse: s-maj=13.3km s-min=8.8km az=83.0.
GUC Error ellipse: s-maj=9.9km s-min=29.8km az=-1.0.
ISC IV 07 11 08 23.5–.46 22.17S–.07 63.72W–.08 528 3.8b 43 7-153
ISCJB IV 07 11 08 22.5–.38 22.26S–.05 63.77W–.07 528 3.8b **¶16152503**
IDC IV 07 11 08 23.1–.92 22.16S 63.66W 521–9 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.3km az=162.0.
IDC Error ellipse: s-maj=13.8km s-min=10.0km az=56.0.
ISC IV 07 21 46 01.5–.95 24.01S–.08 66.63W–.08 195–13 24 3-129
ISCJB IV 07 21 46 01.0–.67 24.03S–.06 66.66W–.08 202–12 3.5b **¶12934760**
IDC IV 07 21 46 01.8–1.8 24.07S 66.57W 198–17 3.4,3.4b
GUC IV 07 21 46 03.3–.63 23.72S 67.08W 245–22 3.8,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=9.5km az=169.3.
IDC Error ellipse: s-maj=21.8km s-min=19.5km az=92.0.
GUC Error ellipse: s-maj=11.9km s-min=20.3km az=-1.0.
IDC IV 18 05 34 23.2–2.6 24.18S 66.51W 168–27 3.3,3.1
¶16152969
IDC Error ellipse: s-maj=51.1km s-min=20.1km az=94.0.
ISC IV 20 07 39 20.0–.78 24.02S–.06 66.70W–.08 192–11 21 3-146
ISCJB IV 20 07 39 19.8–.65 24.03S–.05 66.72W–.09 201–12 3.1b **¶12935757**
IDC IV 20 07 39 20.0–1.5 24.07S 66.71W 191–14 3.2,3.1
GUC IV 20 07 39 24.5–.59 23.65S 67.19W 230 4.3L,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=8.8km az=179.7.
IDC Error ellipse: s-maj=23.1km s-min=13.8km az=96.0.
GUC Error ellipse: s-maj=7.8km s-min=6.6km az=-1.0.
ISC IV 26 03 18 56.6–.42 24.03S–.06 66.76W–.09 181 4.1b 270 2-156
ISCJB IV 26 03 18 55.7–.25 24.02S–.04 66.75W–.07 181 4.1b **¶12936248**
NEIC IV 26 03 18 56.7–.83 24.05S 66.64W 184–7 4.3b
IDC IV 26 03 18 57.1–1.6 23.99S 66.76W 186–14 3.8,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.6km az=162.6.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.7km az=78.0.
IDC Error ellipse: s-maj=17.5km s-min=13.3km az=62.0.
IDC V 03 17 11 57.8–4.2 24.35S 66.97W 145–31 3.7s,3.7
¶16154868
IDC Error ellipse: s-maj=47.4km s-min=30.3km az=39.0.
ISC V 12 08 46 21.6–.66 24.08S–.05 66.93W–.06 181–6 4.0b 83 2-147
IDC V 12 08 46 20.7–1.4 24.08S 66.89W 172–11 4.0,3.9 **¶12840124**
ISCJB V 12 08 46 20.2–.45 24.09S–.04 66.90W–.06 179–6 3.9b,3.9
NEIC V 12 08 46 21.5–.40 24.09S 66.88W 178–4 4.2b,3.9
GUC V 12 08 46 23.6–.46 23.84S 67.36W 212–5 5.2L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=11.7km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.0km az=173.9.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.0km az=82.0.
GUC Error ellipse: s-maj=5.3km s-min=3.9km az=-1.0.
ISC V 27 05 06 15.3–.45 24.25S–.05 66.98W–.08 181 4.1b 73 2-155
IDC V 27 05 06 13.1–1.4 24.14S 66.96W 158–12 4.0,3.9 **¶13679720**
ISCJB V 27 05 06 14.2–.30 24.27S–.04 66.91W–.07 181 4.1b,3.9
NEIC V 27 05 06 14.2–.59 24.24S 66.88W 165–5 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=10.2km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.6km az=164.6.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.8km az=69.0.
NEIC V 28 14 47 17.0 24.16S 65.06W 22 4.0
¶14648359
NEIC Event type fe. Felt [III] at San Salvador de Jujuy. After SJA.
ISC V 28 18 37 48.4–1.3 24.17S–.10 64.84W–.09 35 13 4-75
ISCJB V 28 18 37 46.7–1.1 24.08S–.08 64.76W–.09 33 3.9b **¶13679840**
NEIC V 28 18 37 48.7–1.3 24.21S 64.91W 50–19 4.1
IDC V 28 18 37 48.4–6.5 24.15S 64.78W 35–40 4.0L,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=10.0km az=136.5.

NEIC Event type fe. Error ellipse: s-maj=22.4km s-min=12.4km az=207.0. Felt [III] at San Salvador de Jujuy.
IDC Error ellipse: s-maj=66.5km s-min=23.3km az=48.0.
ISC VI 04 16 21 33.3–.39 24.18S–.06 66.71W–.09 195 4.0b 295 8-174
ISCJB VI 04 16 21 32.4–.26 24.09S–.05 66.68W–.07 195 4.0b **¶13077427**
IDC VI 04 16 21 32.9–1.5 24.05S 66.65W 189–14 4.1,4.0
BJI VI 04 16 21 33.6 24.10S 66.60W 180 5.1b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.0km az=152.0.
IDC Error ellipse: s-maj=14.0km s-min=9.9km az=73.0.
IDC VI 13 03 04 05.8–1.4 24.27S 66.95W 170–14 3.6,3.6b
¶16101264
IDC Error ellipse: s-maj=22.0km s-min=16.6km az=17.0.
IDC VI 16 16 13 32.6–4.0 24.09S 66.97W 174–34 3.3,3.3
¶16101409
IDC Error ellipse: s-maj=64.6km s-min=28.2km az=170.0.
ISC VI 17 04 38 53.5–.79 24.20S–.05 66.86W–.07 176–8 3.9b 53 2-147
ISCJB VI 17 04 38 52.8–.55 24.19S–.04 66.86W–.07 183–6 3.9b **¶13681513**
IDC VI 17 04 38 53.5–.90 24.20S 66.78W 174–8 3.9,3.8
NEIC VI 17 04 38 53.4–1.1 24.21S 66.78W 177–15 4.1b,3.8
GUC VI 17 04 38 55.6–.32 23.91S 67.39W 234–7 5.1L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=6.7km az=170.0.
IDC Error ellipse: s-maj=13.9km s-min=9.7km az=72.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=10.3km az=90.0.
GUC Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.
IDC VI 19 01 35 25.0–1.6 24.22S 66.96W 157–22 3.2,3.1
¶16101486
IDC Error ellipse: s-maj=27.0km s-min=17.7km az=94.0.
IDC VI 20 16 05 35.2–1.4 24.05S 66.78W 193–18 3.4,3.3
¶16101539
IDC Error ellipse: s-maj=25.2km s-min=20.9km az=137.0.

(130) Catamarca Province.

ISC I 15 21 31 21.7–.58 26.53S–.06 67.25W–.09 150 4.2b 34 4-158
ISCJB I 15 21 31 20.6–.50 26.48S–.05 67.31W–.09 150 4.2b **¶12081379**
NEIC I 15 21 31 21.4–.90 26.57S 67.03W 132–10 4.3b
IDC I 15 21 31 21.7–2.9 26.57S 67.03W 131–23 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.3km az=21.9.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.1km az=111.0.
IDC Error ellipse: s-maj=42.7km s-min=17.9km az=123.0.
IDC II 07 12 32 55.0–13 27.72S 66.36W 0 3.9,3.9
¶15955181
IDC Error ellipse: s-maj=790.7km s-min=116.8km az=3.0.
IDC II 10 07 53 05.4–5.0 25.09S 67.59W 0 4.0,3.8
¶15955353
IDC Error ellipse: s-maj=204.7km s-min=50.9km az=179.0.
IDC II 22 13 03 00.6–3.7 27.52S 67.23W 129–28 3.8b,3.6
¶15956940
IDC Error ellipse: s-maj=54.3km s-min=19.0km az=128.0.
ISC III 16 01 56 48.8–.45 27.95S–.04 66.67W–.06 161–4 4.2b 438 3-171
ISCJB III 16 01 56 46.0–.52 27.95S–.03 66.59W–.04 143–4 4.2b **¶11888794**
GUC III 16 01 56 48.3–.95 27.84S 66.81W 160 5.8L
NEIC III 16 01 56 49.5–.22 27.99S 66.66W 171 4.3b
IDC III 16 01 56 50.0–.61 27.86S 66.49W 169–5 4.2,4.1
BJI III 16 01 56 49.4 27.90S 66.60W 147 4.8b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.5km az=178.0.
GUC Error ellipse: s-maj=4.7km s-min=7.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.8km az=107.0.
IDC Error ellipse: s-maj=14.5km s-min=12.9km az=44.0.
ISC IV 03 17 54 48.0–.41 27.90S–.04 66.59W–.04 156–3 5.4b 1281 4-177
ISCJB IV 03 17 54 44.2–.65 27.77S–.03 66.61W–.03 125–5 5.4b **¶12086165**
BJI IV 03 17 54 45.5 27.25S 67.46W 139 5.3b
MOS IV 03 17 54 46.8–1.2 27.80S 66.49W 156 5.5b
IDC IV 03 17 54 48.4–.99 27.86S 66.52W 153–8 5.1,5.1
NEIC IV 03 17 54 50.4–.14 27.84S 66.59W 174 5.7W,5.7W
GCMT IV 03 17 54 53.9–.10 28.09S 66.71W 180–0 5.7W,5.7W
DJA IV 03 17 55 19.8–8.9 29S–41 66W–28 416–82 5.9b,5.5b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] in the Cordoba-Tinogasta area. Moment Tensor Solution. s39 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.59 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$1.95 $M_{r\theta}$2.59 $M_{\theta\phi}$-1.91 $M_{\phi r}$-1.01 Best double couple: NP1:ϕ_s186.00000°,δ35.00000°,λ-27.00000°. NP2:ϕ_s298.00000°,δ75.00000°,λ-122.00000°. Principal axes: T 3.9600,Plg23.0000°,Azm52.0000° ; N -0.2900,Plg31.0000°,Azm307.0000°; P -3.6700,Plg49.0000°,Azm172.0000° M_o3.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=226, per= 50. Moment Tensor Solution. s100,c193; s56,c61; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.23±.04 $M_{\theta\theta}$-0.25±.05; $M_{\phi\phi}$2.48±.06; $M_{r\theta}$2.56±.03; $M_{\theta\phi}$-2.53±.04; $M_{\phi r}$-0.41±.04; Best double couple: NP1:ϕ_s183.00000°,δ43.00000°,λ-31.00000°. NP2:ϕ_s297.00000°,δ69.00000°,λ-129.00000°. Principal axes: T 4.4500,Plg15.0000°,Azm54.0000°; N -0.2600,Plg36.0000°,Azm313.0000° ; P -4.1900,Plg50.0000°,Azm163.0000° M_o4.30000×10^{17}
ISC IV 03 22 39 49.1–.78 27.95S–.04 66.68W–.06 157–8 4.4b 100 3-159
IDC IV 03 22 39 48.5–1.3 27.88S 66.64W 145–12 4.0,4.0b **¶12934364**
ISCJB IV 03 22 39 48.5–.54 27.96S–.03 66.70W–.06 168–7 4.1b,4.0b
NEIC IV 03 22 39 49.4–.44 27.92S 66.66W 157–5 4.5b,4.0b
GUC IV 03 22 39 50.4–.41 28.01S 66.78W 172–70 5.7L,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=10.2km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=5.1.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.7km az=110.0.
GUC Error ellipse: s-maj=3.4km s-min=30.6km az=-1.0.
IDC IV 16 20 29 28.2–1.5 27.88S 66.52W 147–15 3.5b,3.4
¶16152856
IDC Error ellipse: s-maj=32.1km s-min=13.9km az=114.0.
IDC VI 20 17 03 58.6–1.3 27.68S 67.60W 114–13 3.9b,3.3
¶16101542
IDC Error ellipse: s-maj=29.0km s-min=11.0km az=90.0.

(132) Santiago del Estero Province.

ISC I 03 21 15 01.2–.28 28.57S–.04 62.95W–.05 622–2 5.2b 1104 5-177
DJA I 03 21 13 48 26.30S 64.24W 10 6.1b **¶11527884**
ISCJB I 03 21 15 00.1–.30 28.48S–.04 62.84W–.04 615–4 5.2b
IDC I 03 21 15 01.8–.39 28.52S 62.93W 627–4 4.7,4.7
NEIC I 03 21 15 01.6–.11 28.54S 63.01W 627 5.1b,4.7
MOS I 03 21 15 01.0–1.0 28.47S 63.00W 624 4.9b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=31.5.
IDC Error ellipse: s-maj=10.0km s-min=8.0km az=53.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.5km az=90.0.
MOS Error ellipse: s-maj=13.2km s-min=8.0km az=99.6.
IDC II 10 00 56 19.4–2.5 28.41S 65.33W 102–27 3.7b,3.6
¶15955343
IDC Error ellipse: s-maj=66.8km s-min=20.0km az=128.0.

(134) Off coast of central Chile.

ISC I 01 03 56 32.3–1.9 33.84S–.03 72.55W–.05 8–12 4.0b 89 1-157
NEIC I 01 03 56 28.5 33.80S 72.72W 0 4.6L **¶12079731**
GUC I 01 03 56 28.5–.83 33.80S 72.72W 0–3 4.6L
IDC I 01 03 56 31.1–.81 33.86S 72.27W 0 4.2,4.1
ISC Event type se.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=31.1km s-min=21.9km az=59.0.
ISC I 02 21 12 58.1–3.1 30.15S–.04 72.02W–.07 16–19 4.1b 60 1-162
IDC I 02 21 12 55.3–1.1 30.19S 72.14W 0 4.2,4.0 **¶12079853**
ISCJB I 02 21 12 55.9–1.7 30.18S–.03 72.22W–.09 16–11 4.0b,4.0
NEIC I 02 21 12 56.0 30.12S 72.19W 26 4.2b,4.1L
GUC I 02 21 12 56.2–.89 30.13S 72.20W 26–6 4.3,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=25.4km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=5.6km az=179.1.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.7km s-min=5.1km az=-1.0.
ISC I 03 15 31 00.1–.84 28.96S–.07 72.57W–.09 27–5 4.3b 32 2-154
GUC I 03 15 30 59.8–.49 28.98S 72.40W 37–7 4.0L **¶12079909**
ISCJB I 03 15 30 59.2–2.6 29.02S–.05 72.62W–.07 33–19 4.0b
IDC I 03 15 31 00.7–.66 28.94S 72.65W 28–4 4.0,3.9
ISC Event type ke.
GUC Error ellipse: s-maj=2.7km s-min=4.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.5km az=151.3.
IDC Error ellipse: s-maj=26.3km s-min=16.7km az=80.0.
GUC I 08 03 32 23.5–.43 30.34S 72.08W 43–1 3.8,3.0L
¶14323045
GUC Error ellipse: s-maj=1.0km s-min=2.9km az=-1.0.
ISC I 11 20 56 52.1–1.0 38.15S–.06 74.17W–.10 18 4.3b 37 1-97
IDC I 11 20 56 49.6–1.2 38.25S 74.00W 0 4.0b,4.0 **¶11659111**
ISCJB I 11 20 56 50.8–.72 38.08S–.04 74.20W–.08 18 4.0b,3.7s
ISC Event type ke.
ISCJB Event type ke.
ISC I 14 05 39 22.8–1.7 32.86S–.03 72.22W–.07 8–9 43 1-156
ISCJB I 14 05 39 22.3–1.1 32.84S–.03 72.27W–.05 9–6 3.5b **¶12081249**
IDC I 14 05 39 22.1–2.9 32.88S 72.04W 0 3.9,3.7
GUC I 14 05 39 23.9–.47 32.86S 72.17W 8–1 4.0,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.5km az=160.1.
IDC Error ellipse: s-maj=89.6km s-min=49.2km az=32.0.
GUC Error ellipse: s-maj=0.9km s-min=1.7km az=-1.0.
ISC I 15 20 38 22.4–1.9 32.54S–.03 72.11W–.07 6–11 4.0b 60 1-153
ISCJB I 15 20 38 21.9–1.4 32.54S–.04 72.23W–.05 13–10 3.9b **¶12081365**
IDC I 15 20 38 21.4–1.1 32.52S 72.10W 0 4.0,3.9b
GUC I 15 20 38 23.0–.80 32.54S 72.11W 6–8 4.0L,3.9b
NEIC I 15 20 38 23.0 32.54S 72.11W 6 4.0L,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.8km az=162.5.
IDC Error ellipse: s-maj=46.4km s-min=26.3km az=85.0.
GUC Error ellipse: s-maj=1.8km s-min=8.7km az=-1.0.
NEIC Event type se. After GUC.
GUC I 26 18 16 53.5–.70 32.56S 72.07W 5–3 3.7,3.3L
¶14323280
GUC Error ellipse: s-maj=1.7km s-min=5.1km az=-1.0.
GUC II 02 03 01 11.5–.60 32.31S 72.37W 27–3 3.6,3.5L
¶14323365
GUC Error ellipse: s-maj=1.7km s-min=3.4km az=-1.0.
GUC II 03 19 11 41.2–.55 32.98S 72.01W 19–9 3.8L,3.7
¶14323390
GUC Error ellipse: s-maj=1.1km s-min=2.3km az=-1.0.
ISC II 03 19 39 19.4–1.9 32.98S–.03 72.07W–.06 12–11 4.4b 67 1-156
ISCJB II 03 19 39 19.1–1.1 32.97S–.03 72.14W–.06 23–6 4.3b,3.8s **¶12699489**
GUC II 03 19 39 21.5–.52 32.98S 71.99W 15–3 4.2L,4.1
NEIC II 03 19 39 21.6–2.1 32.98S 71.99W 27–15 4.5b,4.2L
IDC II 03 19 39 23.7–4.8 33.06S 71.89W 39–40 4.1,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.9km az=165.4.
GUC Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=5.2km az=85.0. Felt [II] at Santiago.
IDC Error ellipse: s-maj=36.4km s-min=22.3km az=109.0.
GUC II 03 20 20 18.4–.77 33.03S 72.04W 12–3 3.7,2.9L
¶14323391
GUC Error ellipse: s-maj=4.0km s-min=4.4km az=-1.0.
ISC II 04 20 50 59.0–.63 32.98S–.03 72.04W–.08 21–4 4.5b,4.0s 90 0-156
IDC II 04 20 50 56.0–.76 32.96S 71.86W 0 4.5,4.4L **¶12699555**
ISCJB II 04 20 50 58.0–.88 32.98S–.03 72.10W–.05 25–5 4.3b,3.9s
NEIC II 04 20 50 59.1 32.98S 72.04W 26 4.5L,4.4b
GUC II 04 20 50 59.1–.87 32.98S 72.04W 26–10 4.5L,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=17.8km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.0km az=159.9.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.1km s-min=5.5km az=-1.0.
GUC II 04 20 54 05.2–.64 33.02S 72.05W 78–23 3.8L,3.8
¶14323404
GUC Error ellipse: s-maj=2.6km s-min=8.1km az=-1.0.
GUC II 04 22 42 48.0–.63 32.97S 72.02W 15–175 3.5L,3.4
¶14323407
GUC Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0.
ISC II 04 23 22 00.0–1.8 32.97S–.03 72.10W–.06 11–10 4.4b,3.9s 76 0-156
IDC II 04 23 21 59.1–.98 32.93S 71.83W 0 4.3,4.3L **¶12699564**
ISCJB II 04 23 22 00.5–.90 32.95S–.03 72.12W–.05 24–6 4.3b,3.8s
GUC II 04 23 22 01.9–.75 32.97S 72.03W 13–3 4.3L,3.8s
NEIC II 04 23 22 01.9 32.97S 72.03W 13 4.4b,4.3L
ISC Event type fe.
IDC Error ellipse: s-maj=35.5km s-min=19.7km az=104.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.7km az=154.4.
GUC Error ellipse: s-maj=2.4km s-min=5.0km az=-1.0.
NEIC Event type fe. Felt [III] at Santiago and [II] at Quillota and Zapallar. After GUC.
ISC II 05 00 01 24.5–2.0 32.97S–.03 72.04W–.05 18–11 4.2b 89 0-156
IDC II 05 00 01 22.6–.93 32.88S 71.80W 0 4.1,4.1b **¶12699566**
NEIC II 05 00 01 23.8 33.11S 72.18W 35 4.3L,3.7b
ISCJB II 05 00 01 24.1–.89 32.98S–.03 72.13W–.05 27–7 4.0b,3.7b
GUC II 05 00 01 25.4–.80 32.98S 72.03W 24–9 4.3L,3.7b
ISC Event type fe.
IDC Error ellipse: s-maj=26.3km s-min=18.3km az=143.0.
NEIC Event type fe. Felt [II] at Maipo, Puchuncavi, Santiago, Valparaiso and Zapallar. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.5km az=166.6.
GUC Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0.
GUC II 17 12 44 50.4–.73 32.61S 72.06W 27–5 3.8,3.5L
¶14323538
GUC Error ellipse: s-maj=1.7km s-min=3.8km az=-1.0.
GUC II 17 13 53 07.4–.90 32.62S 72.10W 15–11 3.8,3.1L
¶14323540
GUC Error ellipse: s-maj=2.7km s-min=12.1km az=-1.0.
GUC II 25 03 18 51.7–.69 33.94S 72.15W 35–4 3.5,2.5L
¶14323652
GUC Error ellipse: s-maj=4.3km s-min=4.8km az=-1.0.
ISC III 01 00 57 44.9–2.4 32.70S–.05 73.01W–.07 0–14 4.4b,3.6s 55 1-165
IDC III 01 00 57 44.8–.64 32.85S 73.11W 0 4.5L,4.3 **¶12702156**
ISCJB III 01 00 57 46.4–1.3 32.73S–.04 73.03W–.04 18–10 4.1b,3.7s
GUC III 01 00 57 47.5–.76 32.77S 72.94W 25–3 4.2L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=19.6km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.7km az=139.7.
GUC Error ellipse: s-maj=3.1km s-min=4.7km az=-1.0.
ISC III 04 07 31 35.3–2.1 39.24S–.04 74.83W–.06 15–12 4.4b,3.8s 63 1-162
ISCJB III 04 07 31 32.4–2.0 39.17S–.03 75.10W–.06 16–15 4.4b,3.8s **¶12702405**
IDC III 04 07 31 32.7–.82 39.30S 75.10W 0 4.7L,4.4
NEIC III 04 07 31 35.0 39.22S 74.97W 42 4.8b,4.4
GUC III 04 07 31 35.7–.76 39.22S 74.97W 42–13 4.6L,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.8km az=179.0.
IDC Error ellipse: s-maj=23.7km s-min=19.2km az=71.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.2km s-min=12.5km az=-1.0.
ISC III 04 08 02 38.3–3.8 39.36S–.05 74.91W–.08 2–23 3.9b 29 1-162
ISCJB III 04 08 02 37.0–1.8 39.30S–.04 75.04W–.09 10–14 3.7b **¶12702408**
IDC III 04 08 02 38.4–1.1 39.55S 75.06W 0 4.3L,4.0
GUC III 04 08 02 40.2–.94 39.42S 74.94W 37–5 4.0L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.7km az=168.0.
IDC Error ellipse: s-maj=27.5km s-min=22.9km az=84.0.

GUC Error ellipse: s-maj=2.5km s-min=7.1km az=-1.0.
ISC III 06 21 03 57.3–1.7 31.27S–.03 72.15W–.06 8–10 4.4b 84 1-155
IDC III 06 21 03 56.4–.69 31.30S 72.05W 0 4.5,4.5b ¶12702588
ISCJB III 06 21 03 57.7–1.2 31.26S–.03 72.21W–.07 21–7 4.5s,4.3b
NEIC III 06 21 03 57.4–1.4 31.27S 72.17W 8–7 4.7L,4.4b
GUC III 06 21 03 58.6–.78 31.29S 72.14W 37–3 4.7L,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=19.5km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=4.4km az=177.1.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.1km az=93.0.
GUC Error ellipse: s-maj=1.7km s-min=4.4km az=-1.0.
GUC III 24 05 09 32.3–.60 33.04S 72.04W 20 3.7,2.5L
¶14693459

GUC Error ellipse: s-maj=3.8km s-min=4.1km az=-1.0.
ISC III 24 06 22 44.8–2.0 28.27S–.04 72.20W–.07 9–11 4.7b,4.2s 459 1-178
IDC III 24 06 22 43.5–.51 28.34S 72.36W 0 5.4L,4.8 ¶12084353
ISCJB III 24 06 22 44.1–.14 28.22S–.03 72.11W–.04 10 4.6b,4.2s
BJI III 24 06 22 45.9 28.75S 72.13W 27 5.2s,5.2b
GUC III 24 06 22 45.9–.72 28.22S 72.18W 37–9 4.8L,5.2b
NEIC III 24 06 22 47.1–1.6 28.25S 72.07W 20–11 4.8L,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=17.2km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.0km az=154.2.
GUC Error ellipse: s-maj=1.7km s-min=6.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.0km az=80.0.
GUC IV 05 17 09 56.5–.58 32.58S 72.05W 26–2 3.5,3.1L
¶14693739

GUC Error ellipse: s-maj=1.0km s-min=3.2km az=-1.0.
GUC IV 10 08 50 42.9–.78 33.14S 72.16W 39–2 3.7,3.2L
¶14694037

GUC Error ellipse: s-maj=5.1km s-min=3.8km az=-1.0.
GUC IV 27 12 10 59.2–.69 30.62S 72.04W 27–4 3.6L
¶14694686

GUC Error ellipse: s-maj=4.7km s-min=5.8km az=-1.0.
GUC IV 29 12 24 47.1–.42 30.74S 72.24W 20–3 3.7,3.2L
¶14694787

GUC Error ellipse: s-maj=3.0km s-min=3.6km az=-1.0.
GUC V 04 12 06 05.8–.85 32.80S 72.67W 31–4 3.7,3.3L
¶14761418

GUC Error ellipse: s-maj=3.8km s-min=6.5km az=-1.0.
ISC VI 17 19 08 10.5–2.0 33.86S–.04 72.11W–.08 16–12 35 1-157
IDC VI 17 19 08 09.0–1.4 33.76S 71.98W 0 4.0,4.0L ¶13681554
ISCJB VI 17 19 08 10.0–1.0 33.84S–.04 72.26W–.06 23–8 3.8b,3.4s
GUC VI 17 19 08 10.1–.78 33.88S 72.22W 37–2 4.1L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=52.6km s-min=30.7km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.3km az=17.8.
GUC Error ellipse: s-maj=3.0km s-min=3.3km az=-1.0.
GUC VI 26 06 01 43.4–.60 33.93S 72.11W 7–12 3.7,2.7L
¶14989077

GUC Error ellipse: s-maj=5.0km s-min=11.0km az=-1.0.

(135) Near coast of central Chile.

ISC I 04 22 25 44.8–1.3 32.64S–.03 71.87W–.05 24–8 4.5b,3.5s 85 0-156
ISCJB I 04 22 25 44.1–.78 32.62S–.03 71.90W–.05 29–4 4.2b,3.7s ¶12080299
GUC I 04 22 25 45.0–.64 32.64S 71.83W 22–16 4.2L,3.7s
NEIC I 04 22 25 45.0 32.64S 71.83W 22 4.5b,4.2L
IDC I 04 22 25 47.4–2.8 32.66S 71.78W 45–23 4.3L,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.0km az=167.2.
GUC Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=29.5km s-min=23.6km az=104.0.
GUC I 05 08 37 45.3–.88 30.97S 71.67W 13–4 3.7L
¶14323020

GUC Error ellipse: s-maj=2.0km s-min=6.6km az=-1.0.
ISC I 06 04 08 54.6–2.0 31.67S–.04 71.89W–.08 17–11 4.1b 41 0-155
IDC I 06 04 08 52.3–1.7 31.60S 71.91W 0 3.9b,3.9 ¶12080450
ISCJB I 06 04 08 54.6–1.2 31.67S–.03 71.93W–.08 20–7 3.8b,3.6s
GUC I 06 04 08 56.3–.82 31.70S 71.78W 28–3 4.0L,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=54.6km s-min=32.8km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=4.2km az=173.3.
GUC Error ellipse: s-maj=1.6km s-min=4.4km az=-1.0.
GUC I 06 15 57 47.3–.73 32.56S 71.83W 30–3 3.8,3.1L
¶14323030

GUC Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
GUC I 08 15 35 48.2–.67 32.48S 71.89W 24–5 3.9,3.2L
¶14323050

GUC Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
ISC I 08 15 50 44.7–.94 32.59S–.03 71.95W–.07 26–6 4.4b 46 1-156
ISCJB I 08 15 50 42.4–1.0 32.59S–.03 72.11W–.06 21–6 4.0b ¶12080754
GUC I 08 15 50 43.6–.77 32.61S 72.02W 14–6 4.1,3.6L
IDC I 08 15 50 45.2–.89 32.61S 71.95W 28–5 3.9,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.9km az=163.8.
GUC Error ellipse: s-maj=1.6km s-min=7.5km az=-1.0.
IDC Error ellipse: s-maj=34.0km s-min=30.5km az=117.0.
GUC I 09 01 24 19.4–.74 32.72S 71.73W 17–245 3.6,2.8L
¶14323055

GUC Error ellipse: s-maj=1.2km s-min=3.9km az=-1.0.
GUC I 10 20 58 14.8–.74 34.53S 71.85W 42–2 3.7,3.2L
¶14323077

GUC Error ellipse: s-maj=2.4km s-min=5.1km az=-1.0.
GUC I 11 16 57 30.6–.66 32.46S 71.68W 31–2 3.5,2.6L
¶14323086

GUC Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
ISC I 13 17 17 13.4–.28 29.59S–.03 71.35W–.05 62–2 5.1b 765 0-176
MOS I 13 17 17 09.8–1.1 29.33S 71.18W 33 5.3b ¶11594613
ISCJB I 13 17 17 13.6–.27 29.61S–.02 71.18W–.06 72–3 4.9b
IDC I 13 17 17 13.8–.43 29.60S 71.36W 61–3 4.8,4.7
GUC I 13 17 17 13.9–.61 29.60S 71.29W 63–3 5.1L,4.7
NEIC I 13 17 17 13.6–.13 29.55S 71.22W 60 5.1b,4.7
ISC Event type fe.
MOS Error ellipse: s-maj=25.8km s-min=7.1km az=105.6.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=3.3km az=177.3.
IDC Error ellipse: s-maj=17.7km s-min=8.2km az=50.0.
GUC Error ellipse: s-maj=1.3km s-min=5.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=2.8km az=77.0. Felt [III] at Andacollo, Coquimbo, La Serena, Ovalle, Punitaqui and Rio Hurtado; [II] at Vallenar. Also felt at Copiapo, Santiago and Vicuna.
GUC I 14 08 31 47.0–.38 32.52S 71.84W 15–2 3.7L,3.7
¶14323109

GUC Error ellipse: s-maj=0.7km s-min=2.5km az=-1.0.
GUC I 14 14 42 19.0–.85 32.55S 71.88W 15–5 3.6,2.9L
¶14323111

GUC Error ellipse: s-maj=1.5km s-min=5.7km az=-1.0.
GUC I 21 01 25 13.3–.74 32.49S 71.72W 28–3 3.7,3.0L
¶14323151

GUC Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0.
GUC I 21 23 15 51.8–.65 32.65S 71.07W 5–2 3.7,2.5L
¶14323161

GUC Error ellipse: s-maj=1.5km s-min=4.1km az=-1.0.
GUC I 26 05 14 54.4–.64 32.68S 71.70W 24–7 3.7L
¶14323271

GUC Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0.
GUC I 28 05 31 31.6–.76 28.81S 71.31W 37–6 3.5L,3.4
¶14323305

GUC Error ellipse: s-maj=3.1km s-min=9.0km az=-1.0.
GUC I 29 19 34 03.6–.64 32.11S 71.77W 30–2 3.8L
¶14323331

GUC Error ellipse: s-maj=1.3km s-min=3.3km az=-1.0.
GUC II 03 02 25 45.6–.84 32.41S 71.70W 3–5 3.6,2.7L
¶14323381

GUC Error ellipse: s-maj=1.9km s-min=7.3km az=-1.0.
GUC II 03 02 33 13.3–.70 32.56S 71.73W 9–6 3.5,2.6L
¶14323382

GUC Error ellipse: s-maj=1.9km s-min=6.9km az=-1.0.
ISC II 03 19 06 09.0–1.4 32.99S–.03 71.98W–.05 18–8 4.7b,4.1s 121 0-165
IDC II 03 19 06 06.6–.62 32.96S 71.79W 0 4.6,4.5 ¶11730065
ISCJB II 03 19 06 08.0–.80 32.98S–.03 72.11W–.04 23–5 4.6b,4.1s
GUC II 03 19 06 09.1–.90 33.00S 72.05W 30–6 4.7L,4.1s
NEIC II 03 19 06 09.7–.98 32.98S 71.98W 22–6 4.8b,4.7L
ISC Event type fe.
IDC Error ellipse: s-maj=27.4km s-min=16.2km az=93.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.6km az=156.1.
GUC Error ellipse: s-maj=2.2km s-min=4.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=4.0km az=86.0. Felt [III] at Petorca, San Felipe, Valparaiso and Vina del Mar; [II] at Los Andes and Santiago.
GUC II 05 01 00 55.0–.80 32.94S 71.96W 20–13 3.5,2.6L
¶14323411

GUC Error ellipse: s-maj=3.2km s-min=5.6km az=-1.0.
ISC II 06 02 58 35.5–.26 28.02S–.03 71.13W–.05 52–2 5.5b,4.8s 1113 1-178
MOS II 06 02 58 33.2–.93 27.78S 71.18W 36 5.7b,4.7s ¶11667352
GUC II 06 02 58 34.6–.49 28.03S 71.23W 64–11 5.6L,4.7s
DJA II 06 02 58 34 29.24S 71.13W 19 5.6b,4.7s
NEIC II 06 02 58 35.6–.11 27.99S 71.10W 52 5.5b,4.7s
IDC II 06 02 58 35.5–.34 28.03S 71.12W 52–2 4.9,4.8
ISCJB II 06 02 58 35.3–.46 27.90S–.03 70.98W–.05 59–4 5.5b,4.7s
BJI II 06 02 58 36.4 27.67S 71.82W 66 5.4s,5.3b
ISC Event type fe.
MOS Error ellipse: s-maj=14.4km s-min=6.6km az=104.3.
GUC Error ellipse: s-maj=1.8km s-min=8.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=2.7km az=73.0. Felt [IV] at Alto del Carmen, Copiapo and Vallenar; [III] at Caldera, Chanaral, Freirina, Huasco, La Serena and Tierra Amarilla; [II] at Diego de Almagro, El Salvador and Illapel. Also felt at Coquimbo, Los Andes, Ovalle and Taltal.
IDC Error ellipse: s-maj=13.1km s-min=11.2km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.2km az=162.5.
GUC II 10 20 33 07.5–.53 32.47S 71.79W 27–5 3.5,2.3L
¶14323472

GUC Error ellipse: s-maj=2.2km s-min=5.4km az=-1.0.
GUC II 11 05 30 01.8–.63 30.19S 71.54W 18–5 3.8,3.4L
¶14323476

GUC Error ellipse: s-maj=2.0km s-min=9.8km az=-1.0.
GUC II 11 15 00 22.1–.81 30.11S 71.65W 20–9 3.7,3.5L
¶14323479

GUC Error ellipse: s-maj=2.7km s-min=10.2km az=-1.0.
GUC II 11 15 23 57.2–.75 32.60S 71.84W 15–5 3.7,3.3L
¶14323480

GUC Error ellipse: s-maj=1.5km s-min=5.1km az=-1.0.
GUC II 13 18 54 27.4–.71 29.71S 71.33W 14–4 3.5,3.2L
¶14323497

GUC Error ellipse: s-maj=1.7km s-min=4.9km az=-1.0.
GUC II 14 06 57 01.2–.56 31.66S 71.67W 30–1 3.5,3.3L
¶14323501

GUC Error ellipse: s-maj=1.0km s-min=4.2km az=-1.0.
GUC II 15 19 44 17.7–.96 29.69S 71.35W 38–5 3.9L
¶14323520

GUC Error ellipse: s-maj=2.7km s-min=9.2km az=-1.0.
ISC II 17 19 24 41.8–.62 31.58S–.05 71.36W–.08 42–5 4.5b 64 0-155
ISCJB II 17 19 24 40.9–.57 31.57S–.03 71.5W–.10 54–5 4.4b,3.9s ¶12701047
IDC II 17 19 24 41.6–.71 31.51S 71.74W 45–5 4.2b,4.1
NEIC II 17 19 24 42.0–1.2 31.52S 71.49W 48–9 4.4b,4.1
GUC II 17 19 24 43.5–.70 31.73S 71.43W 44–3 4.2L,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.7km s-min=5.5km az=5.4.
IDC Error ellipse: s-maj=21.2km s-min=12.0km az=179.0.
NEIC Event type fe. Error ellipse: s-maj=16.5km s-min=7.6km az=88.0. Felt [IV] at Canela and Illapel, [III] at Salamanca and [II] at La Ligua.
GUC Error ellipse: s-maj=5.3km s-min=12.2km az=-1.0.
GUC II 18 00 08 54.8–.86 32.73S 71.76W 24–23 3.7,2.7L
¶14323547

GUC Error ellipse: s-maj=2.9km s-min=7.6km az=-1.0.
ISC II 18 00 31 27.8–.60 35.77S–.04 72.41W–.08 55–5 4.1b 52 0-158
ISCJB II 18 00 31 27.5–.57 35.76S–.04 72.34W–.09 65–4 3.9b ¶12701075
NEIC II 18 00 31 27.9 35.79S 72.43W 58 4.2b
GUC II 18 00 31 27.9–.31 35.79S 72.43W 58–3 4.6L
IDC II 18 00 31 27.8–.76 35.77S 72.32W 53–6 4.0s,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.7km az=6.9.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=20.7km s-min=13.3km az=111.0.
ISC II 18 03 32 43.5–2.1 29.24S–.05 71.81W–.10 31–13 4.2b 43 1-153
IDC II 18 03 32 39.0–1.3 29.12S 71.84W 0 4.2,4.2 ¶12701097
ISCJB II 18 03 32 42.8–1.1 29.24S–.04 71.80W–.09 42–10 4.1b,4.2
GUC II 18 03 32 44.8–1.1 29.34S 71.64W 38–10 3.7L,4.2
NEIC II 18 03 32 46.5–2.2 29.04S 71.69W 52–14 4.1b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=44.2km s-min=38.7km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=6.8km az=12.2.
GUC Error ellipse: s-maj=5.0km s-min=12.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=12.5km az=87.0.
GUC II 18 06 57 53.4–.91 32.58S 71.81W 15–4 3.5,2.7L
¶14323550

GUC Error ellipse: s-maj=2.3km s-min=7.3km az=-1.0.
GUC II 18 15 56 35.3–.94 33.34S 71.07W 71–7 3.9L
¶14323552

GUC Error ellipse: s-maj=3.4km s-min=6.2km az=-1.0.
ISC II 20 21 09 02.8–.91 31.75S–.04 71.63W–.10 62–7 3.9b 53 0-152
IDC II 20 21 08 54.5–.86 31.84S 71.65W 0 4.2,4.1L ¶12701368
ISCJB II 20 21 09 01.9–.51 31.74S–.03 71.57W–.09 66–5 3.8b,4.1L
GUC II 20 21 09 03.5–.93 31.85S 71.56W 61–5 3.8L,3.8
NEIC II 20 21 09 03.0 31.85S 71.56W 61 3.8,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=30.7km s-min=23.8km az=136.0.
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=4.5km az=175.4.
GUC Error ellipse: s-maj=4.8km s-min=8.8km az=-1.0.
NEIC Event type fe. Felt [II] at La Ligua, Petorca and Zapallar. After GUC.
IDC II 20 21 09 10.8–1.3 32.33S 71.73W 0 4.0L,3.8
¶15956840

IDC Error ellipse: s-maj=51.3km s-min=31.5km az=151.0.
GUC II 21 04 00 38.3–.88 32.55S 71.76W 24–13 3.5,2.4L
¶14323586

GUC Error ellipse: s-maj=3.1km s-min=8.3km az=-1.0.
ISC II 23 00 18 12.2–1.4 33.94S–.04 71.76W–.05 30–10 35 0-157
IDC II 23 00 18 06.2–1.5 34.44S 71.75W 0 3.8,3.7 ¶12701579
GUC II 23 00 18 13.4–.92 33.91S 71.71W 44–2 3.9,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=51.6km s-min=34.3km az=155.0.
GUC Error ellipse: s-maj=2.5km s-min=3.6km az=-1.0.
GUC II 23 21 36 30.7–.96 30.42S 71.60W 33–5 3.6L
¶14323643

GUC Error ellipse: s-maj=7.3km s-min=9.3km az=-1.0.
ISC II 24 10 59 46.3–3.4 31.59S–.04 71.98W–.08 8–20 4.4b 30 1-155
ISCJB II 24 10 59 47.6–1.3 31.57S–.03 71.98W–.09 25–8 4.2b,3.7s ¶12701734
GUC II 24 10 59 49.9–.55 31.69S 71.86W 29–2 4.0L,4.0
IDC II 24 10 59 54.5–5.0 31.53S 71.68W 62–36 4.0b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=4.9km az=177.1.
GUC Error ellipse: s-maj=2.4km s-min=3.7km az=-1.0.

IDC Error ellipse: s-maj=51.2km s-min=25.0km az=106.0.
GUC II 26 10 55 08.2–.65 30.87S 71.62W 29–5 4.2,4.1L
IDC II 26 10 55 08.8–2.2 34.47S 68.73W 0 4.3L,4.1b **¶14323667**
GUC Error ellipse: s-maj=2.6km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=191.4km s-min=61.6km az=156.0.
GUC II 27 02 08 35.5–.62 32.10S 71.86W 29–5 3.7,2.7L
¶14323673

GUC Error ellipse: s-maj=2.5km s-min=7.2km az=-1.0.
GUC II 27 10 18 41.0–.86 32.10S 71.89W 27–6 4.0,3.7L
¶14323677

GUC Error ellipse: s-maj=1.9km s-min=6.6km az=-1.0.
GUC II 27 12 54 21.7–.82 32.11S 71.88W 18–8 3.8,2.9L
¶14323680

GUC Error ellipse: s-maj=2.3km s-min=7.3km az=-1.0.
GUC II 27 13 42 04.6–.86 32.11S 71.92W 21–10 3.8,3.5L
¶14323681

GUC Error ellipse: s-maj=2.2km s-min=5.7km az=-1.0.
GUC III 01 04 32 51.4–.57 30.70S 71.23W 39–1 3.7L
¶14693194

GUC Error ellipse: s-maj=2.3km s-min=5.8km az=-1.0.
GUC III 02 18 10 48.1–.62 33.88S 71.75W 33–5 3.8,3.0L
¶14693212

GUC Error ellipse: s-maj=2.6km s-min=2.9km az=-1.0.
GUC III 04 03 39 07.0–.61 28.63S 71.30W 37–4 3.5L
¶14693229

GUC Error ellipse: s-maj=2.1km s-min=7.8km az=-1.0.
GUC III 04 14 07 32.7–.59 32.34S 71.66W 40–1 3.5L
¶14693230

GUC Error ellipse: s-maj=1.6km s-min=3.5km az=-1.0.
GUC III 07 18 52 47.0–.79 31.22S 71.49W 45–2 4.3,3.8L
¶14693264

GUC Error ellipse: s-maj=2.3km s-min=5.5km az=-1.0.
GUC III 07 21 59 49.4–.72 31.61S 71.74W 30–3 3.9,3.2L
¶14693265

GUC Error ellipse: s-maj=1.2km s-min=5.1km az=-1.0.
ISC III 08 07 45 18.5–1.2 30.07S–.04 71.6W–.10 59–15 20 1-151
ISCJB III 08 07 45 17.7–.79 30.08S–.04 71.5W–.10 68–20 **¶12702699**
GUC III 08 07 45 18.6–1.1 30.08S 71.44W 56–72 4.1L
IDC III 08 07 45 20.0–4.1 30.17S 71.48W 71–35 3.5,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=5.9km az=3.3.
GUC Error ellipse: s-maj=3.7km s-min=39.4km az=-1.0.
IDC Error ellipse: s-maj=37.4km s-min=32.9km az=55.0.
GUC III 08 18 57 12.5–.75 32.22S 71.59W 39–2 3.8,3.3L
¶14693271

GUC Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0.
GUC III 09 03 35 20.6–.64 32.54S 71.69W 15–4 3.6,2.7L
¶14693275

GUC Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
GUC III 09 19 15 13.8–.80 28.85S 71.35W 41–5 3.5L
¶14693280

GUC Error ellipse: s-maj=2.6km s-min=10.4km az=-1.0.
GUC III 11 16 53 53.4–.78 34.51S 72.12W 29–4 3.6,2.8L
¶14693320

GUC Error ellipse: s-maj=5.8km s-min=6.2km az=-1.0.
ISC III 12 21 10 20.0–.78 34.73S–.03 71.20W–.06 87–7 3.9b 82 1-157
ISCJB III 12 21 10 19.3–.38 34.75S–.03 71.16W–.07 90–4 3.8b **¶12703113**
GUC III 12 21 10 20.2–.60 34.74S 71.19W 80–4 4.2L
IDC III 12 21 10 20.9–2.8 34.82S 70.97W 88–21 3.6b,3.6
NEIC III 12 21 10 20.0 34.73S 71.19W 80 4.2,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=3.6km az=21.8.
GUC Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=51.3km s-min=15.4km az=106.0.
NEIC Event type fe. Felt [III] at San Fernando and Santa Cruz; [II] at Curico, Rancagua, Santiago and Talca. After GUC.
ISC III 13 10 44 41.6–.86 32.54S–.02 71.62W–.04 31–6 4.5b,3.8s 104 0-156
IDC III 13 10 44 36.6–1.1 32.62S 71.58W 0 4.5L,4.5 **¶12703159**
ISCJB III 13 10 44 41.2–.57 32.55S–.03 71.72W–.07 44–5 4.3b,3.7s
GUC III 13 10 44 41.8–.67 32.55S 71.63W 25–7 4.5,4.4L
NEIC III 13 10 44 41.8 32.55S 71.63W 25 4.5b,4.4L
ISC Event type fe.
IDC Error ellipse: s-maj=33.5km s-min=22.3km az=27.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=4.2km az=169.2.
GUC Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
NEIC Event type fe. Felt [III] at Zapallar and [II] at La Ligua, Valparaiso and Vina del Mar. After GUC.
GUC III 13 23 29 04.3–.65 31.54S 71.59W 34–2 3.9,3.4L
¶14693349

GUC Error ellipse: s-maj=1.9km s-min=4.4km az=-1.0.
GUC III 16 23 03 05.4–.77 32.57S 71.73W 25–6 3.5,3.0L
¶14693384

GUC Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0.
GUC III 18 05 13 36.5–.55 34.73S 72.33W 15–999 3.5,2.8L
¶14693396

GUC Error ellipse: s-maj=7.1km s-min=5.9km az=-1.0.
GUC III 18 06 11 24.1–.57 28.08S 71.24W 42–4 3.6L
¶14693397

GUC Error ellipse: s-maj=1.8km s-min=8.1km az=-1.0.
GUC III 18 23 31 21.7–.65 31.75S 71.82W 32–1 3.9,3.7L
¶14693409

GUC Error ellipse: s-maj=1.5km s-min=4.8km az=-1.0.
ISC III 19 00 33 39.2–.80 31.71S–.03 71.80W–.05 29–4 4.8b,4.2s 169 0-176
IDC III 19 00 33 34.8–.58 31.69S 71.81W 0 4.6,4.5b **¶12025760**
ISCJB III 19 00 33 37.4–.85 31.67S–.02 71.87W–.06 27–5 4.5b,4.1s
BJI III 19 00 33 37.8 31.84S 71.35W 29 4.9b,4.1s
GUC III 19 00 33 38.5–.67 31.77S 71.88W 28–2 4.9L,4.1s
NEIC III 19 00 33 38.5 31.77S 71.88W 28 4.9L,4.8b
ISC Event type fe.
IDC Error ellipse: s-maj=22.1km s-min=18.2km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=3.6km az=166.6.
GUC Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0.
NEIC Event type fe. Felt [II] at Cabildo, Canela, Illapel, Los Vilos and Salamanca. After GUC.
GUC III 19 00 51 51.6–.93 31.76S 71.92W 23–6 3.9,3.7L
¶14693412

GUC Error ellipse: s-maj=2.7km s-min=5.9km az=-1.0.
GUC III 19 02 58 05.9–.68 31.74S 71.85W 28–3 3.7,2.9L
¶14693415

GUC Error ellipse: s-maj=1.8km s-min=6.4km az=-1.0.
GUC III 22 03 29 22.4–1.0 38.88S 73.03W 47–5 3.9L
¶14693442

GUC Error ellipse: s-maj=2.9km s-min=13.6km az=-1.0.
GUC III 22 05 08 01.3–.62 32.63S 71.53W 26–3 3.8,3.3L
¶14693443

GUC Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0.
GUC III 22 11 28 31.5–.59 31.07S 71.21W 60–9 3.7L
¶14693447

GUC Error ellipse: s-maj=1.8km s-min=6.7km az=-1.0.
GUC III 22 11 51 31.8–.94 36.68S 72.19W 91–4 3.6L
¶14693448

GUC Error ellipse: s-maj=4.9km s-min=14.8km az=-1.0.
GUC III 23 05 07 23.2–.41 36.95S 72.07W 16–3 4.0,3.9L
¶14693450

GUC Error ellipse: s-maj=0.8km s-min=2.4km az=-1.0.
GUC III 25 04 49 03.4–.62 32.48S 71.73W 24–6 3.7,2.4L
¶14693469

GUC Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.
GUC III 25 13 51 18.6–.88 30.41S 71.66W 22–7 3.6,3.2L
¶14693474

GUC Error ellipse: s-maj=4.4km s-min=8.4km az=-1.0.
GUC III 25 14 23 32.8–.85 34.79S 71.64W 2–12 3.7,3.0L
¶14693475

GUC Error ellipse: s-maj=4.4km s-min=10.1km az=-1.0.
GUC III 25 17 36 46.7–.85 32.64S 71.08W 4–3 3.5,2.2L
¶14693477

GUC Error ellipse: s-maj=3.1km s-min=6.0km az=-1.0.
GUC III 28 01 13 01.5–.64 31.84S 71.45W 42–1 4.1,3.6L
¶14693508

GUC Error ellipse: s-maj=1.2km s-min=3.9km az=-1.0.
GUC III 28 19 47 22.3–.91 35.45S 72.65W 44–36 3.7,3.4L
¶14693526

GUC Error ellipse: s-maj=41.8km s-min=26.1km az=-1.0.
GUC III 28 20 11 06.6–.53 32.63S 71.12W 7–4 3.6,1.9L
¶14693527

GUC Error ellipse: s-maj=1.9km s-min=6.0km az=-1.0.
GUC III 31 07 29 01.5–.91 32.07S 71.70W 21–5 4.1,3.6L
¶14693569

GUC Error ellipse: s-maj=2.3km s-min=4.4km az=-1.0.
IDC IV 01 05 15 29.1–1.6 28.43S 71.07W 0 4.0,4.0
¶16152207

IDC Error ellipse: s-maj=155.0km s-min=66.1km az=152.0.
ISC IV 02 17 39 27.9–.61 29.79S–.03 71.52W–.08 37–1 4.3b,3.6s 81 1-162
GUC IV 02 17 39 26.9–.46 29.80S 71.50W 47–2 4.6L,4.5 **¶12934303**
NEIC IV 02 17 39 27.8–.30 29.79S 71.51W 35 4.6L,4.2b
ISCJB IV 02 17 39 27.6–.86 29.80S–.03 71.5W–.10 51–8 4.1b,3.6s
IDC IV 02 17 39 29.8–2.6 29.80S 71.40W 52–22 4.2L,4.1
ISC Event type ke.
GUC Error ellipse: s-maj=1.2km s-min=4.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.5km az=86.0. Felt [III] at Coquimbo and La Serena.
ISCJB Event type fe. Error ellipse: s-maj=14.7km s-min=5.0km az=7.5.
IDC Error ellipse: s-maj=22.5km s-min=14.2km az=88.0.
GUC IV 02 19 33 34.2–.81 30.38S 71.58W 20–6 3.9,3.8L
¶14693627

GUC Error ellipse: s-maj=3.6km s-min=6.4km az=-1.0.
GUC IV 04 19 11 30.1–.69 28.48S 71.23W 15–6 3.5L
¶14693709

GUC Error ellipse: s-maj=1.9km s-min=8.6km az=-1.0.
GUC IV 05 00 54 35.9–.53 31.96S 71.45W 30–1 3.5,2.8L
¶14693730

GUC Error ellipse: s-maj=1.0km s-min=4.0km az=-1.0.
GUC IV 06 06 58 58.1–.66 32.64S 71.64W 12–4 3.6,2.6L
¶14693777

GUC Error ellipse: s-maj=1.7km s-min=7.0km az=-1.0.
GUC IV 06 10 31 40.0–.75 31.53S 71.63W 18–4 3.9,3.3L
¶14693782

GUC Error ellipse: s-maj=1.5km s-min=5.1km az=-1.0.
GUC IV 08 15 16 02.3–.47 32.71S 71.66W 5–2 3.5,2.6L
¶14693909

GUC Error ellipse: s-maj=2.1km s-min=3.9km az=-1.0.
GUC IV 09 21 17 43.8–.60 32.54S 71.59W 6–2 3.6,2.2L
¶14693984

GUC Error ellipse: s-maj=2.4km s-min=6.7km az=-1.0.
GUC IV 10 10 30 37.0–.73 28.79S 71.41W 40–4 3.6L
¶14694039

GUC Error ellipse: s-maj=1.9km s-min=6.5km az=-1.0.
GUC IV 13 00 51 03.3–.67 32.49S 71.38W 15–4 3.6,2.7L
¶14694161

GUC Error ellipse: s-maj=1.7km s-min=6.5km az=-1.0.
ISC IV 13 04 10 38.2–.91 31.24S–.04 71.59W–.09 77–5 40 1-152
ISCJB IV 13 04 10 37.7–.63 31.25S–.03 71.54W–.08 84–5 3.9b **¶12935216**
GUC IV 13 04 10 38.6–1.0 31.25S 71.44W 76–5 4.0L
IDC IV 13 04 10 38.6–1.4 31.24S 71.56W 77–7 3.8,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=4.4km az=4.2.
GUC Error ellipse: s-maj=2.3km s-min=8.8km az=-1.0.
IDC Error ellipse: s-maj=27.9km s-min=14.5km az=18.0.
GUC IV 15 11 40 57.3–.72 32.61S 71.78W 7–9 3.6,2.5L
¶14694239

GUC Error ellipse: s-maj=2.7km s-min=10.9km az=-1.0.
GUC IV 15 21 45 55.1–.56 34.01S 72.42W 28–5 3.6,2.8L
¶14694248

GUC Error ellipse: s-maj=5.4km s-min=8.1km az=-1.0.
GUC IV 16 04 20 46.3–.56 29.90S 71.23W 54–17 3.9L
¶14694267

GUC Error ellipse: s-maj=3.7km s-min=19.4km az=-1.0.
GUC IV 16 18 25 33.4–.63 33.19S 71.39W 48–3 3.6,3.2L
¶14694274

GUC Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0.
ISC IV 17 01 11 36.0–1.2 29.88S–.03 71.3W–.10 73–10 42 1-153
IDC IV 17 01 11 25.5–2.1 30.48S 71.11W 0 4.1L,3.9 **¶12935507**
ISCJB IV 17 01 11 34.6–.82 29.87S–.03 71.3W–.20 84–6 3.9b,3.9
GUC IV 17 01 11 35.3–.56 29.86S 71.39W 58–17 4.0L,4.0
NEIC IV 17 01 11 35.3 29.86S 71.39W 58 4.2b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=73.5km s-min=59.4km az=168.0.
ISCJB Event type fe. Error ellipse: s-maj=24.7km s-min=4.8km az=4.7.
GUC Error ellipse: s-maj=1.4km s-min=10.0km az=-1.0.
NEIC Event type fe. Felt [IV] at Coquimbo. After GUC.
GUC IV 17 12 07 21.4–.54 32.28S 71.37W 44–2 3.5,2.7L
¶14694311

GUC Error ellipse: s-maj=2.6km s-min=11.9km az=-1.0.
ISC IV 17 18 17 53.6–2.6 30.72S–.04 71.6W–.20 24–17 32 1-11
GUC IV 17 18 17 53.9–.84 30.73S 71.42W 43–3 4.0L **¶14413625**
NEIC IV 17 18 17 53.0 30.73S 71.42W 43 4.0
ISC Event type fe.
GUC Error ellipse: s-maj=1.7km s-min=8.9km az=-1.0.
NEIC Event type fe. Felt [II] at Ovalle. After GUC.
GUC IV 18 05 08 45.2–.63 31.82S 71.89W 24–4 3.6,3.0L
¶14694347

GUC Error ellipse: s-maj=1.4km s-min=5.1km az=-1.0.
GUC IV 19 03 47 43.2–.85 32.57S 71.70W 38–5 3.6,2.5L
¶14694392

GUC Error ellipse: s-maj=4.0km s-min=11.6km az=-1.0.
GUC IV 20 16 23 14.1–.83 31.60S 71.67W 32–2 3.6L
¶14694450

GUC Error ellipse: s-maj=1.9km s-min=8.2km az=-1.0.
GUC IV 22 10 05 47.3–.38 31.14S 71.19W 66–1 4.0,3.9L
NEIC IV 22 10 05 47.3 31.14S 71.19W 66 4.0,3.9L **¶14470519**
GUC Error ellipse: s-maj=0.7km s-min=3.8km az=-1.0.
NEIC Event type fe. Felt [II] at Illapel. After GUC.
GUC IV 22 14 06 04.8–.56 32.41S 71.20W 46–1 3.6,2.7L
¶14694517

GUC Error ellipse: s-maj=1.4km s-min=3.0km az=-1.0.
GUC IV 22 16 41 59.5–.78 32.51S 71.44W 35–2 3.9,3.3L
¶14694518

GUC Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0.
GUC IV 23 02 22 42.4–.76 32.46S 71.83W 27–4 3.5,3.0L
¶14694547

GUC Error ellipse: s-maj=1.8km s-min=4.7km az=-1.0.
GUC IV 23 21 34 38.5–.76 31.41S 71.72W 3–3 3.5,2.7L
¶14694555

GUC Error ellipse: s-maj=2.2km s-min=6.6km az=-1.0.
GUC IV 24 17 01 17.8–1.0 32.62S 71.05W 3–6 3.5,2.4L
¶14694597

GUC Error ellipse: s-maj=5.3km s-min=10.6km az=-1.0.
ISC IV 24 19 05 01.1–.88 33.92S–.03 71.45W–.04 51–8 3.9b 87 0-156
ISCJB IV 24 19 05 00.8–.47 33.94S–.03 71.41W–.06 66–4 3.9b **¶12746757**
NEIC IV 24 19 05 01.0 33.92S 71.40W 46 3.6b
GUC IV 24 19 05 01.6–.58 33.92S 71.41W 46–1 4.1L
IDC IV 24 19 05 06.0–2.4 33.74S 71.16W 91–20 3.8b,3.8
ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.3km az=6.2.
NEIC Event type fe. Felt [III] at Rancagua and [II] at Cartagena, Casa Blanca, Melipilla, San Antonio, San Fernando and Santiago. After GUC.
GUC Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=30.7km s-min=14.6km az=95.0.
GUC IV 25 13 17 06.5–.90 36.52S 72.96W 42–4 3.5L
NEIC IV 25 13 17 06.0 36.52S 72.96W 42 3.5 ¶14471692
GUC Error ellipse: s-maj=10.3km s-min=15.6km az=-1.0.
NEIC Event type fe. Felt [II] at Concepcion, San Pedro, Talcahuano and Tome. After GUC.
GUC IV 28 13 39 45.6–.70 29.36S 71.03W 52–13 3.8,3.3L
¶14694737
GUC Error ellipse: s-maj=2.2km s-min=17.4km az=-1.0.
GUC IV 29 02 22 44.4–.95 32.24S 71.88W 28–8 3.5,2.3L
¶14694777
GUC Error ellipse: s-maj=3.6km s-min=13.1km az=-1.0.
ISC IV 29 16 24 40.8–.54 29.97S–.03 71.52W–.06 45–4 4.7b,4.0s 473 1-176
ISCJB IV 29 16 24 40.6–.65 29.97S–.04 71.44W–.07 52–6 4.7b,4.0s ¶12746022
NEIC IV 29 16 24 40.8–.16 30.00S 71.39W 44 4.8b,4.0s
IDC IV 29 16 24 40.7–2.5 30.02S 71.38W 42–22 4.5,4.5L
GUC IV 29 16 24 40.2–.50 29.98S 71.45W 47–3 4.8L,4.5L
BJI IV 29 16 24 42.8 30.00S 71.40W 43 5.6s,5.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=5.8km az=174.5.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=72.0. Felt [IV] at Coquimbo, La Serena and Vicuna; [II] at Ovalle. Also felt at Andacollo.
IDC Error ellipse: s-maj=18.8km s-min=13.5km az=81.0.
GUC Error ellipse: s-maj=1.6km s-min=5.3km az=-1.0.
GUC IV 30 18 40 55.9–.66 34.40S 71.07W 70–7 3.5,2.8L
¶14694841
GUC Error ellipse: s-maj=3.1km s-min=5.9km az=-1.0.
GUC V 03 00 50 27.7–.59 32.56S 71.70W 25–13 3.6,2.7L
¶14761404
GUC Error ellipse: s-maj=1.1km s-min=3.2km az=-1.0.
GUC V 03 05 44 50.9–.54 32.65S 71.60W 25–10 3.7,2.8L
¶14761406
GUC Error ellipse: s-maj=1.2km s-min=2.9km az=-1.0.
GUC V 05 08 31 12.0–.85 30.70S 71.65W 41–3 3.9,3.7L
¶14761442
GUC Error ellipse: s-maj=1.9km s-min=6.1km az=-1.0.
GUC V 09 11 30 43.1–.54 32.42S 71.56W 55–6 3.6,2.8L
¶14761516
GUC Error ellipse: s-maj=1.6km s-min=4.8km az=-1.0.
GUC V 12 08 55 04.5–.73 30.01S 71.32W 34–3 3.8L,3.8
¶14761568
GUC Error ellipse: s-maj=1.6km s-min=10.6km az=-1.0.
GUC V 15 22 37 24.8–.37 32.26S 71.66W 20–2 3.9,3.5L
¶14761642
GUC Error ellipse: s-maj=0.6km s-min=1.5km az=-1.0.
GUC V 16 11 28 33.1–.51 32.51S 71.81W 15–2 3.6,3.2L
¶14761651
GUC Error ellipse: s-maj=1.0km s-min=2.7km az=-1.0.
ISC V 16 12 14 12.2–.74 32.81S–.03 71.32W–.04 60–6 3.9b 76 0-122
ISCJB V 16 12 14 11.6–.45 32.81S–.03 71.32W–.05 67–4 3.8b ¶13679052
NEIC V 16 12 14 12.6 32.82S 71.30W 53 4.1,3.7b
GUC V 16 12 14 12.6–.45 32.82S 71.30W 53–2 4.1,3.9L
IDC V 16 12 14 14.9–3.9 32.64S 71.33W 88–33 3.9b,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.0km az=165.4.
NEIC Event type fe. Felt [III] at San Felipe, Valparaiso, Vina del Mar and Zapallar; [II] at Casablanca, Los Andes, Quillota and San Antonio. After GUC.
GUC Error ellipse: s-maj=0.8km s-min=1.3km az=-1.0.
IDC Error ellipse: s-maj=67.2km s-min=19.2km az=110.0.
GUC V 17 05 25 47.3–.59 32.50S 71.83W 17–46 3.5,3.0L
¶14761672
GUC Error ellipse: s-maj=0.9km s-min=2.4km az=-1.0.
ISC V 18 08 14 24.2–.80 28.60S–.03 71.28W–.08 29 41 1-152
ISCJB V 18 08 14 23.4–.89 28.59S–.03 71.33W–.10 29 4.0b ¶13679166
NEIC V 18 08 14 23.0 28.62S 71.28W 9 4.1L
GUC V 18 08 14 23.0–.86 28.62S 71.28W 9–8 4.1L
IDC V 18 08 14 24.5–1.2 28.92S 71.13W 40–6 3.9b,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.2km s-min=4.4km az=172.9.
NEIC Event type fe. Felt [III] at Alto del Carmen, Freirina and Huasco; [II] at Vallenar. After GUC.
GUC Error ellipse: s-maj=2.2km s-min=9.1km az=-1.0.
IDC Error ellipse: s-maj=59.8km s-min=39.3km az=148.0.
GUC V 23 12 55 00.4–.88 32.08S 71.38W 52–6 3.7,3.2L
¶14761780
GUC Error ellipse: s-maj=2.1km s-min=7.2km az=-1.0.
GUC V 24 01 52 30.0–.58 32.23S 71.67W 30–3 3.6,2.7L
¶14761792
GUC Error ellipse: s-maj=1.2km s-min=3.8km az=-1.0.
ISC V 25 05 10 13.1–.38 28.54S–.03 71.46W–.05 47–3 5.4b,4.6s 545 1-178
MOS V 25 05 10 11.1–1.0 28.32S 71.36W 33 5.5b,4.6s ¶12861955
ISCJB V 25 05 10 11.5–.57 28.50S–.02 71.29W–.05 45–5 5.4b,4.6s
GUC V 25 05 10 12.5–.82 28.55S 71.46W 50–56 5.4L,4.6s
BJI V 25 05 10 13.5 28.50S 71.30W 45 5.3s,5.2
IDC V 25 05 10 13.5–.55 28.52S 71.30W 49–4 4.9,4.9b
NEIC V 25 05 10 13.5–.12 28.52S 71.32W 49 5.4b,4.9b
GCMT V 25 05 10 14.5–.20 28.69S 71.65W 56–1 5.3W,4.9b
ISC Event type fe.
MOS Error ellipse: s-maj=15.0km s-min=5.9km az=104.3.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.7km az=178.4.
GUC Error ellipse: s-maj=1.9km s-min=8.3km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=11.0km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.0km az=74.0. Felt [II] at Copiapo, Coquimbo, Freirina, Huasco, La Serena and Vallenar. Also felt at Maquina Atacama and Ovalle.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c104; s86,c138; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s192.00000°,δ20.00000°,λ-84.00000°. NP2:ϕ_s5.00000° ,δ70.00000°,λ-92.00000°. Principal axes: T 0.9600,Plg25.0000°,Azm97.0000° ; N 0.1000,Plg2.0000°,Azm6.0000°; P -1.0600,Plg65.0000°,Azm271.0000° $M_0$1.00000×10^{17}
GUC V 26 04 10 20.7–.78 32.74S 71.83W 20–16 3.6,2.6L
¶14762190
GUC Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
ISC V 27 14 11 09.3–1.5 32.34S–.03 71.01W–.07 72–12 44 0-2
ISCJB V 27 14 11 08.4–.92 32.34S–.04 71.1W–.10 80–10 ¶14648242
NEIC V 27 14 11 08.1 32.33S 70.99W 82 3.7
GUC V 27 14 11 08.1–.89 32.33S 70.99W 82–6 3.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.6km s-min=5.2km az=167.0.
NEIC Event type fe. Felt [II] at La Ligua. After GUC.
GUC Error ellipse: s-maj=2.0km s-min=5.7km az=-1.0.
GUC V 28 23 48 51.3–.64 28.48S 71.42W 15–11 4.2L
¶14762392
GUC Error ellipse: s-maj=2.8km s-min=12.2km az=-1.0.
ISC V 30 00 32 43.4–1.1 36.30S–.07 73.06W–.09 25 3.7b 16 0-86
IDC V 30 00 32 39.8–1.5 36.19S 72.95W 0 3.8,3.7 ¶13679930
ISCJB V 30 00 32 41.6–.88 36.36S–.06 73.24W–.07 25 3.6b,3.7
GUC V 30 00 32 42.2–.79 36.43S 73.12W 22–9 4.0L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=29.3km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=8.2km az=39.5.
GUC Error ellipse: s-maj=7.1km s-min=7.0km az=-1.0.
ISC V 31 14 40 11.4–.95 29.74S–.03 71.2W–.10 43–11 35 1-153
NEIC V 31 14 40 09.9 29.76S 71.18W 34 4.0L ¶13680039
GUC V 31 14 40 09.9–.32 29.76S 71.18W 34–2 4.0L,4.0
ISCJB V 31 14 40 10.6–.73 29.75S–.04 71.2W–.20 56–11 3.4b,4.0
IDC V 31 14 40 12.1–4.3 29.82S 71.21W 55–34 3.9L,3.6
ISC Event type fe.
NEIC Event type fe. Felt [II] at Coquimbo, La Higuera and La Serena. After GUC.
GUC Error ellipse: s-maj=1.2km s-min=7.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=22.1km s-min=5.1km az=8.1.
IDC Error ellipse: s-maj=67.7km s-min=35.4km az=105.0.
GUC VI 02 18 22 36.7–.83 32.63S 71.13W 3–4 3.5,1.7L
¶14988561
GUC Error ellipse: s-maj=5.8km s-min=16.9km az=-1.0.
GUC VI 03 21 04 13.2–1.1 31.08S 71.23W 69–6 3.8L
¶14988584
GUC Error ellipse: s-maj=2.2km s-min=11.2km az=-1.0.
GUC VI 04 21 06 58.1–.86 32.64S 71.08W 3–2 3.6,2.4L
¶14988610
GUC Error ellipse: s-maj=2.9km s-min=7.0km az=-1.0.
GUC VI 05 07 06 36.3–.84 29.21S 71.35W 52–25 3.6L
¶14988624
GUC Error ellipse: s-maj=2.3km s-min=16.0km az=-1.0.
GUC VI 10 10 26 54.2–.77 31.96S 71.87W 10–3 3.5,2.7L
¶14988727
GUC Error ellipse: s-maj=2.6km s-min=6.5km az=-1.0.
GUC VI 10 12 34 38.4–.91 30.76S 71.46W 36–4 3.8,3.3L
¶14988728
GUC Error ellipse: s-maj=2.4km s-min=8.7km az=-1.0.
GUC VI 13 12 52 30.4–.43 30.34S 71.38W 6–5 3.6,3.4L
¶14988796
GUC Error ellipse: s-maj=5.3km s-min=5.4km az=-1.0.
ISC VI 13 21 22 06.4–.45 30.71S–.03 71.70W–.05 28–2 4.9b,4.6s 210 1-176
IDC VI 13 21 22 02.3–.48 30.69S 71.62W 0 4.7,4.7b ¶13066708
BJI VI 13 21 22 05.4 30.74S 71.48W 28 4.9s,4.9b
GUC VI 13 21 22 05.2–.86 30.66S 71.79W 30–4 5.3L,4.9b
NEIC VI 13 21 22 06.7–.15 30.65S 71.63W 28 5.3L,4.9b
ISCJB VI 13 21 22 06.8–.66 30.68S–.03 71.73W–.07 42–6 4.7b,4.6s
GCMT VI 13 21 22 10.2–.30 30.80S 71.99W 34–1 5.0W,4.6s
ISC Event type fe.
IDC Error ellipse: s-maj=20.7km s-min=14.2km az=90.0.
GUC Error ellipse: s-maj=2.2km s-min=5.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=2.7km az=78.0. Felt [III] at Canela and [II] at Coquimbo, Illapel, La Serena and Los Vilos. Also felt at Copiapo, Monte Patria, Santiago, Vallenar, Vicuna and Vina del Mar. Felt at San Juan, Argentina.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=4.3km az=6.2.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s45,c55; s60,c82; Moment tensor: Scale 10^{16}Nm; M_{rr}3.77±.19 $M_{\theta\theta}$0.46±.14; $M_{\phi\phi}$-4.23±.13; $M_{r\theta}$0.17±.16; $M_{\theta\phi}$0.51±.10; $M_{\phi r}$-2.47±.17; Best double couple: NP1:ϕ_s352.00000°,δ29.00000°,λ88.00000°. NP2:ϕ_s175.00000°,δ61.00000°,λ91.00000°. Principal axes: T 4.4700,Plg74.0000° ,Azm89.0000°; N 0.5200,Plg1.0000°,Azm355.0000°; P -4.9800,Plg16.0000°,Azm264.0000° $M_0$4.70000×10^{16}
GUC VI 13 21 39 13.5–.65 30.72S 71.68W 32–3 3.6,2.7L
¶14988801
GUC Error ellipse: s-maj=1.6km s-min=5.1km az=-1.0.
GUC VI 14 00 06 28.1–.64 30.69S 71.73W 20–4 3.5,3.0L
¶14988811
GUC Error ellipse: s-maj=1.5km s-min=4.2km az=-1.0.
GUC VI 14 14 13 01.2–.67 30.33S 71.59W 14–5 3.7,3.2L
¶14988819
GUC Error ellipse: s-maj=2.1km s-min=5.2km az=-1.0.
GUC VI 15 03 56 14.9–.69 30.38S 71.54W 15–6 3.7,3.3L
¶14988826
GUC Error ellipse: s-maj=5.7km s-min=8.9km az=-1.0.
GUC VI 15 21 27 38.7–.65 32.63S 71.06W 1–2 3.7,2.1L
¶14988837
GUC Error ellipse: s-maj=2.8km s-min=6.8km az=-1.0.
GUC VI 15 23 44 41.4–.80 31.05S 71.99W 12–8 3.5,3.0L
¶14988838
GUC Error ellipse: s-maj=4.3km s-min=10.0km az=-1.0.
GUC VI 16 11 54 06.1–.47 32.51S 71.61W 35–1 3.6,3.4L
¶14988858
GUC Error ellipse: s-maj=1.0km s-min=2.2km az=-1.0.
GUC VI 16 22 47 48.1–.53 31.02S 71.23W 64–3 3.9,3.7L
¶14988861
GUC Error ellipse: s-maj=1.0km s-min=9.0km az=-1.0.
ISC VI 17 15 09 05.6–.97 28.75S–.04 71.3W–.10 31 18 1-153
IDC VI 17 15 09 00.4–1.2 28.73S 71.76W 0 3.4,3.4 ¶13681545
ISCJB VI 17 15 09 04.3–.99 28.69S–.04 71.5W–.10 31 3.3b,3.4
GUC VI 17 15 09 05.7–.88 28.76S 71.35W 37–6 4.1L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=46.2km s-min=26.1km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=5.1km az=179.3.
GUC Error ellipse: s-maj=2.9km s-min=9.9km az=-1.0.
ISC VI 19 20 35 52.0–.46 30.76S–.03 71.36W–.06 58–3 4.5b 100 1-154
ISCJB VI 19 20 35 51.5–.51 30.75S–.03 71.37W–.07 67–4 4.2b ¶13681677
GUC VI 19 20 35 52.0–.69 30.76S 71.26W 59–5 4.8L
NEIC VI 19 20 35 52.0 30.76S 71.26W 59 4.5b
IDC VI 19 20 35 52.1–.62 30.70S 71.40W 58–4 4.2,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=4.4km az=8.5.
GUC Error ellipse: s-maj=1.6km s-min=8.6km az=-1.0.
NEIC Event type fe. Felt [IV] at Andacollo and Ovalle; [III] at Combarbala, Coquimbo, La Serena and Punitaqui; [II] at Illapel and La Ligua. After GUC.
IDC Error ellipse: s-maj=15.1km s-min=10.6km az=28.0.
GUC VI 20 05 18 31.4–.93 31.07S 71.67W 7–5 3.7,2.7L
¶14988946
GUC Error ellipse: s-maj=3.0km s-min=7.0km az=-1.0.
GUC VI 20 23 43 30.2–.75 32.32S 71.79W 25–5 3.6,2.6L
¶14988953
GUC Error ellipse: s-maj=1.8km s-min=6.3km az=-1.0.
GUC VI 21 08 30 34.9–.42 31.07S 71.40W 51–3 3.6,3.3L
¶14988973
GUC Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0.
GUC VI 24 04 02 58.1–.43 28.48S 71.20W 34–3 3.6,2.8L
¶14989035
GUC Error ellipse: s-maj=1.2km s-min=6.8km az=-1.0.
GUC VI 24 11 17 37.0–.84 30.95S 71.70W 15–5 3.6,3.5L
¶14989036
GUC Error ellipse: s-maj=2.6km s-min=6.6km az=-1.0.
GUC VI 24 17 18 22.1–.79 30.68S 71.63W 28–4 3.6L
¶14989037
GUC Error ellipse: s-maj=2.0km s-min=5.6km az=-1.0.
GUC VI 25 21 12 31.9–.83 32.64S 71.09W 4–2 3.5,2.3L
¶14989061
GUC Error ellipse: s-maj=1.8km s-min=3.7km az=-1.0.
ISC VI 26 13 05 33.0–.36 31.73S–.03 71.40W–.05 43–3 4.5b,3.5s 142 0-164
ISCJB VI 26 13 05 32.9–.41 31.71S–.03 71.49W–.07 54–4 4.4b,3.5s ¶13682062
GUC VI 26 13 05 33.5–.79 31.74S 71.40W 42–1 4.9L,3.5s
NEIC VI 26 13 05 33.0 31.74S 71.39W 42 4.4b,3.5s
IDC VI 26 13 05 33.4–.46 31.72S 71.29W 44–3 4.5L,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=4.3km az=177.8.
GUC Error ellipse: s-maj=1.7km s-min=4.1km az=-1.0.
NEIC Event type fe. Felt [III] at Canela, Illapel, La Ligua, Los Vilos, Punitaqui and Salamanca; [II] at Cabildo, Los Andes, San Felipe, Santiago and Zapallar. After GUC.
IDC Error ellipse: s-maj=19.0km s-min=12.3km az=84.0.
GUC VI 26 19 55 39.5–.58 29.22S 71.21W 56–10 3.6,3.2L
¶14989087
GUC Error ellipse: s-maj=1.4km s-min=10.5km az=-1.0.
ISC VI 27 18 48 08.8–.61 34.73S–.04 71.87W–.08 48–5 4.0b 78 1-157
GUC VI 27 18 48 07.6–.69 34.77S 71.84W 40–4 4.4L ¶13682151
NEIC VI 27 18 48 07.6 34.77S 71.84W 40 3.9b
ISCJB VI 27 18 48 08.0–.70 34.76S–.04 71.89W–.10 60–6 3.9b
IDC VI 27 18 48 09.1–.78 34.71S 71.69W 45–7 4.0L,3.9
ISC Event type fe.
GUC Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
NEIC Event type fe. Felt [II] at Curico, Rancagua, San Fernando, Santiago and Talca. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=14.1km s-min=5.3km az=16.7.

IDC Error ellipse: s-maj=27.2km s-min=17.8km az=89.0.
ISC VI 29 00 08 34.9–.41 38.16S–.03 73.68W–.06 10 4.7b,4.3s 98 1-177
GUC VI 29 00 08 32.3–.61 38.12S 74.10W 17–4 4.9L,4.3s **¶13307289**
ISCJB VI 29 00 08 33.9–.35 38.15S–.03 73.65W–.07 10 4.5b,4.2s
IDC VI 29 00 08 33.5–.64 38.09S 73.45W 0 4.2s,4.2
NEIC VI 29 00 08 38.9–.36 38.14S 73.38W 35 4.9L,4.8b
BJI VI 29 00 08 40.5 37.24S 71.79W 35 4.9s,4.8b
ISC Event type fe.
GUC Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=3.8km az=178.4.
IDC Error ellipse: s-maj=21.2km s-min=13.0km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=6.3km az=85.0. Felt [II] at Los Angeles and Puerto Saavedra. Also felt at Angol, Concepcion, Talcahuano and Temuco.
ISC VI 29 04 08 39.2–.91 31.67S–.04 71.65W–.06 33–4 4.0b 68 0-152
ISCJB VI 29 04 08 38.6–.68 31.67S–.03 71.71W–.08 39–7 3.9b **¶13682234**
GUC VI 29 04 08 39.1–.84 31.75S 71.63W 32–2 4.1L
NEIC VI 29 04 08 39.1 31.75S 71.63W 32 4.1L
IDC VI 29 04 08 44.7–4.2 31.58S 71.37W 76–31 3.8,3.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=5.1km az=177.6.
GUC Error ellipse: s-maj=2.5km s-min=5.8km az=-1.0.
NEIC Event type fe. Felt [III] at La Ligua and [II] at Illapel and Los Vilos. After GUC.
IDC Error ellipse: s-maj=45.3km s-min=29.9km az=23.0.
GUC VI 30 22 47 25.5–.68 32.26S 71.77W 14–4 3.6,3.2L
¶14989261
GUC Error ellipse: s-maj=1.1km s-min=4.8km az=-1.0.

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GUC I 03 16 29 49.8–.65 29.45S 70.66W 86–5 4.1L
¶14322999
GUC Error ellipse: s-maj=2.8km s-min=10.7km az=-1.0.
ISC I 12 19 13 48.6–.56 28.50S–.06 70.55W–.10 87–4 4.2b 50 1-152
ISCJB I 12 19 13 47.2–.80 28.46S–.08 70.5W–.10 94–6 3.9b **¶12081132**
NEIC I 12 19 13 48.5–.90 28.49S 70.50W 88–8 4.4b
IDC I 12 19 13 48.5–.68 28.48S 70.50W 86–4 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=11.9km az=159.2.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=11.3km az=87.0.
IDC Error ellipse: s-maj=24.6km s-min=21.1km az=63.0.
IDC I 12 20 03 53.2–1.6 28.83S 70.51W 0 4.1b,4.1
¶12081136
IDC Error ellipse: s-maj=155.5km s-min=58.1km az=157.0.
GUC I 14 01 07 32.7–.58 28.22S 70.13W 89–7 4.0L
¶14323104
GUC Error ellipse: s-maj=1.6km s-min=9.8km az=-1.0.
GUC I 27 06 50 56.9–.56 29.54S 70.54W 100–4 3.5,3.4L
¶14323294
GUC Error ellipse: s-maj=1.9km s-min=15.2km az=-1.0.
GUC II 04 13 53 42.6–.47 40.57S 72.22W 9–1 3.7L
¶14323401
GUC Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0.
GUC II 04 18 41 02.7–.36 40.61S 72.23W 12–1 3.7L
¶14323403
GUC Error ellipse: s-maj=3.0km s-min=3.6km az=-1.0.
ISC II 12 08 23 54.8–.90 36.06S–.07 71.47W–.10 96–9 3.7b 18 1-84
ISCJB II 12 08 23 53.9–.57 36.05S–.06 71.46W–.10 99–7 3.7b **¶12700211**
IDC II 12 08 23 55.8–2.5 36.07S 71.28W 101–20 3.6,3.6b
GUC II 12 08 23 55.6–.38 36.05S 71.50W 90–3 4.5L,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=8.4km az=22.6.
IDC Error ellipse: s-maj=35.9km s-min=17.5km az=101.0.
GUC Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.
GUC III 02 08 38 07.6–.72 38.82S 72.61W 60–4 4.0L
¶14693210
GUC Error ellipse: s-maj=2.0km s-min=10.6km az=-1.0.
GUC III 05 16 16 40.5–.92 36.41S 71.21W 155–10 3.5L
¶14693244
GUC Error ellipse: s-maj=5.8km s-min=16.9km az=-1.0.
GUC III 16 01 01 12.8–.79 35.28S 71.94W 52–4 3.6L
¶14693375
GUC Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
GUC III 20 02 11 34.6–.56 35.28S 71.39W 109–3 3.8L,3.4
¶14693424
GUC Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0.
GUC IV 06 18 01 55.6–.45 28.16S 70.79W 33–5 3.9,3.8L
¶14693788
GUC Error ellipse: s-maj=1.1km s-min=5.6km az=-1.0.
GUC IV 07 08 06 56.4–.82 29.48S 70.82W 100–5 3.5L
¶14693863
GUC Error ellipse: s-maj=2.9km s-min=21.9km az=-1.0.
GUC IV 10 16 35 03.1–.50 28.47S 70.71W 46–2 3.9L
¶14694044
GUC Error ellipse: s-maj=1.4km s-min=9.8km az=-1.0.
GUC IV 15 19 30 40.3–.49 28.22S 70.83W 37–3 3.5L
¶14694245
GUC Error ellipse: s-maj=1.6km s-min=10.4km az=-1.0.
ISC IV 17 03 34 19.3–.60 29.04S–.03 70.5W–.10 106–5 4.0b 44 0-152
ISCJB IV 17 03 34 18.0–.41 29.06S–.03 70.51W–.10 109–4 4.0b **¶12935516**
GUC IV 17 03 34 19.0–.73 29.04S 70.58W 102–6 4.9L
NEIC IV 17 03 34 19.0 29.04S 70.58W 102 4.5b
IDC IV 17 03 34 20.3–.78 29.06S 70.35W 106–5 3.8,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.1km s-min=4.9km az=2.2.
GUC Error ellipse: s-maj=4.6km s-min=38.2km az=-1.0.
NEIC Event type fe. Felt [III] at Chanaral, Copiapo, Coquimbo, Tierra Amarilla and Vallenar; [II] at Diego de Almagro and La Serena. After GUC.
IDC Error ellipse: s-maj=23.9km s-min=11.7km az=71.0.
ISC IV 21 00 27 44.1–.24 35.06S–.03 71.60W–.04 63–1 5.1b 953 0-176
MOS IV 21 00 27 40.1–.95 34.90S 71.56W 33 5.4b **¶12612260**
ISCJB IV 21 00 27 43.8–.25 35.09S–.02 71.56W–.05 70–2 5.0b
IDC IV 21 00 27 44.2–.35 35.04S 71.54W 60–2 4.6,4.6
GUC IV 21 00 27 44.1–.55 35.09S 71.57W 64–3 5.4L,4.6
NEIC IV 21 00 27 44.1 35.09S 71.57W 64 5.2b,4.6
BJI IV 21 00 27 45.1 34.39S 71.64W 73 5.4s,5.2b
ISC Event type fe.
MOS Error ellipse: s-maj=16.7km s-min=7.7km az=103.4.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.0km az=27.3.
IDC Error ellipse: s-maj=12.4km s-min=8.9km az=97.0.
GUC Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0.
NEIC Event type fe. Felt [V] at Talca; [IV] at Constitucion, Curico, Graneros, Melipilla, Pichilemu, Rancagua, San Bernardo, San Fernando and Santa Cruz; [III] at Colina, Lampa, Maria Pinto, Puente Alto, San Jose and Santiago; [II] at Casablanca, El Tabo, Isla de Maipo, Talagante and Valparaiso. Also felt at Buin, San Bernardo and Vina del Mar. After GUC.
ISC IV 21 03 51 21.2–.92 28.69S–.05 70.1W–.10 100–9 15 1-152
GUC IV 21 03 51 20.1–.69 28.65S 70.17W 100 3.8L **¶12935910**
ISCJB IV 21 03 51 20.2–.81 28.68S–.04 70.0W–.10 99–11 3.1b
IDC IV 21 03 51 25.8–7.7 28.97S 69.89W 135–63 2.9b,2.6
ISC Event type ke.
GUC Error ellipse: s-maj=2.4km s-min=9.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=6.6km az=176.1.
IDC Error ellipse: s-maj=79.5km s-min=57.8km az=136.0.
ISC IV 23 02 11 23.5–.87 37.53S–.04 72.06W–.09 90–10 3.6b 38 1-159
ISCJB IV 23 02 11 22.5–.47 37.55S–.03 72.0W–.10 91–9 3.5b **¶12936035**
NEIC IV 23 02 11 22.7 37.56S 71.98W 93 4.2
GUC IV 23 02 11 22.7–.45 37.56S 71.98W 93–5 4.2L
IDC IV 23 02 11 25.2–3.5 37.48S 71.58W 90–21 3.5,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=15.6km s-min=4.9km az=11.5.
NEIC Event type fe. Felt [III] at Cabrero and Los Angeles and [II] at Mulchen. After GUC.
GUC Error ellipse: s-maj=1.2km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=80.7km s-min=18.4km az=96.0.

ISC IV 28 10 50 29.4–1.2 37.26S–.08 72.4W–.30 80–14 18 1-118
GUC IV 28 10 50 27.8–.59 37.29S 72.36W 99–8 4.1L **¶12936353**
ISCJB IV 28 10 50 28.5–.75 37.28S–.06 72.2W–.20 91–11 3.1b
IDC IV 28 10 50 30.9–4.2 37.27S 72.02W 96–49 3.2,3.1
ISC Event type ke.
GUC Error ellipse: s-maj=4.5km s-min=19.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=29.2km s-min=5.9km az=15.9.
IDC Error ellipse: s-maj=91.2km s-min=19.8km az=101.0.
GUC V 01 01 55 08.8–.58 28.92S 70.63W 75–3 3.9L,3.7
¶14761371
GUC Error ellipse: s-maj=1.6km s-min=14.7km az=-1.0.
GUC V 02 04 17 20.3–.44 35.28S 71.40W 98–2 3.6L,3.5
¶14761390
GUC Error ellipse: s-maj=1.8km s-min=3.8km az=-1.0.
GUC V 02 08 37 35.1–.81 28.48S 70.46W 90–7 4.0L
NEIC V 02 08 37 35.1 28.48S 70.46W 90 4.0 **¶14642773**
GUC Error ellipse: s-maj=2.2km s-min=16.7km az=-1.0.
NEIC Event type se. After GUC.
ISC V 02 17 42 17.1–.61 28.94S–.04 70.49W–.10 97–5 4.3b 37 0-152
ISCJB V 02 17 42 15.9–.41 28.95S–.03 70.5W–.10 103–5 4.4b **¶13678243**
GUC V 02 17 42 16.8–1.1 28.95S 70.41W 91–10 4.7L
IDC V 02 17 42 18.1–.73 28.95S 70.33W 98–5 4.2,4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=4.8km az=2.4.
GUC Error ellipse: s-maj=2.6km s-min=24.0km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=11.1km az=64.0.
GUC V 03 20 42 29.0–.50 40.98S 72.82W 90–3 4.1L
¶14761409
GUC Error ellipse: s-maj=1.5km s-min=8.7km az=-1.0.
ISC V 07 21 51 14.9–.53 35.61S–.03 71.40W–.06 92–5 4.2b 90 0-157
NEIC V 07 21 51 14.7 35.62S 71.40W 88 4.3b **¶13678523**
GUC V 07 21 51 14.7–.50 35.62S 71.40W 88–3 4.4L
ISCJB V 07 21 51 14.0–.34 35.65S–.03 71.35W–.08 96–4 4.1b
IDC V 07 21 51 15.4–.76 35.54S 71.24W 93–6 4.1,4.0
ISC Event type fe.
NEIC Event type fe. Felt [III] at Talca, [II] at Linares and Parral. After GUC.
GUC Error ellipse: s-maj=1.9km s-min=4.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=3.6km az=22.8.
IDC Error ellipse: s-maj=19.7km s-min=10.9km az=106.0.
GUC V 19 04 50 21.0–.53 28.30S 70.38W 68–5 3.9L
¶14761721
GUC Error ellipse: s-maj=1.3km s-min=8.5km az=-1.0.
GUC V 24 21 24 18.5–.45 35.75S 71.38W 115–3 3.5L
¶14761799
GUC Error ellipse: s-maj=2.6km s-min=4.3km az=-1.0.
GUC V 26 19 05 18.9–.64 35.25S 71.26W 22–4 3.6,3.5L
¶14762206
GUC Error ellipse: s-maj=3.0km s-min=4.6km az=-1.0.
GUC VI 02 18 48 42.6–.87 35.79S 71.23W 100 3.5,3.0L
¶14988562
GUC Error ellipse: s-maj=8.0km s-min=31.9km az=-1.0.
GUC VI 04 20 44 41.1–.92 36.05S 71.74W 15–15 3.6,2.8L
¶14988609
GUC Error ellipse: s-maj=21.9km s-min=18.6km az=-1.0.
GUC VI 11 03 10 55.8–.77 35.94S 71.79W 68–5 3.7,3.3L
¶14988745
GUC Error ellipse: s-maj=2.8km s-min=5.0km az=-1.0.
ISC VI 12 23 29 36.3–.68 29.35S–.03 70.63W–.08 87–6 62 0-153
ISCJB VI 12 23 29 35.4–.40 29.36S–.02 70.62W–.09 91–5 3.7b **¶13681257**
NEIC VI 12 23 29 35.7 29.35S 70.70W 81 4.8
GUC VI 12 23 29 35.7–.69 29.35S 70.70W 81–3 4.8L
IDC VI 12 23 29 37.2–.87 29.28S 70.49W 89–6 3.6,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=4.0km az=3.7.
NEIC Event type fe. Felt [II] at Alto del Carmen, Copiapo and Vallenar. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=16.2km az=-1.0.
IDC Error ellipse: s-maj=26.4km s-min=11.1km az=60.0.
ISC VI 25 03 48 14.4–.99 37.20S–.03 72.77W–.09 61–9 4.2b 68 1-159
ISCJB VI 25 03 48 13.5–.57 37.21S–.03 72.6W–.10 64–5 4.1b **¶13681992**
NEIC VI 25 03 48 13.4 37.17S 72.83W 72 4.3b
GUC VI 25 03 48 13.4–.82 37.17S 72.83W 72–13 5.0L
IDC VI 25 03 48 15.3–2.8 37.21S 72.45W 57–24 4.2L,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.1km s-min=3.9km az=12.5.
NEIC Event type fe. Felt [III] at Angol, Chillan, Concepcion, Curacautin, La Florida and Los Angeles. After GUC.
GUC Error ellipse: s-maj=4.0km s-min=20.0km az=-1.0.
IDC Error ellipse: s-maj=33.6km s-min=13.0km az=98.0.
GUC VI 25 07 27 51.1–.64 28.45S 70.45W 71–7 4.0L
NEIC VI 25 07 27 51.1 28.45S 70.45W 71 4.0 **¶14931678**
GUC Error ellipse: s-maj=1.6km s-min=12.2km az=-1.0.
NEIC Event type se. After GUC.

(137) San Juan Province.

ISC I 10 13 40 33.1–.70 31.34S–.05 68.18W–.05 101–6 46 0-153
ISCJB I 10 13 40 33.1–.60 31.33S–.04 68.25W–.05 106–7 3.7b **¶12080949**
NEIC I 10 13 40 33.3–.51 31.44S 68.24W 103–6 4.5b
IDC I 10 13 40 33.6–1.7 31.51S 68.35W 104–11 3.4,3.3
GUC I 10 13 40 34.2–1.0 31.32S 68.53W 150 3.9L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.7km az=179.8.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.6km az=61.0.
IDC Error ellipse: s-maj=64.7km s-min=28.6km az=133.0.
GUC Error ellipse: s-maj=3.0km s-min=8.0km az=-1.0.
ISC I 11 05 27 12.0–.80 31.59S–.03 69.33W–.04 17–4 4.8b,3.5s 284 1-174
IDC I 11 05 27 09.8–.63 31.59S 69.21W 0 4.6L,4.5b **¶11594504**
ISCJB I 11 05 27 10.9–.19 31.56S–.03 69.30W–.03 10 4.7b,3.5s
NEIC I 11 05 27 10.7–2.5 31.66S 69.27W 5–15 4.9b,3.5s
GUC I 11 05 27 11.1–.94 31.54S 69.36W 15–17 4.3L,3.5s
BJI I 11 05 27 13.5 31.70S 69.40W 10 5.3s,5.1
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=13.5km az=28.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=36.9.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.9km az=64.0.
GUC Error ellipse: s-maj=3.7km s-min=5.5km az=-1.0.
GUC I 12 08 10 51.0–.78 31.30S 69.58W 154–13 3.6L
¶14323092
GUC Error ellipse: s-maj=2.0km s-min=16.8km az=-1.0.
ISC I 21 10 40 26.8–.56 31.59S–.03 69.53W–.04 116–5 3.7b 109 1-151
ISCJB I 21 10 40 25.9–.39 31.60S–.03 69.52W–.05 119–4 3.8b **¶12081961**
GUC I 21 10 40 25.9–.55 31.63S 69.83W 150–4 4.2L
NEIC I 21 10 40 26.5–.28 31.64S 69.48W 113 4.3b,4.3
IDC I 21 10 40 27.0–.75 31.73S 69.42W 116–6 3.9,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.4km az=2.1.
GUC Error ellipse: s-maj=1.3km s-min=5.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.5km az=104.0. Felt [III] at San Juan.
IDC Error ellipse: s-maj=15.7km s-min=14.6km az=6.0.
ISC I 29 16 38 41.2–1.5 31.38S–.04 68.9W–.20 139–18 52 2-55
ISCJB I 29 16 38 39.6–.82 31.39S–.04 68.8W–.10 139–16 4.4b **¶13989271**
NEIC I 29 16 38 39.5–.75 31.39S 68.57W 111–15 4.4b,4.2
GUC I 29 16 38 39.9–.61 31.38S 68.90W 150 4.2L,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.0km s-min=5.4km az=173.2.
NEIC Event type fe. Error ellipse: s-maj=15.7km s-min=6.9km az=77.0. Felt [III] at San Juan.
GUC Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.
ISC II 01 04 57 58.0–.54 31.32S–.04 68.91W–.07 112–5 3.9b 89 2-153
ISCJB II 01 04 57 57.0–.65 31.32S–.03 68.9W–.10 115–9 3.9b **¶12699307**
NEIC II 01 04 57 57.6–.46 31.35S 68.87W 107–5 4.0b,3.8
GUC II 01 04 57 57.1–.65 31.31S 69.19W 154–24 4.0L,3.8
IDC II 01 04 57 58.2–.85 31.45S 68.88W 110–6 3.6b,3.5

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=4.9km az=178.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=4.8km az=86.0.
GUC Error ellipse: s-maj=2.1km s-min=22.3km az=-1.0.
IDC Error ellipse: s-maj=28.9km s-min=25.4km az=66.0.
GUC II 01 12 40 36.0–.86 31.28S 69.72W 5–7 3.8,3.2L ¶14323358

GUC Error ellipse: s-maj=2.6km s-min=6.0km az=-1.0.
GUC II 05 07 31 09.6–.60 31.23S 68.87W 145 3.8L,3.1 ¶14323415

GUC Error ellipse: s-maj=3.3km s-min=6.0km az=-1.0.
GUC II 05 21 42 35.7–.35 31.20S 67.94W 150 4.4L
NEIC II 05 21 42 35.7 31.20S 67.94W 150 4.0 **¶14189272**
GUC Error ellipse: s-maj=6.6km s-min=8.4km az=-1.0.
NEIC Event type fe. Felt [III] in San Juan. After GUC.
GUC II 07 23 00 14.8–.49 31.46S 69.12W 21–10 3.6,3.3L ¶14323444

GUC Error ellipse: s-maj=6.1km s-min=5.5km az=-1.0.
GUC II 10 05 32 56.6–.64 31.21S 69.44W 162–14 3.5L,3.4 ¶14323466

GUC Error ellipse: s-maj=1.9km s-min=14.7km az=-1.0.
GUC II 13 16 25 49.5–.67 31.29S 69.66W 168–14 3.9L ¶14323496

GUC Error ellipse: s-maj=1.9km s-min=19.9km az=-1.0.
GUC II 14 13 17 45.0–.36 31.64S 69.79W 128–4 3.6L,3.3 ¶14323503

GUC Error ellipse: s-maj=1.2km s-min=4.7km az=-1.0.
GUC II 19 09 46 35.5–.92 31.73S 69.83W 11–9 3.6,2.7L ¶14323561

GUC Error ellipse: s-maj=2.5km s-min=12.3km az=-1.0.
GUC II 25 10 28 39.8–.82 31.76S 68.41W 1–10 4.0,3.5L ¶14323659

GUC Error ellipse: s-maj=4.3km s-min=14.0km az=-1.0.
GUC II 27 05 16 48.7–.70 31.32S 69.03W 131–24 3.7L,3.4 ¶14323676

GUC Error ellipse: s-maj=2.7km s-min=14.1km az=-1.0.
GUC III 05 15 58 30.9–.96 31.53S 69.70W 125–15 3.6,3.5L ¶14693243

GUC Error ellipse: s-maj=2.5km s-min=13.8km az=-1.0.
ISC III 08 23 04 41.6–.70 31.40S–.04 68.73W–.05 102–6 3.5b 47 0-163
ISCJB III 08 23 04 40.9–.46 31.39S–.03 68.73W–.05 108–5 3.6b **¶12702763**
GUC III 08 23 04 41.3–.58 31.43S 68.99W 150–11 4.0L,3.9
IDC III 08 23 04 41.7–.85 31.54S 68.65W 103–6 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=20.5.
GUC Error ellipse: s-maj=1.4km s-min=8.4km az=-1.0.
IDC Error ellipse: s-maj=26.9km s-min=24.2km az=108.0.
GUC III 10 11 20 15.3–.64 31.73S 69.49W 137–10 3.6L,3.6 ¶14693286

GUC Error ellipse: s-maj=1.7km s-min=9.1km az=-1.0.
ISC III 10 17 13 22.6–.98 31.22S–.04 68.8W–.10 109–10 32 2-153
GUC III 10 17 13 21.7–.69 31.20S 68.95W 150 3.8L **¶12702893**
ISCJB III 10 17 13 22.1–1.1 31.22S–.03 68.8W–.20 119–16 3.6b
IDC III 10 17 13 22.2–4.2 31.32S 68.85W 107–38 3.5b,3.5
ISC Event type ke.
GUC Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=5.5km az=177.0.
IDC Error ellipse: s-maj=51.0km s-min=34.2km az=98.0.
ISC III 11 13 06 53.3–.27 31.92S–.03 69.28W–.03 29–1 5.5b,4.8s 1104 1-177
IDC III 11 13 06 48.9–.38 31.99S 69.28W 0 5.2,5.2b **¶11799078**
ISCJB III 11 13 06 51.5–1.1 31.82S–.02 69.14W–.03 23–7 5.5b,4.8s
BJI III 11 13 06 51.8 31.83S 70.05W 28 5.4b,5.3s
DJA III 11 13 06 52.8–1.5 32S–13 69W–8.0 17–10 5.4,5.4b
GUC III 11 13 06 52.3–.96 31.89S 69.30W 12–12 5.5L,5.4b
MOS III 11 13 06 53.3–.97 31.80S 69.22W 33 5.6b,4.8s
NEIC III 11 13 06 53.5–.12 31.89S 69.19W 28 5.5b,5.5L
GCMT III 11 13 06 56.5–.20 31.98S 69.29W 37–0 5.3W,5.5L
ISC Event type fe.
IDC Error ellipse: s-maj=12.2km s-min=11.6km az=14.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.4km az=40.7.
GUC Error ellipse: s-maj=4.4km s-min=12.2km az=-1.0.
MOS Error ellipse: s-maj=12.6km s-min=6.0km az=98.1.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=98.0. Felt [VI] at Barreal, [V] at San Juan and [IV] at Mendoza. Also felt at Cordoba, San Luis, San Martin and San Rafael. Felt [III] at Petorca and [II] at Coquimbo, El Tabo, Illapel, La Serena, Los Andes, Ovalle, Rancagua, San Felipe, Santiago and Valparaiso, Chile. Also felt at Vina del Mar. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}0.84 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-1.12 $M_{r\theta}$-0.29 $M_{\theta\phi}$0.49 $M_{\phi r}$-0.05 Best double couple: NP1:ϕ_s318.00000°,δ52.00000°,λ54.00000°. NP2: ϕ_s188.00000°,δ50.00000°,λ127.00000°. Principal axes: T 0.9900,Plg62.0000°,Azm164.0000° ; N 0.2800,Plg27.0000°,Azm341.0000°; P -1.2700,Plg0.0000°,Azm72.0000° $M_0$1.20000×10^{17}
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s66,c95; s89,c132; Moment tensor: Scale 10^{17}Nm; M_{rr}1.03±.03 $M_{\theta\theta}$0.20±.02; $M_{\phi\phi}$-1.23±.02; $M_{r\theta}$-0.21±.02; $M_{\theta\phi}$0.08±.02; $M_{\phi r}$0.08±.02; Best double couple: NP1:ϕ_s190.00000°,δ44.00000°,λ109.00000°. NP2:ϕ_s344.00000°,δ49.00000°,λ72.00000°. Principal axes: T 1.0800,Plg76.0000° ,Azm186.0000°; N 0.1500,Plg13.0000°,Azm356.0000°; P -1.2400,Plg2.0000°,Azm87.0000° $M_0$1.20000×10^{17}
GUC III 17 04 08 49.7–.86 31.92S 69.26W 144–15 3.8,3.7L ¶14693386

GUC Error ellipse: s-maj=2.7km s-min=12.5km az=-1.0.
ISC III 19 03 26 39.7–.32 31.64S–.03 69.21W–.04 110–2 4.6b 621 1-174
ISCJB III 19 03 26 38.2–.35 31.63S–.03 69.10W–.04 104–3 4.6b **¶12025766**
GUC III 19 03 26 38.6–1.0 31.65S 69.50W 152–16 4.2L
IDC III 19 03 26 39.8–.44 31.69S 69.06W 111–3 4.2,4.1b
NEIC III 19 03 26 39.7–.14 31.72S 69.15W 111 4.6b,4.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.4km az=2.4.
GUC Error ellipse: s-maj=3.3km s-min=14.6km az=-1.0.
IDC Error ellipse: s-maj=12.6km s-min=11.0km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.2km az=97.0. Felt [III] at San Juan.
ISC III 19 03 34 23.6–.70 31.14S–.05 68.63W–.06 105–7 3.5b 36 1-153
ISCJB III 19 03 34 22.9–.47 31.17S–.04 68.63W–.05 111–5 3.4b **¶12703640**
GUC III 19 03 34 23.3–.88 31.12S 68.89W 149 4.2L,3.8
IDC III 19 03 34 23.7–.67 31.24S 68.49W 106–8 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.2km az=20.9.
GUC Error ellipse: s-maj=2.9km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=28.1km s-min=23.8km az=152.0.
GUC III 20 07 40 48.8–.82 31.96S 69.45W 144–14 3.6,3.5L ¶14693430

GUC Error ellipse: s-maj=2.8km s-min=12.4km az=-1.0.
ISC III 25 06 05 14.7–.91 31.58S–.06 68.66W–.06 108–7 22 0-153
IDC III 25 06 05 13.8–1.9 31.71S 68.71W 101–9 3.7b,3.6 **¶12635527**
ISCJB III 25 06 05 14.8–.75 31.62S–.05 68.67W–.06 108–7 3.8b,3.6
GUC III 25 06 05 15.8–.52 31.61S 68.98W 145–19 3.7L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=52.5km s-min=41.9km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=7.4km az=137.1.
GUC Error ellipse: s-maj=2.6km s-min=13.6km az=-1.0.
GUC III 25 16 16 37.6–.76 31.29S 68.62W 139–39 3.5L,3.3 ¶14693476

GUC Error ellipse: s-maj=4.1km s-min=21.4km az=-1.0.
GUC III 28 06 37 18.4–.58 31.52S 69.93W 125–8 3.5L ¶14693514

GUC Error ellipse: s-maj=1.4km s-min=7.7km az=-1.0.
ISC III 29 05 06 54.0–.42 31.38S–.03 69.17W–.04 113–3 4.3b 176 1-174
ISCJB III 29 05 06 52.8–.33 31.37S–.02 69.13W–.05 114–3 4.4b **¶12062933**
GUC III 29 05 06 52.8–.76 31.41S 69.79W 178–6 4.2L,3.9
NEIC III 29 05 06 53.5–.20 31.41S 69.10W 111 4.4b,3.9
IDC III 29 05 06 54.1–.56 31.44S 69.05W 116–4 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.9km az=5.6.
GUC Error ellipse: s-maj=1.5km s-min=11.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.6km az=103.0.
IDC Error ellipse: s-maj=16.0km s-min=12.4km az=67.0.
GUC IV 06 04 54 11.2–.59 31.23S 68.75W 160–16 3.8L ¶14693773

GUC Error ellipse: s-maj=1.5km s-min=11.7km az=-1.0.
GUC IV 14 23 16 42.2–.98 31.20S 68.58W 140 3.5L ¶14694207

GUC Error ellipse: s-maj=2.7km s-min=8.9km az=-1.0.
GUC IV 20 05 49 49.2–.78 31.62S 69.55W 145–14 3.5L ¶14694446

GUC Error ellipse: s-maj=2.1km s-min=12.2km az=-1.0.
GUC IV 24 02 57 09.9–.67 31.76S 69.43W 153–13 3.9L ¶14694589

GUC Error ellipse: s-maj=3.5km s-min=12.6km az=-1.0.
GUC IV 28 22 15 25.0–.83 31.18S 67.85W 150 3.9L ¶14694740

GUC Error ellipse: s-maj=2.8km s-min=6.0km az=-1.0.
GUC V 03 05 29 40.2–.60 31.64S 67.90W 140 3.7L ¶14761405

GUC Error ellipse: s-maj=4.2km s-min=4.9km az=-1.0.
ISC V 03 13 16 40.4–.76 31.78S–.04 69.87W–.05 117–7 3.3b 43 1-154
ISCJB V 03 13 16 39.9–.43 31.77S–.03 69.87W–.06 122–5 3.3b **¶13678276**
GUC V 03 13 16 40.7–.77 31.82S 70.07W 130–9 4.2L,4.0
IDC V 03 13 16 42.4–2.1 31.68S 69.68W 127–14 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.7km az=1.0.
GUC Error ellipse: s-maj=2.4km s-min=10.5km az=-1.0.
IDC Error ellipse: s-maj=44.6km s-min=28.5km az=24.0.
IDC V 06 19 53 36.2–2.9 30.44S 68.77W 0 4.1L,3.7b ¶16155464

IDC Error ellipse: s-maj=115.8km s-min=69.1km az=75.0.
GUC V 08 08 18 35.4–.58 31.13S 68.55W 150 3.5L ¶14761499

GUC Error ellipse: s-maj=3.1km s-min=4.7km az=-1.0.
ISC V 10 15 35 34.4–.47 31.32S–.05 68.66W–.05 109–4 4.0b 88 0-153
ISCJB V 10 15 35 33.5–.40 31.32S–.04 68.66W–.05 110–4 4.0b **¶13678687**
IDC V 10 15 35 34.5–.53 31.40S 68.63W 106–3 3.9,3.8
NEIC V 10 15 35 34.4–.27 31.33S 68.66W 107 4.1b,3.8
GUC V 10 15 35 34.1–.65 31.28S 68.89W 140 4.3L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.8km az=163.8.
IDC Error ellipse: s-maj=20.9km s-min=12.2km az=66.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.2km az=103.0.
GUC Error ellipse: s-maj=2.5km s-min=6.4km az=-1.0.
GUC V 16 10 45 17.9–.47 30.26S 68.53W 127–34 4.3L,4.2
NEIC V 16 10 45 17.9 30.26S 68.53W 127 4.2,4.2 **¶14645685**
GUC Error ellipse: s-maj=1.3km s-min=18.7km az=-1.0.
NEIC Event type se. After GUC.
GUC V 18 11 38 46.8–.66 31.07S 68.74W 150 3.6L ¶14761705

GUC Error ellipse: s-maj=4.7km s-min=6.4km az=-1.0.
GUC V 29 09 05 21.4–.67 31.32S 69.19W 150 4.2,4.1L ¶14762481

GUC Error ellipse: s-maj=2.0km s-min=4.2km az=-1.0.
GUC VI 02 23 13 02.6–.77 31.90S 69.43W 145–16 3.5,3.4L ¶14988568

GUC Error ellipse: s-maj=4.3km s-min=13.9km az=-1.0.
GUC VI 03 05 09 25.7–.66 31.08S 68.53W 149–41 3.6L ¶14988577

GUC Error ellipse: s-maj=3.0km s-min=26.9km az=-1.0.
GUC VI 03 17 26 19.3–.83 31.65S 68.79W 8–9 3.8,3.4L ¶14988583

GUC Error ellipse: s-maj=3.8km s-min=7.8km az=-1.0.
ISC VI 04 07 36 14.3–1.8 30.86S–.06 68.41W–.07 38–3 17 2-152
IDC VI 04 07 36 06.9–1.9 31.71S 68.45W 0 3.9b,3.9L **¶13680444**
ISCJB VI 04 07 36 11.2–2.6 30.86S–.06 68.31W–.05 27–23 3.7b,3.9L
GUC VI 04 07 36 13.0–.70 30.83S 68.67W 4 4.1,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=74.2km s-min=39.2km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.6km az=155.6.
GUC Error ellipse: s-maj=3.2km s-min=6.2km az=-1.0.
ISC VI 06 06 24 29.4–.91 31.84S–.06 68.27W–.07 113–7 31 0-153
ISCJB VI 06 06 24 29.0–.73 31.85S–.05 68.28W–.07 116–6 3.3b **¶13680658**
IDC VI 06 06 24 28.8–1.5 31.85S 68.33W 105–6 3.4,3.2
GUC VI 06 06 24 29.2–.78 31.86S 68.46W 150–25 3.6L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.8km az=29.1.
IDC Error ellipse: s-maj=43.5km s-min=37.3km az=41.0.
GUC Error ellipse: s-maj=3.0km s-min=15.0km az=-1.0.
GUC VI 06 13 04 58.5–.55 31.56S 69.24W 151–11 3.5L ¶14988643

GUC Error ellipse: s-maj=1.6km s-min=9.6km az=-1.0.
ISC VI 09 15 15 51.0–.69 31.46S–.04 69.28W–.04 109–6 3.9b 81 1-153
ISCJB VI 09 15 15 50.6–.39 31.52S–.04 69.24W–.05 116–4 4.1b **¶13681053**
IDC VI 09 15 15 50.5–3.0 31.58S 69.16W 102–26 3.9,3.8
GUC VI 09 15 15 50.6–.79 31.52S 69.55W 152–18 4.4L,4.0
NEIC VI 09 15 15 51.0–.38 31.51S 69.20W 106–4 4.5,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.6km az=30.8.
IDC Error ellipse: s-maj=31.7km s-min=16.8km az=85.0.
GUC Error ellipse: s-maj=4.3km s-min=17.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=5.6km az=102.0. Felt [IV] at San Juan.
GUC VI 13 06 24 51.4–.49 31.20S 68.28W 150 3.6L,3.5 ¶14988792

GUC Error ellipse: s-maj=2.0km s-min=4.1km az=-1.0.
ISC VI 30 00 24 31.2–.82 31.70S–.05 68.31W–.06 107–7 3.3b 29 0-151
ISCJB VI 30 00 24 30.0–.64 31.71S–.04 68.27W–.06 111–6 3.5b **¶13682284**
GUC VI 30 00 24 29.5–.59 31.72S 68.99W 212–13 3.4L,3.3
IDC VI 30 00 24 29.8–1.4 31.72S 68.47W 99–6 3.2,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.3km az=19.1.
GUC Error ellipse: s-maj=1.6km s-min=17.1km az=-1.0.
IDC Error ellipse: s-maj=49.6km s-min=26.4km az=115.0.

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ISC I 02 22 21 20.3–1.1 28.34S–.05 67.64W–.07 37–1 4.4b 55 3-160
IDC I 02 22 21 13.9–.93 28.35S 67.99W 0 4.5b,4.2 **¶12079856**
ISCJB I 02 22 21 17.2–2.1 28.37S–.04 67.58W–.04 24–18 4.4b,4.2
GUC I 02 22 21 18.7–.51 28.38S 67.92W 0–8 4.1L,4.2
NEIC I 02 22 21 20.5–.66 28.32S 67.68W 42–8 4.1,4.2
ISC Event type fe.
IDC Error ellipse: s-maj=33.5km s-min=23.4km az=130.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=6.2km az=160.1.
GUC Error ellipse: s-maj=3.2km s-min=10.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=8.1km az=109.0. Felt [IV] at Tinogasta.
ISC I 16 02 07 56.9–2.8 28.59S–.06 68.6W–.30 100–32 23 2-151
IDC I 16 02 07 42.2–5.8 29.38S 68.63W 0 4.1b,4.1 **¶12081400**
GUC I 16 02 07 56.9–.69 28.57S 68.87W 150 3.8L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=352.8km s-min=97.7km az=1.0.
GUC Error ellipse: s-maj=2.0km s-min=5.4km az=-1.0.
IDC I 16 11 12 10.0–3.3 31.56S 66.54W 139–44 3.5,3.3 ¶12081431

IDC Error ellipse: s-maj=69.7km s-min=50.5km az=99.0.
ISC II 06 08 58 32.3–.41 28.47S–.03 68.86W–.05 104–3 4.3b 456 2-173
ISCJB II 06 08 58 29.2–.57 28.47S–.03 68.67W–.05 81–4 4.4b **¶11667363**
NEIC II 06 08 58 30.5–.42 28.50S 68.69W 86–3 4.5b
GUC II 06 08 58 31.8–.56 28.46S 68.79W 58–108 4.8L
BJI II 06 08 58 31.1 28.40S 68.70W 87 5.1s,5.0b

IDC II 06 08 58 32.9–.51 28.55S 68.71W 108–4 4.2,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.7km az=177.8.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.6km az=86.0. Felt at La Rioja. Felt [II] at Copiapo, Chile.
GUC Error ellipse: s-maj=2.8km s-min=10.7km az=-1.0.
IDC Error ellipse: s-maj=17.8km s-min=9.6km az=79.0.
IDC II 08 09 30 46.8–2.6 28.78S 67.47W 133–20 3.4b,3.2
¶15955213
IDC Error ellipse: s-maj=74.1km s-min=21.6km az=113.0.
ISC III 08 05 18 41.2–.41 28.71S–.04 67.22W–.05 135–3 4.5b 273 3-174
ISCJB III 08 05 18 38.7–.56 28.69S–.03 67.17W–.05 119–5 4.5b **¶11788800**
NEIC III 08 05 18 41.5–.27 28.75S 67.20W 137 4.7b
IDC III 08 05 18 41.1–.48 28.79S 67.14W 132–4 4.1,4.0
GUC III 08 05 18 42.2–1.1 28.64S 67.56W 169–81 5.1L,4.0
BJI III 08 05 18 42.7 28.80S 67.10W 139 4.9b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.3km az=167.4.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.2km az=101.0.
IDC Error ellipse: s-maj=15.7km s-min=8.7km az=108.0.
GUC Error ellipse: s-maj=5.4km s-min=44.9km az=-1.0.
ISC III 17 12 56 54.5–.76 28.38S–.06 67.62W–.07 131–9 23 3-147
ISCJB III 17 12 56 53.4–.77 28.41S–.05 67.55W–.08 128–11 3.8b **¶12703513**
GUC III 17 12 56 55.3–.86 28.44S 67.65W 130 4.1L
IDC III 17 12 56 55.4–.83 28.52S 67.50W 137–7 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=8.7km az=176.6.
GUC Error ellipse: s-maj=8.0km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=30.2km s-min=12.6km az=108.0.
GUC IV 20 09 08 10.9–.32 28.41S 67.65W 100 4.0L
¶14694448
GUC Error ellipse: s-maj=1.7km s-min=2.3km az=-1.0.
GUC V 03 15 01 08.1–.70 28.62S 68.96W 145–48 3.9L
¶14761408
GUC Error ellipse: s-maj=3.0km s-min=33.8km az=-1.0.
ISC V 23 09 48 01.9–.49 28.73S–.04 67.28W–.06 137–5 4.0b 103 3-150
ISCJB V 23 09 47 59.9–.64 28.72S–.04 67.22W–.06 127–7 4.0b **¶13679457**
IDC V 23 09 48 02.8–.53 28.82S 67.18W 140–4 3.9,3.8
NEIC V 23 09 48 02.0–.25 28.78S 67.25W 137 4.2b,3.8
GUC V 23 09 48 02.7–.88 28.82S 67.51W 135–85 5.0L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.6km az=157.2.
IDC Error ellipse: s-maj=17.0km s-min=8.9km az=112.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.6km az=114.0.
GUC Error ellipse: s-maj=6.2km s-min=34.3km az=-1.0.
ISC V 24 03 54 18.9–.72 28.94S–.04 68.34W–.07 98–7 3.7b 33 2-151
ISCJB V 24 03 54 17.6–.68 28.96S–.03 68.32W–.07 100–9 3.6b **¶13679521**
IDC V 24 03 54 18.8–1.9 28.97S 68.33W 95–18 3.7,3.5b
GUC V 24 03 54 18.1–.80 28.99S 68.50W 139–28 4.0L,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.3km az=171.7.
IDC Error ellipse: s-maj=26.3km s-min=17.2km az=93.0.
GUC Error ellipse: s-maj=2.3km s-min=16.9km az=-1.0.
IDC VI 25 18 20 09.4–1.7 28.58S 67.43W 119–15 3.7b,3.2
¶16101723
IDC Error ellipse: s-maj=35.5km s-min=16.0km az=109.0.

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GUC I 03 03 11 59.6–.79 33.73S 68.78W 11–4 3.6,3.0L
¶14322995
GUC Error ellipse: s-maj=4.7km s-min=3.9km az=-1.0.
ISC II 05 14 16 39.5–1.9 32.97S–.06 69.15W–.07 24–17 15 1-38
NEIC II 05 14 16 39.0 32.90S 69.17W 11 4.3 **¶14189270**
GUC II 05 14 16 40.1–.84 34.18S 71.54W 6–27 2.8L
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Potrerillos. After SJA.
GUC Error ellipse: s-maj=18.4km s-min=15.3km az=-1.0.
ISC III 11 14 19 30.9–1.2 32.01S–.05 69.32W–.04 17–9 3.8b 45 1-154
IDC III 11 14 19 27.4–1.1 32.14S 69.28W 0 4.1,4.1L **¶12702971**
ISCJB III 11 14 19 31.9–1.4 31.80S–.03 69.32W–.04 15–9 3.8b,4.1L
GUC III 11 14 19 32.8–.89 31.90S 69.48W 2–5 4.1L,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=39.8km s-min=19.9km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=44.8.
GUC Error ellipse: s-maj=2.4km s-min=6.0km az=-1.0.
IDC III 21 22 10 52.8–4.2 32.45S 67.80W 151–46 3.6s,3.5
¶12635228
IDC Error ellipse: s-maj=85.9km s-min=30.3km az=96.0.
GUC III 27 05 29 31.3–.29 34.09S 68.64W 5–7 3.6,2.8L
¶14693499
GUC Error ellipse: s-maj=4.3km s-min=4.2km az=-1.0.
ISC IV 26 08 03 38.0–.25 32.89S–.03 69.40W–.04 132–2 5.0b 973 1-174
BJI IV 26 08 03 34.8 32.80S 69.30W 107 5.3b **¶12697300**
ISCJB IV 26 08 03 34.8–.30 32.76S–.03 69.23W–.04 109–2 5.0b
MOS IV 26 08 03 35.7–.91 32.81S 69.39W 118 5.0b
GUC IV 26 08 03 36.5–.54 32.84S 69.65W 138–5 5.6L
NEIC IV 26 08 03 36.5–.23 32.85S 69.34W 115–2 5.1,5.0b
IDC IV 26 08 03 38.2–.45 32.85S 69.31W 130–3 4.8,4.7
GCMT IV 26 08 03 40.5–.20 32.89S 69.49W 141–1 5.3W,4.7
DJA IV 26 08 04 00.2–9.6 33S–40 69W–28 298–83 5.8b,5.4
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Mendoza, [III] at San Martin and [II] at San Luis. Also felt at San Juan and San Rafael. Felt [IV] at Melipilla, Santiago and Talagante; [III] at Valparaiso and Vina del Mar, Chile. Also felt at Colina, Coquimbo, Limache, Rancagua and Salamanca.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s72,c108; s90,c162; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s145.00000°,δ49.00000°,λ169.00000°. NP2:ϕ_s242.00000° ,δ82.00000°,λ42.00000°. Principal axes: T 1.3100,Plg34.0000°,Azm112.0000° ; N -0.0400,Plg48.0000°,Azm251.0000°; P -1.2700,Plg22.0000°,Azm7.0000° $M_0$1.30000×10^{17}
ISC IV 29 22 44 04.5–.26 32.78S–.03 69.87W–.04 122–2 4.9b 870 1-173
MOS IV 29 22 44 01.3–1.0 32.70S 69.68W 100 5.0b **¶12746032**
ISCJB IV 29 22 44 02.0–.31 32.72S–.02 69.71W–.05 107–2 4.9b
NEIC IV 29 22 44 03.3 32.80S 70.04W 122 4.9b,4.9
GUC IV 29 22 44 03.3–.64 32.80S 70.04W 122–3 5.1L,4.9
IDC IV 29 22 44 04.8–.44 32.76S 69.75W 122–3 4.5,4.4
BJI IV 29 22 44 07.3 32.70S 69.70W 126 5.0b,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=14.2km s-min=7.7km az=101.2.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.8km az=177.2.
NEIC Event type fe. Felt [IV] at Mendoza. Felt [III] at Santiago and in Cordillera and Maipo; [II] at Cabildo, Chacabuco, La Ligua, Los Andes, Puchuncavi, Quillota, San Felipe and Zapallar, Chile. Also felt at Limache and Valparaiso. After GUC.
GUC Error ellipse: s-maj=2.0km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=12.7km s-min=9.9km az=67.0.
ISC V 08 13 44 53.8–.23 32.02S–.03 69.72W–.04 114–1 5.6b 738 1-178
ISCJB V 08 13 44 51.0–.32 31.92S–.03 69.60W–.03 96–3 5.6b **¶12784565**
BJI V 08 13 44 51.0 31.90S 69.40W 87 5.4s,5.1b
MOS V 08 13 44 51.3–1.1 31.92S 69.65W 97 5.6b,5.1b
GUC V 08 13 44 52.5–.59 32.04S 69.93W 127–10 5.5L,5.1b
NEIC V 08 13 44 53.5–.14 32.06S 69.68W 112 5.6b,5.6
IDC V 08 13 44 54.0–.34 32.02S 69.68W 111–2 5.2,5.2
GCMT V 08 13 44 57.1–.20 32.02S 69.68W 110–1 5.4W,5.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=4.6km az=156.0.
MOS Error ellipse: s-maj=11.1km s-min=5.8km az=94.0.
GUC Error ellipse: s-maj=4.6km s-min=9.2km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.6km az=89.0. Felt [V] at Barreal and Uspallata; [IV] at Mendoza and San Juan. Felt [III] at Combarbala, Ovalle, Rancagua, San Antonio, San Felipe, Santiago and Valparaiso; [II] at Hijuelas, Hurtado, Illapel, La Calera and Quillota, Chile. Also felt at Copiapo, Limache and Vina del Mar. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$1.08 $M_{r\theta}$-0.65 $M_{\theta\phi}$0.29 $M_{\phi r}$-0.88 Best double couple: NP1:ϕ_s172.00000°,δ26.00000°,λ-126.00000°. NP2:ϕ_s31.00000° ,δ69.00000°,λ-74.00000°. Principal axes: T 1.5700,Plg22.0000°,Azm108.0000° ; N -0.0900,Plg14.0000°,Azm204.0000°; P -1.4700,Plg62.0000°,Azm325.0000° $M_0$1.50000×10^{17}
IDC Error ellipse: s-maj=8.5km s-min=6.8km az=158.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 82, comp=147, per= 50. Moment Tensor Solution. s82,c122; s5,c7; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.15±.02 $M_{\theta\theta}$0.02±.02; $M_{\phi\phi}$1.13±.03; $M_{r\theta}$-0.39±.02; $M_{\theta\phi}$0.70±.02; $M_{\phi r}$0.15±.02; Best double couple: NP1:ϕ_s185.00000°,δ48.00000°,λ-121.00000°. NP2:ϕ_s47.00000°,δ50.00000°,λ-60.00000°. Principal axes: T 1.4700,Plg1.0000°,Azm116.0000°; N -0.1500,Plg22.0000°,Azm206.0000° ; P -1.3200,Plg68.0000°,Azm24.0000° $M_0$1.40000×10^{17}
GUC V 21 22 39 14.5–.54 32.99S 68.94W 3–6 3.6,3.2L
¶14761751
GUC Error ellipse: s-maj=2.2km s-min=6.0km az=-1.0.
ISC V 23 15 28 21.6–.79 33.86S–.05 68.01W–.05 10 31 2-154
ISCJB V 23 15 28 22.3–1.1 33.89S–.08 67.97W–.06 10 3.9b **¶13679475**
GUC V 23 15 28 24.2–.60 33.84S 68.26W 3 3.9,3.5L
IDC V 23 15 28 38.3–1.5 32.67S 67.50W 98–18 3.6b,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=6.4km az=156.1.
GUC Error ellipse: s-maj=3.8km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=43.1km s-min=18.6km az=101.0.
ISC VI 02 03 52 21.6–.44 32.71S–.03 69.11W–.03 29–2 4.8b 289 1-174
MOS VI 02 03 52 21.2–.88 32.75S 68.92W 33 4.9b **¶12872819**
ISCJB VI 02 03 52 21.5–.51 32.77S–.03 68.95W–.04 39–4 5.2s,4.8b
GUC VI 02 03 52 21.6–.58 32.70S 69.13W 19–2 4.6L,4.8b
NEIC VI 02 03 52 21.6–.17 32.71S 69.01W 26 4.9b,4.6L
BJI VI 02 03 52 22.9 32.60S 68.80W 26 5.4s,5.2b
IDC VI 02 03 52 25.0–1.5 32.73S 69.02W 53–12 4.4,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=14.1km s-min=8.1km az=97.9.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=19.1.
GUC Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.4km az=118.0. Felt [IV] at Mendoza. Felt [II] at Maipo, Melipilla and Santiago, Chile. Also felt at Vina del Mar.
IDC Error ellipse: s-maj=15.6km s-min=9.7km az=91.0.
ISC VI 09 07 56 54.1–.57 34.87S–.06 68.03W–.08 10 4.0b 44 3-155
ISCJB VI 09 07 56 52.3–.52 34.84S–.05 67.97W–.09 10 4.0b **¶13681031**
IDC VI 09 07 56 52.4–.67 34.89S 68.14W 0 4.1,4.0
NEIC VI 09 07 56 55.1–2.3 34.83S 68.04W 16–14 4.2,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.7km s-min=6.2km az=150.5.
IDC Error ellipse: s-maj=24.9km s-min=12.1km az=100.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=6.3km az=83.0. Felt [IV] at San Rafael.
GUC VI 26 12 14 59.0–.56 32.54S 69.93W 124–6 3.6L,3.6
¶14989083
GUC Error ellipse: s-maj=2.3km s-min=7.9km az=-1.0.

(140) San Luis Province.

ISC III 12 08 57 13.5–.42 32.77S–.04 66.95W–.06 172–3 4.3b 419 2-172
ISCJB III 12 08 57 12.6–.52 32.71S–.04 66.94W–.05 167–4 4.2b **¶11845836**
NEIC III 12 08 57 14.0–.19 32.76S 66.97W 172 4.5b
GUC III 12 08 57 14.5–1.1 32.53S 67.01W 15 4.9L
IDC III 12 08 57 14.4–.53 32.76S 67.15W 174–4 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.0km az=157.6.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.2km az=76.0.
GUC Error ellipse: s-maj=5.0km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=9.2km az=65.0.

(141) Cordoba Province.

ISC II 17 14 49 34.9–.31 30.50S–.05 65.39W–.05 177–2 4.9b 272 3-172
ISCJB II 17 14 49 32.7–.56 30.48S–.04 65.31W–.05 171–5 4.8b **¶11678719**
NEIC II 17 14 49 35.0–.20 30.45S 65.28W 180 4.9b
IDC II 17 14 49 34.9–.35 30.53S 65.41W 179–3 4.5,4.5
BJI II 17 14 49 39.3 30.40S 65.20W 179 4.9b,4.5
INMG II 17 14 50 03.4 30.32S 64.87W 426 4.9b,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=6.4km az=42.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=5.9km az=89.0. Felt at Villa Carlos Paz.
IDC Error ellipse: s-maj=11.1km s-min=8.0km az=143.0.
ISC III 15 13 50 38.4–.23 31.01S–.04 65.44W–.04 180–1 5.0b 1191 2-176
MOS III 15 13 50 35.8–1.0 30.90S 65.48W 160 5.0b **¶11883156**
ISCJB III 15 13 50 36.0–.47 30.94S–.03 65.39W–.04 165–4 5.0b
LDG III 15 13 50 36.2–.72 30.71S 66.20W 178 4.9b,3.6s
BJI III 15 13 50 37.7 30.99S 66.08W 181 5.4b,3.6s
GUC III 15 13 50 38.1–.66 31.12S 65.56W 179 7.3L,3.6s
IDC III 15 13 50 38.6–.27 30.98S 65.46W 180–2 4.7,4.7
NEIC III 15 13 50 38.5–.11 30.99S 65.40W 179 5.1b,4.7
GCMT III 15 13 50 41.8–.20 31.22S 65.51W 199–1 5.2W,4.7
DJA III 15 13 51 09.9–9.4 32S–44 65W–31 447–86 5.4b,5.1
ISC Event type fe.
ISCJB Event type fe.
LDG Event type ke.
NEIC Event type fe. Felt [III] at San Juan. Also felt at Cordoba and Mendoza.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s48,c63; s88,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.93±.15 $M_{\theta\theta}$2.89±.20; $M_{\phi\phi}$3.04±.23; $M_{r\theta}$2.06±.15; $M_{\theta\phi}$-3.83±.20; $M_{\phi r}$-0.18±.18; Best double couple: NP1:ϕ_s149.00000°,δ40.00000°,λ-69.00000°. NP2:ϕ_s303.00000°,δ53.00000°,λ-107.00000°. Principal axes: T 6.9900,Plg7.0000° ,Azm44.0000°; N -0.5500,Plg13.0000°,Azm313.0000°; P -6.4400,Plg75.0000° ,Azm162.0000° $M_0$6.70000×10^{16}

SEISMIC REGION 9.
Extreme South America.

(143) Off coast of southern Chile.

ISC II 28 00 50 12.3–.50 45.12S–.09 80.74W–.08 35 4.5b,4.3s 61 9-168
IDC II 28 00 50 07.2–.61 45.20S 80.74W 0 5.0L,4.5 **¶11938316**
NEIC II 28 00 50 08.6–.43 45.11S 80.70W 10 4.8b,4.5
ISCJB II 28 00 50 11.1–.47 45.09S–.07 80.67W–.10 33 4.5b,4.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC III 12 11 03 14.8–.50 44.97S–.09 77.9W–.10 35 4.3b,4.2s 50 7-176
IDC III 12 11 03 09.2–.62 45.04S 78.00W 0 4.3,4.2s **¶12085978**
NEIC III 12 11 03 10.6–.39 45.02S 78.06W 10 4.8b,4.2s
GCMT III 12 11 03 12.7–.30 45.27S 78.35W 17–1 5.0W,4.2s
ISCJB III 12 11 03 13.4–.55 44.97S–.08 77.8W–.10 33 4.2b,4.2s
ISC Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s30,c36; s77,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.72±.21 $M_{\theta\theta}$0.44±.12; $M_{\phi\phi}$3.28±.15; $M_{r\theta}$-1.44±.38; $M_{\theta\phi}$-0.35±.09; $M_{\phi r}$-0.76±.33; Best double couple: NP1:ϕ_s157.00000°,δ43.00000° ,λ-117.00000°. NP2:ϕ_s12.00000°,δ53.00000°,λ-67.00000°. Principal axes: T 3.3800,Plg5.0000°,Azm86.0000°; N 0.8800,Plg18.0000°,Azm177.0000° ; P -4.2600,Plg71.0000°,Azm340.0000° $M_0$3.80000×10^{16}
ISCJB Event type se.
ISC IV 13 21 17 23.6–.69 52.78S–.09 79.73W–.10 35 4.1b 38 7-167
IDC IV 13 21 17 18.4–.84 52.80S 79.83W 0 4.0,3.9 **¶12935159**
NEIC IV 13 21 17 19.5–.47 52.86S 79.78W 10 4.0b,3.9
ISCJB IV 13 21 17 22.8–.77 52.75S–.07 79.5W–.10 33 3.9b,3.5s
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC IV 28 15 29 32.1–.29 48.25S–.06 76.01W–.07 35 4.9b,4.5s 331 4-178
IDC IV 28 15 29 26.7–.49 48.28S 75.94W 0 4.7,4.7 **¶13439162**

GCMT IV 28 15 29 30.8–.30 48.48S 76.28W 18–1 5.1W,4.7
ISCJB IV 28 15 29 31.2–.26 48.21S–.05 75.77W–.08 33 4.8b,4.5s
MOS IV 28 15 29 31.5–1.1 48.21S 75.72W 33 5.3b,4.5s
BJI IV 28 15 29 31.4 48.30S 76.00W 39 5.3s,5.2b
NEIC IV 28 15 29 32.7–1.4 48.29S 75.96W 41–11 5.2b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=13.4km az=97.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s27,c40; s60,c77; Moment tensor: Scale 10^{16}Nm; M_{rr}3.19±.21 $M_{\theta\theta}$1.25±.12; $M_{\phi\phi}$-4.43±.16; $M_{r\theta}$0.02±.32; $M_{\theta\phi}$-0.26±.11; $M_{\phi r}$-4.55±.51; Best double couple: NP1:ϕ_s7.00000°,δ20.00000°,λ97.00000°. NP2:ϕ_s180.00000°,δ70.00000°,λ88.00000°. Principal axes: T 5.3200,Plg65.0000° ,Azm86.0000°; N 1.2500,Plg2.0000°,Azm181.0000°; P -6.5600,Plg25.0000°,Azm272.0000° M_o5.90000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=7.1km az=42.1.
MOS Error ellipse: s-maj=22.1km s-min=12.2km az=88.4.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.5km az=77.0.
ISC V 18 17 26 33.3–.96 44.90S–.10 80.7W–.10 35 4.3b,4.2s 26 9-154
IDC V 18 17 26 28.3–1.3 44.86S 80.71W 0 4.4,4.3b **¶13439692**
NEIC V 18 17 26 29.5–.77 44.89S 80.76W 10 4.4b,4.3b
ISCJB V 18 17 26 31.4–.80 44.93S–.09 80.6W–.10 33 4.2b,4.2s
GCMT V 18 17 26 32.3–.20 44.94S 81.07W 24–1 5.1W,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=45.8km s-min=17.0km az=117.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=9.4km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=8.5km az=36.6.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s45,c64; s72,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.21 $M_{\theta\theta}$1.31±.19; $M_{\phi\phi}$-1.03±.16; $M_{r\theta}$0.63±.25; $M_{\theta\phi}$-5.06±.15; $M_{\phi r}$-0.83±.25; Best double couple: NP1:ϕ_s83.00000°,δ81.00000°,λ175.00000°. NP2:ϕ_s174.00000°,δ85.00000°,λ9.00000°. Principal axes: T 5.5100,Plg10.0000° ,Azm39.0000°; N -0.4400,Plg80.0000°,Azm201.0000°; P -5.0700,Plg3.0000°,Azm308.0000° M_o5.30000×10^{16}
ISC V 28 03 58 37.9–.48 42.75S–.08 75.45W–.08 23 4.6b,3.7s 81 4-164
IDC V 28 03 58 33.9–.56 42.88S 75.71W 0 4.6,4.5L **¶13232190**
ISCJB V 28 03 58 36.1–.44 42.83S–.07 75.6W–.10 23 4.5b,3.8s
NEIC V 28 03 58 39.2–.30 42.84S 75.61W 35 4.6b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=14.8km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=10.6km az=2.1.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=8.0km az=93.0.
ISC VI 17 07 04 52.6–.74 45.65S–.07 77.2W–.20 10 4.5b,4.5s 51 6-82
ISCJB VI 17 07 04 51.1–.58 45.63S–.05 77.0W–.20 10 4.5s,4.3b **¶13681521**
IDC VI 17 07 04 51.5–.92 45.71S 77.18W 0 4.5s,4.5
NEIC VI 17 07 04 52.7–.58 45.62S 77.15W 10 4.6b,4.5
GCMT VI 17 07 04 53.8–.20 45.83S 77.61W 25–1 5.2W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=7.1km az=12.2.
IDC Error ellipse: s-maj=35.7km s-min=13.7km az=101.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=7.1km az=102.0.
GCMT Event type se. Data Used: II G IU IC. Moment Tensor Solution. s33,c40; s90,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.81±.28 $M_{\theta\theta}$3.51±.24; $M_{\phi\phi}$-2.70±.23; $M_{r\theta}$-2.87±.54; $M_{\theta\phi}$-7.19±.19; $M_{\phi r}$-2.20±.52; Best double couple: NP1:ϕ_s346.00000°,δ68.00000°,λ-11.00000°. NP2:ϕ_s80.00000°,δ80.00000°,λ-158.00000°. Principal axes: T 8.4000,Plg8.0000° ,Azm212.0000°; N 0.4800,Plg65.0000°,Azm104.0000°; P -8.8900,Plg23.0000° ,Azm305.0000° M_o8.60000×10^{16}
ISC VI 29 03 07 32.2–.29 45.53S–.05 76.69W–.07 17 5.0b,5.0s 202 7-177
IDC VI 29 03 07 28.9–.49 45.60S 76.65W 0 4.9,4.9s **¶13307294**
NEIC VI 29 03 07 30.9–.26 45.63S 76.50W 10 5.2b,4.9s
ISCJB VI 29 03 07 30.8–.28 45.64S–.05 76.5W–.10 17 5.0b,5.0s
BJI VI 29 03 07 31.3 45.60S 76.60W 10 5.3s,5.1b
GCMT VI 29 03 07 31.6–.20 45.64S 77.15W 17–0 5.3W,5.1b
MOS VI 29 03 07 33.6–1.4 45.54S 76.55W 33 5.4b,5.1b
ISC Event type fe.
IDC Error ellipse: s-maj=22.4km s-min=11.9km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=7.2km az=80.0. Felt at Coihaique.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=6.6km az=167.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s62,c93; s88,c161; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s79.00000°,δ67.00000°,λ-171.00000°. NP2:ϕ_s346.00000° ,δ81.00000°,λ-23.00000°. Principal axes: T 1.2600,Plg10.0000°,Azm34.0000° ; N -0.2000,Plg65.0000°,Azm147.0000°; P -1.0700,Plg22.0000°,Azm300.0000° M_o1.20000×10^{17}
MOS Error ellipse: s-maj=18.9km s-min=10.5km az=87.2.

(144) Southern Chile.

ISC I 20 03 45 34.6–.85 42.10S–.03 72.40W–.04 12–5 4.4b,4.0s 75 0-161
IDC I 20 03 45 32.5–.68 42.26S 72.36W 0 5.1L,4.4 **¶12081826**
ISCJB I 20 03 45 34.3–.52 42.12S–.03 72.38W–.10 18–4 4.3b,3.9s
GUC I 20 03 45 35.4–.49 42.10S 72.47W 8–1 4.2L,3.9s
NEIC I 20 03 45 35.8–1.9 42.09S 72.45W 19–10 4.8b,4.5
ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=14.4km az=132.0.
ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=5.3km az=177.7.
GUC Error ellipse: s-maj=0.9km s-min=2.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=10.7km az=212.0. Felt [III] at Hualaihue and Quemchi. Felt [IV] at El Bolson and Lago Puelo, Argentina.
GUC I 20 09 25 06.2–.63 42.66S 72.81W 2–8 3.1L
IDC I 20 09 25 06.2–3.2 42.89S 72.46W 0 4.2L,4.2 **¶12081856**
GUC Error ellipse: s-maj=13.1km s-min=15.3km az=-1.0.
IDC Error ellipse: s-maj=81.3km s-min=22.6km az=136.0.
ISC I 25 07 32 18.3–1.4 42.8S–.10 72.7W–.10 10 4.1b 10 0-91
ISCJB I 25 07 32 17.9–.92 42.77S–.08 72.7W–.10 10 3.9b **¶12082293**
GUC I 25 07 32 17.0–.51 42.85S 72.61W 8–18 3.2L
IDC I 25 07 32 18.1–1.3 42.74S 72.70W 0 4.3,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=5.1km az=39.2.
GUC Error ellipse: s-maj=7.2km s-min=11.5km az=-1.0.
IDC Error ellipse: s-maj=40.0km s-min=16.7km az=126.0.
GUC I 26 15 51 47.0–.49 42.87S 72.58W 26–17 3.2L
IDC I 26 15 51 47.3–1.4 42.92S 72.45W 0 4.2,3.9L **¶12082383**
GUC Error ellipse: s-maj=5.8km s-min=9.5km az=-1.0.
IDC Error ellipse: s-maj=48.4km s-min=21.4km az=132.0.
ISC I 28 13 35 11.2–.83 42.74S–.08 72.74W–.10 10 3.9b 16 0-175
GUC I 28 13 35 09.1–.36 42.84S 72.61W 22–3 3.1L **¶12082572**
ISCJB I 28 13 35 10.4–.89 42.76S–.07 72.7W–.10 10 3.8b
IDC I 28 13 35 10.3–1.1 42.80S 72.52W 0 4.3,4.0b
ISC Event type ke.
GUC Error ellipse: s-maj=4.0km s-min=7.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=4.7km az=37.0.
IDC Error ellipse: s-maj=35.8km s-min=16.3km az=121.0.
ISC I 29 16 43 31.1–.93 42.80S–.09 72.7W–.10 10 13 0-162
GUC I 29 16 43 28.7–.52 42.90S 72.52W 19–4 3.5L **¶12082680**
ISCJB I 29 16 43 29.7–1.1 42.86S–.07 72.6W–.10 10 3.8b
IDC I 29 16 43 30.4–1.3 42.92S 72.33W 0 4.2L,4.1
ISC Event type ke.
GUC Error ellipse: s-maj=4.3km s-min=7.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=5.7km az=38.8.
IDC Error ellipse: s-maj=64.3km s-min=18.6km az=121.0.
IDC I 31 11 06 56.1–.93 42.93S 72.26W 0 4.1,4.1
¶12082812
IDC Error ellipse: s-maj=35.1km s-min=16.1km az=117.0.
ISC II 01 03 19 40.3–.95 42.7S–.10 72.9W–.20 10 3.8b 10 0-146
ISCJB II 01 03 19 38.8–.80 42.78S–.07 72.7W–.10 10 3.7b **¶12699304**
GUC II 01 03 19 38.2–.66 42.82S 72.66W 3–24 3.3L
IDC II 01 03 19 39.0–1.1 42.76S 72.56W 0 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=6.0km az=39.5.
GUC Error ellipse: s-maj=9.0km s-min=21.6km az=-1.0.
IDC Error ellipse: s-maj=34.5km s-min=16.2km az=122.0.
IDC II 02 08 16 21.1–.92 42.82S 72.44W 0 4.3,4.1b
¶15954885
IDC Error ellipse: s-maj=50.6km s-min=16.8km az=117.0.

ISC II 03 09 20 25.9–1.3 42.77S–.09 72.7W–.10 10 3.9b 10 1-91
GUC II 03 09 20 24.3–.26 42.86S 72.62W 15 3.4L **¶12699457**
ISCJB II 03 09 20 25.3–.94 42.82S–.06 72.7W–.10 10 3.7b
IDC II 03 09 20 25.9–1.4 42.70S 72.64W 0 4.2,4.0
ISC Event type ke.
GUC Error ellipse: s-maj=3.9km s-min=6.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=5.8km az=33.3.
IDC Error ellipse: s-maj=39.6km s-min=18.1km az=124.0.
ISC II 03 17 22 13.2–1.3 42.85S–.09 72.6W–.10 10 3.8b 10 0-79
GUC II 03 17 22 12.7–.52 42.92S 72.54W 9–8 3.3L **¶12699482**
ISCJB II 03 17 22 13.2–1.1 42.88S–.06 72.6W–.10 10 3.9b
IDC II 03 17 22 13.8–1.7 42.93S 72.33W 0 4.2,4.1b
ISC Event type ke.
GUC Error ellipse: s-maj=4.2km s-min=7.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=5.5km az=37.0.
IDC Error ellipse: s-maj=45.5km s-min=23.3km az=125.0.
IDC II 04 02 07 40.9–1.0 42.79S 72.64W 0 4.2,4.1L
¶15954999
IDC Error ellipse: s-maj=40.2km s-min=17.8km az=122.0.
ISC II 04 11 20 43.2–1.4 42.89S–.08 72.52W–.08 10 3.9b 11 1-146
GUC II 04 11 20 42.8–.33 42.94S 72.49W 12–7 3.2L **¶12699531**
ISCJB II 04 11 20 44.5–.91 42.86S–.06 72.6W–.10 10 3.8b
IDC II 04 11 20 44.8–1.2 42.89S 72.41W 0 4.1,4.0
ISC Event type ke.
GUC Error ellipse: s-maj=3.0km s-min=5.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=5.1km az=33.7.
IDC Error ellipse: s-maj=42.4km s-min=16.4km az=119.0.
ISC II 06 04 27 18.2–1.2 42.74S–.09 72.4W–.20 10 3.7b 12 0-175
GUC II 06 04 27 15.4–.59 42.89S 72.49W 8–2 3.2L **¶12699642**
ISCJB II 06 04 27 16.3–1.2 42.87S–.07 72.6W–.30 10 3.6b
IDC II 06 04 27 16.8–1.1 42.92S 72.33W 0 4.0,3.9
ISC Event type ke.
GUC Error ellipse: s-maj=3.6km s-min=5.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=28.6km s-min=9.3km az=7.5.
IDC Error ellipse: s-maj=47.7km s-min=19.7km az=123.0.
ISC II 06 12 34 09.1–2.0 42.8S–.10 72.3W–.20 10 8 0-162
GUC II 06 12 34 07.0–.27 42.87S 72.63W 20–2 3.3L **¶12699670**
IDC II 06 12 34 07.9–1.9 42.96S 72.41W 0 4.2,4.0L
ISC Event type ke.
GUC Error ellipse: s-maj=2.7km s-min=8.0km az=-1.0.
IDC Error ellipse: s-maj=52.9km s-min=22.6km az=131.0.
GUC II 08 04 36 51.6–.38 42.87S 72.61W 19–3 3.5L
¶14323449
GUC Error ellipse: s-maj=3.2km s-min=7.9km az=-1.0.
IDC II 08 13 42 48.5–1.1 42.84S 72.44W 0 4.3,4.0
¶15955218
IDC Error ellipse: s-maj=47.1km s-min=19.1km az=125.0.
IDC II 09 00 03 59.7–1.7 42.87S 72.39W 0 4.2,3.8
¶15955280
IDC Error ellipse: s-maj=51.3km s-min=20.5km az=127.0.
ISC II 09 08 15 09.8–1.4 42.75S–.08 72.6W–.10 10 4.0b 12 0-162
GUC II 09 08 15 07.6–.51 42.87S 72.60W 17–6 3.3L **¶12699831**
ISCJB II 09 08 15 08.6–.96 42.81S–.06 72.4W–.20 10 3.9b
IDC II 09 08 15 09.0–1.1 42.74S 72.63W 0 4.2,4.0
ISC Event type ke.
GUC Error ellipse: s-maj=4.3km s-min=12.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=7.4km az=169.9.
IDC Error ellipse: s-maj=33.9km s-min=15.8km az=121.0.
ISC II 09 10 59 42.7–1.7 42.7S–.10 72.3W–.20 10 3.8b 10 0-175
GUC II 09 10 59 40.5–.51 42.87S 72.56W 2–21 3.3L **¶12699836**
IDC II 09 10 59 41.5–1.0 42.78S 72.58W 0 4.2,4.0
ISC Event type ke.
GUC Error ellipse: s-maj=17.9km s-min=32.1km az=-1.0.
IDC Error ellipse: s-maj=42.2km s-min=17.2km az=119.0.
IDC II 13 17 39 36.3–1.2 42.91S 72.44W 0 4.2L,4.1
¶15955972
IDC Error ellipse: s-maj=39.6km s-min=18.8km az=125.0.
IDC II 13 23 22 11.1–3.1 42.72S 72.62W 0 4.1L,4.0
¶15956013
IDC Error ellipse: s-maj=84.8km s-min=20.3km az=142.0.
IDC II 14 02 52 38.8–1.3 42.79S 72.49W 0 4.1,3.9
¶15956028
IDC Error ellipse: s-maj=40.4km s-min=16.8km az=122.0.
ISC II 14 11 34 03.0–1.0 42.62S–.10 72.6W–.20 35 4.1b 11 0-146
GUC II 14 11 33 56.4–.38 42.85S 72.76W 12–7 3.3L **¶12700649**
IDC II 14 11 33 57.9–1.1 42.81S 72.47W 0 4.1,4.0
ISCJB II 14 11 34 01.3–.95 42.69S–.06 72.5W–.20 33 4.0b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC II 15 02 18 20.9–1.8 42.97S 72.45W 0 4.0L,3.9
¶15956117
IDC Error ellipse: s-maj=51.4km s-min=20.3km az=134.0.
IDC II 15 10 40 39.0–1.4 42.62S 72.76W 0 4.1,4.0
¶15956152
IDC Error ellipse: s-maj=33.5km s-min=17.7km az=136.0.
ISC II 16 05 02 03.7–.89 42.79S–.07 72.60W–.08 10 3.8b 13 0-162
GUC II 16 05 02 02.8–.56 42.87S 72.57W 20–5 3.3L **¶12700867**
ISCJB II 16 05 02 04.1–.67 42.80S–.06 72.7W–.10 10 4.0b
IDC II 16 05 02 04.3–.97 42.79S 72.50W 0 4.1,3.9
ISC Event type ke.
GUC Error ellipse: s-maj=5.2km s-min=9.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=5.1km az=34.0.
IDC Error ellipse: s-maj=31.5km s-min=14.2km az=113.0.
ISC II 17 10 04 05.2–1.0 42.77S–.07 72.3W–.10 10 3.9b 15 0-175
GUC II 17 10 04 03.5–.47 42.83S 72.67W 9–31 3.2L **¶12700994**
IDC II 17 10 04 04.0–1.0 42.85S 72.50W 0 4.3L,4.1
ISC Event type ke.
GUC Error ellipse: s-maj=5.3km s-min=14.2km az=-1.0.
IDC Error ellipse: s-maj=40.8km s-min=15.9km az=122.0.
IDC II 17 16 41 25.9–.99 42.80S 72.53W 0 4.0,3.9L
¶15956427
IDC Error ellipse: s-maj=48.2km s-min=15.0km az=117.0.
ISC II 18 08 20 47.9–1.9 42.7S–.10 72.3W–.10 10 11 0-162
GUC II 18 08 20 44.7–.35 42.89S 72.63W 23–2 3.5L **¶12701116**
IDC II 18 08 20 47.0–1.4 42.89S 72.41W 0 4.0,3.9L
ISC Event type ke.
GUC Error ellipse: s-maj=4.9km s-min=11.8km az=-1.0.
IDC Error ellipse: s-maj=53.2km s-min=19.6km az=129.0.
IDC II 18 10 51 06.5–2.2 42.80S 72.58W 0 4.2,3.7
¶15956553
IDC Error ellipse: s-maj=64.6km s-min=20.7km az=135.0.
IDC II 19 00 17 32.3–1.2 43.03S 72.26W 0 4.0L,3.9
¶15956674
IDC Error ellipse: s-maj=42.3km s-min=18.8km az=122.0.
GUC II 22 09 30 15.3–.75 42.87S 72.69W 12–9 3.5L
¶14323609
GUC Error ellipse: s-maj=3.5km s-min=9.5km az=-1.0.
ISC II 24 00 10 56.5–1.3 42.77S–.06 72.4W–.10 10 10 0-162
IDC II 24 00 10 54.9–2.2 42.89S 72.58W 0 4.3L,4.1 **¶12701685**
GUC II 24 00 10 54.7–.38 42.81S 72.64W 0–3 3.2L,4.1
ISCJB II 24 00 10 55.1–1.5 42.81S–.05 72.7W–.10 10 3.4b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC II 24 08 08 12.0–1.6 42.5S–.10 72.84W–.09 10 3.6b 9 0-91
GUC II 24 08 08 08.2–.28 42.86S 72.60W 14–5 3.2L **¶12701721**
IDC II 24 08 08 14.9–6.2 41.79S 73.24W 0 4.0,3.8L
ISC Event type ke.
GUC Error ellipse: s-maj=2.6km s-min=8.4km az=-1.0.
IDC Error ellipse: s-maj=156.8km s-min=34.2km az=169.0.
ISC II 25 01 30 43.0–1.4 42.87S–.07 72.5W–.10 10 3.7b 13 0-162
IDC II 25 01 30 42.5–2.0 43.07S 72.35W 0 4.1,4.0L **¶12701792**

ISCJB II 25 01 30 43.7–1.1 42.84S–.05 72.6W–.10 10 3.7b,4.0L
GUC II 25 01 30 43.1–.36 42.85S 72.68W 16–3 3.4L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=62.7km s-min=34.6km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=5.6km az=162.1.
GUC Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0.
GUC II 25 05 27 41.5–.51 42.82S 72.63W 13–8 3.2L
IDC II 25 05 27 40.9–2.0 42.95S 72.47W 0 4.1,3.9L ¶12701811
GUC Error ellipse: s-maj=1.7km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=54.8km s-min=23.0km az=132.0.
ISC II 26 07 34 43.3–1.3 42.67S–.10 72.5W–.20 10 3.8b 11 0-155
IDC II 26 07 34 38.9–1.2 43.08S 72.20W 0 4.0,4.0L ¶12701904
GUC II 26 07 34 39.1–.65 42.83S 72.66W 4–46 3.2L,4.0L
ISCJB II 26 07 34 40.4–.92 42.74S–.07 72.2W–.10 10 3.8b,4.0L
ISC Event type ke.
ISCJB Event type ke.
ISC II 27 08 06 42.6–1.2 42.85S–.06 72.5W–.10 10 13 0-162
IDC II 27 08 06 41.6–1.7 42.98S 72.40W 0 4.0,4.0L ¶12701982
GUC II 27 08 06 41.1–.40 42.84S 72.63W 1–4 3.3L,4.0L
ISCJB II 27 08 06 42.2–1.2 42.82S–.05 72.6W–.10 10 3.5b,4.0L
ISC Event type ke.
ISCJB Event type ke.
ISC II 27 11 36 44.0–1.4 42.77S–.07 72.5W–.10 10 11 0-91
GUC II 27 11 36 41.1–.31 42.85S 72.71W 20–3 3.3L ¶12701998
ISCJB II 27 11 36 42.2–1.2 42.82S–.05 72.6W–.10 10 3.7b
IDC II 27 11 36 42.8–2.5 42.79S 72.63W 0 4.2L,4.1
ISC Event type ke.
GUC Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=6.0km az=160.7.
IDC Error ellipse: s-maj=58.4km s-min=20.1km az=142.0.
ISC II 28 18 42 15.0–1.1 42.72S–.08 72.3W–.20 35 4.0b 10 0-162
GUC II 28 18 42 08.6–.52 42.86S 72.70W 18–5 3.4L ¶12702132
IDC II 28 18 42 09.9–1.1 42.75S 72.68W 0 4.1L,4.0
ISCJB II 28 18 42 12.3–.90 42.70S–.09 72.3W–.20 33 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC III 03 11 29 55.1–1.1 42.82S 72.63W 0 4.0L,4.0
¶12702344
IDC Error ellipse: s-maj=34.1km s-min=16.3km az=116.0.
ISC III 04 07 53 02.1–.96 42.88S–.04 72.4W–.20 10 4.2b 10 1-92
GUC III 04 07 53 01.5–.40 42.90S 72.49W 2–49 3.6L ¶12702406
ISCJB III 04 07 53 03.6–.81 42.85S–.04 72.6W–.20 10 3.8b
IDC III 04 07 53 03.4–1.3 42.71S 72.74W 0 4.2,4.0L
ISC Event type ke.
GUC Error ellipse: s-maj=36.2km s-min=54.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=6.2km az=4.3.
IDC Error ellipse: s-maj=38.5km s-min=18.0km az=123.0.
IDC III 04 12 36 02.0–3.0 42.86S 72.52W 0 4.2,4.1L
¶12702423
IDC Error ellipse: s-maj=102.5km s-min=21.2km az=133.0.
ISC III 05 04 23 47.6–1.3 42.80S–.08 72.2W–.10 10 9 0-162
IDC III 05 04 23 46.6–1.9 42.97S 72.27W 0 4.0L,4.0 ¶12702470
ISCJB III 05 04 23 48.7–.75 42.65S–.05 72.1W–.20 10 3.4b,4.0
ISC Event type ke.
ISCJB Event type ke.
GUC III 05 08 35 04.6 43.00S 72.83W 25 3.7L
¶14693241
ISC III 07 03 24 41.2–1.3 43.0S–.20 72.2W–.20 10 4.1b 24 3-175
IDC III 07 03 24 40.5–1.3 42.92S 72.46W 0 4.1,4.0L ¶12702608
NEIC III 07 03 24 46.3–5.4 42.82S 72.39W 36–35 4.3b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=18.9km az=129.0.
NEIC Event type se. Error ellipse: s-maj=50.0km s-min=25.2km az=205.0.
ISC III 08 02 51 01.5–1.5 42.82S–.04 72.50W–.08 8–9 4.3b 54 0-175
NEIC III 08 02 50 59.7 42.84S 72.60W 0 4.5b ¶12702677
GUC III 08 02 50 59.7–.46 42.84S 72.60W 0–3 3.4L
IDC III 08 02 50 59.1–1.0 43.17S 72.18W 0 4.2L,4.1
ISCJB III 08 02 51 01.0–1.3 42.82S–.04 72.5W–.10 8–8 4.2b,4.1
ISC Event type se.
NEIC Event type se. After GUC.
ISCJB Event type se.
IDC III 13 12 04 35.5–3.8 43.03S 72.42W 0 4.3,3.9b
¶12703164
IDC Error ellipse: s-maj=96.2km s-min=37.1km az=141.0.
IDC III 14 22 54 13.6–1.2 42.71S 72.71W 0 4.1L,4.1
¶12703300
IDC Error ellipse: s-maj=39.8km s-min=16.1km az=126.0.
GUC III 17 04 05 15.4–.57 42.07S 72.45W 11–6 3.8L
NEIC III 17 04 05 15.4 42.07S 72.45W 11 3.8L ¶14269701
GUC Error ellipse: s-maj=1.1km s-min=3.5km az=-1.0.
NEIC Event type fe. Felt [IV] at Hornopiren. After GUC.
IDC IV 20 18 57 54.5–1.7 45.72S 72.30W 0 4.2,4.0
¶16153166
IDC Error ellipse: s-maj=49.0km s-min=46.7km az=112.0.
ISC IV 23 07 05 11.7–.69 48.25S–.07 75.5W–.20 10 4.2b,4.0s 40 8-151
ISCJB IV 23 07 05 08.8–.68 48.28S–.06 75.6W–.20 10 4.2b,3.8s ¶12842944
IDC IV 23 07 05 08.4–.70 48.30S 75.72W 0 4.1,4.0
NEIC IV 23 07 05 13.6–.39 48.31S 75.62W 35 4.7b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=8.4km az=178.9.
IDC Error ellipse: s-maj=32.0km s-min=14.7km az=97.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.0km az=95.0.
ISC IV 23 20 48 30.3–.44 48.23S–.07 75.7W–.10 35 4.5b,4.1s 79 8-179
IDC IV 23 20 48 24.7–.52 48.23S 75.82W 0 4.5,4.5 ¶12842939
ISCJB IV 23 20 48 28.7–.59 48.20S–.06 75.8W–.20 33 4.4b,4.0s
NEIC IV 23 20 48 30.4–1.4 48.27S 75.83W 39–11 4.7b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=13.7km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=8.4km az=1.4.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=6.8km az=88.0.
IDC IV 27 09 43 03.6–.95 48.29S 75.74W 0 4.1,4.1b
¶16154553
IDC Error ellipse: s-maj=35.1km s-min=15.6km az=97.0.
IDC V 07 06 09 12.2–3.6 43.07S 72.70W 0 4.2,4.1L
¶16155474
IDC Error ellipse: s-maj=86.1km s-min=36.8km az=146.0.
IDC V 09 04 54 50.5–1.1 42.80S 72.16W 0 4.0,3.8
¶16155536
IDC Error ellipse: s-maj=49.5km s-min=26.1km az=103.0.
IDC V 11 01 48 42.4–1.5 42.92S 72.48W 0 3.9L,3.8
¶16155616
IDC Error ellipse: s-maj=47.4km s-min=20.4km az=125.0.
IDC V 12 13 32 25.7–1.0 42.72S 72.67W 0 4.2,4.1
¶16155676
IDC Error ellipse: s-maj=38.7km s-min=14.4km az=114.0.
IDC V 17 22 57 36.1–1.9 43.06S 72.21W 0 3.8,3.6
¶16155857
IDC Error ellipse: s-maj=56.8km s-min=22.0km az=121.0.
IDC V 18 21 23 08.2–.98 42.78S 72.53W 0 4.1,3.9L
¶16155886
IDC Error ellipse: s-maj=32.8km s-min=14.7km az=110.0.
ISC V 20 06 36 41.9–.98 42.65S–.05 72.06W–.08 10 11 0-77
GUC V 20 06 36 39.0–.38 42.83S 72.58W 1–5 3.3L ¶13679291
ISCJB V 20 06 36 41.4–.95 42.74S–.07 72.3W–.20 10 3.3b,3.2s
IDC V 20 06 36 41.1–2.8 42.90S 72.23W 0 3.8,3.7
ISC Event type ke.
GUC Error ellipse: s-maj=2.1km s-min=6.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=4.5km az=152.9.
IDC Error ellipse: s-maj=63.7km s-min=22.8km az=134.0.
IDC V 24 06 33 35.2–.88 42.76S 72.52W 0 4.2,4.1L
¶16156087
IDC Error ellipse: s-maj=33.7km s-min=14.0km az=115.0.
ISC V 24 12 52 12.5–.70 42.8S–.10 72.3W–.20 10 4.3b 27 2-175
IDC V 24 12 52 10.9–.82 42.80S 72.46W 0 4.1,3.9 ¶13679545
ISCJB V 24 12 52 11.1–.69 42.8S–.10 72.3W–.20 10 4.2b,3.8s
NEIC V 24 12 52 12.4–.51 42.82S 72.41W 10 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=13.9km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=7.6km az=30.9.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=11.3km az=112.0.
IDC V 25 04 59 35.5–.88 42.86S 72.39W 0 4.1,4.0
¶16156134
IDC Error ellipse: s-maj=33.0km s-min=14.6km az=112.0.
ISC V 25 23 17 19.2–.67 42.82S–.09 72.4W–.10 10 4.2b 26 3-122
ISCJB V 25 23 17 17.5–.59 42.80S–.07 72.3W–.10 10 4.2b,3.5s ¶12871331
IDC V 25 23 17 17.9–.90 42.80S 72.58W 0 4.3,4.1L
NEIC V 25 23 17 19.1–.47 42.80S 72.49W 10 4.4b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=6.7km az=36.1.
IDC Error ellipse: s-maj=36.6km s-min=14.3km az=118.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.4km az=105.0.
ISC V 26 16 45 16.6–.69 42.78S–.10 72.7W–.10 10 4.0b,3.9s 29 3-162
ISCJB V 26 16 45 15.2–.70 42.83S–.09 72.7W–.20 10 4.0b,3.7s ¶12884529
IDC V 26 16 45 15.2–.86 42.80S 72.60W 0 4.2,4.1
NEIC V 26 16 45 16.4–.57 42.85S 72.75W 10 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=11.4km az=22.3.
IDC Error ellipse: s-maj=36.1km s-min=13.7km az=119.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=10.8km az=115.0.
IDC V 26 20 16 26.8–1.2 42.87S 72.38W 0 3.9,3.9
¶16156191
IDC Error ellipse: s-maj=47.8km s-min=15.6km az=119.0.
IDC V 27 13 01 31.8–4.0 42.77S 72.15W 35–30 4.0,3.8
¶16156223
IDC Error ellipse: s-maj=40.7km s-min=18.3km az=94.0.
IDC V 27 20 16 21.0–4.2 42.78S 72.28W 20–25 4.0,3.9L
¶16156236
IDC Error ellipse: s-maj=36.1km s-min=16.8km az=99.0.
IDC V 28 16 53 59.6–2.0 42.63S 72.89W 0 3.9b,3.8
¶16156279
IDC Error ellipse: s-maj=54.1km s-min=15.6km az=120.0.
IDC V 29 00 18 07.5–1.4 42.72S 72.73W 0 4.2,3.9
¶16156292
IDC Error ellipse: s-maj=39.5km s-min=16.8km az=127.0.
ISC V 29 07 15 34.1–.75 42.8S–.10 72.2W–.20 10 3.9b 25 2-162
ISCJB V 29 07 15 32.4–.74 42.80S–.09 72.1W–.20 10 3.8b ¶13679876
IDC V 29 07 15 32.4–.94 42.83S 72.37W 0 4.1,3.9
NEIC V 29 07 15 34.0–.53 42.83S 72.24W 10 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=7.4km az=23.9.
IDC Error ellipse: s-maj=39.1km s-min=13.6km az=113.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=11.5km az=102.0.
IDC V 29 13 57 01.2–.82 42.82S 72.49W 0 4.2,4.1L
¶16156314
IDC Error ellipse: s-maj=32.2km s-min=13.1km az=111.0.
ISC V 30 11 04 14.5–1.5 42.80S–.04 72.45W–.08 3–10 4.0b 21 1-146
IDC V 30 11 04 14.1–.99 42.79S 72.43W 0 4.1,4.0 ¶13679971
GUC V 30 11 04 14.9–.61 42.83S 72.54W 8–7 3.4L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=17.9km az=98.0.
GUC Error ellipse: s-maj=1.2km s-min=4.0km az=-1.0.
ISC V 31 06 16 59.1–.66 42.87S–.08 72.4W–.10 10 3.8b,3.8s 31 3-162
ISCJB V 31 06 16 57.6–.68 42.83S–.08 72.2W–.20 10 3.8b,3.6s ¶13680019
IDC V 31 06 16 57.8–.82 42.92S 72.30W 0 4.2L,4.1
NEIC V 31 06 16 59.0–.50 42.90S 72.44W 10 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=10.0km az=17.7.
IDC Error ellipse: s-maj=34.5km s-min=13.2km az=112.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=8.8km az=108.0.
ISC V 31 10 58 28.2–1.5 42.76S–.03 72.51W–.07 4–9 4.1b,3.5s 37 1-162
IDC V 31 10 58 27.7–.90 42.74S 72.52W 0 4.2,4.0 ¶12941946
GUC V 31 10 58 27.1–.69 42.85S 72.62W 4–8 3.3L,4.0
NEIC V 31 10 58 29.2–.60 42.78S 72.56W 10 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=13.5km az=115.0.
GUC Error ellipse: s-maj=1.4km s-min=4.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=12.7km az=108.0.
IDC V 31 16 23 40.2–1.3 42.72S 72.54W 0 4.0,3.8L
¶16066124
IDC Error ellipse: s-maj=46.2km s-min=16.4km az=125.0.
ISC VI 01 03 18 48.1–1.6 42.85S–.04 72.71W–.08 1–11 14 1-88
IDC VI 01 03 18 47.4–1.9 42.87S 72.72W 0 4.0,4.0L ¶13680078
GUC VI 01 03 18 49.0–.41 42.85S 72.64W 9–17 3.5L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=21.2km az=136.0.
GUC Error ellipse: s-maj=3.1km s-min=6.9km az=-1.0.
ISC VI 01 18 33 58.3–.56 42.84S–.09 72.3W–.20 10 4.0b 40 2-175
ISCJB VI 01 18 33 56.7–.65 42.77S–.08 72.3W–.20 10 4.0b,3.7s ¶13680126
NEIC VI 01 18 33 58.2–.48 42.81S 72.35W 10 4.4b,3.7s
IDC VI 01 18 34 02.0–3.8 42.73S 72.20W 33–27 4.1,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=7.3km az=25.9.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=11.7km az=100.0.
IDC Error ellipse: s-maj=37.3km s-min=17.1km az=96.0.
ISC VI 02 05 46 25.1–1.2 42.83S–.06 72.6W–.10 10 14 0-162
ISCJB VI 02 05 46 24.2–1.2 42.85S–.06 72.6W–.10 10 3.6b ¶13680194
IDC VI 02 05 46 24.5–1.5 42.81S 72.56W 0 4.1,3.9L
GUC VI 02 05 46 24.0–.40 42.84S 72.59W 2–4 3.5L,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=5.1km az=152.4.
IDC Error ellipse: s-maj=45.2km s-min=20.3km az=129.0.
GUC Error ellipse: s-maj=0.9km s-min=2.1km az=-1.0.
GUC VI 02 08 47 22.5–.63 42.83S 72.60W 2–5 3.5L
¶14988557
GUC Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0.
ISC VI 03 04 26 33.9–1.6 42.77S–.09 72.6W–.10 10 3.3b 13 0-162
GUC VI 03 04 26 32.1–.39 42.84S 72.56W 2–7 3.5L ¶13680329
IDC VI 03 04 26 33.0–1.9 42.71S 72.68W 0 3.9,3.8L
ISC Event type ke.
GUC Error ellipse: s-maj=5.0km s-min=11.0km az=-1.0.
IDC Error ellipse: s-maj=43.0km s-min=21.0km az=138.0.
ISC VI 04 00 41 55.9–.63 42.77S–.10 72.5W–.20 10 4.0b 29 3-147
ISCJB VI 04 00 41 54.4–.65 42.73S–.09 72.2W–.20 10 4.1b ¶13680433
IDC VI 04 00 41 54.4–.79 42.76S 72.52W 0 4.1,4.0
NEIC VI 04 00 41 55.6–.50 42.80S 72.54W 10 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=10.8km az=15.9.
IDC Error ellipse: s-maj=33.3km s-min=13.5km az=114.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=10.2km az=102.0.
ISC VI 04 10 23 33.6–.61 42.75S–.09 72.3W–.10 10 4.2b,3.5s 40 2-175
IDC VI 04 10 23 31.9–.77 42.80S 72.47W 0 4.2,4.1 ¶13680457
ISCJB VI 04 10 23 32.1–.68 42.67S–.09 72.3W–.20 10 4.1b,3.6s
NEIC VI 04 10 23 33.6–.52 42.76S 72.39W 10 4.4b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=14.3km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=11.2km az=19.1.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=10.5km az=103.0.
ISC VI 05 10 02 44.9–.75 42.72S–.05 72.29W–.09 10 3.8b 18 0-175
GUC VI 05 10 02 42.5–.54 42.85S 72.63W 13–5 3.5L ¶13680549
IDC VI 05 10 02 43.9–.91 42.81S 72.46W 0 4.3L,4.2
ISCJB VI 05 10 02 44.1–.71 42.76S–.05 72.4W–.10 10 4.0b,3.4s
ISC Event type ke.

ISCJB Event type ke.
ISC VI 05 17 50 46.9–.68 42.79S–.09 72.4W–.10 10 4.0b,3.5s 26 2-162
ISCJB VI 05 17 50 45.5–.66 42.79S–.08 72.3W–.20 10 4.0b,3.5s ¶13680563
IDC VI 05 17 50 45.5–.85 42.79S 72.45W 0 4.1,4.0
NEIC VI 05 17 50 46.9–.59 42.79S 72.41W 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=6.7km az=26.9.
IDC Error ellipse: s-maj=33.2km s-min=13.6km az=113.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=10.8km az=115.0.
ISC VI 06 02 07 29.8–.76 42.83S–.04 72.61W–.08 2 4.2b 35 0-147
ISCJB VI 06 02 07 28.5–.55 42.85S–.04 72.64W–.08 2 4.1b,3.9s ¶13680647
GUC VI 06 02 07 29.0–.60 42.85S 72.62W 2–5 3.5L,3.9s
NEIC VI 06 02 07 30.0–1.7 42.81S 72.56W 1–10 4.4b,3.9s
IDC VI 06 02 07 30.3–.91 42.79S 72.44W 0 4.1,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.6km az=161.9.
GUC Error ellipse: s-maj=1.3km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=7.7km az=80.0.
IDC Error ellipse: s-maj=32.8km s-min=13.5km az=113.0.
IDC VI 06 14 19 05.0–1.6 42.86S 72.48W 0 4.0,3.9L
¶16101017
IDC Error ellipse: s-maj=48.7km s-min=21.2km az=128.0.
ISC VI 06 18 52 51.0–.71 42.80S–.03 72.46W–.07 10 4.6b 30 0-162
GUC VI 06 18 52 48.2–.46 42.86S 72.65W 11–8 3.3L ¶13680691
IDC VI 06 18 52 49.8–1.2 42.96S 72.64W 0 4.2,4.1L
ISCJB VI 06 18 52 50.1–.64 42.82S–.04 72.5W–.10 10 4.2b,3.6s
NEIC VI 06 18 52 50.4–1.8 42.78S 72.39W 3–11 4.6b,3.6s
ISC Event type se.
GUC Error ellipse: s-maj=1.9km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=48.7km s-min=21.4km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=4.4km az=163.9.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=8.9km az=79.0.
ISC VI 07 13 54 18.4–.56 42.78S–.04 72.45W–.07 10 4.1b,3.2s 49 0-162
GUC VI 07 13 54 14.5–.78 42.85S 72.72W 22–8 3.6L,3.2s ¶13680785
ISCJB VI 07 13 54 17.2–.52 42.78S–.03 72.38W–.08 10 4.1b,3.4s
IDC VI 07 13 54 17.1–.76 42.75S 72.36W 0 4.4L,4.2
NEIC VI 07 13 54 17.2–1.3 42.78S 72.47W 2–7 4.3b,4.2
ISC Event type se.
GUC Error ellipse: s-maj=3.3km s-min=17.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.5km az=166.3.
IDC Error ellipse: s-maj=30.5km s-min=15.1km az=107.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.7km az=74.0.
IDC VI 08 03 49 10.5–.75 42.93S 72.22W 0 4.1,4.0L
¶16101086
IDC Error ellipse: s-maj=29.7km s-min=13.8km az=110.0.
IDC VI 08 19 24 53.0–.93 42.81S 72.48W 0 4.2,4.2L
¶16101118
IDC Error ellipse: s-maj=36.8km s-min=15.6km az=119.0.
ISC VI 09 03 19 29.5–1.9 42.80S–.09 72.5W–.20 10 10 0-77
GUC VI 09 03 19 28.1–.41 42.84S 72.60W 3–7 3.0L ¶13681018
ISCJB VI 09 03 19 29.1–1.2 42.84S–.05 72.5W–.10 10 3.3b,2.7s
IDC VI 09 03 19 30.5–3.0 42.78S 72.54W 0 4.3L,3.8
ISC Event type ke.
GUC Error ellipse: s-maj=1.2km s-min=3.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=5.2km az=154.8.
IDC Error ellipse: s-maj=63.5km s-min=24.0km az=141.0.
ISC VI 09 11 01 19.6–1.1 42.76S–.06 72.4W–.20 10 3.8b 13 0-162
GUC VI 09 11 01 17.9–.44 42.84S 72.62W 2–5 3.2L ¶13681043
ISCJB VI 09 11 01 18.7–.81 42.83S–.05 72.6W–.10 10 3.7b
IDC VI 09 11 01 24.2–5.8 42.83S 72.06W 33–42 3.9,3.8L
ISC Event type ke.
GUC Error ellipse: s-maj=1.4km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=5.8km az=162.5.
IDC Error ellipse: s-maj=45.1km s-min=22.9km az=89.0.
IDC VI 10 01 42 47.6–.82 42.80S 72.37W 0 4.2,4.1L
¶16101167
IDC Error ellipse: s-maj=34.3km s-min=14.3km az=111.0.
ISC VI 10 19 02 41.4–.66 42.78S–.09 72.5W–.10 10 4.2b 30 3-162
ISCJB VI 10 19 02 40.0–.67 42.79S–.09 72.5W–.20 10 4.1b ¶13681119
IDC VI 10 19 02 40.1–.79 42.79S 72.50W 0 4.1,4.0
NEIC VI 10 19 02 41.3–.54 42.85S 72.55W 10 4.7b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=11.2km az=22.4.
IDC Error ellipse: s-maj=31.6km s-min=13.0km az=113.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=11.1km az=112.0.
ISC VI 11 12 30 24.7–.64 42.81S–.04 72.50W–.07 10 4.0b 42 0-162
GUC VI 11 12 30 22.5–.63 42.85S 72.60W 2–20 3.4L ¶13681164
NEIC VI 11 12 30 22.5 42.85S 72.60W 2 4.2b
ISCJB VI 11 12 30 23.5–.57 42.83S–.04 72.52W–.09 10 3.9b
IDC VI 11 12 30 23.5–.72 42.86S 72.43W 0 4.2,4.1
ISC Event type se.
GUC Error ellipse: s-maj=3.7km s-min=10.5km az=-1.0.
NEIC Event type se. After GUC.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.8km az=161.4.
IDC Error ellipse: s-maj=28.1km s-min=12.8km az=111.0.
ISC VI 12 08 26 29.4–1.4 42.79S–.04 72.48W–.07 6–8 4.1b 43 0-162
NEIC VI 12 08 26 27.7 42.84S 72.60W 3 4.5b ¶13681209
GUC VI 12 08 26 27.7–.45 42.84S 72.60W 3–6 3.3L
IDC VI 12 08 26 28.8–.80 42.82S 72.47W 0 4.1,4.1L
ISC Event type se.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=31.3km s-min=13.3km az=113.0.
ISC VI 14 11 36 54.3–1.9 42.80S–.07 72.5W–.10 18–7 12 0-77
GUC VI 14 11 36 53.1–.46 42.86S 72.67W 13–5 3.3L ¶13681357
IDC VI 14 11 36 56.2–1.5 42.72S 72.63W 0 4.1L,4.0
ISC Event type ke.
GUC Error ellipse: s-maj=1.7km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=44.8km s-min=16.8km az=128.0.
IDC VI 14 22 20 22.1–1.2 42.88S 72.77W 0 4.0,4.0L
¶16101337
IDC Error ellipse: s-maj=40.4km s-min=23.3km az=106.0.
IDC VI 16 09 55 51.4–1.4 42.67S 72.64W 0 4.3,4.0
¶16101400
IDC Error ellipse: s-maj=39.1km s-min=16.6km az=128.0.
IDC VI 18 00 29 41.5–.88 42.85S 72.35W 0 4.0,3.9
¶16101448
IDC Error ellipse: s-maj=36.4km s-min=15.1km az=118.0.
ISC VI 18 06 33 32.9–2.0 43.1S–.10 72.9W–.10 35 11 1-88
IDC VI 18 06 33 29.4–3.1 43.14S 72.80W 0 3.9,3.9L ¶13681578
GUC VI 18 06 33 31.6–.61 42.84S 72.65W 8–32 3.2L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=63.1km s-min=41.7km az=99.0.
GUC Error ellipse: s-maj=8.8km s-min=23.8km az=-1.0.
IDC VI 19 21 03 38.6–1.2 43.05S 72.16W 0 4.2L,4.0
¶16101514
IDC Error ellipse: s-maj=48.9km s-min=18.9km az=117.0.
IDC VI 21 14 26 07.7–1.9 42.72S 72.79W 0 4.0,3.8
¶16101576
IDC Error ellipse: s-maj=47.5km s-min=21.4km az=138.0.
IDC VI 27 11 29 52.8–1.3 42.86S 72.36W 0 3.9,3.8
¶16101781
IDC Error ellipse: s-maj=42.0km s-min=16.7km az=120.0.
IDC VI 28 23 38 35.7–1.3 42.68S 72.67W 0 4.0L,3.9
¶16101844
IDC Error ellipse: s-maj=56.2km s-min=18.7km az=106.0.

(145) Southern Chile-Argentina border region.

ISC I 13 17 53 11.9–.79 37.41S–.04 71.48W–.08 115–9 4.0b 54 1-158
ISCJB I 13 17 53 10.7–.40 37.42S–.03 71.39W–.09 113–7 4.0b ¶12081204
IDC I 13 17 53 12.5–2.1 37.44S 71.05W 108–15 4.0,3.9
NEIC I 13 17 53 12.1–.41 37.41S 71.43W 115–6 4.2b,3.9
GUC I 13 17 53 13.5–.94 37.33S 71.66W 117–14 4.1L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=4.5km az=5.9.
IDC Error ellipse: s-maj=54.4km s-min=10.7km az=98.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.3km az=91.0.
GUC Error ellipse: s-maj=5.5km s-min=12.9km az=-1.0.
ISC III 02 07 43 11.4–.50 40.33S–.04 71.50W–.05 178–4 4.6b 119 1-178
ISCJB III 02 07 43 10.3–.29 40.33S–.03 71.50W–.08 179–3 4.5b ¶11731107
GUC III 02 07 43 11.1–.87 40.34S 71.52W 174–5 4.7L
NEIC III 02 07 43 12.1–.71 40.23S 71.34W 177–5 4.7b
IDC III 02 07 43 12.2–.66 40.26S 71.20W 174–4 4.3,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=4.9km az=176.3.
GUC Error ellipse: s-maj=2.3km s-min=5.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.7km az=92.0.
IDC Error ellipse: s-maj=19.8km s-min=11.6km az=98.0.
IDC VI 26 22 33 41.9–2.7 37.58S 71.85W 130–26 3.7,3.6
¶16101763
IDC Error ellipse: s-maj=37.9km s-min=22.9km az=76.0.

SEISMIC REGION 10.
Southern Antilles.

(148) Falkland Islands region.

ISC I 23 12 40 20.6–.48 54.31S–.06 57.22W–.07 10 4.3b 65 3-158
ISCJB I 23 12 40 19.4–.47 54.42S–.06 57.30W–.10 10 4.2b,3.9s ¶12082123
IDC I 23 12 40 19.7–.73 54.66S 57.11W 0 4.6L,4.4
NEIC I 23 12 40 20.7–.34 54.40S 57.26W 10 4.6b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=7.6km az=37.3.
IDC Error ellipse: s-maj=27.1km s-min=17.9km az=31.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.6km az=62.0.

(149) Drake Passage.

ISC II 24 23 35 39.2–.50 59.05S–.06 60.94W–.10 10 4.2b,3.8s 40 6-166
ISCJB II 24 23 35 37.9–.59 59.05S–.05 61.3W–.20 10 4.1b,3.9s ¶12701785
IDC II 24 23 35 38.5–.82 59.13S 60.22W 0 4.2,4.1L
NEIC II 24 23 35 39.4–.48 59.13S 60.42W 10 4.7b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=6.7km az=171.7.
IDC Error ellipse: s-maj=32.4km s-min=16.3km az=78.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=9.3km az=85.0.
ISC V 25 13 30 22.9–.88 57.8S–.10 65.8W–.20 10 4.3b,4.0s 24 3-137
IDC V 25 13 30 20.9–1.1 57.79S 65.68W 0 4.4,4.3 ¶13232179
ISCJB V 25 13 30 21.3–.92 57.8S–.10 65.8W–.30 10 4.1b,3.9s
NEIC V 25 13 30 22.8–.85 57.88S 65.70W 10 4.9b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=53.1km s-min=21.8km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=11.1km az=157.8.
NEIC Event type se. Error ellipse: s-maj=36.9km s-min=14.9km az=84.0.

(150) Scotia Sea.

IDC II 06 03 51 14.5–2.0 60.76S 45.50W 0 4.0,4.0b
¶15955125
IDC Error ellipse: s-maj=113.4km s-min=48.8km az=8.0.
ISC IV 09 03 31 29.2–1.4 60.47S–.05 50.04W–.05 15–7 5.0b,4.4s 210 8-164
IDC IV 09 03 31 26.4–.37 60.58S 49.88W 0 5.3L,4.8 ¶12105725
ISCJB IV 09 03 31 27.1–.27 60.53S–.04 50.1W–.10 10 4.8b,4.4s
BJI IV 09 03 31 27.9 60.61S 50.04W 10 5.3s,5.2b
NEIC IV 09 03 31 28.1–.25 60.55S 49.82W 10 5.1b,5.2b
GCMT IV 09 03 31 32.4–.30 60.76S 50.19W 20–0 5.1W,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=11.0km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.7km az=159.8.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.8km az=61.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s45,c56; s62,c91;
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.03±.23 $M_{\theta\theta}$1.26±.14; $M_{\phi\phi}$2.77±.19; $M_{r\theta}$-2.68±.32;
$M_{\theta\phi}$2.68±.12; $M_{\theta r}$0.64±.33; Best double couple: NP1:ϕ_s193.00000°,δ44.00000°,λ-131.00000°.
NP2:ϕ_s63.00000°,δ58.00000°,λ-58.00000°. Principal axes: T 4.9600,Plg8.0000°
,Azm131.0000°; N 0.5400,Plg27.0000°,Azm225.0000°; P -5.5000,Plg61.0000°,Azm26.0000°
M_o5.20000×10^{16}
IDC VI 07 21 16 35.8–.96 60.47S 44.49W 0 3.9b,3.9
¶16101078
IDC Error ellipse: s-maj=42.0km s-min=22.4km az=60.0.
IDC VI 08 17 37 35.5–1.1 60.75S 51.85W 0 4.4,4.3b
¶16101114
IDC Error ellipse: s-maj=50.7km s-min=34.2km az=66.0.

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ISC I 01 02 46 20.7–.45 55.16S–.09 29.10W–.09 10 4.6b,4.1s 59 18-152
ISCJB I 01 02 46 18.9–.44 55.20S–.07 29.0W–.10 10 4.5b,4.1s ¶12079725
IDC I 01 02 46 19.1–.60 55.20S 29.01W 0 5.3L,4.5
NEIC I 01 02 46 24.4–.30 55.16S 29.09W 35 4.7b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=9.3km az=144.1.
IDC Error ellipse: s-maj=22.2km s-min=18.1km az=160.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.6km az=187.0.
ISC I 02 07 08 42.2–.60 58.9S–.10 25.2W–.10 18 4.2b,3.9s 32 14-153
IDC I 02 07 08 39.5–.70 58.79S 25.30W 0 4.1,4.1 ¶12079806
NEIC I 02 07 08 40.9–.36 58.78S 25.25W 10 4.7b,4.1
ISCJB I 02 07 08 40.7–.61 58.80S–.08 25.2W–.20 18 4.0b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 03 06 03 11.8–9.9 56.03S 27.76W 124–88 3.6,3.5b
¶12079877
IDC Error ellipse: s-maj=41.3km s-min=18.8km az=63.0.
IDC I 03 13 34 17.8–12 58.06S 25.45W 75–111 3.9b,3.8
¶12079905
IDC Error ellipse: s-maj=73.0km s-min=25.1km az=104.0.
ISC I 03 13 36 51.6–.54 58.00S–.10 25.6W–.10 49 4.4b,3.6s 39 15-152
IDC I 03 13 36 44.8–.65 57.99S 25.55W 0 4.4,4.3 ¶12079906
NEIC I 03 13 36 49.2–4.6 57.99S 25.56W 30–32 4.5b,4.3
ISCJB I 03 13 36 49.6–.54 57.99S–.08 25.6W–.20 49 4.4b,3.5s
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC I 06 04 25 20.6–.72 59.8S–.20 25.7W–.10 26 4.1b 13 13-153
IDC I 06 04 25 17.8–.78 59.34S 25.80W 0 4.2,4.1b ¶12080454
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=20.2km az=8.0.
ISC I 06 17 08 09.9–.56 58.70S–.10 26.51W–.10 172 4.2b 42 14-152
IDC I 06 17 08 06.9–2.6 58.66S 26.31W 140–22 4.1,4.0b ¶12080530
NEIC I 06 17 08 06.9–2.9 58.61S 26.39W 145–26 4.5b,4.0b
ISCJB I 06 17 08 08.5–.68 58.63S–.10 26.4W–.20 172 4.0b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 07 15 56 37.1–1.5 56.07S 28.21W 0 4.2b,4.1
¶12080654
IDC Error ellipse: s-maj=88.3km s-min=44.7km az=108.0.
ISC I 08 03 02 59.8–.57 56.0S–.10 27.5W–.10 112 4.2b 24 17-151
ISCJB I 08 03 02 58.6–.66 55.99S–.09 27.5W–.20 112 4.0b ¶12080704
IDC I 08 03 03 02.9–5.8 56.04S 27.60W 137–51 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=10.1km az=150.5.
IDC Error ellipse: s-maj=24.1km s-min=17.0km az=69.0.
ISC I 11 17 09 50.4–.84 58.4S–.10 25.6W–.20 107 4.2b 15 14-152
IDC I 11 17 09 49.2–.86 58.47S 25.81W 80–6 4.1b,4.1 ¶12081044
ISCJB I 11 17 09 50.9–1.3 58.6S–.10 25.5W–.60 107 4.2b,4.1

ISC Event type ke.
ISCJB Event type ke.
IDC I 11 20 13 03.7–1.7 56.44S 26.79W 0 4.0,3.9b
¶12081061

IDC Error ellipse: s-maj=60.8km s-min=30.2km az=174.0.
IDC I 11 22 15 58.3–1.7 56.88S 27.43W 0 4.2b,4.2
¶12081069

IDC Error ellipse: s-maj=72.5km s-min=38.9km az=1.0.
IDC I 15 01 09 35.6–1.9 58.11S 25.50W 0 3.6b,3.6
¶12081301

IDC Error ellipse: s-maj=112.0km s-min=76.7km az=138.0.
IDC I 15 05 24 55.3–2.4 60.84S 25.00W 0 4.1,4.0b
¶12081309

IDC Error ellipse: s-maj=84.5km s-min=47.3km az=12.0.
IDC I 16 17 35 13.3–1.5 60.64S 28.17W 0 4.1,4.0
¶12081458

IDC Error ellipse: s-maj=73.6km s-min=30.4km az=17.0.

ISC	**I**	**16 19 24 16.3–.48**	**61.2S–.10**	**22.5W–.10**	**10**	**4.5b**	**50**	**11-150**
ISCJB	I	16 19 24 14.6–.42	61.14S–.08	22.5W–.20	10	4.3b,3.6s		**¶12081470**
IDC	I	16 19 24 15.5–.60	61.02S	22.65W	0	4.3,4.3		
NEIC	I	16 19 24 20.4–.46	61.08S	22.46W	35	4.6b,4.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=7.6km az=143.3.
IDC Error ellipse: s-maj=23.1km s-min=18.5km az=42.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=11.9km az=51.0.

ISC	**I**	**16 22 40 04.9–.53**	**59.7S–.10**	**26.6W–.10**	**26**	**4.5b**	**38**	**13-150**
ISCJB	I	16 22 40 03.2–.50	59.73S–.09	26.6W–.20	26	4.4b		**¶12081489**
NEIC	I	16 22 40 05.4–.42	59.78S	26.52W	35	4.6b		
IDC	I	16 22 40 12.6–8.8	59.80S	26.71W	94–77	4.1,4.0b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=8.1km az=144.5.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=10.9km az=224.0.
IDC Error ellipse: s-maj=28.5km s-min=20.9km az=69.0.
IDC I 17 02 44 37.3–1.6 56.41S 27.71W 0 4.4b,4.4
¶12081504

IDC Error ellipse: s-maj=87.5km s-min=58.8km az=149.0.

ISC	**I**	**17 05 17 12.8–.62**	**59.77S–.06**	**26.78W–.06**	**68–5**	**5.2b**	**511**	**13-173**
BJI	I	17 05 17 03.5	59.90S	26.80W	10	5.6s,5.5b		**¶13405778**
ISCJB	I	17 05 17 08.7–1.7	59.74S–.06	26.6W–.10	44–15	5.2b,4.4s		
NEIC	I	17 05 17 13.6–.16	59.74S	26.70W	78	5.2b,4.4s		
IDC	I	17 05 17 14.5–1.9	59.75S	26.79W	82–15	5.0,4.9		
MOS	I	17 05 17 19.1–1.2	59.77S	26.84W	131	5.1b,4.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=7.6km az=140.5.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.3km az=213.0.
IDC Error ellipse: s-maj=13.6km s-min=11.2km az=46.0.
MOS Error ellipse: s-maj=27.0km s-min=12.4km az=103.4.

ISC	**I**	**17 08 46 44.5–1.1**	**57.1S–.30**	**24.0W–.40**	**10**	**4.4b**	**9**	**15-152**
IDC	I	17 08 46 44.1–1.1	57.32S	24.80W	0	4.3b,4.3		**¶12081524**

ISC Event type ke.
IDC Error ellipse: s-maj=51.6km s-min=32.3km az=40.0.

ISC	**I**	**17 20 37 23.7–.43**	**58.61S–.09**	**25.1W–.10**	**28**	**4.5b,3.8s**	**61**	**14-153**
IDC	I	17 20 37 19.2–.51	58.67S	25.24W	0	4.5,4.4		**¶12081569**
ISCJB	I	17 20 37 21.4–.43	58.62S–.07	25.4W–.20	28	4.4b,3.6s		
NEIC	I	17 20 37 26.6–.41	58.71S	25.29W	55	4.5b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=18.0km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=7.9km az=147.7.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=12.4km az=54.0.

ISC	**I**	**18 00 31 16.4–.45**	**58.7S–.10**	**24.9W–.10**	**28**	**4.3b**	**56**	**14-153**
ISCJB	I	18 00 31 14.8–.52	58.67S–.08	24.8W–.20	28	4.2b		**¶12081588**
IDC	I	18 00 31 17.9–3.1	58.66S	24.97W	36–22	4.2,4.1		
NEIC	I	18 00 31 19.8–.38	58.81S	24.95W	55	4.3b,4.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=9.0km az=145.7.
IDC Error ellipse: s-maj=26.0km s-min=19.6km az=19.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=11.8km az=215.0.

ISC	**I**	**18 07 20 06.0–.69**	**57.4S–.10**	**23.2W–.20**	**10**	**4.3b**	**24**	**15-153**
ISCJB	I	18 07 20 04.5–.81	57.5S–.10	23.4W–.30	10	4.3b		**¶12081617**
IDC	I	18 07 20 04.6–.85	57.45S	23.06W	0	4.4,4.3b		
NEIC	I	18 07 20 09.6–.44	57.55S	23.25W	35	4.5b,4.3b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.7km s-min=11.5km az=146.2.
IDC Error ellipse: s-maj=44.6km s-min=33.2km az=53.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.7km az=49.0.
IDC I 19 05 18 12.5–1.5 57.85S 26.07W 0 3.7b,3.7
¶12081715

IDC Error ellipse: s-maj=55.6km s-min=35.2km az=9.0.

ISC	**I**	**19 08 38 37.0–.48**	**58.0S–.10**	**25.5W–.20**	**49**	**4.5b**	**57**	**15-154**
IDC	I	19 08 38 30.2–.68	57.94S	25.53W	0	4.5,4.4b		**¶12081735**
ISCJB	I	19 08 38 35.7–.58	57.91S–.10	25.7W–.30	49	4.6b,4.4b		
NEIC	I	19 08 38 35.8–.30	57.86S	25.61W	35	4.4b,4.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=23.4km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=24.9km s-min=9.1km az=153.5.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=11.2km az=62.0.

ISC	**I**	**20 11 03 02.3–.52**	**56.9S–.10**	**25.0W–.10**	**22**	**4.5b**	**30**	**16-154**
IDC	I	20 11 02 59.0–.53	56.83S	25.03W	0	4.5b,4.5		**¶12081861**
ISCJB	I	20 11 03 00.5–.52	56.89S–.07	25.0W–.20	22	4.5b,4.5		

ISC Event type ke.
ISCJB Event type ke.
IDC I 20 14 07 43.2–2.7 57.41S 25.18W 0 4.4,4.2b
¶12081870

IDC Error ellipse: s-maj=103.3km s-min=46.9km az=171.0.

ISC	**I**	**20 14 14 34.8–.98**	**57.1S–.20**	**24.9W–.30**	**22**	**4.1b**	**10**	**15-152**
IDC	I	20 14 14 31.8–2.4	57.00S	24.85W	0	4.4,4.2		**¶12081871**

ISC Event type ke.
IDC Error ellipse: s-maj=86.9km s-min=42.0km az=179.0.

ISC	**I**	**20 14 38 23.3–2.0**	**57.2S–.60**	**24.8W–.30**	**15**		**5**	**15-152**
IDC	I	20 14 38 21.1–1.8	57.15S	24.72W	0	4.2,4.0		**¶12081874**

ISC Event type ke.
IDC Error ellipse: s-maj=77.1km s-min=41.3km az=6.0.
IDC I 22 09 06 00.5–2.2 55.54S 26.04W 0 3.8,3.7
¶12082043

IDC Error ellipse: s-maj=96.5km s-min=40.2km az=166.0.

ISC	**I**	**23 08 26 00.8–1.7**	**57.00S–.09**	**25.25W–.07**	**15–9**	**4.8b,4.7s**	**349**	**16-161**
ISCJB	I	23 08 25 58.4–.36	56.96S–.06	25.2W–.10	10	4.7b,4.6s		**¶11616517**
IDC	I	23 08 25 58.3–.44	56.91S	25.14W	0	4.7,4.7		
BJI	I	23 08 26 00.2	57.10S	25.10W	10	5.5b,5.2s		
NEIC	I	23 08 26 03.9–.17	57.04S	25.13W	35	4.7b,5.2s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=7.3km az=138.9.
IDC Error ellipse: s-maj=19.9km s-min=14.7km az=3.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.9km az=191.0.

ISC	**I**	**23 12 47 54.4–.81**	**57.1S–.20**	**25.1W–.30**	**22**	**3.8b**	**13**	**16-153**
IDC	I	23 12 47 51.8–.97	56.83S	24.93W	0	4.1s,4.1		**¶12082124**
ISCJB	I	23 12 47 52.7–.91	56.9S–.20	24.9W–.50	22	4.0s,4.0b		

ISC Event type ke.
ISCJB Event type ke.
IDC I 24 01 12 59.3–4.2 55.81S 26.35W 0 4.0,3.8b
¶12082172

IDC Error ellipse: s-maj=140.0km s-min=47.6km az=171.0.

ISC	**I**	**24 03 05 35.0–1.2**	**56.87S–.07**	**24.91W–.07**	**30–7**	**4.8b,4.8s**	**195**	**7-168**
IDC	I	24 03 05 30.0–.39	56.90S	24.94W	0	4.7b,4.7		**¶11657440**
ISCJB	I	24 03 05 30.1–.33	56.91S–.06	25.0W–.10	10	4.8b,4.8s		
NEIC	I	24 03 05 35.8–1.4	56.94S	24.92W	39–11	4.9b,4.8s		
BJI	I	24 03 05 39.7	56.80S	25.00W	52	5.5s,5.2b		

ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=13.4km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.7km az=138.4.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.6km az=214.0.

ISC	**I**	**24 03 18 10.9–.77**	**56.9S–.20**	**24.9W–.30**	**22**	**3.8b**	**19**	**16-152**
ISCJB	I	24 03 18 08.7–.84	56.9S–.20	25.0W–.50	22	4.0b		**¶12082184**
IDC	I	24 03 18 08.5–1.1	56.72S	24.83W	0	4.0b,4.0		
NEIC	I	24 03 18 13.2–.70	56.83S	24.94W	35	4.4b,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=41.2km s-min=11.5km az=151.9.
IDC Error ellipse: s-maj=48.5km s-min=31.1km az=38.0.
NEIC Event type se. Error ellipse: s-maj=40.8km s-min=17.1km az=55.0.

ISC	**I**	**24 05 20 03.8–.75**	**56.9S–.10**	**24.9W–.30**	**22**	**4.4b**	**20**	**16-152**
IDC	I	24 05 20 00.3–1.7	56.92S	25.02W	0	4.3,4.1		**¶12082191**
ISCJB	I	24 05 20 02.0–.85	56.9S–.10	24.7W–.40	22	4.2b,3.6s		
NEIC	I	24 05 20 05.7–.66	56.92S	24.80W	35	4.5b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=69.6km s-min=35.5km az=9.0.
ISCJB Event type se. Error ellipse: s-maj=38.7km s-min=12.0km az=154.3.
NEIC Event type se. Error ellipse: s-maj=35.5km s-min=14.6km az=65.0.

ISC	**I**	**24 06 00 04.7–.54**	**57.0S–.10**	**25.0W–.10**	**22**	**4.5b,3.6s**	**39**	**16-152**
IDC	I	24 06 00 01.5–.66	56.90S	25.02W	0	4.4b,4.4		**¶12082196**
ISCJB	I	24 06 00 02.3–.61	56.94S–.08	25.1W–.20	22	4.3b,3.7s		
NEIC	I	24 06 00 06.3–.49	57.05S	25.06W	35	4.6b,3.7s		

ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=22.2km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=10.2km az=156.8.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=15.0km az=55.0.
IDC I 24 09 32 43.1–1.7 56.97S 24.86W 0 4.3,4.1b
¶12082208

IDC Error ellipse: s-maj=81.0km s-min=41.7km az=10.0.

ISC	**I**	**24 10 02 24.4–.60**	**60.4S–.10**	**25.2W–.10**	**10**	**4.3b**	**34**	**12-154**
ISCJB	I	24 10 02 21.6–.59	60.5S–.10	25.1W–.30	10	4.2b,3.8s		**¶12082211**
IDC	I	24 10 02 24.0–.71	60.19S	25.43W	0	4.2,4.2		
NEIC	I	24 10 02 24.1–.61	60.38S	25.16W	10	4.5b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=8.3km az=142.0.
IDC Error ellipse: s-maj=27.9km s-min=18.0km az=52.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=12.2km az=48.0.
IDC I 24 17 00 33.2–1.6 57.13S 25.35W 0 4.2,4.1
¶12082237

IDC Error ellipse: s-maj=66.4km s-min=39.0km az=23.0.

ISC	**I**	**24 22 53 56.7–.61**	**56.9S–.10**	**25.1W–.10**	**22**	**4.4b,3.6s**	**36**	**16-152**
IDC	I	24 22 53 53.6–.78	56.88S	25.12W	0	4.3b,4.2		**¶12082258**
ISCJB	I	24 22 53 54.8–.73	56.9S–.10	25.1W–.20	22	4.3b,3.6s		
NEIC	I	24 22 53 58.7–.40	56.89S	25.18W	35	4.9b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=21.0km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=9.8km az=145.9.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.0km az=50.0.
IDC I 25 02 07 21.0–1.0 57.17S 25.58W 0 4.2,4.0b
¶12082272

IDC Error ellipse: s-maj=42.7km s-min=30.4km az=78.0.

ISC	**I**	**26 01 08 49.8–.50**	**56.99S–.09**	**24.8W–.10**	**22**	**4.5b,4.0s**	**41**	**15-152**
IDC	I	26 01 08 46.6–.64	56.92S	24.85W	0	4.4,4.4b		**¶12082338**
ISCJB	I	26 01 08 48.0–.44	56.94S–.06	24.8W–.20	22	4.5b,4.0s		
NEIC	I	26 01 08 51.5–.29	57.00S	24.84W	35	4.5b,4.0s		

ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=20.0km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=7.2km az=154.2.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.2km az=47.0.

ISC	**I**	**27 15 23 05.1–.79**	**57.0S–.10**	**25.3W–.20**	**10**	**4.3b**	**15**	**16-152**
IDC	I	27 15 23 02.7–1.0	56.94S	24.79W	0	4.3,4.1b		**¶12082492**
ISCJB	I	27 15 23 03.4–.96	57.0S–.10	25.2W–.40	10	4.2b,4.1b		
NEIC	I	27 15 23 08.2–.71	56.98S	25.22W	35	4.6b,4.1b		

ISC Event type se.
IDC Error ellipse: s-maj=43.5km s-min=31.7km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=28.5km s-min=15.3km az=166.0.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=24.3km az=86.0.
IDC I 27 21 05 55.5–1.9 55.31S 27.43W 0 4.0b,4.0
¶12082514

IDC Error ellipse: s-maj=109.9km s-min=67.6km az=142.0.

ISC	**I**	**29 12 14 19.9–.55**	**55.93S–.08**	**27.6W–.10**	**88–4**	**4.7b**	**95**	**17-158**
IDC	I	29 12 14 20.4–.53	55.90S	27.54W	87–4	4.5,4.5		**¶12082663**
ISCJB	I	29 12 14 21.5–2.6	55.95S–.09	27.5W–.20	108–23	4.6b,4.5		
NEIC	I	29 12 14 24.2–1.5	55.94S	27.54W	121–12	4.8b,4.5		

ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=13.2km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=12.8km az=154.8.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.5km az=67.0.

ISC	**I**	**31 03 29 08.7–.60**	**55.8S–.10**	**26.3W–.20**	**35**	**4.5b,4.0s**	**30**	**19-151**
IDC	I	31 03 29 04.6–1.0	55.59S	26.26W	0	4.3b,4.3		**¶12082784**
ISCJB	I	31 03 29 07.0–.63	55.7S–.10	26.4W–.20	35	4.4b,4.0s		
NEIC	I	31 03 29 08.5–.44	55.85S	26.34W	35	4.6b,4.0s		

ISC Event type se.
IDC Error ellipse: s-maj=46.1km s-min=41.3km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=16.6km az=39.5.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=13.3km az=56.0.

ISC	**I**	**31 12 19 03.6–.72**	**55.6S–.10**	**26.5W–.10**	**38**	**4.6b,4.0s**	**17**	**19-150**
IDC	I	31 12 18 58.0–1.3	55.63S	26.58W	0	4.4,4.4b		**¶12082822**
ISCJB	I	31 12 19 01.8–.73	55.7S–.10	26.5W–.20	38	4.4b,3.9s		
NEIC	I	31 12 19 03.2–.42	55.63S	26.47W	35	4.6b,3.9s		

ISC Event type se.
IDC Error ellipse: s-maj=55.3km s-min=44.3km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=15.9km az=146.1.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=11.3km az=61.0.
IDC I 31 19 53 56.2–.97 55.57S 26.74W 0 3.9,3.9
¶12082849

IDC Error ellipse: s-maj=39.7km s-min=30.7km az=93.0.
IDC I 31 19 55 58.7–1.2 55.58S 26.59W 0 4.1b,4.1
¶12082851

IDC Error ellipse: s-maj=86.6km s-min=33.5km az=101.0.
IDC II 01 05 12 55.5–17 56.06S 24.59W 0 3.8,3.8b
¶15954812

IDC Error ellipse: s-maj=1127.0km s-min=72.3km az=140.0.
IDC II 02 11 47 34.3–.92 55.36S 27.87W 0 4.0b,4.0
¶15954893

IDC Error ellipse: s-maj=30.8km s-min=24.7km az=12.0.

ISC	**II**	**03 09 05 55.9–.80**	**60.7S–.20**	**27.1W–.20**	**10**	**4.0b**	**12**	**13-153**
ISCJB	II	03 09 05 53.7–.85	60.8S–.20	27.1W–.40	10	4.0b,3.1s		**¶15954950**
IDC	II	03 09 05 54.6–1.4	60.66S	27.01W	0	4.1,4.1b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.7km s-min=11.1km az=142.7.
IDC Error ellipse: s-maj=63.7km s-min=29.1km az=8.0.

ISC	**II**	**03 09 15 25.7–1.1**	**60.7S–.20**	**26.9W–.30**	**19**	**3.7b**	**7**	**13-153**
ISCJB	II	03 09 15 23.3–1.1	60.8S–.20	26.9W–.60	19	3.5b		**¶15954951**
IDC	II	03 09 15 24.1–1.3	60.32S	26.92W	0	3.8,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=46.0km s-min=14.7km az=149.0.
IDC Error ellipse: s-maj=45.7km s-min=34.7km az=81.0.
IDC II 03 10 15 29.9–8.8 55.05S 27.22W 0 3.6s,3.5
¶15954954

IDC Error ellipse: s-maj=469.4km s-min=66.1km az=146.0.

ISC	**II**	**05 10 40 23.4–2.3**	**56.51S–.08**	**25.59W–.08**	**27–15**	**4.8b,4.2s**	**182**	**18-158**
ISCJB	II	05 10 40 19.4–.37	56.48S–.07	25.6W–.10	10	4.8b,4.3s		**¶11730069**
IDC	II	05 10 40 19.4–.46	56.50S	25.69W	0	4.6,4.6b		
MOS	II	05 10 40 23.3–1.4	56.63S	25.59W	33	5.3b,4.6b		
NEIC	II	05 10 40 24.7–.26	56.55S	25.51W	35	5.1b,4.6b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=8.6km az=27.7.
IDC Error ellipse: s-maj=18.0km s-min=16.6km az=170.0.
MOS Error ellipse: s-maj=25.4km s-min=13.7km az=103.8.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.4km az=18.0.

ISC	**II**	**05 12 02 43.2–.77**	**56.5S–.10**	**25.9W–.10**	**33**	**4.6b,3.4s**	**21**	**19-151**
IDC	II	05 12 02 38.1–1.1	56.41S	25.84W	0	4.1,4.0b		**¶12699593**

ISCJB II 05 12 02 42.0–.87 56.5S–.10 26.2W–.20 33 4.3b,3.5s
NEIC II 05 12 02 43.5–.46 56.51S 25.94W 35 4.8b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=28.3km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=15.3km az=145.7.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.3km az=221.0.
IDC II 06 08 18 13.2–1.8 56.52S 25.63W 0 3.7s,3.7
¶15955133
IDC Error ellipse: s-maj=78.0km s-min=37.4km az=8.0.
ISC II 07 22 18 40.4–1.3 57.1S–.20 27.5W–.60 10 7 16-151
IDC II 07 22 18 34.6–1.1 56.40S 26.51W 0 4.0,4.0 **¶15955196**
ISC Event type ke.
IDC Error ellipse: s-maj=69.8km s-min=32.1km az=99.0.
IDC II 08 00 07 59.2–1.7 56.34S 27.61W 0 3.4,3.4
¶15955202
IDC Error ellipse: s-maj=88.9km s-min=61.9km az=155.0.
ISC II 09 15 25 24.4–.46 55.7S–.10 26.7W–.10 25 4.4b,4.2s 55 17-151
IDC II 09 15 25 20.4–.60 55.74S 26.76W 0 4.3s,4.3 **¶12699853**
ISCJB II 09 15 25 23.0–.48 55.64S–.08 26.7W–.10 25 4.3b,4.2s
NEIC II 09 15 25 22.7–6.5 55.80S 26.67W 15–39 4.5b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=20.3km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=9.8km az=36.9.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=9.4km az=195.0.
ISC II 10 03 25 37.4–.67 55.8S–.20 26.6W–.10 35 4.2b 31 19-150
ISCJB II 10 03 25 36.0–.65 55.8S–.10 26.5W–.20 35 4.1b,3.8s **¶12699886**
NEIC II 10 03 25 37.6–.43 55.81S 26.47W 35 4.3b,3.8s
IDC II 10 03 25 40.1–8.4 55.85S 26.31W 55–74 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=14.8km az=11.2.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=12.4km az=192.0.
IDC Error ellipse: s-maj=28.9km s-min=25.0km az=111.0.
IDC II 10 03 48 53.6–1.7 59.42S 25.44W 0 4.2,4.1b
¶15955346
IDC Error ellipse: s-maj=80.3km s-min=36.0km az=170.0.
IDC II 12 03 36 05.2–2.0 55.52S 26.53W 0 3.6,3.6
¶15955608
IDC Error ellipse: s-maj=114.1km s-min=74.1km az=141.0.
ISC II 16 10 05 38.9–.52 60.4S–.10 26.9W–.10 19 4.5b,3.8s 49 17-153
IDC II 16 10 05 36.0–.78 60.40S 26.91W 0 4.4b,4.4 **¶12700889**
ISCJB II 16 10 05 37.3–.57 60.4S–.10 26.9W–.20 19 4.4b,3.9s
NEIC II 16 10 05 41.4–.30 60.37S 26.92W 35 4.8b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=21.7km az=8.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=12.3km az=33.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.7km az=205.0.
IDC II 17 01 00 26.7–4.0 55.29S 26.75W 0 3.8,3.7
¶15956381
IDC Error ellipse: s-maj=136.3km s-min=49.5km az=172.0.
IDC II 17 13 14 47.1–2.2 58.41S 24.69W 0 3.6,3.6
¶15956411
IDC Error ellipse: s-maj=121.2km s-min=80.7km az=129.0.
ISC II 17 19 13 24.5–.69 57.4S–.10 24.7W–.10 10 4.3b 23 17-152
ISCJB II 17 19 13 22.5–.68 57.4S–.10 24.7W–.20 10 4.3b **¶12701046**
IDC II 17 19 13 23.4–.91 57.41S 24.73W 0 4.3,4.1
NEIC II 17 19 13 26.2–.74 57.86S 24.55W 35 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=14.0km az=9.8.
IDC Error ellipse: s-maj=28.0km s-min=22.1km az=17.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=15.9km az=19.0.
ISC II 18 23 10 26.7–.61 58.0S–.10 25.5W–.10 50–4 4.2b 46 32-152
NEIC II 18 23 10 25.0–.33 57.91S 25.49W 35 4.2b **¶12701184**
IDC II 18 23 10 26.7–.64 57.99S 25.47W 49–5 4.0,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.1km az=180.0.
IDC Error ellipse: s-maj=22.7km s-min=19.3km az=54.0.
IDC II 21 09 17 48.2–1.7 56.34S 24.84W 0 4.3,4.1b
¶15956867
IDC Error ellipse: s-maj=73.7km s-min=35.1km az=10.0.
ISC II 21 10 19 06.5–.49 58.5S–.10 28.0W–.10 300 4.2b 57 17-151
ISCJB II 21 10 19 06.1–.66 58.4S–.10 27.9W–.20 300 4.1b **¶12701420**
NEIC II 21 10 19 06.5–1.6 58.92S 27.94W 312–15 4.7b
IDC II 21 10 19 10.0–1.6 58.43S 28.00W 328–14 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=14.3km az=28.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=13.4km az=210.0.
IDC Error ellipse: s-maj=16.7km s-min=13.5km az=37.0.
IDC II 23 01 02 57.5–1.1 55.85S 28.07W 0 4.2,4.2
¶15957013
IDC Error ellipse: s-maj=76.8km s-min=31.7km az=101.0.
ISC II 24 11 55 26.6–.57 56.0S–.20 28.0W–.20 121 4.2b 50 17-152
ISCJB II 24 11 55 24.8–.49 56.06S–.08 28.0W–.20 121 4.3b **¶12701740**
NEIC II 24 11 55 31.0–1.2 56.02S 28.10W 166–10 4.9b
IDC II 24 11 55 30.2–1.7 56.01S 28.04W 158–14 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=9.5km az=153.5.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.0km az=51.0.
IDC Error ellipse: s-maj=17.3km s-min=13.2km az=62.0.
ISC II 27 00 11 28.9–.53 58.0S–.10 25.9W–.10 64 4.2b 45 15-152
NEIC II 27 00 11 25.9–.38 57.83S 25.90W 35 4.6b **¶12701959**
ISCJB II 27 00 11 26.6–.65 58.0S–.10 25.8W–.30 64 4.2b
IDC II 27 00 11 27.1–2.7 57.84S 25.94W 44–22 4.0,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.6km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=10.5km az=153.2.
IDC Error ellipse: s-maj=23.3km s-min=18.7km az=64.0.
IDC II 28 06 58 59.3–1.8 58.84S 25.29W 0 3.8,3.8
¶15957507
IDC Error ellipse: s-maj=103.7km s-min=68.3km az=149.0.
IDC II 28 10 36 47.3–8.1 56.04S 27.72W 171–72 3.8,3.7
¶15957513
IDC Error ellipse: s-maj=37.6km s-min=21.2km az=83.0.
IDC II 28 14 05 29.7–.72 59.53S 25.69W 0 4.2,4.1
¶15957524
IDC Error ellipse: s-maj=29.5km s-min=19.0km az=60.0.
ISC II 28 14 33 06.4–.16 60.57S–.04 24.92W–.04 15 6.1b,6.0s 1167 18-172
BJI II 28 14 33 03.4 60.50S 24.80W 20 6.4s,6.3b **¶11730856**
IDC II 28 14 33 04.5–.29 60.60S 24.86W 0 6.1s,6.0
ISCJB II 28 14 33 05.2–.16 60.52S–.03 24.83W–.06 15 6.0s,5.9b
NEIC II 28 14 33 06.3–.12 60.53S 24.80W 15 6.3W,6.3W
MOS II 28 14 33 08.5–1.1 60.56S 24.91W 33 6.1b,6.0s
DJA II 28 14 33 12.0–5.4 60S–22 25W–36 43–53 6.5b,6.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s200.00000°,δ85.00000°,λ-110.00000°. NP2: ϕ_s97.00000°,δ21.00000°,λ-14.00000°. Principal axes: T Plg37.0000°,Azm308.0000° ; N Plg0.0000°,Azm0.0000°; P Plg46.0000°,Azm89.0000° Moment Tensor Solution. s35 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.02 $M_{\theta\theta}$1.14 $M_{\phi\phi}$0.88 $M_{r\theta}$0.14 $M_{\theta\phi}$1.69 $M_{\phi r}$1.72 Best double couple: NP1:ϕ_s202.00000°,δ64.00000°,λ-118.00000°. NP2:ϕ_s73.00000° ,δ37.00000°,λ-46.00000°. Principal axes: T 3.0500,Plg15.0000°,Azm312.0000° ; N -0.1300,Plg24.0000°,Azm215.0000°; P -2.9200,Plg60.0000°,Azm70.0000° M_o3.00000×10^{18}
ISC III 03 06 04 59.4–.26 56.39S–.06 26.96W–.06 101 5.3b 280 16-176
ISCJB III 03 06 04 58.3–.25 56.31S–.05 26.92W–.08 101 5.1b **¶11739003**
IDC III 03 06 05 00.1–.71 56.42S 27.00W 104–5 4.8,4.7
GCMT III 03 06 05 02.4–.20 56.45S 26.67W 95–1 5.3W,4.7
BJI III 03 06 05 02.6 56.30S 27.00W 133 5.1b,4.7
NEIC III 03 06 05 03.5–1.7 56.35S 27.06W 134–14 5.2b,4.7
DJA III 03 06 05 18.0–9.6 57S–43 24W–60 191–74 5.7b,5.2
ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s83,c117; s90,c151; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.37±.16 $M_{\theta\theta}$5.87±.18; $M_{\phi\phi}$-4.50±.17; $M_{r\theta}$-3.24±.12; $M_{\theta\phi}$5.96±.17; $M_{\phi r}$4.83±.11; Best double couple: NP1:ϕ_s206.00000°,δ63.00000°,λ-161.00000°. NP2:ϕ_s107.00000°,δ73.00000°,λ-28.00000°. Principal axes: T 8.7000,Plg7.0000° ,Azm158.0000°; N 2.1000,Plg58.0000°,Azm259.0000°; P -10.7000,Plg32.0000° ,Azm64.0000° M_o9.70000×10^{16}
NEIC Event type se.
ISC III 03 15 40 17.1–.82 59.1S–.20 29.2W–.20 10 4.4b 12 15-152
IDC III 03 15 40 15.5–.95 59.12S 29.15W 0 4.2,4.2 **¶12702360**
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=30.6km az=7.0.
ISC III 03 17 27 23.7–.68 56.3S–.10 27.0W–.20 101 4.2b 15 17-151
ISCJB III 03 17 27 22.2–.74 56.3S–.10 26.9W–.30 101 4.2b **¶12702369**
IDC III 03 17 27 24.0–.76 56.34S 26.90W 104–6 4.1,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.5km s-min=12.4km az=158.7.
IDC Error ellipse: s-maj=22.8km s-min=17.5km az=78.0.
IDC III 04 01 53 08.3–1.7 59.67S 25.29W 0 4.0,3.9
¶12702395
IDC Error ellipse: s-maj=82.1km s-min=38.5km az=170.0.
IDC III 04 10 56 03.8–5.7 59.09S 26.40W 0 3.8s,3.8
¶12702418
IDC Error ellipse: s-maj=276.2km s-min=67.6km az=149.0.
IDC III 04 23 13 42.6–1.6 58.89S 25.03W 0 3.9b,3.9
¶12702460
IDC Error ellipse: s-maj=91.5km s-min=60.3km az=143.0.
IDC III 06 01 12 40.8–11 56.28S 26.15W 194–108 3.7,3.5b
¶12702530
IDC Error ellipse: s-maj=40.0km s-min=23.9km az=83.0.
ISC III 06 23 03 45.4–.49 55.8S–.10 27.1W–.10 63 4.6b 52 20-151
IDC III 06 23 03 37.3–.54 55.78S 27.00W 0 4.6,4.5b **¶12702598**
ISCJB III 06 23 03 43.4–.48 55.82S–.09 27.1W–.20 63 4.4b,4.5b
NEIC III 06 23 03 43.4–3.2 55.81S 27.07W 47–29 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=16.7km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=11.4km az=44.8.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.2km az=222.0.
IDC III 07 09 12 56.0–3.3 59.66S 25.21W 0 4.0,3.8b
¶12702628
IDC Error ellipse: s-maj=118.1km s-min=42.8km az=172.0.
IDC III 07 10 06 24.1–11 56.42S 26.51W 122–107 3.9,3.8b
¶12702633
IDC Error ellipse: s-maj=39.9km s-min=24.1km az=75.0.
IDC III 11 17 20 08.7–1.1 59.58S 25.42W 0 4.1,3.9b
¶12702992
IDC Error ellipse: s-maj=32.9km s-min=21.1km az=67.0.
ISC III 11 22 36 44.5–.49 59.6S–.10 25.1W–.10 27 4.5b 54 15-153
IDC III 11 22 36 40.5–.56 59.58S 25.08W 0 4.4,4.3 **¶12703020**
ISCJB III 11 22 36 42.6–.50 59.60S–.10 25.1W–.20 27 4.3b,3.5s
NEIC III 11 22 36 45.7–.33 59.58S 25.16W 35 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=16.8km az=5.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=11.5km az=15.4.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.6km az=190.0.
ISC III 12 05 18 08.8–.30 60.81S–.07 23.92W–.06 10 5.0s,4.8b 168 9-162
ISCJB III 12 05 18 06.8–.32 60.79S–.06 23.8W–.10 10 5.0s,4.8b **¶11813815**
IDC III 12 05 18 06.9–.43 60.80S 23.91W 0 4.9s,4.9
NEIC III 12 05 18 08.3–.25 60.86S 23.81W 10 5.2b,4.9
MOS III 12 05 18 10.8–1.2 60.83S 24.00W 33 5.4b,4.9
BJI III 12 05 18 10.5 60.80S 23.90W 10 5.5b,5.2s
GCMT III 12 05 18 13.5–.10 61.15S 23.54W 15–0 5.5W,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=8.2km az=31.4.
IDC Error ellipse: s-maj=16.2km s-min=13.6km az=17.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.7km az=216.0.
MOS Error ellipse: s-maj=28.4km s-min=14.1km az=97.1.
GCMT Event type se. Data Used: II IC G IU CN. Surface waves from 112 sta. Moment Tensor Solution. s77,c140; s99,c210; Moment tensor: Scale 10^{17}Nm; M_{rr}0.02±.02 $M_{\theta\theta}$-0.31±.03; $M_{\phi\phi}$0.29±.02; $M_{r\theta}$0.26±.05; $M_{\theta\phi}$1.94±.03; $M_{\phi r}$-0.01±.04; Best double couple: NP1: ϕ_s356.00000°,δ83.00000°,λ-179.00000°. NP2:ϕ_s265.00000°,δ89.00000°,λ-7.00000°. Principal axes: T 1.9700,Plg5.0000°,Azm311.0000°; N 0.0300,Plg82.0000°,Azm80.0000° ; P -1.9900,Plg6.0000°,Azm220.0000° M_o2.00000×10^{17}
IDC III 12 17 13 13.9–.79 55.99S 27.36W 0 4.2,4.0b
¶12703093
IDC Error ellipse: s-maj=44.0km s-min=23.5km az=87.0.
IDC III 13 04 45 08.0–.76 55.97S 26.81W 0 4.1,3.9b
¶12703139
IDC Error ellipse: s-maj=38.1km s-min=23.5km az=86.0.
ISC III 14 13 29 08.4–.56 58.0S–.10 25.6W–.20 49 4.4b,3.5s 24 15-152
IDC III 14 13 29 01.5–.59 57.87S 25.46W 0 4.4,4.4 **¶12703260**
ISCJB III 14 13 29 06.3–.67 58.0S–.10 25.4W–.40 49 4.3b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC III 15 00 03 05.6–.69 61.0S–.10 23.9W–.10 10 4.0b,3.9s 14 12-154
ISCJB III 15 00 03 03.0–.66 61.1S–.10 24.0W–.30 10 4.0s,3.8b **¶12703304**
IDC III 15 00 03 04.6–.88 60.82S 24.01W 0 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=10.1km az=143.0.
IDC Error ellipse: s-maj=31.8km s-min=22.1km az=12.0.
IDC III 19 15 39 48.7–10 56.10S 27.39W 141–91 3.7,3.6b
¶12703692
IDC Error ellipse: s-maj=39.2km s-min=25.6km az=67.0.
IDC III 19 23 50 13.3–.77 56.14S 27.60W 92–6 3.6,3.5b
¶12703750
IDC Error ellipse: s-maj=51.1km s-min=20.7km az=96.0.
ISC III 20 12 44 29.5–.51 57.0S–.10 25.3W–.10 35 4.7b,3.9s 57 15-153
IDC III 20 12 44 24.4–.67 56.86S 25.18W 0 4.7,4.5 **¶12703815**
ISCJB III 20 12 44 28.6–.57 56.89S–.09 25.4W–.30 35 4.6b,4.0s
NEIC III 20 12 44 30.8–2.6 56.89S 25.33W 44–23 4.9b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=18.1km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=7.0km az=150.7.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=9.1km az=45.0.
ISC III 20 16 01 14.4–.40 58.66S–.06 24.95W–.05 26–2 5.1b,4.9s 551 8-174
ISCJB III 20 16 01 12.4–.31 58.67S–.05 24.9W–.10 26 5.0b,4.9s **¶12053437**
MOS III 20 16 01 14.4–1.4 58.74S 25.02W 33 5.4b,4.9s
IDC III 20 16 01 14.9–1.5 58.64S 25.17W 28–9 4.8s,4.8
NEIC III 20 16 01 14.4–.13 58.69S 24.85W 26 5.2b,4.8
GCMT III 20 16 01 19.8–.20 59.03S 24.76W 30–0 5.4W,4.8
BJI III 20 16 01 19.2 58.60S 25.20W 55 5.3s,5.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.8km az=146.4.
MOS Error ellipse: s-maj=26.1km s-min=11.7km az=101.8.
IDC Error ellipse: s-maj=15.7km s-min=12.2km az=64.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.9km az=225.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c124; s87,c150; Moment tensor: Scale 10^{17}Nm; M_{rr}1.02±.04 $M_{\theta\theta}$0.54±.03; $M_{\phi\phi}$-1.57±.03; $M_{r\theta}$0.04±.05; $M_{\theta\phi}$-0.23±.02; $M_{\phi r}$0.52±.04; Best double couple: NP1:ϕ_s188.00000°,δ34.00000°,λ93.00000°. NP2:ϕ_s5.00000°,δ56.00000°,λ88.00000°. Principal axes: T 1.1200,Plg79.0000° ,Azm268.0000°; N 0.5700,Plg1.0000°,Azm6.0000°; P -1.7000,Plg11.0000°,Azm96.0000° M_o1.40000×10^{17}
ISC III 20 23 17 55.2–.40 60.80S–.08 24.67W–.09 10 4.6b,4.1s 67 12-154
ISCJB III 20 23 17 53.1–.39 60.88S–.06 24.7W–.10 10 4.5b,4.2s **¶12703859**
IDC III 20 23 17 54.2–.47 60.63S 24.75W 0 5.8L,4.6
NEIC III 20 23 17 59.2–.27 60.67S 24.84W 35 4.7b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.2km az=143.7.
IDC Error ellipse: s-maj=17.0km s-min=16.5km az=40.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.4km az=176.0.

ISC III 21 09 15 28.6–.42 60.46S–.08 24.6W–.10 10 4.6b,4.0s 62 12-154
ISCJB III 21 09 15 26.5–.43 60.63S–.07 24.6W–.20 10 4.5b,4.0s **¶12635170**
IDC III 21 09 15 27.3–.53 60.46S 24.63W 0 4.6,4.5
NEIC III 21 09 15 28.7–.31 60.52S 24.55W 10 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=8.6km az=145.9.
IDC Error ellipse: s-maj=19.7km s-min=16.8km az=60.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.2km az=55.0.
IDC III 21 21 36 59.3–1.3 59.96S 26.48W 0 4.0,3.9b
¶12635222
IDC Error ellipse: s-maj=52.2km s-min=40.2km az=45.0.
IDC III 22 08 57 46.3–1.1 58.59S 29.71W 0 4.1,4.0b
¶12635275
IDC Error ellipse: s-maj=47.9km s-min=31.7km az=15.0.
ISC III 22 18 21 43.4–.92 57.3S–.20 25.8W–.30 43 3.8b 9 16-152
ISCJB III 22 18 21 42.2–1.1 57.3S–.20 25.7W–.50 43 3.8b **¶12635313**
IDC III 22 18 21 48.5–12 57.34S 25.80W 85–106 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=43.6km s-min=16.2km az=159.0.
IDC Error ellipse: s-maj=42.3km s-min=29.8km az=75.0.
IDC III 25 07 35 05.1–.68 60.64S 24.99W 0 4.2,4.1
¶12635533
IDC Error ellipse: s-maj=21.5km s-min=20.6km az=59.0.
ISC III 25 11 05 09.1–3.0 60.4S–.20 27.7W–.50 10 4.2b 6 13-151
ISCJB III 25 11 05 07.3–3.6 60.5S–.10 28W–1.0 10 4.1b **¶12635546**
IDC III 25 11 05 07.6–3.4 60.38S 27.73W 0 4.1b,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=90.1km s-min=18.7km az=175.7.
IDC Error ellipse: s-maj=90.6km s-min=78.6km az=23.0.
ISC III 26 19 50 07.4–.72 56.5S–.10 25.9W–.20 33 4.3b 14 16-151
ISCJB III 26 19 50 05.8–.76 56.54S–.10 25.8W–.20 33 4.3s,4.3b **¶12635650**
IDC III 26 19 50 09.2–6.8 56.49S 25.86W 47–65 4.4,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=12.5km az=153.4.
IDC Error ellipse: s-maj=26.7km s-min=20.8km az=54.0.
IDC III 26 23 07 34.1–3.3 54.77S 30.57W 0 3.8,3.6b
¶12635656
IDC Error ellipse: s-maj=118.1km s-min=48.2km az=176.0.
ISC III 28 08 42 07.9–.66 55.5S–.10 26.8W–.20 25 4.3b 25 17-150
IDC III 28 08 42 04.0–.71 55.48S 26.79W 0 4.1b,4.1 **¶12635759**
ISCJB III 28 08 42 06.2–.71 55.4S–.10 26.8W–.30 25 4.1b,3.9s
NEIC III 28 08 42 09.5–.55 55.45S 26.84W 35 4.4b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=18.5km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=26.5km s-min=11.9km az=158.9.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=13.8km az=72.0.
ISC III 28 12 21 10.5–.93 57.0S–.20 25.1W–.30 10 4.1b 9 16-152
ISCJB III 28 12 21 09.1–1.1 56.9S–.10 25.0W–.50 10 4.1b **¶12635771**
IDC III 28 12 21 09.0–1.0 56.95S 25.03W 0 4.3,4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=43.2km s-min=15.1km az=158.0.
IDC Error ellipse: s-maj=42.3km s-min=32.6km az=77.0.
ISC III 29 20 07 52.6–.89 58.7S–.20 25.1W–.30 28 4.0b 11 14-153
IDC III 29 20 07 48.6–.89 58.61S 25.25W 0 4.2,4.0 **¶12635886**
ISCJB III 29 20 07 51.0–.96 58.8S–.10 25.0W–.50 28 3.9b,3.8s
ISC Event type ke.
ISCJB Event type ke.
IDC IV 02 04 02 07.0–.99 55.73S 26.66W 0 4.1,3.9
¶16152255
IDC Error ellipse: s-maj=33.3km s-min=30.1km az=95.0.
IDC IV 02 06 58 17.1–1.1 55.79S 27.17W 0 3.8,3.7
¶16152260
IDC Error ellipse: s-maj=41.5km s-min=24.3km az=74.0.
ISC IV 02 16 14 01.4–.96 55.8S–.20 26.4W–.20 35 3.7b 9 17-150
IDC IV 02 16 13 56.1–1.2 55.80S 26.26W 0 3.8,3.7 **¶16152276**
ISCJB IV 02 16 13 59.8–.96 55.7S–.10 26.4W–.40 35 3.7s,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 03 09 11 47.9–.93 59.51S–.07 26.32W–.06 32–6 5.0b,4.5s 318 13-173
ISCJB IV 03 09 11 43.3–.32 59.60S–.06 26.3W–.10 10 4.9b,4.7s **¶12085170**
MOS IV 03 09 11 46.9–1.1 59.58S 26.30W 33 5.1b,4.7s
NEIC IV 03 09 11 48.3–.19 59.55S 26.25W 35 5.1W,5.0b
IDC IV 03 09 11 51.9–1.2 59.57S 26.44W 65–9 4.7,4.6
GCMT IV 03 09 11 54.6–.20 60.08S 25.94W 46–0 5.2W,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.4km az=136.4.
MOS Error ellipse: s-maj=23.6km s-min=12.4km az=106.3.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.2km az=25.0. Moment Tensor Solution. s17 Moment tensor: Scale 10^{16}Nm; M_{rr}5.87 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-5.57 $M_{r\theta}$-0.45 $M_{\theta\phi}$-1.44 $M_{\phi r}$1.62 Best double couple: NP1:ϕ_s7.00000°,δ52.00000°,λ80.00000°. NP2:ϕ_s202.00000°,δ39.00000°,λ102.00000°. Principal axes: T 6.1600,Plg79.0000°,Azm235.0000°; N -0.0400,Plg7.0000°,Azm12.0000°; P -6.1200,Plg6.0000°,Azm103.0000° $M_0$6.10000×10^{16}
IDC Error ellipse: s-maj=13.6km s-min=10.1km az=40.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s65,c95; s85,c131; Moment tensor: Scale 10^{16}Nm; M_{rr}5.57±.23 $M_{\theta\theta}$1.15±.19; $M_{\phi\phi}$-6.72±.18; $M_{r\theta}$-2.50±.17; $M_{\theta\phi}$-3.95±.13; $M_{\phi r}$2.48±.18; Best double couple: NP1:ϕ_s232.00000°,δ48.00000°,λ136.00000°. NP2:ϕ_s354.00000°,δ59.00000°,λ51.00000°. Principal axes: T 7.8000,Plg57.0000°,Azm210.0000°; N 0.6900,Plg33.0000°,Azm17.0000°; P -8.5000,Plg6.0000°,Azm111.0000° $M_0$8.20000×10^{16}
ISC IV 03 10 07 03.0–1.2 59.8S–.20 24.1W–.40 10 3.9b 8 13-154
IDC IV 03 10 06 59.0–.88 59.60S 26.09W 0 4.0,3.9b **¶16152307**
ISC Event type ke.
IDC Error ellipse: s-maj=44.5km s-min=22.8km az=83.0.
ISC IV 04 18 39 19.1–.35 56.00S–.05 27.95W–.05 107–2 5.1b 470 17-176
DJA IV 04 18 39 06.9–1.4 56S–13 28W–23 10 6.1b,5.7 **¶12088272**
ISCJB IV 04 18 39 16.5–2.0 55.99S–.05 27.75W–.09 89–18 5.1b,5.7
MOS IV 04 18 39 17.5–1.0 56.01S 27.68W 97 5.7b,5.7
NEIC IV 04 18 39 17.2–.16 55.98S 27.73W 87 5.5b,5.4W
IDC IV 04 18 39 21.4–.77 55.99S 27.79W 120–5 4.8,4.8
GCMT IV 04 18 39 22.4–.10 56.08S 27.54W 89–1 5.5W,4.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=6.7km az=42.2.
MOS Error ellipse: s-maj=19.7km s-min=10.5km az=102.2.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.6km az=217.0. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}0.57 $M_{\theta\theta}$-1.09 $M_{\phi\phi}$0.53 $M_{r\theta}$-0.92 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.63 Best double couple: NP1:ϕ_s143.00000°,δ41.00000°,λ158.00000°. NP2:ϕ_s250.00000°,δ76.00000°,λ51.00000°. Principal axes: T 1.5900,Plg44.0000°,Azm121.0000°; N -0.0500,Plg37.0000°,Azm260.0000°; P -1.5300,Plg21.0000°,Azm8.0000° $M_0$1.60000×10^{17}
IDC Error ellipse: s-maj=11.1km s-min=8.1km az=30.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 99, comp=197, per= 50. Moment Tensor Solution. s88,c160; s12,c12; Moment tensor: Scale 10^{17}Nm; M_{rr}0.19±.03 $M_{\theta\theta}$-0.48±.03; $M_{\phi\phi}$0.29±.03; $M_{r\theta}$-1.19±.02; $M_{\theta\phi}$1.50±.03; $M_{\phi r}$-0.52±.02; Best double couple: NP1:ϕ_s169.00000°,δ52.00000°,λ171.00000°. NP2:ϕ_s264.00000°,δ83.00000°,λ38.00000°. Principal axes: T 2.1500,Plg31.0000°,Azm134.0000°; N -0.2800,Plg51.0000°,Azm273.0000°; P -1.8800,Plg20.0000°,Azm31.0000° $M_0$2.00000×10^{17}
IDC IV 05 04 28 47.0–2.4 55.71S 26.01W 0 3.7b,3.6
¶16152399
IDC Error ellipse: s-maj=132.7km s-min=29.0km az=95.0.
ISC IV 06 21 01 41.8–.42 55.14S–.08 28.2W–.10 10 4.6b,3.9s 64 18-152
ISCJB IV 06 21 01 39.9–.45 55.16S–.07 28.2W–.20 10 4.5b,3.8s **¶12934616**
IDC IV 06 21 01 40.2–.53 55.14S 28.19W 0 4.5,4.5
NEIC IV 06 21 01 45.4–.22 55.21S 28.29W 35 4.6b,4.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=9.2km az=159.6.
IDC Error ellipse: s-maj=18.0km s-min=16.2km az=44.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.5km az=62.0.
IDC IV 06 21 34 12.4–.96 55.21S 28.61W 0 4.0,3.9b
¶16152479
IDC Error ellipse: s-maj=33.0km s-min=28.0km az=35.0.
IDC IV 06 23 49 44.0–1.2 55.24S 28.19W 0 3.7,3.7b
¶16152483
IDC Error ellipse: s-maj=53.3km s-min=31.4km az=53.0.
ISC IV 08 11 32 13.3–.77 56.1S–.10 25.6W–.20 10 4.2b 24 18-151
ISCJB IV 08 11 32 11.7–.88 56.1S–.10 25.7W–.30 10 4.0b **¶12934807**
IDC IV 08 11 32 11.8–.91 56.13S 25.63W 0 4.1,4.1b
NEIC IV 08 11 32 17.0–.50 56.14S 25.68W 35 4.4b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.3km s-min=12.5km az=149.7.
IDC Error ellipse: s-maj=29.3km s-min=19.0km az=74.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=9.6km az=60.0.
ISC IV 08 19 13 05.5–.70 57.9S–.10 25.3W–.20 49 3.8b 17 15-153
IDC IV 08 19 12 58.6–.67 57.82S 25.50W 0 3.9,3.9 **¶16152556**
ISCJB IV 08 19 13 04.0–.78 57.81S–.09 25.6W–.40 49 3.8b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC IV 08 19 13 13.2–.56 57.84S 25.66W 0 4.3,4.2
¶16152559
IDC Error ellipse: s-maj=24.6km s-min=18.8km az=87.0.
IDC IV 09 21 29 24.3–10 56.12S 27.39W 154–91 3.9,3.7
¶16152604
IDC Error ellipse: s-maj=36.7km s-min=22.7km az=72.0.
ISC IV 11 12 00 05.4–.77 60.5S–.20 27.0W–.20 19 4.0b 13 13-153
IDC IV 11 12 00 02.6–1.7 60.44S 26.97W 0 3.9,3.9 **¶16152663**
ISCJB IV 11 12 00 03.4–.70 60.5S–.10 26.9W–.40 19 3.8b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC IV 11 17 14 36.4–.23 59.68S–.06 26.39W–.05 61 5.0b 355 13-173
MOS IV 11 17 14 31.8–1.3 59.61S 26.17W 33 5.2b,4.4s **¶12581880**
ISCJB IV 11 17 14 34.6–.27 59.68S–.05 26.2W–.10 61 5.0b,4.4s
IDC IV 11 17 14 34.8–1.4 59.56S 26.32W 47–11 5.7L,4.8
NEIC IV 11 17 14 36.7–1.4 59.60S 26.27W 68–11 5.1b,4.8
BJI IV 11 17 14 38.0 59.60S 26.30W 65 5.4b,5.3s
GCMT IV 11 17 14 39.9–.20 60.13S 26.04W 47–1 5.2W,5.3s
ISC Event type se.
MOS Error ellipse: s-maj=23.7km s-min=10.9km az=98.8.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.0km az=138.6.
IDC Error ellipse: s-maj=14.5km s-min=12.0km az=49.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.5km az=220.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c91; s80,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}4.90±.23 $M_{\theta\theta}$2.08±.22; $M_{\phi\phi}$-6.98±.19; $M_{r\theta}$-2.63±.18; $M_{\theta\phi}$-3.65±.14; $M_{\phi r}$2.63±.17; Best double couple: NP1:ϕ_s232.00000°,δ50.00000°,λ142.00000°. NP2:ϕ_s348.00000°,δ62.00000°,λ47.00000°. Principal axes: T 7.6700,Plg52.0000°,Azm207.0000°; N 0.8000,Plg37.0000°,Azm12.0000°; P -8.4700,Plg7.0000°,Azm107.0000° $M_0$8.10000×10^{16}
ISC IV 12 12 37 14.4–1.0 56.24S–.07 27.34W–.07 119–7 4.8b 196 17-176
ISCJB IV 12 12 37 10.0–2.2 56.16S–.07 27.2W–.10 93–20 4.8b **¶12582080**
BJI IV 12 12 37 12.4 56.20S 27.10W 119 5.0b
IDC IV 12 12 37 13.8–2.2 56.19S 27.17W 112–19 4.6,4.6
NEIC IV 12 12 37 14.6–1.4 56.20S 27.19W 122–12 4.9b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=8.8km az=40.6.
IDC Error ellipse: s-maj=12.6km s-min=10.2km az=56.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=222.0.
ISC IV 12 12 40 38.8–.69 60.6S–.10 28.2W–.20 10 4.3b,3.9s 28 13-153
ISCJB IV 12 12 40 37.6–.75 60.4S–.10 28.0W–.30 10 4.2b,4.0s **¶12935094**
IDC IV 12 12 40 37.2–1.0 60.51S 28.21W 0 4.3,4.2
NEIC IV 12 12 40 42.8–2.7 60.54S 28.12W 38–25 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=13.8km az=138.6.
IDC Error ellipse: s-maj=37.3km s-min=22.8km az=29.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=14.1km az=218.0.
ISC IV 16 14 57 06.2–.50 60.29S–.03 27.03W–.03 18–2 6.8s,6.0b 1546 13-177
IDC IV 16 14 57 02.8–.22 60.17S 26.96W 0 6.7s,6.7 **¶12601058**
ISCJB IV 16 14 57 03.4–.16 60.28S–.04 26.97W–.06 10 6.8s,6.0b
BJI IV 16 14 57 04.2 60.20S 26.80W 20 7.0s,6.8
NEIC IV 16 14 57 06.2–.12 60.20S 26.86W 20 6.8s,6.8
MOS IV 16 14 57 07.9–1.4 60.30S 27.10W 33 6.8s,6.2b
DJA IV 16 14 57 15.2–2.7 61S–12 26W–18 50–19 6.7b,6.6
GCMT IV 16 14 57 16.2–.10 60.71S 26.55W 24–0 6.7W,6.6
ISC Event type se.
IDC Error ellipse: s-maj=9.9km s-min=7.3km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.2km az=23.4.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.6km az=44.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ70.00000°,λ65.00000°. NP2:ϕ_s244.00000°,δ32.00000°,λ139.00000°. Principal axes: T Plg58.0000°,Azm246.0000°; N Plg0.0000°,Azm0.0000°; P Plg21.0000°,Azm119.0000° Moment Tensor Solution. s48 Moment tensor: Scale 10^{18}Nm; M_{rr}6.41 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-6.52 $M_{r\theta}$1.00 $M_{\theta\phi}$-2.57 $M_{\phi r}$5.53 Best double couple: NP1:ϕ_s13.00000°,δ65.00000°,λ84.00000°. NP2:ϕ_s206.00000°,δ26.00000°,λ102.00000°. Principal axes: T 8.4500,Plg69.0000°,Azm270.0000°; N 0.9100,Plg5.0000°,Azm15.0000°; P -9.3600,Plg19.0000°,Azm107.0000° $M_0$8.90000×10^{18} Moment Tensor Solution. $M_0$4.60000×10^{18}
MOS Error ellipse: s-maj=20.7km s-min=9.8km az=96.4.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 112 sta. Surface waves: sta=118, comp=281, per= 50. Moment Tensor Solution. s117,c299; s99,c240; Moment tensor: Scale 10^{19}Nm; M_{rr}1.06±.01 $M_{\theta\theta}$-0.24±.01; $M_{\phi\phi}$-0.82±.01; $M_{r\theta}$0.10±.01; $M_{\theta\phi}$-0.62 $M_{\phi r}$0.64±.01; Best double couple: NP1:ϕ_s226.00000°,δ33.00000°,λ113.00000°. NP2:ϕ_s20.00000°,δ60.00000°,λ76.00000°. Principal axes: T 1.2700,Plg71.0000°,Azm258.0000°; N 0.0900,Plg12.0000°,Azm27.0000°; P -1.3600,Plg14.0000°,Azm120.0000° $M_0$1.30000×10^{19}
ISC IV 16 15 03 40.6–.33 60.44S–.07 26.85W–.08 19 4.9b 117 13-154
IDC IV 16 15 03 37.8–.41 60.33S 27.11W 0 4.9,4.9 **¶12935358**
ISCJB IV 16 15 03 38.7–.38 60.46S–.07 27.0W–.20 19 4.8b,4.9
NEIC IV 16 15 03 40.7–1.9 60.38S 26.92W 20–11 5.0b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=15.1km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.5km az=141.7.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.7km az=218.0.
ISC IV 16 15 13 20.8–.41 60.27S–.09 26.89W–.10 26 4.5b 67 13-153
IDC IV 16 15 13 16.9–.50 60.27S 27.08W 0 4.5,4.4 **¶12935356**
NEIC IV 16 15 13 18.2–.33 60.24S 26.94W 10 5.0b,4.4
ISCJB IV 16 15 13 19.1–.45 60.38S–.08 26.9W–.20 26 4.5b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 16 19 36 45.9–.44 60.52S–.09 26.6W–.10 19 4.6b,4.2s 67 13-154
IDC IV 16 19 36 43.3–.49 60.22S 26.84W 0 4.6,4.5 **¶12935345**
ISCJB IV 16 19 36 44.2–.50 60.40S–.09 26.9W–.20 19 4.5b,4.2s
NEIC IV 16 19 36 45.1–5.0 60.28S 26.95W 13–30 4.9b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=15.9km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=8.5km az=148.4.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.4km az=52.0.
ISC IV 16 20 43 32.6–.86 60.9S–.10 26.8W–.20 10 4.0b 12 12-153
ISCJB IV 16 20 43 31.4–.90 60.7S–.10 26.7W–.30 10 4.0b **¶16152859**
IDC IV 16 20 43 32.7–1.4 60.56S 26.94W 0 6.0L,4.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=10.2km az=143.7.
IDC Error ellipse: s-maj=38.9km s-min=30.3km az=10.0.
IDC IV 16 22 36 44.0–10 60.56S 27.90W 335–122 3.4,3.3
¶16152862
IDC Error ellipse: s-maj=34.0km s-min=17.9km az=37.0.
ISC IV 17 00 57 53.6–.45 60.21S–.09 26.68W–.10 19 4.5b,3.6s 60 13-153
IDC IV 17 00 57 50.8–.55 60.14S 26.75W 0 4.8L,4.4 **¶12935508**
ISCJB IV 17 00 57 51.1–.48 60.35S–.08 26.7W–.20 19 4.3b,3.7s
NEIC IV 17 00 57 55.9–.40 60.14S 26.91W 35 4.5b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=18.4km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=7.8km az=143.6.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=12.2km az=220.0.
ISC IV 17 01 33 28.2–.55 60.6S–.10 26.9W–.10 19 4.3b 40 13-154

ISCJB IV 17 01 33 25.8–.46 60.67S–.09 26.8W–.20 19 4.2b,3.5s ¶12935504
IDC IV 17 01 33 26.3–.69 60.23S 26.92W 0 4.2,4.0
NEIC IV 17 01 33 27.8–.27 60.25S 26.87W 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=7.9km az=136.4.
IDC Error ellipse: s-maj=22.4km s-min=19.1km az=42.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.0km az=17.0.
ISC IV 17 03 46 39.1–1.0 60.7S–.20 27.1W–.30 19 3.5b 7 13-140
ISCJB IV 17 03 46 36.9–.91 60.8S–.20 27.0W–.50 19 3.5b ¶16152879
IDC IV 17 03 46 37.8–1.3 60.32S 27.01W 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=44.8km s-min=12.4km az=146.4.
IDC Error ellipse: s-maj=40.4km s-min=29.4km az=72.0.
ISC IV 17 04 52 07.7–.46 60.3S–.10 26.79W–.10 26 4.3b 55 13-153
IDC IV 17 04 52 04.3–.63 60.05S 26.69W 0 4.3,4.2 ¶12935497
ISCJB IV 17 04 52 05.6–.44 60.36S–.08 26.7W–.20 26 4.3b,4.2s
NEIC IV 17 04 52 05.6–.31 60.12S 26.75W 10 4.5b,4.2s
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=19.2km az=36.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=8.3km az=136.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.8km az=198.0.
IDC IV 17 09 30 02.6–2.4 60.36S 27.03W 0 4.0,3.8
¶16152896
IDC Error ellipse: s-maj=86.5km s-min=46.0km az=6.0.
ISC IV 17 22 56 35.9–1.9 60.2S–.20 24.3W–.60 10 7 12-149
IDC IV 17 22 56 33.4–4.4 60.69S 22.19W 0 3.5,3.5 ¶16152954
ISC Event type ke.
IDC Error ellipse: s-maj=235.7km s-min=96.3km az=90.0.
IDC IV 17 23 48 45.8–1.7 56.64S 27.34W 0 4.1,4.0
¶16152956
IDC Error ellipse: s-maj=64.1km s-min=38.3km az=168.0.
ISC IV 18 07 41 57.1–1.9 61.1S–.60 26.4W–.50 10 4 12-154
IDC IV 18 07 41 58.8–1.8 60.22S 27.56W 0 3.9,3.8 ¶16152974
ISC Event type ke.
IDC Error ellipse: s-maj=78.7km s-min=48.6km az=25.0.
IDC IV 18 07 47 09.4–1.9 59.63S 26.89W 0 3.9,3.8
¶16152975
IDC Error ellipse: s-maj=80.2km s-min=45.4km az=10.0.
ISC IV 18 08 04 07.4–1.4 61.1S–.20 22.8W–.50 10 8 11-151
IDC IV 18 08 04 06.4–2.0 60.92S 22.93W 0 3.9,3.9 ¶16152977
ISC Event type ke.
IDC Error ellipse: s-maj=99.5km s-min=77.4km az=126.0.
ISC IV 18 10 51 02.9–.76 60.6S–.20 27.0W–.20 10 3.8b 14 13-153
IDC IV 18 10 51 00.9–1.4 60.74S 26.96W 0 3.8,3.7 ¶16152981
ISCJB IV 18 10 51 01.5–.64 60.6S–.10 26.9W–.30 10 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC IV 19 13 16 22.0–1.3 55.64S 26.47W 0 3.9b,3.5
¶16153055
IDC Error ellipse: s-maj=68.8km s-min=40.3km az=82.0.
IDC IV 19 17 27 17.8–1.4 56.27S 27.54W 0 3.8,3.8b
¶16153080
IDC Error ellipse: s-maj=87.5km s-min=53.5km az=103.0.
IDC IV 19 19 11 35.9–.63 58.31S 25.56W 0 4.4,4.4b
¶16153086
IDC Error ellipse: s-maj=30.3km s-min=21.8km az=63.0.
IDC IV 19 21 43 09.5–1.8 60.71S 26.76W 0 4.2,4.0b
¶16153093
IDC Error ellipse: s-maj=70.6km s-min=37.6km az=17.0.
IDC IV 20 13 57 33.4–1.0 55.99S 26.17W 0 3.9,3.8b
¶16153147
IDC Error ellipse: s-maj=44.0km s-min=26.6km az=74.0.
IDC IV 20 14 57 31.3–5.5 55.98S 27.69W 140–50 4.1,4.0
¶16153151
IDC Error ellipse: s-maj=26.5km s-min=15.3km az=58.0.
ISC IV 21 15 23 47.8–.67 55.9S–.10 27.7W–.20 112 4.2b 20 17-151
ISCJB IV 21 15 23 46.6–.78 56.0S–.10 27.5W–.40 112 4.2b ¶16153219
IDC IV 21 15 23 47.5–.74 55.93S 27.62W 104–6 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.6km s-min=12.0km az=153.2.
IDC Error ellipse: s-maj=26.0km s-min=13.5km az=69.0.
ISC IV 22 07 49 51.8–.70 59.6S–.10 26.1W–.20 10 4.1b 19 13-153
ISCJB IV 22 07 49 50.2–.69 59.6S–.10 26.1W–.30 10 4.0b ¶16153260
IDC IV 22 07 49 50.4–.72 59.58S 26.16W 0 4.2,4.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.4km s-min=8.7km az=144.7.
IDC Error ellipse: s-maj=25.5km s-min=17.0km az=59.0.
ISC IV 23 04 43 57.3–.99 58.8S–.20 25.6W–.20 35 4.0b 9 14-152
IDC IV 23 04 43 52.2–3.1 58.67S 25.56W 0 4.2,4.0 ¶16153293
ISC Event type ke.
IDC Error ellipse: s-maj=111.2km s-min=35.3km az=168.0.
ISC IV 24 08 44 00.9–.67 60.6S–.20 27.2W–.20 19 4.1b 25 13-153
ISCJB IV 24 08 43 58.9–.59 60.6S–.10 27.2W–.30 19 4.3s,4.1b ¶12936092
IDC IV 24 08 43 58.2–1.2 60.49S 27.10W 0 4.1,4.1
NEIC IV 24 08 43 59.2–.54 60.59S 27.15W 10 4.6b,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.7km s-min=9.9km az=144.4.
IDC Error ellipse: s-maj=47.2km s-min=21.8km az=19.0.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=12.0km az=41.0.
IDC IV 24 17 34 37.3–.95 55.31S 26.97W 0 4.0,3.8
¶16153345
IDC Error ellipse: s-maj=42.7km s-min=32.6km az=83.0.
IDC IV 25 10 12 52.4–.90 60.13S 26.58W 0 4.3L,4.2
¶16153371
IDC Error ellipse: s-maj=36.8km s-min=21.6km az=16.0.
IDC IV 26 03 22 14.1–4.2 59.29S 26.93W 0 3.8,3.7
¶16154503
IDC Error ellipse: s-maj=138.5km s-min=51.9km az=179.0.
ISC IV 27 04 34 54.9–.30 56.61S–.07 27.29W–.07 112 4.8b 158 17-161
NEIC IV 27 04 34 42.1–.26 56.42S 26.80W 10 4.7b ¶12749987
ISCJB IV 27 04 34 53.2–.36 56.56S–.06 27.0W–.10 112 4.8b
IDC IV 27 04 34 55.4–1.4 56.61S 27.06W 117–11 4.4,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.7km az=224.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.9km az=143.4.
IDC Error ellipse: s-maj=15.3km s-min=11.3km az=37.0.
ISC IV 27 05 30 04.2–.52 55.97S–.10 27.5W–.10 10 4.1b 47 17-151
ISCJB IV 27 05 30 03.1–.59 55.96S–.09 27.6W–.20 10 4.1b ¶12936315
IDC IV 27 05 30 03.0–.67 56.01S 27.53W 0 4.6L,4.5
NEIC IV 27 05 30 04.5–.50 55.94S 27.49W 10 4.3b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=9.6km az=145.5.
IDC Error ellipse: s-maj=31.6km s-min=17.5km az=66.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.9km az=55.0.
ISC IV 27 23 42 24.6–.54 59.8S–.10 26.3W–.10 10 4.1b 37 14-153
ISCJB IV 27 23 42 23.0–.52 59.83S–.09 26.3W–.20 10 4.0b,3.4s ¶12936254
IDC IV 27 23 42 23.4–.63 59.78S 26.36W 0 4.2,4.1
NEIC IV 27 23 42 24.6–.36 59.79S 26.34W 10 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=10.3km az=144.7.
IDC Error ellipse: s-maj=23.4km s-min=17.6km az=55.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.4km az=50.0.
IDC IV 29 13 14 22.5–3.5 55.82S 30.09W 0 4.0,3.8
¶16154624
IDC Error ellipse: s-maj=111.7km s-min=44.2km az=3.0.
ISC IV 29 15 53 38.6–.78 57.0S–.10 22.8W–.30 10 4.3b,3.5s 13 15-153
IDC IV 29 15 53 37.3–.84 56.85S 23.17W 0 4.3b,4.2 ¶16154630
ISCJB IV 29 15 53 37.1–.89 56.8S–.10 23.0W–.50 10 4.3b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC IV 30 15 39 08.2–1.6 56.22S 28.21W 0 4.2,4.2b
¶16154670
IDC Error ellipse: s-maj=88.4km s-min=62.2km az=150.0.
ISC IV 30 17 58 41.4–.57 56.0S–.10 27.1W–.20 63 4.3b 41 17-151
IDC IV 30 17 58 33.2–.63 55.97S 26.92W 0 4.3,4.2 ¶12936475
ISCJB IV 30 17 58 40.1–.59 56.0S–.10 27.1W–.30 63 4.2b,4.2
NEIC IV 30 17 58 41.2–2.8 56.04S 27.04W 60–25 4.7b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=16.8km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=24.9km s-min=10.3km az=146.9.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=9.5km az=49.0.
IDC V 02 12 09 53.9–2.5 56.08S 27.40W 0 3.8,3.7
¶16154835
IDC Error ellipse: s-maj=93.7km s-min=51.7km az=8.0.
ISC V 02 22 27 06.5–.27 58.95S–.07 25.68W–.07 35 4.8b,4.0s 196 14-174
IDC V 02 22 27 01.0–.38 58.93S 25.61W 0 4.8,4.8b ¶13439290
ISCJB V 02 22 27 04.9–.33 58.94S–.06 25.6W–.10 35 4.7b,4.2s
MOS V 02 22 27 05.2–.98 58.96S 25.60W 33 5.0b,4.2s
NEIC V 02 22 27 07.9–1.4 58.97S 25.59W 49–12 4.7b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=12.7km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=7.3km az=139.2.
MOS Error ellipse: s-maj=24.7km s-min=12.3km az=102.9.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.4km az=223.0.
IDC V 03 20 47 06.3–1.0 60.48S 24.42W 0 4.2,4.1b
¶16154878
IDC Error ellipse: s-maj=41.8km s-min=26.5km az=69.0.
ISC V 04 23 58 20.1–.45 55.43S–.09 26.9W–.10 25 4.6b,4.3s 56 18-152
IDC V 04 23 58 16.4–.57 55.42S 26.84W 0 4.5b,4.4 ¶13439332
ISCJB V 04 23 58 18.0–.49 55.43S–.08 27.0W–.20 25 4.5b,4.3s
NEIC V 04 23 58 21.5–.30 55.42S 26.83W 35 4.5b,4.3s
GCMT V 04 23 58 25.9–.30 55.39S 26.81W 20–1 5.0W,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=17.6km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=10.8km az=169.1.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.7km az=95.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s25,c31; s47,c74; Moment tensor: Scale 10^{16}Nm; M_{rr}3.42±.28 $M_{\theta\theta}$-1.24±.18; $M_{\phi\phi}$-2.17±.19; $M_{r\theta}$-1.21±.34; $M_{\theta\phi}$2.12±.09; $M_{\phi r}$-0.34±.33; Best double couple: NP1:ϕ_s159.00000°,δ44.00000°,λ117.00000°. NP2:ϕ_s303.00000°,δ52.00000°,λ66.00000°. Principal axes: T 3.8500,Plg71.0000° ,Azm152.0000°; N 0.0700,Plg19.0000°,Azm319.0000°; P -3.9100,Plg4.0000°,Azm50.0000° $M_0$3.90000×10^{16}
ISC V 05 06 16 07.4–.45 58.72S–.08 25.29W–.07 36–5 4.9b,4.4s 217 14-164
ISCJB V 05 06 16 01.4–5.3 58.67S–.06 25.1W–.10 6–33 4.9b,4.5s ¶13439337
IDC V 05 06 16 01.7–.37 58.66S 25.10W 0 5.4L,4.9
MOS V 05 06 16 05.9–1.1 58.73S 25.16W 33 5.2b,4.9
BJI V 05 06 16 06.0 57.79S 25.21W 37 5.4s,5.4b
NEIC V 05 06 16 07.3–1.3 58.70S 25.12W 36–10 5.1b,5.4b
GCMT V 05 06 16 11.1–.30 59.07S 24.70W 36–0 5.1W,5.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=9.3km az=137.0.
IDC Error ellipse: s-maj=16.4km s-min=12.8km az=62.0.
MOS Error ellipse: s-maj=26.0km s-min=12.7km az=101.4.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.5km az=217.0.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s38,c47; s66,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}3.98±.27 $M_{\theta\theta}$1.35±.19; $M_{\phi\phi}$-5.33±.17; $M_{r\theta}$-1.55±.22; $M_{\theta\phi}$-0.38±.11; $M_{\phi r}$0.76±.16; Best double couple: NP1:ϕ_s207.00000°,δ46.00000°,λ126.00000°. NP2:ϕ_s341.00000°,δ54.00000°,λ59.00000°. Principal axes: T 4.7700,Plg65.0000° ,Azm191.0000°; N 0.6300,Plg25.0000°,Azm0.0000°; P -5.4000,Plg4.0000°,Azm92.0000° $M_0$5.10000×10^{16}
ISC V 05 09 05 30.2–.28 56.42S–.08 26.93W–.07 101 4.7b 181 17-167
IDC V 05 09 05 17.4–.39 56.34S 26.62W 0 4.6,4.6 ¶12754078
NEIC V 05 09 05 18.9–.22 56.34S 26.58W 10 5.1b,4.6
BJI V 05 09 05 21.8 56.30S 26.50W 30 5.4s,5.3b
MOS V 05 09 05 21.6–.89 56.37S 26.54W 33 5.3b,5.3b
ISCJB V 05 09 05 28.3–.35 56.38S–.07 26.6W–.10 101 4.6b,5.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 06 02 13 36.9–1.1 56.28S 26.69W 0 4.0,3.8
¶16155431
IDC Error ellipse: s-maj=45.5km s-min=31.7km az=91.0.
IDC V 06 02 47 45.7–1.1 57.29S 25.00W 0 4.1,4.0
¶16155433
IDC Error ellipse: s-maj=48.4km s-min=30.3km az=88.0.
IDC V 06 07 03 17.4–.81 58.62S 29.67W 0 4.3,4.2
¶16155444
IDC Error ellipse: s-maj=26.1km s-min=20.8km az=92.0.
IDC V 08 09 18 47.4–8.0 56.19S 27.65W 132–74 3.9b,3.7
¶16155511
IDC Error ellipse: s-maj=42.3km s-min=27.1km az=37.0.
IDC V 09 08 33 42.1–3.6 58.84S 25.87W 0 4.0,4.0
¶16155540
IDC Error ellipse: s-maj=207.5km s-min=80.9km az=97.0.
IDC V 10 03 03 56.1–1.2 60.49S 26.72W 0 4.1,4.0b
¶16155566
IDC Error ellipse: s-maj=47.5km s-min=26.1km az=20.0.
ISC V 10 20 39 18.5–.82 61.3S–.10 23.5W–.20 10 4.1b 11 11-77
ISCJB V 10 20 39 16.3–.69 61.4S–.10 23.5W–.30 10 3.9b,3.7s ¶16155604
IDC V 10 20 39 18.1–4.7 60.98S 23.47W 0 4.1,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.2km s-min=7.5km az=148.8.
IDC Error ellipse: s-maj=154.7km s-min=24.5km az=2.0.
ISC V 13 21 24 31.0–.56 56.93S–.08 25.4W–.10 35 4.3b,3.5s 33 16-150
IDC V 13 21 24 26.5–.76 56.76S 25.46W 0 4.3b,4.3 ¶13678897
ISCJB V 13 21 24 29.5–.50 56.77S–.08 25.4W–.20 35 4.2b,3.4s
NEIC V 13 21 24 31.4–.40 56.78S 25.51W 35 4.3b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=16.2km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=8.9km az=147.9.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.8km az=53.0.
ISC V 13 22 12 37.0–.76 60.0S–.20 26.6W–.20 26 4.0b 21 13-153
IDC V 13 22 12 32.2–1.1 60.28S 26.61W 0 4.3s,4.3 ¶13678899
ISCJB V 13 22 12 35.3–.83 60.0S–.10 26.6W–.40 26 4.3s,3.9b
NEIC V 13 22 12 38.4–.57 59.98S 26.66W 35 4.0b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=28.3km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=32.1km s-min=10.8km az=143.0.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=11.8km az=53.0.
ISC V 13 23 02 48.5–.20 55.87S–.06 27.21W–.05 63 5.0b 413 17-176
MOS V 13 23 02 43.7–1.0 55.91S 27.01W 33 5.4b ¶12821486
IDC V 13 23 02 44.6–1.1 55.84S 27.02W 32–7 4.8,4.8
BJI V 13 23 02 44.4 55.90S 26.90W 35 5.4b,5.3s
NEIC V 13 23 02 45.6–.91 55.87S 26.92W 44–7 5.3b,5.3s
ISCJB V 13 23 02 46.5–.24 55.80S–.05 26.88W–.08 63 5.1b,5.3s
GCMT V 13 23 02 47.7–.10 55.86S 26.74W 20–0 5.4W,5.3s
ISC Event type se.
MOS Error ellipse: s-maj=20.5km s-min=11.3km az=104.3.
IDC Error ellipse: s-maj=14.2km s-min=10.0km az=36.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.5km az=211.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=42.8.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c108; s87,c150; Moment tensor: Scale 10^{17}Nm; M_{rr}1.11±.03 $M_{\theta\theta}$-0.26±.03; $M_{\phi\phi}$-0.85±.03; $M_{r\theta}$0.21±.05; $M_{\theta\phi}$0.81±.02; $M_{\phi r}$0.79±.05; Best double couple: NP1:ϕ_s120.00000°,δ40.00000°,λ48.00000°. NP2:ϕ_s350.00000°,δ62.00000°,λ119.00000°. Principal axes: T 1.5300,Plg61.0000° ,Azm306.0000°; N 0.0100,Plg25.0000°,Azm155.0000°; P -1.5300,Plg12.0000°,Azm59.0000° $M_0$1.50000×10^{17}
ISC V 14 02 42 11.8–.59 56.8S–.10 25.6W–.20 35 4.5b,3.8s 38 16-152
IDC V 14 02 42 06.3–.69 56.77S 25.50W 0 4.4,4.4b ¶13678915
ISCJB V 14 02 42 09.9–.68 56.8S–.10 25.5W–.30 35 4.4b,3.9s
NEIC V 14 02 42 11.7–.38 56.80S 25.60W 35 4.6b,3.9s
ISC Event type se.

IDC Error ellipse: s-maj=25.7km s-min=17.1km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=9.2km az=149.8.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.5km az=59.0.
ISC V 15 06 12 08.9–.53 56.15S–.08 27.30W–.07 126–4 4.4b 118 6-161
IDC V 15 06 12 08.9–.52 56.16S 27.17W 124–4 4.3,4.2 ¶16555921
BJI V 15 06 12 09.7 56.10S 27.10W 127 5.1b,4.2
NEIC V 15 06 12 10.6–1.1 56.18S 27.23W 140–9 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=12.4km az=59.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.6km az=221.0.
IDC V 15 07 07 42.3–3.2 55.76S 24.24W 0 4.5,4.2
¶16155759

IDC Error ellipse: s-maj=592.4km s-min=63.9km az=31.0.
IDC V 15 23 10 32.7–1.2 58.63S 25.07W 0 3.8,3.7
¶16155785

IDC Error ellipse: s-maj=91.9km s-min=32.4km az=101.0.
IDC V 16 03 58 08.7–.78 58.76S 25.08W 0 4.0,4.0b
¶16155795

IDC Error ellipse: s-maj=39.5km s-min=20.9km az=66.0.
IDC V 16 18 57 15.5–2.3 56.12S 27.20W 0 3.7b,3.6
¶16155819

IDC Error ellipse: s-maj=122.8km s-min=29.9km az=96.0.
IDC V 17 12 31 20.5–12 57.91S 25.61W 59–109 3.7b,3.4
¶16155839

IDC Error ellipse: s-maj=86.9km s-min=37.1km az=110.0.
IDC V 18 12 54 07.6–1.1 58.73S 25.03W 0 4.0,4.0L
¶16155870

IDC Error ellipse: s-maj=71.2km s-min=24.7km az=93.0.
IDC V 18 16 44 51.9–3.0 57.53S 25.15W 0 4.0,3.8
¶16155879

IDC Error ellipse: s-maj=98.7km s-min=44.6km az=180.0.
ISC V 19 01 39 09.3–.39 60.63S–.09 25.41W–.09 19 4.5b,3.9s 78 14-154
IDC V 19 01 39 06.3–.44 60.67S 25.50W 0 4.5,4.5 ¶13679214
ISCJB V 19 01 39 07.3–.41 60.65S–.08 25.6W–.20 19 4.4b,3.9s
NEIC V 19 01 39 08.2–5.0 60.69S 25.53W 13–30 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=14.4km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=9.9km az=32.5.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.8km az=216.0.
IDC V 20 06 51 54.7–.96 56.75S 23.63W 0 4.1,4.1b
¶16155939

IDC Error ellipse: s-maj=34.6km s-min=21.9km az=62.0.
IDC V 21 02 24 33.6–6.7 56.01S 27.77W 129–60 3.7,3.7
¶16155979

IDC Error ellipse: s-maj=31.2km s-min=27.7km az=60.0.
ISC V 22 15 05 33.8–.73 59.9S–.10 25.7W–.20 16 4.2b,3.6s 18 13-153
IDC V 22 15 05 32.2–.69 59.30S 25.78W 0 4.4L,4.3 ¶16156025
ISC Event type ke.
IDC Error ellipse: s-maj=28.0km s-min=19.1km az=61.0.
ISC V 24 17 42 50.8–.77 59.5S–.10 26.2W–.20 10 4.0b,3.5s 16 13-153
ISCJB V 24 17 42 49.1–.84 59.5S–.10 26.1W–.30 10 3.9b,3.4s ¶16156111
IDC V 24 17 42 49.2–.78 59.53S 26.20W 0 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.0km s-min=10.6km az=139.5.
IDC Error ellipse: s-maj=27.1km s-min=21.2km az=38.0.
IDC V 25 01 36 59.5–1.2 55.78S 28.54W 0 4.0,4.0b
¶16156129

IDC Error ellipse: s-maj=81.7km s-min=32.4km az=101.0.
IDC V 26 03 15 34.2–1.0 55.76S 29.74W 0 4.0,3.9b
¶16156171

IDC Error ellipse: s-maj=47.9km s-min=23.9km az=85.0.
IDC V 26 05 40 56.7–1.0 56.25S 26.84W 0 4.4,4.2
¶16156175

IDC Error ellipse: s-maj=45.8km s-min=28.0km az=81.0.
IDC V 27 06 48 25.0–.95 55.90S 26.94W 0 4.1,3.9b
¶16156213

IDC Error ellipse: s-maj=39.3km s-min=21.5km az=79.0.
ISC V 28 21 07 42.9–.31 55.81S–.08 28.12W–.08 54 5.1b,4.3s 144 17-162
ISCJB V 28 21 07 41.9–.36 55.80S–.06 28.0W–.10 54 5.0b,4.5s ¶12868603
GCMT V 28 21 07 44.1–.30 56.06S 27.77W 69–6 5.0W,4.5s
IDC V 28 21 07 46.8–1.2 55.83S 28.05W 86–9 4.7,4.6b
NEIC V 28 21 07 47.7–1.1 55.88S 28.18W 97–9 5.2b,4.6b
BJI V 28 21 07 49.7 55.90S 28.20W 97 5.4b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.0km az=145.9.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s10,c10; s66,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.70±.38 $M_{\theta\theta}$0.55±.47; $M_{\phi\phi}$1.16±.41; $M_{r\theta}$-3.10±.16; $M_{\theta\phi}$1.54±.26; $M_{\phi r}$-1.97±.16; Best double couple: NP1:ϕ_s195.00000°,δ18.00000°,λ-130.00000°. NP2:ϕ_s57.00000°,δ76.00000°,λ-78.00000°. Principal axes: T 4.4800,Plg30.0000° ,Azm137.0000°; N -0.4800,Plg12.0000°,Azm234.0000°; P -4.0000,Plg57.0000° ,Azm342.0000° $M_0$4.20000×10^{16}
IDC Error ellipse: s-maj=14.5km s-min=12.1km az=65.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.6km az=48.0.
IDC V 29 00 06 36.3–35 60.51S 23.52W 0 3.9,3.9
¶16156291

IDC Error ellipse: s-maj=2460.0km s-min=78.3km az=137.0.
IDC V 29 01 16 38.1–16 56.75S 26.20W 135–144 3.8,3.7
¶16156293

IDC Error ellipse: s-maj=74.4km s-min=30.9km az=111.0.
IDC V 30 03 57 02.7–.85 60.27S 26.63W 0 4.2,4.1b
¶16066061

IDC Error ellipse: s-maj=43.6km s-min=23.4km az=87.0.
ISC V 30 06 47 55.7–.32 60.49S–.07 26.81W–.06 19 5.2s,4.9b 129 13-172
IDC V 30 06 47 52.2–.49 60.43S 26.08W 0 5.2,5.2s ¶12869573
ISCJB V 30 06 47 54.2–.41 60.49S–.06 26.5W–.10 19 5.2s,4.8b
NEIC V 30 06 47 54.0–.36 60.42S 26.11W 10 5.2s,5.1b
BJI V 30 06 47 58.7 60.80S 26.40W 35 5.5s,5.5b
GCMT V 30 06 47 58.0–.10 60.75S 27.43W 12 5.5W,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=13.4km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.5km az=153.6.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=11.8km az=74.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=212, per= 50. Moment Tensor Solution. s87,c140; s41,c41; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.02 $M_{\theta\theta}$-0.01±.03; $M_{\phi\phi}$0.17±.02; $M_{r\theta}$-0.65±.06; $M_{\theta\phi}$-1.80±.02; $M_{\phi r}$0.16±.05; Best double couple: NP1:ϕ_s2.00000°,δ70.00000°,λ1.00000°. NP2:ϕ_s272.00000°,δ89.00000°,λ160.00000°. Principal axes: T 2.0300,Plg15.0000°,Azm225.0000°; N -0.2200,Plg70.0000°,Azm88.0000° ; P -1.8100,Plg13.0000°,Azm318.0000° $M_0$1.90000×10^{17}
IDC VI 01 11 58 20.3–10 56.12S 27.11W 134–93 4.0,3.8
¶16066166

IDC Error ellipse: s-maj=32.4km s-min=20.6km az=63.0.
IDC VI 02 12 11 40.1–7.3 55.98S 27.71W 137–66 3.9,3.8
¶16066222

IDC Error ellipse: s-maj=31.8km s-min=21.5km az=77.0.
ISC VI 03 00 54 28.1–.83 60.8S–.20 24.9W–.20 10 3.8b 10 12-154
IDC VI 03 00 54 28.5–1.0 60.58S 25.77W 0 3.9,3.8 ¶16100875
ISC Event type ke.
IDC Error ellipse: s-maj=39.7km s-min=27.0km az=61.0.
IDC VI 06 22 30 31.4–1.9 56.69S 27.35W 0 4.2,4.1
¶16101033

IDC Error ellipse: s-maj=74.5km s-min=43.9km az=4.0.
ISC VI 07 08 23 06.9–.92 60.9S–.20 27.0W–.30 10 3.8b 8 12-153
ISCJB VI 07 08 23 04.5–.99 61.0S–.20 27.1W–.60 10 3.7b ¶16101054
IDC VI 07 08 23 07.0–2.8 60.51S 27.03W 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=51.5km s-min=9.0km az=148.0.
IDC Error ellipse: s-maj=92.0km s-min=42.6km az=4.0.
ISC VI 08 02 56 21.1–.53 55.87S–.10 28.1W–.20 121 4.3b 45 17-151
ISCJB VI 08 02 56 20.2–.67 55.88S–.09 27.8W–.30 121 4.3b ¶13107603
IDC VI 08 02 56 24.8–2.5 55.93S 27.93W 150–21 4.1,4.0
NEIC VI 08 02 56 24.4–3.5 55.92S 27.90W 147–31 4.4b,4.0

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.6km s-min=12.6km az=173.0.
IDC Error ellipse: s-maj=26.3km s-min=14.8km az=81.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=11.5km az=85.0.
IDC VI 08 08 24 23.8–.92 55.80S 27.44W 0 4.0,3.9
¶16101097

IDC Error ellipse: s-maj=38.0km s-min=23.7km az=66.0.
ISC VI 08 08 42 35.3–.78 60.4S–.20 26.5W–.20 20 4.1b,3.5s 14 13-153
IDC VI 08 08 42 32.2–.80 60.46S 26.57W 0 4.2,4.1 ¶16101101
ISCJB VI 08 08 42 33.4–.72 60.5S–.10 26.5W–.40 20 4.0b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC VI 09 10 12 28.2–.91 60.5S–.20 27.3W–.30 10 4.0b 9 13-153
ISCJB VI 09 10 12 26.5–.92 60.6S–.20 27.3W–.60 10 3.8b ¶16101144
IDC VI 09 10 12 26.4–1.4 60.57S 27.30W 0 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=50.4km s-min=13.6km az=146.9.
IDC Error ellipse: s-maj=54.7km s-min=36.0km az=35.0.
ISC VI 09 15 15 36.6–.30 56.29S–.07 26.79W–.07 101 4.9b 154 16-176
DJA VI 09 15 15 25.8–1.3 56S–12 27W–23 10 5.5b,5.2 ¶12954641
BJI VI 09 15 15 35.1 56.30S 26.50W 90 5.1s,5.1b
IDC VI 09 15 15 35.9–1.2 56.26S 26.71W 92–9 4.7,4.7b
ISCJB VI 09 15 15 35.1–.35 56.27S–.06 26.7W–.10 101 4.9b,4.7b
NEIC VI 09 15 15 36.8–1.1 56.27S 26.72W 102–9 5.2b,4.7b
GCMT VI 09 15 15 36.5–.30 56.41S 26.34W 61–3 5.0W,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=11.6km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=8.2km az=137.6.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.2km az=219.0.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s24,c26; s61,c79; Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.22 $M_{\theta\theta}$3.00±.17; $M_{\phi\phi}$-3.08±.18; $M_{r\theta}$-1.55±.11; $M_{\theta\phi}$-1.09±.16; $M_{\phi r}$1.60±.11; Best double couple: NP1:ϕ_s233.00000°,δ56.00000°,λ176.00000°. NP2:ϕ_s325.00000°,δ87.00000°,λ34.00000°. Principal axes: T 4.0600,Plg26.0000° ,Azm195.0000°; N -0.2800,Plg56.0000°,Azm330.0000°; P -3.7800,Plg21.0000° ,Azm94.0000° $M_0$3.90000×10^{16}
ISC VI 09 18 12 49.1–.47 60.2S–.10 26.8W–.10 34 4.3b 44 13-153
IDC VI 09 18 12 44.1–.61 60.16S 26.80W 0 4.2,4.1 ¶13681066
ISCJB VI 09 18 12 46.8–.47 60.29S–.09 26.7W–.20 34 4.2b,4.1
NEIC VI 09 18 12 49.6–3.5 60.20S 26.76W 39–31 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=17.6km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=9.8km az=138.4.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.1km az=48.0.
ISC VI 09 20 41 41.3–.41 60.28S–.09 26.7W–.10 20 4.5b,3.5s 70 13-153
ISCJB VI 09 20 41 39.0–.49 60.40S–.09 26.8W–.20 20 4.3b,3.6s ¶13681073
IDC VI 09 20 41 38.4–.46 60.21S 26.80W 0 4.4,4.4b
NEIC VI 09 20 41 45.4–.38 60.38S 26.73W 55 4.6b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=9.8km az=143.2.
IDC Error ellipse: s-maj=19.5km s-min=15.6km az=52.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=11.6km az=54.0.
IDC VI 12 05 01 40.6–1.4 55.71S 26.78W 0 4.0,3.8b
¶16101226

IDC Error ellipse: s-maj=64.8km s-min=29.6km az=56.0.
ISC VI 12 14 06 38.9–.80 59.7S–.10 26.2W–.20 40 3.9b 12 13-153
IDC VI 12 14 06 33.4–.79 59.62S 26.34W 0 4.0,3.9 ¶16101241
ISCJB VI 12 14 06 37.3–.88 59.7S–.10 26.0W–.50 40 3.8b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VI 13 02 50 59.7–.57 58.8S–.10 26.4W–.10 116 3.9b 22 14-152
ISCJB VI 13 02 50 58.4–.56 58.78S–.09 26.3W–.20 116 3.9b ¶16101263
IDC VI 13 02 51 00.9–4.8 58.86S 26.40W 126–44 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=11.3km az=150.0.
IDC Error ellipse: s-maj=16.9km s-min=15.0km az=32.0.
IDC VI 13 20 39 59.6–6.4 55.91S 27.93W 146–58 3.8,3.8b
¶16101292

IDC Error ellipse: s-maj=26.0km s-min=21.1km az=88.0.
ISC VI 14 20 25 16.1–.20 58.90S–.05 25.07W–.05 18 5.4b,4.7s 457 14-174
SZGRF VI 14 20 25 08.2 58.34S 30.79W 33 4.8b,4.7s ¶13546705
BJI VI 14 20 25 12.2 59.00S 25.00W 10 5.4s,5.3b
IDC VI 14 20 25 13.5–.30 58.91S 25.02W 0 5.5L,5.1
ISCJB VI 14 20 25 14.6–.24 58.97S–.05 25.04W–.08 18 5.3b,4.8s
NEIC VI 14 20 25 18.0–2.0 58.97S 24.98W 30–13 5.4b,4.8s
MOS VI 14 20 25 17.6–1.1 58.98S 24.90W 34 5.5b,4.5s
DJA VI 14 20 25 19.0–7.0 59S–17 25W–30 17–45 5.5b,5.3
GCMT VI 14 20 25 21.3–.20 59.17S 24.62W 28–0 5.1W,5.3
ISC Event type se.
SZGRF South Sandwich Islands region.
IDC Error ellipse: s-maj=13.1km s-min=10.5km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.7km az=20.7.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=210.0.
MOS Error ellipse: s-maj=21.6km s-min=10.3km az=98.8.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s60,c87; s68,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}5.27±.19 $M_{\theta\theta}$-5.46±.15; $M_{\phi\phi}$0.18±.17; $M_{r\theta}$0.73±.26; $M_{\theta\phi}$2.58±.12; $M_{\phi r}$-2.34±.32; Best double couple: NP1:ϕ_s271.00000°,δ41.00000°,λ58.00000°. NP2:ϕ_s131.00000°,δ56.00000°,λ115.00000°. Principal axes: T 6.1900,Plg68.0000° ,Azm94.0000°; N 0.4700,Plg20.0000°,Azm296.0000°; P -6.6700,Plg8.0000°,Azm203.0000° $M_0$6.40000×10^{16}
ISC VI 14 22 10 14.6–.30 56.17S–.06 27.93W–.07 121 4.7b 121 17-159
BJI VI 14 22 10 04.1 56.10S 27.80W 30 5.3b,5.2s ¶13077654
NEIC VI 14 22 10 04.9–.30 56.12S 27.62W 35 5.0b,5.2s
IDC VI 14 22 10 10.2–.59 56.04S 27.60W 88–4 4.5,4.4b
ISCJB VI 14 22 10 12.5–.32 56.20S–.06 27.8W–.10 121 4.8b,4.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VI 15 03 41 29.3–.31 59.37S–.08 26.39W–.07 61 4.7b 127 14-173
ISCJB VI 15 03 41 27.7–.36 59.37S–.06 26.2W–.10 61 4.7b ¶13077663
BJI VI 15 03 41 30.7 59.40S 26.30W 75 5.2s,5.2b
NEIC VI 15 03 41 31.3–1.3 59.41S 26.26W 82–11 5.0b,5.2b
IDC VI 15 03 41 31.3–1.9 59.39S 26.28W 80–15 4.4,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.6km az=135.7.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=218.0.
IDC Error ellipse: s-maj=15.2km s-min=12.5km az=56.0.
ISC VI 15 11 26 11.4–.57 58.7S–.10 25.1W–.10 28 4.2b 24 14-153
IDC VI 15 11 26 07.3–.57 58.65S 25.13W 0 4.2,4.1b ¶16101358
ISCJB VI 15 11 26 09.6–.63 58.7S–.10 25.1W–.20 28 4.0b,4.1b
ISC Event type ke.
ISCJB Event type ke.
ISC VI 15 18 24 19.0–.45 60.1S–.10 24.8W–.10 10 4.4b,3.6s 59 13-154
IDC VI 15 18 24 17.5–.51 60.07S 24.91W 0 4.3,4.3 ¶13681444
NEIC VI 15 18 24 20.6–5.4 60.11S 24.85W 22–37 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=15.6km az=45.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.9km az=47.0.
IDC VI 16 06 33 17.3–10 56.29S 27.47W 146–92 3.4,3.3
¶16101396

IDC Error ellipse: s-maj=46.2km s-min=25.3km az=47.0.
ISC VI 19 11 37 49.3–.81 60.9S–.10 25.4W–.20 10 3.8b,3.5s 10 12-154
IDC VI 19 11 37 48.5–1.0 60.74S 25.59W 0 4.0,3.9 ¶16101501
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=28.3km az=58.0.
IDC VI 19 19 26 50.6–1.0 56.31S 25.60W 0 4.1,3.9
¶16101510

IDC Error ellipse: s-maj=45.7km s-min=30.9km az=87.0.
IDC VI 20 04 53 47.6–2.3 60.09S 26.79W 0 4.1,4.0
¶16101522

IDC Error ellipse: s-maj=84.3km s-min=44.8km az=12.0.
IDC VI 23 18 52 39.3–12 59.53S 27.07W 0 3.9,3.9b

¶16101662
IDC Error ellipse: s-maj=828.2km s-min=50.6km az=98.0.
IDC VI 24 14 02 05.6–.89 55.65S 26.87W 0 4.3,4.2b
¶16101696
IDC Error ellipse: s-maj=36.8km s-min=25.4km az=68.0.
IDC VI 24 17 14 41.3–1.3 55.18S 27.03W 0 3.9,3.8
¶16101700
IDC Error ellipse: s-maj=90.8km s-min=35.7km az=102.0.
IDC VI 24 17 30 05.1–1.2 55.29S 26.93W 0 4.0,3.9
¶16101701
IDC Error ellipse: s-maj=91.5km s-min=34.7km az=101.0.
IDC VI 24 19 27 58.1–2.4 56.04S 27.60W 150–20 4.2,4.1
¶16101703
IDC Error ellipse: s-maj=19.3km s-min=13.4km az=78.0.
NEIC VI 27 07 41 44.9–.48 55.30S 27.25W 10 4.2b
IDC VI 27 07 41 43.4–.80 55.30S 27.21W 0 4.0,4.0b ¶13682122
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=10.1km az=62.0.
IDC Error ellipse: s-maj=33.4km s-min=18.2km az=66.0.

(154) South Shetland Islands.

IDC I 18 23 37 28.4–1.0 60.34S 52.03W 0 4.4L,4.0s
¶12081683
IDC Error ellipse: s-maj=37.3km s-min=23.3km az=86.0.
ISC II 15 02 41 02.5–.34 62.11S–.07 56.24W–.08 10 4.7b,3.8s 89 4-163
ISCJB II 15 02 41 01.0–.37 62.13S–.06 56.4W–.20 10 4.5b,3.8s ¶12700740
IDC II 15 02 41 00.8–.52 62.08S 56.38W 0 4.4L,4.4
NEIC II 15 02 41 02.3–.21 62.15S 56.36W 10 4.9b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=8.9km az=178.1.
IDC Error ellipse: s-maj=26.2km s-min=15.4km az=94.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.1km az=86.0.
ISC II 15 03 04 31.0–.36 62.17S–.07 56.16W–.07 10 4.6b,3.7s 80 4-163
ISCJB II 15 03 04 29.6–.39 62.15S–.06 56.2W–.20 10 4.5b,3.7s ¶12700742
IDC II 15 03 04 29.7–.54 62.08S 56.21W 0 4.4,4.4L
NEIC II 15 03 04 31.0–.23 62.14S 56.12W 10 4.8b,4.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=8.5km az=17.2.
IDC Error ellipse: s-maj=25.8km s-min=16.1km az=87.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.9km az=76.0.

(156) Southwestern Atlantic Ocean.

ISC II 07 20 21 27.8–.48 51.53S–.08 12.33W–.09 10 4.5b,3.7s 43 19-153
ISCJB II 07 20 21 26.1–.41 51.51S–.06 12.3W–.10 10 4.4b,3.8s ¶12699747
IDC II 07 20 21 26.4–.77 51.53S 12.36W 0 4.3b,4.3
NEIC II 07 20 21 27.8–.40 51.51S 12.29W 10 4.7b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=9.1km az=175.8.
IDC Error ellipse: s-maj=24.6km s-min=16.9km az=157.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.2km az=161.0.
IDC II 15 03 18 24.1–1.0 62.12S 55.85W 0 4.1,4.0
¶15956122
IDC Error ellipse: s-maj=55.4km s-min=24.5km az=87.0.

(732) East of South Sandwich Islands.

ISC I 01 04 52 22.5–.60 58.3S–.10 21.9W–.10 10 4.2b,3.4s 34 14-154
IDC I 01 04 52 21.0–.79 58.28S 21.88W 0 4.3,4.1 ¶12079734
ISCJB I 01 04 52 21.1–.57 58.27S–.08 21.8W–.20 10 4.1b,3.3s
NEIC I 01 04 52 22.5–.48 58.29S 21.81W 10 4.4b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=19.4km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=9.3km az=152.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=11.7km az=220.0.
ISC I 20 07 39 25.2–.62 58.3S–.10 22.0W–.10 10 4.5b,3.5s 30 14-154
ISCJB I 20 07 39 23.5–.68 58.32S–.09 22.0W–.20 10 4.4b,3.6s ¶12081848
IDC I 20 07 39 24.1–.81 58.16S 22.01W 0 4.5,4.4
NEIC I 20 07 39 24.9–.51 58.37S 21.93W 10 4.7b,4.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=10.0km az=143.5.
IDC Error ellipse: s-maj=30.4km s-min=22.0km az=171.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=13.1km az=209.0.
ISC IV 08 06 26 53.5–.27 58.01S–.06 7.27W–.06 10 5.1b,5.0s 302 13-171
ISCJB IV 08 06 26 51.2–.27 57.96S–.04 7.36W–.10 10 5.1b,5.0s ¶12100772
IDC IV 08 06 26 51.4–.38 58.02S 7.32W 0 5.2L,4.8
DJA IV 08 06 26 53.2–1.1 58S–9.0 7W–23 10 5.7b,5.2
NEIC IV 08 06 26 54.7–.24 58.10S 6.26W 10 5.6W,5.3b
GCMT IV 08 06 26 55.9–.10 58.04S 7.15W 13–0 5.5W,5.3b
MOS IV 08 06 26 55.5–1.6 58.22S 6.35W 10 5.2b,4.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.2km az=23.3.
IDC Error ellipse: s-maj=13.5km s-min=12.5km az=142.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.8km az=105.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=194, per= 50. Moment Tensor Solution. s84,c150; s50,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.21±.03 $M_{\theta\theta}$-0.08±.03; $M_{\phi\phi}$0.29±.03; $M_{r\theta}$0.61±.07; $M_{\theta\phi}$2.15±.03; $M_{\phi r}$-0.55±.07; Best double couple: NP1:ϕ_s359.00000°,δ75.00000°,λ-165.00000°. NP2:ϕ_s266.00000°,δ75.00000°,λ-15.00000°. Principal axes: T 2.2600,Plg0.0000°,Azm313.0000°; N 0.1000,Plg69.0000°,Azm43.0000° ; P -2.3700,Plg21.0000°,Azm223.0000° M_o2.30000×10^{17}
MOS Error ellipse: s-maj=26.5km s-min=11.1km az=92.6.
ISC V 07 15 44 00.1–2.2 60.8S–.20 18.0W–.70 10 10 11-146
IDC V 07 15 43 53.6–3.8 61.07S 22.10W 0 4.1,4.1b ¶16155491
ISC Event type ke.
IDC Error ellipse: s-maj=204.3km s-min=37.4km az=84.0.
IDC V 16 16 09 28.1–3.1 58.92S 16.89W 0 3.6s,3.5
¶16155813
IDC Error ellipse: s-maj=184.5km s-min=82.3km az=87.0.
ISC V 21 22 48 18.5–.55 59.58S–.09 20.3W–.10 10 4.3b,3.8s 38 12-151
ISCJB V 21 22 48 16.6–.54 59.61S–.08 20.3W–.20 10 4.2b,3.9s ¶13679394
IDC V 21 22 48 16.7–.69 59.54S 20.30W 0 4.9L,4.3
NEIC V 21 22 48 18.2–.53 59.59S 20.21W 10 4.8b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=8.4km az=144.9.
IDC Error ellipse: s-maj=24.8km s-min=16.8km az=47.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.9km az=46.0.
ISC VI 17 16 41 05.5–2.6 61.0S–.30 19.7W–.90 10 7 13-147
IDC VI 17 16 41 00.9–3.9 61.07S 21.98W 0 4.1,4.1L ¶16101442
ISC Event type ke.
IDC Error ellipse: s-maj=204.5km s-min=38.1km az=84.0.

SEISMIC REGION 11.
New Zealand Region.

(158) Off west coast of North Island.

WEL I 07 21 52 52.1–.71 39.83S 173.92E 244–6 4.1L
¶11752052
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=1.3km az=90.0.
WEL I 08 22 08 16.7–.51 39.69S 174.00E 203–4 3.7L
¶11752079
WEL Event type ke. Error ellipse: s-maj=2.7km s-min=1.5km az=90.0.
WEL I 09 01 52 12.6–.40 39.11S 173.64E 14–1 3.7L
NEIC I 09 01 52 10.9 39.05S 173.47E 22 3.8L ¶11752083
WEL Event type fe. Error ellipse: s-maj=3.3km s-min=1.8km az=90.0. Felt in the Taranaki region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at New Plymouth and Oakura. After WEL.
WEL I 20 09 22 37.3–.35 39.31S 173.50E 5 3.8L
NEIC I 20 09 22 38.3 39.34S 173.57E 7 3.7L ¶11752301
WEL Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=90.0. Felt in the Taranaki region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Taranaki. After WEL.
WEL I 23 16 21 05.1–.19 39.97S 174.00E 138–1 3.5L
¶11752367
WEL Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=90.0.
WEL IV 03 02 27 04.7–.39 39.88S 173.80E 216–3 4.3L
¶14210548
WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.1km az=90.0.
WEL IV 28 16 03 09.2–.23 39.98S 173.75E 210–2 3.9L
¶14211356
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=90.0.

(159) North Island.

WEL I 01 13 01 09.3–.39 38.29S 176.04E 176–3 3.5L
¶11751901
WEL Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=90.0.
WEL I 01 13 10 44.3–.45 39.86S 175.30E 112–4 3.7L
¶11751902
WEL Event type ke. Error ellipse: s-maj=4.1km s-min=2.2km az=90.0.
WEL I 01 23 56 32.7–.19 40.31S 176.63E 17–1 3.6L
¶11751915
WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=90.0.
WEL I 02 06 40 55.0–.33 37.84S 176.16E 197–3 3.5L
¶11751924
WEL Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=90.0.
WEL I 04 08 17 11.4–.44 38.45S 176.01E 153–3 3.5L
¶11751979
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=0.0.
WEL I 05 04 50 16.9–.09 39.73S 176.30E 43–2 3.5L
¶11752002
WEL Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=90.0.
WEL I 06 14 34 56.2–.90 37.17S 176.28E 285–14 3.7L
¶11752031
WEL Event type ke. Error ellipse: s-maj=18.4km s-min=18.2km az=0.0.
WEL I 08 00 50 27.6–.35 37.72S 176.61E 138–3 3.5L
¶11752055
WEL Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=90.0.
WEL I 08 01 45 31.8–.33 38.78S 175.42E 174–2 4.2L
¶11752057
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=0.0.
WEL I 08 17 01 09.2–.82 37.27S 176.50E 301–6 4.6L
NEIC I 08 17 01 09.4 37.32S 176.50E 300 4.6 ¶11752074
WEL Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=0.0.
NEIC Event type se. After WEL.
WEL I 10 05 35 58.1–.27 37.71S 176.32E 289–4 3.9L
NEIC I 10 05 35 58.1 37.74S 176.30E 290 3.9 ¶11752105
WEL Event type ke. Error ellipse: s-maj=7.6km s-min=7.0km az=0.0.
NEIC Event type se. After WEL.
WEL I 10 23 07 44.9–.41 37.08S 176.75E 233–3 3.5L
¶11752120
WEL Event type ke. Error ellipse: s-maj=6.2km s-min=5.1km az=90.0.
ISC I 11 14 30 43.7–1.0 37.42S–.09 176.79E–.08 239–7 80 0-144
ISCJB I 11 14 30 43.6–.68 37.46S–.07 176.78E–.09 247–5 3.0b ¶11752126
WEL I 11 14 30 46.0–.33 37.22S 176.80E 208–3 4.3L
IDC I 11 14 30 50.8–9.6 37.94S 176.23E 279–94 3.0,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=9.7km az=136.6.
WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=0.0.
IDC Error ellipse: s-maj=96.9km s-min=51.2km az=23.0.
WEL I 12 01 50 58.4–.51 37.48S 176.79E 188–3 3.5L
¶11752134
WEL Event type ke. Error ellipse: s-maj=7.6km s-min=4.7km az=90.0.
WEL I 12 04 12 06.3–.24 38.96S 175.45E 161–1 3.6L
¶11752138
WEL Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=90.0.
WEL I 12 05 38 02.6–.72 37.15S 176.76E 218–5 3.5L
¶11752141
WEL Event type ke. Error ellipse: s-maj=8.0km s-min=7.1km az=0.0.
WEL I 13 13 33 46.3–.10 38.60S 177.85E 25–1 3.5L
NEIC I 13 13 33 45.6 38.62S 177.98E 43 3.8L ¶11752163
WEL Event type fe. Error ellipse: s-maj=1.6km s-min=0.9km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Gisborne. After WEL.
WEL I 14 08 40 42.4–.33 37.96S 176.08E 181–2 3.8L
¶11752188
WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=0.0.
WEL I 15 10 40 57.0–.40 38.79S 175.29E 213–3 3.6L
¶11752212
WEL Event type ke. Error ellipse: s-maj=4.8km s-min=4.4km az=0.0.
WEL I 15 11 23 57.0–.56 38.11S 175.96E 158–6 3.5L
¶11752214
WEL Event type ke. Error ellipse: s-maj=5.7km s-min=5.1km az=90.0.
WEL I 15 16 28 56.1–.36 38.11S 176.35E 157–3 3.9L
¶11752217
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=0.0.
WEL I 17 10 54 18.8–.45 38.50S 175.91E 149–3 3.6L
¶11752247
WEL Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=0.0.
WEL I 18 09 01 08.5–.33 38.60S 175.80E 144–3 3.5L
¶11752257
WEL Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=90.0.
ISC I 18 22 29 56.5–.79 40.37S–.03 176.24E–.03 41–5 3.6b 176 0-152
IDC I 18 22 29 50.2–1.9 40.58S 176.26E 0 4.0,3.9 ¶11752272
ISCJB I 18 22 29 55.5–.36 40.40S–.02 176.32E–.05 57–4 3.7b,3.9
NEIC I 18 22 29 57.2 40.37S 176.26E 41 4.2L,3.9
WEL I 18 22 29 57.1–.06 40.32S 176.16E 39–1 4.1L,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=99.8km s-min=40.3km az=17.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.4km az=26.5.
NEIC Event type fe. Felt [IV] at Dannevirke and Palmerston North. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.7km az=90.0. Felt from Hawkes Bay to Wellington, maximum reported intensity MM 4.
ISC I 18 23 40 06.0–1.0 38.01S–.08 176.20E–.07 203 66 0-145
IDC I 18 23 39 39.9–11 38.35S 176.99E 0 3.8,3.7 ¶11752274
ISCJB I 18 23 40 06.2–.40 38.10S–.05 176.02E–.06 203 3.2b,3.7
WEL I 18 23 40 07.8–.43 37.99S 176.19E 187–3 4.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=491.0km s-min=64.1km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.7km az=140.3.
WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=0.0.
WEL I 19 16 12 47.5–.32 38.19S 176.01E 180–2 3.5L
¶11752289
WEL Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=0.0.
WEL I 21 13 02 32.3–.40 38.20S 175.94E 186–3 3.8L
¶11752330
WEL Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=0.0.
WEL I 21 13 31 00.6–.35 37.65S 176.32E 149–4 3.5L
¶11752331
WEL Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=90.0.
WEL I 21 19 09 15.9–.45 38.64S 175.83E 158–3 3.7L
¶11752335
WEL Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=0.0.
WEL I 22 03 11 09.7–.10 39.43S 176.71E 38–2 2.8L
¶11752340
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.1km az=90.0.
WEL I 23 17 39 08.5–.51 38.05S 175.98E 185–4 3.6L
¶11752369
WEL Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=0.0.
WEL I 24 03 44 53.5–.08 39.15S 176.90E 29–1 3.5L
¶11657442
WEL Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0.
WEL I 25 03 23 01.9–.50 38.20S 176.02E 156–4 3.7L
¶11657449
WEL Event type ke. Error ellipse: s-maj=3.5km s-min=3.3km az=0.0.
ISC I 25 21 16 52.1–1.8 38.26S–.05 176.08E–.05 181–10 178 0-8
ISCJB I 25 21 16 49.9–1.0 38.20S–.06 176.08E–.06 212–9 ¶11752416

WEL I 25 21 16 55.3–.34 38.23S 176.09E 161–2 4.4L
NEIC I 25 21 16 55.5 38.23S 176.08E 160 4.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=8.2km az=166.6.
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.5km az=90.0.
NEIC Event type se. After WEL.
WEL I 29 03 15 22.0–.41 37.75S 176.44E 145–4 3.5L
¶11752486

WEL Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=90.0.
WEL I 30 02 07 29.8–.38 39.63S 174.12E 190–3 3.5L
¶11752506

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=90.0.
WEL I 31 15 39 53.9–.35 39.40S 174.38E 249–2 4.1L
¶11752535

WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=90.0.
WEL II 02 03 41 55.3–.35 38.23S 175.90E 192–2 4.3L
NEIC II 02 03 41 54.4 38.18S 175.83E 198 4.3 **¶12082901**
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=0.0.
NEIC Event type se. After WEL.
ISC II 02 08 57 19.6–.91 40.65S–.03 175.10E–.03 63–6 95 0-152
ISCJB II 02 08 57 18.8–.32 40.68S–.03 175.15E–.04 75–4 3.6b **¶12082905**
WEL II 02 08 57 21.2–.05 40.62S 175.11E 46–1 4.2L
IDC II 02 08 57 22.1–8.3 40.74S 174.73E 65–65 3.6,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.3km az=33.4.
WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.4km az=90.0. Felt from Wanganui to Wellington, and from Nelson to Wairarapa, maximum. reported intensity MM 5.
IDC Error ellipse: s-maj=57.0km s-min=33.1km az=57.0.
WEL II 03 15 54 34.0–.42 38.16S 175.99E 166–3 3.8L
¶12082917

WEL Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=0.0.
WEL II 04 02 03 29.7–.08 40.85S 175.17E 56–1 3.5L
¶12082924

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0. Felt from Manawatu to Wellington, maximum reported intensity MM 4.
WEL II 04 04 51 14.7–.39 38.01S 176.36E 142–3 3.6L
¶12082925

WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=0.0.
ISC II 04 16 02 00.9–.66 37.50S–.06 176.49E–.06 244–5 3.7b 239 0-155
IDC II 04 16 01 51.7–6.7 36.89S 176.98E 170–54 4.1,4.0 **¶12082933**
ISCJB II 04 16 01 59.8–.46 37.48S–.04 176.45E–.07 247–3 3.8b,4.0
NEIC II 04 16 01 59.8–.30 37.30S 176.66E 239–2 4.6b,4.0
WEL II 04 16 02 01.2–.38 37.29S 176.68E 227–3 5.0L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=52.1km s-min=16.7km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.9km az=175.1.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=56.0.
WEL Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=90.0.
ISC II 05 01 37 09.4–.93 39.22S–.03 176.08E–.03 90–5 183 0-154
IDC II 05 01 36 57.4–1.9 39.34S 176.56E 0 3.8,3.5 **¶12082941**
ISCJB II 05 01 37 09.0–.37 39.24S–.03 176.07E–.03 91–3 3.4b,3.5
WEL II 05 01 37 10.3–.16 39.18S 176.08E 84–1 4.0L,3.5
NEIC II 05 01 37 10.2 39.18S 176.08E 85 4.0L,3.5
ISC Event type fe.
IDC Error ellipse: s-maj=111.0km s-min=54.6km az=24.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.5km az=138.3.
WEL Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0.
NEIC Event type fe. Felt at Waikanae Beach. After WEL.
WEL II 05 09 37 09.6–.31 38.13S 176.26E 161–2 3.8L
¶12082958

WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=0.0.
WEL II 05 12 05 29.5–.42 38.58S 175.70E 158–3 3.6L
¶12082959

WEL Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=0.0.
WEL II 05 13 21 52.5–.10 37.82S 176.65E 5 3.6L
¶12082962

WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.7km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 5.
WEL II 09 18 53 09.1–.32 37.73S 176.57E 149–2 3.5L
¶12083051

WEL Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=0.0.
WEL II 10 04 06 01.9–.25 39.69S 174.29E 250–3 3.5L
¶12083058

WEL Event type ke. Error ellipse: s-maj=4.8km s-min=2.4km az=0.0.
WEL II 10 07 20 57.2–.10 39.94S 176.60E 39–2 4.0L
NEIC II 10 07 20 57.2 39.96S 176.65E 38 4.0L **¶12083061**
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=0.9km az=90.0. Felt from Hawke''s Bay to Manawatu, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Taradale. Felt in the southern part of Hawke's Bay. After WEL.
WEL II 11 13 18 46.8–.38 37.59S 175.66E 232–6 3.7L
¶12083080

WEL Event type ke. Error ellipse: s-maj=9.4km s-min=6.1km az=90.0.
WEL II 11 16 45 51.8–.56 37.98S 176.19E 180–4 3.5L
¶12083085

WEL Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=90.0.
WEL II 14 08 13 42.0–.28 37.10S 176.69E 242–3 3.8L
¶12083211

WEL Event type ke. Error ellipse: s-maj=4.9km s-min=4.8km az=0.0.
WEL II 15 01 58 27.9–.41 38.54S 175.87E 152–3 3.6L
¶12083222

WEL Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=0.0.
WEL II 15 12 03 02.3–.40 37.07S 176.97E 238–3 4.2L
¶12083232

WEL Event type ke. Error ellipse: s-maj=5.8km s-min=4.3km az=0.0.
WEL II 16 15 04 03.5–.45 38.51S 175.84E 161–4 3.5L
¶12083251

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=0.0.
WEL II 16 21 58 19.0–.42 37.26S 176.89E 242–3 4.1L
NEIC II 16 21 58 18.9 37.25S 176.87E 241 4.1 **¶12083257**
WEL Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=0.0.
NEIC Event type se. After WEL.
ISC II 17 14 50 15.2–.96 38.03S–.04 177.89E–.05 75–7 4.2b 85 0-145
IDC II 17 14 50 08.2–5.8 36.35S 177.88E 0 4.3,4.1 **¶12083276**
ISCJB II 17 14 50 14.0–.60 38.04S–.03 177.92E–.06 81–4 4.0b,4.1
WEL II 17 14 50 15.4–.19 37.96S 177.87E 72–1 4.4L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=199.6km s-min=88.1km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.3km az=167.5.
WEL Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=90.0.
WEL II 20 00 11 41.7–.12 40.29S 175.97E 71–1 4.3L
NEIC II 20 00 11 41.6 40.29S 175.98E 72 4.3L **¶12083326**
WEL Event type fe. Error ellipse: s-maj=1.2km s-min=0.6km az=90.0. Felt from Hawke''s Bay to Wellington, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] at Palmerston North. Also felt in the Wellington-Lower Hutt area. After WEL.
WEL II 20 16 51 34.3–.38 37.68S 176.18E 198–3 3.8L
¶12083331

WEL Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=90.0.
WEL II 21 02 15 58.0–.32 37.36S 176.39E 196–3 3.7L
¶12083339

WEL Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=90.0.
WEL II 22 03 17 29.5–.71 38.84S 175.27E 211–5 3.7L
¶12083352

WEL Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=90.0.
WEL II 22 15 37 18.8–.53 37.88S 176.32E 154–4 3.7L
¶12083357

WEL Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=90.0.
ISC II 22 23 28 04.5–.53 37.57S–.06 176.55E–.06 251 4.5b 229 0-155
ISCJB II 22 23 28 03.1–.32 37.65S–.03 176.53E–.06 251 4.6b **¶12083358**
NEIC II 22 23 28 03.9 37.43S 176.56E 235 4.3b
WEL II 22 23 28 04.1–.40 37.45S 176.58E 234–3 5.0L
IDC II 22 23 28 13.3–4.8 37.29S 176.44E 323–43 4.2,4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.7km az=169.6.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=90.0.
IDC Error ellipse: s-maj=33.0km s-min=15.8km az=67.0.
ISC II 23 08 40 06.5–.96 39.80S–.02 174.56E–.03 20–12 194 0-6
NEIC II 23 08 40 08.0 39.77S 174.60E 24 4.1L **¶12083361**
WEL II 23 08 40 08.1–.13 39.77S 174.60E 26–1 4.1L
ISC Event type fe.
NEIC Event type fe. Felt at Wanganui. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=90.0. Felt from King Country to Wellington, and from Taranaki to Manawatu, maximum. reported intensity MM 4.
WEL II 23 18 02 10.6–.27 39.10S 174.90E 220–2 3.8L
¶12083363

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=0.0.
WEL II 23 20 14 53.2–.33 39.18S 174.80E 218–2 4.2L
¶12083364

WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=90.0.
ISC II 23 21 47 31.1–.81 39.13S–.06 174.82E–.06 218–5 3.5b 98 0-151
IDC II 23 21 47 03.1–5.8 38.54S 175.80E 0 4.1,3.8 **¶12083366**
ISCJB II 23 21 47 30.3–.44 39.13S–.04 174.78E–.05 221–3 3.4b,3.8
WEL II 23 21 47 32.1–.25 39.11S 174.87E 214–1 4.3L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=264.6km s-min=41.0km az=170.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.7km az=139.4.
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=90.0.
WEL II 24 06 23 51.3–.58 38.74S 175.14E 244–4 4.1L
NEIC II 24 06 23 51.2 38.73S 175.14E 244 4.1 **¶12083367**
WEL Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=0.0.
NEIC Event type se. After WEL.
WEL II 24 19 24 48.9–.07 39.35S 176.79E 41–1 3.6L
¶12083369

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0. Felt in the Hawke''s Bay region, maximum reported intensity MM 3.
WEL II 26 06 16 34.8–.37 38.94S 175.16E 221–2 3.6L
¶12058386

WEL Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=90.0.
WEL II 26 19 11 59.6–.33 38.58S 175.73E 156–3 3.5L
¶12058387

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=0.0.
WEL II 26 21 29 05.8–.53 38.53S 175.80E 177–4 3.6L
¶12058389

WEL Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=0.0.
WEL II 28 19 43 12.1–.38 37.73S 175.86E 256–6 3.6L
¶12058392

WEL Event type ke. Error ellipse: s-maj=11.2km s-min=9.6km az=90.0.
WEL III 02 21 00 58.8–.28 38.32S 175.88E 178–2 4.3L
NEIC III 02 21 00 58.8 38.32S 175.89E 177 4.3 **¶12791094**
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=90.0.
NEIC Event type se. After WEL.
WEL III 03 05 22 08.2–.45 38.15S 175.96E 158–3 3.6L
¶12791097

WEL Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=90.0.
WEL III 03 05 27 48.4–.65 37.97S 175.79E 141–11 3.5L
¶12791098

WEL Event type ke. Error ellipse: s-maj=10.7km s-min=7.6km az=90.0.
ISC III 03 16 04 36.9–1.3 39.41S–.06 174.31E–.07 268–7 86 0-146
IDC III 03 16 04 06.9–13 38.61S 175.40E 0 4.0s,3.9 **¶12702363**
ISCJB III 03 16 04 37.9–.49 39.45S–.05 174.27E–.07 266–5 2.8b,3.9
WEL III 03 16 04 41.1–.32 39.49S 174.42E 247–2 3.9L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=615.2km s-min=59.6km az=170.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.3km az=38.1.
WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=90.0.
WEL III 03 23 20 44.8–.39 38.63S 175.76E 162–3 3.7L
¶12791099

WEL Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=0.0.
WEL III 05 04 35 30.2–.23 37.10S 176.43E 238–3 4.0L
¶12791108

WEL Event type ke. Error ellipse: s-maj=4.6km s-min=4.5km az=0.0.
WEL III 05 08 27 46.3–.52 38.31S 175.89E 149–4 3.6L
¶12791109

WEL Event type ke. Error ellipse: s-maj=5.5km s-min=4.6km az=90.0.
WEL III 07 04 04 22.3–.24 37.19S 176.56E 232–3 3.6L
¶12791118

WEL Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=0.0.
WEL III 08 03 03 56.6–.40 38.56S 175.80E 159–3 3.6L
¶12791121

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=0.0.
WEL III 08 04 05 34.3–.17 38.62S 175.73E 135–1 4.2L
¶12791122

WEL Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=90.0.
WEL III 09 16 32 23.5–.53 38.00S 175.88E 181–5 3.5L
¶12791126

WEL Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=0.0.
WEL III 10 00 23 50.0–.12 38.43S 176.79E 64–1 3.6L
¶12791129

WEL Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0.
WEL III 10 20 09 25.5–.12 37.82S 174.24E 12 3.8L
¶12791131

WEL Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=90.0.
ISC III 11 03 49 47.1–.63 38.68S–.03 176.62E–.03 71–4 4.6b 251 0-157
ISCJB III 11 03 49 46.3–.26 38.70S–.02 176.64E–.03 77–2 4.6b **¶12702949**
WEL III 11 03 49 47.5–.12 38.63S 176.62E 70–1 5.0L
NEIC III 11 03 49 47.6 38.63S 176.61E 69 4.7L,4.5b
IDC III 11 03 50 18.4–7.5 38.60S 175.59E 327–63 3.8b,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=9.6.
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.5km az=90.0. Felt from Waikato to Gisborne, maximum reported intensity MM 4.
NEIC Event type fe. Felt in the central part of the North Island. After WEL.
IDC Error ellipse: s-maj=41.2km s-min=30.4km az=105.0.
WEL III 11 08 50 03.6–.30 38.53S 175.75E 173–2 4.1L
NEIC III 11 08 50 03.8 38.53S 175.75E 171 4.1 **¶12791146**
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=90.0.
NEIC Event type se. After WEL.
WEL III 14 01 52 09.4–.17 39.16S 175.59E 90–1 3.5L
¶12791187

WEL Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=90.0.
WEL III 14 01 58 41.2–.28 38.29S 175.96E 161–2 4.6L
NEIC III 14 01 58 40.9 38.30S 176.00E 163 4.6 **¶12791188**
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=90.0.
NEIC Event type se. After WEL.
WEL III 14 06 37 45.8–.17 40.40S 176.71E 19–1 3.5L
¶12791189

WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=90.0.
ISC III 15 23 58 28.8–.74 37.26S–.08 176.52E–.09 335–6 3.6b 98 1-156
IDC III 15 23 58 27.1–.93 37.11S 176.57E 325–6 3.6,3.5b **¶12703384**
ISCJB III 15 23 58 28.6–.71 37.32S–.07 176.6E–.10 344–5 3.6b,3.5b
WEL III 15 23 58 30.8–.42 37.18S 176.72E 318–3 4.7L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=21.1km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=9.5km az=34.3.
WEL Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=0.0.
WEL III 16 23 48 51.1–.85 38.12S 176.11E 160–8 3.5L
¶12791220

WEL Event type ke. Error ellipse: s-maj=11.8km s-min=6.2km az=90.0.
ISC III 17 03 16 36.7–.81 39.53S–.06 174.17E–.06 243–6 3.4b 103 0-51
IDC III 17 03 16 35.7–1.4 39.50S 173.90E 208–13 3.4,3.3 **¶12703481**
ISCJB III 17 03 16 36.2–.40 39.52S–.04 174.12E–.06 240–3 3.4b,3.3

WEL III 17 03 16 38.4–.29 39.53S 174.31E 235–2 4.2L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=15.0km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.3km az=43.5.
WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=90.0.
WEL III 17 06 53 12.7–.14 38.60S 176.75E 75–1 4.0L
NEIC III 17 06 53 13.2 38.60S 176.74E 69 4.0L ¶12791232
WEL Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=90.0.
NEIC Event type se. After WEL.
WEL III 17 12 39 38.2–.44 38.17S 176.12E 150–4 3.5L
¶12791233
WEL Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=90.0.
WEL III 18 08 52 19.8–.15 39.28S 175.41E 99–1 3.6L
¶12791249
WEL Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=90.0.
ISC III 20 15 38 48.6–.78 38.61S–.04 175.95E–.04 165–5 3.8b 214 0-151
ISCJB III 20 15 38 48.4–.40 38.62S–.03 175.96E–.05 164–3 3.7b ¶12703829
IDC III 20 15 38 49.0–.60 38.10S 176.27E 160–9 3.6,3.5b
WEL III 20 15 38 49.9–.23 38.52S 176.01E 153–2 4.3L,3.5b
NEIC III 20 15 38 49.8 38.52S 176.00E 154 4.3,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=24.0.
IDC Error ellipse: s-maj=40.3km s-min=21.7km az=42.0.
WEL Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=90.0.
NEIC Event type se. After WEL.
WEL III 20 16 26 21.3–.49 37.89S 175.93E 184–4 3.5L
¶12791275
WEL Event type ke. Error ellipse: s-maj=5.8km s-min=5.2km az=90.0.
ISC III 21 20 28 17.5–.31 37.85S–.03 176.84E–.04 168–2 4.9b 650 0-178
DJA III 21 20 27 57.4–.80 37S–11 178E–13 10 6.4,5.5b ¶15153335
AUST III 21 20 28 11.9–.41 37.72S 176.93E 99–0 6.4,5.5b
BJI III 21 20 28 13.9 38.08S 177.23E 164 5.4b,5.1b
ISCJB III 21 20 28 16.9–.22 37.88S–.02 176.72E–.04 170–1 4.9b,5.1b
NEIC III 21 20 28 16.8–.24 37.86S 176.79E 165 4.8b,5.1b
WEL III 21 20 28 18.3–.18 37.78S 176.76E 158–1 6.1L,5.1b
MOS III 21 20 28 18.5–1.1 37.60S 176.72E 179 5.0b,5.1b
IDC III 21 20 28 18.7–.67 37.51S 176.89E 176–5 4.6,4.5
GCMT III 21 20 28 20.1–.20 37.77S 176.93E 163–1 5.1W,4.5
ISC Event type fe.
AUST Error ellipse: s-maj=1.2km s-min=0.8km az=249.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.9km az=171.9.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.2km az=99.0. Felt widely on the North Island.
WEL Event type fe. Error ellipse: s-maj=1.5km s-min=1.2km az=90.0. Felt between Coromandel, Canterbury and Gisborne, maximum reported intensity. MM 6.
MOS Error ellipse: s-maj=13.8km s-min=10.7km az=124.2.
IDC Error ellipse: s-maj=13.0km s-min=9.4km az=52.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c80; s84,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}2.64±.15 $M_{\theta\theta}$1.24±.18; $M_{\phi\phi}$-3.88±.16; $M_{r\theta}$4.08±.13; $M_{\theta\phi}$-0.53±.15; $M_{\phi r}$3.36±.12; Best double couple: NP1:ϕ_s157.00000°,δ27.00000°,λ29.00000°. NP2:ϕ_s41.00000°,δ77.00000°,λ114.00000°. Principal axes: T 6.5900,Plg52.0000° ,Azm339.0000°; N -0.5700,Plg24.0000°,Azm215.0000°; P -6.0200,Plg28.0000° ,Azm112.0000° $M_0$6.30000×10^{16}
WEL III 22 03 35 58.9–.28 38.48S 175.89E 156–2 4.0L
¶12791297
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=0.0.
WEL III 22 05 10 49.2–.06 41.26S 175.18E 26–0 3.5L
¶12791298
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0. Felt in the Wellington region, maximum reported intensity MM 4.
WEL III 25 07 19 42.0–.30 38.69S 175.32E 224–2 3.9L
NEIC III 25 07 19 43.4 38.75S 175.30E 213 4.0 ¶12791333
WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=0.0.
NEIC Event type se. After WEL.
WEL III 26 16 17 05.8–.07 37.82S 176.68E 5 3.6L
¶12791347
WEL Event type fe. Error ellipse: s-maj=0.6km s-min=0.4km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
WEL III 29 00 53 47.1–.30 38.05S 176.53E 137–2 3.7L
¶12723274
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=0.0.
WEL III 29 02 38 20.4–.11 38.88S 175.95E 87–1 3.9L
¶12723275
WEL Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0.
WEL III 29 06 11 12.8–.04 39.19S 175.03E 5 3.5L
¶12723276
WEL Event type fe. Error ellipse: s-maj=0.5km s-min=0.3km az=0.0. Felt in the King Country region, maximum reported intensity MM 4.
WEL III 29 21 56 47.3–.44 37.46S 176.35E 196–4 3.7L
¶12723278
WEL Event type ke. Error ellipse: s-maj=6.6km s-min=5.5km az=90.0.
WEL III 30 08 21 04.0–.37 38.07S 176.03E 207–2 3.9L
¶12723280
WEL Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=0.0.
WEL III 30 18 58 54.8–.33 38.24S 176.25E 158–2 3.9L
¶12723282
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=0.0.
ISC III 31 10 46 01.0–.57 37.98S–.04 176.33E–.03 181–3 3.9b 203 0-155
ISCJB III 31 10 45 59.6–.37 37.96S–.03 176.23E–.05 186–3 4.0b ¶12084866
IDC III 31 10 45 59.9–1.4 37.71S 175.53E 105–26 3.8,3.7b
NEIC III 31 10 45 59.4 37.75S 176.42E 182 4.5b,3.7b
WEL III 31 10 45 59.4–.43 37.76S 176.43E 182–3 5.0L,3.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=5.3km az=10.5.
IDC Error ellipse: s-maj=29.7km s-min=18.8km az=142.0.
NEIC Event type fe. Felt at Mahora. After WEL.
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=1.9km az=90.0. Felt in the Hawke"s Bay region, maximum reported intensity MM 4.
WEL IV 01 04 30 45.3–.41 39.67S 174.18E 196–3 3.5L
¶14210502
WEL Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=90.0.
WEL IV 02 11 24 59.7–.31 39.09S 174.96E 196–2 3.6L
¶14210528
WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=90.0.
WEL IV 03 06 29 48.2–.38 37.72S 176.56E 149–4 3.5L
¶14210551
WEL Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=0.0.
WEL IV 05 05 16 57.7–.09 37.79S 176.78E 5 3.6L
¶14210610
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
WEL IV 08 00 35 37.3–.34 38.53S 175.89E 163–2 3.8L
¶14210747
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=0.0.
WEL IV 10 11 27 56.8–.22 38.07S 176.46E 123–1 3.7L
¶14210870
WEL Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=90.0.
WEL IV 11 05 35 45.6–.42 38.78S 175.29E 214–3 3.8L
¶14210893
WEL Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=0.0.
WEL IV 11 16 36 59.9–.32 38.58S 175.81E 166–2 3.7L
¶14210902
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=0.0.
WEL IV 11 22 40 57.2–.48 37.86S 176.32E 177–4 3.7L
¶14210911
WEL Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=90.0.
WEL IV 12 02 40 05.0–.27 37.36S 176.68E 219–2 3.9L
¶14210921
WEL Event type ke. Error ellipse: s-maj=3.0km s-min=3.0km az=0.0.
WEL IV 12 16 05 57.7–.33 38.45S 175.89E 146–2 3.6L
¶14210940
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.8km az=0.0.
WEL IV 14 15 46 45.4–.17 38.35S 176.29E 117–1 3.9L
¶14211003
WEL Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=90.0.
WEL IV 14 15 48 34.1–.26 39.21S 174.77E 223–2 3.6L
¶14211004
WEL Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=90.0.
WEL IV 16 10 02 58.9–.16 38.26S 177.73E 45–2 3.5L
¶14211052
WEL Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.
WEL IV 17 02 06 59.5–.37 39.09S 174.86E 222–3 3.8L
¶14211073
WEL Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=0.0.
WEL IV 18 08 30 31.4–.46 38.12S 176.06E 167–4 3.7L
¶14211104
WEL Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=0.0.
WEL IV 19 16 49 23.2–.34 38.44S 175.68E 164–3 4.1L
¶14211140
WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=90.0.
ISC IV 20 13 14 13.3–.95 40.72S–.03 175.53E–.04 36–5 3.9b 63 0-147
IDC IV 20 13 14 07.9–3.0 40.73S 175.52E 0 3.7,3.7 ¶12935727
ISCJB IV 20 13 14 14.0–.33 40.71S–.03 175.51E–.04 42–5 3.6b,3.7
WEL IV 20 13 14 14.6–.07 40.69S 175.53E 31–0 3.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=72.7km s-min=28.5km az=138.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=3.6km az=38.1.
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=90.0. Felt from Manawatu to Wellington, maximum reported intensity MM 5.
WEL IV 23 12 18 11.7–.33 39.03S 175.04E 195–2 3.8L
¶14211224
WEL Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=0.0.
WEL IV 23 19 42 09.5–.49 38.71S 175.71E 149–3 3.5L
¶14211235
WEL Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=90.0.
WEL IV 25 13 19 44.6–.28 37.85S 176.66E 142–2 3.6L
¶14211288
WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=0.0.
WEL IV 25 21 13 59.3–.19 37.01S 176.32E 252–3 3.6L
¶14211299
WEL Event type ke. Error ellipse: s-maj=7.5km s-min=4.3km az=90.0.
WEL IV 26 14 03 45.9–.10 37.81S 176.67E 2 3.6L
¶14211309
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
WEL IV 27 11 41 03.6–.41 38.09S 176.33E 138–3 3.5L
¶14211332
WEL Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=90.0.
WEL IV 28 00 14 01.3–.35 38.59S 175.74E 152–3 3.5L
¶14211344
WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=90.0.
ISC IV 28 09 54 46.4–.63 41.05S–.02 175.43E–.03 34–1 3.5b 127 0-152
ISCJB IV 28 09 54 46.6–.38 41.12S–.03 175.49E–.05 47–3 3.8s,3.5b ¶12936357
IDC IV 28 09 54 46.6–.95 41.00S 175.44E 32–4 3.9s,3.9
NEIC IV 28 09 54 47.7 41.05S 175.44E 35 4.3L,3.9b
WEL IV 28 09 54 47.6–.04 41.05S 175.43E 34–0 4.2L,3.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=3.5km az=38.1.
IDC Error ellipse: s-maj=30.6km s-min=22.5km az=148.0.
NEIC Event type fe. Felt [IV] at Awapuni, Carterton, Featherston, Greytown, Hokowhitu, Levin, Martinborough, Masterton, Otaki, Palmerston North, Paraparaumu, Raumati Beach, Silverstream, Solway, Upper Hutt and Waikanae. Also felt at Wellington. After WEL.
WEL Event type fe. Error ellipse: s-maj=0.6km s-min=0.5km az=90.0. Felt from Wanganui to Wairarapa, maximum reported intensity MM 5.
WEL IV 28 17 35 54.0–.06 39.29S 175.17E 26–0 3.0L
¶14211357
WEL Event type ke. Error ellipse: s-maj=0.7km s-min=0.7km az=90.0.
WEL IV 29 14 44 52.8–.22 38.42S 176.22E 110–1 3.6L
¶14211374
WEL Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=90.0.
WEL IV 30 11 47 42.6–.16 39.09S 176.39E 91–1 3.8L
¶14211392
WEL Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=90.0.
WEL V 03 19 36 18.1–.32 39.60S 174.06E 166–2 3.5L
¶14301499
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=90.0.
WEL V 05 14 52 20.1–.51 38.22S 175.91E 156–4 3.7L
¶14301550
WEL Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=0.0.
WEL V 05 15 35 56.7–.41 38.13S 175.70E 162–5 3.5L
¶14301551
WEL Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=90.0.
WEL V 05 22 48 05.3–.67 38.55S 175.75E 160–5 3.5L
¶14301559
WEL Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=0.0.
WEL V 06 05 14 59.5–.46 38.25S 176.12E 150–4 3.5L
¶14301574
WEL Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=0.0.
WEL V 06 15 03 20.8–.50 38.41S 175.92E 176–4 3.5L
¶14301584
WEL Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=90.0.
WEL V 06 21 23 34.4–.50 38.42S 175.81E 171–3 3.6L
¶14301593
WEL Event type ke. Error ellipse: s-maj=4.0km s-min=4.0km az=90.0.
WEL V 07 20 17 59.5–.20 38.66S 175.46E 177–1 4.3L
¶14301635
WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=0.0.
WEL V 09 02 59 05.6–.29 37.57S 176.42E 177–2 3.9L
¶14301719
WEL Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=90.0.
ISC V 09 15 53 29.3–.80 37.45S–.06 176.67E–.05 215–5 3.7b 217 0-155
IDC V 09 15 53 27.8–2.0 36.91S 176.97E 195–12 3.7,3.5 ¶13678620
ISCJB V 09 15 53 28.8–.55 37.45S–.04 176.64E–.07 220–3 3.6b,3.5
WEL V 09 15 53 30.1–.31 37.28S 176.82E 197–2 4.7L,3.5
NEIC V 09 15 53 30.1 37.28S 176.82E 197 4.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=46.5km s-min=18.5km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.5km az=159.5.
WEL Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=0.0.
NEIC Event type se. After WEL.
WEL V 09 19 19 37.0–.41 39.14S 174.91E 224–3 3.7L
¶14301737
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=90.0.
WEL V 10 17 09 57.6–.12 39.64S 175.47E 64–1 3.6L
¶14301759
WEL Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=90.0.
WEL V 11 00 17 07.5–.78 38.30S 175.99E 125–8 3.5L
¶14301765
WEL Event type ke. Error ellipse: s-maj=5.6km s-min=4.8km az=90.0.
ISC V 11 18 31 02.8–.75 39.19S–.05 174.75E–.05 216–5 199 0-153
ISCJB V 11 18 31 01.8–.48 39.19S–.04 174.71E–.05 218–4 2.9b ¶13678767
IDC V 11 18 31 02.5–1.4 39.24S 174.85E 202–14 3.3,3.2
WEL V 11 18 31 03.8–.32 39.14S 174.80E 208–2 4.6L,3.2
NEIC V 11 18 31 03.8 39.14S 174.80E 208 4.6,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.1km az=44.7.
IDC Error ellipse: s-maj=33.8km s-min=21.7km az=153.0.
WEL Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=90.0.
NEIC Event type se. After WEL.
WEL V 12 07 36 00.5–.60 38.19S 176.14E 151–4 3.5L
¶14301817
WEL Event type ke. Error ellipse: s-maj=4.6km s-min=4.5km az=0.0.

WEL V 12 14 47 20.0–.33 39.10S 174.94E 222–2 4.1L
¶14301825

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=0.0.
WEL V 12 20 41 57.2–.23 37.02S 176.71E 211–2 4.2L
¶14301832

WEL Event type ke. Error ellipse: s-maj=4.1km s-min=4.0km az=0.0.
WEL V 13 21 51 16.6–.27 38.48S 175.91E 148–2 3.6L
¶14301872

WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=0.0.
WEL V 14 11 14 25.2–.08 40.21S 175.01E 12 3.6L
¶14301903

WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.6km az=90.0. Felt from Wanganui to Manawatu, maximum reported intensity MM 4.
WEL V 15 07 28 23.6–.52 37.69S 176.08E 188–5 3.6L
¶14301959

WEL Event type ke. Error ellipse: s-maj=6.4km s-min=6.0km az=90.0.
WEL V 17 21 06 38.0–.32 37.77S 176.81E 163–2 4.1L
¶14302065

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=90.0.
WEL V 19 00 48 03.7–.38 38.16S 176.39E 118–3 3.6L
¶14302135

WEL Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=0.0.
WEL V 19 10 13 20.2–.63 38.10S 176.26E 166–5 3.6L
¶14302143

WEL Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=0.0.
WEL V 19 16 52 18.9–.62 38.53S 175.72E 187–5 3.5L
¶14302153

WEL Event type ke. Error ellipse: s-maj=3.8km s-min=3.8km az=0.0.
WEL V 20 23 25 31.3–.58 38.96S 175.14E 217–4 3.7L
¶14302194

WEL Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=90.0.
ISC V 21 02 07 35.8–3.0 39.6S–.10 174.17E–.09 210–19 28 1-3
ISCJB V 21 02 07 37.7–1.3 39.70S–.09 174.2E–.10 196–10 **¶14302224**
WEL V 21 02 07 38.2–.38 39.71S 174.27E 201–3 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=9.0km az=137.6.
WEL Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=90.0.
WEL V 21 06 37 42.6–.99 38.27S 175.25E 254–9 3.5L
¶14302227

WEL Event type ke. Error ellipse: s-maj=10.8km s-min=10.2km az=90.0.
WEL V 21 09 22 29.3–.35 37.85S 176.09E 168–3 3.7L
¶14302229

WEL Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=0.0.
WEL V 22 19 19 03.4–.31 38.60S 176.07E 112–3 3.5L
¶14302290

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=0.0.
ISC V 23 05 31 00.6–.93 40.51S–.02 175.41E–.02 34–2 101 0-152
ISCJB V 23 05 31 01.4–.33 40.57S–.02 175.47E–.04 46–5 3.6b **¶13679452**
WEL V 23 05 31 01.9–.06 40.56S 175.46E 35–0 3.9L
NEIC V 23 05 31 01.9 40.56S 175.46E 35 3.9L
IDC V 23 05 31 04.7–2.2 40.18S 175.49E 76–19 3.6,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.4km az=26.3.
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0. Felt between Wanganui, Wellington and Manawatu, maximum reported intensity MM. 5.
NEIC Event type fe. Felt in the Wanganui-Wellington area. After WEL.
IDC Error ellipse: s-maj=38.9km s-min=16.4km az=135.0.
ISC V 23 19 07 58.8–1.0 38.10S–.05 176.75E–.05 141–6 59 0-150
IDC V 23 19 07 57.3–3.5 37.61S 176.94E 121–51 3.2,3.1 **¶13679484**
ISCJB V 23 19 07 58.5–.58 38.11S–.04 176.73E–.06 140–4 3.0b,3.1
WEL V 23 19 08 00.2–.26 38.05S 176.76E 130–2 4.1L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=168.1km s-min=40.2km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.5km az=165.7.
WEL Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=90.0.
WEL V 24 05 29 33.5–.63 37.96S 176.29E 142–8 3.5L
¶14302370

WEL Event type ke. Error ellipse: s-maj=8.7km s-min=8.1km az=90.0.
WEL V 25 10 51 17.0–.34 37.98S 176.37E 153–2 4.0L
NEIC V 25 10 51 17.0 37.98S 176.37E 153 4.0 **¶14302441**
WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=0.0.
NEIC Event type se. After WEL.
WEL V 26 15 31 11.9–.58 39.55S 174.18E 264–4 3.7L
¶14302492

WEL Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=90.0.
WEL V 27 04 47 54.7–.12 39.15S 176.19E 60–1 3.6L
¶14302536

WEL Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0.
WEL V 27 14 50 43.8–.40 38.52S 175.66E 172–3 3.8L
¶14302544

WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=0.0.
WEL V 27 17 06 20.0–.33 38.43S 176.02E 152–2 3.5L
¶14302546

WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=0.0.
WEL V 27 20 42 24.0–.96 38.04S 175.80E 186–7 3.6L
¶14302548

WEL Event type ke. Error ellipse: s-maj=8.1km s-min=6.2km az=0.0.
WEL V 28 23 22 12.1–.48 37.84S 176.11E 172–4 3.6L
¶14302635

WEL Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=0.0.
WEL V 29 10 39 51.1–.38 38.37S 175.94E 168–3 4.0L
¶14302701

WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=90.0.
WEL V 31 12 06 09.7–.82 37.64S 176.28E 288–10 3.5L
¶14277289

WEL Event type ke. Error ellipse: s-maj=27.4km s-min=14.0km az=90.0.
WEL V 31 14 31 04.4–.05 39.04S 175.73E 5 2.8L
NEIC V 31 14 31 04.5 39.04S 175.72E 6 3.8L **¶14277292**
WEL Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=90.0.
NEIC Event type fe. Felt [IV] at Turangi. After WEL.
WEL V 31 14 31 07.0–.13 39.04S 175.74E 7–2 3.8L
¶14277293

WEL Event type fe. Error ellipse: s-maj=1.2km s-min=0.9km az=90.0. Felt from Taupo to King Country, maximum reported intensity MM 5.
WEL VI 01 11 34 46.7–.30 38.58S 175.73E 175–2 3.7L
¶14310945

WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=90.0.
WEL VI 01 16 52 13.7–.30 39.53S 174.28E 209–2 3.6L
¶14310951

WEL Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=90.0.
WEL VI 01 22 50 17.6–.15 38.69S 176.35E 84–1 3.6L
¶14310955

WEL Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0.
WEL VI 04 02 32 10.9–.17 40.42S 176.59E 26–1 3.5L
¶14311047

WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.2km az=90.0.
WEL VI 04 04 24 08.0–.23 38.79S 175.74E 137–2 3.5L
¶14311050

WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=90.0.
WEL VI 04 17 02 28.7–.32 38.89S 175.24E 216–2 3.6L
¶14311074

WEL Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=90.0.
WEL VI 05 02 50 41.5–.20 37.20S 176.71E 189–2 3.8L
¶14305665

WEL Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=90.0.
WEL VI 05 23 35 52.4–.18 39.73S 174.60E 120–1 3.5L
¶14305685

WEL Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=90.0.
WEL VI 06 09 27 48.3–.35 38.00S 176.38E 156–2 3.9L
¶14305693

WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=0.0.
WEL VI 08 14 15 29.9–.40 38.71S 175.41E 203–3 3.5L
¶14305784

WEL Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=90.0.
WEL VI 08 15 51 56.9–.63 37.92S 176.16E 155–6 3.5L
¶14305788

WEL Event type ke. Error ellipse: s-maj=7.9km s-min=6.3km az=90.0.
WEL VI 11 16 19 41.1–.61 37.98S 176.34E 155–4 3.7L
¶14305924

WEL Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=0.0.
WEL VI 12 20 49 02.1–.10 39.75S 176.59E 32–1 2.6L
¶14305972

WEL Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=90.0.
WEL VI 12 20 49 04.7–.14 40.06S 176.90E 38–1 3.3L
¶14305973

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=90.0.
WEL VI 15 06 09 06.8–.43 39.15S 174.95E 210–3 3.6L
¶14306046

WEL Event type ke. Error ellipse: s-maj=3.4km s-min=3.2km az=90.0.
WEL VI 15 12 31 01.4–.38 38.21S 176.05E 173–3 3.9L
¶14306054

WEL Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=0.0.
WEL VI 17 06 22 52.8–.25 39.03S 175.08E 207–1 3.6L
¶14306156

WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=0.0.
ISC VI 17 17 57 56.9–.56 38.29S–.04 176.17E–.05 170–4 3.9b 221 0-154
ISCJB VI 17 17 57 56.3–.32 38.23S–.03 176.16E–.05 172–2 3.9b **¶15156181**
IDC VI 17 17 57 56.3–.56 38.37S 176.23E 160–9 3.8,3.7
WEL VI 17 17 57 57.4–.23 38.14S 176.21E 166–1 5.1L,3.7
NEIC VI 17 17 57 57.4 38.14S 176.20E 166 4.1b,3.7
AUST VI 17 17 58 06.4 38.45S 173.81E 100 4.1b,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.3km az=1.8.
IDC Error ellipse: s-maj=27.2km s-min=23.3km az=151.0.
WEL Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=90.0. Felt from Bay of Plenty to Wellington, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Tokoroa and in the Taradale area. After WEL.
WEL VI 18 04 32 09.6–.46 37.52S 176.21E 184–5 3.6L
¶14306189

WEL Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=90.0.
WEL VI 18 16 01 04.4–.45 37.82S 176.23E 178–4 3.5L
¶14306195

WEL Event type ke. Error ellipse: s-maj=4.0km s-min=3.9km az=0.0.
WEL VI 18 18 33 29.4–.23 38.43S 176.03E 158–1 3.5L
¶14306201

WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=0.0.
WEL VI 18 20 47 40.2–.29 38.65S 175.29E 221–2 3.9L
¶14306206

WEL Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=90.0.
WEL VI 19 00 43 41.8–.20 40.80S 176.47E 24–1 3.5L
¶14306227

WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=90.0.
WEL VI 20 15 14 06.7–.40 39.60S 174.20E 214–3 4.0L
¶14306291

WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=90.0.
WEL VI 24 02 15 44.1–.79 37.82S 176.21E 249–15 3.6L
¶14306431

WEL Event type ke. Error ellipse: s-maj=27.6km s-min=15.1km az=0.0.
WEL VI 24 14 59 56.3–.21 38.45S 176.00E 144–1 4.3L
¶14306444

WEL Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.
WEL VI 25 00 29 56.8–.08 38.97S 175.75E 5 3.5L
NEIC VI 25 00 29 57.0 38.96S 175.74E 3 3.5L **¶14306471**
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0. Felt from Taupo to King Country, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Turangi. After WEL.
WEL VI 25 18 01 38.0–.39 37.08S 176.40E 286–4 3.7L
¶14306490

WEL Event type ke. Error ellipse: s-maj=8.0km s-min=5.5km az=90.0.
WEL VI 26 07 58 38.5–.13 39.75S 176.85E 26–1 3.7L
NEIC VI 26 07 58 38.2 39.79S 176.89E 28 3.7L **¶14306521**
WEL Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=90.0. Felt in the Hawke"s Bay region, maximum reported intensity MM 4.
NEIC Event type fe. Felt in the Taradale area. After WEL.
WEL VI 26 13 01 56.8–.09 38.98S 175.76E 5 4.4L
NEIC VI 26 13 01 56.6 38.96S 175.74E 3 4.3L,4.0b **¶14306525**
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.9km az=90.0. Felt from Taupo to King Country, maximum reported intensity MM 5.
NEIC Event type fe. Felt [V] at Pukawa and [IV] at Motuoapa and Turangi. After WEL.
ISC VI 26 17 21 21.8–.79 38.92S–.02 175.76E–.02 8–4 4.1b,3.9s 182 0-154
IDC VI 26 17 21 21.0–.80 38.75S 175.76E 0 4.3,4.1b **¶13682077**
ISCJB VI 26 17 21 21.5–.33 38.93S–.02 175.73E–.03 5–3 4.0b,3.9s
NEIC VI 26 17 21 21.9–.22 38.92S 175.74E 3–2 4.4L,3.9s
WEL VI 26 17 21 21.7–.14 38.98S 175.75E 3–1 4.4L,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=28.0km s-min=16.5km az=160.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.3km az=29.1.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=116.0. Felt at Turangi and Lake Taupo.
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0. Felt from Taupo to King Country, maximum reported intensity MM 5.
WEL VI 26 17 21 44.7–.20 39.01S 175.76E 5 3.6L
¶14306537

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=90.0.
WEL VI 26 22 04 05.7–.08 38.96S 175.75E 5 2.8L
¶14306549

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0. Felt in the Taupo region, maximum reported intensity MM 4.
WEL VI 26 22 04 22.8–.05 38.95S 175.77E 5 2.7L
¶14306550

WEL Event type ke. Error ellipse: s-maj=0.5km s-min=0.4km az=90.0.
WEL VI 27 02 09 57.5–.40 38.08S 176.35E 155–3 4.2L
¶14306632

WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=0.0.
WEL VI 27 21 29 36.4–.42 38.16S 176.34E 122–3 3.5L
¶14306644

WEL Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=90.0.
WEL VI 28 10 57 14.9–.07 39.27S 174.84E 24–1 3.5L
¶14306731

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.6km az=0.0. Felt in the Taranaki region, maximum reported intensity MM 4.
WEL VI 28 20 42 15.2–.43 38.28S 175.00E 208–6 3.7L
¶14306734

WEL Event type ke. Error ellipse: s-maj=8.8km s-min=6.1km az=90.0.
WEL VI 29 18 39 17.4–.22 39.77S 174.22E 135–2 3.6L
¶14306783

WEL Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=90.0.
WEL VI 29 23 22 46.2–.47 37.12S 176.78E 210–4 3.7L
¶14306786

WEL Event type ke. Error ellipse: s-maj=6.7km s-min=4.3km az=90.0.
WEL VI 30 22 52 00.5–.38 37.72S 176.30E 281–3 3.9L
¶14306852

WEL Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=0.0.

(160) Off east coast of North Island.

WEL I 02 14 58 29.6–.20 39.16S 177.83E 55–1 4.0L
NEIC I 02 14 58 28.9 39.20S 177.91E 58 4.1L **¶11751932**
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=1.1km az=90.0. Felt from Gisborne to Hawke"s Bay, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL I 04 14 22 38.3–.35 37.50S 177.06E 164–2 3.6L
¶11751987

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=90.0.
WEL I 05 10 44 43.0–.38 35.82S 178.48E 227–3 4.1L
NEIC I 05 10 44 42.6 35.78S 178.56E 227 4.1 ¶11752006
WEL Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=90.0.
NEIC Event type se. After WEL.
WEL I 06 10 02 31.0–.55 35.99S 178.49E 198–7 3.5L
¶11752026

WEL Event type ke. Error ellipse: s-maj=14.0km s-min=9.0km az=90.0.
WEL I 06 20 47 59.6–.83 37.28S 179.88E 33 3.6L
¶11752036

WEL Event type ke. Error ellipse: s-maj=7.2km s-min=5.5km az=90.0.
WEL I 07 20 35 53.2–.28 37.52S 177.24E 140–1 3.7L
¶11752051

WEL Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=0.0.
WEL I 09 22 31 32.5–.67 35.83S 178.24E 198–10 3.5L
¶11752099

WEL Event type ke. Error ellipse: s-maj=13.9km s-min=9.0km az=90.0.
WEL I 10 10 32 08.5–.54 36.08S 178.41E 199–7 3.7L
¶11752111

WEL Event type ke. Error ellipse: s-maj=10.3km s-min=8.9km az=90.0.
ISC I 10 11 53 24.4–.47 35.37S–.04 178.86E–.05 203–3 4.8b 307 2-163
BJI I 10 11 53 22.2 34.86S 179.05E 176 5.3b,5.0b ¶13404793
ISCJB I 10 11 53 24.3–.37 35.28S–.03 178.74E–.07 200 4.7b,5.0b
NEIC I 10 11 53 25.2 35.32S 178.90E 211 4.9b,5.0b
WEL I 10 11 53 26.1–.71 35.39S 178.80E 212–6 5.5L,5.0b
IDC I 10 11 53 29.6–1.7 34.88S 178.72E 237–15 4.6,4.5b
DJA I 10 11 53 39 34.99S 178.37E 327 4.5b,4.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.6km az=4.2.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=5.9km s-min=5.4km az=0.0.
IDC Error ellipse: s-maj=13.7km s-min=10.3km az=14.0.
WEL I 13 17 14 14.4–.32 35.83S 178.60E 33 3.6L
¶11752172

WEL Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=90.0.
WEL I 13 19 12 58.6–.14 37.89S 177.52E 55–1 3.5L
¶11752175

WEL Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=90.0.
WEL I 14 14 51 06.2–.42 37.26S 177.71E 85–4 3.6L
¶11752194

WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=90.0.
WEL I 14 22 10 57.1–.76 37.40S 177.54E 229–6 3.6L
¶11752200

WEL Event type ke. Error ellipse: s-maj=7.2km s-min=6.9km az=90.0.
WEL I 15 07 33 28.4–.61 36.88S 177.08E 219–6 4.0L
NEIC I 15 07 33 27.9 36.80S 176.95E 216 4.0 ¶11752207
WEL Event type ke. Error ellipse: s-maj=8.3km s-min=7.3km az=90.0.
NEIC Event type se. After WEL.
WEL I 15 07 38 51.8–.83 35.56S 178.58E 209–12 3.8L
¶11752208

WEL Event type ke. Error ellipse: s-maj=26.2km s-min=13.8km az=90.0.
WEL I 15 18 50 11.6–.40 36.34S 177.58E 237–5 3.6L
¶11752218

WEL Event type ke. Error ellipse: s-maj=5.8km s-min=5.4km az=0.0.
ISC I 16 14 33 26.5–1.2 36.71S–.10 177.95E–.09 200–7 118 1-150
IDC I 16 14 33 20.7–11 36.80S 178.34E 151–107 4.1s,4.1 ¶11752229
WEL I 16 14 33 25.5–.28 36.46S 177.98E 178–3 4.3L,4.1
NEIC I 16 14 33 26.2 36.49S 177.96E 172 4.2,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=93.7km s-min=49.2km az=20.0.
WEL Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=0.0.
NEIC Event type se. After WEL.
WEL I 18 09 12 54.5–.62 35.51S 178.57E 225–11 3.9L
¶11752258

WEL Event type ke. Error ellipse: s-maj=9.2km s-min=8.2km az=90.0.
WEL I 19 12 42 27.5–.47 35.75S 179.79E 33 3.7L
¶11752282

WEL Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=90.0.
WEL I 20 09 39 26.1–.52 35.21S 178.82E 213–13 3.6L
¶11752303

WEL Event type ke. Error ellipse: s-maj=15.4km s-min=9.2km az=90.0.
ISC I 22 02 50 12.3–1.0 37.34S–.05 177.87E–.06 72–8 89 0-150
IDC I 22 02 50 00.5–3.4 37.40S 178.49E 0 3.9,3.7 ¶11752339
ISCJB I 22 02 50 12.2–.70 37.34S–.04 177.85E–.06 76–5 3.6b,3.7
WEL I 22 02 50 13.8–.21 37.27S 177.80E 47–2 4.1L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=204.0km s-min=55.8km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.2km az=141.8.
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=0.0.
WEL I 23 22 34 56.6–.42 37.18S 178.41E 30–1 4.0L
¶11752375

WEL Event type ke. Error ellipse: s-maj=2.6km s-min=2.6km az=90.0.
WEL I 24 10 44 05.8–.22 37.70S 177.43E 104–2 3.9L
NEIC I 24 10 44 05.5 37.70S 177.44E 108 3.8 ¶11752384
WEL Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=0.0.
NEIC Event type se. After WEL.
WEL I 24 22 11 04.5–.58 35.66S 178.54E 217–10 4.2L
NEIC I 24 22 11 02.3 35.43S 178.62E 206 4.3 ¶11752392
WEL Event type ke. Error ellipse: s-maj=10.1km s-min=9.6km az=90.0.
NEIC Event type se. After WEL.
WEL I 25 13 47 21.8–.75 36.74S 177.42E 128–20 2.5L
IDC I 25 13 46 33.8–7.0 30.65S 179.08W 0 4.0,3.8b ¶11752407
WEL Event type ke. Error ellipse: s-maj=16.7km s-min=13.8km az=90.0.
IDC Error ellipse: s-maj=287.9km s-min=55.7km az=156.0.
WEL I 25 14 56 53.4–.49 36.88S 177.43E 160–4 3.5L
¶11752411

WEL Event type ke. Error ellipse: s-maj=5.4km s-min=5.0km az=90.0.
WEL I 26 13 59 48.0–.37 37.04S 177.19E 5 3.5L
¶11752433

WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=0.0.
WEL I 27 00 03 49.1–.37 37.04S 177.83E 54–4 3.9L
¶11752441

WEL Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=0.0.
WEL I 27 17 35 54.5–.87 35.78S 179.82E 33 4.0L
¶11752453

WEL Event type ke. Error ellipse: s-maj=10.2km s-min=7.8km az=90.0.
WEL I 28 03 34 00.7–.45 36.98S 177.16E 5 4.1L
¶11752465

WEL Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=90.0.
WEL I 29 03 40 55.7–.38 36.91S 176.93E 248–5 4.2L
¶11752487

WEL Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=0.0.
ISC I 29 19 14 13.7–.87 37.79S–.04 177.60E–.04 51–7 4.1b 49 0-155
ISCJB I 29 19 14 12.9–.57 37.79S–.05 177.60E–.06 61–5 4.0b ¶11752495
WEL I 29 19 14 14.5–.20 37.74S 177.58E 44–3 4.5L
NEIC I 29 19 14 14.6 37.77S 177.58E 41 4.5L
IDC I 29 19 14 14.9–9.0 38.14S 177.31E 56–73 4.1,4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=7.3km az=147.6.
WEL Event type fe. Error ellipse: s-maj=1.4km s-min=1.0km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
IDC Error ellipse: s-maj=59.4km s-min=40.3km az=47.0.
WEL I 30 00 15 16.7–.28 36.94S 177.18E 12 3.5L
¶11752504

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=0.0.
WEL I 31 13 40 22.3–.65 36.40S 178.42E 88–4 4.2L
¶11752529

WEL Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=90.0.
WEL I 31 15 18 32.3–1.0 36.20S 178.13E 233–10 3.6L
¶11752534

WEL Event type ke. Error ellipse: s-maj=19.8km s-min=14.5km az=90.0.
NEIC I 31 16 53 44.3 36.94S 177.17E 12 4.5L
WEL I 31 16 53 44.2–.33 37.00S 177.18E 5 4.5L ¶11752538
IDC I 31 16 53 48.5–8.3 37.52S 176.39E 0 4.0,3.9b
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=0.0.
IDC Error ellipse: s-maj=260.1km s-min=30.4km az=46.0.
WEL II 01 03 31 51.0–.41 36.88S 179.60E 5 3.5L
¶12082876

WEL Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=0.0.
WEL II 01 05 30 51.8–.23 37.02S 177.19E 33 4.4L
NEIC II 01 05 30 50.4 36.93S 177.19E 12 4.5L ¶12082882
WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=0.0.
NEIC Event type se. After WEL.
WEL II 01 06 50 36.7–.72 36.71S 178.19E 12 3.5L
¶12082884

WEL Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=90.0.
WEL II 01 14 59 16.8–.30 35.79S 177.90E 204–7 3.5L
¶12082890

WEL Event type ke. Error ellipse: s-maj=6.6km s-min=6.1km az=0.0.
ISC II 03 03 56 38.1–1.6 36.0S–.10 179.5E–.20 35 38 2-157
IDC II 03 03 56 33.4–2.1 35.27S 179.40E 0 4.3,4.0 ¶12082910
WEL II 03 03 56 38.3–.79 35.99S 179.51E 33 4.0L,4.0
NEIC II 03 03 56 40.7 36.45S 179.33E 166 4.0,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=77.1km s-min=43.9km az=24.0.
WEL Event type ke. Error ellipse: s-maj=10.0km s-min=5.3km az=90.0.
NEIC Event type se. After WEL.
ISC II 03 09 18 30.5–.80 37.86S–.03 177.58E–.03 58–6 4.2b 196 0-155
IDC II 03 09 18 25.2–2.1 36.24S 177.63E 0 4.4,4.2b ¶12082913
ISCJB II 03 09 18 29.5–.41 37.88S–.03 177.61E–.04 70–4 4.2b,4.2b
NEIC II 03 09 18 31.2 37.79S 177.57E 46 4.5L,4.2b
WEL II 03 09 18 31.2–.16 37.80S 177.58E 45–2 4.5L,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=143.8km s-min=42.7km az=0.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.5km az=152.1.
NEIC Event type se. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=0.0. Felt from Bay of Plenty to Hawke"s Bay, maximum reported intensity MM 6.
WEL II 04 18 17 09.2–.38 36.28S 177.63E 204–4 4.2L
¶12082936

WEL Event type ke. Error ellipse: s-maj=6.2km s-min=4.4km az=90.0.
WEL II 04 21 50 08.1–.09 36.71S 177.04E 206–1 3.5L
¶12082939

WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=90.0.
WEL II 05 04 52 54.7–.16 37.03S 177.15E 5 4.3L
¶12082945

WEL Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=0.0.
WEL II 05 06 37 01.3–.24 37.04S 177.16E 5 4.4L
NEIC II 05 06 37 01.0 36.99S 177.19E 5 4.5L ¶12082947
WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=0.0.
NEIC Event type se. After WEL.
WEL II 05 06 42 51.4–.30 37.06S 177.17E 5 3.9L
¶12082948

WEL Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=0.0.
WEL II 05 06 58 22.4–.30 37.07S 177.16E 5 4.0L
¶12082949

WEL Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=0.0.
WEL II 05 09 23 49.7–.62 35.36S 178.72E 179–13 3.6L
¶12082957

WEL Event type ke. Error ellipse: s-maj=18.4km s-min=10.3km az=90.0.
WEL II 05 16 24 15.0–.17 35.50S 177.98E 231–3 3.5L
¶12082963

WEL Event type ke. Error ellipse: s-maj=6.0km s-min=3.1km az=90.0.
WEL II 05 23 30 15.3–.59 36.71S 176.68E 288–6 3.8L
¶12082972

WEL Event type ke. Error ellipse: s-maj=7.9km s-min=6.3km az=90.0.
WEL II 06 08 04 58.2–.49 36.21S 177.73E 229–4 3.9L
¶12082978

WEL Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=90.0.
WEL II 07 05 31 01.3–1.5 35.99S 178.59E 187–11 3.7L
¶12082993

WEL Event type ke. Error ellipse: s-maj=23.3km s-min=19.1km az=90.0.
WEL II 07 14 23 50.3–.42 36.17S 178.01E 218–3 4.2L
¶12083000

WEL Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=0.0.
WEL II 10 01 46 34.7–.58 37.97S 179.20E 33 3.6L
¶12083055

WEL Event type ke. Error ellipse: s-maj=4.9km s-min=2.9km az=90.0.
WEL II 10 04 25 07.3–.41 35.07S 178.49E 111–23 3.5L
¶12083059

WEL Event type ke. Error ellipse: s-maj=12.9km s-min=8.4km az=90.0.
WEL II 10 23 35 13.4–.25 37.11S 177.33E 141–2 3.8L
¶12083070

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=0.0.
WEL II 14 14 39 22.7–.51 36.39S 178.23E 129–5 3.5L
¶12083213

WEL Event type ke. Error ellipse: s-maj=4.7km s-min=4.5km az=90.0.
ISC II 14 23 29 51.8–.97 36.7S–.10 177.17E–.10 277–7 4.0b 119 1-156
NEIC II 14 23 29 50.8 36.40S 177.11E 262 4.4 ¶12083219
WEL II 14 23 29 51.6–.52 36.45S 177.13E 258–4 4.4L
ISCJB II 14 23 29 51.0–.86 36.70S–.10 177.2E–.10 285–8 3.8b
IDC II 14 23 29 56.3–17 36.17S 177.33E 339–154 3.8,3.6
ISC Event type ke.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=6.3km s-min=5.2km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=13.4km az=37.1.
IDC Error ellipse: s-maj=98.0km s-min=23.0km az=61.0.
WEL II 14 23 44 01.4–.51 35.48S 178.42E 196–9 3.5L
¶12083220

WEL Event type ke. Error ellipse: s-maj=10.5km s-min=9.5km az=90.0.
WEL II 17 04 14 20.2–.31 37.66S 178.37E 53–2 4.1L
NEIC II 17 04 14 19.1 37.63S 178.47E 58 4.2L ¶12083265
WEL Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=90.0. Felt from Gisborne to Bay of Plenty, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL II 17 13 21 26.1–.36 36.92S 177.71E 130–3 3.9L
¶12083274

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=0.0.
WEL II 18 15 38 15.3–.43 36.90S 177.06E 221–4 3.5L
¶12083298

WEL Event type ke. Error ellipse: s-maj=5.5km s-min=5.1km az=90.0.
WEL II 19 13 36 47.1–.83 35.83S 178.55E 198–8 3.5L
¶12083318

WEL Event type ke. Error ellipse: s-maj=14.6km s-min=11.8km az=90.0.
WEL II 19 20 04 33.3–.37 36.11S 178.07E 222–3 3.5L
¶12083324

WEL Event type ke. Error ellipse: s-maj=6.1km s-min=6.0km az=90.0.
ISC II 23 21 44 54.1–2.6 37.93S–.07 179.2E–.10 25–14 39 1-155
IDC II 23 21 44 47.7–9.4 36.66S 179.67E 0 3.8,3.6 ¶12083365
WEL II 23 21 44 55.3–.42 37.87S 179.15E 33 3.7L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=349.6km s-min=51.8km az=35.0.
WEL Event type ke. Error ellipse: s-maj=4.2km s-min=1.7km az=90.0.
WEL II 24 10 25 42.3–.57 37.88S 179.17E 33 3.8L
¶12083368

WEL Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=90.0.
WEL II 26 20 37 07.6–.66 36.77S 176.71E 298–5 4.1L
¶12058388

WEL Event type ke. Error ellipse: s-maj=5.7km s-min=5.2km az=0.0.
WEL II 27 08 25 11.9–.62 36.30S 177.77E 182–6 3.8L

¶12058391

WEL Event type ke. Error ellipse: s-maj=9.9km s-min=7.1km az=90.0.
WEL III 01 11 38 39.0–.46 36.06S 178.25E 185–7 3.6L

¶12791088

WEL Event type ke. Error ellipse: s-maj=8.9km s-min=6.2km az=90.0.
WEL III 01 14 11 35.9–1.2 35.25S 178.99E 233–11 3.8L

¶12791089

WEL Event type ke. Error ellipse: s-maj=34.9km s-min=12.3km az=90.0.
WEL III 01 21 52 53.4–.49 37.63S 178.33E 54–3 3.5L

¶12791090

WEL Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=90.0.
ISC III 02 14 18 28.6–1.1 37.86S–.04 177.59E–.04 58–8 81 0-150
ISCJB III 02 14 18 28.1–.54 37.87S–.03 177.59E–.05 65–5 3.7b **¶12791093**
WEL III 02 14 18 29.3–.13 37.82S 177.58E 50–1 3.9L
IDC III 02 14 18 35.2–5.1 34.69S 176.26E 0 4.0,3.7b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.8km az=144.5.
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.9km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
IDC Error ellipse: s-maj=206.3km s-min=59.1km az=166.0.
WEL III 02 23 51 25.4–.18 37.32S 177.76E 57–3 3.8L

¶12791095

WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.5km az=0.0.
WEL III 04 04 58 53.4–.58 35.98S 177.32E 229–10 4.2L

¶12791102

WEL Event type ke. Error ellipse: s-maj=11.6km s-min=9.4km az=90.0.
WEL III 04 11 27 53.2–.69 35.85S 178.37E 184–8 3.9L

¶12791103

WEL Event type ke. Error ellipse: s-maj=21.1km s-min=8.5km az=90.0.
WEL III 04 17 51 47.4–.39 36.27S 177.81E 213–4 3.9L

¶12791104

WEL Event type ke. Error ellipse: s-maj=7.3km s-min=5.1km az=90.0.
WEL III 04 19 19 21.9–.33 36.91S 177.31E 208–3 3.5L

¶12791105

WEL Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=90.0.
ISC III 05 23 46 42.6–.57 36.98S–.05 176.91E–.06 334–4 4.1b 219 1-163
AUST III 05 23 46 38.8–.75 37.04S 177.65E 304–0 4.1b **¶15153051**
ISCJB III 05 23 46 42.8–.36 37.02S–.04 176.83E–.08 335–3 4.0b
NEIC III 05 23 46 42.8–.23 37.01S 176.95E 338–2 4.5b
WEL III 05 23 46 44.7–.40 36.97S 176.98E 315–3 4.9L
IDC III 05 23 46 45.8–1.9 36.69S 177.12E 360–17 4.0,3.9b
ISC Event type ke.
AUST Error ellipse: s-maj=1.9km s-min=1.1km az=261.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=6.4km az=12.9.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=110.0.
WEL Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=0.0.
IDC Error ellipse: s-maj=16.1km s-min=13.5km az=7.0.
WEL III 07 22 59 10.4–.26 37.22S 177.49E 118–2 3.9L

¶12791120

WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=0.0.
WEL III 08 04 37 24.6–.56 36.45S 177.01E 283–5 3.5L

¶12791123

WEL Event type ke. Error ellipse: s-maj=8.8km s-min=7.0km az=90.0.
WEL III 12 06 06 23.3–.61 37.05S 177.07E 212–5 4.2L

¶12791157

WEL Event type ke. Error ellipse: s-maj=6.9km s-min=5.8km az=0.0.
WEL III 12 08 15 13.1–.22 37.37S 177.31E 148–1 3.9L

¶12791158

WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=0.0.
IDC III 12 17 02 31.3–7.9 35.01S 179.11E 149–78 3.9,3.7

¶12703092

IDC Error ellipse: s-maj=87.1km s-min=44.9km az=3.0.
WEL III 13 00 01 34.5–.52 36.36S 178.88E 12 3.6L

¶12791174

WEL Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=90.0.
WEL III 13 05 43 06.4–.73 36.30S 177.07E 265–7 3.7L

¶12791176

WEL Event type ke. Error ellipse: s-maj=11.2km s-min=9.8km az=90.0.
ISC III 13 10 17 53.1–1.2 39.07S–.03 178.39E–.05 29–7 4.2b,3.8s 194 0-154
IDC III 13 10 17 49.5–1.1 39.10S 178.24E 0 4.4,4.2 **¶12703157**
ISCJB III 13 10 17 50.8–.73 39.15S–.03 178.56E–.07 42–8 4.0b,3.8s
NEIC III 13 10 17 53.7 39.07S 178.40E 31 4.3L,3.8s
WEL III 13 10 17 54.1–.17 39.03S 178.35E 33–15 4.3L,3.8s
ISC Event type fe.
IDC Error ellipse: s-maj=50.2km s-min=27.3km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.0km az=13.4.
NEIC Event type fe. Felt [IV] in the Gisborne area. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.9km s-min=0.8km az=90.0. Felt from Gisborne to Hawke''s Bay, maximum reported intensity MM 4.
WEL III 13 13 31 10.8–.13 39.53S 177.24E 29–1 3.6L

¶12791178

WEL Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=90.0.
WEL III 13 18 47 09.7–.49 36.67S 176.97E 259–6 3.6L

¶12791180

WEL Event type ke. Error ellipse: s-maj=10.0km s-min=7.6km az=90.0.
ISC III 14 17 38 59.3–.37 36.90S–.04 177.56E–.04 189–2 4.8b 531 1-177
DJA III 14 17 38 40.4–1.2 36S–17 178E–22 10 5.7b,5.3 **¶15153194**
MOS III 14 17 38 50.4–1.6 36.55S 177.72E 117 5.2b,5.3
AUST III 14 17 38 53.2–.76 36.85S 177.76E 126–0 5.2b,5.3
GCMT III 14 17 38 58.7–.40 36.80S 177.85E 185–3 5.0W,5.3
BJI III 14 17 38 58.6 37.51S 176.35E 176 5.4b,5.0b
ISCJB III 14 17 38 59.9–.27 37.06S–.03 177.40E–.04 200–2 4.8b,5.0b
NEIC III 14 17 38 59.5–.36 37.02S 177.56E 201–3 5.0b,5.0b
WEL III 14 17 39 00.6–.19 36.84S 177.56E 174–1 5.4L,5.0b
IDC III 14 17 39 02.8–1.3 36.57S 177.67E 219–10 4.6,4.5b
ISC Event type fe.
MOS Error ellipse: s-maj=13.8km s-min=11.1km az=115.7.
AUST Error ellipse: s-maj=1.6km s-min=1.1km az=275.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s19,c22; s61,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}1.56±.21 $M_{\theta\theta}$-1.33±.27; $M_{\phi\phi}$-0.23±.25; $M_{r\theta}$2.16±.19; $M_{\theta\phi}$-0.33±.22; $M_{r\phi}$3.79±.16; Best double couple: NP1:ϕ_s260.00000°,δ11.00000°,λ137.00000°. NP2:ϕ_s33.00000°,δ82.00000°,λ82.00000°. Principal axes: T 4.9300,Plg52.0000° ,Azm293.0000°; N -0.7300,Plg8.0000°,Azm34.0000°; P -4.2000,Plg37.0000°,Azm130.0000° M_o4.60000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=5.0km az=145.4.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=5.8km az=70.0. Felt at Opotiki.
WEL Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=0.0. Felt from Bay of Plenty to Hawke''s Bay, maximum reported intensity MM 4.
IDC Error ellipse: s-maj=13.2km s-min=8.9km az=41.0.
ISC III 14 19 09 07.7–1.1 36.98S–.09 177.52E–.08 200–7 68 1-156
IDC III 14 19 09 04.5–3.8 36.63S 177.87E 170–29 3.5,3.3 **¶12703285**
ISCJB III 14 19 09 07.3–.91 37.09S–.08 177.5E–.10 211–6 3.3b,3.3
WEL III 14 19 09 08.5–.25 36.80S 177.52E 172–2 4.0L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=58.5km s-min=33.4km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=12.5km az=10.6.
WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=90.0.
WEL III 14 21 09 35.4–.46 35.35S 177.65E 33 3.8L

¶12791191

WEL Event type ke. Error ellipse: s-maj=6.2km s-min=3.4km az=90.0.
WEL III 15 10 19 60.0–.29 36.59S 177.07E 12 3.7L

¶12791203

WEL Event type ke. Error ellipse: s-maj=2.8km s-min=1.4km az=0.0.
ISC III 15 20 18 07.2–1.1 35.52S–.10 179.5E–.10 35 3.9b 23 2-158
IDC III 15 20 18 00.3–1.3 35.11S 179.65E 0 4.2,4.1b **¶12703375**
WEL III 15 20 18 09.6–.45 35.42S 179.06E 33 4.0L,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=29.5km az=50.0.
WEL Event type ke. Error ellipse: s-maj=8.7km s-min=3.1km az=90.0.
ISC III 16 06 50 44.6–.81 36.53S–.07 177.94E–.07 248–6 4.1b 224 1-156
IDC III 16 06 50 38.2–3.4 35.72S 178.31E 189–22 4.3s,4.3 **¶12703405**
ISCJB III 16 06 50 44.4–.65 36.65S–.05 177.87E–.09 261–4 3.9b,4.3
WEL III 16 06 50 44.8–.45 36.36S 178.10E 227–5 5.1L,4.3
NEIC III 16 06 50 45.4 36.49S 178.02E 230 5.1,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=42.4km s-min=15.1km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.7km az=170.8.
WEL Event type ke. Error ellipse: s-maj=7.7km s-min=5.8km az=0.0.
NEIC Event type se. After WEL.
WEL III 16 19 17 35.4–.68 36.78S 177.49E 215–8 3.5L

¶12791219

WEL Event type ke. Error ellipse: s-maj=14.4km s-min=10.2km az=90.0.
WEL III 17 00 31 46.8–.40 36.37S 177.63E 186–4 4.2L

¶12791231

WEL Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=90.0.
WEL III 18 10 13 31.4–.49 35.34S 178.93E 223–9 4.6L
NEIC III 18 10 13 31.7 35.42S 178.82E 235 4.6 **¶12791250**
WEL Event type ke. Error ellipse: s-maj=7.0km s-min=6.9km az=0.0.
NEIC Event type se. After WEL.
WEL III 18 23 10 07.9–.38 36.06S 179.03E 33 3.8L

¶12791251

WEL Event type ke. Error ellipse: s-maj=6.5km s-min=2.7km az=90.0.
WEL III 19 08 37 54.1–.52 36.90S 176.85E 230–4 3.9L
NEIC III 19 08 37 54.0 36.88S 176.79E 227 4.0 **¶12791266**
WEL Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=90.0.
NEIC Event type se. After WEL.
WEL III 19 21 34 55.6–.52 37.62S 179.51E 33 3.7L

¶12791268

WEL Event type ke. Error ellipse: s-maj=5.0km s-min=2.8km az=90.0.
WEL III 19 22 52 29.0–.57 35.71S 178.69E 255–7 3.7L

¶12791269

WEL Event type ke. Error ellipse: s-maj=14.9km s-min=6.7km az=90.0.
WEL III 20 23 31 39.6–.31 37.34S 177.53E 98–3 3.9L

¶12791276

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.9km az=90.0.
WEL III 21 00 36 55.8–.77 36.02S 178.13E 224–6 3.5L

¶12791283

WEL Event type ke. Error ellipse: s-maj=15.5km s-min=11.4km az=90.0.
ISC III 23 23 36 39.0–1.8 37.65S–.07 179.86E–.10 33 3.9b 81 1-151
IDC III 23 23 36 39.5–2.5 37.34S 179.66E 0 4.2,4.0b **¶12635428**
WEL III 23 23 36 42.5–.52 37.38S 179.87E 33 4.4L,4.0b
NEIC III 23 23 36 42.4 37.38S 179.87E 33 4.4L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=69.5km s-min=27.7km az=141.0.
WEL Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=90.0.
NEIC Event type se. After WEL.
WEL III 26 21 36 00.1–.24 38.34S 178.19E 41–2 4.2L
NEIC III 26 21 35 59.8 38.32S 178.32E 50 4.3L **¶12791348**
WEL Event type fe. Error ellipse: s-maj=2.3km s-min=1.3km az=90.0. Felt from Bay of Plenty to Gisborne, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] at Whataupoko and [III] at Mangapapa. Also felt at Gisborne, Matawhero, Te Hapara and Waipaoa. After WEL.
WEL III 27 01 56 29.9–.20 38.94S 178.53E 39–4 4.3L

¶12086154

WEL Event type fe. Error ellipse: s-maj=2.4km s-min=0.8km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.
WEL III 28 22 16 20.8–.53 36.84S 178.63E 33 3.5L

¶12723273

WEL Event type ke. Error ellipse: s-maj=6.2km s-min=3.5km az=90.0.
WEL III 30 04 20 28.7–.54 36.11S 178.10E 197–6 3.8L

¶12723279

WEL Event type ke. Error ellipse: s-maj=12.1km s-min=7.4km az=90.0.
WEL III 31 10 39 48.6–.74 39.37S 179.94E 33 3.5L

¶12723283

WEL Event type ke. Error ellipse: s-maj=7.9km s-min=2.3km az=90.0.
WEL IV 02 04 17 58.9–.31 37.12S 177.76E 114–3 3.5L

¶14210521

WEL Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=90.0.
WEL IV 02 06 21 12.1–.54 36.10S 177.67E 196–7 3.8L

¶14210523

WEL Event type ke. Error ellipse: s-maj=11.4km s-min=8.5km az=90.0.
WEL IV 02 11 57 22.5–.28 36.95S 177.54E 121–4 3.6L

¶14210530

WEL Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=90.0.
WEL IV 03 04 57 23.9–.84 35.35S 178.74E 214–12 4.1L

¶14210549

WEL Event type ke. Error ellipse: s-maj=16.2km s-min=15.1km az=90.0.
ISC IV 04 13 11 52.0–1.7 38.74S–.04 178.68E–.07 17–9 3.8b 84 0-154
IDC IV 04 13 11 51.3–1.2 38.31S 178.52E 0 4.1,3.9b **¶12934474**
ISCJB IV 04 13 11 52.4–.00 38.77S–.03 178.68E–.08 31–5 3.8b,3.6s
WEL IV 04 13 11 55.5–.24 38.68S 178.47E 24–1 4.0L,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=20.9km az=20.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.2km az=0.1.
WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=90.0.
WEL IV 05 04 51 23.4–.57 35.81S 178.30E 200–7 3.7L

¶14210609

WEL Event type ke. Error ellipse: s-maj=14.4km s-min=7.4km az=90.0.
ISC IV 05 17 47 21.9–.77 39.47S–.02 177.09E–.03 33 4.0b 204 0-153
IDC IV 05 17 47 20.4–1.8 37.20S 177.22E 0 4.3,4.1 **¶14210633**
ISCJB IV 05 17 47 21.4–.34 39.54S–.02 177.19E–.04 33 3.9b,4.1
WEL IV 05 17 47 22.6–.10 39.48S 177.15E 25–0 4.2L,4.1
NEIC IV 05 17 47 22.7 39.48S 177.15E 26 4.2L,4.0b
ISC Event type fe.
IDC Error ellipse: s-maj=47.0km s-min=19.9km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.7km az=18.5.
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.6km az=90.0. Felt in the Hawke''s Bay region, maximum reported intensity MM 5.
NEIC Event type fe. Felt at Greenmeadows, Mahor, Napier, Onekawa and Taradale. After WEL.
ISC IV 05 20 51 36.8–1.6 38.71S–.04 178.40E–.07 6–8 4.1b,3.8s 167 0-154
IDC IV 05 20 51 36.9–1.1 38.53S 178.41E 0 4.2,4.1b **¶12934542**
WEL IV 05 20 51 40.3–.23 38.67S 178.48E 27–1 4.2L,4.1b
NEIC IV 05 20 51 40.4 38.67S 178.46E 27 4.2L,4.1b
ISC Event type fe.
IDC Error ellipse: s-maj=61.0km s-min=21.2km az=14.0.
WEL Event type fe. Error ellipse: s-maj=2.6km s-min=0.9km az=90.0. Felt from Gisborne to Hawke''s Bay, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] at Gisborne. After WEL.
WEL IV 05 20 52 58.6–.46 38.63S 178.41E 28–3 3.9L

¶14210638

WEL Event type ke. Error ellipse: s-maj=5.7km s-min=2.0km az=90.0.
ISC IV 05 20 55 23.2–2.0 38.79S–.04 178.59E–.08 2–11 45 1-146
WEL IV 05 20 55 23.2–.44 38.82S 178.81E 5 4.0L **¶12934541**
IDC IV 05 20 55 23.9–2.4 38.80S 178.35E 0 4.1,3.8
ISC Event type ke.
WEL Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=90.0.
IDC Error ellipse: s-maj=89.5km s-min=33.2km az=26.0.
ISC IV 05 21 03 52.5–2.1 38.77S–.04 178.60E–.07 6–12 3.8b 77 0-153
IDC IV 05 21 03 54.6–2.6 37.93S 178.34E 0 4.1,3.9 **¶12934540**
WEL IV 05 21 03 57.6–.32 38.69S 178.41E 54–4 4.1L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=101.9km s-min=23.2km az=154.0.
WEL Event type ke. Error ellipse: s-maj=4.0km s-min=1.8km az=90.0.
WEL IV 05 23 56 00.2–.35 38.67S 178.47E 28–1 3.8L

¶14210653

WEL Event type ke. Error ellipse: s-maj=3.2km s-min=1.5km az=90.0.
ISC IV 06 00 40 58.6–3.2 38.69S–.03 178.55E–.06 13–19 4.1b 101 0-154
IDC IV 06 00 40 57.5–.83 38.37S 178.45E 0 4.3,4.2 **¶12791406**
WEL IV 06 00 40 59.4–.39 38.68S 178.64E 29–1 4.4L,4.2
NEIC IV 06 00 41 00.7 38.67S 178.45E 24 4.4L,4.2
ISC Event type fe.
IDC Error ellipse: s-maj=30.4km s-min=17.5km az=21.0.

WEL Event type fe. Error ellipse: s-maj=3.5km s-min=1.4km az=90.0. Felt from Gisborne to Hawke''s Bay, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Gisborne. After WEL.
WEL IV 06 05 20 28.8–.31 38.66S 178.48E 26–2 3.6L ¶14210670

WEL Event type ke. Error ellipse: s-maj=3.5km s-min=1.4km az=90.0.
WEL IV 06 06 22 04.1–.20 38.69S 178.46E 22–1 3.7L ¶14210673

WEL Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=90.0.
WEL IV 06 10 07 32.5–.27 38.67S 178.49E 31–1 3.7L ¶14210684

WEL Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=90.0.
WEL IV 06 13 45 21.6–.34 38.69S 178.59E 25–1 3.8L ¶14210695

WEL Event type ke. Error ellipse: s-maj=3.0km s-min=1.3km az=90.0.
WEL IV 07 00 38 09.0–.45 36.99S 176.51E 284–4 4.0L ¶14210713

WEL Event type ke. Error ellipse: s-maj=5.7km s-min=5.6km az=90.0.
WEL IV 07 14 39 22.9–.28 38.68S 178.47E 28–2 3.8L ¶14210727

WEL Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=90.0.
WEL IV 08 07 28 33.5–.79 35.63S 178.88E 239–20 4.0L ¶14210750

WEL Event type ke. Error ellipse: s-maj=22.6km s-min=16.3km az=0.0.
ISC IV 08 11 13 01.1–.47 38.73S–.03 178.41E–.05 34–1 5.4b,4.6s 353 0-164
IDC IV 08 11 12 55.4–.52 38.42S 178.51E 0 4.8,4.7 ¶15153621
ISCJB IV 08 11 12 56.7–.73 38.83S–.02 178.59E–.05 25–4 5.3b,4.5s
NEIC IV 08 11 12 58.8 38.72S 178.51E 22 5.3b,5.0L
WEL IV 08 11 12 58.9–.26 38.69S 178.54E 26–1 5.0L,5.0L
AUST IV 08 11 12 58.5 38.76S 178.29E 5 5.0L,5.0L
GCMT IV 08 11 12 58.9–.40 38.66S 178.58E 14–1 4.9W,5.0L
BJI IV 08 11 13 00.2 39.19S 178.01E 39 5.6b,5.5b
MOS IV 08 11 13 00.7–1.1 38.68S 178.08E 33 5.5b,5.5b
DJA IV 08 11 13 00.7–2.9 39S–20 178E–44 10 5.9b,5.5b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Gisborne. After WEL.
WEL Event type fe. Felt between Bay Plenty, H'' Bay and Gisborne, maximum reported intensity MM 5.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s35,c40; s63,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.56±.17 $M_{\theta\theta}$0.88±.12; $M_{\phi\phi}$1.68±.11; $M_{r\theta}$0.86±.29; $M_{\theta\phi}$1.26±.07; $M_{\phi r}$0.72±.23; Best double couple: NP1:ϕ_s31.00000°,δ34.00000°,λ-99.00000°. NP2:ϕ_s222.00000°,δ57.00000°,λ-84.00000°. Principal axes: T 2.8200,Plg11.0000° ,Azm307.0000°; N -0.0200,Plg5.0000°,Azm38.0000°; P -2.8100,Plg77.0000°,Azm152.0000° M_o2.80000×10^{16}
WEL IV 08 11 22 48.6–.49 38.82S 178.02E 96–4 3.5L ¶14210759

WEL Event type ke. Error ellipse: s-maj=4.9km s-min=2.0km az=90.0.
WEL IV 08 11 38 46.9–.50 38.72S 178.54E 24–2 3.5L ¶14210764

WEL Event type ke. Error ellipse: s-maj=4.5km s-min=1.9km az=90.0.
WEL IV 08 15 15 51.7–.23 38.70S 178.57E 51–2 3.7L ¶14210788

WEL Event type ke. Error ellipse: s-maj=2.7km s-min=1.0km az=90.0.
WEL IV 09 19 59 30.0–.33 38.69S 178.49E 28–1 3.7L ¶14210845

WEL Event type ke. Error ellipse: s-maj=3.4km s-min=1.4km az=90.0.
WEL IV 09 22 07 33.4–.68 36.47S 177.93E 152–6 4.1L ¶14210849

WEL Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=90.0.
ISC IV 10 09 58 14.6–1.0 36.91S–.10 177.74E–.08 202–7 136 1-156
IDC IV 10 09 58 10.6–3.8 36.40S 178.02E 157–31 3.7,3.4 ¶12934972
NEIC IV 10 09 58 14.3 36.65S 177.70E 178 4.1,3.4
WEL IV 10 09 58 14.2–.35 36.62S 177.68E 176–4 4.0L,3.4
ISCJB IV 10 09 58 15.2–1.1 37.10S–.09 177.7E–.10 213–6 3.5b,3.4
ISC Event type ke.
NEIC Event type se. After WEL.
WEL Event type ke.
ISCJB Event type ke.
WEL IV 13 00 51 51.2–.63 35.74S 178.60E 160–15 3.5L ¶14210952

WEL Event type ke. Error ellipse: s-maj=11.5km s-min=8.4km az=90.0.
WEL IV 13 01 59 04.2–.45 37.44S 178.33E 46–4 3.5L ¶14210954

WEL Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=90.0.
WEL IV 13 18 30 36.1–.30 38.69S 178.58E 33 3.6L ¶14210978

WEL Event type ke. Error ellipse: s-maj=3.0km s-min=1.3km az=90.0.
WEL IV 13 19 16 49.6–.31 38.70S 178.54E 28–1 3.5L ¶14210979

WEL Event type ke. Error ellipse: s-maj=3.2km s-min=1.3km az=90.0.
WEL IV 16 06 01 45.3–.19 38.66S 178.59E 35–4 3.6L ¶14211046

WEL Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=90.0.
WEL IV 16 17 48 30.5–.53 36.87S 177.73E 128–5 3.5L ¶14211059

WEL Event type ke. Error ellipse: s-maj=7.3km s-min=5.3km az=90.0.
WEL IV 17 21 15 43.0–.21 37.29S 177.35E 134–2 4.0L ¶14211099

WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=0.0.
WEL IV 18 06 06 26.9–.86 35.78S 178.62E 199–11 3.6L ¶14211103

WEL Event type ke. Error ellipse: s-maj=17.1km s-min=12.3km az=90.0.
ISC IV 20 11 54 40.2–.72 36.30S–.08 178.08E–.08 229 4.3b 181 1-157
IDC IV 20 11 54 32.8–2.8 35.51S 178.45E 171–22 4.3,4.2 ¶15153842
NEIC IV 20 11 54 33.7 35.76S 178.52E 225 4.5b,4.2
WEL IV 20 11 54 38.9–.45 36.05S 178.34E 199–4 5.3L,4.2
ISCJB IV 20 11 54 39.4–.63 36.26S–.04 177.89E–.09 229 4.2b,4.2
ISC Event type ke.
NEIC Event type se. After WEL.
WEL Event type ke.
ISCJB Event type ke.
ISC IV 20 19 20 04.8–2.3 35.7S–.10 179.7E–.10 66–18 4.5b 72 2-157
IDC IV 20 19 20 02.4–6.8 35.68S 179.91E 48–56 4.2,4.2 ¶12842928
WEL IV 20 19 20 03.3–.76 35.69S 179.59E 153–17 4.6L,4.2
NEIC IV 20 19 20 04.7 35.71S 179.40E 5 4.5L,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=49.9km s-min=27.4km az=46.0.
WEL Event type ke. Error ellipse: s-maj=8.5km s-min=8.4km az=90.0.
NEIC Event type se. After WEL.
WEL IV 22 01 44 16.2–.38 39.42S 178.85E 33 4.2L ¶14211188

WEL Event type ke. Error ellipse: s-maj=3.7km s-min=2.1km az=90.0.
WEL IV 23 21 31 54.7–.43 36.83S 176.98E 251–4 4.1L ¶14211239

WEL Event type ke. Error ellipse: s-maj=4.7km s-min=4.3km az=90.0.
WEL IV 24 08 52 02.3–.49 36.20S 177.42E 33 3.5L ¶14211251

WEL Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=90.0.
WEL IV 25 04 10 54.4–.35 36.87S 177.47E 165–3 3.7L ¶14211274

WEL Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=90.0.
WEL IV 25 08 43 37.8–.63 35.98S 178.28E 203–10 3.9L
NEIC IV 25 08 43 29.8 35.41S 178.26E 233 4.0 ¶14211280
WEL Event type ke. Error ellipse: s-maj=12.0km s-min=8.7km az=0.0.
NEIC Event type se. After WEL.
WEL IV 25 19 17 09.8–.12 37.11S 177.33E 144–1 3.6L ¶14211298

WEL Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=90.0.
WEL IV 27 16 13 27.1–.85 36.18S 177.99E 33 3.6L ¶14211337

WEL Event type ke. Error ellipse: s-maj=10.9km s-min=5.5km az=90.0.
WEL IV 29 20 01 35.5–.49 35.92S 178.68E 176–9 3.6L ¶14211380

WEL Event type ke. Error ellipse: s-maj=8.9km s-min=7.3km az=0.0.
WEL IV 30 11 52 44.1–.51 36.04S 177.57E 224–11 3.5L ¶14211393

WEL Event type ke. Error ellipse: s-maj=13.4km s-min=8.6km az=0.0.
WEL V 03 12 04 45.7–.40 36.80S 176.95E 250–6 4.1L
NEIC V 03 12 04 45.6 36.90S 177.06E 261 4.0 ¶14301494
WEL Event type ke. Error ellipse: s-maj=8.5km s-min=7.0km az=0.0.
NEIC Event type se. After WEL.
WEL V 04 11 21 07.8–.13 37.68S 177.71E 83–1 3.9L
NEIC V 04 11 21 07.9 37.68S 177.70E 82 4.0L ¶14301524
WEL Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=0.0.
NEIC Event type se. After WEL.
ISC V 05 00 47 23.6–1.3 37.36S–.07 177.98E–.09 139 152 0-156
IDC V 05 00 47 16.2–2.0 36.97S 178.36E 0 3.9s,3.9 ¶12818781
ISCJB V 05 00 47 21.6–1.0 37.31S–.06 178.13E–.10 139 3.4b,3.9
NEIC V 05 00 47 27.4 37.18S 177.81E 33 4.1L,3.9
WEL V 05 00 47 28.6–.21 37.31S 177.77E 33 4.0L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=46.2km s-min=36.6km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=5.7km az=143.2.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=0.0.
WEL V 05 14 25 03.7–.49 37.59S 178.34E 40–3 3.7L ¶14301549

WEL Event type ke. Error ellipse: s-maj=4.6km s-min=2.2km az=90.0.
WEL V 05 20 05 00.3–.70 37.40S 177.02E 156–6 3.6L ¶14301557

WEL Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=90.0.
WEL V 07 22 21 27.4–.33 36.12S 177.27E 270–4 4.5L
NEIC V 07 22 21 27.4 36.12S 177.27E 270 4.5 ¶14301636
WEL Event type ke. Error ellipse: s-maj=5.9km s-min=5.0km az=90.0.
NEIC Event type se. After WEL.
WEL V 08 05 02 04.6–.55 36.98S 176.61E 295–4 3.8L ¶14301679

WEL Event type ke. Error ellipse: s-maj=5.4km s-min=5.0km az=0.0.
WEL V 08 09 33 55.2–.41 36.94S 176.96E 241–4 4.1L ¶14301683

WEL Event type ke. Error ellipse: s-maj=4.5km s-min=4.3km az=0.0.
ISC V 09 05 11 14.2–1.9 37.22S–.05 179.46E–.08 12–10 4.5b,3.7s 148 1-156
ISCJB V 09 05 11 12.6–1.7 37.19S–.05 179.76E–.10 31–12 4.4b,3.7s ¶15154225
IDC V 09 05 11 13.6–1.0 36.71S 179.24E 0 4.7,4.6L
WEL V 09 05 11 17.7–.76 37.01S 179.39E 33 4.6L,4.6L
NEIC V 09 05 11 17.7 37.01S 179.39E 33 4.6L,4.4b
AUST V 09 05 11 21.4 37.27S 178.13E 0 4.6L,4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=8.0km az=4.6.
IDC Error ellipse: s-maj=30.5km s-min=28.1km az=38.0.
WEL Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=90.0.
NEIC Event type se. After WEL.
WEL V 09 07 59 07.8–.33 37.81S 178.49E 57–2 4.2L
NEIC V 09 07 59 07.8 37.81S 178.49E 57 4.2L ¶14301724
WEL Event type ke. Error ellipse: s-maj=3.0km s-min=1.5km az=90.0.
NEIC Event type se. After WEL.
WEL V 09 12 26 52.0–.23 37.31S 177.77E 53–2 3.7L ¶14301726

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=0.0.
WEL V 09 12 40 56.2–.40 36.62S 177.10E 232–3 4.0L ¶14301727

WEL Event type ke. Error ellipse: s-maj=5.4km s-min=4.8km az=90.0.
WEL V 10 08 23 44.2–.34 35.29S 178.97E 288–5 3.7L ¶14301748

WEL Event type ke. Error ellipse: s-maj=8.3km s-min=7.7km az=90.0.
WEL V 10 17 19 04.8–.29 37.98S 177.87E 70–3 4.0L ¶14301760

WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=90.0.
WEL V 10 19 31 47.8–.24 37.08S 177.06E 141–4 3.6L ¶14301762

WEL Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=0.0.
WEL V 12 06 00 47.9–.23 39.29S 177.91E 58–1 3.9L ¶14301815

WEL Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=90.0.
WEL V 12 19 57 31.0–.31 38.78S 179.51E 33 3.5L ¶14301829

WEL Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=90.0.
ISC V 12 23 20 17.0–1.4 36.6S–.10 178.0E–.10 280 3.9b 54 1-156
IDC V 12 23 20 10.8–6.1 35.79S 178.18E 218–37 3.9,3.8b ¶13678843
WEL V 12 23 20 14.2–.41 35.90S 177.83E 218–4 4.2L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=83.5km s-min=30.6km az=43.0.
WEL Event type ke. Error ellipse: s-maj=7.4km s-min=5.5km az=90.0.
WEL V 17 07 37 20.8–.52 35.39S 179.18E 259–13 3.6L ¶14302053

WEL Event type ke. Error ellipse: s-maj=12.3km s-min=10.2km az=90.0.
WEL V 17 17 43 24.5–.20 37.10S 177.39E 152–1 3.9L ¶14302061

WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=0.0.
WEL V 20 10 04 59.2–.52 36.46S 177.70E 205–5 3.6L ¶14302186

WEL Event type ke. Error ellipse: s-maj=12.4km s-min=8.6km az=90.0.
WEL V 21 17 14 31.4–.53 36.12S 178.14E 189–6 3.5L ¶14302235

WEL Event type ke. Error ellipse: s-maj=10.2km s-min=8.0km az=90.0.
WEL V 22 05 29 30.4–.21 37.65S 177.40E 104–1 4.1L
NEIC V 22 05 29 30.4 37.65S 177.40E 104 4.1 ¶14302265
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=0.0.
NEIC Event type se. After WEL.
WEL V 22 14 16 32.5–.44 38.07S 178.93E 33 3.7L ¶14302279

WEL Event type ke. Error ellipse: s-maj=4.5km s-min=1.8km az=90.0.
WEL V 22 14 48 13.8–.47 38.25S 178.31E 12 2.6L ¶14302280

WEL Event type ke. Error ellipse: s-maj=4.7km s-min=2.4km az=90.0.
WEL V 22 19 13 33.2–.38 36.91S 177.18E 5 3.5L ¶14302289

WEL Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=0.0.
WEL V 23 14 45 37.7–.25 36.89S 177.86E 140–2 3.8L ¶14302333

WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=0.0.
WEL V 24 15 04 17.9–.74 36.39S 177.33E 12 3.7L ¶14302374

WEL Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=0.0.
WEL V 26 13 13 01.1–.87 36.75S 176.55E 300–8 3.7L ¶14302491

WEL Event type ke. Error ellipse: s-maj=11.3km s-min=8.8km az=90.0.
WEL V 26 23 26 36.3–.63 41.57S 178.16E 33 3.7L ¶14302502

WEL Event type ke. Error ellipse: s-maj=7.4km s-min=2.4km az=90.0.
WEL V 27 05 36 06.6–.55 36.36S 177.57E 205–7 3.5L ¶14302537

WEL Event type ke. Error ellipse: s-maj=8.9km s-min=7.0km az=0.0.
WEL V 28 05 50 29.4–.31 38.71S 178.47E 27–1 3.8L ¶14302611

WEL Event type ke. Error ellipse: s-maj=3.0km s-min=1.3km az=90.0.
ISC V 29 15 03 59.3–.84 37.08S–.07 177.67E–.06 170–6 3.6b 150 1-163
IDC V 29 15 03 53.7–4.4 36.35S 178.12E 122–31 3.7,3.5 ¶13679902
WEL V 29 15 03 60.0–.28 36.92S 177.66E 147–3 4.4L,3.5
NEIC V 29 15 03 60.0 36.92S 177.66E 147 4.4,3.5
ISC Event type ke.

IDC Error ellipse: s-maj=55.0km s-min=21.1km az=46.0.
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=0.0.
NEIC Event type se. After WEL.
ISC V 30 08 36 31.2–2.1 37.37S–.08 179.1E–.10 80–17 63 1-151
IDC V 30 08 36 22.1–3.4 36.83S 179.21E 0 4.2,4.0 **¶13679959**
WEL V 30 08 36 27.5–.36 37.13S 179.32E 33 3.8L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=81.2km s-min=43.3km az=131.0.
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=90.0.
WEL V 30 19 24 46.0–.89 35.13S 178.82E 242–7 4.0L
¶14302780

WEL Event type ke. Error ellipse: s-maj=28.9km s-min=9.5km az=90.0.
WEL V 31 00 29 34.7–.21 36.40S 178.38E 33 3.7L
¶14277275

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=90.0.
WEL VI 02 19 27 59.1–.52 36.35S 177.79E 5 4.3L
¶14310972

WEL Event type ke. Error ellipse: s-maj=3.4km s-min=3.3km az=0.0.
WEL VI 02 19 36 40.8–.68 36.35S 177.76E 12 4.1L
¶14310973

WEL Event type ke. Error ellipse: s-maj=4.9km s-min=4.4km az=0.0.
WEL VI 02 19 42 11.1–.69 36.38S 177.63E 12 4.2L
¶14310974

WEL Event type ke. Error ellipse: s-maj=5.0km s-min=4.8km az=0.0.
WEL VI 02 20 10 31.6–.65 36.35S 177.85E 12 4.1L
¶14310975

WEL Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=90.0.
WEL VI 02 20 20 59.2–.72 36.31S 177.73E 5 4.0L
¶14310976

WEL Event type ke. Error ellipse: s-maj=5.1km s-min=5.0km az=0.0.
WEL VI 02 20 46 39.2–.71 36.43S 177.77E 5 3.9L
¶14310978

WEL Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=0.0.
ISC VI 02 20 58 19.3–1.3 36.51S–.08 177.69E–.08 5 3.7b,3.6s 41 1-81
IDC VI 02 20 58 16.6–2.9 36.51S 178.10E 0 3.9,3.8b **¶13680251**
ISCJB VI 02 20 58 17.9–.97 36.52S–.06 177.73E–.08 5 3.7b,3.6s
NEIC VI 02 20 58 17.6 36.27S 177.79E 6 4.5L,4.0b
WEL VI 02 20 58 19.2–.97 36.43S 177.72E 5 4.3L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=55.1km s-min=26.1km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.9km az=137.7.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=7.8km s-min=6.0km az=0.0.
ISC VI 02 21 03 50.1–1.5 36.54S–.09 177.77E–.09 5 3.9b 31 1-54
ISCJB VI 02 21 03 48.2–1.1 36.52S–.06 177.78E–.09 5 3.8b **¶13680252**
IDC VI 02 21 03 48.4–2.8 36.55S 177.91E 0 4.0,3.9
NEIC VI 02 21 03 48.5 36.19S 177.87E 9 4.4L,3.9b
WEL VI 02 21 03 52.1–.89 36.56S 177.70E 5 4.2L,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.6km az=147.6.
IDC Error ellipse: s-maj=55.6km s-min=24.6km az=67.0.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=6.6km s-min=5.5km az=0.0.
WEL VI 02 21 11 33.0–.75 36.41S 177.79E 5 4.1L
¶14310979

WEL Event type ke. Error ellipse: s-maj=5.4km s-min=5.1km az=0.0.
WEL VI 02 21 18 04.9–1.0 36.37S 177.74E 5 4.0L
¶14310980

WEL Event type ke. Error ellipse: s-maj=7.7km s-min=6.7km az=90.0.
WEL VI 02 21 26 52.0–1.4 36.34S 178.01E 5 3.9L
¶14310981

WEL Event type ke. Error ellipse: s-maj=10.5km s-min=7.7km az=90.0.
WEL VI 02 21 43 00.6–1.1 36.50S 177.74E 5 3.7L
¶14310983

WEL Event type ke. Error ellipse: s-maj=7.3km s-min=7.2km az=90.0.
ISC VI 02 21 44 55.6–3.1 36.47S–.08 177.74E–.08 16–17 4.2b 49 2-157
IDC VI 02 21 44 52.6–1.9 36.54S 177.97E 0 4.4,4.2 **¶13680256**
NEIC VI 02 21 44 52.3 36.26S 177.80E 3 4.2L,4.0b
WEL VI 02 21 44 53.8–.79 36.34S 177.75E 5 4.2L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=41.7km s-min=23.9km az=67.0.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=5.5km s-min=5.0km az=90.0.
WEL VI 02 21 54 55.4–1.1 36.33S 177.82E 5 3.8L
¶14310984

WEL Event type ke. Error ellipse: s-maj=7.8km s-min=6.9km az=90.0.
ISC VI 02 22 07 50.8–1.6 36.5S–.10 177.9E–.10 35 3.8b 19 1-87
WEL VI 02 22 07 45.2–.91 36.38S 177.95E 5 4.1L **¶13680259**
IDC VI 02 22 07 46.9–3.0 36.56S 177.77E 0 4.0,3.9b
ISC Event type ke.
WEL Event type ke. Error ellipse: s-maj=6.7km s-min=6.0km az=90.0.
IDC Error ellipse: s-maj=59.9km s-min=24.1km az=67.0.
WEL VI 02 22 28 44.1–1.1 36.34S 177.82E 5 4.2L
¶14310985

WEL Event type ke. Error ellipse: s-maj=8.2km s-min=7.0km az=90.0.
ISC VI 02 22 37 41.6–1.6 36.5S–.10 177.7E–.10 35 4.0b 13 1-156
WEL VI 02 22 37 31.0–1.4 36.03S 178.12E 5 4.3L **¶13680260**
IDC VI 02 22 37 37.4–2.5 36.58S 177.55E 0 4.2,3.9
ISC Event type ke.
WEL Event type ke. Error ellipse: s-maj=10.1km s-min=9.6km az=90.0.
IDC Error ellipse: s-maj=57.0km s-min=23.6km az=65.0.
WEL VI 02 23 02 48.3–.34 36.15S 177.76E 200–4 4.4L
¶14310987

WEL Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=90.0.
WEL VI 02 23 11 38.6–.59 36.91S 177.13E 249–5 4.2L
¶14310988

WEL Event type ke. Error ellipse: s-maj=8.2km s-min=4.9km az=0.0.
WEL VI 03 00 04 51.8–.98 36.50S 177.70E 5 4.1L
¶14310992

WEL Event type ke. Error ellipse: s-maj=7.5km s-min=6.1km az=0.0.
WEL VI 03 00 22 51.1–1.3 36.33S 177.85E 5 4.2L
¶14310993

WEL Event type ke. Error ellipse: s-maj=9.7km s-min=8.9km az=0.0.
ISC VI 03 02 11 11.4–1.6 36.3S–.10 178.1E–.10 35 3.8b 14 1-41
WEL VI 03 02 11 10.8–1.2 36.43S 177.88E 5 3.8L **¶13680320**
IDC VI 03 02 11 12.0–7.0 36.74S 178.58E 68–59 3.7,3.5
ISC Event type ke.
WEL Event type ke. Error ellipse: s-maj=8.1km s-min=7.7km az=0.0.
IDC Error ellipse: s-maj=75.3km s-min=53.6km az=130.0.
WEL VI 03 05 01 51.7–1.2 36.40S 177.78E 5 3.8L
¶14310996

WEL Event type ke. Error ellipse: s-maj=8.8km s-min=8.3km az=0.0.
WEL VI 03 07 38 40.1–.88 36.32S 177.91E 5 3.5L
¶14310999

WEL Event type ke. Error ellipse: s-maj=7.0km s-min=5.7km az=90.0.
WEL VI 03 09 46 12.3–.79 35.96S 178.39E 208–6 4.0L
¶14311003

WEL Event type ke. Error ellipse: s-maj=7.5km s-min=7.0km az=0.0.
WEL VI 03 11 19 54.9–.87 36.44S 177.73E 5 3.6L
¶14311007

WEL Event type ke. Error ellipse: s-maj=6.3km s-min=6.1km az=90.0.
WEL VI 03 13 24 04.1–1.7 36.52S 177.65E 5 3.5L
¶14311011

WEL Event type ke. Error ellipse: s-maj=14.1km s-min=12.0km az=0.0.
WEL VI 03 13 56 26.0–.90 36.15S 179.21E 33 3.7L
¶14311014

WEL Event type ke. Error ellipse: s-maj=7.7km s-min=5.1km az=90.0.
WEL VI 03 14 54 35.2–1.8 36.42S 177.73E 5 3.5L
¶14311016

WEL Event type ke. Error ellipse: s-maj=13.7km s-min=11.1km az=0.0.
WEL VI 03 15 09 14.8–1.0 36.39S 177.81E 5 3.9L
¶14311017

WEL Event type ke. Error ellipse: s-maj=8.1km s-min=7.1km az=90.0.
WEL VI 03 15 49 19.6–1.6 36.34S 177.71E 5 3.7L
¶14311021

WEL Event type ke. Error ellipse: s-maj=11.4km s-min=9.6km az=0.0.
WEL VI 03 15 51 58.8–1.7 36.30S 177.88E 5 3.5L
¶14311022

WEL Event type ke. Error ellipse: s-maj=13.9km s-min=11.3km az=90.0.
WEL VI 03 16 12 46.9–1.4 36.41S 177.70E 5 3.5L
¶14311025

WEL Event type ke. Error ellipse: s-maj=10.4km s-min=8.7km az=0.0.
WEL VI 03 17 10 00.8–1.2 36.41S 177.71E 5 4.0L
¶14311028

WEL Event type ke. Error ellipse: s-maj=9.0km s-min=7.7km az=0.0.
WEL VI 03 17 44 23.8–1.7 36.32S 177.86E 5 3.7L
¶14311031

WEL Event type ke. Error ellipse: s-maj=11.5km s-min=8.8km az=0.0.
WEL VI 03 17 51 34.9–2.5 36.46S 177.67E 5 3.5L
¶14311033

WEL Event type ke. Error ellipse: s-maj=19.3km s-min=13.7km az=0.0.
WEL VI 03 20 22 44.1–1.4 36.37S 177.81E 5 4.1L
¶14311039

WEL Event type ke. Error ellipse: s-maj=9.8km s-min=9.5km az=0.0.
ISC VI 03 21 15 32.2–2.0 36.5S–.10 177.8E–.10 35 3.6b 12 1-41
IDC VI 03 21 15 26.0–10 36.47S 178.10E 0 3.9,3.7 **¶13680370**
WEL VI 03 21 15 28.4–1.4 36.40S 177.80E 5 4.0L,3.7
ISCJB VI 03 21 15 31.6–1.3 36.64S–.08 177.7E–.10 33 3.5b,3.7
ISC Event type ke.
WEL Event type ke.
ISCJB Event type ke.
WEL VI 03 22 06 40.9–1.5 36.03S 179.08E 5 3.8L
¶14311040

WEL Event type ke. Error ellipse: s-maj=14.7km s-min=7.4km az=90.0.
WEL VI 03 22 42 45.2–1.7 36.43S 177.84E 5 3.5L
¶14311041

WEL Event type ke. Error ellipse: s-maj=12.8km s-min=11.1km az=90.0.
WEL VI 03 22 55 17.1–1.8 36.48S 177.79E 5 3.6L
¶14311042

WEL Event type ke. Error ellipse: s-maj=12.5km s-min=11.8km az=90.0.
ISC VI 03 23 22 45.5–1.6 36.6S–.10 177.9E–.10 35 3.5b 12 1-54
IDC VI 03 23 22 42.1–3.0 36.65S 177.63E 0 3.9,3.8 **¶13680375**
ISCJB VI 03 23 22 43.0–1.4 36.59S–.08 177.9E–.10 33 3.5b,3.8
WEL VI 03 23 22 44.3–2.5 36.60S 177.70E 5 3.9L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=61.2km s-min=23.4km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=18.4km s-min=8.1km az=149.6.
WEL Event type ke. Error ellipse: s-maj=19.8km s-min=15.4km az=0.0.
WEL VI 04 07 25 11.3–.59 36.50S 177.69E 12 4.0L
¶14311055

WEL Event type ke. Error ellipse: s-maj=4.2km s-min=4.0km az=0.0.
WEL VI 04 08 21 13.9–.35 36.33S 177.99E 5 3.7L
¶14311060

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=0.0.
WEL VI 04 10 32 46.0–1.5 36.45S 177.71E 5 3.5L
¶14311063

WEL Event type ke. Error ellipse: s-maj=11.9km s-min=10.5km az=0.0.
WEL VI 04 10 36 53.2–1.2 36.34S 177.85E 5 3.7L
¶14311064

WEL Event type ke. Error ellipse: s-maj=8.3km s-min=7.8km az=90.0.
ISC VI 04 11 06 47.3–3.5 36.41S–.06 177.90E–.07 10–21 4.2b,3.6s 61 1-157
IDC VI 04 11 06 45.5–1.1 36.32S 178.04E 0 4.3,4.1b **¶13680458**
NEIC VI 04 11 06 47.0 36.23S 177.92E 12 4.3L,4.1b
WEL VI 04 11 06 48.4–.75 36.42S 177.83E 5 4.2L,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=25.3km az=58.0.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=5.7km s-min=5.3km az=90.0.
ISC VI 04 13 27 58.0–.78 36.46S–.06 177.74E–.06 35 4.2b,3.9s 93 1-157
IDC VI 04 13 27 52.3–1.3 36.36S 178.11E 0 4.5,4.3b **¶13680469**
WEL VI 04 13 27 54.4–.47 36.43S 177.90E 5 4.3L,4.3b
NEIC VI 04 13 27 56.7 36.47S 177.70E 26 4.5L,4.4b
ISCJB VI 04 13 27 57.1–.67 36.62S–.04 177.70E–.05 33 4.2b,3.8s
ISC Event type ke.
WEL Event type ke.
NEIC Event type se. After WEL.
ISCJB Event type ke.
IDC VI 04 14 34 11.7–3.2 36.33S 178.22E 0 4.2,4.1b
¶16100950

IDC Error ellipse: s-maj=68.0km s-min=33.4km az=62.0.
WEL VI 04 15 54 24.8–.61 36.55S 177.53E 12 3.7L
¶14311069

WEL Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=0.0.
WEL VI 04 16 02 34.7–.79 36.29S 177.53E 5 3.6L
¶14311071

WEL Event type ke. Error ellipse: s-maj=6.0km s-min=5.7km az=90.0.
ISC VI 04 16 41 17.9–1.2 36.55S–.08 177.69E–.08 5 4.1b 27 1-156
ISCJB VI 04 16 41 17.6–.93 36.55S–.06 177.66E–.07 5 4.1b,3.4s **¶13680481**
WEL VI 04 16 41 17.7–1.1 36.46S 177.71E 5 4.2L,3.4s
IDC VI 04 16 41 17.1–2.3 36.52S 177.81E 0 4.3,4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.3km az=138.0.
WEL Event type ke. Error ellipse: s-maj=8.1km s-min=7.5km az=0.0.
IDC Error ellipse: s-maj=51.4km s-min=22.8km az=65.0.
ISC VI 04 19 19 36.0–1.7 36.5S–.10 177.8E–.10 35 3.8b 16 1-41
IDC VI 04 19 19 29.0–10 36.52S 178.28E 0 4.0,3.8 **¶13680489**
WEL VI 04 19 19 32.4–.93 36.38S 177.73E 5 3.9L,3.8
ISCJB VI 04 19 19 34.7–1.2 36.62S–.06 177.8E–.10 33 3.6b,3.8
ISC Event type ke.
WEL Event type ke.
ISCJB Event type ke.
ISC VI 04 19 45 08.8–1.6 36.6S–.10 177.67E–.10 5 4.1b 18 1-54
IDC VI 04 19 45 06.9–2.9 36.53S 177.90E 0 4.3,4.1 **¶13680491**
ISCJB VI 04 19 45 07.5–1.1 36.57S–.07 177.68E–.08 5 4.0b,4.1
WEL VI 04 19 45 08.7–1.2 36.45S 177.69E 5 4.2L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=57.8km s-min=24.4km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.1km az=41.7.
WEL Event type ke. Error ellipse: s-maj=9.5km s-min=7.8km az=0.0.
WEL VI 04 20 21 55.0–.48 36.04S 178.40E 193–4 3.5L
¶14311087

WEL Event type ke. Error ellipse: s-maj=10.1km s-min=5.7km az=90.0.
WEL VI 04 21 24 01.5–1.1 36.40S 177.93E 5 3.6L
¶14311088

WEL Event type ke. Error ellipse: s-maj=7.5km s-min=7.5km az=0.0.
WEL VI 04 22 49 01.6–.39 38.66S 178.53E 33 3.6L
¶14311089

WEL Event type ke. Error ellipse: s-maj=4.5km s-min=1.4km az=90.0.
WEL VI 04 23 43 58.4–.99 36.45S 177.73E 5 3.8L
¶14311090

WEL Event type ke. Error ellipse: s-maj=7.2km s-min=6.9km az=90.0.
WEL VI 05 00 06 10.0–.33 36.36S 177.77E 12 3.7L
¶14305661

WEL Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=90.0.
WEL VI 07 12 08 19.5–1.3 36.43S 177.77E 12 3.7L
¶14305743

WEL Event type ke. Error ellipse: s-maj=10.4km s-min=9.0km az=90.0.
WEL VI 07 20 53 30.9–.63 37.03S 177.00E 220–6 4.3L
¶14305754

WEL Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=0.0.
WEL VI 07 22 31 55.9–.47 36.45S 177.73E 5 3.7L
¶14305757

WEL Event type ke. Error ellipse: s-maj=3.4km s-min=3.4km az=90.0.
WEL VI 08 17 04 39.8–1.6 36.50S 177.55E 5 3.7L
¶14305791

WEL Event type ke. Error ellipse: s-maj=11.3km s-min=7.8km az=0.0.
WEL VI 08 23 43 49.9–.25 37.05S 177.22E 5 3.5L
¶14305799

WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=0.0.
WEL VI 09 04 00 56.1–.78 36.97S 177.78E 221–8 3.5L
¶14305848

WEL Event type ke. Error ellipse: s-maj=11.8km s-min=9.1km az=90.0.
WEL VI 09 13 08 11.8–.30 37.13S 177.25E 5 3.6L
¶14305860

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=0.0.
WEL VI 09 19 39 03.4–.81 36.18S 178.10E 193–17 3.5L
¶14305863

WEL Event type ke. Error ellipse: s-maj=17.8km s-min=11.9km az=0.0.
ISC VI 12 13 41 40.0–.89 37.65S–.06 179.51E–.08 29 4.2b 96 1-156
IDC VI 12 13 41 36.9–1.1 37.14S 179.28E 0 4.4,4.3 ¶13681223
WEL VI 12 13 41 38.0–.44 37.33S 179.62E 12 4.3L,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=26.0km az=167.0.
WEL Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=0.0.
WEL VI 13 20 17 10.3–.62 37.20S 179.56E 33 3.6L
¶14306003

WEL Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=90.0.
WEL VI 15 06 38 15.9–.43 36.83S 177.23E 187–3 3.6L
¶14306047

WEL Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=0.0.
WEL VI 15 15 33 49.1–.18 37.77S 177.21E 76–1 4.5L
NEIC VI 15 15 33 48.8 37.77S 177.22E 78 4.5L ¶14306056
WEL Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=0.0.
NEIC Event type se. After WEL.
ISC VI 17 21 35 07.5–2.9 35.84S–.06 179.77E–.08 24–19 4.4b,3.7s 111 2-163
IDC VI 17 21 35 04.2–.82 35.59S 179.65E 0 5.0L,4.5 ¶15156172
ISCJB VI 17 21 35 07.6–1.1 35.88S–.05 179.75E–.09 34–8 4.4b,3.7s
NEIC VI 17 21 35 08.9–2.9 35.80S 179.77E 34–19 4.3b,3.7s
AUST VI 17 21 35 14.8 36.20S 179.27E 35 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=22.5km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=8.4km az=171.1.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.3km az=80.0.
WEL VI 19 18 04 27.2–2.4 36.76S 177.03E 257–18 3.9L
¶14306242

WEL Event type ke. Error ellipse: s-maj=10.8km s-min=6.5km az=0.0.
WEL VI 24 07 06 36.2–.16 37.92S 177.33E 65–2 3.5L
¶14306435

WEL Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=0.0.
WEL VI 24 22 49 27.5–.55 36.88S 176.92E 252–4 3.8L
¶14306452

WEL Event type ke. Error ellipse: s-maj=6.1km s-min=5.8km az=90.0.
WEL VI 25 01 08 01.1–.39 36.82S 178.13E 83–4 3.6L
¶14306475

WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=0.0.
WEL VI 26 16 10 59.3–.79 35.69S 179.65E 33 3.6L
¶14306535

WEL Event type ke. Error ellipse: s-maj=8.0km s-min=5.3km az=90.0.
WEL VI 26 21 05 03.5–.08 38.55S 178.02E 32–1 3.5L
¶14306547

WEL Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=90.0.
ISC VI 26 22 44 28.0–1.7 35.3S–.10 178.2E–.20 200 26 2-148
IDC VI 26 22 44 20.9–7.7 34.84S 178.99E 171–78 3.9,3.8b ¶13682092
WEL VI 26 22 44 23.7–.34 35.27S 179.01E 237–8 3.9L,3.8b
ISCJB VI 26 22 44 26.8–1.3 35.28S–.07 178.1E–.20 200 3.9b,3.8b
ISC Event type ke.
WEL Event type ke.
ISCJB Event type ke.
ISC VI 28 11 56 09.2–1.2 36.62S–.10 177.9E–.10 218–8 4.0b 97 1-156
IDC VI 28 11 56 04.7–6.3 35.97S 177.97E 164–36 4.1,3.9 ¶13682194
WEL VI 28 11 56 08.5–.31 36.32S 177.98E 181–3 4.3L,3.9
NEIC VI 28 11 56 08.5 36.32S 177.98E 181 4.2b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=80.3km s-min=20.5km az=49.0.
WEL Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=90.0.
NEIC Event type se. After WEL.
WEL VI 28 14 45 00.3–.26 38.47S 178.65E 33 3.6L
¶14306732

WEL Event type ke. Error ellipse: s-maj=2.8km s-min=1.2km az=90.0.
WEL VI 29 17 47 19.9–.32 37.38S 177.29E 137–2 3.7L
¶14306782

WEL Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=0.0.

(161) Off west coast of South Island.

WEL II 15 07 38 50.1–.20 45.59S 166.95E 12 3.7L
¶12083226

WEL Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=90.0.
ISC II 21 20 52 38.7–3.1 46.1S–.10 165.71E–.07 7–19 3.7b 22 1-145
IDC II 21 20 52 37.9–3.5 45.69S 165.98E 0 3.9,3.8 ¶12083347
WEL II 21 20 52 40.8–.27 46.31S 165.64E 12 4.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=426.1km s-min=61.4km az=34.0.
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=90.0.
WEL II 22 13 42 06.3–.37 45.13S 166.63E 12 4.0L
¶12083356

WEL Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=90.0.
ISC II 23 05 17 17.5–3.8 46.19S–.08 165.62E–.06 14–24 3.7b 30 1-145
IDC II 23 05 17 15.1–1.9 46.47S 165.32E 0 4.2,3.9 ¶12083359
ISCJB II 23 05 17 16.9–1.3 46.13S–.08 165.56E–.07 20–9 3.8b,3.9
WEL II 23 05 17 17.9–.79 46.19S 165.66E 5 4.1L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=169.2km s-min=44.9km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=7.7km az=6.0.
WEL Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=90.0.
WEL III 09 01 11 40.5–1.1 47.54S 165.52E 33 3.7L
¶12791125

WEL Event type ke. Error ellipse: s-maj=9.8km s-min=8.5km az=90.0.
WEL III 13 05 26 32.2–.52 47.77S 165.31E 33 4.0L
¶12791175

WEL Event type ke. Error ellipse: s-maj=5.8km s-min=3.2km az=90.0.
WEL III 13 12 03 03.5–.66 47.61S 165.41E 12 4.2L
NEIC III 13 12 03 06.7 47.42S 165.67E 12 4.1L ¶12791177
WEL Event type ke. Error ellipse: s-maj=7.5km s-min=4.3km az=90.0.
NEIC Event type se. After WEL.
WEL IV 02 23 35 02.3–1.1 47.48S 165.67E 33 4.1L
¶14210547

WEL Event type ke. Error ellipse: s-maj=10.4km s-min=7.2km az=90.0.
WEL IV 13 17 15 24.9–.65 47.26S 165.80E 5 4.2L
¶14210973

WEL Event type ke. Error ellipse: s-maj=6.2km s-min=3.5km az=90.0.
WEL IV 13 17 18 46.6–.37 45.65S 166.70E 12 3.7L
¶14210974

WEL Event type ke. Error ellipse: s-maj=4.6km s-min=1.9km az=90.0.
WEL IV 14 23 02 07.3–.10 46.14S 167.79E 12 4.5L
NEIC IV 14 23 02 06.2 46.15S 167.77E 5 4.5L ¶14211012
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=90.0. Felt from Fiordland to Southland, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Otautau and Tuatapere. Also felt at Invercargill and on Stewart Island. After WEL.
WEL IV 19 11 17 02.4–.94 47.25S 165.28E 33 4.0L
¶14211129

WEL Event type ke. Error ellipse: s-maj=8.9km s-min=6.4km az=90.0.
WEL V 01 05 41 00.6–.46 45.63S 166.71E 12 3.5L
¶14301406

WEL Event type ke. Error ellipse: s-maj=5.4km s-min=2.4km az=90.0.
WEL V 01 10 04 32.4–.58 47.93S 165.50E 33 3.5L
¶14301410

WEL Event type ke. Error ellipse: s-maj=5.6km s-min=4.3km az=90.0.
ISC VI 07 20 06 17.8–.93 46.85S–.10 165.69E–.06 15 29 2-153
AUST VI 07 20 06 12.8 47.44S 165.66E 0 ¶15155858
ISCJB VI 07 20 06 16.4–.93 46.8S–.10 165.57E–.06 15 3.4b
WEL VI 07 20 06 16.3–.66 47.03S 165.27E 33 4.3L
IDC VI 07 20 06 16.6–1.8 46.44S 165.66E 0 4.0L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=6.0km az=0.0.
WEL Event type ke. Error ellipse: s-maj=6.6km s-min=4.5km az=90.0.
IDC Error ellipse: s-maj=63.7km s-min=28.6km az=171.0.
WEL VI 22 17 45 44.6–.25 40.94S 172.83E 194–2 3.9L
¶14306378

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=90.0.
ISC VI 27 18 32 20.5–1.5 42.58S–.05 169.87E–.05 27–13 3.9b,3.5s 141 1-151
IDC VI 27 18 32 16.9–.91 42.43S 169.93E 0 3.8,3.7 ¶15156286
AUST VI 27 18 32 17.9–99 42.59S 169.89E 0–0 3.8,3.7
ISCJB VI 27 18 32 19.6–.51 42.53S–.04 169.87E–.06 39–14 3.8b,3.4s
WEL VI 27 18 32 20.6–.80 42.50S 169.80E 33 4.8L,3.4s
NEIC VI 27 18 32 22.0 42.60S 169.91E 33 4.8L,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=29.5km s-min=17.8km az=38.0.
AUST Error ellipse: s-maj=2.5km s-min=0.9km az=300.0.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=3.3km az=41.6.
WEL Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=90.0. Felt in the West Coast region, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Greymouth, Hokitika, Runanga and Westport. After WEL.

(162) South Island.

WEL I 02 13 56 35.9–.15 45.41S 167.03E 55–1 4.0L
NEIC I 02 13 56 35.8 45.41S 167.02E 56 4.0L ¶11751931
WEL Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=90.0.
NEIC Event type se. After WEL.
WEL I 03 18 24 25.1–.14 44.49S 168.27E 5 3.5L
¶11751958

WEL Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=90.0. Felt in the Otago region, maximum reported intensity MM 4.
WEL I 03 18 51 59.3–.16 44.49S 168.28E 5 3.6L
¶11751959

WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=90.0.
WEL I 04 18 53 48.2–.13 44.74S 167.80E 62–1 3.7L
¶11751992

WEL Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=90.0.
WEL I 05 11 34 47.4–.14 45.76S 167.47E 12 3.7L
NEIC I 05 11 34 47.5 45.77S 167.46E 12 3.7L ¶11752008
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=90.0. Felt in the Fiordland region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Manapouri. After WEL.
WEL I 10 23 09 13.1–.20 41.30S 172.59E 208–1 4.1L
NEIC I 10 23 09 13.1 41.22S 172.60E 209 4.1 ¶11752121
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=90.0.
NEIC Event type se. After WEL.
ISC I 11 15 50 51.1–.74 41.64S–.04 173.24E–.04 107–5 178 0-151
ISCJB I 11 15 50 49.1–.31 41.68S–.03 173.28E–.05 114–4 3.7b ¶13404810
NEIC I 11 15 50 51.0 41.60S 173.23E 102 4.6
WEL I 11 15 50 51.1–.19 41.58S 173.24E 100–1 4.6L
IDC I 11 15 50 51.9–6.5 41.70S 172.95E 98–49 3.6,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.4km az=41.2.
NEIC Event type fe. Felt [IV] at Motueka and Nelson. Felt in the Wellington area and in the northern part of the South Island. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.6km az=90.0. Felt from Taranaki to Canterbury, and from West Coast to Manawatu, maximum. reported intensity MM 5.
IDC Error ellipse: s-maj=61.4km s-min=28.1km az=56.0.
WEL I 14 11 46 28.2–.24 44.87S 167.56E 116–1 3.7L
NEIC I 14 11 46 27.9 44.85S 167.55E 117 3.7 ¶11752192
WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=90.0.
NEIC Event type se. After WEL.
WEL I 24 20 19 30.4–.17 45.08S 167.43E 91–1 4.2L
NEIC I 24 20 19 30.1 45.07S 167.42E 94 4.3 ¶11752390
WEL Event type fe. Error ellipse: s-maj=1.5km s-min=0.9km az=90.0. Felt in Fiordland and Otago, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Arthurs Point, Queenstown and Te Anau. After WEL.
WEL I 25 21 44 35.9–.21 45.15S 167.40E 109–1 3.6L
¶11752417

WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=90.0.
ISC I 30 08 26 56.6–.97 42.80S–.03 172.46E–.03 9–6 4.2b,3.5s 105 0-154
IDC I 30 08 26 55.1–1.1 42.78S 172.58E 0 4.4,4.3 ¶11713956
ISCJB I 30 08 26 56.2–.48 42.81S–.03 172.44E–.04 14–4 4.2b,3.6s
WEL I 30 08 26 57.6–.15 42.74S 172.38E 8–1 4.8L,3.6s
NEIC I 30 08 26 57.3 42.75S 172.43E 6 4.8L,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=31.2km s-min=15.5km az=134.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.4km az=135.9.
WEL Event type fe. Error ellipse: s-maj=1.6km s-min=0.9km az=90.0. Felt from West Coast to Canterbury, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL II 07 10 20 38.6–.32 41.23S 172.57E 214–2 3.6L
¶12082997

WEL Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=90.0.
WEL II 08 17 13 23.2–.20 45.54S 167.07E 76–1 3.9L
¶12083019

WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=90.0.
WEL II 09 07 34 10.6–.22 41.67S 173.42E 54–3 3.6L
¶12083039

WEL Event type fe. Error ellipse: s-maj=2.1km s-min=1.8km az=90.0. Felt in the Marlborough region, maximum reported intensity MM 3.
WEL II 10 03 45 02.5–.19 44.80S 167.37E 5 3.7L
¶12083057

WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=90.0.
WEL II 17 10 54 00.6–.21 45.05S 167.47E 92–2 3.5L
¶12083272

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=90.0.
WEL II 18 17 41 52.3–.30 45.10S 167.39E 118–2 3.9L
¶12083299

WEL Event type ke. Error ellipse: s-maj=2.6km s-min=1.5km az=90.0.
WEL II 23 07 24 21.4–.10 41.92S 173.73E 41–3 3.6L
¶12083360

WEL Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=90.0.
WEL II 25 17 59 26.7–.12 43.50S 171.54E 12 3.5L
¶12058385

WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=0.0.
ISC III 04 14 41 23.0–.72 43.25S–.03 172.19E–.04 13 97 0-153
ISCJB III 04 14 41 21.9–.32 43.30S–.04 172.26E–.05 13 3.5s,3.4b ¶12702429
IDC III 04 14 41 21.4–1.4 43.05S 172.29E 0 3.7,3.6
NEIC III 04 14 41 23.9 43.21S 172.16E 5 4.1L,3.6
WEL III 04 14 41 23.9–.12 43.21S 172.16E 5 4.1L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.1km az=42.5.
IDC Error ellipse: s-maj=94.2km s-min=39.3km az=26.0.
NEIC Event type fe. Felt [IV] at Oxford. Felt in the central part of the South Island. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0. Felt from West Coast to Canterbury, maximum reported intensity MM 6.
WEL III 07 06 46 43.4–.16 45.47S 167.42E 12–1 3.7L
¶12791119

WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.1km az=90.0. Felt from Fiordland to Southland, maximum reported intensity MM 4.
WEL III 10 18 39 11.3–.10 42.97S 171.45E 5 3.5L

¶12791130

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=0.0. Felt in the Canterbury region, maximum reported intensity MM 4.

WEL III 13 14 43 26.4–.29 45.10S 167.40E 118–2 3.8L

¶12791179

WEL Event type ke. Error ellipse: s-maj=2.7km s-min=1.5km az=90.0.

WEL III 17 23 45 36.5–.24 41.23S 172.59E 215–1 3.5L

¶12791235

WEL Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=90.0.

ISC	**III**	**24 00 53 10.1–1.4**	**45.17S–.03**	**167.02E–.05**	**18–9**	**3.9b**	**83**	**0-152**
IDC	III	24 00 53 07.2–.89	45.35S	167.04E	0	4.2L,4.1		**¶12635435**
ISCJB	III	24 00 53 10.0–.82	45.15S–.04	166.97E–.07	24–6	3.8b,3.5s		
NEIC	III	24 00 53 10.2	45.13S	166.91E	12	4.6L,3.5s		
WEL	III	24 00 53 12.4–.32	45.15S	167.11E	12	4.5L,3.5s		

ISC Event type fe.
IDC Error ellipse: s-maj=29.7km s-min=22.9km az=169.0.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=5.9km az=32.9.
NEIC Event type fe. Felt [IV] at Te Anau. Also felt at Invercargill. After WEL.
WEL Event type fe. Error ellipse: s-maj=2.9km s-min=1.3km az=90.0. Felt from Otago to Southland, maximum reported intensity MM 4.

ISC	**III**	**26 08 34 04.0–.68**	**45.05S–.05**	**167.55E–.06**	**106–5**	**3.8b**	**98**	**0-152**
ISCJB	III	26 08 34 03.0–.45	45.00S–.05	167.64E–.08	107–4	3.8b		**¶12635626**
NEIC	III	26 08 34 04.2	45.06S	167.42E	97	4.7L		
WEL	III	26 08 34 04.2–.16	45.06S	167.42E	97–1	4.7L		
IDC	III	26 08 34 06.2–2.2	44.77S	167.79E	125–21	3.5,3.3b		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.9km az=37.9.
NEIC Event type se. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.5km s-min=1.0km az=90.0. Felt from Otago to Southland, maximum reported intensity MM 4.
IDC Error ellipse: s-maj=23.5km s-min=20.6km az=38.0.

ISC	**III**	**27 16 46 41.3–.99**	**44.28S–.03**	**169.99E–.03**	**10–7**	**4.0b,3.7s**	**85**	**0-153**
ISCJB	III	27 16 46 41.2–.38	44.27S–.03	170.05E–.04	25–4	3.9b,3.6s		**¶15153434**
WEL	III	27 16 46 41.9–.07	44.26S	169.99E	14–1	4.8L,3.6s		
IDC	III	27 16 46 42.2–.64	43.58S	169.85E	0	4.0,3.9b		
NEIC	III	27 16 46 42.1	44.26S	169.99E	14	4.9L,4.3b		
AUST	III	27 16 46 45.0–4.2	44.46S	170.03E	29–0	4.9L,4.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.1km az=141.5.
WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.5km az=90.0. Felt between West Coast, Otago and Canterbury, maximum reported intensity MM. 5.
IDC Error ellipse: s-maj=26.2km s-min=9.1km az=11.0.
NEIC Event type fe. Felt [V] at Twizel and [IV] at Cromwell, Dunedin, Queenstown and Wanaka. Felt widely in the central part of the South Island. After WEL.
AUST Error ellipse: s-maj=2.3km s-min=0.9km az=314.0.

WEL III 28 03 22 58.7–.22 45.21S 167.28E 100–1 3.5L

¶12723272

WEL Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=90.0.

WEL III 29 08 07 09.6–.30 44.31S 168.33E 5 3.7L

¶12723277

WEL Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=90.0.

ISC	**III**	**31 03 28 18.0–.82**	**41.56S–.04**	**172.95E–.04**	**132–5**	**3.6b**	**187**	**0-151**
ISCJB	III	31 03 28 17.0–.27	41.59S–.03	172.94E–.05	134–4	3.5b		**¶12636000**
IDC	III	31 03 28 16.3–1.1	41.61S	173.12E	109–12	3.6,3.5		
NEIC	III	31 03 28 18.8	41.51S	172.90E	126	4.5,3.5		
WEL	III	31 03 28 19.0–.17	41.50S	172.89E	124–1	4.6L,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=3.2km az=40.8.
IDC Error ellipse: s-maj=29.5km s-min=9.5km az=131.0.
NEIC Event type fe. Felt in the northern part of the South Island. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.5km s-min=1.4km az=90.0. Felt between Nelson, West Coast and Wellington, maximum reported intensity MM. 4.

WEL IV 01 12 56 51.6–.26 45.03S 167.39E 126–1 3.6L

¶14210508

WEL Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=90.0.

ISC	**IV**	**06 20 10 13.2–.63**	**41.71S–.04**	**172.97E–.04**	**90–4**	**4.3b**	**169**	**0-152**
ISCJB	IV	06 20 10 12.3–.27	41.75S–.03	172.97E–.05	103–4	4.3b		**¶12934619**
WEL	IV	06 20 10 13.9–.19	41.66S	172.90E	91–1	4.5L		
IDC	IV	06 20 10 13.6–.77	41.41S	172.97E	84–6	4.0,3.9b		
NEIC	IV	06 20 10 13.4–.26	41.77S	173.02E	97–5	4.5b,4.5L		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.3km az=38.9.
WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.5km az=90.0. Felt from Nelson to Canterbury, and from West Coast to Wellington, maximum. reported intensity MM 5.
IDC Error ellipse: s-maj=21.6km s-min=13.2km az=146.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=3.2km az=128.0. Felt in the northwestern part of the South Island.

WEL IV 08 14 27 26.3–.16 44.21S 168.41E 5 3.7L

¶14210782

WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=90.0.

WEL IV 10 09 08 58.8–.33 45.03S 167.54E 127–2 3.5L

¶14210866

WEL Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=90.0.

WEL IV 13 02 13 24.4–.28 41.47S 172.88E 122–2 3.9L

¶14210955

WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=90.0.

ISC	**IV**	**13 02 31 35.1–.52**	**43.50S–.03**	**171.61E–.03**	**15**	**4.3b**	**83**	**0-153**
IDC	IV	13 02 31 33.4–.98	43.34S	171.65E	0	4.3,4.2		**¶12935224**
ISCJB	IV	13 02 31 34.4–.28	43.48S–.03	171.61E–.03	15	4.2b,4.2		
WEL	IV	13 02 31 35.2–.10	43.49S	171.60E	5	4.3L,4.2		
NEIC	IV	13 02 31 36.3	43.56S	171.63E	12	4.3L,4.2		

ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=8.6km az=134.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.5km az=142.0.
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.8km az=90.0. Felt from West Coast to Canterbury, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Christchurch and Papanui. Also felt in central Canterbury. After WEL.

WEL IV 19 13 45 30.1–.14 41.47S 172.06E 12 3.6L

¶14211136

WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.1km az=90.0. Felt in the West Coast region, maximum reported intensity MM 4.

WEL IV 23 01 35 46.7–.24 41.38S 172.97E 116–1 3.7L

¶14211211

WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.7km az=0.0.

WEL IV 24 13 42 58.2–.35 41.28S 172.68E 209–2 3.8L

¶14211261

WEL Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=90.0.

WEL V 02 05 57 15.4–.04 44.26S 170.00E 14–0 3.6L

¶14301451

WEL Event type fe. Error ellipse: s-maj=0.5km s-min=0.4km az=90.0. Felt from Canterbury to Otago, maximum reported intensity MM 4.

WEL	**V**	**08 00 34 38.1–.06**	**43.15S**	**170.96E**	**5**	**4.0L**		
NEIC	V	08 00 34 38.1	43.15S	170.96E	5	4.0L		**¶14301674**

WEL Event type fe. Error ellipse: s-maj=0.6km s-min=0.5km az=0.0. Felt in the West Coast region, maximum reported intensity MM 3.
NEIC Event type fe. Felt at Hokitika. After WEL.

ISC	**V**	**13 00 49 58.6–.97**	**45.88S–.03**	**167.24E–.04**	**15–8**		**51**	**0-145**
IDC	V	13 00 49 56.5–2.0	45.94S	167.36E	0	3.9,3.8L		**¶13678845**
WEL	V	13 00 49 58.6–.14	45.86S	167.20E	12	4.3L,3.8L		
NEIC	V	13 00 49 58.7	45.86S	167.20E	12	4.4L,3.8L		
ISCJB	V	13 00 49 58.4–.57	45.86S–.04	167.22E–.06	20–7	3.7b,3.6s		

ISC Event type fe.
WEL Event type fe. Felt from Otago to Southland, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Manapouri. After WEL.
ISCJB Event type fe.

WEL V 15 10 32 35.5–.17 41.13S 173.92E 67–1 3.7L

¶14301960

WEL Event type fe. Error ellipse: s-maj=1.6km s-min=1.3km az=90.0. Felt from Nelson to Wellington, maximum reported intensity MM 4.

WEL V 17 07 48 16.2–.24 42.26S 171.34E 5 3.6L

¶14302055

WEL Event type fe. Error ellipse: s-maj=2.6km s-min=1.6km az=90.0. Felt in the West Coast region, maximum reported intensity MM 4.

WEL V 23 09 07 49.6–.30 45.41S 167.20E 137–2 3.6L

¶14302330

WEL Event type ke. Error ellipse: s-maj=3.6km s-min=1.3km az=90.0.

WEL V 24 19 33 59.6–.22 45.16S 167.36E 121–1 3.9L

¶14302380

WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.2km az=90.0.

ISC	**V**	**26 19 57 26.2–.77**	**44.50S–.03**	**169.84E–.03**	**12**		**50**	**0-147**
IDC	V	26 19 57 21.4–2.5	42.45S	171.62E	0	3.8,3.6		**¶16156190**
ISCJB	V	26 19 57 25.8–.38	44.48S–.03	169.84E–.05	12	3.5b,3.6		
WEL	V	26 19 57 26.3–.10	44.50S	169.86E	5	4.3L,3.6		
NEIC	V	26 19 57 26.3	44.50S	169.86E	5	4.3L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=54.3km s-min=16.0km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.8km az=136.2.
WEL Event type fe. Error ellipse: s-maj=1.2km s-min=0.9km az=90.0. Felt from Canterbury to Otago, maximum reported intensity MM 4.
NEIC Event type fe. Felt from Canterbury to Otago. After WEL.

WEL VI 10 13 26 09.0–.22 44.97S 167.46E 102–1 3.5L

¶14305887

WEL Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=90.0.

WEL VI 13 14 05 12.2–.28 45.21S 167.30E 105–2 3.8L

¶14306002

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=90.0.

WEL VI 14 09 31 20.3–.10 43.73S 171.61E 5 3.7L

¶14306022

WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.9km az=0.0. Felt in the Canterbury region, maximum reported intensity MM 4.

WEL VI 14 18 13 07.2–.54 44.83S 167.25E 33 3.7L

¶14306029

WEL Event type ke. Error ellipse: s-maj=6.7km s-min=3.7km az=90.0.

WEL VI 16 04 50 22.5–.25 45.04S 167.48E 118–2 3.5L

¶14306098

WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.3km az=90.0.

WEL	**VI**	**28 05 57 46.6–.10**	**42.69S**	**173.44E**	**33**	**3.6L**		
NEIC	VI	28 05 57 46.7	42.70S	173.45E	33	3.7L		**¶14306727**

WEL Event type fe. Error ellipse: s-maj=1.6km s-min=0.9km az=90.0. Felt in the Canterbury region, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] at Cheviot. After WEL.

(163) Cook Strait.

ISC	**I**	**03 18 56 24.0–.98**	**40.60S–.04**	**174.86E–.04**	**66–7**		**69**	**0-152**
IDC	I	03 18 56 17.3–1.6	40.50S	174.71E	0	3.6,3.5b		**¶11751960**
ISCJB	I	03 18 56 23.7–.38	40.61S–.03	174.88E–.05	72–5	3.5b,3.5b		
WEL	I	03 18 56 25.8–.08	40.56S	174.86E	50–2	3.8L,3.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=41.9km s-min=23.8km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.1km az=36.7.
WEL Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0.

WEL	**II**	**13 16 10 05.0–.09**	**40.16S**	**174.90E**	**12**	**3.7L**		
NEIC	II	13 16 10 00.0	40.16S	174.91E	12	3.7L		**¶12083198**

WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.6km az=90.0. Felt from Wanganui to Manawatu, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Wanganui. After WEL.

WEL II 23 17 59 42.0–.27 40.73S 173.21E 165–2 3.5L

¶12083362

WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=0.0.

WEL	**III**	**11 09 46 30.7–.09**	**41.69S**	**174.48E**	**54–1**	**4.3L**		
NEIC	III	11 09 46 30.6	41.70S	174.48E	54	4.3L		**¶12791147**

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.7km az=0.0. Felt from Wellington to Marlborough, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] at Wellington and Whitby. After WEL.

WEL III 14 17 05 25.6–.21 40.54S 173.52E 158–2 4.1L

¶12791190

WEL Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=90.0.

WEL III 17 14 43 06.6–.22 40.43S 173.54E 158–1 3.6L

¶12791234

WEL Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=90.0.

WEL III 21 14 23 05.2–.18 40.31S 174.09E 118–2 3.7L

¶12791284

WEL Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=90.0.

ISC	**III**	**22 13 34 26.1–.65**	**40.44S–.04**	**173.48E–.04**	**167–5**	**4.0b**	**271**	**0-157**
IDC	III	22 13 34 23.7–1.0	40.43S	173.52E	138–10	4.1,4.0		**¶12635288**
ISCJB	III	22 13 34 24.8–.23	40.46S–.03	173.42E–.04	165–3	4.0b,4.0		
NEIC	III	22 13 34 26.8	40.43S	173.51E	160	4.5b,4.0		
WEL	III	22 13 34 27.2–.20	40.43S	173.49E	156–1	4.9L,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=17.8km s-min=9.2km az=125.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.1km az=33.5.
NEIC Event type fe. Felt at Blenheim, Nelson, Wanganui and Wellington. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.6km az=90.0. Felt between Taranaki, Canterbury and Manawatu, maximum reported intensity MM. 4.

WEL IV 12 10 45 54.8–.22 40.17S 173.77E 161–2 3.8L

¶14210933

WEL Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=90.0.

WEL IV 19 06 54 48.0–.25 40.40S 173.59E 155–2 3.7L

¶14211122

WEL Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=90.0.

WEL IV 28 17 36 01.8–.05 41.09S 174.89E 32–0 3.1L

¶14211358

WEL Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=90.0.

WEL IV 30 07 34 34.1–.28 40.37S 173.38E 192–2 3.6L

¶14211390

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=90.0.

WEL	**V**	**01 05 16 14.2–.05**	**41.19S**	**174.81E**	**31–0**	**4.1L**		
NEIC	V	01 05 16 14.3	41.19S	174.81E	30	4.1L		**¶12742822**

WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0. Felt between Wellington, Marlborough and Wairarapa, maximum reported. intensity MM 5.
NEIC Event type fe. Felt [IV] in the Paraparaumu-Silverstream-Wellington area. Also felt at Martinborough and Picton. After WEL.

WEL V 07 22 39 52.6–.05 41.27S 174.83E 29–0 3.7L

¶14301638

WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0. Felt from Manawatu to Marlborough, maximum reported intensity MM 5.

WEL V 09 02 45 16.9–.29 40.22S 173.48E 164–2 3.7L

¶14301718

WEL Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=90.0.

WEL V 10 12 22 35.8–.26 40.08S 173.94E 163–2 3.9L

¶14301754

WEL Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=90.0.

ISC	**V**	**14 23 47 36.6–.76**	**41.38S–.03**	**174.14E–.03**	**46–5**	**3.9b**	**96**	**0-152**
ISCJB	V	14 23 47 35.8–.34	41.41S–.04	174.14E–.04	57–5	3.9b,3.4s		**¶13678962**
NEIC	V	14 23 47 37.3	41.37S	174.12E	39	4.5L,3.4s		
WEL	V	14 23 47 37.3–.07	41.37S	174.12E	39–1	4.5L,3.4s		
IDC	V	14 23 47 39.0–2.3	40.97S	174.14E	73–20	3.9,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.3km az=144.2.
NEIC Event type fe. Felt [V] at Blenheim and [IV] at Kelburn, Lower Hutt, Picton, Redwoodtown, Renwick, Springlands, Wellington and Witherlea. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=0.0. Felt from Wellington to Nelson, maximum reported intensity MM 5.
IDC Error ellipse: s-maj=25.8km s-min=22.2km az=100.0.

WEL V 19 10 19 55.6–.37 40.16S 173.63E 178–3 3.5L

¶14302144

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=90.0.

WEL V 26 17 29 55.1–.06 41.08S 174.58E 39–1 3.5L

¶14302494

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.8km az=0.0. Felt in the Wellington region, maximum reported intensity MM 3.

WEL V 29 01 51 44.6–.20 41.94S 174.03E 20–1 3.5L
NEIC V 29 01 51 44.6 41.94S 174.03E 20 3.5L **¶14302687**
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.5km az=90.0. Felt in the Marlborough region, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] in Marlborough. After WEL.
WEL V 29 09 15 40.5–.23 40.51S 173.36E 167–2 3.5L
¶14302698
WEL Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=90.0.
WEL VI 01 10 47 29.0–.22 40.32S 173.31E 172–1 4.2L
NEIC VI 01 10 47 29.0 40.32S 173.31E 172 4.2 **¶14310943**
WEL Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=90.0.
NEIC Event type se. After WEL.
WEL VI 03 23 47 25.3–.23 40.29S 174.36E 97–3 3.5L
¶14311044
WEL Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=90.0.
ISC VI 04 14 33 12.0–.90 41.10S–.03 174.55E–.03 56–5 179 0-147
ISCJB VI 04 14 33 11.3–.28 41.15S–.03 174.54E–.04 66–4 3.4b **¶13680476**
IDC VI 04 14 33 11.2–2.6 41.00S 174.53E 42–32 3.5,3.4
NEIC VI 04 14 33 13.8 41.08S 174.59E 44 4.3L,3.4
WEL VI 04 14 33 13.4–.05 41.06S 174.54E 44–0 4.0L,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.3km az=38.9.
IDC Error ellipse: s-maj=71.1km s-min=17.0km az=134.0.
NEIC Event type fe. Felt from Wellington to Marlborough. After WEL.
WEL Event type fe. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0. Felt from Wellington to Marlborough, maximum reported intensity MM 5.
WEL VI 07 09 27 28.8–.06 41.07S 174.56E 44–1 3.9L
NEIC VI 07 09 27 28.9 41.05S 174.56E 42 3.9L **¶14305738**
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0. Felt from Nelson to Wellington, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] in the Wellington area. Also felt at Nelson and Picton. After WEL.
WEL VI 12 02 14 09.7–.08 40.38S 174.95E 5 3.7L
¶14305957
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.5km az=90.0. Felt in the Manawatu region, maximum reported intensity MM 4.
WEL VI 15 19 56 34.5–.18 40.56S 173.42E 166–1 4.1L
¶14306060
WEL Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=90.0.
WEL VI 18 18 24 19.0–.25 40.03S 173.76E 215–2 3.5L
¶14306200
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=90.0.

(164) Off east coast of South Island.

WEL II 07 23 50 21.7–.29 43.63S 179.72E 33 3.9L
¶12083010
WEL Event type ke. Error ellipse: s-maj=5.3km s-min=2.9km az=0.0.
WEL II 27 08 19 52.0–.14 43.06S 173.36E 26–1 3.8L
NEIC II 27 08 19 52.0 43.06S 173.36E 26 3.8L **¶12058390**
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=0.8km az=90.0. Felt in the Canterbury region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Cheviot. After WEL.
WEL IV 09 07 05 03.5–.48 44.56S 173.75E 33 3.8L
¶14210819
WEL Event type ke. Error ellipse: s-maj=4.9km s-min=2.8km az=90.0.

(166) Auckland Islands region.

ISC III 13 00 14 24.6–.55 49.9S–.10 163.4E–.10 35 4.9s,4.5b 55 7-160
IDC III 13 00 14 20.4–.84 50.07S 162.88E 0 4.9s,4.9 **¶12703122**
ISCJB III 13 00 14 21.3–.58 49.84S–.08 163.7E–.20 33 4.8s,4.4b
NEIC III 13 00 14 22.7–.68 49.79S 163.63E 25 4.7b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=18.7km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=10.9km az=165.3.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=18.2km az=182.0.
ISC III 14 10 50 50.4–.53 49.20S–.05 164.68E–.06 27–3 5.1b,4.5s 247 3-162
ISCJB III 14 10 50 45.0–1.6 49.21S–.05 164.76E–.06 1–10 5.0b,4.5s **¶15153188**
IDC III 14 10 50 46.1–.59 49.32S 164.53E 0 5.1,5.0
AUST III 14 10 50 49.3–1.2 49.25S 164.74E 23–0 5.1,5.0
BJI III 14 10 50 49.7 49.60S 163.84E 25 5.5b,5.4b
NEIC III 14 10 50 50.0–.31 49.19S 164.74E 26 5.0b,5.4b
MOS III 14 10 50 50.1–1.1 49.21S 164.45E 33 5.4b,5.4b
DJA III 14 10 50 55.6–.80 49S–11 164E–23 10 5.6b,5.1
GCMT III 14 10 50 55.0–.30 49.08S 164.32E 38–1 5.1W,5.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.4km az=146.7.
IDC Error ellipse: s-maj=24.6km s-min=17.3km az=58.0.
AUST Error ellipse: s-maj=1.4km s-min=0.7km az=331.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.2km az=135.0. Felt at Mosgiel and Owaka.
MOS Error ellipse: s-maj=19.3km s-min=9.5km az=101.3.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s44,c54; s75,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}3.06±.24 $M_{\theta\theta}$2.23±.17; $M_{\phi\phi}$-5.29±.15; $M_{r\theta}$3.14±.20; $M_{\theta\phi}$0.64±.14; $M_{\phi r}$-0.49±.15; Best double couple: NP1:ϕ_s28.00000°,δ53.00000°,λ145.00000°. NP2:ϕ_s141.00000°,δ63.00000°,λ43.00000°. Principal axes: T 5.8100,Plg49.0000° ,Azm360.0000°; N -0.3900,Plg41.0000°,Azm168.0000°; P -5.4200,Plg6.0000° ,Azm263.0000° $M_0$5.60000×10^{16}

(167) Macquarie Island region.

ISC I 06 14 54 51.7–.64 55.31S–.09 158.7E–.10 10 4.2b,4.0s 26 10-155
ISCJB I 06 14 54 50.4–.54 55.36S–.08 158.7E–.20 10 4.2b,4.0s **¶11659091**
IDC I 06 14 54 50.5–.74 55.45S 158.40E 0 4.4,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=8.6km az=29.0.
IDC Error ellipse: s-maj=31.6km s-min=21.6km az=72.0.
IDC IV 17 20 30 33.3–1.3 55.37S 159.33E 0 4.0,3.9
¶16152947
IDC Error ellipse: s-maj=83.4km s-min=23.8km az=66.0.
IDC V 26 22 45 17.9–10 58.11S 159.63E 0 3.7,3.6
¶16156196
IDC Error ellipse: s-maj=493.5km s-min=32.3km az=73.0.
IDC V 29 16 27 07.3–8.1 55.59S 158.03E 0 3.7s,3.7
¶16156319
IDC Error ellipse: s-maj=416.8km s-min=21.9km az=72.0.
ISC VI 11 00 01 57.2–.77 57.65S–.08 161.3E–.20 10 4.1b 20 3-86
ISCJB VI 11 00 01 55.5–.56 57.71S–.06 161.5E–.20 10 4.2b,4.0s **¶13681133**
IDC VI 11 00 01 56.1–1.7 57.73S 161.42E 0 4.3,4.2
NEIC VI 11 00 01 57.5–.55 57.68S 161.34E 10 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=8.5km az=5.5.
IDC Error ellipse: s-maj=68.2km s-min=19.5km az=76.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.3km az=96.0.

SEISMIC REGION 12.
Kermadec-Tonga-Samoa Area.

(169) Samoa Islands region.

IDC I 01 23 21 59.9–1.3 16.22S 172.33W 0 4.1,3.9
¶12079785
IDC Error ellipse: s-maj=55.6km s-min=24.9km az=132.0.
IDC I 12 09 49 14.6–2.6 14.70S 175.80W 290–38 3.4,3.2
¶12081100
IDC Error ellipse: s-maj=103.4km s-min=15.9km az=146.0.
IDC I 16 10 09 48.9–7.0 15.98S 172.96W 0 4.2,4.0
¶12081424
IDC Error ellipse: s-maj=283.2km s-min=27.8km az=136.0.
IDC I 17 10 52 51.5–42 15.51S 169.84W 0 4.1,3.9b
¶12081528
IDC Error ellipse: s-maj=829.0km s-min=195.5km az=80.0.
ISC I 27 10 30 06.4–.66 15.8S–.10 172.8W–.20 24 4.4b,4.0s 49 2-174
IDC I 27 10 30 04.2–.77 15.56S 173.02W 0 4.5,4.3 **¶11713945**
NEIC I 27 10 30 04.7–.53 15.86S 172.77W 10 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=13.1km az=140.0.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=10.3km az=137.0.
ISC I 28 12 39 43.3–.29 16.96S–.04 171.98W–.04 14–1 5.6b,5.3s 2211 3-174
SZGRF I 28 12 39 40.2 18.93S 172.30W 26 5.3b,5.3s **¶11656166**
ISCJB I 28 12 39 40.7–2.0 16.90S–.03 172.12W–.03 3–12 5.4b,5.2s
IDC I 28 12 39 41.2–.45 16.98S 172.07W 0 5.4,5.3
NEIC I 28 12 39 42.8–.11 16.97S 172.07W 10 5.6b,5.3s
BJI I 28 12 39 42.2 16.50S 171.87W 8 5.7b,5.2s
DJA I 28 12 39 44 17.19S 172.31W 10 5.5b,5.2s
MOS I 28 12 39 46.6–1.1 16.59S 172.05W 33 5.7b,5.2s
ISC Event type se.
SZGRF Tonga Islands region.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.3km az=146.2.
IDC Error ellipse: s-maj=20.0km s-min=12.8km az=159.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.1km az=142.0.
MOS Error ellipse: s-maj=11.1km s-min=7.6km az=69.6.
IDC I 29 20 35 43.1–44 16.40S 170.70W 0 4.2,4.0b
¶12082693
IDC Error ellipse: s-maj=866.2km s-min=199.0km az=80.0.
IDC I 30 04 02 29.4–1.9 14.46S 175.17W 0 4.3,4.2s
¶12082712
IDC Error ellipse: s-maj=122.3km s-min=25.3km az=150.0.
IDC II 04 19 09 25.7–6.9 15.95S 172.92W 0 4.0,3.8
¶15955021
IDC Error ellipse: s-maj=276.6km s-min=27.6km az=135.0.
IDC II 12 13 46 45.0–1.7 14.58S 175.94W 269–16 4.1,3.9
¶15955712
IDC Error ellipse: s-maj=29.8km s-min=12.8km az=141.0.
IDC II 24 23 02 06.9–57 13.94S 174.78W 0 4.3,4.2
¶15957189
IDC Error ellipse: s-maj=1092.0km s-min=177.7km az=76.0.
IDC II 26 07 55 22.2–58 14.83S 175.73W 0 4.3,4.1
¶15957344
IDC Error ellipse: s-maj=1086.0km s-min=177.9km az=76.0.
IDC II 28 14 46 15.3–44 16.88S 170.35W 0 4.0,3.8
¶15957526
IDC Error ellipse: s-maj=878.4km s-min=196.3km az=81.0.
IDC III 01 09 19 06.5–2.9 15.06S 172.38W 0 3.9,3.7b
¶12702178
IDC Error ellipse: s-maj=130.0km s-min=16.7km az=132.0.
IDC III 01 11 36 39.5–8.6 15.18S 172.43W 0 4.9,4.7b
¶12702186
IDC Error ellipse: s-maj=177.4km s-min=140.0km az=123.0.
IDC III 06 01 56 13.9–2.4 16.49S 171.72W 0 3.8,3.7
¶12702532
IDC Error ellipse: s-maj=79.7km s-min=27.9km az=130.0.
IDC III 06 08 29 28.0–3.5 14.53S 173.88W 0 4.0,3.7b
¶12702548
IDC Error ellipse: s-maj=185.2km s-min=36.9km az=141.0.
IDC III 06 22 12 59.8–7.7 16.56S 172.87W 0 3.8,3.5b
¶12702594
IDC Error ellipse: s-maj=364.2km s-min=59.9km az=142.0.
IDC III 11 13 51 10.0–6.7 15.41S 172.98W 0 3.9,3.6b
¶12702969
IDC Error ellipse: s-maj=306.0km s-min=23.1km az=140.0.
IDC III 11 14 54 34.1–42 15.19S 171.95W 0 4.1,3.9b
¶12702975
IDC Error ellipse: s-maj=825.3km s-min=179.1km az=79.0.
IDC III 12 20 44 51.0–7.6 15.34S 172.97W 0 3.8,3.6
¶12703110
IDC Error ellipse: s-maj=354.9km s-min=23.7km az=141.0.
IDC III 16 17 30 42.9–7.2 15.34S 172.91W 0 4.1,3.8b
¶12703436
IDC Error ellipse: s-maj=341.3km s-min=25.0km az=140.0.
ISC III 22 00 08 19.3–.62 16.08S–.08 172.9W–.10 26 4.4b 20 2-147
AUST III 22 00 07 55.1–7.3 14.45S 170.58W 5–0 4.4b **¶12599196**
IDC III 22 00 08 15.7–.89 16.07S 172.99W 0 4.4,4.2
ISCJB III 22 00 08 17.8–.51 16.09S–.09 172.97W–.10 26 4.2b,4.0s
ISC Event type ke.
ISCJB Event type ke.
IDC III 24 11 35 27.7–1.9 14.71S 173.90W 0 4.2,3.9
¶12635461
IDC Error ellipse: s-maj=122.8km s-min=22.2km az=150.0.
ISC IV 03 06 32 34.0–.58 15.8S–.10 172.9W–.20 26 4.1b,3.9s 39 2-147
IDC IV 03 06 32 29.9–.69 15.86S 172.97W 0 4.3,4.1 **¶12746752**
ISCJB IV 03 06 32 32.2–.54 15.8S–.10 173.0W–.10 26 4.1b,3.9s
NEIC IV 03 06 32 38.6–1.6 15.93S 173.03W 63–14 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=15.4km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=11.7km az=42.8.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=10.5km az=132.0.
IDC IV 03 18 20 03.8–51 15.25S 171.34W 0 4.4,4.2
¶16152325
IDC Error ellipse: s-maj=1002.0km s-min=176.9km az=79.0.
IDC IV 04 07 43 12.7–48 15.39S 172.07W 0 5.2s,5.2
¶16152346
IDC Error ellipse: s-maj=928.6km s-min=195.8km az=79.0.
ISC IV 09 18 14 18.0–.38 16.48S–.08 172.99W–.08 32 4.4b,3.9s 118 3-174
IDC IV 09 18 14 13.6–.57 16.36S 173.18W 0 4.5,4.4 **¶15153626**
NEIC IV 09 18 14 15.4–.28 16.44S 173.10W 15 4.8b,4.4
ISCJB IV 09 18 14 16.0–.33 16.50S–.07 173.05W–.06 32 4.4b,3.8s
AUST IV 09 18 14 18.3–.02 16.16S 172.48W 75–0 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=15.1km az=129.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.4km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=8.0km az=150.9.
AUST Error ellipse: s-maj=1.6km s-min=1.2km az=238.0.
ISC IV 09 18 49 06.5–.33 15.89S–.06 172.48W–.07 24 4.6b,3.9s 159 2-174
IDC IV 09 18 49 02.7–.41 15.97S 172.52W 0 4.7,4.6 **¶12576740**
ISCJB IV 09 18 49 05.4–.27 15.87S–.06 172.67W–.07 24 4.6b,3.9s
NEIC IV 09 18 49 08.3–.22 15.84S 172.68W 35 4.6b,3.9s
BJI IV 09 18 49 08.4 15.58S 172.53W 36 5.0s,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=10.4km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.1km az=39.9.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.2km az=131.0.
ISC IV 10 12 46 08.3–.49 16.87S–.08 172.5W–.10 41 4.3b,4.2s 54 3-148
IDC IV 10 12 46 02.1–.61 17.00S 172.94W 0 4.4,4.3 **¶12759393**
NEIC IV 10 12 46 07.4–.34 17.06S 172.89W 35 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=16.4km az=128.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=7.8km az=141.0.
IDC IV 11 07 50 48.4–48 16.51S 171.18W 0 3.8,3.6
¶16152657
IDC Error ellipse: s-maj=948.7km s-min=193.2km az=80.0.
IDC IV 12 00 15 08.9–1.4 16.99S 172.15W 0 4.2,4.0
¶16152683
IDC Error ellipse: s-maj=50.7km s-min=23.6km az=126.0.
IDC IV 12 18 30 15.3–11 16.41S 172.01W 0 3.7,3.6
¶16152726
IDC Error ellipse: s-maj=306.7km s-min=31.8km az=117.0.
ISC IV 21 06 36 45.8–.58 16.06S–.08 172.4W–.10 24 4.2b 40 2-174
IDC IV 21 06 36 42.8–.69 15.98S 172.67W 0 4.3,4.1 **¶12935894**
NEIC IV 21 06 36 43.6–.31 16.34S 172.48W 10 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=15.5km az=137.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.5km az=161.0.
IDC IV 27 09 26 15.4–.75 16.22S 172.99W 0 4.2,4.1
¶12936305
IDC Error ellipse: s-maj=34.7km s-min=18.2km az=133.0.
ISC IV 29 02 20 07.0–.45 16.14S–.09 172.5W–.10 24 4.4b,4.0s 95 2-174

IDC IV 29 02 20 03.2–.54 16.33S 172.50W 0 4.5,4.4 ¶12866388
ISCJB IV 29 02 20 05.3–.39 16.3S–.10 172.57W–.09 24 4.3b,4.0s
NEIC IV 29 02 20 07.3–5.3 16.37S 172.48W 27–36 4.5b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=14.7km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=8.3km az=145.3.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.2km az=144.0.
IDC V 01 22 55 02.1–1.4 15.68S 172.85W 0 4.1,3.9
¶12866393
IDC Error ellipse: s-maj=86.8km s-min=18.5km az=144.0.
IDC V 04 12 18 49.3–2.7 16.48S 172.89W 0 4.0,3.7
¶13439319
IDC Error ellipse: s-maj=197.8km s-min=23.4km az=148.0.
IDC V 12 04 46 45.6–6.1 15.62S 172.94W 0 3.9,3.7
¶16155663
IDC Error ellipse: s-maj=303.7km s-min=23.3km az=135.0.
IDC V 16 02 59 20.9–2.6 15.06S 172.57W 0 4.0,3.7
¶16155792
IDC Error ellipse: s-maj=150.9km s-min=24.0km az=147.0.
IDC V 17 16 55 20.6–53 15.55S 171.34W 0 4.2,4.0
¶16155850
IDC Error ellipse: s-maj=1034.0km s-min=186.2km az=79.0.
IDC V 27 00 39 22.6–46 15.49S 172.12W 0 4.2,4.0
¶16156202
IDC Error ellipse: s-maj=901.3km s-min=202.1km az=79.0.
IDC V 31 13 36 13.5–50 15.51S 170.62W 0 4.2,4.0
¶16066116
IDC Error ellipse: s-maj=995.0km s-min=195.7km az=79.0.
IDC VI 04 13 20 53.1–1.5 15.41S 172.96W 0 3.9,3.8
¶16100943
IDC Error ellipse: s-maj=58.6km s-min=25.1km az=128.0.
IDC VI 04 23 51 00.6–45 15.79S 172.81W 0 4.1,4.0b
¶16100965
IDC Error ellipse: s-maj=875.7km s-min=187.4km az=79.0.
IDC VI 12 10 25 42.4–52 15.82S 172.69W 0 4.4,4.2
¶16101231
IDC Error ellipse: s-maj=1010.0km s-min=181.8km az=79.0.
IDC VI 13 17 55 10.0–48 16.31S 172.13W 0 4.2,4.0
¶16101287
IDC Error ellipse: s-maj=936.8km s-min=183.4km az=80.0.
IDC VI 19 07 03 09.9–2.3 16.96S 172.92W 0 4.1,4.1b
¶16101493
IDC Error ellipse: s-maj=65.1km s-min=23.9km az=117.0.
IDC VI 21 16 28 56.7–1.8 14.56S 174.10W 0 4.2,3.9
¶13598686
IDC Error ellipse: s-maj=109.1km s-min=22.3km az=151.0.
ISC VI 26 15 30 16.5–.35 15.36S–.06 172.09W–.05 46–2 5.2b,4.5s 726 1-174
IDC VI 26 15 30 10.2–.36 15.40S 172.10W 0 5.0,5.0 ¶13383568
DJA VI 26 15 30 13.3–.40 16S–7.0 172W–7.0 15 5.5,5.4
ISCJB VI 26 15 30 15.3–.20 15.24S–.05 171.97W–.05 45 5.1b,4.5s
SZGRF VI 26 15 30 15.7 15.79S 171.91W 33 5.1b,4.5s
NEIC VI 26 15 30 17.0–.19 15.20S 172.18W 48 5.3b,4.5s
BJI VI 26 15 30 16.1 15.45S 172.36W 47 5.4b,5.3s
GCMT VI 26 15 30 17.2–.20 15.36S 171.83W 17–0 5.2W,5.3s
MOS VI 26 15 30 21.4–1.2 14.51S 171.79W 68 5.5b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=10.9km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.8km az=138.3.
SZGRF Samoa Islands region.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.3km az=146.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s57,c86; s91,c144;
Moment tensor: Scale 10^{16}Nm; M_{rr}-7.54±.25 $M_{\theta\theta}$1.71±.18; $M_{\phi\phi}$5.83±.19; $M_{r\theta}$1.37±.47;
$M_{\theta\phi}$-4.16±.12; $M_{\phi r}$1.14±.43; Best double couple: NP1:ϕ_s315.00000°,δ46.00000°,λ-110.00000°.
NP2:ϕ_s162.00000°,δ48.00000°,λ-71.00000°. Principal axes: T 8.4200,Plg1.0000°
,Azm238.0000°; N -0.4300,Plg14.0000°,Azm329.0000°; P -7.9800,Plg76.0000°
,Azm145.0000° $M_0$8.20000×10^{16}
MOS Error ellipse: s-maj=14.4km s-min=8.4km az=71.1.
IDC VI 26 16 46 37.7–.91 15.39S 172.26W 0 4.1,3.8
¶16101754
IDC Error ellipse: s-maj=46.1km s-min=24.0km az=142.0.
IDC VI 29 06 52 19.1–1.8 15.69S 172.80W 0 4.0,4.0
¶16101852
IDC Error ellipse: s-maj=57.9km s-min=25.5km az=124.0.

(170) Samoa Islands.

IDC IV 19 11 25 08.9–52 15.00S 171.41W 0 4.1,3.9
¶16153048
IDC Error ellipse: s-maj=1017.0km s-min=195.0km az=78.0.
ISC IV 23 14 48 25.1–.52 14.98S–.10 172.2W–.10 18 4.4b,4.1s 68 1-174
IDC IV 23 14 48 22.2–.64 15.23S 172.10W 0 4.5,4.3 ¶12842942
ISCJB IV 23 14 48 23.6–.41 14.97S–.08 172.3W–.10 18 4.3b,4.2s
NEIC IV 23 14 48 28.3–.59 14.90S 172.32W 40 4.6b,4.2s
GCMT IV 23 14 48 29.8–.30 15.43S 171.72W 12–1 5.0W,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=16.3km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=7.8km az=30.0.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=11.8km az=138.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s27,c33; s67,c94;
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.67±.19 $M_{\theta\theta}$-0.19±.13; $M_{\phi\phi}$2.86±.14; $M_{r\theta}$0.20±.41;
$M_{\theta\phi}$-1.73±.09; $M_{\phi r}$-2.13±.40; Best double couple: NP1:ϕ_s138.00000°,δ31.00000°
,λ-118.00000°. NP2:ϕ_s350.00000°,δ63.00000°,λ-74.00000°. Principal axes:
T 4.2400,Plg17.0000°,Azm68.0000°; N -0.8000,Plg14.0000°,Azm162.0000°
; P -3.4400,Plg68.0000°,Azm290.0000° $M_0$3.80000×10^{16}
IDC IV 27 03 38 56.4–4.8 14.64S 172.45W 0 3.9,3.6
¶16154543
IDC Error ellipse: s-maj=238.7km s-min=16.5km az=141.0.
IDC V 13 05 48 58.3–.98 14.95S 172.85W 0 4.1,3.9
¶16155700
IDC Error ellipse: s-maj=51.5km s-min=17.0km az=136.0.
ISC V 31 16 40 38.2–.54 15.0S–.10 172.8W–.20 10 4.0b,3.8s 35 1-154
ISCJB V 31 16 40 36.4–.52 14.9S–.10 172.8W–.10 10 4.0b,3.7s ¶13232196
IDC V 31 16 40 37.0–.65 15.04S 172.91W 0 4.2,4.0
NEIC V 31 16 40 38.4–.36 15.02S 172.89W 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.0km s-min=6.2km az=42.4.
IDC Error ellipse: s-maj=36.2km s-min=15.8km az=132.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=8.9km az=127.0.

(171) South of Fiji Islands.

ISC I 01 06 39 13.7–1.0 22.2S–.10 179.6W–.10 592 4.1b 25 5-144
ISCJB I 01 06 39 12.7–.99 22.2S–.20 179.7W–.20 592 4.1b ¶12079743
NEIC I 01 06 39 14.1–1.3 22.04S 179.60W 602–12 4.5b
IDC I 01 06 39 15.9–3.0 22.12S 179.68W 623–37 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=16.6km az=146.5.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=14.9km az=144.0.
IDC Error ellipse: s-maj=22.3km s-min=18.2km az=2.0.
IDC I 01 13 59 28.3–7.3 25.87S 179.86E 450–80 3.2,3.1
¶12079759
IDC Error ellipse: s-maj=52.2km s-min=42.7km az=27.0.
ISC I 04 21 29 58.4–1.0 24.49S–.09 179.5W–.20 490 4.3b 22 13-148
IDC I 04 21 29 52.9–7.3 24.31S 179.31W 431–74 3.7,3.5b ¶12080291
ISCJB I 04 21 29 57.7–1.2 24.35S–.09 179.6W–.20 490 4.2b,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC I 05 01 28 53.8–.63 25.42S–.10 179.7E–.10 493 3.7b 24 13-168
ISCJB I 05 01 28 53.5–.66 25.40S–.09 179.6E–.10 493 3.7b ¶13404610
IDC I 05 01 28 54.1–2.4 25.33S 179.74E 496–24 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=11.5km az=177.5.
IDC Error ellipse: s-maj=21.6km s-min=18.4km az=166.0.

ISC I 05 09 11 12.8–.62 23.92S–.09 179.9W–.10 518 3.9b 29 15-169
IDC I 05 09 11 12.4–2.1 23.84S 179.93W 510–21 3.6,3.5 ¶12080354
ISCJB I 05 09 11 12.5–.63 23.84S–.08 180.0E–.10 518 3.9b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC I 07 03 43 59.1–.47 23.01S–.08 179.09E–.10 579 4.6b 128 5-163
ISCJB I 07 03 43 58.2–.45 22.97S–.06 179.04E–.09 579 4.5b ¶12080595
NEIC I 07 03 43 58.3–.80 23.01S 179.13E 572–8 4.7b
IDC I 07 03 43 58.5–1.9 23.03S 179.12E 569–19 3.9,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=7.7km az=9.3.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.7km az=106.0.
IDC Error ellipse: s-maj=17.3km s-min=14.2km az=77.0.
IDC I 07 11 57 50.0–44 23.79S 177.34W 0 3.9,3.7b
¶12080634
IDC Error ellipse: s-maj=815.6km s-min=160.7km az=87.0.
IDC I 08 06 03 26.5–3.0 23.72S 179.24W 0 4.3,3.9b
¶12080712
IDC Error ellipse: s-maj=279.2km s-min=35.4km az=164.0.
ISC I 09 18 14 22.3–.33 23.67S–.05 179.89W–.05 522–2 4.7b 645 6-169
BJI I 09 18 14 21.1 23.23S 179.68W 515 4.8b,4.5b ¶13404699
ISCJB I 09 18 14 21.3–.69 23.67S–.04 180.00E–.05 514–8 4.6b,4.5b
NEIC I 09 18 14 22.1–.18 23.60S 179.90W 521 4.8b,4.5b
IDC I 09 18 14 22.9–.62 23.52S 179.99W 526–6 4.3,4.2
MOS I 09 18 14 23.1–1.2 23.51S 179.89W 512 4.8b,4.2
BGS I 09 18 14 26.4–4.2 23.60S 179.90W 521 4.8b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.1km az=35.6.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.5km az=134.0.
IDC Error ellipse: s-maj=12.1km s-min=9.3km az=159.0.
MOS Error ellipse: s-maj=11.8km s-min=9.3km az=67.4.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC I 10 06 28 40.3–7.6 23.90S 179.92W 567–87 3.6,3.3b
¶12080917
IDC Error ellipse: s-maj=119.5km s-min=41.5km az=169.0.
IDC I 10 09 30 11.4–1.9 23.69S 179.83E 0 4.3,4.0b
¶12080931
IDC Error ellipse: s-maj=144.1km s-min=23.5km az=158.0.
ISC I 11 10 01 46.4–1.2 23.9S–.10 179.9W–.20 518 4.4b 23 13-169
IDC I 11 10 01 45.2–3.2 24.00S 179.89W 491–32 3.7,3.5b ¶12081021
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=23.0km az=21.0.
IDC I 12 15 49 31.3–4.6 22.12S 176.29W 75–35 4.0,3.8
¶12081118
IDC Error ellipse: s-maj=57.0km s-min=19.0km az=145.0.
IDC I 12 19 01 12.4–6.7 23.05S 179.83E 575–83 3.4,3.2
¶12081130
IDC Error ellipse: s-maj=114.5km s-min=30.1km az=162.0.
ISC I 12 20 26 58.2–.44 25.47S–.08 179.92E–.09 493 4.5b 120 4-168
ISCJB I 12 20 26 58.1–.29 25.44S–.06 179.74E–.07 493 4.4b ¶13404824
IDC I 12 20 26 58.7–1.6 25.39S 179.86E 494–16 4.1,4.0
NEIC I 12 20 26 59.9–.61 25.46S 179.80E 510–7 4.7b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=38.8.
IDC Error ellipse: s-maj=15.4km s-min=13.0km az=145.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.1km az=137.0.
ISC I 12 21 30 30.1–.43 25.47S–.09 179.85E–.09 493 4.2b 123 4-168
ISCJB I 12 21 30 29.9–.39 25.46S–.08 179.72E–.08 493 4.3b ¶13404825
IDC I 12 21 30 31.6–1.6 25.45S 179.77E 504–16 4.0,4.0
NEIC I 12 21 30 32.2–.73 25.44S 179.78E 516–8 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.7km az=152.3.
IDC Error ellipse: s-maj=15.0km s-min=12.2km az=154.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=10.0km az=162.0.
IDC I 12 22 16 18.8–20 24.22S 179.05W 462–196 3.8b,3.8
¶12081145
IDC Error ellipse: s-maj=124.3km s-min=39.5km az=78.0.
IDC I 14 18 03 26.4–9.1 22.20S 178.27W 483–86 3.3,3.2
¶12081282
IDC Error ellipse: s-maj=80.5km s-min=40.8km az=129.0.
ISC I 14 23 45 09.1–.52 24.4S–.10 179.8W–.10 505 4.2b 56 7-169
ISCJB I 14 23 45 08.7–.57 24.42S–.10 180.0W–.10 505 4.0b ¶12081300
IDC I 14 23 45 09.5–1.8 24.37S 179.96E 504–16 3.8,3.6
NEIC I 14 23 45 10.8–1.2 24.45S 179.96E 525–12 4.5b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=8.6km az=136.6.
IDC Error ellipse: s-maj=33.7km s-min=17.2km az=150.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=14.0km az=121.0.
IDC I 16 01 21 19.3–28 24.69S 179.58E 524–264 3.4,3.2b
¶12081399
IDC Error ellipse: s-maj=188.0km s-min=57.5km az=67.0.
IDC I 16 07 13 08.1–30 24.95S 179.35W 463–105 3.4,3.3b
¶12081417
IDC Error ellipse: s-maj=392.0km s-min=96.5km az=83.0.
IDC I 16 16 53 18.2–2.8 19.83S 179.62E 0 4.3,3.9b
¶12081452
IDC Error ellipse: s-maj=291.5km s-min=33.8km az=161.0.
IDC I 17 18 52 30.9–7.6 23.37S 179.98W 632–143 3.7,3.6b
¶12081560
IDC Error ellipse: s-maj=122.8km s-min=33.4km az=68.0.
IDC I 17 20 39 42.1–24 22.73S 177.85W 262–202 3.8,3.7b
¶12081570
IDC Error ellipse: s-maj=125.5km s-min=43.3km az=100.0.
IDC I 18 00 30 54.0–3.3 22.39S 179.75W 600–36 3.0,2.9
¶12081587
IDC Error ellipse: s-maj=44.8km s-min=16.9km az=165.0.
ISC I 19 03 31 03.1–.42 24.02S–.07 179.85W–.06 517–4 4.7b 512 5-169
ISCJB I 19 03 31 01.9–.62 24.07S–.06 179.96W–.05 506–7 4.7b ¶11613312
NEIC I 19 03 31 03.3–.44 23.99S 179.98W 514–4 4.8b
IDC I 19 03 31 03.2–2.1 23.95S 179.89W 518–22 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.4km az=169.4.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.1km az=157.0.
IDC Error ellipse: s-maj=14.6km s-min=12.4km az=66.0.
IDC I 19 04 52 50.3–1.6 24.05S 179.91W 502–16 3.6,3.5
¶12081711
IDC Error ellipse: s-maj=16.6km s-min=14.6km az=138.0.
IDC I 19 11 30 40.6–6.2 23.72S 179.50E 601–73 3.2,3.0
¶12081748
IDC Error ellipse: s-maj=83.5km s-min=29.2km az=154.0.
IDC I 19 14 07 23.8–16 23.70S 179.99E 481–188 3.6,3.4b
¶12081761
IDC Error ellipse: s-maj=83.3km s-min=60.8km az=165.0.
IDC I 19 17 25 03.0–6.4 24.57S 177.36W 101–48 4.0,3.8
¶12081783
IDC Error ellipse: s-maj=81.5km s-min=19.5km az=153.0.
IDC I 19 19 13 16.8–59 22.95S 178.78W 0 3.8,3.6b
¶12081790
IDC Error ellipse: s-maj=1065.0km s-min=154.4km az=86.0.
IDC I 20 12 04 43.9–7.5 23.91S 178.88E 575–81 3.3,3.1b
¶12081864
IDC Error ellipse: s-maj=48.3km s-min=42.6km az=141.0.
IDC I 21 22 51 57.7–19 23.32S 178.58W 565–224 3.2,3.1
¶12082011
IDC Error ellipse: s-maj=90.8km s-min=37.9km az=111.0.
ISC I 22 07 21 38.4–.51 22.10S–.10 179.42W–.09 592 4.2b 95 5-171
ISCJB I 22 07 21 37.4–.44 22.16S–.06 179.46W–.10 592 4.1b ¶12082038
NEIC I 22 07 21 40.4–.95 22.05S 179.53W 614–10 4.6b
IDC I 22 07 21 41.7–2.2 22.04S 179.60W 625–25 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.9km az=11.4.

NEIC Event type se. Error ellipse: s-maj=14.7km s-min=11.4km az=99.0.
IDC Error ellipse: s-maj=17.3km s-min=15.5km az=149.0.
IDC I 23 05 30 02.8–6.9 25.20S 179.95E 0 4.1,3.8b ¶12082103

IDC Error ellipse: s-maj=282.0km s-min=41.4km az=150.0.
IDC I 24 01 54 10.3–7.3 26.41S 176.66W 0 3.9,3.7 ¶12082177

IDC Error ellipse: s-maj=278.4km s-min=118.7km az=159.0.
IDC I 24 09 38 15.9–4.7 23.14S 179.72E 528–38 3.6,3.4b ¶12082209

IDC Error ellipse: s-maj=177.5km s-min=28.1km az=164.0.
IDC I 24 20 23 40.4–32 22.70S 177.77W 381–273 3.5,3.3b ¶12082247

IDC Error ellipse: s-maj=221.9km s-min=91.0km az=121.0.
IDC I 24 21 59 18.1–3.1 26.40S 176.40W 0 4.3,4.1b ¶11671809

IDC Error ellipse: s-maj=118.2km s-min=42.1km az=24.0.
IDC I 25 02 59 18.7–8.4 22.87S 178.13W 0 3.4,3.3 ¶12082276

IDC Error ellipse: s-maj=350.9km s-min=60.7km az=148.0.
IDC I 25 23 52 48.3–5.5 26.74S 178.67W 0 3.9,3.6b ¶12082331

IDC Error ellipse: s-maj=243.4km s-min=61.0km az=155.0.
IDC I 27 07 32 04.3–61 22.63S 179.76E 0 4.0,3.8b ¶12082454

IDC Error ellipse: s-maj=1097.0km s-min=150.3km az=85.0.
IDC I 28 04 29 43.1–14 24.72S 179.34E 596–172 3.3,3.0b ¶12082540

IDC Error ellipse: s-maj=206.6km s-min=64.8km az=160.0.
IDC I 28 15 02 33.4–3.0 24.16S 179.30E 503–33 3.4,3.3b ¶12082582

IDC Error ellipse: s-maj=24.7km s-min=20.2km az=109.0.
IDC I 29 08 17 29.4–1.8 22.48S 179.56W 0 4.5,4.2b ¶12082651

IDC Error ellipse: s-maj=147.4km s-min=24.2km az=157.0.

ISC	**I**	**29 14 31 49.1–.49**	**26.40S–.05**	**178.62W–.08**	**340–3**	**4.6b**	**214**	**9-167**	
ISCJB	I	29 14 31 45.3–.84	26.30S–.04	178.68W–.09	311–8	4.6b			¶13434075
BJI	I	29 14 31 46.0	26.30S	178.00W	339	4.8b,4.4b			
NEIC	I	29 14 31 48.5–.35	26.29S	178.66W	334	4.7b,4.4b			
IDC	I	29 14 31 49.3–.91	26.16S	178.65W	334–8	4.3,4.2b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=6.2km az=176.9.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.7km az=96.0.
IDC Error ellipse: s-maj=12.4km s-min=12.2km az=46.0.
IDC I 30 05 54 33.0–8.9 24.20S 177.85W 125–72 3.9,3.7 ¶12082720

IDC Error ellipse: s-maj=120.7km s-min=21.3km az=147.0.

ISC	**I**	**31 02 07 25.2–1.3**	**26.22S–.09**	**178.6W–.10**	**346–12**	**4.3b**	**64**	**3-167**	
ISCJB	I	31 02 07 23.7–1.2	26.15S–.08	178.6W–.10	338–11	4.2b			¶12082780
NEIC	I	31 02 07 24.6–1.1	26.16S	178.53W	344–10	4.5b			
IDC	I	31 02 07 28.4–4.0	26.21S	178.79W	368–36	3.9,3.8b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=12.2km az=171.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=11.4km az=223.0.
IDC Error ellipse: s-maj=24.1km s-min=14.1km az=89.0.
IDC II 02 01 43 56.9–4.7 22.81S 178.60W 0 4.3,4.1 ¶15954877

IDC Error ellipse: s-maj=168.1km s-min=61.4km az=143.0.
IDC II 02 02 00 19.9–3.3 25.04S 179.70W 460–37 3.5,3.4 ¶15954879

IDC Error ellipse: s-maj=28.1km s-min=20.5km az=120.0.

ISC	**II**	**02 03 29 01.2–.64**	**26.94S–.10**	**176.5W–.10**	**35**	**4.4b**	**46**	**3-166**	
IDC	II	02 03 28 56.4–.70	27.17S	176.49W	0	4.6,4.5			¶13434178
NEIC	II	02 03 29 01.7–.42	27.22S	176.53W	35	4.8b,4.5			

ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=20.7km az=118.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.7km az=131.0.
IDC II 02 11 09 45.4–5.5 23.39S 179.11W 0 4.3,4.1 ¶15954891

IDC Error ellipse: s-maj=233.1km s-min=60.2km az=150.0.
IDC II 03 09 16 08.1–20 22.72S 176.96E 632–250 3.0,2.9 ¶15954952

IDC Error ellipse: s-maj=122.8km s-min=32.0km az=73.0.

ISC	**II**	**03 13 40 56.1–1.3**	**24.0S–.20**	**179.8W–.20**	**518**	**3.9b**	**18**	**13-169**	
IDC	II	03 13 40 52.0–3.3	23.79S	179.68W	470–42	3.7,3.6			¶15954960
ISCJB	II	03 13 40 54.4–.92	23.9S–.10	179.7W–.10	518	4.0b,3.6			

ISC Event type ke.
ISCJB Event type ke.

ISC	**II**	**03 15 06 00.4–.38**	**24.57S–.05**	**179.65W–.06**	**504–3**	**4.8b**	**336**	**5-169**	
DJA	II	03 15 05 35	25.09S	178.60W	309	5.4b			¶11662499
NEIC	II	03 15 05 59.5–.30	24.46S	179.66W	497	5.2b			
ISCJB	II	03 15 05 59.4–.63	24.56S–.03	179.77W–.06	497–7	4.7b			
IDC	II	03 15 06 00.0–1.1	24.46S	179.81W	496–10	4.3,4.3			
BJI	II	03 15 06 00.0	24.50S	179.70W	501	5.1b,4.6b			
MOS	II	03 15 06 02.5–3.4	24.49S	179.80E	495	5.0b,4.6b			

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=8.1km az=97.0. Felt at Suva.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.2km az=1.7.
IDC Error ellipse: s-maj=11.1km s-min=9.2km az=169.0.
MOS Error ellipse: s-maj=14.0km s-min=10.9km az=133.7.

ISC	**II**	**04 03 14 26.3–.44**	**23.90S–.07**	**179.91E–.07**	**536–3**	**4.5b**	**474**	**6-169**	
BJI	II	04 03 14 24.5	23.90S	179.80E	543	4.9b,4.3b			¶11730066
MOS	II	04 03 14 25.9–2.9	23.59S	179.78E	510	4.7b,4.3b			
IDC	II	04 03 14 25.0–1.4	23.86S	179.87E	519–13	4.1,4.1			
ISCJB	II	04 03 14 25.4–.79	23.88S–.07	179.73E–.04	529–9	4.5b,4.1			
NEIC	II	04 03 14 26.8–.51	23.92S	179.78E	540–6	4.6b,4.1			

ISC Event type se.
MOS Error ellipse: s-maj=11.5km s-min=10.3km az=137.1.
IDC Error ellipse: s-maj=14.0km s-min=11.4km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.7km az=168.3.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.0km az=162.0.

ISC	**II**	**04 17 23 06.4–.60**	**23.5S–.20**	**179.96W–.10**	**532**	**4.3b**	**38**	**12-170**	
ISCJB	II	04 17 23 06.0–.61	23.5S–.20	180.0E–.10	532	4.2b			¶13434253
IDC	II	04 17 23 05.6–1.7	23.49S	179.94W	520–17	3.9,3.6			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.5km s-min=10.6km az=156.1.
IDC Error ellipse: s-maj=22.1km s-min=13.7km az=157.0.
IDC II 04 19 37 50.2–1.1 25.92S 177.56W 161–8 3.8,3.6 ¶13434258

IDC Error ellipse: s-maj=36.8km s-min=18.5km az=160.0.

ISC	**II**	**07 03 33 55.8–.35**	**25.03S–.08**	**176.43W–.07**	**35–5**	**5.0b,4.1s**	**417**	**4-168**	
IDC	II	07 03 33 49.8–.55	25.17S	176.55W	0	4.7,4.7			¶11667386
ISCJB	II	07 03 33 55.1–.23	25.19S–.08	176.64W–.05	40	4.9b,4.2s			
BJI	II	07 03 33 55.5	24.57S	176.23W	37	5.4b,5.3s			
NEIC	II	07 03 34 00.7–.83	25.25S	176.65W	80–7	4.9b,5.3s			

ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=16.5km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=5.7km az=157.4.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.0km az=153.0.

ISC	**II**	**08 07 24 30.3–.50**	**24.76S–.06**	**176.81W–.06**	**16–2**	**4.9b,4.5s**	**455**	**5-168**	
IDC	II	08 07 24 27.0–.56	24.73S	176.94W	0	4.7,4.6			¶11667428
ISCJB	II	08 07 24 28.0–3.9	24.69S–.07	177.03W–.06	7–24	4.9b,4.6s			
BJI	II	08 07 24 29.8	24.70S	176.80W	10	5.4b,5.3s			
NEIC	II	08 07 24 31.6–2.0	24.72S	177.03W	25–14	5.0b,5.3s			
MOS	II	08 07 24 32.0–1.6	24.59S	176.98W	33	5.2b,5.3s			
DJA	II	08 07 24 58	24.33S	176.36W	302	4.9b,5.3s			

ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=15.4km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=8.6km az=167.6.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.2km az=152.0.
MOS Error ellipse: s-maj=11.4km s-min=9.0km az=59.2.

IDC II 09 07 07 27.0–34 23.69S 179.90E 576–421 3.4,3.2 ¶15955291

IDC Error ellipse: s-maj=129.9km s-min=35.3km az=82.0.
IDC II 09 08 33 43.2–17 23.42S 179.71E 650–203 3.3,3.2 ¶15955293

IDC Error ellipse: s-maj=154.2km s-min=57.4km az=48.0.
IDC II 10 09 15 49.7–1.7 23.59S 179.86W 554–15 3.5,3.5 ¶13434435

IDC Error ellipse: s-maj=31.6km s-min=11.3km az=156.0.

ISC	**II**	**10 17 35 29.6–1.1**	**25.8S–.10**	**179.6E–.10**	**507**	**3.7b**	**24**	**13-148**	
ISCJB	II	10 17 35 29.1–1.1	25.8S–.10	179.6E–.10	507	3.6b			¶12699922
IDC	II	10 17 35 30.8–2.2	25.51S	179.58E	521–24	3.3,3.2			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=10.0km az=146.5.
IDC Error ellipse: s-maj=28.0km s-min=15.5km az=2.0.

ISC	**II**	**10 19 27 21.1–.47**	**25.25S–.07**	**179.72E–.06**	**501–3**	**4.3b**	**123**	**5-168**	
BJI	II	10 19 27 19.6	25.10S	179.90E	498	4.8b,4.5b			¶11670441
ISCJB	II	10 19 27 20.6–.68	25.29S–.06	179.69E–.07	505–7	4.3b,4.5b			
NEIC	II	10 19 27 20.0–.35	25.20S	179.83E	494	4.5b,4.5b			
IDC	II	10 19 27 22.0–1.4	25.24S	179.70E	508–13	3.9,3.8			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=8.9km az=169.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.7km az=68.0.
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=165.0.
IDC II 10 21 42 19.9–10 22.40S 177.99E 676–82 3.1,2.9 ¶15955375

IDC Error ellipse: s-maj=213.2km s-min=77.3km az=148.0.
IDC II 11 06 12 36.9–4.2 22.51S 179.12E 615–46 3.2,3.1 ¶15955407

IDC Error ellipse: s-maj=53.1km s-min=28.2km az=149.0.
IDC II 11 12 18 27.7–5.8 24.22S 179.83E 521–59 3.5,3.4 ¶15955419

IDC Error ellipse: s-maj=42.1km s-min=21.1km az=66.0.
IDC II 14 03 36 16.1–2.0 24.80S 178.65E 575–22 3.5,3.4 ¶13434609

IDC Error ellipse: s-maj=16.8km s-min=13.9km az=170.0.
IDC II 14 09 54 46.1–4.9 24.64S 179.70E 539–53 3.5,3.4 ¶15956042

IDC Error ellipse: s-maj=32.7km s-min=23.9km az=44.0.
IDC II 15 01 19 49.6–6.3 23.99S 178.82W 0 4.9,4.7 ¶15956110

IDC Error ellipse: s-maj=170.0km s-min=99.6km az=144.0.
IDC II 15 08 43 49.8–3.1 22.08S 179.54W 575–33 3.6,3.5 ¶15956146

IDC Error ellipse: s-maj=23.8km s-min=20.1km az=21.0.
IDC II 16 05 12 06.4–3.4 25.19S 178.52W 0 4.1,4.0 ¶13434673

IDC Error ellipse: s-maj=144.6km s-min=33.7km az=148.0.
IDC II 16 14 36 17.2–5.9 23.74S 176.32W 41–9 3.9,3.7 ¶15956274

IDC Error ellipse: s-maj=191.8km s-min=67.7km az=144.0.
IDC II 18 22 33 28.6–1.2 22.93S 178.75W 0 4.2,4.0 ¶15956595

IDC Error ellipse: s-maj=63.4km s-min=32.2km az=156.0.
IDC II 20 20 00 37.2–4.0 22.15S 177.79W 0 4.1,3.9 ¶15956835

IDC Error ellipse: s-maj=139.5km s-min=57.5km az=147.0.
IDC II 21 04 16 05.8–6.5 22.13S 178.67W 405–90 3.4,3.4 ¶15956857

IDC Error ellipse: s-maj=172.6km s-min=22.5km az=171.0.

ISC	**II**	**22 04 36 24.3–.77**	**24.4S–.20**	**179.9W–.10**	**505**	**4.0b**	**20**	**13-169**	
ISCJB	II	22 04 36 23.7–.74	24.4S–.20	180.0E–.10	505	4.0b			¶15956916
IDC	II	22 04 36 23.5–2.9	24.36S	179.97E	493–31	3.7,3.5			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.1km s-min=14.1km az=164.2.
IDC Error ellipse: s-maj=20.6km s-min=18.3km az=167.0.
IDC II 22 05 23 44.5–5.7 24.87S 179.60E 554–60 3.2,3.1 ¶15956920

IDC Error ellipse: s-maj=96.6km s-min=29.0km az=156.0.
IDC II 22 18 44 05.0–2.9 25.06S 176.69W 0 3.9,3.8 ¶15956962

IDC Error ellipse: s-maj=77.7km s-min=34.6km az=31.0.
IDC II 23 19 30 22.0–1.8 23.97S 176.80W 0 4.1,4.0 ¶15957079

IDC Error ellipse: s-maj=64.7km s-min=38.1km az=173.0.
IDC II 23 20 50 12.2–7.2 25.28S 178.02W 0 4.2,4.0 ¶15957085

IDC Error ellipse: s-maj=220.5km s-min=94.4km az=147.0.

ISC	**II**	**24 18 28 16.5–.41**	**26.99S–.07**	**176.34W–.09**	**35**	**4.6b,4.4s**	**90**	**3-166**	
IDC	II	24 18 28 11.1–.49	27.16S	176.23W	0	4.8,4.7			¶13435068
NEIC	II	24 18 28 12.8–.29	27.00S	176.40W	10	4.8b,4.7			
ISCJB	II	24 18 28 15.5–.40	27.04S–.07	176.41W–.09	35	4.8b,4.4s			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 24 18 51 18.9–38 23.91S 179.84W 500–365 3.0,2.9 ¶15957176

IDC Error ellipse: s-maj=234.4km s-min=93.0km az=82.0.
IDC II 25 14 59 03.5–61 19.27S 179.40E 0 3.8,3.6 ¶15957250

IDC Error ellipse: s-maj=1090.0km s-min=160.7km az=80.0.
IDC II 26 00 46 47.4–3.0 23.44S 179.99W 611–32 3.3,3.2 ¶15957327

IDC Error ellipse: s-maj=31.9km s-min=15.1km az=19.0.

ISC	**II**	**26 14 45 29.7–8.8**	**25.7S–.70**	**179.1E–.90**	**450**	**3.3b**	**10**	**12-41**	
IDC	II	26 14 43 56.2–39	22.51S	174.66W	0	3.9,3.7			¶15957362

ISC Event type ke.
IDC Error ellipse: s-maj=731.4km s-min=155.7km az=87.0.
IDC II 27 02 28 58.9–11 23.01S 179.78W 547–74 3.5,3.3 ¶15957431

IDC Error ellipse: s-maj=176.4km s-min=25.7km az=39.0.
IDC II 27 03 48 28.8–21 24.19S 179.96W 514–213 3.5,3.3 ¶15957432

IDC Error ellipse: s-maj=153.1km s-min=41.3km az=49.0.

ISC	**II**	**28 06 06 17.2–.67**	**26.52S–.10**	**176.1W–.10**	**32**	**4.0b**	**35**	**13-167**	
IDC	II	28 06 06 13.6–.81	26.92S	176.33W	0	4.2,4.0			¶12702080
ISCJB	II	28 06 06 14.2–.76	26.47S–.09	176.1W–.10	32	4.2b,3.5s			
NEIC	II	28 06 06 17.3–.64	26.70S	176.04W	35	4.7b,3.5s			

ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=23.2km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=8.9km az=44.6.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=13.5km az=152.0.
IDC III 01 23 35 56.8–5.5 22.62S 179.58W 618–62 3.5,3.3b ¶12702221

IDC Error ellipse: s-maj=89.9km s-min=36.8km az=154.0.
IDC III 02 10 38 53.2–54 23.51S 177.09W 0 3.6,3.5 ¶12702256

IDC Error ellipse: s-maj=990.5km s-min=173.3km az=87.0.

ISC	**III**	**02 13 24 05.7–.39**	**23.96S–.07**	**179.93W–.06**	**518**	**4.5b**	**113**	**6-169**	
IDC	III	02 13 24 04.0–1.5	23.81S	179.96W	498–14	4.0,3.7b			¶15153009
ISCJB	III	02 13 24 05.2–.33	24.01S–.06	179.98E–.06	518	4.4b,3.7b			
NEIC	III	02 13 24 05.7–1.1	23.95S	179.98E	513–13	4.8b,3.7b			
AUST	III	02 13 24 06.3–.02	23.83S	179.65W	554–0	4.8b,3.7b			

ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=13.4km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.6km az=139.7.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=9.9km az=140.0.
AUST Error ellipse: s-maj=1.6km s-min=1.2km az=288.0.
IDC III 05 04 36 09.0–9.3 20.44S 179.91E 0 4.0,3.7b ¶12702472

IDC Error ellipse: s-maj=414.2km s-min=37.4km az=146.0.

IDC III 05 06 58 23.8–8.6 23.99S 179.73E 538–94 3.3,3.1b
¶12702477

IDC Error ellipse: s-maj=45.6km s-min=28.7km az=53.0.
ISC III 05 08 07 51.1–.41 24.80S–.06 179.86E–.05 499–3 4.6b 401 7-168
IDC III 05 08 07 50.9–1.1 24.65S 179.82E 496–11 4.2,4.1 **¶15153050**
BJI III 05 08 07 50.0 24.63S 179.78E 491 5.0b,4.5b
ISCJB III 05 08 07 50.7–.82 24.76S–.05 179.76E–.04 502–9 4.6b,4.5b
NEIC III 05 08 07 50.9–.22 24.74S 179.83E 497 4.6b,4.5b
AUST III 05 08 07 51.9–1.6 24.58S 179.81W 539–0 4.6b,4.5b
DJA III 05 08 08 15.4–7.4 25S–24 178E–64 690–52 5.4b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 05 20 06 10.3–8.3 23.17S 179.87W 0 3.8,3.5b
¶12702516

IDC Error ellipse: s-maj=430.8km s-min=65.2km az=154.0.
IDC III 06 20 11 10.6–56 19.74S 179.09E 0 3.9,3.7b
¶12702585

IDC Error ellipse: s-maj=996.7km s-min=147.1km az=81.0.
IDC III 07 02 11 34.7–15 24.53S 179.72E 578–151 3.4,3.3b
¶12702604

IDC Error ellipse: s-maj=109.7km s-min=23.9km az=57.0.
IDC III 08 00 09 24.0–5.3 23.63S 176.46W 48–39 4.3,4.1b
¶12702674

IDC Error ellipse: s-maj=72.3km s-min=18.7km az=149.0.
ISC III 08 05 47 49.5–.55 24.2S–.10 179.94E–.10 526 3.9b 61 13-169
ISCJB III 08 05 47 48.8–.56 24.1S–.10 179.87E–.10 526 3.9b **¶12702687**
IDC III 08 05 47 49.2–1.8 24.18S 179.92E 522–18 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=10.8km az=165.3.
IDC Error ellipse: s-maj=17.1km s-min=11.5km az=159.0.
IDC III 08 09 56 50.7–60 23.71S 177.87E 0 3.9,3.7b
¶12702709

IDC Error ellipse: s-maj=1051.0km s-min=151.4km az=86.0.
IDC III 08 18 19 33.9–4.0 25.90S 179.75E 523–42 3.5,3.4b
¶12702745

IDC Error ellipse: s-maj=24.4km s-min=17.1km az=82.0.
IDC III 08 21 20 01.2–5.7 24.50S 178.04W 0 4.4,4.2b
¶12702755

IDC Error ellipse: s-maj=165.1km s-min=90.8km az=147.0.
IDC III 09 16 39 10.5–16 21.72S 179.52E 307–159 3.6,3.5b
¶12702807

IDC Error ellipse: s-maj=63.1km s-min=33.6km az=111.0.
ISC III 10 04 04 24.5–.29 24.60S–.06 176.38W–.07 43 5.2b,5.2s 614 9-177
IDC III 10 04 04 18.3–.43 24.42S 176.31W 0 5.0s,5.0 **¶11789686**
BJI III 10 04 04 21.8 24.50S 176.40W 35 5.6b,5.3s
ISCJB III 10 04 04 22.9–.17 24.63S–.05 176.40W–.04 43 5.1b,5.1s
MOS III 10 04 04 22.4–1.2 24.47S 176.45W 33 5.4b,5.2s
SZGRF III 10 04 04 22.3 24.58S 176.27W 33 5.4b,5.2s
NEIC III 10 04 04 23.3–.17 24.62S 176.36W 35 5.3b,5.2s
GCMT III 10 04 04 25.8–.10 24.56S 175.67W 31–0 5.5W,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=14.8km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.5km az=161.4.
MOS Error ellipse: s-maj=12.0km s-min=10.8km az=141.5.
SZGRF South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.6km az=148.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 110 sta. Moment Tensor Solution. s98,c174; s99,c196; Moment tensor: Scale 10^{17}Nm; M_{rr}1.99±.04 $M_{\theta\theta}$0.18±.03; $M_{\phi\phi}$-2.16±.03; $M_{r\theta}$0.19±.05; $M_{\theta\phi}$-0.22±.02; $M_{\phi r}$1.34±.04; Best double couple: NP1: ϕ_s184.00000°,δ29.00000°,λ87.00000°. NP2:ϕ_s7.00000°,δ61.00000°,λ92.00000°. Principal axes: T 2.3900,Plg73.0000°,Azm281.0000°; N 0.1900,Plg1.0000°,Azm186.0000° ; P -2.5800,Plg16.0000°,Azm96.0000° $M_0$2.50000×10^{17}
ISC III 10 04 16 27.9–.54 24.9S–.10 179.82E–.09 501 4.3b 43 13-168
AUST III 10 04 16 24.1 24.53S 178.45W 600 4.3b **¶15153147**
ISCJB III 10 04 16 27.2–.50 25.0S–.10 179.79E–.08 501 4.2b
IDC III 10 04 16 29.2–1.4 24.91S 179.80E 512–13 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=9.6km az=166.4.
IDC Error ellipse: s-maj=16.8km s-min=10.2km az=174.0.
IDC III 10 06 21 08.7–2.1 22.80S 176.65W 0 4.3,4.1b
¶12702851

IDC Error ellipse: s-maj=56.3km s-min=36.7km az=28.0.
ISC III 10 12 56 48.6–.69 23.8S–.20 179.8W–.10 518 4.0b 33 10-92
IDC III 10 12 56 44.6–2.0 23.78S 179.70W 472–21 3.7,3.5b **¶15153149**
ISCJB III 10 12 56 47.7–.51 23.9S–.10 179.85W–.08 518 4.0b,3.5b
AUST III 10 12 56 48.1–1.8 23.90S 179.86E 462–0 4.0b,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=15.8km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=8.2km az=159.2.
AUST Error ellipse: s-maj=2.3km s-min=1.5km az=334.0.
ISC III 12 12 28 05.1–.85 25.2S–.20 178.4E–.10 579 3.9b 32 11-147
ISCJB III 12 12 28 03.7–.70 25.2S–.10 178.4E–.10 579 4.0b **¶13436089**
AUST III 12 12 28 04.2 25.22S 178.85E 600 4.0b
IDC III 12 12 28 07.3–2.2 25.25S 178.29E 607–24 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=10.4km az=139.1.
IDC Error ellipse: s-maj=17.3km s-min=15.6km az=140.0.
IDC III 12 20 18 55.7–5.2 24.98S 177.60W 0 3.6,3.4b
¶12703107

IDC Error ellipse: s-maj=269.8km s-min=50.0km az=154.0.
ISC III 12 23 37 23.5–.47 26.81S–.08 176.33W–.09 35 4.5b 73 3-166
IDC III 12 23 37 18.2–.52 26.83S 176.34W 0 4.7s,4.7 **¶12703118**
ISCJB III 12 23 37 22.4–.46 26.83S–.07 176.44W–.10 35 4.7s,4.5b
NEIC III 12 23 37 24.0–1.5 26.86S 176.41W 40–12 4.8b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=18.5km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=9.6km az=13.2.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.3km az=84.0.
ISC III 13 03 32 31.4–.38 26.84S–.06 176.25W–.08 31 4.8b,4.6s 173 3-166
IDC III 13 03 32 26.2–.49 26.82S 176.36W 0 4.6,4.6 **¶13436137**
MOS III 13 03 32 30.7–1.2 26.81S 176.50W 33 5.0b,4.6
ISCJB III 13 03 32 30.2–.29 26.87S–.06 176.44W–.07 31 4.8b,4.6s
GCMT III 13 03 32 31.0–.30 26.82S 175.93W 28–1 5.2W,4.6s
BJI III 13 03 32 31.9 26.82S 176.07W 50 5.7b,5.3s
NEIC III 13 03 32 33.6–1.2 26.90S 176.44W 51–10 4.9b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=16.0km az=163.0.
MOS Error ellipse: s-maj=12.6km s-min=11.4km az=103.3.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=8.0km az=139.2.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s42,c51; s70,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}5.17±.30 $M_{\theta\theta}$-0.90±.22; $M_{\phi\phi}$-4.27±.22; $M_{r\theta}$3.17±.37; $M_{\theta\phi}$-2.44±.13; $M_{\phi r}$2.30±.31; Best double couple: NP1:ϕ_s193.00000°,δ30.00000°,λ63.00000°. NP2:ϕ_s43.00000°,δ63.00000°,λ105.00000°. Principal axes: T 6.6600,Plg68.0000° ,Azm342.0000°; N -0.0300,Plg13.0000°,Azm216.0000°; P -6.6300,Plg17.0000° ,Azm122.0000° $M_0$6.70000×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.4km az=145.0.
IDC III 13 12 13 49.7–5.6 23.59S 178.99W 0 3.9,3.7
¶12703166

IDC Error ellipse: s-maj=210.0km s-min=26.1km az=143.0.
ISC III 13 17 33 50.7–.54 26.77S–.08 176.3W–.10 35 4.7b,4.1s 68 3-166
IDC III 13 17 33 45.5–.64 26.75S 176.40W 0 4.5,4.4 **¶12085982**
ISCJB III 13 17 33 49.5–.50 26.73S–.06 176.4W–.10 35 4.7b,4.1s
NEIC III 13 17 33 49.5–6.4 26.75S 176.36W 26–43 4.9b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=19.5km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=8.7km az=18.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=13.6km az=223.0.
ISC III 14 01 18 37.1–.51 26.74S–.09 176.3W–.10 29 4.6b,3.9s 58 3-166
IDC III 14 01 18 32.6–.61 26.70S 176.38W 0 4.5,4.3 **¶13436228**
ISCJB III 14 01 18 35.7–.51 26.72S–.07 176.4W–.10 29 4.5b,3.9s
NEIC III 14 01 18 39.3–2.2 26.83S 176.34W 47–18 4.8b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=20.0km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=8.8km az=25.2.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=11.1km az=211.0.
IDC III 14 04 12 47.6–55 24.55S 177.94W 0 4.0s,4.0
¶12703223

IDC Error ellipse: s-maj=1012.0km s-min=160.6km az=89.0.
ISC III 14 09 29 17.4–.73 23.0S–.10 179.3W–.10 526 3.8b 29 12-150
AUST III 14 09 29 01.6–23 23.24S 179.82W 276–1 3.8b **¶15153187**
ISCJB III 14 09 29 16.6–.64 23.0S–.10 179.3W–.10 526 3.8b
IDC III 14 09 29 18.1–2.8 23.08S 179.38W 526–28 3.6,3.5b
ISC Event type ke.
AUST Error ellipse: s-maj=8.7km s-min=2.7km az=243.0.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=8.7km az=136.5.
IDC Error ellipse: s-maj=22.7km s-min=17.8km az=83.0.
IDC III 14 13 23 58.3–.71 24.22S 176.51W 0 4.4,4.3
¶12085985

IDC Error ellipse: s-maj=26.2km s-min=19.6km az=153.0.
ISC III 14 20 38 24.8–3.0 23.8S–.40 179.6E–.40 500 4.1b 19 26-147
AUST III 14 20 37 16.5 23.13S 174.21W 200 4.1b **¶15153200**
IDC III 14 20 38 28.4–5.2 23.66S 179.15E 509–30 3.7,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=72.3km s-min=46.0km az=133.0.
IDC III 15 00 45 42.0–4.9 23.76S 179.91W 596–57 3.3,3.1b
¶12703308

IDC Error ellipse: s-maj=44.8km s-min=29.7km az=3.0.
IDC III 16 06 11 49.7–10 25.25S 177.28W 198–110 3.7,3.6
¶12703402

IDC Error ellipse: s-maj=88.1km s-min=32.4km az=173.0.
IDC III 16 11 32 41.7–58 20.75S 175.56E 0 4.3s,4.3
¶12703415

IDC Error ellipse: s-maj=1010.0km s-min=131.4km az=80.0.
IDC III 16 14 35 29.9–2.5 23.54S 179.97E 532–24 3.8,3.7b
¶12703421

IDC Error ellipse: s-maj=26.8km s-min=19.7km az=19.0.
IDC III 16 18 27 06.1–69 22.23S 177.40W 0 3.8,3.6b
¶12703443

IDC Error ellipse: s-maj=1274.0km s-min=162.1km az=86.0.
IDC III 17 04 11 20.0–2.6 20.18S 179.98E 0 3.9,3.7s
¶12703490

IDC Error ellipse: s-maj=202.1km s-min=33.9km az=160.0.
ISC III 17 22 19 46.5–.79 24.7S–.10 179.9E–.10 517 3.9b 21 11-148
IDC III 17 22 19 42.3–3.7 24.52S 179.92W 478–34 3.8,3.6b **¶15153240**
ISCJB III 17 22 19 46.3–.61 24.60S–.09 179.70E–.09 517 3.9b,3.6b
AUST III 17 22 19 53.5 23.20S 179.25E 600 3.9b,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=25.4km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=9.5km az=142.1.
IDC III 18 03 35 29.3–5.5 23.68S 179.93E 554–60 3.5,3.3b
¶12703558

IDC Error ellipse: s-maj=41.6km s-min=28.0km az=23.0.
IDC III 18 04 24 09.5–77 23.99S 179.07W 0 4.2s,4.2
¶12703562

IDC Error ellipse: s-maj=1398.0km s-min=177.3km az=88.0.
IDC III 18 05 22 19.9–12 24.59S 179.37E 605–155 3.4,3.1b
¶12703568

IDC Error ellipse: s-maj=98.3km s-min=57.5km az=164.0.
IDC III 19 03 48 03.1–19 24.69S 177.75E 678–185 3.3,3.1b
¶12703642

IDC Error ellipse: s-maj=176.3km s-min=87.9km az=82.0.
IDC III 19 14 37 27.0–62 19.76S 178.09E 0 3.8,3.6
¶12703686

IDC Error ellipse: s-maj=1099.0km s-min=142.0km az=80.0.
IDC III 19 18 31 58.5–1.2 26.18S 177.04W 0 4.6,4.4b
¶12703702

IDC Error ellipse: s-maj=41.3km s-min=27.3km az=48.0.
ISC III 20 00 13 11.4–.68 26.99S–.09 176.3W–.10 31 4.6b 51 3-166
IDC III 20 00 13 07.0–.86 26.84S 176.33W 0 4.5,4.4b **¶12703753**
ISCJB III 20 00 13 09.6–1.5 27.0S–.10 176.3W–.20 31 4.4b,4.4b
NEIC III 20 00 13 12.9–2.9 27.04S 176.34W 43–23 4.6b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=25.1km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=14.0km az=170.0.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=14.0km az=46.0.
IDC III 20 16 33 20.5–7.4 24.54S 176.18W 0 4.0,3.8b
¶12703836

IDC Error ellipse: s-maj=225.8km s-min=98.6km az=147.0.
IDC III 20 19 44 22.2–4.5 24.44S 179.50W 0 4.4,4.2b
¶12703851

IDC Error ellipse: s-maj=214.7km s-min=59.7km az=159.0.
ISC III 21 01 14 55.6–.51 24.87S–.09 179.90E–.08 501 4.1b 43 11-168
AUST III 21 01 14 52.4 24.66S 179.91E 450 4.1b **¶15153330**
ISCJB III 21 01 14 54.7–.44 24.86S–.07 179.85E–.07 501 4.1b
IDC III 21 01 14 55.7–1.5 24.83S 179.77E 498–14 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=8.1km az=152.0.
IDC Error ellipse: s-maj=15.9km s-min=12.6km az=10.0.
ISC III 21 06 08 02.1–.45 22.61S–.07 176.40W–.06 123–3 4.6b 430 7-170
SZGRF III 21 06 07 49.7 23.00S 175.83W 33 4.6b **¶15153349**
AUST III 21 06 07 54.5–3.5 22.82S 175.94W 64–0 4.6b
ISCJB III 21 06 08 00.2–.16 22.62S–.05 176.49W–.04 113 4.6b
IDC III 21 06 08 00.9–.71 22.43S 176.55W 108–6 4.4,4.3
NEIC III 21 06 08 02.5–1.1 22.61S 176.47W 127–9 4.6b,4.3
BJI III 21 06 08 03.9 22.11S 176.91W 121 5.2b,4.9b
ISC Event type se.
SZGRF Tonga Islands region.
AUST Error ellipse: s-maj=2.7km s-min=1.5km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.2km az=150.2.
IDC Error ellipse: s-maj=16.2km s-min=11.9km az=142.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.2km az=146.0.
IDC III 21 14 30 44.3–3.8 22.30S 176.45W 0 4.1,4.0
¶12635190

IDC Error ellipse: s-maj=137.5km s-min=30.9km az=140.0.
IDC III 21 14 50 55.6–7.6 22.16S 176.10W 0 4.2,4.0b
¶12635192

IDC Error ellipse: s-maj=239.3km s-min=34.9km az=138.0.
IDC III 21 21 39 36.4–5.9 25.99S 177.43W 54–49 4.1,3.9
¶12635223

IDC Error ellipse: s-maj=51.6km s-min=31.0km az=153.0.
IDC III 21 22 26 46.9–2.5 24.02S 179.07E 557–32 3.4,3.2b
¶12635230

IDC Error ellipse: s-maj=82.3km s-min=17.8km az=164.0.
ISC III 22 13 40 58.0–.62 25.16S–.10 179.7E–.10 507 3.6b 26 13-168
ISCJB III 22 13 40 57.5–.66 25.10S–.09 179.6E–.10 507 3.6b **¶12635290**
IDC III 22 13 40 59.2–2.4 25.13S 179.63E 520–26 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=11.6km az=177.7.
IDC Error ellipse: s-maj=17.4km s-min=12.6km az=179.0.
ISC III 22 14 34 58.4–.58 23.8S–.10 179.99W–.10 532 3.8b 26 10-169
AUST III 22 14 34 52.2–8.9 25.71S 166.34E 462–0 3.8b **¶12635296**
ISCJB III 22 14 34 57.7–.63 23.7S–.10 180.0E–.10 532 3.9b
IDC III 22 14 34 57.0–2.0 23.63S 179.96W 516–20 3.6,3.4b
ISC Event type ke.
AUST Error ellipse: s-maj=2.1km s-min=1.4km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=13.3km az=159.7.
IDC Error ellipse: s-maj=34.8km s-min=13.9km az=162.0.
IDC III 22 18 57 12.6–57 22.80S 179.15W 0 3.9,3.8b
¶12635316

IDC Error ellipse: s-maj=1021.0km s-min=150.9km az=86.0.
ISC III 23 01 05 30.9–.88 23.5S–.10 179.7W–.10 536 4.2b 29 15-170

AUST III 23 01 04 26.3 22.31S 175.94W 100 4.2b ¶15153389
ISCJB III 23 01 05 30.2–1.0 23.4S–.10 179.8W–.10 536 4.0b
IDC III 23 01 05 34.2–2.9 23.42S 179.84W 569–32 3.7,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.6km s-min=12.4km az=155.9.
IDC Error ellipse: s-maj=23.3km s-min=15.8km az=16.0.
IDC III 23 03 16 52.9–5.9 22.05S 176.43W 0 4.2,4.0
¶12635352

IDC Error ellipse: s-maj=198.4km s-min=27.5km az=136.0.
IDC III 23 03 24 04.6–30 22.09S 178.31W 0 4.2,4.0b
¶12635353

IDC Error ellipse: s-maj=578.1km s-min=140.6km az=90.0.
IDC III 23 10 01 56.0–2.4 25.65S 178.69E 604–30 3.8,3.6b
¶12635376

IDC Error ellipse: s-maj=39.9km s-min=15.5km az=171.0.
IDC III 23 23 50 19.8–17 23.50S 176.35W 0 4.2,4.0b
¶12635431

IDC Error ellipse: s-maj=326.4km s-min=136.4km az=83.0.
IDC III 25 04 25 34.5–18 23.31S 179.27W 367–140 3.4,3.1
¶12635520

IDC Error ellipse: s-maj=480.8km s-min=41.8km az=157.0.
ISC III 26 00 01 19.7–.52 23.66S–.06 179.84W–.08 511–3 4.7b 134 6-169
ISCJB III 26 00 01 19.9–.88 23.61S–.06 179.94W–.08 520–10 4.7b ¶12061001
BJI III 26 00 01 20.9 23.12S 179.77W 510 4.9b,4.8b
IDC III 26 00 01 20.4–2.0 23.36S 179.90W 522–20 4.0,3.8b
NEIC III 26 00 01 20.6–.72 23.52S 179.81W 533–8 4.9b,3.8b
MOS III 26 00 01 22.3–2.7 23.43S 179.64E 517 4.8b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=9.1km az=6.9.
IDC Error ellipse: s-maj=18.1km s-min=15.9km az=164.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.9km az=107.0.
MOS Error ellipse: s-maj=14.9km s-min=13.0km az=143.4.
ISC III 26 01 06 44.8–.59 26.90S–.08 177.7W–.20 150 3.9b 50 2-166
IDC III 26 01 06 41.8–11 26.72S 177.71W 120–93 4.1,3.9 ¶13437329
ISCJB III 26 01 06 44.5–.62 26.93S–.07 177.9W–.10 150 3.8b,3.9
NEIC III 26 01 06 45.3–.93 26.95S 177.68W 158–8 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=29.1km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=8.8km az=170.9.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.3km az=87.0.
IDC III 26 02 38 10.9–4.7 23.30S 177.68W 0 4.1,3.9b
¶12635607

IDC Error ellipse: s-maj=223.4km s-min=45.7km az=154.0.
IDC III 26 18 46 46.3–36 22.12S 179.62W 0 3.9,3.7b
¶12635647

IDC Error ellipse: s-maj=663.4km s-min=150.2km az=89.0.
IDC III 26 20 39 43.6–4.9 23.52S 176.06W 0 4.3,4.1b
¶12635651

IDC Error ellipse: s-maj=168.2km s-min=50.1km az=140.0.
IDC III 27 00 11 21.7–48 24.25S 179.86W 518–201 3.4,3.3b
¶12635661

IDC Error ellipse: s-maj=610.1km s-min=100.8km az=87.0.
IDC III 27 00 53 38.2–.57 26.56S 177.11W 62–4 4.3,4.0
¶12635665

IDC Error ellipse: s-maj=21.6km s-min=15.3km az=153.0.
IDC III 27 01 43 09.5–12 24.54S 179.14E 410–116 3.3,3.2b
¶12635669

IDC Error ellipse: s-maj=86.0km s-min=41.0km az=34.0.
ISC III 27 10 41 24.8–.35 24.10S–.05 179.51E–.04 561–3 5.0b 480 6-169
SZGRF III 27 10 40 21.5 25.19S 178.86W 33 5.0b ¶15153442
ISCJB III 27 10 41 22.4–.56 24.07S–.04 179.36E–.03 535–7 4.8b
MOS III 27 10 41 22.3–1.9 23.91S 179.47E 532 5.0b
IDC III 27 10 41 23.2–1.1 24.06S 179.36E 538–10 4.2b,4.2
NEIC III 27 10 41 23.6–.55 24.06S 179.51E 548–6 5.1b,4.2
AUST III 27 10 41 23.9–.01 23.92S 179.67E 560–0 5.1b,4.2
DJA III 27 10 41 23.3–1.2 24S–12 180E–11 558–19 5.4b,5.2b
BJI III 27 10 41 25.0 23.97S 179.48E 572 5.2b,4.9b
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=162.8.
MOS Error ellipse: s-maj=11.2km s-min=9.5km az=20.0.
IDC Error ellipse: s-maj=10.4km s-min=9.3km az=150.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=6.7km az=141.0.
AUST Error ellipse: s-maj=1.4km s-min=0.9km az=283.0.
IDC III 28 06 43 18.6–34 24.55S 179.88W 520–329 3.4,3.2b
¶12635752

IDC Error ellipse: s-maj=219.9km s-min=100.2km az=83.0.
IDC III 28 13 23 22.4–3.1 23.13S 176.11W 0 3.9,3.7
¶12635774

IDC Error ellipse: s-maj=218.4km s-min=27.3km az=158.0.
IDC III 28 23 19 27.4–33 21.56S 178.73E 0 4.1,3.9b
¶12635815

IDC Error ellipse: s-maj=611.3km s-min=139.8km az=88.0.
IDC III 29 00 31 21.5–7.8 22.74S 176.37W 0 4.3,4.1b
¶12635822

IDC Error ellipse: s-maj=246.2km s-min=93.6km az=145.0.
IDC III 29 19 17 15.5–10 24.98S 179.63E 663–144 2.9,2.7b
¶12635882

IDC Error ellipse: s-maj=108.2km s-min=34.4km az=12.0.
ISC III 30 02 44 56.7–.80 26.7S–.20 177.1W–.20 95 4.1b 16 16-167
ISCJB III 30 02 44 55.9–.78 26.7S–.20 177.2W–.20 95 4.0b ¶12635905
IDC III 30 02 45 02.7–12 26.75S 177.20W 145–103 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.2km s-min=20.4km az=176.1.
IDC Error ellipse: s-maj=46.3km s-min=35.6km az=158.0.
IDC III 30 06 30 28.1–31 23.59S 176.69W 0 4.1,3.9b
¶12635919

IDC Error ellipse: s-maj=583.8km s-min=159.7km az=92.0.
IDC III 30 10 50 23.4–9.9 24.22S 178.99W 506–94 3.5,3.5
¶12635936

IDC Error ellipse: s-maj=127.0km s-min=38.7km az=61.0.
IDC III 31 03 39 12.1–4.7 24.07S 179.40E 543–35 3.7,3.6b
¶12636001

IDC Error ellipse: s-maj=55.6km s-min=38.4km az=53.0.
IDC III 31 05 02 46.9–42 24.22S 178.74W 0 4.1,3.9b
¶12636006

IDC Error ellipse: s-maj=763.7km s-min=150.3km az=88.0.
ISC III 31 22 21 53.3–.27 25.49S–.04 179.64E–.04 495–2 4.8b 593 4-168
DJA III 31 22 21 51.0–4.8 26S–32 180E–44 507–46 5.6b,5.4b ¶15153497
AUST III 31 22 21 52.9–.01 25.31S 179.81E 497–0 5.6b,5.4b
MOS III 31 22 21 52.0–2.0 25.39S 179.64E 479 4.9b,5.4b
ISCJB III 31 22 21 52.8–.49 25.52S–.03 179.55E–.03 493–5 4.8b,5.4b
IDC III 31 22 21 53.0–.45 25.49S 179.64E 492–4 4.4,4.4
NEIC III 31 22 21 53.0–.17 25.50S 179.58E 491 4.7b,4.4
BJI III 31 22 21 56.0 24.74S 179.39E 501 4.8b,4.6b
SZGRF III 31 22 22 14.3 19.99S 179.89E 484 4.8b,4.6b
ISC Event type se.
AUST Error ellipse: s-maj=1.1km s-min=0.9km az=270.0.
MOS Error ellipse: s-maj=10.1km s-min=10.0km az=90.8.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.8km az=158.7.
IDC Error ellipse: s-maj=7.7km s-min=7.4km az=155.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=5.7km az=131.0.
SZGRF South of Fiji Islands.
IDC III 31 22 39 06.2–8.4 25.30S 179.68E 463–79 3.2,3.2
¶12636055

IDC Error ellipse: s-maj=74.7km s-min=25.0km az=56.0.
IDC III 31 23 07 50.7–2.9 25.44S 179.43E 549–32 3.3,3.2b
¶12636056

IDC Error ellipse: s-maj=20.5km s-min=16.7km az=179.0.
IDC IV 01 03 51 37.6–14 23.66S 179.85E 539–168 3.6,3.4
¶16152205

IDC Error ellipse: s-maj=98.8km s-min=54.2km az=163.0.
ISC IV 01 14 02 20.8–.83 23.67S–.09 179.9W–.10 532 3.9b 35 15-148
IDC IV 01 14 02 17.9–2.1 23.55S 179.81W 500–22 3.7,3.5 ¶16152226
ISCJB IV 01 14 02 19.6–.66 23.49S–.06 179.9W–.10 532 3.9b,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC IV 01 19 49 18.8–4.9 22.21S 176.71W 0 4.2,4.0
¶16152239

IDC Error ellipse: s-maj=214.1km s-min=35.1km az=144.0.
ISC IV 01 23 56 13.7–.36 26.80S–.06 177.67W–.08 200 4.1b 152 2-166
NEIC IV 01 23 56 12.6–.74 26.77S 177.66W 195–6 4.2b ¶12746743
IDC IV 01 23 56 14.5–.85 26.70S 177.81W 204–7 4.1,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=10.6km az=181.0.
IDC Error ellipse: s-maj=14.0km s-min=11.6km az=136.0.
IDC IV 02 00 02 29.3–4.9 23.57S 179.69E 665–56 3.5,3.2
¶16152248

IDC Error ellipse: s-maj=45.1km s-min=31.9km az=151.0.
ISC IV 03 00 02 14.4–.80 24.0S–.20 179.98E–.10 526 4.2b 21 11-90
ISCJB IV 03 00 02 12.9–1.1 23.9S–.20 180.0E–.10 526 4.0b ¶15153536
IDC IV 03 00 02 14.0–7.9 23.73S 179.91W 540–90 3.7,3.5
AUST IV 03 00 02 19.1–7.1 22.89S 179.73E 586–1 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.3km s-min=16.4km az=19.0.
IDC Error ellipse: s-maj=44.4km s-min=17.3km az=49.0.
AUST Error ellipse: s-maj=5.8km s-min=2.1km az=268.0.
IDC IV 03 04 01 20.6–5.5 21.75S 179.60E 0 4.6,4.3
¶13437845

IDC Error ellipse: s-maj=261.2km s-min=57.2km az=151.0.
ISC IV 04 17 01 32.0–.46 22.17S–.07 178.79W–.09 576 4.0b 112 5-171
NEIC IV 04 17 01 27.8–.93 22.09S 178.76W 525–10 4.2b ¶13437925
IDC IV 04 17 01 34.0–2.2 21.90S 179.21W 574–26 3.6,3.5
SZGRF IV 04 17 01 43.0 23.55S 176.46W 33 3.6,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=12.3km az=126.0.
IDC Error ellipse: s-maj=21.8km s-min=10.6km az=156.0.
SZGRF South of Fiji Islands.
IDC IV 07 03 16 19.4–12 22.81S 179.40E 648–94 3.4,3.3
¶16152488

IDC Error ellipse: s-maj=243.0km s-min=66.8km az=31.0.
IDC IV 07 04 32 53.6–2.1 22.73S 176.01W 0 5.8s,5.8
¶16152489

IDC Error ellipse: s-maj=101.5km s-min=39.5km az=148.0.
IDC IV 07 16 59 25.7–3.4 23.12S 177.90W 0 4.5,4.3
¶16152516

IDC Error ellipse: s-maj=172.2km s-min=45.4km az=150.0.
ISC IV 07 17 44 41.8–.90 24.8S–.10 176.1W–.20 35 4.3b 32 9-168
IDC IV 07 17 44 39.9–1.4 24.19S 176.72W 0 4.4,4.3 ¶12759379
NEIC IV 07 17 44 41.7–1.3 24.64S 176.09W 35 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=43.5km s-min=27.2km az=120.0.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=17.8km az=88.0.
IDC IV 08 03 03 56.6–10 22.82S 179.37W 502–48 3.8,3.6
¶16152526

IDC Error ellipse: s-maj=134.2km s-min=93.1km az=106.0.
ISC IV 08 19 48 12.7–.33 23.83S–.05 179.85E–.05 531–2 4.4b 272 6-169
ISCJB IV 08 19 48 10.5–.67 23.77S–.04 179.82E–.05 515–8 4.4b ¶15153608
AUST IV 08 19 48 11.5–1.1 23.64S 179.91E 515–0 4.4b
NEIC IV 08 19 48 12.3–.20 23.72S 179.87E 526 4.8b
IDC IV 08 19 48 12.1–.62 23.81S 179.79E 519–6 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.7km az=14.3.
AUST Error ellipse: s-maj=2.0km s-min=1.3km az=38.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.7km az=169.0.
IDC Error ellipse: s-maj=8.5km s-min=8.0km az=145.0.
IDC IV 09 17 18 18.8–4.6 23.43S 178.30W 0 4.2,4.0
¶16152596

IDC Error ellipse: s-maj=219.4km s-min=58.4km az=157.0.
ISC IV 09 18 20 08.5–.54 23.50S–.08 179.30E–.10 548 3.6b 50 12-169
IDC IV 09 18 20 06.9–1.4 23.36S 179.38E 528–13 3.5,3.4 ¶13438266
ISCJB IV 09 18 20 07.3–.49 23.41S–.06 179.33E–.10 548 3.7b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC IV 09 19 54 27.1–8.2 24.56S 179.75W 513–54 3.3,3.2
¶16152602

IDC Error ellipse: s-maj=115.5km s-min=21.6km az=51.0.
ISC IV 10 11 04 04.9–.78 26.0S–.10 179.7E–.10 450 3.9b 35 11-149
AUST IV 10 11 02 42.1–24 25.59S 174.38W 4–2 3.9b ¶13438324
ISCJB IV 10 11 04 04.0–.68 25.98S–.08 179.7E–.10 450 3.9b
IDC IV 10 11 04 07.1–1.8 26.08S 179.67E 471–18 3.8,3.5
ISC Event type ke.
AUST Error ellipse: s-maj=4.3km s-min=2.5km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=10.3km az=2.9.
IDC Error ellipse: s-maj=18.0km s-min=13.2km az=166.0.
IDC IV 11 01 31 07.5–1.8 24.93S 179.85E 482–22 3.8,3.6
¶16152647

IDC Error ellipse: s-maj=18.3km s-min=12.4km az=157.0.
IDC IV 11 12 45 00.4–1.4 22.18S 176.40W 0 4.2,4.1s
¶12759396

IDC Error ellipse: s-maj=71.0km s-min=19.2km az=146.0.
ISC IV 11 19 49 39.3–.52 23.95S–.08 179.90W–.09 518 4.4b 61 6-169
NEIC IV 11 19 49 38.8–.87 23.94S 179.92W 508–10 4.5b ¶12935004
ISCJB IV 11 19 49 38.9–.36 23.89S–.05 179.98E–.07 518 4.3b
IDC IV 11 19 49 39.8–1.7 23.83S 179.92W 517–16 3.9,3.7
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.5km az=145.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.9km az=20.4.
IDC Error ellipse: s-maj=15.8km s-min=14.8km az=40.0.
IDC IV 12 04 45 44.2–1.2 22.25S 177.81W 0 4.3,4.0
¶16152691

IDC Error ellipse: s-maj=70.4km s-min=28.1km az=155.0.
IDC IV 12 21 31 37.6–6.1 22.81S 177.15W 377–157 3.3,3.3
¶16152731

IDC Error ellipse: s-maj=125.4km s-min=31.0km az=94.0.
IDC IV 13 22 06 09.1–3.4 23.45S 179.99W 528–35 3.7,3.6
¶16152778

IDC Error ellipse: s-maj=33.5km s-min=21.6km az=29.0.
ISC IV 14 23 01 08.7–4.6 23.9S–.70 177.6W–.70 35 4.2b 10 33-149
IDC IV 14 23 01 05.7–3.8 24.21S 177.74W 0 4.5,4.4b ¶16152795
AUST IV 14 23 02 13.0–5.7 23.64S 173.82E 35–0 4.5,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=146.0km s-min=51.1km az=149.0.
AUST Error ellipse: s-maj=1.7km s-min=1.3km az=278.0.
IDC IV 15 03 02 29.7–1.3 25.18S 177.10W 0 4.3,4.3
¶16152802

IDC Error ellipse: s-maj=47.0km s-min=27.9km az=61.0.
ISC IV 15 16 28 38.2–1.2 23.8S–.20 177.7W–.20 171 3.6b 17 11-149
IDC IV 15 16 28 27.1–4.0 24.77S 177.26W 91–34 3.9,3.8 ¶16152817
ISCJB IV 15 16 28 37.1–1.2 23.9S–.20 177.7W–.20 171 3.7b,3.8
AUST IV 15 16 29 35.3 23.20S 179.25E 600 3.7b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=45.0km s-min=19.2km az=145.0.
ISCJB Event type ke. Error ellipse: s-maj=36.4km s-min=9.0km az=138.9.
IDC IV 17 10 58 22.3–28 23.90S 179.18E 580–291 3.3,3.2
¶16152900

IDC Error ellipse: s-maj=194.9km s-min=88.1km az=79.0.
IDC IV 17 22 23 35.3–8.9 23.96S 179.58E 516–83 3.2,3.2
¶16152953

IDC Error ellipse: s-maj=76.1km s-min=22.6km az=44.0.
ISC IV 19 10 26 18.1–.43 23.86S–.06 179.86W–.06 511–3 4.4b 213 6-169
BJI IV 19 10 26 17.3 23.70S 179.80W 508 4.6b,4.5b ¶15153829

ISCJB IV 19 10 26 18.3–.66 23.79S–.04 179.93W–.05 518–9 4.3b,4.5b
NEIC IV 19 10 26 18.7–.84 23.80S 179.86W 518–9 4.6b,4.5b
IDC IV 19 10 26 21.6–1.6 23.75S 179.99W 545–16 3.9,3.8
AUST IV 19 10 26 22.6–.02 23.64S 179.78W 571–0 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.5km az=20.5.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.7km az=125.0.
IDC Error ellipse: s-maj=12.6km s-min=11.3km az=162.0.
AUST Error ellipse: s-maj=1.5km s-min=1.1km az=282.0.
IDC IV 19 13 22 29.4–4.0 19.84S 177.03E 0 3.7,3.5
¶16153058

IDC Error ellipse: s-maj=279.8km s-min=33.9km az=156.0.
ISC IV 20 00 45 33.6–.38 22.31S–.08 179.59W–.06 579 4.2b 283 5-171
ISCJB IV 20 00 45 32.9–.17 22.24S–.06 179.68W–.04 579 4.1b **¶15153837**
IDC IV 20 00 45 32.0–1.6 22.23S 179.53W 558–18 3.7,3.7
AUST IV 20 00 45 35.6–1.8 21.96S 179.41W 624–0 3.7,3.7
NEIC IV 20 00 45 35.1–1.2 22.19S 179.74W 592–12 4.3b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.6km az=154.9.
IDC Error ellipse: s-maj=15.6km s-min=10.1km az=156.0.
AUST Error ellipse: s-maj=2.6km s-min=1.3km az=355.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=9.5km az=151.0.
IDC IV 22 22 31 53.4–75 24.13S 178.02W 515–301 3.3,3.2
¶16153279

IDC Error ellipse: s-maj=940.3km s-min=108.5km az=84.0.
ISC IV 23 13 30 28.6–.92 24.7S–.10 179.9E–.10 517 3.7b 17 13-168
IDC IV 23 13 30 26.4–2.8 24.56S 179.90E 489–29 3.4,3.2 **¶16153305**
ISCJB IV 23 13 30 27.7–.87 24.57S–.08 179.9E–.10 517 3.7b,3.2
ISC Event type ke.
ISCJB Event type ke.
IDC IV 24 21 32 22.0–1.3 24.75S 176.14W 0 5.2L,4.4
¶16153351

IDC Error ellipse: s-maj=40.0km s-min=26.7km az=145.0.
IDC IV 25 23 22 45.4–3.4 23.63S 179.92W 505–33 3.5,3.3
¶16153394

IDC Error ellipse: s-maj=27.4km s-min=18.3km az=43.0.
IDC IV 27 08 41 25.7–47 23.61S 179.49E 666–423 2.8,2.6
¶16154550

IDC Error ellipse: s-maj=451.7km s-min=159.9km az=110.0.
IDC IV 28 22 27 30.8–57 22.75S 177.25W 0 4.0,3.9
¶16154596

IDC Error ellipse: s-maj=1041.0km s-min=160.1km az=86.0.
IDC IV 29 08 51 43.2–65 24.57S 178.99W 0 3.6,3.5
¶16154613

IDC Error ellipse: s-maj=1182.0km s-min=160.6km az=89.0.
IDC IV 29 11 39 45.9–55 19.58S 179.54E 0 4.5,4.4
¶16154619

IDC Error ellipse: s-maj=984.7km s-min=141.8km az=80.0.
IDC IV 30 01 55 10.2–13 23.67S 179.65E 633–132 3.5,3.4
¶16154650

IDC Error ellipse: s-maj=115.2km s-min=24.1km az=54.0.
IDC IV 30 19 44 35.2–11 23.16S 177.21W 114–105 4.3L,3.7
¶16154677

IDC Error ellipse: s-maj=75.9km s-min=38.2km az=170.0.
IDC V 01 09 02 03.7–10 23.65S 179.97E 469–132 3.5,3.3
¶16154695

IDC Error ellipse: s-maj=92.7km s-min=28.4km az=6.0.
IDC V 01 15 47 02.7–70 20.02S 179.13E 0 3.7,3.5
¶16154711

IDC Error ellipse: s-maj=1259.0km s-min=166.3km az=81.0.
IDC V 02 09 18 06.9–55 24.10S 177.41W 0 4.1,3.9
¶16154830

IDC Error ellipse: s-maj=1001.0km s-min=159.7km az=88.0.
ISC V 02 14 58 28.5–.26 24.81S–.04 176.95W–.05 100–1 5.0b 615 5-168
ISCJB V 02 14 58 24.8–1.2 24.86S–.05 176.99W–.04 80–10 5.0b **¶15154059**
NEIC V 02 14 58 27.7–.20 24.78S 177.01W 95 5.0b
AUST V 02 14 58 28.8–.03 24.85S 176.71W 107–0 5.0b
MOS V 02 14 58 28.0–1.3 24.76S 177.10W 102 5.5b
GCMT V 02 14 58 28.3–.20 24.94S 176.76W 97–1 5.2W
IDC V 02 14 58 30.9–1.5 24.85S 177.15W 113–12 4.9,4.9
SZGRF V 02 14 58 31.3 23.93S 178.56W 33 4.9,4.9
DJA V 02 14 58 37.5–3.7 25S–7.0 177W–13 189–36 5.7b,5.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c120; s99,c167; Moment tensor: Scale 10^{16}Nm; M_{rr}3.21±.19 $M_{\theta\theta}$0.00±.22; $M_{\phi\phi}$-3.21±.19; $M_{r\theta}$-7.94±.12; $M_{\theta\phi}$-1.86±.20; $M_{\theta r}$-2.68±.12; Best double couple: NP1:ϕ_s3.00000°,δ18.00000°,λ29.00000°. NP2:ϕ_s245.00000°,δ81.00000°,λ106.00000°. Principal axes: T 9.7700,Plg51.0000° ,Azm173.0000°; N -1.3700,Plg16.0000°,Azm62.0000°; P -8.4100,Plg34.0000° ,Azm321.0000° $M_0$9.10000×10^{16}
SZGRF South of Fiji Islands.
ISC V 03 05 20 49.5–.99 22.2S–.10 179.5W–.10 592 3.7b 16 13-144
ISCJB V 03 05 20 48.6–.84 22.14S–.10 179.5W–.10 592 3.7b **¶15154082**
IDC V 03 05 20 50.1–5.0 22.16S 179.53W 598–62 3.4,3.2
AUST V 03 05 20 51.0–8.9 22.18S 179.61W 584–0 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=12.7km az=8.0.
IDC Error ellipse: s-maj=32.7km s-min=28.4km az=4.0.
AUST Error ellipse: s-maj=6.3km s-min=1.5km az=252.0.
IDC V 05 00 38 22.7–65 20.25S 178.42E 0 4.1,3.9
¶16154911

IDC Error ellipse: s-maj=1160.0km s-min=161.6km az=81.0.
IDC V 05 06 10 06.1–1.5 24.03S 179.71E 0 4.5,4.3
AUST V 05 06 11 55.1–46 25.46S 172.69E 672–5 4.5,4.3 **¶16154920**
IDC Error ellipse: s-maj=48.0km s-min=29.3km az=179.0.
AUST Error ellipse: s-maj=13.8km s-min=3.5km az=268.0.
ISC V 05 09 55 42.1–1.1 23.8S–.10 179.4W–.20 512 3.8b 12 12-148
AUST V 05 09 54 52.2 21.22S 174.98W 300 3.8b **¶16154929**
IDC V 05 09 55 39.5–3.4 23.34S 179.86E 418–46 3.4,3.3
ISCJB V 05 09 55 41.5–.98 23.66S–.10 179.6W–.20 512 3.8b,3.3
ISC Event type ke.
ISCJB Event type ke.
IDC V 05 12 53 42.9–26 23.30S 176.63W 0 4.2,4.1
¶16154935

IDC Error ellipse: s-maj=496.7km s-min=147.0km az=92.0.
IDC V 05 23 35 28.1–4.3 26.42S 177.69W 100–38 3.9,3.7b
¶13439347

IDC Error ellipse: s-maj=43.0km s-min=33.9km az=38.0.
IDC V 06 02 09 34.1–2.8 22.56S 179.69W 523–33 3.4,3.2
¶16155430

IDC Error ellipse: s-maj=27.8km s-min=17.0km az=148.0.
ISC V 06 13 42 04.6–.64 24.71S–.09 179.9E–.10 517 4.0b 54 13-168
AUST V 06 13 40 35.6 24.60S 174.02W 0 4.0b **¶15154178**
ISCJB V 06 13 42 03.8–.70 24.64S–.08 179.9E–.10 517 4.0b
IDC V 06 13 42 05.0–1.7 24.66S 179.83E 513–17 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=10.1km az=170.9.
IDC Error ellipse: s-maj=13.8km s-min=12.8km az=143.0.
ISC V 07 10 15 57.3–.69 23.94S–.10 179.7W–.10 512 3.6b 20 10-169
IDC V 07 10 15 55.6–2.6 23.89S 179.78W 484–29 3.5,3.4 **¶16155480**
ISCJB V 07 10 15 56.4–.71 23.87S–.08 179.8W–.10 512 3.8b,3.4
AUST V 07 10 16 09.9–8.4 21.39S 179.80E 656–0 3.8b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=17.2km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=10.8km az=10.3.
AUST Error ellipse: s-maj=5.9km s-min=1.6km az=12.0.
IDC V 07 15 19 56.3–4.1 23.77S 177.44W 115–44 3.9,3.8
¶16155490

IDC Error ellipse: s-maj=60.8km s-min=30.0km az=130.0.
IDC V 08 02 42 17.9–6.4 22.35S 177.90W 0 4.0,3.8
¶16155502

IDC Error ellipse: s-maj=181.1km s-min=101.2km az=143.0.
IDC V 10 01 58 51.7–9.0 23.68S 179.84W 522–83 3.6,3.5
¶16155565

IDC Error ellipse: s-maj=78.7km s-min=22.5km az=44.0.
IDC V 10 05 57 08.8–9.7 24.04S 179.54E 644–116 3.2,3.0
¶16155568

IDC Error ellipse: s-maj=68.2km s-min=44.6km az=133.0.
IDC V 10 08 31 18.1–2.1 22.79S 179.41W 0 4.1,3.9
¶16155577

IDC Error ellipse: s-maj=162.6km s-min=32.2km az=160.0.
IDC V 10 12 27 20.6–65 20.75S 177.60E 0 3.8,3.6
¶16155591

IDC Error ellipse: s-maj=1142.0km s-min=146.7km az=81.0.
IDC V 10 13 30 55.0–2.1 22.53S 179.70W 0 4.2,3.9
¶16155592

IDC Error ellipse: s-maj=172.2km s-min=32.3km az=160.0.
ISC V 10 21 46 04.0–.93 23.5S–.20 179.8W–.10 532 3.9b 22 15-170
AUST V 10 21 45 03.2 20.78S 175.56W 200 3.9b **¶16155612**
ISCJB V 10 21 46 03.5–1.0 23.5S–.20 179.9W–.10 532 4.0b
IDC V 10 21 46 06.6–2.9 23.54S 179.83W 558–31 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.0km s-min=17.0km az=14.3.
IDC Error ellipse: s-maj=27.1km s-min=17.2km az=12.0.
ISC V 10 22 44 12.4–.46 22.32S–.07 179.50W–.08 579 4.3b 116 5-153
SZGRF V 10 22 43 06.5 23.44S 177.83W 33 4.3b **¶12818700**
BJI V 10 22 44 13.9 22.20S 179.50W 604 4.7b,4.6b
NEIC V 10 22 44 14.0–.77 22.17S 179.54W 604–8 4.6b,4.6b
IDC V 10 22 44 14.0–1.1 22.07S 179.63W 590–11 3.8,3.7
ISC Event type se.
SZGRF South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.5km az=126.0.
IDC Error ellipse: s-maj=16.7km s-min=10.2km az=152.0.
IDC V 11 03 13 36.2–18 26.42S 179.65W 267–180 3.2,3.0
¶16155618

IDC Error ellipse: s-maj=213.9km s-min=55.1km az=163.0.
IDC V 12 09 51 48.8–3.6 23.40S 179.96W 533–37 3.6,3.3
¶16155669

IDC Error ellipse: s-maj=43.6km s-min=19.6km az=159.0.
ISC V 14 04 40 13.3–1.5 24.9S–.40 180.0W–.30 496 8 14-168
IDC V 14 04 40 04.4–11 24.93S 179.64W 403–104 3.4,3.2 **¶13439580**
ISC Event type ke.
IDC Error ellipse: s-maj=79.2km s-min=34.6km az=36.0.
IDC V 14 12 36 57.3–55 23.13S 176.88W 0 3.9,3.8
¶16155742

IDC Error ellipse: s-maj=1009.0km s-min=157.4km az=87.0.
IDC V 14 15 07 49.9–2.1 22.12S 179.11W 534–23 3.6,3.4
¶16155744

IDC Error ellipse: s-maj=17.8km s-min=12.6km az=137.0.
IDC V 14 17 40 36.1–25 23.61S 178.37E 653–234 3.6,3.4
¶16155747

IDC Error ellipse: s-maj=218.6km s-min=83.0km az=84.0.
IDC V 16 11 59 30.6–4.8 23.90S 177.43W 120–46 3.9,3.8
¶16155804

IDC Error ellipse: s-maj=33.2km s-min=24.7km az=165.0.
IDC V 17 23 30 00.0–9.8 25.84S 179.52W 494–106 3.5,3.4
¶16155859

IDC Error ellipse: s-maj=154.1km s-min=62.2km az=76.0.
IDC V 18 02 58 11.0–2.2 20.04S 177.22E 0 4.2,3.8
¶16155863

IDC Error ellipse: s-maj=136.7km s-min=29.8km az=156.0.
ISC V 18 20 23 25.9–.52 19.56S–.07 177.56E–.06 19–2 5.1b,4.2s 287 2-154
IDC V 18 20 23 23.0–.62 19.52S 177.48E 0 4.6,4.5 **¶12838171**
NEIC V 18 20 23 25.4–.23 19.56S 177.42E 19 5.1b,4.5
ISCJB V 18 20 23 26.2–3.1 19.57S–.06 177.42E–.06 33–22 4.9b,4.3s
BJI V 18 20 23 27.2 19.50S 177.30E 18 5.2b,5.0s
GCMT V 18 20 23 27.7–.20 19.31S 177.61E 18–1 5.1W,5.0s
MOS V 18 20 23 28.1–1.7 19.13S 177.38E 33 5.3b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=23.6km s-min=16.7km az=130.0.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=6.4km az=139.0. Felt at Vunisea.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=8.9km az=139.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c53; s88,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.14 $M_{\theta\theta}$-4.23±.13; $M_{\phi\phi}$4.19±.12; $M_{r\theta}$-0.55±.29; $M_{\theta\phi}$1.79±.11; $M_{\theta r}$1.66±.31; Best double couple: NP1:ϕ_s57.00000°,δ70.00000°,λ5.00000°. NP2:ϕ_s326.00000°,δ86.00000°,λ160.00000°. Principal axes: T 5.0200,Plg17.0000° ,Azm280.0000°; N -0.2700,Plg70.0000°,Azm134.0000°; P -4.7600,Plg11.0000° ,Azm13.0000° $M_0$4.90000×10^{16}
MOS Error ellipse: s-maj=14.9km s-min=11.1km az=149.3.
IDC V 18 20 51 35.8–3.2 20.11S 177.71E 0 3.7,3.5
¶16155885

IDC Error ellipse: s-maj=369.1km s-min=32.3km az=162.0.
ISC V 18 22 31 23.7–.68 19.55S–.10 176.83E–.09 44–4 4.8b,4.1s 104 2-153
IDC V 18 22 31 13.0–1.2 19.78S 177.60E 0 4.4,4.3 **¶12838174**
ISCJB V 18 22 31 22.3–.47 19.4S–.10 176.79E–.07 40 4.7b,4.1s
BJI V 18 22 31 22.3 19.67S 177.09E 59 5.1b,5.0s
NEIC V 18 22 31 23.8–1.5 19.39S 176.80E 44–12 5.0b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=53.4km s-min=19.5km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=8.0km az=164.5.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=6.8km az=160.0.
IDC V 19 13 00 30.6–3.0 19.71S 177.70E 0 4.1,3.8
¶16155907

IDC Error ellipse: s-maj=263.4km s-min=28.3km az=158.0.
IDC V 20 03 46 14.7–1.8 19.54S 177.63E 0 4.0,3.7
¶16155933

IDC Error ellipse: s-maj=166.3km s-min=30.4km az=159.0.
IDC V 20 09 17 04.0–1.3 19.37S 177.47E 0 4.2,4.1
¶13193047

IDC Error ellipse: s-maj=59.8km s-min=19.4km az=152.0.
ISC V 20 11 11 33.9–.73 19.4S–.20 177.6E–.10 27 4.2s,4.1b 44 2-148
IDC V 20 11 11 29.5–1.1 19.37S 177.58E 0 4.3,4.2 **¶13193050**
NEIC V 20 11 11 35.1–.65 19.06S 177.48E 35 4.8b,4.2
GCMT V 20 11 11 35.1–.30 19.36S 177.57E 16–1 5.0W,4.2
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=17.1km az=150.0.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=9.8km az=142.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s26,c31; s80,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}0.22±.16 $M_{\theta\theta}$-3.81±.15; $M_{\phi\phi}$3.59±.13; $M_{r\theta}$0.65±.37; $M_{\theta\phi}$1.71±.13; $M_{\theta r}$1.57±.41; Best double couple: NP1:ϕ_s325.00000°,δ72.00000°,λ168.00000°. NP2:ϕ_s59.00000°,δ78.00000°,λ18.00000°. Principal axes: T 4.6100,Plg21.0000° ,Azm283.0000°; N -0.4000,Plg69.0000°,Azm91.0000°; P -4.2100,Plg4.0000°,Azm192.0000° $M_0$4.40000×10^{16}
IDC V 20 17 34 57.2–1.6 19.37S 177.52E 0 4.0,3.8
¶13193054

IDC Error ellipse: s-maj=91.4km s-min=22.5km az=152.0.
ISC V 21 14 30 30.9–.45 22.28S–.05 178.92W–.05 446–4 4.5b 574 9-171
SZGRF V 21 14 29 39.4 23.52S 177.88W 33 4.5b **¶15154450**
ISCJB V 21 14 30 27.6–.88 22.28S–.05 178.98W–.04 420–9 4.5b
IDC V 21 14 30 29.8–.97 22.29S 179.02W 426–9 4.2,4.2
AUST V 21 14 30 29.6 22.05S 178.67W 450 4.2,4.2
BJI V 21 14 30 32.8 22.05S 179.22W 460 4.8b,4.6b
NEIC V 21 14 30 33.0–.56 22.24S 179.07W 466–6 4.5b,4.6b
BGS V 21 14 30 36.1–5.7 22.24S 179.07W 466 4.5b,4.6b
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.1km az=147.7.
IDC Error ellipse: s-maj=9.0km s-min=7.1km az=138.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.5km az=154.0.
BGS Error ellipse: s-maj=354.0km s-min=999.9km az=-1.0.
IDC V 21 17 22 37.4–1.8 25.03S 179.92E 475–17 3.8,3.7

¶13439740
IDC Error ellipse: s-maj=18.4km s-min=13.6km az=88.0.
IDC V 22 06 16 43.0–15 23.56S 179.33W 371–142 3.8,3.5
AUST V 22 06 17 49.9 23.95S 173.83E 600 3.8,3.5 ¶16156016
IDC Error ellipse: s-maj=73.1km s-min=24.7km az=63.0.
IDC V 22 06 39 16.4–57 22.42S 179.09W 0 4.0,3.8
¶16156017
IDC Error ellipse: s-maj=1038.0km s-min=147.5km az=85.0.
ISC V 23 02 59 27.4–.24 24.47S–.04 178.89E–.04 560–2 5.1b 855 6-174
ISCJB V 23 02 59 26.5–.52 24.48S–.03 178.85E–.04 558–6 5.0b ¶12854208
IDC V 23 02 59 27.0–.37 24.42S 178.84E 550–3 4.7,4.7
MOS V 23 02 59 26.6–1.3 24.29S 178.84E 550 5.2b,4.7
DJA V 23 02 59 27.7–2.2 24S–6.0 179E–11 562–20 5.8b,5.5b
BJI V 23 02 59 27.2 24.04S 178.86E 552 5.1b,5.1b
TEH V 23 02 59 28.0 24.37S 178.78E 561 5.1L,5.1b
NEIC V 23 02 59 28.0–.49 24.38S 178.85E 566–5 5.5W,5.1b
GCMT V 23 02 59 30.7–.20 24.40S 178.99E 561–1 5.5W,5.1b
SZGRF V 23 02 59 30.9 23.64S 179.48W 585 5.5W,5.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.7km az=11.3.
IDC Error ellipse: s-maj=7.0km s-min=6.4km az=44.0.
MOS Error ellipse: s-maj=9.8km s-min=8.7km az=38.4.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=173.0. Moment Tensor Solution.
s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-0.42 $M_{r\theta}$-0.84 $M_{\theta\phi}$-0.19 $M_{\phi r}$-1.72
Best double couple: NP1:ϕ_s321.00000°,δ7.00000°,λ23.00000°. NP2:ϕ_s208.00000°
,δ87.00000°,λ97.00000°. Principal axes: T 1.7400,Plg47.0000°,Azm124.0000°
; N 0.4000,Plg6.0000°,Azm27.0000°; P -2.1400,Plg41.0000°,Azm291.0000°
$M_0$2.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c94; Moment tensor:
Scale 10^{17}Nm; M_{rr}0.15±.04 $M_{\theta\theta}$0.05±.07; $M_{\phi\phi}$-0.19±.06; $M_{r\theta}$-1.07±.06; $M_{\theta\phi}$0.15±.05;
$M_{\phi r}$-1.60±.05; Best double couple: NP1:ϕ_s314.00000°,δ5.00000°,λ11.00000°. NP2:
ϕ_s213.00000°,δ89.00000°,λ95.00000°. Principal axes: T 2.0100,Plg46.0000°,Azm128.0000°
; N -0.1600,Plg5.0000°,Azm33.0000°; P -1.8500,Plg44.0000°,Azm298.0000°
$M_0$1.90000×10^{17}
SZGRF South of Fiji Islands.
IDC V 23 20 37 12.3–4.5 26.63S 178.30W 0 3.8,3.6
¶16156059
IDC Error ellipse: s-maj=176.8km s-min=47.0km az=147.0.
ISC V 24 02 31 59.4–.82 25.0S–.10 179.7E–.10 507 4.1b 25 13-148
IDC V 24 02 31 57.9–2.7 24.84S 179.80E 490–29 3.8,3.6b ¶16156079
ISCJB V 24 02 31 58.5–.81 24.94S–.09 179.8E–.10 507 4.0b,3.6b
ISC Event type ke.
ISCJB Event type ke.
IDC V 24 08 23 35.8–3.4 24.03S 179.92W 500–35 3.5,3.3
¶16156089
IDC Error ellipse: s-maj=34.6km s-min=21.9km az=22.0.
ISC V 25 05 37 42.4–.38 23.18S–.06 179.19E–.06 550 4.4b 176 6-170
ISCJB V 25 05 37 41.5–.28 23.13S–.05 179.15E–.06 550 4.5b ¶15155490
IDC V 25 05 37 42.0–1.4 23.09S 179.19E 545–14 3.9,3.9
BJI V 25 05 37 41.9 23.00S 179.20E 554 4.8b,4.5b
AUST V 25 05 37 42.2–.01 23.03S 179.45E 568–0 4.8b,4.5b
NEIC V 25 05 37 43.9–.64 23.03S 179.10E 568–7 4.6b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.2km az=43.1.
IDC Error ellipse: s-maj=13.0km s-min=11.5km az=103.0.
AUST Error ellipse: s-maj=1.4km s-min=1.2km az=270.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.1km az=137.0.
IDC V 27 03 46 44.5–13 22.60S 179.31W 384–126 3.9,3.8b
¶16156206
IDC Error ellipse: s-maj=89.4km s-min=28.7km az=39.0.
ISC V 27 13 14 08.7–.55 26.58S–.07 177.7W–.10 200 3.9b 71 3-167
AUST V 27 13 14 06.2–.02 26.27S 177.22W 194–0 3.9b ¶15155537
IDC V 27 13 14 07.2–1.5 26.27S 177.79W 176–13 4.0,4.0
NEIC V 27 13 14 07.8–1.1 26.31S 177.74W 183–9 4.5b,4.0
ISC Event type se.
AUST Error ellipse: s-maj=1.6km s-min=0.9km az=287.0.
IDC Error ellipse: s-maj=15.6km s-min=13.6km az=155.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.0km az=82.0.
ISC V 28 05 12 43.9–.37 24.08S–.05 179.79W–.05 536–3 4.5b 238 5-169
BJI V 28 05 12 41.8 24.29S 179.64W 541 4.9b,4.6b ¶15155549
ISCJB V 28 05 12 42.8–.54 23.99S–.05 179.91W–.05 528–7 4.4b,4.6b
IDC V 28 05 12 42.8–.95 23.91S 179.89W 518–9 3.9,3.8
NEIC V 28 05 12 43.8–.52 23.96S 179.86W 534–6 4.8b,3.8
AUST V 28 05 12 44.0–.01 23.78S 179.65W 548–0 4.8b,3.8
BGS V 28 05 12 47.5–3.3 23.96S 179.86W 534 4.8b,3.8
DJA V 28 05 12 54.7–5.8 24S–15 179E–57 637–37 4.7,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 28 23 18 00.6–63 20.11S 176.88E 0 4.2,4.1
¶16156288
IDC Error ellipse: s-maj=1104.0km s-min=141.1km az=80.0.
ISC V 28 23 34 02.8–.86 24.1S–.20 179.9W–.10 518 3.9b 14 11-148
IDC V 28 23 33 40.8–18 22.93S 179.76W 273–188 3.9,3.7 ¶15155559
ISCJB V 28 23 34 02.2–.66 24.1S–.20 180.0E–.10 518 4.0b,3.7
AUST V 28 23 34 04.8–11 23.67S 179.96W 535–1 4.0b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=107.2km s-min=29.1km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=24.3km s-min=9.8km az=159.0.
AUST Error ellipse: s-maj=6.5km s-min=2.3km az=340.0.
ISC V 29 07 47 56.9–.33 22.28S–.05 179.51W–.04 596–3 4.8b 403 5-171
ISCJB V 29 07 47 55.5–.53 22.27S–.05 179.58W–.03 590–7 4.8b ¶15155574
AUST V 29 07 47 55.6–.01 22.09S 179.39W 583–0 4.8b
BJI V 29 07 47 56.1 21.58S 179.13W 589 4.9b,4.8b
IDC V 29 07 47 56.8–.79 22.17S 179.61W 589–8 4.3,4.3
DJA V 29 07 47 57.6–.60 22S–11 179W–10 651–21 5.3b,5.3b
NEIC V 29 07 47 57.0–.49 22.23S 179.59W 596–6 4.7b,5.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.0km az=161.1.
AUST Error ellipse: s-maj=1.1km s-min=0.9km az=319.0.
IDC Error ellipse: s-maj=9.8km s-min=7.9km az=165.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=157.0.
IDC V 30 13 53 20.4–4.3 23.00S 179.53W 541–63 3.3,3.3
¶16066082
IDC Error ellipse: s-maj=72.8km s-min=23.5km az=171.0.
IDC V 30 20 58 31.8–12 24.20S 178.87W 501–61 3.4,3.3
¶16066091
IDC Error ellipse: s-maj=197.0km s-min=48.7km az=58.0.
IDC V 31 20 49 32.5–3.5 23.59S 180.00E 595–41 3.6,3.4
¶13439848
IDC Error ellipse: s-maj=31.6km s-min=22.2km az=159.0.
ISC VI 01 21 02 11.6–.48 23.72S–.08 179.97E–.10 535 4.1b 66 12-169
PRU VI 01 21 01 10.1 30.47S 175.79W 30 4.1b ¶13439861
ISCJB VI 01 21 02 11.0–.47 23.65S–.07 179.92E–.10 535 4.1b
IDC VI 01 21 02 11.4–1.3 23.65S 179.94E 527–14 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=8.5km az=19.4.
IDC Error ellipse: s-maj=12.7km s-min=10.6km az=134.0.
IDC VI 01 22 54 34.3–60 24.12S 176.30W 0 3.8,3.6
¶16066184
IDC Error ellipse: s-maj=1109.0km s-min=164.9km az=89.0.
IDC VI 02 02 46 27.0–2.2 22.08S 179.36W 572–23 3.5,3.3
¶13439870
IDC Error ellipse: s-maj=32.2km s-min=13.9km az=150.0.
IDC VI 02 18 41 48.7–24 24.80S 179.39E 531–220 3.4,3.3
¶16066238
IDC Error ellipse: s-maj=161.0km s-min=94.2km az=81.0.
IDC VI 02 21 34 25.4–24 23.86S 179.75W 582–236 3.3,3.2
¶16066246
IDC Error ellipse: s-maj=201.7km s-min=109.9km az=127.0.
IDC VI 02 21 41 05.7–3.3 25.66S 179.87E 490–37 3.6,3.5

¶16066247
IDC Error ellipse: s-maj=26.9km s-min=21.8km az=162.0.
IDC VI 03 02 33 48.4–63 19.74S 177.59E 0 4.0,3.8
¶16100879
IDC Error ellipse: s-maj=1114.0km s-min=146.3km az=80.0.
IDC VI 04 00 00 21.9–71 21.74S 178.03E 0 4.2,4.0
¶16100916
IDC Error ellipse: s-maj=1249.0km s-min=153.4km az=83.0.
IDC VI 04 15 04 38.6–1.9 26.02S 179.62E 485–24 3.8,3.6
¶16100952
IDC Error ellipse: s-maj=33.8km s-min=17.7km az=170.0.
IDC VI 05 16 45 08.5–26 23.95S 177.33W 0 4.1,3.9b
¶16100988
IDC Error ellipse: s-maj=505.5km s-min=138.3km az=93.0.
IDC VI 06 10 23 46.4–2.0 22.28S 179.61W 0 4.3,4.0
¶16101010
IDC Error ellipse: s-maj=154.7km s-min=32.3km az=159.0.
IDC VI 07 16 09 20.6–3.8 24.07S 179.20E 525–29 3.3,3.2
¶16101067
IDC Error ellipse: s-maj=55.4km s-min=18.4km az=49.0.
ISC VI 08 01 23 26.9–.41 23.71S–.06 179.95W–.07 532 4.5b 127 10-169
IDC VI 08 01 23 24.5–1.4 23.50S 179.82W 505–13 3.9,3.8 ¶15155901
ISCJB VI 08 01 23 26.2–.28 23.64S–.05 179.99E–.06 532 4.5b,3.8
NEIC VI 08 01 23 26.8–.94 23.60S 179.94W 533–11 4.5b,3.8
BJI VI 08 01 23 26.2 23.55S 179.82W 532 4.9b,4.6b
AUST VI 08 01 23 30.0–60 23.53S 179.79W 587–4 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=13.2km az=17.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.6km az=136.9.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.4km az=123.0.
AUST Error ellipse: s-maj=14.4km s-min=3.4km az=262.0.
ISC VI 08 04 33 18.6–.23 22.24S–.03 179.47W–.03 608–2 5.2b 1462 5-175
AUST VI 08 04 33 17.5–.01 22.12S 179.40W 589–0 5.2b ¶15155911
IDC VI 08 04 33 17.4–.58 22.15S 179.51W 589–5 4.7,4.7
MOS VI 08 04 33 17.4–.80 22.13S 179.59W 597 5.2b,4.7
ISCJB VI 08 04 33 17.1–.36 22.29S–.03 179.58W–.03 599–5 5.2b,4.7
BJI VI 08 04 33 18.7 21.75S 179.36W 608 5.2b,5.0b
DJA VI 08 04 33 18.8–.50 22S–5.0 179W–4.0 604–8 5.7b,5.6b
NEIC VI 08 04 33 19.1–.10 22.23S 179.61W 612 5.5W,5.2b
GCMT VI 08 04 33 21.8–.20 22.20S 179.43W 608–1 5.5W,5.2b
BGS VI 08 04 33 22.2–5.4 22.23S 179.61W 612 5.2b,5.2b
ISC Event type se.
AUST Error ellipse: s-maj=0.9km s-min=0.8km az=310.0.
IDC Error ellipse: s-maj=7.8km s-min=7.0km az=152.0.
MOS Error ellipse: s-maj=8.6km s-min=7.4km az=64.2.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.3km az=150.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.4km az=146.0. Moment Tensor Solution.
s14 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56 $M_{\theta\theta}$0.59 $M_{\phi\phi}$-0.03 $M_{r\theta}$-0.67 $M_{\theta\phi}$-1.02 $M_{\phi r}$-1.86
Best double couple: NP1:ϕ_s359.00000°,δ83.00000°,λ-59.00000°. NP2:ϕ_s100.00000°
,δ32.00000°,λ-166.00000°. Principal axes: T 1.7200,Plg30.0000°,Azm63.0000°
; N 0.8800,Plg30.0000°,Azm174.0000°; P -2.6100,Plg43.0000°,Azm298.0000°
$M_0$2.30000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s83,c131;
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.27±.04 $M_{\theta\theta}$-0.15±.06; $M_{\phi\phi}$0.42±.06; $M_{r\theta}$-0.07±.06;
$M_{\theta\phi}$-0.58±.05; $M_{\phi r}$-2.14±.05; Best double couple: NP1:ϕ_s107.00000°,δ16.00000°
,λ-165.00000°. NP2:ϕ_s2.00000°,δ86.00000°,λ-75.00000°. Principal axes:
T 2.3100,Plg39.0000°,Azm78.0000°; N -0.1200,Plg15.0000°,Azm181.0000°
; P -2.1900,Plg47.0000°,Azm288.0000° $M_0$2.30000×10^{17}
BGS Error ellipse: s-maj=467.4km s-min=999.9km az=-1.0.
IDC VI 09 10 09 12.2–5.3 25.05S 179.80E 528–65 3.3,3.1
¶16101143
IDC Error ellipse: s-maj=33.7km s-min=26.9km az=18.0.
IDC VI 09 15 35 51.2–58 19.53S 179.20E 0 4.2,4.0
¶16101155
IDC Error ellipse: s-maj=1039.0km s-min=154.7km az=80.0.
ISC VI 11 03 37 52.4–.33 24.19S–.05 176.81W–.05 110–2 4.9b 508 5-169
MOS VI 11 03 37 43.4–.94 24.00S 176.86W 36 5.3b,4.5s ¶15156022
DJA VI 11 03 37 47.6–1.4 24S–7.0 177W–6.0 49–16 6.2b,5.9
AUST VI 11 03 37 48.3–.67 24.01S 176.57W 77–0 6.2b,5.9
IDC VI 11 03 37 49.5–1.7 24.08S 176.78W 81–14 4.7,4.7
ISCJB VI 11 03 37 50.1–.18 24.50S–.03 176.79W–.04 106 5.0b,4.7
NEIC VI 11 03 37 52.1–.16 24.20S 176.87W 106 5.0b,4.7
BJI VI 11 03 37 54.6 23.68S 177.25W 110 5.3b,5.1b
GCMT VI 11 03 37 55.4–.10 24.19S 176.40W 119–0 5.5W,5.1b
ISC Event type se.
MOS Error ellipse: s-maj=11.7km s-min=8.9km az=47.1.
AUST Error ellipse: s-maj=1.3km s-min=0.9km az=288.0.
IDC Error ellipse: s-maj=13.4km s-min=11.4km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.7km az=30.7.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.4km az=139.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 114 sta. Moment Tensor
Solution. s95,c175; s99,c227; Moment tensor: Scale 10^{17}Nm; M_{rr}0.84±.02 $M_{\theta\theta}$-2.08±.03;
$M_{\phi\phi}$1.25±.03; $M_{r\theta}$-0.10±.02; $M_{\theta\phi}$0.23±.03; $M_{\phi r}$1.22±.02; Best double couple: NP1:ϕ_s57.00000°
,δ60.00000°,λ28.00000°. NP2:ϕ_s312.00000°,δ66.00000°,λ146.00000°. Principal axes:
T 2.2800,Plg40.0000°,Azm272.0000°; N -0.1700,Plg50.0000°,Azm100.0000°
; P -2.1100,Plg4.0000°,Azm5.0000° $M_0$2.20000×10^{17}
ISC VI 11 08 08 06.8–.69 23.8S–.10 179.8W–.10 518 3.9b 35 12-169
ISCJB VI 11 08 08 05.7–.64 23.66S–.08 179.8W–.10 518 3.9b ¶15156029
AUST VI 11 08 08 11.3 23.62S 179.63W 600 3.9b
IDC VI 11 08 08 11.1–4.4 23.81S 179.95W 564–47 3.6,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=10.3km az=29.0.
IDC Error ellipse: s-maj=28.6km s-min=19.6km az=37.0.
IDC VI 11 11 55 27.5–1.0 24.22S 176.72W 111–6 4.0,3.8
¶16101204
IDC Error ellipse: s-maj=41.2km s-min=16.4km az=153.0.
ISC VI 11 12 08 17.0–.42 22.31S–.09 176.97W–.08 179 4.7b 125 7-171
ISCJB VI 11 12 08 15.5–.34 22.39S–.07 177.00W–.07 179 4.5b ¶15156031
AUST VI 11 12 08 16.5 22.36S 176.48W 200 4.5b
IDC VI 11 12 08 16.3–2.0 22.17S 177.18W 169–16 4.2,4.0
NEIC VI 11 12 08 17.4–1.5 22.41S 176.93W 186–12 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.2km az=142.3.
IDC Error ellipse: s-maj=22.2km s-min=13.7km az=134.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.7km az=131.0.
IDC VI 12 21 50 02.4–56 20.49S 179.85E 0 4.3,4.1
¶16101256
IDC Error ellipse: s-maj=1004.0km s-min=147.5km az=82.0.
IDC VI 13 07 00 55.8–2.7 21.35S 179.83E 0 4.2,3.9
¶16101270
IDC Error ellipse: s-maj=274.7km s-min=31.3km az=162.0.
ISC VI 14 07 16 49.9–.59 24.0S–.10 179.4E–.10 537 3.8b 33 13-169
IDC VI 14 07 16 48.5–2.6 23.94S 179.31E 515–27 3.7,3.5 ¶15156101
ISCJB VI 14 07 16 49.4–.65 24.0S–.10 179.3E–.10 537 3.7b,3.5
AUST VI 14 07 16 51.0–.04 23.86S 179.70E 581–0 3.7b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=15.9km az=144.0.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=12.1km az=154.5.
AUST Error ellipse: s-maj=5.3km s-min=1.7km az=302.0.
ISC VI 14 08 20 29.7–.50 24.75S–.06 176.73W–.07 104–3 4.7b 210 5-168
IDC VI 14 08 20 16.2–.49 24.57S 176.56W 0 4.9L,4.8 ¶15156095
AUST VI 14 08 20 25.8 24.28S 175.72W 100 4.9L,4.8
NEIC VI 14 08 20 25.7–.95 24.73S 176.67W 69–8 4.9b,4.8
ISCJB VI 14 08 20 28.4–.26 24.64S–.07 176.78W–.05 101 4.7b,4.8
BJI VI 14 08 20 28.4 24.43S 176.13W 104 5.4b,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=15.3km az=138.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.5km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=5.9km az=157.0.
ISC VI 15 13 45 34.9–.38 26.13S–.05 177.08W–.07 98 4.6b 141 3-167
ISCJB VI 15 13 45 33.8–.29 26.21S–.05 177.20W–.06 98 4.7b ¶15156129

AUST VI 15 13 45 33.7 25.38S 176.70W 100 4.7b
IDC VI 15 13 45 35.0–3.3 25.99S 177.23W 94–29 4.4,4.3
BJI VI 15 13 45 35.3 25.89S 177.00W 112 5.2b,5.1b
NEIC VI 15 13 45 36.3–1.0 26.19S 177.28W 112–9 4.7b,5.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.4km az=35.1.
IDC Error ellipse: s-maj=18.7km s-min=18.3km az=67.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.1km az=103.0.
ISC VI 16 04 30 58.2–.53 22.97S–.08 176.86W–.08 175–3 4.5b 227 7-170
SZGRF VI 16 04 30 42.1 22.52S 175.17W 33 4.5b **¶15156156**
IDC VI 16 04 30 52.2–4.2 22.99S 176.72W 121–36 4.5,4.3
NEIC VI 16 04 30 54.6–1.2 23.07S 176.75W 145–10 4.6b,4.3
AUST VI 16 04 30 54.1 22.80S 175.89W 200 4.6b,4.3
BJI VI 16 04 30 56.6 23.10S 176.80W 174 4.9b,4.8b
ISC Event type se.
SZGRF Tonga Islands region.
IDC Error ellipse: s-maj=15.9km s-min=13.7km az=150.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.1km az=151.0.
IDC VI 17 00 41 57.4–1.3 21.14S 178.02E 0 3.8,3.7
¶16101420
IDC Error ellipse: s-maj=43.3km s-min=30.5km az=152.0.
IDC VI 17 01 25 15.5–10 22.18S 179.76W 622–96 3.4,3.3
¶16101422
IDC Error ellipse: s-maj=96.9km s-min=35.1km az=111.0.
IDC VI 17 14 04 16.6–73 23.18S 177.87W 0 4.0,3.8
¶16101438
IDC Error ellipse: s-maj=1337.0km s-min=185.3km az=87.0.
IDC VI 17 14 55 48.7–16 23.58S 179.68W 377–124 3.3,3.2
¶16101439
IDC Error ellipse: s-maj=165.2km s-min=22.9km az=44.0.
ISC VI 18 09 08 16.3–.59 23.80S–.08 179.93W–.09 518 4.1b 44 10-169
ISCJB VI 18 09 08 15.0–.65 23.68S–.06 180.0W–.10 518 3.9b **¶15156199**
IDC VI 18 09 08 14.1–1.8 23.51S 179.84W 498–19 3.7,3.6
AUST VI 18 09 08 16.0–1.4 23.52S 179.13W 594–0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=7.3km az=170.4.
IDC Error ellipse: s-maj=16.1km s-min=14.7km az=60.0.
AUST Error ellipse: s-maj=2.1km s-min=1.3km az=314.0.
ISC VI 18 20 53 13.7–.60 25.58S–.07 176.1W–.10 31 4.2b,4.0s 47 4-167
IDC VI 18 20 53 09.0–.98 25.62S 176.11W 0 5.2L,4.3 **¶13383508**
ISCJB VI 18 20 53 12.5–.61 25.59S–.06 176.3W–.10 31 4.2b,3.9s
NEIC VI 18 20 53 14.3–1.2 25.60S 176.26W 35–9 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=21.5km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=7.8km az=5.8.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.5km az=78.0.
IDC VI 18 21 07 04.3–1.8 25.54S 176.98W 0 4.4L,4.2
¶13598675
IDC Error ellipse: s-maj=49.3km s-min=24.8km az=103.0.
IDC VI 21 00 13 31.2–2.8 23.08S 179.79W 0 4.2,3.9
¶16101550
IDC Error ellipse: s-maj=253.3km s-min=31.8km az=164.0.
IDC VI 21 20 44 19.9–3.1 25.95S 179.64E 515–40 3.5,3.3
¶13383536
IDC Error ellipse: s-maj=57.1km s-min=18.5km az=149.0.
IDC VI 22 03 50 41.6–8.1 24.84S 179.95W 505–81 3.5,3.3
¶13383539
IDC Error ellipse: s-maj=43.7km s-min=39.4km az=49.0.
IDC VI 22 07 38 11.2–1.2 22.41S 179.34W 562–12 3.8,3.8
¶16101600
IDC Error ellipse: s-maj=14.8km s-min=10.9km az=147.0.
ISC VI 22 10 20 01.5–.46 25.59S–.06 176.1W–.10 31 4.3b,4.1s 73 4-167
IDC VI 22 10 19 57.1–.55 25.47S 176.15W 0 4.5,4.4 **¶13383540**
ISCJB VI 22 10 20 00.6–.48 25.60S–.05 176.3W–.10 31 4.3b,4.0s
NEIC VI 22 10 20 02.2–.41 25.51S 176.11W 35 4.7b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=15.6km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=7.4km az=12.7.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.6km az=110.0.
IDC VI 22 11 53 06.6–1.2 25.49S 179.60E 517–13 3.7,3.5
¶13383542
IDC Error ellipse: s-maj=16.9km s-min=12.1km az=7.0.
ISC VI 22 18 19 36.1–.63 23.95S–.08 179.9W–.10 518 4.1b 36 14-169
IDC VI 22 18 19 34.7–2.3 23.70S 179.80W 506–21 3.8,3.6 **¶16101618**
ISCJB VI 22 18 19 35.1–.82 23.84S–.06 179.9W–.20 518 4.0b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VI 22 22 24 11.0–.29 23.88S–.04 179.97E–.04 528–2 5.0b 763 6-169
BJI VI 22 22 24 09.3 23.90S 179.90E 514 5.0b,5.0b **¶13217755**
DJA VI 22 22 24 09.3–.80 24S–9.0 180E–7.0 520–12 5.6b,5.4b
ISCJB VI 22 22 24 10.8–.40 23.96S–.02 179.93E–.03 535–5 5.1b,5.4b
MOS VI 22 22 24 11.2–1.2 23.80S 179.92E 532 5.0b,5.4b
IDC VI 22 22 24 11.8–.46 23.85S 179.92E 532–4 4.6,4.6
NEIC VI 22 22 24 12.3–.49 23.90S 179.94E 542–6 5.1b,4.6
SZGRF VI 22 22 24 13.6 23.87S 179.12W 561 5.1b,4.6
BGS VI 22 22 24 16.1–3.7 23.90S 179.94E 542 5.1b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.5km az=23.4.
MOS Error ellipse: s-maj=10.0km s-min=8.8km az=48.8.
IDC Error ellipse: s-maj=7.8km s-min=6.9km az=161.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.3km az=155.0.
SZGRF South of Fiji Islands.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC VI 23 21 19 45.8–56 23.01S 179.64W 0 4.3,4.1b
¶16101668
IDC Error ellipse: s-maj=1014.0km s-min=155.5km az=86.0.
IDC VI 24 07 09 15.8–66 21.01S 179.69E 0 3.7,3.6
¶16101683
IDC Error ellipse: s-maj=1184.0km s-min=150.3km az=83.0.
IDC VI 24 18 36 26.4–13 22.28S 176.77W 274–110 3.7,3.7b
¶16101702
IDC Error ellipse: s-maj=69.3km s-min=33.5km az=57.0.
IDC VI 25 05 09 01.4–7.9 23.51S 177.71W 311–73 3.7,3.5
¶16101707
IDC Error ellipse: s-maj=31.5km s-min=25.4km az=67.0.
IDC VI 26 06 23 07.2–6.3 23.36S 178.20W 0 4.3,4.1
¶16101738
IDC Error ellipse: s-maj=162.7km s-min=97.2km az=140.0.
IDC VI 27 20 35 16.1–28 23.86S 179.39E 581–264 2.9,2.7
¶16101797
IDC Error ellipse: s-maj=232.2km s-min=53.5km az=113.0.
IDC VI 28 06 15 36.9–15 24.22S 179.22E 638–201 3.3,3.1
¶16101814
IDC Error ellipse: s-maj=88.6km s-min=74.4km az=142.0.
ISC VI 28 07 47 03.8–.43 25.44S–.06 179.60E–.08 507 4.3b 107 4-168
BJI VI 28 07 47 02.3 25.70S 179.38E 491 4.7b,4.5b **¶13307191**
ISCJB VI 28 07 47 03.3–.26 25.46S–.03 179.53E–.06 507 4.2b,4.5b
NEIC VI 28 07 47 03.3–.62 25.41S 179.57E 498–7 4.5b,4.5b
IDC VI 28 07 47 03.7–1.1 25.31S 179.59E 502–11 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.5km az=9.1.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.9km az=136.0.
IDC Error ellipse: s-maj=13.4km s-min=10.9km az=177.0.
IDC VI 29 01 54 13.8–1.6 23.28S 179.97W 534–16 3.7,3.5
¶16101846
IDC Error ellipse: s-maj=21.0km s-min=12.9km az=164.0.
ISC VI 29 17 21 46.6–.35 23.61S–.06 176.62W–.07 86 4.7b 166 6-169
SZGRF VI 29 17 21 25.1 25.53S 175.14W 33 4.7b **¶13307337**
IDC VI 29 17 21 43.6–2.4 23.61S 176.60W 59–20 4.9L,4.5
ISCJB VI 29 17 21 45.4–.26 23.72S–.07 176.72W–.06 86 4.6b,4.5
NEIC VI 29 17 21 48.6–1.6 23.72S 176.69W 104–13 4.7b,4.5
BJI VI 29 17 21 49.9 23.70S 176.70W 115 4.9b,4.8b
ISC Event type se.
SZGRF South of Tonga Islands.
IDC Error ellipse: s-maj=14.3km s-min=13.5km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.4km az=149.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.0km az=133.0.
IDC VI 30 14 25 35.8–17 24.24S 179.79E 534–204 3.3,3.1
¶16101895
IDC Error ellipse: s-maj=63.4km s-min=34.2km az=79.0.

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ISC I 01 00 51 32.7–.60 15.4S–.10 173.13W–.10 29 3.8b 28 9-146
IDC I 01 00 51 28.7–.81 15.31S 173.14W 0 4.7L,4.3 **¶11625141**
ISCJB I 01 00 51 30.8–.55 15.4S–.10 173.17W–.09 29 4.0s,3.9b
NEIC I 01 00 51 33.5–.38 15.43S 173.14W 35 4.0b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=34.8km s-min=19.8km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=11.2km az=158.9.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.4km az=159.0.
ISC I 02 08 51 35.1–.52 19.30S–.06 174.90W–.05 154–4 4.8b 662 7-173
MOS I 02 08 51 22.6–1.0 18.99S 174.83W 38 5.2b **¶11528171**
IDC I 02 08 51 24.7–3.0 19.16S 174.80W 59–26 5.7L,4.8
ISCJB I 02 08 51 33.6–.14 19.25S–.04 174.91W–.04 150 4.7b,4.8
NEIC I 02 08 51 34.8–1.6 19.19S 174.91W 150–14 4.8b,4.8
BJI I 02 08 51 34.2 19.30S 174.90W 155 5.0b,4.9b
ISC Event type fe.
MOS Error ellipse: s-maj=12.6km s-min=9.8km az=153.9.
IDC Error ellipse: s-maj=15.9km s-min=11.7km az=168.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.7km az=147.1.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=6.0km az=149.0. Felt at Neiafu and Pangai.
IDC I 03 19 11 11.4–26 17.45S 175.09W 0 4.2,4.1
¶12079923
IDC Error ellipse: s-maj=475.0km s-min=152.6km az=72.0.
IDC I 04 22 06 01.9–4.4 17.57S 173.30W 0 4.2,3.9b
¶12080296
IDC Error ellipse: s-maj=204.8km s-min=37.4km az=141.0.
ISC I 06 08 12 51.3–1.2 16.4S–.20 173.1W–.30 32 4.0b 9 3-75
IDC I 06 08 12 47.2–1.4 16.74S 172.33W 0 4.1,3.9b **¶12080481**
NEIC I 06 08 12 49.2–.87 16.60S 172.44W 10 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=50.7km s-min=22.6km az=129.0.
NEIC Event type se. Error ellipse: s-maj=30.1km s-min=11.6km az=120.0.
ISC I 06 09 21 27.0–.41 15.35S–.08 174.63W–.06 271–3 4.6b 200 3-176
SZGRF I 06 09 20 58.6 16.08S 175.85W 285 4.6b **¶11532503**
ISCJB I 06 09 21 25.9–.28 15.34S–.07 174.98W–.06 259 4.5b
IDC I 06 09 21 25.6–.53 15.31S 174.83W 250–5 4.1,4.1
NEIC I 06 09 21 25.3–.73 15.32S 174.90W 245–7 4.6b,4.1
BJI I 06 09 21 27.3 15.40S 175.00W 280 4.9b,4.5b
ISC Event type se.
SZGRF Tonga Islands.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.9km az=144.1.
IDC Error ellipse: s-maj=13.3km s-min=8.0km az=143.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.1km az=150.0.
IDC I 06 15 45 33.6–2.9 15.64S 175.44W 256–101 3.4,3.1b
¶12080522
IDC Error ellipse: s-maj=352.7km s-min=26.7km az=142.0.
ISC I 07 00 09 00.2–.43 16.23S–.10 173.0W–.10 26 4.7b,4.3s 359 3-174
IDC I 07 00 08 56.0–.69 16.18S 172.96W 0 4.6,4.4 **¶11534040**
ISCJB I 07 00 08 58.7–.22 16.17S–.08 173.15W–.06 26 4.7b,4.3s
NEIC I 07 00 09 06.9–1.4 16.18S 173.17W 81–12 4.6b,4.3s
BJI I 07 00 09 12.2 16.20S 173.20W 140 5.1b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=16.8km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=5.4km az=147.2.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.8km az=134.0.
ISC I 08 18 04 56.5–.65 21.1S–.10 174.2W–.20 26 4.2b,3.9s 47 7-152
IDC I 08 18 04 53.4–.77 20.67S 174.37W 0 4.4,4.2 **¶11659099**
NEIC I 08 18 04 57.6–.46 21.05S 174.18W 35 4.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=19.6km az=139.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=11.2km az=126.0.
IDC I 09 03 02 38.2–3.4 17.46S 175.56W 0 4.5,4.4b
¶12080796
IDC Error ellipse: s-maj=183.9km s-min=31.7km az=145.0.
IDC I 09 13 03 25.1–26 20.35S 173.09W 0 4.4,4.2b
¶12080842
IDC Error ellipse: s-maj=486.9km s-min=149.4km az=75.0.
IDC I 09 16 06 27.1–2.9 15.04S 173.39W 0 3.9,3.6b
¶12080853
IDC Error ellipse: s-maj=158.7km s-min=19.9km az=148.0.
ISC I 10 00 37 39.7–.81 21.1S–.30 173.41W–.09 46 4.0b 12 13-152
IDC I 10 00 37 37.1–1.1 21.07S 173.94W 0 4.8L,4.4 **¶11659103**
ISC Event type ke.
IDC Error ellipse: s-maj=54.1km s-min=20.2km az=155.0.
IDC I 10 11 47 01.7–1.5 19.63S 174.09W 0 4.2,4.0
¶12080938
IDC Error ellipse: s-maj=73.4km s-min=20.7km az=141.0.
ISC I 10 22 34 13.8–.79 15.5S–.30 174.5W–.20 200 4.2b 60 3-155
SZGRF I 10 22 33 54.4 15.71S 173.90W 33 4.2b **¶12080990**
IDC I 10 22 34 12.0–1.3 15.33S 174.72W 173–13 4.1,4.0
NEIC I 10 22 34 12.4–.81 15.40S 174.69W 178–8 4.3b,4.0
ISCJB I 10 22 34 13.3–.64 15.4S–.20 174.7W–.20 200 4.1b,4.0
ISC Event type se.
SZGRF Tonga Islands.
NEIC Event type se.
ISCJB Event type se.
IDC I 11 00 22 39.8–8.3 18.01S 174.01W 0 4.2,3.9b
¶12080995
IDC Error ellipse: s-maj=366.1km s-min=35.6km az=141.0.
IDC I 12 14 31 35.7–31 15.18S 174.28W 0 4.4,4.2b
¶12081113
IDC Error ellipse: s-maj=611.2km s-min=147.8km az=85.0.
ISC I 12 19 05 41.9–.99 16.3S–.30 176.0W–.20 364 4.8b 22 5-147
ISCJB I 12 19 05 40.9–.83 16.3S–.20 176.0W–.20 364 4.5b **¶12081131**
IDC I 12 19 05 42.3–1.8 16.26S 176.01W 364–20 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.5km s-min=13.0km az=146.3.
IDC Error ellipse: s-maj=60.7km s-min=15.3km az=146.0.
ISC I 13 07 50 07.5–.59 18.50S–.07 175.04W–.06 255–5 4.5b 403 6-174
SZGRF I 13 07 49 30.3 18.64S 173.98W 33 4.5b **¶11594601**
BJI I 13 07 50 01.9 18.20S 175.20W 205 5.1b,4.8b
NEIC I 13 07 50 03.5–1.0 18.24S 175.18W 214–9 4.5b,4.8b
IDC I 13 07 50 08.1–.67 18.45S 175.13W 259–5 4.2,4.2
ISC Event type se.
SZGRF Tonga Islands.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.4km az=145.0.
IDC Error ellipse: s-maj=15.2km s-min=9.3km az=150.0.
ISC I 13 17 52 24.8–1.5 15.1S–.60 173.9W–.30 73 4.1b 25 2-146
ISCJB I 13 17 52 22.6–1.3 15.3S–.50 173.9W–.30 73 4.0b **¶12081203**
NEIC I 13 17 52 24.8–1.2 15.36S 173.82W 81–10 4.4b
IDC I 13 17 52 25.1–2.9 15.35S 173.81W 82–25 4.2,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=83.1km s-min=8.5km az=151.6.
NEIC Event type se. Error ellipse: s-maj=54.3km s-min=8.2km az=150.0.
IDC Error ellipse: s-maj=89.9km s-min=17.5km az=150.0.
IDC I 14 18 35 39.6–1.8 15.15S 174.30W 0 4.0,3.9
¶12081284
IDC Error ellipse: s-maj=128.5km s-min=27.3km az=153.0.
ISC I 15 05 18 32.8–.83 16.5S–.20 173.8W–.10 113–6 4.2b 76 3-175
NEIC I 15 05 18 27.8–1.1 16.50S 173.80W 69–9 4.9b **¶11598107**
IDC I 15 05 18 32.9–.91 16.53S 173.81W 111–6 4.0,3.8

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=7.0km az=138.0.
IDC Error ellipse: s-maj=37.8km s-min=15.2km az=147.0.
ISC I 15 07 33 48.8–.56 20.8S–.10 173.9W–.10 26 4.6b 80 7-153
IDC I 15 07 33 44.8–.65 20.82S 173.85W 0 5.8,5.6s **¶11594707**
ISCJB I 15 07 33 47.0–.44 20.8S–.10 174.0W–.10 26 5.8s,4.7b
NEIC I 15 07 33 49.7–.47 20.93S 173.74W 35 4.9b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=17.8km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=9.7km az=138.8.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=11.5km az=147.0.
ISC I 15 15 44 57.6–.52 21.1S–.10 174.1W–.10 26 4.8b 133 7-171
NEIC I 15 15 44 52.9–.40 22.15S 173.64W 10 5.0b **¶12081347**
IDC I 15 15 44 53.8–.68 21.49S 174.00W 0 4.7,4.5
ISCJB I 15 15 44 56.0–.40 21.6S–.10 174.06W–.08 26 4.7b,4.5
MOS I 15 15 45 07.6–1.2 20.50S 175.61W 33 5.2b,4.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=8.4km az=170.0.
IDC Error ellipse: s-maj=28.3km s-min=16.3km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=7.4km az=153.1.
MOS Error ellipse: s-maj=27.0km s-min=15.7km az=6.2.
ISC I 16 12 01 43.4–.53 20.54S–.08 173.35W–.09 21 4.5b 57 7-171
IDC I 16 12 01 39.3–.80 20.93S 173.88W 0 4.6,4.4 **¶12081435**
NEIC I 16 12 01 41.0–.60 20.83S 173.80W 10 4.7b,4.4
SZGRF I 16 12 01 42.5 22.07S 173.35W 33 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=19.0km az=150.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=13.2km az=147.0.
SZGRF Tonga Islands region.
IDC I 16 18 32 23.1–29 17.90S 175.00W 0 4.0,3.8b
¶12081465

IDC Error ellipse: s-maj=573.8km s-min=162.7km az=87.0.
IDC I 17 20 17 51.4–1.9 15.19S 173.38W 0 4.1,3.8
¶12081567

IDC Error ellipse: s-maj=111.0km s-min=20.4km az=148.0.
IDC I 18 02 36 42.2–6.0 16.38S 175.92W 381–66 3.4,3.2
¶12081593

IDC Error ellipse: s-maj=86.1km s-min=21.1km az=152.0.
IDC I 18 08 47 55.7–7.8 19.68S 175.97W 0 3.9,3.6b
¶12081627

IDC Error ellipse: s-maj=343.1km s-min=37.0km az=144.0.
NEIC I 18 20 40 55.1–1.9 16.54S 175.06W 47–29 5.1b
IDC I 18 20 40 51.5–49 16.58S 175.32W 0 4.2,4.0b **¶12081670**
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=9.4km az=212.0.
IDC Error ellipse: s-maj=931.6km s-min=162.4km az=79.0.
IDC I 19 10 05 33.0–49 16.23S 175.70W 0 3.8,3.7b
¶12081741

IDC Error ellipse: s-maj=931.9km s-min=168.6km az=78.0.
IDC I 19 20 33 54.9–1.9 15.19S 173.49W 0 4.1,3.9
¶12081797

IDC Error ellipse: s-maj=113.9km s-min=19.5km az=151.0.
IDC I 19 21 02 15.2–.84 15.10S 173.63W 0 4.1,3.9
¶12081799

IDC Error ellipse: s-maj=45.5km s-min=17.6km az=143.0.
IDC I 19 21 34 06.0–7.2 18.74S 173.48W 0 4.0,3.7b
¶12081803

IDC Error ellipse: s-maj=308.3km s-min=38.8km az=142.0.
ISC I 20 05 58 02.0–.69 17.8S–.10 175.0W–.10 228 4.4b 46 5-174
ISCJB I 20 05 58 00.7–.62 17.8S–.10 175.1W–.10 228 4.3b **¶12081838**
IDC I 20 05 58 03.9–2.5 17.97S 174.98W 247–20 4.0,3.9b
NEIC I 20 05 58 05.2–1.2 17.90S 174.96W 264–10 4.5b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=7.9km az=135.9.
IDC Error ellipse: s-maj=49.9km s-min=14.1km az=145.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=9.7km az=143.0.
ISC I 20 17 25 41.7–1.9 21.7S–.20 174.2W–.30 30 4.5b 14 8-85
ISCJB I 20 17 25 39.8–1.7 21.7S–.20 174.3W–.30 30 4.5b **¶12081884**
IDC I 20 17 25 41.7–17 21.43S 174.87W 0 4.5,4.3b
NEIC I 20 17 25 42.4–1.5 21.65S 174.26W 35 4.8b,4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.8km s-min=21.1km az=17.5.
IDC Error ellipse: s-maj=326.9km s-min=141.6km az=80.0.
NEIC Event type se. Error ellipse: s-maj=34.0km s-min=19.3km az=108.0.
IDC I 22 14 20 40.4–1.2 16.45S 175.33W 299–12 4.0,3.8b
¶12082059

IDC Error ellipse: s-maj=24.5km s-min=10.0km az=142.0.
IDC I 22 19 34 55.6–8.6 15.40S 173.24W 0 3.9,3.7
¶12082074

IDC Error ellipse: s-maj=456.9km s-min=27.2km az=144.0.
IDC I 23 03 27 02.2–4.2 19.34S 173.03W 0 4.5,4.3b
¶12082096

IDC Error ellipse: s-maj=170.7km s-min=36.1km az=141.0.
IDC I 23 03 39 22.9–26 19.63S 173.85W 0 4.3,4.2b
¶12082097

IDC Error ellipse: s-maj=490.2km s-min=154.1km az=74.0.
ISC I 23 05 21 47.8–1.0 17.6S–.20 175.0W–.20 256 4.5b 25 5-147
IDC I 23 05 21 46.7–3.4 17.95S 175.09W 223–30 4.3b,4.3 **¶12082102**
ISCJB I 23 05 21 47.1–.64 17.5S–.10 175.2W–.10 256 4.4b,4.3
NEIC I 23 05 21 47.4–1.2 17.73S 175.21W 230–17 4.4b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=114.5km s-min=25.3km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=24.3km s-min=8.4km az=139.7.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=15.4km az=154.0.
IDC I 24 18 24 11.9–15 17.29S 173.10W 0 4.5,4.4b
¶12082241

IDC Error ellipse: s-maj=301.2km s-min=154.1km az=79.0.
IDC I 25 01 11 27.4–3.8 17.41S 174.47W 103–38 4.0,3.9b
¶12082267

IDC Error ellipse: s-maj=38.6km s-min=25.0km az=144.0.
IDC I 25 08 54 07.6–52 17.14S 174.15W 0 4.2,4.0b
¶12082296

IDC Error ellipse: s-maj=992.0km s-min=174.0km az=80.0.
NEIC I 25 11 18 16.5–1.5 18.42S 174.48W 42–14 4.6b
IDC I 25 11 18 18.0–3.5 18.22S 174.62W 48–33 4.0,3.8 **¶12082299**
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=8.7km az=137.0.
IDC Error ellipse: s-maj=47.1km s-min=17.3km az=139.0.
IDC I 25 13 58 23.0–5.4 21.65S 175.57W 0 4.3,4.1b
¶11671812

IDC Error ellipse: s-maj=203.3km s-min=48.2km az=139.0.
IDC I 25 16 04 36.8–1.9 16.25S 174.70W 278–19 3.9,3.7b
¶12082317

IDC Error ellipse: s-maj=58.5km s-min=14.2km az=142.0.
IDC I 26 01 51 57.4–25 19.13S 173.46W 0 4.4,4.3b
¶12082340

IDC Error ellipse: s-maj=463.7km s-min=159.3km az=73.0.
ISC I 26 07 11 13.1–.65 17.5S–.10 173.0W–.20 28 4.4b 38 4-173
IDC I 26 07 11 08.0–.83 17.92S 172.90W 0 4.4,4.3 **¶12082359**
NEIC I 26 07 11 10.2–.56 17.75S 173.00W 10 4.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=40.0km s-min=18.3km az=146.0.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=10.4km az=134.0.
ISC I 26 08 31 06.0–.75 17.3S–.10 173.1W–.20 28 4.3b,3.9s 41 4-148
NEIC I 26 08 31 03.0–.55 17.47S 173.11W 10 4.7b,3.9s **¶11713941**
IDC I 26 08 31 02.7–.75 17.07S 173.30W 0 4.5,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=9.9km az=140.0.
IDC Error ellipse: s-maj=44.1km s-min=15.1km az=138.0.
IDC I 26 16 28 12.3–26 18.20S 173.69W 0 4.5,4.3
¶12082388

IDC Error ellipse: s-maj=488.5km s-min=156.4km az=74.0.
IDC I 26 17 44 04.7–3.6 20.69S 175.90W 0 3.9,3.6b
¶12082392

IDC Error ellipse: s-maj=179.6km s-min=64.9km az=154.0.
IDC I 26 18 45 45.4–2.2 16.27S 175.40W 181–67 3.6,3.4
¶12082397

IDC Error ellipse: s-maj=297.2km s-min=22.6km az=142.0.
IDC I 27 21 16 15.2–5.0 17.42S 175.01W 0 4.3,4.2b
¶12082515

IDC Error ellipse: s-maj=157.5km s-min=100.1km az=156.0.
IDC I 28 05 09 52.3–28 20.43S 173.27W 0 4.3,4.1b
¶12082545

IDC Error ellipse: s-maj=527.2km s-min=150.6km az=76.0.
ISC I 29 05 47 38.8–.83 16.7S–.10 173.10W–.08 50–7 4.5b,3.7s 96 3-174
IDC I 29 05 47 32.4–.61 16.39S 173.31W 0 4.6,4.4 **¶11713950**
NEIC I 29 05 47 38.4–1.4 16.77S 173.12W 47–13 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=16.3km az=138.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.4km az=155.0.
IDC I 29 20 18 27.7–6.2 21.60S 174.00W 0 4.1,3.9b
¶12082692

IDC Error ellipse: s-maj=287.3km s-min=49.4km az=147.0.
IDC I 29 20 38 07.6–8.7 18.94S 175.15W 0 3.9,3.6b
¶12082694

IDC Error ellipse: s-maj=380.9km s-min=39.2km az=142.0.
ISC I 30 03 37 31.4–.78 15.0S–.30 174.9W–.20 10 4.0b 24 3-146
ISCJB I 30 03 37 29.8–.71 15.0S–.20 174.9W–.20 10 4.0b,3.8s **¶12082711**
IDC I 30 03 37 29.7–1.7 15.02S 174.87W 0 4.2,4.0
NEIC I 30 03 37 31.3–.44 15.05S 174.84W 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.6km s-min=15.7km az=141.5.
IDC Error ellipse: s-maj=109.2km s-min=21.9km az=150.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=10.4km az=141.0.
ISC I 30 03 47 14.9–.37 15.47S–.07 174.38W–.04 35–1 5.4s,5.1b 1144 3-176
IDC I 30 03 47 08.8–.78 15.33S 174.62W 0 5.3s,5.3 **¶13989281**
NEIC I 30 03 47 10.9–.26 15.39S 174.47W 10 5.6W,5.4s
ISCJB I 30 03 47 13.1–2.1 15.48S–.07 174.48W–.04 36–18 5.4s,5.0b
SZGRF I 30 03 47 13.9 15.99S 174.29W 33 5.5b,5.0b
BJI I 30 03 47 14.2 14.91S 174.13W 31 5.6b,5.5s
MOS I 30 03 47 16.2–1.1 14.62S 174.50W 33 5.4s,5.3b
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=17.3km az=152.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=5.4km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.0km az=161.7.
SZGRF Tonga Islands.
MOS Error ellipse: s-maj=15.6km s-min=9.5km az=61.6.
ISC I 30 09 52 09.3–.49 20.50S–.07 174.15W–.07 27 4.6b 60 7-149
IDC I 30 09 52 05.5–.69 20.47S 174.37W 0 4.5,4.4 **¶11713957**
ISCJB I 30 09 52 07.4–.41 20.62S–.05 174.21W–.06 27 4.4b,3.6s
NEIC I 30 09 52 10.7–1.3 20.53S 174.22W 40–12 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=15.3km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=7.7km az=42.6.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.8km az=150.0.
ISC I 30 11 45 29.6–.80 17.7S–.20 175.1W–.20 228 3.9b 26 5-151
ISCJB I 30 11 45 28.5–.79 17.7S–.20 175.2W–.20 228 4.0b **¶12082736**
IDC I 30 11 45 28.6–2.7 17.73S 175.15W 211–23 4.0,3.9
NEIC I 30 11 45 29.8–1.4 17.92S 174.82W 238–12 4.2b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.3km s-min=11.7km az=137.7.
IDC Error ellipse: s-maj=74.7km s-min=16.1km az=137.0.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=12.2km az=143.0.
IDC I 30 19 51 31.5–3.2 16.21S 174.18W 0 4.6,4.5
¶12082758

IDC Error ellipse: s-maj=179.8km s-min=30.5km az=144.0.
NEIC I 31 02 51 54.2–2.8 16.48S 173.85W 27–19 4.7b
IDC I 31 02 51 50.2–.84 16.45S 173.86W 0 4.2,4.0 **¶12082783**
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.5km az=149.0.
IDC Error ellipse: s-maj=41.0km s-min=18.7km az=150.0.
IDC I 31 09 23 56.7–5.2 16.01S 175.62W 0 4.3,4.1b
¶12082801

IDC Error ellipse: s-maj=190.4km s-min=104.0km az=155.0.
IDC II 01 05 05 22.7–3.4 18.20S 175.48W 197–33 3.7,3.5
¶15954811

IDC Error ellipse: s-maj=49.7km s-min=23.1km az=152.0.
ISC II 01 15 20 46.1–.53 17.1S–.10 174.63W–.09 172 4.2b 89 4-175
SZGRF II 01 15 20 28.0 17.58S 174.09W 33 4.2b **¶11667212**
ISCJB II 01 15 20 45.0–.44 17.05S–.10 174.62W–.08 172 4.3b
BJI II 01 15 20 44.5 17.00S 174.50W 163 5.0b,4.7b
IDC II 01 15 20 50.0–.88 17.17S 174.52W 208–8 4.2,4.2
ISC Event type ke.
SZGRF Tonga Islands.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=8.5km az=147.1.
IDC Error ellipse: s-maj=17.8km s-min=10.8km az=148.0.
IDC II 01 23 57 32.5–3.7 19.92S 173.49W 0 4.0,3.7
¶15954846

IDC Error ellipse: s-maj=141.6km s-min=29.4km az=136.0.
IDC II 02 17 48 44.0–27 21.73S 173.06W 0 4.2,4.1
¶15954909

IDC Error ellipse: s-maj=498.3km s-min=150.9km az=77.0.
IDC II 02 19 01 11.4–7.4 16.97S 173.81W 0 3.7,3.6
¶15954911

IDC Error ellipse: s-maj=312.4km s-min=31.9km az=139.0.
IDC II 03 06 16 51.6–2.9 16.84S 174.80W 155–24 4.0,3.8
¶15954946

IDC Error ellipse: s-maj=77.5km s-min=14.5km az=147.0.
IDC II 03 22 22 04.1–2.6 16.98S 175.26W 238–32 3.7,3.6
¶15954975

IDC Error ellipse: s-maj=123.5km s-min=19.6km az=139.0.
IDC II 04 02 12 04.9–1.4 15.22S 174.76W 259–32 3.7,3.4
¶15955000

IDC Error ellipse: s-maj=141.6km s-min=18.9km az=146.0.
IDC II 04 09 23 22.8–5.3 15.82S 175.77W 0 4.8,4.6
¶15955009

IDC Error ellipse: s-maj=189.0km s-min=58.0km az=132.0.
IDC II 04 13 30 48.5–2.6 16.86S 175.21W 222–38 3.8,3.7b
¶15955014

IDC Error ellipse: s-maj=137.5km s-min=23.8km az=139.0.
ISC II 05 03 55 58.6–.42 16.78S–.09 173.61W–.06 92–3 4.7b 530 3-174
IDC II 05 03 55 53.2–2.3 16.57S 173.76W 43–20 4.7,4.5L **¶11671815**
ISCJB II 05 03 55 56.8–.14 16.68S–.05 173.79W–.06 90 4.8b,4.5L
NEIC II 05 03 55 58.7–.15 16.65S 173.75W 94 4.8b,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=12.1km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=3.7km az=42.6.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.0km az=137.0.
IDC II 05 08 58 16.2–26 21.88S 173.04W 0 4.4,4.2
¶15955060

IDC Error ellipse: s-maj=488.1km s-min=148.2km az=77.0.
IDC II 05 22 43 48.1–48 16.16S 175.19W 0 4.2,4.0
¶15955087

IDC Error ellipse: s-maj=912.0km s-min=178.6km az=78.0.
IDC II 06 21 45 17.1–2.0 16.72S 175.41W 254–17 3.6,3.3
¶15955156

IDC Error ellipse: s-maj=88.8km s-min=14.0km az=149.0.
IDC II 08 01 03 58.8–2.8 20.72S 175.71W 0 4.4,4.2
¶15955203

IDC Error ellipse: s-maj=179.8km s-min=41.2km az=157.0.
ISC II 08 09 45 48.7–.59 16.47S–.10 173.20W–.10 42–5 4.5b,3.6s 83 3-149
NEIC II 08 09 45 44.3–.25 16.38S 173.25W 10 4.6b,3.6s **¶11670415**
IDC II 08 09 45 49.6–.79 16.29S 173.39W 43–6 4.1,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.6km az=148.0.

IDC Error ellipse: s-maj=28.1km s-min=15.2km az=141.0.
IDC II 08 22 38 36.0–53 16.40S 174.26W 0 4.3,4.1
¶15955234

IDC Error ellipse: s-maj=1010.0km s-min=198.8km az=79.0.
ISC II 09 12 59 30.4–.82 16.5S–.20 173.9W–.20 111 3.5b 14 3-147
IDC II 09 12 59 25.0–4.8 16.51S 173.87W 62–34 3.9,3.7 **¶15955300**
ISCJB II 09 12 59 29.2–.58 16.5S–.10 173.9W–.20 111 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC II 10 05 48 09.0–2.7 17.08S 175.01W 252–24 3.8,3.6
¶15955350

IDC Error ellipse: s-maj=43.3km s-min=22.4km az=107.0.
IDC II 10 12 00 12.8–26 19.20S 173.72W 0 4.4,4.2
¶15955358

IDC Error ellipse: s-maj=488.8km s-min=149.5km az=74.0.
IDC II 11 01 47 13.8–10.0 21.15S 175.94W 147–85 3.9,3.7
¶15955405

IDC Error ellipse: s-maj=131.8km s-min=37.8km az=160.0.
IDC II 11 14 35 36.8–.87 16.14S 173.20W 0 4.2,4.0
¶15955422

IDC Error ellipse: s-maj=41.9km s-min=20.9km az=138.0.
IDC II 13 21 06 16.4–45 15.43S 173.65W 0 4.3,4.1
¶15956001

IDC Error ellipse: s-maj=867.7km s-min=170.6km az=78.0.
IDC II 14 00 28 37.5–2.4 17.55S 173.13W 0 4.1,3.8
¶15956020

IDC Error ellipse: s-maj=105.9km s-min=24.9km az=140.0.
ISC II 15 01 18 08.4–.43 16.68S–.08 173.13W–.06 60–3 4.8b 658 3-174
SZGRF II 15 01 17 59.6 17.24S 173.03W 33 4.8b **¶13434650**
IDC II 15 01 18 00.1–.46 16.70S 173.10W 0 4.8,4.8
NEIC II 15 01 18 02.2–4.3 16.62S 173.15W 12–26 4.9b,4.8
ISCJB II 15 01 18 05.5–1.7 16.66S–.06 173.16W–.04 48–15 4.8b,4.3s
MOS II 15 01 18 07.1–1.2 15.88S 173.24W 33 5.0b,4.3s
BJI II 15 01 18 10.3 16.17S 173.39W 64 5.3b,5.0s
ISC Event type se.
SZGRF Tonga Islands.
IDC Error ellipse: s-maj=18.9km s-min=14.3km az=149.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.6km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=5.4km az=161.1.
MOS Error ellipse: s-maj=14.0km s-min=8.6km az=61.1.
IDC II 15 02 06 41.2–6.3 16.11S 173.75W 0 4.0,3.7
¶15956115

IDC Error ellipse: s-maj=299.6km s-min=32.5km az=141.0.
IDC II 15 16 13 05.5–1.7 15.08S 174.89W 216–24 3.7,3.5
¶15956170

IDC Error ellipse: s-maj=41.0km s-min=24.2km az=151.0.
IDC II 15 16 31 35.4–2.9 19.27S 175.44W 259–25 3.5,3.4
¶15956171

IDC Error ellipse: s-maj=55.8km s-min=19.4km az=139.0.
ISC II 16 00 43 39.3–.47 15.2S–.10 173.5W–.10 30 4.8b 495 2-154
IDC II 16 00 43 34.6–.55 15.21S 173.46W 0 4.7,4.5 **¶11678023**
ISCJB II 16 00 43 37.8–.29 15.19S–.10 173.58W–.08 30 4.8s,4.7b
SZGRF II 16 00 43 39.2 16.00S 174.40W 33 4.8s,4.7b
NEIC II 16 00 43 40.2–.19 15.18S 173.51W 35 4.8b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=14.6km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=7.5km az=143.2.
SZGRF Tonga Islands.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.0km az=142.0.
IDC II 17 07 19 06.7–11 19.54S 174.40W 184–204 3.8,3.7
¶15956393

IDC Error ellipse: s-maj=187.2km s-min=127.2km az=85.0.
IDC II 17 16 47 26.3–4.3 21.26S 175.76W 0 4.1,3.9
¶15956428

IDC Error ellipse: s-maj=172.3km s-min=37.6km az=144.0.
IDC II 18 03 53 55.2–17 20.85S 174.43W 0 4.2,4.1
¶15956537

IDC Error ellipse: s-maj=324.9km s-min=141.7km az=82.0.
IDC II 18 08 01 48.3–49 18.00S 175.86W 0 4.2,4.0
¶15956547

IDC Error ellipse: s-maj=920.3km s-min=162.6km az=80.0.
IDC II 18 15 40 20.1–3.6 17.71S 175.13W 0 4.1,3.9
¶15956570

IDC Error ellipse: s-maj=174.2km s-min=76.0km az=157.0.
IDC II 18 19 13 45.8–2.6 16.36S 173.40W 0 4.0s,4.0
¶15956581

IDC Error ellipse: s-maj=143.7km s-min=24.5km az=143.0.
IDC II 18 19 37 01.7–27 19.28S 173.77W 0 3.9,3.8
¶15956583

IDC Error ellipse: s-maj=493.5km s-min=150.2km az=74.0.
IDC II 19 07 31 48.1–2.4 18.50S 173.09W 0 3.8,3.7
¶15956693

IDC Error ellipse: s-maj=91.6km s-min=28.0km az=139.0.
IDC II 21 09 46 39.6–51 16.82S 175.60W 0 3.8,3.7
¶15956869

IDC Error ellipse: s-maj=960.6km s-min=178.7km az=79.0.
IDC II 21 16 24 54.4–4.1 18.69S 173.70W 164–38 3.4,3.2
¶15956886

IDC Error ellipse: s-maj=49.5km s-min=24.7km az=156.0.
ISC II 21 23 33 59.3–.80 21.8S–.20 176.0W–.20 154 3.8b 15 9-161
IDC II 21 23 33 40.5–.75 21.77S 175.74W 0 4.2,4.0 **¶15956907**
ISCJB II 21 23 33 57.6–.77 21.8S–.20 176.0W–.20 154 3.7b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC II 22 00 03 45.1–3.7 16.16S 173.90W 88–28 3.8,3.7
¶15956908

IDC Error ellipse: s-maj=138.8km s-min=20.9km az=143.0.
ISC II 22 12 33 41.2–.72 21.6S–.20 175.8W–.20 35 4.1b 34 7-152
IDC II 22 12 33 35.6–.74 21.56S 175.71W 0 4.3,4.2 **¶12701521**
ISCJB II 22 12 33 39.7–.68 21.6S–.20 175.8W–.10 35 4.1b,3.6s
NEIC II 22 12 33 41.1–.54 21.61S 175.73W 35 4.8b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=16.9km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=29.5km s-min=13.6km az=150.4.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=10.8km az=152.0.
ISC II 23 19 49 26.2–.46 18.90S–.07 175.24W–.07 198–3 4.6b 372 6-174
SZGRF II 23 19 49 08.7 18.45S 176.68W 33 4.6b **¶11714036**
MOS II 23 19 49 20.3–1.9 18.55S 175.62W 130 4.9b
IDC II 23 19 49 20.6–2.7 18.83S 175.25W 145–23 4.5,4.4
BJI II 23 19 49 22.8 18.80S 174.80W 202 5.0b,4.7b
NEIC II 23 19 49 23.3–1.5 18.85S 175.09W 175–13 4.9b,4.7b
ISCJB II 23 19 49 25.6–.20 18.89S–.07 175.45W–.05 199 4.4b,4.7b
ISC Event type se.
SZGRF Fiji Islands region.
NEIC Event type se.
ISCJB Event type se.
IDC II 24 05 38 46.0–1.8 15.20S 175.12W 0 4.1,3.9
¶15957134

IDC Error ellipse: s-maj=110.1km s-min=23.8km az=150.0.
IDC II 24 11 51 15.7–1.3 15.38S 174.96W 246–18 3.7,3.4
¶15957157

IDC Error ellipse: s-maj=59.3km s-min=13.2km az=144.0.
IDC II 24 11 58 37.0–1.8 16.64S 175.87W 451–44 3.3,3.1
¶15957158

IDC Error ellipse: s-maj=177.3km s-min=25.3km az=141.0.
IDC II 25 22 32 56.9–24 18.15S 173.21W 0 4.7,4.6
¶15957279

IDC Error ellipse: s-maj=452.4km s-min=148.3km az=73.0.
IDC II 26 11 27 07.9–18 21.51S 175.47W 0 4.2,4.0
¶15957353

IDC Error ellipse: s-maj=333.6km s-min=152.9km az=81.0.

IDC II 26 21 06 42.3–2.5 17.82S 175.31W 224–23 3.9,3.8
VIE II 26 21 06 30.6 16.66S 175.24W 75 3.8b,3.8 **¶12701954**
IDC Error ellipse: s-maj=29.3km s-min=13.9km az=118.0.
VIE 490 km SW of Apia .
ISC II 27 02 29 27.7–.42 21.8S–.10 175.72W–.10 50 4.8b,4.3s 297 9-163
SZGRF II 27 02 29 22.7 23.03S 176.29W 33 4.8b,4.3s **¶11730368**
BJI II 27 02 29 24.1 22.61S 175.57W 35 5.4b,5.1s
ISCJB II 27 02 29 26.7–.29 21.81S–.09 175.65W–.07 50 4.8b,4.3s
IDC II 27 02 29 27.9–3.8 21.72S 175.79W 50–34 4.3,4.2
NEIC II 27 02 29 28.4–1.5 21.78S 175.78W 54–12 4.8b,4.2
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=7.8km az=153.0.
IDC Error ellipse: s-maj=26.5km s-min=14.6km az=144.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=6.1km az=149.0.
IDC II 27 08 35 02.5–27 21.10S 173.27W 0 4.2,4.0
¶15957439

IDC Error ellipse: s-maj=509.8km s-min=160.4km az=75.0.
ISC II 27 17 53 59.5–.59 21.9S–.10 175.7W–.10 70 4.1b 36 7-152
IDC II 27 17 53 50.8–.76 21.64S 175.71W 0 4.2,4.0 **¶12702031**
ISCJB II 27 17 53 57.5–.53 21.91S–.09 175.7W–.10 70 3.9b,4.0
NEIC II 27 17 53 58.0–2.2 21.90S 175.61W 60–19 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=18.2km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=11.2km az=42.6.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=12.2km az=111.0.
ISC II 27 18 26 34.0–.77 20.8S–.10 175.3W–.10 70–6 4.3b 57 7-151
NEIC II 27 18 26 33.4–1.9 21.57S 174.89W 88–16 4.5b **¶11938313**
IDC II 27 18 26 34.2–.96 20.90S 175.52W 69–7 4.2,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=13.5km az=171.0.
IDC Error ellipse: s-maj=25.4km s-min=15.3km az=149.0.
IDC II 28 00 09 38.7–1.8 18.77S 173.72W 0 4.3,4.0
¶15957497

IDC Error ellipse: s-maj=85.5km s-min=24.1km az=145.0.
IDC II 28 00 25 32.9–3.9 16.14S 173.15W 227–39 3.6,3.5
¶15957498

IDC Error ellipse: s-maj=143.3km s-min=48.6km az=142.0.
ISC II 28 07 18 00.6–.61 20.0S–.10 173.5W–.10 25 4.5b,4.0s 98 6-172
IDC II 28 07 17 57.0–.95 19.92S 173.66W 0 4.4,4.4 **¶11788667**
BJI II 28 07 17 58.4 20.43S 173.15W 40 5.2b,5.1s
ISCJB II 28 07 17 59.3–.64 20.0S–.10 173.7W–.10 25 4.5b,4.0s
NEIC II 28 07 18 02.4–.52 19.83S 173.70W 35 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=17.0km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=9.9km az=136.3.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=9.0km az=140.0.
IDC III 04 00 37 04.0–1.3 15.76S 175.15W 275–16 3.5,3.2
¶12702391

IDC Error ellipse: s-maj=89.8km s-min=14.1km az=149.0.
IDC III 04 07 14 00.9–17 16.70S 173.27W 0 4.4,4.3b
¶12702404

IDC Error ellipse: s-maj=320.9km s-min=146.0km az=79.0.
IDC III 04 17 59 27.6–3.1 21.14S 175.14W 0 4.5,4.3
¶12702442

IDC Error ellipse: s-maj=95.8km s-min=42.7km az=138.0.
ISC III 05 18 13 02.9–.71 15.0S–.10 173.23W–.09 29 4.3s,3.7b 23 2-146
IDC III 05 18 12 57.2–1.1 15.27S 173.60W 0 4.2,4.0L **¶12055763**
ISCJB III 05 18 12 59.7–.70 15.0S–.10 173.26W–.09 29 4.1s,3.8b
NEIC III 05 18 13 02.9–.79 15.00S 173.21W 35 4.5b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=54.9km s-min=21.4km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=8.1km az=151.3.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=13.8km az=161.0.
ISC III 06 07 01 50.3–.43 15.18S–.06 173.30W–.05 19–1 5.4s,5.4b 974 2-175
SZGRF III 06 07 01 46.4 15.90S 173.42W 33 5.4b,5.4b **¶13567796**
IDC III 06 07 01 47.8–.40 15.18S 173.33W 0 5.3s,5.3
BJI III 06 07 01 47.2 14.89S 173.12W 5 5.8b,5.5s
ISCJB III 06 07 01 48.5–.16 15.28S–.04 173.31W–.03 16 5.3s,5.3b
NEIC III 06 07 01 48.0–.16 15.16S 173.31W 3 5.8W,5.8W
MOS III 06 07 01 52.8–.98 14.82S 173.16W 33 5.6b,5.3s
GCMT III 06 07 01 56.0–.10 15.04S 172.95W 15 5.7W,5.3s
ISC Event type se.
SZGRF Tonga Islands.
IDC Error ellipse: s-maj=16.9km s-min=11.9km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.8km az=159.2.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.1km az=144.0. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.19 $M_{\theta\theta}$2.53 $M_{\phi\phi}$-1.34 $M_{r\theta}$2.87 $M_{\theta\phi}$1.06 $M_{\phi r}$6.04 Best double couple: NP1:ϕ_s210.00000°,δ86.00000°,λ-108.00000°. NP2:ϕ_s108.00000° ,δ19.00000°,λ-12.00000°. Principal axes: T 6.6900,Plg38.0000°,Azm316.0000° ; N 0.7800,Plg18.0000°,Azm211.0000°; P -7.4800,Plg45.0000°,Azm101.0000° $M_0$7.10000×10^{17}
MOS Error ellipse: s-maj=10.2km s-min=7.6km az=54.2.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=106, comp=219, per= 50. Moment Tensor Solution. s84,c157; s46,c53; Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.04 $M_{\theta\theta}$1.57±.04; $M_{\phi\phi}$-2.70±.04; $M_{r\theta}$1.09±.12; $M_{\theta\phi}$2.42±.03; $M_{\phi r}$3.65±.11; Best double couple: NP1:ϕ_s114.00000°,δ39.00000°,λ13.00000°. NP2:ϕ_s14.00000°,δ82.00000°,λ128.00000°. Principal axes: T 4.8900,Plg41.0000°,Azm319.0000°; N 0.3800,Plg38.0000°,Azm188.0000° ; P -5.2700,Plg27.0000°,Azm75.0000° $M_0$5.10000×10^{17}
ISC III 06 07 24 06.6–.48 15.3S–.10 173.29W–.10 29 4.8s,4.7b 412 2-149
IDC III 06 07 24 02.4–.60 15.11S 173.41W 0 4.6s,4.6 **¶11757263**
NEIC III 06 07 24 04.1–.29 15.08S 173.45W 10 4.8b,4.6
ISCJB III 06 07 24 05.9–.36 15.17S–.09 173.33W–.06 29 4.7s,4.7b
BJI III 06 07 24 06.9 14.30S 173.68W 7 5.5b,5.3s
MOS III 06 07 24 06.4–1.4 15.12S 173.41W 33 5.0b,5.3s
GCMT III 06 07 24 09.9–.40 15.06S 172.92W 15–2 5.1W,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=16.6km az=130.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=7.2km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=7.5km az=169.4.
MOS Error ellipse: s-maj=16.4km s-min=11.5km az=55.1.
GCMT Event type se. Data Used: II G IC IU. Moment Tensor Solution. s17,c18; s72,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.25±.17 $M_{\theta\theta}$3.36±.19; $M_{\phi\phi}$-3.11±.17; $M_{r\theta}$1.92±.49; $M_{\theta\phi}$2.29±.16; $M_{\phi r}$3.11±.61; Best double couple: NP1:ϕ_s118.00000°,δ47.00000°,λ-1.00000°. NP2:ϕ_s209.00000°,δ89.00000°,λ-137.00000°. Principal axes: T 5.5700,Plg28.0000° ,Azm335.0000°; N -0.3500,Plg47.0000°,Azm210.0000°; P -5.2100,Plg30.0000° ,Azm82.0000° $M_0$5.40000×10^{16}
ISC III 06 08 21 28.7–.36 15.35S–.08 173.24W–.07 29 4.9b,4.9s 566 2-175
IDC III 06 08 21 24.1–.48 15.36S 173.28W 0 4.8s,4.8 **¶11757265**
NEIC III 06 08 21 25.8–.20 15.26S 173.35W 10 5.0b,4.8
ISCJB III 06 08 21 27.0–.22 15.34S–.07 173.33W–.05 29 4.9b,4.9s
BJI III 06 08 21 27.0 15.09S 174.05W 7 5.5b,5.3s
MOS III 06 08 21 28.5–1.6 15.24S 173.35W 33 5.2b,5.3s
GCMT III 06 08 21 32.6–.10 15.05S 172.95W 14–0 5.3W,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=14.7km az=132.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=4.8km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.1km az=154.0.
MOS Error ellipse: s-maj=16.8km s-min=11.0km az=54.8.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s70,c113; s95,c189; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s115.00000°,δ49.00000°,λ16.00000°. NP2:ϕ_s14.00000° ,δ78.00000°,λ138.00000°. Principal axes: T 1.2100,Plg38.0000°,Azm325.0000° ; N 0.2600,Plg46.0000°,Azm181.0000°; P -1.4700,Plg19.0000°,Azm70.0000° $M_0$1.30000×10^{17}
IDC III 06 17 12 03.1–56 15.52S 175.76W 0 4.2,4.0b
¶12702574

IDC Error ellipse: s-maj=1054.0km s-min=159.1km az=77.0.
IDC III 06 17 40 07.0–76 15.13S 173.60W 0 4.2,4.0b
¶12702575

IDC Error ellipse: s-maj=1453.0km s-min=186.7km az=78.0.

ISC III 06 20 19 05.6–.57 15.16S–.09 173.19W–.10 14–2 4.7b,4.4s 398 2-154
IDC III 06 20 19 02.8–.55 15.01S 173.44W 0 4.6,4.4 ¶11788737
ISCJB III 06 20 19 04.3–.27 15.05S–.07 173.37W–.07 16 4.7b,4.4s
NEIC III 06 20 19 04.5–.35 14.98S 173.43W 10 4.9b,4.4s
BJI III 06 20 19 06.7 14.37S 173.57W 7 5.4b,5.1s
GCMT III 06 20 19 11.4–.20 14.90S 173.04W 21–1 5.1W,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=14.5km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=7.3km az=136.2.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=9.5km az=135.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s41,c58; s80,c129; Moment tensor: Scale 10^{16}Nm; M_{rr}0.10±.17 $M_{\theta\theta}$3.33±.16; $M_{\phi\phi}$-3.43±.15; $M_{r\theta}$-0.54±.26; $M_{\theta\phi}$4.19±.13; $M_{\theta r}$2.74±.30; Best double couple: NP1:ϕ_s107.00000°,δ68.00000°,λ-10.00000°. NP2:ϕ_s201.00000°,δ81.00000°,λ-158.00000°. Principal axes: T 5.4400,Plg8.0000° ,Azm332.0000°; N 1.1000,Plg66.0000°,Azm223.0000°; P -6.5400,Plg22.0000°,Azm66.0000° M_o6.00000×10^{16}
ISC III 06 21 24 42.6–.88 15.6S–.30 175.0W–.20 35 4.2s,4.0b 9 4-145
ISCJB III 06 21 24 39.5–.90 15.4S–.30 175.0W–.20 33 4.0s,4.0b ¶12055824
IDC III 06 21 24 39.7–.98 15.78S 175.44W 0 4.3,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=46.7km s-min=13.5km az=155.6.
IDC Error ellipse: s-maj=50.9km s-min=21.8km az=145.0.
IDC III 06 22 04 57.4–3.5 17.78S 175.59W 322–35 3.4b,3.4
¶12702593
IDC Error ellipse: s-maj=92.3km s-min=28.7km az=18.0.
ISC III 07 04 10 54.6–1.9 17.5S–.30 174.3W–.30 108 4.4b 26 4-147
IDC III 07 04 10 40.8–4.1 17.97S 174.15W 0 4.3,4.1b ¶12702612
NEIC III 07 04 10 53.1–9.5 18.33S 173.98W 105–72 4.5b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=177.6km s-min=32.2km az=141.0.
NEIC Event type se. Error ellipse: s-maj=76.9km s-min=27.0km az=135.0.
IDC III 07 09 40 52.6–1.1 15.52S 174.93W 0 4.2s,4.2
¶12055766
IDC Error ellipse: s-maj=52.2km s-min=24.9km az=151.0.
ISC III 07 17 34 28.8–.56 15.4S–.20 173.1W–.10 29 4.5b,3.9s 46 2-174
IDC III 07 17 34 24.9–.64 15.24S 173.20W 0 4.4,4.2 ¶12055767
NEIC III 07 17 34 25.5–.32 15.55S 173.03W 10 4.7b,4.2
ISCJB III 07 17 34 26.6–.44 15.6S–.10 173.04W–.09 29 4.4b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 08 06 02 37.7–9.4 20.88S 175.85W 170–85 3.8,3.6
¶12702688
IDC Error ellipse: s-maj=28.7km s-min=24.1km az=118.0.
IDC III 08 10 15 04.4–45 16.71S 174.69W 0 4.0,3.8b
¶12702711
IDC Error ellipse: s-maj=864.0km s-min=169.9km az=79.0.
IDC III 08 18 07 26.8–7.4 19.77S 175.99W 0 3.9,3.8
¶12702743
IDC Error ellipse: s-maj=316.3km s-min=32.0km az=142.0.
IDC III 08 19 51 43.1–1.5 15.05S 175.16W 228–21 3.8,3.6b
¶12702749
IDC Error ellipse: s-maj=59.0km s-min=15.4km az=148.0.
ISC III 09 19 42 17.7–.49 21.89S–.08 175.04W–.08 16–2 5.1b,4.6s 261 8-171
IDC III 09 19 42 15.0–.57 21.86S 175.10W 0 4.7,4.6 ¶15153115
BJI III 09 19 42 16.4 21.59S 174.99W 14 5.5b,5.2s
ISCJB III 09 19 42 16.2–.37 21.94S–.07 175.23W–.07 13 4.9b,4.6s
NEIC III 09 19 42 20.4–.36 21.90S 175.18W 35 5.0b,4.6s
GCMT III 09 19 42 22.3–.20 22.00S 174.40W 26–0 5.3W,4.6s
MOS III 09 19 42 24.7–1.6 21.06S 176.08W 33 5.3b,4.5s
AUST III 09 19 42 48.9 22.36S 176.48W 200 5.3b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=16.7km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=8.2km az=143.5.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.4km az=143.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s56,c103; s85,c151; Moment tensor: Scale 10^{16}Nm; M_{rr}7.43±.22 $M_{\theta\theta}$-0.76±.16; $M_{\phi\phi}$-6.67±.15; $M_{r\theta}$2.39±.34; $M_{\theta\phi}$-4.52±.11; $M_{\theta r}$4.70±.29; Best double couple: NP1:ϕ_s210.00000°,δ29.00000°,λ92.00000°. NP2:ϕ_s27.00000°,δ61.00000°,λ89.00000°. Principal axes: T 9.0000,Plg74.0000° ,Azm295.0000°; N 1.7000,Plg1.0000°,Azm28.0000°; P -10.7000,Plg16.0000°,Azm118.0000° M_o9.80000×10^{16}
MOS Error ellipse: s-maj=18.0km s-min=13.8km az=20.8.
IDC III 10 18 35 37.9–49 18.04S 174.67W 0 4.0,3.8b
¶12702901
IDC Error ellipse: s-maj=931.5km s-min=181.7km az=81.0.
IDC III 10 21 21 57.2–1.2 21.61S 174.62W 0 4.2,4.1b
¶12702918
IDC Error ellipse: s-maj=38.9km s-min=30.1km az=122.0.
ISC III 11 02 56 33.9–.50 22.0S–.20 174.83W–.09 27 4.7b,4.2s 103 8-171
IDC III 11 02 56 29.9–.84 21.85S 175.04W 0 4.5,4.3 ¶12085974
ISCJB III 11 02 56 32.4–.43 22.0S–.10 175.02W–.07 27 4.6b,4.2s
NEIC III 11 02 56 33.7–.38 22.51S 174.70W 35 4.8b,4.2s
GCMT III 11 02 56 36.1–.40 22.10S 174.37W 30–1 5.0W,4.2s
SZGRF III 11 02 56 36.6 21.17S 174.24W 33 5.0W,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=16.9km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=8.3km az=164.7.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=8.6km az=161.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s31,c37; s56,c76; Moment tensor: Scale 10^{16}Nm; M_{rr}3.40±.24 $M_{\theta\theta}$-0.11±.18; $M_{\phi\phi}$-3.29±.14; $M_{r\theta}$0.89±.31; $M_{\theta\phi}$-1.23±.11; $M_{\theta r}$2.14±.18; Best double couple: NP1:ϕ_s196.00000°,δ29.00000°,λ86.00000°. NP2:ϕ_s21.00000°,δ62.00000°,λ92.00000°. Principal axes: T 4.0900,Plg73.0000° ,Azm296.0000°; N 0.3000,Plg2.0000°,Azm200.0000°; P -4.4000,Plg17.0000°,Azm109.0000° M_o4.20000×10^{16}
SZGRF Tonga Islands.
IDC III 11 18 57 24.4–3.6 21.57S 175.62W 0 4.1,3.9
¶12702997
IDC Error ellipse: s-maj=154.0km s-min=39.8km az=147.0.
IDC III 12 00 44 37.0–7.3 18.71S 174.31W 0 4.1,3.8b
¶12703036
IDC Error ellipse: s-maj=355.1km s-min=59.2km az=146.0.
IDC III 12 16 20 08.6–1.9 15.15S 175.19W 0 3.7,3.5
¶12703088
IDC Error ellipse: s-maj=108.0km s-min=26.0km az=154.0.
IDC III 12 17 49 35.9–43 18.27S 173.29W 0 4.2,4.0b
¶12703097
IDC Error ellipse: s-maj=826.4km s-min=174.7km az=81.0.
ISC III 12 23 04 13.5–.34 17.55S–.07 174.31W–.05 114–2 4.7b 495 4-174
AUST III 12 23 04 09.2 17.11S 173.83W 100 4.7b ¶15153171
BJI III 12 23 04 11.1 16.99S 174.07W 100 5.1b,4.9b
ISCJB III 12 23 04 12.1–.16 17.51S–.05 174.38W–.03 113 4.7b,4.9b
NEIC III 12 23 04 13.4–.20 17.54S 174.31W 116 4.6b,4.9b
IDC III 12 23 04 14.0–.52 17.48S 174.40W 121–4 4.4,4.4
SZGRF III 12 23 04 15.8 17.08S 174.99W 119 4.4,4.4
GCMT III 12 23 04 18.0–.40 17.36S 173.80W 129–3 5.1W,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.6km az=155.9.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.8km az=155.0.
IDC Error ellipse: s-maj=13.4km s-min=9.8km az=141.0.
SZGRF Tonga Islands.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s24,c36; s40,c63; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.31 $M_{\theta\theta}$0.67±.34; $M_{\phi\phi}$0.00±.32; $M_{r\theta}$-1.39±.24; $M_{\theta\phi}$1.49±.32; $M_{\theta r}$-4.95±.19; Best double couple: NP1:ϕ_s271.00000°,δ16.00000°,λ-15.00000°. NP2:ϕ_s16.00000°,δ86.00000°,λ-105.00000°. Principal axes: T 5.4900,Plg39.0000° ,Azm120.0000°; N -0.1900,Plg15.0000°,Azm17.0000°; P -5.3000,Plg47.0000° ,Azm270.0000° M_o5.40000×10^{16}
IDC III 12 23 49 05.7–3.0 18.00S 175.08W 168–28 3.9,3.8b
¶12703120
IDC Error ellipse: s-maj=32.6km s-min=19.8km az=139.0.
ISC III 13 03 26 35.0–.59 21.25S–.08 175.33W–.08 64–4 4.5b 436 7-171
IDC III 13 03 26 26.1–.44 21.13S 175.39W 0 4.6,4.5 ¶11876236
ISCJB III 13 03 26 32.9–.20 21.25S–.06 175.50W–.06 58 4.6b,4.5s
SZGRF III 13 03 26 34.4 21.23S 175.96W 53 4.6b,4.5s
NEIC III 13 03 26 37.2–2.5 21.21S 175.53W 84–22 4.6b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=19.6km s-min=13.5km az=143.0.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.6km az=145.6.
SZGRF Tonga Islands.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=6.1km az=149.0. Felt at Nuku'alofa.
ISC III 14 03 04 12.6–.33 20.05S–.06 175.30W–.05 162–2 4.8b 827 5-173
MOS III 14 03 04 02.5–1.1 19.92S 175.36W 79 5.4b ¶15153191
AUST III 14 03 04 03.5 20.18S 174.56W 100 5.4b
ISCJB III 14 03 04 06.5–1.5 19.97S–.05 175.40W–.03 113–13 4.9b
IDC III 14 03 04 06.8–.46 20.00S 175.30W 108–3 4.7,4.6
BJI III 14 03 04 11.2 20.22S 174.95W 172 5.2b,5.0b
NEIC III 14 03 04 12.3–.13 20.03S 175.38W 158 4.8b,5.0b
SZGRF III 14 03 04 14.3 19.75S 175.57W 161 4.8b,5.0b
GCMT III 14 03 04 15.2–.20 20.03S 174.78W 174–2 5.2W,5.0b
DJA III 14 03 04 37.0–1.1 20S–36 177W–16 319–23 6.9,6.9b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at 'Ohonua.
SZGRF Tonga Islands.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c70; s90,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.19±.21 $M_{\theta\theta}$5.20±.22; $M_{\phi\phi}$-5.01±.21; $M_{r\theta}$2.84±.19; $M_{\theta\phi}$-1.05±.22; $M_{\theta r}$4.97±.16; Best double couple: NP1:ϕ_s135.00000°,δ45.00000°,λ-5.00000°. NP2:ϕ_s228.00000°,δ86.00000°,λ-135.00000°. Principal axes: T 6.5400,Plg27.0000° ,Azm352.0000°; N 2.0100,Plg45.0000°,Azm232.0000°; P -8.5500,Plg33.0000° ,Azm102.0000° M_o7.50000×10^{16}
ISC III 15 20 28 53.5–.38 15.46S–.06 173.12W–.05 34–1 5.1b,5.0s 752 2-174
IDC III 15 20 28 47.9–.50 15.42S 173.22W 0 4.9s,4.9 ¶11888786
ISCJB III 15 20 28 51.9–.18 15.47S–.05 173.15W–.03 33 5.0b,5.0s
BJI III 15 20 28 52.3 14.90S 172.73W 31 5.4b,5.2s
MOS III 15 20 28 53.3–1.4 15.08S 173.37W 33 5.2b,5.1s
NEIC III 15 20 28 53.4–.20 15.42S 173.22W 35 5.0b,5.1s
GCMT III 15 20 28 56.0–.10 15.20S 172.76W 16–0 5.5W,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=11.9km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.0km az=159.8.
MOS Error ellipse: s-maj=11.6km s-min=9.0km az=72.5.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.0km az=141.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s83,c142; s99,c194; Moment tensor: Scale 10^{17}Nm; M_{rr}0.59±.02 $M_{\theta\theta}$0.68±.02; $M_{\phi\phi}$-1.27±.02; $M_{r\theta}$0.79±.06; $M_{\theta\phi}$0.35±.01; $M_{\theta r}$1.30±.07; Best double couple: NP1:ϕ_s133.00000°,δ33.00000°,λ20.00000°. NP2:ϕ_s26.00000°,δ79.00000°,λ121.00000°. Principal axes: T 1.8700,Plg47.0000° ,Azm328.0000°; N 0.0600,Plg31.0000°,Azm199.0000°; P -1.9400,Plg28.0000°,Azm91.0000° M_o1.90000×10^{17}
ISC III 16 15 25 14.5–.46 20.69S–.09 175.49W–.08 35 5.0s,4.7b 126 7-172
IDC III 16 15 25 09.1–.64 20.54S 175.61W 0 4.5,4.4s ¶11905614
ISCJB III 16 15 25 13.1–.29 20.82S–.09 175.61W–.06 33 4.8s,4.7b
BJI III 16 15 25 16.7 21.08S 175.17W 84 5.5b,5.4s
NEIC III 16 15 25 20.4–2.4 20.62S 175.71W 86–21 5.0b,5.4s
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=16.7km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=6.7km az=163.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=11.7km az=136.0.
IDC III 16 16 16 28.1–1.9 20.53S 175.74W 0 4.6s,4.6
¶12703429
IDC Error ellipse: s-maj=117.6km s-min=23.3km az=155.0.
IDC III 16 16 35 15.3–2.8 20.64S 175.67W 0 4.0,3.8
¶12703431
IDC Error ellipse: s-maj=175.7km s-min=25.4km az=156.0.
IDC III 17 03 52 20.7–3.1 19.98S 175.80W 129–29 4.0,3.8
¶12703487
IDC Error ellipse: s-maj=39.5km s-min=17.0km az=142.0.
IDC III 18 02 00 42.0–5.7 15.98S 173.58W 0 3.9,3.8s
¶12703555
IDC Error ellipse: s-maj=265.1km s-min=25.3km az=141.0.
ISC III 18 17 10 34.4–.93 17.2S–.20 174.3W–.20 100 4.5b 24 4-147
ISCJB III 18 17 10 33.5–.78 17.3S–.20 174.4W–.20 100 4.3b ¶12703602
NEIC III 18 17 10 33.5–1.4 17.33S 174.33W 87–14 4.8b
IDC III 18 17 10 33.5–3.0 17.32S 174.31W 86–29 4.3,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.8km s-min=11.7km az=139.2.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=10.4km az=137.0.
IDC Error ellipse: s-maj=38.6km s-min=15.6km az=140.0.
IDC III 19 13 39 07.7–.71 21.64S 175.48W 0 4.2,4.1
¶12599172
IDC Error ellipse: s-maj=32.0km s-min=17.3km az=134.0.
IDC III 19 17 03 30.2–26 19.38S 173.47W 0 4.3,4.2b
¶12703699
IDC Error ellipse: s-maj=489.7km s-min=158.4km az=74.0.
IDC III 19 19 20 48.0–27 21.95S 173.39W 0 4.3,4.1b
¶12703712
IDC Error ellipse: s-maj=495.3km s-min=148.4km az=77.0.
IDC III 19 21 29 52.9–4.0 21.99S 175.29W 0 4.4,4.1b
¶12703734
IDC Error ellipse: s-maj=241.8km s-min=31.3km az=156.0.
ISC III 20 00 13 46.3–2.7 16.4S–.80 174.5W–.50 35 4.5s,4.5b 16 4-155
IDC III 20 00 13 42.0–1.3 16.46S 174.45W 0 4.6,4.4 ¶12703754
NEIC III 20 00 13 43.8–.75 16.39S 174.56W 10 4.7b,4.4
ISCJB III 20 00 13 46.0–.82 16.5S–.30 174.6W–.20 35 4.4s,4.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 20 08 03 05.2–1.1 15.02S 173.59W 0 4.1,3.9
¶12703794
IDC Error ellipse: s-maj=49.9km s-min=21.3km az=150.0.
IDC III 20 14 17 41.0–2.0 17.79S 174.13W 0 4.1,4.0b
¶12703823
IDC Error ellipse: s-maj=45.9km s-min=18.0km az=99.0.
IDC III 22 08 05 58.3–3.4 16.46S 173.88W 59–37 3.8,3.7
¶12635271
IDC Error ellipse: s-maj=49.7km s-min=21.8km az=134.0.
IDC III 22 11 11 08.9–4.4 16.24S 173.39W 0 4.0,3.9
¶12635283
IDC Error ellipse: s-maj=189.1km s-min=28.8km az=137.0.
IDC III 22 23 23 58.3–9.8 15.44S 173.30W 0 3.6,3.5s
¶12635337
IDC Error ellipse: s-maj=528.1km s-min=27.1km az=145.0.
IDC III 22 23 29 49.0–27 18.51S 174.32W 0 4.5,4.3
¶12635338
IDC Error ellipse: s-maj=535.7km s-min=148.7km az=88.0.
IDC III 23 02 05 52.0–4.2 19.66S 174.87W 0 3.8,3.6
¶12635348
IDC Error ellipse: s-maj=178.0km s-min=26.1km az=141.0.
ISC III 24 10 09 59.7–.61 16.0S–.10 174.95W–.09 278 3.8b 26 4-146
ISCJB III 24 10 09 58.5–.45 16.0S–.10 175.03W–.07 278 3.9b ¶15153394
IDC III 24 10 09 59.0–1.2 16.08S 174.88W 276–12 3.8,3.6b
AUST III 24 10 10 01.2–.02 15.90S 174.72W 308–0 3.8,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=7.6km az=155.3.
IDC Error ellipse: s-maj=33.2km s-min=11.6km az=148.0.
AUST Error ellipse: s-maj=2.3km s-min=1.6km az=349.0.
ISC III 24 18 12 54.0–.38 15.26S–.08 173.58W–.07 30 4.8b,4.2s 362 2-175
IDC III 24 18 12 49.4–.53 15.14S 173.68W 0 4.8,4.6 ¶15153397
NEIC III 24 18 12 50.0–8.6 15.17S 173.71W 5–52 4.8b,4.6
ISCJB III 24 18 12 52.6–.17 15.23S–.06 173.73W–.05 30 4.7b,4.1s
AUST III 24 18 12 56.1–.01 15.20S 172.97W 80–0 4.7b,4.1s
GCMT III 24 18 13 00.8–.30 14.91S 173.52W 12 5.2W,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=14.0km az=135.0.

NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.1km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.4km az=142.4.
AUST Error ellipse: s-maj=1.6km s-min=1.3km az=299.0.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s14,c15; s77,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.71±.10 $M_{\theta\theta}$1.35±.13; $M_{\phi\phi}$-0.64±.10; $M_{r\theta}$-6.96±.27; $M_{\theta\phi}$0.26±.08; $M_{\phi r}$1.66±.22; Best double couple: NP1:ϕ_s227.00000°,δ7.00000°,λ-146.00000°. NP2:ϕ_s104.00000°,δ86.00000°,λ-85.00000°. Principal axes: T 7.4500,Plg41.0000° ,Azm188.0000°; N -0.4200,Plg5.0000°,Azm283.0000°; P -7.0400,Plg48.0000°,Azm19.0000° $M_0$7.30000×10^{16}

IDC III 25 08 46 42.7–2.5 18.33S 175.36W 206–31 3.6,3.4b ¶12635537

IDC Error ellipse: s-maj=37.2km s-min=20.0km az=121.0.
IDC III 26 08 44 52.9–4.7 16.85S 173.98W 105–35 3.9,3.7 ¶12635627

IDC Error ellipse: s-maj=120.5km s-min=18.9km az=149.0.
IDC III 27 02 10 26.5–4.0 19.61S 175.98W 0 4.0,3.7b ¶12635670

IDC Error ellipse: s-maj=209.2km s-min=60.7km az=150.0.
IDC III 27 06 36 13.8–6.0 21.31S 175.73W 0 4.4,4.2b ¶12635684

IDC Error ellipse: s-maj=308.4km s-min=40.0km az=150.0.
IDC III 28 10 01 45.6–8.8 16.74S 174.83W 0 3.8,3.5b ¶12635762

IDC Error ellipse: s-maj=391.5km s-min=34.7km az=141.0.
IDC III 29 16 56 30.3–3.0 21.19S 175.81W 0 4.1,3.8b ¶12635873

IDC Error ellipse: s-maj=307.4km s-min=33.0km az=161.0.
IDC III 30 05 17 42.4–2.8 20.62S 175.73W 0 4.3,4.1b ¶12635916

IDC Error ellipse: s-maj=260.4km s-min=29.3km az=162.0.
IDC III 30 06 50 42.2–3.2 21.43S 175.73W 0 4.3,3.9b ¶12635921

IDC Error ellipse: s-maj=336.6km s-min=31.6km az=161.0.
IDC III 30 15 49 01.3–4.7 21.80S 175.44W 0 4.2,4.0 ¶12635956

IDC Error ellipse: s-maj=175.5km s-min=31.8km az=138.0.
IDC III 30 21 19 56.0–2.7 15.79S 173.34W 0 4.1,3.9b ¶12635985

IDC Error ellipse: s-maj=152.7km s-min=23.1km az=143.0.
IDC III 31 03 52 34.1–7.0 16.18S 173.75W 38–56 3.8,3.6 ¶12636002

IDC Error ellipse: s-maj=172.1km s-min=26.2km az=147.0.
IDC III 31 06 04 56.0–45 15.91S 175.22W 0 4.2,4.0 ¶12636007

IDC Error ellipse: s-maj=858.1km s-min=177.7km az=78.0.

ISC	**III**	**31 07 34 01.2–.78**	**18.9S–.10**	**173.6W–.20**	**28**	**4.6b**	**36**	**5-150**
IDC	III	31 07 33 57.5–.99	18.77S	173.79W	0	4.5,4.3b		¶12636012
ISCJB	III	31 07 33 59.8–.68	18.73S–.10	173.7W–.10	28	4.4b,4.3b		
NEIC	III	31 07 34 01.8–.67	19.23S	173.50W	35	4.6b,4.3b		

ISC Event type se.
IDC Error ellipse: s-maj=45.8km s-min=17.6km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=7.4km az=36.3.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=11.9km az=146.0.
IDC III 31 07 39 30.4–.83 19.16S 173.54W 0 4.4,4.1 ¶12636013

IDC Error ellipse: s-maj=39.9km s-min=20.2km az=144.0.

ISC	**III**	**31 07 56 17.2–.35**	**15.64S–.05**	**173.34W–.05**	**57–2**	**4.9b,4.0s**	**635**	**2-175**
ISCJB	III	31 07 56 15.5–1.2	15.67S–.05	173.49W–.04	53–10	4.9b,4.0s		¶15153490
MOS	III	31 07 56 15.4–1.1	15.63S	173.50W	51	5.1b,4.0s		
NEIC	III	31 07 56 17.5–1.1	15.66S	173.45W	58–9	4.9b,4.0s		
AUST	III	31 07 56 17.4–.57	15.68S	173.08W	68–0	4.9b,4.0s		
BJI	III	31 07 56 20.5	14.77S	173.06W	54	5.3b,5.2s		
IDC	III	31 07 56 21.3–.62	15.65S	173.57W	94–5	4.5,4.5		
GCMT	III	31 07 56 22.6–.30	15.56S	173.07W	99–3	5.0W,4.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.0km az=154.3.
MOS Error ellipse: s-maj=10.3km s-min=7.8km az=141.9.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.6km az=144.0.
AUST Error ellipse: s-maj=1.2km s-min=1.0km az=305.0.
IDC Error ellipse: s-maj=12.6km s-min=9.9km az=133.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s37,c45; s76,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.64±.17 $M_{\theta\theta}$-1.02±.19; $M_{\phi\phi}$2.66±.18; $M_{r\theta}$1.50±.10; $M_{\theta\phi}$0.29±.16; $M_{\phi r}$2.63±.09; Best double couple: NP1:ϕ_s333.00000°,δ26.00000°,λ-142.00000°. NP2:ϕ_s208.00000°,δ75.00000°,λ-69.00000°. Principal axes: T 4.0800,Plg27.0000° ,Azm282.0000°; N -0.5600,Plg20.0000°,Azm22.0000°; P -3.5200,Plg56.0000° ,Azm144.0000° $M_0$3.80000×10^{16}

IDC III 31 13 02 35.9–18 21.89S 175.16W 0 4.3,4.2b ¶12636030

IDC Error ellipse: s-maj=335.5km s-min=148.3km az=80.0.
IDC III 31 17 13 00.1–27 20.97S 173.53W 0 3.8,3.7b ¶12636042

IDC Error ellipse: s-maj=496.8km s-min=145.0km az=76.0.

ISC	**IV**	**01 19 59 42.0–.53**	**17.1S–.10**	**174.87W–.10**	**256**	**4.2b**	**87**	**4-156**
AUST	IV	01 19 58 51.9	17.30S	171.19W	5	4.2b		¶15153502
SZGRF	IV	01 19 59 16.7	16.88S	174.41W	33	4.4b		
IDC	IV	01 19 59 35.2–1.5	17.16S	174.71W	194–13	4.1,3.9		
NEIC	IV	01 19 59 38.6–1.3	17.07S	174.67W	225–11	4.5b,3.9		
ISCJB	IV	01 19 59 40.8–.44	17.04S–.10	174.88W–.09	256	4.1b,3.9		

ISC Event type se.
SZGRF Tonga Islands.
NEIC Event type se.
ISCJB Event type se.
IDC IV 02 09 49 34.5–7.5 17.25S 174.56W 0 4.0,3.7 ¶16152265

IDC Error ellipse: s-maj=340.0km s-min=35.2km az=141.0.
IDC IV 02 15 30 18.0–2.2 16.18S 175.94W 363–72 3.8,3.6 ¶16152274

IDC Error ellipse: s-maj=327.7km s-min=22.0km az=144.0.
IDC IV 02 23 20 34.4–7.6 21.08S 174.09W 0 4.2,3.8 ¶16152295

IDC Error ellipse: s-maj=326.0km s-min=41.2km az=144.0.
IDC IV 03 01 44 39.7–7.1 19.05S 175.05W 0 4.0,3.7 ¶16152301

IDC Error ellipse: s-maj=340.7km s-min=60.9km az=146.0.
IDC IV 03 06 37 25.7–1.1 15.74S 173.12W 0 4.1,3.9 ¶12746753

IDC Error ellipse: s-maj=50.7km s-min=19.5km az=133.0.

ISC	**IV**	**03 10 53 41.4–.75**	**18.9S–.10**	**173.5W–.10**	**28**	**4.4b**	**56**	**3-150**
IDC	IV	03 10 53 37.0–.87	19.02S	173.59W	0	4.4,4.3		¶15153538
NEIC	IV	03 10 53 38.4–.61	19.02S	173.54W	10	4.6b,4.3		
AUST	IV	03 10 53 41.0–.04	19.38S	172.94W	44–0	4.6b,4.3		

ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=17.0km az=132.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=9.7km az=131.0.
AUST Error ellipse: s-maj=4.9km s-min=1.3km az=3.0.
IDC IV 03 21 07 53.8–3.2 18.96S 174.37W 0 4.3,4.0 ¶16152328

IDC Error ellipse: s-maj=111.8km s-min=41.9km az=138.0.
IDC IV 04 03 32 00.8–4.4 16.13S 175.33W 0 4.3,4.1 ¶16152338

IDC Error ellipse: s-maj=191.2km s-min=35.2km az=137.0.
IDC IV 04 16 54 54.4–2.2 17.58S 175.14W 237–22 3.7,3.6 ¶16152377

IDC Error ellipse: s-maj=21.2km s-min=14.6km az=122.0.
IDC IV 05 08 54 56.5–1.3 16.47S 173.40W 0 4.1,3.9 ¶16152408

IDC Error ellipse: s-maj=53.3km s-min=23.9km az=131.0.

ISC	**IV**	**05 21 36 04.2–.56**	**19.5S–.10**	**174.78W–.09**	**133**	**4.0b**	**43**	**6-150**
IDC	IV	05 21 35 48.6–.84	19.32S	175.00W	0	4.4,4.2		¶12934537
NEIC	IV	05 21 35 54.1–.37	19.33S	175.05W	35	4.4b,4.2		
ISCJB	IV	05 21 36 02.6–.55	19.6S–.10	174.85W–.09	133	3.8b,4.2		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 06 11 30 11.9–3.2 21.38S 175.24W 0 4.1,3.9b ¶16152460

IDC Error ellipse: s-maj=160.6km s-min=28.3km az=149.0.
IDC IV 06 21 23 55.5–17 19.58S 174.55W 0 4.2,4.1 ¶16152477

IDC Error ellipse: s-maj=328.0km s-min=148.9km az=80.0.
IDC IV 06 23 22 36.3–46 16.43S 175.04W 0 4.3,4.1 ¶16152482

IDC Error ellipse: s-maj=867.2km s-min=171.6km az=79.0.
IDC IV 07 11 02 58.1–1.4 19.04S 174.58W 0 4.3,4.1 ¶16152501

IDC Error ellipse: s-maj=50.8km s-min=21.4km az=126.0.
IDC IV 07 11 06 41.5–2.2 18.17S 175.38W 209–22 3.8,3.6 ¶16152502

IDC Error ellipse: s-maj=19.9km s-min=11.6km az=115.0.
IDC IV 07 12 21 25.6–45 16.07S 174.10W 0 4.3,4.2 ¶16152507

IDC Error ellipse: s-maj=855.3km s-min=176.3km az=79.0.

ISC	**IV**	**07 20 38 22.5–.66**	**15.8S–.20**	**175.1W–.10**	**262**	**3.7b**	**21**	**4-176**
PRU	IV	07 20 37 53.6	16.70S	175.75W	30	3.7b		¶12742076
ISCJB	IV	07 20 38 21.6–.67	15.6S–.20	175.2W–.20	262	3.8b		
IDC	IV	07 20 38 24.9–1.2	15.80S	174.89W	287–11	3.9,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.9km s-min=13.1km az=148.1.
IDC Error ellipse: s-maj=27.2km s-min=12.8km az=147.0.
IDC IV 08 10 33 52.7–.65 15.14S 173.48W 0 4.3,4.2 ¶16152545

IDC Error ellipse: s-maj=33.1km s-min=15.0km az=137.0.

ISC	**IV**	**08 11 33 18.1–.41**	**15.52S–.09**	**173.28W–.08**	**42**	**4.3b,4.1s**	**317**	**2-175**
IDC	IV	08 11 33 11.9–.53	15.38S	173.42W	0	4.5,4.3		¶15153612
AUST	IV	08 11 33 13.7–.02	14.83S	172.24W	84–0	4.5,4.3		
ISCJB	IV	08 11 33 17.1–.20	15.52S–.07	173.38W–.06	42	4.4b,3.9s		
NEIC	IV	08 11 33 30.4–2.1	15.48S	173.51W	149–18	4.4b,3.9s		

ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=14.8km az=134.0.
AUST Error ellipse: s-maj=1.4km s-min=1.3km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.4km az=141.8.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.5km az=134.0.
IDC IV 09 11 50 57.3–46 16.04S 174.15W 0 4.6,4.4b ¶16152583

IDC Error ellipse: s-maj=886.5km s-min=177.7km az=78.0.
IDC IV 09 13 19 43.1–2.5 15.42S 173.28W 0 4.0,3.7 ¶16152587

IDC Error ellipse: s-maj=173.8km s-min=20.9km az=145.0.
IDC IV 09 19 49 21.5–4.5 15.23S 174.63W 0 4.1,3.9b ¶16152601

IDC Error ellipse: s-maj=200.3km s-min=35.0km az=136.0.
IDC IV 10 18 08 06.7–7.6 15.51S 173.26W 0 4.0,3.8 ¶12759394

IDC Error ellipse: s-maj=366.3km s-min=24.2km az=142.0.

ISC	**IV**	**10 19 56 54.7–.48**	**16.4S–.10**	**174.1W–.10**	**111**	**4.4b**	**61**	**3-150**
IDC	IV	10 19 56 48.4–3.0	16.41S	174.01W	53–27	4.2,4.0		¶12934945
NEIC	IV	10 19 56 49.6–1.6	16.32S	174.17W	62–14	4.6b,4.0		
ISCJB	IV	10 19 56 53.2–.52	16.4S–.10	174.16W–.10	111	4.2b,4.0		

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

ISC	**IV**	**11 03 48 13.0–.46**	**16.34S–.09**	**173.92W–.08**	**102–3**	**4.4b**	**241**	**3-175**
BJI	IV	11 03 48 10.6	16.40S	173.90W	100	5.3b,4.8b		¶12581807
NEIC	IV	11 03 48 12.6–.18	16.42S	173.85W	100	4.4b,4.8b		
IDC	IV	11 03 48 12.5–.59	16.53S	173.74W	99–5	4.2,4.1		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=4.7km az=137.0.
IDC Error ellipse: s-maj=21.1km s-min=11.7km az=137.0.
IDC IV 11 22 23 32.2–27 21.19S 173.53W 0 4.4,4.2 ¶16152681

IDC Error ellipse: s-maj=504.1km s-min=150.0km az=76.0.
IDC IV 13 16 07 00.9–6.1 15.73S 173.67W 0 3.7,3.6b ¶16152768

IDC Error ellipse: s-maj=332.3km s-min=28.8km az=145.0.
IDC IV 13 16 16 25.2–27 18.85S 174.20W 0 4.1,3.9 ¶16152769

IDC Error ellipse: s-maj=504.1km s-min=161.4km az=75.0.
IDC IV 14 07 11 05.8–1.0 17.59S 173.71W 0 4.0,3.8 ¶12840194

IDC Error ellipse: s-maj=51.8km s-min=20.1km az=135.0.

ISC	**IV**	**14 17 56 01.7–1.2**	**17.7S–.20**	**174.4W–.20**	**108**	**4.2b**	**14**	**4-85**
AUST	IV	14 17 55 32.6	18.69S	170.48W	60	4.2b		¶16152789
ISCJB	IV	14 17 56 00.1–.92	17.6S–.20	174.4W–.20	108	4.2b		
IDC	IV	14 17 56 00.8–3.3	17.72S	174.53W	88–38	4.0,3.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.7km s-min=8.4km az=42.5.
IDC Error ellipse: s-maj=55.0km s-min=21.3km az=123.0.
IDC IV 17 08 16 24.3–.95 21.07S 175.61W 77–7 3.7,3.5 ¶16152890

IDC Error ellipse: s-maj=33.7km s-min=21.0km az=151.0.
IDC IV 17 16 42 51.8–2.3 15.80S 174.59W 0 3.8,3.6 ¶16152933

IDC Error ellipse: s-maj=195.4km s-min=28.8km az=151.0.

ISC	**IV**	**17 21 24 01.1–.48**	**17.63S–.08**	**173.19W–.07**	**28**	**4.3b,3.6s**	**54**	**3-148**
IDC	IV	17 21 23 57.5–.84	17.66S	173.41W	0	4.5,4.3b		¶15153774
NEIC	IV	17 21 23 58.5–.60	17.56S	173.28W	10	4.6b,4.3b		
ISCJB	IV	17 21 23 58.9–.41	17.58S–.07	173.26W–.07	28	4.4b,3.6s		
AUST	IV	17 21 24 06.5–6.2	18.20S	172.88W	89–0	4.4b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=18.8km az=136.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=10.8km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.7km az=137.7.
AUST Error ellipse: s-maj=5.7km s-min=1.2km az=10.0.
IDC IV 18 03 14 37.0–2.4 18.54S 175.28W 206–24 3.8,3.6 ¶16152966

IDC Error ellipse: s-maj=29.6km s-min=12.3km az=142.0.

ISC	**IV**	**20 03 12 43.8–.51**	**17.2S–.10**	**175.10W–.08**	**256**	**4.0b**	**39**	**5-148**
ISCJB	IV	20 03 12 42.5–.43	17.19S–.09	175.15W–.07	256	4.0b		¶15153841
AUST	IV	20 03 12 44.0–.01	17.21S	174.85W	270–0	4.0b		
IDC	IV	20 03 12 43.8–1.9	17.23S	175.19W	250–19	3.8,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=6.9km az=152.9.
AUST Error ellipse: s-maj=2.1km s-min=1.4km az=343.0.
IDC Error ellipse: s-maj=21.3km s-min=12.3km az=143.0.
IDC IV 20 13 21 53.1–2.5 16.41S 174.54W 142–31 4.5s,4.5 ¶16153141

IDC Error ellipse: s-maj=155.5km s-min=19.8km az=138.0.

ISC	**IV**	**20 20 02 24.9–.37**	**15.28S–.05**	**173.47W–.05**	**20–2**	**5.2b,5.1s**	**872**	**2-175**
ISCJB	IV	20 20 02 20.7–2.8	15.19S–.05	173.64W–.03	2–17	5.1b,5.0s		¶15153830
IDC	IV	20 20 02 21.4–.44	15.18S	173.60W	0	4.9,4.9		
BJI	IV	20 20 02 23.5	15.12S	173.74W	10	5.6b,5.3s		
MOS	IV	20 20 02 26.6–1.2	15.06S	173.59W	33	5.4b,5.3s		
NEIC	IV	20 20 02 27.2–.17	15.17S	173.72W	35	5.4W,5.2b		
AUST	IV	20 20 02 29.5–.01	15.10S	172.82W	106–0	5.4W,5.2b		
GCMT	IV	20 20 02 33.4–.10	15.20S	173.33W	57–1	5.6W,5.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.0km az=157.3.
IDC Error ellipse: s-maj=19.5km s-min=12.3km az=131.0.
MOS Error ellipse: s-maj=13.1km s-min=7.2km az=59.4.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=4.2km az=143.0. Felt at Nuku'alofa. Felt at Apia, Samoa and at Tafuna, American Samoa. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.23 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$0.05 $M_{r\theta}$-1.66 $M_{\theta\phi}$-0.54 $M_{\phi r}$0.21 Best double couple: NP1:ϕ_s275.00000°,δ86.00000°,λ109.00000°. NP2:ϕ_s15.00000°

,δ19.00000°,λ11.00000°. Principal axes: T 1.8000,Plg45.0000°,Azm203.0000° ; N -0.0500,Plg18.0000°,Azm93.0000°; P -1.7500,Plg38.0000°,Azm348.0000° $M_0$1.80000×10^{17}

AUST Error ellipse: s-maj=1.4km s-min=1.2km az=235.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s76,c135; s98,c172; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.04 $M_{\theta\theta}$0.67±.05; $M_{\phi\phi}$-0.59±.04; $M_{r\theta}$-2.69±.06; $M_{\theta\phi}$0.61±.04; $M_{\phi r}$0.60±.03; Best double couple: NP1:ϕ_s200.00000°,δ17.00000°,λ-174.00000°. NP2:ϕ_s104.00000°,δ88.00000°,λ-73.00000°. Principal axes: T 3.0100,Plg41.0000° ,Azm179.0000°; N -0.2600,Plg17.0000°,Azm284.0000°; P -2.7600,Plg44.0000° ,Azm31.0000° $M_0$2.90000×10^{17}

IDC IV 20 22 37 53.0–3.1 17.71S 173.60W 0 4.2,3.8 ¶16153175

IDC Error ellipse: s-maj=177.7km s-min=25.3km az=149.0.

IDC IV 21 10 21 19.2–48 15.66S 175.10W 0 3.9,3.8 ¶16153204

IDC Error ellipse: s-maj=913.5km s-min=182.4km az=78.0.

IDC IV 21 16 01 35.7–3.5 16.03S 174.00W 127–25 4.0,3.9 ¶16153221

IDC Error ellipse: s-maj=153.2km s-min=19.5km az=147.0.

IDC IV 22 04 17 13.3–7.3 18.39S 173.97W 0 3.9,3.6 ¶16153254

IDC Error ellipse: s-maj=317.3km s-min=37.5km az=142.0.

ISC	**IV**	**22 15 18 20.9–.31**	**17.22S–.05**	**174.32W–.05**	**209–2**	**4.7b**	**766**	**4-174**
AUST	IV	22 15 18 16.0–.01	17.19S	174.12W	167–0	4.7b		¶15153899
MOS	IV	22 15 18 16.2–1.3	16.93S	174.55W	164	4.7b		
ISCJB	IV	22 15 18 19.0–.12	17.18S–.04	174.46W–.03	200	4.7b		
IDC	IV	22 15 18 19.2–.44	17.25S	174.47W	190–4	4.5,4.5		
NEIC	IV	22 15 18 19.1–.16	17.23S	174.45W	192	4.7b,4.5		
BJI	IV	22 15 18 20.7	17.01S	173.87W	223	5.2b,4.9b		
GCMT	IV	22 15 18 22.1–.30	17.17S	174.14W	196–2	5.1W,4.9b		
DJA	IV	22 15 19 23.6–6.5	18S–17	179W–59	619–45	5.2b,4.9b		

ISC Event type se.

ISCJB Event type se.

NEIC Event type se.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c43; s81,c121; Moment tensor: Scale 10^{16}Nm; M_{rr}2.32±.14 $M_{\theta\theta}$-3.87±.17; $M_{\phi\phi}$1.54±.17; $M_{r\theta}$1.35±.14; $M_{\theta\phi}$3.58±.14; $M_{\phi r}$2.89±.13; Best double couple: NP1:ϕ_s79.00000°,δ62.00000°,λ31.00000°. NP2:ϕ_s334.00000°,δ63.00000°,λ148.00000°. Principal axes: T 6.0500,Plg41.0000° ,Azm296.0000°; N -0.4100,Plg49.0000°,Azm117.0000°; P -5.6500,Plg1.0000°,Azm27.0000° $M_0$5.90000×10^{16}

IDC IV 24 10 12 47.9–2.6 15.97S 175.17W 0 4.2,3.9 ¶12842949

IDC Error ellipse: s-maj=145.1km s-min=22.0km az=150.0.

IDC IV 24 14 49 59.7–5.0 16.19S 175.96W 0 4.3,4.1 ¶16153339

IDC Error ellipse: s-maj=182.3km s-min=98.9km az=154.0.

IDC IV 24 19 44 16.7–8.3 20.48S 174.55W 0 4.1,3.8 ¶16153348

IDC Error ellipse: s-maj=387.0km s-min=38.5km az=145.0.

IDC IV 26 17 23 14.6–52 17.87S 174.82W 0 4.3,4.1 ¶16154526

IDC Error ellipse: s-maj=978.0km s-min=158.2km az=81.0.

IDC IV 27 15 52 54.3–2.6 15.66S 175.90W 0 4.0,3.8 ¶12936280

IDC Error ellipse: s-maj=254.9km s-min=26.0km az=156.0.

IDC IV 30 07 39 18.7–4.2 19.24S 175.53W 0 4.0,3.8 ¶16154658

IDC Error ellipse: s-maj=181.9km s-min=22.0km az=141.0.

IDC V 01 09 40 55.2–2.5 17.44S 174.73W 156–24 4.0,3.8 ¶16154699

IDC Error ellipse: s-maj=42.4km s-min=15.6km az=135.0.

ISC	**V**	**03 01 20 20.3–.44**	**18.74S–.07**	**173.80W–.08**	**73–3**	**4.7b**	**292**	**5-173**
IDC	V	03 01 20 10.7–.48	18.60S	173.76W	0	4.7,4.6		¶12750403
ISCJB	V	03 01 20 17.9–.25	18.70S–.05	173.89W–.07	65	4.6b,4.6		
MOS	V	03 01 20 17.8–2.7	18.46S	174.30W	33	5.1b,4.6		
NEIC	V	03 01 20 18.9–3.2	18.60S	173.86W	61–27	4.8b,4.6		
BJI	V	03 01 20 18.4	19.27S	173.78W	83	5.2b,5.1s		
SZGRF	V	03 01 20 22.3	18.83S	173.35W	78	5.2b,5.1s		

ISC Event type fe.

IDC Error ellipse: s-maj=19.9km s-min=13.0km az=125.0.

ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=6.1km az=27.2.

MOS Error ellipse: s-maj=14.9km s-min=12.7km az=56.3.

NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=8.8km az=130.0. Felt at Neiafu.

SZGRF Tonga Islands.

ISC	**V**	**03 20 25 05.6–.57**	**16.0S–.10**	**174.88W–.09**	**278**	**3.7b**	**28**	**4-146**
IDC	V	03 20 25 04.5–1.1	16.00S	174.92W	262–12	3.8,3.6		¶15154086
ISCJB	V	03 20 25 04.3–.42	15.9S–.10	174.96W–.08	278	3.8b,3.6		
AUST	V	03 20 25 06.2–.01	15.95S	174.69W	297–0	3.8b,3.6		

ISC Event type ke.

IDC Error ellipse: s-maj=25.7km s-min=11.3km az=145.0.

ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=7.2km az=154.0.

AUST Error ellipse: s-maj=2.1km s-min=1.6km az=347.0.

IDC V 03 20 46 30.0–53 15.82S 174.39W 0 4.2,4.0 ¶16154877

IDC Error ellipse: s-maj=1002.0km s-min=166.4km az=78.0.

ISC	**V**	**04 02 30 29.9–.56**	**18.60S–.09**	**174.36W–.08**	**130**	**4.1b**	**40**	**4-149**
ISCJB	V	04 02 30 27.8–.47	18.61S–.10	174.34W–.06	130	3.9b		¶15154099
IDC	V	04 02 30 28.3–2.9	18.49S	174.74W	95–27	4.0,3.8		
AUST	V	04 02 30 31.6–1.1	18.32S	173.98W	176–0	4.0,3.8		
NEIC	V	04 02 30 39.8–2.5	18.77S	174.76W	204–21	4.6b,3.8		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=7.4km az=173.1.

IDC Error ellipse: s-maj=27.6km s-min=15.9km az=122.0.

AUST Error ellipse: s-maj=1.8km s-min=1.4km az=13.0.

NEIC Event type se. Error ellipse: s-maj=21.9km s-min=16.3km az=97.0.

IDC V 04 04 43 15.5–3.1 16.02S 175.15W 0 4.2,3.9 ¶13439314

IDC Error ellipse: s-maj=216.7km s-min=24.6km az=152.0.

IDC V 04 05 46 31.2–.68 15.19S 173.75W 0 4.4,4.2 ¶13439316

IDC Error ellipse: s-maj=37.5km s-min=17.5km az=140.0.

IDC V 04 07 20 55.6–1.6 18.61S 173.53W 0 4.2,4.0 ¶16154889

IDC Error ellipse: s-maj=54.8km s-min=24.7km az=130.0.

ISC	**V**	**04 21 22 45.5–.77**	**19.6S–.20**	**173.1W–.10**	**26**	**4.2b,3.8s**	**61**	**3-152**
AUST	V	04 21 22 29.8	18.34S	171.59W	0	4.2b,3.8s		¶15154106
IDC	V	04 21 22 42.5–.89	19.30S	173.27W	0	4.4,4.3L		
NEIC	V	04 21 22 50.0–2.8	19.81S	173.10W	70–23	4.7b,4.3L		

ISC Event type se.

IDC Error ellipse: s-maj=35.4km s-min=17.1km az=143.0.

NEIC Event type se. Error ellipse: s-maj=23.9km s-min=14.8km az=138.0.

ISC	**V**	**05 03 20 05.6–.53**	**17.60S–.07**	**173.18W–.08**	**34–1**	**4.9b,4.5s**	**248**	**3-173**
AUST	V	05 03 19 59.0–3.1	17.55S	172.32W	21–0	4.9b,4.5s		¶15154119
IDC	V	05 03 19 59.5–.59	17.77S	173.15W	0	4.7,4.6		
ISCJB	V	05 03 20 03.9–.28	17.65S–.06	173.27W–.06	36	4.9b,4.5s		
SZGRF	V	05 03 20 05.8	17.53S	171.56W	33	4.9b,4.5s		
NEIC	V	05 03 20 05.4–.27	17.66S	173.24W	35	4.9b,4.5s		
GCMT	V	05 03 20 06.7–.40	17.80S	172.35W	23–1	5.0W,4.5s		
BJI	V	05 03 20 07.7	17.54S	174.13W	35	5.3b,5.1s		
MOS	V	05 03 20 08.6–1.9	16.66S	173.96W	33	5.1b,5.1s		

ISC Event type se.

AUST Error ellipse: s-maj=2.6km s-min=1.1km az=18.0.

IDC Error ellipse: s-maj=22.1km s-min=12.5km az=147.0.

ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.0km az=136.7.

SZGRF Tonga Islands region.

NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.5km az=136.0.

GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s24,c29; s57,c76; Moment tensor: Scale 10^{16}Nm; M_{rr}3.03±.21 $M_{\theta\theta}$-0.45±.14; $M_{\phi\phi}$-2.59±.14; $M_{r\theta}$0.94±.24; $M_{\theta\phi}$-0.93±.11; $M_{\phi r}$1.47±.18; Best double couple: NP1:ϕ_s195.00000°,δ30.00000°,λ80.00000°. NP2:ϕ_s26.00000°,δ60.00000°,λ96.00000°. Principal axes: T 3.5200,Plg74.0000° ,Azm311.0000°; N -0.1300,Plg5.0000°,Azm203.0000°; P -3.3900,Plg15.0000° ,Azm112.0000° $M_0$3.50000×10^{16}

MOS Error ellipse: s-maj=13.8km s-min=10.9km az=78.9.

IDC V 05 05 57 10.1–3.6 15.65S 173.09W 0 4.7L,4.4 ¶16154918

IDC Error ellipse: s-maj=85.3km s-min=38.3km az=22.0.

ISC	**V**	**05 22 47 51.6–.42**	**17.73S–.07**	**174.39W–.07**	**142–3**	**4.6b**	**172**	**4-174**
AUST	V	05 22 47 45.2–5.0	17.56S	174.47W	73–0	4.6b		¶15154121
ISCJB	V	05 22 47 46.4–1.0	17.60S–.06	174.39W–.06	109–9	4.7b		
BJI	V	05 22 47 48.6	17.50S	174.40W	110	5.1b,4.9b		
NEIC	V	05 22 47 51.5–.26	17.61S	174.44W	144	4.6b,4.9b		
IDC	V	05 22 47 52.1–.56	17.63S	174.41W	147–5	4.2,4.1		
SZGRF	V	05 22 47 55.2	17.04S	173.71W	154	4.2,4.1		

ISC Event type se.

AUST Error ellipse: s-maj=2.7km s-min=1.5km az=256.0.

ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=7.4km az=144.7.

NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.6km az=146.0.

IDC Error ellipse: s-maj=15.7km s-min=10.9km az=129.0.

SZGRF Tonga Islands.

IDC V 06 06 38 30.0–1.7 17.13S 173.13W 0 4.1,3.9 ¶16155442

IDC Error ellipse: s-maj=91.6km s-min=19.5km az=142.0.

IDC V 06 09 00 42.7–2.6 16.37S 174.32W 127–24 3.8,3.6 ¶16155448

IDC Error ellipse: s-maj=32.2km s-min=13.9km az=136.0.

IDC V 07 09 16 58.4–1.9 15.62S 174.85W 158–31 3.6,3.3 ¶16155479

IDC Error ellipse: s-maj=148.6km s-min=18.4km az=147.0.

ISC	**V**	**07 16 43 58.1–.37**	**16.01S–.06**	**174.02W–.06**	**115**	**4.5b**	**116**	**3-175**
IDC	V	07 16 43 56.9–1.5	15.99S	174.07W	105–13	4.4,4.2		¶15154202
ISCJB	V	07 16 43 56.7–.24	15.96S–.06	174.15W–.05	115	4.5b,4.2		
NEIC	V	07 16 43 57.4–.75	15.91S	174.20W	109–6	4.5b,4.2		
AUST	V	07 16 44 01.2–.01	15.91S	173.57W	174–0	4.5b,4.2		
BJI	V	07 16 44 20.3	15.22S	174.21W	293	4.5b,4.5b		

ISC Event type ke.

IDC Error ellipse: s-maj=20.0km s-min=10.0km az=135.0.

ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.0km az=146.7.

NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.7km az=146.0.

AUST Error ellipse: s-maj=1.5km s-min=1.4km az=249.0.

IDC V 08 21 54 52.8–2.3 16.97S 173.43W 0 4.1,3.9 ¶16155530

IDC Error ellipse: s-maj=119.5km s-min=23.9km az=141.0.

ISC	**V**	**09 13 46 18.0–.59**	**17.53S–.10**	**175.45W–.09**	**250**	**3.6b**	**22**	**5-148**
IDC	V	09 13 46 17.2–1.4	17.54S	175.54W	244–15	3.7,3.5		¶15154229
ISCJB	V	09 13 46 17.1–.48	17.52S–.09	175.45W–.08	250	3.7b,3.5		
AUST	V	09 13 46 20.0–.02	17.61S	175.14W	270–0	3.7b,3.5		

ISC Event type ke.

IDC Error ellipse: s-maj=23.8km s-min=10.7km az=132.0.

ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=7.5km az=143.1.

AUST Error ellipse: s-maj=1.6km s-min=1.4km az=321.0.

IDC V 10 21 13 28.8–3.5 21.27S 174.81W 0 4.2,4.1 ¶16155608

IDC Error ellipse: s-maj=112.7km s-min=27.6km az=131.0.

IDC V 10 21 33 25.4–.73 18.12S 173.33W 0 4.2,4.1 ¶12952793

IDC Error ellipse: s-maj=29.6km s-min=20.0km az=132.0.

ISC	**V**	**11 23 11 36.3–.47**	**18.22S–.09**	**175.64W–.10**	**254**	**4.2b**	**75**	**5-174**
ISCJB	V	11 23 11 34.5–.43	18.15S–.08	175.53W–.07	254	4.2b		¶15154259
NEIC	V	11 23 11 35.1–1.2	18.19S	175.39W	247–11	4.7b		
AUST	V	11 23 11 35.7–.02	17.88S	175.19W	278–0	4.7b		
IDC	V	11 23 11 40.7–1.9	18.25S	175.60W	293–18	4.1,3.9		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=8.5km az=146.0.

NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.4km az=136.0.

AUST Error ellipse: s-maj=2.1km s-min=1.3km az=355.0.

IDC Error ellipse: s-maj=14.0km s-min=10.0km az=123.0.

IDC V 12 10 14 30.5–27 21.27S 173.81W 0 4.0,3.8 ¶16155671

IDC Error ellipse: s-maj=504.1km s-min=161.6km az=75.0.

IDC V 12 18 06 43.7–1.8 15.94S 174.59W 296–13 3.5,3.3 ¶16155680

IDC Error ellipse: s-maj=98.5km s-min=15.3km az=148.0.

IDC V 13 06 53 43.5–1.4 15.26S 174.86W 253–18 3.7,3.6 ¶16155701

IDC Error ellipse: s-maj=36.2km s-min=13.8km az=133.0.

ISC	**V**	**13 21 31 17.9–.25**	**15.77S–.04**	**173.40W–.04**	**88–1**	**5.2b**	**890**	**2-175**
PDG	V	13 21 31 13.5	15.60S	173.40W	80	5.2b		¶12821480
DJA	V	13 21 31 13.5–3.0	16S–9.0	173W–8.0	44–28	5.7b,5.3		
MOS	V	13 21 31 14.6–.97	15.73S	173.42W	61	5.7b,5.3		
ISCJB	V	13 21 31 17.0–.15	15.74S–.04	173.47W–.03	88	5.1b,5.3		
IDC	V	13 21 31 16.1–2.1	15.80S	173.41W	68–18	5.0,5.0		
NEIC	V	13 21 31 18.0–.10	15.75S	173.49W	85	5.8W,5.7W		
SZGRF	V	13 21 31 17.8	16.40S	174.90W	89	5.8W,5.7W		
BJI	V	13 21 31 17.5	15.42S	173.25W	84	5.3s,5.3b		
GCMT	V	13 21 31 21.9–.10	15.76S	172.93W	102–0	5.8W,5.3b		

ISC Event type fe.

PDG Event type ke.

MOS Error ellipse: s-maj=9.6km s-min=6.8km az=61.3.

ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.0km az=145.8.

IDC Error ellipse: s-maj=12.0km s-min=9.0km az=117.0.

NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.1km az=140.0. Felt at Apia, Samoa and at Pago Pago and Utulei, American Samoa. Moment Tensor Solution. s56 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.01 $M_{\theta\theta}$1.90 $M_{\phi\phi}$2.11 $M_{r\theta}$0.97 $M_{\theta\phi}$-0.19 $M_{\phi r}$3.91 Best double couple: NP1: ϕ_s190.00000°,δ72.00000°,λ-87.00000°. NP2:ϕ_s0.00000°,δ19.00000°,λ-100.00000°. Principal axes: T 4.0500,Plg26.0000°,Azm277.0000°; N 1.9900,Plg3.0000°,Azm9.0000° ; P -6.0300,Plg63.0000°,Azm105.0000° $M_0$5.30000×10^{17}

SZGRF Tonga Islands.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=249, per= 50. Moment Tensor Solution. s106,c240; s47,c55; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.37±.05 $M_{\theta\theta}$-1.19±.06; $M_{\phi\phi}$4.56±.06; $M_{r\theta}$1.11±.04; $M_{\theta\phi}$-0.62±.06; $M_{\phi r}$4.18±.04; Best double couple: NP1:ϕ_s331.00000°,δ26.00000°,λ-127.00000°. NP2:ϕ_s191.00000°,δ70.00000°,λ-74.00000°. Principal axes: T 6.3600,Plg23.0000°,Azm269.0000°; N -0.8200,Plg15.0000°,Azm6.0000° ; P -5.5400,Plg62.0000°,Azm126.0000° $M_0$6.00000×10^{17}

IDC V 14 13 52 41.4–2.5 21.84S 174.30W 0 4.2,4.1b ¶16155743

IDC Error ellipse: s-maj=138.4km s-min=23.8km az=152.0.

IDC V 15 02 30 13.5–3.3 16.52S 173.75W 52–30 4.1,3.8 ¶16155753

IDC Error ellipse: s-maj=44.9km s-min=17.7km az=135.0.

IDC V 15 07 39 44.2–7.9 16.46S 175.60W 0 4.0,3.7 ¶16155762

IDC Error ellipse: s-maj=347.1km s-min=38.6km az=141.0.

IDC V 15 17 03 11.9–1.9 15.45S 174.67W 0 4.1,4.0 ¶16155776

IDC Error ellipse: s-maj=179.2km s-min=28.6km az=154.0.

IDC V 15 21 53 18.8–8.2 17.58S 173.55W 0 4.0,3.7 ¶16155781

IDC Error ellipse: s-maj=373.3km s-min=36.9km az=141.0.

IDC V 16 14 37 47.0–1.9 15.67S 175.15W 280–21 3.7,3.3 ¶16155811

IDC Error ellipse: s-maj=86.9km s-min=13.7km az=150.0.

ISC	**V**	**17 06 23 03.9–.31**	**16.97S–.04**	**173.26W–.04**	**74–2**	**5.4b**	**901**	**3-174**
DJA	V	17 06 22 57.3–.40	17S–9.0	174W–8.0	10	5.9b,5.5		¶15154368
BJI	V	17 06 22 59.9	16.80S	173.50W	35	5.3b,5.1s		
MOS	V	17 06 22 59.1–1.5	16.78S	173.47W	33	5.6b,4.5s		
ISCJB	V	17 06 23 03.3–.11	16.80S–.03	173.54W–.03	78	5.2b,4.5s		
AUST	V	17 06 23 03.8	17.00S	172.80W	100	5.2b,4.5s		
NEIC	V	17 06 23 03.5–.10	16.83S	173.49W	67	5.6W,5.6W		
IDC	V	17 06 23 04.5–.46	16.86S	173.51W	74–3	5.0,4.9		
GCMT	V	17 06 23 08.0–.10	16.86S	173.07W	73–1	5.5W,4.9		

ISC Event type se.

MOS Error ellipse: s-maj=8.5km s-min=6.1km az=55.9.

ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.8km az=42.7.

NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.0km az=140.0. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.66 $M_{\theta\theta}$1.79 $M_{\phi\phi}$-0.12 $M_{r\theta}$-0.61 $M_{\theta\phi}$-1.06 $M_{\phi r}$2.00 Best double couple: NP1:ϕ_s145.00000°,δ70.00000°,λ-61.00000°. NP2:ϕ_s267.00000°,δ35.00000°,λ-144.00000°. Principal axes: T 2.7700,Plg20.0000°,Azm213.0000° ; N 0.2700,Plg27.0000°,Azm314.0000°; P -3.0400,Plg55.0000°,Azm92.0000° M_o2.90000×10^{17}

IDC Error ellipse: s-maj=12.9km s-min=8.7km az=147.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=193, per= 50. Moment Tensor Solution. s100,c180; s26,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.25±.04 $M_{\theta\theta}$1.03±.04; $M_{\phi\phi}$0.22±.04; $M_{r\theta}$-0.72±.03; $M_{\theta\phi}$-1.33±.03; $M_{\phi r}$1.78±.03; Best double couple: NP1:ϕ_s275.00000°,δ30.00000°,λ-144.00000°. NP2:ϕ_s153.00000°,δ73.00000°,λ-65.00000°. Principal axes: T 2.7400,Plg24.0000°,Azm224.0000°; N -0.2900,Plg24.0000°,Azm325.0000° ; P -2.4500,Plg55.0000°,Azm95.0000° M_o2.60000×10^{17}

IDC V 17 13 38 34.3–16 16.48S 174.63W 0 4.3,4.1 ¶16155843

IDC Error ellipse: s-maj=312.3km s-min=151.3km az=79.0.

IDC V 17 21 05 55.5–2.8 15.58S 173.32W 0 3.9,3.6 ¶16155855

IDC Error ellipse: s-maj=172.2km s-min=19.5km az=145.0.

IDC V 19 09 54 18.7–48 15.88S 173.67W 0 3.8,3.6 ¶16155902

IDC Error ellipse: s-maj=921.1km s-min=188.4km az=79.0.

IDC V 19 14 52 56.6–1.2 16.26S 173.09W 0 4.0,3.7 ¶16155909

IDC Error ellipse: s-maj=55.7km s-min=27.6km az=140.0.

IDC V 19 23 32 25.6–3.6 15.90S 174.06W 109–27 3.8,3.5 ¶16155925

IDC Error ellipse: s-maj=118.8km s-min=23.8km az=150.0.

IDC V 20 01 02 41.9–5.0 18.37S 173.68W 0 3.8,3.6 ¶16155927

IDC Error ellipse: s-maj=216.0km s-min=36.9km az=138.0.

IDC V 20 07 35 20.1–3.1 15.75S 173.95W 124–21 3.6,3.3 ¶16155941

IDC Error ellipse: s-maj=144.7km s-min=20.4km az=145.0.

IDC V 20 23 10 03.0–9.0 16.25S 174.99W 0 3.7,3.5 ¶16155969

IDC Error ellipse: s-maj=398.4km s-min=38.1km az=140.0.

IDC V 20 23 20 53.6–2.5 15.96S 173.15W 0 4.1,3.8 ¶16155970

IDC Error ellipse: s-maj=143.3km s-min=22.4km az=145.0.

ISC	**V**	**21 00 29 44.3–.75**	**15.31S–.05**	**173.16W–.06**	**34–2**	**5.0b,4.3s**	**388**	**2-175**	
IDC	V	21 00 29 39.0–.41	15.35S	173.18W	0	4.9,4.8L			¶15154435
NEIC	V	21 00 29 41.5–3.6	15.29S	173.24W	16–21	5.1b,4.8L			
MOS	V	21 00 29 43.8–.86	15.24S	172.94W	33	5.2b,4.5s			
ISCJB	V	21 00 29 43.1–.17	15.37S–.04	173.22W–.04	40	5.0b,4.3s			
BJI	V	21 00 29 45.7	15.20S	173.30W	47	5.1b,5.0b			
GCMT	V	21 00 29 51.5–.20	15.32S	172.83W	62–2	5.1W,5.0b			
AUST	V	21 00 29 52.6	16.02S	172.90W	100	5.1W,5.0b			

ISC Event type se.

IDC Error ellipse: s-maj=16.3km s-min=10.5km az=122.0.

NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.9km az=144.0.

MOS Error ellipse: s-maj=13.9km s-min=7.9km az=62.2.

ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.4km az=140.8.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s36,c44; s72,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.22 $M_{\theta\theta}$3.64±.23; $M_{\phi\phi}$-3.02±.23; $M_{r\theta}$-3.91±.12; $M_{\theta\phi}$2.23±.24; $M_{\phi r}$1.46±.11; Best double couple: NP1:ϕ_s208.00000°,δ43.00000°,λ-175.00000°. NP2:ϕ_s114.00000°,δ87.00000°,λ-47.00000°. Principal axes: T 6.1200,Plg28.0000° ,Azm171.0000°; N -0.6900,Plg43.0000°,Azm291.0000°; P -5.4400,Plg34.0000° ,Azm60.0000° M_o5.80000×10^{16}

IDC V 21 09 15 02.1–2.6 15.01S 174.21W 99–26 3.9,3.6 ¶16155984

IDC Error ellipse: s-maj=39.3km s-min=17.6km az=145.0.

IDC V 21 22 40 33.0–11 15.91S 175.81W 0 4.1,3.9 ¶16156004

IDC Error ellipse: s-maj=558.3km s-min=53.5km az=140.0.

ISC	**V**	**22 00 45 02.2–.80**	**16.03S–.07**	**173.52W–.06**	**60–6**	**4.8b**	**265**	**3-175**	
IDC	V	22 00 44 54.3–.44	15.91S	173.59W	0	5.0,4.8			¶15154463
ISCJB	V	22 00 44 58.6–.18	16.05S–.05	173.59W–.04	40	4.9b,4.3s			
BJI	V	22 00 44 59.7	15.90S	173.70W	45	5.1b,5.0s			
NEIC	V	22 00 44 59.6–.15	15.95S	173.65W	35	4.8b,5.0s			
AUST	V	22 00 45 02.3–.00	15.91S	172.99W	94–0	4.8b,5.0s			

ISC Event type se.

IDC Error ellipse: s-maj=18.3km s-min=12.2km az=133.0.

ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.3km az=151.8.

NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.9km az=144.0.

AUST Error ellipse: s-maj=1.3km s-min=1.1km az=258.0.

IDC V 22 01 26 20.1–2.1 15.24S 174.01W 0 4.2,4.0 ¶16156008

IDC Error ellipse: s-maj=139.6km s-min=25.4km az=151.0.

IDC V 22 03 27 43.6–7.2 16.09S 175.23W 0 4.3,4.0 ¶16156012

IDC Error ellipse: s-maj=315.5km s-min=33.7km az=140.0.

IDC V 22 04 26 38.3–1.5 15.13S 173.55W 0 4.1,3.9 ¶16156013

IDC Error ellipse: s-maj=97.6km s-min=17.8km az=149.0.

IDC V 22 04 43 40.0–46 15.65S 174.90W 0 4.3,4.1 ¶16156014

IDC Error ellipse: s-maj=879.8km s-min=171.7km az=78.0.

ISC	**V**	**24 10 16 46.6–.92**	**17.9S–.20**	**174.5W–.20**	**50**	**5.0s,4.2b**	**23**	**5-85**	
IDC	V	24 10 16 40.0–1.1	17.90S	174.49W	0	4.5,4.5s			¶13679538
ISCJB	V	24 10 16 45.1–.78	17.9S–.20	174.5W–.20	50	4.6s,4.2b			
NEIC	V	24 10 16 48.0–1.4	17.99S	174.51W	62–14	4.6b,4.2b			

ISC Event type se.

IDC Error ellipse: s-maj=47.3km s-min=17.8km az=141.0.

ISCJB Event type se. Error ellipse: s-maj=31.8km s-min=11.4km az=137.6.

NEIC Event type se. Error ellipse: s-maj=22.7km s-min=9.4km az=136.0.

IDC V 24 17 26 32.4–4.8 17.96S 174.77W 0 4.0,3.8 ¶16156110

IDC Error ellipse: s-maj=166.4km s-min=92.2km az=150.0.

IDC V 24 19 55 22.3–3.1 16.71S 174.76W 153–27 3.7,3.4 ¶16156120

IDC Error ellipse: s-maj=115.2km s-min=18.2km az=145.0.

IDC V 25 06 49 33.8–.75 17.29S 173.78W 0 4.3,4.3 ¶16156135

IDC Error ellipse: s-maj=40.0km s-min=18.3km az=140.0.

IDC V 26 00 36 33.6–54 16.60S 175.52W 0 4.1,3.9 ¶16156164

IDC Error ellipse: s-maj=1017.0km s-min=180.3km az=79.0.

IDC V 26 05 16 16.4–.66 21.13S 175.95W 0 4.3,4.1 ¶16156174

IDC Error ellipse: s-maj=32.8km s-min=21.5km az=136.0.

IDC V 26 23 05 46.8–4.5 16.47S 174.94W 0 4.0,3.8 ¶16156198

IDC Error ellipse: s-maj=203.4km s-min=31.1km az=137.0.

IDC V 27 04 03 10.6–7.6 18.75S 174.61W 0 4.1,3.7 ¶16156207

IDC Error ellipse: s-maj=330.8km s-min=39.6km az=142.0.

IDC V 27 05 25 11.0–5.8 15.29S 173.56W 82–45 3.9,3.6 ¶16156209

IDC Error ellipse: s-maj=203.4km s-min=24.4km az=153.0.

ISC	**V**	**27 05 47 25.4–.56**	**15.0S–.20**	**173.3W–.10**	**10**	**4.1b,3.6s**	**29**	**2-146**	
ISCJB	V	27 05 47 24.0–.50	15.0S–.10	173.4W–.10	10	4.0b,3.5s			¶13232188
IDC	V	27 05 47 24.8–.73	15.03S	173.62W	0	4.2,4.1			
NEIC	V	27 05 47 25.6–.55	15.05S	173.35W	10	4.6b,4.1			

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=9.8km az=143.4.

IDC Error ellipse: s-maj=40.2km s-min=18.1km az=139.0.

NEIC Event type se. Error ellipse: s-maj=26.8km s-min=11.6km az=142.0.

IDC V 28 08 51 17.9–7.4 17.62S 173.31W 0 4.0,3.8 ¶16156255

IDC Error ellipse: s-maj=249.9km s-min=32.7km az=128.0.

IDC V 28 09 12 06.4–9.1 21.12S 173.39W 0 4.2,3.9 ¶16156258

IDC Error ellipse: s-maj=400.9km s-min=39.2km az=144.0.

IDC V 28 12 23 11.8–7.1 18.63S 175.77W 135–53 4.1s,4.1 ¶16156266

IDC Error ellipse: s-maj=141.8km s-min=17.3km az=152.0.

IDC V 28 21 36 14.0–2.9 15.10S 173.24W 0 3.8,3.6 ¶16156284

IDC Error ellipse: s-maj=207.0km s-min=26.2km az=147.0.

ISC	**V**	**29 14 48 43.6–.29**	**16.89S–.05**	**174.86W–.04**	**285–2**	**4.8b**	**540**	**4-175**	
ISCJB	V	29 14 48 38.7–.67	16.84S–.04	174.95W–.03	249–6	4.7b			¶15155584
DJA	V	29 14 48 40.4–1.0	17S–11	175W–11	248–13	5.7,5.6b			
AUST	V	29 14 48 41.5–.00	16.84S	174.80W	263–0	5.7,5.6b			
NEIC	V	29 14 48 42.3–.14	16.99S	174.92W	277	4.8b,5.6b			
IDC	V	29 14 48 42.8–.62	16.88S	175.01W	273–5	4.4,4.4			
BJI	V	29 14 48 43.9	16.50S	174.82W	286	4.7b,4.5b			
SZGRF	V	29 14 48 44.5	16.90S	173.32W	282	4.7b,4.5b			
GCMT	V	29 14 48 47.1–.60	16.74S	174.65W	297–1	5.2W,4.5b			

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.8km az=139.0.

AUST Error ellipse: s-maj=1.1km s-min=1.0km az=310.0.

NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.8km az=146.0.

IDC Error ellipse: s-maj=10.9km s-min=7.7km az=138.0.

SZGRF Tonga Islands.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.66±.28 $M_{\theta\theta}$5.45±.49; $M_{\phi\phi}$1.21±.49; $M_{r\theta}$1.64±.39; $M_{\theta\phi}$3.60±.40; $M_{\phi r}$0.55±.40; Best double couple: NP1:ϕ_s57.00000°,δ38.00000°,λ-95.00000°. NP2: ϕ_s243.00000°,δ52.00000°,λ-86.00000°. Principal axes: T 7.7100,Plg7.0000°,Azm331.0000° ; N -0.8300,Plg3.0000°,Azm61.0000°; P -6.8800,Plg83.0000°,Azm175.0000° M_o7.30000×10^{16}

ISC	**V**	**29 23 32 00.9–.62**	**17.77S–.09**	**175.02W–.09**	**228**	**4.5b**	**32**	**5-148**	
ISCJB	V	29 23 31 59.7–.53	17.78S–.10	175.09W–.09	228	4.4b			¶15155589
IDC	V	29 23 32 00.1–2.2	17.90S	175.24W	209–24	4.8s,4.8			
NEIC	V	29 23 32 02.7–1.4	17.90S	174.86W	252–16	4.8b,4.8			
AUST	V	29 23 32 04.0–.02	17.69S	174.70W	276–0	4.8b,4.8			

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=7.9km az=141.7.

IDC Error ellipse: s-maj=24.4km s-min=17.1km az=105.0.

NEIC Event type se. Error ellipse: s-maj=27.5km s-min=17.2km az=147.0.

AUST Error ellipse: s-maj=1.5km s-min=1.5km az=355.0.

IDC V 30 11 11 03.4–6.9 17.64S 174.58W 0 4.2,3.9 ¶16066078

IDC Error ellipse: s-maj=312.2km s-min=32.8km az=142.0.

IDC V 30 22 13 08.1–2.2 18.02S 173.98W 0 4.3,4.0 ¶16066093

IDC Error ellipse: s-maj=133.9km s-min=24.1km az=144.0.

IDC VI 03 02 23 12.7–51 16.85S 173.58W 0 4.0,3.8 ¶16100878

IDC Error ellipse: s-maj=975.1km s-min=176.9km az=80.0.

IDC VI 03 07 38 05.7–4.6 15.73S 173.15W 0 3.9,3.8 ¶16100893

IDC Error ellipse: s-maj=215.2km s-min=26.9km az=138.0.

IDC VI 04 09 35 36.0–1.8 15.06S 175.72W 0 4.0,3.9 ¶16100931

IDC Error ellipse: s-maj=60.4km s-min=28.8km az=172.0.

IDC VI 04 12 58 12.2–28 19.14S 175.35W 0 4.0,3.8 ¶16100941

IDC Error ellipse: s-maj=542.1km s-min=143.9km az=88.0.

ISC	**VI**	**04 13 16 53.2–.48**	**15.43S–.09**	**173.02W–.09**	**29**	**4.2b,4.0s**	**48**	**2-146**	
IDC	VI	04 13 16 49.9–.63	15.33S	173.35W	0	4.4,4.3			¶13439907
NEIC	VI	04 13 16 50.2–.45	15.44S	173.11W	10	4.5b,4.3			

ISC Event type se.

IDC Error ellipse: s-maj=29.2km s-min=15.6km az=131.0.

NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.5km az=143.0.

IDC VI 04 13 19 05.8–1.3 15.28S 173.43W 0 4.1,3.9 ¶16100942

IDC Error ellipse: s-maj=44.8km s-min=30.4km az=130.0.

IDC VI 04 13 21 54.7–10 15.44S 173.06W 0 3.9,3.6 ¶16100944

IDC Error ellipse: s-maj=528.3km s-min=27.2km az=141.0.

IDC VI 04 13 26 14.2–3.8 15.41S 173.21W 0 4.0,3.8 ¶16100945

IDC Error ellipse: s-maj=190.2km s-min=25.3km az=139.0.

IDC VI 04 13 51 29.5–2.2 15.50S 173.09W 0 4.2,3.9 ¶16100947

IDC Error ellipse: s-maj=128.4km s-min=21.0km az=145.0.

ISC	**VI**	**05 00 39 01.6–.51**	**16.52S–.08**	**173.63W–.09**	**66**	**4.5b**	**68**	**3-174**	
ISCJB	VI	05 00 39 00.2–.34	16.48S–.09	173.7W–.10	66	4.4b			¶12925404
IDC	VI	05 00 39 00.0–3.1	16.46S	173.83W	54–28	4.4,4.2			
NEIC	VI	05 00 39 04.2–1.3	16.39S	173.73W	90–12	4.4b,4.2			

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=6.6km az=42.1.

IDC Error ellipse: s-maj=28.3km s-min=13.9km az=133.0.

NEIC Event type se. Error ellipse: s-maj=20.8km s-min=8.0km az=139.0.

IDC VI 06 13 04 22.4–2.6 21.83S 175.95W 0 4.1,3.9 ¶16101014

IDC Error ellipse: s-maj=127.0km s-min=30.3km az=149.0.

IDC VI 06 17 19 59.2–2.0 15.29S 174.26W 0 4.2,4.1 ¶16101024

IDC Error ellipse: s-maj=134.5km s-min=26.3km az=152.0.

IDC VI 06 22 19 56.0–2.2 18.25S 175.67W 166–29 4.0,3.9 ¶16101032

IDC Error ellipse: s-maj=31.6km s-min=18.0km az=115.0.

IDC VI 07 01 18 29.1–4.7 15.90S 175.99W 0 4.4,4.2 ¶16101041

IDC Error ellipse: s-maj=177.2km s-min=94.6km az=154.0.

IDC VI 08 12 54 21.8–58 16.03S 174.42W 0 4.0,3.8 ¶16101106

IDC Error ellipse: s-maj=1102.0km s-min=172.9km az=79.0.

IDC VI 09 21 22 47.8–55 16.11S 174.26W 0 3.8,3.7 ¶16101163

IDC Error ellipse: s-maj=1049.0km s-min=178.2km az=79.0.

IDC VI 10 00 43 32.2–30 15.84S 173.60W 0 4.2,4.0b ¶16101165

IDC Error ellipse: s-maj=597.5km s-min=156.7km az=86.0.

IDC VI 10 13 22 56.8–7.7 18.97S 175.63W 0 3.9,3.6 ¶16101180

IDC Error ellipse: s-maj=333.0km s-min=39.6km az=143.0.

IDC VI 10 21 07 39.4–7.5 18.22S 173.72W 0 4.1s,4.1 ¶16101188

IDC Error ellipse: s-maj=327.5km s-min=36.8km az=141.0.

IDC VI 11 05 56 41.9–27 19.28S 173.58W 0 4.1,3.9 ¶16101199

IDC Error ellipse: s-maj=494.5km s-min=164.7km az=73.0.

ISC	**VI**	**11 07 06 49.3–.70**	**17.6S–.10**	**174.78W–.10**	**256**	**3.9b**	**31**	**5-148**	
NEIC	VI	11 07 06 48.0–1.2	17.85S	174.99W	213–10	4.0b			¶15156023
IDC	VI	11 07 06 47.0–3.1	17.54S	175.27W	190–20	4.1,4.0			
ISCJB	VI	11 07 06 48.4–.54	17.6S–.10	174.85W–.09	256	3.9b,4.0			
AUST	VI	11 07 06 51.5–10	17.58S	174.33W	299–0	3.9b,4.0			

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=26.7km s-min=9.4km az=150.0.

IDC Error ellipse: s-maj=133.3km s-min=15.7km az=141.0.

ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=7.9km az=148.3.

AUST Error ellipse: s-maj=5.1km s-min=2.1km az=260.0.

IDC VI 13 09 48 32.9–56 17.26S 175.60W 0 4.3,4.1b ¶16101273

IDC Error ellipse: s-maj=1048.0km s-min=181.3km az=79.0.

IDC VI 14 08 56 46.7–1.9 16.09S 173.50W 0 4.2,3.9 ¶16101309

IDC Error ellipse: s-maj=89.6km s-min=21.3km az=145.0.

IDC VI 14 17 44 02.4–3.6 16.84S 173.72W 78–42 3.7,3.6

¶16101330
IDC Error ellipse: s-maj=51.5km s-min=30.3km az=139.0.
ISC VI 14 20 49 51.7–.74 20.0S–.10 175.3W–.10 137 4.4b 32 7-150
ISCJB VI 14 20 49 48.9–.67 19.90S–.09 175.3W–.10 137 4.3b ¶13681382
IDC VI 14 20 49 51.9–3.0 20.05S 175.55W 124–29 4.1,4.1
NEIC VI 14 20 49 52.8–1.8 19.98S 175.47W 144–19 4.9b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=8.8km az=31.9.
IDC Error ellipse: s-maj=27.1km s-min=19.7km az=116.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=13.6km az=115.0.
IDC VI 15 13 11 59.9–2.4 21.04S 174.57W 0 4.1,3.9
¶16101365
IDC Error ellipse: s-maj=108.0km s-min=25.5km az=144.0.
ISC VI 16 04 14 06.1–.52 21.2S–.10 174.4W–.10 27 4.3b,4.1s 65 8-152
IDC VI 16 04 14 01.9–.59 21.23S 174.50W 0 4.4,4.4 ¶13222204
ISCJB VI 16 04 14 04.4–.42 21.2S–.10 174.6W–.10 27 4.3b,4.0s
NEIC VI 16 04 14 07.0–.31 21.18S 174.57W 35 4.4b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=17.6km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=10.7km az=142.2.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=8.9km az=139.0.
IDC VI 17 09 01 52.1–8.6 16.74S 175.24W 266–198 3.4,3.3
¶16101430
IDC Error ellipse: s-maj=179.1km s-min=35.1km az=68.0.
IDC VI 18 02 52 32.5–11 15.46S 175.68W 317–111 3.6,3.3
¶16101454
IDC Error ellipse: s-maj=128.1km s-min=27.5km az=148.0.
IDC VI 18 06 51 38.8–4.8 16.63S 174.50W 77–32 3.7,3.5
¶16101459
IDC Error ellipse: s-maj=132.0km s-min=18.4km az=147.0.
IDC VI 18 08 53 34.5–9.7 18.23S 174.43W 174–41 3.5,3.2
¶16101462
IDC Error ellipse: s-maj=304.0km s-min=27.3km az=141.0.
IDC VI 18 12 10 07.8–17 20.39S 175.54W 0 4.2,4.1
¶16101466
IDC Error ellipse: s-maj=325.2km s-min=151.9km az=81.0.
IDC VI 18 17 20 35.4–64 21.90S 175.21W 0 4.2,4.0
¶16101476
IDC Error ellipse: s-maj=1200.0km s-min=177.1km az=86.0.
IDC VI 18 23 37 29.3–2.8 15.99S 173.16W 0 4.2,3.9
¶16101485
IDC Error ellipse: s-maj=162.7km s-min=24.0km az=149.0.
IDC VI 19 16 27 52.4–4.8 16.24S 175.05W 0 4.1,4.0
¶16101507
IDC Error ellipse: s-maj=167.6km s-min=97.0km az=155.0.
IDC VI 20 03 10 48.5–26 19.44S 173.78W 0 4.4,4.3
¶16101518
IDC Error ellipse: s-maj=483.2km s-min=157.0km az=74.0.
IDC VI 20 04 21 22.9–7.0 15.20S 173.06W 0 4.1,3.9
¶16101521
IDC Error ellipse: s-maj=375.8km s-min=25.3km az=144.0.
IDC VI 20 14 30 35.7–3.6 17.22S 174.75W 0 4.1,4.0
¶16101537
IDC Error ellipse: s-maj=157.3km s-min=76.1km az=158.0.
IDC VI 20 15 53 25.4–3.7 19.71S 175.29W 66–43 3.9,3.8
¶16101538
IDC Error ellipse: s-maj=57.3km s-min=26.0km az=113.0.
IDC VI 20 17 16 29.6–2.8 15.22S 173.33W 0 3.9,3.7
¶16101544
IDC Error ellipse: s-maj=164.4km s-min=22.9km az=144.0.
ISC VI 20 22 42 55.2–.42 16.83S–.09 173.91W–.07 124 4.6b 188 4-174
NEIC VI 20 22 42 48.8–.79 16.68S 174.08W 65–7 4.8b ¶13202260
IDC VI 20 22 42 48.9–2.9 16.47S 174.09W 59–26 4.4,4.3
BJI VI 20 22 42 48.2 16.56S 173.88W 78 5.3b,5.1s
SZGRF VI 20 22 42 51.2 17.25S 173.84W 87 5.3b,5.1s
ISCJB VI 20 22 42 53.9–.29 16.81S–.08 174.00W–.06 124 4.6b,5.1s
ISC Event type se.
NEIC Event type se.
SZGRF Tonga Islands.
ISCJB Event type se.
IDC VI 21 06 23 02.8–1.7 16.09S 174.66W 0 4.2,4.1
¶16101562
IDC Error ellipse: s-maj=50.9km s-min=29.0km az=143.0.
ISC VI 21 21 15 55.8–.71 19.9S–.10 175.7W–.10 204 4.0b 32 6-150
IDC VI 21 21 15 54.7–2.8 19.67S 175.95W 170–25 4.1,3.9 ¶13681809
ISCJB VI 21 21 15 55.3–.57 19.8S–.10 175.75W–.08 204 4.0b,3.9
NEIC VI 21 21 15 55.7–.98 19.80S 175.75W 191–10 4.8b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=13.6km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=9.7km az=159.3.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.4km az=159.0.
IDC VI 22 01 41 28.1–3.7 18.31S 174.89W 0 4.1,3.8
¶16101595
IDC Error ellipse: s-maj=202.4km s-min=29.3km az=148.0.
ISC VI 22 15 24 17.1–.66 18.7S–.10 173.6W–.10 31 4.5b,4.1s 55 5-149
IDC VI 22 15 24 11.7–.93 18.78S 173.49W 0 4.5,4.3b ¶13568802
ISCJB VI 22 15 24 14.9–.63 18.92S–.10 173.4W–.10 33 4.4b,4.0s
NEIC VI 22 15 24 18.9–5.4 18.80S 173.53W 50–47 4.8b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=17.7km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=11.2km az=41.8.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=19.0km az=155.0.
ISC VI 23 06 30 13.4–.43 16.05S–.06 174.06W–.05 112–3 4.8b 270 3-175
ISCJB VI 23 06 30 11.9–1.0 16.03S–.06 174.15W–.05 109–8 4.9b ¶13217778
BJI VI 23 06 30 11.8 16.00S 174.20W 114 5.2b,4.8b
MOS VI 23 06 30 14.4–1.1 15.99S 174.06W 126 4.8b,4.8b
IDC VI 23 06 30 15.0–2.1 16.10S 174.01W 121–19 4.7,4.6
NEIC VI 23 06 30 16.0–1.5 16.08S 174.07W 133–13 4.8b,4.6
GCMT VI 23 06 30 22.1–.30 16.15S 173.51W 162–3 5.1W,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.0km az=144.4.
MOS Error ellipse: s-maj=13.9km s-min=8.5km az=135.2.
IDC Error ellipse: s-maj=17.4km s-min=10.7km az=134.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.0km az=148.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s33,c41; s63,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.19±.23 $M_{\theta\theta}$-1.45±.27; $M_{\phi\phi}$1.64±.25; $M_{r\theta}$-2.20±.19; $M_{\theta\phi}$0.11±.27; $M_{\phi r}$4.27±.14; Best double couple: NP1:ϕ_s51.00000°,δ16.00000°,λ-10.00000°. NP2:ϕ_s150.00000°,δ87.00000°,λ-106.00000°. Principal axes: T 5.3500,Plg40.0000° ,Azm255.0000°; N -0.6800,Plg16.0000°,Azm151.0000°; P -4.6800,Plg45.0000° ,Azm44.0000° $M_0$5.00000×10^{16}
IDC VI 23 07 47 53.7–27 20.98S 173.88W 0 4.2,4.1
¶16101639
IDC Error ellipse: s-maj=501.0km s-min=157.3km az=76.0.
ISC VI 23 12 06 23.9–.59 15.19S–.08 173.54W–.09 33–2 4.7b,4.0s 171 2-175
IDC VI 23 12 06 18.5–.51 15.26S 173.45W 0 4.6,4.5 ¶13222219
ISCJB VI 23 12 06 22.7–.26 15.22S–.07 173.62W–.07 33 4.7b,4.0s
BJI VI 23 12 06 24.6 15.10S 173.70W 35 5.1b,4.9b
NEIC VI 23 12 06 24.3–.19 15.23S 173.57W 35 4.7b,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=22.6km s-min=13.6km az=135.0.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=6.5km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=5.0km az=140.0. Felt at Salamumu, Samoa.
IDC VI 23 18 40 39.9–28 21.78S 173.86W 0 4.2,4.1
¶16101660
IDC Error ellipse: s-maj=511.3km s-min=147.3km az=77.0.
IDC VI 24 11 14 02.0–7.5 15.85S 173.55W 0 3.6,3.5
¶16101691
IDC Error ellipse: s-maj=356.0km s-min=25.4km az=142.0.
IDC VI 24 15 40 14.0–2.6 18.52S 175.41W 167–25 3.9,3.8
¶16101698
IDC Error ellipse: s-maj=23.1km s-min=13.1km az=124.0.
ISC VI 24 16 48 32.1–.41 20.99S–.08 174.07W–.09 26 4.8b,4.3s 204 7-171
IDC VI 24 16 48 27.9–.58 20.90S 174.26W 0 4.7,4.6 ¶13256716
ISCJB VI 24 16 48 30.4–.33 21.02S–.07 174.21W–.07 26 4.7b,4.3s
NEIC VI 24 16 48 33.1–.30 20.95S 174.22W 35 4.8b,4.3s
BJI VI 24 16 48 34.0 21.12S 173.37W 82 4.9b,4.8s
GCMT VI 24 16 48 34.8–.40 21.09S 173.69W 19–1 4.9W,4.8s
MOS VI 24 16 48 39.8–1.5 20.25S 175.69W 33 5.0b,4.8s
SZGRF VI 24 16 48 42.5 21.43S 172.40W 33 5.0b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=14.6km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.1km az=147.4.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.1km az=140.0.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s21,c29; s50,c72; Moment tensor: Scale 10^{16}Nm; M_{rr}2.49±.22 $M_{\theta\theta}$-0.40±.14; $M_{\phi\phi}$-2.08±.14; $M_{r\theta}$0.99±.31; $M_{\theta\phi}$-0.94±.07; $M_{\phi r}$1.49±.25; Best double couple: NP1:ϕ_s199.00000°,δ28.00000°,λ80.00000°. NP2:ϕ_s30.00000°,δ63.00000°,λ95.00000°. Principal axes: T 3.0800,Plg72.0000° ,Azm311.0000°; N 0.0000,Plg4.0000°,Azm207.0000°; P -3.0700,Plg18.0000°,Azm116.0000° $M_0$3.10000×10^{16}
MOS Error ellipse: s-maj=20.5km s-min=14.5km az=15.6.
SZGRF Tonga Islands region.
IDC VI 26 19 07 36.1–2.3 18.68S 175.36W 225–25 3.8,3.7
¶16101761
IDC Error ellipse: s-maj=19.9km s-min=16.3km az=56.0.
IDC VI 27 02 41 19.3–2.2 16.82S 173.41W 0 3.9,3.8
¶16101774
IDC Error ellipse: s-maj=61.0km s-min=30.9km az=120.0.
IDC VI 28 07 59 47.7–44 18.20S 174.44W 0 4.0,3.9
¶16101816
IDC Error ellipse: s-maj=843.0km s-min=161.1km az=81.0.
IDC VI 28 22 33 45.7–28 20.38S 173.49W 0 4.2,4.1
¶16101838
IDC Error ellipse: s-maj=515.6km s-min=164.3km az=76.0.

(174) Tonga Islands region.

ISC I 03 07 32 36.4–.85 22.7S–.50 174.26W–.08 22 4.3b 16 14-48
ISCJB I 03 07 32 34.1–.76 22.8S–.50 174.26W–.09 22 4.2b ¶12079879
IDC I 03 07 32 35.9–2.2 22.67S 174.67W 0 4.4L,4.3
NEIC I 03 07 32 40.0–.83 22.81S 174.55W 35 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=79.1km s-min=9.5km az=175.4.
IDC Error ellipse: s-maj=91.7km s-min=39.2km az=176.0.
NEIC Event type se. Error ellipse: s-maj=73.4km s-min=13.8km az=176.0.
IDC I 06 19 02 24.4–29 22.59S 175.44W 0 4.0,3.9b
¶12080543
IDC Error ellipse: s-maj=523.0km s-min=142.6km az=78.0.
IDC I 06 19 16 35.3–27 23.18S 173.79W 0 4.1,4.0b
¶12080544
IDC Error ellipse: s-maj=506.5km s-min=146.6km az=79.0.
ISC I 10 12 35 41.4–.52 23.27S–.09 175.55W–.10 30 4.5b,3.6s 56 10-170
IDC I 10 12 35 37.2–.71 23.48S 175.74W 0 4.6,4.5 ¶11659107
ISCJB I 10 12 35 39.1–.61 23.5S–.10 175.6W–.10 30 4.5b,3.6s
NEIC I 10 12 35 41.6–.54 23.51S 175.59W 35 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=18.8km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=10.7km az=153.2.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=11.0km az=156.0.
IDC I 11 08 08 19.6–28 23.19S 173.27W 0 4.0,3.9b
¶12081018
IDC Error ellipse: s-maj=514.6km s-min=148.4km az=79.0.
IDC I 11 13 52 34.0–17 23.23S 174.34W 0 4.3,4.2b
¶12081036
IDC Error ellipse: s-maj=326.9km s-min=142.0km az=83.0.
ISC I 13 10 38 17.3–.33 22.78S–.07 175.20W–.06 30 5.1b,4.3s 388 8-170
BJI I 13 10 38 15.0 22.58S 174.58W 35 5.6b,5.4s ¶11594604
ISCJB I 13 10 38 16.5–.21 22.78S–.06 175.22W–.05 39 5.0b,4.3s
IDC I 13 10 38 18.0–.64 22.70S 175.29W 37–5 4.6,4.6
NEIC I 13 10 38 18.0–.23 22.79S 175.21W 40 5.0b,4.6
MOS I 13 10 38 20.1–3.5 22.28S 175.58W 33 5.2b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.2km az=154.3.
IDC Error ellipse: s-maj=18.6km s-min=12.1km az=147.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.0km az=147.0.
MOS Error ellipse: s-maj=12.3km s-min=11.1km az=41.5.
ISC I 15 20 50 18.5–.77 23.4S–.20 174.27W–.09 35 4.3b 38 9-154
IDC I 15 20 50 14.6–1.4 23.21S 174.58W 0 4.5,4.4 ¶12081369
NEIC I 15 20 50 19.7–.57 23.32S 174.57W 35 4.8b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=64.0km s-min=20.4km az=160.0.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=11.0km az=166.0.
ISC I 16 10 00 55.9–.68 23.9S–.20 175.3W–.10 40–6 4.5b 52 9-169
IDC I 16 10 00 55.9–.87 23.77S 175.41W 40–4 4.2,4.0b ¶11667126
NEIC I 16 10 00 55.5–.73 23.94S 175.37W 42 4.9b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=38.6km s-min=18.2km az=157.0.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=17.1km az=171.0.
IDC I 17 11 11 01.0–1.8 22.01S 175.10W 0 4.3,4.0
¶12081529
IDC Error ellipse: s-maj=87.2km s-min=23.2km az=150.0.
IDC I 19 18 57 33.7–51 22.30S 174.42W 0 4.0,3.8b
¶12081789
IDC Error ellipse: s-maj=970.1km s-min=162.6km az=87.0.
IDC I 21 10 16 26.7–28 23.28S 173.09W 0 4.3,4.1b
¶12081958
IDC Error ellipse: s-maj=526.4km s-min=162.1km az=77.0.
IDC I 21 13 45 29.4–1.6 22.76S 174.39W 0 4.7L,4.3
¶12081972
IDC Error ellipse: s-maj=56.0km s-min=22.6km az=148.0.
IDC I 21 17 50 21.5–27 23.64S 173.90W 0 4.7,4.5b
¶12081990
IDC Error ellipse: s-maj=504.7km s-min=136.5km az=79.0.
ISC I 21 18 26 58.7–7.9 23.7S–1.0 174.7W–.80 35 4.5b 14 36-56
IDC I 21 18 26 45.4–17 22.89S 173.75W 0 4.5,4.3b ¶12081994
NEIC I 21 18 26 58.2–5.5 23.67S 174.71W 35 4.8b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=319.8km s-min=136.8km az=81.0.
NEIC Event type se. Error ellipse: s-maj=134.0km s-min=24.8km az=222.0.
IDC I 21 18 27 56.4–17 22.84S 173.77W 0 4.6,4.4b
¶12081995
IDC Error ellipse: s-maj=319.8km s-min=136.7km az=81.0.
IDC I 23 18 31 36.0–27 23.43S 172.95W 0 4.3,4.1b
¶12082153
IDC Error ellipse: s-maj=493.1km s-min=146.1km az=79.0.
IDC I 24 23 32 10.8–27 23.39S 173.26W 0 4.3,4.1b
¶12082261
IDC Error ellipse: s-maj=493.7km s-min=151.8km az=77.0.
IDC I 26 00 51 12.7–8.7 17.19S 171.66W 0 4.0,3.7b
¶12082335
IDC Error ellipse: s-maj=379.0km s-min=39.6km az=140.0.
IDC I 26 14 29 31.1–56 23.22S 175.74W 0 4.0,3.9b
¶12082378
IDC Error ellipse: s-maj=1034.0km s-min=168.8km az=88.0.
IDC I 29 11 19 04.7–1.6 22.74S 175.17W 0 4.5,4.3
¶11713951
IDC Error ellipse: s-maj=78.8km s-min=23.1km az=154.0.
IDC I 30 21 59 10.5–5.7 23.33S 175.69W 0 4.6,4.5b
¶12082766
IDC Error ellipse: s-maj=139.8km s-min=96.8km az=147.0.
IDC I 30 22 03 44.1–26 22.39S 171.94W 0 4.3,4.1b
¶12082768
IDC Error ellipse: s-maj=495.7km s-min=158.8km az=77.0.

IDC II 02 21 05 18.6–28 22.01S 173.67W 0 4.3,4.1 ¶15954913
IDC Error ellipse: s-maj=514.4km s-min=152.3km az=77.0.
IDC II 02 23 54 60.0–51 22.81S 174.25W 0 4.3,4.2 ¶15954918
IDC Error ellipse: s-maj=963.7km s-min=170.9km az=87.0.
IDC II 04 13 16 23.7–25 18.87S 172.75W 0 4.1,4.0 ¶15955013
IDC Error ellipse: s-maj=472.6km s-min=149.2km az=74.0.
IDC II 04 22 14 18.4–1.4 17.61S 172.13W 0 4.2,4.0 ¶11730067
IDC Error ellipse: s-maj=64.7km s-min=22.5km az=146.0.
IDC II 05 03 19 49.3–51 22.91S 172.92W 0 4.4,4.3 ¶15955054
IDC Error ellipse: s-maj=967.0km s-min=178.9km az=88.0.
IDC II 06 22 40 27.2–47 22.63S 171.49W 0 4.1,4.0 ¶15955158
IDC Error ellipse: s-maj=915.7km s-min=199.3km az=88.0.
IDC II 07 17 33 07.0–25 22.08S 171.49W 0 4.5,4.3 ¶15955188
IDC Error ellipse: s-maj=464.2km s-min=148.1km az=77.0.
IDC II 07 23 13 03.3–27 20.76S 172.68W 0 4.3,4.2 ¶15955198
IDC Error ellipse: s-maj=497.1km s-min=166.8km az=75.0.
ISC II 10 04 10 12.5–.70 22.7S–.10 175.4W–.10 33 4.0b 24 8-170
IDC II 10 04 10 07.5–.78 22.61S 175.37W 0 4.3,4.1 **¶12699890**
ISCJB II 10 04 10 11.0–.72 22.7S–.10 175.4W–.10 33 4.0b,3.6s
NEIC II 10 04 10 13.5–2.4 22.65S 175.41W 42–19 4.1b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=21.2km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=15.8km az=163.7.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=11.6km az=132.0.
IDC II 11 07 17 53.7–.97 18.20S 172.67W 0 4.1,3.9 ¶15955410
IDC Error ellipse: s-maj=43.7km s-min=21.5km az=142.0.
IDC II 22 20 14 11.5–.93 23.28S 175.95W 0 4.1,4.0 ¶15956967
IDC Error ellipse: s-maj=34.5km s-min=22.4km az=161.0.
IDC II 24 08 52 35.4–51 17.02S 171.98W 0 4.2,4.0 ¶15957152
IDC Error ellipse: s-maj=1000.0km s-min=183.5km az=81.0.
IDC II 26 02 39 21.4–.79 23.37S 175.89W 0 4.4,4.2 ¶11938310
IDC Error ellipse: s-maj=30.1km s-min=21.9km az=160.0.
IDC III 02 16 02 28.5–17 22.58S 174.11W 0 4.1,4.0b ¶12702279
IDC Error ellipse: s-maj=319.3km s-min=147.0km az=81.0.
IDC III 03 13 10 13.7–27 20.58S 171.22W 0 4.1,4.0b ¶12702350
IDC Error ellipse: s-maj=518.9km s-min=177.9km az=74.0.
IDC III 15 16 47 14.0–17 22.63S 174.80W 0 4.4,4.2b ¶12703365
IDC Error ellipse: s-maj=323.3km s-min=140.1km az=82.0.
IDC III 15 17 01 50.5–27 22.96S 175.96W 0 4.4,4.2b ¶12703366
IDC Error ellipse: s-maj=534.9km s-min=145.7km az=93.0.
ISC III 19 18 17 40.7–.30 23.16S–.03 174.59W–.03 31–1 7.6s,7.0b 2501 7-180
WEL III 19 18 17 23.6–2.3 23.72S 171.71W 12 7.9W,7.0b **¶15153302**
IDC III 19 18 17 35.8–.31 23.01S 174.74W 0 7.4s,7.4
ISCJB III 19 18 17 38.7–.08 23.09S–.03 174.62W–.02 31 7.6s,6.8b
DJA III 19 18 17 39.0–.30 23S–5.0 175W–6.0 10 8.0,7.9
MOS III 19 18 17 39.4–1.1 23.00S 174.70W 33 7.5s,7.0b
BGS III 19 18 17 40.8–2.5 23.05S 174.67W 33 7.8s,7.0b
NEIC III 19 18 17 40.5–.09 23.04S 174.66W 31 7.8,7.6s
IGIL III 19 18 17 41.2 23.05S 174.67W 34 7.9s,7.6s
AUST III 19 18 17 41.2–2.9 22.96S 174.74W 29–0 7.9s,7.6s
GCMT III 19 18 17 53.2–.10 23.08S 174.23W 49–0 7.6W,7.6s
ISC Event type fe.
WEL Event type fe. Error ellipse: s-maj=38.0km s-min=9.7km az=90.0. Felt between Bay of Plenty, Nelson and Gisborne, maximum reported intensity. MM 4.
IDC Error ellipse: s-maj=12.8km s-min=10.3km az=174.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.1km az=156.4.
MOS Error ellipse: s-maj=8.0km s-min=5.9km az=59.6.
BGS Error ellipse: s-maj=135.6km s-min=787.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=151.0. Felt [VI] at Nuku'alofa. Felt at Havelu, Neiafu, Pangai and Vaini. Also felt at Suva, Fiji; Auckland, Lower Hutt, Taradale and Wellington, New Zealand; Apia, Samoa. A small tsunami was generated with wave heights [peak-to-trough, in cm.] at the following selected tide stations: 10.4 at Iquique, Chile; 17.3 at Rarotonga, Cook Islands; 5.7 at Suva, Fiji; 27.0 at Santa Cruz, Galapagos Islands; 10.0 at Honolulu, 18.6 at Kahului and 9.4 at Nawiliwili, Hawaii; 20.3 at Nuku Hiva and 14.5 at Hiva Oa, Marquesas Islands; 10.0 at Napier, New Zealand; 8.7 at Niue; 22.8 at Callao, Peru; 10.7 at Port-Vila, Vanuatu. Complex earthquake, with at least one larger event occurring about 4 seconds after the onset observed on broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms based on the first large event following the onset. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s215.00000°,δ65.00000°,λ120.00000°. NP2: ϕ_s341.00000°,δ38.00000°,λ43.00000°. Principal axes: T Plg59.0000°,Azm168.0000° ; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm284.0000° Moment Tensor Solution. M_o3.30000×10^{20}
AUST Error ellipse: s-maj=1.0km s-min=0.9km az=247.0.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 127 sta. Surface waves: sta=122, comp=295, per= 50. Moment Tensor Solution. s127,c327; s99,c334; Moment tensor: Scale 10^{20}Nm; M_{rr}3.28±.01 $M_{\theta\theta}$-0.20±.01; $M_{\phi\phi}$-3.09±.01; $M_{r\theta}$-0.25±.03; $M_{\theta\phi}$-1.15±.01; $M_{\phi r}$0.19±.03; Best double couple: NP1:ϕ_s205.00000°,δ44.00000°,λ98.00000°. NP2:ϕ_s14.00000°,δ46.00000°,λ82.00000°. Principal axes: T 3.3100,Plg85.0000°,Azm208.0000°; N 0.1800,Plg5.0000°,Azm19.0000° ; P -3.4900,Plg1.0000°,Azm109.0000° M_o3.40000×10^{20}
ISC III 19 18 45 28.4–.82 23.4S–.20 174.5W–.10 35 4.6b 32 9-154
IDC III 19 18 45 23.9–1.9 22.93S 174.77W 0 4.6,4.4b **¶12703703**
ISCJB III 19 18 45 26.9–1.1 23.4S–.20 174.7W–.20 33 4.5b,4.4b
NEIC III 19 18 45 28.4–.68 23.43S 174.62W 35 4.9b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=127.0km s-min=23.2km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=25.5km s-min=19.2km az=28.7.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=15.7km az=180.0.
ISC III 19 18 55 06.4–.85 23.6S–.20 174.7W–.20 35 4.3b 18 36-91
IDC III 19 18 55 01.5–1.9 23.42S 174.69W 0 4.5,4.2 **¶12703704**
ISCJB III 19 18 55 04.4–.73 23.7S–.20 174.7W–.10 33 4.4b,4.2
NEIC III 19 18 55 06.4–.54 23.60S 174.65W 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=86.2km s-min=23.1km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=18.1km az=148.7.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=13.2km az=155.0.
ISC III 19 18 59 34.1–1.4 22.8S–.20 175.1W–.20 30 4.5b 13 7-81
IDC III 19 18 59 29.0–2.6 22.92S 174.92W 0 4.4,4.2b **¶12703705**
ISCJB III 19 18 59 32.4–1.3 22.8S–.20 175.1W–.20 30 4.3b,4.2b
NEIC III 19 18 59 34.8–1.0 22.77S 175.05W 35 4.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=148.5km s-min=27.3km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=30.3km s-min=21.0km az=27.8.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=16.5km az=119.0.
ISC III 19 19 00 07.9–2.0 23.2S–.40 174.7W–.30 36 4.2b 16 36-83
IDC III 19 19 00 01.9–2.2 23.24S 174.64W 0 4.4,4.2b **¶12703706**
ISCJB III 19 19 00 06.3–1.9 23.2S–.40 174.8W–.30 36 4.2b,4.2b
NEIC III 19 19 00 07.8–1.6 22.99S 174.82W 35 4.7b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=78.2km s-min=25.9km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=70.1km s-min=21.7km az=146.2.
NEIC Event type se. Error ellipse: s-maj=64.5km s-min=19.8km az=149.0.
ISC III 19 19 01 04.1–2.0 23.2S–.60 174.7W–.30 35 4.4b 15 36-151
IDC III 19 19 00 58.1–2.3 23.31S 174.61W 0 4.5,4.3b **¶12703707**
ISCJB III 19 19 01 02.3–2.3 23.2S–.60 174.8W–.40 33 4.3b,4.3b
NEIC III 19 19 01 03.3–1.7 23.33S 174.65W 35 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=95.6km s-min=28.8km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=92.9km s-min=24.4km az=152.5.
NEIC Event type se. Error ellipse: s-maj=77.8km s-min=19.8km az=154.0.
ISC III 19 19 06 04.3–7.2 23.2S–.70 175W–1.0 36 4.4b 12 36-74
IDC III 19 19 05 58.7–7.8 23.22S 174.63W 0 4.5,4.3b **¶12703708**
NEIC III 19 19 06 03.6–6.1 23.30S 174.59W 35 4.7b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=190.5km s-min=46.4km az=123.0.
NEIC Event type se. Error ellipse: s-maj=152.0km s-min=35.7km az=123.0.
IDC III 19 19 11 55.4–4.1 22.56S 175.15W 0 4.2,3.9b ¶12703710
IDC Error ellipse: s-maj=241.9km s-min=32.4km az=157.0.
ISC III 19 19 13 14.5–1.3 22.9S–.20 175.1W–.20 30 4.1b 15 7-81
IDC III 19 19 13 08.8–2.2 23.19S 174.92W 0 4.4,4.2b **¶12703711**
ISCJB III 19 19 13 12.8–1.3 22.9S–.10 175.2W–.20 30 4.2b,4.2b
NEIC III 19 19 13 15.2–1.1 22.91S 175.12W 35 4.8b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=84.7km s-min=27.0km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=18.7km az=24.5.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=16.6km az=116.0.
ISC III 19 19 27 02.9–.41 23.06S–.08 174.99W–.09 30 4.7b 152 6-170
AUST III 19 19 26 56.9 23.13S 174.21W 20 4.7b **¶15153278**
IDC III 19 19 26 58.2–.50 23.02S 174.97W 0 4.8,4.7
ISCJB III 19 19 27 00.8–.24 23.07S–.07 174.98W–.05 30 4.7b,4.7
MOS III 19 19 27 01.7–1.2 23.11S 175.06W 33 5.1b,4.7
DJA III 19 19 27 03.5–.90 23S–18 175W–14 10 6.3,6.3b
NEIC III 19 19 27 03.3–2.1 23.08S 174.98W 35–18 5.0b,6.3b
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=15.2km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=5.1km az=150.7.
MOS Error ellipse: s-maj=16.5km s-min=13.3km az=150.2.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.7km az=187.0.
ISC III 19 19 33 19.5–7.4 23.2S–.70 175W–1.0 36 4.3b 15 36-74
IDC III 19 19 33 15.2–7.5 23.03S 174.82W 0 4.5,4.3b **¶12703714**
NEIC III 19 19 33 19.8–4.5 23.14S 174.75W 35 4.7b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=183.8km s-min=46.5km az=122.0.
NEIC Event type se. Error ellipse: s-maj=110.0km s-min=31.2km az=123.0.
ISC III 19 19 40 21.2–1.9 23.0S–.50 174.8W–.30 30 4.5b 17 36-81
IDC III 19 19 40 16.1–2.2 23.15S 174.74W 0 4.4,4.2b **¶12703716**
ISCJB III 19 19 40 19.6–1.9 23.0S–.40 174.9W–.30 30 4.3b,4.2b
NEIC III 19 19 40 21.8–1.5 23.05S 174.86W 35 4.7b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=81.5km s-min=27.3km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=74.4km s-min=22.6km az=148.4.
NEIC Event type se. Error ellipse: s-maj=59.1km s-min=18.5km az=149.0.
IDC III 19 19 45 54.9–3.5 22.99S 174.71W 0 4.4,4.1b ¶12703717
IDC Error ellipse: s-maj=179.8km s-min=26.1km az=153.0.
ISC III 19 19 47 06.1–1.6 22.4S–.60 175.0W–.30 33 4.2b 18 36-90
IDC III 19 19 47 01.3–2.0 22.33S 175.01W 0 4.4,4.2b **¶12703718**
ISCJB III 19 19 47 05.0–1.6 22.3S–.60 175.2W–.30 33 4.2b,4.2b
NEIC III 19 19 47 06.4–1.4 22.38S 175.04W 35 4.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=122.1km s-min=20.7km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=92.3km s-min=16.9km az=154.5.
NEIC Event type se. Error ellipse: s-maj=84.0km s-min=15.5km az=155.0.
IDC III 19 20 04 11.8–2.7 23.20S 174.72W 0 4.2,4.0b ¶12703721
IDC Error ellipse: s-maj=104.2km s-min=27.5km az=151.0.
IDC III 19 20 25 04.3–8.3 23.44S 174.67W 0 4.2,4.1b ¶12703725
IDC Error ellipse: s-maj=203.4km s-min=50.0km az=123.0.
ISC III 19 20 29 25.6–.48 22.25S–.07 174.7W–.10 27 4.4b 65 8-170
IDC III 19 20 29 21.4–.61 22.41S 175.03W 0 4.5,4.4 **¶15153270**
NEIC III 19 20 29 26.6–.43 22.52S 174.93W 35 4.8b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=16.9km az=141.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=12.2km az=140.0.
ISC III 19 20 30 15.2–.63 23.3S–.10 174.6W–.10 35 4.6b 49 6-151
IDC III 19 20 30 09.7–1.3 23.38S 174.57W 0 4.8,4.6b **¶15153286**
ISCJB III 19 20 30 13.6–.58 23.4S–.10 174.61W–.10 35 4.6b,4.6b
NEIC III 19 20 30 14.5–.58 23.50S 174.51W 35 4.9b,4.6b
AUST III 19 20 30 16.8–.05 22.93S 173.50W 116–1 4.9b,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=47.3km s-min=17.8km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=11.6km az=155.6.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=11.7km az=164.0.
AUST Error ellipse: s-maj=3.2km s-min=1.7km az=314.0.
ISC III 19 20 33 59.2–.44 23.11S–.06 174.62W–.05 34–1 5.7s,5.2b 548 6-169
AUST III 19 20 33 52.1–3.5 23.02S 174.27W 0–0 5.7s,5.2b **¶15153287**
IDC III 19 20 33 54.1–.39 23.10S 174.67W 0 5.1,5.0b
MOS III 19 20 33 57.9–1.9 23.12S 174.70W 33 5.1b,5.0b
DJA III 19 20 33 57.7–.60 23S–11 175W–11 10 6.9b,6.8
ISCJB III 19 20 33 57.9–.15 23.15S–.05 174.67W–.03 33 5.5s,5.2b
NEIC III 19 20 33 59.4–.23 23.09S 174.68W 35 5.3b,5.2b
ISC Event type se.
AUST Error ellipse: s-maj=1.6km s-min=1.1km az=305.0.
IDC Error ellipse: s-maj=14.9km s-min=11.5km az=154.0.
MOS Error ellipse: s-maj=11.0km s-min=9.8km az=23.1.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.3km az=159.4.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.8km az=152.0.
IDC III 19 20 48 57.6–4.2 23.51S 175.01W 0 4.2,4.0b ¶12703730
IDC Error ellipse: s-maj=154.2km s-min=48.2km az=144.0.
IDC III 19 20 56 59.4–7.7 22.95S 175.69W 0 4.4,4.2b ¶12703731
IDC Error ellipse: s-maj=230.4km s-min=102.6km az=143.0.
ISC III 19 21 24 11.5–.82 23.49S–.10 175.0W–.10 35 4.4b 22 6-151
IDC III 19 21 24 06.6–.91 23.43S 175.03W 0 4.5,4.4b **¶15153289**
ISCJB III 19 21 24 10.5–.64 23.49S–.08 174.95W–.09 33 4.4b,4.4b
AUST III 19 21 24 20.4 22.09S 173.79W 200 4.4b,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=17.0km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=9.8km az=40.0.
IDC III 19 21 31 50.0–2.5 23.37S 174.70W 0 4.3,4.0b ¶12703735
IDC Error ellipse: s-maj=94.7km s-min=28.5km az=153.0.
IDC III 19 22 01 26.5–3.9 23.16S 174.73W 0 4.3,4.0b ¶12703737
IDC Error ellipse: s-maj=232.2km s-min=28.6km az=157.0.
IDC III 19 22 32 25.2–2.3 22.74S 174.83W 0 4.5s,4.5 ¶12703739
IDC Error ellipse: s-maj=131.8km s-min=22.5km az=157.0.
ISC III 19 23 15 52.6–.60 23.2S–.10 174.67W–.10 36 4.5b 48 9-169
IDC III 19 23 15 46.9–.82 23.16S 174.63W 0 4.8,4.6b **¶12703743**
ISCJB III 19 23 15 51.5–.51 23.1S–.10 174.78W–.09 36 4.6b,4.6b
NEIC III 19 23 15 52.4–2.9 23.27S 174.65W 38–22 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=15.2km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=11.1km az=168.0.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=8.9km az=147.0.
IDC III 19 23 20 07.1–3.0 22.90S 174.81W 0 4.4,4.1b ¶12703744
IDC Error ellipse: s-maj=211.1km s-min=25.2km az=160.0.
IDC III 19 23 39 08.8–30 23.12S 175.44W 0 4.2,4.1b ¶12703745
IDC Error ellipse: s-maj=543.2km s-min=148.7km az=79.0.

IDC III 19 23 46 53.1–2.2 22.64S 174.95W 0 4.4,4.1b
¶12703749

IDC Error ellipse: s-maj=128.9km s-min=22.2km az=157.0.
IDC III 19 23 53 22.5–2.2 22.87S 175.00W 0 4.2,3.9b
¶12703751

IDC Error ellipse: s-maj=126.2km s-min=28.0km az=153.0.
ISC III 20 00 16 50.8–.76 23.8S–.10 174.55W–.10 35 4.5b 27 9-151
IDC III 20 00 16 47.8–3.6 23.70S 175.03W 0 4.6,4.5 **¶12703755**
ISCJB III 20 00 16 47.5–.85 23.8S–.20 174.5W–.10 33 4.6s,4.4b
NEIC III 20 00 16 50.1–.73 23.86S 174.56W 35 4.2b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=150.3km s-min=37.8km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=13.2km az=0.3.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=12.8km az=176.0.
IDC III 20 00 17 14.1–4.2 23.40S 175.23W 0 4.6,4.5b
¶12703756

IDC Error ellipse: s-maj=160.1km s-min=47.3km az=145.0.
IDC III 20 00 44 31.7–18 23.08S 175.49W 0 4.2,4.0b
¶12703757

IDC Error ellipse: s-maj=332.7km s-min=143.2km az=82.0.
IDC III 20 02 00 40.4–2.6 23.07S 174.97W 0 4.4,4.1
¶12703763

IDC Error ellipse: s-maj=150.0km s-min=22.5km az=156.0.
ISC III 20 02 10 38.1–.55 22.88S–.08 174.68W–.07 33–2 4.8b,4.4s 472 6-170
BJI III 20 02 10 35.3 23.19S 174.14W 35 5.5b,5.2b **¶15153305**
ISCJB III 20 02 10 36.6–4.2 22.89S–.07 174.78W–.05 32–29 4.8b,4.5s
SZGRF III 20 02 10 37.7 23.08S 174.30W 33 4.8b,4.5s
AUST III 20 02 10 39.0–14 22.48S 174.08W 84–0 4.8b,4.5s
NEIC III 20 02 10 38.5–.18 22.85S 174.81W 35 4.9b,4.5s
MOS III 20 02 10 39.5–.92 22.80S 174.93W 53 5.0b,4.5s
IDC III 20 02 10 53.2–.64 22.96S 174.98W 164–4 4.4,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=7.4km az=158.0.
SZGRF Tonga Islands region.
AUST Error ellipse: s-maj=6.8km s-min=1.4km az=352.0.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=4.9km az=152.0. Felt at Nuku'alofa.
MOS Error ellipse: s-maj=12.3km s-min=11.6km az=147.3.
IDC Error ellipse: s-maj=19.4km s-min=12.8km az=153.0.
IDC III 20 04 04 22.6–1.9 23.67S 174.72W 0 4.5,4.2b
¶12703772

IDC Error ellipse: s-maj=98.7km s-min=22.2km az=158.0.
ISC III 20 04 23 14.5–.60 24.0S–.10 174.5W–.10 35 4.4b 41 9-169
IDC III 20 04 23 08.8–.72 24.16S 174.24W 0 4.6L,4.6 **¶12703773**
NEIC III 20 04 23 15.1–.36 23.77S 174.50W 35 4.5b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=17.0km az=153.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.5km az=165.0.
IDC III 20 04 27 00.4–57 22.77S 175.95W 0 4.1,4.0s
¶12703774

IDC Error ellipse: s-maj=1055.0km s-min=177.7km az=87.0.
IDC III 20 04 36 47.4–2.4 22.09S 175.36W 0 4.3,4.0b
¶12703777

IDC Error ellipse: s-maj=136.8km s-min=22.6km az=157.0.
IDC III 20 05 17 18.8–1.8 22.46S 175.00W 0 4.4,4.2b
¶12703778

IDC Error ellipse: s-maj=131.0km s-min=20.9km az=157.0.
ISC III 20 05 20 30.9–.82 24.0S–.20 175.4W–.10 24 4.6b 41 7-154
IDC III 20 05 20 26.8–1.5 23.92S 175.46W 0 4.6,4.4b **¶12599174**
ISCJB III 20 05 20 28.8–.75 24.0S–.20 175.08W–.10 33 4.4b,4.4b
NEIC III 20 05 20 32.3–.78 23.95S 175.41W 35 4.7b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=63.1km s-min=21.2km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=12.3km az=170.2.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=15.4km az=157.0.
ISC III 20 05 22 01.2–.48 23.68S–.08 175.30W–.09 30 4.8b,4.4s 91 9-169
AUST III 20 05 21 06.5–39 22.33S 168.84W 0–0 4.8b,4.4s **¶12703779**
IDC III 20 05 21 56.1–1.1 23.82S 175.39W 0 4.7,4.5
ISCJB III 20 05 22 00.9–.38 23.67S–.07 175.56W–.08 33 4.7b,4.5s
NEIC III 20 05 22 01.9–.40 23.77S 175.46W 35 4.9b,4.5s
SZGRF III 20 05 22 02.9 23.23S 174.70W 33 4.9b,4.5s
ISC Event type se.
AUST Error ellipse: s-maj=6.1km s-min=1.7km az=319.0.
IDC Error ellipse: s-maj=48.2km s-min=15.0km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=9.7km az=135.6.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.3km az=133.0.
SZGRF Tonga Islands region.
IDC III 20 05 47 43.6–1.5 22.97S 175.44W 0 4.2,4.1
¶12599175

IDC Error ellipse: s-maj=81.0km s-min=19.2km az=154.0.
IDC III 20 05 56 54.3–1.4 23.07S 174.58W 0 4.5,4.3
¶12599176

IDC Error ellipse: s-maj=74.3km s-min=19.0km az=155.0.
ISC III 20 06 00 59.4–1.2 23.1S–.30 174.7W–.20 36 4.0b 29 14-151
IDC III 20 06 00 54.0–1.4 23.04S 174.67W 0 4.4,4.2 **¶12703783**
NEIC III 20 06 00 56.5–.80 23.68S 174.22W 35 4.7b,4.2
ISCJB III 20 06 00 58.1–1.2 23.0S–.30 174.8W–.20 36 4.1b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC III 20 06 38 32.3–1.2 22.9S–.20 175.2W–.20 30 4.1b 27 8-150
IDC III 20 06 38 27.2–1.5 23.07S 175.12W 0 4.4,4.2 **¶12703787**
ISCJB III 20 06 38 31.0–1.1 22.7S–.20 175.4W–.20 30 4.1b,4.2
NEIC III 20 06 38 32.2–.90 23.22S 175.10W 35 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=60.7km s-min=19.4km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=41.6km s-min=12.4km az=143.5.
NEIC Event type se. Error ellipse: s-maj=43.7km s-min=10.6km az=154.0.
ISC III 20 07 02 52.2–.67 23.5S–.20 174.9W–.10 29 4.5b 58 6-152
IDC III 20 07 02 47.5–.79 23.54S 174.92W 0 4.5,4.5 **¶15153311**
ISCJB III 20 07 02 50.1–.58 23.7S–.10 174.92W–.10 29 4.4b,4.5
NEIC III 20 07 02 52.9–.54 23.49S 174.99W 35 4.8b,4.5
AUST III 20 07 03 06.5 21.65S 174.39W 200 4.8b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=16.8km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=11.1km az=155.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=10.5km az=155.0.
IDC III 20 07 07 30.9–19 23.08S 175.46W 0 4.2,4.0b
¶12703790

IDC Error ellipse: s-maj=353.2km s-min=135.7km az=84.0.
IDC III 20 08 51 25.8–1.7 22.88S 174.76W 0 4.2,4.0
¶12703797

IDC Error ellipse: s-maj=78.0km s-min=22.1km az=152.0.
ISC III 20 11 23 37.4–.25 23.03S–.05 175.15W–.05 35 5.3b,5.0s 954 6-170
AUST III 20 11 23 30.3–1.9 22.82S 174.82W 0–0 5.3b,5.0s **¶15153306**
IDC III 20 11 23 31.8–.38 22.88S 175.22W 0 5.1,5.1
BJI III 20 11 23 34.0 22.97S 174.51W 35 5.8b,5.4b
GCMT III 20 11 23 36.9–.20 23.06S 174.57W 16–0 5.4W,5.4b
DJA III 20 11 23 36.3–.50 23S–7.0 175W–8.0 10 6.2,6.1b
ISCJB III 20 11 23 36.1–.14 22.94S–.05 175.28W–.03 33 5.3b,5.0s
SZGRF III 20 11 23 37.9 22.65S 174.54W 33 5.3b,5.0s
MOS III 20 11 23 37.1–1.1 22.84S 175.39W 37 5.5b,5.0s
NEIC III 20 11 23 39.3–1.3 23.01S 175.31W 48–11 5.3b,5.0s
ISC Event type se.
AUST Error ellipse: s-maj=1.2km s-min=0.8km az=304.0.
IDC Error ellipse: s-maj=15.0km s-min=12.9km az=148.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s64,c96; s99,c172; Moment tensor: Scale 10^{17}Nm; M_{rr}1.30±.04 $M_{\theta\theta}$-0.14±.02; $M_{\phi\phi}$-1.16±.02; $M_{r\theta}$0.43±.07; $M_{\theta\phi}$-0.46±.02; $M_{\phi r}$0.97±.07; Best double couple: NP1: ϕ_s199.00000°,δ26.00000°,λ86.00000°. NP2:ϕ_s23.00000°,δ64.00000°,λ92.00000°. Principal axes: T 1.6700,Plg71.0000°,Azm297.0000°; N 0.0300,Plg2.0000°,Azm202.0000° ; P -1.7100,Plg19.0000°,Azm112.0000° $M_0$1.70000×10^{17}

ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.1km az=157.1.
SZGRF Tonga Islands region.
MOS Error ellipse: s-maj=10.1km s-min=8.7km az=50.5.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.8km az=152.0.
ISC III 20 11 26 23.9–1.0 22.7S–.30 175.1W–.10 33 4.3b 30 8-151
IDC III 20 11 26 18.4–2.6 22.80S 175.03W 0 5.0s,5.0 **¶12703806**
ISCJB III 20 11 26 22.9–.76 22.6S–.20 175.3W–.10 33 5.1s,4.4b
NEIC III 20 11 26 24.5–.56 22.70S 175.17W 35 4.8b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=153.7km s-min=21.1km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=29.8km s-min=12.1km az=166.3.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=9.1km az=165.0.
IDC III 20 11 52 25.0–1.6 22.51S 174.96W 0 4.1,3.9b
¶12703808

IDC Error ellipse: s-maj=78.2km s-min=20.9km az=151.0.
IDC III 20 13 23 24.1–2.1 23.40S 174.36W 0 4.6L,4.3
¶12703817

IDC Error ellipse: s-maj=77.0km s-min=34.4km az=161.0.
ISC III 20 13 29 18.4–.56 22.93S–.07 175.21W–.06 46–4 4.9b,4.2s 203 6-170
IDC III 20 13 29 12.0–.45 22.80S 175.05W 0 4.8,4.8 **¶15153318**
ISCJB III 20 13 29 14.7–2.2 22.93S–.06 175.21W–.05 29–15 4.8b,4.2s
MOS III 20 13 29 15.6–1.1 22.91S 175.27W 33 5.1b,4.2s
NEIC III 20 13 29 16.6–.21 22.98S 175.24W 35 4.9b,4.2s
AUST III 20 13 29 16.2–1.3 22.81S 174.30W 80–0 4.9b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=13.4km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=7.2km az=150.9.
MOS Error ellipse: s-maj=14.0km s-min=10.9km az=8.2.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.4km az=160.0.
AUST Error ellipse: s-maj=1.6km s-min=1.5km az=318.0.
IDC III 20 13 54 38.8–1.5 22.76S 174.83W 0 4.3,4.1
¶12703822

IDC Error ellipse: s-maj=61.0km s-min=19.3km az=149.0.
ISC III 20 14 00 04.5–.36 22.96S–.07 175.07W–.07 30 4.9s,4.8b 152 6-170
IDC III 20 13 59 59.7–.50 22.81S 175.15W 0 4.7,4.7 **¶15153308**
ISCJB III 20 14 00 02.9–.26 22.95S–.06 175.21W–.06 30 4.8b,4.8s
BJI III 20 14 00 03.8 22.94S 175.13W 32 5.2b,5.1s
NEIC III 20 14 00 05.2–.22 22.86S 175.23W 37 4.8b,5.1s
AUST III 20 14 00 07.9–4.1 22.40S 174.41W 119–0 4.8b,5.1s
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=13.7km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.3km az=135.8.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.0km az=136.0.
AUST Error ellipse: s-maj=3.4km s-min=1.4km az=351.0.
IDC III 20 15 01 55.7–17 22.60S 174.86W 0 4.0,3.9b
¶12703827

IDC Error ellipse: s-maj=329.6km s-min=136.7km az=83.0.
ISC III 20 15 54 43.0–.68 23.11S–.07 174.62W–.07 42–5 4.9b,4.5s 360 6-169
IDC III 20 15 54 36.4–.46 23.26S 174.50W 0 4.8,4.8 **¶15153310**
AUST III 20 15 54 39.7–1.2 23.24S 173.75W 55–0 4.8,4.8
MOS III 20 15 54 40.7–1.4 23.18S 174.61W 33 5.2b,4.8
NEIC III 20 15 54 42.4–.24 23.14S 174.64W 35 5.0b,4.8
ISCJB III 20 15 54 43.0–1.3 23.29S–.06 174.58W–.04 55–11 4.9b,4.3s
BJI III 20 15 54 46.7 22.66S 174.56W 64 5.2s,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=12.6km az=138.0.
AUST Error ellipse: s-maj=1.7km s-min=1.3km az=335.0.
MOS Error ellipse: s-maj=12.0km s-min=10.7km az=146.2.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.2km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=5.1km az=155.7.
ISC III 20 18 46 33.3–.91 23.2S–.10 174.7W–.10 36 4.1b 20 7-90
IDC III 20 18 46 28.5–2.0 22.88S 174.82W 0 4.3,4.1b **¶12703847**
ISCJB III 20 18 46 31.7–.85 23.3S–.10 174.8W–.10 36 4.0b,4.1b
NEIC III 20 18 46 33.1–.70 23.25S 174.67W 35 4.5b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=116.0km s-min=21.5km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=14.9km az=38.3.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.5km az=134.0.
IDC III 20 19 34 16.6–1.6 23.34S 174.84W 0 4.3,4.1
¶12703850

IDC Error ellipse: s-maj=74.3km s-min=22.3km az=155.0.
IDC III 20 20 21 47.8–8.3 23.03S 175.48W 0 4.1,3.9b
¶12703855

IDC Error ellipse: s-maj=201.8km s-min=48.1km az=123.0.
IDC III 20 20 49 51.7–2.4 22.89S 174.89W 0 4.3,4.1
¶12703856

IDC Error ellipse: s-maj=90.1km s-min=29.2km az=148.0.
ISC III 20 21 41 29.8–.53 23.1S–.10 174.59W–.10 36 4.4b,3.8s 61 6-169
IDC III 20 21 41 24.3–.61 23.10S 174.60W 0 4.6,4.5 **¶12599177**
ISCJB III 20 21 41 28.6–.43 23.07S–.10 174.69W–.08 36 4.5b,3.8s
NEIC III 20 21 41 29.6–2.3 23.17S 174.64W 37–19 4.7b,3.8s
AUST III 20 21 41 44.6–17 23.89S 177.03W 0–0 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=16.1km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=10.0km az=162.3.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=9.9km az=143.0.
AUST Error ellipse: s-maj=2.4km s-min=1.7km az=7.0.
ISC III 21 01 18 35.3–.45 23.3S–.10 175.24W–.09 30 4.8b 94 8-170
IDC III 21 01 18 30.3–.57 23.12S 175.42W 0 4.6,4.5 **¶12599178**
ISCJB III 21 01 18 33.6–.41 23.29S–.09 175.35W–.09 30 4.7b,3.9s
NEIC III 21 01 18 35.9–.33 23.26S 175.32W 35 5.0b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=15.0km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=9.8km az=143.3.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.7km az=137.0.
ISC III 21 01 27 58.9–.51 23.37S–.08 175.27W–.07 41–3 4.9b,4.4s 196 7-169
ISCJB III 21 01 27 54.1–2.8 23.33S–.07 175.42W–.06 15–19 4.8b,4.4s **¶15153331**
AUST III 21 01 27 56.8–3.3 23.11S 174.65W 63–0 4.8b,4.4s
IDC III 21 01 27 57.9–3.0 23.23S 175.43W 33–21 4.5,4.5
BJI III 21 01 27 57.6 23.02S 175.20W 35 5.3s,5.3b
NEIC III 21 01 27 58.0–.22 23.32S 175.43W 35 4.9b,5.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=7.8km az=154.7.
AUST Error ellipse: s-maj=2.9km s-min=1.7km az=359.0.
IDC Error ellipse: s-maj=17.0km s-min=13.3km az=156.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.2km az=150.0.
ISC III 21 02 41 44.4–1.9 23.3S–.20 174.8W–.30 35 4.4b 20 9-151
IDC III 21 02 41 38.7–4.1 23.29S 174.69W 0 4.4,4.3b **¶12635149**
NEIC III 21 02 41 43.5–1.4 23.26S 174.66W 35 4.7b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=116.0km s-min=34.5km az=131.0.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=19.6km az=87.0.
IDC III 21 03 16 44.2–2.2 22.36S 175.10W 0 4.3,4.0b
¶12635151

IDC Error ellipse: s-maj=133.6km s-min=21.0km az=157.0.
ISC III 21 03 25 28.3–.75 23.1S–.20 175.4W–.10 30 4.2b 43 8-151
IDC III 21 03 25 23.8–.86 23.12S 175.48W 0 4.3,4.1 **¶12599179**
ISCJB III 21 03 25 26.4–.79 23.3S–.20 175.4W–.10 30 4.2b,2.5s
NEIC III 21 03 25 27.7–.70 23.59S 175.24W 35 4.8b,2.5s
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=20.4km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=25.5km s-min=14.7km az=154.9.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=13.9km az=161.0.
ISC III 21 03 33 20.7–.74 22.6S–.10 175.2W–.10 33 4.3b 31 8-150
IDC III 21 03 33 16.2–1.7 22.48S 175.23W 0 4.2,4.1 **¶12635152**
ISCJB III 21 03 33 19.5–.57 22.6S–.10 175.3W–.10 33 4.2b,4.1
NEIC III 21 03 33 21.5–.42 22.55S 175.25W 35 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=80.9km s-min=21.4km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=11.7km az=145.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.7km az=146.0.

ISC III 21 04 09 35.5–.72 22.9S–.20 175.1W–.10 33 4.5b 48 8-170
ISCJB III 21 04 09 31.3–.66 23.4S–.20 174.73W–.09 33 4.3b,3.6s ¶12599180
IDC III 21 04 09 31.4–.99 22.82S 175.29W 0 4.5,4.3
NEIC III 21 04 09 35.9–.59 22.67S 175.23W 35 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=11.5km az=170.7.
IDC Error ellipse: s-maj=38.8km s-min=21.0km az=145.0.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=12.0km az=133.0.
IDC III 21 04 14 47.0–2.8 22.67S 174.87W 0 4.4,4.1b
¶12635153
IDC Error ellipse: s-maj=194.7km s-min=24.1km az=159.0.
ISC III 21 04 31 40.3–.47 23.2S–.10 175.3W–.10 34 4.5b,4.0s 80 8-170
ISCJB III 21 04 31 38.9–.45 23.16S–.09 175.5W–.10 34 4.4b,3.9s ¶12599181
NEIC III 21 04 31 40.1–.33 23.15S 175.41W 35 4.8b,3.9s
IDC III 21 04 31 40.7–.76 23.14S 175.43W 36–4 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=10.6km az=40.7.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.7km az=126.0.
IDC Error ellipse: s-maj=29.3km s-min=14.4km az=150.0.
ISC III 21 04 50 19.8–.47 23.39S–.09 175.28W–.09 33–2 4.6b,4.0s 160 8-169
ISCJB III 21 04 50 18.8–.34 23.32S–.08 175.42W–.08 37 4.6b,4.0s ¶12599182
NEIC III 21 04 50 20.0–.31 23.33S 175.39W 35 4.8b,4.0s
IDC III 21 04 50 20.0–.52 23.28S 175.38W 35–3 4.3,4.3
SZGRF III 21 04 50 33.5 22.14S 173.95W 33 4.3,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=8.8km az=144.6.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.2km az=148.0.
IDC Error ellipse: s-maj=22.4km s-min=14.7km az=147.0.
SZGRF Tonga Islands region.
ISC III 21 05 37 30.2–.68 23.61S–.09 174.7W–.10 35 4.4b 41 9-152
IDC III 21 05 37 26.1–1.1 23.12S 174.93W 0 4.6,4.4b ¶12599183
NEIC III 21 05 37 30.8–.55 23.39S 174.75W 35 4.9b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=46.4km s-min=17.6km az=154.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.5km az=152.0.
IDC III 21 05 40 47.3–3.2 22.19S 175.45W 0 4.2,3.8
¶12635155
IDC Error ellipse: s-maj=245.5km s-min=27.9km az=157.0.
IDC III 21 07 21 59.5–3.1 22.64S 175.04W 0 4.0,3.8
¶12635160
IDC Error ellipse: s-maj=230.4km s-min=28.1km az=158.0.
IDC III 21 07 29 15.5–2.2 23.62S 175.10W 42–6 4.1,3.9
¶12599184
IDC Error ellipse: s-maj=108.0km s-min=19.7km az=154.0.
IDC III 21 09 43 44.6–1.0 22.76S 174.82W 0 4.2,3.9b
¶12635173
IDC Error ellipse: s-maj=46.7km s-min=25.3km az=152.0.
ISC III 21 10 22 01.2–.70 23.3S–.20 174.6W–.10 35 4.4b 35 9-169
IDC III 21 10 21 56.5–.64 22.89S 174.73W 0 4.5,4.3 ¶12599186
NEIC III 21 10 22 00.5–.54 23.39S 174.53W 35 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=18.1km az=152.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=10.6km az=164.0.
IDC III 21 10 26 47.1–4.2 22.67S 175.65W 0 4.0,3.8
¶12635174
IDC Error ellipse: s-maj=245.9km s-min=29.5km az=154.0.
IDC III 21 11 25 19.9–1.6 22.74S 175.15W 0 4.5,4.2b
¶12635178
IDC Error ellipse: s-maj=78.4km s-min=20.3km az=153.0.
ISC III 21 11 33 40.3–.54 23.54S–.09 175.8W–.10 33 4.3b 55 8-169
IDC III 21 11 33 35.3–.61 23.44S 175.77W 0 4.4,4.3 ¶12599189
ISCJB III 21 11 33 38.9–.57 23.49S–.08 175.8W–.10 33 4.3b,4.3
NEIC III 21 11 33 40.5–.42 23.46S 175.75W 35 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=18.1km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=11.2km az=9.8.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.7km az=114.0.
IDC III 21 11 41 58.9–.90 23.41S 175.77W 0 4.1,3.9L
¶12635180
IDC Error ellipse: s-maj=35.7km s-min=25.4km az=146.0.
ISC III 21 11 44 56.4–.63 23.2S–.10 175.6W–.10 34 4.0b,3.9s 22 10-170
IDC III 21 11 44 52.3–.69 23.47S 175.78W 0 4.4L,4.2 ¶12599190
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=17.0km az=157.0.
IDC III 21 12 09 24.5–1.6 23.49S 174.91W 38–6 4.3,4.0
¶12599191
IDC Error ellipse: s-maj=93.0km s-min=16.7km az=157.0.
ISC III 21 12 14 53.0–.62 23.1S–.10 174.7W–.10 36 4.1b 34 9-169
IDC III 21 12 14 47.5–.69 23.11S 174.68W 0 4.5,4.2L ¶12599192
ISCJB III 21 12 14 51.6–.54 23.22S–.10 174.7W–.10 36 4.2b,4.2L
NEIC III 21 12 14 52.7–.50 23.27S 174.60W 35 4.6b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=17.9km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=12.9km az=142.5.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=12.3km az=144.0.
ISC III 21 13 59 15.9–.74 23.5S–.20 174.4W–.10 35 4.2b 25 10-151
NEIC III 21 13 59 13.2–5.4 23.12S 174.53W 20–47 4.8b ¶12599193
IDC III 21 13 59 19.8–1.0 23.27S 174.94W 41–7 4.2,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=12.2km az=109.0.
IDC Error ellipse: s-maj=47.8km s-min=16.4km az=154.0.
ISC III 21 17 38 40.0–.53 23.54S–.06 175.15W–.08 33–1 4.8b,4.2s 137 7-169
IDC III 21 17 38 35.0–.66 23.15S 175.29W 0 4.5,4.4 ¶15153334
MOS III 21 17 38 38.6–1.7 23.50S 175.33W 33 5.0b,4.4
ISCJB III 21 17 38 38.1–.48 23.48S–.07 175.25W–.09 34 4.7b,4.2s
NEIC III 21 17 38 39.9–.44 23.43S 175.26W 35 5.0b,4.2s
BJI III 21 17 38 39.0 23.27S 175.09W 25 5.5b,5.3s
AUST III 21 17 38 41.1 22.69S 174.81W 60 5.5b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=17.2km az=144.0.
MOS Error ellipse: s-maj=17.8km s-min=12.8km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=9.5km az=32.7.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=11.6km az=136.0.
ISC III 21 20 09 21.0–1.3 22.8S–.20 175.1W–.20 30 4.5b 22 9-146
IDC III 21 20 09 17.8–4.0 23.14S 175.31W 0 4.4,4.2b ¶12635211
ISCJB III 21 20 09 18.1–1.2 22.8S–.20 175.1W–.20 30 4.3b,4.2b
NEIC III 21 20 09 21.5–.96 22.82S 175.17W 35 4.7b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=143.4km s-min=48.1km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=30.3km s-min=15.4km az=36.5.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=13.2km az=130.0.
ISC III 21 20 49 23.3–1.0 23.2S–.20 175.4W–.20 34 4.4b 28 10-151
ISCJB III 21 20 49 20.4–1.1 23.0S–.20 175.3W–.20 34 4.2b,3.4s ¶12599195
NEIC III 21 20 49 22.7–.65 23.02S 175.38W 35 4.6b,3.4s
IDC III 21 20 49 23.1–2.4 23.07S 175.24W 43–7 4.1,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.0km s-min=22.5km az=138.9.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=13.7km az=151.0.
IDC Error ellipse: s-maj=81.9km s-min=27.6km az=140.0.
ISC III 21 22 51 58.5–1.2 23.4S–.40 174.8W–.20 29 3.9b 7 36-86
IDC III 21 22 51 53.9–3.0 23.35S 174.85W 0 4.2,4.0b ¶12635235
ISCJB III 21 22 51 57.0–1.1 23.4S–.30 174.9W–.20 29 4.0b,4.0b
ISC Event type ke.
ISCJB Event type ke.
ISC III 22 00 12 38.3–.88 23.5S–.20 174.9W–.20 29 4.3b 14 10-169
IDC III 22 00 12 33.6–1.4 23.51S 174.79W 0 4.4,4.2 ¶12635239
ISCJB III 22 00 12 37.0–.77 23.4S–.20 175.0W–.20 29 4.2b,3.8s
ISC Event type ke.
ISCJB Event type ke.
IDC III 22 00 25 09.4–2.4 23.22S 174.86W 0 4.4,4.1b
¶12635240
IDC Error ellipse: s-maj=137.8km s-min=21.3km az=157.0.
ISC III 22 01 54 48.1–.49 23.02S–.08 174.75W–.07 34–1 4.8b,4.1s 539 6-170
IDC III 22 01 54 42.4–.56 22.93S 174.67W 0 4.8,4.7 ¶15153357
SZGRF III 22 01 54 43.3 24.60S 172.29W 33 4.8,4.7
ISCJB III 22 01 54 47.1–.19 23.02S–.07 174.76W–.05 37 4.8b,4.1s
BJI III 22 01 54 47.2 23.21S 175.08W 34 5.5b,5.3s
MOS III 22 01 54 48.3–1.4 22.78S 174.83W 41 4.9b,5.3s
AUST III 22 01 54 48.2–5.6 22.58S 174.03W 78–0 4.9b,5.3s
NEIC III 22 01 54 48.2–.18 22.91S 174.78W 35 4.8b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=15.9km az=135.0.
SZGRF South of Tonga Islands.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.9km az=152.0.
MOS Error ellipse: s-maj=16.1km s-min=10.8km az=140.3.
AUST Error ellipse: s-maj=4.0km s-min=1.4km az=349.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.7km az=144.0.
IDC III 22 03 00 01.9–2.8 22.64S 175.14W 0 4.1,3.8b
¶12635250
IDC Error ellipse: s-maj=230.5km s-min=32.4km az=163.0.
IDC III 22 05 57 15.5–2.9 23.89S 175.13W 0 4.2,3.9
¶12599198
IDC Error ellipse: s-maj=218.3km s-min=32.1km az=162.0.
ISC III 22 10 27 47.1–.76 23.5S–.20 174.31W–.09 35 4.2b 28 6-98
IDC III 22 10 27 43.5–1.5 23.29S 174.68W 0 4.3,4.2 ¶15153365
NEIC III 22 10 27 46.7–.58 23.61S 174.34W 35 4.9b,4.2
AUST III 22 10 27 58.1–5.6 21.77S 174.11W 171–0 4.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=58.7km s-min=21.9km az=151.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=9.9km az=169.0.
AUST Error ellipse: s-maj=4.4km s-min=1.5km az=358.0.
IDC III 22 10 34 24.4–3.4 23.49S 174.65W 0 4.3,4.0b
¶12635277
IDC Error ellipse: s-maj=178.5km s-min=28.2km az=155.0.
IDC III 22 10 35 12.0–26 22.53S 173.88W 0 4.4,4.3b
¶12635278
IDC Error ellipse: s-maj=488.3km s-min=147.9km az=78.0.
ISC III 22 10 42 12.3–1.5 23.4S–.50 174.7W–.20 35 4.1b 20 36-91
IDC III 22 10 42 07.0–1.7 23.39S 174.69W 0 4.4,4.1b ¶12635279
ISCJB III 22 10 42 10.5–1.3 23.4S–.40 174.8W–.20 33 4.1b,4.1b
NEIC III 22 10 42 12.3–1.1 23.39S 174.73W 35 4.7b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=81.2km s-min=20.8km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=59.7km s-min=16.1km az=152.6.
NEIC Event type se. Error ellipse: s-maj=53.7km s-min=12.7km az=154.0.
IDC III 22 11 00 04.2–2.2 23.70S 174.84W 0 4.3,4.0b
¶12635282
IDC Error ellipse: s-maj=127.3km s-min=26.9km az=155.0.
ISC III 22 11 48 29.1–.38 22.91S–.08 174.83W–.09 39–6 4.5b,4.3s 345 8-170
IDC III 22 11 48 22.7–.53 22.66S 175.06W 0 4.6,4.5 ¶12054558
ISCJB III 22 11 48 25.3–5.0 22.80S–.07 175.02W–.06 19–35 4.6b,4.2s
NEIC III 22 11 48 28.6–.25 22.65S 175.12W 35 4.6b,4.2s
BJI III 22 11 48 28.3 22.88S 174.90W 38 5.5b,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=15.9km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=9.2km az=151.5.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.7km az=134.0.
IDC III 22 14 19 49.5–2.8 22.44S 174.92W 0 4.3,3.9
¶12635293
IDC Error ellipse: s-maj=211.6km s-min=26.5km az=158.0.
IDC III 22 18 00 54.9–2.9 23.83S 175.40W 0 4.4,4.3b
¶12599203
IDC Error ellipse: s-maj=103.3km s-min=30.8km az=144.0.
ISC III 22 19 52 15.7–.61 23.1S–.20 174.9W–.10 30 4.5b 50 8-170
IDC III 22 19 52 10.3–.96 23.30S 174.80W 0 4.6,4.4 ¶12635320
ISCJB III 22 19 52 14.2–.53 22.9S–.10 175.0W–.10 30 4.4b,3.4s
NEIC III 22 19 52 15.3–.52 23.35S 174.78W 35 4.8b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=45.7km s-min=15.6km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=11.6km az=155.5.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=10.1km az=162.0.
IDC III 22 20 22 02.2–.87 23.60S 174.76W 0 4.4,4.2
¶12635323
IDC Error ellipse: s-maj=36.4km s-min=22.9km az=161.0.
IDC III 22 21 49 36.2–1.9 22.71S 174.98W 0 4.3,4.2
¶12599205
IDC Error ellipse: s-maj=76.8km s-min=25.2km az=148.0.
ISC III 23 04 43 34.2–.43 22.88S–.06 175.21W–.06 34–1 5.3b,4.6s 594 6-170
AUST III 23 04 43 26.0–8.5 22.39S 174.79W 0–0 5.3b,4.6s ¶15153382
IDC III 23 04 43 28.9–.44 22.80S 175.22W 0 5.0,5.0
SZGRF III 23 04 43 32.9 22.83S 173.21W 33 5.0,5.0
ISCJB III 23 04 43 32.7–.15 22.88S–.05 175.23W–.04 34 5.2b,4.6s
MOS III 23 04 43 32.7–1.5 22.73S 175.33W 29 5.3b,4.6s
BJI III 23 04 43 33.3 22.65S 175.02W 37 5.4s,5.4b
GCMT III 23 04 43 33.2–.40 23.02S 174.53W 22–1 5.1W,5.4b
NEIC III 23 04 43 34.5–2.4 22.82S 175.25W 36–20 5.2b,5.4b
ISC Event type se.
AUST Error ellipse: s-maj=1.9km s-min=1.4km az=298.0.
IDC Error ellipse: s-maj=16.2km s-min=13.9km az=119.0.
SZGRF Tonga Islands region.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.6km az=152.7.
MOS Error ellipse: s-maj=12.0km s-min=11.1km az=49.2.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s29,c33; s57,c77; Moment tensor: Scale 10^{16}Nm; M_{rr}4.12±.31 $M_{\theta\theta}$-1.46±.20; $M_{\phi\phi}$-2.65±.19; $M_{r\theta}$1.65±.32; $M_{\theta\phi}$-2.16±.11; $M_{\phi r}$2.52±.29; Best double couple: NP1:ϕ_s220.00000°,δ27.00000°,λ94.00000°. NP2:ϕ_s35.00000°,δ63.00000°,λ88.00000°. Principal axes: T 5.0900,Plg72.0000°,Azm300.0000°; N 0.1800,Plg2.0000°,Azm36.0000°; P -5.2600,Plg18.0000°,Azm127.0000° M_o5.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.7km az=155.0.
IDC III 23 22 07 16.2–3.4 23.90S 175.03W 0 4.3,4.2b
¶12635421
IDC Error ellipse: s-maj=114.5km s-min=50.3km az=152.0.
ISC III 24 03 58 45.0–.49 23.4S–.10 174.68W–.09 35 4.6b,3.8s 146 6-169
IDC III 24 03 58 39.5–.88 23.29S 174.75W 0 4.7,4.5 ¶15153395
ISCJB III 24 03 58 43.2–.27 23.42S–.09 174.80W–.06 33 4.5b,3.9s
NEIC III 24 03 58 44.2–.39 23.53S 174.69W 35 4.8b,3.9s
AUST III 24 03 58 50.5–6.9 22.41S 174.27W 120–0 4.8b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=39.1km s-min=17.7km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=6.2km az=160.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.2km az=166.0.
AUST Error ellipse: s-maj=4.3km s-min=1.3km az=357.0.
IDC III 24 05 14 11.0–2.1 23.84S 174.47W 0 4.3,4.0b
¶12635447
IDC Error ellipse: s-maj=141.0km s-min=24.5km az=158.0.
IDC III 24 11 41 07.5–1.7 22.73S 174.90W 0 4.2,3.9
¶12635462
IDC Error ellipse: s-maj=64.8km s-min=25.4km az=151.0.
IDC III 25 05 19 47.9–.84 22.82S 174.74W 0 4.5,4.3
¶12635525
IDC Error ellipse: s-maj=32.6km s-min=20.6km az=155.0.
ISC III 25 06 31 35.3–.25 17.09S–.05 171.96W–.05 34 5.1b,4.5s 797 3-173
IDC III 25 06 31 30.2–.43 17.11S 172.02W 0 4.8,4.8 ¶12058111
ISCJB III 25 06 31 34.0–.15 17.16S–.04 172.02W–.04 32 5.0b,4.5s
BJI III 25 06 31 33.4 17.10S 172.00W 29 5.5b,5.3b
NEIC III 25 06 31 35.1–.35 17.09S 172.07W 30–2 5.1b,5.3b
MOS III 25 06 31 35.5–1.3 17.05S 172.07W 40 5.4b,4.3s
SZGRF III 25 06 31 38.9 16.31S 172.28W 36 4.9b,4.3s
GCMT III 25 06 31 38.0–.20 17.26S 171.79W 46–0 5.2W,4.3s
DJA III 25 06 31 42.8–2.8 18S–13 172W–8.0 15–22 5.9b,5.6
ISC Event type se.
ISCJB Event type se.

NEIC Event type se.
SZGRF Samoa Islands region.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s74,c112; s58,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}7.89±.20 $M_{\theta\theta}$-3.17±.21; $M_{\phi\phi}$-4.72±.21; $M_{r\theta}$0.06±.15; $M_{\theta\phi}$3.21±.11; $M_{\phi r}$-2.14±.15; Best double couple: NP1:ϕ_s314.00000°,δ39.00000°,λ77.00000°. NP2:ϕ_s150.00000°,δ52.00000°,λ100.00000°. Principal axes: T 8.2600,Plg80.0000° ,Azm104.0000°; N -0.8200,Plg8.0000°,Azm324.0000°; P -7.4400,Plg6.0000°,Azm233.0000° $M_0$7.90000×10^{16}

IDC III 25 07 00 22.0–1.4 22.82S 175.08W 0 4.5,4.3b ¶12635530

IDC Error ellipse: s-maj=72.5km s-min=18.4km az=151.0.
ISC III 25 21 45 59.9–.63 23.68S–.06 175.63W–.06 53–4 5.2s,5.1b 534 8-179
IDC III 25 21 45 52.1–.48 23.53S 175.62W 0 5.1,5.0s ¶12060997
BJI III 25 21 45 52.4 23.15S 175.51W 3 5.9b,5.4s
ISCJB III 25 21 45 55.9–2.4 23.67S–.05 175.64W–.04 32–16 5.2s,5.1b
GCMT III 25 21 45 57.1–.10 23.76S 174.98W 17–0 5.5W,5.1b
MOS III 25 21 45 57.0–1.7 23.51S 175.76W 33 5.4s,5.4b
SZGRF III 25 21 45 58.5 22.86S 173.51W 33 5.6b,5.4b
NEIC III 25 21 46 00.8–1.6 23.67S 175.78W 59–14 5.1b,5.4b
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=16.0km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.7km az=170.8.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 113 sta. Moment Tensor Solution. s78,c140; s99,c212; Moment tensor: Scale 10^{17}Nm; M_{rr}1.40±.03 $M_{\theta\theta}$-0.32±.02; $M_{\phi\phi}$-1.08±.02; $M_{r\theta}$0.60±.05; $M_{\theta\phi}$-0.56±.01; $M_{\phi r}$1.33±.06; Best double couple: NP1: ϕ_s210.00000°,δ22.00000°,λ95.00000°. NP2:ϕ_s25.00000°,δ68.00000°,λ88.00000°. Principal axes: T 2.0300,Plg67.0000°,Azm292.0000°; N -0.0300,Plg2.0000°,Azm26.0000° ; P -2.0000,Plg23.0000°,Azm117.0000° $M_0$2.00000×10^{17}
MOS Error ellipse: s-maj=12.0km s-min=10.2km az=105.0.
SZGRF Tonga Islands region.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.2km az=135.0.
ISC III 26 01 41 00.4–.50 23.92S–.06 175.66W–.08 60–3 4.8b 180 6-169
IDC III 26 01 40 52.5–.57 23.62S 175.70W 0 4.6,4.6 ¶12061004
ISCJB III 26 01 40 58.0–1.7 23.93S–.05 175.71W–.08 53–14 4.8b,4.4s
BJI III 26 01 40 59.0 23.41S 175.28W 57 5.4b,5.1s
MOS III 26 01 40 59.0–1.1 23.80S 175.74W 60 5.0b,4.3s
NEIC III 26 01 41 00.1–1.3 23.88S 175.68W 60–11 4.8b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=16.7km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.9km az=173.2.
MOS Error ellipse: s-maj=13.2km s-min=11.3km az=105.2.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.7km az=104.0.
ISC III 26 10 00 31.4–.27 23.03S–.05 175.07W–.05 49–1 5.2b,4.9s 758 7-170
IDC III 26 10 00 24.6–.43 22.95S 175.15W 0 5.1,5.1 ¶12061157
DJA III 26 10 00 25.8–.90 23S–9.0 175W–15 10 6.3b,6.0
GCMT III 26 10 00 28.6–.20 23.18S 174.56W 12 5.2W,6.0
SZGRF III 26 10 00 29.5 23.39S 174.60W 42 5.1b,6.0
MOS III 26 10 00 29.5–1.3 23.00S 175.23W 41 5.4b,5.1s
ISCJB III 26 10 00 29.4–.15 23.07S–.04 175.11W–.04 43 5.1b,4.9s
NEIC III 26 10 00 30.9–.16 23.06S 175.17W 42 5.2b,4.9s
BJI III 26 10 00 35.6 22.11S 175.75W 52 5.6b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=13.4km az=148.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s56,c80; s96,c156; Moment tensor: Scale 10^{16}Nm; M_{rr}5.95±.12 $M_{\theta\theta}$-0.98±.12; $M_{\phi\phi}$-4.97±.10; $M_{r\theta}$2.72±.39; $M_{\theta\phi}$-2.01±.09; $M_{\phi r}$2.47±.31; Best double couple: NP1:ϕ_s191.00000°,δ31.00000°,λ70.00000°. NP2:ϕ_s35.00000°,δ61.00000°,λ102.00000°. Principal axes: T 7.1400,Plg71.0000° ,Azm332.0000°; N -0.4300,Plg10.0000°,Azm209.0000°; P -6.7100,Plg15.0000° ,Azm116.0000° $M_0$6.90000×10^{16}
SZGRF Tonga Islands region.
MOS Error ellipse: s-maj=10.4km s-min=8.5km az=56.5.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=151.2.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.4km az=147.0.
IDC III 26 20 48 04.3–50 22.51S 173.96W 0 3.9,3.8b ¶12635652

IDC Error ellipse: s-maj=945.6km s-min=182.3km az=86.0.
IDC III 28 00 25 46.5–3.6 23.08S 175.11W 0 4.4,4.2b ¶12635728

IDC Error ellipse: s-maj=106.6km s-min=41.2km az=136.0.
IDC III 28 00 32 11.6–1.8 23.08S 174.85W 0 4.4,4.2b ¶12635729

IDC Error ellipse: s-maj=79.5km s-min=24.3km az=157.0.
ISC III 28 05 06 59.4–.46 23.2S–.10 174.96W–.10 30 4.6b,3.7s 96 6-169
ISCJB III 28 05 06 57.2–.51 23.29S–.08 174.92W–.09 30 4.5b,3.4s ¶15153446
AUST III 28 05 06 57.7 23.13S 174.21W 60 4.5b,3.4s
IDC III 28 05 07 00.4–.71 23.21S 174.95W 38–5 4.5,4.4
NEIC III 28 05 07 01.9–1.9 23.35S 174.90W 58–15 5.0b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=9.8km az=40.4.
IDC Error ellipse: s-maj=21.4km s-min=13.7km az=145.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.3km az=118.0.
IDC III 28 10 34 31.8–1.8 22.76S 174.91W 0 4.1,3.9 ¶12635764

IDC Error ellipse: s-maj=80.8km s-min=24.4km az=149.0.
ISC III 28 21 05 43.7–.53 23.2S–.10 174.7W–.10 36 4.3b 141 9-169
IDC III 28 21 05 38.0–.65 23.18S 174.70W 0 4.6,4.4 ¶12635803
ISCJB III 28 21 05 42.4–.30 23.16S–.09 174.81W–.06 36 4.4b,3.8s
NEIC III 28 21 05 45.6–2.0 23.15S 174.76W 55–17 4.9b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=18.1km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=6.8km az=160.4.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.7km az=125.0.
IDC III 28 21 52 04.6–1.8 23.56S 174.27W 0 4.7L,4.4 ¶12635807

IDC Error ellipse: s-maj=163.3km s-min=25.4km az=166.0.
ISC III 28 22 06 46.8–.48 23.35S–.08 174.67W–.09 35 4.5b,3.9s 172 6-169
IDC III 28 22 06 41.8–.64 23.18S 174.68W 0 4.7,4.6 ¶15153447
ISCJB III 28 22 06 45.6–.34 23.3S–.10 174.74W–.05 33 4.7b,4.0s
NEIC III 28 22 06 50.0–1.8 23.11S 174.79W 58–14 5.1b,4.0s
AUST III 28 22 07 19.8 22.41S 177.01W 200 5.1b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=16.0km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=5.9km az=165.7.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.4km az=119.0.
IDC III 29 01 10 10.8–2.6 22.31S 175.04W 0 4.1,3.7b ¶12635827

IDC Error ellipse: s-maj=143.7km s-min=30.3km az=155.0.
IDC III 29 09 13 55.0–2.0 23.86S 175.62W 0 4.1,3.9s ¶12635854

IDC Error ellipse: s-maj=113.8km s-min=25.9km az=154.0.
ISC III 30 19 56 53.1–1.7 23.5S–.50 174.9W–.20 29 4.1b 18 28-151
IDC III 30 19 56 48.7–1.8 23.42S 174.86W 0 4.4,4.1 ¶12635978
ISCJB III 30 19 56 52.2–1.6 23.3S–.50 175.0W–.30 29 4.1b,3.6s
NEIC III 30 19 56 53.8–1.5 23.51S 174.84W 35 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=86.8km s-min=22.4km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=73.9km s-min=18.1km az=156.9.
NEIC Event type se. Error ellipse: s-maj=72.5km s-min=17.1km az=157.0.
IDC III 30 20 27 45.1–2.0 22.90S 174.81W 0 4.2,4.0b ¶12635981

IDC Error ellipse: s-maj=81.9km s-min=27.6km az=152.0.
ISC III 31 00 05 05.6–.75 23.4S–.10 174.9W–.10 29 4.6b,3.5s 49 6-154
IDC III 31 00 05 01.2–.84 23.42S 174.92W 0 4.6,4.4 ¶15153494
ISCJB III 31 00 05 03.8–.69 23.5S–.10 174.9W–.10 29 4.5b,3.6s
AUST III 31 00 05 04.6–6.1 23.30S 174.10W 75–0 4.5b,3.6s
NEIC III 31 00 05 07.1–1.9 23.51S 174.89W 44–14 4.9b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=21.6km az=145.0.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=11.2km az=135.5.
AUST Error ellipse: s-maj=4.1km s-min=1.5km az=3.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=9.2km az=144.0.

ISC III 31 01 16 50.7–.87 23.2S–.10 175.3W–.10 100 4.1b 26 8-151
NEIC III 31 01 16 48.1–2.1 23.23S 175.15W 83–17 4.5b ¶12635996
ISCJB III 31 01 16 49.2–.86 23.2S–.10 175.3W–.10 100 4.0b
IDC III 31 01 16 51.9–13 23.40S 175.14W 116–112 4.1,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=14.0km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=15.5km az=29.0.
IDC Error ellipse: s-maj=70.0km s-min=32.2km az=148.0.
IDC III 31 10 29 12.9–38 23.78S 175.75W 0 4.0,3.8b ¶12636023

IDC Error ellipse: s-maj=713.9km s-min=151.8km az=88.0.
IDC III 31 14 20 15.4–27 22.10S 173.08W 0 4.2,4.1b ¶12636034

IDC Error ellipse: s-maj=507.2km s-min=162.1km az=76.0.
IDC IV 01 05 19 09.3–2.2 23.41S 175.10W 54–8 4.7s,4.7 ¶16152208

IDC Error ellipse: s-maj=103.5km s-min=21.7km az=153.0.
ISC IV 02 13 04 59.7–.83 23.1S–.20 174.6W–.20 30 4.1b 38 10-151
IDC IV 02 13 05 01.7–1.2 23.11S 174.76W 45–7 4.2,4.0 ¶12934320
NEIC IV 02 13 05 01.9–.58 23.08S 174.85W 50 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=17.0km az=145.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=11.1km az=148.0.
ISC IV 03 07 30 10.0–.38 23.02S–.06 174.81W–.07 47–2 4.8b,4.0s 397 7-170
MOS IV 03 07 30 07.2–.85 22.91S 175.02W 33 5.1b,4.0s ¶15153524
IDC IV 03 07 30 10.0–.60 22.98S 174.93W 45–4 4.6,4.5
NEIC IV 03 07 30 09.7–.25 23.05S 174.86W 45 4.8b,4.5
BJI IV 03 07 30 10.7 22.66S 175.16W 44 5.5b,5.2s
ISCJB IV 03 07 30 10.2–1.5 23.09S–.06 174.96W–.05 60–13 4.8b,5.2s
AUST IV 03 07 30 35.7 23.35S 176.37W 200 4.8b,5.2s
ISC Event type se.
MOS Error ellipse: s-maj=15.5km s-min=11.1km az=52.8.
IDC Error ellipse: s-maj=16.4km s-min=13.4km az=124.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.1km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=156.2.
ISC IV 03 21 41 12.9–.43 18.04S–.08 172.4W–.10 21 4.3b,3.8s 223 4-173
IDC IV 03 21 41 09.4–.61 18.24S 172.33W 0 4.5,4.3 ¶12746755
ISCJB IV 03 21 41 11.6–.26 18.07S–.08 172.55W–.07 21 4.3b,3.8s
NEIC IV 03 21 41 15.3–.30 17.94S 172.61W 35 4.6b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=18.1km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=6.6km az=146.9.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=6.8km az=139.0.
ISC IV 03 22 52 31.7–.80 23.5S–.20 175.0W–.20 29 4.6b 28 36-169
IDC IV 03 22 52 28.2–1.5 23.47S 175.11W 0 4.4,4.2 ¶12934363
ISCJB IV 03 22 52 30.0–.68 23.5S–.20 175.1W–.10 29 4.5b,4.2
NEIC IV 03 22 52 34.8–.58 23.44S 175.06W 55 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=46.8km s-min=32.8km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=27.4km s-min=15.7km az=158.1.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=12.4km az=156.0.
ISC IV 04 11 07 13.1–.29 22.54S–.05 174.66W–.04 35–1 5.5b,5.3s 1098 6-180
DJA IV 04 11 07 07.8–3.9 22S–10 175W–6.0 10 5.9b,5.8 ¶15153560
AUST IV 04 11 07 10.8–1.4 22.23S 174.27W 34–0 5.9b,5.8
ISCJB IV 04 11 07 11.9–.11 22.51S–.04 174.77W–.03 34 5.4b,5.3s
MOS IV 04 11 07 11.6–1.5 22.51S 174.70W 33 5.7b,5.3s
SZGRF IV 04 11 07 11.2 21.15S 173.81W 33 5.6b,5.3s
GCMT IV 04 11 07 11.7–.10 22.64S 174.14W 12 5.5W,5.3s
NEIC IV 04 11 07 13.0–.15 22.52S 174.66W 35 5.5b,5.5W
BJI IV 04 11 07 12.0 22.00S 174.44W 27 6.1b,5.7b
IDC IV 04 11 07 13.4–.47 22.51S 174.87W 34–3 5.1,5.1s
BGS IV 04 11 07 13.7–5.7 22.52S 174.66W 33 5.5b,5.1s
ISC Event type se.
AUST Error ellipse: s-maj=1.2km s-min=0.8km az=301.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.7km az=154.6.
MOS Error ellipse: s-maj=8.4km s-min=7.5km az=140.2.
SZGRF Tonga Islands.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=235, per= 50. Moment Tensor Solution. s78,c131; s31,c33; Moment tensor: Scale 10^{17}Nm; M_{rr}1.68±.02 $M_{\theta\theta}$-0.37±.02; $M_{\phi\phi}$-1.32±.02; $M_{r\theta}$0.60±.06; $M_{\theta\phi}$-0.77±.02; $M_{\phi r}$0.90±.05; Best double couple: NP1:ϕ_s206.00000°,δ29.00000°,λ85.00000°. NP2:ϕ_s32.00000°,δ61.00000°,λ93.00000°. Principal axes: T 1.9900,Plg74.0000°,Azm308.0000°; N 0.0600,Plg2.0000°,Azm210.0000° ; P -2.0600,Plg16.0000°,Azm120.0000° $M_0$2.00000×10^{17}
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.3km az=151.0.
IDC Error ellipse: s-maj=12.8km s-min=10.6km az=157.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IV 04 11 59 37.0–.44 22.59S–.07 174.72W–.06 32–2 5.2b,4.6s 387 8-170
IDC IV 04 11 59 32.0–.48 22.45S 174.79W 0 4.9,4.8 ¶12088226
ISCJB IV 04 11 59 35.3–.19 22.58S–.06 174.75W–.04 32 5.1b,4.7s
GCMT IV 04 11 59 35.7–.20 22.66S 174.15W 14–0 5.0W,4.7s
BJI IV 04 11 59 36.5 22.25S 174.34W 36 5.7b,5.3b
MOS IV 04 11 59 36.3–2.0 22.50S 174.87W 33 5.3b,5.3b
NEIC IV 04 11 59 37.3–.21 22.54S 174.76W 35 5.2b,5.3b
DJA IV 04 11 59 40.9–6.6 23S–23 175W–24 53–51 5.6b,5.1
ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s28,c37; s69,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}3.72±.22 $M_{\theta\theta}$0.19±.15; $M_{\phi\phi}$-3.91±.15; $M_{r\theta}$1.44±.41; $M_{\theta\phi}$-0.96±.11; $M_{\phi r}$1.83±.29; Best double couple: NP1:ϕ_s179.00000°,δ32.00000°,λ66.00000°. NP2:ϕ_s26.00000°,δ60.00000°,λ104.00000°. Principal axes: T 4.4800,Plg71.0000° ,Azm328.0000°; N 0.1800,Plg12.0000°,Azm199.0000°; P -4.6600,Plg14.0000° ,Azm105.0000° $M_0$4.60000×10^{16}
NEIC Event type se.
IDC IV 05 04 30 45.8–2.5 23.25S 174.85W 0 4.4,4.1 ¶16152400

IDC Error ellipse: s-maj=149.9km s-min=21.0km az=157.0.
ISC IV 05 07 48 36.0–.42 22.55S–.07 174.74W–.08 22 4.8b,4.6s 167 7-170
IDC IV 05 07 48 31.8–.59 22.37S 174.80W 0 4.7,4.7 ¶12088416
ISCJB IV 05 07 48 34.1–.29 22.47S–.06 174.83W–.06 22 4.8b,4.5s
BJI IV 05 07 48 35.9 22.51S 174.70W 32 5.5b,5.2s
NEIC IV 05 07 48 37.3–.27 22.51S 174.74W 35 4.9b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=14.6km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.9km az=140.9.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.2km az=144.0.
ISC IV 05 08 14 28.7–.40 22.44S–.07 174.80W–.06 31–2 5.1b,4.6s 494 8-170
IDC IV 05 08 14 23.9–.46 22.31S 174.94W 0 4.8,4.7 ¶12088419
ISCJB IV 05 08 14 26.9–.18 22.47S–.06 174.85W–.04 30 4.9b,4.6s
BJI IV 05 08 14 27.0 22.11S 174.62W 27 5.6b,5.2s
GCMT IV 05 08 14 27.3–.30 22.55S 174.21W 14–1 5.0W,5.2s
MOS IV 05 08 14 29.8–1.3 22.24S 174.93W 33 5.1b,5.2s
NEIC IV 05 08 14 29.0–.22 22.46S 174.87W 35 5.0b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=11.3km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=155.7.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s34,c40; s70,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}3.12±.19 $M_{\theta\theta}$-0.21±.12; $M_{\phi\phi}$-2.91±.13; $M_{r\theta}$1.09±.29; $M_{\theta\phi}$-0.83±.08; $M_{\phi r}$2.43±.28; Best double couple: NP1:ϕ_s190.00000°,δ25.00000°,λ80.00000°. NP2:ϕ_s21.00000°,δ65.00000°,λ95.00000°. Principal axes: T 4.1100,Plg69.0000° ,Azm300.0000°; N -0.0100,Plg4.0000°,Azm199.0000°; P -4.1100,Plg20.0000° ,Azm108.0000° $M_0$4.10000×10^{16}
MOS Error ellipse: s-maj=10.9km s-min=9.4km az=51.6.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.8km az=148.0.
IDC IV 05 16 44 18.2–4.7 22.02S 173.90W 0 4.0,3.8 ¶16152421

IDC Error ellipse: s-maj=213.3km s-min=33.5km az=149.0.
ISC IV 06 11 26 11.9–.95 22.5S–.20 174.8W–.20 33 4.1b 13 40-150
IDC IV 06 11 26 06.1–1.6 22.77S 174.69W 0 4.3,4.1 ¶16152459
ISCJB IV 06 11 26 10.9–.77 22.5S–.20 175.0W–.20 33 4.0b,3.7s
ISC Event type ke.
ISCJB Event type ke.

ISC IV 06 12 16 14.4–.31 22.47S–.05 174.87W–.04 84–2 5.3b 979 6-180
IDC IV 06 12 16 02.5–.39 22.59S 174.78W 0 5.2s,5.2 **¶15153574**
AUST IV 06 12 16 05.7–.88 22.25S 174.21W 45–0 5.2s,5.2
GCMT IV 06 12 16 07.4–.10 22.50S 174.19W 12 5.6W,5.2
MOS IV 06 12 16 07.7–1.2 22.33S 175.03W 33 5.5b,5.4s
NEIC IV 06 12 16 08.9–.17 22.38S 174.94W 35 5.5s,5.4b
ISCJB IV 06 12 16 12.2–.14 22.55S–.04 174.93W–.03 79 5.2b,5.4b
BJI IV 06 12 16 15.2 21.74S 174.89W 80 6.1b,5.5s
DJA IV 06 12 16 23.6–4.3 23S–11 175W–14 146–35 6.0b,5.6
ISC Event type se.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves from 109 sta. Moment Tensor Solution. s84,c162; s99,c215; Moment tensor: Scale 10^{17}Nm; M_{rr}2.10±.03 $M_{\theta\theta}$0.26±.03; $M_{\phi\phi}$-2.37±.02; $M_{r\theta}$0.41±.08; $M_{\theta\phi}$0.17±.02; $M_{\phi r}$2.07±.07; Best double couple: NP1: ϕ_s164.00000°,δ25.00000°,λ69.00000°. NP2:ϕ_s7.00000°,δ67.00000°,λ100.00000°. Principal axes: T 2.9900,Plg67.0000°,Azm294.0000°; N 0.1900,Plg9.0000°,Azm183.0000° ; P -3.1800,Plg21.0000°,Azm90.0000° $M_0$3.10000×10^{17}
NEIC Event type se.
ISCJB Event type se.
IDC IV 06 13 03 54.8–.93 22.35S 174.91W 0 4.3,4.2
¶16152462
IDC Error ellipse: s-maj=34.8km s-min=21.5km az=119.0.
IDC IV 07 06 23 40.4–2.2 23.65S 174.10W 0 4.3,4.1
¶16152493
IDC Error ellipse: s-maj=101.0km s-min=28.0km az=156.0.
IDC IV 07 16 27 42.9–3.6 22.11S 175.70W 0 4.1,3.9
¶16152515
IDC Error ellipse: s-maj=119.6km s-min=37.2km az=134.0.
ISC IV 07 19 23 28.0–.41 23.02S–.08 174.62W–.08 36 4.8b,4.1s 136 6-170
IDC IV 07 19 23 22.9–.51 22.91S 174.70W 0 4.7,4.7 **¶15153599**
ISCJB IV 07 19 23 26.6–.29 22.96S–.07 174.79W–.06 36 4.7b,4.2s
AUST IV 07 19 23 28.0–4.4 22.62S 174.06W 76–0 4.7b,4.2s
NEIC IV 07 19 23 29.3–1.8 23.08S 174.70W 51–15 4.9b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=14.7km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.9km az=148.8.
AUST Error ellipse: s-maj=3.7km s-min=1.5km az=335.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.4km az=142.0.
ISC IV 08 00 22 13.2–.60 22.6S–.10 174.7W–.10 22 4.4b,3.9s 45 8-153
IDC IV 08 00 22 09.7–1.3 22.64S 174.68W 0 4.4,4.3 **¶12759381**
ISCJB IV 08 00 22 11.5–.55 22.70S–.09 174.7W–.10 22 4.3b,3.9s
NEIC IV 08 00 22 17.1–1.8 22.72S 174.76W 54–14 4.6b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=52.4km s-min=22.2km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=12.1km az=17.1.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.6km az=94.0.
IDC IV 08 02 35 58.3–25 23.42S 173.80W 0 4.3,4.2
¶16152524
IDC Error ellipse: s-maj=470.1km s-min=143.5km az=78.0.
ISC IV 08 05 52 08.5–.60 22.98S–.09 174.8W–.10 30 4.3b 39 7-170
IDC IV 08 05 52 03.8–.77 22.97S 174.76W 0 4.5,4.3 **¶12759383**
ISCJB IV 08 05 52 07.1–.50 22.96S–.08 174.9W–.10 30 4.3b,4.3
NEIC IV 08 05 52 09.0–.42 22.98S 174.83W 35 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=17.8km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=10.6km az=21.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.8km az=121.0.
IDC IV 09 17 03 11.0–5.5 23.06S 173.76W 0 3.9,3.7
¶16152595
IDC Error ellipse: s-maj=226.3km s-min=40.7km az=143.0.
IDC IV 11 07 23 04.1–18 23.38S 175.30W 0 4.3,4.2
¶16152654
IDC Error ellipse: s-maj=337.6km s-min=134.1km az=83.0.
ISC IV 11 10 21 40.3–.73 23.6S–.20 175.98W–.10 33 3.9b 26 8-152
IDC IV 11 10 21 35.8–1.3 22.87S 176.30W 0 4.7L,4.2 **¶12935038**
ISCJB IV 11 10 21 38.2–.68 23.6S–.20 176.03W–.09 33 4.0b,4.2
NEIC IV 11 10 21 42.5–1.9 23.53S 176.01W 60–16 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=81.9km s-min=19.8km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=11.4km az=171.4.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=10.7km az=170.0.
IDC IV 13 09 50 22.4–48 22.56S 172.41W 0 3.8,3.6
¶16152749
IDC Error ellipse: s-maj=913.8km s-min=183.7km az=87.0.
ISC IV 15 20 26 21.1–.43 23.16S–.10 175.02W–.09 30 4.6b 101 8-170
IDC IV 15 20 26 16.5–.52 23.17S 174.99W 0 4.7,4.6 **¶15153724**
ISCJB IV 15 20 26 19.9–.42 23.22S–.08 175.08W–.08 30 4.5b,4.6
NEIC IV 15 20 26 24.5–2.1 23.32S 175.06W 60–17 4.7b,4.6
AUST IV 15 20 27 56.2–14 23.25S 178.44E 611–1 4.7b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=16.4km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=10.9km az=164.4.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.2km az=97.0.
AUST Error ellipse: s-maj=4.2km s-min=2.3km az=241.0.
NEIC IV 18 15 02 25.9–7.1 18.66S 171.29W 10 4.6b
IDC IV 18 15 02 40.2–24 18.87S 173.38W 0 4.5,4.4 **¶12935542**
NEIC Event type se. Error ellipse: s-maj=138.0km s-min=21.6km az=85.0.
IDC Error ellipse: s-maj=448.1km s-min=150.9km az=73.0.
IDC IV 19 14 32 58.3–28 22.60S 174.00W 0 4.0,3.8
¶16153065
IDC Error ellipse: s-maj=518.6km s-min=158.0km az=77.0.
ISC IV 19 23 15 43.9–.42 23.42S–.10 174.63W–.08 35 4.7b,3.8s 204 9-169
IDC IV 19 23 15 38.4–.54 23.25S 174.69W 0 4.8,4.7 **¶12610905**
ISCJB IV 19 23 15 42.5–.26 23.34S–.08 174.77W–.06 33 4.7b,3.8s
NEIC IV 19 23 15 48.4–1.2 23.32S 174.77W 74–10 4.7b,3.8s
BJI IV 19 23 15 55.5 22.56S 175.17W 112 5.2b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=14.4km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.3km az=158.1.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.1km az=145.0.
IDC IV 21 05 13 25.8–18 22.01S 174.81W 0 4.3,4.1
¶16153189
IDC Error ellipse: s-maj=337.8km s-min=150.2km az=83.0.
IDC IV 22 06 35 42.5–2.8 22.97S 174.76W 0 4.4,4.1
¶16153259
IDC Error ellipse: s-maj=227.8km s-min=31.3km az=163.0.
IDC IV 22 21 12 51.2–26 22.42S 173.71W 0 4.7,4.6
AUST IV 22 21 14 14.0–18 25.42S 179.79E 298–0 4.7,4.6 **¶16359993**
IDC Error ellipse: s-maj=479.3km s-min=137.9km az=77.0.
AUST Error ellipse: s-maj=9.9km s-min=3.5km az=293.0.
ISC IV 24 10 25 38.3–.48 22.79S–.09 175.32W–.08 34 4.5b,4.1s 52 8-170
IDC IV 24 10 25 33.3–.68 22.87S 175.35W 0 4.5,4.4 **¶12842948**
NEIC IV 24 10 25 34.7–.35 22.79S 175.34W 10 4.5b,4.4
ISCJB IV 24 10 25 36.9–.49 22.80S–.08 175.46W–.09 34 4.3b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 26 02 32 57.7–.88 22.7S–.10 175.0W–.20 33 4.2b 20 9-97
IDC IV 26 02 32 52.8–1.2 22.71S 174.94W 0 4.3,4.1 **¶12936249**
NEIC IV 26 02 32 55.1–4.7 22.69S 174.94W 14–30 4.4b,4.1
ISCJB IV 26 02 32 56.3–.76 22.6S–.10 175.0W–.10 33 4.1b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 28 18 27 12.2–2.3 22.6S–.40 174.9W–.40 33 4.4b 29 9-150
IDC IV 28 18 27 07.2–2.2 22.53S 174.91W 0 4.3,4.2 **¶12867460**
NEIC IV 28 18 27 09.0–7.8 22.67S 174.81W 15–42 4.7b,4.2
ISCJB IV 28 18 27 11.1–1.9 22.5S–.30 175.0W–.30 33 4.2b,4.2
ISC Event type ke.
NEIC Event type se.
ISCJB Event type se.
ISC IV 28 19 26 24.4–.54 22.7S–.10 174.9W–.10 33 4.2b 37 14-151
IDC IV 28 19 26 18.9–.99 22.59S 174.89W 0 4.3,4.2 **¶12867459**
NEIC IV 28 19 26 20.8–.45 22.65S 174.97W 10 4.8b,4.2
ISCJB IV 28 19 26 22.6–.50 22.70S–.10 174.93W–.10 33 4.2b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 29 11 57 39.3–.47 17.04S–.10 172.6W–.10 41 4.4b,4.0s 61 3-173
IDC IV 29 11 57 32.5–.56 16.97S 172.73W 0 4.5,4.4 **¶12866387**
NEIC IV 29 11 57 41.2–2.3 17.03S 172.77W 65–20 4.5b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=16.4km az=126.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=11.6km az=131.0.
IDC IV 29 12 05 02.7–1.5 22.51S 174.96W 0 4.2,4.0
¶16154620
IDC Error ellipse: s-maj=74.4km s-min=19.4km az=150.0.
IDC IV 29 12 49 35.9–13 17.41S 170.09W 0 3.8,3.7b
¶16154621
IDC Error ellipse: s-maj=275.3km s-min=33.3km az=89.0.
ISC V 03 12 08 06.7–1.6 22.2S–.30 176.0W–.30 35 4.2b,3.7s 21 7-149
IDC V 03 12 07 58.5–2.3 22.84S 175.58W 0 4.2,4.0b **¶12866396**
NEIC V 03 12 08 04.6–1.7 22.53S 175.68W 35 4.5b,4.0b
ISCJB V 03 12 08 05.1–1.7 22.0S–.30 176.1W–.30 35 4.0b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 04 21 48 06.8–6.2 23.75S 174.99W 0 4.2,4.0b
¶16154906
IDC Error ellipse: s-maj=304.1km s-min=51.0km az=151.0.
ISC V 04 21 56 41.3–.78 23.4S–.20 175.5W–.20 30 4.2b 26 8-151
IDC V 04 21 56 36.7–1.6 23.39S 175.48W 0 4.2,4.0 **¶13439327**
ISCJB V 04 21 56 39.5–.75 23.5S–.10 175.5W–.10 30 4.0b,3.5s
NEIC V 04 21 56 45.1–1.6 23.54S 175.56W 65–13 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=73.0km s-min=23.7km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=14.5km az=6.5.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.8km az=99.0.
IDC V 05 02 17 49.9–1.7 22.46S 174.75W 0 4.6s,4.6
¶16154915
IDC Error ellipse: s-maj=65.5km s-min=24.2km az=151.0.
IDC V 06 07 38 25.6–9.0 17.55S 172.47W 0 3.6,3.4
¶16155445
IDC Error ellipse: s-maj=391.1km s-min=41.0km az=140.0.
IDC V 06 18 41 50.1–28 22.53S 174.19W 0 4.1,3.9
¶16155461
IDC Error ellipse: s-maj=515.0km s-min=143.4km az=78.0.
ISC V 09 19 31 33.3–10 23.6S–.80 175W–1.0 35 4.2b 12 35-64
IDC V 09 19 31 19.1–16 22.57S 174.31W 0 4.3,4.2 **¶16155556**
AUST V 09 19 32 32.4 26.10S 179.41W 300 4.3,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=313.3km s-min=128.7km az=82.0.
IDC V 11 03 22 33.7–1.8 17.92S 172.92W 0 4.1,3.9
¶16155619
IDC Error ellipse: s-maj=111.3km s-min=21.3km az=147.0.
ISC V 20 09 40 21.9–.85 23.32S–.05 174.67W–.05 49–7 5.3b,4.7s 719 6-169
IDC V 20 09 40 15.0–.37 23.34S 174.82W 0 5.2,5.2 **¶15154422**
GCMT V 20 09 40 18.9–.30 23.24S 174.16W 13–1 5.1W,5.2
ISCJB V 20 09 40 18.8–.16 23.31S–.04 174.64W–.03 33 5.3b,4.7s
MOS V 20 09 40 19.7–1.1 23.15S 174.75W 33 5.6b,4.6s
NEIC V 20 09 40 19.4–2.0 23.33S 174.67W 30–13 5.3b,4.6s
AUST V 20 09 40 20.8 22.64S 174.27W 60 5.3b,4.6s
BGS V 20 09 40 21.3–5.5 23.33S 174.67W 33 5.3b,4.6s
BJI V 20 09 40 23.6 23.20S 174.70W 60 5.5b,5.4s
DJA V 20 09 40 58.0–7.7 23S–18 176W–63 344–75 5.5b,5.1
ISC Event type se.
GCMT Event type se. Data Used: IC G IU II CN. Moment Tensor Solution. s33,c46; s67,c102; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.28±.26 $M_{\theta\theta}$0.14±.20; $M_{\phi\phi}$4.14±.17; $M_{r\theta}$-1.07±.48; $M_{\theta\phi}$2.84±.13; $M_{\phi r}$-1.42±.39; Best double couple: NP1:ϕ_s202.00000°,δ35.00000°,λ-99.00000°. NP2:ϕ_s32.00000°,δ55.00000°,λ-84.00000°. Principal axes: T 5.9200,Plg10.0000° ,Azm118.0000°; N -1.3100,Plg5.0000°,Azm209.0000°; P -4.6100,Plg79.0000° ,Azm325.0000° $M_0$5.30000×10^{16}
ISCJB Event type se.
NEIC Event type se.
ISC V 27 02 08 45.6–.35 19.34S–.05 172.74W–.05 34–1 5.1b,4.6s 607 5-176
DJA V 27 02 08 40.5–.40 19S–10 173W–5.0 15 5.9b,5.6 **¶15155536**
AUST V 27 02 08 40.7–26 18.89S 172.87W 0–0 5.9b,5.6
ISCJB V 27 02 08 44.1–.16 19.32S–.04 172.76W–.03 37 5.1b,4.6s
GCMT V 27 02 08 45.1–.10 19.32S 172.37W 12 5.2W,4.6s
SZGRF V 27 02 08 45.2 19.38S 172.19W 33 5.2W,4.6s
BJI V 27 02 08 45.9 19.20S 172.80W 37 5.4b,5.2b
NEIC V 27 02 08 45.8–.13 19.22S 172.79W 38 5.1b,5.2b
MOS V 27 02 08 47.2–1.3 19.09S 172.79W 56 5.3b,4.8s
IDC V 27 02 08 47.4–2.4 19.30S 172.81W 55–20 4.8L,4.7
ISC Event type se.
AUST Error ellipse: s-maj=2.1km s-min=1.3km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.7km az=151.4.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s59,c84; s92,c157; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.66±.14 $M_{\theta\theta}$-1.38±.15; $M_{\phi\phi}$8.04±.11; $M_{r\theta}$-0.58±.41; $M_{\theta\phi}$0.16±.12; $M_{\phi r}$2.03±.31; Best double couple: NP1:ϕ_s8.00000°,δ38.00000°,λ-80.00000°. NP2:ϕ_s175.00000°,δ53.00000°,λ-98.00000°. Principal axes: T 8.3200,Plg8.0000° ,Azm270.0000°; N -1.3200,Plg6.0000°,Azm180.0000°; P -7.0000,Plg80.0000°,Azm52.0000° $M_0$7.70000×10^{16}
SZGRF Tonga Islands region.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=142.0.
MOS Error ellipse: s-maj=10.6km s-min=8.3km az=136.2.
IDC Error ellipse: s-maj=15.1km s-min=9.6km az=150.0.
IDC V 27 04 28 41.8–1.3 17.83S 172.72W 0 4.2,3.9
¶13232187
IDC Error ellipse: s-maj=56.7km s-min=19.7km az=141.0.
IDC V 29 06 51 28.8–28 19.79S 171.86W 0 4.0,3.9
¶16156298
IDC Error ellipse: s-maj=528.0km s-min=172.1km az=75.0.
IDC V 31 15 11 40.3–1.6 18.85S 172.99W 0 4.1,3.9
¶16066120
IDC Error ellipse: s-maj=72.9km s-min=22.7km az=146.0.
IDC VI 03 04 36 48.2–17 22.50S 174.90W 0 4.1,4.0
¶16100886
IDC Error ellipse: s-maj=328.3km s-min=151.9km az=81.0.
IDC VI 03 09 45 28.7–2.0 22.44S 174.97W 0 4.2,3.9
¶16100894
IDC Error ellipse: s-maj=130.8km s-min=22.7km az=153.0.
IDC VI 03 23 01 55.7–4.2 22.05S 173.58W 0 4.1,3.9
¶16100913
IDC Error ellipse: s-maj=168.3km s-min=35.1km az=144.0.
IDC VI 04 20 38 45.0–28 22.25S 174.07W 0 4.3,4.1
¶16100961
IDC Error ellipse: s-maj=517.9km s-min=151.2km az=77.0.
ISC VI 05 19 33 18.3–.63 22.93S–.10 175.0W–.10 30 4.4b 49 8-153
IDC VI 05 19 33 14.3–1.0 22.63S 174.99W 0 4.4,4.3 **¶13680569**
NEIC VI 05 19 33 15.3–4.8 22.54S 175.08W 8–29 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=18.4km az=145.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.9km az=135.0.
IDC VI 07 08 51 14.5–28 23.61S 175.06W 0 4.3,4.1
¶16101055
IDC Error ellipse: s-maj=557.0km s-min=164.5km az=94.0.
IDC VI 08 03 00 09.5–.73 22.14S 175.26W 0 4.1,4.0
¶16101084
IDC Error ellipse: s-maj=31.8km s-min=20.2km az=125.0.
ISC VI 08 03 31 49.2–.29 22.97S–.05 175.09W–.06 30 5.1b,4.4s 384 6-170
BJI VI 08 03 31 40.1 23.28S 174.24W 4 5.4b,5.4b **¶15155910**
AUST VI 08 03 31 45.2 22.64S 174.27W 35 5.4b,5.4b

DJA	VI	08 03 31 46.6–4.4	22S–14	175W–8.0	27–38	5.8b,5.6			
ISCJB	VI	08 03 31 47.3–.19	22.92S–.04	175.04W–.04	30	5.0b,4.3s			
MOS	VI	08 03 31 48.4–1.2	22.79S	175.06W	34	5.2b,4.3s			
NEIC	VI	08 03 31 49.6–1.4	22.91S	174.96W	37–12	5.0b,4.3s			
IDC	VI	08 03 31 51.4–.55	22.88S	175.07W	48–5	4.8,4.8			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=137.7.								
MOS	Error ellipse: s-maj=12.2km s-min=10.0km az=58.5.								
NEIC	Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=156.0.								
IDC	Error ellipse: s-maj=13.4km s-min=11.0km az=130.0.								
IDC	**VI**	**09 07 45 34.9–37**	**22.35S**	**172.66W**	**0**	**4.2,4.1**			
									¶16101138
IDC	Error ellipse: s-maj=703.6km s-min=170.1km az=86.0.								
IDC	**VI**	**09 21 09 31.4–7.2**	**17.40S**	**171.20W**	**0**	**4.4,4.3**			
									¶16101162
IDC	Error ellipse: s-maj=149.8km s-min=127.6km az=139.0.								
ISC	**VI**	**12 13 48 55.7–1.0**	**23.6S–.30**	**174.5W–.10**	**35**	**4.3b**	**17**	**14-85**	
NEIC	VI	12 13 48 52.4–.54	23.64S	174.58W	10	4.6b			**¶13681225**
IDC	VI	12 13 48 53.0–17	22.59S	175.05W	0	4.4,4.2			
ISCJB	VI	12 13 48 53.5–.84	23.5S–.30	174.5W–.10	33	4.3b,4.2			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
IDC	**VI**	**13 13 37 45.0–18**	**23.85S**	**175.31W**	**0**	**4.0,3.8**			
									¶16101276
IDC	Error ellipse: s-maj=332.7km s-min=137.2km az=84.0.								
ISC	**VI**	**15 19 14 07.8–.52**	**23.0S–.10**	**175.0W–.10**	**30**	**4.4b,4.2s**	**72**	**6-153**	
IDC	VI	15 19 14 02.9–.60	22.91S	175.22W	0	4.5,4.4			**¶15156127**
ISCJB	VI	15 19 14 06.3–.39	22.98S–.09	175.18W–.08	30	4.4b,4.1s			
NEIC	VI	15 19 14 14.9–2.6	22.93S	175.29W	91–21	4.5b,4.1s			
AUST	VI	15 19 14 15.5	21.71S	174.92W	100	4.5b,4.1s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=29.0km s-min=15.2km az=146.0.								
ISCJB	Event type se. Error ellipse: s-maj=13.8km s-min=9.9km az=150.3.								
NEIC	Event type se. Error ellipse: s-maj=20.7km s-min=12.0km az=137.0.								
IDC	**VI**	**16 01 48 09.4–1.7**	**18.92S**	**172.70W**	**0**	**4.4,4.1**			
									¶16101386
IDC	Error ellipse: s-maj=111.9km s-min=18.9km az=151.0.								
IDC	**VI**	**16 01 48 35.7–4.1**	**19.12S**	**172.63W**	**0**	**4.4,4.2**			
									¶16101389
IDC	Error ellipse: s-maj=268.3km s-min=35.7km az=154.0.								
IDC	**VI**	**16 02 14 08.8–1.8**	**18.76S**	**172.64W**	**0**	**4.3,4.0**			
									¶16101391
IDC	Error ellipse: s-maj=118.4km s-min=19.1km az=151.0.								
IDC	**VI**	**16 03 10 18.6–50**	**17.04S**	**172.55W**	**0**	**4.1,3.9**			
									¶16101392
IDC	Error ellipse: s-maj=962.5km s-min=189.5km az=81.0.								
IDC	**VI**	**16 19 12 12.7–6.6**	**18.54S**	**171.99W**	**0**	**4.4,4.1**			
									¶16101414
IDC	Error ellipse: s-maj=336.4km s-min=58.5km az=146.0.								
IDC	**VI**	**17 08 50 50.9–27**	**23.27S**	**173.51W**	**0**	**4.3,4.1**			
									¶16101429
IDC	Error ellipse: s-maj=500.5km s-min=145.1km az=79.0.								
IDC	**VI**	**19 11 05 30.0–17**	**22.44S**	**174.63W**	**0**	**4.3,4.2**			
									¶16101499
IDC	Error ellipse: s-maj=316.0km s-min=137.7km az=82.0.								
IDC	**VI**	**21 17 57 18.7–28**	**23.22S**	**173.96W**	**0**	**4.1,4.0**			
									¶16101585
IDC	Error ellipse: s-maj=514.3km s-min=144.3km az=79.0.								
IDC	**VI**	**22 08 37 47.4–40**	**23.59S**	**175.98W**	**0**	**4.1,3.9**			
									¶16101601
IDC	Error ellipse: s-maj=748.7km s-min=158.6km az=88.0.								
IDC	**VI**	**25 01 18 41.7–.88**	**23.20S**	**175.42W**	**0**	**4.3,4.1**			
									¶13568825
IDC	Error ellipse: s-maj=38.1km s-min=22.5km az=155.0.								
ISC	**VI**	**27 02 34 40.8–.46**	**22.94S–.08**	**175.2W–.10**	**30**	**4.7b,3.7s**	**109**	**6-170**	
AUST	VI	27 02 34 34.0–18	23.09S	174.37W	0–0	4.7b,3.7s			**¶15156290**
IDC	VI	27 02 34 35.9–.59	22.93S	175.22W	0	4.6,4.5			
ISCJB	VI	27 02 34 39.3–.30	22.94S–.08	175.29W–.07	30	4.7b,3.8s			
NEIC	VI	27 02 34 41.3–.22	22.89S	175.30W	35	4.7b,3.8s			
BJI	VI	27 02 34 51.2	22.99S	175.58W	118	5.0b,4.9b			
ISC	Event type se.								
AUST	Error ellipse: s-maj=3.5km s-min=1.4km az=349.0.								
IDC	Error ellipse: s-maj=20.8km s-min=15.2km az=139.0.								
ISCJB	Event type se. Error ellipse: s-maj=12.2km s-min=7.3km az=144.2.								
NEIC	Event type se. Error ellipse: s-maj=10.0km s-min=6.1km az=141.0.								

(175) South of Tonga Islands.

ISC	**I**	**03 08 22 58.3–.36**	**25.41S–.05**	**175.36W–.05**	**25–2**	**5.4b,4.7s**	**1192**	**4-167**	
DJA	I	03 08 22 51	24.57S	174.90W	10	5.3b,4.7s			**¶13404563**
IDC	I	03 08 22 54.2–.40	25.27S	175.43W	0	5.1,5.1			
BJI	I	03 08 22 55.8	24.75S	174.94W	14	5.6b,5.3b			
ISCJB	I	03 08 22 57.4–1.3	25.29S–.05	175.52W–.04	33–11	5.3b,4.7s			
MOS	I	03 08 22 59.1–.94	25.09S	175.48W	33	5.4b,4.6s			
NEIC	I	03 08 22 59.1–2.1	25.39S	175.49W	32–14	5.4b,4.6s			
BGS	I	03 08 23 02.1–5.3	25.39S	175.49W	33	5.4b,4.6s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=16.1km s-min=10.5km az=165.0.								
ISCJB	Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=164.5.								
MOS	Error ellipse: s-maj=11.7km s-min=8.9km az=78.1.								
NEIC	Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=154.0.								
BGS	Error ellipse: s-maj=401.4km s-min=999.9km az=-1.0.								
ISC	**I**	**11 18 29 06.5–.40**	**26.79S–.05**	**175.89W–.06**	**17–1**	**5.3b,4.7s**	**580**	**3-166**	
IDC	I	11 18 29 03.7–.38	26.73S	176.01W	0	5.0,5.0			**¶11594539**
BJI	I	11 18 29 04.8	26.42S	175.72W	8	5.9b,5.3s			
NEIC	I	11 18 29 04.3–.33	26.73S	175.97W	6–2	5.4b,5.3s			
ISCJB	I	11 18 29 05.2–.15	26.80S–.05	176.14W–.04	15	5.3b,4.7s			
MOS	I	11 18 29 08.9–1.3	26.50S	176.14W	33	5.4b,4.7s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=16.3km s-min=14.0km az=171.0.								
NEIC	Event type se. Error ellipse: s-maj=6.2km s-min=4.7km az=136.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.1km s-min=4.2km az=150.5.								
MOS	Error ellipse: s-maj=13.4km s-min=11.5km az=129.9.								
ISC	**I**	**11 19 32 48.4–.57**	**26.7S–.20**	**176.0W–.10**	**32**	**4.1b,3.8s**	**43**	**16-166**	
IDC	I	11 19 32 43.7–.91	26.66S	176.07W	0	4.3,4.3			**¶13404812**
ISCJB	I	11 19 32 46.6–.62	26.8S–.20	176.0W–.10	32	4.1b,3.7s			
NEIC	I	11 19 32 52.0–4.3	26.78S	176.05W	64–36	4.5b,3.7s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=42.7km s-min=19.8km az=157.0.								
ISCJB	Event type se. Error ellipse: s-maj=22.4km s-min=14.5km az=166.1.								
NEIC	Event type se. Error ellipse: s-maj=19.7km s-min=17.1km az=123.0.								
IDC	**I**	**16 21 39 11.2–1.8**	**24.04S**	**175.25W**	**46–6**	**4.1,3.9b**			
									¶12081483
IDC	Error ellipse: s-maj=77.1km s-min=20.5km az=158.0.								
IDC	**I**	**26 20 19 57.7–30**	**24.68S**	**174.09W**	**0**	**4.4s,4.3**			
									¶12082406
IDC	Error ellipse: s-maj=549.5km s-min=159.0km az=80.0.								
IDC	**II**	**02 17 28 34.9–31**	**24.21S**	**174.46W**	**0**	**4.3,4.2**			
									¶15954907
IDC	Error ellipse: s-maj=566.8km s-min=152.6km az=79.0.								
IDC	**II**	**20 18 44 04.7–13**	**26.28S**	**171.68W**	**0**	**3.8s,3.8**			
									¶15956828
IDC	Error ellipse: s-maj=261.3km s-min=115.2km az=56.0.								
ISC	**II**	**21 14 30 35.1–.65**	**25.9S–.10**	**175.9W–.20**	**23**	**4.1b,3.6s**	**35**	**4-167**	
IDC	II	21 14 30 31.3–.67	25.94S	175.95W	0	4.4,4.2			**¶11789797**
ISCJB	II	21 14 30 33.2–.68	25.84S–.10	176.0W–.10	23	4.3b,3.5s			
NEIC	II	21 14 30 35.5–3.2	25.89S	175.95W	28–21	5.0b,3.5s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=31.0km s-min=24.1km az=139.0.								
ISCJB	Event type se. Error ellipse: s-maj=18.8km s-min=13.3km az=14.6.								
NEIC	Event type se. Error ellipse: s-maj=16.2km s-min=9.7km az=94.0.								
IDC	**III**	**22 12 01 52.7–2.1**	**24.56S**	**174.49W**	**0**	**4.8L,4.2**			
									¶12635285
IDC	Error ellipse: s-maj=182.2km s-min=27.8km az=166.0.								
IDC	**IV**	**24 09 53 40.2–26**	**24.55S**	**173.97W**	**0**	**4.5,4.3**			
									¶16153330
IDC	Error ellipse: s-maj=484.3km s-min=139.1km az=79.0.								
ISC	**V**	**27 00 04 48.9–.43**	**24.63S–.05**	**175.60W–.06**	**53–3**	**4.9b,4.3s**	**345**	**5-168**	
AUST	V	27 00 04 44.1	24.23S	175.17W	30	4.9b,4.3s			**¶15155532**
BJI	V	27 00 04 45.5	24.60S	175.50W	30	5.3b,5.2s			
GCMT	V	27 00 04 46.9–.40	24.58S	175.01W	20–1	4.9W,5.2s			
SZGRF	V	27 00 04 47.0	24.43S	175.60W	33	4.9W,5.2s			
ISCJB	V	27 00 04 47.2–.19	24.66S–.05	175.60W–.05	51	4.9b,4.3s			
IDC	V	27 00 04 49.9–.58	24.55S	175.68W	59–4	4.6,4.6			
NEIC	V	27 00 04 49.4–.18	24.65S	175.54W	58	4.9b,4.6			
ISC	Event type se.								
GCMT	Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s29,c33; s60,c71; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.26±.17 $M_{\theta\theta}$0.29±.13; $M_{\phi\phi}$1.97±.12; $M_{r\theta}$0.74±.30; $M_{\theta\phi}$-1.06±.10; $M_{\phi r}$0.62±.23; Best double couple: NP1:ϕ_s314.00000°,δ46.00000°,λ-120.00000°. NP2:ϕ_s174.00000°,δ52.00000°,λ-63.00000°. Principal axes: T 2.4900,Plg3.0000° ,Azm245.0000°; N 0.1400,Plg21.0000°,Azm336.0000°; P -2.6400,Plg69.0000° ,Azm148.0000° $M_0$2.60000×10^{16}								
SZGRF	South of Tonga Islands.								
ISCJB	Event type se. Error ellipse: s-maj=7.5km s-min=4.7km az=140.8.								
IDC	Error ellipse: s-maj=12.5km s-min=10.9km az=168.0.								
NEIC	Event type se. Error ellipse: s-maj=8.2km s-min=5.3km az=142.0.								
IDC	**VI**	**11 05 09 22.9–9.0**	**24.63S**	**175.36W**	**56–78**	**4.0L,3.8**			
									¶16101198
IDC	Error ellipse: s-maj=41.3km s-min=29.6km az=164.0.								
IDC	**VI**	**19 16 48 13.5–26**	**24.07S**	**174.57W**	**0**	**4.2,4.1**			
									¶16101508
IDC	Error ellipse: s-maj=473.9km s-min=134.7km az=82.0.								

(176) North of New Zealand.

WEL	**II**	**25 02 54 38.1–.42**	**34.98S**	**177.88E**	**33**	**3.9L**			
									¶12058384
WEL	Event type ke. Error ellipse: s-maj=6.2km s-min=2.7km az=90.0.								
ISC	**IV**	**01 14 52 25.0–3.0**	**29.9S–.10**	**177.8E–.30**	**100**	**3.8b**	**27**	**8-143**	
IDC	IV	01 14 52 02.1–17	28.72S	178.93W	117–157	4.2L,3.6			**¶16152228**
ISC	Event type ke.								
IDC	Error ellipse: s-maj=154.1km s-min=81.1km az=7.0.								
WEL	**V**	**06 02 28 21.7–.70**	**34.61S**	**177.91E**	**33**	**4.3L**			
									¶14301572
WEL	Event type ke. Error ellipse: s-maj=13.7km s-min=5.1km az=90.0.								

(177) Kermadec Islands region.

IDC	**I**	**01 00 42 45.0–3.1**	**31.01S**	**176.93W**	**0**	**3.9,3.8**			
									¶12079718
IDC	Error ellipse: s-maj=76.7km s-min=44.8km az=125.0.								
IDC	**I**	**02 03 50 11.8–2.0**	**30.93S**	**176.68W**	**0**	**4.1,3.9b**			
									¶12079799
IDC	Error ellipse: s-maj=75.4km s-min=44.0km az=12.0.								
ISC	**I**	**02 14 43 08.9–1.4**	**31.3S–.10**	**178.8W–.20**	**46**	**4.3b**	**14**	**7-162**	
IDC	I	02 14 42 59.5–1.3	30.90S	178.18W	0	4.5,4.4b			**¶12079824**
ISCJB	I	02 14 43 09.3–1.8	31.37S–.08	178.9W–.30	46	4.3b,4.4b			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**I**	**02 23 55 58.8–2.8**	**31.42S**	**177.94W**	**0**	**4.1,4.0b**			
									¶12079861
IDC	Error ellipse: s-maj=62.1km s-min=41.9km az=127.0.								
IDC	**I**	**03 09 08 41.0–4.8**	**28.74S**	**177.91W**	**0**	**3.9L,3.8**			
									¶12079885
IDC	Error ellipse: s-maj=93.5km s-min=55.5km az=85.0.								
IDC	**I**	**03 10 37 44.1–1.5**	**29.17S**	**175.73W**	**0**	**3.9,3.7**			
									¶12079892
IDC	Error ellipse: s-maj=48.9km s-min=41.6km az=154.0.								
ISC	**I**	**04 08 12 59.6–2.6**	**31.7S–.10**	**177.9W–.40**	**61**		**17**	**7-146**	
IDC	I	04 08 12 55.3–6.6	31.03S	178.47W	0	4.6,4.3			**¶12080143**
ISCJB	I	04 08 12 57.4–1.8	31.74S–.09	177.9W–.30	61	4.3b,4.3			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**I**	**04 08 43 22.3–2.2**	**29.82S–.10**	**179.0W–.30**	**350**	**3.5b**	**19**	**8-144**	
IDC	I	04 08 43 23.2–9.0	29.76S	178.92W	368–92	3.4,3.3b			**¶12080151**
ISC	Event type ke.								
IDC	Error ellipse: s-maj=90.0km s-min=46.3km az=8.0.								
ISC	**I**	**04 14 22 36.1–1.5**	**31.6S–.10**	**179.2W–.20**	**145**	**4.4b**	**37**	**6-146**	
IDC	I	04 14 22 17.5–1.3	30.51S	178.56W	0	4.6,4.5b			**¶12080215**
ISCJB	I	04 14 22 35.3–.92	31.66S–.06	179.0W–.10	145	4.3b,4.5b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**I**	**05 22 27 13.2–.35**	**27.54S–.04**	**176.56W–.05**	**43–2**	**5.3b,4.8s**	**611**	**2-175**	
IDC	I	05 22 27 06.9–.45	27.45S	176.60W	0	5.1,5.1			**¶13404624**
ISCJB	I	05 22 27 10.9–2.8	27.45S–.04	176.77W–.04	30–19	5.3b,4.8s			
BJI	I	05 22 27 11.7	27.01S	175.83W	49	5.5b,5.5b			
MOS	I	05 22 27 11.6–1.1	27.38S	176.78W	33	5.4b,4.9s			
NEIC	I	05 22 27 13.9–1.2	27.48S	176.71W	47–10	5.2b,4.9s			
DJA	I	05 22 27 35	27.61S	177.33W	217	4.9b,4.9s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=16.9km s-min=16.3km az=157.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.9km s-min=5.9km az=142.9.								
MOS	Error ellipse: s-maj=11.2km s-min=9.2km az=97.5.								
NEIC	Event type se. Error ellipse: s-maj=7.2km s-min=5.9km az=153.0.								
ISC	**I**	**07 16 23 13.0–1.4**	**31.36S–.09**	**179.0E–.20**	**363**		**32**	**6-151**	
IDC	I	07 16 23 17.0–6.8	31.94S	179.81E	455–75	3.4,3.2			**¶12080656**
ISC	Event type ke.								
IDC	Error ellipse: s-maj=89.0km s-min=43.7km az=18.0.								
ISC	**I**	**09 03 55 32.2–1.1**	**31.45S–.09**	**178.8W–.20**	**87**	**4.5b**	**36**	**7-162**	
NEIC	I	09 03 55 27.6–5.2	31.07S	178.50W	60–38	4.5b			**¶12080801**
IDC	I	09 03 55 30.0–7.5	31.25S	178.68W	72–58	4.3L,4.2			
ISCJB	I	09 03 55 32.2–1.2	31.48S–.05	179.0W–.20	87	4.5b,4.2			
ISC	Event type ke.								
NEIC	Event type se.								
ISCJB	Event type ke.								
IDC	**I**	**10 02 22 47.1–2.1**	**29.91S**	**176.69W**	**0**	**4.1,4.0**			
									¶12080911
IDC	Error ellipse: s-maj=59.7km s-min=41.4km az=44.0.								
IDC	**I**	**11 02 47 11.8–5.3**	**28.79S**	**177.94W**	**0**	**4.1,3.9b**			
									¶12081006
IDC	Error ellipse: s-maj=187.7km s-min=83.7km az=154.0.								
IDC	**I**	**13 12 34 53.7–49**	**30.19S**	**178.91E**	**0**	**3.9,3.7b**			
									¶12081183
IDC	Error ellipse: s-maj=869.3km s-min=160.9km az=96.0.								
IDC	**I**	**18 05 24 28.1–3.4**	**31.44S**	**178.90W**	**0**	**4.0,3.9**			
									¶12081603
IDC	Error ellipse: s-maj=89.2km s-min=32.6km az=42.0.								
IDC	**I**	**19 16 10 33.5–6.2**	**31.24S**	**178.38W**	**0**	**4.0,3.7b**			
									¶12081774
IDC	Error ellipse: s-maj=245.0km s-min=60.6km az=156.0.								
ISC	**I**	**24 01 28 43.5–.21**	**28.16S–.04**	**176.62W–.04**	**37**	**5.8s,5.5b**	**1540**	**2-174**	
DJA	I	24 01 28 37	28.30S	175.91W	30	5.5b,5.5b			**¶11617181**
BJI	I	24 01 28 37.7	27.75S	176.26W	7	6.1b,5.9s			
NEIC	I	24 01 28 39.4–.15	28.25S	176.70W	10	5.8s,5.8W			
ISCJB	I	24 01 28 40.7–.10	28.53S–.03	176.71W–.03	31	5.8s,5.5b			
MOS	I	24 01 28 42.4–1.0	28.10S	176.75W	33	5.8s,5.6b			
IDC	I	24 01 28 45.8–2.7	28.16S	176.74W	54–23	5.7s,5.7			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=7.2km s-min=4.1km az=150.0. Moment Tensor Solution. $M_0$1.90000×10^{18}								
ISCJB	Event type se. Error ellipse: s-maj=4.8km s-min=2.7km az=136.8.								
MOS	Error ellipse: s-maj=9.2km s-min=7.3km az=69.1.								
IDC	Error ellipse: s-maj=15.2km s-min=10.9km az=169.0.								
IDC	**I**	**24 01 50 43.8–1.1**	**28.10S**	**176.75W**	**0**	**4.1,3.9b**			

¶12082176

IDC Error ellipse: s-maj=57.5km s-min=27.9km az=161.0.
ISC I 25 01 17 41.5–.55 28.3S–.10 176.7W–.10 37 4.3b,4.2s 49 1-165
IDC I 25 01 17 36.0–.68 28.16S 176.63W 0 4.3,4.2 **¶11671810**
NEIC I 25 01 17 37.2–.37 28.12S 176.59W 10 4.8b,4.2
ISCJB I 25 01 17 40.1–.53 28.22S–.08 176.68W–.09 37 4.3b,4.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC I 25 13 10 53.8–2.7 31.3S–.20 176.6W–.40 35 12 8-146
IDC I 25 13 10 52.4–7.2 30.47S 177.11W 0 3.9,3.6b **¶12082307**
ISC Event type ke.
IDC Error ellipse: s-maj=300.0km s-min=58.3km az=155.0.
IDC I 25 13 32 45.0–6.5 31.33S 178.93W 0 4.0,3.7b

¶12082308

IDC Error ellipse: s-maj=265.8km s-min=57.9km az=157.0.
ISC II 02 03 24 45.6–.55 27.31S–.08 176.3W–.10 34 4.5b,4.0s 64 2-166
IDC II 02 03 24 40.6–.61 27.23S 176.43W 0 4.6,4.6 **¶13434177**
ISCJB II 02 03 24 44.7–.58 27.27S–.06 176.5W–.10 34 4.4b,4.0s
NEIC II 02 03 24 47.8–1.3 27.35S 176.51W 53–10 4.5b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=18.3km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=7.7km az=22.1.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.8km az=98.0.
ISC II 02 16 09 29.6–.62 27.2S–.10 175.9W–.10 31 4.3b,3.6s 37 3-166
IDC II 02 16 09 26.6–.87 27.41S 176.41W 0 4.4,4.3 **¶13434197**
NEIC II 02 16 09 31.3–7.9 27.41S 176.44W 30–54 4.9b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=20.9km az=145.0.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=19.3km az=215.0.
ISC II 02 22 44 14.7–.99 29.9S–.20 176.9W–.10 24 3.9b 20 1-151
IDC II 02 22 44 10.7–2.9 30.11S 176.87W 0 4.2,4.1 **¶12699434**
ISCJB II 02 22 44 12.6–.95 30.1S–.10 177.0W–.10 24 4.0b,3.4s
NEIC II 02 22 44 16.3–.78 29.89S 177.02W 35 4.1b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=153.2km s-min=25.5km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=11.1km az=135.4.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=14.5km az=170.0.
ISC II 03 20 37 34.5–2.6 30.9S–.20 179.8E–.40 426 11 7-145
IDC II 03 20 36 43.9–4.9 29.75S 178.74W 0 4.0,3.7 **¶15954971**
ISC Event type ke.
IDC Error ellipse: s-maj=231.2km s-min=77.2km az=166.0.
ISC II 04 14 15 14.6–1.2 28.6S–.30 178.8W–.20 300 3.9b 12 9-165
IDC II 04 14 15 16.9–2.3 28.23S 178.67W 337–21 3.9,3.8 **¶13434248**
ISC Event type ke.
IDC Error ellipse: s-maj=19.5km s-min=12.8km az=167.0.
ISC II 04 23 02 38.2–1.3 31.0S–.20 179.4W–.50 400 32 7-152
IDC II 04 23 01 47.8–2.6 31.10S 178.02W 0 4.2,3.9 **¶12699562**
ISC Event type ke.
IDC Error ellipse: s-maj=169.3km s-min=49.2km az=166.0.
ISC II 04 23 50 53.6–1.1 30.73S–.08 179.6W–.20 362 33 7-162
IDC II 04 23 50 48.2–4.4 30.00S 179.29W 308–35 3.1,3.0 **¶12699565**
ISC Event type ke.
IDC Error ellipse: s-maj=49.5km s-min=32.8km az=175.0.
IDC II 05 04 48 15.4–.99 28.69S 177.64W 0 4.2,4.0

¶13434273

IDC Error ellipse: s-maj=45.9km s-min=30.8km az=162.0.
ISC II 05 08 47 47.2–.38 27.51S–.06 176.33W–.07 34 5.0b,4.3s 271 2-166
IDC II 05 08 47 41.7–.56 27.35S 176.43W 0 4.8,4.8 **¶11667320**
ISCJB II 05 08 47 46.0–.20 27.47S–.06 176.44W–.05 34 4.9b,4.4s
MOS II 05 08 47 46.0–.79 27.35S 176.48W 33 5.1b,4.4s
BJI II 05 08 47 46.9 26.78S 176.18W 28 5.5b,5.1b
NEIC II 05 08 47 47.7–.21 27.42S 176.45W 38 5.0b,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=19.9km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.9km az=148.1.
MOS Error ellipse: s-maj=13.3km s-min=12.6km az=83.7.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=134.0.
ISC II 05 16 09 30.4–1.4 27.45S–.10 177.6W–.30 145 3.5b 21 11-146
IDC II 05 16 09 13.7–5.5 26.88S 177.14W 0 3.9,3.8 **¶13434301**
ISCJB II 05 16 09 31.0–1.5 27.39S–.06 177.6W–.20 145 3.4b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC II 05 16 34 42.8–1.2 27.37S 176.54W 0 4.1,3.8

¶13434303

IDC Error ellipse: s-maj=57.2km s-min=30.2km az=163.0.
ISC II 05 16 55 34.0–2.5 30.8S–.10 178.5E–.20 145 20 7-144
IDC II 05 16 54 58.7–7.3 30.62S 178.63W 0 3.5,3.4 **¶15955076**
ISC Event type ke.
IDC Error ellipse: s-maj=308.4km s-min=56.1km az=156.0.
IDC II 05 23 05 01.1–1.4 27.12S 176.41W 0 4.0s,4.0

¶12699630

IDC Error ellipse: s-maj=59.4km s-min=36.5km az=162.0.
ISC II 05 23 14 35.8–.53 27.43S–.05 176.41W–.08 46–3 5.0b,4.6s 359 2-166
IDC II 05 23 14 29.3–.56 27.26S 176.40W 0 4.8,4.8 **¶13434310**
ISCJB II 05 23 14 32.2–3.3 27.42S–.05 176.48W–.05 26–22 4.9b,4.5s
MOS II 05 23 14 34.6–1.2 27.29S 176.48W 47 4.9b,4.3s
NEIC II 05 23 14 36.6–.95 27.39S 176.45W 54–8 4.9b,4.3s
BJI II 05 23 14 39.5 26.47S 176.82W 52 5.5b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=17.3km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.8km az=43.9.
MOS Error ellipse: s-maj=12.1km s-min=10.8km az=109.5.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.1km az=140.0.
ISC II 06 06 40 33.8–.60 27.23S–.08 176.4W–.10 31 4.1b,3.9s 42 2-166
IDC II 06 06 40 29.3–.70 27.20S 176.46W 0 4.4,4.3 **¶11730076**
ISCJB II 06 06 40 32.7–.60 27.24S–.07 176.6W–.10 31 4.3b,3.9s
NEIC II 06 06 40 33.0–3.0 27.22S 176.39W 26–21 4.8b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=19.2km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=9.8km az=16.5.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=10.0km az=109.0.
ISC II 07 11 09 46.1–2.4 31.0S–.10 179.7E–.30 350 9 7-145
IDC II 07 11 08 59.8–5.6 31.28S 178.50W 0 3.9,3.7 **¶15955178**
ISC Event type ke.
IDC Error ellipse: s-maj=221.6km s-min=53.2km az=152.0.
ISC II 08 11 26 45.7–1.8 30.2S–.10 179.3W–.30 350 13 8-150
IDC II 08 11 26 04.9–4.8 28.41S 178.43W 0 3.9,3.7 **¶15955214**
ISC Event type ke.
IDC Error ellipse: s-maj=246.5km s-min=42.8km az=158.0.
ISC II 08 18 37 30.5–.66 28.7S–.10 177.4W–.10 54 4.2b,3.9s 39 1-164
IDC II 08 18 37 22.9–.74 28.76S 177.40W 0 4.4,4.2 **¶13434397**
ISCJB II 08 18 37 29.5–.68 28.65S–.08 177.6W–.10 54 4.2b,3.9s
NEIC II 08 18 37 31.2–1.4 28.78S 177.45W 63–12 4.6b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=20.8km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=9.4km az=29.2.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=14.0km az=169.0.
ISC II 09 14 29 41.8–2.0 30.5S–.20 180.0W–.40 200 9 8-145
IDC II 09 14 29 14.5–6.6 31.00S 179.04W 0 4.1s,4.1 **¶15955304**
ISC Event type ke.
IDC Error ellipse: s-maj=276.6km s-min=53.5km az=157.0.
ISC II 09 20 49 26.5–.45 27.54S–.08 176.41W–.08 34 4.5b,4.2s 86 2-166
IDC II 09 20 49 21.5–.60 27.33S 176.46W 0 4.6,4.6 **¶13434425**
NEIC II 09 20 49 24.3–2.8 27.48S 176.34W 21–19 4.8b,4.6
ISCJB II 09 20 49 25.6–.48 27.54S–.07 176.6W–.10 34 4.5b,4.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 11 02 36 47.8–1.4 30.60S 179.05W 0 4.1,4.0

¶11754778

IDC Error ellipse: s-maj=65.1km s-min=33.2km az=164.0.
ISC II 12 18 54 28.9–.32 31.21S–.03 177.84W–.03 31–1 5.6s,5.6b 1125 2-174
IDC II 12 18 54 24.4–.32 31.04S 177.91W 0 5.5,5.5 **¶13434559**
ISCJB II 12 18 54 27.5–.09 31.62S–.02 178.11W–.03 33 5.6b,5.6s
BJI II 12 18 54 27.2 30.72S 177.57W 29 6.0b,5.6s
NEIC II 12 18 54 28.2–1.6 31.23S 178.11W 24–10 5.8W,5.6b
BGS II 12 18 54 28.1 31.23S 178.11W 24 5.6b,5.6b
DJA II 12 18 54 29 30.95S 178.19W 10 5.7b,5.6b
MOS II 12 18 54 29.3–.97 31.00S 178.16W 33 5.8b,5.5s
ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=7.8km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=1.7km az=34.5.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.4km az=135.0.
MOS Error ellipse: s-maj=9.4km s-min=7.5km az=87.4.
ISC II 12 20 07 06.9–.57 31.20S–.07 177.9W–.10 27–3 4.8b 73 2-162
ISCJB II 12 20 07 05.8–.88 31.76S–.04 177.9W–.10 33 4.7b **¶12700375**
IDC II 12 20 07 07.2–.57 31.01S 177.94W 25–3 4.5,4.4
NEIC II 12 20 07 08.3–.54 30.99S 177.81W 35 4.9b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=4.9km az=13.1.
IDC Error ellipse: s-maj=20.4km s-min=17.7km az=159.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=10.2km az=132.0.
NEIC II 13 13 31 49.6–1.6 27.61S 174.78W 10 4.5b
IDC II 13 13 31 47.4–17 26.96S 174.68W 0 4.4,4.3 **¶12700517**
NEIC Event type se. Error ellipse: s-maj=57.5km s-min=17.1km az=205.0.
IDC Error ellipse: s-maj=314.8km s-min=135.9km az=86.0.
IDC II 18 02 27 28.6–2.0 31.63S 178.79W 0 3.9,3.7

¶15956531

IDC Error ellipse: s-maj=73.4km s-min=46.6km az=16.0.
ISC II 18 10 19 20.1–.42 27.91S–.05 178.86W–.08 351 4.6b 164 2-165
ISCJB II 18 10 19 19.0–.31 27.91S–.03 178.94W–.07 351 4.4b **¶11682851**
IDC II 18 10 19 21.6–2.4 27.61S 179.02W 359–23 4.1,4.1
NEIC II 18 10 19 22.8–.64 27.57S 178.99W 371–6 4.6b,4.1
BJI II 18 10 19 22.0 26.98S 178.92W 354 4.8b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=3.1km az=11.2.
IDC Error ellipse: s-maj=15.5km s-min=11.7km az=152.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.3km az=151.0.
ISC II 18 21 53 45.8–.29 27.39S–.03 176.24W–.03 28–1 7.2s,6.7b 2225 2-172
IDC II 18 21 53 41.3–.28 27.34S 176.36W 0 7.1,7.0 **¶14189641**
BJI II 18 21 53 42.2 26.94S 175.70W 18 7.4b,7.3s
BGS II 18 21 53 44.6–1.7 27.15S 176.50W 20 7.3s,7.3s
ISCJB II 18 21 53 44.1–.10 27.39S–.03 176.39W–.02 28 7.1s,6.6b
MOS II 18 21 53 45.2–.92 27.32S 176.38W 31 7.1s,6.8b
NEIC II 18 21 53 45.2–.10 27.42S 176.33W 25 7.5,7.2s
PDG II 18 21 54 05.9 27.30S 176.50W 60 7.5,7.2s
DJA II 18 21 54 24 27.86S 177.93W 319 6.7W,7.2s
ISC Event type fe.
IDC Error ellipse: s-maj=10.1km s-min=8.7km az=25.0.
BGS Error ellipse: s-maj=335.1km s-min=762.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.5km az=159.9.
MOS Error ellipse: s-maj=8.8km s-min=6.8km az=78.5. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s277.00000°,δ67.00000°,λ-177.00000°. NP2: ϕ_s186.00000°,δ87.00000°,λ-23.00000°. Principal axes: T Plg14.0000°,Azm234.0000° ; N Plg67.0000°,Azm360.0000°; P Plg18.0000°,Azm139.0000°
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.4km az=150.0. Felt at Wellington, New Zealand. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ85.00000°,λ25.00000°. NP2:ϕ_s278.00000°,δ65.00000°,λ174.00000°. Principal axes: T Plg21.0000°,Azm237.0000°; N Plg0.0000°,Azm0.0000°; P Plg14.0000° ,Azm141.0000° Moment Tensor Solution. s51 Moment tensor: Scale 10^{19}Nm; M_{rr}0.59 $M_{\theta\theta}$-1.96 $M_{\phi\phi}$1.37 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.89 $M_{\phi r}$1.97 Best double couple: NP1:ϕ_s293.00000° ,δ49.00000°,λ164.00000°. NP2:ϕ_s34.00000°,δ78.00000°,λ42.00000°. Principal axes: T 3.0400,Plg37.0000°,Azm262.0000°; N -0.6200,Plg46.0000°,Azm46.0000° ; P -2.4300,Plg18.0000°,Azm157.0000° $M_0$2.80000×10^{19} Moment Tensor Solution. $M_0$5.00000×10^{19}
PDG Event type ke.
ISC II 18 22 58 51.3–2.0 31.53S–.10 180.0W–.30 355 3.2b 23 6-152
IDC II 18 22 59 21.5–20 31.46S 178.45E 636–197 2.9,2.9 **¶15956598**
ISC Event type ke.
IDC Error ellipse: s-maj=180.8km s-min=77.4km az=106.0.
ISC II 19 01 18 33.9–.85 31.21S–.08 179.9E–.10 426 3.9b 68 6-159
ISCJB II 19 01 18 34.0–.91 31.23S–.06 179.7E–.20 426 3.8b **¶12701196**
IDC II 19 01 18 39.4–5.1 30.92S 179.65E 480–51 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=6.9km az=170.5.
IDC Error ellipse: s-maj=33.3km s-min=24.3km az=59.0.
IDC II 19 09 35 10.3–1.2 27.09S 176.32W 0 4.2,4.0b

¶15956699

IDC Error ellipse: s-maj=37.0km s-min=30.3km az=44.0.
ISC II 20 02 59 20.3–.83 27.3S–.10 176.4W–.20 34 4.0b 24 2-166
IDC II 20 02 59 15.0–1.2 27.26S 176.38W 0 4.0,3.9 **¶13434889**
ISCJB II 20 02 59 18.8–1.1 27.2S–.10 176.4W–.20 34 4.1b,3.9
NEIC II 20 02 59 21.8–2.8 27.38S 176.39W 48–22 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=58.4km s-min=29.1km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=16.7km az=23.4.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=16.9km az=203.0.
IDC II 20 18 50 02.8–12 30.35S 178.99E 539–101 3.1,3.0

¶15956829

IDC Error ellipse: s-maj=140.5km s-min=58.9km az=136.0.
ISC II 24 08 40 19.4–.43 31.13S–.06 176.77W–.08 35 4.8b,4.3s 128 2-162
IDC II 24 08 40 15.0–.56 30.83S 176.85W 0 4.7,4.7 **¶11728574**
ISCJB II 24 08 40 17.8–.34 31.38S–.04 176.81W–.09 33 4.7b,4.2s
BJI II 24 08 40 19.4 31.13S 177.06W 41 5.3b,5.2b
NEIC II 24 08 40 20.0–.32 31.04S 176.96W 35 4.8b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=16.3km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=4.1km az=26.5.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.6km az=125.0.
IDC II 24 15 28 19.7–1.7 27.47S 176.33W 0 4.1,4.0b

¶11938306

IDC Error ellipse: s-maj=62.6km s-min=38.6km az=1.0.
IDC II 25 05 42 55.4–1.0 27.37S 176.32W 0 4.2,4.0

¶13435074

IDC Error ellipse: s-maj=54.5km s-min=22.8km az=156.0.
IDC II 25 06 38 21.4–.98 27.01S 176.47W 0 4.2,4.0

¶15957238

IDC Error ellipse: s-maj=31.1km s-min=26.6km az=21.0.
IDC II 25 13 46 38.2–13 27.34S 176.34W 75–120 4.0,3.9

¶13435085

IDC Error ellipse: s-maj=33.1km s-min=24.5km az=43.0.
ISC II 27 18 56 41.5–1.1 27.2S–.10 175.9W–.20 31 4.2b 24 3-166
NEIC II 27 18 56 33.8–.93 27.35S 175.36W 10 4.7b **¶13435165**
IDC II 27 18 56 37.5–1.4 27.04S 176.14W 0 4.3,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=14.2km az=166.0.
IDC Error ellipse: s-maj=39.3km s-min=29.4km az=43.0.
ISC II 27 19 08 37.1–.64 27.10S–.09 176.1W–.10 31 4.2b,4.0s 41 3-166
NEIC II 27 19 08 32.4–6.1 27.12S 176.14W 1–36 5.1b,4.0s **¶13435166**
IDC II 27 19 08 32.8–.81 27.04S 176.24W 0 4.2,4.2
ISCJB II 27 19 08 35.7–.75 27.03S–.07 176.2W–.10 31 4.3b,4.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 01 07 46 57.6–41 29.61S 179.23W 0 4.0,3.8b

¶12702169

IDC Error ellipse: s-maj=749.0km s-min=172.8km az=96.0.
ISC III 01 08 17 37.1–.34 27.39S–.05 176.17W–.05 48–2 5.3b,4.6s 576 2-175
IDC III 01 08 17 30.3–.40 27.27S 176.27W 0 5.1,5.1 **¶13435257**
SZGRF III 01 08 17 32.7 28.09S 177.23W 31 5.1,5.1

MOS III 01 08 17 34.8–.93 27.24S 176.39W 33 5.5b,4.6s
BJI III 01 08 17 35.0 26.99S 175.26W 51 5.4b,5.2b
ISCJB III 01 08 17 36.8–1.3 27.37S–.05 176.36W–.05 53–11 5.3b,4.6s
GCMT III 01 08 17 38.1–.20 27.33S 175.85W 42–1 5.3W,4.6s
NEIC III 01 08 17 39.3–.83 27.36S 176.35W 67–7 5.4b,4.6s
BGS III 01 08 17 44.7–2.7 27.36S 176.35W 67 5.4b,4.6s
DJA III 01 08 17 59.8–5.9 27S–21 177W–23 236–60 5.5b,5.1b
ISC Event type se.
SZGRF Kermadec Islands region.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c115; s93,c160; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s243.00000°,δ41.00000°,λ157.00000°. NP2:ϕ_s350.00000°,δ75.00000°,λ51.00000°. Principal axes: T 1.1000,Plg45.0000°,Azm221.0000°; N -0.0200,Plg37.0000°,Azm2.0000°; P -1.0900,Plg20.0000°,Azm109.0000° $M_0$1.10000×10^{17}
NEIC Event type se.
IDC III 02 22 06 01.7–1.6 27.24S 176.34W 0 3.9,3.7 ¶12702303
IDC Error ellipse: s-maj=65.3km s-min=41.3km az=168.0.
IDC III 03 12 57 40.6–1.4 31.40S 177.87W 0 4.4,4.3 ¶12702349
IDC Error ellipse: s-maj=58.1km s-min=32.7km az=180.0.
IDC III 05 07 20 46.2–2.2 31.44S 179.54E 465–21 3.7,3.6 ¶12702479
IDC Error ellipse: s-maj=29.3km s-min=13.5km az=156.0.
IDC III 05 11 59 34.4–4.0 31.06S 177.18W 0 4.2,4.1b ¶12702492
IDC Error ellipse: s-maj=148.3km s-min=46.7km az=154.0.
IDC III 06 15 43 12.6–8.2 29.60S 175.20W 0 3.5,3.5 ¶12702571
IDC Error ellipse: s-maj=346.9km s-min=61.3km az=153.0.
ISC III 11 03 12 12.2–.58 31.51S–.10 176.8W–.10 35 4.3b 67 8-167
AUST III 11 03 11 38.4 30.51S 169.60W 200 4.3b **¶13435957**
IDC III 11 03 12 06.9–.93 31.40S 176.82W 0 4.4,4.3b
ISCJB III 11 03 12 10.6–.55 31.62S–.08 176.91W–.10 33 4.2b,3.7s
NEIC III 11 03 12 11.7–3.8 31.51S 176.86W 32–25 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=20.0km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=8.2km az=38.2.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.1km az=224.0.
IDC III 15 03 04 40.6–7.3 28.08S 177.93W 0 3.8,3.6b ¶12703316
IDC Error ellipse: s-maj=404.2km s-min=100.5km az=164.0.
IDC III 15 12 41 50.6–11 30.96S 179.06W 221–122 2.9,2.8 ¶12703350
IDC Error ellipse: s-maj=110.2km s-min=48.3km az=1.0.
ISC III 17 01 52 12.8–.96 31.87S–.09 178.5W–.20 45 4.5b 36 7-161
IDC III 17 01 52 05.5–.97 31.57S 178.31W 0 4.5,4.4b **¶12703476**
NEIC III 17 01 52 11.0–.66 31.71S 178.39W 35 4.7b,4.4b
ISCJB III 17 01 52 15.8–1.3 31.94S–.07 179.4W–.20 33 5.1s,4.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 17 10 04 23.4–1.3 27.07S 176.17W 0 4.3,4.2 ¶12703508
IDC Error ellipse: s-maj=43.8km s-min=27.6km az=142.0.
IDC III 17 19 08 45.1–16 28.66S 178.85E 0 4.5L,4.0 ¶12703530
IDC Error ellipse: s-maj=303.2km s-min=46.4km az=66.0.
IDC III 19 00 09 38.0–7.9 28.90S 178.91W 408–72 3.7,3.6b
AUST III 19 00 09 52.5 26.22S 178.92E 450 3.7,3.6b **¶12703625**
IDC Error ellipse: s-maj=52.6km s-min=15.7km az=54.0.
IDC III 19 02 52 17.3–7.9 30.86S 179.91E 370–82 3.0,2.9 ¶12703636
IDC Error ellipse: s-maj=86.5km s-min=44.4km az=11.0.
IDC III 19 22 18 16.6–4.5 30.02S 179.12W 0 3.9,3.7b ¶12703738
IDC Error ellipse: s-maj=198.1km s-min=69.2km az=161.0.
IDC III 25 08 00 02.3–3.5 28.35S 178.35W 185–32 3.9,3.7 ¶12635534
IDC Error ellipse: s-maj=27.1km s-min=21.5km az=141.0.
ISC III 25 13 40 53.0–.43 27.12S–.07 176.16W–.08 31 4.5b,3.9s 86 3-166
IDC III 25 13 40 48.7–.55 27.12S 176.32W 0 4.6,4.6 **¶15153417**
ISCJB III 25 13 40 51.7–.42 27.07S–.06 176.28W–.08 31 4.5b,3.9s
AUST III 25 13 40 52.5 27.18S 174.79W 100 4.5b,3.9s
NEIC III 25 13 40 52.8–2.6 27.09S 176.30W 26–17 4.9b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=17.0km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.3km az=40.8.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.7km az=109.0.
IDC III 25 18 55 56.1–8.0 31.57S 179.99E 348–91 3.0,2.9 ¶12635584
IDC Error ellipse: s-maj=98.5km s-min=37.8km az=179.0.
IDC III 25 23 33 16.5–7.5 31.39S 179.88E 455–93 3.3,3.1b ¶12635598
IDC Error ellipse: s-maj=96.6km s-min=34.2km az=5.0.
IDC III 26 12 13 10.5–2.9 28.88S 179.65W 439–28 3.4,3.3b ¶12635637
IDC Error ellipse: s-maj=26.6km s-min=17.2km az=14.0.
IDC III 27 17 12 42.5–3.4 31.27S 176.67W 0 3.7,3.5 ¶12635709
IDC Error ellipse: s-maj=81.1km s-min=37.8km az=118.0.
IDC III 27 19 36 50.1–5.2 31.51S 179.83W 275–44 3.9,3.7 ¶12635717
IDC Error ellipse: s-maj=44.0km s-min=18.9km az=36.0.
ISC III 28 07 09 03.6–.78 31.4S–.10 178.2W–.20 35 4.5b 39 8-162
IDC III 28 07 08 58.3–.82 30.99S 178.11W 0 4.7,4.5 **¶12635753**
ISCJB III 28 07 09 01.4–1.3 31.47S–.10 178.1W–.20 35 4.5b,3.8s
NEIC III 28 07 09 03.3–.80 31.07S 178.04W 35 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=23.6km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=12.1km az=16.5.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=15.7km az=136.0.
IDC III 30 16 18 18.3–5.9 29.48S 179.99W 256–49 3.5,3.5 ¶12635959
IDC Error ellipse: s-maj=60.8km s-min=39.4km az=42.0.
IDC IV 01 22 48 57.1–33 29.71S 179.49W 520–321 3.4,3.2 ¶13437777
IDC Error ellipse: s-maj=200.3km s-min=94.1km az=92.0.
IDC IV 02 19 01 46.3–3.2 31.41S 176.66W 0 4.0,3.9 ¶16152279
IDC Error ellipse: s-maj=69.4km s-min=37.1km az=118.0.
ISC IV 03 14 37 54.2–.24 31.53S–.04 178.43W–.05 61 5.2b 662 2-172
MOS IV 03 14 37 50.8–.98 31.34S 178.59W 33 5.6b **¶15153535**
AUST IV 03 14 37 51.2 31.46S 177.68W 60 5.6b
ISCJB IV 03 14 37 53.2–.12 31.65S–.03 178.57W–.04 61 5.2b
NEIC IV 03 14 37 53.8–.93 31.40S 178.56W 55–7 5.3b
GCMT IV 03 14 37 55.9–.40 31.43S 178.16W 64–1 5.0W
IDC IV 03 14 37 58.1–2.4 31.19S 178.51W 88–20 4.8,4.8
DJA IV 03 14 38 13.4–2.6 31S–8.0 178W–13 313–26 5.7b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s35,c48; s58,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}4.21±.21 $M_{\theta\theta}$-0.07±.20; $M_{\phi\phi}$-4.14±.17; $M_{r\theta}$-0.47±.14; $M_{\theta\phi}$-1.93±.14; $M_{\phi r}$0.58±.13; Best double couple: NP1:ϕ_s212.00000°,δ44.00000°,λ105.00000°. NP2:ϕ_s12.00000°,δ48.00000°,λ76.00000°. Principal axes: T 4.3400,Plg80.0000°,Azm214.0000°; N 0.5800,Plg10.0000°,Azm21.0000°; P -4.9300,Plg2.0000°,Azm111.0000° $M_0$4.60000×10^{16}
ISC IV 03 19 54 27.3–.49 27.45S–.06 176.30W–.08 60–3 4.8b,4.3s 226 2-166
IDC IV 03 19 54 19.3–.53 27.32S 176.27W 0 4.5,4.5 **¶12088177**
MOS IV 03 19 54 23.2–1.8 27.34S 176.35W 33 5.1b,4.5
ISCJB IV 03 19 54 25.3–.29 27.42S–.05 176.39W–.07 54 4.8b,4.3s
BJI IV 03 19 54 26.6 26.87S 176.15W 54 5.5b,5.1s
NEIC IV 03 19 54 27.2–1.3 27.42S 176.37W 63–11 4.9b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=14.8km az=149.0.
MOS Error ellipse: s-maj=12.3km s-min=10.8km az=95.9.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.2km az=20.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.2km az=111.0.
IDC IV 03 23 35 10.4–5.9 28.79S 177.70W 170–52 3.8,3.7 ¶13437890
IDC Error ellipse: s-maj=22.6km s-min=18.2km az=7.0.
ISC IV 05 12 57 46.4–1.8 29.4S–.10 176.8W–.30 21 3.9b 10 10-148
IDC IV 05 12 57 43.2–1.9 29.23S 176.79W 0 4.0,4.0 **¶16152414**
ISC Event type ke.
IDC Error ellipse: s-maj=49.7km s-min=31.6km az=134.0.
ISC IV 06 10 32 57.6–1.4 31.67S–.09 179.7E–.20 451 3.6b 49 6-161
IDC IV 06 10 32 50.7–5.0 30.96S 179.97E 385–45 3.5,3.4 **¶16152453**
ISCJB IV 06 10 32 54.8–1.1 31.56S–.06 179.9E–.20 451 3.6b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC IV 07 21 58 32.3–.67 27.41S–.10 178.9W–.10 400 3.8b 35 11-150
AUST IV 07 21 58 27.8 27.45S 177.58W 450 3.8b **¶13438143**
ISCJB IV 07 21 58 31.8–.52 27.33S–.07 179.08W–.09 400 3.8b
IDC IV 07 21 58 31.9–2.4 27.08S 179.12W 390–24 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=9.5km az=2.1.
IDC Error ellipse: s-maj=23.0km s-min=12.5km az=160.0.
ISC IV 11 04 00 26.2–2.0 28.2S–.10 178.8W–.30 351 2.7b 12 11-165
IDC IV 11 04 00 26.6–10 28.12S 178.93W 341–81 3.2,3.1 **¶16152650**
ISC Event type ke.
IDC Error ellipse: s-maj=102.5km s-min=24.1km az=45.0.
ISC IV 14 10 41 36.7–.76 31.50S–.10 176.7W–.10 35 4.0s,4.0b 32 7-162
IDC IV 14 10 41 32.2–.94 31.32S 176.73W 0 4.2,4.0 **¶12840193**
ISCJB IV 14 10 41 33.1–1.0 31.61S–.07 176.6W–.20 33 4.0s,3.9b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 16 08 14 54.0–1.3 30.06S–.09 179.6W–.30 300 41 8-150
IDC IV 16 08 14 54.5–6.5 30.14S 179.07W 333–68 3.3,3.1 **¶12935375**
ISC Event type ke.
IDC Error ellipse: s-maj=73.4km s-min=33.0km az=170.0.
ISC IV 18 02 03 52.2–.20 28.87S–.04 177.30W–.03 64–1 5.9b 2137 1-173
IDC IV 18 02 03 48.1–1.7 28.76S 177.42W 26–10 5.5,5.5 **¶15153788**
MOS IV 18 02 03 48.2–.78 28.76S 177.45W 33 6.1b,5.3s
AUST IV 18 02 03 50.2 28.88S 176.84W 60 6.1b,5.3s
BJI IV 18 02 03 51.3 28.53S 176.83W 69 5.9b,5.6b
ISCJB IV 18 02 03 51.2–.10 28.99S–.03 177.51W–.02 64 5.8b,5.6b
NEIC IV 18 02 03 52.5–.09 28.92S 177.45W 65 6.0b,5.8W
GCMT IV 18 02 03 53.1–.10 28.96S 177.04W 51–0 5.7W,5.8W
DJA IV 18 02 04 25.2–1.6 29S–7.0 179W–7.0 322–15 5.8b,5.5b
SZGRF IV 18 02 23 48.7 29.50S 176.50W 64 5.8b,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=11.7km s-min=9.5km az=22.0.
MOS Error ellipse: s-maj=8.8km s-min=7.4km az=72.6.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.4km az=159.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.0km az=147.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=101, comp=183, per= 50. Moment Tensor Solution. s96,c197; s56,c64; Moment tensor: Scale 10^{17}Nm; M_{rr}4.85±.05 $M_{\theta\theta}$-1.85±.05; $M_{\phi\phi}$-3.00±.04; $M_{r\theta}$-0.92±.04; $M_{\theta\phi}$-2.32±.03; $M_{\phi r}$0.32±.04; Best double couple: NP1:ϕ_s28.00000°,δ44.00000°,λ75.00000°. NP2:ϕ_s228.00000°,δ48.00000°,λ104.00000°. Principal axes: T 5.0300,Plg80.0000°,Azm208.0000°; N -0.2000,Plg10.0000°,Azm39.0000°; P -4.8300,Plg2.0000°,Azm308.0000° $M_0$4.90000×10^{17}
SZGRF Kermadec Islands region.
IDC IV 18 05 07 33.0–2.0 31.10S 178.94W 0 4.3,4.2b ¶16152968
IDC Error ellipse: s-maj=50.4km s-min=29.8km az=54.0.
IDC IV 19 06 44 36.3–3.0 31.71S 177.84W 0 3.9,3.7 ¶16153030
IDC Error ellipse: s-maj=70.9km s-min=36.4km az=116.0.
IDC IV 20 06 04 50.3–5.7 30.69S 179.38W 0 4.0,3.8 ¶16153120
IDC Error ellipse: s-maj=216.4km s-min=54.2km az=152.0.
ISC IV 21 06 00 09.9–.46 31.31S–.06 177.62W–.09 26 4.6b 91 2-162
IDC IV 21 06 00 05.9–.53 31.35S 177.71W 0 4.6,4.6 **¶15153879**
AUST IV 21 06 00 06.1–1.2 31.54S 176.60W 50–0 4.6,4.6
ISCJB IV 21 06 00 08.6–.52 31.44S–.05 177.73W–.09 26 4.6b,4.5s
NEIC IV 21 06 00 12.6–1.2 31.33S 177.72W 46–10 5.1b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=16.5km az=112.0.
AUST Error ellipse: s-maj=2.1km s-min=1.4km az=292.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.9km az=17.2.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.2km az=132.0.
IDC IV 23 23 03 34.1–1.1 31.44S 177.72W 0 4.5,4.5L ¶12842938
IDC Error ellipse: s-maj=30.6km s-min=22.7km az=85.0.
IDC IV 23 23 30 52.2–1.1 31.46S 177.73W 0 4.4,4.3L ¶16153317
IDC Error ellipse: s-maj=35.5km s-min=26.5km az=113.0.
ISC IV 24 05 37 35.4–.57 31.65S–.04 177.50W–.06 13–3 5.1b,4.8s 311 2-163
IDC IV 24 05 37 33.8–.47 31.34S 177.51W 0 4.8L,4.8 **¶15153929**
BJI IV 24 05 37 34.3 31.05S 177.03W 12 5.6b,5.3s
ISCJB IV 24 05 37 34.2–.21 31.83S–.04 177.52W–.05 12 5.0b,4.7s
NEIC IV 24 05 37 35.1–.32 31.67S 177.61W 10 5.2b,4.7s
GCMT IV 24 05 37 37.9–.20 31.44S 177.13W 12 5.1W,4.7s
MOS IV 24 05 37 37.9–1.7 31.41S 177.64W 33 5.2b,5.0s
AUST IV 24 05 38 09.6–6.3 32.26S 178.19W 292–0 5.2b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=15.1km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.0km az=41.8.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.5km az=129.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s36,c45; s87,c134; Moment tensor: Scale 10^{16}Nm; M_{rr}4.45±.11 $M_{\theta\theta}$0.09±.12; $M_{\phi\phi}$-4.54±.09; $M_{r\theta}$-0.50±.44; $M_{\theta\phi}$0.03±.09; $M_{\phi r}$4.80±.32; Best double couple: NP1:ϕ_s184.00000°,δ22.00000°,λ98.00000°. NP2:ϕ_s356.00000°,δ69.00000°,λ87.00000°. Principal axes: T 6.5600,Plg66.0000°,Azm260.0000°; N 0.0700,Plg3.0000°,Azm357.0000°; P -6.6300,Plg23.0000°,Azm88.0000° $M_0$6.60000×10^{16}
MOS Error ellipse: s-maj=13.1km s-min=9.7km az=94.0.
AUST Error ellipse: s-maj=2.2km s-min=1.4km az=40.0.
ISC IV 25 19 58 49.9–.39 27.96S–.07 178.3W–.10 200 4.3b 137 1-167
IDC IV 25 19 58 50.9–.70 27.93S 178.30W 209–7 4.1,4.0 **¶13439094**
NEIC IV 25 19 58 51.7–.76 28.06S 178.31W 220–6 4.4b,4.0
BGS IV 25 19 58 57.6–2.6 28.06S 178.31W 220 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=13.6km az=126.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.5km az=125.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC IV 28 05 22 39.7–1.7 31.83S 177.89W 0 4.3,4.2 ¶16154583
IDC Error ellipse: s-maj=43.3km s-min=38.8km az=7.0.
ISC IV 28 07 29 55.2–.38 27.81S–.07 177.82W–.07 180 4.3b 106 1-165
NEIC IV 28 07 29 54.9–.82 27.71S 178.03W 167–7 4.5b **¶12936364**
IDC IV 28 07 29 54.1–1.0 27.72S 178.06W 158–10 4.1,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.8km az=95.0.
IDC Error ellipse: s-maj=17.8km s-min=16.0km az=117.0.
ISC V 01 03 51 56.0–3.5 31.3S–.60 178.8W–1.0 35 4.5b 7 8-162
IDC V 01 03 51 49.1–3.0 31.00S 178.41W 0 4.6,4.5b **¶16154685**
ISC Event type ke.
IDC Error ellipse: s-maj=73.9km s-min=30.3km az=44.0.

ISC V 01 11 19 40.8–2.1 31.69S–.09 179.4W–.30 35 4.2b 18 3-58
IDC V 01 11 19 35.0–2.8 31.54S 179.29W 0 4.1,4.0 **¶16154703**
ISC Event type ke.
IDC Error ellipse: s-maj=58.8km s-min=26.6km az=56.0.
ISC V 04 07 50 23.9–.63 31.19S–.08 179.7E–.10 450 3.8b 60 3-162
ISCJB V 04 07 50 22.8–.50 31.20S–.05 179.8E–.10 450 3.8b **¶16154891**
IDC V 04 07 50 23.4–.75 31.19S 179.75E 436–8 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=5.9km az=13.1.
IDC Error ellipse: s-maj=21.9km s-min=10.2km az=129.0.
ISC V 05 07 35 06.8–.73 31.74S–.07 179.6E–.10 451 3.8b 76 3-151
IDC V 05 07 35 06.5–1.6 31.69S 179.61E 445–17 3.6,3.5 **¶13439339**
ISCJB V 05 07 35 06.6–.51 31.73S–.04 179.4E–.10 451 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC V 08 21 20 00.8–1.7 31.1S–.10 178.2W–.30 87 4.2b 13 2-152
IDC V 08 21 19 60.0–9.9 30.65S 178.35W 70–91 4.0,3.8 **¶16155527**
ISCJB V 08 21 19 59.7–1.8 31.12S–.10 178.3W–.30 87 4.1b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC V 09 23 07 02.8–.76 31.04S–.07 176.9W–.10 35 4.2b 26 2-162
IDC V 09 23 06 58.4–.70 30.73S 176.68W 0 4.5,4.3 **¶16155560**
ISCJB V 09 23 07 00.4–.76 31.11S–.04 177.0W–.10 33 4.2b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC V 10 06 12 16.8–.78 30.71S 176.71W 0 4.4,4.2
¶12952790
IDC Error ellipse: s-maj=23.9km s-min=21.2km az=178.0.
IDC V 10 07 14 56.8–.69 30.79S 176.62W 0 4.5,4.3
¶12952791
IDC Error ellipse: s-maj=21.7km s-min=19.5km az=13.0.
IDC V 10 07 18 17.2–.88 30.75S 176.49W 0 4.3,4.1
¶12952792
IDC Error ellipse: s-maj=26.6km s-min=21.2km az=35.0.
IDC V 10 08 02 03.9–.94 30.76S 176.61W 0 4.2,4.1b
¶16155576
IDC Error ellipse: s-maj=26.2km s-min=21.1km az=38.0.
IDC V 10 08 56 14.0–3.0 30.74S 176.71W 0 3.6,3.5
¶16155580
IDC Error ellipse: s-maj=60.6km s-min=35.3km az=76.0.
ISC V 10 10 13 14.6–1.1 30.42S–.10 179.7W–.20 321 3.5b 47 2-163
IDC V 10 10 13 14.6–1.3 30.34S 179.58W 327–14 3.3,3.3 **¶16155584**
ISCJB V 10 10 13 14.2–.83 30.31S–.06 179.9W–.20 321 3.2b,3.3
ISC Event type ke.
ISCJB Event type ke.
IDC V 11 07 21 00.8–1.8 30.85S 176.84W 0 3.9,3.8
¶16155627
IDC Error ellipse: s-maj=41.6km s-min=21.9km az=72.0.
ISC V 11 07 51 13.5–.56 30.99S–.06 176.87W–.10 35 4.2b,3.7s 58 2-162
IDC V 11 07 51 08.0–.63 30.82S 176.62W 0 4.4,4.2 **¶13439497**
ISCJB V 11 07 51 11.6–.51 31.05S–.04 177.01W–.09 33 4.2b,3.8s
NEIC V 11 07 51 13.4–.40 30.84S 176.84W 35 4.3b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=16.6km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=5.3km az=14.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=10.0km az=104.0.
ISC V 11 08 47 46.3–.85 30.95S–.07 176.8W–.10 35 4.3b 19 2-162
IDC V 11 08 47 41.8–.90 30.76S 176.63W 0 4.6,4.3b **¶13439500**
ISCJB V 11 08 47 44.3–.72 31.05S–.04 176.8W–.10 33 4.2b,3.8s
ISC Event type ke.
ISCJB Event type ke.
ISC V 11 10 21 48.9–.73 31.00S–.06 176.8W–.10 35 4.3b,3.8s 40 2-162
IDC V 11 10 21 44.0–.79 30.87S 176.65W 0 4.5,4.2 **¶13439502**
ISCJB V 11 10 21 46.9–.81 31.12S–.04 176.8W–.10 33 4.3b,3.8s
NEIC V 11 10 21 49.4–.61 30.86S 176.75W 35 4.3b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=21.1km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=5.6km az=11.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=13.8km az=136.0.
IDC V 11 16 03 55.3–1.3 30.97S 176.72W 0 4.1,3.9
¶16155638
IDC Error ellipse: s-maj=28.5km s-min=24.1km az=100.0.
ISC V 11 18 16 36.0–2.7 31.6S–.20 176.5W–.40 35 3.9b 15 3-147
IDC V 11 18 16 33.9–3.3 31.22S 176.90W 0 4.0,3.8 **¶16155645**
ISC Event type ke.
IDC Error ellipse: s-maj=80.5km s-min=45.0km az=125.0.
ISC V 14 20 44 00.1–.74 31.66S–.07 179.8W–.10 350 4.0b 33 3-162
ISCJB V 14 20 44 00.4–.79 31.57S–.04 180.0W–.10 350 3.9b **¶13439593**
IDC V 14 20 44 01.2–1.4 31.38S 179.89W 354–13 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=6.1km az=1.1.
IDC Error ellipse: s-maj=17.8km s-min=16.7km az=87.0.
ISC V 15 09 37 15.6–2.3 30.4S–.10 179.7W–.30 350 11 8-145
ISCJB V 15 09 37 14.3–2.5 30.26S–.09 179.6W–.40 350 2.9b **¶16155766**
IDC V 15 09 37 15.8–9.2 30.39S 179.43W 366–94 3.2,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=42.4km s-min=11.8km az=178.8.
IDC Error ellipse: s-maj=95.6km s-min=48.2km az=15.0.
IDC V 15 09 38 37.0–4.9 30.45S 176.98W 0 4.0,3.7
¶16155767
IDC Error ellipse: s-maj=257.9km s-min=34.6km az=160.0.
IDC V 15 21 51 28.8–8.8 29.97S 179.43W 372–90 3.4,3.3
¶16155780
IDC Error ellipse: s-maj=88.8km s-min=45.1km az=11.0.
ISC V 16 00 53 50.5–.40 31.46S–.03 178.55W–.03 35–2 6.3s,6.1b 1979 2-175
PDG V 16 00 53 44.6 31.50S 178.80W 10 6.3s,6.1b **¶15741854**
BJI V 16 00 53 45.1 30.98S 178.19W 9 6.7b,6.3s
SZGRF V 16 00 53 46.0 32.71S 178.23W 33 6.8b,6.3s
ISCJB V 16 00 53 50.3–.10 31.59S–.02 178.74W–.03 43 6.2s,6.0b
MOS V 16 00 53 50.1–.95 31.36S 178.63W 33 6.3s,6.3b
AUST V 16 00 53 50.6–.81 31.45S 178.28W 31–0 6.3s,6.3b
NEIC V 16 00 53 51.2–.08 31.55S 178.83W 43 6.6W,6.5W
IDC V 16 00 53 53.3–1.0 31.40S 178.57W 55–8 6.3s,6.3
DJA V 16 00 53 55.6–2.2 31S–7.0 178W–11 107–20 6.6b,6.5
GCMT V 16 00 53 57.7–.10 31.56S 178.12W 48–0 6.5W,6.5
ISC Event type fe.
PDG Event type ke.
SZGRF South of Kermadec Islands.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.2km az=34.3.
MOS Error ellipse: s-maj=9.2km s-min=6.9km az=67.7.
AUST Error ellipse: s-maj=0.9km s-min=0.6km az=311.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=134.0. Felt at Gisborne, Rotorua and Wellington, New Zealand. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s35.00000°,δ55.00000°,λ100.00000°. NP2: ϕ_s198.00000°,δ36.00000°,λ76.00000°. Principal axes: T Plg77.0000°,Azm339.0000° ; N Plg0.0000°,Azm0.0000°; P Plg9.0000°,Azm118.0000° Moment Tensor Solution. s98 Moment tensor: Scale 10^{18}Nm; M_{rr}3.38 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$-1.43 $M_{r\theta}$0.68 $M_{\theta\phi}$0.05 $M_{\phi r}$2.58 Best double couple: NP1:ϕ_s19.00000°,δ69.00000°,λ87.00000°. NP2:ϕ_s207.00000° ,δ21.00000°,λ98.00000°. Principal axes: T 4.5600,Plg66.0000°,Azm283.0000° ; N -1.9300,Plg2.0000°,Azm20.0000°; P -2.6300,Plg23.0000°,Azm111.0000° M_o4.00000×10^{18} Moment Tensor Solution. M_o1.10000×10^{19}
IDC Error ellipse: s-maj=11.0km s-min=9.6km az=53.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 107 sta. Surface waves: sta=118, comp=278, per= 50. Moment Tensor Solution. s123,c313; s99,c215; Moment tensor: Scale 10^{18}Nm; M_{rr}6.10±.04 $M_{\theta\theta}$0.20±.03; $M_{\phi\phi}$-6.31±.03; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-1.99±.02; $M_{\phi r}$3.08±.03; Best double couple: NP1:ϕ_s199.00000°,δ32.00000°,λ95.00000°. NP2:ϕ_s13.00000°,δ58.00000°,λ87.00000°. Principal axes: T 6.8200,Plg77.0000° ,Azm272.0000°; N 0.7500,Plg3.0000°,Azm15.0000°; P -7.5800,Plg13.0000°,Azm105.0000° M_o7.20000×10^{18}
IDC V 16 01 02 34.6–1.6 31.63S 177.90W 0 4.7,4.6
¶16155788
IDC Error ellipse: s-maj=55.0km s-min=40.9km az=142.0.
ISC V 16 01 05 58.1–.50 31.58S–.06 177.9W–.10 35 4.9b 110 2-162
IDC V 16 01 05 52.8–.53 31.45S 177.94W 0 4.9,4.9L **¶15154339**
ISCJB V 16 01 05 55.1–1.0 31.76S–.05 177.8W–.20 33 4.8b,4.9L
NEIC V 16 01 05 59.8–1.2 31.39S 177.98W 50–9 5.2b,4.9L
AUST V 16 01 06 28.6–7.8 32.55S 179.99W 186–1 5.2b,4.9L
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=18.8km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=6.6km az=10.7.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.4km az=123.0.
AUST Error ellipse: s-maj=5.5km s-min=2.6km az=251.0.
IDC V 16 06 31 08.7–3.1 31.55S 177.98W 0 4.0,3.8
¶16155797
IDC Error ellipse: s-maj=72.7km s-min=36.8km az=113.0.
IDC V 16 06 55 26.4–2.4 31.40S 178.99W 0 4.1,3.9
¶16155799
IDC Error ellipse: s-maj=63.9km s-min=27.9km az=127.0.
IDC V 16 09 02 12.8–2.0 31.45S 177.99W 0 4.3,4.2
¶16155801
IDC Error ellipse: s-maj=43.7km s-min=40.3km az=35.0.
ISC V 16 09 03 23.2–.59 31.33S–.07 178.0W–.10 46 4.8b,3.9s 61 2-162
IDC V 16 09 03 16.4–.79 31.22S 177.98W 0 4.5,4.4b **¶15154350**
ISCJB V 16 09 03 18.8–.99 31.83S–.04 177.9W–.20 33 4.7b,3.7s
NEIC V 16 09 03 24.4–1.1 31.21S 178.10W 56–9 4.9b,3.7s
AUST V 16 09 03 47.3 32.59S 179.32W 200 4.9b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=21.1km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=5.6km az=6.7.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.2km az=115.0.
ISC V 16 13 02 39.9–.47 31.45S–.06 177.6W–.10 26 4.7b,4.2s 91 2-162
IDC V 16 13 02 36.5–.61 31.43S 177.68W 0 4.8,4.6 **¶13439633**
ISCJB V 16 13 02 38.7–.51 31.56S–.07 177.7W–.10 26 4.7b,4.2s
NEIC V 16 13 02 43.5–.33 31.64S 177.67W 56 5.0b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=18.0km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=9.5km az=21.8.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.2km az=142.0.
ISC V 16 16 56 19.9–.90 31.73S–.07 178.0W–.20 35 4.7b 51 2-162
IDC V 16 16 56 15.9–.93 31.59S 178.14W 0 4.6,4.5 **¶15154341**
ISCJB V 16 16 56 17.7–1.4 31.89S–.05 177.9W–.20 35 4.6b,4.5
NEIC V 16 16 56 20.0–3.9 31.62S 178.18W 27–26 4.8b,4.5
AUST V 16 16 57 21.6 31.23S 178.77E 450 4.8b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=22.6km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=28.4km s-min=6.2km az=7.5.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=13.5km az=105.0.
IDC V 16 22 41 30.5–7.1 30.61S 179.12W 0 4.0,3.7
¶16155823
IDC Error ellipse: s-maj=297.0km s-min=55.9km az=156.0.
IDC V 17 11 13 40.0–2.8 31.79S 177.90W 0 4.2,4.1
¶16155838
IDC Error ellipse: s-maj=67.9km s-min=26.4km az=115.0.
IDC V 18 10 49 12.5–16 30.03S 179.22E 0 4.1,4.0
¶16155868
IDC Error ellipse: s-maj=311.0km s-min=46.3km az=69.0.
ISC V 18 18 05 04.4–.57 31.47S–.06 177.65W–.10 26 4.7b,4.1s 104 2-162
IDC V 18 18 05 02.8–3.5 31.27S 177.65W 15–20 4.7,4.6b **¶15154381**
ISCJB V 18 18 05 03.3–.77 31.65S–.05 177.8W–.10 26 4.6b,4.1s
NEIC V 18 18 05 08.2–1.6 31.10S 177.78W 54–11 4.9b,4.1s
AUST V 18 18 05 21.7 32.05S 178.79W 100 4.9b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=19.6km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=5.7km az=13.3.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=10.5km az=137.0.
ISC V 19 19 52 15.8–1.3 31.32S–.08 177.0W–.20 35 3.8b 14 2-162
IDC V 19 19 52 10.4–1.4 31.37S 176.94W 0 4.1L,4.0 **¶13439712**
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=24.6km az=111.0.
ISC V 20 12 43 51.8–.42 31.21S–.05 177.53W–.06 35–2 5.1b,4.9s 253 2-162
IDC V 20 12 43 46.4–.50 31.24S 177.63W 0 4.8,4.8s **¶12844583**
MOS V 20 12 43 50.8–1.1 31.23S 177.80W 33 5.3b,4.9s
ISCJB V 20 12 43 50.7–.27 31.25S–.05 177.77W–.06 33 5.0b,4.9s
NEIC V 20 12 43 52.9–.84 31.22S 177.75W 41–7 5.1b,4.9s
BJI V 20 12 43 52.7 30.90S 177.51W 37 5.4b,5.2b
GCMT V 20 12 43 53.5–.20 31.27S 177.41W 16–0 5.3W,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=15.6km az=95.0.
MOS Error ellipse: s-maj=14.5km s-min=9.5km az=91.1.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.0km az=28.4.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.6km az=123.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s48,c71; s75,c125; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s214.00000°,δ19.00000°,λ114.00000°. NP2:ϕ_s9.00000° ,δ73.00000°,λ82.00000°. Principal axes: T 1.0700,Plg62.0000°,Azm267.0000° ; N 0.0400,Plg8.0000°,Azm11.0000°; P -1.1100,Plg27.0000°,Azm105.0000° M_o1.10000×10^{17}
ISC V 20 13 42 31.9–.66 31.43S–.09 177.8W–.10 35 4.6b,3.9s 51 2-162
NEIC V 20 13 42 25.7–.97 30.63S 177.48W 10 4.9b,3.9s **¶16155953**
IDC V 20 13 42 26.9–.92 31.20S 177.82W 0 4.5,4.3
ISCJB V 20 13 42 30.4–.78 31.50S–.08 177.9W–.10 35 4.5b,3.9s
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
IDC V 20 13 49 03.1–3.0 31.68S 177.37W 0 4.1,4.0
¶16155954
IDC Error ellipse: s-maj=70.2km s-min=35.6km az=120.0.
IDC V 21 00 24 28.3–1.9 31.12S 177.71W 0 4.2,4.1b
¶16155975
IDC Error ellipse: s-maj=51.2km s-min=36.0km az=36.0.
IDC V 22 11 38 14.3–1.3 31.16S 177.64W 0 4.3,4.2b
¶13193081
IDC Error ellipse: s-maj=32.6km s-min=24.9km az=67.0.
IDC V 22 13 04 22.2–1.7 27.23S 176.63W 0 5.0L,3.9
¶13439754
IDC Error ellipse: s-maj=42.3km s-min=27.4km az=110.0.
IDC V 22 13 38 13.5–.70 27.21S 176.17W 0 4.2,4.1
¶13193086
IDC Error ellipse: s-maj=22.9km s-min=21.0km az=109.0.
ISC V 24 00 58 03.9–.49 31.50S–.03 177.65W–.04 17–2 5.8s,5.6b 929 2-174
BJI V 24 00 58 00.2 31.08S 176.92W 10 6.1b,5.8s **¶15154883**
IDC V 24 00 58 01.7–.34 31.26S 177.71W 0 5.7,5.6
NEIC V 24 00 58 02.1–.15 31.48S 177.68W 4 6.0W,5.9s
ISCJB V 24 00 58 02.4–.14 31.62S–.03 177.71W–.03 16 5.8s,5.5b
MOS V 24 00 58 06.6–1.2 31.17S 177.87W 33 5.7s,5.7b
GCMT V 24 00 58 07.9–.10 31.41S 177.30W 14–0 5.8W,5.7b
SZGRF V 24 00 58 07.3 30.69S 176.17W 33 6.1b,5.7b
AUST V 24 00 58 08.0 31.95S 177.62W 35 6.1b,5.7b
DJA V 24 00 58 17.9–2.7 31S–8.0 178W–12 135–23 6.0b,5.7
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s20 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s10.00000°,δ78.00000° ,λ83.00000°. NP2:ϕ_s220.00000°,δ14.00000°,λ120.00000°. Principal axes: T 1.0000,Plg56.0000°,Azm270.0000°; N 0.1200,Plg6.0000°,Azm11.0000° ; P -1.1300,Plg32.0000°,Azm105.0000° M_o1.10000×10^{18}
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=238, per= 50. Moment Tensor Solution. s92,c192; s70,c80; Moment tensor: Scale 10^{17}Nm; M_{rr}3.62±.05 $M_{\theta\theta}$-0.17±.04; $M_{\phi\phi}$-3.45±.04; $M_{r\theta}$1.05±.09; $M_{\theta\phi}$-1.20±.03; $M_{\phi r}$4.36±.14; Best double couple: NP1:ϕ_s202.00000°,δ20.00000°,λ97.00000°. NP2:ϕ_s15.00000°,δ70.00000°,λ87.00000°. Principal axes: T 5.7300,Plg65.0000°,Azm280.0000°; N 0.2100,Plg2.0000°,Azm15.0000° ; P -5.9400,Plg25.0000°,Azm107.0000° M_o5.80000×10^{17}

SZGRF Kermadec Islands region.
ISC V 24 01 02 34.8–.88 31.46S–.08 177.8W–.20 10 4.5b 30 2-152
ISCJB V 24 01 02 33.4–.87 31.44S–.07 177.7W–.20 10 4.4b ¶13679507
IDC V 24 01 02 33.0–.93 31.29S 177.60W 0 4.6,4.4
NEIC V 24 01 02 34.5–.60 31.30S 177.62W 10 4.5b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=10.1km az=8.4.
IDC Error ellipse: s-maj=28.7km s-min=26.3km az=107.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=14.1km az=135.0.
IDC V 24 01 04 02.3–3.7 31.38S 177.74W 0 4.4,4.2
¶16156071
IDC Error ellipse: s-maj=86.2km s-min=35.7km az=125.0.
IDC V 24 01 10 08.9–1.3 31.34S 177.70W 0 4.4,4.2
¶16156072
IDC Error ellipse: s-maj=36.7km s-min=27.5km az=89.0.
IDC V 24 01 41 35.0–3.3 31.88S 177.47W 0 3.9,3.7
¶16156073
IDC Error ellipse: s-maj=75.9km s-min=37.2km az=116.0.
IDC V 24 01 57 24.7–18 27.24S 176.46W 0 4.1,4.0
¶16156076
IDC Error ellipse: s-maj=332.1km s-min=134.4km az=85.0.
ISC V 24 02 00 14.0–.44 31.40S–.04 177.56W–.05 16–2 5.2b,5.0s 494 2-173
BJI V 24 02 00 11.1 31.24S 177.44W 8 5.9b,5.4s ¶12861539
ISCJB V 24 02 00 11.2–1.8 31.53S–.03 177.68W–.05 6–11 5.2b,5.0s
IDC V 24 02 00 11.6–.36 31.31S 177.54W 0 5.0,5.0
NEIC V 24 02 00 13.3–.15 31.41S 177.62W 10 5.2b,5.0
MOS V 24 02 00 16.3–1.4 31.27S 177.63W 33 5.4b,5.0
GCMT V 24 02 00 17.9–.20 31.32S 177.30W 13–0 5.3W,5.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=32.5.
IDC Error ellipse: s-maj=13.8km s-min=12.7km az=22.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=148.0.
MOS Error ellipse: s-maj=10.8km s-min=8.5km az=80.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c75; s92,c166; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s195.00000°,δ23.00000°,λ88.00000°. NP2:ϕ_s17.00000° ,δ67.00000°,λ91.00000°. Principal axes: T 1.1300,Plg68.0000°,Azm289.0000° ; N 0.0800,Plg1.0000°,Azm197.0000°; P -1.2000,Plg22.0000°,Azm106.0000° M_o1.20000×10^{17}
ISC V 24 02 15 36.8–.47 31.36S–.06 177.7W–.10 26 4.6b 116 2-162
IDC V 24 02 15 32.7–.58 31.38S 177.71W 0 4.7,4.5 ¶15154887
NEIC V 24 02 15 34.2–.25 31.38S 177.71W 10 4.8b,4.5
ISCJB V 24 02 15 35.5–.38 31.40S–.05 177.75W–.08 26 5.0s,4.5b
AUST V 24 02 15 35.9–3.3 31.26S 176.98W 47–0 5.0s,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=17.2km az=92.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.3km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.0km az=27.3.
AUST Error ellipse: s-maj=4.1km s-min=1.6km az=282.0.
IDC V 24 02 18 44.7–1.9 31.42S 177.97W 0 4.0,3.7
¶16156078
IDC Error ellipse: s-maj=70.1km s-min=44.8km az=16.0.
ISC V 24 03 21 49.9–.48 31.42S–.05 177.66W–.06 14–2 5.1b,4.6s 374 2-173
ISCJB V 24 03 21 48.7–2.2 31.37S–.06 177.76W–.05 11–13 5.1b,4.6s ¶15154882
BJI V 24 03 21 48.6 31.25S 177.66W 13 5.7b,5.3s
IDC V 24 03 21 49.9–2.5 31.24S 177.82W 10–14 4.8,4.8
NEIC V 24 03 21 49.5–.18 31.36S 177.75W 10 5.1b,4.8
MOS V 24 03 21 52.4–1.1 31.30S 177.81W 33 5.3b,4.8
GCMT V 24 03 21 53.8–.30 31.38S 177.36W 14–1 5.0W,4.8
AUST V 24 03 22 04.5 32.00S 178.20W 100 5.0W,4.8
DJA V 24 03 22 17.8–5.2 32S–15 179W–22 215–46 5.0,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s34,c42; s65,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}3.06±.22 $M_{\theta\theta}$0.27±.15; $M_{\phi\phi}$-3.33±.15; $M_{r\theta}$-0.52±.39; $M_{\theta\phi}$-1.47±.10; $M_{\phi r}$2.16±.33; Best double couple: NP1:ϕ_s221.00000°,δ35.00000°,λ125.00000°. NP2:ϕ_s1.00000°,δ62.00000°,λ69.00000°. Principal axes: T 3.9700,Plg66.0000° ,Azm232.0000°; N 0.3700,Plg19.0000°,Azm11.0000°; P -4.3400,Plg15.0000°,Azm106.0000° M_o4.20000×10^{16}
IDC V 24 06 16 00.5–6.2 31.06S 177.75W 0 4.0,3.8
¶16156086
IDC Error ellipse: s-maj=251.6km s-min=58.5km az=156.0.
IDC V 24 12 29 04.1–2.0 31.81S 179.16W 0 4.3,4.1
¶16156098
IDC Error ellipse: s-maj=49.1km s-min=31.1km az=57.0.
IDC V 25 04 06 02.8–2.4 31.40S 177.93W 0 4.0,3.8b
¶16156133
IDC Error ellipse: s-maj=66.8km s-min=41.0km az=39.0.
ISC V 25 04 18 46.9–.52 31.40S–.06 177.7W–.10 26 4.6b,3.6s 93 2-164
IDC V 25 04 18 42.8–.56 31.37S 177.66W 0 4.7,4.6 ¶15155491
ISCJB V 25 04 18 45.4–.49 31.50S–.06 177.67W–.09 26 4.5b,3.6s
NEIC V 25 04 18 48.2–4.0 31.36S 177.72W 34–26 4.8b,3.6s
AUST V 25 04 19 25.9–20 32.30S 179.58E 208–2 4.8b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=16.3km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=7.8km az=25.6.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.0km az=140.0.
AUST Error ellipse: s-maj=9.4km s-min=2.9km az=247.0.
ISC V 25 15 36 43.6–.67 29.4S–.10 179.1W–.10 315 4.0b 45 1-164
AUST V 25 15 35 27.6–16 26.72S 173.26W 0–1 4.0b ¶15155500
ISCJB V 25 15 36 43.3–.51 29.44S–.04 179.35W–.09 315 4.0b
IDC V 25 15 36 44.1–.61 29.28S 179.09W 324–6 3.9,3.7
ISC Event type ke.
AUST Error ellipse: s-maj=3.5km s-min=2.1km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.0km az=5.0.
IDC Error ellipse: s-maj=16.7km s-min=16.3km az=156.0.
IDC V 26 10 37 10.8–3.4 31.74S 177.37W 0 4.3,4.1
¶16156180
IDC Error ellipse: s-maj=75.3km s-min=28.5km az=111.0.
ISC V 26 16 14 02.1–.83 31.52S–.08 177.7W–.10 26 4.3b,3.7s 21 2-162
AUST V 26 16 14 03.1–10 31.67S 176.98W 69–2 4.3b,3.7s ¶15155522
IDC V 26 16 14 06.6–1.1 31.56S 177.81W 48–7 4.3,4.0b
ISC Event type ke.
AUST Error ellipse: s-maj=6.8km s-min=2.6km az=267.0.
IDC Error ellipse: s-maj=29.6km s-min=23.8km az=175.0.
IDC V 27 19 08 26.9–2.1 28.22S 177.79W 0 3.8,3.6
¶16156235
IDC Error ellipse: s-maj=64.2km s-min=30.3km az=43.0.
ISC V 29 16 29 55.2–1.7 31.6S–.10 179.0W–.30 10 3.7b 23 6-146
IDC V 29 16 29 53.3–2.0 31.42S 178.88W 0 3.9,3.8 ¶16156320
ISC Event type ke.
IDC Error ellipse: s-maj=49.0km s-min=32.7km az=60.0.
IDC V 30 14 06 03.8–3.0 31.78S 177.73W 0 4.1,3.9
¶16066083
IDC Error ellipse: s-maj=72.5km s-min=45.0km az=125.0.
IDC VI 01 02 00 27.9–5.9 28.19S 178.17W 170–49 3.7,3.6
¶13439849
IDC Error ellipse: s-maj=30.4km s-min=21.3km az=53.0.
ISC VI 01 17 54 34.8–1.3 31.17S–.10 178.4W–.30 87 3.6b 15 2-162
ISCJB VI 01 17 54 34.1–.98 31.17S–.08 178.6W–.20 87 3.6b ¶16066174
IDC VI 01 17 54 35.5–2.0 31.10S 178.39W 97–19 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.7km s-min=5.5km az=18.0.
IDC Error ellipse: s-maj=35.5km s-min=18.6km az=113.0.
IDC VI 02 16 39 33.6–1.1 31.40S 177.49W 0 4.4,4.2
¶16066234
IDC Error ellipse: s-maj=31.8km s-min=22.5km az=114.0.
IDC VI 03 20 54 52.4–3.1 29.70S 176.93W 0 4.3,4.1
¶16100909
IDC Error ellipse: s-maj=66.5km s-min=43.2km az=41.0.
IDC VI 04 00 12 18.6–6.3 31.01S 179.24W 0 3.8,3.5
¶16100917
IDC Error ellipse: s-maj=256.4km s-min=57.1km az=157.0.
ISC VI 05 16 01 48.6–.41 30.74S–.03 179.59W–.06 392–3 4.7b 282 2-170
ISCJB VI 05 16 01 45.2–.36 30.63S–.04 179.45W–.09 378–5 4.7b ¶12933401
MOS VI 05 16 01 45.9–2.1 30.47S 179.54W 366 4.8b
NEIC VI 05 16 01 45.3–.56 30.64S 179.43W 357–5 4.8b
IDC VI 05 16 01 46.7–.58 30.30S 179.61W 359–5 4.3,4.3
DJA VI 05 16 01 59.2–5.3 31S–22 180E–26 501–47 5.3b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VI 06 01 11 17.6–.36 30.47S–.05 179.46W–.08 321 4.2b 222 2-165
ISCJB VI 06 01 11 16.3–.33 30.52S–.03 179.42W–.08 321 4.1b ¶13439941
NEIC VI 06 01 11 17.0–.63 30.27S 179.37W 314–5 4.4b
IDC VI 06 01 11 17.3–1.1 30.11S 179.38W 312–10 3.9,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=3.8km az=12.7.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.7km az=152.0.
IDC Error ellipse: s-maj=14.1km s-min=13.3km az=84.0.
ISC VI 06 17 13 36.3–.88 27.00S–.10 176.3W–.20 35 4.4b 35 3-152
NEIC VI 06 17 13 30.2–4.3 26.88S 176.17W 1–27 4.6b ¶13680685
IDC VI 06 17 13 31.2–1.5 27.00S 176.26W 0 4.3,4.2
ISCJB VI 06 17 13 32.5–.87 26.93S–.08 176.1W–.20 35 4.4b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 07 00 15 43.2–9.5 31.29S 178.51W 0 4.2,4.0
¶16101038
IDC Error ellipse: s-maj=215.0km s-min=24.7km az=126.0.
ISC VI 07 14 11 38.3–.96 30.22S–.08 179.1W–.10 350 3.9b 83 1-163
IDC VI 07 14 11 35.2–1.1 29.57S 179.15W 331–10 3.8,3.8 ¶15155853
AUST VI 07 14 11 38.9 30.02S 178.44W 450 3.8,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=16.6km s-min=13.9km az=133.0.
ISC VI 08 17 49 50.4–1.0 31.53S–.08 179.6W–.20 150 4.3b 35 3-162
IDC VI 08 17 49 48.8–6.1 31.48S 179.47W 136–48 4.0s,4.0 ¶15155906
AUST VI 08 17 50 11.4 30.36S 176.37E 60 4.0s,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=20.9km az=43.0.
ISC VI 08 23 34 15.6–1.2 31.7S–.10 177.8W–.20 35 4.2b 17 2-146
IDC VI 08 23 34 11.1–2.9 31.72S 177.87W 0 4.3,4.1 ¶13680928
ISCJB VI 08 23 34 13.6–1.1 31.76S–.09 177.8W–.20 35 4.1b,3.5s
NEIC VI 08 23 34 15.9–.72 31.70S 177.90W 35 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=67.2km s-min=25.5km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=8.5km az=20.5.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=8.6km az=112.0.
ISC VI 09 08 39 09.7–.74 31.85S–.06 177.8W–.10 24 4.5b,3.7s 52 3-161
NEIC VI 09 08 39 11.5–1.4 31.75S 177.72W 39–10 4.6b,3.7s ¶13440011
IDC VI 09 08 39 12.2–3.3 31.72S 177.96W 38–25 4.3,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=10.2km az=106.0.
IDC Error ellipse: s-maj=29.2km s-min=19.5km az=103.0.
ISC VI 09 16 44 45.2–1.4 31.74S–.10 179.0E–.20 500 4.0b 37 7-145
AUST VI 09 16 43 47.4 29.93S 172.64W 450 4.0b ¶16101159
IDC VI 09 16 44 42.8–3.4 31.50S 179.18E 476–33 3.6,3.5
ISCJB VI 09 16 44 44.9–1.2 31.73S–.07 178.9E–.20 500 3.9b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC VI 12 06 22 56.6–.74 29.63S–.07 175.83W–.09 28 4.5b,3.9s 58 2-157
ISCJB VI 12 06 22 54.4–.88 29.66S–.05 175.77W–.10 28 4.5b,3.9s ¶13546698
IDC VI 12 06 22 58.9–4.1 29.71S 175.93W 44–31 4.3,4.3b
NEIC VI 12 06 23 00.9–1.7 29.72S 175.99W 60–12 4.3b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.1km az=173.5.
IDC Error ellipse: s-maj=31.2km s-min=19.1km az=65.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=10.1km az=91.0.
IDC VI 12 13 51 27.4–.91 31.27S 177.97W 0 4.4,4.3b
¶13440062
IDC Error ellipse: s-maj=32.9km s-min=26.3km az=18.0.
IDC VI 13 08 50 47.3–2.1 28.71S 178.11W 0 3.8,3.6b
¶16101272
IDC Error ellipse: s-maj=55.4km s-min=14.9km az=56.0.
ISC VI 14 09 25 14.1–.93 31.73S–.08 178.0W–.20 35 4.8b 58 2-162
ISCJB VI 14 09 25 11.9–1.6 31.96S–.05 177.9W–.20 33 4.7b ¶15156097
AUST VI 14 09 25 14.1 31.95S 177.62W 60 4.7b
IDC VI 14 09 25 16.2–3.1 31.24S 178.06W 44–29 4.6,4.5b
NEIC VI 14 09 25 17.8–1.3 31.28S 178.04W 62–10 4.9b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.8km s-min=5.9km az=6.3.
IDC Error ellipse: s-maj=26.3km s-min=20.3km az=122.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=10.9km az=128.0.
IDC VI 14 21 24 51.3–2.1 31.07S 178.49W 0 4.0,3.8
¶16101336
IDC Error ellipse: s-maj=61.2km s-min=41.5km az=42.0.
IDC VI 15 20 25 36.2–3.8 28.31S 178.30W 0 3.8,3.7
¶16101380
IDC Error ellipse: s-maj=86.2km s-min=19.1km az=49.0.
ISC VI 17 07 45 42.7–3.4 31.76S–.09 177.0W–.40 35 4.2b 13 3-45
IDC VI 17 07 45 40.3–10 31.58S 177.08W 0 4.3,4.2 ¶16101427
ISCJB VI 17 07 45 41.1–2.2 31.81S–.06 177.1W–.30 33 4.1b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC VI 17 10 36 15.3–.70 31.57S–.07 179.6W–.10 350 3.5b 50 3-152
ISCJB VI 17 10 36 15.2–.65 31.51S–.05 179.8W–.10 350 3.4b ¶13383499
IDC VI 17 10 36 16.1–1.3 31.54S 179.68W 345–12 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=5.7km az=10.7.
IDC Error ellipse: s-maj=29.8km s-min=15.5km az=138.0.
IDC VI 17 11 53 45.0–1.1 29.04S 177.00W 0 4.2,4.1
¶16101435
IDC Error ellipse: s-maj=36.2km s-min=19.7km az=168.0.
IDC VI 17 22 43 23.9–10 27.58S 178.81W 318–78 3.6,3.5
¶16101447
IDC Error ellipse: s-maj=97.2km s-min=25.7km az=48.0.
IDC VI 18 00 48 31.9–2.0 29.50S 176.94W 0 4.0,3.9
¶16101449
IDC Error ellipse: s-maj=39.4km s-min=26.3km az=31.0.
ISC VI 18 01 38 57.4–.77 31.47S–.06 178.4W–.10 61 5.1b 69 2-162
ISCJB VI 18 01 38 57.1–.62 31.50S–.04 178.5W–.10 61 5.0b ¶15156196
AUST VI 18 01 38 57.5 31.95S 177.62W 100 5.0b
NEIC VI 18 01 38 59.0–1.2 31.44S 178.27W 86–10 4.4b
IDC VI 18 01 39 03.2–3.0 31.03S 178.43W 116–23 4.7,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=3.6km az=13.3.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=11.2km az=107.0.
IDC Error ellipse: s-maj=44.7km s-min=22.1km az=156.0.
ISC VI 18 05 13 39.5–.49 31.03S–.06 178.2W–.10 46 4.7b 57 2-162
IDC VI 18 05 13 33.2–.65 30.86S 178.05W 0 4.7,4.5 ¶13383505
ISCJB VI 18 05 13 38.5–.53 31.17S–.05 178.2W–.10 46 4.5b,4.5
NEIC VI 18 05 13 38.8–.44 30.95S 178.15W 35 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=20.4km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=5.4km az=19.9.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=12.9km az=135.0.
ISC VI 18 15 00 59.7–2.5 31.60S–.10 177.7W–.30 26 4.3b 14 2-146
IDC VI 18 15 00 57.4–3.0 31.52S 177.85W 0 4.3,4.2b ¶16101471
ISCJB VI 18 15 00 59.6–2.6 31.79S–.09 177.9W–.40 26 4.2b,4.2b
ISC Event type ke.
ISCJB Event type ke.

IDC VI 19 13 40 26.3–2.2 31.03S 178.90W 0 4.1,4.0
¶16101503

IDC Error ellipse: s-maj=51.9km s-min=33.7km az=57.0.
ISC VI 20 09 37 10.3–.70 31.26S–.06 177.1W–.10 35 4.5b 50 2-162
IDC VI 20 09 37 04.5–.80 31.11S 176.77W 0 4.5,4.4 **¶13681707**
NEIC VI 20 09 37 06.0–.73 31.19S 176.84W 10 4.6b,4.4
ISCJB VI 20 09 37 09.5–.94 31.37S–.05 177.3W–.20 33 4.4b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 21 15 34 25.6–7.9 31.44S 179.98W 355–89 3.3,3.2
¶16101577

IDC Error ellipse: s-maj=95.3km s-min=31.0km az=2.0.
ISC VI 22 11 36 29.5–1.9 31.9S–.10 178.4W–.30 45 4.2b 13 7-161
IDC VI 22 11 36 21.8–2.0 31.56S 178.20W 0 4.3,4.1 **¶16101609**
ISCJB VI 22 11 36 29.2–2.9 31.93S–.08 178.7W–.40 45 4.0b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC VI 23 08 58 49.8–.00 31.5S–.10 176.8W–.20 35 4.3b,3.6s 35 2-162
IDC VI 23 08 58 45.1–1.0 31.03S 176.86W 0 4.3,4.1b **¶13568811**
ISCJB VI 23 08 58 46.7–1.2 31.66S–.08 176.6W–.20 33 4.1b,3.5s
NEIC VI 23 08 58 50.3–.62 31.05S 176.80W 35 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=21.8km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=8.3km az=19.7.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=13.1km az=171.0.
IDC VI 23 09 19 30.6–3.0 31.43S 176.94W 0 4.1,4.0
¶16101641

IDC Error ellipse: s-maj=69.5km s-min=33.6km az=116.0.
IDC VI 23 21 28 36.0–1.2 31.84S 177.87W 0 4.2,4.1
¶16101669

IDC Error ellipse: s-maj=35.2km s-min=27.4km az=119.0.
ISC VI 25 18 43 37.6–1.6 27.7S–.10 179.1W–.20 300 3.0b 28 2-51
ISCJB VI 25 18 43 35.1–1.0 27.48S–.07 179.2W–.10 300 3.0b **¶16101724**
IDC VI 25 18 43 36.5–2.1 27.46S 179.04W 296–15 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=9.8km az=179.9.
IDC Error ellipse: s-maj=52.0km s-min=25.4km az=57.0.
IDC VI 28 03 26 11.8–2.1 28.36S 177.82W 0 4.1,3.9b
¶16101806

IDC Error ellipse: s-maj=47.0km s-min=25.7km az=64.0.
IDC VI 28 18 24 27.4–13 31.69S 179.34E 563–143 3.2,3.1
¶13383591

IDC Error ellipse: s-maj=99.7km s-min=20.4km az=57.0.
IDC VI 30 04 21 13.4–1.6 31.40S 178.75W 0 4.3,4.1
¶16101887

IDC Error ellipse: s-maj=50.3km s-min=28.8km az=40.0.
IDC VI 30 19 50 40.0–1.1 31.35S 177.82W 0 4.5,4.4
¶16101911

IDC Error ellipse: s-maj=33.0km s-min=22.9km az=122.0.
IDC VI 30 21 40 14.6–25 29.95S 179.01W 347–226 3.6,3.5
¶16101913

IDC Error ellipse: s-maj=133.4km s-min=29.5km az=56.0.

(178) Kermadec Islands.
IDC I 01 16 36 20.3–7.2 30.58S 177.15W 0 4.1,3.8b
¶12079762

IDC Error ellipse: s-maj=305.4km s-min=54.4km az=155.0.
IDC I 01 19 42 41.8–42 29.60S 177.24W 0 3.9,3.7b
¶12079774

IDC Error ellipse: s-maj=767.6km s-min=174.0km az=97.0.
IDC I 03 00 35 53.9–6.0 30.41S 178.51W 0 3.6,3.5
¶12079863

IDC Error ellipse: s-maj=236.5km s-min=59.5km az=155.0.
ISC I 04 13 26 59.0–.56 30.57S–.07 177.6W–.10 33 4.7b 64 1-163
IDC I 04 13 26 53.9–.69 30.30S 177.53W 0 4.6,4.5b **¶13404601**
NEIC I 04 13 26 57.7–3.0 30.31S 177.49W 25–20 4.8b,4.5b
ISCJB I 04 13 26 59.3–.60 30.69S–.05 177.8W–.10 33 4.6b,4.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC I 06 00 53 11.3–1.1 30.21S–.07 177.3W–.20 33 4.2b 37 1-152
IDC I 06 00 53 07.9–1.4 30.29S 177.39W 0 4.4,4.3b **¶12080438**
NEIC I 06 00 53 08.8–1.9 30.24S 177.39W 7–10 4.6b,4.3b
ISCJB I 06 00 53 09.4–2.2 30.28S–.05 177.3W–.30 33 4.2b,4.3b
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
IDC I 06 22 36 06.8–5.2 30.45S 178.04W 0 3.9,3.6b
¶12080561

IDC Error ellipse: s-maj=198.7km s-min=55.8km az=155.0.
ISC I 08 05 39 11.9–.91 30.32S–.07 177.8W–.20 33 4.5b 31 1-163
IDC I 08 05 39 06.1–1.1 30.24S 177.61W 0 4.4,4.3 **¶12080710**
ISCJB I 08 05 39 10.3–1.4 30.44S–.07 177.8W–.20 33 4.4b,3.4s
NEIC I 08 05 39 11.1–.92 30.32S 177.51W 35 4.2b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=27.2km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=30.4km s-min=8.6km az=7.4.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=14.3km az=99.0.
IDC I 14 16 35 47.0–.85 30.35S 177.51W 0 4.4,4.2
¶12081276

IDC Error ellipse: s-maj=49.0km s-min=22.7km az=179.0.
IDC I 17 17 06 16.3–2.5 30.22S 178.22W 0 4.2,4.1
¶12081549

IDC Error ellipse: s-maj=68.6km s-min=32.7km az=35.0.
IDC I 17 17 07 52.4–6.7 29.94S 178.02W 0 4.0,3.9b
¶12081550

IDC Error ellipse: s-maj=176.0km s-min=34.4km az=40.0.
IDC I 18 05 03 39.6–1.9 30.77S 178.68W 0 4.1,3.8b
¶12081602

IDC Error ellipse: s-maj=65.0km s-min=43.4km az=14.0.
ISC I 18 14 11 48.7–.35 30.23S–.03 177.86W–.03 31–2 6.1s,6.0b 2451 1-173
SZGRF I 18 14 11 42.1 30.77S 177.15W 33 6.4b,6.0b **¶13989162**
BJI I 18 14 11 43.7 29.55S 177.40W 7 6.6b,6.2s
DJA I 18 14 11 45 29.97S 177.72W 10 6.4W,6.2s
ISCJB I 18 14 11 45.9–.08 30.35S–.02 178.03W–.03 23 6.1s,6.0b
MOS I 18 14 11 48.4–.95 30.04S 177.94W 33 6.2b,6.1s
NEIC I 18 14 11 48.9–.10 30.20S 177.95W 33 6.4W,6.3W
IDC I 18 14 11 51.8–.96 30.19S 177.99W 51–7 6.0,5.9s
ISC Event type se.
SZGRF Kermadec Islands, New Zealand.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=1.9km az=36.3.
MOS Error ellipse: s-maj=8.8km s-min=6.9km az=81.8.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.1km az=124.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s46 Moment tensor: Scale 10^{18}Nm; M_{rr}3.20 $M_{\theta\theta}$-1.09 $M_{\phi\phi}$-2.11 $M_{r\theta}$0.28 $M_{\theta\phi}$-1.32 $M_{\phi r}$0.67 Best double couple: NP1:ϕ_s32.00000°,δ52.00000°,λ87.00000°. NP2: ϕ_s217.00000°,δ39.00000°,λ94.00000°. Principal axes: T 3.2900,Plg83.0000°,Azm283.0000° ; N -0.1900,Plg2.0000°,Azm33.0000°; P -3.1000,Plg6.0000°,Azm124.0000° M_o3.20000×10^{18}
IDC Error ellipse: s-maj=10.5km s-min=7.4km az=24.0.
IDC I 18 15 19 47.5–5.7 30.26S 178.03W 0 3.7,3.6
¶12081655

IDC Error ellipse: s-maj=221.1km s-min=53.3km az=150.0.
IDC I 18 18 40 09.7–5.4 30.11S 177.57W 0 3.8,3.7
¶12081661

IDC Error ellipse: s-maj=212.2km s-min=49.0km az=150.0.
ISC I 18 21 18 05.0–.78 30.08S–.08 177.8W–.10 49–6 4.4b 43 1-163
NEIC I 18 21 18 02.5–3.1 30.15S 177.67W 32–21 4.4b **¶13405828**
IDC I 18 21 18 06.0–.88 29.99S 177.75W 56–7 4.3,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=10.0km az=98.0.
IDC Error ellipse: s-maj=30.4km s-min=22.4km az=173.0.
IDC I 18 23 06 53.4–5.8 30.50S 177.38W 0 3.9,3.8
¶12081682

IDC Error ellipse: s-maj=233.1km s-min=50.0km az=151.0.
IDC I 19 03 27 12.4–5.1 29.50S 177.62W 0 3.8,3.7
¶12081701

IDC Error ellipse: s-maj=235.1km s-min=74.9km az=160.0.
IDC I 19 07 37 52.1–3.1 29.20S 177.89W 0 4.4,4.3b
¶12081732

IDC Error ellipse: s-maj=80.7km s-min=34.5km az=37.0.
IDC I 20 20 07 55.9–7.0 30.28S 177.76W 0 3.9,3.7b
¶12081895

IDC Error ellipse: s-maj=291.4km s-min=55.2km az=155.0.
ISC I 21 09 34 19.0–.45 30.51S–.06 177.63W–.08 46–3 4.8b,4.0s 253 1-163
BJI I 21 09 34 15.4 30.29S 177.49W 30 5.7b,5.2s **¶11615831**
ISCJB I 21 09 34 18.1–.15 30.50S–.04 177.84W–.06 43 4.8b,4.1s
NEIC I 21 09 34 19.1–1.2 30.17S 177.73W 42–10 4.9b,4.1s
IDC I 21 09 34 21.4–.69 30.08S 177.74W 56–5 4.5,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.1km az=33.2.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.7km az=128.0.
IDC Error ellipse: s-maj=19.8km s-min=15.0km az=175.0.
IDC I 22 03 51 38.2–5.2 29.76S 177.55W 0 4.0,3.7b
¶12082029

IDC Error ellipse: s-maj=292.4km s-min=74.4km az=166.0.
ISC I 23 21 27 58.4–.34 30.25S–.05 177.68W–.07 35 5.1b,4.4s 235 1-163
DJA I 23 21 27 35 29.09S 174.88W 10 5.3b,4.4s **¶13433956**
IDC I 23 21 27 53.2–.52 30.03S 177.66W 0 4.8,4.7
BJI I 23 21 27 54.2 30.70S 177.04W 35 5.6b,5.2s
ISCJB I 23 21 27 56.5–.18 30.60S–.03 177.76W–.05 33 4.9b,4.3s
NEIC I 23 21 27 58.1–.29 30.22S 177.77W 35 5.0b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=17.4km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=2.6km az=29.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.4km az=137.0.
IDC I 24 14 21 20.6–4.1 30.76S 177.22W 0 3.8,3.7b
¶12082229

IDC Error ellipse: s-maj=143.0km s-min=48.3km az=153.0.
ISC I 24 16 00 32.0–.66 29.1S–.20 177.9W–.10 100 4.5b 45 0-164
NEIC I 24 16 00 30.6–.96 29.13S 177.98W 89–8 4.7b **¶13433974**
IDC I 24 16 00 33.3–12 28.96S 178.11W 106–106 4.3,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=12.8km az=158.0.
IDC Error ellipse: s-maj=41.7km s-min=25.1km az=56.0.
IDC I 25 05 00 25.6–5.8 30.05S 177.38W 0 4.0,3.8b
¶12082282

IDC Error ellipse: s-maj=236.6km s-min=49.6km az=151.0.
ISC I 25 09 15 41.2–.32 30.15S–.05 177.86W–.07 50 5.0b,4.0s 327 1-163
IDC I 25 09 15 34.0–.49 29.95S 177.76W 0 4.8,4.8 **¶13433995**
BJI I 25 09 15 36.5 29.94S 176.81W 40 5.7b,5.5s
MOS I 25 09 15 38.1–1.0 30.03S 177.85W 33 5.2b,5.5s
ISCJB I 25 09 15 39.4–.17 30.61S–.03 177.85W–.05 50 5.0b,4.2s
NEIC I 25 09 15 41.2–1.2 30.01S 177.84W 51–10 5.0b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=17.9km az=124.0.
MOS Error ellipse: s-maj=13.8km s-min=12.5km az=114.1.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=2.2km az=28.4.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.7km az=136.0.
IDC I 26 02 50 31.7–4.3 30.31S 178.92W 0 4.0,3.7b
¶12082343

IDC Error ellipse: s-maj=241.6km s-min=61.7km az=167.0.
IDC I 26 20 00 31.3–3.6 30.09S 178.07W 0 3.9,3.8b
¶12082404

IDC Error ellipse: s-maj=185.5km s-min=42.8km az=158.0.
IDC I 29 16 39 41.2–3.3 29.66S 177.67W 0 3.8,3.7
¶12082679

IDC Error ellipse: s-maj=199.7km s-min=30.7km az=159.0.
IDC I 30 08 35 00.9–24 29.99S 178.87W 318–215 3.7,3.6b
¶12082730

IDC Error ellipse: s-maj=119.6km s-min=23.1km az=56.0.
IDC II 01 10 12 25.9–5.1 29.57S 177.52W 0 4.0,3.7s
¶15954824

IDC Error ellipse: s-maj=283.8km s-min=74.6km az=166.0.
IDC II 02 07 40 33.8–28 30.21S 178.38W 0 4.0,4.0
¶15954883

IDC Error ellipse: s-maj=512.8km s-min=70.4km az=83.0.
IDC II 03 18 33 19.3–3.6 30.00S 177.42W 0 4.2,4.0
¶15954968

IDC Error ellipse: s-maj=132.0km s-min=59.4km az=163.0.
IDC II 03 20 40 56.9–5.2 30.76S 178.54W 0 3.9,3.6
¶15954972

IDC Error ellipse: s-maj=201.5km s-min=56.7km az=155.0.
IDC II 04 02 53 44.6–8.3 30.49S 178.69W 0 3.9,3.6
¶15955001

IDC Error ellipse: s-maj=352.9km s-min=56.0km az=156.0.
IDC II 05 13 00 36.5–7.9 30.04S 177.33W 0 3.6,3.5
¶15955072

IDC Error ellipse: s-maj=329.1km s-min=59.5km az=155.0.
IDC II 07 19 32 02.2–6.6 30.82S 177.11W 0 4.1,3.8
¶15955191

IDC Error ellipse: s-maj=280.1km s-min=52.5km az=156.0.
IDC II 08 23 41 39.0–8.4 30.74S 178.74W 0 4.3,4.0
¶15955236

IDC Error ellipse: s-maj=361.1km s-min=54.7km az=156.0.
IDC II 09 00 04 58.7–4.7 29.76S 178.24W 0 4.1,3.9
¶15955281

IDC Error ellipse: s-maj=196.8km s-min=71.6km az=159.0.
IDC II 12 19 09 57.1–1.5 30.96S 177.85W 0 4.5,4.2b
¶15955791

IDC Error ellipse: s-maj=56.1km s-min=39.9km az=173.0.
IDC II 12 21 15 54.2–8.5 30.39S 178.21W 0 4.0,3.7
¶15955808

IDC Error ellipse: s-maj=361.1km s-min=61.4km az=155.0.
IDC II 12 23 41 03.8–4.0 30.70S 177.81W 0 4.4,4.2
¶15955836

IDC Error ellipse: s-maj=179.0km s-min=43.7km az=158.0.
ISC II 13 02 17 49.9–.30 30.94S–.04 178.17W–.05 59–2 5.4b,4.7s 898 2-174
MOS II 13 02 17 46.5–.83 30.63S 178.21W 33 5.6b,4.7s **¶11672871**
BJI II 13 02 17 47.8 30.44S 177.41W 55 5.8b,5.5s
ISCJB II 13 02 17 48.3–.10 31.14S–.03 178.21W–.04 58 5.3b,4.7s
IDC II 13 02 17 50.5–.75 30.57S 178.16W 62–6 5.0,5.0
NEIC II 13 02 17 50.0–.14 30.71S 178.20W 58 5.3b,5.2W
BGS II 13 02 17 50.0 30.71S 178.20W 60 5.3b,5.2W
ISC Event type se.
MOS Error ellipse: s-maj=10.5km s-min=8.4km az=60.5.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.3km az=33.2.
IDC Error ellipse: s-maj=15.9km s-min=12.3km az=4.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.6km az=157.0. Moment Tensor Solution. s15 Moment tensor: Scale 10^{16}Nm; M_{rr}8.00 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$-6.60 $M_{r\theta}$0.11 $M_{\theta\phi}$-2.86 $M_{\phi r}$-0.36 Best double couple: NP1:ϕ_s26.00000°,δ44.00000°,λ93.00000°. NP2:ϕ_s202.00000° ,δ46.00000°,λ88.00000°. Principal axes: T 8.0100,Plg87.0000°,Azm54.0000° ; N -0.1500,Plg1.0000°,Azm203.0000°; P -7.8700,Plg1.0000°,Azm293.0000° M_o7.90000×10^{16}
IDC II 13 20 11 13.4–7.1 30.72S 178.06W 0 3.9,3.7
¶15955996

IDC Error ellipse: s-maj=301.4km s-min=54.8km az=156.0.
ISC II 14 14 56 05.8–1.7 30.7S–.10 178.0W–.30 46 3.9b 11 8-149
IDC II 14 14 56 00.9–1.6 29.81S 178.26W 0 4.0,3.8 **¶15956065**
ISCJB II 14 14 56 04.1–3.2 30.84S–.10 178.0W–.50 46 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.

IDC II 14 20 35 26.6–7.7 30.53S 178.22W 0 3.7,3.6 ¶15956085
IDC Error ellipse: s-maj=321.3km s-min=59.4km az=156.0.
ISC II 15 00 39 39.6–.96 30.4S–.10 177.5W–.20 33 4.6b 23 9-163
ISCJB II 15 00 39 45.1–1.5 30.69S–.07 178.6W–.20 33 4.6b ¶13434647
IDC II 15 00 40 18.2–8.8 30.58S 178.66W 349–78 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.0km s-min=8.5km az=8.4.
IDC Error ellipse: s-maj=46.1km s-min=21.2km az=61.0.
IDC II 16 04 30 57.5–5.1 30.41S 178.30W 0 4.1,3.9 ¶15956241
IDC Error ellipse: s-maj=194.9km s-min=54.5km az=154.0.
ISC II 17 03 30 56.2–.43 30.75S–.04 178.62W–.04 31–2 5.5s,5.3b 858 2-172
BJI II 17 03 30 53.8 30.73S 178.66W 24 6.3b,5.6s ¶11678703
SZGRF II 17 03 30 53.4 30.20S 177.41W 33 5.6b,5.6s
NEIC II 17 03 30 53.3–.25 30.72S 178.62W 13 6.0W,6.0W
ISCJB II 17 03 30 55.5–.13 30.74S–.04 178.80W–.04 31 5.5s,5.3b
MOS II 17 03 30 56.0–1.1 30.63S 178.84W 33 5.5b,5.4s
IDC II 17 03 30 57.0–3.0 30.55S 178.62W 40–25 5.3,5.3s
ISC Event type se.
SZGRF Kermadec Islands, New Zealand.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.9km az=145.0. Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s49 Moment tensor: Scale 10^{18}Nm; M_{rr}1.07 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-0.83 $M_{r\theta}$-0.45 $M_{\theta\phi}$0.02 $M_{\phi r}$-0.30 Best double couple: NP1:ϕ_s346.00000°,δ38.00000°,λ64.00000°. NP2: ϕ_s198.00000°,δ57.00000°,λ109.00000°. Principal axes: T 1.2500,Plg71.0000°,Azm153.0000° ; N -0.3700,Plg15.0000°,Azm7.0000°; P -0.8800,Plg9.0000°,Azm274.0000° $M_0$1.10000×10^{18} Moment Tensor Solution. $M_0$1.90000×10^{18}
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.5km az=139.8.
MOS Error ellipse: s-maj=11.8km s-min=10.6km az=127.2.
IDC Error ellipse: s-maj=19.1km s-min=12.4km az=172.0.
IDC II 17 08 54 38.2–9.4 30.74S 178.45W 0 3.5,3.4 ¶15956396
IDC Error ellipse: s-maj=401.9km s-min=60.8km az=157.0.
IDC II 17 17 01 26.2–2.0 30.34S 178.30W 0 4.0,3.8 ¶15956430
IDC Error ellipse: s-maj=52.3km s-min=35.6km az=35.0.
IDC II 17 23 35 16.5–3.2 30.01S 178.16W 0 4.2,4.1 ¶15956450
IDC Error ellipse: s-maj=201.4km s-min=36.8km az=161.0.
IDC II 18 21 21 40.5–1.9 30.50S 178.25W 42–7 3.9,3.7 ¶15956590
IDC Error ellipse: s-maj=49.2km s-min=25.0km az=39.0.
IDC II 19 07 45 04.7–5.1 29.12S 177.94W 0 4.0,3.8 ¶15956694
IDC Error ellipse: s-maj=196.2km s-min=78.8km az=158.0.
IDC II 19 17 14 14.1–9.7 30.79S 177.02W 0 3.6,3.5 ¶15956725
IDC Error ellipse: s-maj=429.4km s-min=56.2km az=156.0.
ISC II 19 22 26 32.0–.86 30.5S–.20 177.9W–.20 46 4.5b 18 16-163
ISCJB II 19 22 26 31.1–1.2 30.6S–.20 178.0W–.20 46 4.5b ¶12701288
IDC II 19 22 26 41.1–14 30.58S 178.14W 121–122 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.7km s-min=23.0km az=0.0.
IDC Error ellipse: s-maj=52.1km s-min=24.2km az=58.0.
IDC II 20 05 39 57.0–5.2 30.96S 178.25W 0 4.2,4.0 ¶15956806
IDC Error ellipse: s-maj=201.5km s-min=50.2km az=152.0.
IDC II 24 19 36 39.1–7.3 30.77S 178.88W 0 3.7,3.6 ¶15957181
IDC Error ellipse: s-maj=298.2km s-min=61.6km az=157.0.
IDC II 26 04 34 03.5–5.2 29.30S 178.58W 0 4.0,3.8 ¶15957336
IDC Error ellipse: s-maj=207.4km s-min=81.2km az=158.0.
ISC II 26 06 52 37.4–.85 30.25S–.10 178.0W–.20 50 4.6b 20 9-163
ISCJB II 26 06 52 37.1–1.3 30.40S–.08 177.9W–.20 50 4.6b ¶11938312
IDC II 26 06 53 08.5–8.6 30.26S 178.62W 305–75 3.9,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.4km s-min=11.3km az=1.3.
IDC Error ellipse: s-maj=43.1km s-min=19.4km az=63.0.
IDC II 26 19 29 45.8–4.7 29.98S 177.33W 0 3.6,3.5 ¶15957374
IDC Error ellipse: s-maj=280.4km s-min=66.7km az=166.0.
IDC II 28 15 38 18.9–5.6 29.45S 177.96W 0 3.5,3.4 ¶15957532
IDC Error ellipse: s-maj=317.7km s-min=79.5km az=165.0.
IDC III 01 11 40 44.6–4.5 29.54S 177.75W 0 4.0,3.8b ¶12702187
IDC Error ellipse: s-maj=193.6km s-min=69.2km az=160.0.
IDC III 02 02 37 56.3–5.0 29.08S 177.45W 0 3.8,3.7 ¶12702228
IDC Error ellipse: s-maj=199.4km s-min=76.6km az=158.0.
IDC III 03 00 50 24.7–7.4 30.40S 178.23W 0 4.1s,4.1 ¶12702314
IDC Error ellipse: s-maj=309.7km s-min=55.6km az=156.0.
IDC III 03 14 33 30.6–4.8 30.31S 178.56W 0 3.7,3.6 ¶12702354
IDC Error ellipse: s-maj=284.5km s-min=69.3km az=167.0.
IDC III 05 11 39 59.1–5.1 29.01S 177.62W 0 4.1,3.9 ¶12702489
IDC Error ellipse: s-maj=187.9km s-min=78.8km az=157.0.
IDC III 05 11 45 09.3–7.1 30.29S 177.57W 0 3.6,3.5 ¶12702490
IDC Error ellipse: s-maj=298.0km s-min=56.2km az=155.0.
ISC III 05 14 34 46.0–.42 30.16S–.08 177.78W–.09 50 4.8b,3.9s 88 13-163
ISCJB III 05 14 34 44.4–.45 30.15S–.08 177.87W–.08 50 4.7b,3.9s ¶15153061
IDC III 05 14 34 45.3–2.9 30.14S 177.86W 43–25 4.3,4.3b
NEIC III 05 14 34 46.5–1.6 30.12S 177.89W 56–13 4.8b,4.3b
AUST III 05 14 34 52.1–2.5 30.27S 117.79E 4–0 4.8b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=9.8km az=148.5.
IDC Error ellipse: s-maj=16.7km s-min=16.1km az=6.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.1km az=157.0.
AUST Error ellipse: s-maj=1.9km s-min=1.0km az=252.0.
IDC III 06 14 38 29.5–5.7 29.01S 178.64W 0 3.4,3.4 ¶12702570
IDC Error ellipse: s-maj=267.4km s-min=88.9km az=164.0.
IDC III 06 17 59 09.5–4.1 30.72S 177.64W 0 4.2,4.0b ¶12702578
IDC Error ellipse: s-maj=145.6km s-min=48.1km az=154.0.
IDC III 07 18 19 58.6–6.1 30.05S 177.36W 0 3.8,3.6 ¶12702653
IDC Error ellipse: s-maj=247.5km s-min=54.1km az=154.0.
ISC III 09 06 45 49.4–.95 30.8S–.30 177.3W–.20 27 4.3b,4.1s 32 18-162
IDC III 09 06 45 44.9–1.1 30.86S 177.27W 0 4.4,4.2 ¶12702779
NEIC III 09 06 45 50.3–.51 30.87S 177.33W 35 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=59.5km s-min=26.3km az=162.0.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=12.1km az=168.0.
IDC III 12 20 26 43.6–12 29.64S 178.06W 242–115 3.1,2.9 ¶12703108
IDC Error ellipse: s-maj=100.6km s-min=56.4km az=12.0.
ISC III 13 02 30 57.4–.47 29.12S–.06 177.20W–.06 54–3 4.8b,4.3s 330 1-168
IDC III 13 02 30 52.9–3.0 28.90S 177.29W 17–17 4.7,4.7 ¶11876233
MOS III 13 02 30 54.2–1.5 28.93S 177.27W 33 5.1b,4.7
BJI III 13 02 30 55.9 29.21S 176.81W 61 5.6b,5.3s
ISCJB III 13 02 30 57.8–.76 29.12S–.06 177.43W–.06 66–6 4.7b,5.3s
NEIC III 13 02 30 57.1–.88 29.07S 177.38W 51–7 4.9b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=15.2km az=5.0.
MOS Error ellipse: s-maj=12.5km s-min=9.9km az=142.7.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.5km az=137.6.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.2km az=143.0.
IDC III 14 15 33 50.3–5.2 29.71S 177.70W 0 3.5,3.4 ¶12703277
IDC Error ellipse: s-maj=301.9km s-min=73.1km az=165.0.
IDC III 15 14 20 47.7–2.2 30.34S 178.29W 0 4.2,4.0b ¶12703357
IDC Error ellipse: s-maj=53.3km s-min=35.8km az=48.0.
ISC III 15 18 08 31.8–.27 30.20S–.05 177.77W–.06 50 5.1b,4.4s 659 1-172
BJI III 15 18 08 24.9 30.07S 177.48W 15 5.6b,5.3s ¶15153204
MOS III 15 18 08 29.1–.92 30.04S 177.90W 33 5.4b,5.3s
NEIC III 15 18 08 30.3–.74 30.28S 177.77W 43–6 5.1b,5.3s
ISCJB III 15 18 08 31.5–.14 30.12S–.04 178.06W–.03 50 5.1b,4.4s
IDC III 15 18 08 32.3–2.8 29.96S 177.90W 50–23 4.9,4.8
AUST III 15 18 08 33.9–.03 29.94S 177.76W 62 4.9,4.8
GCMT III 15 18 08 35.5–.20 30.03S 177.67W 55–1 5.1W,4.8
BGS III 15 18 08 56.3–17 30.28S 177.77W 40 5.1b,4.8
DJA III 15 18 09 11.8–6.8 31S–35 179W–42 377–57 5.0b,5.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s54,c83; s76,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}5.98±.21 $M_{\theta\theta}$0.29±.18; $M_{\phi\phi}$-6.28±.16; $M_{r\theta}$0.45±.12; $M_{\theta\phi}$-0.75±.14; $M_{\phi r}$2.31±.13; Best double couple: NP1:ϕ_s185.00000°,δ35.00000°,λ87.00000°. NP2:ϕ_s8.00000°,δ55.00000°,λ92.00000°. Principal axes: T 6.4200,Plg79.0000° ,Azm286.0000°; N 0.3700,Plg2.0000°,Azm187.0000°; P -6.8000,Plg10.0000°,Azm97.0000° $M_0$6.60000×10^{16}
IDC III 20 05 27 35.1–7.5 30.20S 177.17W 0 4.2s,4.2 ¶12703781
IDC Error ellipse: s-maj=317.2km s-min=56.4km az=154.0.
IDC III 20 17 58 45.9–5.3 30.27S 178.08W 0 4.1,3.9 ¶12703842
IDC Error ellipse: s-maj=205.0km s-min=49.1km az=151.0.
IDC III 23 11 41 13.5–4.7 30.26S 178.07W 0 3.7,3.5 ¶12635385
IDC Error ellipse: s-maj=287.1km s-min=65.9km az=167.0.
IDC III 23 17 49 28.6–7.9 30.30S 178.05W 0 3.5,3.4 ¶12635404
IDC Error ellipse: s-maj=337.5km s-min=55.1km az=155.0.
IDC III 28 19 44 59.7–4.4 30.22S 178.52W 0 4.1,3.8b ¶12635796
IDC Error ellipse: s-maj=221.9km s-min=69.2km az=167.0.
ISC III 28 21 54 22.3–.98 30.6S–.10 177.4W–.20 33 4.4b 21 9-153
ISCJB III 28 21 54 22.0–1.2 30.66S–.10 177.5W–.20 33 4.5b,3.7s ¶12635808
IDC III 28 21 54 25.1–6.8 30.68S 177.46W 55–61 4.3,4.2b
AUST III 28 21 55 11.1–3.1 31.77S 179.07E 259–0 4.3,4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.6km s-min=10.8km az=20.3.
IDC Error ellipse: s-maj=48.8km s-min=28.5km az=176.0.
AUST Error ellipse: s-maj=3.2km s-min=1.9km az=239.0.
IDC III 30 09 55 20.2–9.9 30.40S 178.83W 340–99 2.9,2.8 ¶12635934
IDC Error ellipse: s-maj=99.4km s-min=52.0km az=12.0.
ISC III 30 11 47 46.6–.62 29.53S–.08 177.10W–.09 31 4.1b 45 1-153
IDC III 30 11 47 42.1–.91 29.50S 177.23W 0 4.4,4.4L ¶12635940
ISCJB III 30 11 47 44.9–.71 29.63S–.06 177.07W–.09 31 4.2b,3.2s
NEIC III 30 11 47 48.4–1.4 29.57S 177.18W 47–11 4.6b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=19.6km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=8.0km az=5.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=10.8km az=101.0.
IDC III 30 18 08 00.9–9.6 30.23S 177.55W 0 3.9,3.6b ¶12635969
IDC Error ellipse: s-maj=416.5km s-min=55.5km az=155.0.
IDC III 31 11 25 33.1–5.5 30.36S 178.57W 87–8 3.7,3.6b ¶12636025
IDC Error ellipse: s-maj=144.6km s-min=22.7km az=41.0.
IDC IV 03 22 54 32.2–5.4 30.30S 177.44W 0 4.2,4.0b ¶16152332
IDC Error ellipse: s-maj=211.7km s-min=55.1km az=159.0.
IDC IV 04 00 19 21.8–1.5 30.08S 177.83W 0 4.2,4.0 ¶16152335
IDC Error ellipse: s-maj=63.4km s-min=36.8km az=175.0.
IDC IV 04 04 50 54.9–4.2 30.70S 177.50W 0 3.8,3.7 ¶16152343
IDC Error ellipse: s-maj=202.9km s-min=49.1km az=157.0.
ISC IV 04 09 36 07.7–1.1 29.51S–.08 178.5W–.20 204 3.7b 33 9-164
IDC IV 04 09 36 00.1–6.8 28.97S 178.30W 130–58 3.6,3.6 ¶12934494
ISCJB IV 04 09 36 05.7–1.2 29.49S–.06 178.3W–.20 204 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC IV 05 09 22 21.5–2.2 29.8S–.10 178.8W–.30 350 12 9-144
IDC IV 05 09 22 19.9–10 29.54S 178.73W 327–101 3.0,2.8 ¶16152410
ISC Event type ke.
IDC Error ellipse: s-maj=94.9km s-min=54.2km az=13.0.
IDC IV 06 16 59 45.2–3.0 30.47S 177.48W 0 3.9,3.7 ¶16152469
IDC Error ellipse: s-maj=70.3km s-min=36.3km az=113.0.
ISC IV 07 03 46 10.1–.48 30.03S–.07 177.27W–.09 35 4.5b,4.1s 87 1-163
IDC IV 07 03 46 05.4–.58 29.78S 177.34W 0 4.5,4.5 ¶15153598
AUST IV 07 03 46 07.8–2.2 29.91S 176.83W 25–0 4.5,4.5
ISCJB IV 07 03 46 08.3–.55 30.06S–.07 177.23W–.09 35 4.5b,4.2s
NEIC IV 07 03 46 08.1–1.6 29.94S 177.29W 21–11 4.8b,4.2s
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=17.1km az=123.0.
AUST Error ellipse: s-maj=1.8km s-min=1.1km az=292.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=9.3km az=31.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.5km az=126.0.
IDC IV 07 15 54 31.9–5.7 30.23S 177.86W 0 3.7,3.6 ¶16152513
IDC Error ellipse: s-maj=217.3km s-min=53.4km az=149.0.
ISC IV 11 07 52 58.4–1.0 30.93S–.09 177.8W–.20 46 4.3b 26 2-162
IDC IV 11 07 52 52.3–1.2 30.87S 177.73W 0 4.3,4.2b ¶12935044
ISCJB IV 11 07 52 56.0–1.4 31.02S–.07 177.7W–.20 46 4.1b,4.2b
NEIC IV 11 07 52 57.7–.79 30.86S 177.83W 35 4.2b,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=28.2km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=30.5km s-min=8.2km az=9.9.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=12.0km az=101.0.
ISC IV 14 12 48 57.3–.50 30.43S–.04 177.77W–.05 17–2 5.3b,4.5s 702 1-169
IDC IV 14 12 48 55.0–.39 30.21S 177.82W 0 5.0,5.0 ¶15153712
BJI IV 14 12 48 54.8 29.54S 177.05W 7 5.7b,5.4s
AUST IV 14 12 48 56.6 30.86S 176.59W 60 5.7b,5.4s
ISCJB IV 14 12 48 56.0–.11 30.63S–.02 177.97W–.04 14 5.2b,4.5s
MOS IV 14 12 48 59.6–.85 30.20S 178.02W 33 5.5b,4.6s
NEIC IV 14 12 49 01.8–1.1 30.28S 177.90W 48–9 5.2b,4.6s
GCMT IV 14 12 49 03.8–.20 30.22S 177.60W 48–1 5.2W,4.6s
DJA IV 14 12 49 20.5–6.1 30S–13 177W–42 274–44 5.5b,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c86; s70,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}6.44±.22 $M_{\theta\theta}$0.11±.19; $M_{\phi\phi}$-6.54±.16; $M_{r\theta}$0.19±.15; $M_{\theta\phi}$-2.14±.14; $M_{\phi r}$3.15±.15; Best double couple: NP1:ϕ_s203.00000°,δ33.00000°,λ101.00000°. NP2:ϕ_s10.00000°,δ57.00000°,λ83.00000°. Principal axes: T 7.1800,Plg76.0000° ,Azm259.0000°; N 0.6600,Plg6.0000°,Azm14.0000°; P -7.8300,Plg12.0000°,Azm105.0000° $M_0$7.50000×10^{16}
IDC IV 17 02 37 51.4–1.5 30.29S 177.83W 0 4.3,4.2b ¶16152874
IDC Error ellipse: s-maj=43.4km s-min=35.7km az=148.0.
ISC IV 17 07 22 12.4–2.5 30.7S–.10 177.4W–.30 33 4.5b 16 8-146

IDC IV 17 07 22 07.7–2.9 30.54S 177.49W 0 4.5,4.4b ¶16152885
ISCJB IV 17 07 22 08.2–2.5 30.78S–.09 177.1W–.40 33 4.4b,4.4b
ISC Event type ke.
ISCJB Event type ke.
IDC IV 20 09 30 19.6–1.5 30.23S 177.95W 0 3.6,3.4
¶16153126
IDC Error ellipse: s-maj=58.5km s-min=41.7km az=180.0.
IDC IV 21 02 22 29.0–5.2 29.15S 177.57W 0 3.8,3.6
¶16153182
IDC Error ellipse: s-maj=235.1km s-min=81.6km az=164.0.
IDC IV 22 18 03 16.8–5.7 30.76S 178.60W 0 3.7,3.5
¶16153270
IDC Error ellipse: s-maj=218.4km s-min=57.6km az=155.0.
IDC IV 25 03 37 48.7–9.6 30.33S 178.10W 33–63 3.7,3.4
¶16153361
IDC Error ellipse: s-maj=92.4km s-min=31.4km az=129.0.
IDC IV 25 13 31 11.8–1.7 30.30S 177.64W 0 4.1,4.0
¶16153381
IDC Error ellipse: s-maj=37.8km s-min=20.9km az=95.0.
ISC IV 25 17 27 20.4–.93 30.54S–.08 177.9W–.20 46 4.3b 35 1-163
IDC IV 25 17 27 14.3–1.1 30.65S 177.90W 0 4.4,4.3 ¶13439088
ISCJB IV 25 17 27 18.2–1.8 30.64S–.09 177.9W–.30 46 4.3b,4.3s
NEIC IV 25 17 27 19.4–.80 30.61S 177.89W 35 4.4b,4.3s
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=20.7km az=122.0.
ISCJB Event type ke. Error ellipse: s-maj=40.6km s-min=7.7km az=15.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=13.2km az=111.0.
ISC IV 26 00 06 54.9–.24 30.21S–.04 178.51W–.04 145–1 5.4b 1413 1-172
SZGRF IV 26 00 06 39.5 29.03S 176.45W 33 5.4b ¶15153973
DJA IV 26 00 06 50.9–2.2 30S–6.0 179W–8.0 106–20 6.2,6.1b
AUST IV 26 00 06 51.5–.38 30.11S 178.26W 113–0 6.2,6.1b
NEIC IV 26 00 06 53.1–.56 30.30S 178.58W 132–4 6.1W,6.0W
BJI IV 26 00 06 53.4 29.95S 178.18W 143 5.9b,5.5b
ISCJB IV 26 00 06 53.3–.09 30.41S–.02 178.56W–.03 143 5.3b,5.5b
MOS IV 26 00 06 54.3–1.0 30.08S 178.57W 142 5.5b,5.5b
IDC IV 26 00 06 55.3–.62 30.08S 178.50W 145–5 5.2,5.2
GCMT IV 26 00 06 58.3–.10 30.19S 178.24W 152–0 6.1W,5.2
BGS IV 26 00 07 00.4–2.9 30.30S 178.58W 132 5.5b,5.2
ISC Event type se.
SZGRF Kermadec Islands region.
AUST Error ellipse: s-maj=0.9km s-min=0.7km az=312.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=137.0. Moment Tensor Solution. s39 Moment tensor: Scale 10^{18}Nm; M_{rr}0.22 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.18 $M_{r\theta}$0.41 $M_{\theta\phi}$-0.11 $M_{\phi r}$1.66 Best double couple: NP1:ϕ_s14.00000°,δ86.00000°,λ88.00000°. NP2:ϕ_s225.00000°,δ4.00000° ,λ120.00000°. Principal axes: T 1.7200,Plg48.0000°,Azm281.0000°; N 0.0000,Plg2.0000° ,Azm14.0000°; P -1.7300,Plg41.0000°,Azm106.0000° $M_0$1.70000×10^{18} Moment Tensor Solution. $M_0$3.10000×10^{18}
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=137.2.
MOS Error ellipse: s-maj=9.4km s-min=7.5km az=61.7.
IDC Error ellipse: s-maj=9.9km s-min=9.6km az=30.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=254, per= 50. Moment Tensor Solution. s111,c259; s84,c122; Moment tensor: Scale 10^{18}Nm; M_{rr}0.09±.01 $M_{\theta\theta}$-0.21±.01; $M_{\phi\phi}$0.12±.01; $M_{r\theta}$0.44±.01; $M_{\theta\phi}$-0.27±.01; $M_{\phi r}$1.70±.01; Best double couple: NP1:ϕ_s279.00000°,δ10.00000°,λ174.00000°. NP2:ϕ_s15.00000°,δ89.00000°,λ80.00000°. Principal axes: T 1.8100,Plg45.0000°,Azm275.0000°; N -0.0500,Plg10.0000°,Azm15.0000° ; P -1.7600,Plg43.0000°,Azm115.0000° $M_0$1.80000×10^{18}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC IV 26 04 18 44.7–2.0 30.67S 178.40W 0 4.1,3.9b
¶16154506
IDC Error ellipse: s-maj=57.4km s-min=35.9km az=44.0.
IDC IV 26 18 01 45.9–3.0 29.99S 177.25W 0 4.1s,4.1
¶16154527
IDC Error ellipse: s-maj=59.0km s-min=26.4km az=73.0.
IDC V 01 19 53 27.9–6.9 30.37S 178.24W 0 4.5,4.2
¶16154715
IDC Error ellipse: s-maj=281.3km s-min=56.5km az=155.0.
ISC V 03 14 01 20.8–.41 30.10S–.06 178.50W–.06 127–2 4.8b 213 1-163
ISCJB V 03 14 01 18.4–.31 30.67S–.04 178.50W–.07 125 4.8b ¶12750514
IDC V 03 14 01 19.9–.69 30.03S 178.58W 122–6 4.5,4.5
BJI V 03 14 01 20.1 30.06S 178.66W 122 5.2b,4.9b
NEIC V 03 14 01 21.0–.72 30.08S 178.57W 129–6 4.8b,4.9b
GCMT V 03 14 01 22.5–.40 30.03S 178.39W 128–5 4.9W,4.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.3km az=20.7.
IDC Error ellipse: s-maj=12.8km s-min=11.8km az=32.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.3km az=136.0.
GCMT Event type se. Data Used: IU G CN IC II. Moment Tensor Solution. s20,c23; s58,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}0.54±.16 $M_{\theta\theta}$-0.33±.19; $M_{\phi\phi}$-0.21±.20; $M_{r\theta}$-0.57±.10; $M_{\theta\phi}$-1.00±.19; $M_{\phi r}$-2.49±.11; Best double couple: NP1:ϕ_s85.00000°,δ20.00000°,λ161.00000°. NP2:ϕ_s194.00000°,δ83.00000°,λ71.00000°. Principal axes: T 2.7000,Plg48.0000° ,Azm83.0000°; N 0.1600,Plg19.0000°,Azm196.0000°; P -2.8600,Plg36.0000°,Azm300.0000° $M_0$2.80000×10^{16}
IDC V 04 06 17 08.4–5.1 29.45S 178.47W 0 3.9,3.7
¶16154887
IDC Error ellipse: s-maj=204.8km s-min=78.1km az=159.0.
IDC V 04 14 07 56.7–3.4 30.28S 177.62W 0 3.8,3.7
¶16154897
IDC Error ellipse: s-maj=73.2km s-min=28.2km az=114.0.
ISC V 06 13 45 39.4–1.1 30.16S–.07 177.8W–.20 35 4.5b 24 1-163
ISCJB V 06 13 45 39.7–1.1 30.10S–.07 178.0W–.20 35 4.4b ¶13678452
IDC V 06 13 45 41.3–1.8 29.90S 177.67W 55–21 4.2,4.0
NEIC V 06 13 45 42.3–1.4 29.78S 177.60W 67–10 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.5km s-min=9.3km az=12.0.
IDC Error ellipse: s-maj=38.1km s-min=25.4km az=34.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=16.8km az=99.0.
ISC V 10 07 20 00.9–.98 30.24S–.06 177.7W–.20 35 4.8b 40 1-163
IDC V 10 07 19 55.2–1.1 30.28S 177.58W 0 4.8,4.7 ¶13678656
NEIC V 10 07 19 59.8–.89 30.36S 177.46W 35 4.8b,4.7
ISCJB V 10 07 20 00.5–1.5 30.39S–.07 177.9W–.30 35 4.7b,4.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 10 12 21 37.6–2.9 30.14S 177.62W 0 4.1,3.9
¶16155590
IDC Error ellipse: s-maj=56.4km s-min=21.2km az=102.0.
IDC V 11 01 46 14.4–4.9 30.11S 177.85W 64–40 3.7,3.5
¶16155615
IDC Error ellipse: s-maj=73.1km s-min=51.5km az=142.0.
IDC V 11 22 29 37.2–5.1 30.19S 178.55W 0 3.5,3.4
¶16155653
IDC Error ellipse: s-maj=299.0km s-min=73.4km az=167.0.
ISC V 13 21 22 32.0–1.2 29.5S–.10 178.8W–.20 204 13 1-164
IDC V 13 21 22 31.4–.79 29.35S 178.54W 220–8 3.4,3.3 ¶16155723
ISCJB V 13 21 22 31.3–.94 29.35S–.08 179.0W–.10 204 3.1b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC V 14 07 25 29.0–1.0 30.89S–.06 177.0W–.10 35 4.1b 20 2-162
IDC V 14 07 25 24.7–1.3 30.68S 176.77W 0 4.3,4.1 ¶13439583
ISCJB V 14 07 25 27.4–.82 31.00S–.04 177.1W–.10 33 4.1b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC V 16 19 24 58.0–5.2 29.92S 177.77W 0 3.6,3.4
¶16155820
IDC Error ellipse: s-maj=306.2km s-min=73.4km az=166.0.
IDC V 17 15 09 08.2–1.9 30.76S 178.10W 0 4.3,4.2b
¶16155847
IDC Error ellipse: s-maj=43.6km s-min=40.8km az=30.0.
IDC V 20 10 17 04.9–1.4 30.36S 178.36W 54–7 4.1,4.0
¶16155945
IDC Error ellipse: s-maj=37.7km s-min=24.6km az=39.0.

IDC V 20 12 50 15.1–2.2 30.35S 178.22W 0 4.0,3.8
¶16155949
IDC Error ellipse: s-maj=58.6km s-min=36.2km az=36.0.
IDC V 20 15 38 45.0–6.6 30.70S 178.09W 0 3.9,3.7
¶16155960
IDC Error ellipse: s-maj=275.3km s-min=54.3km az=156.0.
IDC V 21 02 07 41.1–7.8 30.81S 178.39W 0 3.7,3.6
¶16683115
IDC Error ellipse: s-maj=325.5km s-min=61.4km az=156.0.
IDC V 21 19 39 35.6–4.9 30.28S 178.09W 0 4.1,4.0b
¶16156000
IDC Error ellipse: s-maj=182.1km s-min=48.0km az=150.0.
IDC V 22 16 26 25.0–7.8 30.22S 177.93W 0 3.8,3.5
¶16156027
IDC Error ellipse: s-maj=331.5km s-min=57.1km az=155.0.
IDC V 24 00 52 12.6–2.2 30.30S 178.02W 0 3.8,3.6
¶16156069
IDC Error ellipse: s-maj=63.4km s-min=36.1km az=43.0.
IDC V 24 01 52 34.1–5.9 30.94S 177.85W 0 4.0,3.8
¶16156075
IDC Error ellipse: s-maj=233.1km s-min=58.3km az=155.0.
IDC V 24 02 40 26.9–6.3 30.28S 178.10W 0 3.7,3.4
¶16156080
IDC Error ellipse: s-maj=247.6km s-min=59.5km az=155.0.
IDC V 24 02 48 13.6–2.0 30.35S 178.31W 0 3.7,3.6
¶16156081
IDC Error ellipse: s-maj=58.3km s-min=36.1km az=43.0.
IDC V 24 08 27 45.5–4.2 30.01S 177.96W 0 4.2,4.0
¶16156090
IDC Error ellipse: s-maj=161.4km s-min=66.1km az=159.0.
IDC V 24 08 37 18.5–6.9 30.37S 178.02W 0 4.1,3.8
¶16156091
IDC Error ellipse: s-maj=285.3km s-min=56.8km az=155.0.
IDC V 24 14 39 57.0–4.7 29.77S 178.29W 0 3.8,3.5
¶16156104
IDC Error ellipse: s-maj=220.3km s-min=74.1km az=165.0.
IDC V 24 15 13 52.1–5.6 30.70S 177.81W 0 4.0s,4.0
¶16156105
IDC Error ellipse: s-maj=212.4km s-min=54.4km az=152.0.
IDC V 24 17 46 05.4–4.8 29.77S 178.57W 0 3.6,3.4
¶16156112
IDC Error ellipse: s-maj=216.9km s-min=76.3km az=165.0.
IDC V 24 20 56 07.5–6.1 30.78S 177.79W 0 4.0,3.7
¶16156124
IDC Error ellipse: s-maj=246.7km s-min=55.9km az=155.0.
IDC V 24 23 29 56.2–2.0 30.33S 178.25W 0 4.2,4.0
¶16156126
IDC Error ellipse: s-maj=56.7km s-min=34.2km az=41.0.
IDC V 25 00 56 14.0–6.4 30.75S 178.01W 0 3.8,3.5
¶16156128
IDC Error ellipse: s-maj=251.0km s-min=62.4km az=155.0.
IDC V 25 13 10 45.9–2.1 30.58S 178.10W 0 4.0,3.9
¶16156148
IDC Error ellipse: s-maj=57.2km s-min=34.7km az=38.0.
IDC V 25 16 16 25.5–2.1 29.12S 177.59W 52–11 3.7,3.5
¶16156151
IDC Error ellipse: s-maj=47.0km s-min=31.8km az=170.0.
IDC V 26 01 52 47.9–7.2 30.52S 178.31W 0 4.1,3.9
¶16156169
IDC Error ellipse: s-maj=293.6km s-min=60.2km az=156.0.
IDC V 30 13 26 43.8–5.2 29.42S 177.36W 0 3.7,3.5
¶16066080
IDC Error ellipse: s-maj=254.5km s-min=79.7km az=164.0.
IDC V 31 16 20 31.6–2.6 29.98S 177.14W 0 4.2,4.0
¶16066123
IDC Error ellipse: s-maj=48.7km s-min=26.4km az=93.0.
ISC VI 02 07 41 36.2–.45 30.36S–.08 178.72W–.09 150 4.4b 90 1-163
IDC VI 02 07 41 37.2–.69 30.27S 178.77W 160–7 4.1,4.0 ¶13439877
NEIC VI 02 07 41 37.3–.88 30.27S 178.66W 164–7 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=13.7km az=99.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.7km az=137.0.
IDC VI 04 08 48 55.5–2.6 30.20S 177.03W 0 4.2,4.1
¶16100927
IDC Error ellipse: s-maj=47.9km s-min=21.4km az=85.0.
IDC VI 05 01 41 52.5–7.6 30.53S 178.88W 0 3.8,3.6
¶16100971
IDC Error ellipse: s-maj=309.7km s-min=63.2km az=156.0.
IDC VI 06 18 54 12.4–1.5 29.40S 178.59W 0 3.9,3.7
¶16101026
IDC Error ellipse: s-maj=180.9km s-min=12.9km az=169.0.
IDC VI 07 11 59 26.5–3.2 29.99S 177.30W 0 3.8,3.5
¶16101057
IDC Error ellipse: s-maj=66.2km s-min=26.6km az=73.0.
IDC VI 07 20 59 21.6–3.7 30.42S 177.66W 0 4.2,4.0
¶16101077
IDC Error ellipse: s-maj=82.1km s-min=31.6km az=118.0.
IDC VI 09 04 32 16.3–3.0 30.60S 177.68W 0 4.0,3.9
¶16101132
IDC Error ellipse: s-maj=65.4km s-min=21.2km az=105.0.
IDC VI 09 08 51 09.3–2.0 30.95S 178.13W 0 4.2,4.0
¶16101140
IDC Error ellipse: s-maj=57.1km s-min=33.3km az=45.0.
ISC VI 12 04 38 43.1–.38 30.52S–.06 178.52W–.09 124 4.7b 140 1-163
ISCJB VI 12 04 38 41.7–.34 30.62S–.04 178.58W–.08 124 4.5b ¶13440053
NEIC VI 12 04 38 46.2–.76 30.24S 178.46W 155–6 4.7b
IDC VI 12 04 38 46.2–.59 30.16S 178.44W 150–5 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=4.4km az=21.2.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.5km az=135.0.
IDC Error ellipse: s-maj=14.6km s-min=13.4km az=129.0.
IDC VI 14 02 46 15.2–2.3 30.64S 178.39W 0 4.2,3.9
¶16101301
IDC Error ellipse: s-maj=64.3km s-min=36.7km az=41.0.
ISC VI 14 09 44 56.9–1.6 30.3S–.10 177.8W–.20 46 4.2b 18 1-163
NEIC VI 14 09 44 55.7–1.2 30.29S 177.79W 35 4.3b ¶13681347
IDC VI 14 09 44 57.8–3.8 30.24S 177.92W 48–38 4.0,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=17.0km az=112.0.
IDC Error ellipse: s-maj=41.0km s-min=32.1km az=153.0.
IDC VI 16 16 22 37.9–7.2 30.67S 178.80W 0 3.8,3.6
¶16101411
IDC Error ellipse: s-maj=298.7km s-min=58.1km az=156.0.
ISC VI 17 11 45 39.0–.32 29.51S–.05 177.04W–.05 31 4.9b,4.4s 243 1-172
IDC VI 17 11 45 34.8–.56 29.20S 177.19W 0 4.9,4.8 ¶15156173
ISCJB VI 17 11 45 37.7–.24 29.67S–.04 177.10W–.05 31 4.9b,4.4s
BJI VI 17 11 45 38.9 29.40S 177.20W 35 5.4b,5.3b
AUST VI 17 11 45 38.2 28.88S 176.84W 35 5.4b,5.3b
NEIC VI 17 11 45 40.1–.19 29.35S 177.24W 35 4.9b,5.3b
GCMT VI 17 11 45 41.8–.40 29.27S 176.77W 31–1 5.0W,5.3b
DJA VI 17 11 46 16.2–6.0 30S–23 178W–36 329–53 4.8,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s31,c36; s47,c65; Moment tensor: Scale 10^{16}Nm; M_{rr}3.21±.23 $M_{\theta\theta}$-0.09±.16; $M_{\phi\phi}$-3.12±.15; $M_{r\theta}$-0.01±.23; $M_{\theta\phi}$-0.14±.13; $M_{\phi r}$2.13±.17; Best double couple: NP1:ϕ_s184.00000°,δ28.00000°,λ93.00000°. NP2:ϕ_s1.00000°,δ62.00000°,λ89.00000°. Principal axes: T 3.8600,Plg73.0000° ,Azm267.0000°; N -0.0900,Plg1.0000°,Azm2.0000°; P -3.7700,Plg17.0000°,Azm92.0000° $M_0$3.80000×10^{16}
ISC VI 17 21 00 02.0–.60 29.53S–.07 177.05W–.08 31 4.3b,4.1s 50 1-164

IDC VI 17 20 59 56.9–.77 29.52S 177.03W 0 4.4,4.2L ¶13598668
ISCJB VI 17 21 00 00.0–.84 29.67S–.06 177.0W–.10 31 4.3b,4.1s
NEIC VI 17 21 00 03.3–1.8 29.45S 177.20W 43–13 4.8b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=17.1km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=8.3km az=163.2.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=12.2km az=77.0.
IDC VI 19 13 32 20.2–1.1 29.91S 178.07W 68–14 4.3,4.1
¶16101502
IDC Error ellipse: s-maj=26.8km s-min=23.0km az=59.0.
ISC VI 20 01 06 19.6–1.2 30.33S–.09 177.8W–.20 46 4.6b 22 1-163
IDC VI 20 01 06 20.4–4.1 30.27S 177.88W 51–33 4.4,4.2 ¶13681687
ISCJB VI 20 01 06 21.2–1.1 30.1S–.10 178.5W–.20 33 4.5b,4.2
NEIC VI 20 01 06 23.9–1.9 29.90S 178.03W 75–17 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=43.5km s-min=27.1km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=27.6km s-min=8.6km az=42.5.
NEIC Event type se. Error ellipse: s-maj=35.4km s-min=24.2km az=178.0.
ISC VI 21 05 09 23.7–.67 30.34S–.07 178.0W–.20 46 4.6b 52 1-163
IDC VI 21 05 09 16.3–.93 30.51S 177.78W 0 4.7,4.5b ¶13383526
ISCJB VI 21 05 09 22.8–.88 30.29S–.08 178.1W–.20 46 4.5b,3.6s
NEIC VI 21 05 09 22.2–.58 30.30S 177.93W 35 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=22.2km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=8.6km az=20.9.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=13.2km az=113.0.
IDC VI 24 12 10 09.4–2.5 30.77S 178.37W 0 4.0,3.8
¶16101693
IDC Error ellipse: s-maj=65.4km s-min=23.7km az=124.0.
IDC VI 25 15 52 27.0–2.2 29.44S 177.52W 78–8 3.5,3.3
¶16101719
IDC Error ellipse: s-maj=39.7km s-min=25.5km az=98.0.
IDC VI 27 01 35 38.0–4.9 29.32S 178.27W 0 4.1,3.8
¶16101767
IDC Error ellipse: s-maj=202.1km s-min=80.7km az=164.0.
IDC VI 27 14 55 52.6–3.0 30.80S 177.88W 0 3.8,3.6
¶16101788
IDC Error ellipse: s-maj=70.9km s-min=45.2km az=123.0.
IDC VI 28 05 05 20.4–2.8 30.17S 177.45W 0 4.1,4.0
¶16101810
IDC Error ellipse: s-maj=57.8km s-min=26.8km az=100.0.
IDC VI 28 14 29 22.3–.39 29.08S 178.43W 186–4 4.1,4.0
¶13383587
IDC Error ellipse: s-maj=15.0km s-min=12.7km az=89.0.
ISC VI 28 21 46 03.3–.54 30.23S–.05 177.7W–.10 35 4.5b,3.3s 72 1-163
IDC VI 28 21 45 58.2–.71 30.09S 177.48W 0 4.4,4.3 ¶13682217
ISCJB VI 28 21 46 01.9–.55 30.35S–.05 177.7W–.10 35 4.4b,3.5s
NEIC VI 28 21 46 03.0–.36 30.30S 177.59W 35 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=15.9km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=6.4km az=8.3.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.8km az=97.0.
ISC VI 28 23 25 01.5–.56 29.94S–.06 177.6W–.10 35 4.6b 79 1-163
IDC VI 28 23 24 56.0–.66 29.88S 177.46W 0 4.5,4.4 ¶13383593
NEIC VI 28 23 24 59.6–3.5 29.87S 177.49W 24–23 4.7b,4.4
ISCJB VI 28 23 25 01.0–.64 30.03S–.04 177.8W–.10 33 4.4b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VI 30 08 47 56.9–.73 29.88S–.08 179.0W–.10 315 3.8b 60 1-163
AUST VI 30 08 47 48.0 28.49S 178.04W 450 3.8b ¶13383609
ISCJB VI 30 08 47 57.1–.52 29.84S–.05 179.1W–.10 315 3.8b
IDC VI 30 08 47 59.1–.49 29.54S 178.94W 313–5 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=5.2km az=17.5.
IDC Error ellipse: s-maj=19.5km s-min=17.6km az=105.0.

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ISC I 03 03 23 16.2–.67 32.07S–.08 178.6W–.10 45 4.7b,3.9s 63 6-161
ISCJB I 03 03 23 14.3–.85 32.15S–.05 178.6W–.10 45 4.6b,3.9s ¶13404558
NEIC I 03 03 23 16.8–3.4 31.95S 178.50W 55–27 4.6b,3.9s
IDC I 03 03 23 16.1–6.7 31.80S 178.59W 40–55 4.7L,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=6.7km az=2.4.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=13.4km az=220.0.
IDC Error ellipse: s-maj=36.5km s-min=22.8km az=43.0.
WEL I 05 16 20 54.6–.41 34.89S 178.52E 220–4 4.2L
¶11752014
WEL Event type ke. Error ellipse: s-maj=12.1km s-min=5.5km az=90.0.
ISC I 07 08 40 41.8–.27 32.36S–.04 179.88W–.04 246–1 5.1b 553 4-172
DJA I 07 08 40 15 32.27S 179.29W 10 5.4b ¶13404649
ISCJB I 07 08 40 39.6–.39 32.36S–.03 179.96W–.04 227–4 5.0b
MOS I 07 08 40 41.5–1.0 32.18S 179.98W 247 5.4b
NEIC I 07 08 40 41.9–.79 32.32S 179.89W 246–7 5.2b
IDC I 07 08 40 44.1–.64 32.10S 179.85W 265–5 4.6,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.7km az=36.8.
MOS Error ellipse: s-maj=11.9km s-min=10.1km az=60.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.6km az=142.0.
IDC Error ellipse: s-maj=8.8km s-min=7.2km az=162.0.
ISC I 07 08 49 06.2–.39 33.91S–.05 178.04W–.06 46–2 4.6b,3.9s 174 5-163
ISCJB I 07 08 49 05.3–.97 34.04S–.05 178.18W–.07 42–8 4.7b,3.9s ¶13404651
NEIC I 07 08 49 06.6–.31 33.72S 177.97W 46 4.9b,3.9s
IDC I 07 08 49 07.1–.46 33.59S 178.06W 46–3 4.5,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=7.1km az=33.8.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.3km az=143.0.
IDC Error ellipse: s-maj=15.6km s-min=11.6km az=5.0.
ISC I 09 23 48 00.8–1.6 32.8S–.10 178.8W–.30 32 12 6-160
IDC I 09 23 47 55.9–1.8 32.62S 178.67W 0 4.2,3.9b ¶12080902
ISCJB I 09 23 48 00.9–3.8 32.90S–.10 179.0W–.60 32 3.7b,3.9b
ISC Event type ke.
ISCJB Event type ke.
IDC I 12 12 11 26.0–5.8 32.60S 179.18W 0 3.8,3.6
¶12081105
IDC Error ellipse: s-maj=248.7km s-min=56.5km az=160.0.
ISC I 18 02 54 55.0–.62 32.62S–.05 179.19W–.09 35 4.8b 87 5-161
IDC I 18 02 54 48.6–.70 32.41S 178.90W 0 4.5,4.4 ¶13405811
NEIC I 18 02 54 54.8–2.9 32.56S 179.02W 41–24 4.8b,4.4
ISCJB I 18 02 54 57.1–.67 32.74S–.03 179.8W–.10 33 4.7b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 20 06 26 53.6–2.5 32.06S 179.16E 636–30 3.6,3.5b
¶12081841
IDC Error ellipse: s-maj=45.0km s-min=16.5km az=167.0.
ISC I 22 10 27 47.7–2.8 33.5S–.20 177.9W–.40 34 15 5-148
IDC I 22 10 27 53.6–6.5 31.56S 179.58W 0 3.9,3.6b ¶12082045
ISC Event type ke.
IDC Error ellipse: s-maj=262.8km s-min=60.4km az=158.0.
ISC I 23 03 09 45.9–1.8 32.27S–.10 179.4E–.20 372 3.5b 22 5-146
IDC I 23 03 08 57.5–4.2 31.63S 178.79W 0 4.2,4.1b ¶12082095
ISCJB I 23 03 09 44.7–1.4 32.17S–.07 179.4E–.20 372 3.4b,4.1b
ISC Event type ke.
ISCJB Event type ke.
ISC I 24 09 41 16.4–2.3 33.2S–.10 179.5E–.30 150 3.8b 24 4-147
IDC I 24 09 41 12.2–13 33.17S 179.98E 111–107 4.6L,3.9 ¶12082210
ISC Event type ke.
IDC Error ellipse: s-maj=91.0km s-min=29.8km az=47.0.
ISC I 24 12 33 59.5–2.5 33.2S–.50 178.4W–.80 34 7 6-148
ISCJB I 24 12 33 54.4–3.0 33.1S–.10 178.2W–.50 34 3.5b ¶12082217
IDC I 24 12 33 56.7–5.8 32.10S 178.89W 0 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=58.3km s-min=12.3km az=14.9.
IDC Error ellipse: s-maj=243.4km s-min=57.0km az=159.0.
ISC I 25 11 45 02.2–2.1 32.7S–.10 177.8W–.20 20 12 6-147
IDC I 25 11 45 05.7–5.7 30.97S 178.96W 0 3.9,3.7b ¶12082303
ISC Event type ke.
IDC Error ellipse: s-maj=222.1km s-min=59.4km az=156.0.
IDC I 26 16 47 36.5–13 33.81S 179.93E 264–127 3.4,3.2
¶12082389
IDC Error ellipse: s-maj=92.9km s-min=49.3km az=20.0.
ISC I 26 17 19 35.9–1.4 33.7S–.20 179.5E–.20 35 4.5b 17 5-159
IDC I 26 17 19 28.9–1.9 33.46S 179.92E 0 4.8,4.6 ¶12082391
ISCJB I 26 17 19 35.8–2.0 33.9S–.20 179.3E–.30 33 4.4b,4.6
NEIC I 26 17 19 35.1–1.0 33.71S 179.63E 35 4.6b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=62.2km s-min=28.1km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=33.5km s-min=18.7km az=153.9.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=17.0km az=46.0.
ISC I 29 14 36 23.1–.61 33.61S–.08 178.9W–.10 41 4.7b,4.1s 73 5-160
IDC I 29 14 36 17.2–.70 33.38S 178.67W 0 4.6,4.4 ¶13434076
NEIC I 29 14 36 20.6–6.1 33.49S 178.72W 23–39 4.8b,4.4
ISCJB I 29 14 36 23.5–.78 33.78S–.04 179.1W–.10 41 4.5b,4.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 31 05 17 07.1–3.3 33.05S 178.80W 0 4.1,3.8b
¶12082788
IDC Error ellipse: s-maj=175.4km s-min=49.7km az=166.0.
ISC II 01 01 43 56.6–2.2 33.1S–.10 179.4E–.30 400 13 5-147
IDC II 01 01 43 12.7–5.9 30.96S 179.63W 0 4.3,4.0b ¶15954807
ISCJB II 01 01 43 55.3–2.5 33.0S–.10 179.4E–.40 400 3.5b,4.0b
ISC Event type ke.
ISCJB Event type ke.
ISC II 03 16 31 55.8–1.3 33.41S–.09 179.7E–.20 300 58 4-151
NEIC II 03 16 31 54.7–3.4 33.41S 179.89E 302–35 4.5b ¶12699478
IDC II 03 16 31 54.8–13 33.50S 179.92E 301–124 4.0,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=45.7km s-min=24.7km az=189.0.
IDC Error ellipse: s-maj=82.4km s-min=41.8km az=27.0.
ISC II 03 20 12 12.7–2.0 32.4S–.10 179.5E–.30 372 20 5-146
IDC II 03 20 11 30.6–4.7 30.21S 179.45W 0 3.6,3.4 ¶15954970
ISC Event type ke.
IDC Error ellipse: s-maj=207.7km s-min=75.3km az=166.0.
ISC II 05 07 45 58.2–1.1 33.29S–.08 179.5W–.10 35 4.1b 48 5-160
IDC II 05 07 45 51.0–1.4 32.75S 178.95W 0 4.3,4.1 ¶15955057
ISC Event type ke.
IDC Error ellipse: s-maj=47.3km s-min=29.5km az=38.0.
ISC II 05 08 02 12.1–1.7 33.3S–.10 179.3E–.20 300 68 4-160
IDC II 05 08 01 37.6–2.1 32.75S 179.32W 0 4.2,3.9 ¶15955059
ISC Event type ke.
IDC Error ellipse: s-maj=76.7km s-min=45.0km az=21.0.
IDC II 06 08 45 41.1–4.1 33.45S 179.00W 0 3.9,3.7
¶15955136
IDC Error ellipse: s-maj=258.7km s-min=54.1km az=169.0.
IDC II 08 22 24 37.5–11 32.46S 179.53E 546–112 3.5,3.4
¶15955232
IDC Error ellipse: s-maj=84.8km s-min=19.7km az=59.0.
ISC II 12 23 11 45.5–.68 33.09S–.08 178.9W–.10 45 4.6b,3.6s 74 5-160
NEIC II 12 23 11 44.4–.70 32.64S 178.76W 35 4.8b,3.6s ¶12700404
ISCJB II 12 23 11 46.8–.95 33.23S–.05 179.5W–.20 33 4.7b,3.5s
IDC II 12 23 12 03.4–8.0 32.85S 179.43W 184–69 4.1,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=12.5km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=6.6km az=7.1.
IDC Error ellipse: s-maj=32.4km s-min=20.4km az=66.0.
ISC II 14 00 14 02.4–1.9 32.8S–.10 180.0E–.30 35 20 5-151
IDC II 14 00 13 56.0–5.6 31.30S 179.58W 0 3.8,3.6 ¶15956018
ISCJB II 14 00 14 01.6–2.3 32.92S–.08 179.9E–.40 33 3.2b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC II 14 02 43 13.7–2.0 32.0S–.10 179.1E–.30 400 18 6-146
IDC II 14 02 42 23.3–10 31.27S 179.01W 0 3.8,3.6 ¶15956026
ISCJB II 14 02 43 12.3–1.9 31.9S–.10 179.3E–.30 400 3.0b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC II 15 00 07 37.0–2.8 34.6S–.20 178.4W–.40 35 12 4-149
ISCJB II 15 00 07 32.4–1.4 34.5S–.10 178.2W–.20 33 3.6b ¶15956108
IDC II 15 00 07 41.3–5.8 33.52S 179.85W 0 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=12.1km az=33.2.
IDC Error ellipse: s-maj=253.8km s-min=61.8km az=162.0.
ISC II 15 21 14 26.4–.53 33.28S–.05 179.43W–.09 55 4.9b 97 4-160
NEIC II 15 21 14 23.5–1.0 33.01S 179.20W 42–8 4.8b ¶12700834
ISCJB II 15 21 14 24.8–.60 33.28S–.03 179.5W–.10 55 4.9b
IDC II 15 21 14 39.5–3.1 32.90S 179.63W 165–26 4.5,4.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.6km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=4.5km az=7.5.
IDC Error ellipse: s-maj=23.5km s-min=14.3km az=29.0.
ISC II 16 01 19 11.9–3.4 34.5S–.20 179.3W–.30 340 3.4b 63 4-159
IDC II 16 01 18 51.1–1.9 32.89S 179.63W 0 4.3,4.2 ¶15956234
ISC Event type ke.
IDC Error ellipse: s-maj=58.5km s-min=30.3km az=44.0.
ISC II 16 23 35 22.1–.42 34.96S–.04 179.79W–.07 39 4.5b,4.2s 121 3-158
ISCJB II 16 23 35 19.9–.62 34.96S–.04 179.61W–.09 39 4.5b,4.2s ¶11789785
NEIC II 16 23 35 21.4–1.6 34.86S 179.71W 39–13 4.8b,4.2s
IDC II 16 23 35 27.5–3.1 34.48S 179.83W 83–26 4.4s,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=5.3km az=12.3.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=13.0km az=83.0.
IDC Error ellipse: s-maj=24.0km s-min=15.1km az=12.0.
WEL II 19 11 50 01.3–.28 34.92S 178.32E 231–5 4.0L
NEIC II 19 11 50 03.0 35.02S 178.14E 222 4.0 ¶12083315
WEL Event type ke. Error ellipse: s-maj=6.4km s-min=5.9km az=90.0.
NEIC Event type se. After WEL.
ISC II 22 22 37 37.6–2.3 33.1S–.20 178.6E–.20 100 29 4-147
IDC II 22 22 37 28.6–6.1 31.90S 179.08E 0 3.9,3.7 ¶15956977
ISC Event type ke.
IDC Error ellipse: s-maj=236.6km s-min=61.9km az=158.0.
IDC II 24 22 45 47.0–5.5 33.77S 179.41W 0 4.0,3.8
¶15957187
IDC Error ellipse: s-maj=247.5km s-min=56.9km az=163.0.
IDC III 01 09 04 52.6–1.5 34.53S 178.93W 0 4.3,4.2
¶12702174
IDC Error ellipse: s-maj=47.8km s-min=30.3km az=38.0.
IDC III 01 09 14 05.1–7.0 33.94S 179.34W 0 3.7,3.5
¶12702176
IDC Error ellipse: s-maj=320.7km s-min=65.2km az=163.0.
ISC III 01 09 17 41.3–1.4 34.9S–.20 179.0W–.20 42 4.3b 17 5-158
IDC III 01 09 17 34.7–1.8 34.65S 178.94W 0 4.4,4.2b ¶12702177
ISCJB III 01 09 17 39.9–1.8 34.9S–.20 179.1W–.30 42 4.3b,4.2b
NEIC III 01 09 17 39.9–1.1 34.78S 178.96W 35 4.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=29.6km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=31.3km s-min=21.4km az=154.3.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=18.4km az=220.0.
IDC III 01 09 20 44.0–2.2 34.45S 178.91W 0 4.3,4.1b
¶12702179
IDC Error ellipse: s-maj=64.0km s-min=34.4km az=45.0.
ISC III 01 19 11 56.4–.42 34.93S–.07 179.12W–.07 35–4 5.1b,4.4s 205 4-163

BJI III 01 19 11 46.8 35.18S 178.30W 13 5.7b,5.5b ¶13435308
ISCJB III 01 19 11 52.0–2.1 35.07S–.06 179.04W–.09 22–14 5.0b,4.4s
NEIC III 01 19 11 54.8–.50 35.04S 178.93W 35 5.0b,4.4s
IDC III 01 19 11 57.6–.47 34.72S 179.32W 36–2 4.6,4.5b
GCMT III 01 19 11 59.0–.30 34.76S 178.68W 25–1 5.2W,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.6km az=32.9.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.6km az=121.0.
IDC Error ellipse: s-maj=17.3km s-min=13.1km az=4.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c68; s78,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}4.13±.19 $M_{\theta\theta}$-0.52±.13; $M_{\phi\phi}$-3.61±.13; $M_{r\theta}$1.30±.27; $M_{\theta\phi}$-1.15±.10; $M_{\phi r}$5.33±.36; Best double couple: NP1:ϕ_s202.00000°,δ18.00000°,λ97.00000°. NP2:ϕ_s15.00000°,δ72.00000°,λ88.00000°. Principal axes: T 6.9000,Plg63.0000° ,Azm281.0000°; N -0.1600,Plg2.0000°,Azm15.0000°; P -6.7500,Plg27.0000°,Azm106.0000° M_o6.80000×10^{16}
IDC III 01 19 44 37.4–8.3 34.64S 179.54W 128–68 4.3,4.1s
¶11938319
IDC Error ellipse: s-maj=34.4km s-min=23.1km az=68.0.
IDC III 06 22 17 27.3–22 33.19S 179.06W 220–189 3.9,3.7
¶12702595
IDC Error ellipse: s-maj=104.7km s-min=27.5km az=56.0.
IDC III 07 11 09 00.6–2.3 32.38S 179.71W 0 4.1,3.9b
¶12702638
IDC Error ellipse: s-maj=66.4km s-min=33.1km az=44.0.
IDC III 07 14 33 03.8–26 32.68S 179.63E 296–243 3.8,3.7b
¶12702645
IDC Error ellipse: s-maj=129.4km s-min=21.2km az=57.0.
IDC III 08 08 56 06.7–38 33.21S 179.71W 0 3.8,3.7b
¶12702704
IDC Error ellipse: s-maj=684.1km s-min=90.9km az=103.0.
IDC III 08 08 56 10.6–27 33.79S 176.61W 0 3.9,3.8b
¶12702705
IDC Error ellipse: s-maj=506.8km s-min=91.2km az=102.0.
IDC III 09 14 36 07.2–7.4 34.19S 179.40E 0 3.9,3.8b
¶12702801
IDC Error ellipse: s-maj=218.3km s-min=52.2km az=149.0.
IDC III 12 01 15 34.7–5.1 34.83S 179.77W 0 4.1,3.9b
¶12703037
IDC Error ellipse: s-maj=230.7km s-min=57.3km az=165.0.
IDC III 12 23 35 45.7–27 34.81S 178.34E 464–260 3.5,3.4b
¶12703117
IDC Error ellipse: s-maj=169.7km s-min=43.0km az=78.0.
IDC III 14 19 13 25.1–2.1 33.93S 178.14W 83–8 3.6,3.5b
¶12703286
IDC Error ellipse: s-maj=48.8km s-min=19.7km az=123.0.
ISC III 15 19 47 04.0–.63 33.58S–.09 178.0W–.10 34 4.2b 42 6-162
ISCJB III 15 19 47 02.4–.82 33.53S–.09 178.2W–.10 34 4.2b,3.5s ¶12703374
IDC III 15 19 47 06.2–2.8 33.57S 178.25W 51–23 4.3,4.0b
NEIC III 15 19 47 12.1–3.2 33.77S 178.29W 105–26 4.5b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=11.5km az=35.3.
IDC Error ellipse: s-maj=23.2km s-min=14.9km az=160.0.
NEIC Event type se. Error ellipse: s-maj=33.7km s-min=19.9km az=56.0.
IDC III 17 04 02 04.9–2.8 32.55S 178.38W 0 4.0,3.8b
¶12703488
IDC Error ellipse: s-maj=69.0km s-min=43.6km az=127.0.
IDC III 17 04 59 38.1–2.9 32.63S 178.55W 0 4.0,3.8b
¶12703495
IDC Error ellipse: s-maj=70.2km s-min=44.9km az=122.0.
ISC III 18 16 23 51.2–.35 32.98S–.05 179.65E–.04 258–2 5.0b 411 4-176
AUST III 18 16 23 47.0 33.18S 179.55E 200 5.0b ¶15153268
ISCJB III 18 16 23 48.6–.64 33.13S–.04 179.51E–.04 237–6 4.8b
MOS III 18 16 23 49.5–1.1 33.04S 179.53E 252 5.3b
BJI III 18 16 23 50.0 33.10S 179.60E 250 5.0b,4.7b
IDC III 18 16 23 52.3–.52 32.97S 179.59E 269–4 4.6,4.5
GCMT III 18 16 23 52.3–.30 32.98S 179.80E 254–2 5.1W,4.5
NEIC III 18 16 23 52.2–.23 32.99S 179.55E 267 5.1b,4.5
DJA III 18 16 23 57.1–1.9 33S–8.0 180E–6.0 319–25 5.5b,5.1b
ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s43,c49; s74,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.14±.19 $M_{\theta\theta}$-0.95±.24; $M_{\phi\phi}$4.08±.23; $M_{r\theta}$-1.53±.19; $M_{\theta\phi}$0.78±.19; $M_{\phi r}$4.76±.19; Best double couple: NP1:ϕ_s34.00000°,δ24.00000°,λ-45.00000°. NP2:ϕ_s167.00000°,δ73.00000°,λ-107.00000°. Principal axes: T 6.4400,Plg26.0000° ,Azm270.0000°; N -0.3700,Plg17.0000°,Azm172.0000°; P -6.0800,Plg58.0000° ,Azm53.0000° M_o6.30000×10^{16}
NEIC Event type se.
IDC III 19 22 46 57.5–1.6 33.25S 179.06W 0 4.0,3.8b
¶12703740
IDC Error ellipse: s-maj=43.8km s-min=39.0km az=136.0.
IDC III 20 19 50 07.5–2.6 33.35S 178.58W 0 4.3,4.1L
¶12703852
IDC Error ellipse: s-maj=64.7km s-min=35.7km az=119.0.
IDC III 22 05 46 26.8–2.5 33.45S 178.55W 0 4.1,4.0b
¶12635266
IDC Error ellipse: s-maj=66.0km s-min=31.7km az=125.0.
IDC III 22 10 49 58.4–3.1 33.23S 178.50W 0 4.2,4.0L
¶12635280
IDC Error ellipse: s-maj=71.4km s-min=45.3km az=123.0.
ISC III 22 12 54 31.3–.47 33.59S–.08 178.53W–.09 41 4.9b,4.1s 100 6-160
ISCJB III 22 12 54 30.0–.66 33.70S–.08 178.6W–.10 41 4.7b,4.1s ¶15153360
IDC III 22 12 54 30.9–8.6 33.50S 178.69W 33–61 4.6,4.6L
NEIC III 22 12 54 33.1–1.9 33.75S 178.61W 56–15 4.9b,4.6L
AUST III 22 12 54 59.9–2.5 34.05S 179.10E 164–0 4.9b,4.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=9.9km az=40.1.
IDC Error ellipse: s-maj=28.2km s-min=20.7km az=48.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=12.4km az=215.0.
AUST Error ellipse: s-maj=2.8km s-min=1.4km az=26.0.
IDC III 22 13 02 08.3–2.9 33.45S 178.68W 0 4.0,3.8b
¶12635286
IDC Error ellipse: s-maj=67.5km s-min=35.3km az=119.0.
ISC III 22 20 01 27.9–.42 33.49S–.09 178.71W–.08 50 4.8b,4.3s 131 4-162
ISCJB III 22 20 01 26.8–.56 33.58S–.07 178.86W–.09 50 4.6b,4.3s ¶12599204
IDC III 22 20 01 29.2–2.7 33.35S 178.74W 59–23 4.4,4.4
MOS III 22 20 01 31.9–1.5 33.44S 179.08W 83 5.0b,4.4
NEIC III 22 20 01 33.7–1.3 33.92S 179.03W 103–10 5.1b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=9.2km az=22.6.
IDC Error ellipse: s-maj=19.4km s-min=13.6km az=14.0.
MOS Error ellipse: s-maj=25.4km s-min=14.9km az=24.4.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.1km az=144.0.
IDC III 23 20 19 05.8–2.2 33.48S 178.42W 0 4.2,4.0b
¶12635415
IDC Error ellipse: s-maj=58.5km s-min=33.1km az=130.0.
IDC III 24 02 28 56.5–3.1 33.40S 178.62W 0 3.9,3.7b
¶12635440
IDC Error ellipse: s-maj=71.5km s-min=36.3km az=116.0.
IDC III 24 08 48 53.0–3.2 33.51S 178.72W 0 4.1,3.9
¶12635453
IDC Error ellipse: s-maj=71.5km s-min=36.4km az=116.0.
IDC III 29 23 10 15.7–1.7 34.70S 179.75W 0 4.3,4.1
¶12635895
IDC Error ellipse: s-maj=43.7km s-min=33.2km az=62.0.
ISC III 30 02 15 31.1–1.5 32.3S–.10 179.9E–.20 250 3.7b 10 6-146
IDC III 30 02 15 28.1–5.7 32.11S 179.90W 231–45 3.6,3.5b ¶12635904
ISCJB III 30 02 15 30.3–1.2 32.2S–.10 179.9E–.20 250 3.6b,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 01 08 08 44.1–2.6 33.7S–.20 178.8W–.40 41 10 5-148
IDC IV 01 08 08 38.6–3.2 33.57S 178.75W 0 4.2,4.0 ¶16152216
ISCJB IV 01 08 08 43.0–2.8 33.7S–.10 178.8W–.40 41 3.8b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IV 01 20 17 55.3–.51 34.03S–.06 178.99W–.08 50 4.5b,4.0s 122 4-162
IDC IV 01 20 17 48.0–.69 33.86S 178.88W 0 4.6,4.6 ¶15153511
NEIC IV 01 20 17 53.0–2.4 33.84S 178.78W 36–18 4.7b,4.6
ISCJB IV 01 20 17 54.5–.61 34.22S–.03 179.08W–.10 50 4.4b,4.0s
AUST IV 01 20 17 59.3 34.58S 179.08W 60 4.4b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=17.6km az=78.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=11.1km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=4.4km az=11.5.
ISC IV 01 20 33 37.7–2.4 34.0S–.20 178.8W–.40 37 11 5-148
IDC IV 01 20 33 33.1–2.9 33.91S 178.85W 0 4.2,3.9 ¶16152241
ISCJB IV 01 20 33 35.2–2.5 34.0S–.10 178.7W–.40 37 3.7b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC IV 01 22 46 46.5–3.0 33.78S 178.59W 0 4.1,4.0
¶16152244
IDC Error ellipse: s-maj=71.9km s-min=35.7km az=121.0.
ISC IV 02 01 20 47.1–3.3 34.3S–.30 178.3W–.50 51 9 5-149
IDC IV 02 01 20 45.5–2.9 34.06S 179.02W 0 4.0,3.8 ¶16152249
ISC Event type ke.
IDC Error ellipse: s-maj=69.5km s-min=35.7km az=120.0.
ISC IV 02 01 44 41.1–2.9 33.9S–.20 178.6W–.40 37 10 5-148
ISCJB IV 02 01 44 39.9–3.1 33.9S–.10 178.7W–.50 37 3.4s,3.4b ¶16152252
IDC IV 02 01 44 39.2–2.9 33.68S 179.06W 0 4.0L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=57.8km s-min=15.6km az=13.6.
IDC Error ellipse: s-maj=70.2km s-min=35.6km az=116.0.
ISC IV 02 14 39 14.3–1.1 33.56S–.08 179.1W–.10 48 4.0b 30 5-160
IDC IV 02 14 39 07.3–1.2 33.21S 179.07W 0 4.2,4.1 ¶12934315
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=25.5km az=44.0.
ISC IV 03 18 01 22.4–2.4 33.2S–.20 176.2W–.40 35 13 6-148
IDC IV 03 18 01 15.9–3.2 32.49S 176.17W 0 3.6,3.5 ¶16152324
ISC Event type ke.
IDC Error ellipse: s-maj=87.9km s-min=44.3km az=133.0.
ISC IV 04 22 27 57.1–2.6 34.2S–.20 178.8W–.40 50 3.6b 13 4-148
IDC IV 04 22 27 54.7–1.7 33.96S 179.37W 0 3.8,3.7 ¶16152392
ISCJB IV 04 22 27 57.2–2.1 34.2S–.10 179.0W–.30 50 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC IV 07 19 20 49.5–3.2 34.31S 179.08W 0 4.0,3.9
¶16152517
IDC Error ellipse: s-maj=72.3km s-min=36.7km az=118.0.
IDC IV 11 18 51 28.9–2.8 32.77S 178.47W 0 3.7,3.7L
¶16152677
IDC Error ellipse: s-maj=69.7km s-min=43.3km az=126.0.
ISC IV 14 21 01 10.4–1.3 33.7S–.20 178.6W–.30 41 17 5-160
IDC IV 14 21 01 04.6–1.4 33.66S 178.64W 0 4.4,4.3 ¶12935238
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=31.6km az=123.0.
IDC IV 14 22 09 47.9–1.6 33.63S 178.75W 0 4.3,4.2
¶16152793
IDC Error ellipse: s-maj=52.6km s-min=34.0km az=119.0.
ISC IV 15 02 31 53.0–1.4 33.7S–.20 178.7W–.30 41 16 5-160
IDC IV 15 02 31 47.4–1.6 33.62S 178.67W 0 4.3,4.3L ¶16152801
ISC Event type ke.
IDC Error ellipse: s-maj=50.6km s-min=33.9km az=120.0.
ISC IV 19 11 14 20.2–.52 32.30S–.06 178.59W–.10 33 4.6b,3.6s 89 3-161
IDC IV 19 11 14 15.2–.64 32.05S 178.67W 0 4.7,4.6L ¶15153822
ISCJB IV 19 11 14 19.2–.47 32.40S–.04 178.76W–.10 33 4.6b,3.7s
AUST IV 19 11 14 19.7–.04 32.48S 178.22W 40–0 4.6b,3.7s
NEIC IV 19 11 14 23.1–1.3 32.18S 178.59W 56–11 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=21.8km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=4.3km az=15.4.
AUST Error ellipse: s-maj=1.9km s-min=0.9km az=281.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.1km az=121.0.
IDC IV 20 08 57 25.0–3.2 33.95S 179.34E 0 3.7,3.6L
¶16153125
IDC Error ellipse: s-maj=68.8km s-min=35.4km az=97.0.
ISC IV 21 13 07 00.9–.63 32.29S–.07 178.7W–.10 33 4.3b 55 3-161
IDC IV 21 13 06 55.5–.85 32.12S 178.58W 0 4.4,4.3L ¶12935867
ISCJB IV 21 13 07 00.2–.75 32.37S–.05 178.8W–.10 33 4.3b,4.3L
NEIC IV 21 13 07 04.5–1.3 32.21S 178.66W 65–11 4.9b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=23.3km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=6.7km az=13.5.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=11.9km az=122.0.
ISC IV 23 13 14 35.5–1.5 33.44S–.10 179.9W–.20 79 32 4-160
IDC IV 23 13 14 35.9–8.4 33.35S 179.81W 79–66 3.9L,3.5 ¶16153303
ISC Event type ke.
IDC Error ellipse: s-maj=77.3km s-min=37.3km az=36.0.
ISC IV 24 20 17 13.5–1.6 32.41S–.09 178.9E–.20 372 3.6b 51 6-146
IDC IV 24 20 17 10.1–3.6 32.40S 179.68E 395–35 3.5,3.4 ¶16153349
ISCJB IV 24 20 17 12.8–.99 32.33S–.05 178.8E–.20 372 3.4b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC IV 24 21 25 08.7–1.3 32.57S 177.66W 0 4.3,4.1b
¶16153350
IDC Error ellipse: s-maj=62.0km s-min=36.2km az=10.0.
ISC IV 25 12 52 57.1–.68 33.44S–.07 179.45W–.10 100 4.7b 78 4-160
NEIC IV 25 12 52 50.1–.51 32.83S 179.22W 35 4.9b ¶15153943
AUST IV 25 12 52 56.6 33.58S 179.20W 100 4.9b
ISCJB IV 25 12 52 56.2–.59 33.34S–.03 179.48W–.09 100 4.7b
IDC IV 25 12 53 02.7–2.2 32.95S 179.54W 140–19 4.4,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.4km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=3.9km az=5.6.
IDC Error ellipse: s-maj=18.6km s-min=11.8km az=25.0.
ISC IV 26 22 54 54.0–1.1 32.20S–.09 178.6W–.20 33 4.5b 23 7-153
IDC IV 26 22 54 48.5–1.1 31.87S 178.51W 0 4.6,4.5b ¶12936201
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=29.7km az=34.0.
ISC IV 28 17 41 55.2–2.1 33.9S–.10 180.0E–.30 53 21 4-148
IDC IV 28 17 41 44.3–3.2 33.41S 179.29W 0 4.0L,3.7 ¶16154592
ISCJB IV 28 17 41 55.0–1.7 33.98S–.07 179.8E–.30 53 3.2b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IV 30 13 28 16.6–1.1 33.36S–.10 179.2E–.20 250 38 5-160
IDC IV 30 13 28 15.4–5.2 33.32S 179.62E 251–43 3.5,3.3b ¶16154668
ISCJB IV 30 13 28 16.8–1.3 33.40S–.08 179.0E–.20 250 3.4b,3.3b
ISC Event type ke.
ISCJB Event type ke.
WEL V 01 10 47 12.4–.41 34.85S 178.54E 324–4 3.6L
¶14301411
WEL Event type ke. Error ellipse: s-maj=20.0km s-min=10.6km az=90.0.
IDC V 02 16 22 36.5–3.3 32.19S 178.19W 0 3.7,3.7s
¶16154841
IDC Error ellipse: s-maj=76.7km s-min=47.9km az=118.0.
IDC V 05 09 29 56.6–1.5 32.50S 178.14W 46–8 3.9,3.7
¶16154927
IDC Error ellipse: s-maj=35.4km s-min=21.5km az=116.0.
ISC V 06 11 23 43.6–.66 32.06S–.06 178.3W–.10 45 4.5b 67 3-161
AUST V 06 11 23 25.5–89 32.97S 175.67W 30–2 4.5b ¶15154176
IDC V 06 11 23 38.0–.95 31.72S 178.43W 0 4.6,4.4
ISCJB V 06 11 23 42.9–.76 32.11S–.04 178.5W–.10 45 4.5b,4.4
NEIC V 06 11 23 44.9–1.2 31.85S 178.47W 51–10 4.7b,4.4
ISC Event type se.

AUST Error ellipse: s-maj=18.0km s-min=2.0km az=291.0.
IDC Error ellipse: s-maj=27.4km s-min=23.9km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=5.5km az=11.1.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.7km az=116.0.
ISC V 08 14 44 36.8–.44 33.47S–.04 178.97W–.07 55 4.6b,3.8s 90 4-175
AUST V 08 14 44 33.5–2.5 33.64S 178.48W 44–0 4.6b,3.8s **¶15154215**
ISCJB V 08 14 44 35.9–.47 33.60S–.04 179.15W–.08 55 4.4b,3.9s
NEIC V 08 14 44 36.6–1.3 33.22S 179.17W 44–10 4.3b,3.9s
IDC V 08 14 44 39.2–2.5 33.11S 179.24W 65–21 4.4,4.2
ISC Event type se.
AUST Error ellipse: s-maj=3.6km s-min=1.0km az=292.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.9km az=17.3.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.2km az=127.0.
IDC Error ellipse: s-maj=20.7km s-min=14.1km az=1.0.
ISC V 10 08 51 12.3–2.1 32.7S–.10 180.0E–.30 439 36 6-147
IDC V 10 08 51 07.5–8.1 32.40S 179.91W 385–96 3.1,2.9 **¶16155579**
ISCJB V 10 08 51 10.8–1.5 32.66S–.09 180.0W–.30 439 3.0b,2.9
ISC Event type ke.
ISCJB Event type ke.
IDC V 11 11 01 22.3–3.2 32.60S 178.25W 0 4.0,3.8
¶16155632
IDC Error ellipse: s-maj=71.6km s-min=36.5km az=115.0.
ISC V 12 06 44 51.1–1.9 33.4S–.10 178.6W–.30 41 4.2b,3.8s 21 5-160
IDC V 12 06 44 47.0–1.3 32.87S 178.86W 0 4.3,4.2 **¶13439524**
ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=26.5km az=47.0.
IDC V 13 21 28 31.7–3.2 32.45S 178.37W 0 3.8,3.7L
¶16155724
IDC Error ellipse: s-maj=73.2km s-min=46.9km az=118.0.
ISC V 16 16 52 16.8–1.3 33.3S–.10 178.8W–.20 41 4.3b 29 5-160
IDC V 16 16 52 11.7–1.2 32.92S 178.85W 0 4.4,4.3 **¶13439636**
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=25.7km az=47.0.
ISC V 17 16 45 48.7–2.7 32.3S–.20 177.6W–.40 21 13 7-147
ISCJB V 17 16 45 47.3–2.5 32.3S–.10 177.7W–.40 21 3.5b **¶16155849**
IDC V 17 16 45 48.7–3.0 32.10S 178.07W 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=49.8km s-min=11.1km az=14.5.
IDC Error ellipse: s-maj=69.0km s-min=36.2km az=116.0.
ISC V 26 22 13 32.5–1.3 32.54S–.08 177.9W–.20 20 4.0b 34 3-154
IDC V 26 22 13 30.7–1.5 32.44S 177.95W 0 4.2L,4.1 **¶16156195**
ISC Event type ke.
IDC Error ellipse: s-maj=37.7km s-min=27.4km az=89.0.
ISC VI 01 14 38 38.1–1.2 32.4S–.10 179.5W–.20 35 4.3b 22 6-161
IDC VI 01 14 38 31.2–1.4 32.08S 179.20W 0 4.4b,4.4 **¶13680112**
NEIC VI 01 14 38 33.0–.97 32.19S 179.32W 10 4.5b,4.4
ISCJB VI 01 14 38 38.0–1.7 32.49S–.08 179.8W–.20 33 4.3b,3.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
WEL VI 02 06 44 40.0–1.2 34.74S 178.23E 33 4.0L
¶14310961
WEL Event type ke. Error ellipse: s-maj=23.4km s-min=8.9km az=90.0.
ISC VI 03 07 22 45.8–2.2 32.5S–.10 179.4E–.30 372 3.4b 17 6-58
IDC VI 03 07 22 35.9–8.0 31.79S 179.94E 305–54 3.3,3.3b **¶16100892**
ISC Event type ke.
IDC Error ellipse: s-maj=85.5km s-min=23.3km az=45.0.
ISC VI 06 05 01 06.5–1.7 32.3S–.10 179.2E–.20 350 3.8b 38 5-161
IDC VI 06 05 01 03.4–5.5 32.14S 179.74E 352–41 3.6,3.5b **¶16101006**
ISC Event type ke.
IDC Error ellipse: s-maj=62.4km s-min=20.5km az=47.0.
ISC VI 09 00 36 35.3–.79 33.4S–.10 178.5W–.10 41 4.4b,3.7s 31 6-160
IDC VI 09 00 36 29.7–1.0 33.20S 178.46W 0 4.4,4.1 **¶13440001**
ISCJB VI 09 00 36 34.5–1.1 33.47S–.09 178.6W–.20 41 4.2b,3.7s
NEIC VI 09 00 36 40.2–2.7 33.26S 178.71W 79–21 4.4b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=27.3km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=12.9km az=16.5.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=17.6km az=63.0.
IDC VI 09 02 25 20.5–9.1 33.14S 178.60W 60–80 4.2,3.9
¶16101126
IDC Error ellipse: s-maj=68.3km s-min=57.4km az=157.0.
ISC VI 10 16 20 47.1–1.2 33.1S–.10 178.4W–.20 32 4.2b 18 6-160
ISCJB VI 10 16 20 44.0–2.7 33.2S–.10 178.2W–.40 32 4.1b,3.5s **¶13440028**
IDC VI 10 16 20 43.2–1.3 32.88S 178.47W 0 4.4,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=50.3km s-min=11.2km az=13.0.
IDC Error ellipse: s-maj=39.9km s-min=33.9km az=173.0.
IDC VI 10 22 26 04.4–2.9 32.95S 178.31W 0 4.2,4.1
¶16101191
IDC Error ellipse: s-maj=70.6km s-min=32.7km az=114.0.
ISC VI 11 07 09 09.0–.80 32.64S–.09 179.8W–.20 35 4.2b 55 4-161
ISCJB VI 11 07 09 06.5–.42 32.76S–.06 179.7W–.20 33 4.0b **¶13681152**
IDC VI 11 07 09 10.9–1.6 32.80S 179.33W 81–20 4.2,4.1
NEIC VI 11 07 09 11.0–.92 32.80S 179.34W 81–11 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=4.0km az=21.9.
IDC Error ellipse: s-maj=40.7km s-min=11.3km az=112.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=8.6km az=117.0.
ISC VI 13 00 03 13.0–2.7 34.7S–.10 179.7W–.10 76–21 4.4b 88 4-163
IDC VI 13 00 03 03.2–.68 34.13S 179.72W 0 4.6,4.5 **¶13440064**
ISCJB VI 13 00 03 11.7–1.4 34.75S–.06 179.7W–.10 81–11 4.3b,4.5
NEIC VI 13 00 03 13.7–2.6 34.41S 179.97W 76–21 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=18.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=10.6km az=178.5.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=16.0km az=50.0.
ISC VI 14 10 13 30.3–.42 32.92S–.03 179.96W–.07 200 4.1b 129 4-160
IDC VI 14 10 13 28.7–5.0 32.55S 179.96W 184–40 4.1,4.0 **¶13383480**
ISCJB VI 14 10 13 29.4–.48 32.92S–.03 179.84E–.10 200 4.1b,4.0
NEIC VI 14 10 13 30.5–1.7 33.03S 179.93E 202–16 4.8b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=17.7km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=4.0km az=8.8.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=14.2km az=88.0.
ISC VI 14 17 27 30.0–1.2 32.33S–.09 179.6E–.20 439 3.4b 54 6-150
IDC VI 14 17 27 25.1–4.0 31.95S 179.83E 380–39 3.3,3.2 **¶16101329**
ISCJB VI 14 17 27 27.7–.82 32.26S–.06 179.8E–.20 439 3.4b,3.2
ISC Event type ke.
ISCJB Event type ke.
ISC VI 22 10 54 40.1–.36 32.79S–.05 179.98E–.07 200 4.6b 144 4-172
ISCJB VI 22 10 54 37.2–.29 32.94S–.03 179.89E–.07 183 4.5b **¶13383541**
NEIC VI 22 10 54 39.9–1.3 32.67S 179.94E 192–11 4.8b
IDC VI 22 10 54 39.9–.81 32.57S 179.93E 188–7 4.3,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.6km az=16.1.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.4km az=202.0.
IDC Error ellipse: s-maj=12.3km s-min=9.5km az=19.0.
ISC VI 22 17 06 26.4–2.4 32.6S–.10 178.7W–.30 33 4.1b 16 6-147
IDC VI 22 17 06 20.6–1.9 32.18S 178.66W 0 4.3,4.1 **¶16101616**
ISC Event type ke.
IDC Error ellipse: s-maj=47.1km s-min=31.6km az=56.0.
ISC VI 28 03 32 24.9–1.9 32.2S–.10 179.5E–.30 363 12 6-161
IDC VI 28 03 32 23.1–5.0 32.07S 179.77E 359–46 3.3,3.1 **¶16101807**
ISCJB VI 28 03 32 24.8–3.1 32.1S–.10 179.4E–.50 363 3.2b,3.1
ISC Event type ke.
ISCJB Event type ke.
IDC VI 29 13 43 25.6–2.2 33.05S 178.87W 0 3.8,3.6
¶16101862
IDC Error ellipse: s-maj=61.9km s-min=39.5km az=135.0.
ISC VI 30 04 14 53.0–.48 32.37S–.06 178.05W–.07 32–2 5.1b,5.0s 260 3-171

AUST VI 30 04 14 45.5–1.6 32.48S 177.71W 2–0 5.1b,5.0s **¶15156329**
IDC VI 30 04 14 47.8–.43 32.33S 178.28W 0 4.8,4.8s
ISCJB VI 30 04 14 50.7–.33 32.68S–.03 178.24W–.06 33 5.1b,4.9s
MOS VI 30 04 14 52.4–1.0 32.31S 178.36W 33 5.4b,4.9s
NEIC VI 30 04 14 53.1–1.1 32.34S 178.24W 35–9 5.2b,4.9s
GCMT VI 30 04 14 54.3–.20 32.40S 178.00W 20–0 5.3W,4.9s
DJA VI 30 04 15 27.5–4.8 33S–12 179W–28 354–42 5.6b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s67,c102; s84,c146;
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00
Best double couple: NP1:ϕ_s210.00000°,δ25.00000°,λ108.00000°. NP2:ϕ_s10.00000°
,δ66.00000°,λ82.00000°. Principal axes: T 1.1600,Plg68.0000°,Azm265.0000°
; N 0.0000,Plg8.0000°,Azm14.0000°; P -1.1500,Plg21.0000°,Azm107.0000°
M_o1.20000×10^{17}
ISC VI 30 08 03 42.1–1.1 32.6S–.10 178.4W–.20 33 4.3b,3.7s 26 7-161
IDC VI 30 08 03 36.8–1.2 32.41S 178.25W 0 4.3,4.2 **¶13383608**
ISCJB VI 30 08 03 41.6–1.7 32.63S–.09 178.6W–.30 33 4.2b,3.8s
NEIC VI 30 08 03 42.1–.85 32.47S 178.27W 35 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=29.0km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=31.0km s-min=12.3km az=6.6.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=17.0km az=71.0.
IDC VI 30 10 48 45.5–2.9 32.41S 178.32W 0 4.2,4.1L
¶16101891
IDC Error ellipse: s-maj=68.6km s-min=44.0km az=123.0.
IDC VI 30 15 41 58.1–2.8 32.58S 178.23W 0 3.8,3.6
¶16101902
IDC Error ellipse: s-maj=67.4km s-min=35.6km az=119.0.

SEISMIC REGION 13.
Fiji Area.

(180) North of Fiji Islands.
IDC V 26 04 38 59.5–72 12.82S 174.16E 0 4.1,3.9
¶16156173
IDC Error ellipse: s-maj=1262.0km s-min=136.8km az=68.0.

(181) Fiji Islands region.
IDC I 01 03 05 55.9–15 19.60S 178.39W 650–209 3.2,3.0
¶12079728
IDC Error ellipse: s-maj=81.1km s-min=56.4km az=29.0.
IDC I 01 05 54 27.0–7.4 20.23S 176.06W 0 3.8,3.5b
¶12079740
IDC Error ellipse: s-maj=422.8km s-min=49.6km az=150.0.
IDC I 01 08 37 16.3–1.7 17.45S 178.13W 0 4.3,4.0
¶12079745
IDC Error ellipse: s-maj=109.6km s-min=21.3km az=150.0.
IDC I 01 18 54 35.2–1.6 18.91S 176.07E 0 4.0,3.9
¶11625143
IDC Error ellipse: s-maj=37.1km s-min=34.9km az=58.0.
IDC I 01 23 06 42.7–8.1 17.11S 177.64W 0 3.9,3.6b
¶12079783
IDC Error ellipse: s-maj=358.9km s-min=38.3km az=142.0.
IDC I 02 09 08 16.7–8.2 15.99S 177.46W 415–91 3.7,3.5
¶12079815
IDC Error ellipse: s-maj=44.9km s-min=20.7km az=165.0.
IDC I 02 19 08 18.0–18 18.24S 178.16W 538–169 3.6,3.4b
¶12079844
IDC Error ellipse: s-maj=142.2km s-min=39.7km az=102.0.
IDC I 02 19 57 08.6–8.9 21.91S 178.09W 414–91 3.5,3.3
¶12079848
IDC Error ellipse: s-maj=65.1km s-min=31.1km az=157.0.
IDC I 03 09 02 39.2–10 19.33S 177.65W 374–108 3.6,3.4
¶12079884
IDC Error ellipse: s-maj=42.4km s-min=29.0km az=156.0.
ISC I 04 07 16 39.2–.60 17.9S–.10 179.9W–.10 631 4.4b 165 2-151
IDC I 04 07 16 38.3–2.2 17.94S 179.82W 623–25 3.9,3.8 **¶12080129**
NEIC I 04 07 16 39.4–.80 17.97S 179.81W 639–8 4.7b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=17.5km az=126.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=10.9km az=135.0.
IDC I 05 13 05 30.7–56 16.67S 175.99E 0 4.0,3.8b
¶12080375
IDC Error ellipse: s-maj=991.9km s-min=145.4km az=74.0.
IDC I 05 15 24 04.9–6.9 16.92S 177.06W 0 3.8,3.5
¶12080388
IDC Error ellipse: s-maj=339.9km s-min=53.1km az=145.0.
IDC I 05 20 37 48.8–3.6 18.21S 177.82W 104–33 4.1,3.9
¶12080409
IDC Error ellipse: s-maj=55.5km s-min=14.6km az=151.0.
IDC I 06 09 16 58.6–8.1 17.76S 178.58W 612–102 3.3,3.1b
¶12080488
IDC Error ellipse: s-maj=98.4km s-min=36.4km az=159.0.
IDC I 06 11 33 35.9–9.7 21.37S 176.52W 175–89 3.7,3.5b
¶12080501
IDC Error ellipse: s-maj=53.1km s-min=26.9km az=165.0.
ISC I 07 16 25 33.4–.27 20.68S–.04 179.11W–.04 662–2 5.3b 1806 4-175
SZGRF I 07 16 24 17.4 23.68S 178.63W 31 4.9b **¶11534067**
ISCJB I 07 16 25 30.8–.46 20.75S–.03 179.24W–.03 637–6 5.2b
MOS I 07 16 25 31.4–.81 20.56S 179.24W 640 5.3b,4.6s
IDC I 07 16 25 33.0–.58 20.77S 179.23W 653–6 4.7,4.7
DJA I 07 16 25 32 20.54S 179.22W 647 5.4b,4.7
BJI I 07 16 25 33.0 20.40S 178.91W 667 5.3b,5.1b
NEIC I 07 16 25 33.3–.11 20.71S 179.22W 657 5.3b,5.1b
BGS I 07 16 25 35.2–5.4 20.71S 179.22W 657 5.3b,5.1b
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.5km az=155.0.
MOS Error ellipse: s-maj=8.8km s-min=6.9km az=65.0.
IDC Error ellipse: s-maj=9.0km s-min=6.8km az=154.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.4km az=147.0.
BGS Error ellipse: s-maj=277.9km s-min=999.9km az=-1.0.
IDC I 08 00 45 08.0–56 17.10S 178.85W 0 4.2,4.0b
¶12080694
IDC Error ellipse: s-maj=1021.0km s-min=155.1km az=78.0.
IDC I 08 00 56 52.5–49 16.17S 177.10W 0 3.9,3.7b
¶12080696
IDC Error ellipse: s-maj=911.6km s-min=158.9km az=77.0.
IDC I 08 02 28 02.9–53 16.06S 177.16W 0 4.0,3.8b
¶12080701
IDC Error ellipse: s-maj=982.9km s-min=168.3km az=77.0.
IDC I 08 22 02 41.3–3.4 19.03S 177.67W 590–39 3.3,3.2
¶12080784
IDC Error ellipse: s-maj=25.6km s-min=19.4km az=162.0.
IDC I 09 08 35 52.8–25 17.49S 178.21W 508–234 3.4,3.1b
¶12080822
IDC Error ellipse: s-maj=308.4km s-min=71.3km az=136.0.
IDC I 09 12 39 08.6–3.3 20.57S 177.66W 512–36 3.4,3.3b
¶12080839
IDC Error ellipse: s-maj=105.1km s-min=26.6km az=147.0.
IDC I 09 17 15 41.3–5.5 20.37S 176.38W 0 4.2,4.0
¶12080861
IDC Error ellipse: s-maj=253.3km s-min=88.6km az=158.0.
IDC I 09 20 51 35.4–1.8 16.61S 178.40W 0 4.2,3.9b
¶12080883
IDC Error ellipse: s-maj=105.4km s-min=25.4km az=147.0.
IDC I 10 01 09 03.8–7.0 21.44S 179.77W 0 4.1,3.8b
¶12080906
IDC Error ellipse: s-maj=304.5km s-min=68.5km az=148.0.

ISC I 10 04 29 58.2–.60 21.88S–.09 179.39W–.07 656–5 4.4b 352 13-171
IDC I 10 04 29 53.8–1.6 21.65S 179.32W 601–16 4.1,4.0 **¶13404786**
SZGRF I 10 04 29 54.1 21.81S 179.78E 600 4.1,4.0
ISCJB I 10 04 29 55.9–1.4 21.7S–.10 179.49W–.05 638–19 4.4b,4.0
BJI I 10 04 29 57.3 21.46S 179.03W 664 4.9b,4.5b
NEIC I 10 04 29 58.1–1.2 21.75S 179.50W 654–15 4.5b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=12.2km az=153.0.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=7.0km az=175.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.2km az=167.0.
IDC I 10 20 15 56.0–19 17.43S 176.94W 334–180 3.5,3.3b
¶12080980

IDC Error ellipse: s-maj=125.1km s-min=51.5km az=136.0.
IDC I 11 13 28 43.6–11 17.58S 178.65W 528–141 3.2,3.0
¶12081034

IDC Error ellipse: s-maj=103.2km s-min=35.7km az=162.0.
ISC I 11 22 55 06.2–.58 18.0S–.10 178.4W–.10 579 4.1b 88 3-150
SZGRF I 11 22 54 04.8 18.50S 177.00W 33 4.1b **¶12081071**
IDC I 11 22 55 04.9–1.4 17.76S 178.62W 543–17 3.8,3.8
ISCJB I 11 22 55 05.6–.45 18.0S–.10 178.46W–.09 579 4.4b,3.8
NEIC I 11 22 55 05.7–.66 18.03S 178.42W 566–7 4.2b,3.8
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=24.7km s-min=10.9km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=7.2km az=143.7.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=9.6km az=141.0.
ISC I 12 03 16 22.3–1.1 20.4S–.20 178.4W–.10 556–10 4.0b 95 4-152
SZGRF I 12 03 15 12.9 23.09S 170.78W 33 4.0b **¶12081083**
ISCJB I 12 03 16 21.7–1.1 20.4S–.20 178.4W–.10 561–11 3.9b
IDC I 12 03 16 22.5–1.8 20.45S 178.37W 558–20 3.7,3.6
NEIC I 12 03 16 22.3–.83 20.42S 178.39W 558–7 4.3b,3.6
ISC Event type se.
SZGRF Tonga Islands region.
ISCJB Event type se. Error ellipse: s-maj=28.7km s-min=12.3km az=149.9.
IDC Error ellipse: s-maj=21.6km s-min=11.7km az=147.0.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=9.1km az=148.0.
IDC I 12 11 08 05.7–47 16.15S 177.32W 0 4.0,3.8b
¶12081103

IDC Error ellipse: s-maj=864.7km s-min=168.0km az=77.0.
IDC I 12 11 30 51.1–1.9 18.65S 177.24W 0 4.2,3.9b
¶12081104

IDC Error ellipse: s-maj=162.1km s-min=32.0km az=157.0.
IDC I 12 17 33 06.8–15 17.45S 178.89W 558–147 3.3,3.1b
¶12081126

IDC Error ellipse: s-maj=119.9km s-min=73.4km az=113.0.
IDC I 12 20 41 54.3–7.5 17.18S 176.50W 0 4.1,3.8
¶12081138

IDC Error ellipse: s-maj=308.9km s-min=65.6km az=141.0.
IDC I 13 13 05 19.6–4.2 18.03S 177.10W 0 4.2,3.9b
¶12081185

IDC Error ellipse: s-maj=186.4km s-min=32.9km az=139.0.
IDC I 13 15 51 45.3–7.7 18.58S 177.06W 0 3.5,3.4
¶12081197

IDC Error ellipse: s-maj=333.0km s-min=120.5km az=153.0.
IDC I 14 00 22 23.5–8.1 16.54S 176.92W 0 4.0,3.7b
¶12081233

IDC Error ellipse: s-maj=359.0km s-min=34.1km az=141.0.
IDC I 14 07 52 10.6–8.0 21.21S 178.25W 474–83 3.3,3.1
¶12081255

IDC Error ellipse: s-maj=53.9km s-min=35.1km az=134.0.
ISC I 14 09 49 48.0–.57 21.3S–.10 179.1W–.10 602 3.9b 52 10-151
ISCJB I 14 09 49 46.8–.45 21.37S–.06 179.14W–.10 602 3.8b **¶12081261**
IDC I 14 09 49 47.7–2.1 21.16S 179.17W 592–25 3.5,3.5
NEIC I 14 09 49 47.8–.97 21.21S 179.13W 598–12 4.1b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=8.0km az=12.6.
IDC Error ellipse: s-maj=16.8km s-min=13.9km az=126.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.2km az=142.0.
IDC I 16 02 23 46.7–29 15.95S 176.51W 0 4.5,4.3b
¶12081402

IDC Error ellipse: s-maj=568.9km s-min=144.6km az=84.0.
IDC I 16 14 52 19.7–3.9 21.18S 177.51W 342–29 3.7,3.5b
¶12081446

IDC Error ellipse: s-maj=95.5km s-min=17.6km az=147.0.
IDC I 17 00 51 50.4–48 17.27S 176.19W 0 4.3,4.1b
¶12081497

IDC Error ellipse: s-maj=895.3km s-min=162.1km az=79.0.
IDC I 17 04 31 20.5–1.9 15.59S 176.47W 0 4.0,3.8
¶12081511

IDC Error ellipse: s-maj=106.9km s-min=25.7km az=146.0.
IDC I 17 09 02 03.1–6.2 17.61S 178.87W 588–79 3.3,3.1
¶12081525

IDC Error ellipse: s-maj=90.6km s-min=29.6km az=156.0.
NEIC I 17 19 09 03.0–1.1 18.76S 177.84W 620–11 4.2b
IDC I 17 19 08 03.2–1.6 17.16S 177.60W 0 4.5,4.2b **¶12081561**
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=13.7km az=152.0.
IDC Error ellipse: s-maj=103.1km s-min=21.3km az=148.0.
IDC I 17 21 30 42.5–9.8 18.25S 177.61W 438–87 3.7,3.4b
¶12081575

IDC Error ellipse: s-maj=70.5km s-min=27.5km az=111.0.
IDC I 18 04 22 23.3–4.8 20.08S 178.06W 532–54 3.4,3.2
¶12081600

IDC Error ellipse: s-maj=47.1km s-min=22.8km az=153.0.
IDC I 18 21 57 37.5–4.7 18.33S 177.62W 0 4.1,3.8b
¶12081676

IDC Error ellipse: s-maj=206.9km s-min=36.0km az=140.0.
IDC I 19 05 14 06.0–3.2 18.83S 177.59W 640–36 3.5,3.3b
¶12081714

IDC Error ellipse: s-maj=51.0km s-min=18.6km az=158.0.
IDC I 19 06 12 21.2–2.2 17.08S 177.47W 0 3.8,3.6
¶12081722

IDC Error ellipse: s-maj=135.6km s-min=29.2km az=152.0.
IDC I 19 06 47 04.3–50 16.74S 176.35W 0 4.0,3.8b
¶12081725

IDC Error ellipse: s-maj=930.7km s-min=168.2km az=79.0.
ISC I 19 10 09 17.7–1.0 21.66S–.08 178.35W–.09 495–10 4.5b 95 5-172
IDC I 19 10 09 11.4–1.6 21.38S 178.27W 418–16 4.0,3.8b **¶11611007**
ISCJB I 19 10 09 12.9–.40 21.57S–.05 178.31W–.08 450 4.5b,3.8b
NEIC I 19 10 09 14.4–.86 21.47S 178.32W 457–9 4.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=11.2km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.9km az=8.2.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.3km az=139.0.
IDC I 19 13 21 33.6–60 19.38S 179.08W 0 3.9,3.7b
¶12081758

IDC Error ellipse: s-maj=1082.0km s-min=146.6km az=81.0.
IDC I 19 14 12 58.0–67 16.96S 178.21W 0 3.9,3.7b
¶12081762

IDC Error ellipse: s-maj=1234.0km s-min=167.7km az=78.0.
IDC I 19 14 13 35.1–49 16.84S 178.14W 0 3.9,3.7b
¶12081763

IDC Error ellipse: s-maj=894.6km s-min=165.1km az=78.0.
IDC I 19 14 45 31.9–4.6 21.11S 178.43W 0 3.8,3.6b
¶12081765

IDC Error ellipse: s-maj=197.2km s-min=37.3km az=142.0.
IDC I 20 03 03 44.1–4.8 19.55S 176.05W 0 4.4,4.2b
¶12081822

IDC Error ellipse: s-maj=238.2km s-min=51.7km az=151.0.
IDC I 20 09 47 41.6–2.1 20.10S 177.67W 523–27 3.4,3.2b
¶12081857

IDC Error ellipse: s-maj=56.8km s-min=14.9km az=140.0.
IDC I 20 11 56 08.8–7.4 18.98S 176.72W 0 4.2,3.9b
¶12081863

IDC Error ellipse: s-maj=323.8km s-min=34.9km az=143.0.
IDC I 21 04 29 48.0–65 17.62S 177.92W 0 3.9,3.7b
¶12081940

IDC Error ellipse: s-maj=1191.0km s-min=177.7km az=79.0.
IDC I 21 11 48 36.1–6.9 19.51S 178.01W 0 4.2,3.8b
¶12081965

IDC Error ellipse: s-maj=301.5km s-min=36.2km az=144.0.
IDC I 21 15 04 16.7–1.5 15.42S 177.98W 0 4.2,4.0
¶12081978

IDC Error ellipse: s-maj=110.3km s-min=20.9km az=148.0.
IDC I 21 16 45 28.7–2.5 20.55S 178.08W 496–27 3.4,3.4
¶12081982

IDC Error ellipse: s-maj=34.7km s-min=14.0km az=148.0.
IDC I 21 21 47 37.3–40 21.49S 179.46W 510–339 3.4,3.3b
¶12082010

IDC Error ellipse: s-maj=303.8km s-min=100.7km az=79.0.
IDC I 22 08 15 46.2–2.0 17.56S 178.76W 550–25 3.7,3.5
¶12082042

IDC Error ellipse: s-maj=51.1km s-min=12.3km az=154.0.
ISC I 23 03 35 27.2–.41 20.07S–.08 177.51W–.08 500 4.6b 190 5-173
SZGRF I 23 03 34 31.6 21.12S 178.34W 33 4.6b **¶11616510**
ISCJB I 23 03 35 26.8–.41 20.03S–.08 177.63W–.08 500 4.4b
IDC I 23 03 35 27.6–1.4 19.91S 177.62W 499–16 4.1,4.0b
NEIC I 23 03 35 28.8–.74 19.99S 177.55W 520–7 4.7b,4.0b
BJI I 23 03 35 32.7 19.35S 178.27W 521 4.9b,4.6b
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=8.1km az=135.1.
IDC Error ellipse: s-maj=16.3km s-min=9.9km az=143.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.7km az=141.0.
IDC I 23 04 34 32.8–1.8 15.88S 177.58W 0 4.5,4.1
¶11671804

IDC Error ellipse: s-maj=121.7km s-min=21.6km az=152.0.
IDC I 23 15 22 03.2–2.1 15.37S 177.35W 403–32 3.7,3.4
¶12082141

IDC Error ellipse: s-maj=100.1km s-min=14.0km az=154.0.
IDC I 24 04 29 19.4–2.7 17.55S 178.61W 538–32 3.8,3.6
¶12082189

IDC Error ellipse: s-maj=48.2km s-min=10.9km az=153.0.
ISC I 24 09 01 57.5–.19 19.62S–.04 178.99W–.03 667 5.2b 1445 3-174
MOS I 24 09 01 55.0–.88 19.43S 179.15W 642 5.3b **¶11617194**
BJI I 24 09 01 56.9 19.60S 179.10W 660 5.0b,4.7b
SZGRF I 24 09 01 56.8 20.13S 179.33W 669 5.0b,4.7b
ISCJB I 24 09 01 56.5–.09 19.74S–.03 179.11W–.02 670 5.1b,4.7b
IDC I 24 09 01 57.9–.42 19.62S 179.10W 670–4 4.6,4.6
DJA I 24 09 01 57 19.67S 179.22W 644 5.1W,4.6
NEIC I 24 09 01 58.0–.10 19.58S 179.11W 671 5.2b,4.6
BGS I 24 09 01 58.5–6.4 19.58S 179.11W 671 5.2b,4.6
ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=7.1km az=48.5.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.3km az=146.9.
IDC Error ellipse: s-maj=10.0km s-min=6.4km az=163.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.0km az=144.0.
BGS Error ellipse: s-maj=386.8km s-min=999.9km az=-1.0.
IDC I 24 09 29 10.6–3.8 19.15S 179.45W 691–54 3.2,2.9
¶12082206

IDC Error ellipse: s-maj=187.4km s-min=16.7km az=158.0.
ISC I 24 17 58 17.3–1.3 20.8S–.10 178.0W–.10 445–16 3.9b 66 5-172
NEIC I 24 17 58 21.0–1.2 21.06S 178.05W 488–11 4.2b **¶12082239**
IDC I 24 17 58 22.6–2.3 20.91S 178.19W 495–24 3.5,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.0km az=128.0.
IDC Error ellipse: s-maj=23.7km s-min=12.4km az=148.0.
IDC I 24 18 27 44.9–6.2 20.21S 177.89W 609–76 3.3,3.2
¶12082242

IDC Error ellipse: s-maj=50.3km s-min=29.9km az=154.0.
IDC I 25 01 38 11.5–26 17.62S 178.19W 418–242 3.4,3.1b
¶12082269

IDC Error ellipse: s-maj=298.9km s-min=68.4km az=136.0.
IDC I 25 02 02 30.3–3.2 20.47S 178.47W 587–39 3.4,3.3
¶12082271

IDC Error ellipse: s-maj=30.4km s-min=17.5km az=179.0.
IDC I 25 05 40 04.3–51 16.63S 178.00W 0 4.1,3.9b
¶12082287

IDC Error ellipse: s-maj=945.1km s-min=171.0km az=77.0.
IDC I 25 11 22 28.9–8.7 19.52S 177.67W 588–102 3.2,3.0
¶12082300

IDC Error ellipse: s-maj=41.3km s-min=30.8km az=102.0.
ISC I 25 15 06 35.7–.57 18.6S–.10 177.8W–.10 557 4.2b 69 7-175
SZGRF I 25 15 05 33.4 19.63S 177.13W 33 4.2b **¶12082314**
ISCJB I 25 15 06 34.9–.39 18.65S–.07 177.84W–.09 557 4.1b
IDC I 25 15 06 37.3–1.6 18.51S 177.86W 572–19 3.8,3.7
ISC Event type ke.
SZGRF Fiji Islands region.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=7.1km az=36.1.
IDC Error ellipse: s-maj=18.7km s-min=11.1km az=144.0.
IDC I 26 02 02 08.0–1.8 16.71S 178.11W 0 4.2,4.0b
¶12082341

IDC Error ellipse: s-maj=155.9km s-min=31.1km az=156.0.
ISC I 26 11 49 46.6–.62 17.8S–.10 178.4W–.10 579 4.1b 32 7-148
ISCJB I 26 11 49 45.6–.58 17.9S–.10 178.4W–.10 579 4.0b **¶12082368**
IDC I 26 11 49 47.7–1.6 17.90S 178.40W 594–20 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=10.8km az=138.9.
IDC Error ellipse: s-maj=15.8km s-min=12.3km az=137.0.
ISC I 26 11 54 40.7–.17 17.84S–.03 178.52W–.03 595 5.5b 2202 3-175
MOS I 26 11 54 38.2–.88 17.61S 178.57W 563 5.5b **¶11617580**
BGS I 26 11 54 39.0–4.9 17.80S 178.59W 580 5.5b
ISCJB I 26 11 54 39.4–.08 17.91S–.02 178.61W–.02 591 5.6b
NEIC I 26 11 54 39.6–.37 17.80S 178.59W 580–4 5.8W,5.5b
BJI I 26 11 54 39.9 17.45S 178.17W 597 5.4b,5.3b
IDC I 26 11 54 41.1–.46 17.85S 178.64W 590–4 5.1b,5.1
DJA I 26 11 54 43 17.94S 178.73W 620 5.9W,5.1
ISC Event type se.
MOS Error ellipse: s-maj=11.1km s-min=7.8km az=79.3.
BGS Error ellipse: s-maj=460.1km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.9km az=142.8.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.9km az=143.0. Moment Tensor Solution.
s36 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.72 $M_{\theta\theta}$3.66 $M_{\phi\phi}$-1.94 $M_{r\theta}$3.06 $M_{\theta\phi}$2.51 $M_{\phi r}$-3.45
Best double couple: NP1:ϕ_s35.00000°,δ45.00000°,λ-160.00000°. NP2:ϕ_s291.00000°
,δ76.00000°,λ-46.00000°. Principal axes: T 5.1900,Plg19.0000°,Azm349.0000°
; N 1.5700,Plg42.0000°,Azm98.0000°; P -6.7700,Plg41.0000°,Azm241.0000°
M_o6.10000×10^{17}
IDC Error ellipse: s-maj=8.9km s-min=6.5km az=159.0.
IDC I 26 22 00 07.8–6.2 16.75S 176.99W 0 4.2,3.9b
¶12082417

IDC Error ellipse: s-maj=298.4km s-min=52.6km az=145.0.
ISC I 27 00 54 58.0–.55 17.6S–.10 176.1E–.20 35 4.7b,4.6s 67 2-173
IDC I 27 00 54 52.0–.77 17.55S 176.33E 0 4.5,4.5s **¶12082430**
ISCJB I 27 00 54 57.3–.42 17.9S–.10 176.36E–.07 33 4.7b,4.4s
NEIC I 27 00 54 58.4–.45 17.69S 176.00E 35 4.9b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=23.5km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=8.9km az=163.8.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=14.4km az=108.0.
ISC I 27 06 29 12.1–.18 17.89S–.03 178.55W–.03 593 5.2b 1998 3-175
BJI I 27 06 29 10.1 17.80S 177.91W 606 5.0b,5.0b **¶11625177**

ISCJB I 27 06 29 11.3–.09 17.93S–.03 178.67W–.02 594 5.2b,5.0b
IDC I 27 06 29 11.6–.45 17.88S 178.64W 582–4 4.8,4.8
DJA I 27 06 29 11 17.99S 178.72W 571 5.7b,4.8
MOS I 27 06 29 12.7–1.2 17.74S 178.71W 604 5.1b,4.8
BGS I 27 06 29 13.0–3.7 17.84S 178.68W 601 5.1b,4.8
NEIC I 27 06 29 13.0–.11 17.84S 178.68W 601 5.8W,5.1b
SZGRF I 27 06 29 14.2 17.63S 178.48W 600 5.8W,5.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=150.5.
IDC Error ellipse: s-maj=6.7km s-min=5.1km az=161.0.
MOS Error ellipse: s-maj=8.5km s-min=7.0km az=56.1.
BGS Error ellipse: s-maj=288.8km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.1km az=144.0. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.76 $M_{\theta\theta}$5.57 $M_{\phi\phi}$-3.81 $M_{r\theta}$2.25 $M_{\theta\phi}$2.92 $M_{\phi r}$-2.61 Best double couple: NP1:ϕ_s34.00000°,δ59.00000°,λ-163.00000°. NP2:ϕ_s294.00000°,δ75.00000°,λ-32.00000°. Principal axes: T 6.6800,Plg10.0000°,Azm347.0000°; N 0.0100,Plg54.0000°,Azm92.0000°; P -6.6900,Plg33.0000°,Azm249.0000° $M_0$6.70000×10^{17}
SZGRF Fiji Islands region.
IDC I 27 13 51 10.4–61 20.61S 176.49W 0 3.8,3.6b
¶12082482

IDC Error ellipse: s-maj=1129.0km s-min=173.4km az=84.0.
IDC I 27 15 48 49.6–6.8 17.65S 177.33W 0 4.1,3.8b
¶12082493

IDC Error ellipse: s-maj=297.2km s-min=36.2km az=142.0.
IDC I 28 02 17 29.2–3.3 21.38S 177.02W 183–26 3.8,3.6
¶12082531

IDC Error ellipse: s-maj=109.5km s-min=19.3km az=155.0.
IDC I 28 03 14 10.8–15 18.06S 177.98W 463–153 3.5,3.2b
¶12082534

IDC Error ellipse: s-maj=158.6km s-min=58.4km az=135.0.
IDC I 28 13 09 17.2–6.7 18.36S 177.89W 562–379 3.6s,3.6
¶12082570

IDC Error ellipse: s-maj=357.6km s-min=87.6km az=100.0.
IDC I 28 15 54 25.7–53 15.32S 178.59W 0 3.8,3.6b
¶12082587

IDC Error ellipse: s-maj=975.7km s-min=161.7km az=76.0.
IDC I 28 16 55 52.5–70 21.44S 178.25W 0 3.7,3.5b
¶12082593

IDC Error ellipse: s-maj=1271.0km s-min=160.7km az=84.0.
IDC I 28 18 22 28.4–3.4 16.79S 176.88W 0 4.2,4.0
¶11713947

IDC Error ellipse: s-maj=160.2km s-min=31.3km az=138.0.
IDC I 28 18 42 26.8–4.0 17.98S 178.01W 565–44 3.3,3.2
¶12082602

IDC Error ellipse: s-maj=45.4km s-min=18.8km az=149.0.
ISC I 28 22 47 56.4–.68 17.6S–.10 178.39W–.08 533–6 4.3b 124 3-150
IDC I 28 22 47 56.1–1.3 17.58S 178.46W 524–13 3.8,3.8 ¶12082614
ISCJB I 28 22 47 57.3–.66 17.64S–.09 178.53W–.08 550–6 4.4b,3.8
NEIC I 28 22 47 57.3–.92 17.62S 178.47W 537–9 4.7b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=8.8km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=8.6km az=142.5.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.8km az=137.0.
IDC I 29 02 32 31.9–2.8 18.82S 176.93W 0 4.3,3.9
¶11713949

IDC Error ellipse: s-maj=208.1km s-min=27.0km az=155.0.
IDC I 29 07 36 08.1–57 17.67S 178.43W 0 4.0,3.8b
¶12082648

IDC Error ellipse: s-maj=1040.0km s-min=154.7km az=79.0.
IDC I 29 07 42 20.9–58 19.49S 178.42W 0 4.0,3.8b
¶12082649

IDC Error ellipse: s-maj=1057.0km s-min=155.3km az=81.0.
IDC I 29 12 52 42.2–1.5 14.01S 179.65W 0 4.2,3.9
¶12082665

IDC Error ellipse: s-maj=105.9km s-min=21.7km az=148.0.
ISC I 29 14 04 37.5–1.1 15.8S–.30 178.4W–.20 35 4.0b,3.9s 31 4-146
IDC I 29 14 04 32.4–1.4 15.64S 178.34W 0 4.2,4.0 ¶11713954
NEIC I 29 14 04 34.7–10 15.64S 178.39W 15–63 4.4b,4.0
ISCJB I 29 14 04 35.9–.98 15.8S–.30 178.4W–.20 33 3.9s,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 30 16 58 44.0–2.1 17.98S 178.96W 541–24 3.6,3.4
¶12082750

IDC Error ellipse: s-maj=26.5km s-min=12.9km az=149.0.
IDC I 31 02 11 04.2–6.3 16.94S 177.00W 0 4.0,3.7b
¶12082782

IDC Error ellipse: s-maj=299.9km s-min=44.7km az=144.0.
IDC I 31 20 10 52.4–3.5 20.47S 176.04W 197–33 3.7,3.6b
¶12082855

IDC Error ellipse: s-maj=30.4km s-min=18.5km az=151.0.
IDC I 31 21 01 07.0–1.7 16.67S 178.12W 0 4.2,3.9b
¶12082858

IDC Error ellipse: s-maj=99.4km s-min=24.1km az=148.0.
IDC I 31 22 06 36.3–2.1 18.08S 178.13W 595–28 3.5,3.3
¶12082867

IDC Error ellipse: s-maj=81.6km s-min=14.5km az=150.0.
IDC I 31 22 11 26.1–2.6 17.35S 176.60W 0 4.3,4.2
¶12082868

IDC Error ellipse: s-maj=176.5km s-min=31.5km az=150.0.
IDC I 31 23 57 52.2–2.0 17.96S 178.15W 559–25 3.6,3.4
¶12082874

IDC Error ellipse: s-maj=48.1km s-min=16.0km az=147.0.
IDC II 01 10 10 10.1–6.4 20.78S 178.89W 624–73 3.2,3.0
¶15954823

IDC Error ellipse: s-maj=39.0km s-min=29.2km az=90.0.
IDC II 01 15 32 27.8–8.5 19.42S 177.70W 558–92 3.0,2.8
¶15954833

IDC Error ellipse: s-maj=99.5km s-min=42.8km az=156.0.
ISC II 01 20 31 37.7–.41 17.62S–.09 178.72W–.07 547 4.4b 440 3-158
SZGRF II 01 20 30 35.2 17.99S 178.32W 600 4.4b ¶11667216
ISCJB II 01 20 31 37.6–.21 17.59S–.09 178.87W–.05 547 4.5b
MOS II 01 20 31 37.8–1.1 17.60S 178.80W 545 4.5b
IDC II 01 20 31 37.6–1.0 17.76S 178.66W 543–11 4.1,4.0
NEIC II 01 20 31 40.2–.74 17.72S 178.82W 572–8 4.4b,4.0
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=4.0km az=153.4.
MOS Error ellipse: s-maj=14.8km s-min=9.8km az=143.8.
IDC Error ellipse: s-maj=19.5km s-min=8.4km az=149.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=5.9km az=149.0.
IDC II 01 22 48 51.2–46 16.39S 176.07W 0 4.2,4.0
¶15954844

IDC Error ellipse: s-maj=866.7km s-min=164.6km az=78.0.
ISC II 02 14 32 35.8–1.1 20.4S–.20 177.9W–.20 534 4.0b 11 9-88
IDC II 02 14 32 31.5–2.7 20.24S 177.82W 479–37 3.5,3.4 ¶15954899
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=16.5km az=141.0.
ISC II 02 14 43 57.9–.35 21.90S–.05 179.44W–.05 592–3 4.9b 515 5-171
MOS II 02 14 43 56.3–1.1 21.79S 179.41W 583 4.6b ¶11660449
BJI II 02 14 43 56.2 21.76S 178.86W 604 5.0b,4.8b
ISCJB II 02 14 43 57.2–.64 21.88S–.05 179.50W–.04 592–8 4.8b,4.8b
NEIC II 02 14 43 57.8–.22 21.79S 179.43W 590 4.8b,4.8b
IDC II 02 14 43 57.2–1.2 21.75S 179.39W 582–13 4.2,4.1
ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=10.8km az=164.9.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.7km az=164.6.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.0km az=156.0.
IDC Error ellipse: s-maj=12.8km s-min=10.3km az=150.0.
IDC II 02 23 32 50.3–3.0 19.88S 177.67W 451–31 3.8,3.6
¶15954917

IDC Error ellipse: s-maj=100.5km s-min=19.5km az=145.0.
ISC II 03 04 38 37.4–.73 18.0S–.10 178.24W–.08 597–7 4.4b 164 4-158
SZGRF II 03 04 38 24.9 18.45S 178.56W 468 4.4b ¶12699443
ISCJB II 03 04 38 37.2–.63 18.06S–.09 178.26W–.07 608–7 4.4b
NEIC II 03 04 38 37.4–.60 18.03S 178.21W 597–7 4.4b
IDC II 03 04 38 38.3–1.4 18.03S 178.31W 600–16 3.8,3.8
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=9.6km az=153.9.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.7km az=157.0.
IDC Error ellipse: s-maj=17.2km s-min=9.2km az=152.0.
IDC II 03 11 27 54.3–2.5 19.92S 177.91W 454–24 3.5,3.3
¶15954956

IDC Error ellipse: s-maj=69.5km s-min=13.5km az=149.0.
ISC II 03 16 23 41.3–.69 18.1S–.20 178.3W–.10 579 4.0b 31 8-148
IDC II 03 16 23 41.3–1.4 18.11S 178.34W 579–17 3.7,3.6 ¶15954964
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=10.3km az=148.0.
IDC II 04 08 41 27.7–10.0 21.42S 179.79W 593–99 3.0,2.8
¶15955006

IDC Error ellipse: s-maj=116.6km s-min=51.1km az=133.0.
IDC II 04 08 51 37.4–8.4 18.76S 177.81W 568–97 3.1,2.9
¶15955007

IDC Error ellipse: s-maj=90.9km s-min=36.0km az=152.0.
IDC II 05 16 25 56.5–7.4 16.49S 178.12W 0 4.0,3.7
¶15955075

IDC Error ellipse: s-maj=328.7km s-min=36.2km az=142.0.
IDC II 05 17 16 57.5–51 16.42S 176.49W 0 4.4,4.2
¶15955078

IDC Error ellipse: s-maj=954.6km s-min=159.1km az=78.0.
IDC II 05 17 51 28.4–4.3 17.93S 176.97W 0 4.1,3.9
¶15955080

IDC Error ellipse: s-maj=183.0km s-min=34.9km az=139.0.
IDC II 06 10 44 36.0–17 17.81S 177.79W 520–160 3.3,3.1
¶15955139

IDC Error ellipse: s-maj=130.2km s-min=71.2km az=112.0.
IDC II 06 16 10 35.6–4.7 19.76S 178.58W 637–54 3.2,3.0
¶15955150

IDC Error ellipse: s-maj=97.3km s-min=23.3km az=154.0.
IDC II 06 21 00 24.1–30 21.90S 177.85W 397–240 3.1,2.9
¶15955155

IDC Error ellipse: s-maj=368.4km s-min=59.6km az=139.0.
IDC II 06 21 59 25.6–18 18.72S 177.90W 601–181 2.9,2.7
¶15955157

IDC Error ellipse: s-maj=138.0km s-min=92.8km az=107.0.
IDC II 06 22 55 01.1–12 19.79S 178.10W 536–133 3.7,3.5
¶15955159

IDC Error ellipse: s-maj=59.5km s-min=35.0km az=73.0.
IDC II 07 02 06 10.7–7.5 18.35S 178.17W 0 4.3,4.0
¶15955166

IDC Error ellipse: s-maj=302.7km s-min=67.4km az=143.0.
IDC II 07 05 17 38.6–15 16.01S 176.83W 627–203 3.3,3.1
¶15955167

IDC Error ellipse: s-maj=62.5km s-min=29.0km az=97.0.
IDC II 07 07 07 34.2–31 15.26S 177.79W 458–281 3.2,2.9
¶15955173

IDC Error ellipse: s-maj=357.5km s-min=59.1km az=132.0.
ISC II 07 21 51 56.4–.28 20.53S–.05 178.13W–.04 546–2 5.2b 1517 5-176
DJA II 07 21 50 46 20.33S 175.02W 10 6.0b ¶13434374
NEIC II 07 21 51 56.4–.11 20.54S 178.21W 544 5.2b
MOS II 07 21 51 56.1–.86 20.37S 178.26W 541 5.3b
BJI II 07 21 51 56.2 20.17S 177.84W 551 5.2b,5.1b
ISCJB II 07 21 51 56.4–.53 20.56S–.04 178.25W–.03 551–6 5.1b,5.1b
IDC II 07 21 51 56.6–.49 20.48S 178.17W 539–4 4.7,4.7
SZGRF II 07 21 51 57.0 20.87S 177.40W 557 4.7,4.7
BGS II 07 21 51 58.3–5.5 20.54S 178.21W 544 5.2b,4.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.1km az=148.0.
MOS Error ellipse: s-maj=8.8km s-min=7.7km az=50.1.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=157.8.
IDC Error ellipse: s-maj=10.0km s-min=8.3km az=159.0.
SZGRF Fiji Islands region.
BGS Error ellipse: s-maj=362.4km s-min=999.9km az=-1.0.
IDC II 08 09 27 25.3–22 17.21S 178.69W 486–207 3.4,3.1
¶15955212

IDC Error ellipse: s-maj=303.3km s-min=65.6km az=137.0.
ISC II 08 12 39 43.7–.68 17.3S–.20 178.8W–.10 539 4.0b 18 8-147
IDC II 08 12 39 42.1–2.0 17.41S 178.81W 513–24 3.6,3.4 ¶15955216
ISCJB II 08 12 39 43.2–.59 17.3S–.20 178.9W–.10 539 3.9b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC II 08 18 49 40.5–1.9 16.25S 179.23W 0 4.2,4.1
¶15955229

IDC Error ellipse: s-maj=147.8km s-min=30.9km az=162.0.
ISC II 09 02 30 42.3–.95 17.0S–.40 179.1W–.20 533 3.8b 14 8-144
ISCJB II 09 02 30 41.1–.82 17.1S–.40 179.1W–.20 533 3.9b ¶15955284
IDC II 09 02 30 43.3–1.9 17.27S 178.92W 555–26 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=55.5km s-min=11.3km az=152.5.
IDC Error ellipse: s-maj=72.3km s-min=12.2km az=152.0.
IDC II 09 03 51 15.2–6.1 18.35S 176.32W 0 4.2,3.9
¶15955288

IDC Error ellipse: s-maj=309.0km s-min=45.2km az=146.0.
IDC II 09 05 59 09.1–3.0 19.66S 178.02W 0 4.0,3.8
¶15955290

IDC Error ellipse: s-maj=178.7km s-min=27.8km az=152.0.
IDC II 09 11 11 33.9–10 20.78S 177.92W 409–113 3.4,3.2
¶15955296

IDC Error ellipse: s-maj=51.9km s-min=31.0km az=151.0.
IDC II 09 11 46 12.1–6.6 18.25S 178.34W 596–82 3.4,3.2
¶15955298

IDC Error ellipse: s-maj=77.5km s-min=32.2km az=152.0.
IDC II 09 15 53 50.6–1.7 17.44S 178.63W 479–22 3.4,3.2
¶15955306

IDC Error ellipse: s-maj=29.8km s-min=15.0km az=152.0.
IDC II 09 19 34 38.4–5.2 17.97S 178.52W 569–59 3.5,3.4
¶15955313

IDC Error ellipse: s-maj=26.4km s-min=19.6km az=132.0.
ISC II 10 05 49 02.7–1.2 18.3S–.40 179.2W–.20 548 4.4b 16 14-148
IDC II 10 05 48 59.8–5.9 18.10S 179.09W 508–60 3.9,3.8 ¶15955351
ISCJB II 10 05 49 01.0–1.3 18.3S–.40 179.1W–.20 548 4.3b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC II 10 08 40 31.5–51 16.72S 177.20W 0 4.0,3.8
¶15955354

IDC Error ellipse: s-maj=952.2km s-min=174.5km az=78.0.
IDC II 10 13 40 02.3–1.8 18.13S 178.03W 632–23 3.3,3.1
¶15955360

IDC Error ellipse: s-maj=23.1km s-min=14.4km az=144.0.
IDC II 10 13 40 59.6–23 18.25S 178.31W 665–198 3.4,3.2
¶15955363

IDC Error ellipse: s-maj=210.5km s-min=93.5km az=75.0.
ISC II 10 22 40 35.3–1.1 18.6S–.20 178.0W–.20 557 4.5b 17 8-146
ISCJB II 10 22 40 34.0–1.2 18.6S–.20 177.8W–.20 557 4.4b ¶15955377
IDC II 10 22 40 41.4–1.7 18.68S 178.05W 630–21 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.1km s-min=23.5km az=154.5.
IDC Error ellipse: s-maj=27.1km s-min=15.4km az=157.0.
ISC II 11 09 31 05.7–.41 20.80S–.05 177.21W–.05 18–1 5.5b,5.1s 710 5-177
IDC II 11 09 31 02.6–.55 20.71S 177.16W 0 4.9,4.9 ¶11671863

NEIC II 11 09 31 04.5–.20 20.78S 177.30W 10 5.5b,5.5W
ISCJB II 11 09 31 04.5–1.6 20.77S–.04 177.35W–.03 15–10 5.4b,5.1s
BJI II 11 09 31 04.1 20.27S 176.92W 13 5.7b,5.3s
DJA II 11 09 31 05.9–.30 21S–9.0 177W–6.0 10 6.1,6.0b
MOS II 11 09 31 07.7–1.2 20.44S 177.44W 33 5.7b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=14.5km az=149.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.7km az=149.0. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.76 $M_{\theta\theta}$2.42 $M_{\phi\phi}$-1.67 $M_{r\theta}$0.21 $M_{\theta\phi}$0.66 $M_{\phi r}$0.02 Best double couple: NP1:ϕ_s36.00000°,δ87.00000°,λ178.00000°. NP2:ϕ_s126.00000° ,δ88.00000°,λ3.00000°. Principal axes: T 2.5400,Plg3.0000°,Azm351.0000° ; N -0.7700,Plg86.0000°,Azm162.0000°; P -1.7700,Plg0.0000°,Azm261.0000° M_o2.30000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.0km az=160.0.
MOS Error ellipse: s-maj=10.3km s-min=8.7km az=45.9.
IDC II 11 10 49 58.6–5.6 17.59S 178.80W 615–75 3.3,3.2 ¶15955418
IDC Error ellipse: s-maj=78.2km s-min=27.8km az=154.0.
IDC II 11 15 35 03.4–13 17.71S 178.46W 500–136 3.5,3.3 ¶15955425
IDC Error ellipse: s-maj=81.3km s-min=36.3km az=55.0.
ISC II 11 18 14 45.8–1.3 15.2S–.20 178.5W–.20 390 4.2b 11 31-145
IDC II 11 18 14 42.4–14 15.20S 178.41W 355–134 3.7,3.6 ¶15955429
ISCJB II 11 18 14 44.9–1.2 15.2S–.20 178.6W–.20 390 4.2b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC II 12 04 05 46.9–.34 20.60S–.07 177.72W–.07 500 4.4b 504 5-173
SZGRF II 12 04 04 52.4 20.82S 176.73W 33 4.4b ¶11671950
BJI II 12 04 05 43.2 20.40S 177.70W 448 5.2b,4.8b
ISCJB II 12 04 05 46.6–.17 20.59S–.06 177.86W–.04 500 4.4b,4.8b
NEIC II 12 04 05 47.2–.61 20.58S 177.82W 502–7 4.5b,4.8b
IDC II 12 04 05 48.4–2.3 20.52S 177.82W 515–24 4.1,4.0
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.2km az=153.1.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.7km az=148.0.
IDC Error ellipse: s-maj=14.9km s-min=11.2km az=149.0.
IDC II 12 07 26 56.8–1.7 17.37S 178.26W 602–25 3.4,3.3 ¶15955650
IDC Error ellipse: s-maj=44.1km s-min=13.7km az=158.0.
IDC II 12 07 28 57.7–1.7 18.04S 177.80W 604–21 3.7,3.6b ¶15955651
IDC Error ellipse: s-maj=22.0km s-min=16.5km az=160.0.
IDC II 12 19 22 44.0–1.3 15.98S 176.02W 342–17 3.7,3.5 ¶15955796
IDC Error ellipse: s-maj=80.0km s-min=12.2km az=149.0.
ISC II 13 00 54 13.4–.61 17.7S–.10 178.9W–.10 539 4.3b 39 8-175
ISCJB II 13 00 54 12.3–.53 17.7S–.10 178.9W–.10 539 4.4b ¶15955865
IDC II 13 00 54 15.3–2.3 17.67S 178.96W 556–25 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=8.6km az=147.4.
IDC Error ellipse: s-maj=17.4km s-min=11.0km az=143.0.
IDC II 13 14 09 31.4–16 19.80S 176.65W 321–127 3.6,3.4 ¶15955937
IDC Error ellipse: s-maj=218.2km s-min=46.0km az=140.0.
IDC II 13 15 23 54.0–1.4 21.61S 176.83W 0 4.3,4.1b ¶15955949
IDC Error ellipse: s-maj=42.4km s-min=31.0km az=9.0.
IDC II 14 00 30 26.3–3.3 16.76S 177.13W 0 4.6,4.4 ¶15956021
IDC Error ellipse: s-maj=162.8km s-min=40.3km az=142.0.
IDC II 14 00 54 41.0–10.0 19.43S 176.74W 200–89 3.7,3.5 ¶15956022
IDC Error ellipse: s-maj=30.4km s-min=28.5km az=149.0.
IDC II 14 04 19 10.1–1.9 20.95S 179.66W 0 4.1,3.8 ¶15956031
IDC Error ellipse: s-maj=156.9km s-min=24.3km az=156.0.
IDC II 14 05 35 28.5–7.8 17.69S 178.37W 506–92 3.5,3.3 ¶15956034
IDC Error ellipse: s-maj=58.1km s-min=29.6km az=150.0.
IDC II 14 06 00 19.7–1.2 17.67S 178.13W 536–14 3.8,3.6
SZGRF II 14 05 59 22.1 18.34S 177.55W 33 3.8,3.6 ¶11677827
PRU II 14 06 00 20.3 17.70S 178.00W 547 3.8,3.6
IDC Error ellipse: s-maj=22.7km s-min=9.3km az=155.0.
SZGRF Fiji Islands region.
IDC II 14 07 17 48.9–1.9 17.67S 178.66W 542–23 3.6,3.4 ¶15956038
IDC Error ellipse: s-maj=51.4km s-min=11.7km az=153.0.
IDC II 14 14 07 07.8–1.7 20.14S 177.75W 494–19 3.7,3.5 ¶15956061
IDC Error ellipse: s-maj=22.3km s-min=12.9km az=148.0.
ISC II 14 14 48 14.8–.66 18.6S–.20 177.8W–.10 557 4.2b 54 7-150
SZGRF II 14 14 47 16.2 18.55S 176.72W 33 4.2b ¶12700672
ISCJB II 14 14 48 14.4–.52 18.6S–.10 177.9W–.10 557 4.1b
IDC II 14 14 48 14.0–1.4 18.58S 177.88W 538–16 3.8,3.7
ISC Event type ke.
SZGRF Fiji Islands region.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=7.5km az=146.9.
IDC Error ellipse: s-maj=19.9km s-min=10.4km az=147.0.
IDC II 14 20 18 45.7–20 20.16S 179.74W 648–203 3.1,2.8 ¶15956084
IDC Error ellipse: s-maj=270.8km s-min=73.7km az=136.0.
IDC II 15 03 07 56.1–55 19.27S 179.48W 0 4.3,4.1 ¶15956121
IDC Error ellipse: s-maj=993.6km s-min=155.3km az=81.0.
ISC II 15 06 42 03.8–.93 20.88S–.09 178.55W–.09 581–9 4.3b 160 4-172
SZGRF II 15 06 40 58.3 22.59S 178.39W 33 4.3b ¶13434655
ISCJB II 15 06 42 03.4–.88 20.86S–.07 178.5W–.10 589–10 4.2b
NEIC II 15 06 42 03.5–.78 20.90S 178.45W 582–8 4.6b
IDC II 15 06 42 03.1–1.6 20.92S 178.42W 574–15 3.8,3.8
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=10.1km az=22.5.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.3km az=137.0.
IDC Error ellipse: s-maj=21.5km s-min=12.3km az=135.0.
IDC II 15 08 50 27.5–5.0 20.75S 178.55W 605–55 3.4,3.2 ¶15956147
IDC Error ellipse: s-maj=74.6km s-min=26.8km az=154.0.
IDC II 15 12 36 27.2–1.8 16.39S 176.14W 366–69 3.2,3.0 ¶15956155
IDC Error ellipse: s-maj=299.1km s-min=24.4km az=143.0.
IDC II 16 13 57 21.1–2.7 20.85S 178.73W 625–31 3.7,3.5 ¶15956271
IDC Error ellipse: s-maj=18.2km s-min=14.4km az=149.0.
ISC II 16 15 08 55.1–.75 19.8S–.20 177.6W–.10 550 3.7b 33 8-150
SZGRF II 16 15 07 53.2 21.57S 178.07W 33 3.7b ¶15956280
ISCJB II 16 15 08 53.7–.79 19.8S–.20 177.7W–.10 550 3.8b
IDC II 16 15 08 53.3–2.1 19.95S 177.76W 532–22 3.6,3.4
ISC Event type ke.
SZGRF Fiji Islands region.
ISCJB Event type ke. Error ellipse: s-maj=29.0km s-min=10.2km az=145.1.
IDC Error ellipse: s-maj=25.5km s-min=14.8km az=150.0.
IDC II 16 21 09 24.4–1.6 18.79S 176.45W 0 4.1,4.0 ¶15956306
IDC Error ellipse: s-maj=44.4km s-min=39.5km az=7.0.
IDC II 17 11 58 57.7–2.9 21.53S 179.07W 543–29 3.3,3.1 ¶15956406
IDC Error ellipse: s-maj=75.3km s-min=15.0km az=152.0.
IDC II 18 22 44 46.8–6.2 17.66S 178.66W 582–69 3.3,3.1 ¶15956596
IDC Error ellipse: s-maj=74.2km s-min=29.7km az=150.0.

IDC II 19 05 15 54.2–1.6 17.20S 177.58W 0 4.4,4.1 ¶15956688
IDC Error ellipse: s-maj=107.2km s-min=21.2km az=150.0.
IDC II 19 11 18 26.9–2.1 17.53S 177.41W 0 4.1,3.8 ¶15956702
IDC Error ellipse: s-maj=124.5km s-min=27.2km az=152.0.
ISC II 19 16 02 07.2–.73 20.2S–.20 178.4W–.10 602 4.0b 37 9-150
ISCJB II 19 16 02 06.6–.63 20.3S–.10 178.4W–.10 602 4.1b ¶15956720
IDC II 19 16 02 10.2–2.0 20.29S 178.54W 629–24 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=7.9km az=145.5.
IDC Error ellipse: s-maj=17.8km s-min=11.9km az=150.0.
ISC II 19 20 38 28.4–.49 20.6S–.10 177.99W–.09 534 4.6b 134 5-173
SZGRF II 19 20 37 28.9 21.65S 176.73W 33 4.6b ¶12701279
IDC II 19 20 38 25.8–2.1 20.50S 177.88W 501–22 3.9,3.8
NEIC II 19 20 38 26.5–.76 20.51S 177.86W 514–7 4.6b,3.8
ISCJB II 19 20 38 28.3–.67 20.54S–.10 178.1W–.10 534 4.4b,3.8
ISC Event type se.
SZGRF Fiji Islands region.
NEIC Event type se.
ISCJB Event type se.
ISC II 20 01 46 18.4–.24 18.44S–.04 178.66W–.04 522–1 5.1b 1709 3-175
BJI II 20 01 46 16.7 18.27S 178.35W 518 5.0b,4.9b ¶11712986
NEIC II 20 01 46 17.9–.10 18.37S 178.75W 515 5.6W,5.1b
SZGRF II 20 01 46 17.8 18.61S 176.23W 524 5.6W,5.1b
DJA II 20 01 46 17 19.17S 178.65W 514 5.1b,5.1b
BGS II 20 01 46 18.2–6.0 18.37S 178.75W 515 5.1b,5.1b
ISCJB II 20 01 46 18.7–.66 18.40S–.05 178.80W–.03 531–7 5.0b,5.1b
IDC II 20 01 46 18.3–.66 18.41S 178.69W 519–6 4.7,4.7
MOS II 20 01 46 19.0–.87 18.23S 178.76W 526 5.1b,4.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.0km az=152.0. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.46 $M_{\theta\theta}$1.22 $M_{\phi\phi}$0.25 $M_{r\theta}$2.02 $M_{\theta\phi}$1.28 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s27.00000°,δ31.00000°,λ-143.00000°. NP2:ϕ_s264.00000° ,δ72.00000°,λ-64.00000°. Principal axes: T 2.7600,Plg22.0000°,Azm334.0000° ; N 0.0000,Plg24.0000°,Azm75.0000°; P -2.7500,Plg55.0000°,Azm207.0000° M_o2.80000×10^{17}
SZGRF Fiji Islands region.
BGS Error ellipse: s-maj=358.8km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.5km az=163.0.
IDC Error ellipse: s-maj=11.8km s-min=8.6km az=153.0.
MOS Error ellipse: s-maj=8.4km s-min=7.2km az=49.8.
IDC II 20 03 52 42.8–4.5 15.29S 179.97W 0 4.3,4.2b ¶15956803
IDC Error ellipse: s-maj=248.6km s-min=67.2km az=143.0.
IDC II 20 14 02 22.7–2.7 21.00S 179.02W 600–29 3.1,3.0 ¶15956819
IDC Error ellipse: s-maj=25.7km s-min=18.2km az=138.0.
IDC II 20 22 56 49.1–3.7 18.01S 178.60W 623–42 3.2,3.0 ¶15956843
IDC Error ellipse: s-maj=32.2km s-min=18.7km az=153.0.
IDC II 21 19 36 29.5–6.4 17.78S 178.61W 541–68 3.3,3.2 ¶15956892
IDC Error ellipse: s-maj=30.7km s-min=21.4km az=89.0.
IDC II 22 02 01 54.2–28 20.40S 178.01W 579–283 3.4,3.2 ¶15956911
IDC Error ellipse: s-maj=191.0km s-min=56.5km az=94.0.
ISC II 22 09 00 50.1–.52 15.67S–.08 178.31W–.07 439–4 4.6b 652 4-177
SZGRF II 22 09 00 01.8 16.48S 177.74W 33 4.6b ¶11713522
ISCJB II 22 09 00 49.8–.99 15.66S–.07 178.45W–.05 441–11 4.5b
IDC II 22 09 00 49.7–1.4 15.63S 178.36W 433–14 4.1,4.1
NEIC II 22 09 00 50.3–.62 15.72S 178.38W 442–7 4.6b,4.1
BJI II 22 09 00 50.0 15.70S 178.40W 438 5.1b,4.6b
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=5.4km az=157.9.
IDC Error ellipse: s-maj=15.9km s-min=8.5km az=148.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.6km az=149.0.
IDC II 23 00 15 08.2–6.3 21.43S 177.07W 128–48 3.9,3.8 ¶15957012
IDC Error ellipse: s-maj=138.9km s-min=30.3km az=144.0.
IDC II 23 03 11 00.8–2.1 14.90S 176.48W 0 4.2,4.1 ¶15957022
IDC Error ellipse: s-maj=177.1km s-min=30.8km az=165.0.
ISC II 23 16 25 13.2–.54 18.4S–.10 178.83W–.10 548 4.0b 105 8-151
SZGRF II 23 16 24 10.7 20.14S 178.79W 33 4.0b ¶13567789
PRU II 23 16 24 19.8 16.70S 175.75W 30 4.0b
VIE II 23 16 25 05.7 18.34S 178.66W 456 3.6b
ISCJB II 23 16 25 12.4–.51 18.5S–.10 178.87W–.09 548 4.0b
IDC II 23 16 25 13.7–2.0 18.44S 178.82W 550–22 3.7,3.6
ISC Event type ke.
SZGRF Fiji Islands region.
VIE 310 km E of Suva .
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=10.6km az=149.5.
IDC Error ellipse: s-maj=13.9km s-min=10.0km az=146.0.
IDC II 24 02 28 34.9–1.8 17.02S 178.08W 0 4.3,4.0 ¶15957130
IDC Error ellipse: s-maj=157.2km s-min=31.2km az=156.0.
ISC II 24 02 59 45.3–.53 17.8S–.10 178.56W–.09 579 4.3b 217 3-145
ISCJB II 24 02 59 44.6–.23 17.7S–.10 178.71W–.07 579 4.4b ¶12701697
IDC II 24 02 59 46.3–1.4 18.01S 178.45W 601–17 4.0,3.7
NEIC II 24 02 59 48.2–.64 17.80S 178.67W 610–7 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=4.4km az=151.7.
IDC Error ellipse: s-maj=24.4km s-min=10.0km az=155.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.8km az=149.0.
IDC II 24 03 58 51.3–16 18.94S 178.07W 432–186 3.1,2.9 ¶15957131
IDC Error ellipse: s-maj=143.3km s-min=54.6km az=163.0.
IDC II 24 07 09 37.7–4.0 16.66S 178.48W 0 4.2,4.0 ¶15957144
IDC Error ellipse: s-maj=180.3km s-min=31.1km az=138.0.
IDC II 24 07 45 46.6–6.5 17.67S 178.36W 569–72 3.3,3.1 ¶15957149
IDC Error ellipse: s-maj=93.0km s-min=23.4km az=151.0.
IDC II 24 22 23 21.2–60 19.22S 179.30W 0 3.9,3.7 ¶15957186
IDC Error ellipse: s-maj=1093.0km s-min=148.2km az=81.0.
IDC II 25 00 09 31.9–65 21.59S 178.99W 0 4.2,4.0 ¶15957224
IDC Error ellipse: s-maj=1186.0km s-min=165.1km az=84.0.
IDC II 25 00 39 35.7–4.8 20.61S 179.09W 579–50 3.3,3.1 ¶15957227
IDC Error ellipse: s-maj=114.1km s-min=24.7km az=156.0.
IDC II 25 01 08 27.2–14 15.41S 176.77W 324–149 3.3,3.1 ¶15957228
IDC Error ellipse: s-maj=153.2km s-min=34.4km az=149.0.
IDC II 25 16 08 08.0–1.9 19.14S 177.63W 524–20 3.6,3.4 ¶15957253
IDC Error ellipse: s-maj=55.3km s-min=11.4km az=151.0.
IDC II 25 16 20 52.6–1.8 20.13S 176.82W 0 4.2,4.1 ¶15957259
IDC Error ellipse: s-maj=51.1km s-min=39.3km az=11.0.
IDC II 25 18 05 39.3–10 20.50S 177.77W 514–96 3.6,3.4 ¶15957265
IDC Error ellipse: s-maj=90.8km s-min=45.6km az=131.0.
IDC II 26 01 56 52.1–4.8 19.95S 176.48W 0 4.4,4.1 ¶15957333
IDC Error ellipse: s-maj=273.9km s-min=51.6km az=152.0.
IDC II 26 15 44 53.0–3.2 20.81S 178.81W 593–34 3.3,3.1 ¶15957366

IDC Error ellipse: s-maj=25.1km s-min=21.7km az=88.0.
IDC II 26 17 41 37.4–24 18.40S 177.26W 521–215 2.9,2.7
¶15957371

IDC Error ellipse: s-maj=286.9km s-min=43.3km az=132.0.
IDC II 26 18 03 45.6–2.9 18.12S 178.03W 598–33 3.6,3.4
VIE II 26 18 03 37.5 17.95S 177.89W 498 3.4b,3.4 **¶12701945**
IDC Error ellipse: s-maj=36.0km s-min=12.1km az=150.0.
VIE 391 km E of Suva .
IDC II 26 19 58 34.3–63 20.81S 178.22W 0 3.7,3.5
¶15957375

IDC Error ellipse: s-maj=1148.0km s-min=154.9km az=83.0.
IDC II 27 13 47 42.8–8.2 16.41S 177.17W 0 4.2,4.0
¶15957455

IDC Error ellipse: s-maj=213.5km s-min=43.7km az=26.0.
IDC II 27 16 33 36.2–3.2 21.58S 177.76W 327–33 3.6,3.5
¶15957461

IDC Error ellipse: s-maj=28.4km s-min=19.7km az=170.0.
IDC II 28 12 00 01.1–5.9 18.83S 179.92W 687–66 3.4,3.2
¶15957516

IDC Error ellipse: s-maj=43.8km s-min=29.8km az=60.0.
IDC II 28 14 00 38.0–18 18.89S 178.21W 650–234 2.9b
¶15957523

IDC Error ellipse: s-maj=96.9km s-min=33.4km az=84.0.
IDC II 28 18 07 24.1–53 16.51S 176.12W 0 4.0,3.8
¶15957540

IDC Error ellipse: s-maj=991.6km s-min=175.7km az=78.0.
ISC II 28 18 55 15.8–.74 17.1S–.20 178.9W–.20 533 3.9b 20 8-147
IDC II 28 18 55 11.2–2.1 17.04S 178.84W 477–24 3.9,3.6 **¶15957544**
ISCJB II 28 18 55 14.9–.64 17.1S–.20 179.0W–.20 533 4.0b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC III 01 04 33 16.3–.67 20.65S–.09 176.72W–.09 280–4 4.1b 128 6-172
SZGRF III 01 04 32 50.1 19.65S 176.14W 33 4.1b **¶11730997**
IDC III 01 04 33 09.5–.90 20.54S 176.70W 216–8 4.0,3.9
BJI III 01 04 33 11.4 20.88S 175.99W 276 4.6b,4.4b
ISCJB III 01 04 33 15.6–1.8 20.7S–.10 176.82W–.09 281–17 4.2b,4.4b
NEIC III 01 04 33 16.8–1.1 20.60S 176.84W 284–10 4.3b,4.4b
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=17.0km s-min=11.4km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=10.4km az=145.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.9km az=145.0.
IDC III 01 05 12 50.8–2.1 14.64S 177.68W 380–29 3.6,3.5b
¶12702163

IDC Error ellipse: s-maj=49.7km s-min=23.0km az=2.0.
ISC III 01 12 31 20.2–.62 20.5S–.20 177.9W–.10 534 4.1b 63 9-173
SZGRF III 01 12 30 20.3 21.66S 177.55W 33 4.1b **¶12702190**
PRU III 01 12 30 33.8 16.70S 175.75W 30 4.1b
ISCJB III 01 12 31 19.8–.61 20.4S–.10 177.9W–.10 534 4.0b
IDC III 01 12 31 25.2–2.1 20.53S 178.02W 586–23 3.8,3.7
ISC Event type ke.
SZGRF Fiji Islands region.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=11.2km az=146.9.
IDC Error ellipse: s-maj=20.2km s-min=10.3km az=150.0.
IDC III 01 14 16 04.8–6.5 17.88S 178.29W 626–74 3.3,3.1b
¶12702196

IDC Error ellipse: s-maj=45.5km s-min=27.1km az=118.0.
ISC III 01 15 42 13.8–.24 21.75S–.04 176.50W–.04 173–1 5.2b 1541 7-178
ISCJB III 01 15 42 08.4–1.6 21.74S–.05 176.61W–.03 132–14 5.2b **¶13435292**
DJA III 01 15 42 09.7–1.7 22S–11 176W–12 126–23 7.0,6.2
MOS III 01 15 42 11.1–.90 21.59S 176.59W 153 5.3b,6.2
BJI III 01 15 42 12.6 21.17S 176.04W 171 5.2b,5.2b
NEIC III 01 15 42 13.7–.11 21.76S 176.58W 173 5.2b,5.2b
IDC III 01 15 42 13.8–.68 21.66S 176.55W 170–5 5.1,5.1
GCMT III 01 15 42 15.9–.10 21.83S 176.16W 180–0 5.5W,5.1
SZGRF III 01 15 42 15.7 21.30S 177.11W 164 5.5W,5.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.0km az=167.3.
MOS Error ellipse: s-maj=8.9km s-min=7.8km az=140.3.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=154.0.
IDC Error ellipse: s-maj=9.5km s-min=8.0km az=11.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 112 sta. Moment Tensor Solution. s91,c170; s99,c217; Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.02 $M_{\theta\theta}$-0.70±.03; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$-1.31±.02; $M_{\theta\phi}$-0.22±.03; $M_{\phi r}$-1.59±.02; Best double couple: NP1: ϕ_s93.00000°,δ13.00000°,λ140.00000°. NP2:ϕ_s222.00000°,δ82.00000°,λ80.00000°. Principal axes: T 2.2700,Plg52.0000°,Azm121.0000°; N -0.1700,Plg10.0000°,Azm224.0000° ; P -2.1000,Plg36.0000°,Azm321.0000° M_o2.20000×10^{17}
SZGRF Fiji Islands region.
IDC III 01 16 58 53.7–5.8 21.94S 176.37W 0 4.0,3.9
¶12702205

IDC Error ellipse: s-maj=201.1km s-min=31.8km az=141.0.
IDC III 02 02 30 26.9–66 20.49S 179.06W 0 4.0,3.9b
¶12702227

IDC Error ellipse: s-maj=1190.0km s-min=158.2km az=83.0.
IDC III 02 04 06 41.7–6.1 14.89S 176.90W 293–123 3.5,3.3
¶12702233

IDC Error ellipse: s-maj=281.5km s-min=24.0km az=144.0.
IDC III 02 05 01 04.3–1.9 18.50S 178.01W 387–20 3.5,3.4
¶12702236

IDC Error ellipse: s-maj=28.4km s-min=12.1km az=148.0.
IDC III 02 07 52 38.0–48 17.35S 177.90W 0 4.0,3.8b
¶12702244

IDC Error ellipse: s-maj=888.9km s-min=165.1km az=79.0.
ISC III 02 14 26 09.3–.58 19.1S–.10 177.50W–.10 600 4.2b 37 7-149
IDC III 02 14 26 07.9–1.4 19.14S 177.56W 576–16 3.7,3.6 **¶15153016**
ISCJB III 02 14 26 08.1–.47 19.1S–.10 177.56W–.09 600 4.0b,3.6
AUST III 02 14 26 09.1 19.45S 177.29W 600 4.0b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=18.3km s-min=12.1km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=7.5km az=151.1.
IDC III 02 22 36 06.1–7.9 21.00S 176.75W 0 4.1,3.9b
¶12702304

IDC Error ellipse: s-maj=419.3km s-min=39.7km az=150.0.
IDC III 03 09 49 40.6–12 20.85S 179.08W 587–129 3.1,2.9b
¶12702335

IDC Error ellipse: s-maj=140.0km s-min=49.0km az=132.0.
IDC III 03 12 29 13.2–1.9 15.08S 178.93W 415–22 3.6,3.4
¶12702346

IDC Error ellipse: s-maj=32.9km s-min=11.2km az=150.0.
IDC III 03 15 43 41.7–7.1 20.95S 176.98W 148–61 3.9,3.7
¶12702362

IDC Error ellipse: s-maj=109.0km s-min=19.2km az=154.0.
IDC III 03 16 27 18.6–14 19.98S 177.08W 465–126 3.5,3.2b
¶12702365

IDC Error ellipse: s-maj=183.9km s-min=51.4km az=141.0.
IDC III 03 17 26 49.2–1.3 17.77S 178.74W 547–15 3.6,3.6
¶12702368

IDC Error ellipse: s-maj=19.0km s-min=11.1km az=143.0.
IDC III 03 17 44 31.2–63 19.30S 179.91W 0 4.3,4.1b
¶12702370

IDC Error ellipse: s-maj=1139.0km s-min=147.2km az=80.0.
IDC III 03 19 51 53.1–49 17.44S 178.75W 0 4.0,3.8b
¶12702380

IDC Error ellipse: s-maj=888.5km s-min=154.5km az=78.0.
IDC III 04 11 16 26.9–2.3 21.71S 179.47W 614–27 3.5,3.3b
¶12702420

IDC Error ellipse: s-maj=20.0km s-min=14.2km az=172.0.
IDC III 04 17 01 31.2–2.3 20.16S 177.51W 499–25 3.3,3.2
¶12702437

IDC Error ellipse: s-maj=30.7km s-min=21.2km az=117.0.
IDC III 05 00 47 50.1–3.2 14.95S 176.60W 0 4.1,3.7b
¶12702464

IDC Error ellipse: s-maj=174.8km s-min=28.3km az=146.0.
ISC III 05 08 30 31.3–.36 19.19S–.05 177.52W–.05 573–3 4.8b 763 4-174
SZGRF III 05 08 29 26.6 20.76S 176.98W 33 4.8b **¶15153054**
ISCJB III 05 08 30 29.3–.63 19.25S–.05 177.60W–.03 557–8 4.8b
AUST III 05 08 30 30.8–.00 19.16S 177.31W 578–0 4.8b
IDC III 05 08 30 31.3–.66 19.16S 177.56W 572–7 4.3,4.3
NEIC III 05 08 30 31.0–.16 19.21S 177.56W 573 4.7b,4.3
BGS III 05 08 30 31.3–2.5 19.21S 177.56W 573 4.7b,4.3
DJA III 05 08 30 31.1–.90 19S–12 178W–10 574–14 5.8,5.3
BJI III 05 08 30 33.1 18.66S 177.95W 573 4.9b,4.7b
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.3km az=160.0.
AUST Error ellipse: s-maj=1.3km s-min=1.1km az=293.0.
IDC Error ellipse: s-maj=10.3km s-min=7.8km az=157.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=146.0.
BGS Error ellipse: s-maj=250.3km s-min=999.9km az=-1.0.
IDC III 05 10 01 05.6–1.3 16.03S 176.42W 346–16 3.7,3.6b
¶12702486

IDC Error ellipse: s-maj=21.6km s-min=13.7km az=147.0.
ISC III 05 19 33 15.4–.23 17.52S–.04 178.91W–.03 538–1 5.3b 1684 3-176
SZGRF III 05 19 33 09.7 19.30S 179.65W 515 5.3b **¶15153057**
BJI III 05 19 33 12.6 17.39S 178.40W 535 5.3b,5.2b
BGS III 05 19 33 13.0–8.6 17.51S 179.06W 532 5.9b,5.2b
ISCJB III 05 19 33 13.5–.63 17.52S–.04 179.08W–.02 523–7 5.3b,5.2b
IDC III 05 19 33 13.9–.79 17.50S 179.00W 517–8 4.9b,4.9
MOS III 05 19 33 14.5–.83 17.50S 179.05W 537 5.5b,4.9
DJA III 05 19 33 14.8–.80 17S–7.0 179W–7.0 549–11 5.7b,5.4b
NEIC III 05 19 33 14.9–.12 17.51S 179.06W 532 5.8W,5.8W
AUST III 05 19 33 17.0–1.7 17.61S 178.89W 562–0 5.8W,5.8W
GCMT III 05 19 33 18.5–.20 17.46S 178.90W 553–1 5.9W,5.8W
ISC Event type se.
SZGRF Fiji Islands region.
BGS Error ellipse: s-maj=418.4km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=2.7km az=164.2.
IDC Error ellipse: s-maj=9.4km s-min=7.0km az=161.0.
MOS Error ellipse: s-maj=9.0km s-min=7.6km az=137.7.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.3km az=151.0. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}1.05 $M_{\theta\theta}$3.19 $M_{\phi\phi}$-4.24 $M_{r\theta}$3.66 $M_{\theta\phi}$3.16 $M_{\phi r}$-0.15 Best double couple: NP1:ϕ_s118.00000°,δ78.00000°,λ34.00000°. NP2:ϕ_s20.00000° ,δ57.00000°,λ165.00000°. Principal axes: T 6.5100,Plg32.0000°,Azm344.0000° ; N -0.7600,Plg53.0000°,Azm135.0000°; P -5.7500,Plg13.0000°,Azm245.0000° M_o6.20000×10^{17}
AUST Error ellipse: s-maj=1.4km s-min=1.0km az=257.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s99,c194; s53,c54; Moment tensor: Scale 10^{17}Nm; M_{rr}1.21±.08 $M_{\theta\theta}$4.64±.12; $M_{\phi\phi}$-5.85±.12; $M_{r\theta}$4.01±.12; $M_{\theta\phi}$4.84±.11; $M_{\phi r}$-0.61±.12; Best double couple: NP1:ϕ_s21.00000°,δ61.00000°,λ170.00000°. NP2:ϕ_s116.00000°,δ81.00000°,λ29.00000°. Principal axes: T 8.3300,Plg27.0000° ,Azm342.0000°; N -0.1100,Plg59.0000°,Azm132.0000°; P -8.2200,Plg13.0000° ,Azm245.0000° M_o8.30000×10^{17}
ISC III 06 07 00 03.8–.31 20.04S–.07 177.71W–.05 550 4.7b 636 5-173
SZGRF III 06 06 59 01.6 21.57S 178.07W 33 4.7b **¶15850250**
BJI III 06 07 00 00.6 20.05S 176.92W 556 5.0b,4.7b
IDC III 06 07 00 01.9–1.6 19.93S 177.72W 527–19 4.3,4.3
ISCJB III 06 07 00 03.0–.14 20.06S–.05 177.80W–.03 550 4.7b,4.3
NEIC III 06 07 00 03.4–.51 19.96S 177.76W 544–6 4.6b,4.3
DJA III 06 07 00 06.1–5.0 20S–21 178W–26 565–42 5.4b,4.9
AUST III 06 07 00 08.0 19.99S 177.78W 600 5.4b,4.9
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=11.8km s-min=8.9km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=2.8km az=159.5.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.9km az=157.0.
IDC III 06 11 07 53.4–13 17.99S 177.86W 601–121 3.4,3.2b
¶12702557

IDC Error ellipse: s-maj=141.7km s-min=29.2km az=125.0.
IDC III 06 21 18 23.9–9.6 21.20S 178.14W 384–97 3.5,3.2b
¶12702591

IDC Error ellipse: s-maj=104.0km s-min=33.2km az=151.0.
IDC III 06 23 01 48.1–14 17.29S 178.38W 523–119 3.0,2.8
¶12702597

IDC Error ellipse: s-maj=279.6km s-min=42.4km az=143.0.
IDC III 07 03 55 09.8–6.8 18.24S 178.09W 587–76 3.3,3.1b
¶12702611

IDC Error ellipse: s-maj=42.9km s-min=33.8km az=27.0.
ISC III 07 05 09 41.7–1.1 17.8S–.30 178.6W–.20 579 3.9b 44 44-150
SZGRF III 07 05 08 34.5 18.39S 178.40W 33 3.9b **¶12702615**
PRU III 07 05 08 43.7 16.70S 175.75W 30 3.9b
ISCJB III 07 05 09 41.4–1.1 17.6S–.30 178.7W–.20 579 3.9b
IDC III 07 05 09 42.4–4.2 17.81S 178.60W 585–46 3.8,3.6
ISC Event type ke.
SZGRF Fiji Islands region.
ISCJB Event type ke. Error ellipse: s-maj=44.5km s-min=16.4km az=156.8.
IDC Error ellipse: s-maj=41.0km s-min=17.2km az=150.0.
ISC III 07 10 20 04.7–.46 19.36S–.08 177.52W–.07 550 4.5b 126 5-151
SZGRF III 07 10 19 05.5 19.36S 176.08W 33 4.5b **¶11788764**
ISCJB III 07 10 20 03.6–.36 19.31S–.08 177.64W–.07 550 4.3b
NEIC III 07 10 20 05.7–.87 19.42S 177.53W 571–10 4.8b
BJI III 07 10 20 05.1 18.61S 177.62W 539 4.8b,4.5b
IDC III 07 10 20 08.5–1.6 19.26S 177.75W 593–18 3.7,3.7
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.3km az=144.3.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=10.6km az=149.0.
IDC Error ellipse: s-maj=14.1km s-min=9.6km az=147.0.
IDC III 07 19 46 31.4–7.0 21.33S 177.90W 394–69 3.6,3.4
¶12702660

IDC Error ellipse: s-maj=29.1km s-min=25.7km az=157.0.
IDC III 07 20 53 09.2–8.2 17.54S 178.84W 634–112 3.4,3.2b
¶12702663

IDC Error ellipse: s-maj=83.6km s-min=35.7km az=157.0.
IDC III 07 23 32 26.8–9.1 19.13S 177.78W 555–101 3.3,3.0b
¶12702673

IDC Error ellipse: s-maj=39.5km s-min=33.0km az=60.0.
IDC III 08 06 20 48.6–14 21.94S 179.96W 669–124 2.8,2.7
¶12702690

IDC Error ellipse: s-maj=249.7km s-min=76.7km az=144.0.
IDC III 08 08 53 28.6–3.7 17.90S 177.65W 316–26 3.5,3.2
¶12702703

IDC Error ellipse: s-maj=183.8km s-min=16.0km az=154.0.
IDC III 08 09 36 50.2–8.8 19.03S 178.09W 556–97 3.1,2.8
¶12702707

IDC Error ellipse: s-maj=92.7km s-min=33.9km az=150.0.
IDC III 08 18 15 14.7–2.1 17.59S 178.54W 536–25 3.4,3.2b
¶12702744

IDC Error ellipse: s-maj=74.4km s-min=13.8km az=157.0.
IDC III 09 11 31 55.1–50 15.81S 177.40W 0 3.9,3.7b
¶12702796

IDC Error ellipse: s-maj=927.7km s-min=163.6km az=77.0.
IDC III 09 20 00 05.5–7.7 19.51S 176.72W 0 3.6,3.4b
¶12702818

IDC Error ellipse: s-maj=353.4km s-min=66.3km az=147.0.
ISC III 09 22 53 24.5–1.6 18.0S–.30 178.1W–.20 590 3.9b 15 34-148
IDC III 09 22 53 27.1–16 17.99S 178.29W 621–175 3.5,3.4b **¶12702825**
AUST III 09 22 54 45.2 21.00S 169.47E 300 3.5,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=109.5km s-min=33.5km az=58.0.
ISC III 10 01 31 01.7–.78 17.6S–.20 178.5W–.20 500 3.8b 19 7-147
AUST III 10 01 30 28.8 16.97S 177.50W 200 3.8b **¶15153145**
ISCJB III 10 01 31 01.0–.68 17.6S–.20 178.6W–.10 500 3.7b

IDC	III	10 01 31 02.3–2.2	17.60S	178.52W	507–26	3.6,3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=30.4km s-min=12.1km az=151.8.								
IDC	Error ellipse: s-maj=31.4km s-min=15.8km az=152.0.								
IDC	**III**	**10 02 30 43.3–69**	**18.82S**	**176.94W**	**0**	**3.8,3.7b**			
							¶12702839		
IDC	Error ellipse: s-maj=1278.0km s-min=179.9km az=81.0.								
IDC	**III**	**10 02 37 55.9–2.2**	**18.20S**	**177.62W**	**597–58**	**3.5,3.4b**			
							¶12702840		
IDC	Error ellipse: s-maj=73.9km s-min=24.3km az=10.0.								
IDC	**III**	**10 08 22 53.3–61**	**21.70S**	**178.94W**	**0**	**4.4,4.2b**			
							¶12702857		
IDC	Error ellipse: s-maj=1098.0km s-min=164.4km az=84.0.								
IDC	**III**	**10 10 08 13.6–9.6**	**15.91S**	**176.65W**	**388–316**	**3.3,3.2b**			
							¶12702862		
IDC	Error ellipse: s-maj=305.4km s-min=110.0km az=92.0.								
IDC	**III**	**10 19 19 20.2–1.3**	**21.15S**	**179.11W**	**601–14**	**3.7,3.7**			
							¶12702907		
IDC	Error ellipse: s-maj=12.7km s-min=11.3km az=93.0.								
IDC	**III**	**10 23 48 57.4–3.3**	**17.86S**	**178.17W**	**649–49**	**3.2,3.0b**			
							¶12702928		
IDC	Error ellipse: s-maj=97.2km s-min=17.2km az=152.0.								
IDC	**III**	**11 00 38 08.7–6.5**	**19.41S**	**176.95W**	**0**	**4.2,3.9b**			
							¶12702934		
IDC	Error ellipse: s-maj=283.0km s-min=34.4km az=144.0.								
ISC	**III**	**11 00 56 56.2–.62**	**17.3S–.20**	**179.3W–.10**	**500**	**3.8b**	**65**	**38-176**	
SZGRF	III	11 00 56 02.7	17.54S	178.00W	33	4.9b			**¶12702935**
PRU	III	11 00 56 03.9	16.70S	175.75W	0	4.9b			
ISCJB	III	11 00 56 56.0–.65	17.2S–.20	179.3W–.10	500	3.8b			
VIE	III	11 00 56 58.6	16.42S	179.65W	500	3.5b			
IDC	III	11 00 57 01.0–2.1	17.28S	179.29W	548–22	3.7,3.5			
ISC	Event type ke.								
SZGRF	Fiji Islands region.								
ISCJB	Event type ke. Error ellipse: s-maj=27.0km s-min=12.2km az=150.0.								
VIE	281 km NE of Suva .								
IDC	Error ellipse: s-maj=20.3km s-min=9.8km az=150.0.								
IDC	**III**	**11 13 45 21.3–11**	**16.01S**	**178.50W**	**0**	**3.7,3.5**			
							¶12702968		
IDC	Error ellipse: s-maj=521.4km s-min=37.6km az=141.0.								
IDC	**III**	**12 03 05 06.3–6.4**	**22.00S**	**178.51W**	**0**	**3.9s,3.9**			
							¶12703042		
IDC	Error ellipse: s-maj=180.7km s-min=101.3km az=144.0.								
IDC	**III**	**12 12 14 48.9–64**	**20.02S**	**176.02W**	**0**	**3.7,3.6s**			
							¶12703072		
IDC	Error ellipse: s-maj=1189.0km s-min=180.1km az=83.0.								
IDC	**III**	**12 18 29 36.4–17**	**21.15S**	**179.14W**	**578–168**	**3.4,3.2b**			
							¶12703100		
IDC	Error ellipse: s-maj=120.9km s-min=90.6km az=104.0.								
IDC	**III**	**12 21 00 06.4–17**	**17.88S**	**177.97W**	**413–160**	**3.4,3.1b**			
							¶12703111		
IDC	Error ellipse: s-maj=99.9km s-min=43.7km az=117.0.								
IDC	**III**	**13 05 51 51.3–1.6**	**18.94S**	**178.03W**	**0**	**4.3,4.0b**			
							¶12703142		
IDC	Error ellipse: s-maj=109.2km s-min=19.1km az=152.0.								
IDC	**III**	**13 12 14 30.2–34**	**16.03S**	**177.58W**	**0**	**4.1,4.0b**			
							¶12703168		
IDC	Error ellipse: s-maj=652.0km s-min=142.1km az=83.0.								
IDC	**III**	**14 09 59 20.9–4.2**	**17.63S**	**176.03E**	**0**	**4.2,4.0**			
							¶12703246		
IDC	Error ellipse: s-maj=161.4km s-min=37.4km az=143.0.								
IDC	**III**	**14 10 09 33.7–1.5**	**17.37S**	**175.89E**	**0**	**3.8,3.7**			
							¶12703248		
IDC	Error ellipse: s-maj=43.7km s-min=40.6km az=171.0.								
IDC	**III**	**14 14 16 35.7–6.8**	**17.18S**	**175.80E**	**0**	**4.0,3.7**			
							¶12703263		
IDC	Error ellipse: s-maj=295.3km s-min=50.5km az=144.0.								
ISC	**III**	**14 22 46 00.8–1.1**	**20.9S–.20**	**177.5W–.20**	**500**	**3.8b**	**25**	**9-151**	
IDC	III	14 22 46 00.0–4.2	20.94S	177.65W	475–47	3.6,3.5			**¶15153201**
AUST	III	14 22 46 22.4–8.5	20.45S	178.88E	480–0	3.6,3.5			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=29.1km s-min=25.9km az=155.0.								
AUST	Error ellipse: s-maj=6.6km s-min=3.3km az=281.0.								
ISC	**III**	**14 23 52 15.8–.70**	**18.9S–.10**	**177.7W–.10**	**570**	**4.1b**	**40**	**8-174**	
ISCJB	III	14 23 52 15.3–.74	18.9S–.10	177.7W–.10	570	4.1b			**¶15153195**
AUST	III	14 23 52 17.8–.01	18.69S	177.53W	610–0	4.1b			
IDC	III	14 23 52 20.7–2.0	18.88S	177.79W	627–23	3.5,3.4b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=19.0km s-min=12.6km az=148.5.								
AUST	Error ellipse: s-maj=2.6km s-min=2.0km az=318.0.								
IDC	Error ellipse: s-maj=17.7km s-min=14.1km az=161.0.								
IDC	**III**	**15 01 54 47.9–2.6**	**20.10S**	**178.21W**	**616–29**	**3.6,3.3b**			
							¶12703315		
IDC	Error ellipse: s-maj=47.8km s-min=15.1km az=153.0.								
IDC	**III**	**15 09 53 07.5–8.8**	**17.13S**	**179.02W**	**509–281**	**3.3,3.2b**			
							¶12703340		
IDC	Error ellipse: s-maj=212.8km s-min=90.0km az=101.0.								
IDC	**III**	**15 13 44 18.0–16**	**18.92S**	**177.77W**	**0**	**3.9,3.6**			
							¶12703354		
IDC	Error ellipse: s-maj=392.2km s-min=43.2km az=37.0.								
IDC	**III**	**15 13 49 35.9–1.7**	**18.14S**	**177.95W**	**518–23**	**3.4,3.3b**			
							¶12703355		
IDC	Error ellipse: s-maj=29.1km s-min=17.7km az=163.0.								
IDC	**III**	**16 09 09 01.9–1.9**	**17.49S**	**178.72W**	**576–27**	**3.0,2.9**			
							¶12703411		
IDC	Error ellipse: s-maj=91.3km s-min=15.1km az=153.0.								
ISC	**III**	**16 19 58 36.4–.54**	**18.0S–.10**	**179.87W–.09**	**600**	**4.0b**	**31**	**9-150**	
VIE	III	16 19 58 30.1	17.52S	179.87W	513	3.9b			**¶12703454**
ISCJB	III	16 19 58 34.9–.47	18.0S–.10	179.81W–.10	600	4.1b			
IDC	III	16 19 58 35.9–1.7	17.91S	179.78W	598–22	3.8,3.7			
ISC	Event type ke.								
VIE	194 km ENE of Suva .								
ISCJB	Event type ke. Error ellipse: s-maj=17.2km s-min=10.2km az=150.5.								
IDC	Error ellipse: s-maj=16.7km s-min=10.3km az=154.0.								
ISC	**III**	**17 03 45 54.4–.72**	**16.3S–.20**	**176.2W–.10**	**364**	**3.8b**	**20**	**5-147**	
AUST	III	17 03 45 33.4	16.13S	173.93W	300	3.8b			**¶12703486**
ISCJB	III	17 03 45 53.0–.59	16.3S–.20	176.3W–.10	364	3.8b			
IDC	III	17 03 45 53.4–2.0	16.29S	176.31W	353–22	3.8,3.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=25.4km s-min=10.5km az=148.0.								
IDC	Error ellipse: s-maj=28.7km s-min=12.2km az=141.0.								
IDC	**III**	**17 04 05 56.5–13**	**17.01S**	**178.68W**	**476–138**	**3.4,3.2b**			
							¶12703489		
IDC	Error ellipse: s-maj=91.0km s-min=42.7km az=112.0.								
ISC	**III**	**17 05 49 43.0–.35**	**21.56S–.05**	**177.90W–.05**	**372–2**	**4.5b**	**273**	**5-172**	
AUST	III	17 05 49 37.1–2.0	21.15S	178.27W	280–0	4.5b			**¶15153234**
ISCJB	III	17 05 49 40.8–.76	21.44S–.05	178.01W–.05	356–8	4.5b			
BJI	III	17 05 49 41.6	21.45S	177.83W	367	4.9b,4.5b			
DJA	III	17 05 49 42.8–1.1	21S–14	178W–10	358–18	5.1,5.1b			
NEIC	III	17 05 49 44.4–.98	21.55S	177.94W	389–9	4.7b,5.1b			
IDC	III	17 05 49 45.2–.78	21.48S	178.02W	393–7	4.1,4.1			
ISC	Event type se.								
AUST	Error ellipse: s-maj=2.0km s-min=1.1km az=287.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.8km s-min=5.8km az=137.6.								
NEIC	Event type se. Error ellipse: s-maj=10.1km s-min=8.4km az=137.0.								
IDC	Error ellipse: s-maj=14.7km s-min=9.7km az=138.0.								
IDC	**III**	**17 07 55 30.6–2.3**	**17.53S**	**178.67W**	**565–76**	**3.3b,3.3**			
							¶12703503		
IDC	Error ellipse: s-maj=111.6km s-min=58.2km az=144.0.								
ISC	**III**	**17 08 56 56.3–.36**	**20.40S–.06**	**178.57W–.05**	**613–3**	**4.6b**	**934**	**4-173**	
MOS	III	17 08 56 52.3–.94	20.26S	178.70W	569	4.6b			**¶15153230**
BJI	III	17 08 56 54.6	20.21S	178.15W	615	5.0b,4.7b			
AUST	III	17 08 56 54.4–.01	20.32S	178.29W	607–0	5.0b,4.7b			
SZGRF	III	17 08 56 55.1	20.61S	178.47W	600	5.0b,4.7b			
ISCJB	III	17 08 56 56.4–.66	20.36S–.05	178.78W–.03	618–8	4.7b,4.7b			
IDC	III	17 08 56 57.5–.69	20.39S	178.67W	621–8	4.2,4.1b			
NEIC	III	17 08 56 57.3–.50	20.35S	178.74W	619–6	4.7b,4.1b			
BGS	III	17 08 56 57.8–5.5	20.35S	178.74W	619	4.7b,4.1b			
ISC	Event type se.								
MOS	Error ellipse: s-maj=10.3km s-min=9.1km az=147.3.								
AUST	Error ellipse: s-maj=1.5km s-min=1.3km az=277.0.								
SZGRF	Fiji Islands region.								
ISCJB	Event type se. Error ellipse: s-maj=8.4km s-min=4.5km az=164.1.								
IDC	Error ellipse: s-maj=10.3km s-min=7.8km az=161.0.								
NEIC	Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=157.0.								
BGS	Error ellipse: s-maj=458.7km s-min=999.9km az=-1.0.								
ISC	**III**	**17 08 59 33.8–.40**	**20.29S–.06**	**178.56W–.05**	**600–3**	**4.5b**	**314**	**4-173**	
BJI	III	17 08 59 31.3	20.42S	178.63W	590	4.7b,4.6b			**¶15153238**
AUST	III	17 08 59 33.0–.03	20.32S	178.31W	611–0	4.7b,4.6b			
ISCJB	III	17 08 59 33.1–.71	20.38S–.06	178.67W–.06	603–9	4.5b,4.6b			
NEIC	III	17 08 59 33.6–.61	20.40S	178.60W	601–6	4.6b,4.6b			
IDC	III	17 08 59 34.8–1.4	20.36S	178.68W	605–16	4.0,3.9b			
SZGRF	III	17 08 59 34.1	20.25S	178.42W	600	4.0,3.9b			
ISC	Event type se.								
AUST	Error ellipse: s-maj=1.9km s-min=1.5km az=266.0.								
ISCJB	Event type se. Error ellipse: s-maj=10.6km s-min=7.5km az=142.7.								
NEIC	Event type se. Error ellipse: s-maj=8.9km s-min=6.6km az=143.0.								
IDC	Error ellipse: s-maj=11.1km s-min=9.6km az=151.0.								
SZGRF	Fiji Islands region.								
IDC	**III**	**17 09 03 44.2–1.8**	**20.36S**	**178.62W**	**571–22**	**3.3,3.2**			
							¶12703504		
IDC	Error ellipse: s-maj=20.8km s-min=12.7km az=151.0.								
IDC	**III**	**17 15 18 11.8–4.3**	**15.27S**	**176.68W**	**323–103**	**3.3,3.0b**			
							¶12703520		
IDC	Error ellipse: s-maj=275.8km s-min=22.6km az=144.0.								
IDC	**III**	**17 17 06 03.5–2.1**	**20.67S**	**177.67W**	**419–26**	**3.4,3.2b**			
							¶12703524		
IDC	Error ellipse: s-maj=36.2km s-min=14.1km az=135.0.								
IDC	**III**	**17 22 11 48.1–2.7**	**14.87S**	**178.33W**	**373–39**	**3.7,3.5**			
							¶12703542		
IDC	Error ellipse: s-maj=90.4km s-min=13.7km az=152.0.								
IDC	**III**	**17 23 54 30.1–45**	**18.17S**	**176.11W**	**0**	**4.6,4.4**			
							¶12703549		
IDC	Error ellipse: s-maj=844.1km s-min=159.4km az=80.0.								
IDC	**III**	**18 05 17 52.0–14**	**17.60S**	**178.81W**	**580–137**	**3.7,3.5b**			
							¶12703567		
IDC	Error ellipse: s-maj=105.6km s-min=76.0km az=101.0.								
IDC	**III**	**18 09 12 57.9–7.5**	**18.07S**	**176.74W**	**0**	**4.1,3.8b**			
							¶12703574		
IDC	Error ellipse: s-maj=328.0km s-min=38.5km az=142.0.								
IDC	**III**	**18 13 05 27.1–3.1**	**15.75S**	**178.33W**	**426–34**	**3.8,3.5b**			
							¶12703586		
IDC	Error ellipse: s-maj=23.9km s-min=12.5km az=143.0.								
IDC	**III**	**19 17 46 10.7–56**	**19.30S**	**178.84W**	**0**	**3.7,3.5b**			
							¶12703700		
IDC	Error ellipse: s-maj=1011.0km s-min=158.4km az=81.0.								
IDC	**III**	**20 06 07 00.7–2.2**	**16.39S**	**176.56W**	**343–45**	**3.8,3.7**			
							¶12703784		
IDC	Error ellipse: s-maj=43.5km s-min=25.7km az=36.0.								
ISC	**III**	**20 09 34 34.2–1.2**	**18.3S–.40**	**177.7W–.20**	**590**	**4.0b**	**15**	**7-86**	
IDC	III	20 09 34 32.9–1.8	18.10S	178.09W	542–21	3.5,3.3b			**¶15153313**
ISCJB	III	20 09 34 33.6–.86	18.2S–.30	177.8W–.20	590	3.8b,3.3b			
AUST	III	20 09 34 33.4–4.5	18.73S	177.62W	572–0	3.8b,3.3b			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=73.9km s-min=15.2km az=152.0.								
ISCJB	Event type ke. Error ellipse: s-maj=49.0km s-min=9.2km az=149.0.								
AUST	Error ellipse: s-maj=4.7km s-min=2.0km az=337.0.								
ISC	**III**	**20 12 26 02.8–.30**	**21.49S–.04**	**179.30W–.04**	**620–2**	**5.2b**	**1476**	**4-175**	
DJA	III	20 12 25 57.4–.40	21S–10	180W–6.0	500	5.5b,5.5			**¶15153328**
MOS	III	20 12 26 00.2–.82	21.30S	179.38W	593	5.2b,5.5			
IDC	III	20 12 26 01.1–.90	21.39S	179.31W	596–10	4.7b,4.7			
AUST	III	20 12 26 01.9	21.60S	179.25W	600	4.7b,4.7			
BJI	III	20 12 26 01.4	21.20S	179.00W	620	5.4b,5.1b			
ISCJB	III	20 12 26 01.3–.45	21.43S–.04	179.39W–.02	611–5	5.2b,5.1b			
NEIC	III	20 12 26 03.1–.40	21.48S	179.38W	622–4	5.0b,5.1b			
SZGRF	III	20 12 26 04.0	21.68S	179.12W	635	5.0b,5.1b			
BGS	III	20 12 26 05.2–5.3	21.48S	179.38W	622	5.0b,5.1b			
GCMT	III	20 12 26 05.8–.50	21.43S	179.29W	620–3	5.5W,5.1b			
ISC	Event type se.								
MOS	Error ellipse: s-maj=8.9km s-min=7.3km az=49.6.								
IDC	Error ellipse: s-maj=8.4km s-min=7.4km az=173.0.								
ISCJB	Event type se. Error ellipse: s-maj=6.1km s-min=2.6km az=164.7.								
NEIC	Event type se. Error ellipse: s-maj=5.2km s-min=3.3km az=154.0.								
SZGRF	Fiji Islands region.								
BGS	Error ellipse: s-maj=347.4km s-min=999.9km az=-1.0.								
GCMT	Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s49,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.33±.07 $M_{\theta\theta}$0.04±.10; $M_{\phi\phi}$0.29±.10; $M_{r\theta}$0.59±.12; $M_{\theta\phi}$-0.69±.10; $M_{\theta r}$-1.65±.09; Best double couple: NP1:ϕ_s99.00000°,δ17.00000°,λ-152.00000°. NP2: ϕ_s343.00000°,δ82.00000°,λ-75.00000°. Principal axes: T 2.0700,Plg36.0000°,Azm60.0000° ; N -0.3700,Plg15.0000°,Azm161.0000°; P -1.7000,Plg51.0000°,Azm269.0000° M_o1.90000×10^{17}								
ISC	**III**	**20 12 28 25.0–.36**	**21.53S–.08**	**179.32W–.07**	**604**	**4.6b**	**160**	**10-172**	
ISCJB	III	20 12 28 25.1–.32	21.34S–.10	179.39W–.07	604	4.5b			**¶12703812**
IDC	III	20 12 28 28.8–2.6	21.37S	179.42W	642–31	4.2,4.1b			
NEIC	III	20 12 28 30.2–.87	21.47S	179.51W	662–11	4.5b,4.1b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=13.8km s-min=6.6km az=157.3.								
IDC	Error ellipse: s-maj=17.4km s-min=13.8km az=107.0.								
NEIC	Event type se. Error ellipse: s-maj=10.5km s-min=7.0km az=158.0.								
IDC	**III**	**20 12 50 25.9–2.3**	**16.35S**	**178.51W**	**0**	**4.5,4.2b**			
							¶12703816		
IDC	Error ellipse: s-maj=127.3km s-min=24.3km az=144.0.								
IDC	**III**	**20 20 19 26.4–7.3**	**19.08S**	**178.80W**	**0**	**4.2,4.0b**			
							¶12703854		
IDC	Error ellipse: s-maj=307.4km s-min=61.9km az=144.0.								
ISC	**III**	**21 12 07 51.1–.42**	**21.37S–.07**	**178.92W–.08**	**602**	**4.5b**	**203**	**5-172**	
SZGRF	III	21 12 06 38.7	22.43S	176.88W	33	4.5b			**¶15153336**
AUST	III	21 12 07 46.4–1.6	20.89S	179.27W	490–0	4.5b			
IDC	III	21 12 07 47.0–1.7	21.20S	178.78W	552–19	3.8,3.8			
MOS	III	21 12 07 47.4–1.6	19.91S	179.75W	490	4.6b,3.8			
NEIC	III	21 12 07 48.8–.85	21.32S	178.89W	574–9	4.5b,3.8			
ISCJB	III	21 12 07 50.1–.32	21.33S–.06	178.97W–.06	602	4.3b,3.8			
BJI	III	21 12 07 52.2	20.42S	179.46W	574	4.7b,4.5b			
ISC	Event type se.								
SZGRF	South of Fiji Islands.								
AUST	Error ellipse: s-maj=2.0km s-min=1.5km az=317.0.								
IDC	Error ellipse: s-maj=15.3km s-min=11.2km az=136.0.								
MOS	Error ellipse: s-maj=16.7km s-min=13.5km az=165.4.								
NEIC	Event type se. Error ellipse: s-maj=12.7km s-min=9.0km az=136.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.2km s-min=6.4km az=135.0.								
ISC	**III**	**21 13 18 20.5–.64**	**19.2S–.10**	**177.4W–.10**	**570**	**4.2b**	**26**	**7-149**	
IDC	III	21 13 18 18.9–1.5	19.33S	177.34W	549–19	3.7,3.6			**¶15153342**
ISCJB	III	21 13 18 19.7–.49	19.1S–.10	177.54W–.08	570	4.0b,3.6			
AUST	III	21 13 18 21.5	18.95S	177.34W	600	4.0b,3.6			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=37.4km s-min=16.0km az=138.0.								
ISCJB	Event type ke. Error ellipse: s-maj=18.5km s-min=7.7km az=157.5.								
ISC	**III**	**21 13 26 02.3–.52**	**19.3S–.10**	**177.45W–.09**	**550**	**4.0b**	**44**	**7-174**	
ISCJB	III	21 13 26 01.5–.40	19.3S–.10	177.52W–.08	550	3.9b			**¶15153343**
IDC	III	21 13 26 01.9–1.8	19.38S	177.43W	546–21	3.8,3.5b			
AUST	III	21 13 26 04.4	18.95S	177.34W	600	3.8,3.5b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=15.7km s-min=6.9km az=147.5.								

IDC Error ellipse: s-maj=20.7km s-min=12.2km az=139.0.
IDC III 21 13 41 46.1–19 17.30S 178.78W 612–188 3.1,2.9b ¶12635187

IDC Error ellipse: s-maj=260.9km s-min=65.5km az=134.0.
IDC III 22 04 51 47.0–2.8 16.83S 177.11W 0 4.0,3.7b ¶12635257

IDC Error ellipse: s-maj=319.4km s-min=33.6km az=159.0.
IDC III 22 07 59 30.9–2.1 21.52S 177.69W 0 4.2,4.0s ¶12635269

IDC Error ellipse: s-maj=122.5km s-min=31.7km az=159.0.
IDC III 22 14 33 16.7–2.5 20.80S 178.72W 606–30 3.4,3.2 ¶12635295

IDC Error ellipse: s-maj=22.2km s-min=12.4km az=154.0.
IDC III 22 20 42 30.1–2.9 19.40S 178.10W 428–29 4.0,3.9b ¶12635327

IDC Error ellipse: s-maj=25.2km s-min=16.9km az=24.0.
IDC III 22 22 53 55.0–2.7 21.52S 177.18W 0 4.2,3.9 ¶12635334

IDC Error ellipse: s-maj=183.6km s-min=34.0km az=160.0.
IDC III 22 23 07 42.7–1.9 19.81S 177.93W 469–21 3.6,3.4 ¶12635336

IDC Error ellipse: s-maj=33.4km s-min=14.3km az=148.0.
ISC III 24 01 19 22.5–.69 20.3S–.10 177.6W–.10 500 3.9b 37 7-173
ISCJB III 24 01 19 21.7–.59 20.3S–.10 177.6W–.10 500 4.0b ¶15153401
IDC III 24 01 19 23.5–1.6 20.30S 177.67W 507–18 3.8,3.6b
AUST III 24 01 20 09.7 20.83S 176.94E 600 3.8,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=9.3km az=141.6.
IDC Error ellipse: s-maj=19.5km s-min=11.5km az=148.0.
ISC III 25 12 47 38.1–.72 15.7S–.20 177.10W–.09 400 4.0b 23 5-83
AUST III 25 12 47 24.3–1.8 15.72S 178.67W 119–0 4.0b ¶15153427
ISCJB III 25 12 47 37.3–.53 15.7S–.20 177.18W–.07 400 4.1b
IDC III 25 12 47 38.5–1.4 15.82S 176.96W 410–24 3.7,3.6b
ISC Event type ke.
AUST Error ellipse: s-maj=2.5km s-min=1.3km az=335.0.
ISCJB Event type ke. Error ellipse: s-maj=21.5km s-min=7.5km az=163.2.
IDC Error ellipse: s-maj=31.3km s-min=17.9km az=137.0.
IDC III 25 13 13 30.2–3.2 20.14S 177.66W 484–29 3.1,2.9 ¶12635558

IDC Error ellipse: s-maj=124.9km s-min=17.8km az=143.0.
IDC III 25 22 54 57.2–2.5 17.72S 177.24W 284–34 3.6,3.4b ¶12635594

IDC Error ellipse: s-maj=123.9km s-min=16.5km az=144.0.
ISC III 25 23 06 44.8–.54 17.9S–.20 178.51W–.09 579 3.9b 80 8-175
SZGRF III 25 23 05 38.5 20.05S 178.37W 33 3.9b ¶15153431
PRU III 25 23 05 46.5 16.70S 175.75W 30 3.9b
VIE III 25 23 06 41.0 17.77S 178.43W 526 3.6b
ISCJB III 25 23 06 44.2–.45 17.8S–.10 178.51W–.09 579 3.9b
IDC III 25 23 06 45.5–1.6 17.92S 178.46W 589–19 3.7,3.6
AUST III 25 23 06 45.1 18.50S 177.90W 600 3.7,3.6
ISC Event type ke.
SZGRF Fiji Islands region.
VIE 336 km E of Suva .
ISCJB Event type ke. Error ellipse: s-maj=19.3km s-min=8.1km az=153.6.
IDC Error ellipse: s-maj=23.3km s-min=10.7km az=154.0.
IDC III 26 04 00 26.7–10 19.34S 178.29W 523–120 3.4,3.0b ¶12635613

IDC Error ellipse: s-maj=132.3km s-min=41.3km az=160.0.
IDC III 26 08 12 47.7–6.6 17.81S 178.64W 618–77 3.5,3.3b ¶12635624

IDC Error ellipse: s-maj=96.3km s-min=35.1km az=157.0.
IDC III 27 00 06 49.6–5.8 20.69S 177.56W 374–57 4.0b,4.0 ¶12635660

IDC Error ellipse: s-maj=31.1km s-min=21.1km az=38.0.
IDC III 27 03 57 49.0–12 16.86S 178.99W 449–146 3.5,3.3 ¶12635676

IDC Error ellipse: s-maj=94.9km s-min=33.7km az=162.0.
IDC III 27 06 45 08.9–9.1 15.35S 177.95W 490–105 3.2,3.1 ¶12635686

IDC Error ellipse: s-maj=100.1km s-min=28.5km az=152.0.
IDC III 27 07 06 49.9–5.3 21.97S 177.88W 0 4.3,4.0b ¶12635687

IDC Error ellipse: s-maj=226.4km s-min=68.6km az=150.0.
IDC III 27 09 38 39.4–2.1 17.28S 178.80W 566–30 3.3,3.0 ¶12635692

IDC Error ellipse: s-maj=107.1km s-min=16.5km az=153.0.
IDC III 27 18 06 49.4–4.1 16.45S 177.61W 0 4.7,4.5b ¶12635713

IDC Error ellipse: s-maj=171.5km s-min=47.9km az=138.0.
IDC III 27 18 36 44.6–61 17.01S 179.82W 0 3.8,3.6b ¶12635714

IDC Error ellipse: s-maj=1107.0km s-min=153.3km az=77.0.
IDC III 27 19 08 33.8–6.0 20.45S 178.65W 0 4.1,3.8b ¶12635716

IDC Error ellipse: s-maj=309.6km s-min=54.1km az=151.0.
IDC III 28 00 05 10.5–7.1 18.80S 177.16W 0 4.0,3.7b ¶12635727

IDC Error ellipse: s-maj=303.9km s-min=41.2km az=143.0.
ISC III 28 15 58 50.9–.43 21.55S–.07 177.81W–.08 400 4.3b 110 8-172
SZGRF III 28 15 58 07.9 21.45S 174.67W 33 4.3b ¶15153455
NEIC III 28 15 58 23.0–.89 21.07S 177.91W 125–8 4.7b
BJI III 28 15 58 24.5 20.61S 178.64W 108 5.3b,4.9b
IDC III 28 15 58 50.8–2.3 21.46S 177.91W 384–23 3.9,3.8
ISCJB III 28 15 58 51.0–.33 21.62S–.06 177.86W–.07 400 4.3b,3.8
AUST III 28 15 58 52.3–1.4 21.12S 177.74W 416–0 4.3b,3.8
ISC Event type se.
SZGRF Tonga Islands.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.1km az=112.0.
IDC Error ellipse: s-maj=16.5km s-min=11.8km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.8km az=43.2.
AUST Error ellipse: s-maj=2.1km s-min=1.4km az=351.0.
IDC III 28 22 08 40.9–36 18.44S 178.11W 489–368 3.5,3.3b ¶12635810

IDC Error ellipse: s-maj=194.9km s-min=133.5km az=44.0.
IDC III 29 04 38 54.8–20 18.85S 178.45W 360–172 3.1,2.8b ¶12635837

IDC Error ellipse: s-maj=297.0km s-min=56.9km az=142.0.
IDC III 29 04 48 14.0–2.4 21.70S 179.09W 514–30 3.5,3.4 ¶12635838

IDC Error ellipse: s-maj=25.4km s-min=15.4km az=133.0.
IDC III 29 10 59 23.8–9.9 19.98S 178.30W 596–98 3.3,3.0b ¶12635856

IDC Error ellipse: s-maj=88.1km s-min=37.0km az=121.0.
ISC III 29 17 40 24.9–.44 17.7S–.10 178.84W–.08 539 4.3b 121 8-175
SZGRF III 29 17 39 20.0 19.01S 178.32W 33 4.3b ¶15153470
PRU III 29 17 39 30.2 16.70S 175.75W 30 4.5
BJI III 29 17 40 24.1 17.60S 178.80W 539 4.6b,4.4b
ISCJB III 29 17 40 24.1–.34 17.73S–.08 178.83W–.06 539 4.2b,4.4b
AUST III 29 17 40 24.9–.00 17.52S 178.64W 551–0 4.2b,4.4b
VIE III 29 17 40 25.8 17.55S 178.97W 537 3.7b,4.4b
IDC III 29 17 40 29.1–1.5 17.73S 179.00W 584–17 4.0,3.9
ISC Event type ke.
SZGRF Fiji Islands region.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=6.1km az=146.9.
AUST Error ellipse: s-maj=1.8km s-min=1.4km az=336.0.
VIE 284 km ENE of Suva .
IDC Error ellipse: s-maj=16.5km s-min=8.8km az=146.0.
IDC III 29 18 00 11.4–19 19.69S 179.27W 650–178 3.0,2.8b ¶12635878

IDC Error ellipse: s-maj=261.8km s-min=62.1km az=134.0.
IDC III 29 21 18 14.4–22 19.75S 177.75W 383–267 3.5,3.3 ¶12635888

IDC Error ellipse: s-maj=113.6km s-min=35.8km az=173.0.
IDC III 29 21 57 52.1–7.2 20.67S 178.93W 576–75 3.1,2.9 ¶12635890

IDC Error ellipse: s-maj=100.7km s-min=33.6km az=152.0.
IDC III 30 02 49 29.4–12 17.68S 178.33W 383–131 3.4,3.1 ¶12635906

IDC Error ellipse: s-maj=94.3km s-min=35.9km az=159.0.
IDC III 30 09 40 36.2–2.9 17.51S 176.28W 0 4.4,4.3 ¶12635933

IDC Error ellipse: s-maj=167.4km s-min=30.8km az=148.0.
IDC III 30 16 05 15.6–2.9 20.86S 179.85W 0 3.9,3.6b ¶12635958

IDC Error ellipse: s-maj=284.9km s-min=34.6km az=162.0.
IDC III 30 22 24 35.0–4.2 19.76S 177.06W 0 4.1,3.8b ¶12635989

IDC Error ellipse: s-maj=270.1km s-min=31.1km az=154.0.
IDC III 31 08 30 14.3–2.6 18.95S 179.48W 698–32 3.5,3.4 ¶12636015

IDC Error ellipse: s-maj=32.7km s-min=13.6km az=152.0.
IDC III 31 10 11 21.3–1.5 17.47S 179.07W 521–18 3.8,3.7 ¶12636021

IDC Error ellipse: s-maj=26.6km s-min=9.9km az=154.0.
IDC III 31 14 38 35.1–1.5 17.66S 178.84W 505–17 3.6,3.5 ¶12636036

IDC Error ellipse: s-maj=16.0km s-min=11.0km az=141.0.
IDC III 31 21 39 35.7–2.5 19.91S 177.64W 583–26 3.4,3.3b ¶12636053

IDC Error ellipse: s-maj=65.5km s-min=17.6km az=144.0.
IDC IV 01 00 57 55.7–2.4 21.87S 176.71W 0 4.1,3.8 ¶16152199

IDC Error ellipse: s-maj=135.5km s-min=26.1km az=157.0.
ISC IV 01 02 58 29.1–.81 18.0S–.20 178.3W–.10 579 4.0b 77 7-175
SZGRF IV 01 02 57 22.9 18.48S 177.58W 33 4.0b ¶16152204
PRU IV 01 02 57 40.7 12.73S 177.93E 30 4.0b
ISCJB IV 01 02 58 28.7–.80 17.9S–.20 178.3W–.10 579 4.0b
IDC IV 01 02 58 33.2–2.3 17.95S 178.51W 617–26 3.9,3.7
ISC Event type ke.
SZGRF Fiji Islands region.
ISCJB Event type ke. Error ellipse: s-maj=29.5km s-min=8.9km az=155.0.
IDC Error ellipse: s-maj=26.3km s-min=10.6km az=150.0.
IDC IV 01 07 51 38.1–51 16.25S 177.30W 0 3.9,3.7 ¶16152214

IDC Error ellipse: s-maj=939.5km s-min=169.6km az=77.0.
IDC IV 01 16 19 15.6–3.6 21.39S 178.69W 560–41 3.6,3.4 ¶16152231

IDC Error ellipse: s-maj=22.1km s-min=18.1km az=145.0.
IDC IV 01 19 01 42.8–6.9 19.21S 177.70W 0 3.9,3.6 ¶16152236

IDC Error ellipse: s-maj=297.3km s-min=39.2km az=144.0.
IDC IV 02 06 45 52.2–10 14.98S 178.04W 397–111 3.7,3.4 ¶16152259

IDC Error ellipse: s-maj=45.3km s-min=27.4km az=145.0.
ISC IV 02 14 45 59.1–.61 20.3S–.10 177.77W–.10 550 4.0b 43 7-150
IDC IV 02 14 45 58.6–2.5 20.28S 177.81W 540–27 3.7,3.6 ¶15153519
ISCJB IV 02 14 45 58.1–.53 20.33S–.09 177.79W–.09 550 4.0b,3.6
AUST IV 02 14 45 58.6–.01 20.12S 177.57W 558–0 4.0b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=17.4km s-min=14.6km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=10.3km az=154.5.
AUST Error ellipse: s-maj=2.5km s-min=1.8km az=15.0.
IDC IV 02 16 11 49.2–43 20.79S 178.56W 479–382 2.9,2.7 ¶16152275

IDC Error ellipse: s-maj=306.8km s-min=124.2km az=107.0.
IDC IV 02 20 04 04.2–7.7 15.22S 176.37W 0 3.8,3.5 ¶16152284

IDC Error ellipse: s-maj=341.6km s-min=38.1km az=140.0.
IDC IV 03 14 57 13.3–7.7 18.84S 177.81W 0 3.7,3.5 ¶16152316

IDC Error ellipse: s-maj=336.7km s-min=38.2km az=143.0.
IDC IV 03 15 04 08.6–12 17.41S 179.02W 603–153 3.0,2.8 ¶16152317

IDC Error ellipse: s-maj=59.0km s-min=50.5km az=133.0.
IDC IV 03 17 26 10.7–6.0 20.31S 178.03W 560–68 3.5,3.4 ¶16152323

IDC Error ellipse: s-maj=27.1km s-min=23.0km az=103.0.
IDC IV 03 22 39 42.5–7.8 17.35S 178.15W 467–83 3.6,3.4 ¶16152331

IDC Error ellipse: s-maj=33.2km s-min=30.9km az=81.0.
IDC IV 04 12 54 58.0–2.0 16.26S 176.05W 347–20 3.8,3.6 ¶16152363

IDC Error ellipse: s-maj=31.9km s-min=13.3km az=145.0.
IDC IV 04 17 57 51.7–3.0 17.87S 178.60W 594–32 3.3,3.1 ¶16152380

IDC Error ellipse: s-maj=40.0km s-min=12.8km az=148.0.
IDC IV 04 21 27 38.5–2.7 14.72S 173.33E 587–23 3.5,3.3 ¶16152385

IDC Error ellipse: s-maj=28.9km s-min=25.3km az=78.0.
IDC IV 04 21 38 21.4–5.2 20.15S 176.65W 459–155 3.5,3.4 ¶16152386

IDC Error ellipse: s-maj=107.6km s-min=33.4km az=82.0.
IDC IV 05 02 56 20.5–6.8 21.44S 177.79W 311–63 3.3,3.1 ¶16152396

IDC Error ellipse: s-maj=31.4km s-min=22.9km az=67.0.
IDC IV 05 08 11 26.5–13 18.20S 177.74W 541–125 3.3,3.0 ¶16152407

IDC Error ellipse: s-maj=105.1km s-min=33.1km az=120.0.
ISC IV 06 04 42 38.2–.88 17.4S–.30 178.4W–.20 547 4.3b 31 7-147
IDC IV 06 04 42 38.0–1.9 17.24S 178.49W 536–23 3.9,3.7 ¶15153582
ISCJB IV 06 04 42 37.1–.71 17.4S–.20 178.4W–.20 547 4.1b,3.7
AUST IV 06 04 42 41.7–.01 17.36S 178.54W 571–0 4.1b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=66.1km s-min=14.4km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=35.3km s-min=11.4km az=149.2.
AUST Error ellipse: s-maj=2.3km s-min=1.6km az=343.0.
IDC IV 06 16 27 57.7–3.7 20.18S 176.18W 0 3.9,3.6 ¶16152467

IDC Error ellipse: s-maj=253.4km s-min=74.7km az=162.0.
IDC IV 06 17 38 00.4–61 21.24S 178.35W 0 3.9,3.7 ¶16152471

IDC Error ellipse: s-maj=1110.0km s-min=165.8km az=84.0.
IDC IV 07 05 26 29.0–8.8 17.46S 178.38W 515–88 3.4,3.1 ¶16152490

IDC Error ellipse: s-maj=102.4km s-min=32.2km az=146.0.
IDC IV 07 06 31 27.8–5.5 17.45S 176.00E 0 3.9,3.7 ¶16152495

IDC Error ellipse: s-maj=226.7km s-min=33.9km az=143.0.
IDC IV 07 11 40 44.7–1.6 21.00S 177.32W 0 3.8,3.5 ¶16152505

IDC Error ellipse: s-maj=57.4km s-min=38.2km az=158.0.
IDC IV 07 12 52 27.6–4.6 21.00S 176.21W 0 4.2,4.1 ¶16152508

IDC Error ellipse: s-maj=194.2km s-min=31.8km az=142.0.
IDC IV 07 15 03 09.1–4.6 20.33S 178.38W 568–50 3.3,3.2 ¶16152511

IDC Error ellipse: s-maj=46.3km s-min=21.5km az=143.0.
IDC IV 07 16 18 47.6–2.0 15.36S 176.76W 0 4.3,3.9 ¶16152514

IDC Error ellipse: s-maj=117.8km s-min=27.1km az=150.0.
IDC IV 08 02 48 22.0–2.0 17.24S 178.97W 538–28 3.4,3.2 ¶16152525

IDC Error ellipse: s-maj=78.1km s-min=14.4km az=151.0.
IDC IV 08 16 04 56.0–50 17.50S 178.57W 0 4.4,4.3
¶16152550

IDC Error ellipse: s-maj=917.0km s-min=148.9km az=78.0.
IDC IV 08 18 12 54.3–5.6 15.45S 177.61W 0 4.0,3.8
¶12759387

IDC Error ellipse: s-maj=271.1km s-min=35.4km az=135.0.
IDC IV 08 23 31 29.9–67 20.74S 178.00W 0 4.1,3.9
¶16152567

IDC Error ellipse: s-maj=1220.0km s-min=182.4km az=83.0.
IDC IV 09 09 53 55.7–57 19.52S 179.02W 0 4.0,3.8
¶16152581

IDC Error ellipse: s-maj=1031.0km s-min=154.3km az=81.0.
IDC IV 09 14 16 25.2–31 16.13S 178.20W 0 4.2,4.0b
¶16152592

IDC Error ellipse: s-maj=587.0km s-min=148.3km az=83.0.

ISC	**IV**	**09 17 28 00.4–.90**	**17.9S–.20**	**178.5W–.20**	**579**	**4.1b**	**52**	**33-150**
AUST	IV	09 17 27 22.6–30	15.93S	174.67W	489–2	4.1b		¶16152597
ISCJB	IV	09 17 27 59.6–.80	17.8S–.20	178.6W–.10	579	4.0b		
IDC	IV	09 17 28 02.7–2.8	17.88S	178.60W	605–30	3.7,3.5		

ISC Event type ke.
AUST Error ellipse: s-maj=5.8km s-min=2.8km az=235.0.
ISCJB Event type ke. Error ellipse: s-maj=26.3km s-min=10.4km az=142.0.
IDC Error ellipse: s-maj=28.2km s-min=13.2km az=144.0.
IDC IV 09 19 19 29.8–31 18.62S 176.43W 0 3.9,3.8
¶16152599

IDC Error ellipse: s-maj=602.9km s-min=148.5km az=86.0.
IDC IV 09 19 47 30.7–29 20.96S 176.25W 0 4.1,4.0
¶16152600

IDC Error ellipse: s-maj=555.6km s-min=144.0km az=91.0.
IDC IV 09 21 21 35.7–60 20.43S 177.01W 0 3.7,3.5
¶16152603

IDC Error ellipse: s-maj=1113.0km s-min=169.4km az=83.0.
IDC IV 09 21 53 51.6–2.4 21.78S 178.37W 367–27 3.5,3.4
¶16152605

IDC Error ellipse: s-maj=26.2km s-min=13.5km az=130.0.
IDC IV 10 03 29 42.8–5.4 20.37S 177.51W 576–60 3.3,3.2
¶16152613

IDC Error ellipse: s-maj=36.5km s-min=20.9km az=62.0.

ISC	**IV**	**10 03 39 59.8–.68**	**18.2S–.10**	**178.65W–.09**	**579**	**4.5b**	**74**	**3-151**
IDC	IV	10 03 39 55.9–2.0	17.32S	179.10W	498–30	4.2,4.1b		¶15153644
ISCJB	IV	10 03 39 56.9–.71	17.8S–.10	178.7W–.10	558–10	4.5b,4.1b		
AUST	IV	10 03 39 57.2–.00	17.69S	178.56W	552–0	4.5b,4.1b		
BJI	IV	10 03 39 59.9	18.41S	179.64W	555	4.8b,4.4b		
NEIC	IV	10 03 40 00.3–1.1	17.70S	179.07W	556–8	4.4b,4.4b		

ISC Event type se.
IDC Error ellipse: s-maj=94.1km s-min=16.2km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=12.4km az=150.8.
AUST Error ellipse: s-maj=2.3km s-min=1.4km az=347.0.
NEIC Event type se. Error ellipse: s-maj=33.2km s-min=11.5km az=143.0.

ISC	**IV**	**10 03 51 09.0–.52**	**20.2S–.10**	**177.8W–.10**	**500**	**3.9b**	**66**	**7-173**
SZGRF	IV	10 03 50 17.5	19.87S	177.91W	33	3.9b		¶15153646
PRU	IV	10 03 50 25.3	16.70S	175.75W	30	3.9b		
AUST	IV	10 03 51 02.8	19.12S	179.44W	300	3.9b		
ISCJB	IV	10 03 51 08.4–.49	20.17S–.10	177.87W–.10	500	3.8b		
IDC	IV	10 03 51 09.9–2.0	20.22S	177.85W	505–21	3.6,3.5		

ISC Event type ke.
SZGRF Fiji Islands region.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=7.9km az=137.0.
IDC Error ellipse: s-maj=15.1km s-min=12.8km az=115.0.
IDC IV 10 10 50 30.4–52 19.28S 177.71W 0 4.4,4.2
¶16152624

IDC Error ellipse: s-maj=956.8km s-min=160.0km az=81.0.

ISC	**IV**	**10 14 58 32.5–.49**	**21.27S–.06**	**178.71W–.06**	**555–4**	**4.5b**	**619**	**5-172**
SZGRF	IV	10 14 57 29.9	22.67S	177.39W	33	4.5b		¶13438338
BJI	IV	10 14 58 32.5	20.89S	178.61W	553	4.9b,4.5b		
NEIC	IV	10 14 58 34.0–.72	21.14S	178.83W	570–8	4.5b,4.5b		
IDC	IV	10 14 58 33.8–1.2	21.00S	178.85W	560–12	4.0,3.9		
BGS	IV	10 14 58 36.2–4.8	21.14S	178.83W	570	4.5b,3.9		
DJA	IV	10 14 58 50.2–3.8	21S–10	180E–37	697–26	5.2b,4.6		

ISC Event type se.
SZGRF South of Fiji Islands.
NEIC Event type se.
IDC IV 10 17 28 37.0–2.2 17.05S 177.13W 0 3.8,3.7
¶16152631

IDC Error ellipse: s-maj=176.6km s-min=31.2km az=153.0.
IDC IV 10 18 43 09.1–63 16.21S 177.12W 0 3.7,3.5
¶16152634

IDC Error ellipse: s-maj=1161.0km s-min=182.0km az=77.0.
IDC IV 11 01 05 51.2–8.0 20.63S 178.53W 0 3.9,3.8
¶16152646

IDC Error ellipse: s-maj=204.8km s-min=39.9km az=29.0.
IDC IV 11 07 16 10.2–12 17.37S 178.90W 492–120 3.1,2.9
¶16152653

IDC Error ellipse: s-maj=117.0km s-min=46.5km az=132.0.
IDC IV 11 14 41 50.7–5.6 20.28S 176.61W 0 4.0,3.8
¶16152667

IDC Error ellipse: s-maj=174.8km s-min=89.5km az=144.0.
IDC IV 11 15 18 02.0–50 19.04S 177.09W 0 4.0,3.8
¶16152670

IDC Error ellipse: s-maj=918.7km s-min=158.3km az=81.0.
IDC IV 11 18 17 10.3–40 20.33S 179.02W 651–341 3.1,2.9
¶16152674

IDC Error ellipse: s-maj=375.9km s-min=115.8km az=75.0.
IDC IV 12 00 56 52.8–54 16.56S 178.43W 0 4.2,4.0
¶16152685

IDC Error ellipse: s-maj=988.2km s-min=170.3km az=77.0.
IDC IV 12 01 58 24.0–50 17.21S 179.55W 0 4.1,3.9
¶16152686

IDC Error ellipse: s-maj=901.0km s-min=148.9km az=78.0.

ISC	**IV**	**12 04 50 31.7–.36**	**17.90S–.05**	**178.38W–.04**	**589–3**	**4.5b**	**561**	**3-175**
SZGRF	IV	12 04 49 28.3	18.26S	177.51W	33	4.5b		¶15153663
BJI	IV	12 04 50 28.8	17.88S	177.53W	601	4.7b,4.5b		
IDC	IV	12 04 50 30.9–1.2	17.80S	178.45W	573–14	4.1,4.1		
ISCJB	IV	12 04 50 31.0–.55	17.94S–.04	178.47W–.03	587–7	4.6b,4.1		
DJA	IV	12 04 50 31.5–.90	18S–9.0	178W–7.0	582–12	5.2b,4.8b		
NEIC	IV	12 04 50 32.5–.54	17.89S	178.46W	598–6	4.7b,4.8b		
BGS	IV	12 04 50 33.3–2.9	17.89S	178.46W	598	4.7b,4.8b		
AUST	IV	12 04 50 33.9–.01	17.95S	178.33W	611–0	4.7b,4.8b		

ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=11.0km s-min=8.0km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.8km az=158.2.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.4km az=165.0.
BGS Error ellipse: s-maj=321.4km s-min=999.9km az=-1.0.
AUST Error ellipse: s-maj=1.3km s-min=1.1km az=263.0.

ISC	**IV**	**12 09 26 49.2–1.2**	**18.1S–.40**	**178.5W–.30**	**579**	**3.8b**	**15**	**8-95**
IDC	IV	12 09 26 41.5–1.7	17.84S	178.40W	480–21	3.6,3.3		¶16152700
ISCJB	IV	12 09 26 48.4–.88	18.0S–.30	178.6W–.30	579	3.8b,3.3		
AUST	IV	12 09 26 55.4–2.5	22.19S	178.90E	208–1	3.8b,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=71.2km s-min=11.1km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=54.4km s-min=11.5km az=146.8.
AUST Error ellipse: s-maj=3.0km s-min=2.0km az=313.0.
IDC IV 12 09 27 04.0–13 17.61S 178.44W 452–161 3.3,3.1
¶16152703

IDC Error ellipse: s-maj=114.8km s-min=37.4km az=162.0.

ISC	**IV**	**12 11 23 30.7–.38**	**18.12S–.08**	**178.42W–.07**	**579**	**4.3b**	**491**	**3-175**
SZGRF	IV	12 11 22 31.4	18.11S	179.98W	33	4.3b		¶15153664
ISCJB	IV	12 11 23 30.3–.13	18.09S–.05	178.52W–.04	579	4.3b		
AUST	IV	12 11 23 31.8–.00	18.06S	178.06W	613–0	4.3b		
IDC	IV	12 11 23 31.4–1.1	18.15S	178.41W	589–13	3.9,3.8		
NEIC	IV	12 11 23 32.7–.52	18.18S	178.43W	602–6	4.4b,3.8		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.2km az=144.8.
AUST Error ellipse: s-maj=1.7km s-min=1.4km az=267.0.
IDC Error ellipse: s-maj=14.3km s-min=7.9km az=141.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.0km az=144.0.
IDC IV 12 16 21 28.2–48 17.52S 176.74W 0 4.1,3.9
¶16152721

IDC Error ellipse: s-maj=885.9km s-min=161.9km az=79.0.
IDC IV 12 16 35 37.1–10 20.43S 178.33W 604–125 3.3,3.0
¶16152722

IDC Error ellipse: s-maj=74.0km s-min=40.2km az=148.0.
IDC IV 12 18 23 03.2–54 16.56S 177.15W 0 3.9,3.7
¶16152725

IDC Error ellipse: s-maj=994.9km s-min=164.7km az=78.0.
IDC IV 12 23 39 13.8–15 17.75S 178.55W 554–143 3.5,3.4
¶16152735

IDC Error ellipse: s-maj=110.4km s-min=72.0km az=100.0.
IDC IV 13 03 13 29.3–68 19.82S 176.60W 0 4.1,4.0
¶16152736

IDC Error ellipse: s-maj=1259.0km s-min=179.8km az=83.0.

ISC	**IV**	**13 05 30 41.4–.29**	**17.84S–.05**	**178.62W–.04**	**550–2**	**4.9b**	**1190**	**3-175**
BJI	IV	13 05 30 37.6	17.59S	177.87W	538	4.9b,4.8b		¶15153692
SZGRF	IV	13 05 30 40.1	18.74S	179.85W	33	4.9b,4.8b		
IDC	IV	13 05 30 41.1–.56	17.86S	178.64W	548–6	4.4,4.4		
ISCJB	IV	13 05 30 41.8–.43	17.87S–.04	178.71W–.03	563–5	4.8b,4.4		
NEIC	IV	13 05 30 42.7–.45	17.84S	178.73W	565–5	4.9b,4.4		
AUST	IV	13 05 30 43.4–.01	17.89S	178.54W	576–0	4.9b,4.4		
BGS	IV	13 05 30 43.5–3.5	17.84S	178.73W	565	4.9b,4.4		
GCMT	IV	13 05 30 43.9–.30	17.79S	178.56W	563–2	5.2W,4.4		
DJA	IV	13 05 30 44.2–5.2	18S–15	179W–22	550–48	5.2b,4.9		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}8.52±.29 $M_{\theta\theta}$-0.99±.60; $M_{\phi\phi}$-7.54±.50; $M_{r\theta}$4.62±.57; $M_{\theta\phi}$0.48±.48; $M_{\theta r}$0.33±.56; Best double couple: NP1:ϕ_s17.00000°,δ49.00000°,λ120.00000°. NP2: ϕ_s155.00000°,δ49.00000°,λ60.00000°. Principal axes: T 10.4000,Plg68.0000°,Azm356.0000° ; N -2.8000,Plg22.0000°,Azm176.0000°; P -7.6000,Plg0.0000°,Azm266.0000° M_θ9.00000×10^{16}

IDC IV 13 06 39 27.6–2.4 18.65S 177.03W 310–27 3.6,3.4
¶16152744

IDC Error ellipse: s-maj=25.6km s-min=13.3km az=141.0.
IDC IV 13 11 33 49.5–57 21.49S 177.85W 0 4.0,3.9
¶16152755

IDC Error ellipse: s-maj=1037.0km s-min=154.6km az=84.0.
IDC IV 13 13 24 04.3–3.4 20.58S 176.03W 155–39 3.5,3.4
¶16152759

IDC Error ellipse: s-maj=49.0km s-min=22.8km az=115.0.
IDC IV 13 13 53 03.6–55 15.96S 176.72W 0 3.8,3.6
¶16152760

IDC Error ellipse: s-maj=1034.0km s-min=163.6km az=77.0.

ISC	**IV**	**14 14 22 57.0–.34**	**16.20S–.08**	**179.20W–.06**	**450**	**4.4b**	**341**	**8-177**
SZGRF	IV	14 14 22 08.4	16.84S	178.74W	33	4.4b		¶15153701
ISCJB	IV	14 14 22 56.7–.18	16.14S–.07	179.23W–.05	450	4.3b		
IDC	IV	14 14 22 58.4–1.0	16.27S	179.09W	466–11	4.1,4.1		
AUST	IV	14 14 22 59.1–.02	16.25S	178.91W	482–0	4.1,4.1		

ISC Event type ke.
SZGRF Fiji Islands region.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=3.9km az=153.3.
IDC Error ellipse: s-maj=11.9km s-min=8.3km az=134.0.
AUST Error ellipse: s-maj=1.6km s-min=1.2km az=23.0.
IDC IV 14 20 50 35.1–10 18.95S 177.90W 601–129 3.1,2.9
¶16152790

IDC Error ellipse: s-maj=94.0km s-min=51.7km az=155.0.
IDC IV 14 21 50 26.1–27 20.91S 178.08W 542–267 3.3,3.2
¶16152792

IDC Error ellipse: s-maj=167.0km s-min=43.8km az=67.0.

ISC	**IV**	**14 22 37 47.2–.53**	**16.5S–.10**	**177.64W–.08**	**35**	**4.4b,4.2s**	**35**	**4-146**
IDC	IV	14 22 37 42.0–1.0	16.45S	177.66W	0	4.4,4.2		¶12840192
ISCJB	IV	14 22 37 45.1–.50	16.5S–.10	177.72W–.06	33	4.3s,4.2b		
NEIC	IV	14 22 37 46.9–.53	16.40S	177.74W	35	4.6b,4.2b		
GCMT	IV	14 22 37 48.2–.20	16.17S	177.65W	17–1	5.1W,4.2b		

ISC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=20.6km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=7.6km az=164.3.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=10.4km az=155.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s28,c35; s79,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}0.48±.17 $M_{\theta\theta}$-4.84±.17; $M_{\phi\phi}$4.36±.15; $M_{r\theta}$0.51±.40; $M_{\theta\phi}$0.06±.13; $M_{\theta r}$3.67±.58; Best double couple: NP1:ϕ_s310.00000°,δ63.00000°,λ162.00000°. NP2:ϕ_s49.00000°,δ74.00000°,λ28.00000°. Principal axes: T 6.5800,Plg31.0000° ,Azm272.0000°; N -1.6800,Plg58.0000°,Azm76.0000°; P -4.9000,Plg7.0000°,Azm178.0000° M_σ5.70000×10^{16}

ISC	**IV**	**14 23 29 34.1–.37**	**16.40S–.05**	**177.68W–.04**	**13–1**	**5.5s,5.3b**	**827**	**4-177**
AUST	IV	14 23 29 24.4	15.89S	176.55W	0	5.5s,5.3b		¶15153721
SZGRF	IV	14 23 29 28.5	18.41S	176.41W	33	5.5s,5.3b		
IDC	IV	14 23 29 31.4–.47	16.31S	177.62W	0	5.4,5.4s		
ISCJB	IV	14 23 29 32.0–.13	16.37S–.04	177.70W–.03	11	5.5s,5.2b		
BJI	IV	14 23 29 32.0	16.30S	177.70W	10	5.9s,5.6b		
NEIC	IV	14 23 29 33.4–.18	16.31S	177.73W	10	5.9W,5.9W		
MOS	IV	14 23 29 35.8–1.4	16.41S	177.77W	33	5.6b,5.4s		
GCMT	IV	14 23 29 38.2–.10	16.25S	177.52W	12	5.9W,5.4s		
DJA	IV	14 23 30 01.6–5.3	17S–15	179W–20	216–44	5.5b,5.0		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}1.20 $M_{\theta\theta}$-5.23 $M_{\phi\phi}$4.03 $M_{r\theta}$-1.94 $M_{\theta\phi}$0.85 $M_{\theta r}$6.15 Best double couple: NP1:ϕ_s322.00000° ,δ83.00000°,λ129.00000°. NP2:ϕ_s60.00000°,δ40.00000°,λ11.00000°. Principal axes: T 8.9500,Plg38.0000°,Azm267.0000°; N -2.2800,Plg38.0000°,Azm136.0000° ; P -6.6600,Plg27.0000°,Azm21.0000° M_θ8.00000×10^{17}

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=115, comp=251, per= 50. Moment Tensor Solution. s92,c193; s82,c104; Moment tensor: Scale 10^{17}Nm; M_{rr}0.27±.06 $M_{\theta\theta}$-7.46±.06; $M_{\phi\phi}$7.19±.05; $M_{r\theta}$0.05±.15; $M_{\theta\phi}$2.18±.05; $M_{\theta r}$0.50±.15; Best double couple: NP1:ϕ_s53.00000°,δ87.00000°,λ3.00000°. NP2:ϕ_s323.00000°,δ87.00000°,λ177.00000°. Principal axes: T 7.5400,Plg4.0000°,Azm278.0000°; N 0.2400,Plg86.0000°,Azm100.0000° ; P -7.7800,Plg0.0000°,Azm8.0000° M_θ7.70000×10^{17}

ISC	**IV**	**15 00 50 09.0–.64**	**16.2S–.10**	**177.7W–.10**	**10**	**4.3b,4.0s**	**29**	**6-148**
ISCJB	IV	15 00 50 07.6–.54	16.23S–.09	177.8W–.10	10	4.2s,4.2b		¶12840202
IDC	IV	15 00 50 07.8–.86	16.14S	177.77W	0	4.2,4.1		
NEIC	IV	15 00 50 09.2–.40	16.20S	177.76W	10	4.4b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=11.4km az=31.9.
IDC Error ellipse: s-maj=42.3km s-min=22.8km az=133.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.7km az=120.0.
IDC IV 15 05 05 32.5–4.8 20.75S 178.42W 557–53 3.5,3.3
¶12935316

IDC Error ellipse: s-maj=29.3km s-min=21.1km az=82.0.
IDC IV 15 20 25 42.8–1.6 16.91S 177.98W 0 4.4,4.1
¶16152823

IDC Error ellipse: s-maj=105.6km s-min=22.7km az=149.0.
IDC IV 16 12 27 35.0–10 17.20S 177.80W 0 3.9,3.5
¶16152841

IDC Error ellipse: s-maj=490.3km s-min=39.1km az=142.0.
IDC IV 16 13 35 18.6–8.5 18.09S 177.75W 384–88 3.6,3.3
¶16152843

IDC Error ellipse: s-maj=49.1km s-min=23.5km az=149.0.
IDC IV 17 11 19 16.1–1.3 19.32S 177.53W 561–16 3.4,3.2

¶16152903
IDC Error ellipse: s-maj=18.6km s-min=10.6km az=147.0.
ISC IV 18 17 49 39.7–.23 20.61S–.04 178.38W–.03 569–1 5.1b 1607 4-176
NOU IV 18 17 49 07.5–.30 18.40S 177.80W 30 5.1b ¶15153797
MOS IV 18 17 49 36.8–.93 20.43S 178.52W 533 5.0b
DJA IV 18 17 49 38.9–.70 21S–5.0 178W–6.0 553–10 6.4,5.8b
ISCJB IV 18 17 49 38.2–.50 20.67S–.03 178.48W–.02 555–6 5.1b,5.8b
BJI IV 18 17 49 38.8 20.29S 177.97W 572 5.4b,5.2b
NEIC IV 18 17 49 39.5–.12 20.61S 178.48W 566 5.7W,5.0b
IDC IV 18 17 49 40.5–.47 20.55S 178.46W 570–5 4.6,4.6
AUST IV 18 17 49 41.2–.02 20.58S 178.38W 578–0 4.6,4.6
GCMT IV 18 17 49 42.1–.20 20.58S 178.41W 575–1 5.7W,4.6
SZGRF IV 18 17 49 42.1 20.72S 177.48W 595 5.7W,4.6
ISC Event type se.
NOU Error ellipse: s-maj=221.8km s-min=899.0km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=7.5km az=61.7.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.8km az=160.6.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.0km az=147.0. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93 $M_{\theta\theta}$1.04 $M_{\phi\phi}$-0.11 $M_{r\theta}$-2.43 $M_{\theta\phi}$-1.19 $M_{\phi r}$-3.98 Best double couple: NP1:ϕ_s148.00000°,δ1.00000°,λ-153.00000°. NP2:ϕ_s31.00000° ,δ90.00000°,λ-90.00000°. Principal axes: T 3.7700,Plg44.0000°,Azm120.0000° ; N 1.7900,Plg0.0000°,Azm211.0000°; P -5.5600,Plg45.0000°,Azm301.0000° M_o4.90000×10^{17}
IDC Error ellipse: s-maj=8.4km s-min=6.7km az=158.0.
AUST Error ellipse: s-maj=1.0km s-min=0.8km az=287.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c164; s42,c42; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.27±.05 $M_{\theta\theta}$0.49±.08; $M_{\phi\phi}$0.78±.08; $M_{r\theta}$-2.78±.08; $M_{\theta\phi}$0.07±.07; $M_{\phi r}$-3.76±.07; Best double couple: NP1:ϕ_s203.00000°,δ6.00000°,λ-103.00000°. NP2:ϕ_s36.00000°,δ84.00000°,λ-89.00000°. Principal axes: T 4.5200,Plg39.0000° ,Azm125.0000°; N 0.5300,Plg1.0000°,Azm216.0000°; P -5.0500,Plg51.0000°,Azm308.0000° M_o4.80000×10^{17}
SZGRF Fiji Islands region.
IDC IV 18 17 50 12.7–4.9 20.60S 178.36W 539–52 4.2,4.1
¶16152999
IDC Error ellipse: s-maj=36.0km s-min=19.6km az=148.0.
IDC IV 19 01 34 03.0–7.0 17.53S 178.50W 441–76 3.5,3.3
¶16153014
IDC Error ellipse: s-maj=68.9km s-min=25.2km az=151.0.
IDC IV 19 02 00 37.7–10 18.24S 178.12W 647–144 3.1,2.9
¶16153016
IDC Error ellipse: s-maj=89.5km s-min=42.7km az=158.0.
IDC IV 19 15 03 43.9–28 18.55S 178.49W 640–254 2.6,2.4
¶16153068
IDC Error ellipse: s-maj=316.3km s-min=77.3km az=123.0.
IDC IV 19 22 02 58.8–1.1 15.88S 176.22W 0 4.5,4.2
¶16153095
IDC Error ellipse: s-maj=46.8km s-min=29.7km az=123.0.
ISC IV 19 22 51 13.8–.50 20.10S–.07 178.35W–.06 599–5 4.4b 258 8-173
ISCJB IV 19 22 51 09.8–.73 19.97S–.07 178.44W–.05 551–8 4.4b ¶15153813
NEIC IV 19 22 51 12.4–.93 19.97S 178.40W 577–11 4.4b
AUST IV 19 22 51 13.0–.02 19.81S 178.18W 601–0 4.4b
IDC IV 19 22 51 14.8–.56 20.17S 178.41W 610–6 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.4km az=161.3.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.3km az=143.0.
AUST Error ellipse: s-maj=2.6km s-min=1.7km az=357.0.
IDC Error ellipse: s-maj=10.5km s-min=8.0km az=140.0.
IDC IV 19 22 58 23.8–1.9 19.90S 178.36W 559–24 3.3,3.1
¶16153098
IDC Error ellipse: s-maj=30.7km s-min=15.4km az=148.0.
IDC IV 20 10 24 57.3–8.2 17.47S 178.83W 610–110 3.3,3.1
¶16153129
IDC Error ellipse: s-maj=89.0km s-min=32.8km az=159.0.
IDC IV 20 21 47 59.9–1.8 17.74S 178.65W 557–21 3.5,3.4
¶16153171
IDC Error ellipse: s-maj=28.0km s-min=14.5km az=150.0.
IDC IV 20 22 05 42.6–3.1 13.84S 174.78E 0 4.2,3.9b
¶16153172
IDC Error ellipse: s-maj=138.0km s-min=35.9km az=139.0.
ISC IV 21 02 38 38.8–.40 20.93S–.07 178.66W–.08 579 4.4b 416 4-172
IDC IV 21 02 38 37.7–1.5 20.80S 178.57W 563–16 3.9,3.8 ¶12935916
ISCJB IV 21 02 38 38.2–.20 20.91S–.06 178.74W–.05 579 4.3b,3.8
NEIC IV 21 02 38 41.2–1.1 20.65S 178.83W 593–9 4.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=11.1km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.2km az=148.9.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=7.3km az=154.0.
ISC IV 21 12 26 36.0–.60 17.8S–.10 178.41W–.10 579 3.7b 31 7-175
IDC IV 21 12 26 33.8–1.4 17.90S 178.48W 540–18 3.4,3.2 ¶15153882
ISCJB IV 21 12 26 34.9–.48 17.8S–.10 178.45W–.09 579 3.7b,3.2
AUST IV 21 12 26 36.2–.00 17.66S 178.44W 575–0 3.7b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=11.5km az=146.0.
ISCJB Event type ke. Error ellipse: s-maj=20.4km s-min=7.6km az=155.8.
AUST Error ellipse: s-maj=3.2km s-min=1.6km az=350.0.
IDC IV 22 09 12 25.2–7.4 17.73S 177.67W 0 4.0,3.7
¶16153262
IDC Error ellipse: s-maj=323.8km s-min=38.7km az=142.0.
ISC IV 22 14 47 05.8–.65 17.9S–.20 178.2W–.10 590 3.9b 28 7-150
IDC IV 22 14 46 56.1–3.0 17.87S 178.04W 478–31 3.6,3.6 ¶15153907
AUST IV 22 14 46 57.3 17.06S 178.54W 450 3.6,3.6
ISCJB IV 22 14 47 04.2–.56 17.9S–.10 178.27W–.10 590 3.8b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC IV 22 15 05 30.9–2.8 15.28S 177.62W 382–55 3.4,3.1
¶16153267
IDC Error ellipse: s-maj=157.8km s-min=17.8km az=150.0.
ISC IV 22 16 48 04.4–.40 19.88S–.06 177.69W–.06 540–3 4.6b 604 5-173
ISCJB IV 22 16 48 01.3–.87 19.60S–.06 177.90W–.05 504–10 4.6b ¶13438995
BGS IV 22 16 48 04.3–3.7 19.68S 177.82W 534 4.6b
NEIC IV 22 16 48 04.3–.18 19.68S 177.82W 534 4.6b
BJI IV 22 16 48 04.5 19.87S 177.64W 555 5.1b,4.5b
IDC IV 22 16 48 04.3–.69 19.64S 177.87W 531–7 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.9km az=156.9.
BGS Error ellipse: s-maj=482.1km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.3km az=148.0.
IDC Error ellipse: s-maj=12.2km s-min=8.4km az=141.0.
IDC IV 23 00 05 56.5–2.9 18.21S 177.66W 0 4.0,3.6
¶16153282
IDC Error ellipse: s-maj=336.9km s-min=34.5km az=159.0.
IDC IV 23 00 35 37.9–1.6 16.01S 176.83W 0 4.0,3.8
¶16153283
IDC Error ellipse: s-maj=151.4km s-min=22.0km az=152.0.
ISC IV 23 05 53 51.1–.77 20.2S–.20 178.0W–.10 569 3.7b 25 8-173
IDC IV 23 05 53 46.5–2.6 20.22S 177.82W 519–26 3.5,3.3 ¶16153294
ISCJB IV 23 05 53 50.2–1.1 20.2S–.30 178.1W–.20 569 3.7b,3.3
AUST IV 23 05 54 34.1 20.36S 176.39E 600 3.7b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=43.5km s-min=15.0km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=40.5km s-min=14.0km az=148.5.
ISC IV 23 08 59 36.0–.52 17.60S–.08 177.28W–.07 387–4 4.5b 503 4-175
BJI IV 23 08 59 29.6 18.32S 176.52W 383 5.0b,4.5b ¶12668803
IDC IV 23 08 59 30.4–1.3 17.52S 177.24W 331–13 4.3,4.1
ISCJB IV 23 08 59 35.6–1.0 17.64S–.07 177.41W–.05 395–10 4.4b,4.1
NEIC IV 23 08 59 35.9–.72 17.63S 177.35W 387–7 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=8.8km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.4km az=152.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.5km az=146.0.
IDC IV 23 20 47 34.6–.84 18.91S 173.92E 0 4.7L,4.4

¶12842940
IDC Error ellipse: s-maj=23.9km s-min=20.9km az=86.0.
IDC IV 24 04 34 44.6–1.5 18.72S 177.75W 620–20 3.6,3.5
¶16153324
IDC Error ellipse: s-maj=18.3km s-min=10.4km az=143.0.
IDC IV 24 08 00 48.4–2.1 16.96S 178.84W 539–41 3.0,2.9
¶16153329
IDC Error ellipse: s-maj=156.1km s-min=19.4km az=151.0.
IDC IV 24 14 42 18.6–1.8 16.87S 179.13W 529–22 3.6,3.5
¶16153338
IDC Error ellipse: s-maj=73.9km s-min=19.0km az=151.0.
IDC IV 24 19 10 09.4–7.8 17.25S 177.38W 0 4.2,3.9
¶12842946
IDC Error ellipse: s-maj=383.6km s-min=30.2km az=145.0.
IDC IV 25 00 46 02.0–10 19.44S 177.98W 510–126 3.2,2.9
¶16153357
IDC Error ellipse: s-maj=136.1km s-min=39.1km az=162.0.
IDC IV 25 02 38 45.6–15 18.99S 177.53W 520–132 3.2,3.0
¶16153360
IDC Error ellipse: s-maj=202.3km s-min=43.8km az=136.0.
ISC IV 25 23 20 15.3–1.6 20.9S–.30 177.9W–.20 500 4.3b 23 9-148
AUST IV 25 23 19 15.2 21.47S 172.79W 200 4.3b ¶16153393
IDC IV 25 23 20 17.5–2.7 20.43S 178.17W 506–23 3.8,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=80.4km s-min=16.0km az=148.0.
IDC IV 26 05 42 18.9–5.5 20.51S 176.57W 0 3.8,3.5
¶16154508
IDC Error ellipse: s-maj=305.6km s-min=75.1km az=155.0.
IDC IV 26 09 37 17.0–2.6 19.70S 176.99W 299–37 3.6,3.4
¶16154511
IDC Error ellipse: s-maj=35.9km s-min=19.0km az=121.0.
IDC IV 26 20 19 15.4–3.4 17.46S 179.13W 570–41 3.5,3.2
¶16154531
IDC Error ellipse: s-maj=42.1km s-min=13.6km az=150.0.
IDC IV 27 07 03 30.6–7.7 15.48S 178.84W 466–88 3.4,3.2
¶16154546
IDC Error ellipse: s-maj=61.1km s-min=23.4km az=152.0.
IDC IV 27 13 14 26.0–2.2 20.76S 177.59W 469–26 3.6,3.6b
¶16154560
IDC Error ellipse: s-maj=22.8km s-min=19.2km az=143.0.
ISC IV 27 15 58 41.3–.50 19.5S–.10 177.7W–.10 350 4.0b 80 8-174
SZGRF IV 27 15 58 02.1 19.85S 176.21W 33 4.0b ¶13439132
PRU IV 27 15 58 11.7 16.70S 175.75W 30 4.0b
VIE IV 27 15 58 23.1 19.36S 177.48W 170 3.9b
ISCJB IV 27 15 58 40.7–.46 19.49S–.09 177.78W–.09 350 3.9b
IDC IV 27 15 58 41.3–1.6 19.56S 177.67W 349–16 3.9,3.8
ISC Event type ke.
SZGRF Fiji Islands region.
VIE 307 km NW of Nuku'alofa .
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=7.5km az=137.1.
IDC Error ellipse: s-maj=14.3km s-min=8.8km az=120.0.
IDC IV 27 18 05 37.3–52 18.72S 178.16W 0 3.9,3.7
¶16154570
IDC Error ellipse: s-maj=961.4km s-min=148.0km az=80.0.
IDC IV 27 18 20 13.1–5.4 20.63S 178.15W 519–58 3.3,3.1
¶16154571
IDC Error ellipse: s-maj=29.1km s-min=23.3km az=13.0.
IDC IV 28 20 15 27.6–53 17.55S 176.62W 0 4.1,4.0
¶16154593
IDC Error ellipse: s-maj=983.0km s-min=158.8km az=79.0.
IDC IV 29 13 01 03.7–1.9 17.44S 178.02W 0 4.1,3.9
¶16154622
IDC Error ellipse: s-maj=119.5km s-min=27.7km az=146.0.
IDC IV 29 13 05 16.6–3.9 16.51S 178.98W 0 4.5,4.3
¶16154623
IDC Error ellipse: s-maj=168.6km s-min=34.8km az=137.0.
ISC IV 29 13 19 02.0–.78 19.5S–.20 177.6W–.10 550 3.8b 17 8-174
ISCJB IV 29 13 19 01.2–.65 19.5S–.10 177.6W–.10 550 3.7b ¶15154019
IDC IV 29 13 19 02.0–1.5 19.50S 177.64W 545–24 3.4,3.4
AUST IV 29 13 19 04.2–.02 19.48S 177.23W 600–0 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=9.3km az=143.7.
IDC Error ellipse: s-maj=21.3km s-min=19.7km az=6.0.
AUST Error ellipse: s-maj=2.6km s-min=1.7km az=351.0.
IDC IV 29 14 50 16.0–13 17.49S 179.04W 690–188 3.2,2.9
¶16154628
IDC Error ellipse: s-maj=79.5km s-min=60.9km az=161.0.
IDC IV 29 17 27 07.4–49 16.50S 177.03W 0 4.2,4.0
¶16154634
IDC Error ellipse: s-maj=902.5km s-min=153.5km az=78.0.
IDC IV 30 01 16 04.8–44 15.07S 177.57W 0 4.1,3.9
¶16154648
IDC Error ellipse: s-maj=827.7km s-min=168.9km az=76.0.
IDC IV 30 04 31 40.2–2.3 18.32S 177.45W 0 4.2,3.8
¶16154653
IDC Error ellipse: s-maj=132.0km s-min=26.8km az=153.0.
IDC IV 30 07 28 27.3–7.1 18.94S 177.91W 611–75 3.0,2.8
¶16154657
IDC Error ellipse: s-maj=92.7km s-min=33.5km az=147.0.
ISC IV 30 09 10 58.7–.44 17.5S–.10 178.70W–.07 547 4.3b 57 8-176
VIE IV 30 09 10 53.5 17.30S 178.88W 472 3.6b ¶15154028
IDC IV 30 09 10 56.4–1.2 17.55S 178.70W 514–13 3.9,3.8
ISCJB IV 30 09 10 57.6–.36 17.54S–.09 178.68W–.06 547 4.1b,3.8
AUST IV 30 09 10 59.3–.01 17.34S 178.61W 557–0 4.1b,3.8
ISC Event type ke.
VIE 301 km ENE of Suva .
IDC Error ellipse: s-maj=13.9km s-min=9.1km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=6.4km az=158.4.
AUST Error ellipse: s-maj=1.5km s-min=1.4km az=6.0.
IDC IV 30 11 14 55.8–2.1 16.72S 178.14W 0 4.1,3.8
¶16154664
IDC Error ellipse: s-maj=125.1km s-min=23.4km az=151.0.
IDC IV 30 19 29 11.2–3.3 17.55S 178.27W 637–43 3.3,3.0
¶16154676
IDC Error ellipse: s-maj=97.6km s-min=14.4km az=154.0.
ISC IV 30 20 05 47.5–1.1 19.5S–.30 177.4W–.10 550 4.4b 18 7-60
IDC IV 30 20 04 20.7–24 17.88S 172.78W 0 4.9,4.8 ¶16154679
ISCJB IV 30 20 05 46.5–.91 19.5S–.30 177.5W–.10 550 4.4b,4.8
AUST IV 30 20 05 47.8–.00 19.48S 177.32W 557–0 4.4b,4.8
ISC Event type ke.
IDC Error ellipse: s-maj=451.5km s-min=146.0km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=36.2km s-min=14.7km az=168.6.
AUST Error ellipse: s-maj=3.2km s-min=1.7km az=354.0.
ISC V 01 01 04 36.1–.62 20.8S–.10 178.6W–.10 579 3.8b 31 14-172
AUST V 01 01 03 46.5 20.78S 171.26W 600 3.8b ¶16154684
ISCJB V 01 01 04 35.2–.57 20.76S–.10 178.6W–.10 579 3.9b
IDC V 01 01 04 40.0–2.2 20.82S 178.73W 624–26 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=12.1km az=140.6.
IDC Error ellipse: s-maj=15.0km s-min=13.9km az=7.0.
IDC V 01 03 57 44.7–6.0 15.05S 176.24W 257–117 3.3,3.1
¶16154686
IDC Error ellipse: s-maj=271.4km s-min=25.7km az=144.0.
IDC V 01 08 54 06.5–2.9 20.29S 178.29W 0 3.9,3.6
¶16154694
IDC Error ellipse: s-maj=307.7km s-min=30.2km az=161.0.
IDC V 01 11 10 10.2–10 17.89S 177.97W 597–104 3.0,2.8
¶16154701
IDC Error ellipse: s-maj=125.2km s-min=39.3km az=133.0.
ISC V 01 12 06 06.6–.36 21.01S–.04 177.14W–.05 314–2 4.9b 807 6-177
SZGRF V 01 12 05 30.8 21.78S 176.45W 33 4.9b ¶15154037

DJA V 01 12 05 56.6–3.5 21S–9.0 177W–14 224–34 4.8,4.8b
ISCJB V 01 12 06 03.0–.76 20.97S–.03 177.22W–.03 284–7 4.8b,4.8b
AUST V 01 12 06 02.6–.42 20.93S 176.90W 273–0 4.8b,4.8b
BJI V 01 12 06 06.1 20.90S 177.30W 315 5.0b,4.8b
IDC V 01 12 06 06.6–1.1 20.92S 177.22W 309–9 4.5,4.5
MOS V 01 12 06 09.7–.85 20.67S 177.37W 341 5.1b,4.5
NEIC V 01 12 06 16.0–1.1 20.90S 177.41W 401–10 4.9b,4.5
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=36.9.
AUST Error ellipse: s-maj=1.1km s-min=0.9km az=313.0.
IDC Error ellipse: s-maj=9.2km s-min=7.0km az=151.0.
MOS Error ellipse: s-maj=7.8km s-min=5.9km az=117.3.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.9km az=146.0.
IDC V 01 14 34 51.8–53 18.50S 178.60W 0 3.9,3.7
¶16154709

IDC Error ellipse: s-maj=971.9km s-min=163.3km az=80.0.
IDC V 01 17 25 21.6–2.0 18.82S 177.91W 562–35 3.4,3.3
¶16154712

IDC Error ellipse: s-maj=110.8km s-min=23.0km az=144.0.
IDC V 01 18 34 48.1–4.2 20.96S 178.07W 494–47 3.6,3.5
¶16154713

IDC Error ellipse: s-maj=22.1km s-min=17.9km az=59.0.
IDC V 01 20 29 23.1–8.5 19.80S 176.65W 0 3.8,3.5
¶16154717

IDC Error ellipse: s-maj=373.2km s-min=40.6km az=144.0.
IDC V 02 05 11 01.3–2.3 18.43S 177.77W 620–40 3.5,3.4
¶16154825

IDC Error ellipse: s-maj=120.2km s-min=35.0km az=154.0.
IDC V 02 17 27 17.1–9.2 17.90S 178.08W 592–96 3.3,3.1
¶16154842

IDC Error ellipse: s-maj=57.3km s-min=24.6km az=71.0.
IDC V 03 02 50 51.8–59 18.92S 176.42E 0 4.6,4.5
AUST V 03 02 50 28.0 18.95S 177.34W 200 4.6,4.5 **¶16154854**
IDC Error ellipse: s-maj=1039.0km s-min=127.9km az=78.0.
IDC V 03 15 46 32.0–2.4 19.87S 178.16W 520–34 3.4,3.2
¶16154867

IDC Error ellipse: s-maj=25.4km s-min=18.4km az=95.0.
ISC V 03 18 16 08.4–1.2 20.1S–.30 177.8W–.20 450 3.6b 22 7-150
AUST V 03 18 15 44.8 20.07S 177.84W 100 3.6b **¶15154083**
ISCJB V 03 18 16 07.7–1.0 20.1S–.20 177.9W–.20 450 3.8b
IDC V 03 18 16 08.3–7.3 20.09S 177.82W 447–76 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.7km s-min=15.2km az=151.3.
IDC Error ellipse: s-maj=55.5km s-min=31.5km az=152.0.
ISC V 03 18 39 25.6–.71 17.6S–.20 178.2W–.10 550 3.6b 26 7-150
VIE V 03 18 39 18.4 17.54S 178.08W 459 3.4b **¶15154080**
ISCJB V 03 18 39 24.7–.59 17.7S–.20 178.2W–.10 550 3.6b
IDC V 03 18 39 25.6–1.9 17.66S 178.19W 550–23 3.5,3.4
AUST V 03 18 39 27.5 17.01S 178.02W 600 3.5,3.4
ISC Event type ke.
VIE 377 km E of Suva .
ISCJB Event type ke. Error ellipse: s-maj=26.4km s-min=11.2km az=148.4.
IDC Error ellipse: s-maj=30.1km s-min=13.3km az=149.0.
ISC V 03 19 59 48.7–.53 20.4S–.10 178.63W–.10 587 3.9b 129 8-173
SZGRF V 03 19 58 42.7 21.82S 175.70W 33 3.9b **¶15154085**
ISCJB V 03 19 59 48.2–.50 20.4S–.10 178.72W–.09 587 3.8b
AUST V 03 19 59 49.8–.00 20.38S 178.38W 610–0 3.8b
IDC V 03 19 59 58.2–2.3 20.46S 178.83W 695–28 3.6,3.5
ISC Event type ke.
SZGRF Tonga Islands.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=9.3km az=149.2.
AUST Error ellipse: s-maj=2.2km s-min=1.5km az=262.0.
IDC Error ellipse: s-maj=15.2km s-min=11.1km az=150.0.
ISC V 04 03 05 11.6–.50 20.41S–.10 178.6W–.10 587 3.8b 51 8-173
ISCJB V 04 03 05 11.0–.45 20.39S–.08 178.70W–.09 587 3.8b **¶16154883**
IDC V 04 03 05 13.6–1.7 20.41S 178.70W 606–19 3.6,3.6
AUST V 04 03 05 23.6 20.46S 173.20E 10 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=7.5km az=39.4.
IDC Error ellipse: s-maj=16.7km s-min=12.3km az=109.0.
IDC V 04 23 12 01.8–2.2 15.74S 176.62W 340–31 3.6,3.4
¶16154908

IDC Error ellipse: s-maj=104.7km s-min=13.5km az=149.0.
IDC V 04 23 58 31.9–6.2 17.65S 178.75W 581–70 3.6,3.3
¶16154910

IDC Error ellipse: s-maj=38.4km s-min=26.5km az=135.0.
ISC V 05 02 29 29.8–.36 21.38S–.06 179.12W–.07 602 4.5b 159 5-172
ISCJB V 05 02 29 29.0–.30 21.23S–.07 179.17W–.06 602 4.5b **¶13439334**
IDC V 05 02 29 31.5–1.1 21.24S 179.19W 620–12 4.0,3.9
NEIC V 05 02 29 32.1–.93 21.25S 179.15W 633–10 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=7.4km az=170.7.
IDC Error ellipse: s-maj=11.5km s-min=9.1km az=163.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=10.2km az=146.0.
IDC V 06 02 30 21.4–1.3 21.97S 176.49W 0 4.4,4.2
¶16155432

IDC Error ellipse: s-maj=54.0km s-min=29.6km az=157.0.
IDC V 06 03 03 21.5–59 20.69S 176.22W 0 4.0,3.8
¶16155434

IDC Error ellipse: s-maj=1104.0km s-min=175.9km az=84.0.
IDC V 06 11 16 54.0–2.7 17.95S 178.93W 614–34 3.5,3.3
¶16155450

IDC Error ellipse: s-maj=32.0km s-min=13.6km az=155.0.
IDC V 06 16 35 39.5–52 19.38S 178.81W 0 4.0,3.8
¶16155457

IDC Error ellipse: s-maj=946.1km s-min=170.8km az=81.0.
ISC V 07 01 00 53.4–1.0 17.9S–.20 178.4W–.20 579 3.9b 30 15-150
VIE V 07 01 00 39.3 18.38S 177.97W 425 3.7b **¶13678473**
ISCJB V 07 01 00 52.8–.87 17.9S–.20 178.5W–.20 579 4.0b
IDC V 07 01 00 57.7–4.0 17.91S 178.61W 627–49 3.7,3.5
AUST V 07 01 01 08.5–99 18.39S 173.32E 3–0 3.7,3.5
ISC Event type ke.
VIE 382 km E of Suva .
ISCJB Event type ke. Error ellipse: s-maj=32.2km s-min=11.4km az=149.3.
IDC Error ellipse: s-maj=35.7km s-min=21.3km az=149.0.
AUST Error ellipse: s-maj=4.9km s-min=2.0km az=275.0.
ISC V 07 02 07 34.7–.43 17.7S–.10 178.61W–.08 547 4.3b 185 3-175
SZGRF V 07 02 06 38.6 16.95S 177.95W 33 4.3b **¶15154193**
BJI V 07 02 07 33.4 17.71S 177.90W 574 4.9b,4.5b
IDC V 07 02 07 34.4–1.4 17.70S 178.66W 536–14 4.3,4.1
ISCJB V 07 02 07 34.5–.27 17.70S–.09 178.74W–.07 547 4.3b,4.1
NEIC V 07 02 07 36.2–.58 17.72S 178.69W 558–6 4.3b,4.1
AUST V 07 02 07 37.6 17.55S 178.50W 600 4.3b,4.1
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=21.0km s-min=11.1km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=4.6km az=148.4.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=5.6km az=150.0.
IDC V 07 07 29 25.3–55 19.11S 176.79W 0 4.3,4.1
¶16155478

IDC Error ellipse: s-maj=1019.0km s-min=174.1km az=81.0.
IDC V 07 12 55 53.5–1.6 17.94S 179.39W 613–19 3.6,3.4
¶16155485

IDC Error ellipse: s-maj=23.7km s-min=15.6km az=149.0.
IDC V 07 14 35 48.0–1.6 16.92S 177.82W 0 4.2,3.9
¶16155489

IDC Error ellipse: s-maj=104.4km s-min=21.5km az=147.0.
ISC V 07 16 11 36.6–.41 21.60S–.07 179.14W–.06 602 4.5b 120 5-151
BJI V 07 16 11 33.4 21.96S 178.74W 608 4.8b,4.5b **¶15154201**
ISCJB V 07 16 11 36.0–.35 21.52S–.06 179.25W–.06 602 4.3b,4.5b
NEIC V 07 16 11 36.2–2.0 21.67S 178.98W 616–15 4.5b,4.5b
IDC V 07 16 11 37.1–1.2 21.59S 179.19W 606–15 3.8,3.7
AUST V 07 16 11 38.2 21.60S 179.25W 600 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.4km az=43.3.
NEIC Event type se. Error ellipse: s-maj=40.8km s-min=18.1km az=139.0.
IDC Error ellipse: s-maj=18.0km s-min=11.4km az=155.0.
IDC V 08 11 18 48.8–48 16.59S 176.25W 0 4.3,4.1
¶16155513

IDC Error ellipse: s-maj=897.8km s-min=160.5km az=78.0.
ISC V 08 12 46 17.0–.69 21.7S–.20 179.5W–.10 604 3.8b 34 11-171
IDC V 08 12 46 18.1–2.1 21.50S 179.50W 618–23 3.6,3.4 **¶15154217**
AUST V 08 12 46 32.4–99 21.84S 178.63E 600–8 3.6,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=12.6km az=155.0.
AUST Error ellipse: s-maj=26.9km s-min=4.5km az=254.0.
IDC V 08 13 26 07.4–29 19.42S 178.22W 0 4.2,4.0
¶16155516

IDC Error ellipse: s-maj=549.7km s-min=134.6km az=87.0.
IDC V 08 15 20 38.0–3.0 21.25S 177.98W 554–23 3.4,3.2
¶16155519

IDC Error ellipse: s-maj=84.8km s-min=14.4km az=149.0.
IDC V 08 16 31 50.4–9.8 22.00S 178.51W 0 4.2,4.0
¶16155521

IDC Error ellipse: s-maj=226.1km s-min=41.2km az=38.0.
IDC V 08 16 43 16.5–2.5 17.36S 176.60W 0 4.4,4.3
¶16155522

IDC Error ellipse: s-maj=162.9km s-min=30.7km az=150.0.
IDC V 09 00 47 46.4–50 18.46S 177.45W 0 4.3,4.1
¶16155532

IDC Error ellipse: s-maj=918.7km s-min=166.5km az=80.0.
IDC V 09 02 38 49.6–72 14.54S 179.85W 0 4.2,4.1
¶16155534

IDC Error ellipse: s-maj=1319.0km s-min=171.4km az=74.0.
IDC V 09 09 10 12.9–1.6 19.32S 177.45W 572–20 3.6,3.4
¶16155541

IDC Error ellipse: s-maj=27.0km s-min=12.3km az=148.0.
IDC V 09 14 15 50.1–30 16.23S 177.12W 0 4.2,4.0
¶16155547

IDC Error ellipse: s-maj=581.0km s-min=145.1km az=82.0.
IDC V 09 19 01 45.0–3.2 19.00S 177.81W 600–40 3.5,3.4
¶16155555

IDC Error ellipse: s-maj=88.8km s-min=25.6km az=154.0.
IDC V 10 08 41 50.5–47 18.21S 177.71W 0 4.0,3.8
¶16155578

IDC Error ellipse: s-maj=874.8km s-min=159.8km az=80.0.
ISC V 10 14 21 50.3–1.0 20.8S–.30 178.7W–.20 579 3.6b 29 8-150
AUST V 10 14 21 42.5–1.2 20.04S 179.61E 315–0 3.6b **¶15154251**
ISCJB V 10 14 21 49.9–.95 20.7S–.30 178.9W–.20 579 3.7b
IDC V 10 14 21 51.3–2.1 20.75S 178.76W 588–23 3.5,3.3
ISC Event type ke.
AUST Error ellipse: s-maj=1.9km s-min=1.6km az=354.0.
ISCJB Event type ke. Error ellipse: s-maj=37.5km s-min=10.3km az=151.5.
IDC Error ellipse: s-maj=38.2km s-min=13.0km az=150.0.
IDC V 10 19 13 10.5–1.5 17.80S 178.54W 566–19 3.7,3.5
¶16155600

IDC Error ellipse: s-maj=49.1km s-min=9.9km az=152.0.
IDC V 10 22 30 55.2–4.0 19.98S 178.23W 597–48 3.8,3.6
¶16155613

IDC Error ellipse: s-maj=69.5km s-min=20.9km az=156.0.
ISC V 11 05 11 36.9–.33 19.67S–.05 177.57W–.05 376–2 4.8b 676 5-173
DJA V 11 05 11 25.1–5.0 20S–15 178W–20 251–42 5.0,5.0b **¶13439491**
IDC V 11 05 11 33.9–.88 19.63S 177.57W 345–7 4.4,4.4
ISCJB V 11 05 11 36.6–1.0 19.63S–.05 177.71W–.04 381–10 4.8b,4.4
BJI V 11 05 11 36.5 19.50S 177.42W 383 4.8b,4.8b
SZGRF V 11 05 11 36.9 19.58S 177.36W 370 4.8b,4.8b
MOS V 11 05 11 37.3–1.0 19.50S 177.75W 383 5.0b,4.8b
NEIC V 11 05 11 38.1–.74 19.60S 177.71W 387–7 4.8b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=9.7km s-min=7.9km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.5km az=149.1.
SZGRF Fiji Islands region.
MOS Error ellipse: s-maj=9.2km s-min=7.5km az=47.3.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.7km az=147.0.
ISC V 11 05 26 38.5–.45 16.39S–.07 177.59W–.05 14–2 4.8b,4.6s 266 4-177
IDC V 11 05 26 36.1–.57 16.18S 177.75W 0 4.6,4.6 **¶12793124**
ISCJB V 11 05 26 36.1–4.0 16.31S–.09 177.74W–.05 15–28 4.8b,4.6s
BJI V 11 05 26 37.9 16.20S 177.80W 10 5.2b,5.0s
MOS V 11 05 26 40.7–1.2 16.14S 177.83W 33 5.0b,5.0s
NEIC V 11 05 26 41.7–.22 16.31S 177.78W 35 4.8b,5.0s
GCMT V 11 05 26 42.5–.20 16.18S 177.53W 12 5.2W,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=13.5km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=7.0km az=165.3.
MOS Error ellipse: s-maj=12.8km s-min=8.8km az=141.3.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=4.9km az=150.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s64,c88; s95,c170; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.73±.16 $M_{\theta\theta}$-7.93±.16; $M_{\phi\phi}$8.67±.14; $M_{r\theta}$0.54±.39; $M_{\theta\phi}$3.92±.15; $M_{\theta r}$0.86±.39; Best double couple: NP1:ϕ_s328.00000°,δ85.00000°,λ178.00000°. NP2:ϕ_s58.00000°,δ88.00000°,λ5.00000°. Principal axes: T 9.6400,Plg5.0000°,Azm283.0000° ; N -0.8100,Plg84.0000°,Azm78.0000°; P -8.8200,Plg2.0000°,Azm193.0000° $M_0$9.20000×10^{16}
IDC V 11 06 09 02.6–3.0 16.12S 177.68W 0 4.1,3.8
¶16155625

IDC Error ellipse: s-maj=178.4km s-min=33.1km az=146.0.
ISC V 11 06 51 11.3–.71 16.3S–.20 177.8W–.10 35 4.1b,4.0s 33 4-149
IDC V 11 06 51 06.2–.80 16.19S 177.66W 0 4.3,4.1 **¶13439494**
NEIC V 11 06 51 07.4–.39 16.33S 177.64W 10 4.4b,4.1
ISCJB V 11 06 51 09.7–.54 16.2S–.20 177.8W–.10 33 4.2b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 11 14 59 31.6–1.4 14.41S 178.52W 0 4.1,3.9
¶16155634

IDC Error ellipse: s-maj=67.8km s-min=25.2km az=154.0.
IDC V 11 16 28 44.7–51 16.79S 179.31W 0 4.1,3.9
¶16155639

IDC Error ellipse: s-maj=928.7km s-min=147.1km az=77.0.
IDC V 11 17 10 33.1–58 16.53S 176.45W 0 3.9,3.7
¶16155640

IDC Error ellipse: s-maj=1075.0km s-min=177.9km az=78.0.
IDC V 11 22 14 19.6–48 15.39S 178.22W 0 3.9,3.7
¶16155652

IDC Error ellipse: s-maj=896.1km s-min=170.6km az=76.0.
ISC V 11 22 59 19.3–.84 19.0S–.30 177.6W–.20 570 3.5b 20 8-174
VIE V 11 22 59 15.9 18.39S 177.91W 497 3.0b **¶13678782**
IDC V 11 22 59 18.7–1.8 19.07S 177.63W 558–18 3.3,3.1
ISC Event type ke.
VIE 388 km E of Suva .
IDC Error ellipse: s-maj=39.0km s-min=14.2km az=148.0.
ISC V 13 03 26 16.8–.66 15.4S–.20 178.8W–.10 400 4.0b 24 7-145
AUST V 13 03 25 39.9–.02 14.26S 174.65W 332–0 4.0b **¶16155696**
ISCJB V 13 03 26 15.7–.52 15.5S–.10 178.84W–.10 400 3.9b
IDC V 13 03 26 17.5–2.4 15.47S 178.80W 407–28 3.8,3.6
ISC Event type ke.
AUST Error ellipse: s-maj=3.3km s-min=2.1km az=343.0.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=9.7km az=147.9.
IDC Error ellipse: s-maj=24.5km s-min=12.0km az=144.0.
IDC V 13 09 03 34.9–31 20.64S 177.78W 0 4.4,4.2
¶16155707

IDC Error ellipse: s-maj=599.7km s-min=151.4km az=89.0.

IDC V 13 10 31 48.1–2.8 19.56S 178.08W 459–42 3.3,3.2
¶16155709

IDC Error ellipse: s-maj=133.8km s-min=19.7km az=143.0.
IDC V 13 11 18 55.0–2.1 17.74S 176.54W 440–39 3.1,3.0
¶16155710

IDC Error ellipse: s-maj=134.9km s-min=23.6km az=140.0.
IDC V 13 17 59 26.7–52 16.40S 178.78W 0 3.9,3.7
¶16155717

IDC Error ellipse: s-maj=962.4km s-min=149.5km az=77.0.
IDC V 13 22 45 32.6–11 17.44S 178.51W 539–130 3.3,3.0
¶16155726

IDC Error ellipse: s-maj=117.9km s-min=47.4km az=147.0.
IDC V 14 10 06 48.3–6.7 18.35S 177.58W 0 4.6,4.4
¶16155739

IDC Error ellipse: s-maj=171.2km s-min=106.9km az=135.0.
ISC V 14 17 52 23.6–.91 17.9S–.20 178.5W–.10 579 3.6b 20 15-148
AUST V 14 17 50 27.6–99 18.90S 169.45W 0–6 3.6b ¶16155748
ISCJB V 14 17 52 22.4–.78 17.9S–.10 178.4W–.10 579 3.6b
IDC V 14 17 52 26.0–2.6 17.95S 178.55W 607–32 3.3,3.1
ISC Event type ke.
AUST Error ellipse: s-maj=6.3km s-min=2.8km az=267.0.
ISCJB Event type ke. Error ellipse: s-maj=19.8km s-min=14.9km az=153.5.
IDC Error ellipse: s-maj=21.7km s-min=16.4km az=161.0.
ISC V 14 19 59 18.1–1.3 17.9S–.30 178.0W–.20 590 3.7b 17 36-148
AUST V 14 19 58 23.6 18.95S 177.34W 0 3.7b ¶15154314
ISCJB V 14 19 59 17.2–1.3 17.8S–.30 178.1W–.20 590 3.6b
IDC V 14 19 59 22.9–6.3 17.83S 178.21W 647–70 3.3,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=44.4km s-min=20.3km az=148.1.
IDC Error ellipse: s-maj=53.1km s-min=34.2km az=135.0.
IDC V 15 07 15 42.1–4.3 20.97S 177.56W 0 4.7,4.5
¶16155760

IDC Error ellipse: s-maj=171.2km s-min=48.6km az=141.0.
IDC V 15 10 15 15.6–2.5 16.18S 178.51W 0 4.3,4.0
¶16155768

IDC Error ellipse: s-maj=275.2km s-min=33.7km az=158.0.
ISC V 15 13 59 02.1–.54 21.0S–.10 176.6W–.10 219 3.9b 58 6-154
SZGRF V 15 13 58 39.5 21.00S 176.64W 33 3.9b ¶13678998
IDC V 15 13 59 04.8–2.6 20.72S 176.83W 234–24 3.9,3.7
NEIC V 15 13 59 06.5–1.6 20.75S 176.75W 275–16 4.5b,3.7
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=27.5km s-min=11.7km az=145.0.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=13.4km az=139.0.
IDC V 15 15 22 21.2–6.0 20.41S 178.69W 540–70 3.5,3.3
¶16155771

IDC Error ellipse: s-maj=26.7km s-min=21.7km az=27.0.
IDC V 15 15 23 59.3–20 18.78S 178.95W 654–184 3.3,3.2
¶16155772

IDC Error ellipse: s-maj=175.0km s-min=86.7km az=87.0.
IDC V 15 18 41 53.1–3.3 17.15S 177.97W 0 4.1,3.8
¶16155777

IDC Error ellipse: s-maj=109.1km s-min=31.5km az=131.0.
IDC V 16 12 30 45.5–6.2 17.21S 178.71W 598–72 3.1,2.9
¶16155805

IDC Error ellipse: s-maj=81.3km s-min=28.9km az=150.0.
IDC V 16 12 54 18.4–16 18.07S 178.09W 565–140 3.4,3.2
¶16155807

IDC Error ellipse: s-maj=199.7km s-min=40.4km az=133.0.
ISC V 17 01 19 16.0–.69 17.8S–.20 178.3W–.10 579 3.8b 64 34-150
ISCJB V 17 01 19 15.0–.63 17.8S–.10 178.3W–.10 579 3.7b ¶16155827
IDC V 17 01 19 21.1–2.5 17.93S 178.42W 642–30 3.5,3.4
AUST V 17 01 19 32.9 18.97S 173.16E 30 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.2km s-min=11.1km az=144.3.
IDC Error ellipse: s-maj=19.9km s-min=11.0km az=147.0.
IDC V 17 17 31 00.6–1.9 20.92S 178.79W 574–22 3.4,3.3
¶16155852

IDC Error ellipse: s-maj=19.2km s-min=12.0km az=146.0.
IDC V 17 20 04 42.2–6.8 19.37S 176.71W 183–38 3.6,3.4
¶16155854

IDC Error ellipse: s-maj=115.7km s-min=58.1km az=137.0.
ISC V 18 01 24 03.3–.71 17.9S–.20 178.2W–.10 590 3.8b 48 34-150
AUST V 18 01 23 22.0 15.47S 172.44W 600 3.8b ¶13679149
VIE V 18 01 24 01.2 17.53S 178.32W 550 3.4b
ISCJB V 18 01 24 02.5–.65 17.9S–.20 178.2W–.10 590 3.7b
IDC V 18 01 24 07.4–3.9 17.90S 178.30W 637–46 3.6,3.4
ISC Event type ke.
VIE 352 km E of Suva .
ISCJB Event type ke. Error ellipse: s-maj=24.0km s-min=11.8km az=146.9.
IDC Error ellipse: s-maj=27.6km s-min=18.3km az=141.0.
ISC V 18 02 22 34.6–.65 20.9S–.20 178.2W–.10 495 3.9b 52 9-172
ISCJB V 18 02 22 34.4–.69 20.9S–.10 178.2W–.10 495 3.8b ¶13439677
IDC V 18 02 22 40.0–2.3 20.92S 178.22W 552–24 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.0km s-min=10.0km az=141.8.
IDC Error ellipse: s-maj=19.9km s-min=15.7km az=138.0.
ISC V 18 15 44 02.7–.54 17.6S–.10 178.62W–.08 547 3.6b 44 8-147
IDC V 18 15 43 59.5–1.3 17.58S 178.65W 504–15 3.5,3.3 ¶15154384
ISCJB V 18 15 44 01.5–.43 17.6S–.10 178.65W–.07 547 3.7b,3.3
AUST V 18 15 44 02.9–.00 17.50S 178.52W 555–0 3.7b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=11.6km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=7.5km az=156.5.
AUST Error ellipse: s-maj=2.4km s-min=1.4km az=344.0.
IDC V 19 03 19 51.6–8.0 19.53S 177.84W 442–86 3.6,3.5
AUST V 19 03 20 09.9 20.75S 178.54E 300 3.6,3.5 ¶16155895
IDC Error ellipse: s-maj=103.5km s-min=37.0km az=159.0.
IDC V 19 09 27 46.4–7.8 17.30S 178.79W 580–99 3.5,3.3
¶16155901

IDC Error ellipse: s-maj=77.3km s-min=29.1km az=157.0.
IDC V 19 10 22 09.5–2.2 17.57S 176.73E 0 3.7,3.5
¶16155903

IDC Error ellipse: s-maj=149.4km s-min=25.8km az=155.0.
IDC V 19 19 36 52.0–13 19.59S 177.26W 479–132 3.5,3.2
¶16155918

IDC Error ellipse: s-maj=101.7km s-min=46.5km az=126.0.
ISC V 19 20 30 34.9–.30 20.28S–.05 178.89W–.05 641–2 4.5b 372 4-173
AUST V 19 20 30 32.5–.03 20.15S 178.56W 627–0 4.5b ¶15154405
BJI V 19 20 30 33.0 19.98S 178.77W 624 4.7b,4.6b
ISCJB V 19 20 30 34.2–.49 20.33S–.05 178.94W–.04 650–6 4.5b,4.6b
IDC V 19 20 30 34.6–.47 20.32S 178.90W 635–5 4.1,4.0
NEIC V 19 20 30 35.3–.18 20.28S 178.94W 647 4.5b,4.0
ISC Event type fe.
AUST Error ellipse: s-maj=1.5km s-min=1.3km az=264.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.1km az=168.4.
IDC Error ellipse: s-maj=9.1km s-min=8.1km az=138.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=5.6km az=146.0. Felt at Suva.
IDC V 19 20 49 42.6–51 18.59S 178.85W 0 3.7,3.5
¶16155919

IDC Error ellipse: s-maj=928.4km s-min=154.9km az=80.0.
IDC V 19 20 58 52.8–3.3 17.43S 176.29W 0 4.2,4.0
¶16155920

IDC Error ellipse: s-maj=181.1km s-min=34.0km az=144.0.
IDC V 19 22 48 21.3–20 20.06S 178.65W 510–178 3.1,2.8
¶16155923

IDC Error ellipse: s-maj=254.8km s-min=62.9km az=138.0.
IDC V 20 00 34 01.1–4.4 19.39S 177.71W 520–49 3.6,3.3
¶13679271

IDC Error ellipse: s-maj=29.1km s-min=20.7km az=166.0.
IDC V 20 02 56 08.3–18 17.62S 178.41W 626–165 3.0,2.7
¶16155930

IDC Error ellipse: s-maj=258.1km s-min=41.3km az=132.0.
IDC V 20 09 54 27.7–29 16.87S 177.05W 0 4.1,3.9
¶16155944

IDC Error ellipse: s-maj=566.1km s-min=141.7km az=84.0.
IDC V 20 15 25 35.7–30 19.01S 177.35W 0 4.0,3.9
¶16155958

IDC Error ellipse: s-maj=568.2km s-min=147.1km az=87.0.
IDC V 20 17 55 46.8–3.9 16.41S 178.69W 0 4.2,4.0
¶16155964

IDC Error ellipse: s-maj=162.5km s-min=36.1km az=137.0.
IDC V 20 23 33 14.5–26 19.08S 177.86W 317–268 3.2,3.0
¶16155973

IDC Error ellipse: s-maj=160.6km s-min=57.6km az=173.0.
ISC V 21 01 42 52.2–.28 20.84S–.05 179.05W–.06 619 4.6b 403 4-172
SZGRF V 21 01 41 42.2 22.54S 178.23W 33 4.6b ¶15154441
ISCJB V 21 01 42 52.1–.18 20.75S–.05 179.26W–.04 619 4.6b
NEIC V 21 01 42 53.6–.52 20.74S 179.28W 626–6 4.6b
IDC V 21 01 42 53.5–1.1 20.79S 179.18W 627–12 4.2,4.1
BGS V 21 01 42 53.7–4.2 20.74S 179.28W 627 4.6b,4.1
BJI V 21 01 42 54.5 20.12S 179.28W 622 4.7b,4.6b
AUST V 21 01 42 54.4–.02 20.77S 178.98W 649–0 4.7b,4.6b
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.7km az=145.1.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.3km az=148.0.
IDC Error ellipse: s-maj=14.4km s-min=9.6km az=133.0.
BGS Error ellipse: s-maj=334.6km s-min=999.9km az=-1.0.
AUST Error ellipse: s-maj=1.8km s-min=1.4km az=225.0.
ISC V 21 05 35 32.3–1.3 18.3S–.40 178.2W–.30 557 4.1b 17 35-148
AUST V 21 05 34 08.5 16.74S 170.73W 200 4.1b ¶16155981
ISCJB V 21 05 35 31.5–1.2 18.3S–.30 178.2W–.20 557 3.7b
IDC V 21 05 35 34.5–6.7 18.23S 178.31W 578–72 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=52.6km s-min=17.4km az=149.1.
IDC Error ellipse: s-maj=82.2km s-min=32.2km az=146.0.
IDC V 21 12 44 21.9–1.5 18.56S 177.58W 554–20 3.4,3.2
¶16155990

IDC Error ellipse: s-maj=27.8km s-min=13.2km az=135.0.
IDC V 21 14 19 27.0–4.3 17.64S 176.98W 0 3.8,3.6
¶16155994

IDC Error ellipse: s-maj=189.9km s-min=32.9km az=139.0.
IDC V 21 16 32 13.6–28 16.21S 176.03W 0 4.2,4.0
¶16155996

IDC Error ellipse: s-maj=548.6km s-min=146.8km az=84.0.
IDC V 21 16 54 42.5–24 19.27S 178.13W 521–241 3.4,3.3
¶16155998

IDC Error ellipse: s-maj=146.3km s-min=97.8km az=92.0.
IDC V 22 04 45 18.5–20 18.25S 178.17W 383–179 3.6,3.4
¶16156015

IDC Error ellipse: s-maj=156.3km s-min=41.7km az=125.0.
ISC V 22 07 19 16.1–.37 20.72S–.06 179.20W–.06 662–3 4.5b 421 4-172
SZGRF V 22 07 18 03.3 22.35S 179.53W 33 4.5b ¶15154464
AUST V 22 07 19 10.6 20.57S 178.80W 600 4.5b
ISCJB V 22 07 19 14.5–.57 20.72S–.05 179.27W–.04 653–7 4.5b
IDC V 22 07 19 15.2–.53 20.66S 179.29W 648–6 4.2,4.1
NEIC V 22 07 19 16.7–.50 20.69S 179.32W 667–6 4.5b,4.1
BJI V 22 07 19 20.1 20.03S 179.96W 668 4.6b,4.5b
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.6km az=155.4.
IDC Error ellipse: s-maj=11.1km s-min=7.6km az=146.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.5km az=154.0.
IDC V 22 07 59 51.7–30 21.23S 179.41W 0 4.5,4.3
¶16156020

IDC Error ellipse: s-maj=564.8km s-min=134.7km az=89.0.
IDC V 22 14 44 30.4–2.0 19.54S 177.05W 343–21 4.0,4.0b
¶16156024

IDC Error ellipse: s-maj=17.4km s-min=13.1km az=127.0.
ISC V 22 19 49 51.2–.46 21.51S–.06 178.96W–.07 585–3 4.6b 273 5-172
SZGRF V 22 19 48 45.8 23.12S 179.06W 33 4.6b ¶12854200
ISCJB V 22 19 49 46.7–.94 21.45S–.06 179.00W–.06 541–11 4.5b
IDC V 22 19 49 48.0–1.3 21.50S 178.87W 546–14 4.1,4.1
NEIC V 22 19 49 50.1–.71 21.49S 179.00W 573–7 4.7b,4.1
BJI V 22 19 49 51.1 21.48S 179.00W 594 4.6b,4.6b
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.8km az=145.1.
IDC Error ellipse: s-maj=11.9km s-min=9.8km az=118.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.5km az=144.0.
ISC V 23 20 01 33.6–.49 20.8S–.10 178.2W–.10 495 3.8b 105 9-172
SZGRF V 23 20 00 36.8 22.28S 178.11W 33 3.8b ¶13439767
IDC V 23 20 01 29.9–1.5 20.74S 178.15W 453–15 3.8,3.7
ISCJB V 23 20 01 32.5–.46 20.9S–.10 178.2W–.10 495 3.8b,3.7
VIE V 23 20 01 33.6 20.76S 178.22W 496 3.4b,3.7
ISC Event type ke.
SZGRF South of Fiji Islands.
IDC Error ellipse: s-maj=15.2km s-min=9.4km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=17.8km s-min=10.9km az=32.9.
VIE 313 km W of Nuku'alofa .
ISC V 24 02 04 18.4–1.7 19.6S–.30 178.0W–.30 600 3.8b 18 34-149
AUST V 24 02 02 27.8 18.62S 169.96W 0 3.8b ¶16156077
IDC V 24 02 04 16.9–5.6 19.56S 178.02W 573–63 3.6,3.3
ISCJB V 24 02 04 17.8–1.1 19.7S–.30 178.1W–.20 600 3.8b,3.3
ISC Event type ke.
ISCJB Event type ke.
IDC V 24 11 57 19.9–7.9 17.73S 178.43W 659–107 3.1,2.8
¶16156097

IDC Error ellipse: s-maj=119.7km s-min=40.1km az=160.0.
ISC V 24 15 00 05.3–.61 21.1S–.10 178.4W–.10 500 3.7b 33 10-172
ISCJB V 24 15 00 04.9–.52 21.1S–.10 178.54W–.09 500 3.6b ¶15154891
IDC V 24 15 00 07.3–1.5 21.07S 178.49W 523–16 3.5,3.4
AUST V 24 15 00 08.1–.01 21.12S 178.19W 545–0 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=7.6km az=144.7.
IDC Error ellipse: s-maj=16.0km s-min=10.8km az=142.0.
AUST Error ellipse: s-maj=2.2km s-min=1.8km az=298.0.
IDC V 24 19 52 57.4–29 18.00S 178.00W 0 4.1,3.9
¶16156119

IDC Error ellipse: s-maj=548.4km s-min=140.3km az=85.0.
IDC V 25 03 01 16.1–9.7 21.04S 178.75W 614–97 3.2,3.0
¶16156131

IDC Error ellipse: s-maj=113.2km s-min=49.4km az=137.0.
ISC V 25 03 18 46.4–.58 18.7S–.10 177.66W–.09 600 4.0b 46 4-149
BJI V 25 03 18 47.2 18.70S 177.80W 623 4.7b,4.1b ¶12861950
IDC V 25 03 18 47.2–1.5 18.82S 177.71W 619–20 3.8,3.6
NEIC V 25 03 18 48.3–1.1 18.69S 177.84W 623–14 4.4b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=10.4km az=152.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=12.8km az=138.0.
IDC V 25 08 30 59.6–48 17.41S 177.24W 0 4.2,4.0
¶16156140

IDC Error ellipse: s-maj=883.9km s-min=157.9km az=79.0.
IDC V 25 10 12 40.8–1.7 17.11S 177.45W 0 4.4,4.1
¶16156141

IDC Error ellipse: s-maj=100.6km s-min=24.4km az=148.0.
IDC V 25 11 35 15.1–2.3 16.87S 178.08W 0 4.0,3.7
¶16156145

IDC Error ellipse: s-maj=127.2km s-min=28.0km az=150.0.
ISC V 26 00 49 39.9–.40 21.0S–.10 176.98W–.07 35 5.0s,4.5b 173 6-172
IDC V 26 00 49 36.4–.51 21.16S 175.91W 0 5.0,5.0s ¶15155511

NEIC V 26 00 49 39.5–.31 21.01S 177.02W 35 4.6b,5.0s
ISCJB V 26 00 49 40.0–.33 21.20S–.09 176.20W–.07 33 5.0s,4.5b
GCMT V 26 00 49 42.8–.10 21.26S 175.58W 12 5.5W,4.5b
AUST V 26 00 49 42.3–11 20.94S 175.54W 27–1 5.5W,4.5b
SZGRF V 26 00 49 43.8 20.06S 175.69W 33 5.5W,4.5b
BJI V 26 00 49 49.1 21.10S 176.90W 99 5.2b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=16.8km az=149.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.0km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=8.7km az=157.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 113 sta. Moment Tensor Solution. s95,c167; s99,c208; Moment tensor: Scale 10^{17}Nm; M_{rr}2.38±.02 $M_{\theta\theta}$-0.87±.02; $M_{\phi\phi}$-1.52±.02; $M_{r\theta}$-0.20±.05; $M_{\theta\phi}$0.47±.02; $M_{\phi r}$-0.19±.05; Best double couple: NP1: ϕ_s328.00000°,δ44.00000°,λ83.00000°. NP2:ϕ_s158.00000°,δ46.00000°,λ97.00000°. Principal axes: T 2.4100,Plg85.0000°,Azm141.0000°; N -0.6500,Plg5.0000°,Azm333.0000° ; P -1.7600,Plg1.0000°,Azm243.0000° $M_0$2.10000×10^{17}
AUST Error ellipse: s-maj=3.4km s-min=1.4km az=357.0.
SZGRF Tonga Islands.
IDC V 26 02 26 55.0–2.8 20.65S 178.71W 657–37 3.3,3.1 ¶16156170

IDC Error ellipse: s-maj=41.0km s-min=15.2km az=159.0.
IDC V 26 04 13 46.5–2.4 21.11S 176.05W 0 4.0,3.7 ¶16156172

IDC Error ellipse: s-maj=151.7km s-min=31.0km az=155.0.
IDC V 27 13 49 17.7–3.0 21.55S 176.91W 205–31 3.4,3.3 ¶16156226

IDC Error ellipse: s-maj=28.5km s-min=18.5km az=116.0.
IDC V 28 01 25 57.6–6.8 15.16S 176.70W 0 4.3,4.0 ¶16156245

IDC Error ellipse: s-maj=321.9km s-min=35.3km az=141.0.
IDC V 28 07 22 49.0–6.1 20.95S 178.02W 563–67 3.4,3.3 ¶16156253

IDC Error ellipse: s-maj=45.1km s-min=38.1km az=22.0.
IDC V 29 08 10 45.4–49 19.16S 177.17W 0 4.1,3.9 ¶16156300

IDC Error ellipse: s-maj=913.5km s-min=163.8km az=81.0.
ISC V 29 11 18 16.8–.57 17.9S–.10 178.38W–.10 579 3.8b 38 8-175
IDC V 29 11 18 15.3–1.4 17.87S 178.53W 546–17 3.5,3.3 ¶15155580
AUST V 29 11 18 16.0 17.51S 177.98W 600 3.5,3.3
ISCJB V 29 11 18 16.1–.41 17.9S–.10 178.47W–.08 579 3.7b,3.3
ISC Event type ke.
ISCJB Event type ke.
IDC V 29 15 04 39.6–1.6 18.89S 176.64E 0 4.2,3.9 ¶16160055

IDC Error ellipse: s-maj=110.0km s-min=22.3km az=153.0.
IDC V 29 21 25 39.7–1.7 16.84S 178.25W 0 4.2,4.1 ¶16156331

IDC Error ellipse: s-maj=48.8km s-min=24.3km az=113.0.
IDC V 30 01 30 15.4–6.3 16.91S 176.48W 0 4.2,3.9b ¶16066054

IDC Error ellipse: s-maj=303.7km s-min=43.6km az=144.0.
IDC V 30 02 51 53.4–6.2 21.37S 178.91W 0 4.1,4.0 ¶16066056

IDC Error ellipse: s-maj=161.2km s-min=95.8km az=139.0.
ISC V 30 14 12 34.4–.70 17.9S–.20 178.6W–.10 500 3.8b 23 8-148
AUST V 30 14 12 28.2 18.13S 179.51W 300 3.8b ¶15155609
ISCJB V 30 14 12 33.4–.62 17.9S–.10 178.6W–.10 500 3.7b
IDC V 30 14 12 35.4–1.9 17.88S 178.52W 520–23 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.6km s-min=11.2km az=156.0.
IDC Error ellipse: s-maj=19.2km s-min=14.1km az=153.0.
IDC V 31 05 22 45.3–7.0 17.27S 179.18W 531–79 3.3,3.2 ¶16066105

IDC Error ellipse: s-maj=28.5km s-min=18.2km az=81.0.
IDC VI 01 00 52 14.8–15 20.94S 178.29W 465–84 3.5,3.4 ¶16066138

IDC Error ellipse: s-maj=227.0km s-min=39.9km az=49.0.
IDC VI 01 03 11 03.5–1.7 17.11S 178.11W 0 4.1,3.8 ¶16066143

IDC Error ellipse: s-maj=149.9km s-min=24.2km az=153.0.
IDC VI 01 03 38 09.3–3.7 16.48S 178.58W 0 4.2,4.0 ¶16066144

IDC Error ellipse: s-maj=162.2km s-min=32.7km az=137.0.
IDC VI 01 16 50 38.2–57 18.11S 178.67W 0 4.1,3.9 ¶16066172

IDC Error ellipse: s-maj=1047.0km s-min=162.2km az=79.0.
IDC VI 01 22 27 29.3–1.9 17.18S 178.86W 556–25 3.5,3.3 ¶16066182

IDC Error ellipse: s-maj=33.6km s-min=13.3km az=150.0.
IDC VI 01 22 56 25.1–28 15.96S 176.26W 0 4.3,4.1 ¶16066185

IDC Error ellipse: s-maj=548.2km s-min=147.4km az=84.0.
IDC VI 02 01 50 05.0–31 21.40S 178.72W 0 4.1,4.0 ¶16066188

IDC Error ellipse: s-maj=594.5km s-min=140.1km az=89.0.
IDC VI 02 05 22 34.2–3.8 20.49S 177.75W 533–42 3.7,3.6 ¶16066201

IDC Error ellipse: s-maj=18.3km s-min=16.9km az=153.0.
IDC VI 02 11 21 25.5–5.0 20.33S 176.35W 0 4.0,3.9 ¶16066216

IDC Error ellipse: s-maj=167.8km s-min=97.3km az=161.0.
IDC VI 02 15 36 41.2–2.9 20.84S 178.93W 600–31 3.5,3.4 ¶16066232

IDC Error ellipse: s-maj=26.7km s-min=18.1km az=125.0.
IDC VI 02 19 41 50.7–7.2 21.79S 176.35W 0 4.2,4.0 ¶16066240

IDC Error ellipse: s-maj=207.6km s-min=34.1km az=126.0.
ISC VI 03 06 29 58.4–.42 21.60S–.09 177.88W–.09 412 4.2b 72 5-172
NEIC VI 03 06 29 51.7–1.2 21.73S 177.76W 342–12 4.3b ¶13680337
IDC VI 03 06 29 59.5–4.0 21.45S 177.99W 418–40 3.8,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=10.8km az=145.0.
IDC Error ellipse: s-maj=18.1km s-min=12.6km az=79.0.
ISC VI 03 07 51 50.3–.41 21.23S–.09 179.33W–.08 600 4.1b 81 4-172
ISCJB VI 03 07 51 49.8–.30 21.21S–.08 179.40W–.07 600 4.1b ¶16156332
IDC VI 03 07 51 50.3–1.3 21.21S 179.25W 600–14 3.8,3.7
NEIC VI 03 07 51 51.6–.72 21.29S 179.36W 610–9 4.2b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.1km az=144.5.
IDC Error ellipse: s-maj=14.4km s-min=10.5km az=133.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=9.9km az=129.0.
IDC VI 03 11 34 27.6–2.3 20.63S 178.03W 463–29 3.5,3.4 ¶16100895

IDC Error ellipse: s-maj=28.3km s-min=22.7km az=126.0.
IDC VI 03 15 33 54.3–49 19.63S 178.63W 0 4.0,3.8 ¶16100899

IDC Error ellipse: s-maj=887.4km s-min=148.0km az=81.0.
IDC VI 03 20 21 57.1–3.8 17.03S 179.41W 0 4.3,4.1 ¶16100908

IDC Error ellipse: s-maj=91.8km s-min=37.7km az=33.0.
IDC VI 04 09 57 13.2–61 19.47S 176.66W 0 3.8,3.6 ¶16100934

IDC Error ellipse: s-maj=1136.0km s-min=174.9km az=82.0.
ISC VI 04 17 37 08.2–.60 17.6S–.10 179.1W–.10 539 3.8b 31 8-150
IDC VI 04 17 37 05.2–1.4 17.61S 178.90W 505–16 3.7,3.6 ¶16100955
ISCJB VI 04 17 37 06.9–.50 17.68S–.09 179.0W–.10 539 3.8b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC VI 05 06 44 17.2–14 19.76S 179.26W 569–136 3.2,3.0 ¶16100976

IDC Error ellipse: s-maj=251.5km s-min=57.3km az=143.0.
IDC VI 05 08 46 36.3–8.8 18.07S 177.82W 546–111 3.3,3.1 ¶16100979

IDC Error ellipse: s-maj=43.8km s-min=23.4km az=7.0.
IDC VI 05 10 51 58.0–2.7 19.28S 177.52W 0 3.9,3.6 ¶16100981

IDC Error ellipse: s-maj=281.2km s-min=30.1km az=160.0.
IDC VI 05 11 19 04.8–2.5 17.58S 177.95W 0 4.2,3.8 ¶16100982

IDC Error ellipse: s-maj=227.2km s-min=25.5km az=156.0.
IDC VI 06 16 07 38.9–13 17.34S 178.68W 568–170 3.1,2.9 ¶16101023

IDC Error ellipse: s-maj=143.9km s-min=41.3km az=165.0.
IDC VI 06 16 45 41.6–3.7 21.66S 178.29W 454–38 3.9,3.7 ¶13439952

IDC Error ellipse: s-maj=18.0km s-min=16.8km az=68.0.
IDC VI 07 03 27 49.2–40 20.19S 176.78W 550–418 3.2,3.0 ¶16101047

IDC Error ellipse: s-maj=334.3km s-min=85.6km az=128.0.
IDC VI 07 11 47 01.8–27 16.92S 176.06W 0 4.1,4.0 ¶16101056

IDC Error ellipse: s-maj=535.2km s-min=152.3km az=85.0.
ISC VI 07 12 46 29.6–.23 21.95S–.03 179.49W–.03 587–1 5.2b 1634 5-175
BJI VI 07 12 46 26.8 21.72S 178.97W 572 5.5b,5.2b ¶15155855
MOS VI 07 12 46 27.8–.82 21.87S 179.58W 565 5.1b,5.2b
ISCJB VI 07 12 46 28.7–.41 22.08S–.03 179.58W–.02 582–5 5.2b,5.2b
AUST VI 07 12 46 29.8 22.10S 179.21W 600 5.2b,5.2b
NEIC VI 07 12 46 30.3–.10 22.04S 179.58W 590 5.5W,5.1b
DJA VI 07 12 46 30.9–.90 22S–6.0 180W–6.0 594–12 6.1,5.7b
IDC VI 07 12 46 31.1–.42 21.95S 179.61W 595–4 4.7,4.7
GCMT VI 07 12 46 31.8–.30 22.05S 179.39W 607–2 5.5W,4.7
BGS VI 07 12 46 33.0–6.0 22.04S 179.58W 590 5.1b,4.7
ISC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=7.1km az=61.6.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=151.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.3km az=144.0. Moment Tensor Solution. s11 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.59 $M_{\theta\theta}$0.23 $M_{\phi\phi}$0.36 $M_{r\theta}$-1.41 $M_{\theta\phi}$-0.18 $M_{\phi r}$-1.36 Best double couple: NP1:ϕ_s204.00000°,δ6.00000°,λ-111.00000°. NP2:ϕ_s45.00000° ,δ85.00000°,λ-88.00000°. Principal axes: T 1.7500,Plg39.0000°,Azm133.0000° ; N 0.4800,Plg1.0000°,Azm224.0000°; P -2.2300,Plg50.0000°,Azm317.0000° $M_0$2.00000×10^{17}
IDC Error ellipse: s-maj=7.1km s-min=6.1km az=5.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c87; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.67±.05 $M_{\theta\theta}$-0.48±.08; $M_{\phi\phi}$1.15±.08; $M_{r\theta}$-1.46±.08; $M_{\theta\phi}$-0.09±.07; $M_{\phi r}$-1.81±.08; Best double couple: NP1:ϕ_s145.00000°,δ20.00000°,λ-158.00000°. NP2: ϕ_s35.00000°,δ83.00000°,λ-71.00000°. Principal axes: T 2.4500,Plg35.0000°,Azm109.0000° ; N 0.1600,Plg19.0000°,Azm212.0000°; P -2.6100,Plg49.0000°,Azm325.0000° $M_0$2.50000×10^{17}
BGS Error ellipse: s-maj=327.5km s-min=999.9km az=-1.0.
IDC VI 07 13 25 28.7–10 17.23S 178.65W 468–116 3.2,3.0 ¶16101061

IDC Error ellipse: s-maj=119.4km s-min=33.5km az=156.0.
IDC VI 07 16 51 03.9–50 16.57S 178.30W 0 4.2,4.0 ¶16101068

IDC Error ellipse: s-maj=913.9km s-min=153.9km az=77.0.
IDC VI 07 19 00 21.5–1.6 16.16S 176.58E 0 4.1,3.8 ¶16101072

IDC Error ellipse: s-maj=159.4km s-min=25.2km az=153.0.
IDC VI 08 00 56 17.9–59 17.70S 176.83E 0 4.1,3.9 ¶16101083

IDC Error ellipse: s-maj=1041.0km s-min=143.6km az=77.0.
IDC VI 08 07 52 40.5–19 18.24S 178.24W 506–232 3.6,3.3 ¶16101095

IDC Error ellipse: s-maj=71.1km s-min=50.6km az=113.0.
ISC VI 08 14 49 40.4–.41 20.94S–.05 177.00W–.05 327–3 4.8b 393 6-172
AUST VI 08 14 49 35.8–.02 20.74S 176.80W 288–0 4.8b ¶15853022
ISCJB VI 08 14 49 35.6–.75 20.84S–.05 177.12W–.04 286–8 4.7b
BJI VI 08 14 49 37.4 21.06S 176.26W 342 4.8b,4.6b
DJA VI 08 14 49 38.2–1.2 21S–10 177W–12 291–19 6.4,6.0
IDC VI 08 14 49 39.0–1.4 20.83S 177.19W 307–13 4.4,4.4
NEIC VI 08 14 49 39.8–.22 20.86S 177.14W 318 4.9b,4.4
BGS VI 08 14 49 41.1–6.1 20.86S 177.14W 318 4.9b,4.4
ISC Event type se.
AUST Error ellipse: s-maj=1.2km s-min=1.1km az=268.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.9km az=150.3.
IDC Error ellipse: s-maj=10.7km s-min=8.2km az=125.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.8km az=151.0.
BGS Error ellipse: s-maj=692.3km s-min=999.9km az=-1.0.
IDC VI 09 02 06 18.5–31 21.16S 177.14W 550–315 3.0,2.8 ¶16101125

IDC Error ellipse: s-maj=415.7km s-min=59.7km az=40.0.
ISC VI 09 02 24 52.6–.41 21.52S–.08 179.30W–.07 604 4.4b 147 5-172
ISCJB VI 09 02 24 51.7–.30 21.53S–.09 179.40W–.06 604 4.5b ¶13440007
IDC VI 09 02 24 51.5–1.6 21.40S 179.32W 592–17 4.2,4.0
BJI VI 09 02 24 54.1 21.40S 179.50W 619 4.7b,4.6b
NEIC VI 09 02 24 54.4–.62 21.44S 179.48W 624–7 4.4b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=5.6km az=152.4.
IDC Error ellipse: s-maj=18.7km s-min=11.7km az=155.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.5km az=144.0.
ISC VI 09 17 52 17.2–.57 19.8S–.10 178.19W–.10 569 4.1b 79 8-152
SZGRF VI 09 17 51 12.8 21.48S 178.09W 33 4.1b ¶15155969
ISCJB VI 09 17 52 16.2–.45 19.83S–.09 178.22W–.08 569 4.0b
AUST VI 09 17 52 17.3–12 19.67S 177.83W 596–3 4.0b
IDC VI 09 17 52 21.4–1.9 19.90S 178.32W 617–23 3.7,3.7
ISC Event type ke.
SZGRF Fiji Islands region.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=7.2km az=142.3.
AUST Error ellipse: s-maj=4.5km s-min=2.5km az=244.0.
IDC Error ellipse: s-maj=15.4km s-min=10.7km az=150.0.
IDC VI 10 12 26 58.6–1.9 18.25S 178.12W 548–22 3.5,3.3 ¶16101178

IDC Error ellipse: s-maj=24.0km s-min=13.1km az=144.0.
IDC VI 10 16 54 34.2–2.1 20.26S 177.67W 434–25 3.6,3.4 ¶16101184

IDC Error ellipse: s-maj=21.4km s-min=13.4km az=133.0.
IDC VI 10 20 10 50.5–5.1 19.41S 178.04W 0 3.8,3.5 ¶16101187

IDC Error ellipse: s-maj=309.8km s-min=46.7km az=152.0.
IDC VI 11 06 03 05.0–31 19.99S 179.49W 0 4.2,4.0 ¶16101200

IDC Error ellipse: s-maj=573.3km s-min=140.2km az=86.0.
IDC VI 11 10 06 28.6–11 17.48S 179.03W 517–139 3.0,2.8 ¶16101203

IDC Error ellipse: s-maj=97.9km s-min=34.7km az=162.0.
ISC VI 11 19 38 26.5–1.1 17.7S–.30 178.5W–.20 547 3.7b 29 15-147
ISCJB VI 11 19 38 25.7–.88 17.7S–.20 178.6W–.20 547 4.0b ¶15156033
IDC VI 11 19 38 29.5–5.0 17.75S 178.58W 579–58 3.7,3.5
AUST VI 11 19 38 41.8 17.67S 179.93E 600 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.6km s-min=11.5km az=146.3.
IDC Error ellipse: s-maj=43.8km s-min=24.4km az=145.0.
IDC VI 12 01 35 02.7–26 21.06S 179.14W 579–243 3.4,3.2 ¶16101223

IDC Error ellipse: s-maj=188.5km s-min=103.9km az=82.0.
IDC VI 12 09 19 58.5–3.9 18.60S 176.99W 0 4.0,3.7 ¶16101228

IDC Error ellipse: s-maj=246.5km s-min=29.6km az=153.0.
IDC VI 12 10 57 14.3–8.0 18.08S 178.37W 0 3.6,3.5 ¶16101234

IDC Error ellipse: s-maj=350.4km s-min=38.7km az=143.0.
IDC VI 12 22 17 04.7–62 21.30S 177.46W 0 4.0,3.8

¶16101258
IDC Error ellipse: s-maj=1146.0km s-min=170.7km az=84.0.
IDC VI 13 12 40 49.8–4.7 20.58S 178.33W 533–47 3.5,3.3

¶16101274
IDC Error ellipse: s-maj=53.2km s-min=21.3km az=143.0.
IDC VI 13 23 11 34.8–8.5 20.24S 177.91W 521–90 3.6,3.4

¶16101297
IDC Error ellipse: s-maj=41.2km s-min=19.8km az=71.0.
IDC VI 14 08 36 58.5–5.3 16.97S 177.03W 0 4.6,4.5

¶16101308
IDC Error ellipse: s-maj=186.1km s-min=59.4km az=134.0.
IDC VI 14 12 37 00.6–6.9 18.13S 175.53E 0 4.0,3.9

¶16101318
IDC Error ellipse: s-maj=154.9km s-min=108.8km az=132.0.
IDC VI 15 04 19 48.4–2.1 15.77S 176.77W 361–26 3.7,3.4

¶16101344
IDC Error ellipse: s-maj=87.7km s-min=13.1km az=152.0.
IDC VI 15 05 16 37.6–1.9 17.73S 176.79W 0 4.2,3.9

¶16101346
IDC Error ellipse: s-maj=169.4km s-min=32.4km az=156.0.
IDC VI 15 06 41 56.9–50 17.30S 179.73W 0 4.3,4.1

¶16101348
IDC Error ellipse: s-maj=912.3km s-min=153.0km az=78.0.
IDC VI 15 11 16 00.7–29 17.58S 176.95W 0 4.0,3.8

¶16101357
IDC Error ellipse: s-maj=569.2km s-min=138.9km az=85.0.
IDC VI 15 11 28 00.7–2.4 18.73S 178.00W 419–28 3.5,3.4

¶16101359
IDC Error ellipse: s-maj=36.7km s-min=17.1km az=162.0.
IDC VI 15 19 52 58.7–60 17.05S 178.84W 0 3.8,3.6

¶16101379
IDC Error ellipse: s-maj=1101.0km s-min=172.2km az=78.0.
IDC VI 16 10 55 28.1–7.2 17.62S 178.26W 596–91 3.3,3.2b

¶16101402
IDC Error ellipse: s-maj=98.1km s-min=36.8km az=161.0.
IDC VI 16 12 55 39.2–9.1 18.13S 178.03W 572–108 3.2,2.9

¶16101404
IDC Error ellipse: s-maj=89.1km s-min=35.0km az=147.0.
IDC VI 16 15 13 49.8–1.5 17.70S 178.53W 537–18 3.5,3.3

¶16101408
IDC Error ellipse: s-maj=31.0km s-min=13.2km az=144.0.
IDC VI 17 00 45 10.9–7.0 16.65S 176.19W 0 4.2,3.9b

¶16101421
IDC Error ellipse: s-maj=324.7km s-min=34.9km az=142.0.
IDC VI 17 19 39 58.2–8.3 19.53S 179.14W 616–128 3.1,2.7

¶16101444
IDC Error ellipse: s-maj=262.9km s-min=36.0km az=159.0.
ISC VI 18 01 20 27.4–.49 17.7S–.10 178.91W–.09 539 4.0b 65 8-175
VIE VI 18 01 20 24.1 17.16S 179.24W 480 3.7b ¶13681567
ISCJB VI 18 01 20 26.8–.45 17.71S–.09 178.98W–.09 539 4.0b
IDC VI 18 01 20 26.2–1.5 17.60S 178.96W 516–18 3.8,3.8
ISC Event type ke.
VIE 271 km ENE of Suva .
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=10.1km az=149.8.
IDC Error ellipse: s-maj=17.7km s-min=10.3km az=158.0.
IDC VI 18 11 07 05.4–1.9 18.72S 178.31W 0 6.0L,4.0

¶16101464
IDC Error ellipse: s-maj=50.2km s-min=34.8km az=128.0.
ISC VI 18 13 12 22.7–.65 18.0S–.10 178.4W–.10 579 4.0b 42 8-175
IDC VI 18 13 12 16.7–1.7 17.96S 178.16W 513–19 3.6,3.5 ¶16101469
AUST VI 18 13 12 34.4 17.17S 179.90E 600 3.6,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=11.7km az=142.0.
IDC VI 18 17 29 54.6–5.1 17.74S 176.46W 392–152 3.7,3.6

¶16101478
IDC Error ellipse: s-maj=133.7km s-min=89.2km az=92.0.
IDC VI 19 03 07 52.0–28 19.03S 177.47W 500–253 3.4,3.1

¶16101488
IDC Error ellipse: s-maj=226.1km s-min=96.1km az=121.0.
IDC VI 19 19 12 24.8–9.0 17.93S 178.32W 462–100 3.6,3.4

¶16101509
IDC Error ellipse: s-maj=33.3km s-min=28.5km az=33.0.
IDC VI 20 06 13 17.4–61 21.99S 178.72W 0 4.1,3.9b

¶16101525
IDC Error ellipse: s-maj=1110.0km s-min=160.4km az=85.0.
IDC VI 20 12 26 16.1–1.1 17.87S 178.61W 551–14 3.9,3.7

¶16101534
IDC Error ellipse: s-maj=16.3km s-min=8.1km az=143.0.
IDC VI 21 13 10 51.7–2.9 20.51S 178.91W 630–33 3.4,3.3

¶16101571
IDC Error ellipse: s-maj=33.2km s-min=14.0km az=152.0.
IDC VI 21 14 02 51.6–3.8 20.78S 178.05W 564–44 3.7,3.6
SZGRF VI 21 14 01 55.0 19.95S 178.78W 33 3.7,3.6 ¶13681785
IDC Error ellipse: s-maj=21.7km s-min=18.9km az=169.0.
SZGRF Fiji Islands region.
IDC VI 22 09 12 35.3–2.5 20.44S 177.82W 500–26 3.5,3.4

¶16101603
IDC Error ellipse: s-maj=48.8km s-min=13.9km az=150.0.
IDC VI 22 09 41 22.6–2.2 21.08S 178.78W 513–28 3.6,3.4

¶16101604
IDC Error ellipse: s-maj=25.9km s-min=13.6km az=146.0.
ISC VI 22 16 59 51.0–.33 20.06S–.05 178.98W–.05 668–3 4.9b 559 4-173
SZGRF VI 22 16 58 37.2 21.60S 177.83W 33 4.9b ¶13383544
BJI VI 22 16 59 48.9 19.84S 178.28W 677 5.0b,4.8b
ISCJB VI 22 16 59 49.8–.44 20.06S–.04 179.03W–.04 665–6 4.8b,4.8b
NEIC VI 22 16 59 49.6–.20 19.93S 179.00W 645 4.9b,4.8b
BGS VI 22 16 59 50.5–6.4 19.93S 179.00W 645 4.9b,4.8b
MOS VI 22 16 59 50.0–1.3 19.83S 179.08W 654 5.0b,4.8b
IDC VI 22 16 59 51.4–.89 19.97S 179.03W 666–10 4.2,4.2
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.9km az=144.8.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.4km az=146.0.
BGS Error ellipse: s-maj=298.3km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=10.7km s-min=10.3km az=19.0.
IDC Error ellipse: s-maj=10.8km s-min=8.6km az=153.0.
IDC VI 24 03 33 35.1–6.9 19.98S 177.98W 524–77 3.3,3.1

¶16101677
IDC Error ellipse: s-maj=79.5km s-min=26.1km az=153.0.
IDC VI 24 07 55 45.7–2.1 18.95S 177.90W 0 4.1,3.8

¶16101685
IDC Error ellipse: s-maj=131.8km s-min=27.5km az=155.0.
IDC VI 25 19 36 18.4–24 18.59S 178.12W 477–239 3.0,2.9

¶16101725
IDC Error ellipse: s-maj=148.7km s-min=53.8km az=95.0.
IDC VI 25 19 42 15.3–2.5 18.19S 177.79W 342–26 3.9,3.6

¶16101726
IDC Error ellipse: s-maj=86.5km s-min=14.7km az=152.0.
IDC VI 25 21 45 06.8–11 21.63S 179.58W 514–139 3.6,3.3

¶16101730
IDC Error ellipse: s-maj=121.6km s-min=33.9km az=170.0.
IDC VI 26 05 59 12.8–2.3 17.36S 177.91W 0 3.7,3.5

¶16101737
IDC Error ellipse: s-maj=133.6km s-min=29.1km az=152.0.
IDC VI 26 17 36 20.4–18 21.36S 176.00W 0 3.9,3.8

¶16101758
IDC Error ellipse: s-maj=335.1km s-min=147.4km az=81.0.
IDC VI 26 23 30 29.6–5.2 21.94S 177.43W 312–49 3.9,3.7

¶13682094
IDC Error ellipse: s-maj=23.2km s-min=19.7km az=162.0.
IDC VI 27 07 12 18.0–3.5 18.03S 178.16W 557–35 3.3,3.1

¶16101776
IDC Error ellipse: s-maj=47.8km s-min=16.5km az=141.0.
IDC VI 27 09 19 28.4–2.0 15.63S 176.28W 0 4.1,3.7

¶16101777
IDC Error ellipse: s-maj=124.4km s-min=23.5km az=151.0.
ISC VI 27 16 38 46.2–.39 21.37S–.05 179.18W–.05 625–3 4.5b 498 8-172
SZGRF VI 27 16 38 42.3 21.94S 178.14W 600 4.5b ¶15156294
NEIC VI 27 16 38 43.7–.92 21.14S 179.18W 599–11 4.5b
MOS VI 27 16 38 43.5–1.5 21.15S 179.14W 603 4.6b
ISCJB VI 27 16 38 43.5–.56 21.22S–.04 179.11W–.04 611–7 4.4b
BJI VI 27 16 38 45.1 21.20S 179.10W 637 4.7b,4.6b
AUST VI 27 16 38 45.8–.00 21.15S 178.98W 619–0 4.7b,4.6b
IDC VI 27 16 38 46.9–.57 21.18S 179.18W 624–6 4.0,4.0
ISC Event type se.
SZGRF Fiji Islands region.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.4km az=149.0.
MOS Error ellipse: s-maj=11.2km s-min=9.4km az=51.6.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.9km az=147.7.
AUST Error ellipse: s-maj=1.5km s-min=1.1km az=255.0.
IDC Error ellipse: s-maj=10.2km s-min=9.2km az=124.0.
IDC VI 27 17 45 00.9–4.7 17.54S 178.78W 617–62 3.5,3.2

¶16101791
IDC Error ellipse: s-maj=38.7km s-min=19.7km az=167.0.
IDC VI 27 22 04 05.4–4.7 21.42S 179.47W 0 4.3,4.1

¶16101799
IDC Error ellipse: s-maj=175.0km s-min=56.7km az=141.0.
IDC VI 28 09 06 36.0–2.0 17.82S 178.65W 548–24 3.5,3.4

¶16101818
IDC Error ellipse: s-maj=22.1km s-min=11.6km az=146.0.
IDC VI 28 20 49 20.9–7.7 20.52S 178.39W 542–82 3.3,3.0

¶16101834
IDC Error ellipse: s-maj=63.0km s-min=34.0km az=144.0.
IDC VI 28 21 01 28.7–5.0 18.26S 177.76W 596–58 3.2,3.0

¶16101836
IDC Error ellipse: s-maj=28.6km s-min=21.4km az=157.0.
IDC VI 29 05 55 54.7–11 19.97S 177.95W 474–133 3.5,3.2

¶16101848
IDC Error ellipse: s-maj=40.9km s-min=27.0km az=61.0.
IDC VI 29 13 27 07.6–2.2 20.53S 177.61W 526–28 3.5,3.4

¶16101861
IDC Error ellipse: s-maj=35.2km s-min=18.8km az=124.0.
ISC VI 29 20 13 33.6–.41 14.88S–.07 177.77W–.08 379 4.5b 291 5-178
DJA VI 29 20 12 40.2–1.0 15S–14 175W–16 10 5.8b,5.3 ¶13383600
SZGRF VI 29 20 13 23.0 15.94S 177.34W 300 5.8b,5.3
IDC VI 29 20 13 30.5–1.9 14.92S 177.71W 345–18 4.2,4.2
BJI VI 29 20 13 31.7 14.58S 176.82W 386 4.8b,4.6b
MOS VI 29 20 13 31.2–1.4 14.82S 177.78W 360 4.5b,4.6b
NEIC VI 29 20 13 32.1–.65 14.86S 177.74W 361–6 4.5b,4.6b
ISCJB VI 29 20 13 33.1–.37 14.83S–.07 177.88W–.07 379 4.5b,4.6b
ISC Event type se.
SZGRF Fiji Islands region.
NEIC Event type se.
ISCJB Event type se.
IDC VI 30 03 28 46.2–7.5 17.95S 175.79E 0 3.9,3.6

¶16101884
IDC Error ellipse: s-maj=336.8km s-min=38.3km az=145.0.
IDC VI 30 04 00 17.3–55 20.10S 178.10W 0 4.1,3.9

¶16101886
IDC Error ellipse: s-maj=1013.0km s-min=165.0km az=82.0.
ISC VI 30 10 33 43.7–.46 17.7S–.10 178.66W–.08 547 4.3b 97 3-144
ISCJB VI 30 10 33 43.2–.26 17.61S–.09 178.75W–.06 547 4.2b ¶15156331
NEIC VI 30 10 33 43.9–.53 17.52S 178.71W 542–6 4.3b
AUST VI 30 10 33 43.9–2.1 17.68S 178.48W 556–0 4.3b
IDC VI 30 10 33 43.5–1.2 17.77S 178.59W 546–14 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=4.5km az=151.9.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=5.4km az=153.0.
AUST Error ellipse: s-maj=2.0km s-min=1.3km az=255.0.
IDC Error ellipse: s-maj=16.4km s-min=9.7km az=135.0.
IDC VI 30 15 15 58.0–17 17.13S 179.50W 557–163 3.4,3.2

¶16101900
IDC Error ellipse: s-maj=147.2km s-min=74.9km az=113.0.
IDC VI 30 18 06 27.1–7.5 21.61S 177.22W 285–65 3.2,3.1

¶16101907
IDC Error ellipse: s-maj=44.5km s-min=30.7km az=75.0.
IDC VI 30 23 21 16.2–5.2 18.78S 176.68W 0 3.9,3.7b

¶16101914
IDC Error ellipse: s-maj=127.4km s-min=44.0km az=37.0.
ISC VI 30 23 52 55.1–.26 19.23S–.05 179.22W–.05 650 4.8b 782 3-174
SZGRF VI 30 23 52 49.2 19.77S 179.16W 600 4.8b ¶15156351
AUST VI 30 23 52 54.8–1.2 19.13S 179.12W 636–0 4.8b
ISCJB VI 30 23 52 54.5–.15 19.22S–.04 179.29W–.04 650 4.7b
IDC VI 30 23 52 57.0–.94 19.21S 179.37W 665–11 4.3,4.2
MOS VI 30 23 52 56.3–.90 18.99S 179.41W 664 5.0b,4.2
NEIC VI 30 23 52 57.9–.38 19.19S 179.35W 680–4 4.8b,4.2
ISC Event type se.
SZGRF Fiji Islands region.
AUST Error ellipse: s-maj=1.4km s-min=1.3km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.4km az=41.5.
IDC Error ellipse: s-maj=10.4km s-min=8.1km az=139.0.
MOS Error ellipse: s-maj=11.7km s-min=8.1km az=52.5.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.2km az=134.0.

(182) Fiji Islands.

IDC I 15 20 32 36.4–4.4 17.97S 177.59E 159–39 4.2,3.9

¶12081363
IDC Error ellipse: s-maj=37.0km s-min=21.1km az=142.0.
IDC I 17 01 27 24.5–57 17.21S 179.46E 0 3.8,3.6b

¶12081500
IDC Error ellipse: s-maj=1020.0km s-min=149.1km az=77.0.
IDC I 19 19 39 14.0–61 17.18S 178.64E 0 4.0,3.8b

¶12081793
IDC Error ellipse: s-maj=1091.0km s-min=140.6km az=77.0.
IDC I 22 16 48 54.0–51 17.80S 179.20E 0 4.3,4.1

¶12082068
IDC Error ellipse: s-maj=909.8km s-min=147.8km az=78.0.
ISC II 03 16 15 59.3–.82 16.4S–.10 178.3E–.10 22 4.1s,3.9b 16 1-95
IDC II 03 16 15 56.9–2.1 15.91S 178.02E 0 4.2,4.1 ¶11730064
ISCJB II 03 16 15 57.9–.74 16.3S–.10 178.2E–.10 22 4.1s,3.9b
NEIC II 03 16 16 01.2–.84 16.38S 178.24E 35 4.6b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=102.5km s-min=23.9km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=15.1km az=165.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=17.0km az=114.0.
ISC II 11 13 52 44.6–.33 16.32S–.05 178.21E–.04 22–2 5.5b,5.2s 732 1-175
IDC II 11 13 52 40.1–.52 16.37S 178.39E 0 5.0,5.0s ¶14189410
NEIC II 11 13 52 42.0–.18 16.22S 178.33E 10 5.7W,5.6b
ISCJB II 11 13 52 42.7–.15 16.28S–.04 178.22E–.03 22 5.3b,5.2s
MOS II 11 13 52 44.2–1.3 16.24S 178.26E 33 5.7b,5.2s
BJI II 11 13 52 45.5 15.74S 177.89E 16 5.6b,5.5s
DJA II 11 13 53 05 16.89S 178.34E 210 5.0b,5.5s
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=12.6km az=160.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=147.0. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}0.09 $M_{\theta\theta}$-1.59 $M_{\phi\phi}$1.50 $M_{r\theta}$1.18 $M_{\theta\phi}$2.06 $M_{\phi r}$0.84 Best double couple: NP1:ϕ_s340.00000°,δ62.00000°,λ173.00000°. NP2:ϕ_s73.00000°,δ84.00000°,λ28.00000°. Principal axes: T 3.0900,Plg23.0000°,Azm299.0000°; N -0.2900,Plg61.0000°,Azm83.0000°; P -2.8000,Plg14.0000°,Azm202.0000° $M_0$3.00000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.7km az=158.8.
MOS Error ellipse: s-maj=10.4km s-min=7.7km az=138.3.

IDC II 18 20 44 31.3–3.9 16.05S 177.65E 0 4.0,3.7b
¶15956586
IDC Error ellipse: s-maj=176.4km s-min=34.1km az=138.0.
IDC II 20 14 54 12.2–60 17.19S 178.10E 0 3.9,3.7
¶15956820
IDC Error ellipse: s-maj=1078.0km s-min=145.3km az=76.0.
ISC II 28 21 18 53.9–.40 16.73S–.08 177.20E–.07 35 4.5s,4.4b 353 1-174
IDC II 28 21 18 48.2–.67 16.68S 177.25E 0 4.5,4.5 **¶11938318**
SZGRF II 28 21 18 51.7 17.83S 176.46E 33 4.5,4.5
ISCJB II 28 21 18 52.9–.19 16.72S–.05 177.11E–.04 35 4.4b,4.4s
NEIC II 28 21 18 53.3–.37 16.76S 177.17E 35 4.7b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=14.7km az=139.0.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.2km az=157.2.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.0km az=161.0.
ISC III 06 20 04 52.8–.42 17.73S–.09 178.80E–.08 550 4.2b 149 12-175
SZGRF III 06 20 03 53.7 17.89S 179.97E 33 4.2b **¶15153088**
BGS III 06 20 04 22.9–3.4 17.21S 178.99E 260 4.4b
AUST III 06 20 04 24.9–21 16.86S 179.66E 276–1 4.4b
NEIC III 06 20 04 26.8–1.2 17.22S 178.99E 260–11 4.4b
ISCJB III 06 20 04 52.3–.33 17.73S–.07 178.76E–.07 550 4.2b
IDC III 06 20 04 53.4–1.5 17.68S 178.78E 553–16 3.8,3.8
ISC Event type se.
SZGRF Fiji Islands.
BGS Error ellipse: s-maj=168.2km s-min=999.9km az=-1.0.
AUST Error ellipse: s-maj=2.7km s-min=2.2km az=21.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=15.1km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.8km az=143.4.
IDC Error ellipse: s-maj=14.0km s-min=11.2km az=109.0.
IDC III 09 00 51 03.9–51 16.99S 179.77E 0 4.0,3.8b
¶12702768
IDC Error ellipse: s-maj=926.1km s-min=143.2km az=77.0.
IDC V 09 15 10 40.0–51 17.26S 179.72E 0 4.1,3.9
¶16155548
IDC Error ellipse: s-maj=919.7km s-min=139.6km az=77.0.
IDC V 26 07 58 49.1–65 17.81S 179.14E 0 3.8,3.6
¶16156177
IDC Error ellipse: s-maj=1169.0km s-min=156.0km az=78.0.
IDC V 27 12 14 27.6–59 17.19S 178.02E 0 4.0,3.9
¶16156222
IDC Error ellipse: s-maj=1050.0km s-min=145.8km az=76.0.
IDC V 29 10 24 45.1–1.8 18.58S 177.01E 0 3.8,3.6
¶16551624
IDC Error ellipse: s-maj=156.9km s-min=27.0km az=155.0.
ISC V 31 16 14 30.5–.47 16.25S–.07 178.40E–.08 21–5 4.8b,4.2s 247 2-176
IDC V 31 16 14 27.4–.61 16.14S 178.34E 0 4.6,4.6 **¶12870906**
SZGRF V 31 16 14 28.4 17.95S 178.38E 33 4.3b,4.6
ISCJB V 31 16 14 29.4–.25 16.22S–.06 178.30E–.06 22 4.7b,4.2s
NEIC V 31 16 14 30.8–.16 16.21S 178.28E 22 4.9b,4.2s
MOS V 31 16 14 31.1–1.0 16.21S 178.29E 33 5.0b,4.2s
BJI V 31 16 14 32.0 15.76S 178.09E 22 5.1b,4.8s
GCMT V 31 16 14 33.4–.20 16.19S 178.40E 18–0 5.0W,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=15.8km az=126.0.
SZGRF Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.6km az=144.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.4km az=136.0.
MOS Error ellipse: s-maj=15.6km s-min=9.5km az=61.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s37,c53; s73,c110;
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.45±.21 $M_{\theta\theta}$-0.26±.14; $M_{\phi\phi}$3.71±.14; $M_{r\theta}$-1.60±.31;
$M_{\theta\phi}$2.14±.09; $M_{\phi r}$0.50±.27; Best double couple: NP1:ϕ_S178.00000°,δ50.00000°,λ-128.00000°.
NP2:ϕ_S49.00000°,δ53.00000°,λ-54.00000°. Principal axes: T 4.6500,Plg1.0000°
,Azm114.0000°; N -0.3100,Plg28.0000°,Azm205.0000°; P -4.3400,Plg62.0000°
,Azm21.0000° $M_0$4.50000×10^{16}
ISC VI 15 02 09 46.5–1.2 17.0S–.40 179.2E–.30 600 3.5b 31 13-149
SZGRF VI 15 02 08 38.9 19.04S 179.51E 33 3.5b **¶13681390**
ISCJB VI 15 02 09 45.6–1.1 17.0S–.50 179.2E–.30 600 3.5b
IDC VI 15 02 09 45.1–4.1 17.25S 179.37E 584–48 3.4,3.2
ISC Event type ke.
SZGRF South of Fiji Islands.
ISCJB Event type ke. Error ellipse: s-maj=76.3km s-min=13.6km az=149.8.
IDC Error ellipse: s-maj=77.1km s-min=21.0km az=152.0.
ISC VI 24 13 36 21.3–.48 16.29S–.07 178.53E–.08 35–1 4.6b,4.1s 202 2-176
IDC VI 24 13 36 16.1–.55 16.20S 178.39E 0 4.5,4.5 **¶13232446**
BJI VI 24 13 36 18.0 15.94S 179.32E 30 5.2b,4.8s
MOS VI 24 13 36 20.1–.92 16.25S 178.32E 33 5.0b,4.8s
SZGRF VI 24 13 36 20.5 16.27S 178.40E 19 5.0b,4.8s
ISCJB VI 24 13 36 20.0–.26 16.32S–.06 178.40E–.07 34 4.6b,4.1s
NEIC VI 24 13 36 21.5–.17 16.29S 178.38E 35 4.8b,4.1s
GCMT VI 24 13 36 21.2–.30 16.14S 178.50E 17–1 5.0W,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=14.8km az=117.0.
MOS Error ellipse: s-maj=18.0km s-min=10.8km az=69.5.
SZGRF Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=6.9km az=39.1.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.8km az=126.0.
GCMT Event type se. Data Used: II IU IC G II. Moment Tensor Solution. s17,c25; s60,c87;
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.54±.22 $M_{\theta\theta}$0.18±.14; $M_{\phi\phi}$2.36±.14; $M_{r\theta}$-1.30±.36;
$M_{\theta\phi}$1.92±.09; $M_{\phi r}$-0.57±.30; Best double couple: NP1:ϕ_S189.00000°,δ39.00000°,λ-124.00000°.
NP2:ϕ_S49.00000°,δ59.00000°,λ-66.00000°. Principal axes: T 3.7000,Plg11.0000°
,Azm122.0000°; N -0.6200,Plg20.0000°,Azm216.0000°; P -3.0700,Plg67.0000°,Azm6.0000°
$M_0$3.40000×10^{16}
IDC VI 29 18 40 49.4–60 17.08S 178.62E 0 3.9,3.7
¶16101870
IDC Error ellipse: s-maj=1076.0km s-min=150.4km az=77.0.

SEISMIC REGION 14.
Vanuatu (New Hebrides).

(183) Santa Cruz Islands region.

IDC I 16 00 07 15.9–1.2 10.64S 164.23E 0 4.1,4.1s
¶12081392
IDC Error ellipse: s-maj=39.8km s-min=21.6km az=137.0.
IDC III 02 20 15 42.8–7.5 11.06S 164.56E 64–57 5.0L,3.6
¶12702296
IDC Error ellipse: s-maj=52.0km s-min=29.9km az=122.0.
ISC III 09 05 55 24.8–1.0 10.74S–.08 164.8E–.20 46 4.1b 21 11-93
AUST III 09 05 54 51.7 7.97S 167.03E 0 4.1b **¶12702777**
IDC III 09 05 55 18.8–1.5 10.57S 164.66E 0 4.9L,4.3
ISCJB III 09 05 55 23.6–.88 10.74S–.07 164.7E–.10 46 4.1b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC III 29 14 54 15.5–1.6 11.62S 164.89E 0 4.0,3.8b
¶12635869
IDC Error ellipse: s-maj=45.4km s-min=26.4km az=123.0.
IDC IV 08 10 20 56.5–.81 10.88S 164.90E 0 4.2,4.1
¶12759384
IDC Error ellipse: s-maj=26.2km s-min=17.0km az=115.0.
ISC IV 25 00 04 48.5–.39 10.99S–.05 164.32E–.07 29 4.6b,4.0s 123 5-150
AUST IV 25 00 03 47.0–45 7.42S 170.57E 32–1 4.6b,4.0s **¶15153942**
IDC IV 25 00 04 43.1–.57 10.85S 164.28E 0 4.7L,4.5
ISCJB IV 25 00 04 46.3–.33 10.95S–.05 164.32E–.06 29 4.6b,4.0s
NEIC IV 25 00 04 46.6–.96 10.84S 164.31E 21–6 4.8b,4.0s
BJI IV 25 00 04 48.4 10.79S 164.17E 28 5.0b,4.9s
ISC Event type se.
AUST Error ellipse: s-maj=3.3km s-min=1.3km az=344.0.
IDC Error ellipse: s-maj=21.6km s-min=14.5km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.7km az=21.8.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.2km az=126.0.
IDC V 26 21 53 37.4–2.0 11.00S 164.91E 0 4.6L,3.8
¶16156194
IDC Error ellipse: s-maj=54.0km s-min=31.8km az=153.0.
IDC V 27 18 13 43.5–60 12.84S 168.11E 0 4.1,3.9b
¶16156232
IDC Error ellipse: s-maj=1028.0km s-min=113.8km az=62.0.
IDC V 28 22 14 31.2–54 12.88S 171.66E 0 4.4,4.2
¶16156287
IDC Error ellipse: s-maj=942.3km s-min=119.5km az=66.0.
IDC VI 11 21 42 18.8–5.6 12.40S 170.20E 0 4.0,3.7b
¶16101217
IDC Error ellipse: s-maj=271.9km s-min=34.2km az=140.0.
IDC VI 14 16 57 40.1–2.0 12.85S 168.45E 399–21 3.5,3.5
¶16101328
IDC Error ellipse: s-maj=15.3km s-min=13.8km az=90.0.
IDC VI 23 01 31 55.8–1.5 10.78S 164.07E 0 4.1,4.1L
¶16101632
IDC Error ellipse: s-maj=43.4km s-min=24.0km az=119.0.

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ISC I 01 05 38 44.0–.60 11.66S–.09 166.8E–.10 250 4.1b 57 7-165
ISCJB I 01 05 38 42.7–.57 11.62S–.08 166.79E–.10 250 4.1b **¶12079738**
IDC I 01 05 38 44.1–3.9 11.66S 166.74E 248–33 3.9,3.9
NEIC I 01 05 38 44.5–1.2 11.66S 166.75E 255–10 4.7b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=9.3km az=34.6.
IDC Error ellipse: s-maj=29.7km s-min=15.2km az=122.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.2km az=116.0.
ISC I 02 17 44 36.1–.89 10.70S–.08 165.05E–.09 50–7 4.1b,3.3s 44 5-150
IDC I 02 17 44 35.2–.88 10.88S 165.12E 49–6 3.8,3.7 **¶11625146**
NEIC I 02 17 44 36.1–.98 10.79S 165.09E 54–8 4.5b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=16.6km az=170.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=14.1km az=143.0.
ISC I 02 20 37 17.8–.27 11.46S–.04 166.41E–.04 101–1 5.2b 825 7-170
MOS I 02 20 37 11.9–.99 11.32S 166.29E 53 5.5b **¶11526816**
DJA I 02 20 37 14 11.61S 166.61E 48 5.4b
IDC I 02 20 37 15.3–2.1 11.40S 166.42E 75–17 4.8,4.8
ISCJB I 02 20 37 15.2–1.0 11.41S–.03 166.24E–.03 84–9 5.2b,4.8
NEIC I 02 20 37 17.6–.12 11.41S 166.34E 97 5.2b,4.8
BJI I 02 20 37 19.7 10.65S 166.24E 97 5.3b,5.3b
ISC Event type se.
MOS Error ellipse: s-maj=8.4km s-min=7.0km az=94.1.
IDC Error ellipse: s-maj=14.6km s-min=12.3km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.6km az=8.5.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.8km az=136.0.
ISC I 03 16 49 25.3–.22 12.47S–.04 166.77E–.03 110–1 5.5b 1306 7-176
NOU I 03 16 49 23.7–1.4 12.21S 166.82E 30–999 4.4,4.1L **¶13404575**
MOS I 03 16 49 24.8–1.1 12.35S 166.66E 105 5.6b,4.1L
ISCJB I 03 16 49 24.9–.82 12.44S–.03 166.65E–.02 109–7 5.5b,4.1L
IDC I 03 16 49 24.4–.47 12.51S 166.75E 97–3 5.3,5.3
BJI I 03 16 49 25.5 12.00S 166.84E 108 5.7b,5.4b
NEIC I 03 16 49 25.5–.13 12.43S 166.74E 109 5.4b,5.4b
TEH I 03 16 49 27.0 12.46S 166.65E 116 5.7L,5.4b
DJA I 03 16 49 29 12.48S 166.70E 130 5.5b,5.4b
ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=6.8km az=119.1.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.0km az=9.4.
IDC Error ellipse: s-maj=9.5km s-min=8.3km az=173.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=140.0.
IDC I 04 10 30 11.8–3.1 12.42S 166.84E 0 4.1b,4.1
¶12080178
IDC Error ellipse: s-maj=122.1km s-min=78.9km az=179.0.
IDC I 06 11 37 52.8–3.8 11.67S 165.44E 0 3.8,3.7
¶12080502
IDC Error ellipse: s-maj=130.4km s-min=31.2km az=133.0.
ISC I 06 20 44 20.5–3.0 11.65S–.10 166.2E–.10 47–26 4.2b,3.6s 52 10-151
IDC I 06 20 44 14.2–.79 11.42S 166.15E 0 4.3,4.3L **¶12080549**
ISCJB I 06 20 44 19.6–4.2 11.7S–.10 166.2E–.10 55–37 4.3b,3.8s
NEIC I 06 20 44 21.6–3.0 11.59S 166.15E 56–27 4.3b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=19.0km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=16.8km az=148.8.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=16.1km az=131.0.
IDC I 08 11 23 31.0–4.8 11.99S 167.08E 0 3.9,3.5b
¶12080730
IDC Error ellipse: s-maj=239.1km s-min=31.6km az=140.0.
IDC I 08 12 14 45.5–4.4 12.57S 166.82E 259–43 3.7,3.6
¶12080737
IDC Error ellipse: s-maj=24.1km s-min=16.9km az=18.0.
ISC I 13 18 39 38.8–.43 12.38S–.08 167.0E–.10 220 4.3b 95 20-166
ISCJB I 13 18 39 37.4–.38 12.39S–.07 166.93E–.09 220 4.1b **¶12081206**
IDC I 13 18 39 38.8–5.0 12.42S 167.04E 218–46 4.0,4.0
NEIC I 13 18 39 39.1–2.8 12.35S 166.94E 222–26 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=8.5km az=25.8.
IDC Error ellipse: s-maj=19.7km s-min=15.9km az=90.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.9km az=88.0.
ISC I 16 14 28 42.4–1.2 12.06S–.07 166.41E–.10 79–8 4.9b 119 7-170
NOU I 16 14 28 31.4–1.4 11.42S 165.25E 30 4.5,3.7L **¶11596046**
IDC I 16 14 28 37.5–3.6 12.00S 166.68E 41–29 4.6,4.4b
ISCJB I 16 14 28 38.5–1.7 12.10S–.05 166.46E–.09 56–14 4.8b,3.9s
NEIC I 16 14 28 41.6–1.7 11.99S 166.47E 74–14 4.8b,3.9s
BJI I 16 14 28 46.4 12.09S 165.59E 90 5.0b,4.7b
ISC Event type ke.
NOU Error ellipse: s-maj=27.7km s-min=309.5km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=18.3km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=8.0km az=160.7.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.8km az=76.0.
IDC I 18 02 16 16.6–8.1 10.79S 166.17E 192–82 3.5,3.4
¶12081592
IDC Error ellipse: s-maj=53.9km s-min=22.1km az=161.0.
ISC I 20 11 03 03.4–.37 10.77S–.04 166.15E–.05 201–2 4.7b 488 6-165
MOS I 20 11 02 55.6–.72 10.56S 166.02E 136 4.9b **¶13433885**
IDC I 20 11 02 59.1–1.2 10.72S 166.32E 164–9 4.5,4.5
BJI I 20 11 03 01.0 10.47S 166.68E 199 5.1b,4.6b
ISCJB I 20 11 03 03.6–.90 10.67S–.04 166.04E–.03 207–8 4.6b,4.6b
NEIC I 20 11 03 03.5–.15 10.67S 166.10E 199 4.8b,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=13.2km s-min=10.1km az=58.6.
IDC Error ellipse: s-maj=13.9km s-min=10.8km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.1km az=3.5.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.3km az=141.0.
ISC I 21 02 06 40.9–.83 11.6S–.10 165.3E–.20 24 4.0b 19 10-94
IDC I 21 02 06 37.3–1.2 11.54S 165.22E 0 4.2,4.0b **¶12081922**
ISCJB I 21 02 06 39.2–.78 11.7S–.10 165.2E–.20 24 3.9b,4.0b
NEIC I 21 02 06 42.4–.63 11.63S 165.25E 35 4.2b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=22.8km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=15.4km az=9.1.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=12.7km az=100.0.
IDC I 21 03 09 12.5–13 11.71S 166.95E 145–122 3.7,3.5b
¶12081931
IDC Error ellipse: s-maj=71.4km s-min=35.3km az=125.0.
IDC I 21 06 50 24.4–6.8 11.57S 167.04E 123–61 3.8,3.7
¶12081955
IDC Error ellipse: s-maj=44.6km s-min=41.1km az=137.0.
IDC I 26 01 05 50.0–2.5 12.26S 167.03E 0 3.9,3.8b
¶12082336
IDC Error ellipse: s-maj=108.5km s-min=27.7km az=133.0.
IDC I 27 04 48 30.9–1.5 12.61S 167.65E 539–15 3.6,3.5

¶12082444
IDC Error ellipse: s-maj=22.5km s-min=12.1km az=129.0.
IDC I 27 07 52 41.6–1.7 10.95S 165.68E 0 4.2,4.0

¶12082455
IDC Error ellipse: s-maj=47.4km s-min=28.3km az=118.0.
IDC I 29 16 01 20.3–1.1 11.60S 165.19E 0 4.3L,4.0

¶12082675
IDC Error ellipse: s-maj=34.1km s-min=25.3km az=144.0.
IDC II 03 10 59 44.0–3.7 11.59S 165.53E 0 3.8,3.7b

¶15954955
IDC Error ellipse: s-maj=155.7km s-min=31.6km az=137.0.
IDC II 04 00 37 32.6–1.3 10.79S 165.25E 0 4.3,4.1L

¶15954998
IDC Error ellipse: s-maj=50.0km s-min=25.6km az=138.0.
IDC II 05 21 30 04.0–4.4 11.76S 166.96E 0 3.9,3.8b

¶15955084
IDC Error ellipse: s-maj=197.1km s-min=36.8km az=137.0.
IDC II 08 08 14 20.8–8.7 11.95S 166.41E 0 3.8,3.7b

¶15955211
IDC Error ellipse: s-maj=263.2km s-min=55.3km az=125.0.

ISC	**II**	**08 10 22 26.4–.92**	**11.84S–.09**	**166.5E–.10**	**47–6**	**4.2b,3.6s**	**45**	**7-165**	
ISCJB	II	08 10 22 26.0–2.5	11.86S–.09	166.4E–.10	56–20	4.2b,3.6s			¶11730080
IDC	II	08 10 22 26.6–1.2	11.85S	166.41E	47–8	4.1,4.0			
NEIC	II	08 10 22 28.5–1.6	11.85S	166.38E	65–13	4.4b,4.0			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=14.6km az=173.2.
IDC Error ellipse: s-maj=30.4km s-min=18.7km az=120.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.9km az=84.0.
IDC II 08 18 20 19.0–5.3 12.40S 166.75E 0 3.7,3.4

¶15955227
IDC Error ellipse: s-maj=267.3km s-min=32.8km az=140.0.
IDC II 09 22 16 59.9–21 12.74S 167.12E 140–185 3.5,3.3

¶15955315
IDC Error ellipse: s-maj=146.5km s-min=56.7km az=138.0.
IDC II 10 00 30 16.4–1.8 12.13S 165.65E 0 3.9,3.7

¶15955342
IDC Error ellipse: s-maj=46.3km s-min=30.2km az=105.0.

ISC	**II**	**14 05 01 05.0–.90**	**11.34S–.09**	**166.3E–.20**	**155**	**3.6b**	**17**	**11-95**	
IDC	II	14 05 00 47.1–2.6	10.99S	166.29E	0	4.1,3.9			¶12700627
NEIC	II	14 05 00 54.2–.86	10.60S	165.95E	35	4.4b,3.9			
ISCJB	II	14 05 01 03.9–.86	11.33S–.07	166.2E–.20	155	3.6b,3.9			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 14 18 42 04.3–1.6 12.67S 166.00E 38–6 4.8L,4.0

¶11754788
IDC Error ellipse: s-maj=42.9km s-min=21.1km az=122.0.
IDC II 14 19 50 58.4–1.7 12.55S 166.21E 0 4.7L,4.0

¶15956083
IDC Error ellipse: s-maj=47.5km s-min=25.0km az=126.0.

ISC	**II**	**19 18 45 36.4–1.1**	**12.0S–.10**	**166.0E–.20**	**30**	**3.9b,3.5s**	**10**	**10-94**	
IDC	II	19 18 45 32.3–1.6	11.88S	165.88E	0	4.1,4.0s			¶11789795
ISCJB	II	19 18 45 34.6–1.0	12.1S–.10	165.9E–.20	30	3.9s,3.9b			

ISC Event type ke.
ISCJB Event type ke.

ISC	**II**	**21 13 57 51.6–.65**	**12.34S–.07**	**166.3E–.10**	**10**	**4.5b,3.7s**	**59**	**7-165**	
ISCJB	II	21 13 57 50.1–.62	12.31S–.06	166.3E–.10	10	4.4b,3.6s			¶12701432
IDC	II	21 13 57 50.4–.90	12.28S	166.28E	0	4.3,4.3b			
NEIC	II	21 13 57 51.4–.49	12.36S	166.33E	10	4.7b,4.3b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.3km az=1.8.
IDC Error ellipse: s-maj=27.2km s-min=17.0km az=119.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.4km az=97.0.
IDC II 21 21 42 40.3–11 12.43S 167.14E 174–100 3.8,3.6

¶15956900
IDC Error ellipse: s-maj=79.5km s-min=36.2km az=133.0.
IDC II 26 06 12 58.4–31 12.47S 166.52E 221–258 3.1,2.9

¶15957339
IDC Error ellipse: s-maj=292.8km s-min=66.9km az=133.0.
IDC II 26 07 14 19.9–19 12.27S 167.09E 170–179 3.9,3.7

¶15957343
IDC Error ellipse: s-maj=76.6km s-min=51.2km az=127.0.

ISC	**II**	**27 02 57 38.6–.40**	**11.80S–.05**	**166.43E–.06**	**43–2**	**4.9b,4.0s**	**234**	**7-170**	
MOS	II	27 02 57 36.3–1.1	11.86S	166.37E	33	4.9b,4.0s			¶11730370
ISCJB	II	27 02 57 37.5–1.8	11.84S–.05	166.35E–.05	42–15	4.9b,4.1s			
IDC	II	27 02 57 38.1–.50	11.88S	166.45E	36–3	4.5,4.5			
BJI	II	27 02 57 42.0	11.33S	166.51E	70	5.1s,5.1b			
NEIC	II	27 02 57 42.8–1.0	11.88S	166.31E	76–9	5.1b,5.1b			
DJA	II	27 02 57 59.0–6.8	12S–14	166E–34	175–52	4.9,4.9b			

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

ISC	**II**	**28 10 17 26.6–.72**	**11.71S–.08**	**166.3E–.10**	**59**	**3.7b,3.3s**	**30**	**7-117**	
IDC	II	28 10 17 18.3–1.4	11.72S	166.37E	0	4.2,4.0			¶12702091
ISCJB	II	28 10 17 24.8–.70	11.76S–.07	166.24E–.09	59	4.0b,3.7s			
NEIC	II	28 10 17 26.5–2.0	11.66S	166.18E	56–16	4.6b,3.7s			

ISC Event type se.
IDC Error ellipse: s-maj=58.2km s-min=23.6km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.0km az=152.2.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=14.6km az=66.0.
IDC III 05 21 32 23.5–9.7 12.20S 166.94E 218–101 3.6,3.3b

¶12702521
IDC Error ellipse: s-maj=99.3km s-min=26.4km az=159.0.

ISC	**III**	**07 08 11 07.9–.43**	**12.23S–.07**	**167.15E–.09**	**317**	**4.5b**	**206**	**10-166**	
IDC	III	07 08 11 02.8–2.4	12.08S	167.15E	265–21	4.0,4.0			¶11788760
NEIC	III	07 08 11 06.3–1.1	12.09S	167.06E	299–11	4.6b,4.0			
BJI	III	07 08 11 06.8	11.91S	166.70E	293	5.1b,4.7b			
ISCJB	III	07 08 11 07.0–.22	12.15S–.06	167.02E–.05	317	4.4b,4.7b			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 08 04 34 01.7–4.8 10.69S 165.02E 0 3.7,3.4b

¶12702680
IDC Error ellipse: s-maj=246.2km s-min=34.4km az=138.0.
IDC III 08 16 22 26.0–1.5 12.62S 166.12E 0 3.9L,3.8

¶12702735
IDC Error ellipse: s-maj=32.9km s-min=29.6km az=121.0.

ISC	**III**	**11 00 31 30.5–.38**	**12.03S–.04**	**166.14E–.05**	**62–2**	**4.8b**	**256**	**7-165**	
IDC	III	11 00 31 21.4–.53	11.98S	166.36E	0	4.6,4.5b			¶15153162
ISCJB	III	11 00 31 26.7–1.2	11.96S–.05	166.15E–.05	41–10	4.9b,4.5s			
MOS	III	11 00 31 26.2–1.1	11.89S	166.07E	33	5.1b,4.5s			
NEIC	III	11 00 31 29.0–1.1	11.96S	166.20E	50–9	5.0b,4.5s			
BJI	III	11 00 31 29.0	11.51S	166.40E	53	5.2b,5.1b			
GCMT	III	11 00 31 30.3–.20	11.97S	165.95E	26–0	5.2W,5.1b			
AUST	III	11 00 31 35.0	11.45S	165.97E	100	5.2W,5.1b			
DJA	III	11 00 31 39.8–5.3	14S–16	165E–20	23–34	5.1b,4.9			

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s80,c114; s79,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}6.38±.19 $M_{\theta\theta}$-0.49±.14; $M_{\phi\phi}$-5.89±.14; $M_{r\theta}$2.42±.33; $M_{\theta\phi}$2.43±.11; $M_{\phi r}$-3.67±.27; Best double couple: NP1:ϕ_s347.00000°,δ29.00000°,λ103.00000°. NP2:ϕ_s152.00000°,δ62.00000°,λ83.00000°. Principal axes: T 7.7700,Plg72.0000° ,Azm45.0000°; N 0.3400,Plg6.0000°,Azm155.0000°; P -8.1000,Plg17.0000°,Azm247.0000° $M_0$7.90000×10^{16}

ISC	**III**	**11 06 28 11.3–.71**	**12.03S–.08**	**166.11E–.09**	**30**	**4.5b,3.8s**	**37**	**7-165**	
IDC	III	11 06 28 06.7–1.2	11.97S	166.19E	0	4.5L,4.4			¶12085975
ISCJB	III	11 06 28 09.2–.58	12.10S–.07	166.18E–.09	30	4.4b,3.9s			
NEIC	III	11 06 28 12.1–1.3	12.01S	166.20E	38–12	4.7b,3.9s			

ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=21.5km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=10.2km az=174.1.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=10.1km az=184.0.

ISC	**III**	**11 07 30 12.8–.70**	**11.98S–.10**	**166.1E–.20**	**30**	**4.2b,3.5s**	**33**	**10-151**	
IDC	III	11 07 30 07.9–.83	12.07S	166.07E	0	4.1,4.0			¶12702956
ISCJB	III	11 07 30 11.1–.65	12.07S–.09	166.0E–.20	30	4.1b,3.6s			
NEIC	III	11 07 30 14.3–2.9	12.02S	166.06E	43–26	4.5b,3.6s			

ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=21.9km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=23.8km s-min=12.4km az=177.7.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=18.2km az=103.0.
IDC III 13 10 14 50.8–1.5 10.97S 166.22E 0 3.9,3.6b

¶12703156
IDC Error ellipse: s-maj=48.1km s-min=32.2km az=150.0.
IDC III 13 15 19 14.1–11 11.99S 166.81E 0 3.6b,3.6

¶12703178
IDC Error ellipse: s-maj=346.2km s-min=53.5km az=127.0.
IDC III 14 06 15 42.0–4.5 12.98S 167.08E 195–33 3.7,3.5b

¶12703231
IDC Error ellipse: s-maj=88.5km s-min=21.7km az=137.0.
IDC III 15 08 36 28.3–3.2 12.21S 166.41E 86–26 4.1,4.0

¶12703338
IDC Error ellipse: s-maj=25.3km s-min=16.5km az=66.0.
IDC III 16 05 03 04.6–12 12.28S 165.69E 0 3.8,3.7

¶12703398
IDC Error ellipse: s-maj=405.7km s-min=53.6km az=126.0.

ISC	**III**	**16 23 59 20.5–.67**	**12.15S–.09**	**166.2E–.10**	**30**	**4.1b,3.5s**	**37**	**7-165**	
ISCJB	III	16 23 59 18.7–.66	12.21S–.08	166.1E–.10	30	4.0b,3.4s			¶12703468
NEIC	III	16 23 59 24.0–1.2	12.22S	166.05E	63–10	4.0b,3.4s			
IDC	III	16 23 59 25.2–5.2	12.29S	166.05E	73–48	3.9,3.8b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=11.4km az=0.7.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.7km az=71.0.
IDC Error ellipse: s-maj=29.2km s-min=27.6km az=92.0.
IDC III 19 09 00 27.9–1.1 12.85S 167.65E 0 4.1,4.0

¶12703664
IDC Error ellipse: s-maj=36.0km s-min=19.6km az=137.0.
IDC III 20 00 55 57.1–3.2 12.86S 166.04E 94–27 3.7,3.7

¶12703760
IDC Error ellipse: s-maj=31.7km s-min=18.1km az=63.0.
IDC III 22 14 55 04.0–2.6 11.58S 166.73E 0 4.8L,4.1

¶12635297
IDC Error ellipse: s-maj=65.8km s-min=31.2km az=118.0.

ISC	**III**	**23 12 40 35.4–.86**	**13.00S–.09**	**166.9E–.20**	**100**	**4.0b**	**20**	**8-152**	
AUST	III	23 12 40 01.6	14.00S	170.51E	0	4.0b			¶12635389
ISCJB	III	23 12 40 34.0–.76	13.01S–.06	166.9E–.10	100	4.0b			
IDC	III	23 12 40 35.3–12	12.99S	166.81E	97–105	4.0,3.9			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.7km s-min=8.9km az=6.0.
IDC Error ellipse: s-maj=40.9km s-min=24.0km az=84.0.

ISC	**III**	**25 03 13 07.5–.44**	**12.01S–.06**	**166.10E–.07**	**30**	**4.6b,4.1s**	**82**	**7-165**	
ISCJB	III	25 03 13 06.0–.42	11.98S–.06	166.03E–.06	30	4.5b,4.1s			¶12635512
NEIC	III	25 03 13 09.2–2.2	11.97S	166.17E	48–18	4.7b,4.1s			
IDC	III	25 03 13 09.3–3.2	11.98S	166.08E	42–26	4.3L,4.2			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.7km az=42.6.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.9km az=91.0.
IDC Error ellipse: s-maj=21.3km s-min=13.7km az=73.0.
IDC III 25 03 21 52.8–4.4 12.08S 165.97E 53–34 4.2L,3.9

¶12635513
IDC Error ellipse: s-maj=40.5km s-min=19.3km az=57.0.
IDC III 25 10 11 55.9–9.2 11.67S 165.59E 0 3.9,3.9b

¶12635542
IDC Error ellipse: s-maj=272.5km s-min=39.8km az=123.0.
IDC III 28 06 20 34.1–19 11.87S 167.03E 140–176 3.6,3.4

¶12635750
IDC Error ellipse: s-maj=147.8km s-min=51.4km az=142.0.
IDC III 28 12 25 20.5–4.0 11.82S 166.50E 138–35 3.9,3.8

¶12635772
IDC Error ellipse: s-maj=24.1km s-min=17.8km az=83.0.
IDC IV 06 09 20 18.7–4.3 12.84S 166.92E 252–45 3.7,3.5

¶16152448
IDC Error ellipse: s-maj=31.8km s-min=19.1km az=148.0.
IDC IV 08 01 16 10.8–12 12.59S 167.10E 226–107 3.6,3.5

¶16152522
IDC Error ellipse: s-maj=56.7km s-min=33.3km az=95.0.
IDC IV 08 06 24 57.2–9.7 10.58S 165.97E 155–99 3.7,3.5

¶16152538
IDC Error ellipse: s-maj=67.2km s-min=22.7km az=157.0.
IDC IV 11 14 46 21.5–3.1 12.61S 166.97E 205–27 3.9,3.9

¶16152668
IDC Error ellipse: s-maj=17.5km s-min=11.7km az=102.0.
IDC IV 11 18 22 15.1–1.7 11.99S 166.24E 0 4.0,3.8

¶16152675
IDC Error ellipse: s-maj=48.5km s-min=27.2km az=117.0.
IDC IV 12 00 26 57.4–8.8 11.88S 166.33E 0 3.7,3.6b

¶16152684
IDC Error ellipse: s-maj=266.9km s-min=54.8km az=125.0.
IDC IV 16 21 38 14.6–3.6 11.51S 166.27E 0 4.2,4.0b

¶16152860
IDC Error ellipse: s-maj=193.5km s-min=25.2km az=142.0.
IDC IV 17 00 29 58.9–5.5 12.17S 167.08E 230–51 3.8,3.7

¶16152870
IDC Error ellipse: s-maj=21.4km s-min=17.7km az=69.0.

ISC	**IV**	**20 17 18 36.1–.80**	**11.16S–.09**	**166.34E–.08**	**146**	**4.3b**	**47**	**7-117**	
ISCJB	IV	20 17 18 34.9–1.0	11.14S–.08	166.3E–.10	146	4.3b			¶15153853
NEIC	IV	20 17 18 35.0–1.6	11.03S	166.33E	135–12	4.7b			
IDC	IV	20 17 18 35.4–3.4	11.12S	166.38E	140–26	4.0,4.0b			
AUST	IV	20 17 18 45.8	11.45S	165.97E	200	4.0,4.0b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=9.7km az=157.4.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.7km az=72.0.
IDC Error ellipse: s-maj=25.0km s-min=20.0km az=97.0.

ISC	**IV**	**21 21 10 03.8–.27**	**10.93S–.03**	**166.01E–.03**	**73–1**	**5.2b**	**1046**	**6-164**	
MOS	IV	21 21 09 58.3–1.1	10.81S	166.01E	33	5.5b,5.1s			¶15153883
NEIC	IV	21 21 09 59.4–.12	10.80S	166.03E	35	5.7W,5.7W			
ISCJB	IV	21 21 10 02.4–.09	10.93S–.02	165.89E–.02	70	5.2b,5.7W			
BJI	IV	21 21 10 02.5	10.62S	166.04E	70	5.6b,5.3s			
GCMT	IV	21 21 10 03.9–.10	10.94S	165.74E	46–0	5.6W,5.3s			
AUST	IV	21 21 10 03.2–.46	10.88S	165.96E	58–0	5.6W,5.3s			
IDC	IV	21 21 10 03.5–1.9	10.92S	165.98E	66–16	5.1,5.1			
DJA	IV	21 21 10 05.4–1.0	11S–4.0	166E–5.0	83–11	5.7b,5.3b			

ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}3.96 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-3.80 $M_{r\theta}$0.00 $M_{\theta\phi}$0.83 $M_{\phi r}$0.21 Best double couple: NP1:ϕ_s348.00000° ,δ46.00000°,λ91.00000°. NP2:ϕ_s167.00000°,δ44.00000°,λ89.00000°. Principal axes: T 3.9700,Plg88.0000°,Azm278.0000°; N 0.0300,Plg0.0000°,Azm167.0000° ; P -3.9900,Plg1.0000°,Azm77.0000° $M_0$4.00000×10^{17}
ISCJB Event type se.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 95, comp=184, per= 50. Moment Tensor Solution. s102,c188; s40,c43; Moment tensor: Scale 10^{17}Nm; M_{rr}3.27±.04 $M_{\theta\theta}$-0.59±.03; $M_{\phi\phi}$-2.69±.03; $M_{r\theta}$-0.49±.03; $M_{\theta\phi}$1.49±.03; $M_{\phi r}$0.13±.03; Best double couple: NP1:ϕ_s159.00000°,δ43.00000°,λ100.00000°. NP2:ϕ_s326.00000°,δ48.00000°,λ81.00000°. Principal axes: T 3.3300,Plg83.0000°,Azm175.0000°; N 0.1400,Plg7.0000°,Azm332.0000° ; P -3.4800,Plg3.0000°,Azm62.0000° $M_0$3.40000×10^{17}
IDC IV 22 05 47 45.5–1.8 12.80S 167.83E 0 3.9,3.7

¶16153257
IDC Error ellipse: s-maj=58.9km s-min=28.8km az=127.0.
IDC IV 22 12 22 54.8–1.4 12.93S 167.74E 0 3.9,3.9L

¶16153265
IDC Error ellipse: s-maj=54.1km s-min=24.1km az=128.0.
IDC IV 22 22 26 20.4–3.0 12.34S 167.42E 0 4.0,3.8

¶16153277
IDC Error ellipse: s-maj=154.9km s-min=27.6km az=142.0.
IDC IV 23 21 08 08.4–4.3 12.65S 167.02E 0 3.9,3.9b

¶16153314
IDC Error ellipse: s-maj=157.5km s-min=82.6km az=172.0.
IDC IV 24 15 09 30.1–8.4 11.49S 166.52E 258–90 3.5,3.3

¶16153340
IDC Error ellipse: s-maj=77.2km s-min=24.3km az=155.0.
IDC IV 25 05 28 11.0–1.8 12.83S 167.52E 0 4.2,4.1

¶16153365
IDC Error ellipse: s-maj=53.8km s-min=39.2km az=163.0.
IDC IV 26 10 54 54.7–4.0 11.57S 166.12E 51–32 4.2L,3.9

¶16154513
IDC Error ellipse: s-maj=32.2km s-min=20.3km az=56.0.
IDC IV 29 14 16 56.6–4.4 12.43S 166.96E 254–41 3.7,3.6

¶16154626
IDC Error ellipse: s-maj=27.5km s-min=20.2km az=0.0.
IDC V 01 12 10 53.1–7.5 11.07S 166.84E 0 4.3,4.0

¶16154707
IDC Error ellipse: s-maj=398.4km s-min=32.7km az=139.0.
ISC V 01 15 02 53.3–.95 11.5S–.10 166.3E–.20 59 4.0b 16 7-94
ISCJB V 01 15 02 51.9–.84 11.50S–.10 166.3E–.10 59 4.0b ¶12866392
IDC V 01 15 02 53.2–3.8 11.51S 166.37E 58–31 4.1L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.8km s-min=14.1km az=170.8.
IDC Error ellipse: s-maj=29.7km s-min=20.8km az=89.0.
IDC V 06 23 44 58.1–3.6 12.54S 166.72E 69–29 4.7L,4.0

¶16155468
IDC Error ellipse: s-maj=32.1km s-min=19.8km az=60.0.
IDC V 11 08 17 32.9–2.3 11.69S 165.98E 0 4.5L,4.0

¶16155630
IDC Error ellipse: s-maj=70.6km s-min=33.5km az=145.0.
IDC V 12 23 14 36.6–14 11.49S 166.19E 158–151 4.4L,3.7

¶16155690
IDC Error ellipse: s-maj=110.4km s-min=28.6km az=158.0.
IDC V 14 02 46 42.1–12 11.98S 166.55E 181–112 3.5,3.4

¶16155730
IDC Error ellipse: s-maj=49.9km s-min=28.6km az=86.0.
IDC V 15 23 50 57.3–13 12.10S 167.09E 265–130 3.8,3.6

¶16155786
IDC Error ellipse: s-maj=67.1km s-min=41.0km az=151.0.
IDC V 22 00 26 13.8–1.4 11.59S 166.41E 0 4.1,4.0

¶16156007
IDC Error ellipse: s-maj=60.4km s-min=19.3km az=140.0.
IDC V 25 15 04 08.8–17 11.60S 166.75E 222–167 3.6,3.3

¶16156149
IDC Error ellipse: s-maj=77.1km s-min=51.5km az=139.0.
ISC V 27 20 27 39.7–1.3 11.4S–.10 165.5E–.20 24 3.8b,3.2s 9 11-94
IDC V 27 20 27 36.2–1.7 11.16S 165.31E 0 4.7L,4.2 ¶16156237
ISCJB V 27 20 27 37.8–1.2 11.48S–.09 165.5E–.20 24 3.9b,3.2s
ISC Event type ke.
ISCJB Event type ke.
IDC VI 05 10 10 01.3–3.9 11.46S 166.26E 52–31 4.0L,3.9

¶16100980
IDC Error ellipse: s-maj=30.8km s-min=18.9km az=54.0.
IDC VI 06 13 07 14.2–14 12.50S 166.99E 460–216 3.2,3.0

¶16101015
IDC Error ellipse: s-maj=189.2km s-min=27.5km az=163.0.
IDC VI 07 19 29 52.6–1.4 10.88S 166.00E 48–9 4.8L,4.0

¶16101074
IDC Error ellipse: s-maj=31.8km s-min=20.4km az=161.0.
IDC VI 10 05 11 47.3–31 11.45S 165.60E 0 4.2,4.1

¶16101171
IDC Error ellipse: s-maj=536.4km s-min=50.7km az=50.0.
ISC VI 10 08 10 13.6–.29 11.11S–.04 166.36E–.04 135–2 5.0b 527 7-170
NOU VI 10 08 10 07.4–.62 10.62S 166.10E 30 4.5,3.3L ¶13440021
BJI VI 10 08 10 12.0 10.71S 166.68E 133 5.1b,4.9b
IDC VI 10 08 10 12.9–.53 11.07S 166.32E 127–4 4.7,4.7
MOS VI 10 08 10 13.0–.88 11.04S 166.26E 137 5.0b,4.7
GCMT VI 10 08 10 13.9–.20 11.15S 166.28E 134–1 5.1W,4.7
ISCJB VI 10 08 10 13.2–.87 11.13S–.03 166.27E–.03 142–8 4.9b,4.7
NEIC VI 10 08 10 14.9–.63 11.08S 166.28E 146–5 5.0b,4.7
DJA VI 10 08 10 20.8–1.3 11S–6.0 167E–7.0 194–14 5.2b,4.8b
ISC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c74; s90,c128; Moment tensor: Scale 10^{16}Nm; M_{rr}4.73±.12 $M_{\theta\theta}$-1.47±.18; $M_{\phi\phi}$-3.27±.17; $M_{r\theta}$0.16±.13; $M_{\theta\phi}$2.56±.16; $M_{\phi r}$-2.04±.13; Best double couple: NP1:ϕ_s313.00000°,δ36.00000°,λ71.00000°. NP2:ϕ_s156.00000°,δ56.00000°,λ104.00000°. Principal axes: T 5.2500,Plg75.0000° ,Azm106.0000°; N 0.1300,Plg11.0000°,Azm329.0000°; P -5.3900,Plg10.0000° ,Azm237.0000° $M_0$5.30000×10^{16}
ISCJB Event type se.
NEIC Event type se.
IDC VI 10 11 58 04.0–3.7 12.20S 166.88E 216–36 3.8,3.8

¶16101177
IDC Error ellipse: s-maj=24.0km s-min=16.7km az=145.0.
ISC VI 10 21 04 47.1–.58 11.9S–.10 166.8E–.10 200 4.0b 63 20-165
IDC VI 10 21 04 44.0–6.2 11.88S 166.80E 172–53 3.9,3.8 ¶13681125
ISCJB VI 10 21 04 45.4–.48 11.83S–.07 166.7E–.10 200 4.0b,3.8
NEIC VI 10 21 04 46.3–3.1 11.83S 166.76E 194–28 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=14.9km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=9.1km az=24.7.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.0km az=88.0.
IDC VI 11 13 15 02.3–4.0 11.99S 165.87E 0 3.9,3.7b

¶16101206
IDC Error ellipse: s-maj=170.5km s-min=31.8km az=138.0.
IDC VI 15 14 13 25.2–4.3 10.64S 166.19E 162–31 3.6,3.5

¶16101367
IDC Error ellipse: s-maj=48.2km s-min=26.1km az=66.0.
ISC VI 17 03 41 13.5–.39 10.66S–.05 166.05E–.08 155 4.5b 101 6-164
ISCJB VI 17 03 41 12.4–.31 10.61S–.04 166.00E–.07 155 4.4b ¶13197240
IDC VI 17 03 41 14.7–2.5 10.70S 166.08E 167–22 4.2,4.2
BJI VI 17 03 41 15.9 10.44S 166.15E 186 4.8b,4.5b
NEIC VI 17 03 41 16.4–1.0 10.64S 165.95E 182–9 4.5b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.9km az=5.2.
IDC Error ellipse: s-maj=15.4km s-min=11.8km az=91.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.6km az=149.0.
IDC VI 19 06 54 01.3–1.8 12.16S 165.80E 0 4.1,4.1b

¶16101492
IDC Error ellipse: s-maj=53.3km s-min=34.6km az=109.0.
IDC VI 19 07 15 37.1–5.4 12.65S 166.74E 127–50 3.6,3.5

¶16101494
IDC Error ellipse: s-maj=33.5km s-min=26.7km az=161.0.
ISC VI 19 11 24 24.0–.58 11.90S–.06 166.6E–.10 250 4.0b 59 7-123
NOU VI 19 11 24 19.2–.78 11.65S 168.71E 30 4.1,3.0L ¶13681654
ISCJB VI 19 11 24 23.3–.45 11.76S–.04 166.56E–.09 250 4.0b,3.0L
IDC VI 19 11 24 23.5–2.0 11.85S 166.67E 244–18 3.9,3.8
NEIC VI 19 11 24 25.1–1.4 11.79S 166.56E 255–13 4.3b,3.8
ISC Event type se.
NOU Error ellipse: s-maj=31.5km s-min=129.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=5.9km az=173.8.
IDC Error ellipse: s-maj=17.5km s-min=10.6km az=74.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.4km az=77.0.
ISC VI 20 12 40 27.4–.48 12.21S–.06 166.00E–.09 30 4.3b,4.1s 64 7-165
ISCJB VI 20 12 40 25.7–.43 12.21S–.06 166.02E–.09 30 4.3b,4.0s ¶13681720
NEIC VI 20 12 40 29.1–1.2 12.20S 166.06E 44–10 4.8b,4.0s
IDC VI 20 12 40 29.1–3.1 12.20S 166.05E 44–28 4.6L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=8.5km az=173.5.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.8km az=73.0.

IDC Error ellipse: s-maj=24.3km s-min=14.3km az=78.0.
IDC VI 21 18 16 05.5–1.6 12.73S 166.66E 0 4.4L,3.9

¶16101587
IDC Error ellipse: s-maj=49.0km s-min=30.5km az=71.0.
IDC VI 25 22 07 25.6–9.2 11.65S 165.90E 0 3.9,3.8b

¶16101731
IDC Error ellipse: s-maj=283.5km s-min=50.9km az=125.0.
IDC VI 29 12 56 10.6–5.4 12.26S 167.01E 214–49 4.5s,4.5

¶16101860
IDC Error ellipse: s-maj=19.9km s-min=13.9km az=81.0.
IDC VI 30 17 07 11.1–3.7 12.12S 165.90E 51–30 4.3L,3.8

¶16101904
IDC Error ellipse: s-maj=31.3km s-min=17.6km az=61.0.

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IDC I 07 10 27 23.9–2.5 13.03S 164.66E 0 4.1,3.9b

¶12080630
IDC Error ellipse: s-maj=55.7km s-min=33.1km az=93.0.
IDC I 23 11 07 45.9–2.0 14.34S 170.10E 665–30 3.5,3.4

¶12082116
IDC Error ellipse: s-maj=45.8km s-min=17.8km az=147.0.
IDC I 26 02 51 57.8–51 14.36S 162.57E 0 3.8,3.6b

¶12082344
IDC Error ellipse: s-maj=848.1km s-min=103.2km az=62.0.
ISC II 01 05 07 06.7–.58 17.0S–.10 172.0E–.10 35 4.1b,4.0s 37 6-170
IDC II 01 05 07 00.8–1.3 17.07S 172.18E 0 4.4,4.2 ¶12699309
ISCJB II 01 05 07 04.9–.54 17.0S–.10 172.02E–.09 33 4.1b,4.0s
NEIC II 01 05 07 06.7–.44 16.97S 172.02E 35 4.8b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=57.2km s-min=19.1km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=10.0km az=157.7.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=8.8km az=157.0.
IDC II 14 12 38 43.6–11 15.03S 164.49E 0 4.1,4.0b

¶15956057
IDC Error ellipse: s-maj=201.7km s-min=33.9km az=49.0.
ISC II 15 21 10 02.1–.38 20.97S–.06 173.66E–.05 71–2 4.9b 203 5-169
IDC II 15 21 09 52.9–.59 21.05S 173.64E 0 4.7,4.7 ¶11677941
NEIC II 15 21 09 56.7–2.7 20.83S 173.68E 26–20 5.1b,4.7
DJA II 15 21 09 59 23.08S 174.14E 91 4.9b,4.7
BJI II 15 21 10 00.4 20.80S 173.90E 72 5.3b,5.2s
ISCJB II 15 21 10 01.1–.21 21.03S–.05 173.53E–.04 72 4.8b,5.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 21 03 13 48.0–1.6 13.74S 170.74E 0 4.0,3.9

¶15956852
IDC Error ellipse: s-maj=73.3km s-min=22.0km az=143.0.
IDC III 14 19 41 39.6–2.3 14.96S 171.99E 640–35 3.3,3.1b

¶12703291
IDC Error ellipse: s-maj=30.8km s-min=15.4km az=147.0.
IDC III 20 13 50 10.8–10 21.39S 174.25E 0 4.0,3.9b

¶12703821
IDC Error ellipse: s-maj=295.6km s-min=62.2km az=137.0.
IDC IV 27 10 38 16.4–1.8 14.08S 171.26E 610–21 3.5,3.3

¶16154557
IDC Error ellipse: s-maj=51.7km s-min=15.7km az=147.0.
IDC V 03 15 27 12.2–1.3 15.17S 170.66E 679–16 3.5,3.4
VIE V 03 15 27 12.2 15.07S 170.73E 673 3.3b,3.4 ¶13678281
IDC Error ellipse: s-maj=14.7km s-min=11.2km az=157.0.
VIE 395 km NE of Port Vila .
IDC V 03 17 35 31.9–56 13.83S 169.49E 0 3.9,3.7

¶16154870
IDC Error ellipse: s-maj=958.9km s-min=127.1km az=66.0.
IDC V 07 11 11 36.7–29 18.11S 166.93E 0 4.0,3.9b

¶16155482
IDC Error ellipse: s-maj=509.1km s-min=47.3km az=60.0.
IDC V 26 16 04 38.6–67 13.36S 169.11E 0 3.6,3.4

¶16156186
IDC Error ellipse: s-maj=1147.0km s-min=120.9km az=65.0.
IDC V 31 06 45 29.1–1.1 13.80S 169.85E 0 4.6L,4.5

¶16066107
IDC Error ellipse: s-maj=34.6km s-min=20.5km az=124.0.
IDC VI 04 00 58 51.0–4.5 19.71S 173.10E 0 4.3,4.0b

¶16100920
IDC Error ellipse: s-maj=235.6km s-min=60.4km az=156.0.
ISC VI 07 17 24 57.2–.41 15.14S–.06 170.88E–.07 35 5.0b,4.2s 132 7-169
IDC VI 07 17 24 51.3–.71 15.12S 171.00E 0 4.8,4.7 ¶15155848
ISCJB VI 07 17 24 54.7–.33 15.16S–.05 170.91E–.05 33 4.8b,4.3s
NEIC VI 07 17 24 57.4–.90 15.19S 170.90E 44–9 5.1b,4.3s
GCMT VI 07 17 24 58.4–.20 15.03S 170.88E 23–1 5.1W,4.3s
AUST VI 07 17 24 59.3 15.00S 171.03E 60 5.1W,4.3s
BJI VI 07 17 25 01.8 14.60S 170.08E 47 5.0b,4.8b
DJA VI 07 17 25 14.4–5.4 15S–13 170E–21 162–43 5.3b,4.7
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Port-Vila.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s50,c78; s85,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.53±.15 $M_{\theta\theta}$2.67±.13; $M_{\phi\phi}$-2.14±.13; $M_{r\theta}$-0.13±.20; $M_{\theta\phi}$5.11±.12; $M_{\phi r}$-0.71±.20; Best double couple: NP1:ϕ_s283.00000°,δ83.00000°,λ-1.00000°. NP2:ϕ_s13.00000°,δ89.00000°,λ-173.00000°. Principal axes: T 5.9500,Plg4.0000° ,Azm147.0000°; N -0.5100,Plg82.0000°,Azm22.0000°; P -5.4400,Plg6.0000°,Azm238.0000° $M_0$5.70000×10^{16}
ISC VI 22 23 42 11.3–1.1 19.3S–.10 167.9E–.20 26 4.0b 14 3-98
IDC VI 22 23 42 07.2–1.3 19.23S 167.95E 0 4.3,4.1 ¶13681866
ISCJB VI 22 23 42 10.0–.82 19.25S–.06 167.8E–.10 26 4.0b,4.1
NOU VI 22 23 42 11.3–.83 19.00S 167.57E 30 4.0L,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=48.3km s-min=20.8km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=20.6km s-min=7.1km az=17.9.
NOU Error ellipse: s-maj=10.1km s-min=27.4km az=-1.0.
IDC VI 25 16 17 38.8–54 14.54S 164.77E 0 3.9,3.8

¶16101721
IDC Error ellipse: s-maj=901.1km s-min=99.3km az=64.0.

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IDC I 01 01 00 15.9–5.5 16.65S 169.30E 0 4.2,4.0b

¶12079719
IDC Error ellipse: s-maj=118.2km s-min=58.2km az=115.0.
IDC I 01 02 12 25.1–1.9 13.38S 167.47E 0 4.0,3.9

¶12079722
IDC Error ellipse: s-maj=67.2km s-min=26.2km az=129.0.
ISC I 01 18 58 22.8–1.2 18.8S–.20 169.5E–.20 246 3.7b 15 4-147
IDC I 01 18 58 21.8–10 18.90S 169.55E 241–92 3.7s,3.7 ¶12079772
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=30.8km az=128.0.
ISC I 02 08 36 00.0–1.8 19.8S–.20 168.5E–.30 25 4.2b 23 3-91
IDC I 02 08 35 56.5–2.9 19.56S 168.43E 0 4.2,4.0b ¶12079810
ISCJB I 02 08 35 59.1–1.5 19.69S–.09 168.3E–.20 25 4.1b,4.0b
NOU I 02 08 35 59.2–.91 19.41S 168.25E 10–999 3.2L,2.7
NEIC I 02 08 36 01.4–3.6 19.76S 168.47E 36–34 4.5b,2.7
ISC Event type se.
IDC Error ellipse: s-maj=108.2km s-min=33.8km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=31.0km s-min=7.6km az=20.0.
NOU Error ellipse: s-maj=51.6km s-min=44.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=45.2km s-min=24.5km az=164.0.
ISC I 05 04 47 55.9–2.4 14.6S–.60 167.2E–.50 35 4.0b 4 8-97
IDC I 05 04 47 50.8–2.6 14.51S 167.13E 0 4.2,4.0 ¶12080331
NOU I 05 04 47 53.8–.77 14.73S 169.84E 30 3.4,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=89.5km s-min=25.0km az=134.0.
NOU Error ellipse: s-maj=61.8km s-min=98.5km az=-1.0.

IDC I 06 06 44 59.2–8.6 18.11S 169.23E 181–54 3.9,3.8b
¶12080472

IDC Error ellipse: s-maj=120.5km s-min=69.7km az=107.0.
ISC I 06 17 16 57.7–1.9 14.68S–.10 166.9E–.30 57 3.7b 11 7-97
ISCJB I 06 17 16 56.1–1.7 14.76S–.09 166.9E–.30 57 3.6b **¶12080531**
IDC I 06 17 17 02.4–7.6 14.90S 167.06E 111–83 4.1L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=38.9km s-min=11.0km az=171.3.
IDC Error ellipse: s-maj=71.6km s-min=37.1km az=137.0.
IDC I 06 17 45 52.1–9.0 15.70S 167.38E 101–102 3.9,3.7b
¶12080536

IDC Error ellipse: s-maj=87.5km s-min=46.0km az=139.0.
ISC I 06 21 25 12.3–1.2 15.47S–.09 167.8E–.30 39 3.8b 14 7-166
ISCJB I 06 21 25 11.5–1.2 15.46S–.08 167.6E–.20 39 3.7b **¶12080554**
IDC I 06 21 25 22.6–4.8 15.76S 167.66E 131–47 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.5km s-min=10.5km az=5.2.
IDC Error ellipse: s-maj=38.8km s-min=29.3km az=156.0.
ISC I 07 15 26 20.0–.74 14.65S–.08 167.4E–.10 129 4.0b 30 7-166
ISCJB I 07 15 26 19.0–.73 14.67S–.07 167.3E–.10 129 4.1b **¶12080652**
IDC I 07 15 26 21.4–4.0 14.78S 167.28E 139–34 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=9.1km az=172.8.
IDC Error ellipse: s-maj=25.6km s-min=18.0km az=33.0.
ISC I 07 20 33 04.5–1.2 14.37S–.09 167.6E–.10 200 4.1b 36 8-166
NEIC I 07 20 33 06.3–1.6 14.42S 167.19E 165–14 4.5b **¶13404667**
IDC I 07 20 33 09.9–1.8 14.55S 167.11E 199–17 3.9,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=11.8km az=168.0.
IDC Error ellipse: s-maj=19.8km s-min=10.8km az=149.0.
ISC I 07 21 47 55.6–1.2 19.4S–.10 169.23E–.10 153–11 3.9b 52 3-147
ISCJB I 07 21 47 53.9–1.4 19.3S–.10 169.15E–.09 149–12 4.0b **¶12080684**
NOU I 07 21 47 53.4–.85 18.99S 169.14E 30 3.6L,3.0
IDC I 07 21 47 55.1–2.4 19.28S 169.19E 145–24 4.0,3.9
NEIC I 07 21 47 56.3–1.6 19.36S 169.18E 161–16 4.1b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=13.5km az=161.3.
NOU Error ellipse: s-maj=20.8km s-min=27.7km az=-1.0.
IDC Error ellipse: s-maj=28.2km s-min=15.3km az=165.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=10.1km az=169.0.
ISC I 08 11 24 47.6–1.8 20.0S–.20 169.6E–.20 122–14 3.9b 30 3-167
NOU I 08 11 24 46.7–.95 19.45S 169.36E 10 3.6L,2.7 **¶12080731**
ISCJB I 08 11 24 47.2–1.7 20.0S–.20 169.5E–.20 127–15 4.0b,2.7
IDC I 08 11 24 48.0–3.7 19.89S 169.57E 123–31 4.0,3.8
ISC Event type ke.
NOU Error ellipse: s-maj=24.3km s-min=26.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=32.1km s-min=18.3km az=145.9.
IDC Error ellipse: s-maj=25.2km s-min=23.1km az=98.0.
ISC I 08 17 19 42.8–.62 19.0S–.10 169.67E–.09 246 4.5b 49 4-145
ISCJB I 08 17 19 42.1–.56 19.0S–.10 169.57E–.09 246 4.3b **¶12080759**
IDC I 08 17 19 46.6–2.0 19.09S 169.51E 279–21 4.1,4.0b
NEIC I 08 17 19 46.5–1.0 19.13S 169.50E 282–10 4.5b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=10.1km az=153.2.
IDC Error ellipse: s-maj=30.7km s-min=12.7km az=162.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.1km az=163.0.
IDC I 09 10 15 01.1–7.5 14.38S 167.18E 118–74 3.9,3.7b
¶12080828

IDC Error ellipse: s-maj=62.9km s-min=28.8km az=154.0.
IDC I 09 21 04 07.8–1.6 16.99S 167.56E 0 4.0L,3.9
¶12080886

IDC Error ellipse: s-maj=45.0km s-min=21.3km az=119.0.
ISC I 10 21 47 53.1–.66 14.54S–.06 167.6E–.10 170 4.5b 60 8-166
ISCJB I 10 21 47 51.5–.57 14.63S–.06 167.6E–.10 170 4.4b **¶12080986**
NEIC I 10 21 47 58.6–1.6 14.74S 167.47E 222–14 4.5b
IDC I 10 21 47 58.1–3.1 14.73S 167.48E 215–29 4.1,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=8.8km az=9.6.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.1km az=71.0.
IDC Error ellipse: s-maj=24.4km s-min=17.0km az=119.0.
ISC I 11 17 57 33.4–4.4 18.5S–.20 167.0E–.50 23 3.6b 11 4-90
IDC I 11 17 57 25.4–1.9 18.03S 167.46E 0 4.2L,4.0 **¶12081049**
NOU I 11 17 57 32.0–.62 18.28S 167.46E 30 3.1L,2.6
ISC Event type ke.
IDC Error ellipse: s-maj=54.7km s-min=31.7km az=131.0.
NOU Error ellipse: s-maj=6.4km s-min=22.7km az=-1.0.
ISC I 13 05 43 31.0–.73 14.88S–.07 167.4E–.10 129 4.2b 36 7-166
ISCJB I 13 05 43 29.5–.72 14.82S–.06 167.3E–.10 129 4.1b **¶12081172**
NEIC I 13 05 43 29.9–2.5 14.82S 167.38E 120–22 4.6b
IDC I 13 05 43 30.4–4.3 14.90S 167.40E 124–40 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=8.3km az=178.9.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=16.4km az=202.0.
IDC Error ellipse: s-maj=28.5km s-min=23.8km az=149.0.
IDC I 13 08 40 29.9–45 15.47S 168.98E 559–158 2.8,2.7
¶12081176

IDC Error ellipse: s-maj=856.9km s-min=101.3km az=69.0.
ISC I 13 17 38 23.8–.65 20.58S–.09 169.90E–.07 128–5 4.6b 93 3-165
NOU I 13 17 38 21.7–.83 19.75S 169.67E 10 3.9L,2.8 **¶12081201**
ISCJB I 13 17 38 23.3–1.1 20.56S–.08 169.85E–.07 136–8 4.5b,2.8
NEIC I 13 17 38 23.2–.41 20.50S 169.89E 122 4.7b,2.8
IDC I 13 17 38 24.3–.76 20.63S 169.85E 129–5 4.4,4.2
ISC Event type se.
NOU Error ellipse: s-maj=24.9km s-min=22.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=10.1km az=179.1.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.7km az=174.0.
IDC Error ellipse: s-maj=18.5km s-min=11.2km az=153.0.
ISC I 14 00 03 26.9–.76 17.7S–.10 168.6E–.10 93 4.0b 26 5-167
IDC I 14 00 03 21.9–7.2 17.36S 168.40E 39–66 4.2,4.0 **¶12081232**
NEIC I 14 00 03 21.3–.53 17.37S 168.36E 35 4.4b,4.0
ISCJB I 14 00 03 25.0–.71 17.65S–.09 168.5E–.10 93 4.0b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC I 16 06 47 57.3–.36 15.14S–.05 168.05E–.05 73–2 5.0b 455 7-169
MOS I 16 06 47 52.3–1.2 14.96S 167.96E 33 5.2b **¶13405750**
IDC I 16 06 47 55.6–2.0 15.12S 168.05E 56–18 5.2L,4.7
NEIC I 16 06 47 56.3–.99 15.06S 167.99E 58–9 5.0b,4.7
ISCJB I 16 06 47 56.2–.15 15.17S–.04 167.91E–.03 70 4.9b,4.7
BJI I 16 06 47 59.2 14.41S 167.93E 75 5.3b,5.2s
DJA I 16 06 48 09 15.31S 167.66E 163 4.8b,5.2s
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=8.0km az=18.9.
IDC Error ellipse: s-maj=16.8km s-min=10.4km az=143.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.3km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.9km az=162.0.
IDC I 17 03 04 31.7–4.2 19.84S 169.19E 0 4.0s,4.0
¶12081507

IDC Error ellipse: s-maj=125.3km s-min=35.5km az=132.0.
IDC I 18 07 04 07.5–2.0 17.79S 166.99E 0 4.0,3.9L
¶12081615

IDC Error ellipse: s-maj=44.9km s-min=29.7km az=110.0.
IDC I 18 07 14 20.3–2.0 17.36S 168.26E 0 4.4,4.2
¶12081616

IDC Error ellipse: s-maj=56.7km s-min=29.5km az=131.0.
IDC I 18 20 19 21.5–2.8 19.03S 169.26E 238–28 3.8,3.6
¶12081669

IDC Error ellipse: s-maj=41.3km s-min=17.8km az=154.0.
ISC I 19 14 36 03.7–4.9 19.0S–.20 169.1E–.60 122 3.5b 7 4-33
NOU I 19 14 36 11.9–1.1 21.02S 170.34E 10 3.2L,2.7 **¶12081764**
IDC I 19 14 36 14.6–7.2 20.36S 169.21E 255–30 3.1,3.0
ISC Event type ke.
NOU Error ellipse: s-maj=76.7km s-min=28.3km az=-1.0.
IDC Error ellipse: s-maj=88.6km s-min=76.2km az=117.0.
IDC I 19 15 32 43.4–20 14.69S 166.72E 54–88 4.5L,4.0
¶12081770

IDC Error ellipse: s-maj=481.8km s-min=32.8km az=66.0.
ISC I 19 18 56 55.7–4.1 19.1S–.20 168.5E–.30 87–33 3.8b 15 3-87
NOU I 19 18 56 53.1–1.0 18.82S 168.45E 30 3.2L,2.8 **¶12081788**
ISCJB I 19 18 56 54.9–2.2 19.1S–.10 168.4E–.20 92–19 3.7b,2.8
IDC I 19 18 56 56.4–6.0 19.12S 168.46E 91–46 3.8,3.7
ISC Event type ke.
NOU Error ellipse: s-maj=16.9km s-min=31.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=32.3km s-min=20.1km az=26.3.
IDC Error ellipse: s-maj=45.2km s-min=32.9km az=45.0.
IDC I 20 04 18 37.2–4.2 19.78S 169.37E 0 3.7,3.6L
¶12081828

IDC Error ellipse: s-maj=131.4km s-min=42.5km az=135.0.
IDC I 20 08 09 00.4–1.4 14.88S 166.88E 0 3.8,3.8L
¶12081851

IDC Error ellipse: s-maj=44.1km s-min=27.1km az=119.0.
ISC I 20 14 20 59.1–.93 18.10S–.07 168.1E–.10 83–10 4.3b 34 4-77
NOU I 20 14 20 55.8–.58 17.88S 168.28E 30 3.6L,3.0 **¶12081873**
ISCJB I 20 14 20 57.5–1.2 18.11S–.07 168.07E–.10 88–14 4.4b,3.0
IDC I 20 14 20 58.1–5.2 18.12S 168.34E 96–29 4.2,4.2
NEIC I 20 14 20 58.6–1.2 18.09S 168.01E 78–16 4.0b,4.2
ISC Event type fe.
NOU Error ellipse: s-maj=9.0km s-min=22.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=16.1km s-min=10.3km az=26.2.
IDC Error ellipse: s-maj=66.1km s-min=23.0km az=89.0.
NEIC Event type fe. Error ellipse: s-maj=17.7km s-min=13.7km az=219.0. Felt at Port-Vila.
ISC I 22 07 07 03.0–.38 15.01S–.05 167.18E–.06 102–2 4.6b 142 7-166
NOU I 22 07 06 59.8–1.0 14.84S 168.01E 30 3.6,3.1L **¶11616373**
ISCJB I 22 07 07 02.1–1.2 15.03S–.06 167.08E–.05 101–11 4.4b,3.1L
NEIC I 22 07 07 02.2–.32 14.90S 167.15E 93 4.7b,3.1L
IDC I 22 07 07 02.0–.61 14.94S 167.19E 94–4 4.1,4.1
BJI I 22 07 07 05.7 14.46S 167.23E 110 4.9b,4.6b
ISC Event type se.
NOU Error ellipse: s-maj=15.8km s-min=89.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=7.6km az=23.4.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=8.0km az=180.0.
IDC Error ellipse: s-maj=16.1km s-min=11.2km az=114.0.
ISC I 23 01 50 19.7–.31 15.29S–.04 167.48E–.05 145–2 5.0b 366 7-169
DJA I 23 01 49 54 15.30S 169.26E 10 5.3b **¶13433941**
NOU I 23 01 50 15.2–1.1 14.94S 168.00E 30 3.9,3.2L
BJI I 23 01 50 18.2 15.20S 167.50E 146 5.1b,5.1b
ISCJB I 23 01 50 20.0–.77 15.32S–.04 167.46E–.04 157–7 4.9b,5.1b
NEIC I 23 01 50 20.0–.16 15.20S 167.51E 145 4.8b,5.1b
IDC I 23 01 50 19.8–.66 15.28S 167.40E 142–5 4.6,4.6
ISC Event type se.
NOU Error ellipse: s-maj=16.0km s-min=71.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.5km az=24.1.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.9km az=149.0.
IDC Error ellipse: s-maj=13.2km s-min=9.6km az=122.0.
IDC I 23 02 57 21.1–5.2 17.05S 168.36E 245–57 3.6s,3.6
¶12082094

IDC Error ellipse: s-maj=74.4km s-min=27.7km az=157.0.
IDC I 23 17 54 38.8–2.8 13.56S 167.28E 199–22 4.3s,4.3
¶12082151

IDC Error ellipse: s-maj=38.0km s-min=16.5km az=139.0.
ISC I 23 18 22 56.5–2.4 18.2S–.10 168.3E–.40 35 3.7b 12 4-124
NOU I 23 18 22 55.8–1.0 17.96S 168.05E 30 3.4L,3.1 **¶12082152**
IDC I 23 18 23 00.5–7.4 18.52S 168.42E 86–72 3.5,3.4
ISC Event type ke.
NOU Error ellipse: s-maj=28.4km s-min=75.6km az=-1.0.
IDC Error ellipse: s-maj=71.3km s-min=45.4km az=152.0.
IDC I 24 05 40 32.1–4.8 16.73S 168.20E 200–48 3.8,3.7b
¶12082194

IDC Error ellipse: s-maj=52.8km s-min=27.1km az=162.0.
ISC I 24 12 59 00.4–3.1 20.9S–.50 169.8E–.30 96–27 3.9b 20 3-149
NOU I 24 12 58 59.7–1.1 20.02S 169.41E 30 4.1L,2.7 **¶12082221**
ISCJB I 24 12 59 00.7–1.9 20.8S–.50 169.6E–.30 107–18 3.9b,2.7
IDC I 24 12 59 00.7–4.0 20.69S 169.71E 92–33 4.0,3.8
ISC Event type ke.
NOU Error ellipse: s-maj=31.1km s-min=27.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=85.2km s-min=19.4km az=154.7.
IDC Error ellipse: s-maj=105.3km s-min=28.1km az=153.0.
ISC I 24 22 57 38.4–1.1 17.89S–.08 168.1E–.20 11–5 4.3b,3.4s 54 4-166
IDC I 24 22 57 36.9–.82 17.74S 168.15E 0 4.4,4.3 **¶12082260**
NEIC I 24 22 57 42.2–.67 17.85S 168.09E 35 4.5b,4.3
NOU I 24 22 57 46.7–.59 18.17S 168.08E 30 3.8L,3.2
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=21.4km az=129.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=13.9km az=128.0.
NOU Error ellipse: s-maj=17.1km s-min=45.4km az=-1.0.
IDC I 27 14 09 01.2–5.2 19.46S 169.41E 0 4.1,3.9
¶12082485

IDC Error ellipse: s-maj=132.6km s-min=35.1km az=121.0.
IDC I 27 19 35 13.5–3.7 19.03S 169.40E 259–46 3.3,3.1b
¶12082511

IDC Error ellipse: s-maj=103.2km s-min=29.9km az=156.0.
NOU I 28 15 13 24.5–2.0 20.69S 169.87E 30 3.1,3.0L
IDC I 28 15 12 13.8–68 18.88S 178.32E 0 4.1s,4.1 **¶12790494**
NOU Error ellipse: s-maj=97.1km s-min=54.3km az=-1.0.
IDC Error ellipse: s-maj=1205.0km s-min=161.1km az=79.0.
ISC I 30 14 52 01.4–.85 19.80S–.07 168.87E–.07 23–5 4.5b 118 3-166
IDC I 30 14 51 58.0–.66 19.74S 168.86E 0 4.6,4.5 **¶11657473**
NEIC I 30 14 51 59.5–.28 19.78S 168.86E 10 4.6b,4.5
BJI I 30 14 52 00.3 19.60S 168.70E 30 5.2b,4.6b
SZGRF I 30 14 52 00.8 20.74S 169.15E 33 5.2b,4.6b
ISCJB I 30 14 52 01.7–1.6 19.84S–.08 168.82E–.08 33–14 4.4b,3.4s
NOU I 30 14 52 02.5–1.1 19.34S 168.33E 30 3.3L,3.0
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=17.0km az=149.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.1km az=157.0.
SZGRF Vanuatu Islands.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=10.5km az=139.7.
NOU Error ellipse: s-maj=17.1km s-min=31.0km az=-1.0.
ISC II 03 00 07 10.1–.30 19.15S–.04 169.52E–.04 264–2 5.2b 900 4-167
MOS II 03 00 07 09.9–1.2 19.06S 169.49E 269 5.5b **¶13434203**
IDC II 03 00 07 09.5–1.1 19.12S 169.52E 254–8 4.8,4.8
ISCJB II 03 00 07 09.7–.53 19.08S–.05 169.43E–.03 266–5 5.1b,4.8
NOU II 03 00 07 10.2–1.3 18.54S 169.39E 30–999 3.9,4.8
NEIC II 03 00 07 10.8–.71 19.05S 169.49E 265–6 5.3b,4.8
BGS II 03 00 07 11.6–3.5 19.05S 169.49E 265 5.3b,4.8
BJI II 03 00 07 12.6 18.46S 169.35E 269 5.1b,5.0b
ISC Event type se.
MOS Error ellipse: s-maj=8.8km s-min=8.3km az=15.6.
IDC Error ellipse: s-maj=13.0km s-min=8.2km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.4km az=169.6.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.7km az=161.0.
BGS Error ellipse: s-maj=524.2km s-min=999.9km az=-1.0.
IDC II 04 23 17 09.4–4.6 15.03S 167.40E 136–40 3.6,3.5
¶15955028

IDC Error ellipse: s-maj=30.2km s-min=29.7km az=20.0.
IDC II 07 00 49 17.6–55 15.66S 166.66E 0 4.3,4.1
¶15955164

IDC Error ellipse: s-maj=921.5km s-min=100.4km az=67.0.
IDC II 07 14 50 20.7–3.9 13.36S 167.23E 180–30 3.8,3.7
¶15955185

IDC Error ellipse: s-maj=34.6km s-min=15.2km az=119.0.

ISC II 07 19 45 22.0–.82 14.66S–.07 167.2E–.10 67 4.3b 34 7-166
IDC II 07 19 45 13.5–1.3 14.57S 167.37E 0 4.6L,4.3 ¶12699744
NEIC II 07 19 45 15.7–.92 14.50S 167.07E 10 4.5b,4.3
ISCJB II 07 19 45 20.8–.68 14.66S–.06 167.16E–.10 67 4.2b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 09 11 27 18.9–37 18.82S 169.14E 0 4.3,4.1
¶15955297

IDC Error ellipse: s-maj=639.3km s-min=111.9km az=78.0.
ISC II 10 10 23 07.6–1.4 15.02S–.08 167.7E–.20 129 3.6b 15 7-131
ISCJB II 10 10 23 06.9–1.6 15.04S–.07 167.6E–.20 129 3.8b ¶15955356
IDC II 10 10 23 10.1–3.2 15.11S 167.46E 148–24 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.7km s-min=7.1km az=163.4.
IDC Error ellipse: s-maj=32.9km s-min=17.5km az=74.0.
ISC II 10 12 48 39.1–5.0 17S–1.0 169E–2.0 200 3.5b 8 5-99
NOU II 10 12 48 33.5–.68 16.73S 168.90E 30–999 3.9L,3.5 ¶12699911
IDC II 10 12 48 41.5–4.7 17.04S 168.32E 213–52 3.7,3.5
ISC Event type ke.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=57.5km s-min=20.5km az=163.0.
IDC II 11 12 41 09.8–10 14.36S 166.52E 282–70 3.7,3.7
¶15955420

IDC Error ellipse: s-maj=124.0km s-min=36.6km az=105.0.
IDC II 12 13 28 51.4–4.2 13.80S 167.14E 240–40 3.7,3.6
¶15955708

IDC Error ellipse: s-maj=29.5km s-min=28.2km az=106.0.
IDC II 13 00 51 43.9–2.9 18.62S 169.08E 0 4.2,4.1
¶15955864

IDC Error ellipse: s-maj=50.9km s-min=40.4km az=45.0.
ISC II 13 03 11 27.6–1.5 13.20S–.09 167.19E–.08 235–13 4.3b 120 9-166
IDC II 13 03 11 27.6–1.7 13.25S 167.16E 234–16 4.1,4.0 ¶12700438
ISCJB II 13 03 11 28.0–1.9 13.24S–.10 167.19E–.08 254–19 4.3b,4.0
NEIC II 13 03 11 28.1–1.1 13.22S 167.20E 242–10 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=9.7km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=10.3km az=147.9.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.2km az=162.0.
ISC II 14 08 29 39.9–.38 15.87S–.04 167.50E–.05 120–2 4.9b 394 6-166
SZGRF II 14 08 29 30.1 14.78S 167.52E 33 4.9b ¶11673089
IDC II 14 08 29 33.8–1.3 15.69S 167.63E 68–9 4.6,4.6
NOU II 14 08 29 33.7–.83 15.44S 167.28E 30 4.8L,3.5
ISCJB II 14 08 29 35.4–1.1 15.79S–.05 167.50E–.06 94–11 4.8b,3.5
BJI II 14 08 29 36.4 15.90S 168.08E 127 5.1b,4.7b
MOS II 14 08 29 38.2–1.2 15.61S 167.39E 111 4.7b,4.7b
NEIC II 14 08 29 39.9–1.1 15.72S 167.46E 120–10 4.9b,4.7b
ISC Event type se.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=18.3km s-min=11.5km az=101.0.
NOU Error ellipse: s-maj=7.1km s-min=47.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=7.7km az=167.6.
MOS Error ellipse: s-maj=10.9km s-min=8.3km az=24.3.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.6km az=179.0.
ISC II 14 12 34 03.8–.85 15.99S–.08 167.8E–.20 177 3.9b 22 6-127
IDC II 14 12 34 01.7–3.3 15.92S 167.83E 154–32 3.8,3.8 ¶15956056
ISCJB II 14 12 34 02.8–.77 15.94S–.06 167.7E–.20 177 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC II 15 16 06 10.6–1.2 17.81S–.07 167.8E–.20 23 4.1b 19 4-100
IDC II 15 16 06 05.5–1.5 17.86S 168.04E 0 4.5L,4.3 ¶15956169
ISCJB II 15 16 06 09.2–1.3 17.86S–.05 167.7E–.20 23 4.0b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC II 16 08 04 46.1–2.6 17.02S 168.63E 233–22 3.7,3.6
¶15956258

IDC Error ellipse: s-maj=25.0km s-min=23.3km az=143.0.
ISC II 17 19 21 30.6–.34 18.90S–.05 168.85E–.06 102–2 4.9b 354 4-166
SZGRF II 17 19 21 25.8 20.38S 169.61E 98 4.9b ¶11682567
NEIC II 17 19 21 30.4–.18 18.85S 168.85E 99 4.9b
ISCJB II 17 19 21 30.5–.92 18.90S–.05 168.72E–.05 111–8 4.9b
IDC II 17 19 21 30.6–.50 18.89S 168.84E 99–3 4.6,4.6
BGS II 17 19 21 30.5–2.1 18.85S 168.85E 99 4.9b,4.6
BJI II 17 19 21 30.3 18.37S 169.06E 103 5.1b,4.9b
ISC Event type se.
SZGRF Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=5.2km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=7.4km az=154.0.
IDC Error ellipse: s-maj=12.7km s-min=8.7km az=130.0.
BGS Error ellipse: s-maj=187.6km s-min=999.9km az=-1.0.
IDC II 19 12 31 32.0–3.7 13.37S 166.24E 53–31 4.0L,3.7
¶15956712

IDC Error ellipse: s-maj=35.9km s-min=18.7km az=62.0.
IDC II 20 13 34 28.9–1.8 13.01S 166.62E 0 4.0,3.9b
¶15956817

IDC Error ellipse: s-maj=65.3km s-min=24.3km az=138.0.
ISC II 23 09 33 39.6–2.6 20.9S–.60 169.0E–.40 25 4.0b 10 3-146
IDC II 23 09 33 36.2–1.7 21.01S 169.33E 0 4.1,4.0 ¶12701624
NOU II 23 09 33 37.1–1.2 21.02S 169.18E 10–999 3.2L,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=44.7km s-min=30.8km az=175.0.
NOU Error ellipse: s-maj=946.6km s-min=505.3km az=-1.0.
ISC II 23 18 24 01.3–.69 19.1S–.10 169.6E–.10 246 4.0b 50 4-167
SZGRF II 23 18 23 29.1 21.72S 169.04E 33 4.0b ¶12701661
ISCJB II 23 18 24 00.4–.68 19.1S–.10 169.6E–.10 246 4.0b
VIE II 23 18 24 01.1 19.15S 169.49E 245 3.7b
IDC II 23 18 24 03.3–2.5 19.17S 169.54E 265–22 3.9,3.8
ISC Event type ke.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=12.3km az=136.7.
VIE 200 km SE of Port Vila .
IDC Error ellipse: s-maj=20.3km s-min=14.9km az=136.0.
IDC II 24 15 03 37.8–3.6 19.83S 169.74E 0 3.7,3.5L
¶15957170

IDC Error ellipse: s-maj=140.8km s-min=28.0km az=141.0.
ISC II 24 18 30 15.4–.20 13.22S–.04 167.25E–.04 222 5.2b 964 8-170
SZGRF II 24 18 29 38.9 16.95S 170.79E 33 5.2b ¶11728645
BJI II 24 18 30 13.8 13.08S 167.36E 221 5.1b,5.1b
IDC II 24 18 30 13.4–.85 13.24S 167.29E 202–6 4.8,4.8
ISCJB II 24 18 30 14.1–.12 13.22S–.03 167.19E–.03 219 5.0b,4.8
MOS II 24 18 30 15.5–1.0 13.09S 167.12E 223 5.2b,4.8
NEIC II 24 18 30 15.3–.12 13.18S 167.24E 220 5.2b,4.8
TEH II 24 18 30 17.0 13.12S 167.16E 236 5.4L,4.8
DJA II 24 18 30 40 13.63S 166.17E 422 4.8b,4.8
ISC Event type se.
SZGRF Vanuatu Islands region.
IDC Error ellipse: s-maj=10.3km s-min=8.5km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.3km az=137.7.
MOS Error ellipse: s-maj=8.3km s-min=7.3km az=130.9.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.9km az=129.0.
ISC II 25 00 27 44.9–3.2 19.9S–.30 168.6E–.50 10 3.9b 7 3-145
IDC II 25 00 27 42.0–2.5 19.85S 168.76E 0 4.0,3.8 ¶15957226
ISC Event type ke.
IDC Error ellipse: s-maj=88.6km s-min=30.5km az=142.0.
IDC II 25 17 25 48.1–3.9 14.30S 167.24E 248–35 3.7,3.6
¶15957262

IDC Error ellipse: s-maj=24.4km s-min=23.8km az=170.0.
ISC II 26 11 21 27.7–1.1 18.2S–.10 167.6E–.20 23 3.9b 11 4-90
IDC II 26 11 21 23.9–1.2 18.08S 167.63E 0 4.2,4.2L ¶15957351
ISCJB II 26 11 21 26.1–.96 18.27S–.08 167.5E–.20 23 3.8b,4.2L
ISC Event type ke.
ISCJB Event type ke.
IDC II 28 14 32 00.1–2.9 18.94S 169.20E 230–26 3.6,3.5
¶15957525

IDC Error ellipse: s-maj=33.6km s-min=20.9km az=139.0.
IDC II 28 18 39 23.6–13 14.44S 166.18E 0 4.2L,4.1
¶15957542

IDC Error ellipse: s-maj=228.2km s-min=37.3km az=59.0.
IDC III 01 09 12 59.3–3.7 18.91S 169.09E 140–30 3.9,3.7b
¶12702175

IDC Error ellipse: s-maj=30.8km s-min=26.9km az=1.0.
IDC III 01 12 22 53.2–4.2 13.20S 167.13E 224–36 3.7,3.6b
¶12702189

IDC Error ellipse: s-maj=28.4km s-min=22.5km az=3.0.
IDC III 01 14 24 18.0–2.5 13.61S 167.92E 0 3.6b,3.6
¶12702197

IDC Error ellipse: s-maj=83.6km s-min=34.9km az=122.0.
IDC III 03 16 07 04.5–6.7 15.05S 167.48E 185–77 3.3,3.2
¶12702364

IDC Error ellipse: s-maj=72.8km s-min=28.9km az=146.0.
ISC III 04 17 06 15.9–.35 13.21S–.05 167.82E–.05 46–2 5.1b,4.8s 486 9-170
IDC III 04 17 06 09.1–.54 13.17S 167.85E 0 4.9,4.9 ¶11752797
DJA III 04 17 06 10.2–.80 13S–10 168E–12 10 5.8b,5.4
ISCJB III 04 17 06 11.0–2.3 13.15S–.05 167.71E–.03 17–16 5.1b,4.7s
GCMT III 04 17 06 12.8–.20 13.24S 167.91E 12 5.1W,4.7s
MOS III 04 17 06 12.9–.89 13.10S 167.75E 33 5.4b,4.7s
NEIC III 04 17 06 15.2–.80 13.11S 167.77E 40–7 5.3b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=13.4km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.8km az=2.2.
GCMT Event type se. Data Used: IU CN II G IC. Moment Tensor Solution. s47,c60; s85,c128; Moment tensor: Scale 10^{16}Nm; M_{rr}5.11±.14 $M_{\theta\theta}$-2.24±.15; $M_{\phi\phi}$-2.86±.14; $M_{r\theta}$0.21±.38; $M_{\theta\phi}$3.81±.12; $M_{\phi r}$0.88±.43; Best double couple: NP1:ϕ_s127.00000°,δ43.00000°,λ75.00000°. NP2:ϕ_s328.00000°,δ48.00000°,λ104.00000°. Principal axes: T 5.2700,Plg79.0000° ,Azm304.0000°; N 1.1300,Plg11.0000°,Azm138.0000°; P -6.4000,Plg3.0000°,Azm48.0000° M_o5.80000×10^{16}
MOS Error ellipse: s-maj=9.3km s-min=8.2km az=21.3.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=165.0.
ISC III 05 03 17 44.5–1.2 16.06S–.08 166.5E–.20 26 3.9b,3.7s 17 6-99
IDC III 05 03 17 39.8–1.4 15.86S 166.61E 0 4.2,4.0b ¶12055759
ISCJB III 05 03 17 41.8–.76 16.08S–.05 166.6E–.10 26 3.8b,3.7s
ISC Event type ke.
ISCJB Event type ke.
IDC III 05 11 54 44.6–7.5 19.95S 169.44E 246–34 3.7,3.6b
¶12702491

IDC Error ellipse: s-maj=86.0km s-min=72.2km az=102.0.
ISC III 05 18 20 35.7–.44 13.36S–.05 167.73E–.05 48–2 4.7b,4.3s 161 9-166
IDC III 05 18 20 27.3–.68 13.22S 167.91E 0 4.7L,4.4 ¶11756950
ISCJB III 05 18 20 30.2–2.8 13.27S–.05 167.68E–.04 19–19 4.7b,4.5s
NEIC III 05 18 20 35.5–1.4 13.28S 167.73E 54–13 5.0b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=16.1km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.9km az=13.6.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.3km az=160.0.
IDC III 05 18 33 06.4–1.4 13.21S 167.89E 0 4.6s,4.6
¶12702508

IDC Error ellipse: s-maj=38.3km s-min=22.1km az=127.0.
ISC III 06 03 23 06.2–.69 13.19S–.07 166.7E–.10 44 4.1b,3.7s 34 8-96
IDC III 06 03 23 00.1–1.0 13.15S 166.61E 0 4.3,4.2b ¶12055822
ISCJB III 06 03 23 04.6–.62 13.25S–.06 166.60E–.10 44 4.1b,3.6s
NEIC III 06 03 23 06.4–1.8 13.29S 166.70E 48–15 4.4b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=20.2km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=8.5km az=174.7.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=13.3km az=77.0.
IDC III 06 05 18 41.3–2.0 13.91S 167.19E 217–19 3.8,3.7
¶12702541

IDC Error ellipse: s-maj=20.3km s-min=11.1km az=137.0.
ISC III 08 12 21 30.6–1.1 16.3S–.10 168.1E–.20 200 3.7b 22 6-127
AUST III 08 12 21 28.5 15.99S 168.45E 200 3.7b ¶15153104
IDC III 08 12 21 28.9–2.1 16.30S 168.01E 178–17 3.6,3.5b
ISCJB III 08 12 21 29.8–.77 16.33S–.10 168.0E–.10 200 3.6b,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC III 10 02 43 18.3–1.4 19.7S–.20 168.8E–.20 104 3.5b 15 3-145
NOU III 10 02 43 13.9–.62 19.33S 168.98E 10 3.0L,3.0 ¶12702841
IDC III 10 02 43 14.3–5.5 20.09S 169.48E 91–71 4.0L,3.5
ISCJB III 10 02 43 17.3–1.0 19.7S–.10 168.9E–.20 104 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC III 11 17 11 36.9–.97 18.40S–.08 167.6E–.10 25 4.2b 21 4-101
IDC III 11 17 11 32.8–1.2 18.33S 167.68E 0 4.4,4.3 ¶15153166
ISCJB III 11 17 11 35.5–.91 18.40S–.08 167.5E–.10 25 4.1b,3.4s
AUST III 11 17 11 53.2 17.48S 167.39E 200 4.1b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=20.5km az=142.0.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=10.9km az=3.3.
IDC III 12 07 10 48.9–1.8 14.65S 167.74E 29–6 3.9,3.9L
¶12703053

IDC Error ellipse: s-maj=50.2km s-min=22.0km az=123.0.
IDC III 12 20 29 39.8–4.4 14.61S 167.38E 181–41 3.8,3.6b
¶12703109

IDC Error ellipse: s-maj=30.5km s-min=24.8km az=157.0.
IDC III 12 22 06 41.2–54 14.23S 167.63E 0 4.3,4.1b
¶12703115

IDC Error ellipse: s-maj=920.5km s-min=112.0km az=65.0.
IDC III 13 14 38 38.5–1.5 19.34S 169.71E 236–10 3.8,3.6
¶12703177

IDC Error ellipse: s-maj=36.4km s-min=16.4km az=145.0.
IDC III 14 03 50 21.8–1.7 14.16S 166.91E 0 3.9,3.8L
¶12703221

IDC Error ellipse: s-maj=51.9km s-min=28.4km az=121.0.
IDC III 16 15 59 15.8–2.5 13.97S 167.57E 0 3.9s,3.9
¶12703427

IDC Error ellipse: s-maj=85.4km s-min=28.1km az=131.0.
ISC III 17 07 20 33.8–.53 18.37S–.05 168.21E–.08 63–3 4.7b 158 4-166
AUST III 17 07 20 11.9 16.50S 170.00E 25 4.7b ¶15153235
ISCJB III 17 07 20 28.6–3.3 18.22S–.06 168.24E–.08 29–23 4.7b,3.8s
MOS III 17 07 20 29.8–1.4 18.06S 168.03E 33 5.2b,3.8s
IDC III 17 07 20 30.4–5.5 18.19S 168.28E 33–40 4.6L,4.4
BJI III 17 07 20 31.0 17.97S 169.00E 65 5.0s,5.0b
NEIC III 17 07 20 35.0–1.1 18.15S 168.11E 70–9 4.5b,5.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=10.0km az=169.9.
MOS Error ellipse: s-maj=13.7km s-min=10.8km az=8.2.
IDC Error ellipse: s-maj=18.9km s-min=17.1km az=106.0.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=7.5km az=165.0. Felt at Port-Vila.
ISC III 17 20 01 47.1–1.1 14.81S–.08 167.3E–.20 150 3.8b 24 7-166
ISCJB III 17 20 01 46.9–1.2 14.80S–.07 167.1E–.20 150 3.8b ¶12703532
IDC III 17 20 01 47.2–4.8 14.77S 167.34E 152–44 3.8,3.6b
AUST III 17 20 01 53.1 14.50S 170.00E 450 3.8,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.9km s-min=8.8km az=172.7.
IDC Error ellipse: s-maj=36.8km s-min=26.1km az=157.0.
IDC III 19 10 33 12.2–3.2 18.40S 169.07E 200–31 3.7,3.5b
¶12703668

IDC Error ellipse: s-maj=28.3km s-min=20.3km az=179.0.
ISC III 20 06 20 41.0–.00 18.8S–.10 168.4E–.20 42 4.1b 29 4-147
IDC III 20 06 20 35.0–1.1 18.68S 168.40E 0 4.6,4.6s ¶12703786
NEIC III 20 06 20 40.2–.72 18.73S 168.41E 35 4.0b,4.6s
ISCJB III 20 06 20 40.9–1.7 18.86S–.08 168.2E–.20 42 4.7s,4.0b
ISC Event type se.

NEIC Event type se.
ISCJB Event type se.
ISC III 20 14 21 49.8–.38 18.42S–.04 167.46E–.05 48–2 4.9b,4.3s 195 4-165
IDC III 20 14 21 41.4–.98 19.00S 167.85E 0 4.7,4.6 ¶15153309
NOU III 20 14 21 44.0–.62 18.18S 167.57E 30 3.4,2.8L
ISCJB III 20 14 21 45.4–3.3 18.47S–.04 167.69E–.06 30–23 4.8b,4.3s
MOS III 20 14 21 46.6–1.3 18.17S 167.40E 33 5.3b,4.3s
NEIC III 20 14 21 49.3–.34 18.06S 167.46E 45 5.0b,4.3s
BJI III 20 14 21 51.9 18.00S 166.97E 46 5.1b,5.0s
DJA III 20 14 21 52.1–.60 18S–6.0 167E–8.0 10 5.2b,5.0
AUST III 20 14 21 58.1 17.49S 167.91E 200 5.2b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=16.5km az=159.0.
NOU Error ellipse: s-maj=7.1km s-min=24.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=7.1km az=14.8.
MOS Error ellipse: s-maj=12.4km s-min=10.5km az=168.5.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.0km az=150.0.
ISC III 21 06 49 12.2–1.0 13.65S–.09 166.4E–.20 39 4.0b 23 8-96
IDC III 21 06 49 06.4–1.4 13.51S 166.31E 0 4.2,4.0 ¶12635157
ISCJB III 21 06 49 10.8–.92 13.74S–.08 166.3E–.10 39 4.0b,3.3s
NEIC III 21 06 49 11.6–.90 13.56S 166.33E 35 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=26.4km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=10.1km az=164.9.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=16.1km az=67.0.
ISC III 24 16 53 08.1–.57 14.92S–.08 167.5E–.10 300 4.0b 46 7-166
IDC III 24 16 53 05.3–1.9 14.79S 167.38E 271–18 4.1,3.9b ¶15153391
ISCJB III 24 16 53 06.5–.50 14.79S–.06 167.47E–.08 300 4.1b,3.9b
AUST III 24 16 53 07.7–1.8 14.69S 167.48E 304–0 4.1b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=10.3km az=139.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=8.2km az=23.8.
AUST Error ellipse: s-maj=2.0km s-min=1.0km az=14.0.
IDC III 24 22 26 14.9–2.8 13.10S 167.34E 0 3.9,3.7b
¶12635495
IDC Error ellipse: s-maj=118.1km s-min=44.7km az=138.0.
IDC III 27 05 30 49.2–2.2 14.02S 167.64E 0 4.3,4.1b
¶12635678
IDC Error ellipse: s-maj=84.2km s-min=26.2km az=131.0.
IDC III 27 07 42 57.9–4.3 13.62S 167.22E 0 4.3,4.2b
¶12635690
IDC Error ellipse: s-maj=131.2km s-min=37.0km az=121.0.
IDC III 27 14 52 36.5–2.7 13.16S 167.22E 0 3.6b
¶12635703
IDC Error ellipse: s-maj=107.2km s-min=30.2km az=132.0.
ISC III 28 07 22 07.4–.76 18.2S–.10 169.30E–.09 300 3.8b 33 5-144
IDC III 28 07 22 04.9–3.2 17.95S 169.22E 269–32 4.0,3.8b ¶12635754
NEIC III 28 07 22 05.7–1.2 17.98S 169.19E 276–13 4.3b,3.8b
ISCJB III 28 07 22 06.8–.53 18.17S–.08 169.21E–.08 300 3.9b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC III 28 21 32 25.5–5.1 15.5S–.30 165.9E–.60 35 4.0b 9 7-39
IDC III 28 21 32 22.6–11 15.63S 165.69E 0 4.7L,4.3 ¶12635805
ISC Event type ke.
IDC Error ellipse: s-maj=207.2km s-min=33.6km az=57.0.
ISC III 29 23 38 54.1–.46 14.82S–.05 167.79E–.06 69–3 4.7b 124 7-166
IDC III 29 23 38 44.4–.71 14.61S 167.94E 0 4.6,4.5 ¶12066221
ISCJB III 29 23 38 50.9–1.5 14.68S–.06 167.78E–.05 52–13 4.7b,4.0s
MOS III 29 23 38 51.8–1.1 14.61S 167.74E 59 4.7b,4.0s
BJI III 29 23 38 54.2 14.48S 168.00E 80 5.2s,4.9b
NEIC III 29 23 38 56.0–.97 14.66S 167.76E 87–9 4.7b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=16.4km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=8.1km az=30.0.
MOS Error ellipse: s-maj=12.8km s-min=8.7km az=20.8.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.2km az=183.0.
IDC III 30 02 13 55.0–14 15.24S 165.82E 0 3.9,3.8b
¶12635903
IDC Error ellipse: s-maj=242.4km s-min=36.7km az=56.0.
ISC III 30 16 49 54.6–.49 18.11S–.06 168.20E–.10 32 4.6b,3.8s 111 4-167
SZGRF III 30 16 49 47.5 20.51S 169.52E 33 5.2b,3.8s ¶15153476
IDC III 30 16 49 49.7–.74 18.03S 168.22E 0 4.6,4.5
ISCJB III 30 16 49 53.5–.44 18.11S–.04 168.06E–.07 32 4.5b,3.8s
AUST III 30 16 49 53.9 17.99S 167.91E 0 4.5b,3.8s
NOU III 30 16 49 55.0–1.3 17.97S 168.06E 30 3.3L,3.1
NEIC III 30 16 49 55.8–.43 18.02S 168.04E 35 4.8b,3.1
ISC Event type se.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=22.8km s-min=15.8km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.3km az=7.6.
NOU Error ellipse: s-maj=22.6km s-min=79.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=10.0km az=138.0.
IDC IV 01 14 27 11.7–9.2 13.83S 166.68E 107–95 4.0L,3.7
¶16152227
IDC Error ellipse: s-maj=79.5km s-min=30.9km az=146.0.
ISC IV 01 18 31 31.4–.50 15.48S–.06 167.67E–.09 250 4.3b 90 7-155
NEIC IV 01 18 31 29.4–1.7 15.47S 167.80E 233–15 4.6b ¶12934218
ISCJB IV 01 18 31 30.1–.44 15.42S–.04 167.69E–.09 250 4.3b
IDC IV 01 18 31 32.9–1.6 15.49S 167.62E 261–16 4.0,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.3km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=6.1km az=5.6.
IDC Error ellipse: s-maj=12.6km s-min=9.7km az=121.0.
IDC IV 01 20 54 16.4–5.9 14.81S 167.23E 112–47 4.0s,4.0
¶16152242
IDC Error ellipse: s-maj=41.5km s-min=26.9km az=34.0.
ISC IV 02 09 58 09.9–.66 15.85S–.07 167.2E–.20 27 4.1b 30 6-166
IDC IV 02 09 58 05.8–.66 15.70S 167.31E 0 4.3,4.2L ¶12934327
ISCJB IV 02 09 58 08.0–.64 15.91S–.04 167.2E–.10 27 4.0b,3.5s
NOU IV 02 09 58 07.0–1.0 15.72S 166.92E 30–999 3.6L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=24.8km s-min=16.4km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=6.1km az=178.3.
NOU Error ellipse: s-maj=999.9km s-min=687.7km az=-1.0.
ISC IV 02 16 24 04.0–1.9 18.9S–.20 169.0E–.30 147 3.9b 13 4-90
NOU IV 02 16 24 03.9–.45 18.57S 168.83E 30–669 3.0L,3.0 ¶12934306
IDC IV 02 16 24 05.2–5.1 19.07S 169.05E 165–62 3.7,3.5
ISC Event type ke.
NOU Error ellipse: s-maj=70.8km s-min=45.5km az=-1.0.
IDC Error ellipse: s-maj=104.9km s-min=31.8km az=157.0.
IDC IV 03 15 22 42.5–2.0 17.16S 167.29E 0 3.9,3.6
¶16152319
IDC Error ellipse: s-maj=50.3km s-min=34.3km az=131.0.
ISC IV 04 07 29 44.7–.55 13.84S–.07 167.2E–.10 200 4.1b 64 8-166
ISCJB IV 04 07 29 43.4–.57 13.77S–.06 167.2E–.10 200 4.0b ¶12934502
NEIC IV 04 07 29 44.2–1.8 13.78S 167.23E 197–16 4.5b
IDC IV 04 07 29 46.0–1.9 13.88S 167.13E 210–18 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=7.5km az=9.8.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=10.6km az=152.0.
IDC Error ellipse: s-maj=17.5km s-min=11.2km az=127.0.
ISC IV 10 22 07 53.7–.66 13.6S–.10 167.3E–.10 200 3.8b 32 8-166
ISCJB IV 10 22 07 52.4–.63 13.60S–.09 167.2E–.10 200 3.8b ¶15153652
IDC IV 10 22 07 54.5–3.9 13.69S 167.13E 202–34 3.8,3.6
AUST IV 10 22 07 55.6–14 13.89S 167.42E 210–1 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=11.5km az=19.4.
IDC Error ellipse: s-maj=25.1km s-min=19.0km az=90.0.
AUST Error ellipse: s-maj=3.2km s-min=1.6km az=359.0.
IDC IV 12 04 24 07.4–5.4 18.50S 169.27E 228–50 3.5,3.5b
¶16152689
IDC Error ellipse: s-maj=96.2km s-min=37.1km az=163.0.
IDC IV 12 14 06 28.4–1.8 16.83S 168.47E 0 4.2,4.0b
¶16152714
IDC Error ellipse: s-maj=62.1km s-min=28.3km az=136.0.
IDC IV 13 17 42 47.2–13 14.98S 165.40E 0 3.7,3.6
¶16152771
IDC Error ellipse: s-maj=238.4km s-min=36.1km az=53.0.
ISC IV 15 03 11 17.1–.40 14.81S–.05 167.37E–.08 129 4.8b 149 7-166
NOU IV 15 03 11 12.5–.30 14.57S 168.55E 30 3.9 ¶15153726
ISCJB IV 15 03 11 15.9–.36 14.83S–.04 167.39E–.07 129 4.7b
IDC IV 15 03 11 19.0–1.5 14.86S 167.32E 146–12 4.4s,4.4
NEIC IV 15 03 11 25.3–1.6 14.92S 167.28E 204–14 4.8b,4.4
AUST IV 15 03 11 34.4–3.5 15.18S 167.06E 276–0 4.8b,4.4
ISC Event type se.
NOU Error ellipse: s-maj=12.8km s-min=115.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.2km az=169.7.
IDC Error ellipse: s-maj=13.0km s-min=10.7km az=78.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.2km az=213.0.
AUST Error ellipse: s-maj=2.0km s-min=1.5km az=28.0.
ISC IV 16 08 06 24.3–1.0 15.13S–.08 167.5E–.20 150 3.8b 14 7-166
NOU IV 16 08 06 16.8–1.5 15.05S 168.85E 30–999 4.3L,3.6 ¶12935376
ISCJB IV 16 08 06 23.5–.94 15.10S–.06 167.3E–.20 150 3.8b,3.6
IDC IV 16 08 06 23.4–5.7 15.14S 167.47E 140–57 3.8,3.7b
ISC Event type ke.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=31.4km s-min=7.9km az=1.1.
IDC Error ellipse: s-maj=53.4km s-min=30.4km az=143.0.
IDC IV 17 19 23 00.1–7.9 19.50S 169.27E 163–45 4.0s,4.0
¶16152943
IDC Error ellipse: s-maj=88.0km s-min=67.1km az=110.0.
ISC IV 18 12 21 30.9–.62 18.86S–.09 169.50E–.08 246 4.1b 55 4-167
ISCJB IV 18 12 21 28.4–.51 18.83S–.08 169.64E–.08 246 4.1b ¶15153795
NEIC IV 18 12 21 33.4–.71 18.93S 169.55E 281–7 4.6b
IDC IV 18 12 21 33.8–1.5 18.92S 169.52E 284–14 3.9,3.8
AUST IV 18 12 21 33.9 19.00S 170.00E 300 3.9,3.8
NOU IV 18 12 21 34.3–1.5 19.44S 170.22E 10–999 3.7L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=8.8km az=139.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.7km az=164.0.
IDC Error ellipse: s-maj=13.3km s-min=10.9km az=166.0.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IV 21 00 53 13.7–.29 19.79S–.04 169.98E–.03 40–2 5.4b,5.3s 884 4-167
NOU IV 21 00 53 07.4–.55 18.79S 169.61E 30 4.2,3.5L ¶15153866
ISCJB IV 21 00 53 10.1–1.2 19.74S–.03 169.95E–.03 20–8 5.3b,5.2s
MOS IV 21 00 53 11.9–1.2 19.76S 169.95E 33 5.6b,5.1s
BJI IV 21 00 53 12.9 19.38S 170.27E 39 5.8b,5.3s
IDC IV 21 00 53 12.7–5.5 19.80S 170.01E 30–37 5.1,5.1s
NEIC IV 21 00 53 13.5–.56 19.77S 169.94E 36–5 5.8W,5.6b
BGS IV 21 00 53 13.5–3.5 19.77S 169.94E 33 5.6b,5.6b
GCMT IV 21 00 53 14.8–.10 19.72S 170.04E 12 5.6W,5.6b
AUST IV 21 00 53 15.7–1.2 19.68S 170.10E 55–0 5.6W,5.6b
DJA IV 21 00 53 35.7–3.2 20S–7.0 170E–6.0 231–43 5.8b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=228, per= 50. Moment Tensor Solution. s92,c164; s56,c63; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.21±.03 $M_{\theta\theta}$0.98±.03; $M_{\phi\phi}$2.23±.03; $M_{r\theta}$0.51±.08; $M_{\theta\phi}$-1.62±.03; $M_{\phi r}$-0.09±.08; Best double couple: NP1:ϕ_s152.00000°,δ42.00000°,λ-80.00000°. NP2:ϕ_s319.00000°,δ49.00000°,λ-99.00000°. Principal axes: T 3.3600,Plg3.0000°,Azm55.0000°; N -0.0900,Plg7.0000°,Azm325.0000° ; P -3.2700,Plg83.0000°,Azm170.0000° $M_0$3.30000×10^{17}
ISC IV 21 01 18 38.1–.46 19.9S–.10 170.00E–.08 39–3 4.4b,4.4s 92 4-167
IDC IV 21 01 18 32.2–.70 19.87S 170.08E 0 4.6,4.5 ¶12842933
ISCJB IV 21 01 18 36.1–1.4 19.93S–.10 170.04E–.07 36–13 4.4b,4.2s
NEIC IV 21 01 18 38.4–1.1 19.95S 170.03E 44–10 4.9b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=16.8km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=9.0km az=155.8.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.8km az=159.0.
ISC IV 21 04 33 48.3–2.9 19.5S–.40 169.7E–.40 10 4.2b 13 4-145
NOU IV 21 04 33 46.4–1.2 18.89S 169.62E 30 3.4,2.7L ¶12935907
IDC IV 21 04 33 46.5–4.1 19.43S 169.76E 0 4.1,3.9
ISC Event type ke.
NOU Error ellipse: s-maj=34.7km s-min=47.5km az=-1.0.
IDC Error ellipse: s-maj=113.1km s-min=53.5km az=138.0.
ISC IV 22 01 48 25.9–.24 13.72S–.03 167.28E–.03 194–1 5.2b 1259 8-166
MOS IV 22 01 48 22.9–.95 13.60S 167.21E 171 5.2b ¶15153903
BJI IV 22 01 48 25.1 13.38S 167.40E 194 5.5b,5.3b
IDC IV 22 01 48 26.3–.49 13.75S 167.18E 194–4 4.9,4.9
NEIC IV 22 01 48 26.2–.11 13.65S 167.21E 195 5.1b,4.9
ISCJB IV 22 01 48 27.1–.73 13.69S–.03 167.17E–.02 213–6 5.1b,4.9
AUST IV 22 01 48 28.8–.56 13.66S 167.22E 216–0 5.1b,4.9
GCMT IV 22 01 48 28.9–.10 13.73S 167.06E 198–1 5.3W,4.9
DJA IV 22 01 48 33.9–2.5 14S–6.0 167E–6.0 275–37 5.3b,5.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s77,c114; s97,c157; Moment tensor: Scale 10^{17}Nm; M_{rr}1.11±.02 $M_{\theta\theta}$-0.15±.02; $M_{\phi\phi}$-0.96±.02; $M_{r\theta}$0.37±.02; $M_{\theta\phi}$0.31±.02; $M_{\phi r}$-0.26±.02; Best double couple: NP1:ϕ_s352.00000°,δ37.00000°,λ109.00000°. NP2:ϕ_s149.00000°,δ56.00000°,λ77.00000°. Principal axes: T 1.2200,Plg75.0000° ,Azm19.0000°; N -0.1000,Plg11.0000°,Azm157.0000°; P -1.1300,Plg10.0000° ,Azm249.0000° $M_0$1.20000×10^{17}
ISC IV 22 03 34 32.0–.62 13.2S–.10 167.9E–.10 35 4.2b 40 9-167
IDC IV 22 03 34 26.8–.77 13.05S 167.80E 0 4.3,4.2 ¶12935982
ISCJB IV 22 03 34 30.1–.49 13.23S–.09 167.85E–.09 33 4.2b,3.4s
NEIC IV 22 03 34 34.8–1.3 13.24S 167.84E 62–12 4.4b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=16.5km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=9.9km az=44.1.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.2km az=133.0.
ISC IV 22 19 35 56.7–4.4 18.2S–.30 168.4E–.30 59–45 4.1b,3.7s 16 4-124
IDC IV 22 19 35 49.2–1.8 17.85S 168.28E 0 4.6L,4.3 ¶12842935
NOU IV 22 19 35 54.2–1.7 18.01S 168.61E 30 3.5L,3.3
ISCJB IV 22 19 35 56.5–2.5 18.3S–.20 168.4E–.30 75–28 3.8b,3.3
ISC Event type ke.
ISCJB Event type ke.
IDC IV 24 18 53 11.0–7.4 17.28S 168.56E 101–74 4.2L,4.0
¶16153347
IDC Error ellipse: s-maj=72.7km s-min=32.0km az=158.0.
NOU IV 24 21 40 09.9–1.5 20.41S 169.96E 30 2.9,2.9s
IDC IV 24 21 40 04.6–3.5 22.29S 170.63E 0 4.1L,3.9 ¶12936057
NOU Error ellipse: s-maj=56.2km s-min=34.8km az=-1.0.
IDC Error ellipse: s-maj=153.3km s-min=43.3km az=164.0.
ISC IV 25 07 19 23.6–.68 13.09S–.08 166.4E–.10 44 4.0b,3.6s 34 7-165
IDC IV 25 07 19 16.9–.94 13.08S 166.45E 0 4.6L,4.2 ¶12842951
ISCJB IV 25 07 19 21.6–.78 13.13S–.07 166.3E–.10 44 4.0b,3.6s
NEIC IV 25 07 19 22.7–2.1 13.12S 166.37E 38–17 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=23.2km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=9.1km az=169.3.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=15.2km az=67.0.
IDC IV 25 12 49 26.5–3.2 20.00S 169.73E 0 3.7L,3.6
¶16153378
IDC Error ellipse: s-maj=133.4km s-min=31.2km az=143.0.
IDC IV 26 11 41 54.4–.96 13.30S 167.14E 207–8 3.7,3.6
¶16154516
IDC Error ellipse: s-maj=19.2km s-min=13.0km az=106.0.
IDC IV 27 03 36 34.1–10.0 13.91S 168.88E 0 4.2,4.1b
¶16154542

IDC Error ellipse: s-maj=162.1km s-min=44.8km az=73.0.
ISC V 01 14 49 54.8–.75 17.36S–.06 167.7E–.10 19 4.1b,3.7s 39 5-166
AUST V 01 14 49 26.2–38 16.58S 170.89E 0–8 4.1b,3.7s ¶12866391
ISCJB V 01 14 49 52.4–.76 17.33S–.04 167.6E–.10 19 4.0b,3.8s
NOU V 01 14 49 55.2–1.3 17.23S 167.88E 30 3.6L,3.3
IDC V 01 14 49 56.4–.84 17.20S 167.78E 40–6 4.5L,4.0
ISC Event type ke.
AUST Error ellipse: s-maj=6.8km s-min=3.8km az=249.0.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=6.2km az=178.0.
NOU Error ellipse: s-maj=17.7km s-min=58.4km az=-1.0.
IDC Error ellipse: s-maj=24.3km s-min=17.5km az=87.0.
IDC V 02 11 02 04.0–9.0 15.44S 167.89E 200–78 3.8,3.7b
¶16154832

IDC Error ellipse: s-maj=155.4km s-min=66.2km az=87.0.
ISC V 03 01 10 01.6–.78 19.24S–.08 168.4E–.10 42 4.4b,3.5s 59 3-166
IDC V 03 01 09 56.5–1.0 19.08S 168.27E 0 4.4,4.3 ¶13678259
NOU V 03 01 09 58.5–1.3 19.05S 168.46E 30 3.4L,2.9
NEIC V 03 01 09 58.4–7.1 19.17S 168.53E 23–46 4.6b,2.9
ISCJB V 03 01 10 00.2–.76 19.24S–.05 168.3E–.10 42 4.3b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 05 08 48 18.1–2.5 14.67S 167.77E 0 4.3,4.2L
¶16154923

IDC Error ellipse: s-maj=64.1km s-min=25.7km az=100.0.
ISC V 05 11 50 55.9–1.2 19.5S–.10 169.6E–.10 35 3.5b 18 4-145
ISCJB V 05 11 50 55.3–1.1 19.46S–.08 169.5E–.10 33 3.8b ¶13678392
IDC V 05 11 51 01.9–4.2 19.51S 169.17E 88–34 3.8,3.7
NOU V 05 11 51 02.1–2.1 19.97S 169.82E 30 3.6L,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=8.2km az=32.1.
IDC Error ellipse: s-maj=31.2km s-min=27.6km az=62.0.
NOU Error ellipse: s-maj=73.9km s-min=60.2km az=-1.0.
IDC V 06 05 57 41.0–1.4 15.06S 166.33E 0 4.4,4.3
¶16155438

IDC Error ellipse: s-maj=35.5km s-min=25.2km az=126.0.
ISC V 06 06 04 29.1–2.3 19.7S–.40 170.0E–.40 35 4.1s,4.0b 13 4-145
IDC V 06 06 04 23.5–3.8 19.82S 170.04E 0 4.2,4.0b ¶16155439
ISCJB V 06 06 04 27.6–2.1 19.6S–.30 169.8E–.40 33 4.0b,3.9s
NOU V 06 06 04 38.5–1.6 23.06S 170.68E 30 3.0,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=133.4km s-min=26.3km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=68.9km s-min=7.5km az=40.7.
NOU Error ellipse: s-maj=172.9km s-min=42.5km az=-1.0.
IDC V 07 05 13 05.3–4.2 14.73S 167.41E 143–36 3.8,3.7
¶16155471

IDC Error ellipse: s-maj=28.2km s-min=24.5km az=66.0.
ISC V 07 06 48 07.2–2.7 19.0S–.10 169.0E–.10 101–23 4.3b 41 4-125
IDC V 07 06 48 06.3–4.0 18.94S 168.91E 93–34 4.3,4.1b ¶13678485
NEIC V 07 06 48 07.4–2.5 18.93S 168.99E 106–20 4.5b,4.1b
NOU V 07 06 48 08.0–.73 18.85S 168.81E 30 3.7L,3.2
ISCJB V 07 06 48 08.1–2.1 19.1S–.10 168.8E–.10 118–16 4.3b,3.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC V 07 11 25 45.9–3.1 19.9S–.20 169.4E–.20 93–26 3.8b 21 3-145
IDC V 07 11 25 45.7–4.4 19.84S 169.46E 91–37 3.9,3.7 ¶13678495
ISCJB V 07 11 25 46.9–2.0 20.0S–.20 169.3E–.20 113–16 3.9b,3.7
NOU V 07 11 25 47.6–.82 19.58S 169.12E 30 3.6L,2.6
ISC Event type ke.
IDC Error ellipse: s-maj=30.4km s-min=24.5km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=32.6km s-min=20.2km az=44.5.
NOU Error ellipse: s-maj=20.0km s-min=23.0km az=-1.0.
IDC V 07 23 36 27.9–10 14.48S 167.16E 180–95 3.4,3.3
¶16155498

IDC Error ellipse: s-maj=92.6km s-min=45.6km az=158.0.
IDC V 08 19 00 55.2–9.1 14.85S 167.31E 118–82 4.0L,3.6
¶16155525

IDC Error ellipse: s-maj=75.6km s-min=49.1km az=155.0.
IDC V 09 09 11 05.3–6.8 18.23S 167.60E 194–99 4.2s,4.2
¶16155542

IDC Error ellipse: s-maj=134.2km s-min=42.9km az=145.0.
IDC V 09 11 23 48.9–2.6 13.59S 167.82E 0 3.8,3.7
¶16155544

IDC Error ellipse: s-maj=91.0km s-min=37.3km az=133.0.
IDC V 10 10 13 12.7–1.4 13.80S 166.37E 0 4.0,3.8
¶16155583

IDC Error ellipse: s-maj=41.8km s-min=28.1km az=124.0.
ISC V 10 22 06 49.7–.88 18.24S–.09 168.0E–.20 37–2 4.2b 36 4-124
NOU V 10 22 06 48.0–1.4 18.02S 167.89E 30 4.3L,3.5 ¶13678712
ISCJB V 10 22 06 48.6–1.7 18.27S–.06 167.9E–.10 39–13 4.2b,3.6s
NEIC V 10 22 06 49.6–1.7 18.21S 168.03E 38–14 4.3b,3.6s
IDC V 10 22 06 49.8–4.5 18.20S 168.04E 39–36 4.4L,4.3
ISC Event type fe.
NOU Error ellipse: s-maj=17.8km s-min=50.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=18.2km s-min=10.2km az=172.3.
NEIC Event type fe. Error ellipse: s-maj=16.9km s-min=11.6km az=62.0. Felt at Port-Vila.
IDC Error ellipse: s-maj=32.0km s-min=26.9km az=109.0.
ISC V 11 00 04 59.6–4.4 17.1S–.20 167.2E–.50 25 3.7b 11 5-32
NOU V 11 00 04 55.1–1.5 16.64S 167.38E 30 3.5L,3.4 ¶13678716
IDC V 11 00 04 59.6–13 17.19S 166.74E 0 4.7L,4.2
ISC Event type ke.
NOU Error ellipse: s-maj=16.9km s-min=72.9km az=-1.0.
IDC Error ellipse: s-maj=235.2km s-min=37.0km az=64.0.
IDC V 11 17 46 36.4–9.2 18.43S 169.98E 256–52 3.4,3.3
¶16155641

IDC Error ellipse: s-maj=114.6km s-min=79.8km az=110.0.
IDC V 12 09 41 25.1–2.0 14.50S 167.93E 0 4.1,3.9
¶16155668

IDC Error ellipse: s-maj=58.5km s-min=31.2km az=125.0.
ISC V 12 10 01 19.6–.66 14.65S–.08 167.4E–.10 170 4.0b 37 7-166
AUST V 12 10 00 46.1 13.50S 170.51E 100 4.0b ¶16155670
IDC V 12 10 01 18.1–3.3 14.58S 167.36E 153–28 4.0,3.9
ISCJB V 12 10 01 18.2–.64 14.59S–.06 167.4E–.10 170 4.0b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC V 13 00 58 02.7–1.7 18.7S–.20 169.3E–.30 240 4.0b 17 4-100
IDC V 13 00 58 03.5–2.4 18.75S 169.27E 246–31 3.8,3.6 ¶16155693
AUST V 13 00 59 09.5–15 19.81S 164.25E 578–1 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=71.3km s-min=21.3km az=142.0.
AUST Error ellipse: s-maj=2.5km s-min=1.5km az=1.0.
IDC V 14 11 17 04.1–24 18.45S 167.18E 0 4.9L,4.3
¶16155741

IDC Error ellipse: s-maj=415.5km s-min=50.2km az=85.0.
ISC V 14 23 13 36.4–.93 20.40S–.09 169.65E–.07 134–6 4.3b 83 3-166
NOU V 14 23 13 34.5–.89 20.24S 169.85E 30 4.0L,2.9 ¶15154319
ISCJB V 14 23 13 35.2–1.3 20.38S–.09 169.63E–.07 131–9 4.2b,2.9
IDC V 14 23 13 36.7–3.0 20.40S 169.67E 136–25 4.2,4.1
NEIC V 14 23 13 36.9–1.8 20.39S 169.63E 139–15 4.4b,4.1
AUST V 14 23 13 41.4–4.6 20.53S 169.84E 184–0 4.4b,4.1
ISC Event type se.
NOU Error ellipse: s-maj=35.9km s-min=24.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=11.0km az=7.3.
IDC Error ellipse: s-maj=18.0km s-min=15.5km az=49.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.1km az=211.0.
AUST Error ellipse: s-maj=4.8km s-min=2.4km az=248.0.
ISC V 15 07 49 12.5–1.6 18.01S–.09 168.0E–.30 69 4.2b 13 4-90
NOU V 15 07 49 07.4–2.3 18.15S 168.76E 0–999 3.4,3.0s ¶13678982
ISCJB V 15 07 49 11.0–1.3 17.97S–.06 167.9E–.20 69 4.4b,3.0s
IDC V 15 07 49 12.8–5.3 18.05S 167.99E 72–56 4.1,4.1L

ISC Event type ke.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=28.9km s-min=7.8km az=6.5.
IDC Error ellipse: s-maj=48.5km s-min=30.8km az=139.0.
IDC V 15 08 24 01.9–70 14.15S 165.24E 0 4.0,3.8
¶16155764

IDC Error ellipse: s-maj=1184.0km s-min=104.5km az=63.0.
IDC V 16 18 54 26.3–5.1 15.93S 165.11E 0 4.3,4.3
¶16155818

IDC Error ellipse: s-maj=91.3km s-min=28.0km az=63.0.
IDC V 17 07 15 42.1–65 14.89S 165.37E 0 3.9,3.7
¶16155834

IDC Error ellipse: s-maj=1088.0km s-min=105.6km az=65.0.
IDC V 19 06 57 08.2–70 17.24S 169.83E 0 4.2,4.0
¶16155896

IDC Error ellipse: s-maj=1194.0km s-min=123.1km az=71.0.
IDC V 19 14 32 07.8–3.2 13.32S 166.95E 181–28 3.6s,3.6
¶16155908

IDC Error ellipse: s-maj=42.6km s-min=24.4km az=137.0.
IDC V 19 22 33 28.4–7.9 14.82S 167.39E 97–67 4.0L,3.8
¶16155922

IDC Error ellipse: s-maj=56.8km s-min=36.8km az=4.0.
ISC V 21 21 43 25.8–.45 13.42S–.05 167.05E–.07 100–2 4.8b 186 8-166
NOU V 21 21 43 17.2–.30 12.84S 167.85E 30 3.3L ¶15154452
ISCJB V 21 21 43 23.1–1.5 13.36S–.05 166.95E–.08 85–12 4.7b
NEIC V 21 21 43 24.9–.33 13.42S 167.01E 93 5.0b
IDC V 21 21 43 24.9–.91 13.45S 167.00E 90–6 4.2,4.1b
BJI V 21 21 43 25.8 13.03S 166.85E 93 5.0b,4.9b
AUST V 21 21 44 09.6 14.43S 165.39E 450 5.0b,4.9b
ISC Event type se.
NOU Error ellipse: s-maj=18.1km s-min=76.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=7.2km az=161.3.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.9km az=111.0.
IDC Error ellipse: s-maj=16.8km s-min=13.6km az=116.0.
IDC V 24 00 55 05.3–5.8 18.42S 170.33E 0 3.6,3.4
¶16156070

IDC Error ellipse: s-maj=332.4km s-min=75.3km az=156.0.
IDC V 24 09 40 15.2–2.2 14.27S 166.65E 0 3.9,3.7
¶16156092

IDC Error ellipse: s-maj=111.7km s-min=28.4km az=138.0.
ISC V 25 17 06 26.2–.73 15.00S–.06 167.4E–.10 129 3.9b 33 7-166
NOU V 25 17 06 15.8–.32 14.92S 169.75E 30 3.8,3.3L ¶16156153
ISCJB V 25 17 06 24.8–.62 15.01S–.04 167.36E–.09 129 3.9b,3.3L
IDC V 25 17 06 25.6–2.2 14.98S 167.34E 120–18 3.9,3.9
ISC Event type ke.
NOU Error ellipse: s-maj=9.3km s-min=23.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=5.5km az=165.5.
IDC Error ellipse: s-maj=19.5km s-min=11.4km az=70.0.
ISC V 26 15 57 07.4–.55 17.91S–.05 166.95E–.08 20 4.3b,3.8s 62 4-100
IDC V 26 15 57 03.2–.88 17.97S 167.06E 0 5.0L,4.5 ¶15155521
ISCJB V 26 15 57 05.1–.49 17.89S–.04 167.05E–.07 20 4.2b,3.7s
BJI V 26 15 57 08.8 17.90S 167.00E 35 5.1s,4.9b
NEIC V 26 15 57 08.8–.52 17.92S 166.98E 35 4.7b,4.9b
AUST V 26 15 57 10.5–.03 17.73S 167.13E 60–0 4.7b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=17.4km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.8km az=171.1.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=10.2km az=200.0.
AUST Error ellipse: s-maj=1.5km s-min=1.1km az=39.0.
IDC V 26 21 03 52.0–7.7 19.94S 168.85E 177–41 3.9,3.7
¶16156193

IDC Error ellipse: s-maj=107.3km s-min=72.1km az=126.0.
IDC V 27 13 52 59.9–8.1 18.79S 169.78E 247–47 3.4,3.3
¶16156227

IDC Error ellipse: s-maj=96.7km s-min=78.6km az=114.0.
ISC V 27 16 41 05.2–1.3 19.4S–.10 169.2E–.20 104 4.0b 14 4-90
ISCJB V 27 16 41 03.1–1.1 19.3S–.10 169.3E–.10 104 4.0b ¶13679753
NOU V 27 16 41 03.5–.61 19.07S 169.25E 30 3.2,3.1L
IDC V 27 16 41 10.6–2.9 19.71S 169.03E 153–22 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.0km s-min=9.8km az=39.2.
NOU Error ellipse: s-maj=16.5km s-min=19.9km az=-1.0.
IDC Error ellipse: s-maj=27.2km s-min=25.7km az=173.0.
IDC V 27 18 17 04.6–65 18.24S 168.53E 0 4.5,4.3b
¶16156233

IDC Error ellipse: s-maj=1088.0km s-min=109.4km az=72.0.
IDC V 28 11 52 50.4–3.5 17.56S 167.73E 0 3.6,3.5
¶16156264

IDC Error ellipse: s-maj=74.5km s-min=32.7km az=96.0.
ISC V 29 06 20 16.4–.32 17.08S–.04 168.49E–.04 27–1 5.5s,5.4b 538 5-168
NOU V 29 06 20 10.1–1.9 16.57S 168.62E 30 4.2,3.4L ¶15246573
IDC V 29 06 20 11.7–.47 16.99S 168.46E 0 5.3,5.3s
ISCJB V 29 06 20 12.4–1.8 17.04S–.03 168.32E–.03 8–11 5.5s,5.2b
BJI V 29 06 20 14.4 17.00S 168.40E 30 5.6s,5.6b
NEIC V 29 06 20 14.6–.17 17.03S 168.33E 13 5.6W,5.5b
MOS V 29 06 20 16.5–1.3 16.96S 168.25E 33 5.5s,5.4b
AUST V 29 06 20 17.0–4.1 17.14S 168.41E 17–0 5.5s,5.4b
GCMT V 29 06 20 17.6–.10 16.90S 168.42E 12 5.7W,5.4b
DJA V 29 06 21 04.3–4.3 18S–13 166E–30 319–36 5.4b,4.9
ISC Event type de.
ISCJB Event type de.
NEIC Event type de. Ten people injured, several buildings damaged or destroyed, several roads damaged, water utilities disrupted and landslides occurred on Tongoa. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.13 $M_{\theta\theta}$2.54 $M_{\phi\phi}$-2.68 $M_{r\theta}$0.39 $M_{\theta\phi}$-1.58 $M_{\phi r}$-0.88 Best double couple: NP1:ϕ_s61.00000°,δ73.00000°,λ-180.00000°. NP2:ϕ_s331.00000°,δ90.00000°,λ-17.00000°. Principal axes: T 3.1100,Plg12.0000°,Azm17.0000°; N 0.1700,Plg72.0000°,Azm149.0000°; P -3.2900,Plg12.0000°,Azm284.0000° M_o3.20000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=123, comp=263, per= 50. Moment Tensor Solution. s107,c209; s39,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45±.04 $M_{\theta\theta}$3.34±.04; $M_{\phi\phi}$-2.89±.04; $M_{r\theta}$1.00±.11; $M_{\theta\phi}$-2.84±.04; $M_{\phi r}$0.97±.11; Best double couple: NP1:ϕ_s155.00000°,δ72.00000°,λ-8.00000°. NP2:ϕ_s247.00000°,δ82.00000°,λ-162.00000°. Principal axes: T 4.5100,Plg7.0000°,Azm20.0000°; N -0.1100,Plg71.0000°,Azm270.0000°; P -4.4000,Plg18.0000°,Azm112.0000° M_o4.50000×10^{17}
ISC V 29 07 42 26.6–1.2 17.0S–.10 168.4E–.20 35 3.9b 11 5-100
IDC V 29 07 42 21.6–1.4 16.92S 168.37E 0 4.3,4.0 ¶16156299
ISCJB V 29 07 42 24.7–1.0 16.99S–.08 168.3E–.20 33 4.0s,3.9b
ISC Event type ke.
ISCJB Event type ke.
IDC V 29 11 27 17.9–5.2 14.77S 167.24E 127–45 3.4,3.2
¶16156307

IDC Error ellipse: s-maj=36.4km s-min=30.9km az=20.0.
IDC V 31 07 07 37.6–4.1 18.39S 169.22E 192–46 3.7,3.6b
¶16066109

IDC Error ellipse: s-maj=74.6km s-min=29.3km az=152.0.
IDC VI 01 03 02 16.8–1.8 14.73S 166.82E 0 3.8,3.6L
¶16066142

IDC Error ellipse: s-maj=49.8km s-min=30.6km az=134.0.
IDC VI 01 14 52 24.6–2.2 16.18S 168.05E 182–16 4.0,3.9b
¶16066170

IDC Error ellipse: s-maj=23.7km s-min=14.3km az=55.0.
ISC VI 01 18 43 12.5–1.5 17.03S–.09 167.0E–.20 25 4.0b 11 5-100
IDC VI 01 18 43 08.9–1.5 16.79S 166.87E 0 4.3,4.3L ¶16066177
ISCJB VI 01 18 43 11.2–1.0 17.08S–.06 166.9E–.20 25 3.9b,4.3L
ISC Event type ke.
ISCJB Event type ke.
ISC VI 01 21 25 27.3–.33 17.90S–.04 167.82E–.05 71–2 4.9b 434 4-167
SZGRF VI 01 21 25 14.0 20.55S 169.15E 33 4.9b ¶12872801
IDC VI 01 21 25 17.8–.43 17.81S 167.90E 0 4.8,4.8
MOS VI 01 21 25 22.9–1.1 17.72S 167.72E 40 5.3b,4.8
NEIC VI 01 21 25 23.3–.17 17.73S 167.79E 35 5.0b,4.8

DJA VI 01 21 25 23.3–.60 18S–6.0 168E–9.0 15 5.4b,4.9b
BGS VI 01 21 25 23.2–3.9 17.73S 167.79E 33 5.0b,4.9b
ISCJB VI 01 21 25 25.6–.21 17.85S–.04 167.79E–.05 70 4.8b,4.9b
GCMT VI 01 21 25 26.1–.20 17.72S 167.68E 20–0 5.2W,4.9b
BJI VI 01 21 25 26.0 17.69S 168.03E 74 5.0s,5.0b
ISC Event type fe.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=15.0km s-min=12.7km az=102.0.
MOS Error ellipse: s-maj=9.7km s-min=8.4km az=32.3.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=5.0km az=142.0. Felt at Port-Vila.
BGS Error ellipse: s-maj=716.3km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.4km az=31.8.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s73,c102; s86,c142; Moment tensor: Scale 10^{16}Nm; M_{rr}5.50±.17 $M_{\theta\theta}$0.32±.12; $M_{\phi\phi}$-5.82±.13; $M_{r\theta}$2.05±.25; $M_{\theta\phi}$0.62±.08; $M_{\phi r}$-4.37±.23; Best double couple: NP1:ϕ_s7.00000°,δ27.00000°,λ113.00000°. NP2:ϕ_s162.00000°,δ65.00000°,λ79.00000°. Principal axes: T 7.4200,Plg68.0000° ,Azm51.0000°; N 0.0900,Plg10.0000°,Azm166.0000°; P -7.5200,Plg20.0000°,Azm260.0000° M_o7.50000×10^{16}

ISC VI 02 02 17 06.0–.21 17.81S–.03 168.01E–.04 32 6.2s,5.6b 1102 4-168
SZGRF VI 02 02 16 57.9 20.31S 169.69E 33 6.3b,5.6b **¶13439868**
BGS VI 02 02 16 59.0–7.5 17.76S 167.95E 10 6.1s,5.6b
IDC VI 02 02 17 01.0–.34 17.80S 167.93E 0 6.1,6.1s
BJI VI 02 02 17 01.9 17.52S 168.38E 18 6.3s,6.2b
LDG VI 02 02 17 02.8–.10 17.63S 167.68E 10 6.1s,5.9b
NEIC VI 02 02 17 03.5–.10 17.76S 167.95E 15 6.3W,6.2s
ISCJB VI 02 02 17 04.8–.14 17.78S–.02 167.90E–.03 32 6.2s,5.5b
MOS VI 02 02 17 06.6–1.0 17.54S 167.88E 37 6.1s,5.5b
TEH VI 02 02 17 07.0 17.76S 167.88E 40 6.5L,5.5b
GCMT VI 02 02 17 11.8–.10 17.73S 167.64E 20–0 6.3W,5.5b
DJA VI 02 02 17 13.1–1.5 18S–4.0 168E–9.0 85–15 6.3b,6.0
ISC Event type de.
SZGRF Vanuatu Islands.
LDG Event type ke.
NEIC Event type de. Four people injured, some buildings damaged, utilities disrupted and landslides occurred on Tongoa. Felt [III] at Port-Vila. Also felt at Lakatoro, Luganville and Norsup. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s165.00000°,δ75.00000°,λ90.00000°. NP2:ϕ_s345.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm75.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000° ,Azm255.0000° Moment Tensor Solution. M_o6.50000×10^{18}
ISCJB Event type de.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 110 sta. Surface waves: sta=126, comp=305, per= 50. Moment Tensor Solution. s121,c309; s99,c207; Moment tensor: Scale 10^{18}Nm; M_{rr}2.85±.02 $M_{\theta\theta}$0.21±.02; $M_{\phi\phi}$-3.06±.02; $M_{r\theta}$0.98±.04; $M_{\theta\phi}$0.35±.01; $M_{\phi r}$-2.76±.04; Best double couple: NP1:ϕ_s5.00000°,δ24.00000°,λ109.00000°. NP2:ϕ_s164.00000°,δ67.00000°,λ82.00000°. Principal axes: T 4.1000,Plg67.0000° ,Azm60.0000°; N 0.1600,Plg7.0000°,Azm167.0000°; P -4.2600,Plg22.0000°,Azm260.0000° M_o4.20000×10^{18}

IDC VI 02 02 26 38.2–1.6 17.66S 167.84E 0 5.3,5.3s
¶13439869
IDC Error ellipse: s-maj=53.9km s-min=27.5km az=134.0.
ISC VI 02 02 26 56.2–.36 17.90S–.04 167.97E–.05 35–1 5.7s,5.4b 504 4-166
SZGRF VI 02 02 26 48.0 20.38S 169.52E 33 5.7s,5.4b **¶16066189**
IDC VI 02 02 26 50.8–.41 17.79S 167.85E 0 5.7s,5.7
NEIC VI 02 02 26 53.4–1.5 17.76S 167.86E 15–9 5.5b,5.7
ISCJB VI 02 02 26 54.0–2.4 17.86S–.04 167.84E–.04 30–16 5.6s,5.3b
BJI VI 02 02 26 54.4 17.36S 168.55E 29 6.0s,5.8b
MOS VI 02 02 26 54.4–1.5 17.75S 167.69E 28 5.8s,5.7b
TEH VI 02 02 26 57.0 17.76S 167.80E 35 5.6L,5.7b
GCMT VI 02 02 27 00.7–.20 17.74S 167.62E 18–1 5.7W,5.7b
ISC Event type se.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=13.9km s-min=12.3km az=112.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.6km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=6.1km az=35.3.
MOS Error ellipse: s-maj=9.2km s-min=8.2km az=32.2.
GCMT Event type se. Data Used: IU II CN IC G. Moment Tensor Solution. s12,c12; s88,c163; Moment tensor: Scale 10^{17}Nm; M_{rr}2.50±.21 $M_{\theta\theta}$0.17±.11; $M_{\phi\phi}$-2.66±.13; $M_{r\theta}$1.38±.35; $M_{\theta\phi}$0.19±.06; $M_{\phi r}$-2.87±.35; Best double couple: NP1:ϕ_s12.00000°,δ22.00000°,λ121.00000°. NP2:ϕ_s160.00000°,δ71.00000°,λ78.00000°. Principal axes: T 4.1400,Plg62.0000° ,Azm52.0000°; N -0.0600,Plg11.0000°,Azm163.0000°; P -4.0700,Plg25.0000° ,Azm259.0000° M_o4.10000×10^{17}

IDC VI 02 02 44 52.6–2.3 17.63S 167.65E 0 3.9,3.8L
¶16066191
IDC Error ellipse: s-maj=56.9km s-min=40.7km az=122.0.
ISC VI 02 02 50 30.8–.44 17.66S–.08 167.66E–.09 19 4.6b 71 5-166
SZGRF VI 02 02 50 23.4 20.90S 168.40E 33 4.6b **¶13568730**
IDC VI 02 02 50 27.4–.68 17.65S 167.76E 0 4.5,4.4
ISCJB VI 02 02 50 29.0–.44 17.67S–.08 167.66E–.08 19 4.5b,4.4
NEIC VI 02 02 50 33.1–1.6 17.67S 167.69E 38–15 5.0b,4.4
DJA VI 02 02 50 47.4–1.9 18S–8.0 167E–10 111–18 5.3,5.3b
ISC Event type se.
SZGRF Loyalty Islands.
ISCJB Event type se.
NEIC Event type se.

ISC VI 02 02 55 14.9–.43 17.86S–.05 167.94E–.06 35–2 5.1s,5.0b 404 4-166
SZGRF VI 02 02 55 05.8 20.97S 169.43E 33 5.1s,5.0b **¶13439871**
IDC VI 02 02 55 09.5–.41 17.85S 167.98E 0 5.0,5.0s
ISCJB VI 02 02 55 11.0–2.8 17.83S–.05 167.87E–.05 16–19 5.1s,4.9b
DJA VI 02 02 55 11.5–.60 18S–8.0 170E–13 10 5.6,5.6b
MOS VI 02 02 55 13.3–1.3 17.77S 167.84E 30 5.3b,5.6b
NEIC VI 02 02 55 14.8–1.5 17.78S 167.89E 34–10 5.1b,5.6b
BJI VI 02 02 55 15.9 17.70S 167.80E 35 5.6s,5.2
GCMT VI 02 02 55 17.9–.30 17.77S 167.57E 28–1 5.5W,5.2
ISC Event type fe.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=15.8km s-min=13.2km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=7.6km az=150.8.
MOS Error ellipse: s-maj=9.8km s-min=8.7km az=175.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.5km az=149.0. Felt at Lakatoro and Port-Vila.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s27,c41; s62,c99; Moment tensor: Scale 10^{17}Nm; M_{rr}1.46±.10 $M_{\theta\theta}$0.14±.06; $M_{\phi\phi}$-1.61±.07; $M_{r\theta}$0.50±.13; $M_{\theta\phi}$0.29±.04; $M_{\phi r}$-1.43±.10; Best double couple: NP1:ϕ_s360.00000°,δ24.00000°,λ105.00000°. NP2:ϕ_s163.00000°,δ67.00000°,λ84.00000°. Principal axes: T 2.0900,Plg67.0000° ,Azm62.0000°; N 0.1600,Plg6.0000°,Azm166.0000°; P -2.2600,Plg22.0000°,Azm258.0000° M_o2.20000×10^{17}

ISC VI 02 05 06 26.1–.41 17.83S–.06 167.64E–.08 23 4.6b 90 4-166
ISCJB VI 02 05 06 24.3–.46 17.87S–.04 167.59E–.07 23 4.5b,4.2s **¶13439872**
NOU VI 02 05 06 25.5–2.2 17.87S 167.66E 30–999 4.2L,3.3
IDC VI 02 05 06 26.8–.60 17.77S 167.68E 30–3 4.3s,4.3
NEIC VI 02 05 06 27.4–.81 17.80S 167.61E 34–5 4.9b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.9km az=9.6.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=12.5km az=124.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.3km az=151.0.

ISC VI 02 05 10 34.1–.51 17.83S–.07 167.6E–.10 23 4.3b 50 4-166
ISCJB VI 02 05 10 32.3–.47 17.83S–.06 167.47E–.08 23 4.3b,4.2s **¶13680192**
IDC VI 02 05 10 34.5–.65 17.71S 167.59E 30–4 4.3,4.2
NEIC VI 02 05 10 36.0–.86 17.82S 167.48E 37–8 4.7b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=7.9km az=24.2.
IDC Error ellipse: s-maj=20.2km s-min=15.6km az=128.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.7km az=151.0.

ISC VI 02 05 28 34.7–.42 17.80S–.06 167.82E–.09 32 4.3b 85 4-166
IDC VI 02 05 28 29.9–.60 17.67S 167.89E 0 4.4,4.3 **¶13439874**
ISCJB VI 02 05 28 32.8–.43 17.83S–.05 167.83E–.07 32 4.3b,4.2s
NEIC VI 02 05 28 35.1–.31 17.73S 167.83E 35 4.9b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=15.8km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.6km az=17.9.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.5km az=137.0.

IDC VI 02 05 46 57.4–1.6 17.62S 167.73E 0 4.1,3.9
¶16066202
IDC Error ellipse: s-maj=49.1km s-min=23.3km az=122.0.
IDC VI 02 06 52 10.9–1.9 18.48S 167.06E 0 3.7,3.6
¶16066206
IDC Error ellipse: s-maj=45.1km s-min=29.1km az=112.0.

ISC VI 02 08 44 23.5–2.0 17.84S–.10 167.3E–.30 23 4.0b,3.7s 11 4-98
IDC VI 02 08 44 19.2–3.0 17.72S 167.33E 0 4.3,4.1 **¶16066210**
ISC Event type ke.
IDC Error ellipse: s-maj=70.1km s-min=33.5km az=102.0.

IDC VI 02 09 01 51.3–3.1 17.71S 167.30E 0 4.0,3.8b
¶16066212
IDC Error ellipse: s-maj=68.7km s-min=35.6km az=100.0.

IDC VI 02 09 56 43.3–3.8 16.07S 168.02E 176–35 3.7,3.4
¶16066213
IDC Error ellipse: s-maj=25.6km s-min=24.2km az=95.0.

ISC VI 02 16 01 36.8–.34 17.94S–.05 167.82E–.07 32 4.8b,4.1s 226 4-166
SZGRF VI 02 16 01 26.9 20.43S 169.42E 25 4.8b,4.1s **¶13439885**
IDC VI 02 16 01 31.8–.50 17.82S 167.81E 0 4.6,4.6
ISCJB VI 02 16 01 35.1–.25 17.95S–.04 167.76E–.05 32 4.8b,4.1s
MOS VI 02 16 01 35.7–1.3 17.81S 167.72E 33 4.9b,4.0s
NEIC VI 02 16 01 37.1–.19 17.87S 167.81E 35 4.9b,4.0s
GCMT VI 02 16 01 40.7–.30 17.82S 167.53E 26–0 5.0W,4.0s
BJI VI 02 16 01 41.8 18.00S 167.70E 70 4.9b,4.8s
ISC Event type fe.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=16.4km s-min=14.1km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.9km az=12.3.
MOS Error ellipse: s-maj=11.1km s-min=9.3km az=20.1.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=5.2km az=143.0. Felt at Port-Vila.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s37,c42; s75,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}3.07±.17 $M_{\theta\theta}$-0.17±.11; $M_{\phi\phi}$-2.90±.11; $M_{r\theta}$0.76±.24; $M_{\theta\phi}$0.31±.08; $M_{\phi r}$-2.29±.17; Best double couple: NP1:ϕ_s0.00000°,δ26.00000°,λ102.00000°. NP2:ϕ_s166.00000°,δ64.00000°,λ84.00000°. Principal axes: T 3.9400,Plg70.0000° ,Azm64.0000°; N -0.1800,Plg5.0000°,Azm169.0000°; P -3.7600,Plg19.0000°,Azm261.0000° M_o3.90000×10^{16}

ISC VI 02 18 16 19.0–.44 17.98S–.05 167.81E–.09 32 4.5b,4.0s 112 4-166
IDC VI 02 18 16 13.9–.77 17.95S 167.88E 0 4.4,4.3 **¶12886821**
ISCJB VI 02 18 16 17.6–.34 17.99S–.04 167.75E–.07 32 4.5b,4.0s
BJI VI 02 18 16 19.7 18.01S 167.88E 51 4.8s,4.8b
NEIC VI 02 18 16 21.3–1.4 17.96S 167.73E 54–13 4.6b,4.8b
ISC Event type fe.
IDC Error ellipse: s-maj=27.2km s-min=17.3km az=130.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=5.8km az=14.7.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=8.8km az=166.0. Felt at Port-Vila.

IDC VI 02 18 32 41.1–2.1 17.97S 167.93E 0 4.0,3.8
¶16066236
IDC Error ellipse: s-maj=52.0km s-min=27.0km az=112.0.

IDC VI 02 19 57 07.0–14 18.01S 167.18E 0 3.7,3.6
¶16066243
IDC Error ellipse: s-maj=243.9km s-min=39.3km az=70.0.

ISC VI 02 21 58 07.9–1.2 17.98S–.09 167.7E–.20 23 4.2b,3.4s 23 4-145
IDC VI 02 21 58 03.8–2.1 17.88S 167.76E 0 4.0,3.9 **¶13680258**
ISCJB VI 02 21 58 06.6–1.4 17.99S–.06 167.6E–.20 23 4.0b,3.4s
NEIC VI 02 21 58 09.2–.90 18.00S 167.67E 35 4.4b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=58.0km s-min=32.9km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=29.7km s-min=8.7km az=1.5.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=14.3km az=94.0.

ISC VI 03 01 43 27.6–.61 17.97S–.07 167.8E–.10 23 4.2b,3.8s 39 4-166
IDC VI 03 01 43 24.2–.97 17.96S 167.68E 0 4.2,4.1 **¶13680317**
ISCJB VI 03 01 43 25.9–.62 17.98S–.05 167.6E–.10 23 4.1b,3.8s
NEIC VI 03 01 43 26.3–9.8 17.95S 167.68E 14–59 4.6b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=19.7km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=7.5km az=8.8.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=14.4km az=216.0.

ISC VI 03 04 34 21.7–1.3 17.64S–.09 167.8E–.30 27 4.0b,3.6s 15 5-166
IDC VI 03 04 34 17.5–1.5 17.48S 167.90E 0 4.1,4.0 **¶13680330**
ISCJB VI 03 04 34 20.6–1.4 17.71S–.06 167.8E–.20 27 3.9b,3.5s
NOU VI 03 04 34 28.9–.30 21.43S 171.01E 10 3.1L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=37.1km s-min=25.0km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=32.0km s-min=9.1km az=1.8.
NOU Error ellipse: s-maj=90.5km s-min=12.1km az=-1.0.

ISC VI 03 04 51 00.5–1.7 17.67S–.10 167.9E–.30 27 3.9b 13 5-166
IDC VI 03 04 50 56.4–1.9 17.55S 167.96E 0 4.1,4.0 **¶16100888**
ISCJB VI 03 04 50 59.3–2.1 17.71S–.07 167.8E–.40 27 3.8b,4.0
ISC Event type ke.
ISCJB Event type ke.

ISC VI 03 05 34 33.0–.98 18.1S–.10 167.8E–.20 32 4.0b,3.5s 14 4-100
IDC VI 03 05 34 28.4–1.1 17.98S 167.82E 0 4.2,4.0 **¶16100891**
ISCJB VI 03 05 34 31.6–.75 18.09S–.07 167.8E–.10 32 3.9b,3.4s
ISC Event type ke.
ISCJB Event type ke.

ISC VI 03 14 30 59.4–.46 18.07S–.05 167.73E–.08 46–2 4.7b,4.2s 125 4-166
IDC VI 03 14 30 53.0–.75 17.97S 167.76E 0 4.6,4.5 **¶12892938**
NOU VI 03 14 30 55.3–1.4 17.78S 167.58E 30 4.3L,3.2
ISCJB VI 03 14 30 56.9–1.4 18.09S–.06 167.70E–.07 38–13 4.6b,4.2s
NEIC VI 03 14 30 60.0–1.1 17.84S 167.62E 50–10 4.7b,4.2s
GCMT VI 03 14 31 00.2–.20 17.85S 167.58E 20–1 5.0W,4.2s
BJI VI 03 14 31 00.0 17.80S 167.60E 50 4.9b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=15.3km az=125.0.
NOU Error ellipse: s-maj=17.4km s-min=63.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=8.0km az=42.9.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.1km az=155.0.
GCMT Event type se. Data Used: IU II IC G. Moment Tensor Solution. s30,c36; s71,c96; Moment tensor: Scale 10^{16}Nm; M_{rr}2.79±.17 $M_{\theta\theta}$0.15±.11; $M_{\phi\phi}$-2.94±.12; $M_{r\theta}$0.84±.25; $M_{\theta\phi}$0.49±.08; $M_{\phi r}$-2.25±.20; Best double couple: NP1:ϕ_s360.00000°,δ26.00000°,λ105.00000°. NP2:ϕ_s164.00000°,δ65.00000°,λ83.00000°. Principal axes: T 3.6800,Plg69.0000° ,Azm59.0000°; N 0.1700,Plg6.0000°,Azm167.0000°; P -3.8500,Plg20.0000°,Azm259.0000° M_o3.80000×10^{16}

ISC VI 03 14 35 23.0–.90 18.13S–.10 167.9E–.20 32 4.0b 16 4-89
IDC VI 03 14 35 17.8–1.5 18.14S 167.95E 0 4.0,3.8 **¶13680349**
ISCJB VI 03 14 35 21.5–.86 18.13S–.08 167.8E–.20 32 4.0b,3.8
NEIC VI 03 14 35 23.5–.91 18.10S 167.83E 35 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=46.8km s-min=24.6km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=27.8km s-min=9.8km az=14.0.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=17.5km az=110.0.

ISC VI 03 18 13 53.0–1.1 17.69S–.09 167.7E–.20 19 4.0b 12 5-145
ISCJB VI 03 18 13 50.7–1.1 17.68S–.07 167.7E–.20 19 3.9b,3.4s **¶13680359**
IDC VI 03 18 13 50.0–1.2 17.59S 167.80E 0 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.4km s-min=9.6km az=0.3.
IDC Error ellipse: s-maj=32.4km s-min=22.9km az=102.0.

IDC VI 03 18 30 03.9–19 14.72S 166.69E 0 4.0,4.0L
¶16100905
IDC Error ellipse: s-maj=336.1km s-min=44.6km az=58.0.

IDC VI 03 18 58 55.5–69 17.27S 168.65E 0 4.0,3.9
¶16100906
IDC Error ellipse: s-maj=1166.0km s-min=58.6km az=73.0.

ISC VI 03 20 14 36.9–.80 17.78S–.08 167.8E–.20 32 4.2b,3.9s 32 4-145
IDC VI 03 20 14 31.9–1.0 17.77S 167.89E 0 4.3,4.1 **¶13680366**
ISCJB VI 03 20 14 35.1–.83 17.78S–.07 167.8E–.10 32 4.1b,3.7s
NEIC VI 03 20 14 37.5–.70 17.78S 167.80E 35 4.5b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=17.7km az=114.0.

ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=9.1km az=7.5.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=13.1km az=111.0.
ISC VI 04 04 16 03.8–.55 17.70S–.07 167.8E–.10 27 4.1b,3.7s 48 5-166
IDC VI 04 04 15 59.8–.74 17.57S 167.83E 0 4.2,4.1 **¶13680441**
NEIC VI 04 04 16 01.1–.36 17.60S 167.83E 10 4.6b,4.1
ISCJB VI 04 04 16 02.2–.63 17.72S–.06 167.7E–.10 27 4.1b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 04 09 39 34.5–1.8 16.64S 169.38E 0 4.1,3.9L
¶16100933
IDC Error ellipse: s-maj=52.8km s-min=29.1km az=142.0.
IDC VI 04 10 18 41.6–1.3 13.09S 166.45E 0 4.9L,4.2
¶16100935
IDC Error ellipse: s-maj=34.8km s-min=24.7km az=89.0.
ISC VI 04 13 38 13.6–3.0 17.9S–.10 167.0E–.40 20 3.8b 17 4-76
IDC VI 04 13 38 09.9–4.2 17.65S 166.99E 0 4.0,3.8 **¶13680470**
NOU VI 04 13 38 14.5–1.7 17.85S 167.76E 30 3.2,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=83.9km s-min=38.3km az=83.0.
NOU Error ellipse: s-maj=19.8km s-min=68.6km az=-1.0.
ISC VI 04 17 10 06.1–.34 17.76S–.04 167.78E–.05 20–2 5.2b,5.1s 523 4-166
SZGRF VI 04 17 10 00.4 20.62S 169.32E 33 5.2b,5.1s **¶13439910**
IDC VI 04 17 10 03.0–.45 17.71S 167.81E 0 4.9,4.9
NEIC VI 04 17 10 03.7–3.0 17.74S 167.76E 6–18 5.5W,5.2b
BJI VI 04 17 10 04.5 17.35S 167.89E 13 5.4b,5.3s
ISCJB VI 04 17 10 04.1–1.7 17.77S–.03 167.74E–.05 15–10 5.2s,5.1b
NOU VI 04 17 10 06.3–1.2 17.70S 168.21E 30 4.1,3.5L
MOS VI 04 17 10 07.9–1.5 17.57S 167.56E 33 5.6s,5.5b
DJA VI 04 17 10 11.3–1.6 18S–5.0 168E–7.0 41–14 5.5b,5.3
GCMT VI 04 17 10 11.0–.20 17.61S 167.60E 19–0 5.6W,5.3
ISC Event type fe.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=17.3km s-min=13.0km az=104.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=6.4km az=177.0. Felt [III] at Port-Vila. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.41 $M_{\theta\phi}$0.05 $M_{\phi r}$-2.18 Best double couple: NP1:ϕ_s356.00000°,δ12.00000°,λ96.00000°. NP2:ϕ_s170.00000°,δ78.00000°,λ89.00000°. Principal axes: T 2.5500,Plg56.0000° ,Azm78.0000°; N -0.2700,Plg1.0000°,Azm170.0000°; P -2.2800,Plg33.0000°,Azm260.0000° M_o2.40000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=4.9km az=10.2.
NOU Error ellipse: s-maj=20.0km s-min=52.8km az=-1.0.
MOS Error ellipse: s-maj=9.8km s-min=8.4km az=114.8.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 92, comp=154, per= 50. Moment Tensor Solution. s76,c134; s34,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}1.96±.04 $M_{\theta\theta}$0.00±.03; $M_{\phi\phi}$-1.96±.03; $M_{r\theta}$1.11±.08; $M_{\theta\phi}$0.36±.03; $M_{\phi r}$-1.45±.08; Best double couple: NP1:ϕ_s5.00000°,δ27.00000°,λ120.00000°. NP2:ϕ_s152.00000°,δ67.00000°,λ76.00000°. Principal axes: T 2.7700,Plg65.0000°,Azm37.0000°; N -0.1400,Plg13.0000°,Azm158.0000° ; P -2.6300,Plg20.0000°,Azm253.0000° M_o2.70000×10^{17}
IDC VI 05 00 58 46.0–3.1 17.77S 167.30E 0 3.5,3.5
¶16100969
IDC Error ellipse: s-maj=71.3km s-min=31.5km az=93.0.
IDC VI 05 13 09 38.4–1.7 17.84S 167.86E 0 4.1,3.9
¶16100985
IDC Error ellipse: s-maj=47.6km s-min=21.6km az=122.0.
ISC VI 05 20 51 38.1–.67 17.56S–.09 167.8E–.10 27 4.4b 43 5-166
IDC VI 05 20 51 34.2–1.0 17.50S 167.82E 0 4.2,4.1 **¶13680574**
NEIC VI 05 20 51 35.0–.61 17.59S 167.91E 10 4.6b,4.1
ISCJB VI 05 20 51 36.2–.59 17.60S–.07 167.8E–.10 27 4.4b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VI 05 20 58 26.9–.42 17.51S–.04 167.62E–.06 50–2 4.7b,4.6s 195 5-166
NEIC VI 05 20 58 20.5–.34 17.44S 167.84E 10 4.9b,4.6s **¶12936549**
IDC VI 05 20 58 20.0–.60 17.43S 167.66E 0 4.6,4.5
ISCJB VI 05 20 58 22.6–1.3 17.53S–.05 167.69E–.06 33–11 4.7b,4.6s
MOS VI 05 20 58 23.4–1.4 17.45S 167.65E 33 4.8b,4.4s
NOU VI 05 20 58 25.8–1.3 17.46S 167.61E 30 4.2L,4.0
BJI VI 05 20 58 25.9 17.20S 167.75E 52 5.1s,5.1b
GCMT VI 05 20 58 26.9–.30 17.45S 167.61E 19–0 5.1W,5.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.4km az=102.0.
IDC Error ellipse: s-maj=15.9km s-min=13.7km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=8.3km az=11.1.
MOS Error ellipse: s-maj=11.4km s-min=9.1km az=27.0.
NOU Error ellipse: s-maj=14.7km s-min=52.6km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s56,c68; s70,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}4.97±.22 $M_{\theta\theta}$-0.13±.16; $M_{\phi\phi}$-4.84±.17; $M_{r\theta}$1.66±.37; $M_{\theta\phi}$0.66±.13; $M_{\phi r}$-4.04±.36; Best double couple: NP1:ϕ_s1.00000°,δ25.00000°,λ107.00000°. NP2:ϕ_s163.00000°,δ66.00000°,λ82.00000°. Principal axes: T 6.6900,Plg68.0000° ,Azm58.0000°; N -0.1700,Plg7.0000°,Azm166.0000°; P -6.5100,Plg20.0000°,Azm259.0000° M_o6.60000×10^{16}
ISC VI 05 21 00 24.9–.96 17.60S–.08 167.8E–.20 27 4.3b 33 5-166
IDC VI 05 21 00 20.7–1.6 17.55S 167.86E 0 4.4,4.3 **¶13680576**
NEIC VI 05 21 00 22.4–.62 17.54S 167.80E 10 4.6b,4.3
ISCJB VI 05 21 00 23.4–.95 17.60S–.07 167.7E–.20 27 4.3b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VI 05 21 16 60.0–.34 17.54S–.04 167.82E–.04 34–1 5.3s,5.2b 572 5-169
IDC VI 05 21 16 54.2–.37 17.48S 167.78E 0 5.1,5.1s **¶13439937**
ISCJB VI 05 21 16 55.4–1.5 17.50S–.03 167.67E–.04 15–10 5.3s,5.1b
NEIC VI 05 21 16 55.6–.17 17.43S 167.72E 7 5.7W,5.7W
BGS VI 05 21 16 56.0–3.6 17.43S 167.72E 10 5.4s,5.7W
NOU VI 05 21 16 57.2–.65 17.46S 168.23E 30 4.0,3.4s
MOS VI 05 21 16 59.2–1.4 17.35S 167.59E 33 5.5b,5.1s
BJI VI 05 21 17 01.4 16.92S 167.83E 41 5.3s,5.3b
DJA VI 05 21 17 02.7–2.3 17S–7.0 168E–10 70–27 5.5b,5.0
GCMT VI 05 21 17 02.4–.10 17.42S 167.60E 20–0 5.7W,5.0
ISC Event type fe.
IDC Error ellipse: s-maj=12.7km s-min=10.9km az=135.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.1km az=4.1.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.9km az=131.0. Felt [III] at Port-Vila. Also felt at Lakatoro. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}2.69 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-2.41 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.18 $M_{\phi r}$-2.91 Best double couple: NP1:ϕ_s351.00000° ,δ21.00000°,λ81.00000°. NP2:ϕ_s181.00000°,δ69.00000°,λ93.00000°. Principal axes: T 4.0200,Plg65.0000°,Azm96.0000°; N -0.2900,Plg3.0000°,Azm359.0000° ; P -3.7300,Plg24.0000°,Azm267.0000° M_o3.90000×10^{17}
BGS Error ellipse: s-maj=777.6km s-min=999.9km az=-1.0.
NOU Error ellipse: s-maj=15.7km s-min=39.6km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=7.1km az=44.3.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=232, per= 50. Moment Tensor Solution. s107,c204; s65,c70; Moment tensor: Scale 10^{17}Nm; M_{rr}2.88±.04 $M_{\theta\theta}$0.13±.03; $M_{\phi\phi}$-3.01±.03; $M_{r\theta}$0.77±.06; $M_{\theta\phi}$0.37±.02; $M_{\phi r}$-2.24±.07; Best double couple: NP1:ϕ_s2.00000°,δ27.00000°,λ104.00000°. NP2:ϕ_s166.00000°,δ64.00000°,λ83.00000°. Principal axes: T 3.7400,Plg70.0000°,Azm61.0000°; N 0.1200,Plg6.0000°,Azm169.0000° ; P -3.8600,Plg19.0000°,Azm261.0000° M_o3.80000×10^{17}
ISC VI 05 22 07 45.6–3.3 18.0S–.10 167.3E–.40 23 3.9b 10 4-76
IDC VI 05 22 07 43.1–4.3 17.98S 167.18E 0 4.1,4.0 **¶16100998**
ISC Event type ke.
IDC Error ellipse: s-maj=77.6km s-min=33.0km az=81.0.
IDC VI 05 22 36 36.3–59 17.07S 168.80E 0 3.9,3.9
¶16101000
IDC Error ellipse: s-maj=995.7km s-min=58.8km az=74.0.
IDC VI 05 23 28 25.7–3.5 17.64S 167.67E 0 3.8,3.7
¶16101002
IDC Error ellipse: s-maj=74.8km s-min=32.0km az=95.0.
ISC VI 05 23 39 30.6–1.4 17.63S–.09 167.8E–.30 27 4.0b 15 5-166
IDC VI 05 23 39 26.3–1.5 17.61S 167.82E 0 4.1,3.9 **¶16101003**
ISCJB VI 05 23 39 30.2–2.1 17.65S–.06 167.6E–.30 27 3.8b,3.9
ISC Event type ke.

ISCJB Event type ke.
ISC VI 06 03 28 22.8–1.1 17.52S–.09 167.6E–.20 19 4.2b,3.6s 26 5-145
IDC VI 06 03 28 18.7–2.8 17.36S 167.72E 0 4.2,4.1 **¶13680653**
NEIC VI 06 03 28 20.6–.83 17.42S 167.66E 10 4.6b,4.1
ISCJB VI 06 03 28 22.4–.81 17.63S–.09 167.41E–.09 19 4.1b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 06 09 55 00.0–8.0 16.61S 169.05E 0
¶16101009
IDC Error ellipse: s-maj=188.0km s-min=40.3km az=24.0.
IDC VI 06 10 46 17.7–1.9 17.41S 167.81E 0 3.9,3.8
¶16101011
IDC Error ellipse: s-maj=52.7km s-min=33.3km az=130.0.
ISC VI 06 11 17 28.7–.37 14.82S–.04 168.02E–.05 50–2 4.9b,4.2s 227 7-167
IDC VI 06 11 17 21.5–.53 14.76S 168.17E 0 4.8,4.8 **¶15155792**
ISCJB VI 06 11 17 24.6–2.7 14.72S–.05 168.01E–.04 28–19 4.9b,4.2s
DJA VI 06 11 17 24.9–2.9 14S–10 169E–14 72–41 5.2b,4.7
AUST VI 06 11 17 25.3–3.4 14.74S 168.04E 14–0 5.2b,4.7
MOS VI 06 11 17 26.2–1.2 14.75S 167.97E 40 5.1b,4.1s
GCMT VI 06 11 17 27.2–.30 14.74S 168.08E 19–1 5.0W,4.1s
NEIC VI 06 11 17 28.6–.99 14.76S 168.03E 48–9 4.9b,4.1s
BJI VI 06 11 17 29.1 14.30S 168.08E 54 5.0b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=14.5km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=7.2km az=15.0.
AUST Error ellipse: s-maj=1.3km s-min=0.9km az=44.0.
MOS Error ellipse: s-maj=10.7km s-min=9.0km az=15.7.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s31,c34; s56,c71; Moment tensor: Scale 10^{16}Nm; M_{rr}2.45±.20 $M_{\theta\theta}$0.09±.16; $M_{\phi\phi}$-2.54±.14; $M_{r\theta}$1.68±.36; $M_{\theta\phi}$1.06±.10; $M_{\phi r}$1.44±.26; Best double couple: NP1:ϕ_s135.00000°,δ43.00000°,λ43.00000°. NP2:ϕ_s11.00000°,δ62.00000°,λ124.00000°. Principal axes: T 3.8200,Plg58.0000° ,Azm330.0000°; N -0.7500,Plg30.0000°,Azm173.0000°; P -3.0600,Plg10.0000° ,Azm77.0000° M_o3.40000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.3km az=168.0.
ISC VI 07 01 09 11.6–1.0 18.9S–.20 169.3E–.20 246 3.9b 17 4-167
ISCJB VI 07 01 09 11.1–.87 18.7S–.10 169.2E–.20 246 3.7b **¶16101039**
IDC VI 07 01 09 11.7–2.8 18.88S 169.30E 245–29 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.5km s-min=10.0km az=34.5.
IDC Error ellipse: s-maj=47.9km s-min=20.1km az=156.0.
ISC VI 07 15 05 27.2–.43 18.28S–.05 167.89E–.07 48–2 4.8b,4.2s 126 4-166
IDC VI 07 15 05 20.5–.71 18.24S 168.12E 0 4.7L,4.6 **¶13077439**
BJI VI 07 15 05 22.8 18.69S 168.53E 59 5.0b,4.8b
NEIC VI 07 15 05 22.8–4.5 18.16S 168.04E 14–27 4.9b,4.8b
ISCJB VI 07 15 05 24.2–1.4 18.24S–.06 167.90E–.06 33–13 4.7b,4.2s
GCMT VI 07 15 05 29.0–.30 18.17S 167.83E 29–0 5.1W,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=15.9km az=130.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.9km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=9.3km az=168.3.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s43,c50; s65,c91; Moment tensor: Scale 10^{16}Nm; M_{rr}3.91±.18 $M_{\theta\theta}$0.34±.14; $M_{\phi\phi}$-4.25±.15; $M_{r\theta}$0.74±.26; $M_{\theta\phi}$1.28±.10; $M_{\phi r}$-2.22±.20; Best double couple: NP1:ϕ_s348.00000°,δ31.00000°,λ94.00000°. NP2:ϕ_s163.00000°,δ59.00000°,λ88.00000°. Principal axes: T 4.5200,Plg75.0000° ,Azm66.0000°; N 0.6700,Plg2.0000°,Azm165.0000°; P -5.1800,Plg14.0000°,Azm255.0000° M_o4.90000×10^{16}
ISC VI 08 20 13 09.9–1.1 17.64S–.07 167.5E–.20 19 4.0b,3.5s 16 5-123
NOU VI 08 20 13 05.2–1.9 17.11S 167.03E 30 4.0L,3.7 **¶13680921**
IDC VI 08 20 13 06.9–1.2 17.59S 167.63E 0 4.2L,4.1
ISCJB VI 08 20 13 08.4–1.0 17.67S–.04 167.5E–.20 19 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC VI 09 05 32 22.9–1.8 19.5S–.50 170.3E–.40 35 3.6b 7 4-88
IDC VI 09 05 32 11.5–2.3 22.54S 171.39E 0 4.1,4.0L **¶16101135**
ISC Event type ke.
IDC Error ellipse: s-maj=121.8km s-min=29.5km az=169.0.
IDC VI 09 10 16 52.7–2.4 17.69S 167.82E 0 4.1,3.9
¶16101145
IDC Error ellipse: s-maj=50.9km s-min=33.7km az=107.0.
IDC VI 09 10 22 00.8–4.8 13.07S 166.94E 234–50 3.6,3.4
¶16101147
IDC Error ellipse: s-maj=38.2km s-min=22.2km az=145.0.
ISC VI 10 23 09 02.8–.29 17.08S–.04 168.32E–.05 222–2 4.9b 504 5-168
NOU VI 10 23 08 52.9–2.1 16.24S 168.59E 30 4.7L,4.1 **¶12977483**
BJI VI 10 23 09 01.6 16.69S 168.43E 213 5.0b,4.9b
MOS VI 10 23 09 02.5–1.0 17.05S 168.19E 226 5.0b,4.9b
NEIC VI 10 23 09 02.3–.14 17.01S 168.22E 216 5.1b,4.9b
IDC VI 10 23 09 02.3–.53 17.06S 168.26E 216–4 4.4,4.4
ISCJB VI 10 23 09 03.1–.67 17.06S–.04 168.20E–.04 233–6 4.8b,4.4
GCMT VI 10 23 09 05.9–.20 17.01S 168.15E 238–1 5.3W,4.4
DJA VI 10 23 09 06.1–2.6 17S–8.0 168E–11 250–34 5.5b,5.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c76; s70,c104; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s270.00000°,δ62.00000°,λ152.00000°. NP2:ϕ_s14.00000° ,δ65.00000°,λ31.00000°. Principal axes: T 1.0600,Plg39.0000°,Azm233.0000° ; N 0.0500,Plg51.0000°,Azm49.0000°; P -1.1100,Plg2.0000°,Azm141.0000° M_o1.10000×10^{17}
IDC VI 11 15 58 57.0–1.9 18.82S 167.45E 0 3.8,3.6
¶16101212
IDC Error ellipse: s-maj=49.7km s-min=27.2km az=118.0.
IDC VI 11 16 24 55.1–9.1 15.95S 167.31E 135–102 4.5L,3.8
¶16101213
IDC Error ellipse: s-maj=210.7km s-min=63.8km az=90.0.
IDC VI 12 01 08 43.0–1.2 18.25S 167.74E 0 4.1,3.9
¶16101221
IDC Error ellipse: s-maj=39.6km s-min=23.1km az=130.0.
ISC VI 12 08 47 42.7–.36 17.67S–.04 167.68E–.05 51–2 5.0b,4.6s 349 5-166
IDC VI 12 08 47 35.0–.49 17.52S 167.79E 0 4.8,4.7 **¶13440057**
NEIC VI 12 08 47 36.7–.24 17.49S 167.79E 10 5.1b,4.7
DJA VI 12 08 47 37.6–.60 18S–7.0 168E–8.0 10 5.5b,5.0
ISCJB VI 12 08 47 38.4–1.9 17.59S–.04 167.71E–.05 29–13 5.0b,4.6s
MOS VI 12 08 47 39.4–1.3 17.46S 167.61E 33 5.3b,4.6s
NOU VI 12 08 47 40.8–1.8 17.58S 167.79E 30 4.0L,3.6
GCMT VI 12 08 47 42.8–.10 17.56S 167.58E 19–0 5.3W,3.6
BJI VI 12 08 47 43.5 17.16S 167.92E 58 5.2b,5.1s
ISC Event type fe.
IDC Error ellipse: s-maj=17.2km s-min=13.0km az=106.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=6.4km az=118.0. Felt [III] at Port-Vila.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=6.9km az=167.3.
MOS Error ellipse: s-maj=10.3km s-min=9.0km az=13.4.
NOU Error ellipse: s-maj=23.2km s-min=94.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s84,c141; s88,c155; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s3.00000°,δ24.00000°,λ110.00000°. NP2:ϕ_s161.00000° ,δ67.00000°,λ81.00000°. Principal axes: T 1.2200,Plg67.0000°,Azm56.0000° ; N 0.0000,Plg8.0000°,Azm165.0000°; P -1.2200,Plg22.0000°,Azm258.0000° M_o1.20000×10^{17}
ISC VI 12 09 24 43.9–.34 17.68S–.04 167.81E–.05 48–2 5.0b,4.9s 306 5-166
IDC VI 12 09 24 37.0–.62 17.59S 167.89E 0 4.9s,4.9 **¶13046920**
DJA VI 12 09 24 38.9–.60 17S–7.0 168E–10 10 5.7b,5.2
NEIC VI 12 09 24 38.8–.26 17.54S 167.84E 10 5.0b,5.2
ISCJB VI 12 09 24 39.0–1.8 17.62S–.04 167.84E–.05 22–13 4.9s,4.8b
MOS VI 12 09 24 41.3–1.4 17.53S 167.71E 33 5.3b,4.8b
NOU VI 12 09 24 43.3–1.4 17.82S 168.55E 30 3.7,2.6L
BJI VI 12 09 24 44.9 17.00S 168.06E 52 5.4s,5.3b
GCMT VI 12 09 24 44.3–.20 17.55S 167.54E 19–0 5.4W,5.3b
ISC Event type se.

IDC Error ellipse: s-maj=20.4km s-min=15.2km az=130.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.2km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.2km az=29.4.
MOS Error ellipse: s-maj=10.8km s-min=9.1km az=33.6.
NOU Error ellipse: s-maj=26.0km s-min=56.5km az=-1.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s92,c154; s71,c116; Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.03 $M_{\theta\theta}$-0.01±.02; $M_{\phi\phi}$-1.12±.02; $M_{r\theta}$0.49±.05; $M_{\theta\phi}$0.24±.02; $M_{\theta r}$-1.10±.06; Best double couple: NP1:ϕ_s358.00000°,δ23.00000°,λ107.00000°. NP2:ϕ_s159.00000°,δ68.00000°,λ83.00000°. Principal axes: T 1.6600,Plg66.0000° ,Azm57.0000°; N 0.0100,Plg7.0000°,Azm162.0000°; P -1.6700,Plg23.0000°,Azm255.0000° M_o1.70000×10^{17}

IDC VI 12 09 44 03.2–3.1 16.30S 167.93E 0 4.8L,4.2 ¶16595743

IDC Error ellipse: s-maj=123.6km s-min=43.9km az=16.0.
ISC VI 12 09 44 19.4–.29 17.68S–.03 167.84E–.04 49–1 5.6s,5.4b 985 5-169
IDC VI 12 09 44 12.9–.36 17.60S 167.78E 0 5.6,5.6 **¶16101229**
LDG VI 12 09 44 14.1–.13 17.58S 167.82E 10 5.9b,5.5s
NEIC VI 12 09 44 15.1–.10 17.61S 167.81E 15 6.0W,6.0W
NOU VI 12 09 44 17.5–1.0 18.00S 169.17E 30 4.0,3.1L
MOS VI 12 09 44 17.7–.88 17.33S 167.94E 33 5.8b,5.6s
ISCJB VI 12 09 44 18.2–.14 17.66S–.03 167.74E–.03 49 5.6s,5.4b
BJI VI 12 09 44 19.3 17.26S 167.93E 53 5.9b,5.8s
GCMT VI 12 09 44 21.4–.10 17.52S 167.63E 20–0 6.0W,5.8s
DJA VI 12 09 44 59.2–3.9 18S–10 166E–27 308–32 5.8b,5.4
ISC Event type fe.
LDG Event type ke.
NEIC Event type fe. Felt [III] at Port-Vila. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s170.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s350.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm80.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm260.0000° Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}0.66 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-1.00 $M_{r\theta}$-0.12 $M_{\theta\phi}$0.25 $M_{\phi r}$-0.62 Best double couple: NP1:ϕ_s324.00000°,δ33.00000°,λ51.00000°. NP2:ϕ_s188.00000° ,δ65.00000°,λ112.00000°. Principal axes: T 0.9300,Plg62.0000°,Azm134.0000° ; N 0.3000,Plg20.0000°,Azm358.0000°; P -1.2300,Plg17.0000°,Azm262.0000° M_o1.10000×10^{18}
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=114, comp=254, per= 50. Moment Tensor Solution. s108,c241; s89,c121; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\theta r}$0.00 Best double couple: NP1:ϕ_s360.00000°,δ27.00000° ,λ106.00000°. NP2:ϕ_s162.00000°,δ64.00000°,λ82.00000°. Principal axes: T 1.0900,Plg70.0000°,Azm55.0000°; N 0.0200,Plg7.0000°,Azm165.0000° ; P -1.1100,Plg18.0000°,Azm258.0000° M_o1.10000×10^{18}

IDC VI 12 10 38 46.8–2.4 17.93S 166.84E 0 4.3,4.1b ¶16101232

IDC Error ellipse: s-maj=52.8km s-min=24.4km az=98.0.
IDC VI 12 12 13 52.8–4.0 13.18S 166.87E 0 4.8L,3.8 ¶16101236

IDC Error ellipse: s-maj=78.8km s-min=56.7km az=109.0.
ISC VI 12 13 44 51.7–.78 17.66S–.07 167.8E–.10 27 4.2b,3.7s 21 5-166
IDC VI 12 13 44 47.3–.89 17.64S 167.92E 0 4.2,4.2 **¶13681224**
ISCJB VI 12 13 44 49.7–.80 17.69S–.06 167.8E–.10 27 4.0b,3.7s
VIE VI 12 13 45 04.8 17.15S 167.37E 112 3.8b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=17.7km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=8.3km az=2.7.
VIE 120 km NW of Port Vila .
ISC VI 12 14 32 55.6–.41 17.59S–.04 167.79E–.06 34–1 5.0b,4.6s 552 5-166
IDC VI 12 14 32 50.8–.40 17.55S 167.92E 0 4.8,4.8 **¶13917861**
NEIC VI 12 14 32 51.9–.18 17.44S 167.69E 10 5.0b,4.8
LDG VI 12 14 32 52.3–.17 17.51S 167.47E 10 5.5b,4.6s
NOU VI 12 14 32 53.7–1.9 17.81S 168.93E 30 3.7,3.4L
ISCJB VI 12 14 32 53.9–.24 17.61S–.03 167.80E–.06 33 4.9b,4.6s
MOS VI 12 14 32 56.2–1.0 17.38S 167.24E 33 5.4b,4.8s
GCMT VI 12 14 32 58.2–.10 17.55S 167.64E 20–0 5.3W,4.8s
BJI VI 12 14 32 59.5 16.52S 167.21E 26 5.3b,5.0b
DJA VI 12 14 33 10.8–1.9 18S–11 169E–17 227–21 5.2b,4.7b
ISC Event type fe.
NEIC Event type fe. Felt [III] at Port-Vila.
LDG Event type ke.
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 100 sta. Moment Tensor Solution. s92,c142; s99,c171; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\theta r}$0.00 Best double couple: NP1:ϕ_s9.00000°,δ31.00000°,λ115.00000°. NP2:ϕ_s160.00000°,δ62.00000°,λ75.00000°. Principal axes: T 1.0700,Plg69.0000° ,Azm40.0000°; N 0.0200,Plg13.0000°,Azm167.0000°; P -1.0900,Plg16.0000°,Azm261.0000° M_o1.10000×10^{17}

IDC VI 12 18 46 07.9–4.6 17.78S 167.31E 0 4.1,3.9 ¶16101250

IDC Error ellipse: s-maj=91.4km s-min=32.7km az=84.0.
IDC VI 13 16 44 42.3–9.7 16.01S 167.76E 175–129 3.5,3.3 ¶16101285

IDC Error ellipse: s-maj=135.6km s-min=47.7km az=141.0.
ISC VI 13 17 12 50.5–.67 18.40S–.06 167.9E–.10 29 4.2b,3.7s 41 4-90
IDC VI 13 17 12 46.6–.96 18.30S 167.97E 0 4.2,4.1 **¶13681298**
ISCJB VI 13 17 12 48.8–.61 18.44S–.04 167.9E–.10 29 4.1b,3.7s
NOU VI 13 17 12 48.5–1.8 18.09S 167.53E 30 3.7,3.1L
NEIC VI 13 17 12 51.3–.58 18.35S 167.90E 35 4.4b,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=18.8km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=5.5km az=11.4.
NOU Error ellipse: s-maj=21.1km s-min=75.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=10.6km az=95.0.
ISC VI 15 02 01 20.3–.42 14.20S–.06 166.52E–.08 43 4.5b,4.1s 85 8-165
IDC VI 15 02 01 13.9–.59 14.20S 166.54E 0 4.5,4.4 **¶13568775**
ISCJB VI 15 02 01 18.6–.40 14.22S–.05 166.43E–.07 43 4.5b,4.1s
NEIC VI 15 02 01 20.2–1.3 14.19S 166.52E 44–11 4.7b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=14.6km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.8km az=168.1.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.1km az=93.0.
ISC VI 17 07 39 12.3–.49 17.97S–.07 167.69E–.08 23 4.5b 54 4-166
IDC VI 17 07 39 09.0–.66 17.87S 167.64E 0 4.5,4.4 **¶13681524**
ISCJB VI 17 07 39 10.7–.49 18.00S–.05 167.65E–.08 23 4.5b,4.4
NEIC VI 17 07 39 10.1–.47 17.91S 167.66E 10 4.9b,4.4
AUST VI 17 07 40 39.6–4.3 20.35S 162.80E 584–1 4.9b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=16.8km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=6.7km az=16.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.7km az=166.0.
AUST Error ellipse: s-maj=2.9km s-min=2.2km az=325.0.
IDC VI 17 10 15 03.3–13 15.10S 165.53E 0 4.1,4.1L ¶16101431

IDC Error ellipse: s-maj=223.8km s-min=35.6km az=54.0.
IDC VI 17 21 34 34.0–7.8 13.34S 166.98E 244–84 3.4,3.2 ¶16101446

IDC Error ellipse: s-maj=82.5km s-min=27.7km az=156.0.
IDC VI 18 01 14 40.8–.96 15.06S 166.95E 0 4.2,4.1 ¶16101450

IDC Error ellipse: s-maj=32.8km s-min=20.5km az=102.0.
IDC VI 18 02 30 11.7–7.2 19.54S 170.04E 0 4.1,4.0 ¶16101453

IDC Error ellipse: s-maj=190.9km s-min=37.1km az=129.0.
ISC VI 18 10 25 20.7–1.2 19.2S–.20 169.3E–.20 35 3.9b 18 4-125
ISCJB VI 18 10 25 18.1–1.2 19.4S–.20 169.4E–.20 33 3.9b **¶13681592**
IDC VI 18 10 25 25.2–3.9 19.66S 169.34E 87–39 3.9,3.7
NOU VI 18 10 25 28.4–1.5 19.96S 169.62E 30 3.9L,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.6km s-min=7.1km az=36.8.
IDC Error ellipse: s-maj=55.5km s-min=24.1km az=152.0.
NOU Error ellipse: s-maj=50.4km s-min=41.4km az=-1.0.

IDC VI 18 15 38 17.3–12 15.18S 165.50E 0 3.8L,3.7 ¶16101472

IDC Error ellipse: s-maj=211.1km s-min=36.0km az=54.0.
IDC VI 20 20 18 36.5–10 15.65S 167.38E 165–94 3.6,3.5 ¶16101547

IDC Error ellipse: s-maj=89.1km s-min=42.8km az=175.0.
ISC VI 22 16 28 09.7–.42 13.79S–.06 167.35E–.08 200 4.4b 78 8-166
IDC VI 22 16 28 07.8–1.6 13.82S 167.33E 182–13 4.2,4.1 **¶13209642**
ISCJB VI 22 16 28 08.3–.45 13.79S–.07 167.30E–.10 200 4.2b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC VI 23 04 38 05.8–1.1 14.93S 166.89E 0 4.0,3.8 ¶16101636

IDC Error ellipse: s-maj=36.1km s-min=24.6km az=131.0.
IDC VI 23 05 15 04.9–2.0 17.81S 167.36E 0 4.1,4.0 ¶16101637

IDC Error ellipse: s-maj=47.9km s-min=31.6km az=131.0.
ISC VI 23 11 08 40.3–1.2 18.36S–.10 168.0E–.20 29 4.0b 17 4-124
ISCJB VI 23 11 08 39.6–1.0 18.34S–.06 167.8E–.20 29 3.8b **¶13681897**
NOU VI 23 11 08 39.0–1.3 17.83S 166.47E 30 4.0L,3.3
IDC VI 23 11 08 47.0–5.1 18.77S 168.17E 100–51 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.1km s-min=6.8km az=9.5.
NOU Error ellipse: s-maj=11.6km s-min=106.1km az=-1.0.
IDC Error ellipse: s-maj=53.0km s-min=29.4km az=156.0.
IDC VI 23 20 04 10.1–68 14.98S 167.46E 0 3.9,3.7 ¶16101666

IDC Error ellipse: s-maj=1142.0km s-min=114.6km az=66.0.
IDC VI 23 22 17 25.8–.88 16.25S 168.04E 196–7 3.9,3.8 ¶16101670

IDC Error ellipse: s-maj=16.9km s-min=11.9km az=78.0.
ISC VI 25 00 09 20.0–.85 19.2S–.10 169.7E–.10 10 4.4b,3.8s 38 4-145
IDC VI 25 00 09 18.7–.85 19.10S 169.71E 0 4.5,4.3 **¶13681988**
ISCJB VI 25 00 09 19.0–.69 19.11S–.09 169.6E–.10 10 4.3b,3.8s
NEIC VI 25 00 09 24.1–.61 19.10S 169.61E 35 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=18.4km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=9.4km az=36.1.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=11.9km az=137.0.
ISC VI 25 06 43 49.2–.65 19.35S–.05 169.25E–.05 45–5 5.0b,4.6s 219 4-167
IDC VI 25 06 43 42.7–.59 19.23S 169.36E 0 4.7,4.6L **¶13256740**
SZGRF VI 25 06 43 44.6 19.72S 171.14E 33 4.7,4.6L
ISCJB VI 25 06 43 45.6–2.1 19.34S–.04 169.25E–.04 29–15 5.0b,4.6s
MOS VI 25 06 43 46.6–1.2 19.27S 169.26E 33 5.2b,4.6s
NEIC VI 25 06 43 48.0–.24 19.31S 169.30E 35 5.1b,4.6s
GCMT VI 25 06 43 49.0–.20 19.23S 169.32E 13–0 5.2W,4.6s
BJI VI 25 06 43 50.7 19.01S 169.61E 66 5.0s,5.0b
DJA VI 25 06 44 12.8–3.6 19S–9.0 169E–16 259–32 5.1b,4.7
ISC Event type se.
SZGRF Vanuatu Islands region.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c82; s97,c158; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.09±.17 $M_{\theta\theta}$-4.58±.15; $M_{\phi\phi}$6.66±.18; $M_{r\theta}$-0.37±.35; $M_{\theta\phi}$-4.70±.13; $M_{\phi r}$-1.09±.35; Best double couple: NP1:ϕ_s115.00000°,δ80.00000° ,λ-177.00000°. NP2:ϕ_s25.00000°,δ87.00000°,λ-10.00000°. Principal axes: T 8.4400,Plg5.0000°,Azm70.0000°; N -2.0400,Plg79.0000°,Azm187.0000° ; P -6.4100,Plg10.0000°,Azm339.0000° M_o7.40000×10^{16}
ISC VI 25 11 45 09.1–.48 19.22S–.07 169.15E–.08 35 4.7b,3.9s 67 4-146
NOU VI 25 11 45 01.1–.81 18.71S 169.33E 30 3.7,3.9s **¶13256748**
IDC VI 25 11 45 04.2–.76 19.17S 169.25E 0 4.4,4.3
ISCJB VI 25 11 45 07.6–.34 19.24S–.05 169.14E–.06 35 4.5b,3.9s
NEIC VI 25 11 45 09.5–.34 19.27S 169.17E 35 4.8b,3.9s
BJI VI 25 11 45 37.5 19.40S 168.60E 301 4.7b,4.7b
ISC Event type se.
NOU Error ellipse: s-maj=21.9km s-min=28.6km az=-1.0.
IDC Error ellipse: s-maj=22.8km s-min=18.3km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=4.4km az=39.4.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.2km az=153.0.
IDC VI 25 11 47 24.5–1.4 19.17S 169.21E 0 4.5,4.2 ¶16101715

IDC Error ellipse: s-maj=74.7km s-min=22.7km az=147.0.
ISC VI 25 21 02 47.2–.59 21.0S–.10 169.87E–.08 90 4.1b 55 3-146
ISCJB VI 25 21 02 45.9–.56 21.0S–.10 169.89E–.07 90 4.1b **¶13682033**
IDC VI 25 21 02 45.7–1.6 20.97S 170.04E 81–9 4.0,3.8
NEIC VI 25 21 02 46.4–.61 20.96S 169.92E 82 4.4b,3.8
NOU VI 25 21 02 47.7–1.0 20.28S 169.58E 30 4.2L,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=6.6km az=158.0.
IDC Error ellipse: s-maj=29.4km s-min=21.8km az=138.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=11.2km az=153.0.
NOU Error ellipse: s-maj=37.7km s-min=27.0km az=-1.0.
IDC VI 26 00 08 38.7–4.1 19.22S 168.98E 0 4.3,4.1 ¶16101732

IDC Error ellipse: s-maj=91.9km s-min=42.2km az=117.0.
ISC VI 26 07 42 10.7–.46 14.76S–.05 167.41E–.08 129 4.7b 113 7-166
NOU VI 26 07 42 02.8–3.2 14.11S 167.28E 30 4.1,3.2L **¶13917978**
IDC VI 26 07 42 08.4–2.0 14.71S 167.35E 110–16 4.4,4.3b
ISCJB VI 26 07 42 09.4–.39 14.71S–.03 167.32E–.07 129 4.5b,4.3b
NEIC VI 26 07 42 14.4–1.5 14.81S 167.31E 165–13 4.8b,4.3b
BJI VI 26 07 42 17.7 14.85S 167.20E 201 4.8b,4.5b
DJA VI 26 07 42 36.0–5.3 15S–12 166E–35 274–37 4.8b,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VI 26 17 09 07.7–7.4 17.44S 166.65E 0 3.8,3.5 ¶16101756

IDC Error ellipse: s-maj=167.1km s-min=55.8km az=112.0.
IDC VI 27 03 31 09.7–2.9 18.82S 169.15E 0 4.2,4.0 ¶16101775

IDC Error ellipse: s-maj=111.3km s-min=54.2km az=156.0.
IDC VI 27 10 14 34.3–14 17.34S 168.27E 0 4.1,4.0 ¶16101779

IDC Error ellipse: s-maj=232.1km s-min=106.7km az=66.0.
ISC VI 29 11 17 21.0–4.8 18.6S–.10 167.5E–.60 25 3.7b 6 4-40
IDC VI 29 11 16 25.9–3.3 21.22S 174.51E 0 3.8,3.6 **¶16101858**
ISC Event type ke.
IDC Error ellipse: s-maj=232.3km s-min=62.2km az=175.0.

(187) New Caledonia.

ISC I 17 17 16 23.3–.82 22.4S–.20 167.2E–.10 35 4.2b 35 1-146
IDC I 17 17 16 17.4–.89 22.53S 167.42E 0 4.4,4.2 **¶12081552**
NEIC I 17 17 16 19.6–.67 22.43S 167.28E 10 4.5b,4.2
ISCJB I 17 17 16 21.6–.70 22.5S–.10 167.21E–.10 33 4.2b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

(188) Loyalty Islands.

ISC II 03 14 54 13.7–3.3 20.4S–.20 168.2E–.40 32 3.7b 12 2-32
NOU II 03 14 54 11.3–.98 20.17S 168.18E 10–999 3.0L,2.7 **¶13598250**
ISC Event type ke.
NOU Error ellipse: s-maj=57.1km s-min=22.2km az=-1.0.
IDC II 25 13 23 24.3–4.4 20.18S 168.80E 0 3.6,3.4b ¶15957248

IDC Error ellipse: s-maj=126.7km s-min=35.8km az=131.0.
ISC III 09 01 53 36.5–3.4 20.0S–.30 168.3E–.50 25 3.5b 9 3-87
IDC III 09 01 53 32.3–4.6 19.82S 168.36E 0 3.8,3.7s **¶12702771**
ISC Event type ke.
IDC Error ellipse: s-maj=111.0km s-min=38.5km az=118.0.
ISC III 25 17 27 27.9–1.4 20.5S–.10 168.84E–.08 52–13 4.4s,4.4b 76 2-148

IDC III 25 17 27 20.0–1.0 20.51S 169.01E 0 4.4,4.3b **¶15153414**
NOU III 25 17 27 22.1–1.0 19.91S 168.71E 30 3.7L,3.4
ISCJB III 25 17 27 24.7–1.2 20.46S–.09 168.87E–.07 36–11 4.4s,4.3b
NEIC III 25 17 27 27.8–1.1 20.53S 168.78E 50–11 4.5b,4.3b
AUST III 25 17 27 33.0–15 19.86S 168.84E 95–1 4.5b,4.3b
SZGRF III 25 17 27 42.3 20.01S 170.39E 161 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=20.3km az=130.0.
NOU Error ellipse: s-maj=20.0km s-min=23.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=9.0km az=149.9.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.2km az=161.0.
AUST Error ellipse: s-maj=5.3km s-min=2.1km az=311.0.
SZGRF Vanuatu Islands.
ISC III 25 17 35 34.7–.44 20.59S–.09 168.96E–.07 31 4.8b,4.2s 152 2-166
IDC III 25 17 35 28.8–.77 20.58S 169.20E 0 4.7,4.6 **¶15153421**
ISCJB III 25 17 35 33.4–.39 20.43S–.06 168.90E–.06 31 4.8b,4.2s
SZGRF III 25 17 35 33.0 20.07S 170.15E 21 4.8b,4.2s
NEIC III 25 17 35 36.6–1.2 20.68S 169.02E 55–11 4.8b,4.2s
MOS III 25 17 35 36.2–1.1 20.44S 168.93E 55 4.9b,4.1s
BJI III 25 17 35 43.6 20.06S 168.98E 114 5.0b,4.8b
AUST III 25 17 35 59.5–1.7 19.96S 170.60E 473–0 5.0b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=17.0km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.7km az=41.9.
SZGRF Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.6km az=162.0.
MOS Error ellipse: s-maj=13.5km s-min=10.3km az=10.0.
AUST Error ellipse: s-maj=1.9km s-min=1.5km az=355.0.
ISC III 31 07 03 14.6–1.2 20.5S–.20 168.2E–.20 32 3.9b,3.4s 17 2-102
IDC III 31 07 03 10.2–1.5 20.33S 168.11E 0 4.2,4.0 **¶12636010**
NOU III 31 07 03 12.4–.54 20.27S 168.16E 30 3.1L,2.4
ISCJB III 31 07 03 13.2–1.0 20.4S–.10 168.1E–.20 32 3.9b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC III 31 19 25 42.8–.68 20.2S–.10 168.7E–.10 25 4.2b,3.3s 38 3-145
IDC III 31 19 25 39.0–1.5 20.18S 168.67E 0 4.2,4.1 **¶12636048**
ISCJB III 31 19 25 41.2–.60 20.17S–.09 168.7E–.10 25 4.0b,3.3s
NEIC III 31 19 25 44.1–.68 20.24S 168.71E 35 4.2b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=56.7km s-min=18.9km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=7.5km az=42.8.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=13.1km az=142.0.
ISC IV 08 08 11 00.7–.42 20.06S–.05 168.00E–.06 44–2 4.8b,4.0s 162 2-151
IDC IV 08 08 10 54.0–.59 19.94S 168.05E 0 4.6,4.6 **¶15153607**
BJI IV 08 08 10 55.5 20.25S 168.70E 41 5.3s,5.0b
ISCJB IV 08 08 10 59.0–.29 19.99S–.05 167.98E–.05 41 4.7b,4.1s
NEIC IV 08 08 11 01.1–.65 19.93S 167.98E 46–6 4.9b,4.1s
DJA IV 08 08 11 37.0–7.1 20S–22 167E–50 349–66 4.4,4.4b
AUST IV 08 08 11 41.0–70 20.84S 167.42E 408–6 4.4,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=15.0km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.0km az=39.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.2km az=159.0.
AUST Error ellipse: s-maj=12.7km s-min=2.8km az=255.0.
ISC IV 17 18 10 59.6–.59 20.34S–.08 168.19E–.09 32 4.3b,3.7s 61 2-165
NEIC IV 17 18 10 56.1–.51 20.24S 168.16E 10 4.6b,3.7s **¶12840207**
NOU IV 17 18 10 56.3–1.1 20.18S 168.31E 10 3.7L,2.8
ISCJB IV 17 18 10 57.8–.52 20.31S–.06 168.15E–.07 32 4.3b,3.6s
IDC IV 17 18 11 00.3–1.3 20.25S 168.12E 36–8 4.1,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.3km az=215.0.
NOU Error ellipse: s-maj=20.4km s-min=24.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=6.8km az=35.4.
IDC Error ellipse: s-maj=23.5km s-min=21.1km az=96.0.
ISC V 14 03 09 42.2–1.3 20.3S–.20 168.1E–.30 32 3.9b,3.1s 13 2-92
IDC V 14 03 09 37.9–1.6 20.00S 167.99E 0 4.2,4.0 **¶13678918**
NOU V 14 03 09 38.6–.42 20.01S 168.21E 30 2.6,1.4s
ISCJB V 14 03 09 40.9–1.0 20.2S–.10 168.0E–.20 32 3.9b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC V 14 13 56 33.4–.46 20.35S–.05 168.16E–.06 35–2 4.8b,3.9s 150 2-165
NOU V 14 13 56 27.8–1.1 19.89S 168.05E 30 3.4,3.2L **¶15154312**
ISCJB V 14 13 56 31.6–.31 20.27S–.04 168.08E–.06 36 4.7b,3.9s
BJI V 14 13 56 33.2 20.20S 168.20E 30 5.1b,5.0s
IDC V 14 13 56 33.3–.63 20.14S 168.03E 36–4 4.4,4.4
NEIC V 14 13 56 33.0–.29 20.20S 168.06E 37 5.0b,4.4
AUST V 14 13 57 16.1–4.5 21.04S 165.26E 211–1 5.0b,4.4
ISC Event type se.
NOU Error ellipse: s-maj=15.1km s-min=24.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.3km az=33.7.
IDC Error ellipse: s-maj=15.6km s-min=12.2km az=140.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.4km az=143.0.
AUST Error ellipse: s-maj=3.2km s-min=1.6km az=305.0.
ISC V 25 03 07 13.0–1.3 21.2S–.30 168.7E–.20 38–4 3.9b,3.4s 24 2-165
NOU V 25 03 07 08.2–.89 20.52S 168.62E 30 2.8,2.5L **¶13679597**
VIE V 25 03 07 08.7 20.85S 168.58E 0 4.0b,2.5L
IDC V 25 03 07 13.7–1.6 21.18S 168.62E 38–6 4.0,3.8L
ISC Event type ke.
NOU Error ellipse: s-maj=19.8km s-min=18.0km az=-1.0.
VIE 346 km S of Port Vila .
IDC Error ellipse: s-maj=57.1km s-min=18.4km az=146.0.
ISC VI 06 10 37 15.4–.95 21.1S–.20 168.7E–.10 30 4.0b 28 2-146
NOU VI 06 10 37 10.4–1.2 20.43S 168.65E 10 3.9L,2.6 **¶13680668**
ISCJB VI 06 10 37 12.9–.83 21.1S–.10 168.8E–.10 30 3.9b,3.3s
IDC VI 06 10 37 16.9–.98 21.24S 168.61E 39–6 3.8,3.8L
ISC Event type ke.
NOU Error ellipse: s-maj=24.5km s-min=23.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=23.0km s-min=7.1km az=147.8.
IDC Error ellipse: s-maj=25.2km s-min=20.6km az=156.0.

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ISC I 10 15 35 13.7–.71 23.2S–.10 169.72E–.07 23 3.9b,3.3s 25 3-148
NOU I 10 15 35 02.9–.28 18.61S 168.55E 30 3.1,2.8L **¶12080962**
IDC I 10 15 35 10.8–1.8 23.10S 169.72E 0 4.0,3.9
ISCJB I 10 15 35 11.8–.63 23.3S–.10 169.74E–.06 23 4.3b,3.4s
NEIC I 10 15 35 16.2–.71 23.18S 169.67E 45 4.6b,3.4s
ISC Event type se.
NOU Error ellipse: s-maj=20.8km s-min=29.6km az=-1.0.
IDC Error ellipse: s-maj=74.8km s-min=25.3km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=7.5km az=11.6.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=14.0km az=163.0.
ISC I 12 14 34 34.1–1.4 22.38S–.09 171.16E–.07 79–12 4.5b 75 4-166
IDC I 12 14 34 30.9–4.3 22.37S 171.34E 52–35 5.1L,4.3 **¶12081114**
ISCJB I 12 14 34 32.0–1.2 22.38S–.08 171.17E–.06 70–10 4.5b,4.3
NOU I 12 14 34 31.3–.68 20.40S 170.97E 10 4.0L,2.8
NEIC I 12 14 34 34.6–1.4 22.42S 171.25E 84–13 4.5b,2.8
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=18.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=9.0km az=169.4.
NOU Error ellipse: s-maj=42.8km s-min=20.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.4km az=152.0.
ISC I 12 21 57 27.0–.50 21.31S–.09 169.66E–.06 21 4.4b,4.1s 57 3-149
IDC I 12 21 57 23.8–.90 21.30S 169.69E 0 4.6,4.4 **¶11667120**
ISCJB I 12 21 57 25.3–.42 21.30S–.07 169.70E–.05 21 4.5b,4.0s
NEIC I 12 21 57 26.7–3.5 21.29S 169.68E 19–22 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=20.0km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.5km az=167.2.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.2km az=163.0.
ISC I 15 07 27 19.8–.34 22.26S–.03 170.64E–.03 22–2 6.4s,5.8b 2456 3-170
NOU I 15 07 27 14.8–1.1 20.92S 170.82E 10 4.4L,3.7 **¶13989118**
IDC I 15 07 27 17.0–.36 22.24S 170.59E 0 6.2,6.2s
ISCJB I 15 07 27 17.7–1.0 22.31S–.03 170.60E–.02 19–7 6.4s,5.7b
BJI I 15 07 27 17.9 21.58S 170.91E 11 6.7b,6.4s
LDG I 15 07 27 18.2–.09 21.59S 170.74E 10 6.3s,6.0b
NEIC I 15 07 27 20.3–.12 22.35S 170.64E 27 6.7W,6.5s
MOS I 15 07 27 20.7–1.4 22.19S 170.60E 33 6.4s,5.9b
SZGRF I 15 07 27 21.4 22.36S 171.04E 33 6.4b,5.9b
BGS I 15 07 27 22.3–4.8 22.35S 170.64E 27 5.8b,5.9b
DJA I 15 07 27 27 22.32S 170.41E 68 6.5W,5.9b
ISC Event type fe.
NOU Error ellipse: s-maj=73.7km s-min=28.2km az=-1.0.
IDC Error ellipse: s-maj=10.8km s-min=9.5km az=10.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.8km az=175.4.
LDG Event type ke. Error ellipse: s-maj=11.0km s-min=4.3km az=170.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=158.0. Felt at Noumea, New Caledonia. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s48 Moment tensor: Scale 10^{18} Nm; M_{rr}4.11 $M_{\theta\theta}$-2.23 $M_{\phi\phi}$-1.88 $M_{r\theta}$1.60 $M_{\theta\phi}$1.70 $M_{\phi r}$-1.36 Best double couple: NP1: ϕ_s313.00000°,δ31.00000°,λ91.00000°. NP2:ϕ_s131.00000°,δ59.00000°,λ89.00000°. Principal axes: T 4.6400,Plg75.0000°,Azm39.0000°; N -0.3500,Plg0.0000°,Azm131.0000° ; P -4.2900,Plg14.0000°,Azm221.0000° $M_0$4.50000×10^{18} Moment Tensor Solution. $M_0$7.30000×10^{18}
MOS Error ellipse: s-maj=7.6km s-min=7.1km az=143.1.
SZGRF Southeast of Loyalty Islands.
BGS Error ellipse: s-maj=233.2km s-min=999.9km az=-1.0.
ISC I 15 07 35 00.7–4.0 23S–1.0 170.4E–.30 35 4.1b 10 3-72
NOU I 15 07 34 56.3–.88 20.04S 170.07E 10 3.0,2.4L **¶12081315**
IDC I 15 07 35 05.1–7.3 19.74S 168.85E 0 4.1L,4.1
ISC Event type ke.
NOU Error ellipse: s-maj=38.5km s-min=27.3km az=-1.0.
IDC Error ellipse: s-maj=169.2km s-min=31.4km az=118.0.
ISC I 15 07 43 40.7–.62 22.2S–.10 170.36E–.07 51 4.3b 64 3-151
IDC I 15 07 43 34.5–.81 21.94S 170.33E 0 4.6L,4.4 **¶12081316**
ISCJB I 15 07 43 38.6–.60 22.27S–.10 170.38E–.05 51 4.3b,4.4
NEIC I 15 07 43 39.1–.59 22.10S 170.37E 35 4.4b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=20.6km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=7.0km az=5.9.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.9km az=201.0.
ISC I 15 07 48 05.0–4.6 22.4S–.30 170.6E–.20 44–39 4.1b 22 3-148
IDC I 15 07 47 59.3–1.2 22.27S 170.69E 0 4.6L,4.1 **¶12081317**
NOU I 15 07 48 01.9–1.5 21.80S 170.84E 10 4.4L,2.9
ISCJB I 15 07 48 04.0–1.9 22.5S–.20 170.55E–.10 40–16 4.0b,2.9
ISC Event type ke.
ISCJB Event type ke.
ISC I 15 08 00 58.4–1.4 22.3S–.10 170.49E–.07 49–12 4.3b 81 3-166
NOU I 15 08 00 50.8–.95 20.88S 170.73E 10 3.6L,3.0 **¶12081318**
IDC I 15 08 00 51.6–.97 22.18S 170.57E 0 4.7L,4.4
ISCJB I 15 08 00 55.6–1.3 22.3S–.10 170.52E–.06 38–12 4.3b,4.4
NEIC I 15 08 00 56.8–.58 22.25S 170.52E 35 4.5b,4.4
SZGRF I 15 08 00 56.2 22.03S 171.08E 33 4.5b,4.4
ISC Event type se.
NOU Error ellipse: s-maj=55.7km s-min=21.4km az=-1.0.
IDC Error ellipse: s-maj=31.9km s-min=21.9km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=8.8km az=173.5.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=11.0km az=160.0.
SZGRF Southeast of Loyalty Islands.
ISC I 15 09 45 37.7–.83 22.7S–.20 170.51E–.09 28 4.0b 19 3-148
ISCJB I 15 09 45 35.5–.71 22.9S–.20 170.47E–.07 28 4.0b **¶12081323**
IDC I 15 09 45 35.2–1.7 21.98S 170.31E 0 4.3,4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.2km s-min=7.4km az=12.9.
IDC Error ellipse: s-maj=73.5km s-min=21.9km az=158.0.
ISC I 15 13 02 31.0–.31 22.60S–.05 170.61E–.04 33 5.0b,4.9s 263 3-166
IDC I 15 13 02 25.5–.65 22.54S 170.67E 0 4.9s,4.9 **¶11594719**
ISCJB I 15 13 02 29.2–.29 22.59S–.04 170.56E–.04 33 5.0b,4.9s
MOS I 15 13 02 30.5–1.4 22.39S 170.40E 35 5.1b,4.9s
DJA I 15 13 02 30 22.56S 170.76E 36 5.1b,4.9s
BJI I 15 13 02 30.4 22.60S 170.40E 35 5.5b,5.3s
NEIC I 15 13 02 31.2–.30 22.54S 170.43E 35 5.3b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=16.3km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=3.6.
MOS Error ellipse: s-maj=12.5km s-min=10.2km az=177.1.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.9km az=128.0.
ISC I 15 14 40 59.6–1.4 22.2S–.30 170.1E–.10 25 3.8b,3.5s 12 3-147
IDC I 15 14 40 53.2–2.2 22.51S 170.48E 0 3.9,3.8 **¶12081340**
ISC Event type ke.
IDC Error ellipse: s-maj=70.7km s-min=33.8km az=157.0.
ISC I 15 18 35 50.9–.50 22.51S–.09 170.66E–.09 34–3 4.7b 163 4-166
IDC I 15 18 35 45.5–.65 22.46S 170.69E 0 4.5,4.5 **¶11594728**
NOU I 15 18 35 46.7–1.3 20.78S 170.62E 10 3.0L,3.0
ISCJB I 15 18 35 48.0–2.4 22.50S–.07 170.61E–.04 26–17 4.6b,3.0
NEIC I 15 18 35 49.0–3.1 22.50S 170.68E 22–21 4.8b,3.0
SZGRF I 15 18 35 48.2 21.73S 170.91E 33 4.8b,3.0
MOS I 15 18 35 51.5–1.6 22.16S 170.38E 33 5.1b,3.0
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=17.6km az=160.0.
NOU Error ellipse: s-maj=89.3km s-min=37.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.5km az=7.8.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.0km az=208.0.
SZGRF Southeast of Loyalty Islands.
MOS Error ellipse: s-maj=18.3km s-min=12.7km az=23.6.
ISC I 15 18 45 25.9–3.4 22.3S–.80 170.4E–.20 35 3.7b 9 3-34
NOU I 15 18 45 20.3–.37 21.11S 170.58E 10 3.4,2.6L **¶12081354**
IDC I 15 18 45 26.8–8.7 22.02S 170.39E 48–59 3.7,3.6
ISC Event type ke.
NOU Error ellipse: s-maj=31.7km s-min=12.9km az=-1.0.
IDC Error ellipse: s-maj=98.0km s-min=62.8km az=2.0.
ISC I 15 20 33 21.0–.83 22.6S–.10 170.44E–.09 33 4.0b 28 3-148
IDC I 15 20 33 17.2–1.3 22.39S 170.50E 0 4.2,4.1 **¶12081364**
ISCJB I 15 20 33 19.8–.71 22.73S–.07 170.34E–.06 33 4.0b,4.1
NOU I 15 20 33 19.7–1.1 20.89S 170.31E 10 3.6L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=24.2km az=128.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=5.1km az=34.8.
NOU Error ellipse: s-maj=78.3km s-min=31.9km az=-1.0.
ISC I 15 21 14 51.6–1.3 22.5S–.40 170.6E–.10 33 3.9b 19 4-148
IDC I 15 21 14 46.4–1.8 22.71S 170.72E 0 4.1,4.0 **¶12081375**
ISCJB I 15 21 14 50.5–1.0 22.7S–.30 170.54E–.08 33 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC I 16 00 34 30.8–3.5 22.2S–.20 170.08E–.06 7–21 4.5s,4.1b 61 3-150
IDC I 16 00 34 28.5–1.6 22.20S 170.36E 0 4.3,4.2L **¶12081393**
NOU I 16 00 34 31.2–1.3 20.66S 170.18E 10 3.0,2.8L
NEIC I 16 00 34 35.5–1.0 22.03S 170.06E 35 4.3b,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=48.7km s-min=19.9km az=153.0.
NOU Error ellipse: s-maj=65.5km s-min=34.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=41.3km s-min=10.9km az=158.0.
ISC I 16 07 50 40.5–2.4 22.0S–.70 170.2E–.20 51 11 4-147
IDC I 16 07 50 34.3–3.1 22.06S 170.29E 0 3.9,3.8 **¶12081419**
ISC Event type ke.
IDC Error ellipse: s-maj=122.9km s-min=27.9km az=159.0.
ISC I 16 11 03 25.1–.91 21.2S–.20 169.6E–.10 30 4.0b 25 3-146
IDC I 16 11 03 20.7–1.0 21.24S 169.59E 0 4.1,3.9 **¶12081429**
ISCJB I 16 11 03 23.8–.91 21.3S–.20 169.6E–.10 30 4.0b,3.5s
NOU I 16 11 03 24.1–.53 20.44S 169.28E 10 3.1,2.5L
NEIC I 16 11 03 26.0–.72 21.24S 169.57E 35 4.3b,2.5L
ISC Event type ke.
IDC Error ellipse: s-maj=37.2km s-min=23.9km az=159.0.

ISCJB Event type ke. Error ellipse: s-maj=33.5km s-min=9.3km az=159.9.
NOU Error ellipse: s-maj=31.8km s-min=31.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=14.0km az=160.0.
ISC I 16 17 23 08.9–4.6 22.2S–.20 170.32E–.07 8–28 4.1b 54 3-148
IDC I 16 17 23 08.7–1.6 22.06S 170.21E 0 4.3,4.2 **¶12081456**
NOU I 16 17 23 09.8–.68 20.48S 170.02E 10 3.3L,4.2
NEIC I 16 17 23 12.2–.83 22.21S 170.48E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=50.8km s-min=21.0km az=153.0.
NOU Error ellipse: s-maj=27.8km s-min=16.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=11.9km az=157.0.
ISC I 16 17 24 56.6–.54 22.3S–.10 170.31E–.07 33 4.3b,3.8s 55 4-148
IDC I 16 17 24 51.6–1.1 22.23S 170.35E 0 4.4,4.3 **¶12081457**
ISCJB I 16 17 24 54.9–.44 22.24S–.08 170.32E–.06 33 4.4b,3.8s
NEIC I 16 17 24 57.0–.51 22.27S 170.28E 35 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=21.3km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=7.9km az=178.5.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=11.2km az=172.0.
ISC I 16 17 41 14.7–1.4 22.4S–.30 170.3E–.10 33 3.9b 16 3-148
NOU I 16 17 41 07.1–.49 19.94S 170.14E 10 3.4,3.0L **¶12081460**
IDC I 16 17 41 09.4–2.2 22.50S 170.44E 0 4.1,4.0b
ISCJB I 16 17 41 12.8–1.1 22.5S–.20 170.34E–.08 33 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC I 16 17 42 36.6–3.1 22.39S 170.17E 0 4.2,4.0
¶12081461
IDC Error ellipse: s-maj=73.6km s-min=49.7km az=174.0.
ISC I 16 18 29 32.3–.51 22.4S–.10 170.47E–.06 33 4.6b,3.8s 92 3-166
IDC I 16 18 29 27.5–.88 22.48S 170.46E 0 4.5,4.5L **¶12081464**
NOU I 16 18 29 28.8–1.2 20.12S 170.08E 10 3.3,2.9L
ISCJB I 16 18 29 30.7–.43 22.45S–.08 170.44E–.04 33 4.5b,3.8s
NEIC I 16 18 29 33.3–.41 22.53S 170.31E 35 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=18.4km az=150.0.
NOU Error ellipse: s-maj=59.0km s-min=44.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.4km az=178.8.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.5km az=161.0.
IDC I 16 19 04 04.8–2.1 22.74S 170.79E 0 3.9,3.8
¶12081467
IDC Error ellipse: s-maj=98.6km s-min=26.3km az=168.0.
ISC I 16 19 11 04.6–.39 22.42S–.06 170.29E–.04 62–2 4.8b 343 3-166
IDC I 16 19 10 56.0–.54 22.28S 170.50E 0 4.8,4.7 **¶13405772**
NOU I 16 19 10 58.8–.98 20.48S 170.09E 10 3.4L,3.4
ISCJB I 16 19 11 00.3–1.8 22.36S–.05 170.31E–.03 33–12 4.9b,4.4s
MOS I 16 19 11 01.8–1.9 22.23S 170.19E 33 4.9b,4.4s
NEIC I 16 19 11 01.5–.24 22.28S 170.44E 35 5.0b,4.4s
SZGRF I 16 19 11 01.2 22.59S 170.97E 33 5.4b,4.4s
BJI I 16 19 11 07.5 21.53S 170.33E 68 5.3b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=16.1km az=148.0.
NOU Error ellipse: s-maj=42.2km s-min=25.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.1km az=11.1.
MOS Error ellipse: s-maj=11.4km s-min=9.5km az=33.7.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.3km az=55.0.
SZGRF Southeast of Loyalty Islands.
IDC I 16 19 14 42.0–2.3 22.17S 170.37E 0 4.1,4.1
¶12081468
IDC Error ellipse: s-maj=62.8km s-min=26.6km az=146.0.
IDC I 16 19 16 38.2–3.2 22.80S 170.48E 0 4.0,3.9L
¶12081469
IDC Error ellipse: s-maj=116.2km s-min=41.1km az=159.0.
ISC I 16 19 55 25.0–.29 22.29S–.04 170.33E–.03 42–2 5.4s,5.2b 519 3-168
SZGRF I 16 19 55 17.5 22.22S 172.38E 33 5.2b,5.2b **¶13989135**
DJA I 16 19 55 17 22.58S 170.83E 10 5.3b,5.2b
NOU I 16 19 55 18.9–1.1 20.72S 170.31E 10 3.7,3.5L
IDC I 16 19 55 19.2–.49 22.22S 170.18E 0 5.1,5.1s
ISCJB I 16 19 55 19.5–1.2 22.33S–.04 170.33E–.03 16–8 5.3s,5.1b
NEIC I 16 19 55 22.3–1.8 22.30S 170.27E 22–12 5.8W,5.5s
BJI I 16 19 55 22.8 22.10S 170.58E 40 5.7b,5.4s
BGS I 16 19 55 23.5–4.7 22.30S 170.27E 22 5.3b,5.4s
MOS I 16 19 55 24.8–1.9 22.07S 169.92E 33 5.3b,5.1s
ISC Event type se.
SZGRF Southeast of Loyalty Islands.
NOU Error ellipse: s-maj=53.6km s-min=25.3km az=-1.0.
IDC Error ellipse: s-maj=15.7km s-min=13.7km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=1.2.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.9km az=54.0.
BGS Error ellipse: s-maj=225.1km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=11.6km s-min=8.7km az=131.8.
ISC I 16 20 02 58.3–1.4 21.7S–.30 169.9E–.10 25 3.9b 27 3-150
IDC I 16 20 02 53.1–2.0 21.92S 170.10E 0 4.0,3.9L **¶12081472**
NEIC I 16 20 02 58.5–1.1 21.95S 170.05E 35 4.4b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=61.1km s-min=25.9km az=147.0.
NEIC Event type se. Error ellipse: s-maj=34.4km s-min=13.5km az=149.0.
ISC I 16 20 05 24.3–.36 22.27S–.07 170.36E–.06 51 5.0s,4.8b 259 3-166
IDC I 16 20 05 17.4–.61 22.21S 170.46E 0 4.8s,4.8 **¶11596055**
NEIC I 16 20 05 22.5–.35 22.29S 170.38E 35 5.0b,4.8
SZGRF I 16 20 05 22.0 22.23S 171.21E 33 5.0b,4.8
MOS I 16 20 05 23.7–1.6 21.77S 170.05E 33 5.2b,4.8
ISCJB I 16 20 05 23.1–.28 22.30S–.05 170.28E–.04 51 4.8b,4.7s
BJI I 16 20 05 27.0 21.45S 170.45E 63 5.3s,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=16.8km az=144.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.9km az=163.0.
SZGRF Southeast of Loyalty Islands.
MOS Error ellipse: s-maj=13.3km s-min=10.4km az=6.7.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.1km az=178.1.
IDC I 16 20 18 44.8–3.4 22.82S 170.27E 0 3.8,3.6L
¶12081473
IDC Error ellipse: s-maj=109.1km s-min=53.6km az=5.0.
IDC I 16 21 04 51.5–3.4 22.48S 170.42E 0 3.9,3.8L
¶12081480
IDC Error ellipse: s-maj=121.3km s-min=40.3km az=157.0.
ISC I 16 21 37 35.2–1.2 22.1S–.30 170.2E–.10 51 4.0b 18 4-166
IDC I 16 21 37 27.8–1.4 22.26S 170.36E 0 4.2,4.2 **¶12081482**
ISCJB I 16 21 37 33.8–1.0 22.2S–.20 170.20E–.09 51 3.9b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC I 16 21 47 17.8–2.0 22.2S–.50 170.3E–.10 25 3.8b 10 4-148
IDC I 16 21 47 13.3–2.8 22.13S 170.25E 0 4.0,3.9L **¶12081484**
ISC Event type ke.
IDC Error ellipse: s-maj=80.2km s-min=30.1km az=151.0.
ISC I 16 22 29 30.6–2.5 22.0S–.80 170.3E–.20 51 3.5b 11 3-147
IDC I 16 22 29 24.2–3.2 22.86S 170.49E 0 4.1L,4.1 **¶12081488**
NOU I 16 22 29 26.1–.98 20.25S 170.12E 10 3.6,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=120.0km s-min=47.8km az=164.0.
NOU Error ellipse: s-maj=46.5km s-min=28.9km az=-1.0.
ISC I 16 23 03 00.6–.73 22.50S–.08 170.40E–.05 48–5 4.8b,4.5s 241 3-166
NOU I 16 23 02 53.4–1.4 20.72S 170.48E 10 3.6L,3.6 **¶11596067**
IDC I 16 23 02 53.6–.69 22.46S 170.52E 0 4.6,4.6
SZGRF I 16 23 02 55.1 21.97S 171.47E 33 4.6,4.6
ISCJB I 16 23 02 56.6–2.1 22.49S–.08 170.40E–.04 28–15 4.8b,4.4s
NEIC I 16 23 02 59.1–.41 22.50S 170.42E 35 4.8b,4.4s
MOS I 16 23 03 00.5–1.9 21.86S 170.06E 33 5.1b,4.4s
BJI I 16 23 03 01.4 22.04S 170.64E 61 5.2b,5.1s
ISC Event type se.
NOU Error ellipse: s-maj=73.9km s-min=34.4km az=-1.0.
IDC Error ellipse: s-maj=23.1km s-min=16.9km az=157.0.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=5.8km az=179.6.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.8km az=164.0.
MOS Error ellipse: s-maj=14.4km s-min=10.4km az=15.4.
IDC I 17 03 06 01.6–8.8 21.36S 170.13E 60–58 3.9L,3.6
¶12081508
IDC Error ellipse: s-maj=123.2km s-min=59.7km az=169.0.
IDC I 17 05 09 21.2–5.5 21.96S 170.63E 86–41 4.1,4.1
¶12081512
IDC Error ellipse: s-maj=42.5km s-min=30.5km az=42.0.
ISC I 17 07 14 52.2–.44 22.29S–.07 170.52E–.05 41–2 4.8b,4.4s 287 4-166
IDC I 17 07 14 46.1–.60 22.26S 170.51E 0 4.7,4.6b **¶11596160**
SZGRF I 17 07 14 48.3 21.50S 170.58E 33 4.7,4.6b
ISCJB I 17 07 14 50.4–.31 22.25S–.05 170.45E–.05 38 4.8b,4.4s
NEIC I 17 07 14 51.5–.29 22.18S 170.49E 35 4.8b,4.4s
MOS I 17 07 14 51.7–1.6 21.88S 170.28E 33 5.1b,4.4s
BJI I 17 07 14 54.0 21.63S 170.33E 45 5.2s,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=15.2km az=139.0.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.8km az=148.2.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=7.2km az=159.0.
MOS Error ellipse: s-maj=14.1km s-min=11.4km az=12.1.
IDC I 17 18 43 56.1–2.2 22.26S 170.08E 0 3.9,3.9L
¶12081559
IDC Error ellipse: s-maj=70.8km s-min=35.5km az=159.0.
IDC I 18 04 02 37.0–12 21.37S 169.79E 0 3.7,3.5b
¶12081598
IDC Error ellipse: s-maj=368.0km s-min=61.9km az=139.0.
ISC I 18 11 53 31.1–.48 22.6S–.10 170.79E–.07 42 4.7b,4.3s 114 4-166
IDC I 18 11 53 24.7–.69 22.65S 170.83E 0 4.6,4.4 **¶11667130**
ISCJB I 18 11 53 29.5–.42 22.70S–.09 170.72E–.06 42 4.6b,4.3s
NEIC I 18 11 53 30.3–.40 22.67S 170.77E 35 4.7b,4.3s
SZGRF I 18 11 53 31.3 21.50S 173.50E 33 4.7b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=17.1km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=7.3km az=173.9.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.7km az=161.0.
SZGRF Vanuatu Islands region.
ISC I 18 12 19 21.5–.42 22.52S–.06 170.69E–.05 65–3 4.8b 417 4-166
IDC I 18 12 19 12.5–.47 22.37S 170.75E 0 4.7,4.7 **¶11596333**
SZGRF I 18 12 19 17.6 22.69S 170.56E 33 4.7,4.7
ISCJB I 18 12 19 18.8–1.3 22.42S–.05 170.56E–.05 48–11 4.8b,4.3s
NEIC I 18 12 19 18.8–.30 22.41S 170.60E 35 4.9b,4.3s
MOS I 18 12 19 18.8–1.8 22.18S 170.46E 33 4.8b,4.3s
BJI I 18 12 19 19.7 22.15S 171.28E 68 5.2s,5.2b
BGS I 18 12 19 20.2–5.0 22.41S 170.60E 33 4.9b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=14.2km az=159.0.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=8.0km az=158.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.4km az=161.0.
MOS Error ellipse: s-maj=12.5km s-min=9.2km az=166.8.
BGS Error ellipse: s-maj=208.3km s-min=999.9km az=-1.0.
ISC I 19 03 35 19.5–.34 22.56S–.04 170.96E–.03 16–1 6.4s,5.7b 1146 4-168
SZGRF I 19 03 35 15.4 22.88S 172.71E 33 6.5b,5.7b **¶12790412**
IDC I 19 03 35 16.8–.32 22.60S 170.90E 0 6.1,6.1
NOU I 19 03 35 17.7–1.2 20.14S 170.61E 10 3.6,3.3L
NEIC I 19 03 35 18.8–.15 22.60S 170.91E 12 6.5W,6.4s
ISCJB I 19 03 35 18.1–1.2 22.60S–.03 170.86E–.02 15–8 6.3s,5.6b
LDG I 19 03 35 19.5–.11 22.22S 170.11E 10 6.4s,5.8b
BJI I 19 03 35 19.3 21.94S 171.26E 21 6.4s,6.2b
MOS I 19 03 35 20.5–1.4 22.58S 170.82E 33 6.3s,5.9b
DJA I 19 03 35 25 22.70S 170.35E 13 6.5W,5.9b
ISC Event type ke.
SZGRF Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=13.4km s-min=11.0km az=22.0.
NOU Error ellipse: s-maj=68.7km s-min=40.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=5.2km az=152.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s110.00000°,δ75.00000° ,λ85.00000°. NP2:ϕ_s309.00000°,δ16.00000°,λ108.00000°. Principal axes: T Plg60.0000° ,Azm13.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm204.0000° Moment Tensor Solution. s63 Moment tensor: Scale 10^{18}Nm; M_{rr}3.33 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-2.51 $M_{r\theta}$3.71 $M_{\theta\phi}$0.31 $M_{\phi r}$-0.15 Best double couple: NP1:ϕ_s331.00000°,δ22.00000°,λ129.00000°. NP2: ϕ_s110.00000°,δ73.00000°,λ76.00000°. Principal axes: T 5.5100,Plg59.0000°,Azm359.0000° ; N -2.3300,Plg13.0000°,Azm113.0000°; P -3.1700,Plg26.0000°,Azm210.0000° $M_0$4.80000×10^{18}
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.6km az=173.2.
LDG Event type ke. Error ellipse: s-maj=13.8km s-min=2.7km az=177.0.
MOS Error ellipse: s-maj=8.9km s-min=8.4km az=46.3.
IDC I 19 03 42 58.0–2.8 22.64S 171.05E 0 4.0L,3.9
¶12081702
IDC Error ellipse: s-maj=141.3km s-min=37.9km az=164.0.
ISC I 19 03 46 37.7–.38 22.53S–.06 170.84E–.06 37–2 5.7s,5.3b 672 4-166
IDC I 19 03 46 31.6–.40 22.52S 170.86E 0 5.8,5.8s **¶12790413**
NOU I 19 03 46 33.9–1.2 22.62S 170.99E 10 3.5L,3.3
ISCJB I 19 03 46 34.4–2.1 22.48S–.05 170.73E–.03 22–14 5.8s,5.2b
MOS I 19 03 46 34.9–2.0 22.82S 170.85E 33 5.5b,5.2b
NEIC I 19 03 46 37.5–.19 22.48S 170.81E 35 5.3b,5.2b
BJI I 19 03 46 43.4 21.89S 170.74E 75 5.4s,5.4
DJA I 19 03 47 03 22.50S 169.79E 208 5.2b,5.4
SZGRF I 19 03 47 06.7 22.74S 172.34E 290 5.2b,5.4
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=13.6km az=169.0.
NOU Error ellipse: s-maj=203.8km s-min=22.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.6km az=6.3.
MOS Error ellipse: s-maj=25.8km s-min=13.7km az=171.9.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=6.0km az=160.0.
SZGRF Southeast of Loyalty Islands.
ISC I 19 03 47 49.9–.82 22.6S–.20 170.83E–.08 32 4.8b 47 4-148
NOU I 19 03 46 32.9–1.9 21.96S 171.05E 10 3.8L,3.4 **¶12699008**
IDC I 19 03 47 44.7–.96 22.76S 171.00E 0 5.0,4.9
ISCJB I 19 03 47 49.0–.79 22.6S–.20 170.71E–.08 32 4.7b,4.9
NEIC I 19 03 47 50.2–.73 22.58S 170.83E 35 4.8b,4.9
ISC Event type se.
NOU Error ellipse: s-maj=227.2km s-min=22.3km az=-1.0.
IDC Error ellipse: s-maj=46.4km s-min=17.7km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=31.8km s-min=9.3km az=172.3.
NEIC Event type se. Error ellipse: s-maj=37.8km s-min=10.1km az=165.0.
IDC I 19 03 51 13.6–2.0 22.68S 170.90E 0 4.3,4.2
¶12081705
IDC Error ellipse: s-maj=78.5km s-min=22.8km az=158.0.
ISC I 19 03 51 35.2–.51 22.4S–.10 170.86E–.08 42 4.3b 78 4-166
SZGRF I 19 03 51 27.9 22.04S 172.37E 33 4.3b **¶12081706**
IDC I 19 03 51 29.0–.63 22.38S 170.93E 0 4.5,4.4b
ISCJB I 19 03 51 34.4–.60 22.4S–.10 170.78E–.07 42 4.3b,4.4b
NEIC I 19 03 51 34.4–.46 22.39S 170.86E 35 4.5b,4.4b
ISC Event type se.
SZGRF Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=22.6km s-min=19.0km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=9.5km az=2.3.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=12.4km az=171.0.
IDC I 19 04 04 13.0–2.2 22.14S 170.41E 0 4.2,4.0
¶12081707
IDC Error ellipse: s-maj=103.8km s-min=30.0km az=160.0.
ISC I 19 04 05 15.6–.86 22.7S–.20 170.88E–.09 42 4.2b 25 4-166
IDC I 19 04 05 10.2–1.2 22.52S 170.81E 0 4.3,4.1b **¶12081708**
ISCJB I 19 04 05 14.0–.89 22.7S–.20 170.85E–.08 42 4.1b,4.1b
NEIC I 19 04 05 14.8–.59 22.83S 170.88E 35 4.7b,4.1b
ISC Event type ke.

IDC Error ellipse: s-maj=67.5km s-min=22.6km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=32.0km s-min=9.3km az=170.7.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=7.6km az=172.0.
ISC I 19 05 18 26.6–.58 22.5S–.10 170.79E–.07 42 4.2b 75 4-166
IDC I 19 05 18 20.6–1.1 22.43S 170.81E 0 4.5,4.5s **¶12081716**
NOU I 19 05 18 21.6–1.1 20.95S 170.90E 10 3.6L,3.3
ISCJB I 19 05 18 25.1–.53 22.5S–.10 170.74E–.05 42 4.7s,4.3b
NEIC I 19 05 18 26.1–.53 22.57S 170.74E 35 4.4b,4.3b
SZGRF I 19 05 18 31.6 21.16S 169.33E 33 4.4b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=18.1km az=159.0.
NOU Error ellipse: s-maj=109.2km s-min=39.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=6.2km az=178.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.9km az=165.0.
SZGRF Southeast of Loyalty Islands.
ISC I 19 05 27 23.9–.70 22.6S–.20 170.72E–.07 42 4.1b 39 4-166
IDC I 19 05 27 17.8–.95 22.71S 170.80E 0 4.4,4.2b **¶12081718**
NEIC I 19 05 27 20.7–4.4 22.68S 170.73E 18–27 4.2b,4.2b
ISCJB I 19 05 27 22.0–.66 22.6S–.20 170.69E–.05 42 4.1b,4.2b
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC I 19 05 29 03.2–.59 22.7S–.20 170.74E–.08 33 4.5s,4.3b 62 4-166
IDC I 19 05 28 57.8–.73 22.79S 170.83E 0 4.5,4.5 **¶12081719**
ISCJB I 19 05 29 01.2–.63 22.8S–.10 170.72E–.06 33 4.2b,3.9s
NEIC I 19 05 29 03.5–.49 22.63S 170.72E 35 4.3b,3.9s
SZGRF I 19 05 29 06.8 20.84S 172.50E 33 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=20.0km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=8.1km az=172.6.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=10.1km az=167.0.
SZGRF Vanuatu Islands region.
ISC I 19 06 39 16.6–1.0 22.7S–.30 170.82E–.10 42 4.3b 19 4-166
NOU I 19 06 39 09.0–1.0 19.26S 170.27E 10 4.1L,3.3 **¶12081724**
IDC I 19 06 39 10.6–1.2 22.78S 170.84E 0 4.4,4.3L
ISCJB I 19 06 39 15.1–.96 22.9S–.20 170.77E–.08 42 4.1b,4.3L
ISC Event type ke.
ISCJB Event type ke.
ISC I 19 08 03 12.0–.74 22.3S–.10 170.72E–.08 38–2 4.3b,4.1s 55 4-166
IDC I 19 08 03 06.0–.93 22.24S 170.79E 0 4.4,4.2 **¶12081734**
ISCJB I 19 08 03 09.7–1.5 22.3S–.10 170.73E–.06 35–12 4.2b,4.1s
NEIC I 19 08 03 11.5–.47 22.28S 170.75E 35 4.3b,4.1s
NOU I 19 08 03 11.6–1.4 19.84S 170.00E 10 3.3,3.0L
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=19.9km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=8.9km az=170.5.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.6km az=159.0.
NOU Error ellipse: s-maj=57.5km s-min=49.8km az=-1.0.
ISC I 19 09 13 13.4–.80 22.6S–.20 170.83E–.08 42 4.3b 42 4-166
IDC I 19 09 13 06.6–1.1 22.67S 170.99E 0 4.5,4.4b **¶12081737**
ISCJB I 19 09 13 11.9–.76 22.6S–.10 170.76E–.07 42 4.3b,3.5s
NEIC I 19 09 13 12.0–.68 22.65S 170.91E 35 4.4b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=23.8km az=178.0.
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=8.1km az=9.7.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=12.6km az=167.0.
ISC I 19 10 02 46.0–1.9 22.4S–.60 170.8E–.10 42 3.6b 13 4-151
IDC I 19 10 02 40.5–3.0 22.31S 170.82E 0 3.9,3.8L **¶12081740**
NOU I 19 10 02 45.0–1.0 19.64S 169.96E 10 3.2,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=121.8km s-min=35.6km az=158.0.
NOU Error ellipse: s-maj=40.2km s-min=34.6km az=-1.0.
ISC I 19 10 17 18.5–1.6 22.7S–.40 170.93E–.09 42 4.0b 15 4-151
IDC I 19 10 17 12.5–1.6 22.65S 170.99E 0 4.2,4.0 **¶12081742**
NOU I 19 10 17 15.8–.61 19.95S 170.47E 10 3.4,2.8L
ISCJB I 19 10 17 17.2–1.1 22.7S–.30 170.88E–.06 42 3.9b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC I 19 11 28 00.9–1.2 22.6S–.30 170.72E–.09 42 3.9b 17 4-148
IDC I 19 11 27 54.3–1.5 22.82S 170.93E 0 4.1,4.0 **¶12081747**
ISCJB I 19 11 28 00.1–.88 22.7S–.20 170.65E–.06 42 3.8b,4.0
NOU I 19 11 28 01.9–.89 19.90S 170.00E 10 3.3,2.8s
ISC Event type ke.
IDC Error ellipse: s-maj=64.7km s-min=21.7km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=33.0km s-min=8.0km az=2.4.
NOU Error ellipse: s-maj=34.9km s-min=27.1km az=-1.0.
ISC I 19 11 58 24.2–1.0 22.9S–.20 170.87E–.09 31 4.0b 18 4-148
IDC I 19 11 58 19.2–1.4 22.95S 170.94E 0 4.3,4.3L **¶12081752**
NOU I 19 11 58 19.9–1.1 19.19S 170.04E 10 3.4L,3.1
ISCJB I 19 11 58 22.5–.83 23.0S–.20 170.86E–.07 31 4.0b,3.1
ISC Event type ke.
ISCJB Event type ke.
IDC I 19 16 15 41.3–3.0 23.00S 171.09E 0 3.9,3.8L
¶12081775
IDC Error ellipse: s-maj=106.6km s-min=41.1km az=159.0.
ISC I 19 16 42 02.7–.63 22.7S–.10 170.93E–.07 42 4.4b,3.6s 96 4-166
SZGRF I 19 16 41 55.0 23.17S 172.49E 33 4.4b,3.6s **¶11671794**
IDC I 19 16 41 56.1–1.0 22.75S 171.05E 0 4.5,4.5L
NOU I 19 16 41 57.7–2.6 20.14S 170.68E 10 3.2L,3.2
ISCJB I 19 16 42 01.3–.56 22.7S–.10 170.85E–.04 42 4.4b,3.8s
NEIC I 19 16 42 02.1–.64 22.73S 170.88E 35 4.7b,3.8s
ISC Event type se.
SZGRF Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=36.1km s-min=18.6km az=162.0.
NOU Error ellipse: s-maj=136.1km s-min=83.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=5.8km az=178.1.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=10.7km az=163.0.
ISC I 19 20 50 36.7–1.4 22.5S–.40 169.9E–.10 21 3.9b 11 3-148
IDC I 19 20 50 47.9–6.6 21.54S 169.29E 94–39 3.9,3.7 **¶12081798**
ISC Event type ke.
IDC Error ellipse: s-maj=99.1km s-min=48.8km az=138.0.
ISC I 19 22 26 54.6–.34 22.81S–.04 170.77E–.04 17–1 5.5b,5.2s 867 4-169
SZGRF I 19 22 26 50.5 23.47S 171.55E 33 5.5b,5.2s **¶11611023**
IDC I 19 22 26 51.6–.42 22.83S 170.75E 0 5.0,5.0s
BJI I 19 22 26 54.0 22.10S 171.02E 13 5.7b,5.4s
ISCJB I 19 22 26 55.4–1.6 22.83S–.04 170.69E–.03 31–11 5.3b,5.2s
MOS I 19 22 26 56.7–1.4 22.68S 170.72E 33 5.6b,5.2s
NEIC I 19 22 26 57.4–.13 22.79S 170.74E 35 5.5b,5.3s
NOU I 19 22 26 59.9–.69 18.93S 168.46E 30 3.6,3.3L
DJA I 19 22 27 13 22.91S 170.18E 148 5.3W,3.3L
ISC Event type se.
SZGRF Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=15.6km s-min=12.9km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.3km az=172.9.
MOS Error ellipse: s-maj=9.7km s-min=8.5km az=6.5.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=4.0km az=151.0.
NOU Error ellipse: s-maj=34.4km s-min=88.5km az=-1.0.
ISC I 19 22 37 48.3–1.2 23.2S–.30 170.75E–.08 31 3.9b 24 4-149
IDC I 19 22 37 43.0–2.0 23.35S 170.92E 0 4.0L,4.0 **¶12081808**
ISCJB I 19 22 37 46.9–.94 23.2S–.20 170.75E–.07 31 3.9b,4.0
NEIC I 19 22 37 48.8–.99 23.26S 170.77E 35 4.2b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=95.0km s-min=26.8km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=29.9km s-min=9.5km az=174.7.
NEIC Event type se. Error ellipse: s-maj=39.0km s-min=9.6km az=163.0.
ISC I 19 23 16 34.8–.61 22.8S–.10 170.68E–.08 42 4.3b 57 4-166
IDC I 19 23 16 28.6–.91 22.67S 170.72E 0 4.5,4.3 **¶12081810**
NEIC I 19 23 16 29.8–3.8 22.67S 170.71E 8–24 4.3b,4.3
ISCJB I 19 23 16 32.8–.62 22.72S–.10 170.66E–.07 42 4.4b,4.0s
ISC Event type ke.
NEIC Event type se.

ISCJB Event type ke.
IDC I 20 01 06 01.9–2.2 22.50S 170.79E 0 3.8,3.7
¶12081817
IDC Error ellipse: s-maj=123.1km s-min=26.5km az=168.0.
ISC I 20 04 25 35.6–.58 22.7S–.10 171.00E–.07 42 4.2b 64 4-166
IDC I 20 04 25 29.5–.86 22.66S 171.16E 0 4.4,4.2 **¶12081829**
SZGRF I 20 04 25 30.6 21.95S 172.14E 33 4.4,4.2
ISCJB I 20 04 25 33.9–.59 22.65S–.10 171.02E–.05 42 4.2b,3.4s
NEIC I 20 04 25 35.0–.51 22.66S 171.03E 35 4.3b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=28.1km s-min=26.1km az=99.0.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=7.2km az=0.7.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.4km az=164.0.
ISC I 20 06 35 56.7–.71 22.9S–.20 171.05E–.08 31 4.4b 43 4-166
IDC I 20 06 35 52.1–.85 22.79S 171.06E 0 4.4,4.2 **¶12081842**
ISCJB I 20 06 35 55.3–.64 23.0S–.10 170.93E–.06 31 4.3b,3.1s
NEIC I 20 06 35 57.4–.62 23.00S 170.94E 35 4.5b,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=21.8km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=7.5km az=178.1.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=10.1km az=165.0.
IDC I 20 06 41 08.1–2.6 22.62S 171.01E 0 3.8,3.6
¶12081843
IDC Error ellipse: s-maj=112.4km s-min=39.6km az=171.0.
ISC I 20 17 17 24.6–1.5 22.8S–.30 170.5E–.10 33 4.0b,3.4s 18 3-148
IDC I 20 17 17 19.5–2.2 22.69S 170.57E 0 4.3,4.1b **¶12081881**
NOU I 20 17 17 20.9–1.0 21.46S 170.74E 10 3.3,2.6L
ISC Event type ke.
IDC Error ellipse: s-maj=53.0km s-min=36.3km az=162.0.
NOU Error ellipse: s-maj=116.7km s-min=25.6km az=-1.0.
ISC I 20 20 07 30.9–1.2 22.8S–.30 171.0E–.10 31 4.0b 21 4-166
IDC I 20 20 07 26.3–1.9 22.72S 171.03E 0 4.0,3.9L **¶12081894**
NEIC I 20 20 07 32.3–.97 22.84S 170.87E 35 4.4b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=69.4km s-min=36.4km az=177.0.
NEIC Event type se. Error ellipse: s-maj=30.8km s-min=16.8km az=206.0.
IDC I 20 23 26 37.1–2.9 22.18S 170.86E 0 3.7L,3.7
¶12081909
IDC Error ellipse: s-maj=119.5km s-min=41.1km az=167.0.
ISC I 21 02 19 15.8–.45 22.71S–.05 171.05E–.04 35–1 4.8b,4.7s 344 4-166
IDC I 21 02 19 09.8–.46 22.75S 171.12E 0 4.6,4.5s **¶12790422**
NOU I 21 02 19 12.1–1.0 20.24S 170.76E 10 3.6,3.1L
ISCJB I 21 02 19 13.9–1.9 22.81S–.06 170.92E–.04 32–13 4.7b,4.6s
SZGRF I 21 02 19 14.2 22.58S 172.38E 33 4.7b,4.6s
NEIC I 21 02 19 15.4–.27 22.75S 171.02E 35 4.9b,4.6s
MOS I 21 02 19 16.9–1.6 22.23S 170.63E 33 5.0b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=13.0km s-min=9.4km az=161.0.
NOU Error ellipse: s-maj=61.4km s-min=34.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.7km az=0.0.
SZGRF Southeast of Loyalty Islands.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.4km az=167.0.
MOS Error ellipse: s-maj=14.3km s-min=10.3km az=176.1.
ISC I 21 02 26 21.8–1.1 22.8S–.30 171.0E–.10 31 3.8b 13 4-166
IDC I 21 02 26 17.5–1.0 22.92S 171.12E 0 4.1L,4.1 **¶12081925**
ISCJB I 21 02 26 20.3–1.2 23.0S–.30 171.0E–.10 31 3.9b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC I 21 02 27 44.0–1.5 22.70S 171.13E 0 4.2,4.0
¶12081926
IDC Error ellipse: s-maj=79.1km s-min=27.5km az=167.0.
IDC I 21 02 29 42.3–3.5 21.66S 170.57E 0 3.9,3.7
¶12081928
IDC Error ellipse: s-maj=223.0km s-min=28.5km az=161.0.
ISC I 21 02 30 20.5–.45 22.49S–.10 170.93E–.07 42 4.4b 122 4-166
SZGRF I 21 02 30 13.1 22.73S 172.58E 33 4.4b **¶12081929**
IDC I 21 02 30 14.0–.72 22.61S 171.07E 0 4.4L,4.4
ISCJB I 21 02 30 19.6–.44 22.57S–.08 170.85E–.05 42 4.4b,4.4
NEIC I 21 02 30 19.8–.38 22.50S 171.01E 35 4.6b,4.4
ISC Event type se.
SZGRF Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=28.7km s-min=19.2km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.5km az=179.3.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.4km az=170.0.
ISC I 21 02 39 01.9–.54 22.6S–.10 170.94E–.07 42 4.5b 118 4-166
IDC I 21 02 38 55.5–.78 22.71S 171.04E 0 4.4,4.4 **¶11671797**
NEIC I 21 02 38 56.7–7.1 22.81S 171.06E 10–41 4.7b,4.4
NOU I 21 02 38 56.9–1.2 22.22S 171.26E 10 4.4L,3.5
ISCJB I 21 02 39 00.5–.51 22.8S–.10 170.84E–.04 42 4.4b,3.9s
SZGRF I 21 02 40 12.3 20.74S 172.95E 33 4.4b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=17.5km az=167.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=14.0km az=145.0.
NOU Error ellipse: s-maj=133.1km s-min=10.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=5.3km az=178.9.
SZGRF Vanuatu Islands region.
ISC I 21 06 05 02.7–2.4 22.6S–.80 171.1E–.10 42 3.6b 10 4-148
IDC I 21 06 04 59.0–2.5 22.86S 171.02E 0 4.0L,3.9 **¶12081954**
NOU I 21 06 05 01.3–1.6 20.35S 170.85E 10 3.2,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=98.5km s-min=41.2km az=174.0.
NOU Error ellipse: s-maj=103.5km s-min=53.9km az=-1.0.
ISC I 21 17 08 43.6–.32 22.68S–.04 171.15E–.04 29–1 5.8s,5.4b 1304 4-169
SZGRF I 21 17 08 37.6 23.07S 173.22E 33 6.0b,5.4b **¶13433910**
NOU I 21 17 08 38.2–1.3 19.94S 170.82E 10 3.7,3.2L
IDC I 21 17 08 39.2–.43 22.62S 171.00E 0 5.6s,5.6
LDG I 21 17 08 41.1–.09 21.96S 171.25E 10 5.8s,5.6b
NEIC I 21 17 08 43.0–.14 22.69S 171.04E 24 6.1W,5.9W
ISCJB I 21 17 08 42.8–.12 22.64S–.03 170.98E–.02 30 5.8s,5.4b
DJA I 21 17 08 42 22.60S 171.10E 17 5.9W,5.4b
BJI I 21 17 08 43.5 21.79S 171.42E 25 6.0b,5.9s
MOS I 21 17 08 44.4–1.2 22.40S 170.97E 33 5.8s,5.6b
BGS I 21 17 08 45.7–5.1 22.69S 171.04E 24 5.4b,5.6b
TEH I 21 17 08 45.0 22.73S 170.98E 35 5.9L,5.6b
ISC Event type ke.
SZGRF Southeast of Loyalty Islands.
NOU Error ellipse: s-maj=65.9km s-min=41.2km az=-1.0.
IDC Error ellipse: s-maj=15.0km s-min=13.0km az=169.0.
LDG Event type ke. Error ellipse: s-maj=10.7km s-min=3.7km az=172.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=153.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s100.00000°,δ70.00000° ,λ90.00000°. NP2:ϕ_s280.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000° ,Azm10.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm190.0000° Moment Tensor Solution. s49 Moment tensor: Scale 10^{17}Nm; M_{rr}7.61 $M_{\theta\theta}$-7.32 $M_{\phi\phi}$-0.29 $M_{r\theta}$4.35 $M_{\theta\phi}$3.41 $M_{\phi r}$-1.95 Best double couple: NP1:ϕ_s291.00000°,δ30.00000°,λ88.00000°. NP2:ϕ_s113.00000° ,δ60.00000°,λ91.00000°. Principal axes: T 8.9000,Plg74.0000°,Azm26.0000° ; N 1.0800,Plg1.0000°,Azm292.0000°; P -9.9900,Plg15.0000°,Azm202.0000° $M_0$9.50000×10^{17}
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.6km az=172.6.
MOS Error ellipse: s-maj=9.3km s-min=8.2km az=127.1.
BGS Error ellipse: s-maj=165.1km s-min=999.9km az=-1.0.
IDC I 21 17 20 40.9–2.3 23.25S 170.88E 0 3.8,3.6
¶12081985
IDC Error ellipse: s-maj=84.4km s-min=40.4km az=175.0.
ISC I 21 17 22 44.5–.65 22.7S–.20 171.02E–.07 42 4.2b 50 4-166
IDC I 21 17 22 38.1–.71 22.77S 171.11E 0 4.4L,4.4 **¶12081986**
VIE I 21 17 22 39.4 22.58S 170.92E 0 4.2b,4.4
ISCJB I 21 17 22 43.0–.63 22.8S–.10 170.98E–.05 42 4.2b,4.4
ISC Event type ke.

VIE 602 km SSE of Port Vila .
ISCJB Event type ke.
IDC I 21 17 30 45.5–2.5 22.82S 170.93E 0 4.0,3.8L
¶12081987

IDC Error ellipse: s-maj=97.6km s-min=40.0km az=172.0.
IDC I 21 17 34 35.3–2.6 22.59S 170.97E 0 3.7,3.6
¶12081988

IDC Error ellipse: s-maj=109.6km s-min=39.2km az=169.0.
IDC I 21 17 42 20.1–1.6 22.76S 170.97E 0 4.3,4.1L
¶12081989

IDC Error ellipse: s-maj=61.4km s-min=23.4km az=160.0.
ISC I 21 17 53 12.4–1.6 22.9S–.50 170.9E–.10 31 3.7b 17 4-148
IDC I 21 17 53 07.9–2.3 22.88S 170.93E 0 4.2L,4.0 **¶12081991**
NOU I 21 17 53 09.8–1.1 19.99S 170.52E 10 3.2,2.7L
ISC Event type ke.
IDC Error ellipse: s-maj=82.1km s-min=35.7km az=167.0.
NOU Error ellipse: s-maj=55.7km s-min=36.3km az=-1.0.
IDC I 21 18 00 46.7–2.8 22.76S 170.91E 0 3.5,3.4L
¶12081992

IDC Error ellipse: s-maj=115.7km s-min=43.5km az=176.0.
ISC I 21 18 45 59.8–.47 22.87S–.09 170.89E–.06 31 4.3b 84 4-166
IDC I 21 18 45 54.5–.82 22.76S 171.00E 0 4.4,4.2b **¶12790426**
NOU I 21 18 45 55.9–.85 20.30S 170.75E 10 3.3,3.1L
ISCJB I 21 18 45 58.0–.45 22.94S–.07 170.84E–.04 31 4.3b,3.8s
NEIC I 21 18 46 00.4–.46 22.87S 170.84E 35 4.5b,3.8s
SZGRF I 21 18 46 03.3 21.18S 171.65E 33 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=18.9km az=167.0.
NOU Error ellipse: s-maj=55.4km s-min=31.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.5km az=10.4.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.1km az=222.0.
SZGRF Southeast of Loyalty Islands.
IDC I 21 19 01 05.3–2.4 22.84S 170.95E 0 3.8L,3.8
¶12082001

IDC Error ellipse: s-maj=99.5km s-min=38.7km az=172.0.
ISC I 21 19 46 22.1–.97 22.7S–.30 170.9E–.10 42 4.0b 43 4-166
SZGRF I 21 19 46 14.8 22.78S 173.20E 33 4.0b **¶12082005**
IDC I 21 19 46 16.0–1.2 22.87S 170.98E 0 4.3,4.1L
ISCJB I 21 19 46 20.9–.95 22.7S–.20 170.89E–.09 42 4.0b,4.1L
VIE I 21 19 46 25.9 20.94S 169.50E 0 4.0b,4.1L
ISC Event type ke.
SZGRF Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=50.9km s-min=21.6km az=170.0.
ISCJB Event type ke. Error ellipse: s-maj=31.3km s-min=12.2km az=179.1.
VIE 376 km SSE of Port Vila .
IDC I 21 19 47 10.6–2.1 22.92S 170.96E 0 4.3L,4.2
¶12082006

IDC Error ellipse: s-maj=86.4km s-min=31.4km az=166.0.
ISC I 21 21 31 33.5–.62 22.5S–.10 171.11E–.07 42 4.2b 84 4-166
IDC I 21 21 31 28.5–.80 22.60S 171.07E 0 4.4,4.2b **¶12082008**
SZGRF I 21 21 31 32.2 22.80S 172.37E 33 4.4,4.2b
NEIC I 21 21 31 34.0–.52 22.76S 170.98E 35 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=21.2km az=165.0.
SZGRF Southeast of Loyalty Islands.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=13.4km az=185.0.
ISC I 21 21 39 37.5–.67 22.7S–.20 171.07E–.08 42 4.4b 97 4-166
IDC I 21 21 39 31.7–.84 22.77S 171.11E 0 4.4,4.3 **¶12082009**
NOU I 21 21 39 31.8–.78 18.73S 169.87E 30 3.5,1.9s
NEIC I 21 21 39 34.7–.75 23.01S 170.93E 10 4.5b,1.9s
ISCJB I 21 21 39 36.5–.68 22.8S–.20 170.95E–.06 42 4.3b,1.9s
SZGRF I 21 21 39 37.4 22.38S 171.92E 33 4.3b,1.9s
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=21.3km az=3.0.
NOU Error ellipse: s-maj=48.4km s-min=47.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=12.0km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=7.3km az=178.2.
SZGRF Southeast of Loyalty Islands.
ISC I 22 04 39 25.2–1.3 22.8S–.10 170.75E–.06 50–12 4.6b,3.5s 89 4-166
SZGRF I 22 04 39 18.9 21.43S 173.43E 33 4.6b,3.5s **¶11671801**
NOU I 22 04 39 19.5–1.2 20.05S 170.55E 10 3.4,3.5s
ISCJB I 22 04 39 23.3–1.1 22.68S–.09 170.75E–.05 45–10 4.6b,3.6s
IDC I 22 04 39 25.1–3.9 22.79S 170.76E 49–33 4.3,4.2b
NEIC I 22 04 39 26.0–1.2 22.72S 170.72E 58–12 4.9b,4.2b
ISC Event type se.
SZGRF Vanuatu Islands region.
NOU Error ellipse: s-maj=74.7km s-min=48.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=8.3km az=0.2.
IDC Error ellipse: s-maj=29.0km s-min=23.7km az=54.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.5km az=173.0.
IDC I 22 15 54 57.5–1.8 23.32S 170.77E 0 3.9,3.8
¶12082063

IDC Error ellipse: s-maj=79.3km s-min=26.5km az=171.0.
IDC I 22 18 14 05.3–2.6 22.92S 171.14E 0 3.9s,3.8
¶12082072

IDC Error ellipse: s-maj=113.3km s-min=41.8km az=176.0.
IDC I 22 19 16 21.3–3.2 22.82S 171.25E 0 3.8L,3.8
¶12082073

IDC Error ellipse: s-maj=116.7km s-min=40.1km az=158.0.
IDC I 22 21 00 29.0–3.8 22.17S 171.05E 0 3.5,3.4
¶12082077

IDC Error ellipse: s-maj=166.5km s-min=48.7km az=161.0.
ISC I 22 21 02 41.1–1.5 22.65S–.10 171.02E–.06 29–10 4.6b,4.4s 86 4-166
NOU I 22 21 02 35.0–1.4 20.96S 171.30E 10–999 4.4L,3.1 **¶11671803**
IDC I 22 21 02 36.5–.87 22.71S 171.10E 0 4.8L,4.5s
ISCJB I 22 21 02 37.2–2.2 22.56S–.07 171.00E–.04 9–15 4.5b,4.5s
NEIC I 22 21 02 42.3–.35 22.65S 171.02E 35 4.8b,4.5s
ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=29.3km s-min=19.5km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.9km az=174.9.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.4km az=170.0.
ISC I 23 12 50 58.7–1.5 22.8S–.40 170.8E–.10 33 4.0b 18 4-151
IDC I 23 12 50 49.6–1.8 22.98S 171.12E 0 4.3L,4.1 **¶12082125**
NOU I 23 12 50 51.0–1.3 20.98S 171.09E 30 3.1L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=77.5km s-min=25.6km az=172.0.
NOU Error ellipse: s-maj=124.2km s-min=38.9km az=-1.0.
ISC I 25 18 20 55.1–4.8 21.8S–.10 170.3E–.10 19–21 4.3b,3.6s 74 3-166
IDC I 25 18 20 52.1–.97 21.82S 170.41E 0 4.4,4.3 **¶11671813**
NOU I 25 18 20 52.8–1.1 20.65S 170.27E 30 3.3,3.1L
ISCJB I 25 18 20 54.5–4.1 21.8S–.10 170.28E–.06 25–29 4.3b,3.6s
NEIC I 25 18 20 54.2–.68 21.84S 170.33E 15 4.5b,3.6s
SZGRF I 25 18 21 02.5 21.00S 168.18E 33 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=20.9km az=71.0.
NOU Error ellipse: s-maj=59.1km s-min=33.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=9.5km az=175.3.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=14.3km az=58.0.
SZGRF Loyalty Islands.
IDC I 26 15 39 41.6–1.9 23.31S 171.15E 0 4.0,3.7
¶12082382

IDC Error ellipse: s-maj=88.8km s-min=27.7km az=171.0.
ISC I 27 01 23 53.4–.63 21.6S–.10 169.68E–.08 38–2 4.4b,4.3s 79 3-166
NOU I 27 01 23 47.6–1.4 20.71S 169.77E 30 3.4,3.0L **¶11713944**
IDC I 27 01 23 47.2–1.1 21.54S 169.80E 0 4.5,4.4
NEIC I 27 01 23 49.0–.51 21.64S 169.70E 10 4.8b,4.4
ISCJB I 27 01 23 50.8–2.5 21.5S–.10 169.72E–.07 33–18 4.4b,4.3s
SZGRF I 27 01 23 51.4 22.36S 169.53E 33 4.4b,4.3s
ISC Event type se.
NOU Error ellipse: s-maj=59.0km s-min=31.8km az=-1.0.
IDC Error ellipse: s-maj=31.8km s-min=19.6km az=149.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=9.3km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=23.9km s-min=6.9km az=160.1.
SZGRF Southeast of Loyalty Islands.
ISC I 27 03 57 32.9–1.2 22.6S–.40 169.68E–.09 23 4.1b 22 3-165
IDC I 27 03 57 29.5–2.0 22.56S 169.62E 0 3.9,3.8b **¶12082439**
ISC Event type ke.
IDC Error ellipse: s-maj=75.5km s-min=37.1km az=153.0.
IDC I 27 04 03 28.7–3.8 22.18S 169.61E 0 3.9,3.8
¶12082440

IDC Error ellipse: s-maj=175.8km s-min=33.9km az=154.0.
ISC I 27 17 50 02.9–1.7 21.7S–.30 169.8E–.10 10 3.8b,3.5s 15 3-147
NOU I 27 17 49 57.5–1.4 21.45S 170.61E 30 3.4,2.7s **¶12082504**
IDC I 27 17 50 00.9–2.4 21.88S 169.98E 0 4.0,3.9
ISC Event type ke.
NOU Error ellipse: s-maj=89.2km s-min=21.8km az=-1.0.
IDC Error ellipse: s-maj=67.9km s-min=27.4km az=143.0.
ISC I 28 01 33 44.2–1.9 21.8S–.50 170.6E–.10 49–13 4.2b 17 3-151
NOU I 28 01 33 43.9–.55 20.78S 170.36E 30 3.4L,3.2 **¶12082528**
IDC I 28 01 33 46.7–.97 22.74S 170.48E 20–4 4.3L,4.3
NEIC I 28 01 33 49.1–.77 22.74S 170.26E 35 4.5b,4.3
ISC Event type se.
NOU Error ellipse: s-maj=34.1km s-min=15.6km az=-1.0.
IDC Error ellipse: s-maj=39.2km s-min=36.0km az=7.0.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=14.9km az=163.0.
ISC I 28 02 14 29.7–1.2 22.3S–.40 169.85E–.09 21 3.6b 16 3-147
IDC I 28 02 14 23.9–2.2 22.64S 170.28E 0 4.1,4.0L **¶12082529**
NOU I 28 02 14 26.8–.83 20.31S 169.98E 30 3.2L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=69.5km s-min=36.0km az=161.0.
NOU Error ellipse: s-maj=34.3km s-min=24.4km az=-1.0.
ISC I 29 13 28 33.3–4.0 22.4S–.20 171.2E–.20 48–31 4.2b,3.5s 23 4-166
IDC I 29 13 28 27.0–1.1 22.52S 171.32E 0 5.2L,4.5 **¶11713953**
VIE I 29 13 28 29.1 22.69S 171.12E 0 4.2b,4.5
ISCJB I 29 13 28 33.9–2.2 22.5S–.10 171.1E–.10 51–16 4.1b,3.5s
NOU I 29 13 28 33.9–1.3 19.87S 170.53E 30 3.6L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=24.6km az=142.0.
VIE 623 km SSE of Port Vila .
ISCJB Event type ke. Error ellipse: s-maj=23.4km s-min=16.6km az=4.6.
NOU Error ellipse: s-maj=64.1km s-min=41.5km az=-1.0.
IDC I 30 05 01 06.2–2.2 22.70S 171.01E 0 4.1,3.9b
¶12082715

IDC Error ellipse: s-maj=91.5km s-min=29.0km az=152.0.
ISC I 30 14 18 05.6–1.1 22.5S–.30 170.91E–.10 42 4.1b,4.0s 20 4-166
IDC I 30 14 17 59.7–1.6 22.37S 170.90E 0 4.3,4.1 **¶11713958**
ISCJB I 30 14 18 03.7–.92 22.7S–.20 170.89E–.07 42 4.0b,4.0s
ISC Event type ke.
ISCJB Event type ke.
IDC I 31 15 43 11.8–.89 22.95S 171.32E 0 4.4,4.2
¶11713961

IDC Error ellipse: s-maj=25.7km s-min=25.5km az=129.0.
ISC II 06 11 58 04.0–.76 23.3S–.20 170.56E–.08 32 4.2b 28 4-149
IDC II 06 11 57 59.5–1.8 23.31S 170.57E 0 4.0,3.9 **¶12699668**
ISCJB II 06 11 58 02.7–.78 23.4S–.10 170.50E–.10 32 4.2b,3.9
NEIC II 06 11 58 03.8–.76 23.37S 170.68E 35 4.8b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=66.9km s-min=24.7km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=12.5km az=6.7.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=12.7km az=164.0.
ISC II 06 12 03 13.7–.73 23.1S–.20 170.53E–.08 28 4.2b 37 4-148
IDC II 06 12 03 09.2–.93 23.17S 170.56E 0 4.3,4.3 **¶12699669**
ISCJB II 06 12 03 11.8–.67 23.2S–.10 170.49E–.07 28 4.2b,3.8s
NEIC II 06 12 03 14.8–.68 23.15S 170.46E 35 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=20.8km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=8.6km az=10.4.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=13.3km az=160.0.
IDC II 06 14 34 55.5–2.6 23.35S 170.49E 0 3.7,3.5
¶15955146

IDC Error ellipse: s-maj=90.2km s-min=43.2km az=4.0.
ISC II 10 16 25 55.8–1.4 22.6S–.30 170.80E–.09 42 4.4b,4.1s 27 4-148
IDC II 10 16 25 48.8–1.9 22.85S 170.87E 0 4.3,4.1 **¶12699919**
NEIC II 10 16 25 54.2–1.5 22.76S 170.83E 35 4.7b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=72.7km s-min=24.6km az=164.0.
NEIC Event type se. Error ellipse: s-maj=54.9km s-min=12.4km az=162.0.
ISC II 14 02 06 55.2–.49 21.56S–.06 170.32E–.05 127–3 5.2b 534 3-166
MOS II 14 02 06 43.5–1.3 21.39S 170.45E 33 5.5b **¶13434608**
IDC II 14 02 06 51.9–1.5 21.58S 170.43E 97–11 4.9,4.9
ISCJB II 14 02 06 52.0–1.0 21.51S–.05 170.33E–.05 106–8 5.3b,4.9
NOU II 14 02 06 52.4–.48 20.43S 170.07E 10 4.0s,3.7
SZGRF II 14 02 06 52.8 21.38S 171.68E 111 4.0s,3.7
NEIC II 14 02 06 54.5–.98 21.51S 170.42E 120–8 5.3b,3.7
DJA II 14 02 06 54 21.61S 170.23E 107 5.6b,3.7
BGS II 14 02 06 56.8–4.5 21.51S 170.42E 120 5.3b,3.7
BJI II 14 02 07 01.1 20.83S 170.09E 156 5.3b,5.1b
ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=9.5km az=18.7.
IDC Error ellipse: s-maj=15.5km s-min=11.7km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.9km az=147.3.
NOU Error ellipse: s-maj=26.3km s-min=16.4km az=-1.0.
SZGRF Southeast of Loyalty Islands.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=60.0.
BGS Error ellipse: s-maj=291.3km s-min=999.9km az=-1.0.
ISC II 14 15 42 19.8–.72 22.9S–.20 170.84E–.07 31 4.1b,3.7s 50 4-151
VIE II 14 15 42 07.3 24.83S 172.08E 0 4.3b,3.7s **¶15956068**
IDC II 14 15 42 14.6–.90 22.90S 170.96E 0 4.3,4.2
ISCJB II 14 15 42 17.8–.70 22.9S–.10 170.84E–.06 31 4.1b,3.7s
SZGRF II 14 15 42 25.7 20.44S 172.44E 33 4.1b,3.7s
ISC Event type ke.
VIE 879 km SSE of Port Vila .
IDC Error ellipse: s-maj=27.0km s-min=19.3km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=20.8km s-min=8.4km az=4.0.
SZGRF Vanuatu Islands region.
ISC II 16 05 19 59.1–5.2 23S–4.0 171.3E–.60 35 3.5b 7 4-91
IDC II 16 05 19 52.2–4.2 21.70S 171.38E 0 4.1L,3.7 **¶13598270**
NOU II 16 05 19 54.6–1.3 18.70S 170.14E 30 3.7L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=140.8km s-min=40.9km az=154.0.
NOU Error ellipse: s-maj=125.0km s-min=120.8km az=-1.0.
IDC II 16 05 20 01.7–1.2 22.41S 171.51E 0 4.6L,4.4
¶15956249

IDC Error ellipse: s-maj=28.8km s-min=24.6km az=29.0.
IDC II 22 13 24 10.6–5.1 22.14S 170.71E 0 4.1,3.9
¶15956942

IDC Error ellipse: s-maj=148.3km s-min=69.6km az=153.0.
ISC II 23 02 20 19.7–.78 23.5S–.20 170.93E–.08 30 4.0b,3.4s 24 4-149
IDC II 23 02 20 14.8–1.2 23.50S 171.01E 0 4.4L,4.2 **¶15957016**
ISCJB II 23 02 20 18.3–.72 23.6S–.10 170.90E–.07 30 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC II 24 12 06 05.5–5.5 22.25S 170.83E 0 3.8,3.7
¶15957159

IDC Error ellipse: s-maj=113.7km s-min=63.0km az=24.0.
ISC II 24 12 24 00.7–1.3 22.8S–.30 169.90E–.10 25 3.8b 9 3-148
NOU II 24 12 23 52.6–.32 22.44S 169.52E 10–50 3.2L,3.2 **¶12701745**
IDC II 24 12 23 52.8–1.5 23.24S 170.51E 0 4.0,3.9
ISC Event type ke.
NOU Error ellipse: s-maj=101.8km s-min=71.8km az=-1.0.
IDC Error ellipse: s-maj=38.6km s-min=30.1km az=32.0.

IDC II 24 12 35 43.7–1.1 23.33S 170.38E 0 4.2,4.1 ¶15957164
IDC Error ellipse: s-maj=31.9km s-min=23.5km az=3.0.
ISC II 24 12 39 42.2–.29 23.14S–.04 170.58E–.04 35–1 5.6b,5.2s 1200 4-166
IDC II 24 12 39 36.8–.35 23.21S 170.56E 0 5.3,5.3 **¶14189830**
SZGRF II 24 12 39 37.3 24.56S 171.82E 28 5.3b,5.3
ISCJB II 24 12 39 39.2–1.5 23.18S–.03 170.43E–.02 22–10 5.6b,5.2s
LDG II 24 12 39 39.1–.13 22.50S 170.73E 10 5.7b,5.5s
DJA II 24 12 39 41 23.24S 170.35E 10 5.7b,5.5s
MOS II 24 12 39 41.8–1.2 23.07S 170.45E 33 5.7b,5.4s
NEIC II 24 12 39 41.8–.11 23.18S 170.56E 32 5.7W,5.6b
BGS II 24 12 39 44.3–1.9 21.63S 171.96E 33 5.6b,5.6b
BJI II 24 12 39 45.6 22.51S 170.66E 56 6.0b,5.5s
ISC Event type ke.
IDC Error ellipse: s-maj=13.6km s-min=10.9km az=1.0.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=16.4.
LDG Event type ke. Error ellipse: s-maj=18.5km s-min=4.3km az=2.0.
MOS Error ellipse: s-maj=7.9km s-min=7.9km az=133.7.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.8km az=168.0.
BGS Error ellipse: s-maj=131.2km s-min=999.9km az=-1.0.
ISC II 24 12 50 57.4–.79 23.2S–.20 170.58E–.09 28 4.1b 29 4-149
IDC II 24 12 50 53.0–.94 23.23S 170.58E 0 4.3,4.1 **¶12701748**
ISCJB II 24 12 50 55.8–.71 23.2S–.10 170.54E–.07 28 4.1b,4.1
NEIC II 24 12 50 58.5–.74 23.21S 170.58E 35 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=20.9km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=8.7km az=12.1.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=14.9km az=165.0.
IDC II 24 12 56 32.7–1.6 23.28S 170.48E 0 4.1,4.0 ¶15957165
IDC Error ellipse: s-maj=39.0km s-min=31.9km az=29.0.
ISC II 24 13 08 51.1–1.3 22.9S–.30 170.4E–.10 28 3.8b 14 4-148
IDC II 24 13 08 46.8–1.9 22.94S 170.37E 0 3.9,3.9 **¶15957166**
NOU II 24 13 08 47.0–1.5 19.65S 169.82E 10 3.6L,3.3
ISCJB II 24 13 08 49.3–1.1 23.1S–.20 170.36E–.09 28 3.7b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC II 24 15 33 55.8–1.2 23.3S–.20 170.4E–.10 32 4.1b 18 4-149
NOU II 24 15 33 47.6–1.4 20.68S 170.71E 10 3.3L,3.2 **¶15957171**
IDC II 24 15 33 50.9–1.5 23.29S 170.41E 0 4.4,4.2L
ISCJB II 24 15 33 54.2–1.2 23.3S–.20 170.3E–.10 32 4.1b,3.7s
ISC Event type ke.
ISCJB Event type ke.
ISC II 24 16 05 51.2–.77 23.2S–.20 170.40E–.09 28 4.1b,3.5s 44 4-152
NOU II 24 16 05 43.7–.69 22.42S 169.58E 10–212 3.3,3.1L **¶12701762**
IDC II 24 16 05 46.3–1.0 23.29S 170.46E 0 4.4,4.2L
ISCJB II 24 16 05 49.4–.81 23.2S–.20 170.40E–.08 28 4.3b,3.5s
NEIC II 24 16 05 50.3–8.7 23.23S 170.42E 24–57 4.5b,3.5s
ISC Event type se.
NOU Error ellipse: s-maj=566.4km s-min=295.5km az=-1.0.
IDC Error ellipse: s-maj=31.1km s-min=24.2km az=180.0.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=7.6km az=19.1.
NEIC Event type se. Error ellipse: s-maj=29.3km s-min=25.2km az=113.0.
IDC II 24 19 34 13.2–2.3 23.05S 170.20E 0 3.6,3.6 ¶15957180
IDC Error ellipse: s-maj=77.3km s-min=37.0km az=172.0.
ISC II 24 19 50 11.6–.80 23.0S–.20 170.98E–.07 31 4.0b 42 4-151
IDC II 24 19 50 06.2–2.2 23.22S 171.14E 0 4.2,4.0 **¶12701775**
ISCJB II 24 19 50 09.7–.73 23.0S–.10 170.98E–.06 31 4.1b,4.0
NOU II 24 19 50 09.3–1.9 20.32S 170.85E 10–999 3.3,2.9s
NEIC II 24 19 50 12.4–2.1 22.95S 170.96E 38–17 4.5b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=101.4km s-min=27.4km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=7.6km az=179.9.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=14.6km az=166.0.
IDC II 25 03 50 53.3–2.6 23.01S 170.41E 0 3.7,3.6 ¶15957233
IDC Error ellipse: s-maj=97.5km s-min=42.3km az=179.0.
ISC II 25 04 55 37.0–.71 23.1S–.20 170.49E–.07 28 4.3b 41 4-151
IDC II 25 04 55 32.5–.98 23.20S 170.59E 0 4.3,4.2 **¶12701807**
ISCJB II 25 04 55 35.2–.69 23.1S–.10 170.48E–.06 28 4.3b,3.5s
NEIC II 25 04 55 35.4–5.1 23.19S 170.55E 19–30 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=26.1km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=7.5km az=2.3.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=11.4km az=161.0.
IDC II 25 05 08 22.1–2.8 22.48S 170.62E 0 3.9L,3.9 ¶15957235
IDC Error ellipse: s-maj=123.2km s-min=41.1km az=172.0.
ISC II 25 06 10 29.7–3.7 23.2S–.10 170.39E–.07 30–26 4.3b,3.9s 57 4-165
IDC II 25 06 10 24.2–1.0 23.26S 170.59E 0 4.4,4.3 **¶11938308**
ISCJB II 25 06 10 28.1–3.2 23.1S–.10 170.41E–.06 30–24 4.4b,4.0s
NEIC II 25 06 10 30.0–.65 23.29S 170.43E 35 4.2b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=24.9km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=9.5km az=179.6.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=10.3km az=160.0.
ISC II 25 06 27 22.5–1.0 22.4S–.30 169.96E–.08 21 4.1b 17 3-148
IDC II 25 06 27 15.8–1.1 23.20S 170.64E 0 4.2,4.1 **¶12701814**
NOU II 25 06 27 20.8–1.2 21.57S 169.77E 10–182 3.8L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=34.4km s-min=23.1km az=153.0.
NOU Error ellipse: s-maj=254.0km s-min=122.4km az=-1.0.
ISC II 25 06 46 08.3–.85 23.2S–.20 170.52E–.09 28 4.1b,3.7s 19 4-151
IDC II 25 06 46 03.7–.96 23.21S 170.64E 0 4.3,4.2 **¶12701816**
NOU II 25 06 46 05.9–.77 19.55S 169.79E 10 3.5,1.9s
ISCJB II 25 06 46 06.5–.73 23.2S–.10 170.49E–.07 28 4.1b,3.8s
VIE II 25 06 46 08.2 22.35S 170.24E 0 4.2b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=23.2km az=140.0.
NOU Error ellipse: s-maj=45.0km s-min=42.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=7.9km az=10.5.
VIE 550 km SSE of Port Vila .
IDC II 25 07 06 07.0–2.6 22.85S 170.38E 0 3.5,3.5 ¶15957239
IDC Error ellipse: s-maj=103.9km s-min=40.6km az=176.0.
ISC II 25 07 43 21.6–.98 23.2S–.20 170.5E–.10 28 4.1b,3.5s 16 4-148
IDC II 25 07 43 17.2–1.2 23.22S 170.47E 0 4.2,4.1b **¶15957240**
ISCJB II 25 07 43 19.6–.87 23.2S–.20 170.43E–.09 28 4.0b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC II 25 08 28 58.6–1.2 23.0S–.30 169.8E–.10 10 4.2b,3.6s 5 3-148
IDC II 25 08 28 58.5–.96 23.17S 170.64E 0 4.3,4.2 **¶12701820**
NOU II 25 08 28 59.5–.56 22.85S 169.62E 10–124 2.9,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=23.3km az=149.0.
NOU Error ellipse: s-maj=447.6km s-min=234.1km az=-1.0.
ISC II 25 08 54 59.3–.92 23.0S–.20 169.8E–.10 10 3.9b 9 3-148
NOU II 25 08 54 59.1–.80 22.64S 169.69E 10–78 3.5L,3.2 **¶12701822**
IDC II 25 08 54 59.1–.90 23.18S 170.55E 0 4.2,4.1
ISC Event type ke.
NOU Error ellipse: s-maj=233.5km s-min=89.1km az=-1.0.
IDC Error ellipse: s-maj=27.8km s-min=22.3km az=158.0.
ISC II 25 09 19 48.1–.31 23.13S–.05 170.57E–.05 28 5.0b,4.6s 312 4-166
IDC II 25 09 19 43.4–.53 23.21S 170.55E 0 4.6,4.6 **¶13435076**
DJA II 25 09 19 45 23.00S 171.83E 10 5.3b,4.6
NOU II 25 09 19 45.1–.56 20.85S 171.45E 10 4.0L,3.6
ISCJB II 25 09 19 46.3–.28 23.14S–.05 170.49E–.04 28 4.9b,4.6s
NEIC II 25 09 19 48.7–.25 23.15S 170.56E 35 5.1b,4.6s
MOS II 25 09 19 50.5–1.8 22.61S 170.11E 33 5.2b,4.6s
BJI II 25 09 19 52.5 22.62S 169.72E 35 5.4b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=15.4km az=164.0.
NOU Error ellipse: s-maj=35.5km s-min=14.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.1km az=7.8.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.3km az=156.0.
MOS Error ellipse: s-maj=13.0km s-min=10.9km az=30.0.
IDC II 25 16 21 32.9–1.0 23.11S 170.53E 0 4.2,4.2 ¶15957260
IDC Error ellipse: s-maj=30.9km s-min=22.4km az=160.0.
ISC II 26 01 39 13.7–1.4 23.1S–.30 170.4E–.10 28 3.8b 12 4-148
IDC II 26 01 39 09.2–1.9 23.08S 170.42E 0 3.9,3.8 **¶15957332**
ISCJB II 26 01 39 12.2–1.2 23.1S–.20 170.3E–.10 28 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC II 27 14 34 29.0–.94 23.3S–.20 170.49E–.10 28 3.9b 26 4-149
IDC II 27 14 34 24.3–1.3 23.28S 170.60E 0 4.0,3.9b **¶12702011**
NEIC II 27 14 34 25.7–.83 23.25S 170.59E 10 4.7b,3.9b
ISCJB II 27 14 34 26.9–.98 23.3S–.20 170.6E–.10 28 4.0b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 28 17 27 13.8–4.3 21.5S–.20 169.9E–.20 65–33 3.9b 26 3-150
NOU II 28 17 27 12.1–1.1 20.58S 169.68E 30 4.6L,3.1 **¶12702125**
ISCJB II 28 17 27 13.4–2.2 21.7S–.20 169.8E–.10 74–17 3.7b,3.1
SZGRF II 28 17 27 13.7 20.73S 168.77E 33 3.7b,3.1
IDC II 28 17 27 13.8–6.6 21.53S 169.82E 61–51 4.4L,3.6
ISC Event type ke.
NOU Error ellipse: s-maj=54.6km s-min=30.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=34.0km s-min=19.1km az=179.4.
SZGRF Loyalty Islands.
IDC Error ellipse: s-maj=45.3km s-min=31.3km az=58.0.
ISC II 28 19 42 28.4–1.3 23.3S–.20 170.4E–.10 32 3.9b 16 4-149
NOU II 28 19 42 22.2–2.0 21.44S 170.92E 30 4.0L,3.4 **¶12702137**
IDC II 28 19 42 23.3–1.4 23.31S 170.46E 0 4.1,4.0
ISCJB II 28 19 42 26.8–1.2 23.4S–.20 170.4E–.10 32 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC III 01 10 48 37.5–2.7 22.96S 170.29E 0 3.7,3.5 ¶12702183
IDC Error ellipse: s-maj=91.5km s-min=42.8km az=0.0.
IDC III 04 17 43 36.2–2.6 22.17S 171.05E 0 3.9,3.7 ¶12702440
IDC Error ellipse: s-maj=155.9km s-min=26.9km az=166.0.
ISC III 05 10 16 31.0–1.0 23.1S–.20 170.35E–.10 28 3.9b 15 4-148
ISCJB III 05 10 16 29.8–.93 23.1S–.20 170.32E–.08 28 3.9b,3.7s **¶12702488**
IDC III 05 10 16 30.2–1.8 23.13S 170.43E 22–6 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.4km s-min=9.7km az=7.9.
IDC Error ellipse: s-maj=64.1km s-min=25.8km az=157.0.
ISC III 08 13 46 39.4–1.3 22.8S–.30 170.01E–.08 25 4.1b,3.6s 22 3-151
IDC III 08 13 46 33.7–1.6 23.22S 170.42E 0 4.3,4.1b **¶12702721**
VIE III 08 13 46 36.9 22.79S 170.15E 0 4.0b,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=56.3km s-min=22.6km az=163.0.
VIE 592 km SSE of Port Vila .
IDC III 08 22 48 57.3–5.5 21.76S 170.10E 0 3.8,3.6b ¶12702762
IDC Error ellipse: s-maj=228.0km s-min=40.1km az=151.0.
ISC III 09 07 31 18.8–1.7 22.7S–.50 170.9E–.10 42 3.6b 11 4-148
IDC III 09 07 31 12.8–2.6 22.58S 170.95E 0 3.9,3.8L **¶12702781**
NOU III 09 07 31 15.5–.64 22.77S 171.18E 10 3.9L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=98.0km s-min=35.4km az=164.0.
NOU Error ellipse: s-maj=611.0km s-min=89.4km az=-1.0.
IDC III 15 03 24 53.5–2.5 22.78S 170.92E 0 3.9,3.8b ¶12703319
IDC Error ellipse: s-maj=94.7km s-min=35.3km az=167.0.
IDC III 15 08 02 13.7–2.8 21.56S 169.87E 0 3.9,3.8b
NOU III 15 08 02 15.5–.82 21.29S 170.07E 10 3.4L,2.8 **¶12703335**
IDC Error ellipse: s-maj=114.0km s-min=36.4km az=157.0.
NOU Error ellipse: s-maj=76.8km s-min=24.2km az=-1.0.
ISC III 18 18 41 24.0–4.2 21.8S–.30 170.3E–.20 47–32 3.6b 22 3-164
IDC III 18 18 41 17.5–1.5 21.80S 170.22E 0 4.5L,4.0 **¶12703607**
NOU III 18 18 41 19.8–.67 22.79S 170.55E 10 3.2s,3.1
ISCJB III 18 18 41 22.4–2.3 21.7S–.30 170.2E–.10 46–17 3.7b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC III 20 16 37 53.7–2.3 23.28S 170.27E 0 3.8,3.6b ¶12703837
IDC Error ellipse: s-maj=83.2km s-min=40.9km az=1.0.
IDC III 20 18 32 22.0–2.2 23.33S 170.16E 0 3.9,3.7b ¶12703845
IDC Error ellipse: s-maj=73.7km s-min=40.1km az=0.0.
IDC III 22 17 48 40.7–5.3 23.65S 170.57E 0 4.1,3.9 ¶12635309
IDC Error ellipse: s-maj=211.0km s-min=33.1km az=153.0.
IDC III 23 12 57 36.7–9.8 22.84S 172.53E 0 4.0,3.9b ¶12635390
IDC Error ellipse: s-maj=286.6km s-min=63.3km az=140.0.
IDC III 24 21 02 04.2–2.8 21.38S 169.82E 0 3.6,3.5b ¶12635491
IDC Error ellipse: s-maj=110.2km s-min=36.2km az=153.0.
ISC III 25 14 07 13.1–1.8 21.6S–.50 169.5E–.20 30 3.6b 12 2-147
IDC III 25 14 07 09.2–2.9 21.40S 169.53E 0 3.9,3.7 **¶12635562**
NOU III 25 14 07 17.9–1.6 21.72S 169.72E 30 3.3L,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=116.2km s-min=33.7km az=147.0.
NOU Error ellipse: s-maj=102.0km s-min=22.8km az=-1.0.
IDC III 25 17 01 13.1–2.6 22.85S 171.10E 0 3.8,3.6 ¶12635575
IDC Error ellipse: s-maj=112.4km s-min=39.9km az=173.0.
IDC III 26 03 22 50.6–4.6 22.25S 172.80E 57–41 3.9,3.8 ¶12635609
IDC Error ellipse: s-maj=28.6km s-min=25.3km az=72.0.
IDC III 30 00 11 51.2–1.9 23.11S 170.28E 0 4.2b,4.2 ¶12635897
IDC Error ellipse: s-maj=60.8km s-min=27.6km az=160.0.
IDC III 30 00 45 26.4–1.8 23.09S 170.33E 0 4.0,3.8 ¶12635899
IDC Error ellipse: s-maj=80.5km s-min=28.4km az=172.0.
ISC III 30 04 40 07.6–1.4 21.9S–.40 170.8E–.10 112 3.8b 17 4-166
AUST III 30 04 39 49.9–24 20.97S 174.28E 192–3 3.8b **¶15153474**
IDC III 30 04 39 52.7–1.8 22.62S 171.55E 0 4.4,4.3L
NOU III 30 04 40 00.6–1.7 20.00S 170.70E 30 4.2L,3.3
ISC Event type ke.
AUST Error ellipse: s-maj=7.4km s-min=3.3km az=287.0.
IDC Error ellipse: s-maj=61.1km s-min=35.6km az=157.0.
NOU Error ellipse: s-maj=101.8km s-min=66.6km az=-1.0.
ISC IV 07 07 34 41.5–1.8 22.4S–.40 170.3E–.10 33 3.9b 15 3-148
IDC IV 07 07 34 34.5–2.7 22.53S 170.54E 0 4.0,3.9L **¶12934736**
NOU IV 07 07 34 39.9–1.3 21.64S 170.51E 10 3.4L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=80.6km s-min=29.8km az=150.0.
NOU Error ellipse: s-maj=156.8km s-min=26.2km az=-1.0.
ISC IV 09 04 13 12.7–.54 22.29S–.05 170.45E–.04 65–4 5.3b 701 3-169
IDC IV 09 04 13 03.5–.36 22.25S 170.67E 0 5.0,5.0 **¶13438219**
ISCJB IV 09 04 13 06.8–1.1 22.20S–.05 170.53E–.04 33–9 5.2b,4.8s
NOU IV 09 04 13 07.0–1.7 20.99S 170.46E 10 3.9L,3.3
MOS IV 09 04 13 08.5–1.6 22.18S 170.45E 33 5.5b,4.9s

SZGRF IV 09 04 13 08.4 22.42S 171.03E 33 5.5b,4.9s
NEIC IV 09 04 13 09.1–.18 22.15S 170.64E 35 5.4b,4.9s
BGS IV 09 04 13 11.4–5.5 22.15S 170.64E 33 5.4b,4.9s
GCMT IV 09 04 13 13.2–.10 22.39S 170.40E 30–0 5.3W,4.9s
BJI IV 09 04 13 13.5 21.88S 171.17E 93 5.2b,5.2b
DJA IV 09 04 13 16.4–3.1 22S–7.0 170E–14 85–23 5.8b,5.3
ISC Event type se.
ISCJB Event type se.
SZGRF Southeast of Loyalty Islands.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s90,c147; s96,c149; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s314.00000°,δ34.00000°,λ108.00000°. NP2:ϕ_s113.00000°,δ58.00000°,λ78.00000°. Principal axes: T 1.0600,Plg74.0000°,Azm351.0000°; N 0.0800,Plg10.0000°,Azm119.0000°; P -1.1400,Plg12.0000°,Azm211.0000° $M_0$1.10000×10^{17}
ISC IV 09 07 29 38.0–1.9 21.4S–.30 171.2E–.10 35 4.3b 20 4-54
AUST IV 09 07 29 22.2 19.98S 172.12E 0 4.3b **¶15153630**
NOU IV 09 07 29 52.4–.55 22.86S 170.67E 10 3.2,3.1s
IDC IV 09 07 29 55.5–8.0 21.56S 170.36E 152–43 4.0,3.9b
ISC Event type ke.
NOU Error ellipse: s-maj=617.9km s-min=131.2km az=-1.0.
IDC Error ellipse: s-maj=73.8km s-min=68.8km az=6.0.
ISC IV 09 23 22 19.7–1.1 22.7S–.30 170.91E–.08 42 4.2b 62 4-166
IDC IV 09 23 22 13.5–1.4 22.74S 171.00E 0 4.3,4.1 **¶12934852**
SZGRF IV 09 23 22 16.3 22.57S 172.92E 33 4.3,4.1
ISCJB IV 09 23 22 18.6–1.0 22.7S–.30 170.86E–.06 42 4.1b,4.1
ISC Event type ke.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type ke.
ISC IV 12 17 25 39.6–.77 21.6S–.20 169.70E–.09 21 3.8b 48 3-150
IDC IV 12 17 25 35.8–1.3 21.56S 169.84E 0 4.1L,4.1 **¶12935078**
SZGRF IV 12 17 25 36.5 22.42S 172.06E 33 4.1L,4.1
NOU IV 12 17 25 37.7–.95 21.58S 169.97E 10 3.4L,2.6
ISCJB IV 12 17 25 37.7–.60 21.5S–.10 169.70E–.05 21 3.9b,3.5s
ISC Event type ke.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type ke.
ISC IV 12 19 49 06.1–.72 21.6S–.20 169.73E–.09 21 3.8b,3.4s 26 3-147
IDC IV 12 19 49 02.5–.95 21.63S 169.84E 0 4.0,3.9 **¶12935068**
ISCJB IV 12 19 49 04.6–.58 21.6S–.10 169.71E–.06 21 3.8b,3.4s
NOU IV 12 19 49 07.2–1.2 22.33S 169.85E 10 3.8L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=31.2km s-min=21.0km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=7.1km az=166.1.
NOU Error ellipse: s-maj=440.9km s-min=29.8km az=-1.0.
ISC IV 13 14 54 22.8–.81 21.7S–.10 169.42E–.08 21 3.9b,3.4s 36 2-147
AUST IV 13 14 54 11.8–22 21.26S 170.51E 0–1 3.9b,3.4s **¶15153690**
ISCJB IV 13 14 54 20.8–.67 21.8S–.10 169.50E–.05 21 3.9b,3.5s
NOU IV 13 14 54 20.4–1.7 20.46S 169.18E 10 3.4L,3.0
IDC IV 13 14 54 20.4–1.9 21.83S 169.38E 0 4.2,4.0
NEIC IV 13 14 54 21.9–1.2 21.81S 169.37E 10 4.6b,4.0
ISC Event type se.
AUST Error ellipse: s-maj=4.5km s-min=1.9km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=6.9km az=177.4.
NOU Error ellipse: s-maj=85.3km s-min=81.7km az=-1.0.
IDC Error ellipse: s-maj=96.7km s-min=22.2km az=158.0.
NEIC Event type se. Error ellipse: s-maj=60.6km s-min=14.1km az=157.0.
ISC IV 21 12 03 05.1–1.4 23.1S–.30 170.58E–.09 28 3.9b 12 4-94
IDC IV 21 12 03 00.6–2.1 23.10S 170.62E 0 4.2,4.0 **¶16153208**
ISCJB IV 21 12 03 03.2–1.1 23.2S–.20 170.55E–.08 28 3.9b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC IV 22 01 07 52.8–.75 22.4S–.20 170.96E–.08 98 3.7b 18 4-166
NOU IV 22 01 07 46.3–.51 23.76S 171.14E 10 3.1,2.9L **¶12842936**
IDC IV 22 01 07 50.5–8.6 22.36S 171.11E 75–76 3.9,3.8
ISCJB IV 22 01 07 51.5–.66 22.5S–.10 170.93E–.06 98 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC IV 22 20 21 53.5–3.0 22.12S 170.22E 0 3.7,3.6
NOU IV 22 20 21 55.9–.59 23.77S 170.12E 10 4.0L,2.9 **¶12935938**
IDC Error ellipse: s-maj=149.4km s-min=39.0km az=167.0.
NOU Error ellipse: s-maj=58.8km s-min=32.3km az=-1.0.
IDC IV 23 01 53 23.0–2.6 22.52S 170.13E 0 3.8,3.7
¶16153289
IDC Error ellipse: s-maj=108.1km s-min=30.9km az=166.0.
ISC IV 27 15 39 49.9–.57 22.5S–.10 171.17E–.06 98 4.3b 76 4-166
NOU IV 27 15 39 40.9–.75 20.34S 171.28E 30 4.0s,3.7L **¶15153981**
IDC IV 27 15 39 41.7–8.2 22.43S 171.52E 36–61 4.9L,4.3
BJI IV 27 15 39 45.3 22.95S 171.34E 84 4.9s,4.9b
NEIC IV 27 15 39 47.4–1.4 22.38S 171.28E 81–11 4.5b,4.9b
ISCJB IV 27 15 39 48.4–.55 22.4S–.10 171.16E–.07 98 4.4b,4.9b
AUST IV 27 15 39 54.3 22.48S 172.16E 200 4.4b,4.9b
ISC Event type se.
NOU Error ellipse: s-maj=92.0km s-min=36.6km az=-1.0.
IDC Error ellipse: s-maj=43.0km s-min=26.2km az=132.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=10.1km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=8.0km az=161.4.
ISC IV 28 18 14 36.3–4.0 22.61S–.09 170.99E–.08 25–27 4.7b,4.1s 193 4-166
IDC IV 28 18 14 32.5–.76 22.64S 171.03E 0 4.6,4.5 **¶15154002**
NEIC IV 28 18 14 33.4–.29 22.70S 171.08E 10 4.8b,4.5
ISCJB IV 28 18 14 36.7–1.1 22.66S–.07 170.88E–.05 35–9 4.6b,4.0s
NOU IV 28 18 14 36.8–1.2 20.89S 170.87E 30 3.3L,3.2
SZGRF IV 28 18 14 37.3 22.23S 172.76E 33 5.7b,3.2
AUST IV 28 18 15 31.1 21.97S 167.31E 300 5.7b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=19.8km az=166.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.9km az=222.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=7.5km az=0.3.
NOU Error ellipse: s-maj=87.0km s-min=33.4km az=-1.0.
SZGRF Southeast of Loyalty Islands.
IDC IV 29 07 00 03.3–1.6 23.14S 170.47E 0 4.2,4.1
¶16154610
IDC Error ellipse: s-maj=55.3km s-min=22.7km az=152.0.
ISC V 06 12 54 04.9–.83 22.34S–.06 170.72E–.05 68–7 4.9b 297 4-166
IDC V 06 12 53 56.2–.53 22.20S 170.76E 0 4.7,4.6 **¶13568537**
DJA V 06 12 53 57.2–8.7 22S–16 171E–23 19–58 5.6b,5.1
SZGRF V 06 12 53 59.5 22.50S 172.59E 33 5.6b,5.1
NOU V 06 12 53 59.2–.88 20.28S 170.46E 30 3.5,2.9L
MOS V 06 12 54 00.9–1.9 22.38S 170.71E 33 5.2b,2.9L
ISCJB V 06 12 54 01.2–.98 22.37S–.05 170.69E–.05 43–8 4.8b,4.3s
NEIC V 06 12 54 01.5–.33 22.32S 170.86E 35 5.0b,4.3s
BGS V 06 12 54 02.8–4.5 22.32S 170.86E 33 5.0b,4.3s
GCMT V 06 12 54 04.0–.30 22.61S 170.78E 29–0 5.1W,4.3s
BJI V 06 12 54 08.8 21.93S 170.84E 93 5.0b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=14.3km az=155.0.
SZGRF Southeast of Loyalty Islands.
NOU Error ellipse: s-maj=47.2km s-min=26.3km az=-1.0.
MOS Error ellipse: s-maj=10.4km s-min=9.2km az=171.1.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=7.2km az=176.3.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.3km az=152.0.
BGS Error ellipse: s-maj=462.1km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s42,c52; s68,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}4.87±.22 $M_{\theta\theta}$-4.24±.16; $M_{\phi\phi}$-0.63±.15; $M_{r\theta}$2.95±.23; $M_{\theta\phi}$1.43±.11; $M_{\phi r}$-0.02±.21; Best double couple: NP1:ϕ_s298.00000°,δ31.00000°,λ106.00000°. NP2:ϕ_s100.00000°,δ61.00000°,λ81.00000°. Principal axes: T 5.7700,Plg73.0000°,Azm348.0000°; N -0.2600,Plg8.0000°,Azm104.0000°; P -5.5000,Plg15.0000°,Azm196.0000° $M_0$5.60000×10^{16}
ISC V 11 05 07 42.1–.78 22.5S–.20 170.66E–.08 33 4.3b,3.7s 41 4-166
IDC V 11 05 07 37.2–1.5 22.43S 170.75E 0 4.3,4.2L **¶13678732**
NOU V 11 05 07 40.8–1.4 21.14S 170.69E 30 3.3L,3.1
ISCJB V 11 05 07 40.2–.90 22.6S–.20 170.64E–.07 33 4.1b,3.8s
NEIC V 11 05 07 42.2–.79 22.54S 170.65E 35 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=65.0km s-min=33.2km az=163.0.
NOU Error ellipse: s-maj=100.9km s-min=34.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=23.3km s-min=7.3km az=12.1.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=16.6km az=206.0.
ISC V 13 21 58 31.1–.35 21.17S–.06 170.60E–.06 35 4.8b 294 4-167
SZGRF V 13 21 58 26.1 22.68S 171.20E 33 4.8b **¶15246558**
ISCJB V 13 21 58 29.3–.33 21.16S–.05 170.62E–.04 33 4.8b,4.1s
NOU V 13 21 58 38.6–.95 24.33S 169.83E 30 3.7L,3.3
IDC V 13 21 58 40.4–1.5 21.32S 170.25E 110–11 4.5,4.4
NEIC V 13 21 58 42.0–1.2 21.28S 170.22E 123–10 4.9b,4.4
BJI V 13 21 58 43.0 20.69S 169.59E 103 5.0b,4.6b
AUST V 13 21 58 51.2 21.50S 170.00E 200 5.0b,4.6b
DJA V 13 21 58 59.1–5.6 21S–13 170E–37 258–41 5.0,5.0b
ISC Event type se.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type se.
NEIC Event type se.
ISC V 18 13 38 23.7–3.1 22.3S–.80 172.9E–.20 35 3.8b 10 6-44
IDC V 18 13 38 29.5–9.3 21.54S 172.47E 81–58 4.3L,3.8 **¶16155872**
ISC Event type ke.
IDC Error ellipse: s-maj=109.9km s-min=66.0km az=177.0.
IDC V 20 11 39 45.5–8.0 21.64S 171.20E 140–47 3.5,3.3
NOU V 20 11 39 41.8–.65 21.08S 171.50E 30 3.4,3.3 **¶13679307**
IDC Error ellipse: s-maj=101.4km s-min=53.3km az=148.0.
NOU Error ellipse: s-maj=60.7km s-min=17.5km az=-1.0.
NOU V 22 00 25 51.4–1.5 22.19S 170.26E 30 2.9L,2.9
IDC V 22 00 25 41.9–3.5 20.81S 170.01E 0 4.0,3.8 **¶13679396**
NOU Error ellipse: s-maj=102.0km s-min=10.2km az=-1.0.
IDC Error ellipse: s-maj=178.3km s-min=40.2km az=155.0.
IDC V 23 09 48 37.4–2.4 22.81S 171.53E 0 3.8,3.6
¶16156044
IDC Error ellipse: s-maj=168.2km s-min=33.1km az=162.0.
IDC VI 03 04 53 51.9–2.3 23.11S 170.83E 0 4.1,4.1L
¶16100889
IDC Error ellipse: s-maj=72.0km s-min=28.2km az=160.0.
ISC VI 03 23 36 21.1–.47 23.22S–.08 170.19E–.08 25 4.5b 86 3-151
NOU VI 03 23 36 16.4–.34 22.19S 170.84E 10 3.6L,3.3 **¶13680378**
IDC VI 03 23 36 17.0–.61 23.21S 170.24E 0 4.6,4.5
ISCJB VI 03 23 36 19.0–.41 23.25S–.07 170.22E–.06 25 4.5b,3.7s
NEIC VI 03 23 36 22.2–1.5 23.21S 170.18E 35–13 4.9b,3.7s
ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=19.3km s-min=15.1km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.6km az=27.7.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.0km az=67.0.
ISC VI 07 22 05 18.3–2.0 21.9S–.60 170.2E–.20 25 3.6b 9 3-147
IDC VI 07 22 05 15.3–2.6 21.74S 170.06E 0 3.8,3.7 **¶16101079**
ISC Event type ke.
IDC Error ellipse: s-maj=98.6km s-min=37.0km az=159.0.
ISC VI 09 05 11 09.9–.34 22.78S–.05 171.46E–.05 55–2 5.2b,5.1s 468 4-167
IDC VI 09 05 11 01.8–.42 22.69S 171.52E 0 5.0s,5.0 **¶15155964**
NOU VI 09 05 11 02.9–.84 21.44S 171.83E 30 3.9L,3.4
NEIC VI 09 05 11 04.5–.18 22.69S 171.47E 14 5.4W,5.2b
ISCJB VI 09 05 11 07.1–.99 22.72S–.04 171.41E–.04 41–8 5.1s,5.1b
MOS VI 09 05 11 08.1–1.4 22.74S 171.41E 47 5.4b,5.2s
AUST VI 09 05 11 08.8 22.99S 171.63E 35 5.4b,5.2s
BJI VI 09 05 11 11.7 21.96S 171.36E 57 5.3s,5.3b
GCMT VI 09 05 11 11.1–.10 22.85S 171.40E 23–0 5.5W,5.3b
DJA VI 09 05 11 30.9–4.5 23S–9.0 171E–27 182–29 5.4b,5.2
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}1.00 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$0.29 $M_{r\theta}$0.75 $M_{\theta\phi}$0.19 $M_{\phi r}$0.02 Best double couple: NP1:ϕ_s91.00000°,δ62.00000°,λ83.00000°. NP2:ϕ_s285.00000°,δ29.00000°,λ103.00000°. Principal axes: T 1.2300,Plg72.0000°,Azm344.0000°; N 0.3000,Plg6.0000°,Azm93.0000°; P -1.5300,Plg16.0000°,Azm185.0000° $M_0$1.40000×10^{17}
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 113 sta. Moment Tensor Solution. s87,c159; s99,c198; Moment tensor: Scale 10^{17}Nm; M_{rr}1.43±.03 $M_{\theta\theta}$-1.73±.03; $M_{\phi\phi}$0.30±.03; $M_{r\theta}$1.40±.06; $M_{\theta\phi}$1.33±.02; $M_{\phi r}$0.12±.05; Best double couple: NP1:ϕ_s327.00000°,δ37.00000°,λ140.00000°. NP2:ϕ_s91.00000°,δ67.00000°,λ60.00000°. Principal axes: T 2.1800,Plg57.0000°,Azm320.0000°; N 0.5700,Plg28.0000°,Azm104.0000°; P -2.7500,Plg17.0000°,Azm203.0000° $M_0$2.50000×10^{17}
ISC VI 09 14 23 16.6–.65 22.90S–.09 171.36E–.07 49 4.0b,3.5s 38 5-166
IDC VI 09 14 23 10.0–1.1 22.79S 171.38E 0 4.3L,4.2 **¶13681051**
NEIC VI 09 14 23 11.8–.51 22.78S 171.35E 10 4.7b,4.2
ISCJB VI 09 14 23 15.8–.69 22.8S–.10 171.26E–.07 49 4.1b,3.6s
AUST VI 09 14 24 33.5 23.45S 166.19E 450 4.1b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=24.7km az=154.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.7km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=8.3km az=15.3.
IDC VI 09 16 34 30.9–2.9 22.70S 171.35E 0 3.9,3.7
¶16101157
IDC Error ellipse: s-maj=92.1km s-min=42.5km az=163.0.
ISC VI 11 20 43 51.1–.60 22.9S–.10 171.25E–.07 49 4.5b,3.7s 51 4-166
IDC VI 11 20 43 44.2–1.1 22.73S 171.36E 0 4.5,4.3 **¶13681184**
ISCJB VI 11 20 43 49.4–.54 22.86S–.10 171.24E–.05 49 4.5b,3.8s
NEIC VI 11 20 43 51.3–1.4 22.80S 171.21E 52–12 4.6b,3.8s
NOU VI 11 20 43 54.2–.30 18.21S 168.39E 30 2.2L,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=34.6km s-min=24.6km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=6.6km az=3.4.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=9.8km az=161.0.
NOU Error ellipse: s-maj=9.5km s-min=31.7km az=-1.0.
IDC VI 12 12 04 07.2–2.2 22.32S 171.29E 0 4.2L,4.1
¶16101235
IDC Error ellipse: s-maj=78.3km s-min=26.4km az=161.0.
ISC VI 12 14 58 13.0–1.2 23.0S–.30 171.39E–.10 49 4.1b 15 5-166
IDC VI 12 14 58 05.8–1.3 23.01S 171.51E 0 4.4,4.1 **¶16101243**
ISCJB VI 12 14 58 11.0–1.1 23.1S–.30 171.39E–.08 49 4.1b,3.8s
ISC Event type ke.
ISCJB Event type ke.
IDC VI 12 16 01 34.2–2.1 22.62S 171.40E 0 4.2,4.1L
¶16101245
IDC Error ellipse: s-maj=93.1km s-min=26.3km az=166.0.
ISC VI 15 04 30 25.0–.53 22.4S–.10 173.91E–.07 35 4.2b,3.7s 41 6-168
IDC VI 15 04 30 19.5–.75 22.32S 173.94E 0 4.3,4.2 **¶13681397**
ISCJB VI 15 04 30 23.4–.50 22.34S–.09 173.86E–.07 35 4.1b,3.7s
NEIC VI 15 04 30 26.1–1.5 22.35S 173.87E 46–13 4.4b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=19.1km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=6.6km az=152.5.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=9.7km az=148.0.
ISC VI 17 02 05 38.2–1.6 23.2S–.50 171.4E–.10 49 3.6b 8 5-149
ISCJB VI 17 02 05 37.3–1.5 23.1S–.40 171.3E–.10 49 3.7b **¶16101423**
IDC VI 17 02 05 40.5–8.1 22.70S 171.23E 58–61 3.7,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=63.5km s-min=17.1km az=4.0.
IDC Error ellipse: s-maj=104.8km s-min=36.9km az=162.0.
IDC VI 25 15 25 54.1–3.2 22.85S 171.13E 0 4.2,4.1b
¶16101718
IDC Error ellipse: s-maj=123.5km s-min=49.0km az=165.0.
ISC VI 29 11 56 32.7–.32 21.60S–.05 170.64E–.05 174–2 4.9b 467 4-167
ISCJB VI 29 11 56 31.5–.78 21.60S–.06 170.65E–.05 173–6 4.9b **¶13307326**
SZGRF VI 29 11 56 31.0 22.14S 170.90E 163 4.9b
BJI VI 29 11 56 33.7 21.15S 170.65E 177 4.9b,4.8b
MOS VI 29 11 56 33.8–1.5 21.54S 170.50E 185 5.0b,4.8b

NEIC VI 29 11 56 33.2–.75 21.57S 170.66E 176–6 5.1b,4.8b
IDC VI 29 11 56 33.1–.50 21.62S 170.56E 170–3 4.6,4.5b
BGS VI 29 11 56 35.4–5.9 21.57S 170.66E 176 5.1b,4.5b
DJA VI 29 11 56 48.6–6.7 22S–13 170E–42 281–56 6.0,5.2b
ISC Event type se.
ISCJB Event type se.
SZGRF Southeast of Loyalty Islands.
NEIC Event type se.

SEISMIC REGION 15.
Bismarck and Solomon Islands.

(190) New Ireland region.

ISC I 07 16 29 32.5–.79 3.36S–.07 150.4E–.20 27 4.5b,4.5s 41 7-148
IDC I 07 16 29 29.5–.76 3.35S 150.18E 0 4.6,4.5 ¶12080658
ISCJB I 07 16 29 31.7–.51 3.34S–.05 150.2E–.10 27 4.5b,4.4s
NEIC I 07 16 29 35.6–3.0 3.44S 150.18E 46–28 4.8b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=14.9km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=6.9km az=13.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=16.4km az=75.0.
ISC I 08 21 47 05.1–.33 4.82S–.04 153.16E–.05 68–2 4.9b 309 7-158
MOS I 08 21 47 00.0–1.2 4.69S 153.04E 33 5.2b ¶11534397
ISCJB I 08 21 47 02.5–.88 4.79S–.04 153.15E–.04 58–8 4.9b,4.5s
IDC I 08 21 47 03.7–.52 4.71S 153.15E 54–4 4.5,4.5
NEIC I 08 21 47 03.9–.24 4.77S 153.07E 55 5.1b,4.5
DJA I 08 21 47 05 4.79S 153.35E 70 5.2b,4.5
BJI I 08 21 47 05.7 4.60S 153.00E 77 5.1b,5.0s
ISC Event type fe.
MOS Error ellipse: s-maj=9.9km s-min=7.1km az=94.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=6.3km az=165.7.
IDC Error ellipse: s-maj=13.3km s-min=8.8km az=106.0.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=5.0km az=92.0. Felt at Rabaul.
IDC I 09 21 59 42.7–3.6 4.65S 153.89E 0 3.9,3.8b
¶12080893
IDC Error ellipse: s-maj=119.1km s-min=23.6km az=110.0.
IDC I 18 10 30 11.9–2.0 3.71S 152.36E 0 3.7,3.6
¶12081636
IDC Error ellipse: s-maj=69.7km s-min=21.5km az=114.0.
IDC I 18 19 30 51.7–1.5 5.38S 153.42E 0 3.9,3.7b
¶12081665
IDC Error ellipse: s-maj=52.9km s-min=20.4km az=121.0.
IDC I 22 03 40 14.6–6.8 3.95S 152.64E 145–63 3.7,3.5
¶12082028
IDC Error ellipse: s-maj=27.9km s-min=20.3km az=132.0.
IDC I 23 07 13 02.8–5.7 3.50S 151.51E 77–54 3.6,3.5
¶12082107
IDC Error ellipse: s-maj=33.2km s-min=29.5km az=96.0.
IDC I 24 00 30 48.7–3.8 5.84S 153.98E 0 3.5,3.2b
¶12082170
IDC Error ellipse: s-maj=170.2km s-min=52.9km az=126.0.
IDC I 29 15 00 51.5–4.5 4.89S 153.39E 113–41 3.5s,3.5
¶12082669
IDC Error ellipse: s-maj=25.4km s-min=22.8km az=55.0.
IDC I 31 00 51 17.1–3.5 4.73S 153.16E 0 3.8,3.5b
¶12082776
IDC Error ellipse: s-maj=168.9km s-min=45.3km az=122.0.
IDC II 01 07 51 59.3–1.2 4.69S 153.11E 78–7 3.6,3.4
¶15954816
IDC Error ellipse: s-maj=56.1km s-min=21.0km az=114.0.
IDC II 03 08 41 34.5–3.9 4.81S 153.33E 0 3.5,3.3
¶15954949
IDC Error ellipse: s-maj=197.5km s-min=46.7km az=122.0.
IDC II 15 19 22 01.0–3.0 3.95S 151.89E 0 3.6,3.3
¶15956177
IDC Error ellipse: s-maj=132.9km s-min=41.8km az=120.0.
IDC II 18 00 33 59.7–1.7 4.36S 153.02E 0 4.1,3.8b
¶15956526
IDC Error ellipse: s-maj=80.4km s-min=36.1km az=141.0.
IDC II 18 21 28 55.0–2.1 3.72S 151.91E 0 3.7,3.5
¶15956592
IDC Error ellipse: s-maj=143.7km s-min=28.7km az=124.0.
IDC II 22 14 28 16.4–5.5 4.51S 153.06E 87–45 3.4,3.3
¶15956945
IDC Error ellipse: s-maj=54.7km s-min=26.9km az=117.0.
ISC III 02 07 56 13.7–.34 4.91S–.05 153.56E–.05 87–2 4.9b 228 8-151
BJI III 02 07 56 09.6 5.15S 153.84E 90 5.1b,4.8b ¶15153014
ISCJB III 02 07 56 11.0–1.1 4.85S–.04 153.49E–.05 75–10 4.8b,4.8b
IDC III 02 07 56 12.7–.48 4.87S 153.55E 79–3 4.4,4.4
GCMT III 02 07 56 13.9–.20 4.99S 153.46E 57–2 5.0W,4.4
NEIC III 02 07 56 14.3–.98 4.87S 153.47E 94–9 5.0b,4.4
DJA III 02 07 56 15.8–1.2 5S–9.0 153E–6.0 100–13 6.2,5.6
AUST III 02 07 56 15.8–1.9 5.09S 153.58E 97–0 6.2,5.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.7km az=37.2.
IDC Error ellipse: s-maj=16.0km s-min=9.9km az=100.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s42,c47; s78,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}1.60±.16 $M_{\theta\theta}$-0.57±.12; $M_{\phi\phi}$-1.03±.13; $M_{r\theta}$0.61±.08; $M_{\theta\phi}$2.80±.10; $M_{\phi r}$-2.63±.09; Best double couple: NP1:ϕ_s278.00000°,δ39.00000°,λ24.00000°. NP2:ϕ_s169.00000°,δ75.00000°,λ126.00000°. Principal axes: T 3.5400,Plg47.0000° ,Azm117.0000°; N 1.0100,Plg35.0000°,Azm338.0000°; P -4.5500,Plg22.0000° ,Azm232.0000° $M_0$4.00000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.9km az=136.0.
AUST Error ellipse: s-maj=2.7km s-min=1.1km az=40.0.
IDC III 02 18 34 21.5–.88 5.55S 153.29E 0 4.0,3.9
¶12702290
IDC Error ellipse: s-maj=26.0km s-min=18.3km az=113.0.
ISC III 02 23 13 13.9–.62 4.40S–.08 153.15E–.07 55 4.2b 41 8-151
ISCJB III 02 23 13 11.9–.58 4.54S–.08 153.26E–.08 55 4.2b,3.8s ¶12702307
IDC III 02 23 13 14.6–4.7 4.58S 153.26E 65–40 4.2,4.0
NEIC III 02 23 13 15.4–2.9 4.59S 153.24E 74–22 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=9.4km az=37.2.
IDC Error ellipse: s-maj=24.8km s-min=19.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=13.6km az=92.0.
ISC III 03 01 19 38.1–.32 3.77S–.04 151.28E–.05 10 5.0b,4.7s 235 7-156
ISCJB III 03 01 19 36.7–.22 3.77S–.03 151.32E–.04 10 4.9b,4.7s ¶15850237
IDC III 03 01 19 36.0–.53 3.86S 151.34E 0 5.2L,4.8
NEIC III 03 01 19 38.5–.24 3.76S 151.24E 11 5.3W,5.2b
MOS III 03 01 19 39.8–1.1 3.74S 151.26E 33 5.0b,4.6s
GCMT III 03 01 19 41.4–.10 3.65S 151.38E 12 5.3W,4.6s
DJA III 03 01 19 44.5–1.4 4S–5.0 152E–12 99–8 5.7b,5.3
BJI III 03 01 19 46.5 3.47S 151.43E 82 5.3b,5.0s
AUST III 03 01 19 46.1 3.76S 151.05E 60 5.3b,5.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=7.7.
IDC Error ellipse: s-maj=16.7km s-min=10.5km az=109.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.3km az=101.0. Moment Tensor Solution. s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.44 $M_{\theta\theta}$0.72 $M_{\phi\phi}$-1.15 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.41 $M_{\phi r}$-0.08 Best double couple: NP1:ϕ_s213.00000°,δ85.00000°,λ172.00000°. NP2:ϕ_s303.00000° ,δ82.00000°,λ5.00000°. Principal axes: T 0.8100,Plg8.0000°,Azm167.0000° ; N 0.4300,Plg80.0000°,Azm2.0000°; P -1.2400,Plg2.0000°,Azm258.0000° $M_0$1.10000×10^{17}
MOS Error ellipse: s-maj=10.8km s-min=6.7km az=94.4.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=203, per= 50. Moment Tensor Solution. s79,c124; s26,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15±.02 $M_{\theta\theta}$1.30±.02; $M_{\phi\phi}$-1.16±.02; $M_{r\theta}$0.11±.04; $M_{\theta\phi}$0.43±.02; $M_{\phi r}$-0.14±.05; Best double couple: NP1:ϕ_s36.00000°,δ82.00000°,λ-177.00000°. NP2:ϕ_s305.00000°,δ87.00000°,λ-8.00000°. Principal axes: T 1.3800,Plg3.0000°,Azm351.0000°; N -0.1300,Plg82.0000°,Azm103.0000° ; P -1.2500,Plg8.0000°,Azm260.0000° $M_0$1.30000×10^{17}
IDC III 03 02 00 03.4–.97 3.62S 151.33E 0 3.9,3.8
¶12702317
IDC Error ellipse: s-maj=34.7km s-min=21.0km az=111.0.
ISC III 03 04 17 01.4–.61 3.81S–.08 151.5E–.10 21 4.2b,3.7s 45 7-153
IDC III 03 04 16 58.1–.69 3.84S 151.49E 0 4.2,4.1 ¶12055756
ISCJB III 03 04 16 60.0–.53 3.79S–.07 151.4E–.10 21 4.1b,3.7s
NEIC III 03 04 16 59.8–.47 3.77S 151.43E 10 4.4b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=16.1km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=9.1km az=17.2.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=8.3km az=104.0.
ISC III 03 04 52 09.2–.37 3.84S–.04 151.40E–.05 62–2 5.0b 246 7-156
AUST III 03 04 51 58.6 3.75S 152.05E 0 5.0b ¶15153025
IDC III 03 04 52 00.1–.54 3.80S 151.41E 0 4.7,4.6
NEIC III 03 04 52 02.6–.21 3.72S 151.32E 10 5.1b,4.6
MOS III 03 04 52 04.5–1.2 3.69S 151.26E 33 5.2b,4.6s
ISCJB III 03 04 52 05.5–.99 3.78S–.04 151.36E–.04 43–9 5.0b,4.6s
GCMT III 03 04 52 05.5–.20 3.67S 151.38E 12 5.2W,4.6s
BJI III 03 04 52 09.3 3.80S 151.10E 61 5.2b,5.0s
DJA III 03 04 52 28.9–2.8 5S–12 150E–24 124–13 6.6,5.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c93; s96,c169; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.19±.15 $M_{\theta\theta}$8.05±.13; $M_{\phi\phi}$-6.87±.14; $M_{r\theta}$-0.05±.36; $M_{\theta\phi}$2.68±.13; $M_{\phi r}$-1.09±.37; Best double couple: NP1:ϕ_s305.00000°,δ82.00000°,λ-6.00000°. NP2:ϕ_s36.00000°,δ84.00000°,λ-172.00000°. Principal axes: T 8.5200,Plg1.0000° ,Azm170.0000°; N -1.0200,Plg80.0000°,Azm72.0000°; P -7.5200,Plg10.0000° ,Azm260.0000° $M_0$8.00000×10^{16}
IDC III 03 18 33 09.7–3.3 4.67S 153.03E 0 3.6,3.5b
¶12702373
IDC Error ellipse: s-maj=99.7km s-min=27.9km az=106.0.
IDC III 10 02 01 34.0–5.5 3.49S 150.91E 69–51 3.8,3.6
¶12702834
IDC Error ellipse: s-maj=51.5km s-min=27.6km az=115.0.
IDC III 10 14 51 19.9–8.9 4.36S 153.48E 80–62 3.6,3.5
¶12702880
IDC Error ellipse: s-maj=104.0km s-min=57.2km az=128.0.
IDC III 10 18 30 53.0–5.7 3.38S 152.77E 289–45 3.3,3.2
¶12702900
IDC Error ellipse: s-maj=64.8km s-min=24.2km az=91.0.
ISC III 11 16 30 09.9–1.3 4.9S–.20 153.70E–.08 56 3.8b 9 8-151
ISCJB III 11 16 30 05.8–.77 4.88S–.09 153.75E–.06 56 3.9b,3.0s ¶12702983
IDC III 11 16 30 10.8–3.3 4.93S 153.74E 91–31 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=9.0km az=8.2.
IDC Error ellipse: s-maj=27.2km s-min=16.5km az=179.0.
IDC III 20 01 47 10.8–2.2 5.09S 153.04E 0 3.5,3.4b
¶12703762
IDC Error ellipse: s-maj=74.1km s-min=35.4km az=119.0.
IDC III 20 22 20 57.8–2.0 3.42S 151.97E 404–22 3.3,3.2
¶12703857
IDC Error ellipse: s-maj=20.3km s-min=12.8km az=121.0.
IDC III 21 21 09 51.4–2.3 3.80S 152.47E 0 3.6,3.4
¶12635216
IDC Error ellipse: s-maj=106.9km s-min=41.0km az=128.0.
IDC III 22 14 25 43.6–5.0 3.95S 151.06E 75–42 3.6,3.4b
¶12635294
IDC Error ellipse: s-maj=70.3km s-min=25.8km az=116.0.
IDC III 31 08 09 02.4–3.7 5.24S 153.47E 0 3.5,3.3b
¶12636014
IDC Error ellipse: s-maj=129.6km s-min=34.1km az=112.0.
IDC IV 03 14 34 46.1–.87 2.26S 152.67E 0 4.1,4.0
¶16152314
IDC Error ellipse: s-maj=34.6km s-min=17.0km az=111.0.
IDC IV 03 20 38 24.7–4.8 2.27S 152.35E 99–41 3.6,3.6
¶16152327
IDC Error ellipse: s-maj=32.0km s-min=16.6km az=93.0.
IDC IV 05 07 35 37.5–3.5 2.40S 151.39E 0 4.5s,4.5
¶16152406
IDC Error ellipse: s-maj=121.2km s-min=48.7km az=116.0.
ISC IV 05 11 38 38.6–.59 2.15S–.07 152.72E–.09 35 4.0b 34 9-149
IDC IV 05 11 38 32.5–.85 2.35S 152.78E 0 4.1,4.0 ¶12934571
ISCJB IV 05 11 38 36.1–.57 2.23S–.06 152.69E–.07 33 3.8b,4.0
NEIC IV 05 11 38 38.5–.65 2.27S 152.53E 35 4.2b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=17.5km az=104.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=8.7km az=164.8.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=13.3km az=95.0.
ISC IV 05 14 46 10.1–.44 4.90S–.07 153.32E–.08 56 4.3b,3.4s 78 8-151
IDC IV 05 14 46 02.3–.55 4.82S 153.50E 0 4.3,4.2 ¶12934562
ISCJB IV 05 14 46 08.5–.36 4.91S–.05 153.38E–.07 56 4.3b,3.4s
NEIC IV 05 14 46 10.7–1.1 4.90S 153.37E 63–10 4.5b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=12.3km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=7.1km az=4.7.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.6km az=86.0.
IDC IV 08 08 50 44.0–9.2 4.85S 153.96E 46–66 3.6,3.5
¶16152542
IDC Error ellipse: s-maj=108.4km s-min=58.6km az=127.0.
IDC IV 08 19 16 43.5–4.8 5.96S 153.94E 75–38 3.9L,3.8
¶16152560
IDC Error ellipse: s-maj=29.7km s-min=20.1km az=57.0.
IDC IV 11 15 16 24.8–5.5 5.25S 153.49E 100–44 3.5,3.4
¶16152669
IDC Error ellipse: s-maj=48.2km s-min=25.9km az=115.0.
IDC IV 12 10 07 56.5–4.3 3.34S 150.27E 0 3.5,3.4
¶16152704
IDC Error ellipse: s-maj=142.9km s-min=22.4km az=103.0.
IDC IV 12 10 11 12.4–4.4 3.55S 150.86E 0 3.6,3.4
¶16152705
IDC Error ellipse: s-maj=134.5km s-min=32.7km az=104.0.
ISC IV 13 07 39 04.4–2.9 5.9S–.20 154.0E–.30 200 4.1b 11 8-59
IDC IV 13 07 39 01.8–11 5.86S 154.16E 183–68 3.8,3.7b ¶15153693
AUST IV 13 07 39 26.1–16 6.66S 153.57E 382–1 3.8,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=112.3km s-min=33.2km az=76.0.
AUST Error ellipse: s-maj=5.6km s-min=1.9km az=42.0.
IDC IV 18 00 28 07.0–1.4 4.67S 153.68E 0 3.7,3.6
¶16152959
IDC Error ellipse: s-maj=46.2km s-min=23.2km az=107.0.
IDC IV 18 06 10 09.9–5.3 4.92S 153.15E 53–45 3.7,3.6
¶16152971
IDC Error ellipse: s-maj=30.8km s-min=24.4km az=51.0.
IDC IV 18 09 09 34.7–2.0 3.18S 150.72E 0 3.8,3.6b
¶16152978
IDC Error ellipse: s-maj=145.6km s-min=32.0km az=127.0.
IDC IV 22 03 37 59.1–1.9 3.26S 151.10E 0 3.6,3.3
¶16153252
IDC Error ellipse: s-maj=124.9km s-min=27.1km az=123.0.
IDC IV 26 18 36 14.8–2.8 4.98S 153.19E 61–28 3.9,3.9
¶16154528
IDC Error ellipse: s-maj=18.3km s-min=15.1km az=148.0.
ISC IV 27 08 44 28.0–.49 5.99S–.08 153.70E–.07 32 4.4b,3.9s 61 7-152
IDC IV 27 08 44 21.6–.81 6.04S 154.00E 0 4.4,4.3 ¶12704941
ISCJB IV 27 08 44 26.0–.42 5.99S–.06 153.69E–.06 32 4.3b,3.8s
NEIC IV 27 08 44 30.2–1.5 6.07S 153.71E 57–14 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=16.4km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.6km az=39.9.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.4km az=153.0.
IDC V 05 10 17 25.4–2.0 3.84S 151.75E 0 4.5,4.3
¶16154932

IDC Error ellipse: s-maj=43.6km s-min=33.0km az=2.0.
ISC V 13 17 51 25.5–1.1 5.4S–.10 153.2E–.20 37 3.9b,3.4s 21 7-151
IDC V 13 17 51 19.9–1.3 5.42S 153.22E 0 4.1,3.9 ¶16155716
ISCJB V 13 17 51 24.0–.81 5.4S–.10 153.1E–.10 37 3.8b,3.4s
AUST V 13 17 51 59.6–.01 7.43S 153.65E 174–0 3.8b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=16.6km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=23.6km s-min=9.1km az=36.8.
AUST Error ellipse: s-maj=1.9km s-min=1.1km az=17.0.
IDC V 13 19 26 55.9–9.1 5.57S 153.46E 123–62 3.4,3.2
¶16155719
IDC Error ellipse: s-maj=100.2km s-min=55.7km az=125.0.
IDC V 18 17 39 35.1–8.4 3.84S 152.53E 160–52 3.5,3.3
¶16155880
IDC Error ellipse: s-maj=126.9km s-min=34.4km az=102.0.
IDC V 18 18 50 53.7–3.4 3.25S 151.44E 0 4.1,3.9
¶16155882
IDC Error ellipse: s-maj=115.2km s-min=46.8km az=117.0.
IDC V 24 01 50 11.6–2.2 4.86S 153.09E 0 3.7,3.6
¶16156074
IDC Error ellipse: s-maj=97.1km s-min=33.5km az=127.0.
IDC V 24 11 43 35.0–1.4 2.68S 151.26E 0 3.8,3.6
¶16156096
IDC Error ellipse: s-maj=153.9km s-min=21.2km az=124.0.
IDC V 24 14 10 35.0–12 3.54S 153.41E 417–198 3.0,2.9
¶16156103
IDC Error ellipse: s-maj=164.2km s-min=48.5km az=116.0.
IDC V 26 16 48 40.0–2.0 4.30S 153.10E 87–9 3.7,3.5
¶16156187
IDC Error ellipse: s-maj=93.2km s-min=25.3km az=130.0.
IDC V 30 03 37 24.0–1.8 3.78S 151.17E 0 3.6,3.4
¶16066060
IDC Error ellipse: s-maj=89.9km s-min=25.4km az=121.0.
IDC VI 02 16 55 37.7–6.6 4.86S 153.31E 57–54 3.7,3.6
¶16066235
IDC Error ellipse: s-maj=58.5km s-min=28.3km az=110.0.
IDC VI 07 07 26 47.3–4.6 5.16S 153.50E 58–38 3.9,3.9
¶16101051
IDC Error ellipse: s-maj=29.2km s-min=18.1km az=66.0.
IDC VI 14 07 43 03.9–2.2 4.72S 153.31E 0 3.7,3.4
¶16101306
IDC Error ellipse: s-maj=163.9km s-min=26.8km az=127.0.
IDC VI 15 11 07 54.9–7.3 4.56S 153.29E 155–52 3.7,3.6
¶16101356
IDC Error ellipse: s-maj=63.4km s-min=30.7km az=91.0.
IDC VI 16 13 22 08.9–12 2.90S 152.61E 233–105 3.7,3.5
AUST VI 16 13 22 02.4–7.7 1.37S 152.69E 265–0 3.7,3.5 ¶15156157
IDC Error ellipse: s-maj=66.1km s-min=24.4km az=15.0.
AUST Error ellipse: s-maj=6.2km s-min=1.8km az=359.0.
IDC VI 16 20 12 35.1–3.7 3.17S 151.55E 0 4.3,4.0
¶16101415
IDC Error ellipse: s-maj=147.8km s-min=49.1km az=115.0.
ISC VI 19 15 35 30.8–.97 1.9S–.10 151.9E–.20 35 4.0b 29 25-93
IDC VI 19 15 35 25.5–1.1 1.90S 151.92E 0 4.1,4.0 ¶13681667
ISCJB VI 19 15 35 28.8–.88 1.94S–.09 151.9E–.20 33 4.0b,4.0
NEIC VI 19 15 35 32.7–5.8 1.94S 151.87E 52–54 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=17.4km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=31.0km s-min=10.9km az=15.3.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=11.6km az=101.0.
IDC VI 21 10 13 54.5–2.9 4.85S 153.79E 0 4.2,4.0
¶16101565
IDC Error ellipse: s-maj=117.1km s-min=36.0km az=122.0.
IDC VI 22 04 06 05.3–5.5 4.45S 153.55E 110–45 4.0,3.8
¶16101596
IDC Error ellipse: s-maj=38.7km s-min=23.4km az=94.0.
ISC VI 23 14 19 18.2–.25 5.22S–.03 153.71E–.03 64–1 5.9b 1392 7-167
ISCJB VI 23 14 19 13.5–.73 5.18S–.03 153.73E–.02 37–6 6.2s,5.8b ¶16718055
BJI VI 23 14 19 13.6 5.01S 154.58E 63 6.7b,6.3s
BGS VI 23 14 19 17.5–2.1 5.16S 153.78E 67 6.2s,6.3s
NEIC VI 23 14 19 17.8–.13 5.20S 153.70E 65 5.5b,6.3s
MOS VI 23 14 19 20.2–1.0 5.12S 153.74E 52 6.6b,6.1s
TEH VI 23 14 19 21.9 5.32S 153.44E 80 6.8L,6.1s
IDC VI 23 14 19 22.0–.44 5.21S 153.72E 96–3 6.2s,6.2
DJA VI 23 14 19 23.0–.80 5S–4.0 154E–5.0 96–7 7.8,7.0b
GCMT VI 23 14 19 29.6–.10 5.22S 153.74E 70–0 6.7W,7.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=12.4.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.4km az=112.0.
MOS Error ellipse: s-maj=8.1km s-min=6.6km az=72.0.
IDC Error ellipse: s-maj=11.8km s-min=8.4km az=77.0.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 116 sta. Surface waves: sta=120, comp=290, per= 50. Moment Tensor Solution. s122,c307; s99,c254; Moment tensor: Scale 10^{19}Nm; M_{rr}1.34±.01 $M_{\theta\theta}$-0.49±.01; $M_{\phi\phi}$-0.85±.01; $M_{r\theta}$-0.31±.01; $M_{\theta\phi}$0.75±.01; $M_{\phi r}$0.50±.01; Best double couple: NP1:ϕ_s139.00000°,δ34.00000° ,λ85.00000°. NP2:ϕ_s325.00000°,δ56.00000°,λ93.00000°. Principal axes: T 1.4600,Plg78.0000°,Azm246.0000°; N 0.1000,Plg3.0000°,Azm143.0000° ; P -1.5600,Plg11.0000°,Azm52.0000° $M_0$1.50000×10^{19}
ISC VI 23 14 19 22.7–.31 5.15S–.04 153.80E–.04 65–2 6.3b 418 7-159
ISCJB VI 23 14 19 21.4–1.0 5.14S–.04 153.72E–.03 64–9 6.2b ¶16874517
NEIC VI 23 14 19 22.4–.13 5.16S 153.78E 64 6.7W,6.7W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.1km az=14.6.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.5km az=140.0. Felt [V] at Kokopo, New Britain. Also felt at Arawa, Bougainville. Two events about 4 seconds apart observed on broadband displacement seismograms. Depth and focal mechanism from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s325.00000°,δ50.00000°,λ90.00000°. NP2:ϕ_s145.00000°,δ40.00000°,λ90.00000°. Principal axes: T Plg85.0000°,Azm235.0000°; N Plg0.0000°,Azm0.0000°; P Plg5.0000° ,Azm55.0000° Moment Tensor Solution. s47 Moment tensor: Scale 10^{19}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-0.87 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.63 $M_{\phi r}$0.59 Best double couple: NP1:ϕ_s336.00000° ,δ58.00000°,λ100.00000°. NP2:ϕ_s138.00000°,δ33.00000°,λ75.00000°. Principal axes: T 1.3200,Plg74.0000°,Azm272.0000°; N 0.0900,Plg8.0000°,Azm150.0000° ; P -1.4100,Plg12.0000°,Azm58.0000° $M_0$1.40000×10^{19}
IDC VI 23 23 10 00.6–4.0 5.51S 153.58E 0 3.9,3.8
¶16101671
IDC Error ellipse: s-maj=130.9km s-min=25.1km az=112.0.

(191) North of Solomon Islands.

IDC VI 09 16 44 21.4–2.2 3.76S 154.33E 0 3.7,3.4
¶16101158
IDC Error ellipse: s-maj=90.1km s-min=27.2km az=119.0.
IDC VI 23 11 18 56.5–7.2 3.96S 154.38E 483–96 3.1,3.0
¶16101648
IDC Error ellipse: s-maj=51.8km s-min=26.8km az=102.0.

(192) New Britain region.

IDC I 02 10 20 14.8–6.4 5.66S 152.14E 44–55 3.7,3.5
¶12079816
IDC Error ellipse: s-maj=114.7km s-min=32.2km az=129.0.
IDC I 04 20 31 15.8–3.9 6.34S 148.70E 77–41 4.2L,4.0
¶12080282
IDC Error ellipse: s-maj=74.4km s-min=25.8km az=119.0.
IDC I 05 01 55 09.7–6.9 6.20S 148.66E 92–55 3.6,3.4L
¶12080319
IDC Error ellipse: s-maj=86.9km s-min=50.9km az=122.0.
IDC I 06 13 10 15.3–1.9 4.84S 152.77E 0 3.9,3.6b
¶12080510
IDC Error ellipse: s-maj=102.6km s-min=25.1km az=128.0.
IDC I 06 23 12 52.4–1.9 4.72S 151.38E 0 4.1,3.8b
¶12080565
IDC Error ellipse: s-maj=141.0km s-min=23.7km az=126.0.
IDC I 06 23 17 45.7–2.0 5.40S 150.76E 0 3.7,3.5
¶12080566
IDC Error ellipse: s-maj=141.4km s-min=26.4km az=126.0.
IDC I 07 22 37 22.6–7.4 7.20S 149.74E 86–50 3.4,3.3L
¶12080687
IDC Error ellipse: s-maj=91.1km s-min=52.9km az=129.0.
IDC I 08 13 09 28.2–5.1 4.63S 150.02E 200–41 3.2,3.0
¶12080742
IDC Error ellipse: s-maj=117.0km s-min=43.5km az=121.0.
ISC I 09 08 45 53.1–.34 4.34S–.04 152.18E–.04 189–2 5.0b 532 7-157
SZGRF I 09 08 45 23.5 7.33S 148.19E 33 5.0b ¶13404692
MOS I 09 08 45 49.0–1.0 4.14S 152.12E 158 4.9b
ISCJB I 09 08 45 51.4–.80 4.25S–.03 152.15E–.03 182–7 5.0b
IDC I 09 08 45 51.4–.61 4.30S 152.13E 172–5 4.8,4.8
NEIC I 09 08 45 52.8–.91 4.28S 152.17E 184–8 4.9b,4.8
BJI I 09 08 45 53.0 3.98S 152.62E 205 5.0b,5.0b
DJA I 09 08 45 57 4.52S 152.61E 265 5.3b,5.0b
ISC Event type se.
SZGRF Eastern New Guinea, Papua New Guinea, region.
MOS Error ellipse: s-maj=8.9km s-min=6.9km az=96.5.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.5km az=170.6.
IDC Error ellipse: s-maj=9.1km s-min=6.7km az=98.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.9km az=64.0.
IDC I 10 14 33 56.1–5.0 5.55S 149.15E 0 3.6,3.5
¶12080956
IDC Error ellipse: s-maj=149.0km s-min=34.2km az=104.0.
IDC I 11 01 56 02.6–2.7 6.09S 153.05E 0 3.6,3.5
¶12081003
IDC Error ellipse: s-maj=114.6km s-min=39.4km az=137.0.
IDC I 11 03 41 22.7–5.0 6.24S 150.27E 85–40 3.6,3.4b
¶12081011
IDC Error ellipse: s-maj=62.5km s-min=28.2km az=118.0.
IDC I 11 18 56 58.7–9.3 5.46S 149.39E 0 3.7,3.5
¶12081055
IDC Error ellipse: s-maj=144.7km s-min=69.6km az=37.0.
IDC I 13 01 00 59.6–7.0 5.95S 148.94E 76–57 4.0,3.8
¶12081155
IDC Error ellipse: s-maj=93.8km s-min=47.3km az=121.0.
ISC I 14 05 39 47.2–.71 6.7S–.10 152.5E–.10 23 4.8b 84 6-158
IDC I 14 05 39 43.7–1.0 6.69S 152.48E 0 4.7,4.5b ¶12081250
NEIC I 14 05 39 45.2–.47 6.68S 152.45E 10 4.9b,4.5b
ISCJB I 14 05 39 46.1–.53 6.67S–.09 152.44E–.10 23 4.7b,4.5b
MOS I 14 05 39 47.3–.84 6.69S 152.40E 33 5.0b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=18.9km az=118.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=6.3km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=7.1km az=40.2.
MOS Error ellipse: s-maj=16.6km s-min=13.0km az=64.4.
IDC I 14 08 52 54.7–2.4 6.64S 152.91E 0 3.9,3.7b
¶12081258
IDC Error ellipse: s-maj=98.7km s-min=35.2km az=128.0.
ISC I 14 10 36 50.8–1.2 5.1S–.20 152.6E–.20 55 4.1b 34 7-150
ISCJB I 14 10 36 49.9–.85 5.0S–.20 152.4E–.20 55 4.1b ¶12081262
IDC I 14 10 36 53.1–4.7 5.24S 152.59E 79–42 3.9,3.7b
NEIC I 14 10 36 54.8–2.0 5.20S 152.53E 92–17 4.3b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.1km s-min=8.1km az=38.3.
IDC Error ellipse: s-maj=48.9km s-min=24.5km az=133.0.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=10.5km az=122.0.
ISC I 14 10 40 01.0–.92 5.1S–.20 152.6E–.20 55 4.2b,3.4s 41 7-157
ISCJB I 14 10 39 60.0–.83 5.0S–.10 152.4E–.20 55 4.1b,3.7s ¶12081263
IDC I 14 10 40 01.9–4.5 5.20S 152.55E 68–40 4.0,3.9
NEIC I 14 10 40 02.6–2.5 5.11S 152.53E 71–21 4.1b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.4km s-min=8.1km az=39.0.
IDC Error ellipse: s-maj=37.9km s-min=22.6km az=138.0.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=14.9km az=127.0.
ISC I 15 03 24 29.6–.70 4.3S–.10 152.9E–.10 55 4.3b,3.6s 30 8-150
ISCJB I 15 03 24 28.2–.63 4.27S–.10 152.9E–.10 55 4.1b,3.7s ¶12081306
IDC I 15 03 24 28.6–2.9 4.32S 152.77E 46–26 4.0,3.8
NEIC I 15 03 24 34.1–1.9 4.42S 152.85E 99–17 4.4b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.2km s-min=8.5km az=36.7.
IDC Error ellipse: s-maj=29.2km s-min=16.1km az=118.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.3km az=120.0.
IDC I 17 00 26 13.1–2.3 5.08S 151.44E 108–20 3.6,3.5b
¶12081495
IDC Error ellipse: s-maj=24.9km s-min=13.8km az=120.0.
IDC I 17 03 01 48.9–3.1 5.18S 148.35E 199–30 3.6,3.4b
¶12081506
IDC Error ellipse: s-maj=35.8km s-min=23.8km az=121.0.
IDC I 18 05 35 06.0–2.8 5.42S 150.75E 107–22 3.6,3.5
¶12081606
IDC Error ellipse: s-maj=46.3km s-min=16.8km az=132.0.
IDC I 18 07 31 23.7–5.5 5.26S 148.50E 75–49 3.6,3.5
¶12081618
IDC Error ellipse: s-maj=61.2km s-min=33.7km az=101.0.
IDC I 21 04 39 42.6–3.7 5.34S 150.23E 0 3.4,3.2
¶12081942
IDC Error ellipse: s-maj=148.7km s-min=41.4km az=115.0.
ISC I 22 13 40 26.3–.16 6.05S–.03 148.54E–.03 48 5.6b,5.6s 1112 4-154
BJI I 22 13 40 20.0 6.65S 148.92E 53 5.8b,5.6s ¶13989201
MOS I 22 13 40 25.2–1.1 5.93S 148.46E 47 5.7b,5.5s
ISCJB I 22 13 40 25.4–.12 6.00S–.02 148.48E–.02 48 5.6b,5.6s
NEIC I 22 13 40 26.0–.11 5.91S 148.51E 44 6.1W,6.0W
IDC I 22 13 40 32.3–1.7 6.02S 148.54E 98–14 5.4s,5.4
DJA I 22 13 40 34 6.44S 148.46E 100 5.9W,5.4
ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=5.5km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.8km az=15.8.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=3.0km az=87.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s66 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$-1.22 $M_{\phi\phi}$-0.30 $M_{r\theta}$0.36 $M_{\theta\phi}$-0.18 $M_{\phi r}$-0.10 Best double couple: NP1:ϕ_s255.00000°,δ38.00000°,λ82.00000°. NP2: ϕ_s85.00000°,δ52.00000°,λ96.00000°. Principal axes: T 1.5800,Plg81.0000°,Azm26.0000° ; N -0.2800,Plg4.0000°,Azm260.0000°; P -1.3000,Plg6.0000°,Azm170.0000° $M_0$1.50000×10^{18}
IDC Error ellipse: s-maj=9.9km s-min=8.1km az=98.0.
IDC I 22 21 53 13.2–6.2 4.90S 151.75E 0 3.3,3.2
¶12082079
IDC Error ellipse: s-maj=192.1km s-min=35.3km az=106.0.
IDC I 23 16 49 32.2–3.4 6.04S 150.61E 0 3.4,3.3
¶12082149
IDC Error ellipse: s-maj=138.0km s-min=41.8km az=121.0.
IDC I 23 22 59 07.8–3.6 5.74S 150.83E 0 3.8,3.6
¶12082167
IDC Error ellipse: s-maj=135.5km s-min=48.4km az=117.0.
IDC I 24 01 21 36.6–3.2 4.99S 151.33E 0 3.7,3.6
¶12082173
IDC Error ellipse: s-maj=132.7km s-min=38.7km az=122.0.
ISC I 24 02 27 30.5–.53 5.04S–.06 151.25E–.06 140–4 4.3b 109 6-152
ISCJB I 24 02 27 29.4–1.3 4.99S–.06 151.23E–.05 141–12 4.2b ¶12082182
IDC I 24 02 27 30.6–.62 5.05S 151.24E 140–5 5.2s,5.2
NEIC I 24 02 27 31.6–1.0 5.06S 151.23E 152–9 4.4b,5.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.9km az=164.0.
IDC Error ellipse: s-maj=11.5km s-min=8.6km az=101.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.9km az=106.0.

IDC I 24 03 38 31.4–6.2 6.26S 148.91E 64–60 3.6,3.4L
¶12082187

IDC Error ellipse: s-maj=91.9km s-min=35.1km az=134.0.
IDC I 24 05 00 10.9–3.3 6.06S 150.58E 0 3.7,3.5
¶12082190

IDC Error ellipse: s-maj=128.4km s-min=41.0km az=120.0.
IDC I 25 04 24 40.8–4.2 5.58S 152.27E 0 3.6,3.3b
¶12082279

IDC Error ellipse: s-maj=208.2km s-min=48.0km az=121.0.
IDC I 25 06 31 47.0–5.3 5.33S 151.10E 90–44 3.8,3.6
¶12082290

IDC Error ellipse: s-maj=95.1km s-min=32.5km az=130.0.
IDC I 25 07 16 56.8–9.1 5.55S 151.74E 49–65 3.7,3.6
¶12082291

IDC Error ellipse: s-maj=105.9km s-min=61.5km az=127.0.
IDC I 25 16 15 23.2–1.9 6.15S 150.58E 0 3.9,3.7b
¶12082319

IDC Error ellipse: s-maj=65.9km s-min=24.9km az=112.0.

ISC	**I**	**26 13 51 45.2–.41**	**4.87S–.05**	**150.02E–.07**	**418–3**	**4.3b**	**188**	**5-155**
DJA	I	26 13 51 42	4.85S	150.22E	437	4.7b		**¶11617581**
BJI	I	26 13 51 44.3	4.82S	150.12E	427	4.6b,4.2b		
NEIC	I	26 13 51 44.9–.25	4.81S	150.04E	414	4.6b,4.2b		
ISCJB	I	26 13 51 44.3–.84	4.85S–.05	150.09E–.06	421–9	4.3b,4.2b		
IDC	I	26 13 51 45.2–.61	4.87S	149.96E	417–6	3.8b,3.8		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=7.4km az=164.0.
IDC Error ellipse: s-maj=12.8km s-min=7.5km az=99.0.
IDC I 27 09 38 29.6–1.4 5.89S 149.45E 0 4.0,3.9
¶12082463

IDC Error ellipse: s-maj=58.3km s-min=18.2km az=112.0.
IDC I 27 12 52 43.7–2.0 5.06S 151.78E 0 3.7,3.4
¶12082476

IDC Error ellipse: s-maj=133.3km s-min=27.5km az=126.0.
IDC I 28 04 43 34.5–3.4 5.37S 151.91E 0 4.4,4.2
¶12082542

IDC Error ellipse: s-maj=133.3km s-min=42.6km az=125.0.

ISC	**I**	**28 21 44 45.7–.84**	**4.4S–.10**	**152.5E–.10**	**103–6**	**4.1b**	**33**	**7-150**
IDC	I	28 21 44 45.6–.90	4.35S	152.52E	101–7	4.2,4.0b		**¶12082612**
ISCJB	I	28 21 44 46.0–3.5	4.4S–.10	152.4E–.10	117–33	4.0b,4.0b		
NEIC	I	28 21 44 46.5–.73	4.38S	152.57E	110–6	4.2b,4.0b		

ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=14.7km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=22.7km az=149.2.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=8.9km az=111.0.
IDC I 29 15 24 27.7–7.6 4.69S 151.27E 93–54 3.3,3.1b
¶12082671

IDC Error ellipse: s-maj=133.1km s-min=50.7km az=124.0.
IDC I 29 16 39 25.8–1.9 7.03S 152.84E 0 3.6,3.5
¶12082678

IDC Error ellipse: s-maj=62.0km s-min=25.6km az=124.0.
IDC I 31 05 48 59.1–2.0 5.17S 151.06E 0 3.9,3.8
¶12082791

IDC Error ellipse: s-maj=76.7km s-min=23.8km az=117.0.
IDC II 02 10 24 56.4–3.5 5.62S 150.59E 0 3.4,3.2
¶15954888

IDC Error ellipse: s-maj=141.1km s-min=42.0km az=119.0.

ISC	**II**	**02 15 04 52.2–.66**	**6.21S–.09**	**150.4E–.10**	**33**	**4.2b,3.9s**	**44**	**5-148**
IDC	II	02 15 04 47.1–1.0	6.13S	150.38E	0	4.5,4.3		**¶12699408**
ISCJB	II	02 15 04 50.1–.60	6.24S–.07	150.42E–.08	33	4.2b,3.9s		
NEIC	II	02 15 04 53.1–1.7	6.26S	150.41E	44–15	4.6b,3.9s		

ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=17.3km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=8.5km az=34.8.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=11.9km az=189.0.
IDC II 02 16 45 25.2–1.1 6.08S 150.41E 0 4.1,3.9
¶15954905

IDC Error ellipse: s-maj=43.8km s-min=18.6km az=118.0.
IDC II 02 21 43 08.3–3.2 5.51S 150.79E 0 3.6,3.5
¶15954914

IDC Error ellipse: s-maj=133.8km s-min=37.0km az=122.0.
IDC II 02 22 08 37.7–3.6 6.17S 150.30E 0 3.8,3.5
¶15954915

IDC Error ellipse: s-maj=138.0km s-min=48.0km az=117.0.
IDC II 03 06 06 09.6–1.8 6.30S 149.94E 38–12 4.0,3.8
¶15954945

IDC Error ellipse: s-maj=51.6km s-min=25.7km az=130.0.
IDC II 03 07 22 47.2–5.7 5.48S 148.49E 74–60 3.9,3.9L
¶15954948

IDC Error ellipse: s-maj=70.3km s-min=30.3km az=130.0.
IDC II 03 13 21 28.8–1.3 6.02S 149.78E 0 4.2,4.1
¶15954957

IDC Error ellipse: s-maj=46.3km s-min=20.3km az=117.0.
IDC II 04 16 29 59.0–.76 4.38S 152.67E 95–6 4.0,3.9
¶15955018

IDC Error ellipse: s-maj=17.3km s-min=12.2km az=100.0.
IDC II 04 18 32 44.8–2.4 6.11S 153.61E 41–6 3.5,3.4
¶15955020

IDC Error ellipse: s-maj=92.1km s-min=24.3km az=103.0.
IDC II 07 15 06 12.9–5.9 5.36S 152.09E 62–48 3.8,3.6
¶15955186

IDC Error ellipse: s-maj=51.6km s-min=28.1km az=113.0.
IDC II 07 17 45 43.4–3.8 4.97S 152.17E 86–35 4.0,3.8
¶15955189

IDC Error ellipse: s-maj=24.3km s-min=19.7km az=141.0.
IDC II 08 02 42 26.2–3.6 6.10S 148.78E 0 3.9,3.7
¶15955207

IDC Error ellipse: s-maj=108.1km s-min=35.1km az=108.0.
IDC II 08 18 32 20.2–3.4 6.14S 149.98E 0 3.4,3.3
¶15955228

IDC Error ellipse: s-maj=129.3km s-min=37.2km az=120.0.
IDC II 10 11 04 53.1–1.6 6.04S 148.05E 99–18 3.8,3.6
¶15955357

IDC Error ellipse: s-maj=39.1km s-min=9.4km az=114.0.

ISC	**II**	**11 04 40 19.7–1.2**	**5.9S–.20**	**151.5E–.20**	**41**	**3.9b**	**23**	**6-149**
ISCJB	II	11 04 40 18.6–1.0	5.9S–.20	151.4E–.20	41	3.8b		**¶12699951**
IDC	II	11 04 40 20.0–5.8	5.97S	151.52E	42–48	4.1,3.9		
NEIC	II	11 04 40 20.6–3.5	5.94S	151.54E	50–26	4.1b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.5km s-min=10.8km az=37.5.
IDC Error ellipse: s-maj=49.0km s-min=26.5km az=108.0.
NEIC Event type se. Error ellipse: s-maj=40.9km s-min=17.9km az=107.0.
IDC II 11 14 27 37.5–2.6 6.65S 149.22E 77–18 3.7,3.5
¶15955421

IDC Error ellipse: s-maj=67.4km s-min=14.9km az=120.0.

ISC	**II**	**11 16 02 07.5–.39**	**5.60S–.05**	**151.80E–.06**	**63–2**	**4.8b**	**252**	**6-157**
IDC	II	11 16 01 59.2–.51	5.49S	151.86E	0	4.8,4.8		**¶11671873**
MOS	II	11 16 02 03.4–1.1	5.40S	151.71E	34	5.2b,4.4s		
ISCJB	II	11 16 02 03.8–1.1	5.53S–.05	151.76E–.05	44–10	4.8b,4.3s		
BJI	II	11 16 02 03.7	5.61S	152.14E	64	5.2b,4.8s		
NEIC	II	11 16 02 07.0–.96	5.53S	151.76E	57–9	4.9b,4.8s		
DJA	II	11 16 02 10	5.78S	151.84E	85	5.0b,4.8s		

ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=11.5km az=107.0.
MOS Error ellipse: s-maj=10.7km s-min=8.2km az=97.4.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=7.7km az=42.9.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.6km az=94.0.

ISC	**II**	**11 21 11 34.4–.56**	**5.46S–.08**	**151.8E–.10**	**45**	**4.4b**	**58**	**6-157**
IDC	II	11 21 11 28.0–.67	5.43S	151.83E	0	4.6,4.5		**¶12700057**
ISCJB	II	11 21 11 32.9–.54	5.48S–.06	151.76E–.09	45	4.4b,4.5		
NEIC	II	11 21 11 34.2–1.9	5.39S	151.80E	42–17	4.3b,4.5		

ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=18.1km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=8.1km az=22.8.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.4km az=58.0.

ISC	**II**	**11 23 43 33.6–.30**	**5.55S–.05**	**151.81E–.05**	**45**	**5.1b,4.7s**	**391**	**6-157**
IDC	II	11 23 43 27.3–.47	5.42S	151.88E	0	5.0,4.9		**¶11671924**
BJI	II	11 23 43 28.0	5.66S	151.91E	26	5.3b,5.2s		
MOS	II	11 23 43 32.0–.92	5.37S	151.55E	33	5.4b,5.2s		
ISCJB	II	11 23 43 32.9–.17	5.52S–.04	151.64E–.03	45	5.1b,4.7s		
NEIC	II	11 23 43 35.0–1.2	5.54S	151.66E	53–10	5.2b,4.7s		
DJA	II	11 23 43 43	5.72S	151.31E	66	5.3b,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=12.2km az=107.0.
MOS Error ellipse: s-maj=12.4km s-min=8.4km az=72.6.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.2km az=155.1.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.2km az=66.0.

ISC	**II**	**11 23 49 04.0–.61**	**5.40S–.09**	**151.8E–.10**	**45**	**4.5b**	**41**	**6-157**
IDC	II	11 23 48 57.5–.90	5.33S	151.85E	0	4.6,4.5b		**¶12700104**
ISCJB	II	11 23 49 02.6–.55	5.35S–.08	151.8E–.10	45	4.5b,4.5b		
NEIC	II	11 23 49 02.8–.45	5.28S	151.89E	35	4.5b,4.5b		

ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=17.7km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=9.0km az=30.4.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.8km az=113.0.
IDC II 12 00 23 28.1–5.4 5.38S 151.69E 55–47 4.3,4.0
¶15955561

IDC Error ellipse: s-maj=72.0km s-min=26.7km az=135.0.
IDC II 12 17 54 00.9–5.1 5.63S 150.08E 100–44 3.9,3.8
¶15955763

IDC Error ellipse: s-maj=41.1km s-min=29.0km az=173.0.
IDC II 13 11 10 20.4–4.4 5.58S 151.74E 75–40 4.1,4.0
¶15955912

IDC Error ellipse: s-maj=24.7km s-min=20.9km az=12.0.

ISC	**II**	**14 20 29 12.5–.28**	**5.46S–.04**	**151.85E–.04**	**60–1**	**5.2b**	**833**	**6-157**
IDC	II	14 20 29 04.3–.36	5.35S	151.82E	0	5.1,5.1		**¶11673104**
BJI	II	14 20 29 09.0	5.61S	152.10E	63	5.3b,5.2b		
MOS	II	14 20 29 09.1–1.0	5.33S	151.71E	36	5.5b,5.0s		
NEIC	II	14 20 29 11.2–.80	5.42S	151.72E	48–7	5.2b,5.0s		
ISCJB	II	14 20 29 11.6–.13	5.46S–.03	151.65E–.03	61	5.2b,5.0s		
DJA	II	14 20 29 14	5.89S	152.31E	93	5.2b,5.0s		

ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=10.2km az=97.0.
MOS Error ellipse: s-maj=8.2km s-min=6.2km az=91.1.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.6km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.6km az=166.7.

ISC	**II**	**14 21 20 27.4–.52**	**4.36S–.08**	**152.84E–.10**	**55**	**4.4b**	**65**	**8-158**
IDC	II	14 21 20 19.3–.69	4.39S	152.99E	0	4.3,4.2		**¶12700706**
ISCJB	II	14 21 20 25.8–.51	4.34S–.06	152.82E–.09	55	4.6b,3.8s		
NEIC	II	14 21 20 29.5–1.8	4.39S	152.82E	76–15	4.9b,3.8s		

ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=15.6km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=7.5km az=23.9.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.9km az=84.0.
IDC II 15 23 30 22.9–2.0 5.62S 151.14E 0 3.8,3.5b
¶15956188

IDC Error ellipse: s-maj=129.2km s-min=29.2km az=125.0.
IDC II 16 04 00 21.6–2.8 5.00S 152.93E 0 3.7,3.6
¶15956239

IDC Error ellipse: s-maj=99.9km s-min=26.9km az=106.0.
IDC II 17 01 09 47.9–6.3 5.66S 149.73E 88–46 3.5s,3.5
¶15956382

IDC Error ellipse: s-maj=93.6km s-min=36.6km az=109.0.
IDC II 17 11 07 46.5–2.0 5.16S 151.68E 0 3.6,3.4
¶15956402

IDC Error ellipse: s-maj=78.1km s-min=25.6km az=116.0.
IDC II 17 18 04 19.0–7.6 6.16S 148.74E 51–77 3.4,3.2
¶15956434

IDC Error ellipse: s-maj=143.4km s-min=39.7km az=127.0.
IDC II 19 17 12 01.1–2.8 7.13S 153.54E 0 3.7,3.5
¶15956724

IDC Error ellipse: s-maj=85.5km s-min=42.5km az=146.0.
IDC II 19 22 01 41.1–3.0 6.12S 148.17E 0 3.6,3.4
¶15956736

IDC Error ellipse: s-maj=78.3km s-min=45.4km az=101.0.
IDC II 19 22 17 37.7–14 5.08S 151.75E 100–128 3.2,3.1s
¶15956739

IDC Error ellipse: s-maj=71.5km s-min=38.3km az=111.0.
IDC II 20 04 42 28.3–4.0 4.05S 151.46E 0 4.0,3.7
¶15956805

IDC Error ellipse: s-maj=127.2km s-min=45.9km az=111.0.
IDC II 23 07 35 00.7–4.0 5.10S 148.98E 0 3.9,3.7
¶15957043

IDC Error ellipse: s-maj=112.5km s-min=23.9km az=102.0.
IDC II 23 13 31 40.9–2.8 6.09S 150.41E 0 4.0,3.9
¶15957061

IDC Error ellipse: s-maj=87.8km s-min=25.0km az=115.0.
IDC II 23 19 50 29.8–2.0 6.99S 150.76E 0 4.0,3.7b
¶15957081

IDC Error ellipse: s-maj=74.0km s-min=24.4km az=123.0.
IDC II 23 22 37 25.2–5.8 7.04S 150.50E 58–47 3.9,3.6
¶15957089

IDC Error ellipse: s-maj=59.0km s-min=30.9km az=124.0.

ISC	**II**	**24 09 35 00.6–.90**	**5.4S–.10**	**152.5E–.20**	**40**	**4.4b,3.5s**	**43**	**7-150**
IDC	II	24 09 34 54.6–.97	5.41S	152.50E	0	4.5,4.4		**¶12701729**
ISCJB	II	24 09 34 59.1–.65	5.41S–.10	152.4E–.10	40	4.4b,3.5s		
NEIC	II	24 09 34 59.9–.46	5.43S	152.45E	35	4.7b,3.5s		

ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=15.2km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=7.6km az=37.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=7.0km az=122.0.

ISC	**II**	**24 10 26 03.7–.60**	**5.5S–.10**	**151.8E–.10**	**45**	**4.2b,3.9s**	**41**	**6-151**
ISCJB	II	24 10 26 02.1–.53	5.49S–.09	151.77E–.10	45	4.2b,4.0s		**¶12701733**
NEIC	II	24 10 26 02.5–.39	5.45S	151.83E	35	4.4b,4.0s		
IDC	II	24 10 26 04.0–3.8	5.49S	151.80E	48–36	4.2,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=8.0km az=40.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.5km az=126.0.
IDC Error ellipse: s-maj=21.8km s-min=20.7km az=38.0.
IDC II 26 04 41 05.5–1.4 5.91S 152.22E 45–6 3.8s,3.8
¶15957337

IDC Error ellipse: s-maj=46.8km s-min=13.5km az=126.0.
IDC II 26 11 23 58.8–3.7 6.04S 150.59E 0 3.6,3.3
¶15957352

IDC Error ellipse: s-maj=150.3km s-min=47.5km az=118.0.
IDC II 27 05 07 16.9–2.7 6.32S 152.01E 0 3.6,3.3
¶15957435

IDC Error ellipse: s-maj=197.5km s-min=31.2km az=128.0.
IDC II 27 09 55 59.9–1.3 5.02S 151.37E 175–10 3.7,3.6
¶15957441

IDC Error ellipse: s-maj=29.3km s-min=12.6km az=116.0.
IDC II 28 01 32 47.6–1.4 5.08S 151.45E 130–10 3.7,3.6
¶15957501

IDC Error ellipse: s-maj=26.6km s-min=19.1km az=116.0.
IDC III 02 13 52 32.3–5.6 7.95S 151.25E 58–47 3.7,3.6
¶12702265

IDC Error ellipse: s-maj=40.2km s-min=23.1km az=107.0.

ISC	**III**	**03 00 45 05.5–.57**	**4.17S–.06**	**152.16E–.09**	**200**	**4.6b**	**91**	**7-152**
IDC	III	03 00 45 04.5–.70	4.20S	152.15E	182–6	4.1,4.0		**¶12702312**
NEIC	III	03 00 45 05.0–1.5	4.15S	152.19E	186–13	4.7b,4.0		
ISCJB	III	03 00 45 05.1–.43	4.21S–.05	152.16E–.07	200	4.5b,4.0		
DJA	III	03 00 45 09.4–.60	4S–5.0	152E–5.0	219–8	5.6,5.5b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 03 01 42 01.5–1.2 4.06S 151.89E 0 3.9,3.8
¶12702316

IDC Error ellipse: s-maj=44.2km s-min=22.7km az=110.0.
IDC III 03 05 50 44.5–2.4 5.70S 151.70E 0 3.8,3.6
¶12702329

IDC Error ellipse: s-maj=150.4km s-min=28.3km az=131.0.
IDC III 03 15 18 38.4–1.9 5.64S 150.08E 0 3.8,3.5
¶12702358

IDC Error ellipse: s-maj=116.0km s-min=24.8km az=124.0.
IDC III 04 10 34 18.5–9.1 5.72S 150.75E 99–62 3.1,2.9
¶12702414

IDC Error ellipse: s-maj=154.5km s-min=59.0km az=123.0.
IDC III 05 07 52 07.1–5.5 5.21S 151.54E 71–46 4.1,3.9
¶12702483

IDC Error ellipse: s-maj=70.0km s-min=28.7km az=124.0.
ISC III 05 09 32 51.6–1.4 5.4S–.20 151.5E–.30 57 4.3b,3.2s 21 6-149
IDC III 05 09 32 52.7–5.5 5.53S 151.57E 75–44 4.2,4.2L **¶15153062**
AUST III 05 09 32 59.2 5.22S 150.59E 60 4.2,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=55.9km s-min=24.5km az=109.0.
IDC III 07 10 45 55.8–1.3 4.50S 152.09E 114–11 3.7,3.6
¶12702634

IDC Error ellipse: s-maj=23.3km s-min=16.6km az=128.0.
IDC III 08 05 22 50.4–5.9 5.08S 151.76E 91–44 4.0,3.8
¶12702685

IDC Error ellipse: s-maj=55.2km s-min=26.8km az=102.0.
IDC III 08 14 08 39.1–5.3 5.31S 151.52E 95–42 3.7,3.5b
¶12702725

IDC Error ellipse: s-maj=73.9km s-min=29.0km az=122.0.
ISC III 09 01 09 02.3–.70 4.73S–.09 152.0E–.10 70 4.4b 64 7-150
AUST III 09 01 08 47.7 3.73S 153.06E 60 4.4b **¶15153116**
ISCJB III 09 01 09 00.2–.83 4.77S–.08 152.1E–.10 70 4.3b
IDC III 09 01 09 08.2–3.4 4.86S 151.89E 122–30 4.1,4.0
NEIC III 09 01 09 10.2–1.6 4.91S 151.88E 143–14 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=7.8km az=24.9.
IDC Error ellipse: s-maj=22.3km s-min=18.0km az=85.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=10.2km az=77.0.
IDC III 09 08 28 13.8–7.7 6.80S 153.80E 68–59 3.4,3.3
¶12702784

IDC Error ellipse: s-maj=89.2km s-min=46.5km az=138.0.
IDC III 09 11 31 20.2–1.9 5.64S 148.61E 0 3.8,3.6b
¶12702795

IDC Error ellipse: s-maj=101.0km s-min=26.5km az=127.0.
IDC III 09 13 24 57.9–4.2 4.29S 150.04E 0 3.9,3.7
¶12702800

IDC Error ellipse: s-maj=162.2km s-min=47.8km az=117.0.
IDC III 10 05 35 05.4–1.8 6.22S 148.02E 0 3.7,3.6b
¶12702849

IDC Error ellipse: s-maj=62.3km s-min=24.9km az=117.0.
IDC III 10 15 03 12.2–6.2 6.06S 151.87E 86–49 3.6,3.4b
¶12702881

IDC Error ellipse: s-maj=100.0km s-min=33.5km az=130.0.
ISC III 10 16 18 33.1–.69 4.80S–.10 152.8E–.10 100 4.0b 49 7-150
IDC III 10 16 18 33.5–2.7 4.80S 152.74E 103–22 4.0,3.9 **¶15153143**
NEIC III 10 16 18 35.9–1.8 4.78S 152.66E 124–15 4.7b,3.9
AUST III 10 16 19 17.4 6.67S 150.14E 300 4.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=11.8km az=126.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=9.7km az=113.0.
IDC III 11 17 22 32.7–1.9 4.98S 152.29E 0 3.8,3.6
¶12702993

IDC Error ellipse: s-maj=75.7km s-min=22.5km az=124.0.
IDC III 12 01 38 51.2–6.6 5.73S 148.46E 115–56 3.4b,3.4
¶12703038

IDC Error ellipse: s-maj=92.2km s-min=49.9km az=122.0.
IDC III 12 14 54 28.6–8.1 4.95S 152.03E 121–55 3.3,3.2b
¶12703081

IDC Error ellipse: s-maj=110.0km s-min=53.9km az=126.0.
IDC III 13 10 43 55.7–3.6 4.85S 152.64E 0 3.7,3.5b
¶12703158

IDC Error ellipse: s-maj=130.1km s-min=51.0km az=123.0.
IDC III 14 09 50 19.3–1.1 6.04S 153.70E 38–6 3.7,3.6b
¶12703243

IDC Error ellipse: s-maj=37.1km s-min=16.1km az=117.0.
IDC III 14 15 06 11.4–8.8 6.07S 151.23E 90–62 2.8,2.7
¶12703272

IDC Error ellipse: s-maj=117.4km s-min=57.1km az=126.0.
ISC III 14 15 16 20.1–.67 5.06S–.10 151.96E–.10 70 4.1b 50 6-151
AUST III 14 15 16 10.2 4.21S 153.07E 100 4.1b **¶15153190**
IDC III 14 15 16 18.7–.73 5.15S 152.07E 47–6 4.2,4.0
ISCJB III 14 15 16 20.0–.48 5.22S–.07 151.99E–.08 70 4.0b,4.0
NEIC III 14 15 16 19.2–.44 5.23S 152.05E 50 4.7b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=12.6km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.7km az=40.8.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.6km az=122.0.
IDC III 14 15 24 21.8–5.2 5.04S 152.43E 74–45 3.7,3.5
¶12703275

IDC Error ellipse: s-maj=46.9km s-min=26.9km az=127.0.
IDC III 14 19 33 02.1–2.5 5.28S 150.59E 203–17 3.6,3.5b
¶12703289

IDC Error ellipse: s-maj=30.0km s-min=17.7km az=153.0.
IDC III 14 19 41 05.5–3.6 5.05S 151.10E 0 3.5,3.4
¶12703290

IDC Error ellipse: s-maj=113.9km s-min=32.6km az=111.0.
IDC III 15 03 40 37.9–5.3 6.40S 150.24E 47–45 3.6,3.4
¶12703320

IDC Error ellipse: s-maj=44.5km s-min=31.4km az=102.0.
IDC III 15 07 49 58.6–7.9 5.93S 149.48E 64–63 3.2,3.0
¶12703333

IDC Error ellipse: s-maj=126.6km s-min=51.8km az=123.0.
IDC III 15 11 13 40.0–8.3 5.28S 151.39E 90–58 4.0,4.0s
¶12703345

IDC Error ellipse: s-maj=98.0km s-min=54.0km az=123.0.
IDC III 16 17 18 48.6–2.2 4.92S 152.14E 0 3.5,3.2
¶12703435

IDC Error ellipse: s-maj=154.3km s-min=30.2km az=127.0.
IDC III 18 23 28 43.9–5.1 5.26S 151.48E 60–44 3.9,3.7b
¶12703621

IDC Error ellipse: s-maj=37.9km s-min=23.6km az=112.0.
IDC III 19 01 00 42.0–2.2 5.66S 152.88E 0 4.2s,4.2
¶12703629

IDC Error ellipse: s-maj=130.4km s-min=27.6km az=130.0.
IDC III 19 12 55 53.5–7.8 6.39S 150.39E 76–56 3.3,3.1b
¶12703679

IDC Error ellipse: s-maj=95.0km s-min=51.3km az=128.0.
IDC III 21 06 54 38.1–2.1 5.43S 152.80E 0 4.0s,4.0
¶12635158

IDC Error ellipse: s-maj=76.5km s-min=22.5km az=121.0.
IDC III 21 22 26 47.1–5.2 6.36S 149.49E 62–42 3.6,3.5
¶12635231

IDC Error ellipse: s-maj=44.7km s-min=24.5km az=94.0.
ISC III 22 19 34 21.3–.35 5.41S–.04 151.80E–.05 52–2 5.0b,4.8s 579 6-157
ISCJB III 22 19 34 16.5–1.2 5.38S–.03 151.75E–.03 28–8 5.0b,4.8s **¶15153376**
IDC III 22 19 34 18.6–2.0 5.36S 151.71E 29–13 4.8,4.8
BJI III 22 19 34 18.1 5.58S 151.95E 57 5.3b,5.1s
MOS III 22 19 34 18.4–1.2 5.22S 151.57E 33 5.4b,4.9s
DJA III 22 19 34 18.1–.50 5S–4.0 152E–7.0 20 5.7b,5.2
NEIC III 22 19 34 20.4–.18 5.32S 151.74E 48 5.1b,5.2
GCMT III 22 19 34 24.8–.10 5.68S 151.78E 38–0 5.4W,5.2
AUST III 22 19 34 27.6–.98 5.59S 151.52E 98–0 5.4W,5.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=148.3.
IDC Error ellipse: s-maj=14.3km s-min=9.1km az=118.0.
MOS Error ellipse: s-maj=10.2km s-min=6.7km az=95.6.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=108.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s82,c152; s88,c161; Moment tensor: Scale 10^{17}Nm; M_{rr}1.06±.03 $M_{\theta\theta}$-1.18±.02; $M_{\phi\phi}$0.13±.02; $M_{r\theta}$0.51±.02; $M_{\theta\phi}$-0.62±.02; $M_{\phi r}$-0.03±.02; Best double couple: NP1:ϕ_s232.00000°,δ37.00000°,λ66.00000°. NP2:ϕ_s82.00000°,δ57.00000°,λ107.00000°. Principal axes: T 1.2000,Plg72.0000° ,Azm34.0000°; N 0.3200,Plg14.0000°,Azm252.0000°; P -1.5100,Plg10.0000°,Azm159.0000° $M_0$1.40000×10^{17}
AUST Error ellipse: s-maj=1.4km s-min=0.9km az=241.0.
IDC III 22 19 44 38.1–5.2 5.31S 151.17E 104–43 3.8,3.6b
¶12635318

IDC Error ellipse: s-maj=95.3km s-min=30.8km az=130.0.
IDC III 22 20 36 20.4–3.7 5.41S 151.71E 0 3.4,3.2
¶12635325

IDC Error ellipse: s-maj=154.2km s-min=48.8km az=119.0.
IDC III 22 22 55 16.4–3.5 5.93S 151.34E 0 3.4,3.1
¶12635335

IDC Error ellipse: s-maj=146.5km s-min=48.2km az=119.0.
IDC III 23 10 28 32.8–3.5 4.91S 151.28E 0 3.8,3.5b
¶12635379

IDC Error ellipse: s-maj=140.0km s-min=47.0km az=116.0.
ISC III 24 12 24 14.5–.70 5.5S–.10 151.4E–.10 57 4.2b 53 6-149
AUST III 24 12 24 07.7 5.66S 152.12E 35 4.2b **¶15153408**
ISCJB III 24 12 24 13.0–.65 5.46S–.08 151.3E–.10 57 4.2b
IDC III 24 12 24 16.4–3.9 5.55S 151.33E 75–34 4.0,4.0
NEIC III 24 12 24 17.2–1.9 5.52S 151.31E 82–16 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=6.9km az=29.0.
IDC Error ellipse: s-maj=29.2km s-min=16.4km az=106.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=9.0km az=104.0.
IDC III 24 14 18 16.9–3.6 5.67S 150.93E 0 3.8s,3.7
¶12635474

IDC Error ellipse: s-maj=141.2km s-min=48.3km az=117.0.
ISC III 24 23 28 28.4–.15 5.22S–.03 151.87E–.03 49 5.6b,5.4s 1633 6-169
BJI III 24 23 28 22.7 5.32S 152.57E 42 5.6b,5.5s **¶15153412**
MOS III 24 23 28 26.3–.83 5.07S 151.82E 35 5.8b,5.3s
ISCJB III 24 23 28 27.1–.10 5.18S–.02 151.81E–.02 44 5.6b,5.3s
NEIC III 24 23 28 28.1–.08 5.14S 151.82E 43 5.8W,5.8W
IDC III 24 23 28 30.0–1.1 5.18S 151.80E 60–9 5.3,5.3
AUST III 24 23 28 29.2 5.18S 152.10E 60 5.3,5.3
DJA III 24 23 28 32.4–.50 5S–3.0 152E–3.0 82–5 6.4,6.1b
GCMT III 24 23 28 32.7–.10 5.45S 151.99E 46–0 5.8W,6.1b
ISC Event type fe.
MOS Error ellipse: s-maj=6.6km s-min=5.3km az=91.1.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=163.9.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.8km az=141.0. Felt at Kokopo. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}6.58 $M_{\theta\theta}$-6.78 $M_{\phi\phi}$0.19 $M_{r\theta}$2.11 $M_{\theta\phi}$-1.44 $M_{\phi r}$0.63 Best double couple: NP1:ϕ_s77.00000° ,δ54.00000°,λ88.00000°. NP2:ϕ_s261.00000°,δ36.00000°,λ93.00000°. Principal axes: T 6.9300,Plg80.0000°,Azm336.0000°; N 0.4700,Plg1.0000°,Azm78.0000° ; P -7.4100,Plg8.0000°,Azm168.0000° $M_0$7.20000×10^{17}
IDC Error ellipse: s-maj=8.7km s-min=7.2km az=85.0.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=100, comp=213, per= 50. Moment Tensor Solution. s106,c215; s64,c82; Moment tensor: Scale 10^{17}Nm; M_{rr}5.52±.06 $M_{\theta\theta}$-5.90±.04; $M_{\phi\phi}$0.39±.05; $M_{r\theta}$1.44±.05; $M_{\theta\phi}$-1.83±.04; $M_{\phi r}$-0.72±.05; Best double couple: NP1:ϕ_s243.00000°,δ41.00000°,λ72.00000°. NP2:ϕ_s86.00000°,δ52.00000°,λ105.00000°. Principal axes: T 5.8700,Plg77.0000°,Azm50.0000°; N 0.6600,Plg12.0000°,Azm257.0000° ; P -6.5200,Plg6.0000°,Azm166.0000° $M_0$6.20000×10^{17}
IDC III 25 07 01 37.8–4.7 5.38S 151.62E 82–41 4.4s,4.4
¶12635531

IDC Error ellipse: s-maj=36.8km s-min=22.7km az=113.0.
ISC III 25 07 20 32.1–.60 5.32S–.09 151.8E–.10 45 4.2b,3.3s 56 6-151
ISCJB III 25 07 20 30.8–.52 5.30S–.08 151.7E–.10 45 4.0b,3.3s **¶15153420**
NEIC III 25 07 20 34.8–1.8 5.35S 151.61E 71–15 4.3b,3.3s
IDC III 25 07 20 35.8–2.7 5.43S 151.68E 78–23 4.0,3.8
AUST III 25 07 20 56.5 7.14S 150.67E 100 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=6.8km az=31.6.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=9.3km az=105.0.
IDC Error ellipse: s-maj=27.9km s-min=12.0km az=128.0.
IDC III 25 18 55 11.9–3.0 4.01S 151.55E 0 3.8,3.5b
¶12635582

IDC Error ellipse: s-maj=110.9km s-min=42.1km az=122.0.
IDC III 26 01 26 46.2–2.0 6.60S 153.88E 0 3.8,3.7
¶12635602

IDC Error ellipse: s-maj=68.4km s-min=21.9km az=124.0.
IDC III 27 14 56 25.6–1.9 4.81S 152.35E 0 3.7,3.5s
¶12635704

IDC Error ellipse: s-maj=111.5km s-min=25.8km az=129.0.
ISC III 28 12 31 01.8–.71 6.12S–.07 148.0E–.10 60 3.9b 26 3-153
AUST III 28 12 30 47.9–27 5.36S 148.12E 0–1 3.9b **¶15153454**
ISCJB III 28 12 31 01.2–.64 6.19S–.05 147.9E–.10 60 3.9b,3.2s
IDC III 28 12 31 03.7–2.2 6.19S 147.82E 65–21 3.8,3.7
ISC Event type ke.
AUST Error ellipse: s-maj=5.9km s-min=1.6km az=38.0.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=7.2km az=3.0.
IDC Error ellipse: s-maj=32.2km s-min=11.6km az=108.0.
IDC III 29 19 56 32.5–2.9 5.78S 152.44E 0 3.5,3.3
¶12635884

IDC Error ellipse: s-maj=133.2km s-min=40.3km az=133.0.
IDC III 31 09 25 49.8–3.5 6.22S 150.41E 0 3.7,3.4
¶12636016

IDC Error ellipse: s-maj=131.9km s-min=46.3km az=118.0.
IDC IV 01 07 08 41.1–5.2 5.24S 152.38E 91–42 3.5,3.4
¶16152212

IDC Error ellipse: s-maj=53.9km s-min=25.0km az=119.0.
IDC IV 01 19 13 36.7–3.4 4.21S 152.27E 0 3.6,3.5
¶16152237

IDC Error ellipse: s-maj=112.6km s-min=29.4km az=111.0.
IDC IV 02 10 59 56.1–2.7 7.17S 152.62E 33–9 3.7,3.6
¶16152267

IDC Error ellipse: s-maj=72.3km s-min=29.7km az=120.0.
IDC IV 04 01 47 59.0–2.7 5.51S 149.05E 179–27 3.5,3.3
¶16152337

IDC Error ellipse: s-maj=88.4km s-min=21.5km az=123.0.
ISC IV 06 21 30 43.4–1.7 4.9S–.20 151.6E–.30 129 3.5b 11 6-149
ISCJB IV 06 21 30 41.2–1.6 4.8S–.20 151.6E–.30 129 3.5b **¶16152478**
IDC IV 06 21 30 44.9–4.3 4.84S 151.50E 151–35 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=52.1km s-min=11.0km az=33.5.
IDC Error ellipse: s-maj=55.0km s-min=23.4km az=115.0.
IDC IV 07 03 15 40.4–1.2 5.74S 150.95E 0 4.0,3.9
¶16152487

IDC Error ellipse: s-maj=44.3km s-min=18.0km az=113.0.
ISC IV 07 06 24 28.5–1.0 6.5S–.20 149.9E–.20 43 3.9b 21 4-148
IDC IV 07 06 24 22.2–1.2 6.52S 149.98E 0 4.2,4.0 **¶12934740**
ISCJB IV 07 06 24 27.0–.95 6.5S–.20 149.8E–.20 43 3.8b,4.0
NEIC IV 07 06 24 27.6–.79 6.53S 149.94E 35 4.1b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=44.9km s-min=20.3km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=33.7km s-min=11.1km az=35.6.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=12.1km az=120.0.
IDC IV 07 11 44 33.6–1.6 6.12S 151.36E 0 4.0,3.8b

¶16152506
IDC Error ellipse: s-maj=69.3km s-min=21.7km az=126.0.
ISC IV 07 12 17 26.0–.51 4.69S–.07 152.57E–.09 58 4.3b,3.5s 75 7-151
AUST IV 07 12 17 03.8 3.24S 153.54E 0 4.3b,3.5s ¶15153603
ISCJB IV 07 12 17 24.6–.36 4.66S–.05 152.52E–.07 58 4.2b,3.5s
IDC IV 07 12 17 27.3–2.6 4.72S 152.57E 70–23 4.1,4.0
NEIC IV 07 12 17 30.5–1.8 4.76S 152.52E 101–16 4.2b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.0km az=30.7.
IDC Error ellipse: s-maj=18.7km s-min=12.8km az=80.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.3km az=91.0.
IDC IV 08 08 25 33.8–3.5 4.90S 151.72E 0 3.9s,3.9
¶16152541
IDC Error ellipse: s-maj=143.6km s-min=46.7km az=119.0.
IDC IV 08 22 29 41.7–8.8 5.64S 150.97E 82–62 3.2,3.0
¶16152566
IDC Error ellipse: s-maj=125.6km s-min=56.8km az=124.0.
ISC IV 09 16 14 23.2–.68 6.7S–.10 149.6E–.20 49 4.0b,3.1s 34 4-148
IDC IV 09 16 14 16.4–.84 6.65S 149.72E 0 4.3,4.1 ¶12934877
NEIC IV 09 16 14 22.0–2.9 6.80S 149.73E 36–24 4.4b,4.1
ISCJB IV 09 16 14 21.8–.62 6.7S–.10 149.6E–.10 49 4.1b,3.5s
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
IDC IV 11 03 35 08.6–3.0 4.18S 151.91E 0 3.9,3.7
¶16152648
IDC Error ellipse: s-maj=113.8km s-min=41.9km az=123.0.
IDC IV 13 03 28 46.2–3.9 5.14S 151.47E 0 3.4,3.2
¶16152737
IDC Error ellipse: s-maj=173.1km s-min=46.7km az=118.0.
IDC IV 13 05 40 55.4–3.2 5.10S 151.88E 0 3.9,3.8
¶16152743
IDC Error ellipse: s-maj=119.0km s-min=42.3km az=124.0.
IDC IV 13 10 43 40.5–2.9 4.13S 152.57E 0 3.8,3.7
¶16152753
IDC Error ellipse: s-maj=118.1km s-min=36.0km az=125.0.
IDC IV 13 13 15 04.7–2.5 6.60S 149.58E 0 3.9,3.8
¶16152757
IDC Error ellipse: s-maj=63.0km s-min=35.7km az=115.0.
IDC IV 13 14 42 18.9–3.1 6.70S 149.79E 0 3.8,3.6
¶16152763
IDC Error ellipse: s-maj=103.6km s-min=36.2km az=122.0.
IDC IV 13 14 53 20.3–2.1 4.31S 151.04E 0 3.6s,3.6
¶16152765
IDC Error ellipse: s-maj=79.0km s-min=28.0km az=116.0.
IDC IV 14 10 49 44.5–1.3 6.59S 151.00E 0 3.8,3.6
¶16152786
IDC Error ellipse: s-maj=68.9km s-min=24.0km az=124.0.
IDC IV 14 16 00 05.5–3.1 6.28S 148.44E 71–27 3.6,3.5
¶16152788
IDC Error ellipse: s-maj=88.3km s-min=17.1km az=119.0.
IDC IV 15 01 42 22.1–3.0 4.63S 151.84E 164–27 3.4,3.4
¶16152799
IDC Error ellipse: s-maj=21.9km s-min=17.1km az=90.0.
IDC IV 16 03 37 55.9–2.3 5.19S 152.86E 0 4.0,3.9
¶16152832
IDC Error ellipse: s-maj=140.7km s-min=25.2km az=132.0.
IDC IV 16 15 04 20.0–3.3 5.61S 151.05E 0 3.5,3.4
¶16152846
IDC Error ellipse: s-maj=111.7km s-min=44.0km az=122.0.
IDC IV 16 20 41 37.9–1.1 6.29S 148.12E 0 5.3L,4.2
¶16152858
IDC Error ellipse: s-maj=45.5km s-min=16.5km az=106.0.
IDC IV 18 11 04 53.7–1.5 6.28S 153.26E 0 3.8,3.6
¶16152982
IDC Error ellipse: s-maj=60.1km s-min=22.8km az=119.0.
IDC IV 19 06 21 31.2–3.1 5.84S 149.46E 127–29 3.6,3.5
¶16153026
IDC Error ellipse: s-maj=55.3km s-min=21.3km az=118.0.
IDC IV 19 21 26 33.4–2.1 6.26S 151.40E 0 3.6,3.5
¶16153092
IDC Error ellipse: s-maj=117.7km s-min=27.2km az=130.0.
IDC IV 21 15 39 47.1–6.6 5.60S 148.43E 117–59 3.1,3.0
¶16153220
IDC Error ellipse: s-maj=135.2km s-min=51.1km az=116.0.
IDC IV 24 10 13 30.9–8.4 6.65S 153.81E 110–59 3.4,3.3
¶16153331
IDC Error ellipse: s-maj=85.1km s-min=33.5km az=95.0.
ISC IV 24 10 54 47.5–1.3 5.2S–.20 151.6E–.30 129 3.8b 12 6-149
IDC IV 24 10 54 45.8–4.5 5.09S 151.61E 114–40 3.8,3.6 ¶16153333
ISC Event type ke.
IDC Error ellipse: s-maj=52.9km s-min=24.4km az=119.0.
IDC IV 25 12 45 30.9–4.7 4.18S 151.45E 75–45 3.7,3.5
¶16153377
IDC Error ellipse: s-maj=98.3km s-min=22.1km az=133.0.
IDC IV 26 12 24 42.2–8.0 4.56S 152.59E 131–54 3.6,3.5b
¶16154518
IDC Error ellipse: s-maj=100.8km s-min=52.1km az=122.0.
IDC IV 26 14 46 01.8–8.4 5.17S 151.35E 85–58 3.3,3.1
¶16154522
IDC Error ellipse: s-maj=108.0km s-min=54.8km az=125.0.
IDC IV 26 14 47 14.2–7.7 5.45S 151.53E 107–53 3.3,3.2
¶16154523
IDC Error ellipse: s-maj=99.6km s-min=52.3km az=128.0.
IDC IV 30 12 53 44.4–3.6 4.56S 151.48E 0 3.9,3.7
¶16154667
IDC Error ellipse: s-maj=117.6km s-min=50.9km az=119.0.
IDC V 01 20 19 37.9–2.2 6.29S 151.72E 0 3.8,3.5
¶16154716
IDC Error ellipse: s-maj=148.0km s-min=28.5km az=127.0.
IDC V 02 00 56 32.9–4.3 4.77S 151.93E 0 3.8,3.6
¶16154822
IDC Error ellipse: s-maj=198.9km s-min=49.6km az=119.0.
ISC V 02 11 33 16.4–2.2 6.1S–.50 152.3E–.40 38 4.0b 9 6-150
IDC V 02 11 33 11.0–3.1 5.44S 151.82E 0 4.4,4.2 ¶16154833
AUST V 02 11 34 46.0 9.63S 147.76E 600 4.4,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=107.4km s-min=41.9km az=124.0.
ISC V 03 17 57 39.6–1.0 5.6S–.10 152.6E–.20 40 4.0b 20 7-150
IDC V 03 17 57 34.0–1.2 5.51S 152.47E 0 4.2,4.1 ¶16154872
ISCJB V 03 17 57 37.5–.69 5.70S–.08 152.63E–.08 40 4.0b,4.1
AUST V 03 17 58 21.5 6.66S 150.65E 300 4.0b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=16.1km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=8.8km az=137.1.
ISC V 03 18 02 22.5–.91 5.8S–.10 152.9E–.10 33 3.8b 17 7-151
AUST V 03 18 02 14.1–24 5.66S 153.56E 0–1 3.8b ¶15154078
IDC V 03 18 02 19.9–1.6 5.36S 152.33E 0 4.0,3.9b
ISC Event type ke.
AUST Error ellipse: s-maj=4.0km s-min=2.0km az=25.0.
IDC Error ellipse: s-maj=53.4km s-min=19.3km az=124.0.
ISC V 04 20 40 18.4–.86 6.2S–.20 151.0E–.20 43 4.3b 26 5-149
IDC V 04 20 40 12.3–.87 6.15S 151.00E 0 4.4,4.2 ¶13678352
NEIC V 04 20 40 17.5–6.7 6.18S 150.92E 32–45 4.5b,4.2
ISCJB V 04 20 40 17.0–.79 6.2S–.20 150.9E–.20 43 4.1b,2.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 04 23 54 27.4–6.2 5.51S 152.60E 59–53 3.8,3.6
¶16154909
IDC Error ellipse: s-maj=47.6km s-min=28.0km az=111.0.

ISC V 05 10 29 00.1–.38 4.71S–.04 151.79E–.06 165–2 4.6b 297 7-157
BJI V 05 10 28 53.5 4.66S 152.71E 155 4.9b,4.7b ¶15154129
ISCJB V 05 10 28 57.8–1.0 4.64S–.04 151.75E–.04 154–9 4.5b,4.7b
NEIC V 05 10 28 59.6–.91 4.66S 151.76E 160–8 4.6b,4.7b
IDC V 05 10 28 59.6–.88 4.68S 151.75E 160–7 4.3,4.3
AUST V 05 10 29 01.6 4.71S 152.08E 200 4.3,4.3
DJA V 05 10 29 03.6–1.6 5S–8.0 151E–16 178–13 5.2,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 05 10 55 20.2–3.1 5.48S 152.62E 0 3.7,3.6
¶16154933
IDC Error ellipse: s-maj=103.7km s-min=26.6km az=109.0.
IDC V 05 11 09 10.1–3.3 5.41S 152.65E 0 3.7,3.6
¶16154934
IDC Error ellipse: s-maj=108.1km s-min=24.0km az=112.0.
ISC V 05 15 50 14.1–.34 4.31S–.05 152.81E–.06 55 4.3b,3.5s 114 8-151
IDC V 05 15 50 11.0–2.6 4.27S 152.75E 29–17 4.3,4.3 ¶15154122
ISCJB V 05 15 50 12.2–.30 4.32S–.04 152.81E–.05 55 4.4b,3.6s
AUST V 05 15 50 13.0–.04 4.25S 153.00E 66–0 4.4b,3.6s
BJI V 05 15 50 15.6 4.30S 152.60E 78 5.1s,5.0b
NEIC V 05 15 50 16.3–1.3 4.30S 152.67E 77–12 4.5b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=11.9km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.0km az=24.4.
AUST Error ellipse: s-maj=1.9km s-min=1.1km az=289.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.0km az=117.0.
IDC V 05 18 05 00.2–2.1 5.02S 152.92E 0 3.5,3.2
¶16154938
IDC Error ellipse: s-maj=154.4km s-min=27.8km az=128.0.
IDC V 05 20 32 32.1–8.0 5.39S 150.45E 104–56 3.2,3.1
¶16154941
IDC Error ellipse: s-maj=134.9km s-min=54.1km az=120.0.
ISC V 05 22 26 08.2–.24 4.82S–.03 151.84E–.04 115–1 5.2b 659 7-157
BJI V 05 22 26 01.9 5.02S 152.52E 108 5.1b,5.0b ¶15154123
ISCJB V 05 22 26 07.9–.81 4.83S–.03 151.79E–.03 124–7 5.2b,5.0b
MOS V 05 22 26 07.1–.96 4.73S 151.76E 114 5.2b,5.0b
AUST V 05 22 26 07.6–.76 4.82S 151.92E 115–0 5.2b,5.0b
IDC V 05 22 26 07.9–.51 4.81S 151.77E 111–3 4.9,4.9
NEIC V 05 22 26 07.3–.14 4.79S 151.77E 107 5.4W,5.2b
GCMT V 05 22 26 10.6–.10 4.93S 151.72E 108–1 5.4W,5.2b
DJA V 05 22 26 13.3–.70 5S–4.0 152E–5.0 156–6 6.1,5.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}0.43 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-0.24 $M_{r\theta}$-1.10 $M_{\theta\phi}$0.20 $M_{\phi r}$0.70 Best double couple: NP1:ϕ_s303.00000° ,δ81.00000°,λ86.00000°. NP2:ϕ_s150.00000°,δ10.00000°,λ116.00000°. Principal axes: T 1.3900,Plg53.0000°,Azm208.0000°; N -0.0500,Plg4.0000°,Azm304.0000° ; P -1.3500,Plg36.0000°,Azm37.0000° $M_0$1.40000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=184, per= 50. Moment Tensor Solution. s91,c152; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}0.23±.03 $M_{\theta\theta}$-0.46±.03; $M_{\phi\phi}$0.23±.03; $M_{r\theta}$-1.14±.02; $M_{\theta\phi}$-0.04±.03; $M_{\phi r}$0.80±.02; Best double couple: NP1:ϕ_s52.00000°,δ14.00000°,λ19.00000°. NP2:ϕ_s304.00000°,δ85.00000°,λ103.00000°. Principal axes: T 1.4600,Plg48.0000°,Azm228.0000°; N -0.0200,Plg13.0000°,Azm123.0000° ; P -1.4400,Plg39.0000°,Azm22.0000° $M_0$1.50000×10^{17}
IDC V 06 17 22 29.6–5.7 4.99S 151.03E 138–41 3.8,3.7b
¶16155460
IDC Error ellipse: s-maj=98.7km s-min=40.9km az=129.0.
IDC V 07 14 17 06.9–9.5 7.02S 153.30E 84–68 3.6,3.4
¶16155488
IDC Error ellipse: s-maj=149.6km s-min=63.8km az=170.0.
IDC V 08 08 57 06.6–3.7 6.28S 149.35E 0 3.7,3.6
¶16155509
IDC Error ellipse: s-maj=133.1km s-min=41.3km az=113.0.
IDC V 08 09 04 49.2–7.5 5.08S 151.59E 112–52 3.7,3.6
¶16155510
IDC Error ellipse: s-maj=63.4km s-min=49.1km az=108.0.
IDC V 08 10 59 25.4–7.8 6.76S 148.99E 64–59 3.6,3.5
¶16155512
IDC Error ellipse: s-maj=94.3km s-min=53.1km az=125.0.
IDC V 08 11 47 49.2–3.6 6.44S 148.67E 0 3.8,3.6
¶16155514
IDC Error ellipse: s-maj=104.2km s-min=34.7km az=109.0.
IDC V 10 07 39 14.8–1.1 5.00S 151.84E 63–6 4.0,3.7
¶16155575
IDC Error ellipse: s-maj=42.2km s-min=16.3km az=128.0.
IDC V 10 10 55 39.9–4.5 5.69S 149.48E 124–32 3.5,3.4
¶16155587
IDC Error ellipse: s-maj=71.6km s-min=26.9km az=105.0.
IDC V 10 21 04 22.3–3.1 4.32S 151.63E 0 4.0,3.7
¶16155607
IDC Error ellipse: s-maj=112.1km s-min=43.7km az=122.0.
ISC V 11 08 50 35.8–.78 5.95S–.09 149.9E–.10 52 3.7b,3.3s 24 4-152
ISCJB V 11 08 50 34.3–.72 5.97S–.07 149.9E–.10 52 3.6b,3.3s ¶15154262
IDC V 11 08 50 36.0–2.4 6.00S 149.89E 53–19 3.8,3.7
AUST V 11 08 50 35.6–4.5 6.09S 149.67E 10–0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=8.0km az=21.1.
IDC Error ellipse: s-maj=26.5km s-min=11.7km az=111.0.
AUST Error ellipse: s-maj=2.0km s-min=1.5km az=351.0.
ISC V 12 01 26 27.7–.19 5.70S–.02 149.57E–.03 99–1 5.8b 1135 4-155
BJI V 12 01 26 20.5 6.42S 149.90E 96 6.1b,6.0b ¶15154280
ISCJB V 12 01 26 26.4–.57 5.68S–.02 149.54E–.02 98–5 5.8b,6.0b
NEIC V 12 01 26 26.6–.13 5.66S 149.54E 89 6.1W,6.1W
IDC V 12 01 26 27.1–.34 5.67S 149.47E 96–2 5.5,5.5
AUST V 12 01 26 27.7–.25 5.75S 149.57E 93–0 5.5,5.5
MOS V 12 01 26 28.0–1.0 5.68S 149.53E 111 5.8b,5.6s
GCMT V 12 01 26 31.7–.10 5.83S 149.62E 91–0 6.1W,5.6s
DJA V 12 01 26 33.1–.60 6S–3.0 150E–4.0 145–6 6.9,6.3b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Kimbe and Port Moresby. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s32.00000°,δ88.00000°,λ-90.00000°. NP2:ϕ_s212.00000°,δ2.00000°,λ-90.00000°. Principal axes: T Plg43.0000°,Azm122.0000° ; N Plg0.0000°,Azm0.0000°; P Plg47.0000°,Azm302.0000° Moment Tensor Solution. s33 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.29 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-0.17 $M_{r\theta}$-1.02 $M_{\theta\phi}$-0.06 $M_{\phi r}$-1.02 Best double couple: NP1:ϕ_s300.00000°,δ13.00000°,λ-18.00000°. NP2:ϕ_s48.00000° ,δ86.00000°,λ-103.00000°. Principal axes: T 1.4000,Plg39.0000°,Azm149.0000° ; N 0.1800,Plg12.0000°,Azm49.0000°; P -1.5800,Plg47.0000°,Azm304.0000° $M_0$1.50000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=113, comp=265, per= 50. Moment Tensor Solution. s113,c269; s73,c104; Moment tensor: Scale 10^{18}Nm; M_{rr}0.07±.01 $M_{\theta\theta}$0.37±.01; $M_{\phi\phi}$-0.44±.01; $M_{r\theta}$-1.19±.01; $M_{\theta\phi}$-0.26±.01; $M_{\phi r}$-1.17±.01; Best double couple: NP1:ϕ_s328.00000°,δ14.00000°,λ11.00000°. NP2:ϕ_s227.00000°,δ87.00000°,λ104.00000°. Principal axes: T 1.6300,Plg46.0000°,Azm152.0000°; N 0.2100,Plg14.0000°,Azm47.0000° ; P -1.8300,Plg41.0000°,Azm304.0000° $M_0$1.70000×10^{18}
IDC V 12 02 10 13.3–7.0 5.75S 149.37E 112–51 3.2,3.0
¶16155660
IDC Error ellipse: s-maj=127.9km s-min=51.9km az=118.0.
ISC V 12 16 01 44.4–.30 4.67S–.03 152.95E–.04 81–1 5.2b 622 7-158
IDC V 12 16 01 37.3–1.7 4.60S 152.89E 21–9 5.0,5.0 ¶15154271
MOS V 12 16 01 38.2–.93 4.44S 152.85E 33 5.4b,4.6s
ISCJB V 12 16 01 40.5–.72 4.63S–.03 152.96E–.04 64–6 5.2b,4.6s
BJI V 12 16 01 42.1 4.37S 153.24E 80 5.3b,5.2b
NEIC V 12 16 01 43.6–.87 4.64S 152.89E 76–7 5.4W,5.1b
AUST V 12 16 01 43.4–.27 4.61S 153.03E 81–0 5.4W,5.1b
GCMT V 12 16 01 44.8–.10 4.82S 152.88E 58–0 5.3W,5.1b
DJA V 12 16 01 48.9–1.9 5S–10 153E–11 183–25 5.5b,5.4b
ISC Event type fe.
ISCJB Event type fe.

NEIC Event type fe. Felt at Rabaul. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.94 $M_{\phi\phi}$-0.53 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.02 Best double couple: NP1:ϕ_s67.00000° ,δ56.00000°,λ101.00000°. NP2:ϕ_s228.00000°,δ35.00000°,λ74.00000°. Principal axes: T 1.6100,Plg76.0000°,Azm10.0000°; N -0.2600,Plg8.0000°,Azm240.0000° ; P -1.3500,Plg10.0000°,Azm149.0000° M_o1.50000×10^{17}

GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s90,c147; s81,c143; Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$-1.25±.02; $M_{\phi\phi}$0.11±.02; $M_{r\theta}$0.33±.02; $M_{\theta\phi}$-0.25±.02; $M_{\phi r}$0.10±.02; Best double couple: NP1:ϕ_s263.00000°,δ37.00000°,λ94.00000°. NP2:ϕ_s78.00000°,δ53.00000°,λ87.00000°. Principal axes: T 1.1900,Plg82.0000° ,Azm333.0000°; N 0.1500,Plg2.0000°,Azm79.0000°; P -1.3400,Plg8.0000°,Azm170.0000° M_o1.30000×10^{17}

IDC V 12 17 48 52.4–1.1 5.72S 152.24E 0 3.9,3.8 ¶16155679

IDC Error ellipse: s-maj=32.1km s-min=21.9km az=121.0.

IDC V 13 11 55 59.6–3.3 4.61S 152.94E 0 3.7,3.6 ¶16155711

IDC Error ellipse: s-maj=103.2km s-min=27.1km az=110.0.

IDC V 13 19 35 00.9–3.9 5.83S 152.98E 86–34 3.9,3.8 ¶16155720

IDC Error ellipse: s-maj=22.9km s-min=16.9km az=83.0.

ISC	**V**	**13 22 04 08.3–.46**	**5.36S–.07**	**152.96E–.08**	**37**	**4.5b,3.9s**	**102**	**7-151**
IDC	V	13 22 04 02.4–.58	5.35S	153.06E	0	4.5,4.5		¶15154293
ISCJB	V	13 22 04 06.4–.37	5.39S–.05	153.03E–.07	37	4.4b,3.9s		
NEIC	V	13 22 04 07.0–4.0	5.37S	153.01E	30–28	4.7b,3.9s		
AUST	V	13 22 04 10.7	5.17S	152.60E	35	4.7b,3.9s		

ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=12.8km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.9km az=21.1.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.3km az=76.0.

IDC V 13 22 13 45.8–.81 5.22S 152.79E 0 4.1,4.0 ¶16155725

IDC Error ellipse: s-maj=28.0km s-min=16.9km az=117.0.

ISC	**V**	**13 23 34 34.8–2.1**	**5.9S–.70**	**151.5E–.70**	**41**	**4.1b**	**8**	**6-149**
IDC	V	13 23 34 37.0–5.6	5.55S	151.07E	60–47	4.1,3.9		¶16155728

ISC Event type ke.
IDC Error ellipse: s-maj=96.5km s-min=31.4km az=131.0.

IDC V 14 07 03 08.4–8.0 5.01S 151.23E 132–53 3.4,3.3 ¶16155733

IDC Error ellipse: s-maj=153.6km s-min=52.5km az=121.0.

ISC	**V**	**14 09 02 55.7–.54**	**5.38S–.08**	**152.96E–.10**	**37**	**4.2b**	**48**	**7-151**
IDC	V	14 09 02 50.4–.65	5.36S	152.93E	0	4.3,4.3		¶13678926
ISCJB	V	14 09 02 53.8–.46	5.41S–.07	152.95E–.08	37	4.2b,3.5s		
NEIC	V	14 09 02 55.3–.35	5.40S	152.93E	35	4.5b,3.5s		

ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=15.0km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=7.0km az=32.2.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.8km az=110.0.

IDC V 15 05 57 50.4–1.5 4.82S 151.45E 48–8 3.8,3.6 ¶16155757

IDC Error ellipse: s-maj=74.6km s-min=17.2km az=127.0.

IDC V 15 06 32 40.9–11 6.45S 149.95E 280–34 3.4,3.3 ¶16155758

IDC Error ellipse: s-maj=142.3km s-min=54.3km az=37.0.

IDC V 15 08 10 50.1–4.1 6.47S 149.01E 132–40 3.2,3.1 ¶16155763

IDC Error ellipse: s-maj=98.0km s-min=31.5km az=134.0.

IDC V 15 15 42 57.2–3.4 5.75S 149.34E 110–31 3.4,3.3b ¶16155773

IDC Error ellipse: s-maj=72.7km s-min=21.4km az=116.0.

ISC	**V**	**15 21 37 27.4–.69**	**6.07S–.09**	**151.2E–.10**	**43**	**4.1b,3.5s**	**47**	**5-149**
NEIC	V	15 21 37 26.9–.84	5.92S	151.22E	35	4.5b,3.5s		¶15154331
IDC	V	15 21 37 28.4–2.6	5.98S	151.23E	49–21	4.2,4.0		
AUST	V	15 21 37 41.3–4.3	6.20S	150.19E	103–0	4.2,4.0		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=11.7km az=119.0.
IDC Error ellipse: s-maj=36.3km s-min=15.1km az=112.0.
AUST Error ellipse: s-maj=4.6km s-min=1.4km az=239.0.

ISC	**V**	**18 22 59 43.9–2.7**	**4.5S–.50**	**151.8E–.70**	**100**	**3.6b**	**9**	**7-149**
IDC	V	18 22 59 47.1–6.3	4.07S	150.95E	103–50	3.7,3.6		¶16155889

ISC Event type ke.
IDC Error ellipse: s-maj=102.7km s-min=41.1km az=127.0.

IDC V 19 23 50 36.7–6.0 6.12S 151.70E 42–49 4.1,3.9 ¶16155926

IDC Error ellipse: s-maj=85.1km s-min=24.3km az=125.0.

IDC V 20 03 44 21.2–5.7 6.14S 150.32E 53–48 3.8,3.6 ¶16155932

IDC Error ellipse: s-maj=59.5km s-min=32.1km az=126.0.

IDC V 20 05 43 41.6–2.2 5.59S 152.60E 0 4.1s,4.1 ¶16155936

IDC Error ellipse: s-maj=134.6km s-min=27.3km az=131.0.

IDC V 20 10 56 40.0–3.0 5.62S 151.29E 0 3.7,3.5 ¶16155948

IDC Error ellipse: s-maj=103.0km s-min=38.8km az=126.0.

ISC	**V**	**22 16 43 21.5–1.0**	**4.17S–.08**	**152.1E–.20**	**200**	**4.0b**	**34**	**7-149**
ISCJB	V	22 16 43 19.6–.78	4.13S–.06	152.2E–.10	200	4.0b		¶15154472
AUST	V	22 16 43 22.0–4.8	4.21S	152.15E	210–0	4.0b		
IDC	V	22 16 43 22.8–1.9	4.17S	152.03E	210–15	3.7,3.7b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=7.6km az=13.7.
AUST Error ellipse: s-maj=4.4km s-min=1.3km az=245.0.
IDC Error ellipse: s-maj=23.3km s-min=9.6km az=104.0.

ISC	**V**	**24 05 14 37.5–.40**	**7.09S–.05**	**150.90E–.06**	**40**	**4.8b,3.9s**	**154**	**4-156**
AUST	V	24 05 14 33.7	7.12S	151.17E	20	4.8b,3.9s		¶15154889
BJI	V	24 05 14 34.7	7.10S	150.90E	41	5.0b,4.8s		
ISCJB	V	24 05 14 35.5–.29	7.04S–.04	150.85E–.05	40	4.7b,3.9s		
NEIC	V	24 05 14 36.4–1.1	7.03S	150.90E	36–10	4.9b,3.9s		
IDC	V	24 05 14 37.4–2.0	7.06S	150.79E	41–16	4.5,4.5		
DJA	V	24 05 14 54.2–2.5	8S–14	150E–19	106–13	5.5b,5.2		

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

IDC V 24 15 57 27.1–7.6 6.34S 152.99E 98–53 3.5,3.4 ¶16156106

IDC Error ellipse: s-maj=83.5km s-min=28.6km az=101.0.

IDC V 24 20 26 55.0–1.9 5.25S 151.43E 0 4.0,3.8 ¶16156122

IDC Error ellipse: s-maj=102.8km s-min=27.2km az=128.0.

ISC	**V**	**25 11 42 21.8–.54**	**5.69S–.06**	**148.48E–.07**	**163**	**4.1b**	**55**	**4-146**
AUST	V	25 11 42 17.0–9.9	5.20S	148.87E	175–0	4.1b		¶15155497
ISCJB	V	25 11 42 20.4–.41	5.64S–.04	148.46E–.07	163	4.0b		
NEIC	V	25 11 42 21.5–1.2	5.64S	148.49E	161–12	4.5b		
IDC	V	25 11 42 22.5–1.4	5.71S	148.43E	170–13	4.0,3.9		

ISC Event type se.
AUST Error ellipse: s-maj=7.2km s-min=1.5km az=244.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.7km az=18.3.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.1km az=123.0.
IDC Error ellipse: s-maj=15.4km s-min=9.0km az=111.0.

IDC V 25 19 09 13.6–3.6 4.82S 152.99E 0 3.5,3.2 ¶16156155

IDC Error ellipse: s-maj=167.5km s-min=46.2km az=121.0.

ISC	**V**	**26 05 31 21.7–.29**	**6.87S–.04**	**150.39E–.05**	**26**	**5.0b,4.1s**	**245**	**3-155**
BJI	V	26 05 31 17.3	7.01S	150.95E	32	5.1b,4.9s		¶15155519
ISCJB	V	26 05 31 19.2–.21	6.81S–.03	150.36E–.04	26	4.9b,4.2s		
MOS	V	26 05 31 20.1–1.1	6.74S	150.32E	33	5.0b,4.2s		
AUST	V	26 05 31 22.6–.34	6.85S	150.48E	41–0	5.0b,4.2s		
NEIC	V	26 05 31 22.0–.18	6.75S	150.31E	35	5.0b,4.2s		
IDC	V	26 05 31 23.1–.52	6.76S	150.29E	42–4	4.6,4.6		
GCMT	V	26 05 31 25.1–.30	6.90S	150.56E	12–1	4.9W,4.6		
DJA	V	26 05 31 28.1–2.5	7S–13	150E–15	90–15	5.6b,5.4		

ISC Event type se.
ISCJB Event type se.

NEIC Event type se.
GCMT Event type se. Data Used: G IC II IU CN. Moment Tensor Solution. s19,c22; s69,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.59±.17 $M_{\theta\theta}$2.22±.12; $M_{\phi\phi}$-0.63±.10; $M_{r\theta}$1.35±.32; $M_{\theta\phi}$1.26±.09; $M_{\phi r}$-1.27±.38; Best double couple: NP1:ϕ_s37.00000°,δ47.00000°,λ-147.00000°. NP2:ϕ_s283.00000°,δ67.00000°,λ-48.00000°. Principal axes: T 2.8700,Plg12.0000° ,Azm344.0000°; N 0.2300,Plg38.0000°,Azm84.0000°; P -3.1000,Plg50.0000°,Azm240.0000° M_o3.00000×10^{16}

IDC V 26 06 16 30.9–.76 7.06S 150.62E 44–6 3.8,3.8 ¶16156176

IDC Error ellipse: s-maj=35.2km s-min=12.1km az=137.0.

IDC V 26 11 36 43.5–5.2 5.56S 151.14E 46–45 3.6,3.5 ¶16156181

IDC Error ellipse: s-maj=99.7km s-min=32.4km az=131.0.

ISC	**V**	**26 19 16 03.7–.60**	**6.09S–.08**	**151.8E–.10**	**36**	**4.2b,3.5s**	**54**	**2-150**
IDC	V	26 19 15 58.0–.79	6.02S	151.74E	0	4.3,4.2		¶15155523
AUST	V	26 19 16 00.1–4.5	6.11S	152.00E	0–0	4.3,4.2		
ISCJB	V	26 19 16 02.3–.46	5.99S–.07	151.64E–.09	36	4.1b,3.4s		
NEIC	V	26 19 16 06.5–2.2	6.02S	151.57E	62–19	4.3b,3.4s		

ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=16.4km az=124.0.
AUST Error ellipse: s-maj=2.0km s-min=1.0km az=283.0.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=6.6km az=33.6.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=11.4km az=106.0.

IDC V 28 02 36 55.3–3.3 4.82S 151.48E 0 4.1,3.9 ¶16156248

IDC Error ellipse: s-maj=160.1km s-min=36.8km az=122.0.

IDC V 28 03 30 10.7–2.8 5.22S 151.67E 0 4.2,4.0 ¶16156249

IDC Error ellipse: s-maj=77.4km s-min=23.9km az=111.0.

IDC V 28 06 57 10.8–1.9 4.61S 151.72E 0 4.1,3.9 ¶16156252

IDC Error ellipse: s-maj=110.3km s-min=25.6km az=128.0.

ISC	**V**	**28 10 59 50.7–.40**	**5.01S–.04**	**151.39E–.05**	**51–2**	**5.1s,4.9b**	**209**	**1-149**
IDC	V	28 10 59 43.1–.49	4.95S	151.22E	0	4.9,4.9s		¶15155546
ISCJB	V	28 10 59 46.9–.78	5.00S–.03	151.34E–.04	33–7	5.0s,5.0b		
MOS	V	28 10 59 47.2–1.1	4.96S	151.23E	36	5.4b,5.0b		
AUST	V	28 10 59 48.2	4.72S	151.58E	60	5.4b,5.0b		
BJI	V	28 10 59 48.9	5.10S	151.20E	48	5.3s,5.3b		
NEIC	V	28 10 59 50.7–1.1	5.03S	151.23E	53–11	5.2b,5.3b		
DJA	V	28 11 00 01.4–2.5	5S–12	151E–17	92–16	5.7b,5.2		

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

IDC V 28 11 59 47.0–4.8 5.02S 151.48E 0 4.1,3.9 ¶16156265

IDC Error ellipse: s-maj=102.4km s-min=35.8km az=101.0.

ISC	**V**	**28 20 04 40.7–.74**	**5.2S–.10**	**151.9E–.10**	**70**	**4.1b**	**25**	**1-150**
ISCJB	V	28 20 04 39.4–.62	5.20S–.09	151.8E–.10	70	3.9b		¶15155557
AUST	V	28 20 04 41.7	5.19S	151.60E	60	3.9b		
IDC	V	28 20 04 41.1–4.8	5.31S	151.85E	75–41	4.0,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=7.7km az=34.0.
IDC Error ellipse: s-maj=31.3km s-min=21.2km az=94.0.

ISC	**V**	**29 00 30 02.3–.46**	**5.21S–.06**	**149.55E–.10**	**400**	**4.4b**	**112**	**5-153**
AUST	V	29 00 29 53.1	4.75S	149.58E	300	4.4b		¶15155577
ISCJB	V	29 00 30 01.3–.36	5.15S–.05	149.50E–.08	400	4.2b		
IDC	V	29 00 30 01.1–1.2	5.21S	149.57E	386–11	3.9,3.9		
NEIC	V	29 00 30 01.5–.98	5.19S	149.60E	395–10	4.5b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.1km az=22.0.
IDC Error ellipse: s-maj=17.2km s-min=8.1km az=105.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.3km az=100.0.

IDC V 29 20 05 04.9–6.1 5.63S 148.78E 169–50 3.7s,3.7 ¶16156326

IDC Error ellipse: s-maj=91.4km s-min=52.4km az=130.0.

ISC	**V**	**29 23 48 03.3–.40**	**6.21S–.04**	**151.12E–.06**	**43–2**	**4.8b,4.4s**	**275**	**5-151**
IDC	V	29 23 47 56.5–.44	6.14S	151.19E	0	4.7,4.7		¶12869559
BJI	V	29 23 48 00.1	6.42S	151.46E	50	5.1b,4.9s		
MOS	V	29 23 48 00.6–1.1	6.14S	151.01E	33	5.1b,4.3s		
NEIC	V	29 23 48 01.7–.24	6.17S	151.09E	35	5.0b,4.3s		
ISCJB	V	29 23 48 01.6–.27	6.23S–.04	151.07E–.05	44	4.7b,4.4s		
GCMT	V	29 23 48 05.3–.20	6.44S	151.14E	18–0	5.2W,4.4s		
DJA	V	29 23 48 10.4–1.3	6S–6.0	151E–10	93–12	5.7b,5.2		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c80; s79,c128; Moment tensor: Scale 10^{16}Nm; M_{rr}4.45±.18 $M_{\theta\theta}$-4.92±.13; $M_{\phi\phi}$0.47±.12; $M_{r\theta}$4.81±.36; $M_{\theta\phi}$-0.78±.09; $M_{\phi r}$1.60±.33; Best double couple: NP1:ϕ_s271.00000°,δ22.00000°,λ106.00000°. NP2:ϕ_s74.00000°,δ69.00000°,λ83.00000°. Principal axes: T 6.7000,Plg66.0000° ,Azm333.0000°; N 0.4800,Plg6.0000°,Azm76.0000°; P -7.1900,Plg23.0000°,Azm169.0000° M_o7.00000×10^{16}

IDC V 30 07 05 30.3–1.6 4.98S 151.54E 0 4.1,4.0 ¶16066069

IDC Error ellipse: s-maj=46.9km s-min=23.6km az=104.0.

IDC V 30 07 51 42.8–1.7 5.23S 151.86E 0 4.4,4.1 ¶16066070

IDC Error ellipse: s-maj=62.2km s-min=25.7km az=124.0.

ISC	**V**	**30 09 52 48.9–.76**	**4.9S–.10**	**151.5E–.10**	**10**	**4.2b,3.7s**	**28**	**6-100**
ISCJB	V	30 09 52 47.6–.71	5.0S–.10	151.4E–.10	10	4.1b,3.6s		¶13679967
IDC	V	30 09 52 47.5–.99	5.00S	151.52E	0	4.2,4.1		
NEIC	V	30 09 52 50.0–.64	5.00S	151.37E	15	4.6b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=11.6km az=31.2.
IDC Error ellipse: s-maj=32.0km s-min=17.4km az=114.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=11.3km az=119.0.

ISC	**V**	**30 19 56 44.6–.27**	**6.65S–.03**	**150.00E–.04**	**45–1**	**5.1b,4.8s**	**859**	**3-155**
IDC	V	30 19 56 37.8–.34	6.52S	150.00E	0	4.9,4.9		¶15155601
AUST	V	30 19 56 42.1	6.67S	150.14E	25	4.9,4.9		
BJI	V	30 19 56 42.6	6.38S	150.31E	46	5.1b,5.0b		
ISCJB	V	30 19 56 42.9–.15	6.60S–.02	149.90E–.03	44	5.1b,4.8s		
MOS	V	30 19 56 42.8–1.2	6.48S	149.79E	33	5.4b,5.0s		
NEIC	V	30 19 56 43.7–.76	6.54S	149.89E	37–6	5.2b,5.0s		
GCMT	V	30 19 56 45.2–.10	6.77S	150.03E	17–0	5.3W,5.0s		
DJA	V	30 19 56 55.8–2.4	7S–13	150E–15	94–16	5.7,5.4b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s80,c120; s97,c184; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s30.00000°,δ61.00000°,λ172.00000°. NP2:ϕ_s124.00000° ,δ83.00000°,λ30.00000°. Principal axes: T 1.0700,Plg26.0000°,Azm351.0000° ; N 0.1400,Plg60.0000°,Azm136.0000°; P -1.2100,Plg15.0000°,Azm253.0000° M_o1.10000×10^{17}

IDC V 31 17 25 34.8–1.4 6.34S 151.10E 0 4.0,3.8 ¶16066127

IDC Error ellipse: s-maj=49.6km s-min=19.3km az=117.0.

IDC V 31 22 53 25.0–5.7 5.37S 151.78E 73–46 3.9,3.7 ¶16066134

IDC Error ellipse: s-maj=53.8km s-min=26.9km az=112.0.

IDC VI 01 04 29 36.7–3.7 5.31S 150.20E 0 3.6,3.4 ¶16066147

IDC Error ellipse: s-maj=132.0km s-min=49.6km az=119.0.

ISC	**VI**	**02 02 11 27.5–.41**	**6.11S–.04**	**148.30E–.08**	**46–2**	**4.8b,4.7s**	**150**	**3-153**
ISCJB	VI	02 02 11 25.2–1.3	6.05S–.05	148.24E–.07	38–12	4.9s,4.8b		¶12872810
BJI	VI	02 02 11 26.1	6.13S	148.31E	56	5.4s,5.2		
IDC	VI	02 02 11 27.5–.49	6.07S	148.27E	47–4	4.5,4.4		
DJA	VI	02 02 11 29.3–3.7	6S–10	148E–11	30–27	5.4b,5.3		
NEIC	VI	02 02 11 29.2–1.1	6.06S	148.14E	63–9	4.8b,5.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.2km az=19.0.

IDC Error ellipse: s-maj=22.9km s-min=8.0km az=101.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.1km az=98.0.
IDC VI 02 10 09 27.1–.99 5.90S 148.54E 51–7 4.1,4.0
¶16066215

IDC Error ellipse: s-maj=32.3km s-min=11.4km az=107.0.
IDC VI 03 05 07 21.4–2.3 4.45S 152.20E 0 3.8,3.5
¶16100890

IDC Error ellipse: s-maj=170.5km s-min=27.4km az=126.0.
IDC VI 04 12 49 44.6–7.5 5.91S 148.55E 0 4.1,4.1b
¶16100940

IDC Error ellipse: s-maj=112.2km s-min=58.4km az=48.0.
IDC VI 05 12 38 11.6–8.8 5.22S 151.01E 57–65 3.3,3.1
¶16100984

IDC Error ellipse: s-maj=120.6km s-min=55.0km az=127.0.
ISC VI 06 03 20 40.3–.58 6.47S–.09 152.89E–.09 31 4.2b 52 6-151
IDC VI 06 03 20 35.4–.74 6.48S 152.88E 0 4.4,4.2 **¶15155790**
ISCJB VI 06 03 20 38.6–.44 6.53S–.07 152.87E–.07 31 4.2b,3.3s
NEIC VI 06 03 20 41.3–1.8 6.52S 152.85E 40–17 4.5b,3.3s
AUST VI 06 03 21 01.3 7.59S 151.70E 100 4.5b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=16.4km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=6.9km az=42.3.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=12.4km az=106.0.
IDC VI 07 08 19 38.3–1.9 5.37S 151.52E 0 3.9,3.7
¶16101053

IDC Error ellipse: s-maj=69.1km s-min=21.0km az=121.0.
IDC VI 08 06 56 35.8–5.0 5.52S 149.45E 95–47 3.6,3.4
¶16101091

IDC Error ellipse: s-maj=87.5km s-min=31.3km az=131.0.
IDC VI 09 04 16 57.4–8.1 5.62S 151.07E 88–57 3.7,3.6
¶16101131

IDC Error ellipse: s-maj=95.0km s-min=53.7km az=126.0.
IDC VI 09 12 28 35.1–2.3 5.18S 150.76E 260–18 3.4,3.3
¶16101150

IDC Error ellipse: s-maj=46.9km s-min=15.9km az=120.0.
IDC VI 10 19 20 14.7–4.4 4.97S 152.85E 96–38 3.8,3.7
¶16101186

IDC Error ellipse: s-maj=27.5km s-min=23.4km az=162.0.
IDC VI 11 17 02 11.1–3.1 6.34S 149.93E 0 3.9,3.8
¶16101214

IDC Error ellipse: s-maj=100.7km s-min=39.0km az=119.0.
IDC VI 14 15 08 02.7–5.5 5.13S 151.00E 125–38 3.9,3.7
¶16101322

IDC Error ellipse: s-maj=74.1km s-min=28.1km az=109.0.
ISC VI 15 00 44 56.5–.33 5.44S–.04 151.35E–.05 57 4.8b,3.8s 298 6-156
BJI VI 15 00 44 51.1 5.88S 151.83E 69 4.9b,4.8b **¶15156131**
AUST VI 15 00 44 54.4 5.19S 151.60E 60 4.9b,4.8b
ISCJB VI 15 00 44 55.0–.21 5.37S–.03 151.28E–.04 57 4.7b,3.9s
IDC VI 15 00 44 58.6–1.8 5.44S 151.26E 79–15 4.4,4.4
NEIC VI 15 00 44 58.1–1.0 5.38S 151.26E 75–9 4.8b,4.4
GCMT VI 15 00 44 59.1–.30 5.67S 151.33E 61–1 4.9W,4.4
DJA VI 15 00 45 01.8–1.5 5S–6.0 151E–12 85–13 5.7b,5.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c54; s45,c56; Moment tensor: Scale 10^{16}Nm; M_{rr}2.65±.16 $M_{\theta\theta}$-2.95±.11; $M_{\phi\phi}$0.30±.13; $M_{r\theta}$-0.13±.10; $M_{\theta\phi}$-1.12±.13; $M_{\phi r}$0.16±.10; Best double couple: NP1:ϕ_s67.00000°,δ45.00000°,λ82.00000°. NP2:ϕ_s258.00000°,δ46.00000°,λ97.00000°. Principal axes: T 2.6700,Plg85.0000° ,Azm245.0000°; N 0.6300,Plg5.0000°,Azm73.0000°; P -3.3000,Plg1.0000°,Azm343.0000° M_o3.00000×10^{16}
IDC VI 15 03 45 22.9–1.9 5.92S 152.86E 0 4.1,3.9
¶16101342

IDC Error ellipse: s-maj=103.6km s-min=25.2km az=132.0.
IDC VI 15 04 02 38.2–2.4 4.67S 150.75E 0 3.9,3.7
¶16101343

IDC Error ellipse: s-maj=52.1km s-min=36.1km az=7.0.
IDC VI 15 12 26 41.5–1.8 5.64S 150.06E 106–12 3.7,3.6
¶16101362

IDC Error ellipse: s-maj=24.4km s-min=19.6km az=113.0.
IDC VI 15 19 00 28.7–2.0 5.65S 150.89E 0 4.1,3.9b
¶16101376

IDC Error ellipse: s-maj=68.6km s-min=23.7km az=105.0.
IDC VI 16 14 21 21.1–2.8 5.00S 151.50E 154–23 3.6,3.5
¶16101406

IDC Error ellipse: s-maj=25.4km s-min=20.1km az=119.0.
ISC VI 17 08 36 49.3–.52 6.33S–.08 149.22E–.09 53 4.2b 60 4-152
ISCJB VI 17 08 36 47.4–.60 6.34S–.07 149.20E–.07 53 4.1b,3.8s **¶15156180**
NEIC VI 17 08 36 48.6–1.2 6.31S 149.20E 48–11 4.5b,3.8s
IDC VI 17 08 36 49.8–.96 6.36S 149.18E 56–8 4.4,4.3
AUST VI 17 08 36 51.5–.01 6.57S 149.14E 48–0 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=8.1km az=135.9.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.7km az=155.0.
IDC Error ellipse: s-maj=23.5km s-min=11.3km az=119.0.
AUST Error ellipse: s-maj=1.8km s-min=1.1km az=315.0.
IDC VI 18 22 03 24.6–5.6 6.70S 150.29E 52–46 4.1,4.0
¶16101482

IDC Error ellipse: s-maj=55.5km s-min=31.3km az=127.0.
IDC VI 19 10 59 51.8–6.3 6.45S 149.38E 84–47 3.8,3.7
¶16101498

IDC Error ellipse: s-maj=72.9km s-min=44.4km az=131.0.
IDC VI 20 06 58 51.7–3.3 4.15S 152.24E 0 3.8,3.6
¶16101527

IDC Error ellipse: s-maj=121.0km s-min=45.9km az=121.0.
IDC VI 20 21 13 09.7–4.2 5.99S 148.74E 81–46 4.0,3.9L
¶16101548

IDC Error ellipse: s-maj=75.2km s-min=24.3km az=126.0.
IDC VI 21 01 45 00.9–3.3 4.61S 151.17E 0 3.7,3.5
¶16101554

IDC Error ellipse: s-maj=122.9km s-min=45.2km az=120.0.
IDC VI 21 09 48 38.8–1.5 5.13S 152.41E 84–10 3.8,3.6
¶16101564

IDC Error ellipse: s-maj=56.2km s-min=17.4km az=133.0.
IDC VI 21 15 42 34.0–3.0 5.77S 152.39E 0 4.1,4.1s
¶16101578

IDC Error ellipse: s-maj=110.2km s-min=42.4km az=128.0.
IDC VI 21 19 35 25.8–4.8 5.27S 150.97E 105–39 3.6,3.4
¶16101589

IDC Error ellipse: s-maj=56.4km s-min=26.1km az=116.0.
IDC VI 22 10 29 54.1–6.1 5.47S 148.76E 84–47 3.8,3.7
¶16101605

IDC Error ellipse: s-maj=44.5km s-min=32.8km az=178.0.
IDC VI 23 09 19 33.3–6.0 4.68S 152.37E 54–50 3.6,3.4
¶16101642

IDC Error ellipse: s-maj=71.9km s-min=30.9km az=126.0.
IDC VI 23 10 06 32.2–8.1 5.77S 149.47E 117–49 3.4,3.3b
¶16101644

IDC Error ellipse: s-maj=63.6km s-min=56.0km az=57.0.
IDC VI 23 17 14 00.5–3.9 5.96S 148.82E 80–34 3.8,3.6
¶16101656

IDC Error ellipse: s-maj=36.8km s-min=16.4km az=115.0.
ISC VI 24 02 29 16.2–.80 5.0S–.10 150.8E–.20 155 4.2b 27 6-148
IDC VI 24 02 28 58.4–.90 4.93S 151.26E 0 4.4,4.3 **¶13681937**
NEIC VI 24 02 29 04.6–2.4 5.00S 151.15E 45–20 4.5b,4.3
ISCJB VI 24 02 29 15.3–.66 5.09S–.08 150.9E–.10 155 4.1b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 24 02 46 33.9–1.5 5.09S 152.91E 0 4.0,3.9b
¶16101675

IDC Error ellipse: s-maj=55.5km s-min=21.7km az=109.0.
IDC VI 26 07 50 19.7–4.6 5.94S 148.42E 104–47 3.9,3.7
¶16101741

IDC Error ellipse: s-maj=66.0km s-min=28.0km az=131.0.
IDC VI 26 17 18 28.1–2.9 5.14S 151.77E 125–20 3.5,3.4
¶16101757

IDC Error ellipse: s-maj=50.2km s-min=16.1km az=112.0.
IDC VI 27 02 19 29.2–3.5 4.97S 152.09E 0 4.1s,4.1
¶16101770

IDC Error ellipse: s-maj=154.9km s-min=46.0km az=120.0.
IDC VI 27 19 59 19.8–1.6 5.13S 152.83E 0 4.0,3.8
¶16101795

IDC Error ellipse: s-maj=58.8km s-min=18.8km az=123.0.
IDC VI 29 06 00 04.1–1.1 6.01S 148.97E 0 4.2,4.0
¶16101849

IDC Error ellipse: s-maj=68.5km s-min=15.2km az=132.0.
ISC VI 29 13 00 18.3–.32 6.00S–.04 151.49E–.05 41 4.7b,4.5s 170 5-151
IDC VI 29 13 00 11.7–.50 5.90S 151.39E 0 4.7L,4.6 **¶13307329**
ISCJB VI 29 13 00 16.0–.27 6.00S–.04 151.49E–.04 41 4.6b,4.5s
NEIC VI 29 13 00 19.8–1.1 5.98S 151.46E 59–11 4.9b,4.5s
MOS VI 29 13 00 19.5–1.0 5.91S 151.31E 68 4.9b,4.5s
BJI VI 29 13 00 19.7 6.01S 151.11E 53 5.1b,4.8s
GCMT VI 29 13 00 20.3–.20 6.26S 151.55E 19–0 5.2W,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=14.0km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=5.5km az=13.4.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.9km az=119.0.
MOS Error ellipse: s-maj=12.5km s-min=8.3km az=79.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s62,c89; s80,c128; Moment tensor: Scale 10^{16}Nm; M_{rr}4.48±.17 $M_{\theta\theta}$-3.99±.12; $M_{\phi\phi}$-0.49±.11; $M_{r\theta}$4.30±.27; $M_{\theta\phi}$-1.14±.07; $M_{\phi r}$2.86±.26; Best double couple: NP1:ϕ_s264.00000°,δ22.00000°,λ112.00000°. NP2:ϕ_s61.00000°,δ70.00000°,λ82.00000°. Principal axes: T 6.9600,Plg64.0000° ,Azm317.0000°; N -0.3600,Plg8.0000°,Azm64.0000°; P -6.6000,Plg25.0000°,Azm157.0000° M_o6.80000×10^{16}
IDC VI 29 13 44 48.4–8.0 5.57S 151.53E 106–55 3.4,3.3
¶16101863

IDC Error ellipse: s-maj=94.7km s-min=53.4km az=125.0.
IDC VI 29 14 16 39.0–8.1 5.44S 151.42E 101–56 3.3,3.2
¶16101864

IDC Error ellipse: s-maj=109.1km s-min=54.3km az=126.0.
IDC VI 29 14 40 18.6–7.9 6.03S 150.21E 91–43 3.5,3.2
¶16101865

IDC Error ellipse: s-maj=138.1km s-min=53.0km az=111.0.
IDC VI 29 20 05 10.2–3.7 4.78S 152.30E 0 3.3,3.2
¶16101871

IDC Error ellipse: s-maj=161.2km s-min=47.4km az=120.0.

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ISC I 01 03 05 47.3–.45 7.03S–.09 155.44E–.08 50 4.4b,3.6s 107 5-160
IDC I 01 03 05 40.2–.58 6.98S 155.44E 0 4.5,4.5 **¶12079727**
ISCJB I 01 03 05 46.0–.33 6.98S–.05 155.37E–.06 50 4.4b,3.6s
NEIC I 01 03 05 51.3–1.2 6.92S 155.18E 82–11 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=15.0km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.0km az=38.6.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.8km az=167.0.
ISC I 01 05 01 29.3–.51 6.85S–.08 155.93E–.06 52–4 4.5b,3.4s 105 5-161
IDC I 01 05 01 28.3–.76 6.99S 156.06E 49–4 4.3,4.2 **¶11712472**
NEIC I 01 05 01 29.1–.44 6.86S 155.93E 50 4.7b,4.2
ISCJB I 01 05 01 29.8–1.5 6.96S–.07 155.90E–.05 70–15 4.3b,4.2
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
IDC I 02 07 29 31.4–5.5 7.61S 156.05E 116–62 3.7,3.6
¶12079807

IDC Error ellipse: s-maj=51.7km s-min=26.4km az=139.0.
IDC I 02 21 53 17.2–4.5 6.89S 155.12E 0 3.6,3.5b
¶12079854

IDC Error ellipse: s-maj=133.1km s-min=35.8km az=118.0.
ISC I 03 02 59 29.5–.98 10.51S–.10 161.1E–.10 62 3.7b 16 2-100
IDC I 03 02 59 27.0–5.3 10.54S 161.20E 42–42 4.1L,3.9 **¶12079870**
ISCJB I 03 02 59 28.1–.77 10.45S–.08 161.14E–.10 62 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC I 03 11 00 47.5–.77 11.06S–.07 162.04E–.09 65–5 4.2b 64 3-161
IDC I 03 11 00 38.7–.83 10.91S 161.92E 0 4.3,4.2 **¶11534536**
BJI I 03 11 00 46.1 11.20S 161.70E 59 4.9b,4.8b
ISCJB I 03 11 00 46.2–2.2 11.00S–.07 161.8E–.10 64–17 4.4b,4.8b
NEIC I 03 11 00 47.9–1.7 10.91S 161.87E 69–14 4.4b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=19.9km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=10.9km az=2.8.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.8km az=99.0.
IDC I 03 12 19 46.6–2.8 5.59S 154.29E 0 3.9s,3.9
¶12079901

IDC Error ellipse: s-maj=83.1km s-min=25.1km az=115.0.
ISC I 03 21 46 42.7–.41 6.98S–.07 156.08E–.08 62 4.9b 118 5-161
ISCJB I 03 21 46 41.7–.39 7.05S–.05 155.93E–.08 62 4.8b **¶11712544**
NEIC I 03 21 46 46.8–1.1 7.09S 156.08E 102–9 4.8b
IDC I 03 21 46 46.6–1.9 7.08S 155.90E 96–18 4.5,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=7.0km az=2.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.4km az=115.0.
IDC Error ellipse: s-maj=13.6km s-min=12.4km az=97.0.
IDC I 04 09 02 60.0–.93 9.00S 158.26E 22–5 3.8,3.7b
¶12080154

IDC Error ellipse: s-maj=27.4km s-min=20.5km az=8.0.
ISC I 05 14 40 17.7–.96 6.8S–.20 155.3E–.10 50 4.3b,3.5s 17 5-153
IDC I 05 14 40 11.2–.92 6.66S 155.29E 0 4.5,4.3 **¶12080386**
ISC Event type ke.
IDC Error ellipse: s-maj=37.8km s-min=16.3km az=131.0.
IDC I 06 22 02 44.6–4.1 6.73S 155.75E 238–40 3.5,3.3
¶12080559

IDC Error ellipse: s-maj=25.6km s-min=23.3km az=170.0.
ISC I 09 13 40 57.3–3.1 8.5S–.10 157.26E–.07 18–16 4.5b,3.5s 48 3-156
IDC I 09 13 40 54.9–.73 8.45S 157.28E 0 4.6,4.4 **¶11659101**
ISCJB I 09 13 40 58.1–4.8 8.48S–.10 157.25E–.06 33–34 4.5b,3.5s
NEIC I 09 13 40 59.5–2.3 8.48S 157.31E 37–23 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=17.9km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=10.3km az=167.4.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=11.7km az=148.0.
IDC I 10 18 05 34.7–8.2 10.48S 161.82E 0 3.8,3.7b
¶12080971

IDC Error ellipse: s-maj=241.2km s-min=36.5km az=120.0.
IDC I 10 22 50 54.9–3.0 10.53S 162.15E 71–24 3.8,3.6
¶12080993

IDC Error ellipse: s-maj=29.9km s-min=20.5km az=57.0.
ISC I 11 07 06 27.3–1.0 9.0S–.20 161.2E–.20 43 4.5b 36 1-89
IDC I 11 07 06 20.7–1.4 9.06S 161.26E 0 4.3,4.2 **¶12081015**
ISCJB I 11 07 06 24.8–.76 9.1S–.10 161.3E–.10 43 4.5b,4.2
NEIC I 11 07 06 30.2–2.5 8.90S 160.89E 60–17 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=18.7km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=11.4km az=145.9.
NEIC Event type se. Error ellipse: s-maj=36.8km s-min=16.0km az=112.0.
IDC I 11 18 58 19.8–1.0 10.65S 161.44E 0 4.1,4.0
¶12081056

IDC Error ellipse: s-maj=27.4km s-min=20.2km az=141.0.
ISC I 12 20 10 51.6–.80 9.97S–.08 160.5E–.10 37 4.3b,3.5s 40 1-96
IDC I 12 20 10 45.4–1.1 10.06S 160.62E 0 4.4,4.3 **¶12081137**

ISCJB I 12 20 10 49.5–.63 9.99S–.06 160.58E–.09 37 4.3b,3.5s
NEIC I 12 20 10 54.0–2.6 9.86S 160.39E 54–16 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=17.4km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.6km az=176.8.
NEIC Event type se. Error ellipse: s-maj=38.0km s-min=11.3km az=116.0.
ISC I 14 04 48 59.4–.26 6.49S–.04 155.77E–.04 179–1 5.2b 806 5-161
ISCJB I 14 04 48 56.9–.86 6.51S–.03 155.61E–.02 163–7 5.2b ¶13404847
MOS I 14 04 48 57.5–.87 6.39S 155.65E 164 5.3b
NEIC I 14 04 48 58.8–.12 6.47S 155.70E 170 5.2b
IDC I 14 04 48 58.5–.62 6.54S 155.71E 167–5 5.2,5.2
BJI I 14 04 48 59.4 6.29S 155.77E 185 5.1b,5.1b
DJA I 14 04 49 08 6.58S 155.46E 245 5.3W,5.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.9km az=171.8.
MOS Error ellipse: s-maj=8.8km s-min=6.1km az=94.4.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.7km az=111.0.
IDC Error ellipse: s-maj=14.3km s-min=10.4km az=99.0.
ISC I 14 06 14 20.6–.81 6.0S–.10 154.5E–.10 61 3.5b 21 8-152
ISCJB I 14 06 14 19.5–.62 6.09S–.09 154.45E–.09 61 3.7b ¶12081252
IDC I 14 06 14 22.7–4.6 6.10S 154.39E 83–41 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=9.8km az=140.7.
IDC Error ellipse: s-maj=31.7km s-min=26.0km az=17.0.
IDC I 15 15 32 39.2–3.9 8.07S 159.83E 0 4.3,4.1b
¶12081343

IDC Error ellipse: s-maj=108.2km s-min=28.3km az=106.0.
ISC I 15 16 14 58.7–.18 10.35S–.03 161.28E–.04 89 5.6b 1408 2-166
ISCJB I 15 16 14 58.4–.10 10.30S–.02 161.15E–.02 88 5.5b ¶13989123
IDC I 15 16 14 58.8–.40 10.43S 161.31E 88–2 5.2,5.2
BJI I 15 16 14 59.9 10.24S 161.55E 118 5.4b,5.3b
MOS I 15 16 15 00.4–.97 10.26S 161.17E 108 5.7b,4.7s
NEIC I 15 16 15 01.9–.72 10.33S 161.21E 114–6 5.7W,5.6b
DJA I 15 16 15 06 10.34S 161.40E 161 5.6W,5.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.8km az=175.4.
IDC Error ellipse: s-maj=14.7km s-min=10.5km az=105.0.
MOS Error ellipse: s-maj=7.6km s-min=6.6km az=86.6.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=4.0km az=160.0. Felt [III] at Honiara.
Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.31 $M_{\theta\theta}$-1.32 $M_{\phi\phi}$3.63 $M_{r\theta}$1.41 $M_{\theta\phi}$1.09 $M_{\phi r}$-1.05 Best double couple: NP1:ϕ_s341.00000°,δ62.00000°,λ-133.00000°. NP2:ϕ_s224.00000°,δ50.00000°,λ-38.00000°. Principal axes: T 3.9500,Plg7.0000° ,Azm99.0000°; N -0.3400,Plg36.0000°,Azm4.0000°; P -3.6200,Plg52.0000°,Azm199.0000° $M_0$3.80000×10^{17}
IDC I 17 02 59 51.0–4.4 6.85S 155.49E 0 4.1,4.0b
¶12081505

IDC Error ellipse: s-maj=129.7km s-min=33.7km az=119.0.
ISC I 19 10 40 58.0–1.5 6.3S–.10 154.78E–.06 77–14 4.1b 49 6-153
ISCJB I 19 10 40 53.9–1.9 6.34S–.09 154.82E–.07 55–18 4.8s,4.1b ¶12081744
NEIC I 19 10 40 56.5–1.3 6.38S 154.81E 66–13 4.6b,4.1b
IDC I 19 10 40 57.4–2.6 6.38S 154.89E 73–23 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=11.8km az=166.7.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.7km az=160.0.
IDC Error ellipse: s-maj=17.5km s-min=15.7km az=131.0.
IDC I 19 12 31 01.8–3.6 6.87S 155.21E 0 3.7,3.7
¶12081756

IDC Error ellipse: s-maj=110.5km s-min=26.9km az=114.0.
ISC I 23 02 48 16.0–.25 6.41S–.04 154.99E–.04 46 5.1b,4.3s 425 6-160
MOS I 23 02 48 13.6–.88 6.21S 154.84E 33 5.2b,4.3s ¶11616508
BJI I 23 02 48 14.3 6.40S 155.00E 46 5.3b,5.1s
ISCJB I 23 02 48 15.0–.19 6.35S–.03 154.92E–.03 46 5.1b,4.2s
NEIC I 23 02 48 16.2–.18 6.34S 154.95E 47 5.2b,4.2s
IDC I 23 02 48 16.3–.47 6.38S 154.82E 48–3 4.6,4.6
DJA I 23 02 48 21 6.49S 154.96E 89 5.4b,4.6
ISC Event type se.
MOS Error ellipse: s-maj=9.4km s-min=7.5km az=74.1.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=151.1.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.0km az=109.0.
IDC Error ellipse: s-maj=14.3km s-min=11.1km az=113.0.
ISC I 24 02 33 41.1–.47 10.51S–.06 161.64E–.07 107–3 4.7b 95 2-160
IDC I 24 02 33 39.5–.87 10.52S 161.58E 97–7 4.8s,4.8 ¶11657439
ISCJB I 24 02 33 40.2–.89 10.57S–.05 161.52E–.07 110–7 4.6b,4.8
NEIC I 24 02 33 42.1–1.0 10.39S 161.46E 116–9 4.4b,4.8
BJI I 24 02 33 42.3 9.90S 161.76E 113 4.8b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=10.4km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.5km az=155.8.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.2km az=109.0.
IDC I 24 13 13 16.9–1.9 6.46S 155.12E 48–8 3.6,3.4L
¶12082223

IDC Error ellipse: s-maj=52.3km s-min=21.8km az=120.0.
IDC I 24 14 36 45.9–2.9 6.55S 154.25E 0 3.6,3.4
¶12082231

IDC Error ellipse: s-maj=77.4km s-min=32.9km az=124.0.
IDC I 24 22 26 44.2–2.4 6.79S 156.42E 0 4.1,3.9b
¶12082257

IDC Error ellipse: s-maj=83.0km s-min=23.4km az=122.0.
IDC I 25 14 46 18.5–4.0 6.23S 154.75E 407–38 3.1,3.0
¶12082312

IDC Error ellipse: s-maj=43.7km s-min=20.3km az=114.0.
NEIC I 26 00 07 40.9–.92 9.52S 159.79E 32–8 4.3b
IDC I 26 00 07 36.7–.56 9.36S 159.76E 0 4.4,4.3 ¶12082332
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=10.5km az=114.0.
IDC Error ellipse: s-maj=20.3km s-min=7.2km az=22.0.
IDC I 26 15 33 31.6–1.9 9.66S 159.79E 0 4.0,3.8b
¶12082381

IDC Error ellipse: s-maj=67.9km s-min=10.0km az=137.0.
IDC I 28 15 40 13.8–5.5 6.55S 154.95E 61–45 4.1,3.9
¶12082585

IDC Error ellipse: s-maj=37.2km s-min=24.0km az=121.0.
IDC I 28 20 02 24.1–4.2 8.45S 158.86E 81–50 3.9s,3.9
¶12082606

IDC Error ellipse: s-maj=49.6km s-min=22.7km az=135.0.
IDC I 29 01 46 11.9–1.1 6.49S 156.25E 0 4.2,4.1b
NEIC I 29 01 46 29.7–.58 6.72S 156.14E 150 4.4b,4.1b ¶12082629
IDC Error ellipse: s-maj=35.5km s-min=21.0km az=107.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=9.7km az=109.0.
IDC I 29 19 37 55.7–1.8 7.54S 156.33E 0 4.2,4.0
¶12082687

IDC Error ellipse: s-maj=57.3km s-min=24.8km az=127.0.
IDC I 29 19 46 04.8–.67 7.41S 155.95E 50–6 3.8,3.8
¶12082688

IDC Error ellipse: s-maj=21.9km s-min=13.0km az=31.0.
IDC I 29 19 58 30.7–1.1 7.34S 155.99E 0 4.1,4.0
¶12082690

IDC Error ellipse: s-maj=29.0km s-min=26.2km az=51.0.
ISC I 31 06 00 08.6–.73 6.8S–.10 155.4E–.20 35 3.9b 40 24-153
ISCJB I 31 06 00 06.9–.74 6.9S–.20 155.5E–.20 35 3.9b ¶12082792
NEIC I 31 06 00 08.2–.44 6.86S 155.51E 35 4.2b
IDC I 31 06 00 08.7–1.2 6.81S 155.46E 36–7 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.1km s-min=12.5km az=41.7.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=9.1km az=133.0.
IDC Error ellipse: s-maj=29.3km s-min=18.1km az=125.0.
ISC I 31 23 08 55.5–.44 8.84S–.06 160.37E–.10 69 4.5b 88 1-159
ISCJB I 31 23 08 54.1–.33 8.85S–.05 160.34E–.07 69 4.4b ¶11677766
IDC I 31 23 08 54.2–1.2 8.76S 160.34E 55–10 4.4,4.3
NEIC I 31 23 08 54.5–1.1 8.78S 160.37E 60–10 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.4km az=4.5.
IDC Error ellipse: s-maj=20.8km s-min=14.3km az=110.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.2km az=142.0.
IDC II 01 13 27 46.3–3.7 10.29S 161.40E 85–25 4.0,3.9
¶15954829

IDC Error ellipse: s-maj=33.3km s-min=18.4km az=121.0.
IDC II 01 14 30 55.8–4.0 6.23S 154.51E 0 3.7,3.5
¶15954830

IDC Error ellipse: s-maj=108.9km s-min=29.1km az=109.0.
IDC II 04 22 50 50.6–4.5 9.82S 158.90E 26–44 3.8,3.7
¶15955026

IDC Error ellipse: s-maj=90.5km s-min=22.4km az=138.0.
IDC II 05 10 17 14.4–1.0 7.31S 158.36E 0 4.4L,4.0
¶15955062

IDC Error ellipse: s-maj=34.0km s-min=20.9km az=58.0.
IDC II 05 17 12 54.4–6.4 6.25S 154.31E 0 4.2L,4.1
¶15955077

IDC Error ellipse: s-maj=125.8km s-min=28.8km az=6.0.
IDC II 06 08 33 37.2–2.2 6.32S 156.78E 0 3.9,3.6
¶15955134

IDC Error ellipse: s-maj=98.1km s-min=32.7km az=134.0.
IDC II 08 18 18 13.8–1.4 7.78S 156.55E 0 3.8,3.8
¶15955226

IDC Error ellipse: s-maj=38.7km s-min=26.8km az=9.0.
IDC II 08 22 36 31.0–1.7 10.02S 160.75E 0 3.8,3.6
¶15955233

IDC Error ellipse: s-maj=35.9km s-min=27.0km az=95.0.
ISC II 10 19 40 45.2–.37 7.94S–.06 158.61E–.07 40–2 4.8b,3.5s 194 2-157
MOS II 10 19 40 44.9–.92 7.93S 158.60E 52 4.7b,3.5s ¶11670442
ISCJB II 10 19 40 45.5–1.4 8.01S–.06 158.59E–.06 59–14 4.7b,3.7s
BJI II 10 19 40 46.2 7.37S 158.53E 35 5.1s,5.1b
NEIC II 10 19 40 48.7–1.2 8.08S 158.67E 80–11 4.7b,5.1b
IDC II 10 19 40 49.1–1.8 8.12S 158.69E 84–20 4.2,4.2
ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=8.0km az=97.3.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=8.9km az=139.3.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=6.8km az=143.0. Felt at Gizo.
IDC Error ellipse: s-maj=17.9km s-min=13.4km az=149.0.
ISC II 13 07 47 12.5–.64 9.76S–.09 159.7E–.10 22 4.4b 32 0-97
ISCJB II 13 07 47 10.3–.55 9.80S–.08 159.6E–.10 22 4.6s,4.3b ¶12700473
IDC II 13 07 47 12.9–1.4 9.82S 159.77E 31–10 4.3,4.2
NEIC II 13 07 47 14.2–1.0 9.75S 159.82E 42–11 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=10.3km az=27.9.
IDC Error ellipse: s-maj=37.7km s-min=15.8km az=115.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=10.3km az=115.0.
IDC II 13 17 02 39.7–1.8 10.77S 162.65E 0 4.0L,3.9
¶15955966

IDC Error ellipse: s-maj=44.8km s-min=30.0km az=54.0.
IDC II 15 06 17 14.5–3.8 5.33S 154.29E 216–36 3.9,3.7
¶15956134

IDC Error ellipse: s-maj=22.5km s-min=18.6km az=48.0.
IDC II 15 17 49 28.7–1.2 8.82S 157.77E 0 3.8,3.6
¶15956174

IDC Error ellipse: s-maj=36.2km s-min=24.3km az=154.0.
ISC II 16 05 54 35.4–.33 6.94S–.05 155.31E–.04 86–2 5.0b 560 5-160
IDC II 16 05 54 23.8–.38 6.88S 155.46E 0 5.1,5.1 ¶13434674
MOS II 16 05 54 29.3–.87 6.66S 155.24E 33 5.2b,5.1
ISCJB II 16 05 54 32.5–1.0 6.85S–.05 155.29E–.03 70–9 5.0b,5.1
BJI II 16 05 54 33.0 6.52S 155.55E 75 5.2b,5.1s
NEIC II 16 05 54 35.0–.83 6.90S 155.31E 81–7 5.0b,5.1s
DJA II 16 05 54 40 6.74S 155.19E 106 5.1b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=11.7km az=110.0.
MOS Error ellipse: s-maj=8.9km s-min=7.2km az=92.6.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.8km az=178.6.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=5.2km az=166.0.
ISC II 16 05 59 30.8–.34 7.05S–.05 155.33E–.05 110–2 4.9b 340 5-160
IDC II 16 05 59 16.4–.44 6.85S 155.51E 0 4.9,4.9 ¶11678031
MOS II 16 05 59 21.6–1.2 6.62S 155.19E 33 5.1b,4.9
BJI II 16 05 59 27.7 7.02S 155.58E 113 5.2b,4.8b
ISCJB II 16 05 59 28.9–.20 6.96S–.04 155.26E–.03 102 4.8b,4.8b
NEIC II 16 05 59 29.0–.81 6.85S 155.30E 91–7 5.0b,4.8b
DJA II 16 06 00 09 7.12S 153.47E 375 4.8b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=12.7km az=104.0.
MOS Error ellipse: s-maj=10.9km s-min=9.1km az=86.1.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=4.6.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=5.4km az=170.0.
IDC II 16 11 17 20.5–7.2 5.61S 154.32E 174–41 3.8,3.8
¶15956265

IDC Error ellipse: s-maj=83.8km s-min=23.3km az=12.0.
ISC II 16 15 02 45.0–.83 8.72S–.08 157.72E–.08 36–3 4.7b,4.2s 134 2-156
ISCJB II 16 15 02 39.8–1.7 8.55S–.06 157.61E–.06 9–11 4.7b,4.2s ¶11678047
IDC II 16 15 02 39.5–.55 8.67S 157.66E 0 4.6,4.6
BJI II 16 15 02 44.2 8.42S 157.59E 32 5.2b,5.1s
NEIC II 16 15 02 44.9–.30 8.58S 157.65E 35 5.0b,5.1s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=9.2km az=138.6.
IDC Error ellipse: s-maj=18.3km s-min=14.7km az=115.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=7.3km az=125.0. Felt on Rendova.
IDC II 16 15 42 28.7–.93 8.46S 157.53E 0 4.2L,4.0
¶15956284

IDC Error ellipse: s-maj=26.2km s-min=20.6km az=160.0.
IDC II 17 01 33 25.4–1.2 8.34S 157.47E 0 4.1L,3.9
¶15956384

IDC Error ellipse: s-maj=31.1km s-min=24.8km az=174.0.
IDC II 17 01 39 22.0–2.4 10.22S 159.80E 0 3.7,3.5
¶15956385

IDC Error ellipse: s-maj=78.3km s-min=16.8km az=118.0.
ISC II 17 10 27 45.2–1.1 6.83S–.08 155.37E–.06 70–10 4.5b 123 5-153
ISCJB II 17 10 27 43.2–1.5 6.85S–.07 155.35E–.04 65–15 4.5b ¶11789786
IDC II 17 10 27 45.0–2.7 6.83S 155.34E 67–23 4.3,4.3
NEIC II 17 10 27 47.5–1.1 6.91S 155.34E 92–10 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=6.9km az=173.5.
IDC Error ellipse: s-maj=19.3km s-min=13.6km az=107.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.0km az=146.0.
IDC II 17 10 58 12.9–6.5 8.30S 156.31E 89–53 3.9,3.9
¶15956401

IDC Error ellipse: s-maj=48.3km s-min=19.9km az=101.0.
ISC II 18 02 32 36.2–.53 8.5S–.10 157.61E–.06 16 4.3b,3.3s 45 2-145
IDC II 18 02 32 33.7–.77 8.50S 157.61E 0 4.4,4.3 ¶12701088
ISCJB II 18 02 32 34.8–.40 8.49S–.08 157.58E–.06 16 4.4b,3.5s
NEIC II 18 02 32 38.9–1.5 8.54S 157.65E 37–15 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=18.4km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.6km az=170.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=6.4km az=155.0.
ISC II 18 02 34 16.2–.71 8.4S–.10 157.38E–.07 16 4.1b 26 3-96
IDC II 18 02 34 13.9–1.2 8.31S 157.32E 0 4.9s,4.9 ¶12701089
ISCJB II 18 02 34 15.0–.49 8.35S–.09 157.39E–.07 16 4.9s,4.0b
NEIC II 18 02 34 20.7–2.5 8.47S 157.51E 52–26 4.4b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=64.8km s-min=21.9km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.9km az=168.7.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=8.5km az=149.0.
IDC II 20 18 40 37.1–5.8 5.55S 154.07E 48–50 3.7,3.5
¶15956827

IDC Error ellipse: s-maj=42.6km s-min=28.5km az=106.0.
IDC II 22 00 06 18.9–3.8 5.17S 154.35E 408–42 3.4,3.3
¶15956909

IDC Error ellipse: s-maj=42.3km s-min=19.5km az=113.0.
IDC II 22 15 11 47.9–.90 9.32S 158.93E 0 3.8,3.7
¶15956949

IDC Error ellipse: s-maj=28.6km s-min=16.0km az=174.0.
IDC II 23 07 50 35.6–.97 5.98S 154.33E 54–8 3.7,3.6
¶15957044

IDC Error ellipse: s-maj=18.5km s-min=15.1km az=14.0.
IDC II 23 15 53 48.6–2.4 10.76S 161.23E 0 3.6,3.5
¶15957067

IDC Error ellipse: s-maj=50.5km s-min=28.8km az=87.0.
IDC II 24 00 38 11.2–3.8 6.91S 155.24E 0 4.0,3.9b
¶15957125

IDC Error ellipse: s-maj=109.8km s-min=33.6km az=118.0.
ISC II 25 00 25 52.4–.73 6.8S–.10 156.2E–.10 155–5 4.2b 63 9-161
IDC II 25 00 25 53.1–.88 6.76S 156.03E 156–6 4.0,3.9 **¶12701788**
ISCJB II 25 00 25 54.2–2.0 6.82S–.09 156.3E–.10 189–16 4.0b,3.9
NEIC II 25 00 25 57.5–2.4 6.83S 156.14E 201–20 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=10.4km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=11.3km az=35.2.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=11.5km az=97.0.
IDC II 25 18 16 20.6–2.7 10.80S 163.41E 0 3.9,3.7L
¶15957266

IDC Error ellipse: s-maj=60.3km s-min=37.7km az=79.0.
ISC II 25 21 56 00.8–.75 10.76S–.08 161.76E–.10 29–5 3.8b,3.7s 32 2-94
ISCJB II 25 21 56 01.0–1.7 10.86S–.08 161.7E–.10 44–15 3.8b,3.7s **¶12701865**
IDC II 25 21 56 01.0–1.2 10.71S 161.66E 28–5 3.9,3.9L
NEIC II 25 21 56 03.4–1.1 10.80S 161.66E 51–10 4.3b,3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.0km s-min=10.7km az=149.8.
IDC Error ellipse: s-maj=37.2km s-min=23.8km az=138.0.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=10.3km az=64.0. Felt on San Cristobal.
ISC II 25 22 01 31.1–.88 6.5S–.10 155.1E–.10 45–7 4.6b 66 8-153
ISCJB II 25 22 01 29.2–3.4 6.4S–.10 155.0E–.10 39–29 4.2b **¶12701866**
IDC II 25 22 01 31.2–.99 6.47S 155.01E 42–8 4.1,4.0
NEIC II 25 22 01 32.9–2.1 6.50S 154.95E 59–18 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=17.5km az=43.8.
IDC Error ellipse: s-maj=26.4km s-min=14.5km az=135.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.8km az=103.0.
ISC III 01 18 59 09.5–.54 10.99S–.07 161.36E–.09 28 4.1b,4.0s 40 2-97
ISCJB III 01 18 59 08.0–.47 11.01S–.06 161.31E–.07 28 4.1b,4.0s **¶12702209**
NEIC III 01 18 59 10.8–1.2 10.90S 161.30E 37–12 4.6b,4.0s
IDC III 01 18 59 12.5–5.5 11.04S 161.35E 51–54 4.0,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=7.8km az=146.2.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.8km az=174.0.
IDC Error ellipse: s-maj=31.6km s-min=20.0km az=155.0.
IDC III 02 16 09 32.5–3.8 8.26S 156.07E 0 4.1s,4.1
¶12702280

IDC Error ellipse: s-maj=109.5km s-min=30.8km az=116.0.
IDC III 02 18 40 12.2–1.2 10.29S 161.46E 87–8 3.7,3.6
¶12702291

IDC Error ellipse: s-maj=21.3km s-min=13.1km az=37.0.
IDC III 05 07 07 58.2–8.6 7.59S 156.67E 67–63 3.8,3.7
¶12702478

IDC Error ellipse: s-maj=88.1km s-min=30.7km az=114.0.
IDC III 05 07 38 53.5–7.8 6.63S 154.82E 47–63 3.5,3.4L
¶12702481

IDC Error ellipse: s-maj=90.4km s-min=32.9km az=114.0.
IDC III 05 18 57 24.4–1.0 6.69S 154.69E 0 4.0,3.9
¶12702510

IDC Error ellipse: s-maj=37.5km s-min=20.3km az=110.0.
IDC III 05 20 07 28.7–8.9 6.74S 154.62E 99–83 3.6,3.5L
¶12702517

IDC Error ellipse: s-maj=36.0km s-min=31.3km az=6.0.
ISC III 06 19 19 31.8–.32 10.88S–.04 162.46E–.04 96–2 4.9b 350 3-161
DJA III 06 19 19 22.8–.60 12S–7.0 163E–8.0 10 5.9b,5.5 **¶15153077**
IDC III 06 19 19 28.8–.54 10.77S 162.39E 70–4 4.6,4.6
NEIC III 06 19 19 31.4–.85 10.74S 162.39E 96–7 5.1b,4.6
GCMT III 06 19 19 31.2–.10 10.68S 162.41E 74–1 5.3W,4.6
ISCJB III 06 19 19 31.5–.82 10.81S–.03 162.36E–.03 102–7 4.9b,4.6
MOS III 06 19 19 31.7–1.0 10.78S 162.37E 109 5.0b,4.6
BJI III 06 19 19 32.3 10.50S 162.36E 98 5.1b,4.8b
AUST III 06 19 19 38.8–1.9 10.68S 162.42E 169–0 5.1b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=11.3km az=123.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=5.4km az=150.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s71,c124; s88,c163;
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19±.02 $M_{\theta\theta}$-0.87±.02; $M_{\phi\phi}$1.05±.02; $M_{r\theta}$0.44±.02;
$M_{\theta\phi}$-0.55±.02; $M_{\phi r}$-0.15±.02; Best double couple: NP1:ϕ_s209.00000°,δ67.00000°,λ-8.00000°.
NP2:ϕ_s302.00000°,δ82.00000°,λ-157.00000°. Principal axes: T 1.2500,Plg11.0000°
,Azm73.0000°; N -0.0800,Plg65.0000°,Azm319.0000°; P -1.1700,Plg22.0000°
,Azm167.0000° $M_0$1.20000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=5.1km az=148.9.
MOS Error ellipse: s-maj=9.3km s-min=8.6km az=11.5.
AUST Error ellipse: s-maj=1.1km s-min=0.9km az=26.0.
ISC III 06 21 08 05.8–.64 10.81S–.07 162.70E–.10 63–4 4.4b 59 3-96
IDC III 06 21 08 06.6–.78 10.77S 162.43E 66–5 4.1,4.0 **¶12702590**
NEIC III 06 21 08 06.8–.62 10.69S 162.57E 69 4.5b,4.0
AUST III 06 21 09 05.6–3.2 12.69S 159.80E 442–0 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=13.3km az=114.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=12.7km az=95.0.
AUST Error ellipse: s-maj=2.4km s-min=1.6km az=3.0.
IDC III 07 20 13 01.8–4.0 7.98S 158.36E 0 4.0,3.8b
¶12702662

IDC Error ellipse: s-maj=106.2km s-min=41.7km az=105.0.
ISC III 09 04 37 04.4–.55 6.92S–.09 155.68E–.09 50 4.2b,3.8s 62 9-154
IDC III 09 04 36 57.7–.71 6.92S 155.58E 0 4.4,4.3 **¶15153121**
ISCJB III 09 04 37 02.7–.52 6.90S–.06 155.63E–.08 50 4.2b,3.8s
AUST III 09 04 37 02.8 6.52S 155.67E 60 4.2b,3.8s
NEIC III 09 04 37 05.9–1.5 6.94S 155.53E 62–12 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=15.6km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.7km az=33.4.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.4km az=79.0.
ISC III 09 16 14 08.6–.58 6.84S–.09 155.23E–.07 41 4.0b,3.2s 25 5-153
AUST III 09 16 14 02.4 5.59S 155.13E 60 4.0b,3.2s **¶15153125**
ISCJB III 09 16 14 06.6–.46 6.87S–.07 155.23E–.05 41 4.0b,3.2s
IDC III 09 16 14 12.1–2.1 7.06S 155.26E 82–21 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.8km az=174.3.
IDC Error ellipse: s-maj=18.3km s-min=12.5km az=173.0.
IDC III 10 01 14 01.8–1.1 6.87S 155.23E 0 4.0,3.9
¶12702832

IDC Error ellipse: s-maj=40.9km s-min=22.9km az=134.0.
IDC III 10 06 42 35.2–5.3 6.24S 154.58E 84–44 3.7,3.7
¶12702852

IDC Error ellipse: s-maj=32.0km s-min=21.2km az=92.0.
IDC III 10 16 34 58.5–2.6 10.32S 161.14E 75–18 3.6,3.5
¶12702889

IDC Error ellipse: s-maj=33.5km s-min=17.5km az=70.0.
IDC III 11 08 05 25.1–2.4 6.07S 154.99E 233–24 3.6,3.5
¶12702957

IDC Error ellipse: s-maj=19.9km s-min=14.1km az=121.0.
IDC III 11 10 21 22.2–.96 8.77S 157.46E 0 4.1,3.9
¶12702963

IDC Error ellipse: s-maj=35.2km s-min=20.8km az=167.0.
ISC III 12 15 13 23.8–.40 9.84S–.04 159.95E–.06 33–1 5.1b,4.1s 428 0-165
IDC III 12 15 13 18.8–.56 9.81S 159.87E 0 5.0,5.0 **¶11876102**
ISCJB III 12 15 13 20.7–1.7 9.79S–.04 159.77E–.03 17–11 5.0b,4.1s
GCMT III 12 15 13 22.7–.40 10.23S 160.07E 29–1 5.0W,4.1s
BJI III 12 15 13 22.4 9.63S 159.99E 30 5.2b,5.1s
MOS III 12 15 13 23.7–1.4 9.66S 159.59E 33 5.3b,5.1s
NEIC III 12 15 13 24.2–.22 9.81S 159.82E 35 5.0b,5.1s
DJA III 12 15 13 40.5–3.6 10S–9.0 160E–26 160–19 5.5b,4.9
ISC Event type fe.
ISCJB Event type fe.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s31,c34; s64,c73;
Moment tensor: Scale 10^{16}Nm; M_{rr}3.05±.21 $M_{\theta\theta}$-2.09±.15; $M_{\phi\phi}$-0.96±.16; $M_{r\theta}$1.90±.20;
$M_{\theta\phi}$1.69±.09; $M_{\phi r}$0.19±.20; Best double couple: NP1:ϕ_s324.00000°,δ36.00000°,λ122.00000°.
NP2:ϕ_s107.00000°,δ60.00000°,λ69.00000°. Principal axes: T 3.7900,Plg68.0000°
,Azm335.0000°; N -0.1500,Plg18.0000°,Azm117.0000°; P -3.6300,Plg13.0000°
,Azm211.0000° $M_0$3.70000×10^{16}
NEIC Event type fe. Felt at Honiara.
IDC III 12 19 47 05.7–6.1 8.36S 155.61E 0 3.7,3.5b
¶12703104

IDC Error ellipse: s-maj=101.0km s-min=76.1km az=13.0.
IDC III 13 00 01 57.0–4.3 5.64S 154.38E 157–38 3.5,3.4
¶12703121

IDC Error ellipse: s-maj=29.7km s-min=19.8km az=50.0.
IDC III 13 16 08 27.2–.75 9.44S 159.13E 519–8 3.2,3.1
¶12703183

IDC Error ellipse: s-maj=30.4km s-min=15.4km az=122.0.
ISC III 14 07 25 16.0–.76 8.1S–.10 159.1E–.10 55 3.6b 20 2-95
IDC III 14 07 25 08.8–.99 8.05S 159.06E 0 4.2s,4.2 **¶12703234**
NEIC III 14 07 25 13.8–.55 8.12S 159.11E 35 4.2b,4.2
ISCJB III 14 07 25 14.7–.65 8.14S–.09 158.99E–.10 55 4.2s,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC III 16 04 33 46.7–2.0 6.4S–.30 154.4E–.30 48 3.3b 14 6-152
IDC III 16 04 33 40.0–2.0 6.14S 154.38E 0 3.7,3.6 **¶12703397**
ISC Event type ke.
IDC Error ellipse: s-maj=83.1km s-min=27.6km az=129.0.
IDC III 17 09 49 54.6–2.5 11.08S 162.31E 59–21 4.1L,3.8
¶12599163

IDC Error ellipse: s-maj=20.2km s-min=13.6km az=78.0.
IDC III 18 15 12 08.7–23 8.68S 158.56E 0 4.1,4.0
¶12703594

IDC Error ellipse: s-maj=383.4km s-min=76.0km az=54.0.
ISC III 18 20 20 18.7–.41 6.22S–.06 154.90E–.05 53–3 4.5b,3.4s 102 6-153
ISCJB III 18 20 20 18.8–1.5 6.28S–.07 154.93E–.05 66–14 4.2b,3.4s **¶15153251**
NEIC III 18 20 20 18.4–.38 6.27S 154.92E 50 4.5b,3.4s
IDC III 18 20 20 18.3–.54 6.28S 154.93E 50–4 4.2,4.2
AUST III 18 20 20 21.5–1.1 6.31S 154.88E 75–0 4.2,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=7.5km az=1.5.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=9.0km az=73.0.
IDC Error ellipse: s-maj=16.0km s-min=13.4km az=84.0.
AUST Error ellipse: s-maj=2.0km s-min=1.3km az=3.0.
IDC III 20 14 23 55.2–.88 8.06S 157.05E 0 4.5,4.2b
¶12703824

IDC Error ellipse: s-maj=42.6km s-min=20.3km az=130.0.
IDC III 21 01 30 41.6–19 5.03S 155.03E 588–250 3.3,3.1b
¶12635143

IDC Error ellipse: s-maj=113.7km s-min=60.9km az=49.0.
IDC III 21 22 50 44.0–2.2 6.71S 154.94E 0 3.8,3.7
¶12635234

IDC Error ellipse: s-maj=62.9km s-min=30.9km az=126.0.
IDC III 22 18 31 36.5–2.7 5.50S 154.27E 426–24 3.2,3.1
¶12635314

IDC Error ellipse: s-maj=38.9km s-min=13.1km az=118.0.
IDC III 23 20 43 21.8–5.0 7.25S 155.34E 0 3.4,3.3b
¶12635418

IDC Error ellipse: s-maj=139.0km s-min=40.7km az=118.0.
IDC III 25 14 19 18.6–1.4 6.60S 155.22E 0 3.9,3.8
¶12635564

IDC Error ellipse: s-maj=47.9km s-min=23.6km az=124.0.
IDC III 26 07 20 40.2–1.6 7.03S 155.52E 0 4.1,3.9
¶12635623

IDC Error ellipse: s-maj=54.6km s-min=23.1km az=132.0.
IDC III 26 11 40 14.2–1.8 6.77S 154.97E 0 3.9,3.7
¶12635635

IDC Error ellipse: s-maj=62.2km s-min=26.5km az=132.0.
IDC III 27 05 18 34.9–5.7 6.42S 154.38E 60–48 3.8,3.7
¶12635677

IDC Error ellipse: s-maj=37.5km s-min=25.6km az=111.0.
ISC III 27 07 35 23.8–.79 6.7S–.10 155.1E–.20 56 4.1b 31 6-153
IDC III 27 07 35 16.6–.96 6.57S 154.96E 0 4.3,4.0 **¶12635689**
ISCJB III 27 07 35 22.2–.99 6.8S–.20 155.1E–.20 56 3.9b,3.4s
NEIC III 27 07 35 28.8–3.3 6.58S 154.80E 92–27 4.2b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=21.0km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=31.9km s-min=14.2km az=40.5.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=19.5km az=109.0.
IDC III 28 18 16 23.1–1.0 10.42S 161.44E 72–8 3.8,3.5b
¶12635791

IDC Error ellipse: s-maj=21.1km s-min=12.9km az=42.0.
ISC III 31 02 33 00.7–.44 6.80S–.05 155.18E–.05 53–3 4.9b,4.2s 429 5-160
SZGRF III 31 02 32 56.3 7.07S 155.59E 33 4.9b,4.2s **¶15153488**
ISCJB III 31 02 32 56.4–1.6 6.70S–.04 155.09E–.03 26–11 5.0b,4.2s
BJI III 31 02 32 56.9 6.85S 155.43E 49 5.1b,5.0s
MOS III 31 02 32 57.7–.99 6.68S 155.09E 34 5.2b,5.0s
GCMT III 31 02 33 00.5–.30 7.05S 155.06E 37–0 5.0W,5.0s
NEIC III 31 02 33 01.5–.94 6.79S 155.09E 60–8 5.0b,5.0s
IDC III 31 02 33 01.2–1.8 6.73S 155.10E 55–15 4.7,4.7
AUST III 31 02 33 09.7–.60 7.08S 154.78E 111–0 4.7,4.7
ISC Event type se.
SZGRF Bougainville - Solomon Islands region.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=166.6.
MOS Error ellipse: s-maj=8.6km s-min=7.7km az=84.6.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s57,c64; s57,c68;
Moment tensor: Scale 10^{16}Nm; M_{rr}3.69±.20 $M_{\theta\theta}$-2.66±.14; $M_{\phi\phi}$-1.03±.15; $M_{r\theta}$1.00±.15;
$M_{\theta\phi}$2.37±.11; $M_{\phi r}$-1.14±.16; Best double couple: NP1:ϕ_s299.00000°,δ35.00000°,λ80.00000°.
NP2:ϕ_s131.00000°,δ55.00000°,λ97.00000°. Principal axes: T 3.9900,Plg78.0000°
,Azm66.0000°; N 0.6300,Plg6.0000°,Azm307.0000°; P -4.6100,Plg10.0000°,Azm216.0000°
$M_0$4.30000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.6km az=173.0.
IDC Error ellipse: s-maj=12.5km s-min=10.1km az=103.0.
AUST Error ellipse: s-maj=1.5km s-min=1.0km az=9.0.
IDC IV 01 01 27 21.7–1.1 6.75S 155.50E 0 3.8,3.6
¶16152201

IDC Error ellipse: s-maj=53.2km s-min=25.4km az=123.0.
IDC IV 01 18 25 40.4–16 6.49S 155.56E 332–182 3.2,3.0
¶16152235

IDC Error ellipse: s-maj=78.7km s-min=52.1km az=150.0.
IDC IV 02 04 17 34.6–2.8 9.08S 158.96E 0 4.0,3.8
¶16152257

IDC Error ellipse: s-maj=97.2km s-min=34.4km az=135.0.
IDC IV 02 14 00 35.3–9.7 6.47S 155.26E 51–71 3.6,3.5
¶16152271

IDC Error ellipse: s-maj=68.5km s-min=30.1km az=96.0.
IDC IV 04 17 31 36.1–1.1 8.39S 158.33E 165–8 3.8,3.6
¶16152379

IDC Error ellipse: s-maj=25.7km s-min=14.1km az=117.0.
IDC IV 05 06 30 27.5–.88 5.02S 154.81E 69–7 4.1,4.0
¶16152404

IDC Error ellipse: s-maj=20.5km s-min=13.8km az=126.0.
IDC IV 05 10 38 34.9–1.6 7.38S 156.24E 0 4.0,3.8
¶16152411

IDC Error ellipse: s-maj=57.7km s-min=25.0km az=128.0.
IDC IV 05 17 12 43.7–4.4 4.42S 154.76E 426–47 3.0,2.9
¶16152422

IDC Error ellipse: s-maj=85.1km s-min=29.9km az=125.0.
IDC IV 07 14 18 27.8–9.1 6.04S 154.87E 293–80 3.3,3.1
¶16152509

IDC Error ellipse: s-maj=171.5km s-min=30.2km az=125.0.
ISC IV 08 02 23 45.1–.44 10.68S–.06 161.99E–.07 54 4.4b,3.8s 71 2-127
NEIC IV 08 02 23 43.9–.37 10.71S 161.97E 34 4.6b,3.8s **¶15153610**
IDC IV 08 02 23 43.9–.68 10.72S 161.82E 33–5 4.6L,4.4
ISCJB IV 08 02 23 44.5–.40 10.83S–.05 161.95E–.06 54 4.3b,3.7s
AUST IV 08 02 24 48.3 12.59S 158.84E 450 4.3b,3.7s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.3km az=121.0.
IDC Error ellipse: s-maj=21.9km s-min=14.7km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.5km az=148.3.
IDC IV 08 03 44 09.2–.92 9.66S 156.09E 0 4.2,4.0
¶16152531

IDC Error ellipse: s-maj=38.7km s-min=20.3km az=123.0.
IDC IV 09 07 23 48.2–2.1 6.12S 154.91E 0 3.9,3.8
¶16152577

IDC Error ellipse: s-maj=95.5km s-min=29.8km az=127.0.
ISC IV 10 13 21 51.2–.29 8.93S–.05 159.79E–.05 126–1 4.8b 379 1-158
BJI IV 10 13 21 45.1 9.21S 160.42E 125 4.9b,4.9b **¶15153661**
MOS IV 10 13 21 49.2–.93 8.87S 159.57E 116 5.1b,4.9b
IDC IV 10 13 21 50.7–.32 8.94S 159.77E 120–2 4.6,4.6
ISCJB IV 10 13 21 50.4–.15 8.90S–.04 159.56E–.03 123 4.9b,4.6
NEIC IV 10 13 21 51.1–.19 8.89S 159.63E 121 5.0b,4.6
AUST IV 10 13 22 09.6 9.15S 159.53E 300 5.0b,4.6
DJA IV 10 13 22 19.1–2.7 9S–10 159E–15 365–26 5.3b,4.7
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Honiara.
IDC IV 10 18 06 56.5–5.5 8.35S 159.52E 56–70 3.2,3.1
¶16152633

IDC Error ellipse: s-maj=69.1km s-min=34.6km az=121.0.
IDC IV 11 18 56 15.1–5.5 8.34S 158.40E 75–69 3.6,3.5
¶16152678

IDC Error ellipse: s-maj=53.4km s-min=34.1km az=115.0.
IDC IV 12 09 00 30.1–3.7 8.48S 159.15E 98–48 3.5,3.3
¶16152698

IDC Error ellipse: s-maj=67.5km s-min=24.8km az=140.0.
IDC IV 15 17 07 28.3–4.8 6.14S 154.03E 82–43 3.5,3.5L
¶16152818

IDC Error ellipse: s-maj=31.6km s-min=27.7km az=179.0.
IDC IV 15 17 43 09.5–6.1 6.10S 154.12E 60–58 3.4,3.3
¶16152819

IDC Error ellipse: s-maj=40.8km s-min=31.1km az=11.0.
ISC IV 15 18 26 34.1–.30 5.83S–.04 154.12E–.04 39–2 5.2b,4.7s 308 7-159
BJI IV 15 18 26 29.4 6.14S 154.52E 39 5.4b,5.1b **¶15153733**
AUST IV 15 18 26 31.2–2.0 5.90S 154.13E 15–0 5.4b,5.1b
MOS IV 15 18 26 32.1–1.1 5.75S 154.02E 33 5.2b,5.1b
ISCJB IV 15 18 26 32.8–.93 5.89S–.03 154.11E–.03 43–8 5.1b,4.7s
NEIC IV 15 18 26 34.2–.63 5.83S 154.06E 41–6 5.2b,4.7s
IDC IV 15 18 26 34.1–1.9 5.86S 154.13E 42–16 4.7,4.7
GCMT IV 15 18 26 36.4–.20 6.05S 154.08E 36–0 5.3W,4.7
DJA IV 15 18 26 40.9–1.0 6S–5.0 154E–5.0 84–10 6.2,5.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s74,c111; s88,c136; Moment tensor: Scale 10^{17}Nm; M_{rr}1.07±.03 $M_{\theta\theta}$-0.35±.02; $M_{\phi\phi}$-0.72±.02; $M_{r\theta}$-0.31±.02; $M_{\theta\phi}$0.66±.02; $M_{\phi r}$-0.04±.02; Best double couple: NP1:ϕ_s158.00000°,δ43.00000°,λ112.00000°. NP2:ϕ_s309.00000°,δ51.00000°,λ71.00000°. Principal axes: T 1.1500,Plg75.0000° ,Azm157.0000°; N 0.0800,Plg15.0000°,Azm321.0000°; P -1.2300,Plg4.0000°,Azm52.0000° $M_0$1.20000×10^{17}
ISC IV 15 18 32 05.9–.65 5.83S–.10 154.18E–.09 48 4.0b 30 7-152
IDC IV 15 18 31 58.6–.98 5.86S 154.33E 0 4.4,4.3 **¶16152820**
ISCJB IV 15 18 32 04.3–.53 5.90S–.07 154.18E–.07 48 4.1b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC IV 15 18 40 23.1–4.7 6.17S 154.17E 69–42 4.0L,3.6
¶16152821

IDC Error ellipse: s-maj=30.6km s-min=25.1km az=27.0.
IDC IV 15 23 32 46.5–1.8 6.67S 154.61E 0 4.0,3.9
¶16152827

IDC Error ellipse: s-maj=59.2km s-min=22.5km az=130.0.
ISC IV 16 00 43 25.7–.31 6.51S–.04 154.26E–.04 45–1 5.7s,5.2b 728 8-171
IDC IV 16 00 43 18.8–.40 6.41S 154.14E 0 5.5,5.5s **¶15153745**
NEIC IV 16 00 43 20.7–.17 6.48S 154.15E 10 5.8s,5.7W
BJI IV 16 00 43 22.4 6.25S 154.96E 44 5.8s,5.7b
MOS IV 16 00 43 23.7–1.3 6.40S 154.02E 33 5.6s,5.5b
ISCJB IV 16 00 43 24.5–.13 6.46S–.03 154.20E–.02 43 5.7s,5.3b
GCMT IV 16 00 43 26.9–.10 6.78S 154.17E 13–0 5.8W,5.3b
DJA IV 16 00 43 31.9–.90 7S–5.0 154E–5.0 67–10 6.0b,5.8
AUST IV 16 00 43 31.6 6.57S 154.16E 100 6.0b,5.8
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=11.2km az=87.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.1km az=121.0.
MOS Error ellipse: s-maj=9.1km s-min=6.4km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=169.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=105, comp=232, per= 50. Moment Tensor Solution. s106,c208; s71,c77; Moment tensor: Scale 10^{17}Nm; M_{rr}4.59±.05 $M_{\theta\theta}$-2.48±.04; $M_{\phi\phi}$-2.11±.04; $M_{r\theta}$2.76±.12; $M_{\theta\phi}$2.33±.03; $M_{\phi r}$-1.73±.11; Best double couple: NP1:ϕ_s319.00000°,δ28.00000°,λ101.00000°. NP2:ϕ_s127.00000°,δ63.00000°,λ84.00000°. Principal axes: T 5.6500,Plg72.0000°,Azm24.0000°; N -0.0100,Plg5.0000°,Azm129.0000° ; P -5.6400,Plg17.0000°,Azm221.0000° $M_0$5.70000×10^{17}
IDC IV 16 11 30 31.9–3.5 6.45S 155.21E 209–35 3.7,3.6
¶16152839

IDC Error ellipse: s-maj=21.0km s-min=20.6km az=175.0.
ISC IV 16 12 19 13.5–.73 6.14S–.08 154.62E–.07 44–6 4.0b,3.5s 71 6-152
AUST IV 16 12 18 59.1 5.10S 155.61E 35 4.0b,3.5s **¶15153752**
NEIC IV 16 12 19 09.0–.48 5.99S 154.58E 10 4.5b,3.5s
ISCJB IV 16 12 19 12.2–1.9 6.15S–.08 154.55E–.06 46–17 4.0b,3.5s
IDC IV 16 12 19 12.9–.68 6.12S 154.57E 39–5 4.2L,4.1
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=11.0km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=9.5km az=177.7.
IDC Error ellipse: s-maj=18.3km s-min=13.9km az=85.0.
IDC IV 16 12 51 19.7–1.5 6.66S 154.62E 0 4.0,3.8
¶16152842

IDC Error ellipse: s-maj=51.7km s-min=20.0km az=119.0.
IDC IV 17 00 32 25.4–.93 6.29S 154.20E 0 4.1,4.0
¶16152871

IDC Error ellipse: s-maj=30.0km s-min=19.4km az=124.0.
IDC IV 17 14 06 34.8–1.7 6.95S 154.92E 0 3.7,3.6
¶16152917

IDC Error ellipse: s-maj=64.0km s-min=22.1km az=126.0.
ISC IV 17 16 11 56.0–.24 9.25S–.03 159.01E–.03 519–2 5.2b 850 1-164
BJI IV 17 16 11 54.3 9.04S 159.29E 520 5.0b,4.9b **¶15153768**
ISCJB IV 17 16 11 55.7–.38 9.26S–.02 158.87E–.02 522–4 5.2b,4.9b
NEIC IV 17 16 11 56.2–.13 9.23S 159.00E 524 4.9b,4.9b
IDC IV 17 16 11 56.4–.28 9.23S 158.97E 521–2 4.7,4.6
GCMT IV 17 16 11 59.0–.30 9.29S 158.95E 522–2 5.4W,4.6
DJA IV 17 16 11 59.3–.80 9S–3.0 159E–5.0 555–8 5.6b,5.5b
AUST IV 17 16 12 01.3 9.12S 159.03E 600 5.6b,5.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.1km az=8.7.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=114.0.
IDC Error ellipse: s-maj=7.9km s-min=5.9km az=73.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s73,c111; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.16±.05 $M_{\theta\theta}$1.41±.08; $M_{\phi\phi}$-0.25±.09; $M_{r\theta}$0.55±.10; $M_{\theta\phi}$0.65±.08; $M_{\phi r}$-0.80±.10; Best double couple: NP1:ϕ_s42.00000°,δ49.00000°,λ-138.00000°. NP2:ϕ_s281.00000°,δ60.00000°,λ-49.00000°. Principal axes: T 1.6600,Plg6.0000° ,Azm344.0000°; N 0.1600,Plg34.0000°,Azm78.0000°; P -1.8300,Plg55.0000°,Azm245.0000° $M_0$1.80000×10^{17}
IDC IV 17 19 00 21.0–1.5 9.27S 158.83E 516–22 2.8,2.8
¶16152940

IDC Error ellipse: s-maj=73.6km s-min=27.0km az=113.0.
IDC IV 18 01 00 10.7–1.3 9.61S 159.67E 0 4.0,3.7b
¶16152960

IDC Error ellipse: s-maj=104.1km s-min=11.6km az=150.0.
ISC IV 18 11 09 22.4–.58 6.68S–.10 154.39E–.08 48 3.9b,3.3s 40 6-152
IDC IV 18 11 09 15.9–.82 6.55S 154.35E 0 4.1,4.0 **¶12935553**
NEIC IV 18 11 09 17.4–.45 6.54S 154.35E 10 4.6b,4.0
ISCJB IV 18 11 09 20.3–.51 6.66S–.08 154.38E–.07 48 3.9b,3.3s
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
IDC IV 18 11 26 16.1–1.6 6.66S 154.70E 0 3.8,3.7
¶16152983

IDC Error ellipse: s-maj=59.0km s-min=20.4km az=129.0.
IDC IV 18 16 06 22.5–1.2 6.58S 155.15E 0 3.8L,3.6
¶16152996

IDC Error ellipse: s-maj=30.1km s-min=26.5km az=179.0.
ISC IV 22 10 38 14.6–.51 8.63S–.08 157.17E–.07 17–2 4.7b,4.0s 81 3-156
BJI IV 22 10 38 10.4 8.27S 157.77E 9 5.4b,5.0s **¶12742298**
ISCJB IV 22 10 38 11.4–.34 8.58S–.06 157.25E–.06 13 4.6b,3.9s
IDC IV 22 10 38 11.7–.64 8.42S 157.02E 0 4.5,4.4
NEIC IV 22 10 38 12.0–.34 8.55S 157.24E 10 4.7b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=8.3km az=160.0.
IDC Error ellipse: s-maj=22.5km s-min=17.1km az=109.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.9km az=79.0.
ISC IV 23 07 54 19.1–.41 6.98S–.07 154.23E–.05 35 4.5b,4.0s 89 6-152
IDC IV 23 07 54 12.9–.65 7.15S 154.32E 0 4.6,4.5 **¶12668800**
ISCJB IV 23 07 54 17.3–.29 7.06S–.05 154.21E–.04 33 4.5b,4.0s
NEIC IV 23 07 54 21.7–1.2 7.16S 154.23E 63–11 4.6b,4.0s
AUST IV 23 07 55 15.5–5.9 9.79S 151.86E 323–0 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=15.8km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.9km az=173.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.6km az=165.0.
AUST Error ellipse: s-maj=4.5km s-min=1.4km az=246.0.
IDC IV 23 10 07 27.6–1.1 6.42S 154.17E 0 4.0,3.9
¶16153298

IDC Error ellipse: s-maj=48.7km s-min=19.5km az=132.0.
IDC IV 23 11 21 07.6–5.1 8.58S 158.78E 93–75 3.6,3.4
¶16153300

IDC Error ellipse: s-maj=79.5km s-min=35.4km az=123.0.
IDC IV 23 13 14 42.4–8.3 6.02S 154.71E 422–85 3.2,3.0
¶16153304

IDC Error ellipse: s-maj=112.2km s-min=24.7km az=118.0.
ISC IV 23 14 17 39.1–.61 11.13S–.07 163.61E–.09 31 4.1b,3.7s 38 4-96
IDC IV 23 14 17 34.5–.79 11.05S 163.57E 0 4.3,4.3L **¶12842943**
ISCJB IV 23 14 17 37.2–.52 11.24S–.06 163.58E–.07 31 4.3b,3.7s
NEIC IV 23 14 17 40.6–1.6 11.13S 163.53E 44–14 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=18.0km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.2km az=144.6.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=13.3km az=151.0.
IDC IV 23 18 15 23.6–6.7 6.27S 154.68E 59–53 3.6,3.6L
¶16153311

IDC Error ellipse: s-maj=44.4km s-min=25.8km az=97.0.
IDC IV 24 02 12 50.5–2.3 10.90S 162.70E 0 4.7L,3.8
¶16153321

IDC Error ellipse: s-maj=45.2km s-min=37.7km az=109.0.
ISC IV 24 05 33 15.9–.57 8.5S–.10 157.64E–.07 16 4.2b 34 2-145
IDC IV 24 05 33 13.5–.70 8.41S 157.60E 0 4.4,4.2 **¶12936101**
ISCJB IV 24 05 33 14.6–.47 8.40S–.08 157.50E–.06 16 4.1b,4.2
NEIC IV 24 05 33 19.6–1.6 8.55S 157.65E 47–15 4.3b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=22.8km s-min=18.2km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=8.4km az=5.3.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.2km az=149.0.
IDC IV 25 04 39 35.2–2.5 6.33S 154.48E 0 3.7,3.4
¶16153362

IDC Error ellipse: s-maj=166.4km s-min=29.3km az=130.0.
IDC IV 25 17 24 49.5–4.1 10.48S 163.34E 140–32 3.7,3.6
¶16153389

IDC Error ellipse: s-maj=38.3km s-min=21.8km az=116.0.
IDC IV 26 09 41 16.9–1.3 8.61S 157.15E 0 3.9,3.8
¶16154512

IDC Error ellipse: s-maj=33.8km s-min=29.7km az=169.0.
ISC IV 27 13 26 24.4–.54 6.13S–.09 154.38E–.09 61 4.0b 42 8-152
ISCJB IV 27 13 26 23.0–.45 6.17S–.07 154.37E–.07 61 4.0b **¶16154561**
IDC IV 27 13 26 23.1–1.1 6.09S 154.36E 47–9 4.1,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=8.2km az=139.2.
IDC Error ellipse: s-maj=16.9km s-min=14.4km az=101.0.
IDC IV 28 10 07 51.8–1.1 6.16S 154.36E 0 3.9,3.8
¶16154587

IDC Error ellipse: s-maj=40.1km s-min=22.3km az=105.0.
ISC V 01 06 03 07.3–.29 10.76S–.03 162.37E–.03 31–1 5.8b,5.6s 950 3-173
IDC V 01 06 03 02.5–.36 10.69S 162.27E 0 5.5,5.5 **¶15154034**
ISCJB V 01 06 03 03.2–.96 10.73S–.03 162.23E–.02 12–6 5.7b,5.6s
BJI V 01 06 03 04.2 10.40S 162.89E 27 5.8s,5.6b
NEIC V 01 06 03 05.7–.14 10.77S 162.22E 21 5.9b,5.9W
GCMT V 01 06 03 06.9–.10 10.76S 162.33E 13–0 5.9W,5.9W
MOS V 01 06 03 06.4–1.2 10.67S 162.21E 33 5.8b,5.6s
NOU V 01 06 03 08.9–1.2 11.28S 162.28E 0–999 4.5,3.7L
AUST V 01 06 03 10.0 10.82S 162.46E 60 4.5,3.7L
DJA V 01 06 03 12.3–1.1 11S–4.0 163E–7.0 84–13 6.2b,5.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.51 $M_{\theta\theta}$-7.52 $M_{\phi\phi}$9.03 $M_{r\theta}$-1.37 $M_{\theta\phi}$2.17 $M_{\phi r}$1.86 Best double couple: NP1:ϕ_s143.00000° ,δ86.00000°,λ-164.00000°. NP2:ϕ_s52.00000°,δ74.00000°,λ-4.00000°. Principal axes: T 9.5600,Plg8.0000°,Azm276.0000°; N -1.3700,Plg73.0000°,Azm155.0000° ; P -8.1900,Plg13.0000°,Azm8.0000° $M_0$9.00000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=119, comp=244, per= 50. Moment Tensor Solution. s111,c243; s76,c102; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.35±.06 $M_{\theta\theta}$-7.41±.06; $M_{\phi\phi}$8.76±.07; $M_{r\theta}$-2.19±.18; $M_{\theta\phi}$-0.13±.05; $M_{\phi r}$-1.38±.15; Best double couple: NP1:ϕ_s136.00000°,δ72.00000°,λ-172.00000°. NP2:ϕ_s43.00000°,δ83.00000°,λ-19.00000°. Principal axes: T 8.9500,Plg8.0000°,Azm91.0000°; N -0.8100,Plg70.0000°,Azm203.0000° ; P -8.1400,Plg18.0000°,Azm358.0000° $M_0$8.50000×10^{17}
IDC V 01 06 21 27.6–4.9 11.11S 161.91E 0 3.9,3.8
¶16154691

IDC Error ellipse: s-maj=89.6km s-min=31.0km az=59.0.
IDC V 02 19 23 11.9–2.2 7.42S 155.40E 0 3.7,3.5
¶16154845

IDC Error ellipse: s-maj=68.1km s-min=28.6km az=122.0.
IDC V 03 11 24 45.4–2.7 11.01S 162.27E 0 3.9,3.9L
¶16154860

IDC Error ellipse: s-maj=49.6km s-min=32.8km az=96.0.
IDC V 03 11 55 56.2–3.7 5.88S 154.04E 0 3.7,3.5
¶16154862

IDC Error ellipse: s-maj=172.3km s-min=50.4km az=126.0.
ISC V 04 09 06 24.6–.27 10.31S–.04 161.59E–.04 82–1 5.0b 310 2-160
ISCJB V 04 09 06 23.7–.67 10.22S–.03 161.51E–.03 85–6 4.9b **¶15154104**
MOS V 04 09 06 23.8–.90 10.25S 161.42E 87 5.3s,5.2b
IDC V 04 09 06 23.8–.47 10.26S 161.43E 74–3 4.7,4.7
BJI V 04 09 06 23.7 10.05S 161.86E 92 5.0b,4.9b

NEIC V 04 09 06 23.6–.21 10.21S 161.53E 72 5.1b,4.9b
GCMT V 04 09 06 25.6–.20 10.20S 161.43E 62–2 5.1W,4.9b
AUST V 04 09 06 26.9 10.27S 161.48E 100 5.1W,4.9b
DJA V 04 09 06 30.3–1.1 10S–5.0 162E–6.0 126–13 5.6b,5.2b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Honiara.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s47,c65; s83,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}2.95±.20 $M_{\theta\theta}$0.01±.15; $M_{\phi\phi}$-2.96±.15; $M_{r\theta}$-0.74±.11; $M_{\theta\phi}$3.60±.13; $M_{\phi r}$-4.08±.11; Best double couple: NP1:ϕ_s292.00000°,δ39.00000°,λ29.00000°. NP2:ϕ_s179.00000°,δ72.00000°,λ125.00000°. Principal axes: T 6.0300,Plg50.0000° ,Azm128.0000°; N 0.3900,Plg33.0000°,Azm346.0000°; P -6.4200,Plg19.0000° ,Azm243.0000° M_o6.20000×10^{16}
IDC V 04 14 31 41.8–2.6 7.05S 155.84E 97–26 3.7,3.6
¶16154898
IDC Error ellipse: s-maj=26.0km s-min=16.5km az=176.0.
ISC V 04 22 23 30.5–.33 7.15S–.06 155.53E–.05 50 4.6b,4.2s 141 5-161
AUST V 04 22 23 24.4 7.44S 156.64E 35 4.6b,4.2s **¶15154096**
NEIC V 04 22 23 28.9–1.4 7.14S 155.48E 37–13 4.9b,4.2s
ISCJB V 04 22 23 28.9–.26 7.17S–.04 155.50E–.04 50 4.6b,4.0s
GCMT V 04 22 23 28.6–.20 7.45S 155.59E 18–0 5.0W,4.0s
BJI V 04 22 23 31.7 7.50S 155.50E 86 5.1s,5.0b
IDC V 04 22 23 31.2–2.2 7.16S 155.42E 57–21 4.2,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.5km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.5km az=27.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s41,c47; s68,c96; Moment tensor: Scale 10^{16}Nm; M_{rr}3.67±.16 $M_{\theta\theta}$-2.55±.11; $M_{\phi\phi}$-1.12±.12; $M_{r\theta}$1.63±.26; $M_{\theta\phi}$1.88±.09; $M_{\phi r}$-0.37±.28; Best double couple: NP1:ϕ_s314.00000°,δ34.00000°,λ105.00000°. NP2:ϕ_s116.00000°,δ57.00000°,λ80.00000°. Principal axes: T 4.0700,Plg76.0000° ,Azm356.0000°; N 0.0900,Plg8.0000°,Azm121.0000°; P -4.1600,Plg11.0000°,Azm213.0000° M_o4.10000×10^{16}
IDC Error ellipse: s-maj=14.3km s-min=12.5km az=163.0.
IDC V 05 16 07 34.2–9.3 6.50S 155.06E 368–89 3.3,3.1
¶16154937
IDC Error ellipse: s-maj=43.7km s-min=20.8km az=76.0.
ISC V 06 11 45 34.2–.51 7.13S–.09 155.51E–.08 50 4.3b,3.5s 62 5-154
IDC V 06 11 45 26.3–.84 7.22S 155.60E 0 4.3,4.3 **¶15154177**
ISCJB V 06 11 45 32.3–.41 7.17S–.06 155.50E–.07 50 4.2b,3.6s
NEIC V 06 11 45 36.7–1.2 7.29S 155.52E 82–12 4.5b,3.6s
AUST V 06 11 45 37.6–.02 7.26S 155.55E 90–0 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=17.4km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=8.3km az=23.1.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.3km az=157.0.
AUST Error ellipse: s-maj=2.0km s-min=1.3km az=27.0.
IDC V 06 11 49 15.7–2.9 7.08S 155.68E 0 3.8,3.6b
¶16155451
IDC Error ellipse: s-maj=106.9km s-min=35.5km az=130.0.
ISC V 06 13 33 12.0–.29 6.56S–.04 154.98E–.04 49–2 5.2b,4.3s 607 6-160
MOS V 06 13 33 09.5–.89 6.40S 154.88E 33 5.4b,4.3s **¶13439359**
IDC V 06 13 33 10.4–1.9 6.50S 154.99E 36–14 5.0,5.0
ISCJB V 06 13 33 10.5–.86 6.52S–.04 154.93E–.02 47–7 5.3b,4.4s
BJI V 06 13 33 11.1 6.18S 155.20E 51 5.1b,5.1b
NEIC V 06 13 33 11.6–.13 6.53S 154.95E 46 5.2b,5.1b
GCMT V 06 13 33 13.7–.20 6.83S 154.94E 39–0 5.2W,5.1b
DJA V 06 13 33 14.5–.70 6S–4.0 155E–4.0 58–7 6.7,5.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s73,c104; s70,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}7.06±.20 $M_{\theta\theta}$-4.21±.15; $M_{\phi\phi}$-2.86±.15; $M_{r\theta}$1.22±.16; $M_{\theta\phi}$4.39±.12; $M_{\phi r}$-1.75±.14; Best double couple: NP1:ϕ_s306.00000°,δ38.00000°,λ82.00000°. NP2:ϕ_s135.00000°,δ53.00000°,λ96.00000°. Principal axes: T 7.3800,Plg81.0000° ,Azm72.0000°; N 0.8600,Plg5.0000°,Azm312.0000°; P -8.2600,Plg8.0000°,Azm221.0000° M_o7.80000×10^{16}
IDC V 07 05 25 17.1–4.1 7.01S 154.72E 0 3.8,3.7
¶16155473
IDC Error ellipse: s-maj=104.2km s-min=35.4km az=116.0.
IDC V 08 12 30 12.4–.88 10.25S 161.40E 88–6 3.9,3.7
¶16155515
IDC Error ellipse: s-maj=18.2km s-min=11.1km az=33.0.
IDC V 08 17 31 18.9–12 7.13S 155.26E 139–80 3.4,3.2
¶16155523
IDC Error ellipse: s-maj=95.2km s-min=45.4km az=88.0.
IDC V 08 21 40 04.3–2.0 6.73S 156.04E 221–19 3.9,3.8
¶16155528
IDC Error ellipse: s-maj=14.1km s-min=9.0km az=109.0.
ISC V 10 01 26 19.2–.50 7.0S–.10 155.84E–.09 62 4.4b 63 5-154
IDC V 10 01 26 18.9–.74 6.95S 155.89E 52–5 3.9,3.9 **¶13678637**
NEIC V 10 01 26 18.7–.30 6.92S 155.85E 50 4.6b,3.9
ISCJB V 10 01 26 18.2–.46 6.98S–.08 155.88E–.08 62 4.3b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 10 19 02 15.3–1.4 8.85S 159.37E 0 3.8,3.5
¶16155599
IDC Error ellipse: s-maj=30.6km s-min=17.7km az=29.0.
IDC V 10 20 39 21.4–2.5 6.27S 154.20E 0 3.6,3.5b
¶16155605
IDC Error ellipse: s-maj=86.7km s-min=32.6km az=108.0.
IDC V 11 08 10 08.4–3.1 6.40S 154.98E 77–27 4.1,4.0
¶16155629
IDC Error ellipse: s-maj=24.7km s-min=18.2km az=177.0.
ISC V 11 15 44 56.5–.61 6.8S–.10 155.26E–.09 56 3.9b 28 5-153
IDC V 11 15 44 49.3–.71 6.64S 155.22E 0 4.2,4.1 **¶16155637**
ISCJB V 11 15 44 55.3–.71 6.7S–.10 155.15E–.10 56 4.0b,3.9s
ISC Event type ke.
ISCJB Event type ke.
ISC V 12 17 24 27.9–.63 9.97S–.09 160.6E–.10 37 4.2b,3.3s 38 1-159
IDC V 12 17 24 22.2–1.0 9.99S 160.63E 0 4.3,4.2L **¶13678828**
ISCJB V 12 17 24 26.1–.50 10.04S–.07 160.55E–.08 37 4.2b,3.4s
NEIC V 12 17 24 28.0–1.6 9.98S 160.51E 37–14 4.5b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=17.9km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.7km az=154.7.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.8km az=100.0.
ISC V 13 01 15 21.5–.28 6.34S–.03 155.00E–.04 95–2 5.2b 709 6-164
MOS V 13 01 15 18.1–.96 6.26S 154.89E 68 5.5b,4.1s **¶15154290**
ISCJB V 13 01 15 18.8–.80 6.32S–.03 154.96E–.03 79–7 5.2b,4.1s
BJI V 13 01 15 19.3 6.15S 155.08E 87 5.2b,5.0b
GCMT V 13 01 15 19.7–.20 6.56S 154.98E 58–0 5.1W,5.0b
AUST V 13 01 15 20.2–.37 6.30S 155.06E 80–0 5.1W,5.0b
IDC V 13 01 15 21.0–2.1 6.40S 154.91E 88–18 5.1,5.1
DJA V 13 01 15 21.1–.90 6S–5.0 155E–5.0 70–12 5.7b,5.4b
NEIC V 13 01 15 21.6–.73 6.40S 154.93E 94–6 5.2b,5.4b
ISC Event type se.
MOS Error ellipse: s-maj=8.0km s-min=6.1km az=86.9.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.4km az=179.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c97; s74,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}6.06±.16 $M_{\theta\theta}$-3.29±.13; $M_{\phi\phi}$-2.77±.14; $M_{r\theta}$-1.05±.12; $M_{\theta\phi}$3.53±.11; $M_{\phi r}$0.17±.11; Best double couple: NP1:ϕ_s139.00000°,δ41.00000°,λ99.00000°. NP2:ϕ_s307.00000°,δ49.00000°,λ82.00000°. Principal axes: T 6.1800,Plg83.0000° ,Azm167.0000°; N 0.4500,Plg6.0000°,Azm312.0000°; P -6.6300,Plg4.0000°,Azm43.0000° M_o6.40000×10^{16}
AUST Error ellipse: s-maj=0.8km s-min=0.7km az=36.0.
IDC Error ellipse: s-maj=11.5km s-min=9.0km az=85.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=4.1km az=130.0.
IDC V 13 12 09 34.7–2.1 7.22S 156.83E 0 4.3,4.1
¶16155712
IDC Error ellipse: s-maj=61.8km s-min=26.6km az=115.0.

IDC V 15 19 56 29.0–3.3 9.90S 160.93E 42–24 4.0L,3.7
¶16155778
IDC Error ellipse: s-maj=37.8km s-min=20.3km az=50.0.
IDC V 16 06 08 37.1–.92 9.41S 158.38E 0 4.2,4.0b
¶16155796
IDC Error ellipse: s-maj=29.5km s-min=17.3km az=157.0.
ISC V 17 17 14 29.3–.43 6.82S–.07 155.78E–.06 62 4.1b 89 5-161
ISCJB V 17 17 14 28.0–.39 6.86S–.06 155.80E–.05 62 4.2b **¶15154361**
NEIC V 17 17 14 28.8–.38 6.84S 155.80E 56 4.3b
IDC V 17 17 14 29.4–.74 6.90S 155.73E 58–5 4.1,4.0
AUST V 17 17 14 44.3 7.96S 155.24E 100 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.7km az=15.1.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.8km az=136.0.
IDC Error ellipse: s-maj=17.8km s-min=14.1km az=96.0.
ISC V 17 17 57 13.3–.33 9.59S–.05 159.47E–.04 15–1 5.0b,4.3s 319 0-164
BJI V 17 17 57 08.2 9.77S 159.59E 5 5.1b,4.9s **¶13439662**
IDC V 17 17 57 10.8–.36 9.58S 159.52E 0 4.8,4.8
NEIC V 17 17 57 12.8–.15 9.50S 159.35E 10 5.1b,4.8
ISCJB V 17 17 57 12.1–.21 9.54S–.05 159.36E–.03 15 4.9b,4.3s
MOS V 17 17 57 15.1–.96 9.43S 159.21E 33 5.2b,4.3s
GCMT V 17 17 57 16.0–.20 9.68S 159.35E 22–0 5.1W,4.3s
DJA V 17 17 57 19.4–1.0 10S–7.0 160E–6.0 90–10 5.4b,4.9
ISC Event type fe.
NEIC Event type fe. Felt [III] at Honiara.
ISCJB Event type fe.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s39,c53; s79,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}4.19±.22 $M_{\theta\theta}$-1.71±.14; $M_{\phi\phi}$-2.48±.13; $M_{r\theta}$0.31±.23; $M_{\theta\phi}$2.03±.08; $M_{\phi r}$-3.12±.22; Best double couple: NP1:ϕ_s305.00000°,δ31.00000°,λ60.00000°. NP2:ϕ_s159.00000°,δ63.00000°,λ107.00000°. Principal axes: T 5.4500,Plg67.0000° ,Azm100.0000°; N -0.5000,Plg15.0000°,Azm331.0000°; P -4.9500,Plg17.0000° ,Azm237.0000° M_o5.20000×10^{16}
IDC V 18 18 16 15.7–7.4 6.87S 155.89E 0 3.6,3.4
¶16155881
IDC Error ellipse: s-maj=195.9km s-min=32.9km az=107.0.
ISC V 20 01 43 50.6–.43 7.26S–.07 155.01E–.05 41 4.7b,3.5s 75 5-153
ISCJB V 20 01 43 48.8–.30 7.31S–.06 154.96E–.04 41 4.6b,3.5s **¶12853071**
IDC V 20 01 43 49.0–3.5 7.32S 155.02E 30–24 4.4,4.3b
NEIC V 20 01 43 50.9–1.0 7.35S 155.00E 47–9 4.7b,4.3b
BJI V 20 01 43 51.0 7.30S 154.80E 62 5.0b,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.2km az=163.8.
IDC Error ellipse: s-maj=22.4km s-min=13.8km az=130.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.7km az=150.0.
ISC V 21 06 21 30.6–.45 10.88S–.07 162.55E–.07 46 4.3b 62 3-161
ISCJB V 21 06 21 28.2–.50 10.97S–.06 162.66E–.06 46 4.3b,4.2s **¶13679354**
IDC V 21 06 21 30.9–.77 10.92S 162.38E 44–5 4.3s,4.2
NEIC V 21 06 21 34.0–1.3 10.84S 162.47E 76–12 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.3km az=145.4.
IDC Error ellipse: s-maj=25.3km s-min=15.4km az=126.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.5km az=201.0.
IDC V 21 11 47 36.3–1.4 8.94S 159.81E 0 3.8,3.5
¶16155986
IDC Error ellipse: s-maj=32.4km s-min=16.8km az=69.0.
IDC V 21 21 09 32.2–3.2 7.01S 155.69E 62–33 3.8,3.7
¶16156001
IDC Error ellipse: s-maj=33.0km s-min=22.8km az=146.0.
ISC V 24 15 48 22.1–.23 8.44S–.04 158.97E–.04 109–1 5.0b 650 1-164
ISCJB V 24 15 48 20.5–.64 8.42S–.03 158.86E–.03 101–6 5.0b **¶15154892**
IDC V 24 15 48 21.9–.31 8.45S 158.88E 107–2 4.9,4.9
MOS V 24 15 48 21.4–.95 8.44S 158.82E 109 5.1b,4.9
NEIC V 24 15 48 21.8–.13 8.48S 158.83E 105 5.1b,4.9
BJI V 24 15 48 21.8 8.17S 159.07E 114 5.0b,4.9b
GCMT V 24 15 48 23.6–.20 8.53S 158.95E 119–2 5.1W,4.9b
AUST V 24 15 48 28.8 8.13S 159.08E 200 5.1W,4.9b
DJA V 24 15 48 30.3–1.0 8S–4.0 159E–5.0 201–10 5.3b,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s48,c58; s86,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}1.92±.18 $M_{\theta\theta}$-1.31±.21; $M_{\phi\phi}$-0.61±.19; $M_{r\theta}$-5.20±.13; $M_{\theta\phi}$2.31±.20; $M_{\phi r}$0.44±.12; Best double couple: NP1:ϕ_s164.00000°,δ23.00000°,λ153.00000°. NP2:ϕ_s279.00000°,δ80.00000°,λ69.00000°. Principal axes: T 5.9200,Plg51.0000° ,Azm165.0000°; N 0.0700,Plg21.0000°,Azm283.0000°; P -5.9900,Plg32.0000°,Azm26.0000° M_o6.00000×10^{16}
IDC V 24 18 15 20.7–1.9 5.80S 154.55E 0 4.1,3.8b
¶16156114
IDC Error ellipse: s-maj=96.3km s-min=30.8km az=125.0.
IDC V 24 19 34 27.1–1.9 9.39S 160.42E 104–7 3.6,3.4
¶16156116
IDC Error ellipse: s-maj=60.6km s-min=22.7km az=137.0.
ISC V 25 13 44 22.6–1.1 11.47S–.09 162.0E–.10 39 3.6b 17 3-85
IDC V 25 13 44 18.2–1.5 11.50S 161.82E 0 4.0,3.9 **¶15155494**
ISCJB V 25 13 44 21.5–1.0 11.47S–.08 161.9E–.10 39 3.6b,2.7s
AUST V 25 13 44 24.8 11.26S 161.44E 5 3.6b,2.7s
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=24.6km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=19.3km s-min=9.7km az=153.5.
IDC V 26 00 17 54.4–1.6 6.84S 155.39E 0 4.0,3.7
¶16156163
IDC Error ellipse: s-maj=58.6km s-min=26.4km az=128.0.
ISC V 28 19 36 12.6–.37 5.73S–.05 154.44E–.05 141–3 4.5b 193 3-159
AUST V 28 19 36 04.8 5.59S 155.13E 100 4.5b **¶15155556**
IDC V 28 19 36 12.7–.45 5.75S 154.37E 141–3 4.3,4.3
ISCJB V 28 19 36 13.4–.90 5.74S–.04 154.48E–.05 162–8 4.4b,4.3
NEIC V 28 19 36 15.2–.98 5.76S 154.49E 167–9 4.7b,4.3
DJA V 28 19 36 21.8–2.8 6S–11 154E–20 214–18 5.0b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC V 28 21 29 21.7–.70 9.6S–.10 159.5E–.10 26 4.2b 21 1-88
AUST V 28 21 29 12.3 9.22S 160.53E 20 4.2b **¶15155558**
IDC V 28 21 29 17.4–.72 9.69S 159.43E 0 4.3,4.2
ISCJB V 28 21 29 19.8–.58 9.60S–.08 159.41E–.10 26 4.1b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC V 29 23 31 58.8–1.8 5.9S–.20 155.3E–.20 200 3.9b 16 14-153
AUST V 29 23 31 58.8 5.59S 155.13E 200 3.9b **¶15155588**
IDC V 29 23 32 02.8–4.8 6.32S 155.35E 224–49 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=15.9km az=109.0.
IDC V 31 02 19 24.0–6.2 10.12S 161.32E 64–43 3.7,3.5
¶16066100
IDC Error ellipse: s-maj=50.7km s-min=36.9km az=93.0.
ISC V 31 05 31 29.7–.61 10.12S–.09 160.94E–.09 50 4.0b,3.5s 29 1-114
IDC V 31 05 31 22.8–.80 10.10S 161.08E 0 4.2,4.1 **¶13680016**
ISCJB V 31 05 31 28.2–.49 10.16S–.07 160.97E–.07 50 4.1b,3.6s
NEIC V 31 05 31 28.1–3.2 10.05S 160.98E 33–23 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=17.7km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.6km az=41.4.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=10.1km az=61.0.
IDC V 31 06 33 49.5–5.3 6.96S 155.46E 69–43 3.9,3.7
¶16066106
IDC Error ellipse: s-maj=36.9km s-min=21.6km az=121.0.
IDC V 31 13 20 03.5–1.1 10.25S 160.99E 0 4.1,4.0
¶16066115
IDC Error ellipse: s-maj=25.8km s-min=20.1km az=149.0.
IDC VI 02 03 25 50.0–4.4 10.90S 162.82E 103–38 3.7,3.6
¶16066194

IDC Error ellipse: s-maj=38.1km s-min=23.0km az=125.0.
IDC VI 03 16 12 36.5–1.8 8.90S 160.48E 67–12 3.9,3.7b
¶16100900

IDC Error ellipse: s-maj=29.9km s-min=23.2km az=91.0.
IDC VI 05 23 07 19.5–2.3 6.91S 156.23E 0 4.1,4.0
¶16101001

IDC Error ellipse: s-maj=83.1km s-min=25.4km az=107.0.
IDC VI 07 03 45 16.1–3.7 6.29S 154.61E 0 3.4,3.1
¶16101049

IDC Error ellipse: s-maj=183.3km s-min=52.4km az=128.0.

ISC	**VI**	**10 20 42 54.4–1.5**	**7.37S–.09**	**156.07E–.07**	**83–14**	**4.4b**	**96**	**4-154**
ISCJB	VI	10 20 42 50.0–1.6	7.36S–.09	156.16E–.08	58–16	4.5b,3.8s		**¶13681124**
IDC	VI	10 20 42 52.3–2.6	7.43S	156.16E	66–23	4.2,4.1		
NEIC	VI	10 20 42 52.7–1.1	7.43S	156.20E	73–10	4.5b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=10.6km az=139.5.
IDC Error ellipse: s-maj=18.1km s-min=14.3km az=108.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.1km az=139.0.
IDC VI 10 21 09 52.5–2.5 6.81S 154.69E 0 3.6,3.5s
¶16101189

IDC Error ellipse: s-maj=108.7km s-min=31.9km az=126.0.

ISC	**VI**	**10 22 29 49.6–.78**	**10.62S–.09**	**162.1E–.10**	**54**	**3.7b**	**25**	**2-91**
IDC	VI	10 22 29 43.2–1.4	10.42S	162.22E	0	4.2L,4.1		**¶13681130**
ISCJB	VI	10 22 29 48.1–.69	10.64S–.08	162.10E–.09	54	3.9b,3.8s		
NEIC	VI	10 22 29 48.1–.52	10.48S	162.08E	35	4.6b,3.8s		

ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=27.2km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=8.2km az=139.2.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.2km az=80.0.
IDC VI 12 14 06 20.4–1.3 8.67S 159.50E 0 3.7,3.5
¶16101240

IDC Error ellipse: s-maj=31.5km s-min=10.8km az=54.0.
IDC VI 15 17 33 12.9–.95 9.17S 157.91E 0 4.1,4.1L
¶16101373

IDC Error ellipse: s-maj=33.7km s-min=18.8km az=160.0.
IDC VI 16 22 22 56.6–1.8 6.94S 154.56E 0 3.8,3.6
¶16101419

IDC Error ellipse: s-maj=60.8km s-min=28.0km az=123.0.
IDC VI 17 12 11 30.3–.72 6.47S 155.07E 0 4.3,4.1
¶16101437

IDC Error ellipse: s-maj=24.9km s-min=17.9km az=134.0.
IDC VI 18 06 11 17.5–.60 7.15S 156.20E 61–5 4.0,3.9
¶16101457

IDC Error ellipse: s-maj=16.8km s-min=12.6km az=35.0.
IDC VI 21 11 57 03.6–2.3 6.56S 155.14E 0 3.7,3.5
¶16101566

IDC Error ellipse: s-maj=71.8km s-min=39.8km az=114.0.
IDC VI 21 13 30 51.3–2.8 10.21S 161.35E 108–18 3.6,3.5
¶16101572

IDC Error ellipse: s-maj=37.8km s-min=24.0km az=63.0.
IDC VI 22 00 49 08.8–5.7 5.59S 154.51E 137–46 3.7,3.5
¶16101594

IDC Error ellipse: s-maj=43.4km s-min=21.2km az=98.0.
IDC VI 22 19 40 04.5–6.5 6.67S 155.22E 59–51 4.0,3.9
¶16101620

IDC Error ellipse: s-maj=42.4km s-min=24.8km az=93.0.
IDC VI 23 03 25 59.0–1.0 8.84S 159.77E 103–11 3.7,3.5
¶16101634

IDC Error ellipse: s-maj=37.5km s-min=21.9km az=118.0.
IDC VI 24 10 43 04.4–1.3 6.60S 155.04E 0 3.9,3.8
¶16101688

IDC Error ellipse: s-maj=48.3km s-min=21.0km az=127.0.
IDC VI 26 09 43 40.3–6.1 10.64S 161.52E 72–45 3.6,3.4
¶16101743

IDC Error ellipse: s-maj=49.0km s-min=27.0km az=115.0.
IDC VI 26 09 57 30.7–1.0 10.60S 161.38E 107–7 3.8,3.6
¶16101745

IDC Error ellipse: s-maj=20.1km s-min=13.0km az=52.0.

ISC	**VI**	**26 19 32 26.2–.41**	**6.38S–.07**	**154.28E–.06**	**48**	**4.3b,3.9s**	**70**	**6-152**
ISCJB	VI	26 19 32 23.8–.42	6.47S–.06	154.37E–.07	48	4.2b,3.9s		**¶13682084**
NEIC	VI	26 19 32 26.1–1.3	6.49S	154.35E	54–13	4.4b,3.9s		
IDC	VI	26 19 32 26.4–.81	6.47S	154.29E	53–6	4.2,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=8.0km az=33.3.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.8km az=196.0.
IDC Error ellipse: s-maj=20.5km s-min=13.3km az=95.0.
IDC VI 27 21 45 47.0–.76 8.82S 157.73E 0 4.1,3.9L
¶16101798

IDC Error ellipse: s-maj=24.6km s-min=20.1km az=140.0.

ISC	**VI**	**30 05 05 22.4–.51**	**6.15S–.06**	**154.57E–.08**	**61**	**4.4b**	**74**	**3-152**
ISCJB	VI	30 05 05 20.9–.36	6.06S–.05	154.40E–.05	61	4.4b		**¶15156330**
DJA	VI	30 05 05 21.2–3.6	6S–18	155E–21	85–21	5.4b,4.8		
IDC	VI	30 05 05 21.4–.88	6.07S	154.44E	54–7	4.4,4.3		
AUST	VI	30 05 05 24.7	6.08S	154.64E	100	4.4,4.3		
NEIC	VI	30 05 05 25.1–1.1	6.14S	154.38E	88–10	4.5b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.7km az=42.2.
IDC Error ellipse: s-maj=16.8km s-min=12.5km az=93.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=7.3km az=143.0.

(194) D'Entrecasteaux Islands region.

ISC	**I**	**01 04 38 32.4–.00**	**10.5S–.10**	**152.6E–.10**	**35**	**4.0b,3.4s**	**15**	**5-151**
IDC	I	01 04 38 28.3–1.4	10.27S	152.25E	0	4.0,4.0		**¶12079733**

ISC Event type ke.
IDC Error ellipse: s-maj=40.0km s-min=20.9km az=113.0.
IDC II 24 16 15 11.7–3.0 8.59S 151.70E 0 3.2,3.1
¶15957173

IDC Error ellipse: s-maj=77.6km s-min=44.3km az=154.0.
IDC III 25 17 50 14.7–2.5 9.15S 153.05E 0 3.5,3.3
¶12635579

IDC Error ellipse: s-maj=72.7km s-min=40.5km az=158.0.
IDC III 27 07 16 55.7–1.6 9.73S 152.11E 0 3.9,3.8
¶12635688

IDC Error ellipse: s-maj=40.7km s-min=26.3km az=118.0.
IDC IV 10 19 45 16.8–1.3 9.55S 151.26E 0 4.0,3.9
¶16152636

IDC Error ellipse: s-maj=26.4km s-min=21.0km az=132.0.
IDC IV 17 19 28 20.0–1.8 9.85S 152.45E 0 3.7,3.5
¶16152944

IDC Error ellipse: s-maj=71.8km s-min=25.9km az=119.0.
IDC IV 18 19 06 03.6–1.6 9.75S 152.52E 0 3.6,3.6
¶16153001

IDC Error ellipse: s-maj=48.1km s-min=22.5km az=119.0.
IDC IV 19 14 15 23.1–3.3 10.08S 151.25E 0 4.0L,3.6
¶16153062

IDC Error ellipse: s-maj=108.7km s-min=31.0km az=111.0.

ISC	**VI**	**08 15 23 15.5–.82**	**9.57S–.09**	**152.7E–.10**	**22**	**4.0b,3.2s**	**19**	**5-151**
IDC	VI	08 15 23 11.9–1.4	9.66S	152.49E	0	4.0,3.9		**¶15155908**
ISCJB	VI	08 15 23 13.5–.67	9.56S–.07	152.67E–.09	22	3.9b,3.3s		
AUST	VI	08 15 23 17.7–10	9.43S	152.89E	70–1	3.9b,3.3s		

ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=19.7km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=9.2km az=18.6.
AUST Error ellipse: s-maj=3.0km s-min=1.9km az=305.0.

SEISMIC REGION 16.
New Guinea.

(196) Irian Jaya region.
IDC I 02 20 34 11.9–2.0 0.56S 133.00E 0 3.8,3.7b
¶12079851

IDC Error ellipse: s-maj=88.3km s-min=23.4km az=75.0.
IDC I 03 09 42 06.1–3.8 2.98S 136.19E 0 3.4L,3.4
DJA I 03 09 42 00 2.48S 139.03E 74 3.4,3.4 **¶12079889**

IDC Error ellipse: s-maj=165.7km s-min=30.9km az=81.0.

ISC	**I**	**03 18 18 25.8–.91**	**0.59S–.08**	**132.7E–.20**	**35**	**3.8b,3.3s**	**30**	**19-86**
IDC	I	03 18 18 19.4–.92	0.13S	133.21E	0	4.1,4.1L		**¶12079918**
NEIC	I	03 18 18 24.3–.53	0.21S	133.15E	35	4.3b,4.1L		
DJA	I	03 18 18 25	0.42S	132.93E	10	4.6,4.1L		

ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=16.1km az=72.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=7.7km az=74.0.
IDC I 03 18 25 12.9–2.0 0.38S 133.12E 0 3.7,3.5L
¶12079919

IDC Error ellipse: s-maj=94.3km s-min=23.4km az=75.0.

ISC	**I**	**03 19 43 55.8–.24**	**0.53S–.02**	**132.60E–.03**	**31–1**	**7.5s,6.6b**	**2692**	**2-167**
IDC	I	03 19 43 48.9–.33	0.49S	132.76E	0	7.3s,7.3		**¶13989025**
NEIC	I	03 19 43 50.6–.14	0.41S	132.89E	17	7.7,7.6W		
ISCJB	I	03 19 43 51.3–.67	0.36S–.02	132.87E–.02	22–4	7.5s,6.4b		
BJI	I	03 19 43 51.5	0.40S	132.90E	23	7.5b,7.4s		
MOS	I	03 19 43 52.5–1.6	0.46S	132.81E	33	7.3s,6.5b		
SZGRF	I	03 19 43 53.3	2.77S	132.43E	33	7.6b,6.5b		
DJA	I	03 19 43 55	0.56S	132.85E	15	7.9W,6.5b		

ISC Event type de.
IDC Error ellipse: s-maj=14.3km s-min=6.4km az=79.0.
NEIC Event type de. Error ellipse: s-maj=5.7km s-min=4.6km az=61.0. At least four people killed at Manokwari and one killed at Sorong. At least 250 people injured, 840 buildings damaged and power outages in western Papua. Felt [VI] at Manokwari and Sorong and [IV] at Nabire and Ransiki. Also felt on Ambon. A tsunami was recorded with the following wave heights [peak-to-trough]: 78 cm at Manokwari, 38 cm on Biak and 20 cm at Jayapura, Indonesia; 13.0 cm at Ishigakijima, 10.2 cm at Naha, 30.7 cm at Omaezeki and 30.8 cm at Tosashimizu, Japan; 0.8 cm on Yap, Federated States of Micronesia; 20.0 cm on Saipan, Northern Mariana Islands; 3.7 cm at Malakal, Palau; 5.2 cm on Wake Island. Complex earthquake observed on broadband displacement seismograms. A small event is followed by a much larger one about 6 seconds later. Depth and focal mechanism based on the larger event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s315.00000°,δ80.00000°,λ100.00000°. NP2: ϕ_s90.00000°,δ14.00000°,λ45.00000°. Principal axes: T Plg54.0000°,Azm237.0000° ; N Plg0.0000°,Azm0.0000°; P Plg34.0000°,Azm36.0000° Moment Tensor Solution. s72 Moment tensor: Scale 10^{20}Nm; M_{rr}1.07 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$0.09 $M_{r\theta}$-0.47 $M_{\theta\phi}$0.70 $M_{\phi r}$0.38 Best double couple: NP1:ϕ_s304.00000°,δ58.00000°,λ102.00000°. NP2:ϕ_s102.00000° ,δ34.00000°,λ71.00000°. Principal axes: T 1.2300,Plg73.0000°,Azm246.0000° ; N 0.3800,Plg10.0000°,Azm117.0000°; P -1.6000,Plg12.0000°,Azm25.0000° $M_0$1.40000×10^{20} Moment Tensor Solution. $M_0$1.20000×10^{20}
ISCJB Event type de. Error ellipse: s-maj=3.6km s-min=2.9km az=142.4.
MOS Error ellipse: s-maj=8.1km s-min=4.5km az=113.6. Moment Tensor Solution. $M_0$1.00000×10^{20}
SZGRF Irian Jaya, Indonesia, region.

ISC	**I**	**03 19 52 40.6–.75**	**0.5S–.10**	**133.5E–.20**	**28**	**4.8b**	**21**	**18-151**
IDC	I	03 19 52 36.7–.88	0.51S	133.50E	0	4.9,4.8b		**¶11526864**
ISCJB	I	03 19 52 39.3–.73	0.4S–.10	133.4E–.10	28	4.8b,4.8b		
NEIC	I	03 19 52 41.3–.64	0.55S	133.45E	35	4.9b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=40.4km s-min=21.2km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=15.1km az=139.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=13.7km az=83.0.

ISC	**I**	**03 19 53 18.0–.29**	**0.61S–.05**	**133.36E–.05**	**28**	**5.6b**	**228**	**3-153**
BJI	I	03 19 53 12.8	1.33S	134.25E	60	5.4b		**¶12079925**
IDC	I	03 19 53 13.9–.47	0.58S	133.35E	0	5.5L,5.4b		
ISCJB	I	03 19 53 16.3–.23	0.55S–.04	133.47E–.04	28	6.6s,5.6b		
MOS	I	03 19 53 16.9–1.0	0.60S	133.36E	33	5.8b,5.6b		
NEIC	I	03 19 53 18.9–.19	0.59S	133.36E	35	5.6b,5.6b		
DJA	I	03 19 53 42	1.38S	132.18E	117	5.9b,5.6b		

ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=12.8km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.2km az=174.1.
MOS Error ellipse: s-maj=12.7km s-min=6.4km az=108.4.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.8km az=61.0.

ISC	**I**	**03 19 54 55.8–.91**	**0.4S–.10**	**132.9E–.20**	**32**	**5.0b**	**29**	**23-130**
IDC	I	03 19 54 51.2–1.0	0.39S	132.89E	0	4.9,4.8b		**¶12079926**
ISCJB	I	03 19 54 54.4–.79	0.4S–.10	132.9E–.20	32	4.9b,4.8b		
NEIC	I	03 19 54 56.0–.64	0.45S	132.89E	35	5.0b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=51.1km s-min=22.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=16.1km az=157.1.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=13.3km az=67.0.

ISC	**I**	**03 19 58 11.9–.42**	**0.53S–.06**	**132.27E–.10**	**33**	**4.9b**	**66**	**10-152**
IDC	I	03 19 58 07.7–.62	0.39S	132.16E	0	4.9L,4.8		**¶12079927**
ISCJB	I	03 19 58 10.6–.34	0.40S–.05	132.25E–.08	33	4.8b,4.8		
NEIC	I	03 19 58 12.5–.26	0.41S	132.34E	35	4.9b,4.8		

ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=13.8km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=7.1km az=161.8.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.8km az=68.0.

ISC	**I**	**03 19 59 45.5–.82**	**0.3S–.10**	**133.3E–.30**	**35**	**4.7b**	**38**	**20-152**
IDC	I	03 19 59 40.4–.93	0.23S	133.46E	0	4.8,4.6b		**¶12079928**
ISCJB	I	03 19 59 43.8–.74	0.3S–.10	133.2E–.20	33	4.6b,4.6b		
NEIC	I	03 19 59 45.7–.67	0.24S	133.33E	35	4.8b,4.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=49.3km s-min=18.7km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=29.2km s-min=11.7km az=157.9.
NEIC Event type se. Error ellipse: s-maj=36.7km s-min=11.6km az=73.0.

ISC	**I**	**03 20 00 33.6–1.2**	**0.3S–.20**	**133.1E–.40**	**32**	**4.6b**	**9**	**20-86**
IDC	I	03 20 00 28.9–1.4	0.27S	133.12E	0	4.7,4.5		**¶12079929**
ISCJB	I	03 20 00 31.9–1.1	0.4S–.10	133.0E–.30	32	4.5b,4.5		
NEIC	I	03 20 00 34.0–.83	0.33S	133.05E	35	4.8b,4.5		

ISC Event type ke.
IDC Error ellipse: s-maj=77.3km s-min=30.1km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=51.3km s-min=16.2km az=165.2.
NEIC Event type se. Error ellipse: s-maj=41.3km s-min=12.8km az=76.0.

ISC	**I**	**03 20 03 00.5–.99**	**0.7S–.10**	**132.9E–.30**	**32**	**4.2b**	**22**	**19-74**
IDC	I	03 20 02 55.4–.92	0.60S	133.06E	0	4.3,4.2b		**¶12079930**
NEIC	I	03 20 03 00.5–.79	0.64S	133.04E	35	4.6b,4.2b		

ISC Event type ke.
IDC Error ellipse: s-maj=45.5km s-min=16.1km az=78.0.
NEIC Event type se. Error ellipse: s-maj=37.6km s-min=11.9km az=74.0.
IDC I 03 20 03 23.7–2.3 0.53S 133.57E 0 4.5,4.3b
¶11526865

IDC Error ellipse: s-maj=184.4km s-min=21.7km az=74.0.

ISC	**I**	**03 20 04 20.7–.34**	**0.53S–.06**	**133.05E–.06**	**32**	**5.0b**	**155**	**6-153**
IDC	I	03 20 04 15.7–.49	0.51S	133.04E	0	4.7,4.7		**¶12079931**
DJA	I	03 20 04 16	0.39S	133.47E	10	5.6b,4.7		
MOS	I	03 20 04 18.7–1.1	0.53S	132.95E	33	5.2b,4.7		
ISCJB	I	03 20 04 18.6–.32	0.35S–.05	133.24E–.06	32	5.0b,4.7		
NEIC	I	03 20 04 20.8–.24	0.53S	133.01E	35	5.0b,4.7		

ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=11.6km az=69.0.
MOS Error ellipse: s-maj=16.2km s-min=7.2km az=114.7.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.5km az=155.9.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.2km az=62.0.

ISC	**I**	**03 20 07 15.1–.45**	**0.60S–.07**	**133.07E–.08**	**32**	**4.8b**	**63**	**2-153**
IDC	I	03 20 07 10.2–.55	0.61S	132.97E	0	4.7L,4.7		**¶12079932**
ISCJB	I	03 20 07 13.0–.40	0.59S–.06	133.03E–.08	32	4.8b,4.7		
NEIC	I	03 20 07 15.3–.27	0.61S	133.00E	35	4.9b,4.7		
DJA	I	03 20 07 23	0.25S	133.77E	178	6.2b,4.7		

ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=12.1km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.6km az=161.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.6km az=67.0.
IDC I 03 20 08 55.4–17 0.22N 132.25E 0 6.1s,6.1
¶12079933

IDC Error ellipse: s-maj=284.5km s-min=96.5km az=149.0.

IDC I 03 20 09 37.2–4.5 0.29S 132.38E 0 4.5,4.5
¶12079934

IDC Error ellipse: s-maj=309.0km s-min=27.1km az=75.0.
ISC I 03 20 10 55.6–1.3 0.5S–.20 132.8E–.40 32 4.4b 16 19-152
IDC I 03 20 10 50.7–1.6 0.32S 132.93E 0 4.6,4.5L **¶12079935**
ISCJB I 03 20 10 53.5–1.2 0.4S–.20 132.8E–.30 32 4.2b,4.5L
NEIC I 03 20 10 55.8–.88 0.39S 132.90E 35 4.0b,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=76.3km s-min=20.0km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=52.2km s-min=12.7km az=155.4.
NEIC Event type se. Error ellipse: s-maj=43.4km s-min=11.3km az=66.0.
ISC I 03 20 12 37.5–4.8 0.0S–.60 133.3E–1.0 32 4.5b 4 20-38
IDC I 03 20 12 33.4–4.3 0.03S 133.24E 0 4.5L,4.4 **¶11712533**
ISC Event type ke.
IDC Error ellipse: s-maj=147.8km s-min=25.6km az=59.0.
ISC I 03 20 12 58.6–.65 0.3S–.10 133.0E–.20 32 4.4b 52 23-152
IDC I 03 20 12 53.9–.77 0.25S 133.07E 0 4.6,4.5b **¶12079936**
ISCJB I 03 20 12 56.9–.64 0.3S–.10 133.0E–.20 32 4.5b,4.5b
NEIC I 03 20 12 59.2–.40 0.31S 133.00E 35 4.4b,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=45.4km s-min=18.2km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=28.1km s-min=10.9km az=146.3.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=8.4km az=60.0.
IDC I 03 20 16 25.8–2.3 0.23S 132.78E 0 4.4,4.2L
¶12079937

IDC Error ellipse: s-maj=94.6km s-min=29.9km az=91.0.
IDC I 03 20 18 37.7–17 0.07N 132.19E 0 6.3s,6.3
¶12079939

IDC Error ellipse: s-maj=325.9km s-min=183.2km az=129.0.
ISC I 03 20 18 41.0–.75 0.6S–.10 133.6E–.20 28 4.2b 24 19-153
IDC I 03 20 18 36.6–.85 0.57S 133.52E 0 4.3,4.2 **¶12079938**
ISCJB I 03 20 18 39.2–.80 0.6S–.10 133.6E–.20 28 4.3b,4.2
NEIC I 03 20 18 41.9–.55 0.63S 133.44E 35 4.1b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=18.5km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=25.2km s-min=12.5km az=150.8.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=10.5km az=69.0.
ISC I 03 20 21 33.4–.86 0.3S–.10 132.6E–.20 33 4.8b 18 17-152
IDC I 03 20 21 28.7–1.5 0.22S 132.68E 0 4.8,4.6b **¶12079940**
ISCJB I 03 20 21 32.2–.80 0.3S–.10 132.6E–.10 33 4.8b,4.6b
NEIC I 03 20 21 33.8–.68 0.30S 132.58E 35 5.1b,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=62.9km s-min=26.8km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=13.4km az=145.1.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=12.7km az=54.0.
ISC I 03 20 26 48.8–.99 0.3S–.10 132.7E–.10 33 5.1b 28 3-130
DJA I 03 20 26 17 1.37N 134.44E 10 5.4b **¶12079941**
IDC I 03 20 26 44.4–1.3 0.42S 132.47E 0 5.1b,5.0
ISCJB I 03 20 26 47.5–.80 0.28S–.09 132.74E–.07 33 5.1b,5.0
NEIC I 03 20 26 49.5–.76 0.36S 132.71E 35 4.7b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=62.7km s-min=21.0km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.2km az=28.3.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=10.7km az=220.0.
ISC I 03 20 30 12.5–.49 0.37S–.09 132.6E–.10 33 5.0b 54 17-154
IDC I 03 20 30 07.7–.60 0.33S 132.65E 0 4.9L,4.9 **¶12079942**
ISCJB I 03 20 30 10.3–.38 0.39S–.06 132.6E–.10 33 4.9b,4.9
NEIC I 03 20 30 12.7–.26 0.39S 132.61E 35 5.1b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=13.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=7.0km az=162.4.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=5.1km az=69.0.
ISC I 03 20 35 09.6–.37 0.67S–.06 133.28E–.08 32 5.0b 93 14-153
IDC I 03 20 35 04.6–.45 0.71S 133.30E 0 4.9L,4.8b **¶12079943**
ISCJB I 03 20 35 07.8–.28 0.68S–.04 133.25E–.07 32 4.8b,4.8b
NEIC I 03 20 35 10.0–1.7 0.67S 133.30E 35–16 5.0b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=11.2km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.0km az=178.7.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.2km az=71.0.
ISC I 03 20 36 44.6–.46 0.32S–.07 132.7E–.10 32 4.7b 56 20-152
IDC I 03 20 36 40.1–.62 0.28S 132.83E 0 5.9s,5.9 **¶12079944**
ISCJB I 03 20 36 42.7–.35 0.33S–.05 132.76E–.09 32 4.6b,5.9
NEIC I 03 20 36 45.1–.29 0.30S 132.74E 35 4.9b,5.9
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=13.0km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=6.6km az=169.1.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.9km az=74.0.
ISC I 03 20 38 34.5–.51 0.70S–.08 133.4E–.20 28 4.5b 43 19-151
IDC I 03 20 38 30.9–.63 0.63S 133.41E 0 4.8L,4.5 **¶12079945**
ISCJB I 03 20 38 32.7–.45 0.66S–.07 133.5E–.10 28 4.4b,4.5
NEIC I 03 20 38 35.7–.34 0.67S 133.39E 35 4.7b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=40.4km s-min=13.5km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=9.2km az=167.3.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=7.2km az=70.0.
ISC I 03 20 39 19.2–.57 0.40S–.09 132.9E–.20 32 4.6b 43 19-152
IDC I 03 20 39 15.0–.76 0.40S 132.81E 0 4.8L,4.6 **¶12079946**
ISCJB I 03 20 39 17.3–.43 0.40S–.06 132.9E–.10 32 4.6b,4.6
NEIC I 03 20 39 19.6–.34 0.40S 132.88E 35 4.7b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=14.7km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=8.0km az=164.4.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=6.7km az=71.0.
IDC I 03 20 40 46.3–1.5 0.17S 133.01E 0 4.3,4.1b
¶12079947

IDC Error ellipse: s-maj=79.5km s-min=32.7km az=79.0.
ISC I 03 20 41 18.9–1.5 0.2S–.30 132.7E–.70 35 4.5b 12 23-80
IDC I 03 20 41 13.5–2.9 0.19S 132.94E 0 4.4b,4.4 **¶12079948**
ISCJB I 03 20 41 16.5–1.4 0.1S–.20 133.0E–.60 33 4.4b,4.4
NEIC I 03 20 41 18.8–1.2 0.26S 132.71E 35 4.5b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=235.1km s-min=24.1km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=97.2km s-min=14.4km az=160.7.
NEIC Event type se. Error ellipse: s-maj=92.4km s-min=15.3km az=67.0.
IDC I 03 20 42 11.5–1.1 0.33S 132.27E 0 4.5,4.2b
¶12079949

IDC Error ellipse: s-maj=69.2km s-min=21.9km az=78.0.
ISC I 03 20 44 04.6–.45 0.38S–.08 132.59E–.09 33 4.6b 87 14-152
IDC I 03 20 43 59.5–.65 0.33S 132.71E 0 4.7,4.6 **¶11712535**
ISCJB I 03 20 44 02.8–.34 0.38S–.05 132.58E–.07 33 4.5b,4.6
NEIC I 03 20 44 04.9–.23 0.37S 132.59E 35 4.7b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=12.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.1km az=151.8.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.6km az=62.0.
ISC I 03 20 47 09.0–1.1 0.3S–.20 132.8E–.30 32 4.2b 22 19-90
IDC I 03 20 47 04.2–1.1 0.20S 132.81E 0 4.5L,4.3 **¶11712536**
ISCJB I 03 20 47 07.2–.85 0.27S–.10 132.7E–.20 32 4.1b,4.3
NEIC I 03 20 47 09.2–.64 0.25S 132.82E 35 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=53.8km s-min=15.5km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=29.7km s-min=11.2km az=162.0.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=8.6km az=71.0.
ISC I 03 20 47 35.1–.36 0.43S–.05 132.77E–.06 32 5.4s,4.9b 178 3-152
IDC I 03 20 47 30.3–.58 0.33S 132.72E 0 5.2L,4.9 **¶12079950**
ISCJB I 03 20 47 32.5–.32 0.29S–.04 132.95E–.05 32 5.2s,4.9b
MOS I 03 20 47 33.4–1.2 0.36S 132.65E 33 5.0b,4.9b
BJI I 03 20 47 33.7 0.20S 132.90E 30 5.3s,5.2
NEIC I 03 20 47 35.0–.21 0.32S 132.78E 35 4.9b,5.2
DJA I 03 20 47 45 0.92S 132.51E 64 5.6b,5.2

ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=12.7km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.1km az=168.9.
MOS Error ellipse: s-maj=18.9km s-min=7.7km az=120.3.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.0km az=59.0.
ISC I 03 20 50 07.8–.55 0.25S–.08 132.51E–.10 33 4.6b 62 13-152
DJA I 03 20 49 59 0.28N 133.10E 10 4.9b **¶12079951**
IDC I 03 20 50 02.7–.63 0.24S 132.47E 0 4.7L,4.5
ISCJB I 03 20 50 05.8–.38 0.20S–.05 132.65E–.06 33 4.7b,4.5
NEIC I 03 20 50 08.1–.28 0.28S 132.41E 35 4.7b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=12.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=7.2km az=148.7.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.3km az=66.0.
ISC I 03 20 51 05.3–.72 0.2S–.10 133.1E–.20 35 4.3b 34 20-152
IDC I 03 20 51 00.7–.91 0.25S 133.10E 0 4.5,4.4L **¶12079952**
ISCJB I 03 20 51 03.4–.69 0.26S–.08 133.1E–.20 33 4.3b,4.4L
NEIC I 03 20 51 05.4–.53 0.24S 133.10E 35 4.4b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=18.2km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=23.3km s-min=10.6km az=163.7.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=9.1km az=72.0.
ISC I 03 20 54 17.2–1.5 0.3S–.30 132.1E–.90 31 4.1b 23 20-90
IDC I 03 20 54 12.1–1.9 0.16S 132.48E 0 4.3,4.1L **¶12079953**
ISCJB I 03 20 54 15.3–1.3 0.3S–.20 132.2E–.70 31 4.2b,4.1L
NEIC I 03 20 54 17.7–1.3 0.30S 132.16E 35 4.3b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=148.3km s-min=17.5km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=110.3km s-min=11.2km az=162.2.
NEIC Event type se. Error ellipse: s-maj=107.0km s-min=11.0km az=73.0.
IDC I 03 20 54 51.3–2.3 0.28S 132.99E 0 4.5L,4.3
¶12079954

IDC Error ellipse: s-maj=176.6km s-min=19.9km az=73.0.
ISC I 03 20 56 33.5–1.0 0.3S–.20 132.6E–.50 35 4.2b 13 10-92
IDC I 03 20 56 28.4–1.1 0.24S 132.60E 0 5.4s,5.4 **¶12079955**
NEIC I 03 20 56 33.5–.75 0.29S 132.62E 35 4.3b,5.4
ISC Event type se.
IDC Error ellipse: s-maj=77.1km s-min=19.5km az=76.0.
NEIC Event type se. Error ellipse: s-maj=56.5km s-min=11.9km az=79.0.
IDC I 03 20 56 50.2–15 0.86N 132.61E 0 4.4,4.3
¶12079956

IDC Error ellipse: s-maj=238.3km s-min=149.8km az=158.0.
IDC I 03 20 59 42.6–2.3 0.32S 132.85E 0 4.1L,4.1
¶12079957

IDC Error ellipse: s-maj=105.9km s-min=21.1km az=66.0.
ISC I 03 21 00 54.1–.50 0.70S–.06 133.71E–.10 28 4.6b 82 3-131
IDC I 03 21 00 49.8–.66 0.74S 133.63E 0 4.5L,4.4 **¶11712537**
BJI I 03 21 00 51.0 0.77S 133.63E 22 4.8b,4.4
ISCJB I 03 21 00 52.6–.38 0.64S–.04 133.64E–.06 28 4.4b,4.4
NEIC I 03 21 00 55.5–.33 0.70S 133.58E 35 4.6b,4.4
DJA I 03 21 01 02.2–.60 1S–7.0 133E–4.0 10 5.9b,5.5
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type se.
IDC I 03 21 05 24.1–1.1 0.38S 132.23E 0 4.1,3.9L
¶12079958

IDC Error ellipse: s-maj=54.4km s-min=19.1km az=80.0.
IDC I 03 21 06 27.9–1.4 0.06S 133.86E 0 4.4L,4.2
¶12079959

IDC Error ellipse: s-maj=65.7km s-min=16.3km az=75.0.
IDC I 03 21 11 59.7–1.7 0.67S 133.77E 0 5.1s,5.1
¶12079961

IDC Error ellipse: s-maj=77.7km s-min=19.8km az=76.0.
ISC I 03 21 13 47.9–.86 0.4S–.10 133.0E–.20 32 4.0b 15 19-86
IDC I 03 21 13 43.2–.84 0.29S 133.03E 0 4.3L,4.2 **¶12079962**
ISCJB I 03 21 13 46.2–.67 0.34S–.08 132.9E–.20 32 3.9b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC I 03 21 14 37.7–.85 0.6S–.10 133.4E–.20 35 4.2b 21 19-86
IDC I 03 21 14 32.6–.83 0.55S 133.42E 0 4.4L,4.4 **¶11526869**
ISCJB I 03 21 14 35.6–.71 0.64S–.08 133.4E–.20 33 4.3b,4.4
DJA I 03 21 14 45 0.47N 133.23E 98 5.2b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=14.5km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=25.6km s-min=9.4km az=162.8.
IDC I 03 21 16 06.6–1.1 0.26S 132.66E 0 4.6L,4.4
¶12079963

IDC Error ellipse: s-maj=66.3km s-min=21.7km az=80.0.
IDC I 03 21 19 02.4–2.8 0.31S 132.70E 0 4.1,3.9L
¶12079964

IDC Error ellipse: s-maj=198.2km s-min=20.4km az=72.0.
IDC I 03 21 20 44.7–1.6 0.03S 133.10E 0 4.2,4.0
¶12079965

IDC Error ellipse: s-maj=87.2km s-min=17.8km az=69.0.
IDC I 03 21 21 24.9–1.5 0.89N 132.53E 0 4.5,4.3b
DJA I 03 21 21 17 1.70N 135.06E 10 5.6b,4.3b **¶12079966**
IDC Error ellipse: s-maj=66.7km s-min=17.1km az=73.0.
IDC I 03 21 25 47.7–1.2 0.27S 132.92E 0 4.7,4.5L
DJA I 03 21 26 12 0.72S 131.43E 32 4.8,4.5L **¶12079967**
IDC Error ellipse: s-maj=39.4km s-min=20.1km az=69.0.
IDC I 03 21 26 35.9–16 0.56N 134.01E 0 4.9,4.7
¶12079968

IDC Error ellipse: s-maj=252.8km s-min=143.5km az=160.0.
IDC I 03 21 28 31.0–1.5 0.56S 133.67E 0 4.6,4.4b
¶12079969

IDC Error ellipse: s-maj=73.8km s-min=29.8km az=78.0.
ISC I 03 21 30 47.8–.44 0.58S–.06 133.13E–.08 65–3 5.0b 234 16-155
IDC I 03 21 30 39.4–.50 0.48S 133.10E 0 4.9,4.8b **¶11527885**
BJI I 03 21 30 41.2 1.07S 133.42E 65 5.7s,5.6b
MOS I 03 21 30 42.8–1.1 0.50S 133.00E 33 5.3b,5.6b
ISCJB I 03 21 30 42.7–1.5 0.54S–.04 133.09E–.07 34–14 5.5s,5.0b
NEIC I 03 21 30 44.8–1.4 0.52S 133.10E 37–12 5.0b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=11.9km az=74.0.
MOS Error ellipse: s-maj=16.2km s-min=6.7km az=111.4.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.5km az=162.9.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.7km az=66.0.
IDC I 03 21 31 59.0–1.0 0.64S 133.50E 0 4.7L,4.7
¶12079970

IDC Error ellipse: s-maj=54.9km s-min=18.0km az=81.0.
ISC I 03 21 35 56.1–.91 1.01S–.08 132.9E–.20 35 4.6b 29 18-89
IDC I 03 21 35 49.4–.97 0.63S 133.58E 0 4.5L,4.4 **¶12079971**
ISCJB I 03 21 35 52.6–.66 0.77S–.06 133.4E–.20 33 4.5b,4.4
NEIC I 03 21 35 54.8–.58 0.69S 133.45E 35 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=16.0km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=27.3km s-min=8.3km az=170.8.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=8.5km az=81.0.
IDC I 03 21 43 48.3–1.1 0.49S 133.62E 0 4.3L,4.1
¶12079972

IDC Error ellipse: s-maj=56.2km s-min=17.3km az=80.0.
IDC I 03 21 47 49.4–2.1 0.33S 132.67E 0 4.3L,4.3
¶12079973

IDC Error ellipse: s-maj=82.2km s-min=19.8km az=75.0.
ISC I 03 21 49 32.3–.27 0.28S–.04 132.91E–.04 39–2 5.8s,5.5b 589 3-167
BJI I 03 21 49 25.9 0.78S 133.37E 42 6.0b,5.8s **¶11526871**
IDC I 03 21 49 26.5–.32 0.26S 132.81E 0 5.7s,5.7
MOS I 03 21 49 29.6–.98 0.33S 132.79E 33 5.8s,5.6b
DJA I 03 21 49 30 0.41S 132.97E 10 5.7b,5.6b
NEIC I 03 21 49 30.9–1.4 0.33S 132.89E 29–10 5.6b,5.6b
ISCJB I 03 21 49 30.7–.59 0.32S–.02 133.01E–.03 44–5 6.1s,5.5b

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Manokwari and Sorong.
ISCJB Event type fe.
ISC I 03 21 52 58.8–.50 0.41S–.08 132.9E–.10 32 4.9b 47 14-130
IDC I 03 21 52 54.0–.74 0.34S 132.99E 0 5.1L,4.9 ¶12079974
ISCJB I 03 21 52 57.0–.40 0.29S–.06 133.05E–.09 32 4.8b,4.9
NEIC I 03 21 52 59.3–.29 0.31S 133.04E 35 5.2b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=14.6km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.7km az=158.6.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.8km az=65.0.
IDC I 03 22 02 26.1–2.0 0.63N 133.14E 0 4.2,4.0
¶11526872
IDC Error ellipse: s-maj=104.9km s-min=28.9km az=100.0.
ISC I 03 22 03 18.7–.53 0.31S–.08 132.72E–.06 32 5.1b 75 3-152
IDC I 03 22 03 13.7–.60 0.36S 132.56E 0 4.9,4.8b ¶12079975
ISCJB I 03 22 03 16.1–.48 0.29S–.05 132.90E–.05 32 5.0b,4.8b
NEIC I 03 22 03 19.0–.33 0.40S 132.51E 35 5.0b,4.8b
DJA I 03 22 03 19 0.52S 132.64E 10 5.1b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=13.4km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.1km az=38.1.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.3km az=70.0.
ISC I 03 22 07 48.1–.40 0.24S–.04 132.98E–.05 37–1 6.0s,5.3b 274 3-153
BJI I 03 22 07 40.8 0.82S 133.43E 40 5.8b,5.7s ¶11526873
DJA I 03 22 07 41 0.19N 132.86E 10 5.5b,5.7s
IDC I 03 22 07 42.5–.40 0.22S 132.81E 0 5.0,4.9b
ISCJB I 03 22 07 46.3–.70 0.28S–.03 133.02E–.03 42–6 5.7s,5.2b
NEIC I 03 22 07 47.5–.18 0.28S 132.86E 35 5.3b,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=10.1km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.3km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.2km az=69.0. Felt [III] at Sorong.
IDC I 03 22 10 27.6–1.1 0.21S 132.58E 0 4.4,4.3b
¶12079976
IDC Error ellipse: s-maj=68.4km s-min=20.8km az=77.0.
IDC I 03 22 14 15.9–.90 0.20S 133.26E 0 4.4L,4.4
DJA I 03 22 14 34 1.53S 131.32E 10 4.6,4.4 ¶12079977
IDC Error ellipse: s-maj=44.2km s-min=15.9km az=77.0.
IDC I 03 22 16 46.4–.99 0.56S 133.40E 0 4.2L,4.2
¶12079978
IDC Error ellipse: s-maj=54.0km s-min=17.1km az=80.0.
IDC I 03 22 21 25.7–1.1 0.59S 133.32E 0 4.1,3.9L
¶12079979
IDC Error ellipse: s-maj=57.6km s-min=17.0km az=80.0.
ISC I 03 22 23 47.1–.31 0.56S–.04 132.30E–.06 33 5.0b 219 2-152
IDC I 03 22 23 42.3–.50 0.45S 132.15E 0 5.0L,4.7 ¶11526874
ISCJB I 03 22 23 45.3–.26 0.44S–.03 132.32E–.04 33 4.9b,4.8s
MOS I 03 22 23 46.5–1.3 0.54S 131.96E 38 5.1b,4.8s
NEIC I 03 22 23 47.7–.24 0.51S 132.16E 35 4.9b,4.8s
DJA I 03 22 23 49 0.70S 132.01E 10 5.1b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=11.7km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=165.6.
MOS Error ellipse: s-maj=15.4km s-min=6.7km az=110.5.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.0km az=70.0.
IDC I 03 22 32 16.1–1.9 0.53S 133.01E 0 4.4,4.2
¶12079980
IDC Error ellipse: s-maj=78.6km s-min=23.2km az=74.0.
ISC I 03 22 33 42.7–.27 0.71S–.02 133.31E–.03 34–0 7.3s,6.5b 1889 2-167
BJI I 03 22 33 32.6 1.43S 133.80E 33 7.4b,7.2s ¶13989020
IDC I 03 22 33 36.4–.26 0.72S 133.13E 0 7.2s,7.2
MOS I 03 22 33 39.7–1.1 0.70S 133.28E 33 7.0s,6.5b
NEIC I 03 22 33 40.3–.10 0.69S 133.31E 23 7.5,7.4s
TEH I 03 22 33 40.3 0.71S 133.36E 23 7.4L,7.4s
ISCJB I 03 22 33 41.3–.44 0.70S–.02 133.42E–.02 46–3 7.2s,6.4b
DJA I 03 22 33 45 0.83S 133.38E 60 7.5W,6.4b
SZGRF I 03 22 33 47.6 0.49S 131.98E 33 7.3b,6.4b
ISC Event type de.
IDC Error ellipse: s-maj=8.0km s-min=4.8km az=82.0.
MOS Error ellipse: s-maj=8.0km s-min=4.5km az=111.2. Moment Tensor Solution.
$M_0$9.00000×10^{19}
NEIC Event type de. Error ellipse: s-maj=4.4km s-min=3.4km az=63.0. Casualties and damage are included with the event at 19:33 UTC. Felt [VII] at Manokwari, [VI] at Sorong, [IV] at Nabire and [III] at Biak. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s310.00000°,δ75.00000°,λ100.00000°. NP2: ϕ_s96.00000°,δ18.00000°,λ57.00000°. Principal axes: T Plg59.0000°,Azm234.0000° ; N Plg0.0000°,Azm0.0000°; P Plg29.0000°,Azm32.0000° Moment Tensor Solution. s53 Moment tensor: Scale 10^{19}Nm; M_{rr}7.33 $M_{\theta\theta}$-7.43 $M_{\phi\phi}$0.10 $M_{r\theta}$-2.77 $M_{\theta\phi}$3.19 $M_{\phi r}$3.43
Best double couple: NP1:ϕ_s306.00000°,δ60.00000°,λ108.00000°. NP2:ϕ_s93.00000° ,δ35.00000°,λ62.00000°. Principal axes: T 8.8300,Plg69.0000°,Azm254.0000° ; N 0.6500,Plg15.0000°,Azm116.0000°; P -9.4800,Plg13.0000°,Azm22.0000°
$M_0$9.20000×10^{19} Moment Tensor Solution. $M_0$6.00000×10^{19}
ISCJB Event type de. Error ellipse: s-maj=3.6km s-min=2.8km az=147.9.
SZGRF Irian Jaya, Indonesia, region.
IDC I 03 22 45 10.9–5.0 1.30S 130.59E 0 4.3,4.3
¶12079982
IDC Error ellipse: s-maj=422.1km s-min=27.1km az=73.0.
IDC I 03 22 46 04.8–.80 1.09S 131.72E 0 4.7,4.6b
DJA I 03 22 46 24 0.75S 132.01E 13 5.3,4.6b ¶12079983
IDC Error ellipse: s-maj=49.1km s-min=18.5km az=79.0.
IDC I 03 22 47 41.7–.74 0.72S 133.76E 0 4.7L,4.7
¶12079984
IDC Error ellipse: s-maj=31.3km s-min=16.1km az=79.0.
ISC I 03 22 49 55.4–.66 0.6S–.10 133.7E–.20 28 4.4b 31 11-153
IDC I 03 22 49 51.1–.63 0.59S 133.74E 0 4.5,4.3L ¶11712553
ISCJB I 03 22 49 53.6–.72 0.59S–.10 133.7E–.20 28 4.3b,4.3L
ISC Event type ke.
ISCJB Event type ke.
IDC I 03 22 53 11.0–1.3 0.56S 133.87E 0 4.3L,4.3
¶12079986
IDC Error ellipse: s-maj=62.4km s-min=19.2km az=84.0.
IDC I 03 22 56 43.0–2.1 0.56S 133.36E 0 4.2,4.1L
DJA I 03 22 56 49 0.80S 133.05E 10 5.6,4.1L ¶12079987
IDC Error ellipse: s-maj=99.7km s-min=21.9km az=80.0.
IDC I 03 22 57 06.2–1.9 1.02S 133.86E 0 4.2L,4.1
¶12079988
IDC Error ellipse: s-maj=94.6km s-min=22.2km az=77.0.
IDC I 03 22 59 58.9–1.2 0.63S 133.50E 0 4.3,4.2L
¶12079989
IDC Error ellipse: s-maj=59.2km s-min=16.6km az=72.0.
ISC I 03 23 01 04.4–.49 0.47S–.05 133.37E–.07 34–1 5.4s,5.1b 135 3-153
DJA I 03 23 00 57 0.36S 133.58E 10 5.5b,5.1b ¶11526877
IDC I 03 23 01 00.8–.52 0.87S 132.37E 0 4.6,4.5
BJI I 03 23 01 03.2 0.10S 133.56E 22 5.2s,5.0b
NEIC I 03 23 01 04.2–.49 0.51S 133.22E 35 5.2b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=8.4km az=86.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=7.6km az=63.0.
IDC I 03 23 09 34.4–4.5 1.05S 132.09E 0 4.0,3.8b
¶12079990
IDC Error ellipse: s-maj=307.4km s-min=23.5km az=74.0.
IDC I 03 23 10 35.4–.78 0.45S 133.36E 0 4.4,4.3L
DJA I 03 23 10 42 0.20S 133.01E 23 5.2,4.3L ¶12079991
IDC Error ellipse: s-maj=42.9km s-min=15.5km az=81.0.
IDC I 03 23 11 51.8–1.1 0.55S 133.96E 0 4.1,4.0L
¶12079992
IDC Error ellipse: s-maj=65.0km s-min=21.5km az=78.0.
IDC I 03 23 13 34.3–.98 0.22S 133.17E 0 4.1,4.0
¶12079993
IDC Error ellipse: s-maj=55.6km s-min=16.5km az=79.0.
IDC I 03 23 15 07.6–16 0.00S 132.74E 0 4.5,4.3L
¶11526878
IDC Error ellipse: s-maj=250.0km s-min=96.8km az=165.0.
ISC I 03 23 16 03.1–.87 0.69S–.10 133.6E–.10 28 4.2b 20 3-131
IDC I 03 23 15 59.0–.97 0.62S 133.61E 0 4.4L,4.3 ¶12079994
ISCJB I 03 23 16 01.4–.70 0.68S–.07 133.61E–.07 28 4.1b,4.3
DJA I 03 23 16 06 0.69S 133.12E 10 5.3b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=53.5km s-min=16.8km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=10.5km az=137.8.
IDC I 03 23 20 32.9–1.0 1.69N 133.50E 0 4.2,4.0b
¶12079995
IDC Error ellipse: s-maj=61.3km s-min=19.7km az=77.0.
IDC I 03 23 21 44.0–.90 0.59S 133.44E 0 4.2,4.1L
¶12079996
IDC Error ellipse: s-maj=47.9km s-min=16.1km az=83.0.
IDC I 03 23 22 32.0–1.1 0.38S 133.68E 0 4.1,3.9b
¶12079997
IDC Error ellipse: s-maj=56.4km s-min=20.3km az=82.0.
IDC I 03 23 25 43.9–2.4 0.44S 133.97E 0 4.1L,3.9
¶11526879
IDC Error ellipse: s-maj=120.2km s-min=19.9km az=82.0.
ISC I 03 23 26 11.9–.46 0.52S–.07 133.59E–.07 28 4.5b 87 3-153
BJI I 03 23 26 06.7 0.71S 133.86E 21 4.8b ¶12079998
IDC I 03 23 26 07.5–.54 0.53S 133.57E 0 4.5L,4.5
ISCJB I 03 23 26 10.0–.31 0.51S–.04 133.55E–.05 28 4.5b,4.5
DJA I 03 23 26 12 0.45S 133.55E 85 5.2b,4.5
NEIC I 03 23 26 12.6–.30 0.58S 133.58E 35 4.7b,4.5
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=12.4km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.9km az=145.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.9km az=75.0.
IDC I 03 23 30 08.2–1.2 0.19S 132.64E 0 4.3,4.1L
¶12080000
IDC Error ellipse: s-maj=69.4km s-min=21.0km az=76.0.
IDC I 03 23 31 18.5–1.2 0.49S 134.46E 0 4.4L,4.0
¶12080001
IDC Error ellipse: s-maj=48.8km s-min=19.2km az=83.0.
ISC I 03 23 36 03.9–.67 0.5S–.10 133.8E–.20 32 4.4b 55 16-153
IDC I 03 23 35 59.0–.80 0.38S 133.90E 0 4.7L,4.5 ¶11712555
ISCJB I 03 23 36 02.8–.60 0.4S–.10 133.6E–.20 32 4.4b,4.5
NEIC I 03 23 36 04.4–.44 0.41S 133.83E 35 4.7b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=43.0km s-min=18.3km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=9.9km az=151.4.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=8.4km az=72.0.
IDC I 03 23 41 48.9–1.2 0.24S 133.01E 0 3.9,3.7
¶12080003
IDC Error ellipse: s-maj=69.2km s-min=21.7km az=79.0.
IDC I 03 23 42 53.0–.86 0.14S 133.12E 0 4.4L,4.3
¶12080004
IDC Error ellipse: s-maj=52.5km s-min=13.0km az=81.0.
IDC I 03 23 45 38.1–1.2 0.25S 133.91E 0 3.8,3.7L
¶12080005
IDC Error ellipse: s-maj=71.6km s-min=21.1km az=79.0.
IDC I 03 23 49 26.4–1.8 0.41S 133.35E 0 4.1,3.9b
¶12080006
IDC Error ellipse: s-maj=145.1km s-min=19.5km az=73.0.
IDC I 03 23 50 23.7–2.1 0.26S 132.59E 0 3.9,3.7b
¶12080007
IDC Error ellipse: s-maj=146.1km s-min=22.2km az=77.0.
IDC I 03 23 53 21.4–7.6 0.45S 133.63E 0 3.8,3.7L
¶12080008
IDC Error ellipse: s-maj=442.6km s-min=27.0km az=76.0.
IDC I 03 23 54 41.4–2.5 0.82S 133.13E 0 3.8,3.7L
¶12080009
IDC Error ellipse: s-maj=145.2km s-min=23.9km az=75.0.
IDC I 03 23 55 51.3–2.3 0.68S 133.54E 0 4.1,3.9b
¶12080010
IDC Error ellipse: s-maj=169.5km s-min=18.8km az=74.0.
IDC I 03 23 57 20.3–2.7 0.14S 132.68E 0 4.0,3.8L
¶12080011
IDC Error ellipse: s-maj=163.4km s-min=23.7km az=74.0.
IDC I 03 23 58 13.0–4.1 0.29S 132.59E 0 3.7L,3.7
¶12080012
IDC Error ellipse: s-maj=292.4km s-min=23.7km az=75.0.
IDC I 03 23 58 28.4–1.2 0.89S 132.99E 0 4.0L,3.9
¶12080013
IDC Error ellipse: s-maj=67.7km s-min=22.2km az=78.0.
IDC I 03 23 59 00.5–1.3 0.38S 133.77E 0 4.3,4.0
¶12080014
IDC Error ellipse: s-maj=65.9km s-min=23.7km az=80.0.
IDC I 03 23 59 49.2–.98 0.31S 132.61E 0 4.2L,4.2
¶15964312
IDC Error ellipse: s-maj=68.8km s-min=18.2km az=75.0.
ISC I 04 00 00 37.9–.33 0.70S–.04 133.38E–.05 34–1 6.0s,5.5b 434 2-161
IDC I 04 00 00 32.7–.42 0.74S 133.21E 0 5.4L,5.3 ¶13404587
BJI I 04 00 00 34.0 0.88S 133.55E 35 6.0b,5.9s
ISCJB I 04 00 00 35.9–.76 0.69S–.03 133.38E–.04 33–6 6.2s,5.4b
MOS I 04 00 00 36.4–1.1 0.64S 133.18E 34 5.5b,5.4b
NEIC I 04 00 00 38.1–.19 0.69S 133.28E 35 5.5b,5.4b
DJA I 04 00 00 41 0.91S 133.25E 45 5.6b,5.4b
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=9.9km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.1km az=159.2.
MOS Error ellipse: s-maj=12.4km s-min=5.6km az=111.1.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.1km az=65.0.
ISC I 04 00 05 11.7–.27 0.22S–.04 133.01E–.06 35–5 5.8s,5.3b 377 3-161
IDC I 04 00 05 05.9–.42 0.16S 133.02E 0 5.1,5.1 ¶11712558
BJI I 04 00 05 06.2 0.56S 133.37E 35 6.0b,5.8s
NEIC I 04 00 05 09.5–2.6 0.19S 132.99E 20–18 5.2b,5.8s
ISCJB I 04 00 05 09.3–.22 0.16S–.03 133.16E–.04 32 5.7s,5.2b
DJA I 04 00 05 10 0.27S 133.13E 10 5.5b,5.2b
MOS I 04 00 05 10.1–1.1 0.12S 132.95E 33 5.4b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=11.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.4km az=173.3.
MOS Error ellipse: s-maj=12.8km s-min=6.1km az=113.5.
ISC I 04 00 14 57.7–.57 0.3S–.10 132.8E–.20 33 4.5b 55 17-130
IDC I 04 00 14 52.0–.75 0.26S 133.04E 0 4.4L,4.2 ¶12080016
ISCJB I 04 00 14 55.4–.56 0.28S–.08 132.9E–.20 33 4.5b,4.2
DJA I 04 00 15 00 0.29S 132.74E 36 5.1b,4.2
NEIC I 04 00 15 04.4–2.9 0.41S 132.75E 98–28 4.1b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=14.7km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=24.3km s-min=8.4km az=160.2.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=9.2km az=68.0.
IDC I 04 00 16 47.0–1.6 0.33S 132.64E 0 4.2L,4.0
¶12080017
IDC Error ellipse: s-maj=116.8km s-min=18.6km az=73.0.
IDC I 04 00 17 27.5–2.2 0.14N 133.51E 0 4.1,3.9b
¶12080018
IDC Error ellipse: s-maj=127.3km s-min=24.7km az=74.0.
IDC I 04 00 18 59.5–2.7 0.14S 133.10E 0 4.0,3.9
¶12080019
IDC Error ellipse: s-maj=182.6km s-min=26.2km az=77.0.
IDC I 04 00 19 04.2–.78 0.11S 133.06E 0 4.4L,4.3
¶12080020
IDC Error ellipse: s-maj=49.3km s-min=15.2km az=71.0.

IDC I 04 00 22 25.6–.91 0.60S 133.72E 0 4.2L,4.2
DJA I 04 00 22 34 1.44S 133.82E 155 4.6b,4.2 ¶12080022
IDC Error ellipse: s-maj=41.8km s-min=17.1km az=79.0.
IDC I 04 00 23 30.8–1.7 0.22S 133.22E 0 4.3,4.1b
¶12080023
IDC Error ellipse: s-maj=113.6km s-min=20.4km az=74.0.
ISC I 04 00 25 08.5–.59 0.41S–.08 133.3E–.10 28 4.7b 64 3-151
IDC I 04 00 25 03.5–.82 0.42S 133.44E 0 4.5,4.3L ¶12080024
ISCJB I 04 00 25 07.1–.56 0.34S–.06 133.4E–.10 33 4.6b,4.3L
NEIC I 04 00 25 09.5–.39 0.36S 133.31E 35 4.6b,4.3L
DJA I 04 00 25 29 0.66S 132.25E 27 4.8,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=43.7km s-min=12.7km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=6.1km az=159.4.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=6.9km az=69.0.
IDC I 04 00 28 47.0–1.8 0.54S 133.29E 0 4.1,4.0L
¶12080025
IDC Error ellipse: s-maj=116.7km s-min=20.4km az=74.0.
IDC I 04 00 34 07.5–4.1 0.41S 132.57E 0 3.7,3.5L
¶12080028
IDC Error ellipse: s-maj=249.0km s-min=26.9km az=74.0.
IDC I 04 00 37 24.8–7.1 0.48S 133.04E 0 3.7,3.5b
¶12080029
IDC Error ellipse: s-maj=436.2km s-min=26.2km az=75.0.
ISC I 04 00 40 28.3–.39 0.67S–.05 133.72E–.07 28 4.6b 115 2-153
BJI I 04 00 40 21.7 0.96S 134.04E 20 4.7b ¶11528210
IDC I 04 00 40 24.0–.69 0.61S 133.80E 0 4.5,4.4L
ISCJB I 04 00 40 26.7–.33 0.61S–.04 133.71E–.06 28 5.5s,4.5b
MOS I 04 00 40 27.6–1.0 0.67S 133.55E 33 4.9b,4.5b
DJA I 04 00 40 27 0.72S 133.59E 10 5.3b,4.5b
NEIC I 04 00 40 29.8–.32 0.66S 133.66E 35 4.6b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=15.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.1km az=177.7.
MOS Error ellipse: s-maj=18.7km s-min=8.5km az=114.6.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.0km az=71.0.
IDC I 04 00 44 25.9–1.0 0.28S 133.13E 0 4.1,3.9b
DJA I 04 00 44 47 1.40S 131.81E 30 4.3,3.9b ¶12080030
IDC Error ellipse: s-maj=51.3km s-min=17.9km az=73.0.
IDC I 04 00 45 55.8–1.0 0.37S 133.78E 0 4.1,4.0
¶12080031
IDC Error ellipse: s-maj=51.6km s-min=18.2km az=75.0.
IDC I 04 00 48 12.7–2.9 0.08S 133.48E 0 3.9L,3.9
¶12080032
IDC Error ellipse: s-maj=179.3km s-min=23.4km az=77.0.
IDC I 04 00 49 31.5–1.2 0.49S 134.00E 0 4.1,4.0b
¶12080033
IDC Error ellipse: s-maj=67.1km s-min=22.0km az=79.0.
IDC I 04 00 50 06.5–1.9 0.31S 133.40E 0 4.2L,4.2
¶12080034
IDC Error ellipse: s-maj=117.3km s-min=20.0km az=72.0.
IDC I 04 00 53 08.4–2.4 0.67S 133.19E 0 4.2L,4.2
¶12080035
IDC Error ellipse: s-maj=134.6km s-min=22.9km az=75.0.
IDC I 04 00 53 59.4–1.3 0.38S 133.75E 0 4.0L,4.0
¶12080036
IDC Error ellipse: s-maj=74.5km s-min=21.9km az=79.0.
IDC I 04 00 54 17.2–1.2 0.47S 133.64E 0 4.2L,4.2
¶12080037
IDC Error ellipse: s-maj=50.5km s-min=22.8km az=75.0.
ISC I 04 00 55 35.6–.37 0.20S–.04 132.96E–.06 34–1 5.8s,5.1b 278 3-154
BJI I 04 00 55 29.7 0.63S 133.21E 35 5.9s,5.6b ¶11528211
IDC I 04 00 55 30.1–.51 0.21S 132.88E 0 4.8,4.7b
ISCJB I 04 00 55 33.3–.23 0.13S–.02 133.08E–.04 32 5.7s,5.0b
MOS I 04 00 55 34.5–.97 0.05S 132.79E 33 5.3b,5.0b
NEIC I 04 00 55 36.2–1.2 0.19S 132.86E 39–11 5.1b,5.0b
DJA I 04 00 55 44 0.74S 132.69E 83 5.1b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=10.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=176.4.
MOS Error ellipse: s-maj=16.4km s-min=7.0km az=114.9.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.6km az=63.0.
IDC I 04 00 58 56.1–2.5 0.35S 133.10E 0 4.1,4.0
¶12080038
IDC Error ellipse: s-maj=143.3km s-min=23.7km az=75.0.
ISC I 04 01 02 55.0–.41 0.71S–.05 133.60E–.07 28 4.6b 87 3-153
BJI I 04 01 02 48.5 1.01S 134.16E 24 5.3b,4.7b ¶11528212
IDC I 04 01 02 51.0–.67 0.74S 133.60E 0 4.6L,4.5
ISCJB I 04 01 02 53.5–.30 0.65S–.04 133.66E–.05 28 4.5b,4.5
NEIC I 04 01 02 56.3–.25 0.73S 133.51E 35 4.7b,4.5
DJA I 04 01 02 58 0.75S 133.48E 54 5.0b,4.5
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=14.9km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.3km az=163.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.9km az=64.0.
IDC I 04 01 03 59.5–1.1 0.61S 133.18E 0 4.5,4.3L
¶12080039
IDC Error ellipse: s-maj=71.1km s-min=19.0km az=76.0.
IDC I 04 01 07 19.1–2.9 0.22S 133.23E 0 4.0L,4.0
¶12080040
IDC Error ellipse: s-maj=153.6km s-min=26.6km az=74.0.
IDC I 04 01 09 26.6–2.9 0.23S 133.86E 0 3.8,3.6b
¶12080041
IDC Error ellipse: s-maj=177.9km s-min=23.6km az=77.0.
IDC I 04 01 12 00.1–2.8 0.66S 133.22E 0 3.6,3.4
¶12080042
IDC Error ellipse: s-maj=141.8km s-min=26.8km az=75.0.
IDC I 04 01 12 57.5–3.1 0.35S 133.35E 0 3.7,3.6b
¶12080043
IDC Error ellipse: s-maj=196.5km s-min=24.4km az=73.0.
ISC I 04 01 19 04.2–.81 0.58S–.09 133.4E–.10 28 4.3b 15 3-131
IDC I 04 01 19 00.1–.82 0.52S 133.39E 0 4.4,4.2b ¶11528213
ISCJB I 04 01 19 03.1–.78 0.44S–.08 133.3E–.10 28 4.2b,4.2b
DJA I 04 01 19 05 0.55S 133.12E 12 5.0b,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=58.6km s-min=17.4km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=11.3km az=20.2.
IDC I 04 01 20 34.1–7.4 0.91S 133.16E 0 3.7,3.6b
¶12080044
IDC Error ellipse: s-maj=448.0km s-min=27.5km az=75.0.
IDC I 04 01 22 35.3–3.1 0.55S 133.52E 0 4.1,4.0b
DJA I 04 01 22 31 0.22S 133.81E 13 4.8,4.0b ¶12080045
IDC Error ellipse: s-maj=206.6km s-min=20.9km az=74.0.
IDC I 04 01 26 54.0–1.2 0.93S 133.37E 0 4.0,3.9
DJA I 04 01 27 13 0.87S 132.10E 15 4.3,3.9 ¶12080046
IDC Error ellipse: s-maj=54.0km s-min=21.4km az=76.0.
IDC I 04 01 29 39.6–1.1 0.67S 133.64E 0 3.9,3.8L
¶12080047
IDC Error ellipse: s-maj=61.1km s-min=21.6km az=79.0.
IDC I 04 01 34 19.4–2.5 0.80S 133.02E 0 3.8,3.6L
¶12080048
IDC Error ellipse: s-maj=141.2km s-min=22.8km az=75.0.
IDC I 04 01 36 04.0–2.4 0.20S 133.14E 0 4.0L,4.0
DJA I 04 01 36 07 0.17S 133.03E 14 4.5,4.0 ¶12080049
IDC Error ellipse: s-maj=184.7km s-min=17.4km az=74.0.
IDC I 04 01 37 20.4–2.7 0.09S 133.58E 0 3.9,3.8b
¶12080050
IDC Error ellipse: s-maj=196.8km s-min=19.8km az=73.0.
ISC I 04 01 42 18.9–1.2 0.6S–.10 133.8E–.40 28 4.5b 12 19-86
IDC I 04 01 42 15.5–1.0 0.62S 133.54E 0 4.3,4.1b ¶12080051
ISCJB I 04 01 42 18.0–.78 0.76S–.09 133.3E–.30 28 4.4b,4.1b
DJA I 04 01 42 20 0.68S 133.10E 13 4.6,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=68.8km s-min=17.3km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=46.8km s-min=10.3km az=170.0.
ISC I 04 01 44 27.3–.96 0.6S–.10 133.7E–.40 28 4.0b 9 19-86
IDC I 04 01 44 23.1–.99 0.52S 133.72E 0 4.2,4.1L ¶12080052
ISCJB I 04 01 44 25.5–.85 0.55S–.10 133.6E–.30 28 3.9b,4.1L
DJA I 04 01 44 28 0.90S 133.68E 10 5.2b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=65.5km s-min=18.0km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=42.1km s-min=13.1km az=172.8.
ISC I 04 01 52 09.1–.85 0.4S–.10 132.9E–.30 32 4.2b 27 19-130
IDC I 04 01 52 04.3–.95 0.35S 132.88E 0 4.1,4.0L ¶11528214
ISCJB I 04 01 52 07.5–.72 0.4S–.10 132.8E–.20 32 4.1b,4.0L
DJA I 04 01 52 09 0.28S 132.82E 12 4.6,4.0L
NEIC I 04 01 52 09.8–.61 0.39S 132.83E 35 4.5b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=54.1km s-min=16.7km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=35.4km s-min=10.5km az=161.8.
NEIC Event type se. Error ellipse: s-maj=31.1km s-min=9.0km az=72.0.
ISC I 04 01 55 24.3–.31 0.74S–.04 133.74E–.05 28–1 5.2b,5.1s 308 2-153
BJI I 04 01 55 13.4 1.64S 134.19E 20 5.4b,5.3s ¶11712563
IDC I 04 01 55 19.7–.59 0.71S 133.65E 0 4.9L,4.8
MOS I 04 01 55 23.4–.99 0.78S 133.43E 33 5.3b,4.8
NEIC I 04 01 55 23.4–.20 0.73S 133.55E 20 5.3b,4.8
ISCJB I 04 01 55 24.9–.68 0.77S–.03 133.62E–.03 47–6 5.1b,5.0s
DJA I 04 01 55 27 0.98S 133.59E 14 5.4b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=13.9km az=77.0.
MOS Error ellipse: s-maj=13.2km s-min=6.2km az=112.1.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.7km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.7km az=43.5.
IDC I 04 02 04 44.5–1.4 0.66S 133.63E 0 3.8,3.6L
¶12080053
IDC Error ellipse: s-maj=76.5km s-min=23.8km az=80.0.
IDC I 04 02 09 40.7–1.2 0.66S 137.07E 0 3.8,3.6b
DJA I 04 02 09 43 0.42S 136.74E 15 5.1,3.6b ¶11528216
IDC Error ellipse: s-maj=70.5km s-min=20.2km az=83.0.
ISC I 04 02 10 39.1–.49 0.45S–.07 132.92E–.10 32 4.8b 73 3-153
IDC I 04 02 10 34.5–.74 0.47S 132.90E 0 4.8L,4.8s ¶12080054
ISCJB I 04 02 10 37.4–.39 0.45S–.04 132.95E–.06 32 4.8s,4.6b
BJI I 04 02 10 38.5 0.66S 133.09E 60 5.1b,4.6b
DJA I 04 02 10 38.1–.50 0S–6.0 133E–5.0 10 5.8b,5.3
NEIC I 04 02 10 38.8–.30 0.54S 132.63E 25 4.7b,5.3
ISC Event type se.
IDC Error ellipse: s-maj=45.4km s-min=15.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.6km az=156.2.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=5.4km az=64.0.
IDC I 04 02 18 35.0–3.7 0.59S 133.28E 0 4.0,3.8L
¶12080055
IDC Error ellipse: s-maj=261.3km s-min=30.2km az=95.0.
IDC I 04 02 27 20.8–1.0 0.31S 133.02E 0 4.2s,4.2
¶12080056
IDC Error ellipse: s-maj=69.8km s-min=18.3km az=76.0.
ISC I 04 02 29 01.7–.64 0.73S–.04 133.73E–.06 34–2 4.7b,4.6s 196 2-153
BJI I 04 02 28 55.1 1.26S 134.08E 35 5.1b,4.9s ¶11528218
IDC I 04 02 28 56.8–.65 0.70S 133.69E 0 4.6L,4.6
MOS I 04 02 28 59.9–.94 0.72S 133.60E 33 4.8b,4.6
NEIC I 04 02 29 00.7–3.1 0.69S 133.58E 23–23 4.8b,4.6
ISCJB I 04 02 29 00.2–.99 0.73S–.04 133.69E–.05 36–9 4.7b,4.6s
DJA I 04 02 29 03 0.96S 133.60E 15 5.2b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=14.2km az=79.0.
MOS Error ellipse: s-maj=15.8km s-min=6.7km az=111.6.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.5km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.2km az=154.4.
IDC I 04 02 33 55.7–2.6 0.62S 133.26E 0 4.0,3.9
¶12080057
IDC Error ellipse: s-maj=158.1km s-min=23.0km az=72.0.
IDC I 04 02 36 05.0–1.1 0.91S 132.64E 0 4.0,3.9L
¶12080058
IDC Error ellipse: s-maj=76.6km s-min=20.5km az=79.0.
IDC I 04 02 42 41.4–3.0 0.60S 134.23E 0 3.5L,3.5
¶12080059
IDC Error ellipse: s-maj=143.9km s-min=27.1km az=76.0.
ISC I 04 02 47 13.0–.42 0.24S–.04 132.75E–.06 23–2 4.8b,4.4s 211 3-154
BJI I 04 02 47 05.4 1.00S 133.06E 20 5.2b,4.8s ¶11528219
IDC I 04 02 47 08.6–.55 0.22S 132.69E 0 5.0L,4.6
ISCJB I 04 02 47 09.3–1.9 0.22S–.04 132.80E–.05 15–13 4.7b,4.5s
MOS I 04 02 47 12.4–1.3 0.24S 132.54E 33 5.0b,4.5s
NEIC I 04 02 47 13.9–4.0 0.23S 132.73E 33–28 4.8b,4.5s
DJA I 04 02 47 16 0.51S 132.52E 15 5.0b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=11.5km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.7km az=145.0.
MOS Error ellipse: s-maj=17.1km s-min=7.6km az=111.8.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.6km az=57.0.
ISC I 04 02 49 17.6–.65 0.3S–.10 132.6E–.20 33 4.4b 31 17-86
IDC I 04 02 49 12.9–.84 0.31S 132.53E 0 4.4,4.3 ¶12080060
ISCJB I 04 02 49 16.1–.48 0.33S–.09 132.5E–.10 33 4.3b,4.3
NEIC I 04 02 49 18.1–.32 0.34S 132.52E 35 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=16.8km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=9.2km az=153.9.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=5.8km az=63.0.
IDC I 04 02 58 45.4–2.9 0.81S 133.27E 0 3.7,3.6L
¶12080061
IDC Error ellipse: s-maj=140.0km s-min=28.9km az=75.0.
IDC I 04 03 01 56.0–2.4 0.31S 132.95E 0 4.0,3.8L
¶12080062
IDC Error ellipse: s-maj=132.3km s-min=26.0km az=72.0.
IDC I 04 03 05 33.5–1.1 0.47S 133.19E 0 3.9,3.8L
DJA I 04 03 05 38 0.27S 132.97E 68 4.4,3.8L ¶12080063
IDC Error ellipse: s-maj=70.3km s-min=15.4km az=82.0.
IDC I 04 03 14 55.3–1.2 0.62S 133.42E 0 3.9,3.7L
¶12080065
IDC Error ellipse: s-maj=71.0km s-min=20.2km az=77.0.
IDC I 04 03 16 42.3–3.2 0.36S 133.27E 0 3.7,3.6L
¶12080066
IDC Error ellipse: s-maj=204.1km s-min=24.1km az=72.0.
IDC I 04 03 18 42.6–3.0 0.63S 134.11E 0 3.8,3.6b
¶12080067
IDC Error ellipse: s-maj=160.1km s-min=24.4km az=77.0.
IDC I 04 03 25 33.4–2.6 0.79S 133.06E 0 3.7L,3.7
¶12080068
IDC Error ellipse: s-maj=191.8km s-min=18.9km az=73.0.
ISC I 04 03 27 02.7–.69 0.6S–.10 133.9E–.20 32 4.1b 34 19-153
IDC I 04 03 26 57.9–.78 0.62S 133.95E 0 4.2L,4.1 ¶12080069
ISCJB I 04 03 27 00.9–.65 0.62S–.08 133.9E–.20 32 4.1b,4.1
NEIC I 04 03 27 03.3–.44 0.64S 133.86E 35 4.5b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=16.1km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=27.7km s-min=9.7km az=169.2.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=7.3km az=75.0.
ISC I 04 03 28 30.7–.36 0.69S–.05 133.62E–.07 43–2 4.8b,4.4s 238 3-161
BJI I 04 03 28 22.1 1.42S 134.07E 40 5.2b,4.8b ¶11528220
IDC I 04 03 28 24.4–.51 0.67S 133.70E 0 4.6b,4.6L
MOS I 04 03 28 27.9–.95 0.69S 133.46E 33 5.1b,4.6L
ISCJB I 04 03 28 28.6–1.1 0.69S–.04 133.60E–.05 37–10 4.8b,4.4s
NEIC I 04 03 28 29.5–2.3 0.66S 133.51E 32–16 4.9b,4.4s
DJA I 04 03 28 29 0.48S 133.61E 60 5.3b,4.4s

ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=12.8km az=74.0.
MOS Error ellipse: s-maj=14.4km s-min=6.9km az=110.2.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.1km az=146.4.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.7km az=65.0.
IDC I 04 03 34 46.0–2.0 0.71S 133.24E 0 4.0,3.8L
¶12080071

IDC Error ellipse: s-maj=116.9km s-min=21.8km az=73.0.
ISC I 04 03 36 48.1–.85 0.23S–.10 132.8E–.30 33 4.1b 28 20-86
IDC I 04 03 36 43.1–.95 0.23S 132.80E 0 4.1,4.0L **¶11528221**
ISCJB I 04 03 36 46.2–.68 0.28S–.08 132.7E–.20 33 4.0b,4.0L
NEIC I 04 03 36 48.2–.44 0.29S 132.71E 35 4.5b,4.0L
DJA I 04 03 36 49 0.31S 132.70E 26 4.9b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=50.4km s-min=12.7km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=32.3km s-min=9.4km az=166.2.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=6.0km az=76.0.
IDC I 04 03 42 04.8–7.0 0.60S 133.95E 0 4.0,3.9b
¶12080072

IDC Error ellipse: s-maj=417.5km s-min=23.3km az=77.0.
IDC I 04 03 43 39.3–25 0.37N 133.16E 0 3.9,3.8
¶12080073

IDC Error ellipse: s-maj=444.7km s-min=215.8km az=139.0.
IDC I 04 03 44 17.3–2.7 1.08S 133.61E 0 3.7,3.6L
¶12080074

IDC Error ellipse: s-maj=146.7km s-min=24.3km az=76.0.
IDC I 04 03 46 32.5–3.0 0.89S 130.56E 0 3.9,3.8b
¶12080075

IDC Error ellipse: s-maj=234.4km s-min=22.3km az=72.0.
IDC I 04 03 52 06.7–13 0.94S 133.24E 0 4.1,3.9b
DJA I 04 03 52 02 0.11S 133.23E 23 4.6,3.9b **¶12080076**
IDC Error ellipse: s-maj=203.1km s-min=127.5km az=149.0.
IDC I 04 03 56 16.6–3.7 0.21S 134.80E 0 3.4,3.3b
¶12080078

IDC Error ellipse: s-maj=199.4km s-min=24.2km az=78.0.
IDC I 04 04 01 10.2–2.5 0.49S 133.45E 0 3.8L,3.8
DJA I 04 04 01 13 0.71S 133.52E 20 4.5b,3.8 **¶12080079**
IDC Error ellipse: s-maj=138.0km s-min=23.6km az=76.0.
IDC I 04 04 05 41.3–3.3 1.11S 132.70E 0 3.6s,3.6
¶12080080

IDC Error ellipse: s-maj=187.6km s-min=26.6km az=74.0.
ISC I 04 04 09 49.2–.54 0.71S–.07 133.08E–.08 35 4.4b 41 2-153
IDC I 04 04 09 43.9–.76 0.72S 133.18E 0 4.3,4.2 **¶11528222**
ISCJB I 04 04 09 47.0–.46 0.74S–.06 133.15E–.07 33 4.3b,4.2
NEIC I 04 04 09 48.3–.43 0.76S 133.14E 29 4.6b,4.2
DJA I 04 04 09 49 0.87S 133.32E 17 5.0b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=49.1km s-min=17.0km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=8.2km az=163.5.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=8.0km az=73.0.
IDC I 04 04 17 02.6–1.2 0.11S 133.20E 0 3.9L,3.8
DJA I 04 04 17 12 0.41S 132.32E 15 4.8b,3.8 **¶12080081**
IDC Error ellipse: s-maj=65.2km s-min=22.2km az=81.0.
IDC I 04 04 21 15.5–2.7 0.40S 133.53E 0 4.2,4.1b
DJA I 04 04 21 22 0.65S 132.98E 10 4.2,4.1b **¶12080082**
IDC Error ellipse: s-maj=198.8km s-min=20.0km az=74.0.
IDC I 04 04 24 45.0–2.3 1.47S 132.82E 0 3.8,3.7L
¶12080083

IDC Error ellipse: s-maj=121.3km s-min=27.8km az=72.0.
IDC I 04 04 29 25.6–1.2 0.35S 134.13E 0 3.9,3.7L
¶12080084

IDC Error ellipse: s-maj=61.2km s-min=23.2km az=81.0.
IDC I 04 04 30 25.4–1.3 0.66S 134.12E 0 4.0,3.8b
¶12080085

IDC Error ellipse: s-maj=64.8km s-min=23.1km az=80.0.
ISC I 04 04 31 25.6–.58 0.24S–.08 132.9E–.10 32 4.6b 60 3-130
IDC I 04 04 31 20.9–.77 0.22S 132.93E 0 4.6,4.5 **¶11528223**
ISCJB I 04 04 31 23.8–.40 0.24S–.05 132.83E–.07 32 4.5b,3.4s
NEIC I 04 04 31 26.2–.29 0.28S 132.80E 35 4.6b,3.4s
DJA I 04 04 31 31 0.63S 132.49E 14 4.9b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=49.7km s-min=15.8km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.1km az=159.4.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=5.1km az=66.0.
ISC I 04 04 34 30.6–.88 0.7S–.10 133.6E–.40 28 4.2b 22 19-86
IDC I 04 04 34 26.3–.99 0.70S 133.67E 0 4.2,4.1L **¶12080086**
ISCJB I 04 04 34 28.8–.78 0.72S–.10 133.5E–.30 28 4.2b,4.1L
NEIC I 04 04 34 31.6–.57 0.69S 133.64E 35 4.5b,4.1L
DJA I 04 04 34 53 1.60S 132.06E 15 4.3,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=63.5km s-min=17.8km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=51.0km s-min=9.3km az=167.7.
NEIC Event type se. Error ellipse: s-maj=38.0km s-min=7.0km az=78.0.
IDC I 04 04 37 19.5–2.0 0.10S 133.76E 0 4.0,3.9b
DJA I 04 04 37 29 0.54S 132.85E 15 4.2,3.9b **¶12080088**
IDC Error ellipse: s-maj=125.0km s-min=20.7km az=73.0.
IDC I 04 04 43 28.0–2.4 0.66S 131.24E 0 3.9,3.8L
¶12080089

IDC Error ellipse: s-maj=180.4km s-min=20.9km az=74.0.
IDC I 04 04 48 45.4–2.6 0.66S 131.34E 0 4.0L,4.0
DJA I 04 04 48 45 1.65S 129.85E 15 3.9,4.0 **¶12080090**
IDC Error ellipse: s-maj=186.2km s-min=23.5km az=70.0.
IDC I 04 04 50 38.9–1.3 0.66S 133.54E 0 3.8,3.5L
¶12080091

IDC Error ellipse: s-maj=69.6km s-min=25.7km az=84.0.
IDC I 04 04 55 18.7–1.3 0.67S 134.21E 0 3.8L,3.7
¶12080092

IDC Error ellipse: s-maj=66.6km s-min=25.2km az=86.0.
IDC I 04 04 58 02.9–1.1 0.04S 133.33E 0 3.9,3.8L
DJA I 04 04 58 06 1.55S 129.96E 10 3.4,3.8L **¶12080093**
IDC Error ellipse: s-maj=66.5km s-min=20.4km az=78.0.
IDC I 04 05 00 05.4–3.4 0.72S 133.20E 0 3.6,3.4L
¶12080094

IDC Error ellipse: s-maj=202.6km s-min=23.6km az=76.0.
IDC I 04 05 04 08.9–1.1 0.14S 133.10E 0 3.8,3.7L
DJA I 04 05 04 11 0.05S 132.96E 15 4.6b,3.7L **¶12080095**
IDC Error ellipse: s-maj=67.3km s-min=20.1km az=78.0.
IDC I 04 05 05 08.5–1.1 0.83S 133.25E 0 4.1,4.0b
¶12080096

IDC Error ellipse: s-maj=62.9km s-min=19.4km az=76.0.
ISC I 04 05 06 29.4–.84 0.2S–.10 133.3E–.10 35 3.8b 19 14-69
IDC I 04 05 06 24.6–1.5 0.14S 133.33E 0 4.2L,4.0 **¶12080097**
ISCJB I 04 05 06 27.5–.67 0.2S–.10 133.2E–.10 33 3.8b,4.0
NEIC I 04 05 06 29.7–.64 0.20S 133.24E 35 4.1b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=83.5km s-min=17.5km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=19.4km s-min=10.6km az=142.4.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=10.1km az=54.0.
IDC I 04 05 12 21.2–1.2 0.55S 133.80E 0 3.9,3.7b
¶12080099

IDC Error ellipse: s-maj=66.7km s-min=22.2km az=79.0.
IDC I 04 05 20 45.8–2.5 0.82S 132.79E 0 3.7,3.6L
¶12080101

IDC Error ellipse: s-maj=146.2km s-min=23.4km az=75.0.
IDC I 04 05 22 08.0–1.2 0.88S 133.08E 0 3.8,3.7L
DJA I 04 05 22 11 0.46S 133.55E 112 4.4,3.7L **¶12080102**
IDC Error ellipse: s-maj=62.2km s-min=23.1km az=79.0.
ISC I 04 05 26 57.0–1.0 0.6S–.10 133.4E–.40 28 4.3b 14 19-86
IDC I 04 05 26 52.9–1.2 0.52S 133.46E 0 4.2,4.0b **¶12080104**
ISCJB I 04 05 26 55.2–.90 0.6S–.10 133.4E–.30 28 4.2b,4.0b
NEIC I 04 05 26 58.0–.67 0.61S 133.40E 35 4.3b,4.0b

DJA I 04 05 26 59 0.42S 133.23E 58 4.8b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=66.0km s-min=21.6km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=42.4km s-min=13.7km az=173.6.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=10.5km az=83.0.
IDC I 04 05 32 06.3–2.8 1.41S 134.15E 0 3.7,3.6b
¶12080105

IDC Error ellipse: s-maj=162.2km s-min=23.9km az=79.0.
IDC I 04 05 32 46.5–1.1 0.32S 133.42E 0 3.9,3.7b
¶12080106

IDC Error ellipse: s-maj=66.5km s-min=20.2km az=78.0.
IDC I 04 05 36 31.3–2.5 0.72S 132.02E 0 4.2,4.0b
DJA I 04 05 36 32 0.16S 133.03E 15 4.6b,4.0b **¶12080107**
IDC Error ellipse: s-maj=172.8km s-min=24.3km az=71.0.
IDC I 04 05 41 49.0–1.3 0.60S 133.86E 0 3.6,3.4L
¶12080108

IDC Error ellipse: s-maj=66.9km s-min=25.2km az=84.0.
ISC I 04 05 44 04.9–.30 0.73S–.03 133.27E–.04 34–0 5.3b,4.8s 537 2-161
BJI I 04 05 43 56.6 1.37S 133.61E 31 5.5b,5.2b **¶11528226**
IDC I 04 05 43 59.6–.47 0.67S 133.23E 0 5.3,5.3
MOS I 04 05 44 02.9–1.2 0.67S 133.11E 33 5.5b,4.6s
ISCJB I 04 05 44 04.9–.57 0.69S–.03 133.30E–.03 50–5 5.3b,4.8s
NEIC I 04 05 44 04.4–.14 0.67S 133.19E 32 5.3b,4.8s
TEH I 04 05 44 05.0 0.70S 133.19E 35 5.4L,4.8s
DJA I 04 05 44 07 0.76S 133.30E 42 5.4W,4.8s
ISC Event type fe.
IDC Error ellipse: s-maj=25.8km s-min=12.5km az=78.0.
MOS Error ellipse: s-maj=10.9km s-min=5.7km az=104.2.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.2km az=39.4.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=70.0. Felt [IV] at Manokwari.
IDC I 04 05 54 54.2–2.7 0.82S 133.19E 0 3.6,3.4
¶12080109

IDC Error ellipse: s-maj=136.4km s-min=26.4km az=75.0.
IDC I 04 05 56 28.9–1.3 0.16S 133.27E 0 3.8,3.5b
¶12080110

IDC Error ellipse: s-maj=68.3km s-min=24.7km az=82.0.
IDC I 04 05 59 22.2–3.4 0.45S 133.11E 0 3.3,3.1L
¶12080112

IDC Error ellipse: s-maj=185.8km s-min=27.5km az=75.0.
IDC I 04 06 04 01.4–2.3 0.20S 132.87E 0 4.0s,4.0
¶12080113

IDC Error ellipse: s-maj=134.1km s-min=22.8km az=75.0.
IDC I 04 06 04 19.6–.99 0.61S 133.68E 0 4.1,3.9
DJA I 04 06 04 28 0.94N 130.81E 470 4.9b,3.9 **¶11528227**
IDC Error ellipse: s-maj=65.4km s-min=17.2km az=76.0.
ISC I 04 06 05 15.8–.30 0.83S–.04 134.16E–.06 27 4.8b,4.4s 171 5-158
BJI I 04 06 05 07.1 1.70S 134.72E 35 5.1b,4.8s **¶12080114**
IDC I 04 06 05 10.5–.49 0.64S 133.83E 0 4.5,4.5
ISCJB I 04 06 05 12.8–.26 0.63S–.03 134.13E–.05 27 4.7b,4.3s
NEIC I 04 06 05 15.8–.27 0.66S 134.04E 35 4.9b,4.3s
MOS I 04 06 05 17.0–1.4 0.11S 133.78E 33 5.0b,4.3s
DJA I 04 06 05 23 1.21S 133.90E 15 5.0b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=12.1km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.4km az=170.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=67.0.
MOS Error ellipse: s-maj=21.1km s-min=9.2km az=116.2.
IDC I 04 06 09 50.1–1.2 0.33S 133.64E 0 4.3L,4.2
DJA I 04 06 09 49 0.10S 133.30E 15 4.7,4.2 **¶12080115**
IDC Error ellipse: s-maj=69.7km s-min=21.9km az=78.0.
IDC I 04 06 18 03.9–1.2 0.54S 133.74E 0 3.8,3.6b
DJA I 04 06 18 08 0.59S 133.65E 23 4.7b,3.6b **¶12080116**
IDC Error ellipse: s-maj=64.9km s-min=22.8km az=80.0.
IDC I 04 06 20 03.5–1.0 0.32S 133.28E 0 3.9,3.7b
DJA I 04 06 20 10 0.53S 132.78E 15 4.0,3.7b **¶12080117**
IDC Error ellipse: s-maj=68.2km s-min=19.1km az=77.0.
IDC I 04 06 23 12.3–1.1 0.48S 132.93E 0 3.9,3.8b
DJA I 04 06 23 17 0.42S 132.67E 15 4.3,3.8b **¶12080118**
IDC Error ellipse: s-maj=72.5km s-min=18.9km az=76.0.
ISC I 04 06 29 38.3–.46 0.70S–.06 133.99E–.08 32 4.4b 71 2-152
IDC I 04 06 29 33.6–.63 0.64S 133.95E 0 4.7L,4.4 **¶11528228**
ISCJB I 04 06 29 35.9–.44 0.67S–.04 134.05E–.09 32 4.3b,4.4
NEIC I 04 06 29 39.1–.35 0.71S 133.71E 35 4.6b,4.4
DJA I 04 06 29 39 0.64S 133.93E 20 5.1b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=15.0km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=5.2km az=170.8.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.8km az=74.0.
IDC I 04 06 31 56.6–1.3 0.63S 133.98E 0 4.0,3.9L
¶12080119

IDC Error ellipse: s-maj=53.1km s-min=22.1km az=77.0.
IDC I 04 06 37 12.0–4.7 0.61S 131.43E 0 3.7L,3.7
¶12080120

IDC Error ellipse: s-maj=323.6km s-min=25.7km az=72.0.
IDC I 04 06 46 20.2–2.9 0.68S 134.17E 0 3.5,3.4L
¶12080122

IDC Error ellipse: s-maj=139.5km s-min=26.4km az=76.0.
IDC I 04 06 51 36.4–2.2 0.06S 132.89E 0 3.8,3.7b
¶12080123

IDC Error ellipse: s-maj=127.1km s-min=24.0km az=71.0.
ISC I 04 06 53 40.8–.34 0.31S–.05 132.86E–.06 32 4.7b,4.3s 155 3-152
IDC I 04 06 53 35.4–.64 0.28S 132.79E 0 5.1L,4.7 **¶11528229**
ISCJB I 04 06 53 38.7–.29 0.26S–.03 132.86E–.04 32 4.6b,4.2s
NEIC I 04 06 53 40.6–.22 0.24S 132.90E 35 4.8b,4.2s
DJA I 04 06 53 44 0.59S 132.54E 10 4.9b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=13.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.2km az=160.5.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.3km az=66.0.
IDC I 04 07 04 42.8–1.2 1.18S 134.02E 0 3.6,3.5b
¶12080125

IDC Error ellipse: s-maj=63.6km s-min=23.5km az=81.0.
IDC I 04 07 06 39.0–2.4 0.91S 132.88E 0 3.9,3.7L
¶12080126

IDC Error ellipse: s-maj=132.8km s-min=23.3km az=75.0.
ISC I 04 07 08 43.0–.67 0.63S–.08 133.36E–.09 28 4.9b 37 3-153
IDC I 04 07 08 38.3–.84 0.63S 133.06E 0 4.7,4.5b **¶11528230**
DJA I 04 07 08 41 0.50S 133.41E 10 5.3,4.5b
ISCJB I 04 07 08 41.3–.60 0.65S–.07 133.40E–.06 28 4.8b,4.5b
NEIC I 04 07 08 44.0–.53 0.72S 133.17E 35 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=52.8km s-min=18.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=8.6km az=33.2.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=9.3km az=71.0.
ISC I 04 07 10 35.3–.52 0.28S–.09 132.7E–.10 33 4.8b 48 17-152
IDC I 04 07 10 30.1–.66 0.25S 132.75E 0 4.8,4.7 **¶12080127**
ISCJB I 04 07 10 33.3–.43 0.27S–.06 132.7E–.10 33 4.7b,4.7
NEIC I 04 07 10 35.5–.27 0.28S 132.68E 35 4.8b,4.7
DJA I 04 07 10 38 0.59S 132.56E 10 5.2b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=15.0km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=7.9km az=162.8.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=5.8km az=69.0.
ISC I 04 07 14 00.6–.30 0.43S–.03 132.88E–.03 34–0 5.4b,5.4s 535 3-161
BJI I 04 07 13 52.0 1.14S 133.17E 35 5.7b,5.6s **¶11528232**
IDC I 04 07 13 55.1–.51 0.41S 132.79E 0 5.4,5.3s
MOS I 04 07 13 58.4–1.4 0.39S 132.75E 33 5.6b,5.3s
ISCJB I 04 07 13 59.1–.17 0.25S–.02 132.99E–.03 33 5.4s,5.4b
NEIC I 04 07 14 00.6–.18 0.40S 132.76E 35 5.5b,5.4b
TEH I 04 07 14 00.0 0.43S 133.17E 47 6.0L,5.4b
DJA I 04 07 14 08 0.67S 132.89E 43 5.8W,5.4b

ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=13.7km az=71.0.
MOS Error ellipse: s-maj=10.8km s-min=5.5km az=110.7.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.5km az=174.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.5km az=65.0.
IDC I 04 07 24 43.2–2.2 0.34S 132.68E 0 4.1,3.9b
¶12080130

IDC Error ellipse: s-maj=182.4km s-min=20.3km az=74.0.
IDC I 04 07 25 45.7–12 0.88S 133.15E 0 4.3,4.1b
¶12080131

IDC Error ellipse: s-maj=181.9km s-min=113.9km az=157.0.
IDC I 04 07 28 01.4–12 0.08N 131.61E 0 4.1,4.0
¶12080133

IDC Error ellipse: s-maj=229.7km s-min=158.3km az=112.0.
IDC I 04 07 31 46.2–2.4 0.56S 132.62E 0 3.7L,3.7
¶12080134

IDC Error ellipse: s-maj=133.9km s-min=23.7km az=74.0.
ISC I 04 07 33 00.8–.41 0.71S–.04 133.69E–.07 34–1 4.9b,4.8s 231 5-153
BJI I 04 07 32 54.4 1.08S 133.95E 30 5.3b,5.0s **¶11528234**
IDC I 04 07 32 56.0–.65 0.61S 133.63E 0 4.7,4.6L
ISCJB I 04 07 32 58.2–.26 0.76S–.03 133.67E–.04 32 4.9b,4.8s
MOS I 04 07 32 58.4–1.0 0.76S 133.57E 33 5.1b,4.8s
NEIC I 04 07 33 00.8–.26 0.71S 133.60E 35 5.0b,4.8s
TEH I 04 07 33 00.0 0.82S 133.62E 35 5.1L,4.8s
DJA I 04 07 33 05 0.94S 133.27E 57 5.5,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=14.5km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.2km az=12.7.
MOS Error ellipse: s-maj=18.3km s-min=7.2km az=109.7.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.4km az=84.0.
IDC I 04 07 38 35.0–1.0 0.27S 133.24E 0 4.2,4.0L
DJA I 04 07 38 41 0.37S 132.83E 55 4.7,4.0L **¶11528235**
IDC Error ellipse: s-maj=64.1km s-min=14.6km az=79.0.
ISC I 04 07 44 45.5–.47 0.38S–.06 132.99E–.06 32 4.5b 60 3-153
IDC I 04 07 44 40.5–.62 0.32S 133.10E 0 4.7L,4.4 **¶11528237**
ISCJB I 04 07 44 43.7–.41 0.37S–.05 132.95E–.06 32 4.4b,4.0s
NEIC I 04 07 44 45.8–.30 0.38S 132.90E 35 4.5b,4.0s
DJA I 04 07 44 46 0.36S 132.83E 58 5.1,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=11.9km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.1km az=154.5.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=5.8km az=68.0.
IDC I 04 07 45 08.3–2.4 0.21S 132.93E 0 4.8,4.5b
¶12080136

IDC Error ellipse: s-maj=126.8km s-min=29.9km az=95.0.
IDC I 04 07 53 13.2–4.8 0.60S 131.54E 0 3.9,3.8b
DJA I 04 07 53 25 0.91S 131.58E 55 4.0,3.8b **¶12080137**
IDC Error ellipse: s-maj=325.0km s-min=25.6km az=72.0.
IDC I 04 07 58 18.1–3.2 1.31S 133.73E 0 3.7,3.5b
¶12080138

IDC Error ellipse: s-maj=198.6km s-min=24.7km az=73.0.
IDC I 04 08 00 20.3–.93 0.36S 132.89E 0 4.0,3.8b
¶12080139

IDC Error ellipse: s-maj=66.2km s-min=18.6km az=76.0.
IDC I 04 08 03 24.4–3.6 0.57S 133.81E 0 3.5,3.4b
¶11528238

IDC Error ellipse: s-maj=206.8km s-min=24.2km az=76.0.
IDC I 04 08 04 14.8–1.1 0.09S 133.20E 0 4.2L,3.9
DJA I 04 08 04 16 0.09S 132.92E 32 4.8b,3.9 **¶12080140**
IDC Error ellipse: s-maj=76.4km s-min=18.3km az=76.0.
IDC I 04 08 05 35.6–1.3 0.58S 133.94E 0 4.0,3.9L
¶12080141

IDC Error ellipse: s-maj=56.0km s-min=23.4km az=76.0.
IDC I 04 08 06 54.1–1.3 0.60S 134.15E 0 4.0L,4.0
¶12080142

IDC Error ellipse: s-maj=69.8km s-min=22.7km az=80.0.
ISC I 04 08 12 10.9–.29 0.93S–.04 133.54E–.05 29 5.0b,4.5s 226 2-153
IDC I 04 08 12 06.3–.58 0.72S 133.57E 0 4.5,4.4 **¶11528239**
BJI I 04 08 12 07.8 1.26S 133.35E 35 5.2b,4.8s
ISCJB I 04 08 12 09.1–.22 0.70S–.03 133.62E–.04 29 4.8b,4.3s
MOS I 04 08 12 09.6–1.0 0.75S 133.43E 33 5.1b,4.3s
NEIC I 04 08 12 11.7–.22 0.73S 133.49E 35 5.0b,4.3s
DJA I 04 08 12 17 0.96S 133.42E 28 5.2b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=13.2km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.8km az=153.7.
MOS Error ellipse: s-maj=15.8km s-min=6.9km az=116.5.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.2km az=65.0.
ISC I 04 08 19 53.4–.65 0.75S–.10 134.0E–.20 32 4.0b 29 19-152
IDC I 04 08 19 48.5–.75 0.63S 134.05E 0 4.2,4.1L **¶12080145**
ISCJB I 04 08 19 51.2–.71 0.70S–.10 134.0E–.20 32 4.0b,4.1L
DJA I 04 08 19 52 0.62S 134.03E 21 4.8b,4.1L
NEIC I 04 08 19 53.9–.47 0.71S 133.99E 35 4.1b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=40.3km s-min=16.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=36.6km s-min=11.7km az=167.3.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=9.8km az=73.0.
IDC I 04 08 22 29.0–1.2 0.31S 133.09E 0 4.0,3.8b
¶12080146

IDC Error ellipse: s-maj=69.2km s-min=20.9km az=77.0.
IDC I 04 08 26 32.9–1.3 0.21S 133.25E 0 3.8,3.7L
¶12080147

IDC Error ellipse: s-maj=82.9km s-min=24.1km az=80.0.
IDC I 04 08 28 42.6–3.6 0.54N 132.96E 0 3.7,3.5b
¶12080148

IDC Error ellipse: s-maj=233.8km s-min=28.5km az=72.0.
IDC I 04 08 37 09.9–3.7 0.82S 132.90E 0 3.6L,3.4
¶12080150

IDC Error ellipse: s-maj=231.9km s-min=24.1km az=75.0.
IDC I 04 08 51 44.2–1.2 0.61S 133.87E 0 3.5,3.3b
¶12080152

IDC Error ellipse: s-maj=67.8km s-min=23.1km az=80.0.
IDC I 04 08 54 17.1–1.1 0.28S 133.24E 0 3.9s,3.9
¶11528240

IDC Error ellipse: s-maj=50.2km s-min=19.4km az=72.0.
ISC I 04 08 54 34.1–.46 0.45S–.05 133.04E–.06 32 4.5b 59 3-152
BJI I 04 08 54 25.7 1.26S 133.76E 35 5.0b,4.6b **¶12080153**
IDC I 04 08 54 28.1–.75 0.26S 133.01E 0 4.3,4.2
ISCJB I 04 08 54 32.7–.36 0.46S–.04 133.04E–.06 32 4.3b,4.3s
DJA I 04 08 54 33 0.29S 132.93E 30 4.9b,4.3s
NEIC I 04 08 54 33.4–.37 0.29S 133.10E 35 4.5b,4.3s
ISC Event type ke.
IDC Error ellipse: s-maj=38.9km s-min=12.0km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.5km az=162.4.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.6km az=62.0.
IDC I 04 09 03 58.2–2.5 0.97S 134.10E 0 3.6,3.6L
¶12080155

IDC Error ellipse: s-maj=133.6km s-min=24.0km az=77.0.
IDC I 04 09 05 41.8–2.4 0.44S 132.75E 0 3.7,3.6b
¶12080156

IDC Error ellipse: s-maj=186.9km s-min=18.9km az=73.0.
IDC I 04 09 07 37.9–2.8 0.23S 133.09E 0 3.8,3.6L
¶12080157

IDC Error ellipse: s-maj=139.2km s-min=29.0km az=74.0.
IDC I 04 09 09 18.1–2.4 0.85S 133.23E 0 3.5L,3.5
¶12080158

IDC Error ellipse: s-maj=145.5km s-min=22.3km az=76.0.
IDC I 04 09 11 05.8–2.9 0.28S 132.80E 0 3.8,3.6
¶12080159

IDC Error ellipse: s-maj=142.5km s-min=29.3km az=74.0.
IDC I 04 09 14 58.8–1.0 0.24S 132.61E 0 3.8L,3.8

DJA I 04 09 15 04 0.50S 132.44E 10 4.3,3.8 **¶12080160**
IDC Error ellipse: s-maj=65.9km s-min=19.0km az=75.0.
ISC I 04 09 15 39.1–1.4 0.4S–.20 132.9E–.50 32 3.9b 18 19-74
IDC I 04 09 15 34.1–1.5 0.30S 133.09E 0 4.0,3.8b **¶12080161**
ISCJB I 04 09 15 36.9–1.2 0.4S–.20 133.0E–.40 32 3.8b,3.8b
NEIC I 04 09 15 39.9–1.3 0.44S 132.87E 35 4.2b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=86.4km s-min=18.0km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=66.5km s-min=11.4km az=162.4.
NEIC Event type se. Error ellipse: s-maj=70.8km s-min=11.4km az=72.0.
IDC I 04 09 17 56.2–6.9 0.47S 133.56E 0 3.5,3.4L
¶12080162

IDC Error ellipse: s-maj=427.5km s-min=24.0km az=76.0.
NEIC I 04 09 21 14.9–1.8 0.96S 131.05E 35 4.1b
IDC I 04 09 21 05.7–2.0 0.27S 132.76E 0 4.0,3.9L **¶12080163**
NEIC Event type se. Error ellipse: s-maj=150.0km s-min=11.8km az=71.0.
IDC Error ellipse: s-maj=122.8km s-min=21.0km az=72.0.
IDC I 04 09 24 23.7–5.4 1.14S 131.96E 0 3.5,3.3b
¶12080164

IDC Error ellipse: s-maj=350.9km s-min=28.9km az=73.0.
IDC I 04 09 40 19.0–2.7 0.52S 132.79E 0 3.6,3.5L
¶12080165

IDC Error ellipse: s-maj=145.6km s-min=26.0km az=74.0.
IDC I 04 09 41 53.8–1.6 0.59S 132.71E 0 4.2L,4.0
¶12080166

IDC Error ellipse: s-maj=108.2km s-min=19.8km az=74.0.
IDC I 04 09 47 21.2–3.0 0.40S 132.85E 0 3.9,3.7
¶12080167

IDC Error ellipse: s-maj=193.6km s-min=24.1km az=72.0.
IDC I 04 09 57 05.5–2.7 0.78S 132.40E 0 3.9,3.7b
¶12080168

IDC Error ellipse: s-maj=181.2km s-min=23.6km az=71.0.
IDC I 04 09 58 14.3–1.2 0.00N 133.00E 0 3.8,3.7b
¶12080169

IDC I 04 09 59 00.1–2.6 0.55S 132.27E 0 3.7,3.6b
¶12080170

IDC Error ellipse: s-maj=157.7km s-min=24.9km az=74.0.
IDC I 04 10 01 03.1–3.1 0.61S 131.84E 0 3.6,3.5b
¶12080172

IDC Error ellipse: s-maj=214.1km s-min=27.9km az=71.0.
IDC I 04 10 04 15.6–3.2 0.18S 133.36E 0 3.8L,3.8
¶12080173

IDC Error ellipse: s-maj=198.7km s-min=27.6km az=72.0.
IDC I 04 10 08 39.6–2.4 0.67S 131.16E 0 3.8,3.6L
¶12080174

IDC Error ellipse: s-maj=192.0km s-min=21.0km az=74.0.
IDC I 04 10 12 34.5–2.4 0.48S 133.24E 0 3.6,3.5L
¶12080175

IDC Error ellipse: s-maj=144.2km s-min=23.8km az=72.0.
IDC I 04 10 19 50.3–2.9 0.53S 134.29E 0 3.4,3.3L
¶12080176

IDC Error ellipse: s-maj=141.6km s-min=26.7km az=76.0.
ISC I 04 10 20 38.1–.95 0.7S–.10 133.6E–.40 32 3.8b 17 19-86
IDC I 04 10 20 33.0–1.0 0.58S 133.40E 0 3.9,3.8L **¶12080177**
NEIC I 04 10 20 38.4–.65 0.63S 133.48E 35 3.9b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=64.7km s-min=18.6km az=76.0.
NEIC Event type se. Error ellipse: s-maj=43.8km s-min=9.1km az=80.0.
ISC I 04 10 31 17.8–1.4 0.4S–.20 133.1E–.20 32 4.2b 11 17-65
IDC I 04 10 31 13.6–2.8 0.40S 132.86E 0 4.3,4.1L **¶12080179**
ISCJB I 04 10 31 16.5–1.2 0.5S–.10 133.1E–.20 32 4.0b,4.1L
NEIC I 04 10 31 18.2–.95 0.37S 133.11E 35 4.0b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=182.2km s-min=23.5km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=24.1km s-min=14.7km az=167.4.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=14.5km az=57.0.
IDC I 04 10 41 55.9–2.5 0.31S 132.44E 0 3.7,3.6L
¶12080180

IDC Error ellipse: s-maj=128.9km s-min=25.9km az=73.0.
IDC I 04 10 43 31.5–4.2 0.73S 131.05E 0 3.4,3.3b
¶12080181

IDC Error ellipse: s-maj=295.4km s-min=25.9km az=72.0.
IDC I 04 10 45 14.2–2.4 0.47S 132.67E 0 3.9,3.7b
DJA I 04 10 45 19 0.38S 132.76E 70 4.7b,3.7b **¶12080182**
IDC Error ellipse: s-maj=107.3km s-min=20.9km az=67.0.
IDC I 04 10 50 29.1–1.3 0.48S 133.47E 0 3.5,3.3b
¶12080183

IDC Error ellipse: s-maj=78.6km s-min=25.5km az=85.0.
ISC I 04 10 53 49.7–.46 0.36S–.06 133.05E–.09 32 4.5b,3.7s 65 3-153
IDC I 04 10 53 44.2–.67 0.35S 133.21E 0 4.5,4.3b **¶11528244**
BJI I 04 10 53 48.0 0.29S 133.24E 36 5.1b,4.6b
ISCJB I 04 10 53 48.4–.35 0.35S–.04 132.94E–.05 32 4.4b,3.7s
NEIC I 04 10 53 50.1–.38 0.33S 133.06E 35 4.6b,3.7s
DJA I 04 10 53 51 0.31S 132.88E 39 5.0b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=12.1km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.4km az=157.4.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=6.5km az=69.0.
IDC I 04 11 02 33.3–2.9 0.22S 132.76E 0 3.6L,3.6
¶12080185

IDC Error ellipse: s-maj=193.6km s-min=24.1km az=71.0.
IDC I 04 11 04 09.6–1.2 0.32S 133.00E 0 4.0,3.8
¶12080186

IDC Error ellipse: s-maj=73.0km s-min=21.8km az=81.0.
ISC I 04 11 08 49.3–.43 0.62S–.05 133.69E–.06 28 4.6b,4.0s 110 2-151
IDC I 04 11 08 44.0–.64 0.61S 133.75E 0 4.4,4.3 **¶11712577**
ISCJB I 04 11 08 46.8–.38 0.60S–.04 133.73E–.07 28 4.5b,4.0s
BJI I 04 11 08 48.6 0.90S 132.90E 35 5.0b,4.7b
DJA I 04 11 08 49 0.79S 133.64E 12 4.8,4.7b
NEIC I 04 11 08 50.5–.51 0.79S 133.22E 35 4.6b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=9.2km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.0km az=171.2.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=8.1km az=71.0.
IDC I 04 11 24 31.5–7.5 0.87S 133.23E 0 3.3b,3.3
¶12080187

IDC Error ellipse: s-maj=448.5km s-min=28.1km az=75.0.
IDC I 04 11 33 44.7–13 0.99S 133.95E 0 3.8,3.7b
¶12080188

IDC Error ellipse: s-maj=203.0km s-min=128.4km az=150.0.
IDC I 04 11 35 01.6–13 0.27S 133.00E 0 3.7,3.6b
¶12080189

IDC Error ellipse: s-maj=196.2km s-min=122.2km az=159.0.
ISC I 04 11 40 54.6–.57 0.32S–.08 132.37E–.08 33 4.3b 41 3-90
IDC I 04 11 40 49.2–.88 0.27S 132.62E 0 4.5L,4.3 **¶12080190**
DJA I 04 11 40 53 0.39S 132.55E 10 4.8,4.3
NEIC I 04 11 40 54.0–.40 0.26S 132.73E 35 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=50.0km s-min=16.2km az=73.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=6.5km az=70.0.
ISC I 04 11 49 49.7–.34 0.66S–.04 133.89E–.05 35–1 4.9b,4.1s 256 2-153
IDC I 04 11 49 44.1–.55 0.66S 133.81E 0 4.7,4.6 **¶11528246**
MOS I 04 11 49 47.6–1.4 0.66S 133.71E 33 5.2b,4.6
ISCJB I 04 11 49 48.8–.79 0.70S–.04 133.96E–.04 48–7 4.8b,4.2s
BJI I 04 11 49 48.4 0.70S 133.80E 35 5.1b,4.7b
NEIC I 04 11 49 49.5–.27 0.68S 133.84E 35 5.0b,4.7b
DJA I 04 11 49 52 0.92S 133.96E 30 5.2b,4.7b
TEH I 04 11 49 52.0 0.74S 133.77E 57 4.9L,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=13.5km az=76.0.
MOS Error ellipse: s-maj=15.1km s-min=6.8km az=113.9.

ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.8km az=151.5.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.7km az=66.0.
IDC I 04 12 00 12.7–2.8 0.77S 133.11E 0 3.9L,3.9
¶12080192

IDC Error ellipse: s-maj=178.0km s-min=23.6km az=72.0.
IDC I 04 12 04 51.2–2.4 0.38S 132.79E 0 3.8L,3.8
¶12080193

IDC Error ellipse: s-maj=182.3km s-min=20.4km az=73.0.
IDC I 04 12 12 25.2–2.4 0.25S 132.67E 0 4.2,4.0b
¶12080194

IDC Error ellipse: s-maj=179.3km s-min=19.8km az=73.0.
ISC I 04 12 17 03.4–.84 0.73S–.10 134.02E–.09 27 3.8b 13 2-86
IDC I 04 12 16 59.8–1.1 0.69S 134.02E 0 4.2L,4.0 **¶11528247**
ISCJB I 04 12 17 02.7–.82 0.72S–.08 133.80E–.09 27 3.7b,4.0
DJA I 04 12 17 06 0.73S 133.59E 30 4.7,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=70.1km s-min=18.9km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=12.0km az=25.0.
ISC I 04 12 21 44.9–.95 0.31S–.10 132.9E–.20 32 3.8b 20 14-86
IDC I 04 12 21 40.0–1.1 0.37S 132.86E 0 4.2L,4.1 **¶12080195**
ISCJB I 04 12 21 43.1–.79 0.27S–.08 132.8E–.10 32 3.8b,3.3s
NEIC I 04 12 21 45.5–.57 0.28S 132.84E 35 4.1b,3.3s
DJA I 04 12 21 47 0.39S 132.64E 30 4.5,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=12.4km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=10.5km az=162.7.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=8.3km az=71.0.
IDC I 04 12 29 05.6–4.9 0.56S 131.77E 0 3.7,3.5b
¶12080196

IDC Error ellipse: s-maj=318.6km s-min=28.9km az=73.0.
IDC I 04 12 36 14.9–2.8 0.68S 134.40E 0 3.5,3.4L
¶12080197

IDC Error ellipse: s-maj=132.0km s-min=26.7km az=76.0.
IDC I 04 12 38 01.4–1.2 0.57S 133.58E 0 3.9,3.8L
DJA I 04 12 38 07 0.66S 133.39E 38 4.8b,3.8L **¶12080198**
IDC Error ellipse: s-maj=75.4km s-min=22.0km az=80.0.
ISC I 04 12 55 17.3–.78 0.32S–.10 133.2E–.10 35 4.1b 25 14-86
IDC I 04 12 55 12.2–.93 0.25S 133.11E 0 4.1,4.0L **¶11528250**
ISCJB I 04 12 55 15.3–.62 0.31S–.07 133.1E–.10 33 4.0b,4.0L
DJA I 04 12 55 16 0.14S 132.91E 30 5.0b,4.0L
NEIC I 04 12 55 17.5–.49 0.31S 133.17E 35 4.6b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=48.5km s-min=16.6km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=9.7km az=163.9.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.9km az=74.0.
ISC I 04 12 59 40.2–.47 0.22S–.06 132.63E–.08 35 4.7b 109 3-154
IDC I 04 12 59 35.2–.62 0.28S 132.38E 0 4.5,4.4b **¶11528251**
ISCJB I 04 12 59 37.8–.32 0.20S–.04 132.75E–.05 33 4.7b,4.4b
NEIC I 04 12 59 40.2–.29 0.34S 132.47E 35 4.7b,4.4b
DJA I 04 12 59 41 0.46S 132.63E 30 5.0b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=11.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=163.3.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.8km az=67.0.
ISC I 04 13 06 33.4–.61 0.61S–.04 132.97E–.05 51–5 4.8b,4.4s 192 2-153
BJI I 04 13 06 25.8 1.19S 132.94E 39 5.1b,4.7s **¶11528253**
IDC I 04 13 06 26.2–.57 0.61S 132.67E 0 4.7,4.6
DJA I 04 13 06 27 0.33S 133.06E 10 5.4,4.6
MOS I 04 13 06 29.8–1.0 0.59S 132.62E 33 5.0b,4.6
NEIC I 04 13 06 31.8–.29 0.57S 132.73E 35 4.8b,4.6
ISCJB I 04 13 06 31.1–.75 0.48S–.04 133.15E–.04 50–7 4.8b,4.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC I 04 13 10 47.5–.38 0.32S–.04 132.71E–.08 35–2 4.9b,4.4s 206 13-154
IDC I 04 13 10 42.8–.63 0.16S 132.74E 0 4.7,4.6 **¶11528254**
BJI I 04 13 10 43.6 0.49S 132.89E 35 5.0b,4.8b
ISCJB I 04 13 10 43.5–1.6 0.18S–.05 132.72E–.07 15–11 4.8b,4.4s
MOS I 04 13 10 46.1–1.1 0.13S 132.71E 33 5.1b,4.4s
NEIC I 04 13 10 48.1–.23 0.22S 132.71E 35 4.8b,4.4s
DJA I 04 13 10 49 0.17S 132.59E 30 5.5b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=14.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.4km az=153.8.
MOS Error ellipse: s-maj=17.6km s-min=7.1km az=117.6.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.9km az=61.0.
IDC I 04 13 18 34.8–2.2 0.18S 133.10E 0 3.9,3.7L
¶12080200

IDC Error ellipse: s-maj=132.6km s-min=23.0km az=76.0.
IDC I 04 13 19 49.3–12 0.96S 133.60E 0 4.0,3.9b
¶12080201

IDC Error ellipse: s-maj=188.4km s-min=115.6km az=155.0.
IDC I 04 13 29 14.9–2.7 0.30S 133.23E 0 3.6,3.4b
¶12080204

IDC Error ellipse: s-maj=137.8km s-min=25.9km az=74.0.
IDC I 04 13 32 55.1–2.9 0.63S 133.44E 0 4.2,4.1b
DJA I 04 13 33 02 0.65S 133.28E 41 4.7b,4.1b **¶12080205**
IDC Error ellipse: s-maj=186.5km s-min=22.2km az=72.0.
IDC I 04 13 48 33.3–7.8 0.34N 133.43E 0 3.5,3.3
¶12080208

IDC Error ellipse: s-maj=470.2km s-min=26.7km az=75.0.
IDC I 04 13 53 07.8–3.0 0.35S 133.29E 0 3.4,3.2b
¶12080209

IDC Error ellipse: s-maj=158.1km s-min=26.9km az=75.0.
IDC I 04 14 03 25.8–2.7 0.09S 133.33E 0 3.9,3.7L
¶12080211

IDC Error ellipse: s-maj=140.1km s-min=25.9km az=74.0.
ISC I 04 14 05 18.4–.70 0.53S–.09 133.46E–.09 28 4.1b 20 3-153
IDC I 04 14 05 13.8–.81 0.58S 133.51E 0 4.2,4.1L **¶11528257**
ISCJB I 04 14 05 16.1–.69 0.52S–.07 133.54E–.09 28 4.0b,4.1L
DJA I 04 14 05 20 0.71S 133.33E 30 5.2b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=43.8km s-min=12.6km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=9.5km az=4.8.
IDC I 04 14 13 56.3–3.1 0.84S 133.84E 0 4.1L,3.8
¶12080213

IDC Error ellipse: s-maj=161.2km s-min=25.9km az=76.0.
IDC I 04 14 17 20.4–2.2 0.10S 132.90E 0 3.6b,3.6
¶12080214

IDC Error ellipse: s-maj=120.9km s-min=24.0km az=71.0.
IDC I 04 14 30 12.1–2.9 0.97S 133.76E 0 3.7,3.5L
¶12080216

IDC Error ellipse: s-maj=142.4km s-min=26.4km az=76.0.
IDC I 04 14 33 36.2–3.8 0.77S 133.94E 0 3.7L,3.6
¶12080217

IDC Error ellipse: s-maj=216.2km s-min=24.1km az=77.0.
IDC I 04 14 36 31.9–1.7 0.53S 133.22E 0 4.2,4.2L
¶12080219

IDC Error ellipse: s-maj=110.2km s-min=17.8km az=72.0.
IDC I 04 14 37 15.4–.95 0.33S 133.07E 0 4.2,4.1L
DJA I 04 14 36 55 1.17S 131.82E 19 4.5,4.1L **¶12080220**
IDC Error ellipse: s-maj=52.2km s-min=16.6km az=73.0.
ISC I 04 14 38 56.2–1.4 0.7S–.20 132.5E–.50 33 4.0b 10 19-130
DJA I 04 14 38 48 0.31S 132.48E 177 4.6 **¶12080221**
IDC I 04 14 38 51.2–1.4 0.47S 132.85E 0 4.4L,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=83.6km s-min=16.9km az=71.0.
IDC I 04 14 49 40.8–.86 0.23S 132.70E 0 4.2L,4.1
DJA I 04 14 49 44 0.24S 132.82E 30 4.9b,4.1 **¶12080223**
IDC Error ellipse: s-maj=47.8km s-min=16.9km az=71.0.
IDC I 04 14 52 28.2–1.1 0.67S 134.05E 0 4.0L,3.9

DJA I 04 14 52 34 0.68S 133.74E 30 4.5b,3.9 **¶12080224**
IDC Error ellipse: s-maj=64.1km s-min=19.8km az=77.0.
IDC I 04 14 59 59.5–3.1 1.23S 133.95E 0 3.6,3.5b
¶12080225

IDC Error ellipse: s-maj=192.4km s-min=24.7km az=73.0.
IDC I 04 15 09 18.8–2.1 0.37S 132.81E 0 3.9L,3.9
DJA I 04 15 09 23 0.17S 132.74E 30 4.7b,3.9 **¶12080226**
IDC Error ellipse: s-maj=116.3km s-min=23.7km az=71.0.
IDC I 04 15 21 32.6–2.3 0.35S 132.98E 0 3.6,3.4b
DJA I 04 15 21 32 0.01N 133.14E 30 4.4b,3.4b **¶12080228**
IDC Error ellipse: s-maj=114.5km s-min=27.5km az=72.0.
IDC I 04 15 29 42.5–2.0 0.53S 132.88E 0 4.1,4.0L
DJA I 04 15 29 40 0.01N 133.28E 30 4.6b,4.0L **¶12080229**
IDC Error ellipse: s-maj=110.0km s-min=23.3km az=71.0.
IDC I 04 15 30 26.0–1.3 0.31S 133.86E 0 3.9L,3.8
¶12080230

IDC Error ellipse: s-maj=70.0km s-min=22.5km az=81.0.
IDC I 04 15 36 57.0–.95 0.73S 133.68E 0 4.0,3.9L
DJA I 04 15 36 39 0.42N 134.89E 15 4.8b,3.9L **¶12080231**
IDC Error ellipse: s-maj=51.2km s-min=16.8km az=74.0.
IDC I 04 15 41 04.7–2.3 0.81S 133.30E 0 3.5,3.4b
¶12080232

IDC Error ellipse: s-maj=141.9km s-min=22.4km az=77.0.
ISC I 04 15 43 04.9–.40 0.77S–.05 133.66E–.07 29 4.5b,4.0s 117 2-153
BJI I 04 15 42 56.0 1.60S 134.11E 35 5.1b,4.6s **¶11528262**
IDC I 04 15 43 00.4–.66 0.66S 133.63E 0 4.5L,4.4
ISCJB I 04 15 43 02.9–.37 0.70S–.04 133.58E–.06 29 4.4b,4.0s
NEIC I 04 15 43 05.8–.32 0.71S 133.46E 35 4.6b,4.0s
DJA I 04 15 43 09 0.80S 133.25E 30 5.1b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=14.6km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=3.3.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=5.8km az=75.0.
IDC I 04 15 49 00.4–3.0 0.03S 133.68E 0 3.9,3.6b
¶12080233

IDC Error ellipse: s-maj=151.9km s-min=26.7km az=75.0.
IDC I 04 15 58 37.4–3.1 0.82S 133.20E 0 3.2,3.1b
¶12080234

IDC Error ellipse: s-maj=167.5km s-min=26.3km az=75.0.
IDC I 04 16 01 18.6–.99 0.30S 132.49E 0 3.9L,3.9
DJA I 04 16 01 20 0.08S 132.41E 30 4.8b,3.9 **¶12080235**
IDC Error ellipse: s-maj=68.0km s-min=18.0km az=76.0.
ISC I 04 16 03 25.2–.96 0.5S–.10 133.1E–.30 32 3.8b,3.5s 23 18-86
IDC I 04 16 03 20.8–.92 0.18S 133.25E 0 4.1,4.1L **¶11528264**
ISCJB I 04 16 03 23.6–.77 0.36S–.08 133.2E–.20 32 3.8b,3.5s
DJA I 04 16 03 24 0.17S 133.05E 11 5.1b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=48.2km s-min=16.2km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=28.5km s-min=7.6km az=162.9.
IDC I 04 16 10 02.1–1.6 0.69S 133.25E 0 4.1,4.0L
DJA I 04 16 10 12 0.90S 132.93E 30 4.5b,4.0L **¶12080236**
IDC Error ellipse: s-maj=108.9km s-min=17.3km az=73.0.
IDC I 04 16 20 21.1–7.1 0.66S 132.85E 0 3.2,3.0
¶12080237

IDC Error ellipse: s-maj=435.5km s-min=30.1km az=74.0.
IDC I 04 16 24 18.0–2.9 0.96S 133.89E 0 3.3L,3.3
¶12080238

IDC Error ellipse: s-maj=133.1km s-min=28.8km az=76.0.
IDC I 04 16 25 00.9–2.5 0.33S 132.76E 0 4.0L,4.0
¶12080239

IDC Error ellipse: s-maj=109.7km s-min=20.8km az=66.0.
IDC I 04 16 27 15.3–2.1 0.67S 133.20E 0 4.0,3.8
¶12080240

IDC Error ellipse: s-maj=113.7km s-min=23.9km az=72.0.
IDC I 04 16 36 37.6–2.9 0.99S 133.56E 0 3.2,3.1
¶12080242

IDC Error ellipse: s-maj=137.4km s-min=28.6km az=75.0.
IDC I 04 16 37 05.7–2.6 0.33S 132.55E 0 3.6,3.5s
¶12080243

IDC Error ellipse: s-maj=130.6km s-min=26.7km az=73.0.
IDC I 04 16 45 21.5–2.8 0.69S 133.41E 0 3.2,3.1
¶12080244

IDC Error ellipse: s-maj=144.2km s-min=26.7km az=75.0.
IDC I 04 16 51 26.9–2.9 0.33S 132.60E 0 3.3L,3.3
¶12080245

IDC Error ellipse: s-maj=148.1km s-min=29.5km az=74.0.
ISC I 04 16 55 13.9–1.5 0.5S–.20 132.8E–.40 35 3.8b 20 19-67
IDC I 04 16 55 08.8–1.5 0.29S 132.99E 0 4.0,4.0L **¶11712587**
DJA I 04 16 55 13 0.03S 132.90E 30 4.5,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=80.6km s-min=17.4km az=70.0.
IDC I 04 17 05 60.0–1.2 0.24S 132.91E 0 4.2L,4.1
DJA I 04 17 06 08 0.43S 132.64E 30 4.8b,4.1 **¶12080247**
IDC Error ellipse: s-maj=71.4km s-min=21.7km az=80.0.
ISC I 04 17 13 11.4–.40 0.66S–.04 133.31E–.05 35–1 4.8b,3.8s 187 2-153
IDC I 04 17 13 05.9–.51 0.75S 133.08E 0 4.8,4.7 **¶11528269**
MOS I 04 17 13 08.8–.97 0.68S 133.22E 33 4.9b,4.7
BJI I 04 17 13 09.5 0.70S 133.20E 35 5.0b,4.8s
ISCJB I 04 17 13 10.5–.88 0.69S–.04 133.26E–.05 45–8 4.6b,3.9s
NEIC I 04 17 13 11.4–.22 0.74S 133.08E 35 4.7b,3.9s
DJA I 04 17 13 13 0.81S 133.30E 30 5.1b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=10.2km az=76.0.
MOS Error ellipse: s-maj=17.9km s-min=7.3km az=118.1.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.7km az=144.7.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=4.6km az=66.0.
IDC I 04 17 32 04.5–6.4 1.02S 132.26E 0 3.5,3.4b
¶12080249

IDC Error ellipse: s-maj=413.8km s-min=25.4km az=74.0.
IDC I 04 17 37 35.8–3.1 0.99S 132.98E 0 3.3,3.2s
¶12080251

IDC Error ellipse: s-maj=162.0km s-min=28.9km az=75.0.
IDC I 04 17 47 16.0–4.0 0.61S 131.47E 0 3.3b,3.3
¶12080252

IDC Error ellipse: s-maj=263.8km s-min=26.5km az=72.0.
IDC I 04 17 51 35.9–4.9 0.88S 131.99E 0 3.8,3.6L
¶12080253

IDC Error ellipse: s-maj=320.7km s-min=25.6km az=73.0.
IDC I 04 17 59 47.3–2.5 0.36S 132.26E 0 3.9,3.8
¶12080255

IDC Error ellipse: s-maj=124.3km s-min=27.5km az=73.0.
ISC I 04 18 21 15.9–.76 0.7S–.10 133.7E–.30 32 4.5s,4.2b 35 16-100
IDC I 04 18 21 11.3–1.0 0.69S 133.74E 0 4.4,4.4s **¶12080256**
DJA I 04 18 21 11 0.23S 133.61E 56 4.5,4.4s
NEIC I 04 18 21 16.7–.36 0.78S 133.49E 35 4.6b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=65.2km s-min=17.6km az=76.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=4.9km az=65.0.
IDC I 04 18 28 54.3–3.0 1.12S 132.96E 0 3.3,3.2
¶12080257

IDC Error ellipse: s-maj=160.1km s-min=26.5km az=75.0.
IDC I 04 18 33 16.9–.93 0.21S 132.90E 0 4.2L,4.2
DJA I 04 18 33 18 0.18S 132.72E 10 4.3,4.2 **¶12080258**
IDC Error ellipse: s-maj=49.5km s-min=16.5km az=72.0.
IDC I 04 18 43 45.7–2.9 0.77S 133.66E 0 3.7,3.5L
DJA I 04 18 43 43 0.39S 134.16E 30 4.6b,3.5L **¶12080259**
IDC Error ellipse: s-maj=144.4km s-min=25.6km az=75.0.
IDC I 04 18 47 32.3–4.9 0.66S 131.10E 0 3.4,3.2L
¶12080260

IDC Error ellipse: s-maj=347.4km s-min=26.1km az=72.0.
IDC I 04 18 49 12.5–3.5 0.58S 134.06E 0 3.3,3.1b

¶12080261

IDC Error ellipse: s-maj=182.6km s-min=26.5km az=76.0.
IDC I 04 18 52 20.8–4.8 0.99S 131.96E 0 3.2,3.1

¶12080262

IDC Error ellipse: s-maj=315.6km s-min=26.5km az=73.0.
IDC I 04 19 00 46.3–2.8 0.79S 133.57E 0 3.4L,3.4

¶12080264

IDC Error ellipse: s-maj=138.4km s-min=26.0km az=75.0.
IDC I 04 19 07 44.4–2.0 0.32S 132.68E 0 4.0L,4.0

¶12080265

IDC Error ellipse: s-maj=110.2km s-min=24.1km az=71.0.
IDC I 04 19 14 09.7–3.2 1.73S 132.80E 0 3.7,3.5

¶12080266

IDC Error ellipse: s-maj=176.2km s-min=26.8km az=75.0.
IDC I 04 19 15 18.1–3.0 0.56S 133.28E 0 3.3,3.2b

¶12080267

IDC Error ellipse: s-maj=159.6km s-min=26.9km az=75.0.
IDC I 04 19 27 00.3–16 0.32N 131.92E 0 3.8,3.6

¶12080269

IDC Error ellipse: s-maj=301.7km s-min=192.8km az=125.0.

ISC	**I**	**04 19 33 42.2–.45**	**0.95S–.06**	**134.0E–.10**	**27**	**4.4b,3.6s**	**55**	**12-152**
BJI	I	04 19 33 32.8	1.38S	134.57E	12	4.7b,4.3b		¶12080271
IDC	I	04 19 33 38.0–.71	0.84S	134.12E	0	4.5,4.4		
NEIC	I	04 19 33 39.7–5.2	1.04S	133.76E	7–33	4.5b,4.4		
ISCJB	I	04 19 33 40.5–.37	1.02S–.05	133.85E–.09	27	4.4b,3.4s		
DJA	I	04 19 33 44	0.88S	134.23E	30	4.7,3.4s		

ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=15.0km az=70.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.5km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=6.0km az=163.5.
IDC I 04 19 42 06.6–5.2 0.61N 131.00E 0 3.5,3.3

¶12080272

IDC Error ellipse: s-maj=373.4km s-min=26.2km az=71.0.
IDC I 04 19 42 50.3–2.3 0.18S 133.39E 0 3.5,3.3L

¶12080273

IDC Error ellipse: s-maj=125.6km s-min=24.4km az=72.0.
IDC I 04 19 45 03.9–1.9 0.68S 133.24E 0 3.8,3.7b

¶12080274

IDC Error ellipse: s-maj=115.7km s-min=20.7km az=72.0.
IDC I 04 19 47 54.3–1.1 0.73S 133.58E 0 3.7,3.5b

¶12080275

IDC Error ellipse: s-maj=62.9km s-min=20.7km az=78.0.

IDC	**I**	**04 20 10 07.6–6.4**	**0.29S**	**132.62E**	**0**	**3.9L,3.9**	
DJA	I	04 20 09 46	1.15N	133.72E	10	4.7,3.9	¶12080276

IDC Error ellipse: s-maj=425.6km s-min=23.3km az=74.0.
IDC I 04 20 16 20.8–20 0.25S 132.60E 0 3.8b,3.8

¶12080277

IDC Error ellipse: s-maj=359.8km s-min=184.9km az=132.0.

IDC	**I**	**04 20 17 22.4–2.7**	**0.26S**	**132.75E**	**0**	**3.9,3.7b**	
DJA	I	04 20 17 56	2.67S	131.58E	10	3.3,3.7b	¶12080278

IDC Error ellipse: s-maj=190.9km s-min=20.7km az=72.0.
IDC I 04 20 32 59.4–1.2 0.88S 133.00E 0 4.8s,4.8

DJA	I	04 20 33 02	0.67S	133.62E	30	4.9b,4.8	¶12080283

IDC Error ellipse: s-maj=64.2km s-min=24.0km az=79.0.
IDC I 04 20 50 52.1–2.6 0.14S 132.62E 0 3.8,3.7L

¶12080285

IDC Error ellipse: s-maj=140.2km s-min=25.9km az=73.0.
IDC I 04 20 54 33.3–3.1 0.88S 132.87E 0 3.6,3.4L

¶12080286

IDC Error ellipse: s-maj=168.4km s-min=27.8km az=74.0.
IDC I 04 20 56 53.5–14 0.51S 133.18E 0 3.7,3.6b

¶12080287

IDC Error ellipse: s-maj=224.0km s-min=120.1km az=159.0.
IDC I 04 21 16 25.9–3.2 0.37S 132.21E 0 3.7,3.5b

¶12080288

IDC Error ellipse: s-maj=232.5km s-min=22.5km az=76.0.
IDC I 04 21 37 23.6–14 0.74S 133.03E 0 3.9,3.7L

¶12080292

IDC Error ellipse: s-maj=210.5km s-min=124.7km az=156.0.

IDC	**I**	**04 21 49 08.2–2.0**	**0.31S**	**133.27E**	**0**	**4.2,4.2L**	
DJA	I	04 21 49 10	0.21S	133.04E	9	4.6,4.2L	¶12080294

IDC Error ellipse: s-maj=116.0km s-min=22.3km az=72.0.
IDC I 04 22 14 08.0–1.1 0.27S 133.04E 0 4.2s,4.2

¶12080297

IDC Error ellipse: s-maj=66.8km s-min=19.7km az=77.0.
IDC I 04 22 16 48.8–2.7 0.55S 133.49E 0 4.1,4.0b

¶12080298

IDC Error ellipse: s-maj=188.5km s-min=19.4km az=73.0.
IDC I 04 22 36 56.4–12 0.87S 133.48E 0 3.9,3.8b

¶12080300

IDC Error ellipse: s-maj=192.9km s-min=115.6km az=156.0.
IDC I 04 22 40 48.6–2.3 0.69S 133.36E 0 3.7,3.6b

¶12080301

IDC Error ellipse: s-maj=139.6km s-min=21.7km az=77.0.
IDC I 04 23 08 40.8–2.2 0.49S 131.93E 0 3.9,3.7b

¶12080304

IDC Error ellipse: s-maj=165.0km s-min=26.8km az=78.0.

IDC	**I**	**04 23 31 17.8–2.5**	**0.74S**	**133.16E**	**0**	**3.8,3.6L**	
DJA	I	04 23 31 23	0.69S	133.44E	47	4.1,3.6L	¶12080305

IDC Error ellipse: s-maj=97.2km s-min=27.5km az=78.0.
IDC I 04 23 36 39.3–.87 0.43S 133.14E 0 4.4L,4.2

¶12080306

IDC Error ellipse: s-maj=40.7km s-min=15.2km az=71.0.

ISC	**I**	**04 23 39 34.0–.45**	**0.45S–.05**	**132.81E–.06**	**32**	**4.7b**	**109**	**3-152**
IDC	I	04 23 39 28.9–.74	0.35S	132.95E	0	4.5L,4.4		¶11528286
ISCJB	I	04 23 39 32.0–.31	0.36S–.04	132.91E–.04	32	4.5b,3.8s		
DJA	I	04 23 39 33	0.51S	132.86E	10	5.1b,3.8s		
NEIC	I	04 23 39 34.5–1.3	0.41S	132.97E	38–12	4.6b,3.8s		

ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=11.5km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.8km az=144.4.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.1km az=53.0.
IDC I 04 23 45 29.1–2.1 0.52S 132.95E 0 3.9,3.7b

¶12080307

IDC Error ellipse: s-maj=81.5km s-min=27.1km az=74.0.
IDC I 05 00 11 40.1–1.8 0.68S 133.27E 0 4.0,3.9b

¶12080310

IDC Error ellipse: s-maj=93.4km s-min=19.3km az=76.0.

ISC	**I**	**05 00 44 32.2–.52**	**0.60S–.06**	**132.1E–.10**	**31**	**4.5b,3.6s**	**47**	**10-152**
IDC	I	05 00 44 28.2–.74	0.34S	132.24E	0	4.3,4.2		¶11528510
ISCJB	I	05 00 44 30.8–.40	0.52S–.05	132.1E–.10	31	4.4b,3.5s		
DJA	I	05 00 44 32	0.01S	132.09E	30	4.8,3.5s		
NEIC	I	05 00 44 33.4–.27	0.37S	132.22E	35	4.6b,3.5s		

ISC Event type ke.
IDC Error ellipse: s-maj=36.7km s-min=15.0km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=17.8km s-min=5.8km az=169.7.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=5.1km az=75.0.
IDC I 05 00 52 32.9–5.7 0.40S 132.46E 0 3.4,3.3

¶12080312

IDC Error ellipse: s-maj=360.4km s-min=26.6km az=74.0.
IDC I 05 00 58 34.7–2.2 0.32S 132.22E 0 3.7L,3.6

¶12080313

IDC Error ellipse: s-maj=178.3km s-min=19.7km az=72.0.

ISC	**I**	**05 00 58 50.8–.89**	**0.55S–.09**	**132.3E–.30**	**33**	**4.1b**	**23**	**19-87**
IDC	I	05 00 58 46.5–1.1	0.38S	132.31E	0	4.1,3.9b		¶12080314
NEIC	I	05 00 58 51.6–.47	0.41S	132.26E	35	4.1b,3.9b		

ISC Event type ke.
IDC Error ellipse: s-maj=62.5km s-min=19.2km az=82.0.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=6.1km az=79.0.

IDC	**I**	**05 01 02 37.6–1.6**	**0.62S**	**133.34E**	**0**	**4.0,3.9L**	
DJA	I	05 01 02 44	1.19S	130.91E	99	4.0,3.9L	¶12080315

IDC Error ellipse: s-maj=77.6km s-min=14.5km az=79.0.
IDC I 05 01 15 15.4–2.4 0.72S 133.54E 0 3.5,3.4b

¶12080316

IDC Error ellipse: s-maj=97.2km s-min=24.5km az=79.0.
IDC I 05 01 22 47.9–2.9 0.88S 132.69E 0 3.6,3.5b

¶12080317

IDC Error ellipse: s-maj=135.5km s-min=25.6km az=78.0.
IDC I 05 01 25 15.1–2.8 0.81S 133.78E 0 3.6,3.5L

¶12080318

IDC Error ellipse: s-maj=108.8km s-min=26.8km az=80.0.

ISC	**I**	**05 01 37 01.4–.67**	**0.76S–.07**	**132.0E–.20**	**35**	**4.4b**	**37**	**2-89**
IDC	I	05 01 36 56.4–.77	0.46S	132.39E	0	4.5L,4.4		¶11528513
DJA	I	05 01 36 59	0.39S	132.43E	10	4.8,4.4		
NEIC	I	05 01 37 01.6–.45	0.47S	132.45E	35	4.5b,4.4		

ISC Event type se.
IDC Error ellipse: s-maj=46.4km s-min=14.1km az=75.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=6.6km az=78.0.

ISC	**I**	**05 02 06 05.3–.75**	**0.82S–.08**	**132.7E–.10**	**35**	**4.0b**	**19**	**2-151**
DJA	I	05 02 05 56	0.04N	133.42E	30	4.9b		¶11528515
IDC	I	05 02 05 59.7–.75	0.71S	132.54E	0	4.3L,4.3		

ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=11.5km az=74.0.

IDC	**I**	**05 02 20 04.1–.68**	**0.82S**	**133.83E**	**0**	**4.2,4.2L**	
DJA	I	05 02 20 03	1.44S	133.95E	10	4.2,4.2L	¶12080321

IDC Error ellipse: s-maj=34.4km s-min=13.8km az=69.0.
IDC I 05 02 44 35.8–3.1 0.62S 132.96E 0 3.7,3.7L

DJA	I	05 02 44 43	0.59S	133.04E	30	3.7,3.7L	¶12080324

IDC Error ellipse: s-maj=208.2km s-min=24.1km az=72.0.
IDC I 05 02 51 35.2–1.0 0.65S 133.42E 0 3.9,3.8b

DJA	I	05 02 51 37	0.35S	133.45E	58	4.9b,3.8b	¶12080325

IDC Error ellipse: s-maj=56.7km s-min=13.4km az=82.0.
IDC I 05 03 07 01.4–2.9 0.64S 133.31E 0 3.6L,3.6s

¶12080326

IDC Error ellipse: s-maj=147.0km s-min=26.9km az=75.0.

IDC	**I**	**05 03 32 10.5–1.7**	**0.45S**	**133.05E**	**0**	**4.4,4.3b**	
DJA	I	05 03 32 17	0.66S	132.78E	10	4.7b,4.3b	¶12080327

IDC Error ellipse: s-maj=72.4km s-min=18.7km az=71.0.

ISC	**I**	**05 03 41 03.1–.67**	**0.83S–.07**	**133.2E–.10**	**35**	**4.5b**	**29**	**2-153**
IDC	I	05 03 40 57.7–.65	0.74S	133.13E	0	4.6,4.6L		¶11528518
ISCJB	I	05 03 41 00.6–.57	0.70S–.06	133.34E–.07	33	4.5b,3.6s		
DJA	I	05 03 41 03	0.77S	133.25E	55	4.9,3.6s		

ISC Event type ke.
IDC Error ellipse: s-maj=43.0km s-min=14.1km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=8.6km az=154.9.

IDC	**I**	**05 03 44 49.7–.89**	**0.36S**	**132.86E**	**0**	**4.3,4.3L**	
DJA	I	05 03 45 14	1.63S	131.92E	10	4.3,4.3L	¶12080328

IDC Error ellipse: s-maj=48.1km s-min=13.6km az=76.0.

ISC	**I**	**05 03 51 05.7–2.7**	**1.0S–.20**	**132.6E–.20**	**35**	**4.3b**	**13**	**12-65**
IDC	I	05 03 50 55.8–1.6	0.39S	132.81E	0	4.5,4.4L		¶12080329
DJA	I	05 03 51 01	0.58S	132.79E	10	4.6,4.4L		

ISC Event type ke.
IDC Error ellipse: s-maj=56.6km s-min=19.9km az=76.0.

ISC	**I**	**05 04 07 25.8–.70**	**0.30S–.07**	**133.0E–.20**	**32**	**4.2b,3.5s**	**25**	**13-153**
IDC	I	05 04 07 20.8–.73	0.22S	133.09E	0	4.4,4.3L		¶11528519
ISCJB	I	05 04 07 24.0–.59	0.30S–.07	132.9E–.10	32	4.3b,3.5s		
DJA	I	05 04 07 30	0.43S	133.15E	48	4.9b,3.5s		

ISC Event type ke.
IDC Error ellipse: s-maj=35.8km s-min=12.7km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=9.3km az=162.1.

IDC	**I**	**05 05 06 16.0–1.0**	**0.71S**	**133.36E**	**0**	**4.0,3.9b**	
DJA	I	05 05 06 22	0.87S	133.09E	7	3.8,3.9b	¶12080334

IDC Error ellipse: s-maj=56.0km s-min=18.2km az=80.0.

IDC	**I**	**05 05 08 16.9–1.5**	**0.31S**	**133.07E**	**0**	**4.0L,4.0b**	
DJA	I	05 05 08 18	0.14S	133.00E	10	4.4,4.0b	¶12080335

IDC Error ellipse: s-maj=84.5km s-min=17.1km az=76.0.
IDC I 05 05 20 06.7–11 0.41N 133.07E 0 3.7,3.5L

¶12080336

IDC Error ellipse: s-maj=172.7km s-min=84.3km az=168.0.

IDC	**I**	**05 05 33 31.3–2.5**	**0.33S**	**132.80E**	**0**	**4.0b,4.0**	
DJA	I	05 05 33 47	1.84S	130.97E	10	3.7,4.0	¶12080337

IDC Error ellipse: s-maj=110.7km s-min=24.9km az=78.0.

ISC	**I**	**05 05 40 31.9–.59**	**0.69S–.06**	**133.2E–.20**	**32**	**4.5b**	**42**	**2-151**
IDC	I	05 05 40 26.9–.67	0.73S	133.21E	0	4.3,4.3L		¶11528523
NEIC	I	05 05 40 32.4–.36	0.69S	133.18E	35	4.3b,4.3L		
DJA	I	05 05 40 33	0.81S	133.13E	10	4.6,4.3L		

ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=11.8km az=83.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=6.6km az=82.0.

IDC	**I**	**05 05 48 59.8–1.6**	**0.36S**	**133.02E**	**0**	**4.0L,4.0**	
DJA	I	05 05 49 05	0.41S	132.86E	10	4.2,4.0	¶12080339

IDC Error ellipse: s-maj=69.1km s-min=17.8km az=74.0.

ISC	**I**	**05 06 03 38.7–.92**	**0.89S–.08**	**132.6E–.20**	**32**	**4.5b**	**37**	**12-151**
IDC	I	05 06 03 32.8–.79	0.73S	133.02E	0	4.4,4.4L		¶12080340
ISCJB	I	05 06 03 36.9–.66	0.92S–.06	132.6E–.10	32	4.5b,3.1s		
NEIC	I	05 06 03 38.2–.47	0.74S	132.94E	35	4.2b,3.1s		
DJA	I	05 06 03 38	0.74S	133.13E	10	4.8b,3.1s		

ISC Event type ke.
IDC Error ellipse: s-maj=43.3km s-min=12.5km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=20.7km s-min=8.6km az=178.9.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=7.9km az=76.0.
IDC I 05 06 12 38.2–2.4 0.30S 133.49E 0 3.8,3.7b

¶12080341

IDC Error ellipse: s-maj=151.4km s-min=21.6km az=73.0.
IDC I 05 06 20 36.5–2.5 0.69S 133.96E 0 3.6L,3.6

¶12080342

IDC Error ellipse: s-maj=95.6km s-min=25.7km az=80.0.
IDC I 05 06 23 52.2–2.6 0.32S 132.90E 0 3.7L,3.7

¶12080343

IDC Error ellipse: s-maj=103.0km s-min=28.3km az=77.0.

IDC	**I**	**05 06 41 21.6–1.2**	**0.84S**	**133.52E**	**0**	**4.1L,3.9**	
DJA	I	05 06 41 27	0.68S	133.60E	60	4.7b,3.9	¶12080344

IDC Error ellipse: s-maj=56.9km s-min=17.8km az=73.0.

IDC	**I**	**05 07 10 50.5–3.2**	**0.25S**	**133.11E**	**0**	**4.1b,4.1**	
DJA	I	05 07 10 58	0.48S	132.63E	10	4.2,4.1	¶12080345

IDC Error ellipse: s-maj=89.9km s-min=26.7km az=61.0.

IDC	**I**	**05 07 21 32.6–1.4**	**0.49S**	**132.95E**	**0**	**4.1,3.9L**	
DJA	I	05 07 21 38	0.54S	132.85E	10	4.9b,3.9L	¶12080347

IDC Error ellipse: s-maj=63.1km s-min=17.4km az=72.0.

IDC	**I**	**05 07 40 43.1–1.2**	**0.55S**	**133.73E**	**0**	**3.9,3.7b**	
DJA	I	05 07 40 18	1.23S	135.39E	10	5.1,3.7b	¶12080348

IDC Error ellipse: s-maj=67.4km s-min=21.6km az=79.0.
IDC I 05 08 14 12.8–2.0 0.15S 133.07E 0 3.8,3.6L

¶12080350

IDC Error ellipse: s-maj=89.1km s-min=23.3km az=75.0.
IDC I 05 08 21 13.1–11 1.35S 133.27E 0 3.7,3.6L

¶12080351

IDC Error ellipse: s-maj=165.5km s-min=82.9km az=165.0.

ISC	**I**	**05 08 40 32.3–.37**	**0.67S–.05**	**131.98E–.08**	**31**	**4.8b,3.9s**	**114**	**2-154**
IDC	I	05 08 40 26.8–.65	0.39S	132.22E	0	4.4,4.3b		¶11528527
ISCJB	I	05 08 40 29.7–.36	0.51S–.03	132.30E–.08	31	4.6b,3.9s		
DJA	I	05 08 40 30	0.40S	132.35E	10	4.7,3.9s		
BJI	I	05 08 40 30.6	0.50S	132.00E	35	5.0b,4.7s		
NEIC	I	05 08 40 32.1–.36	0.39S	132.32E	35	4.9b,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=11.4km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=4.5km az=168.8.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=6.8km az=74.0.

IDC	**I**	**05 09 02 36.8–.83**	**0.42S**	**132.90E**	**0**	**4.2,4.0L**	
DJA	I	05 09 02 41	0.52S	132.89E	21	4.4,4.0L	¶12080353

IDC Error ellipse: s-maj=41.2km s-min=15.1km az=71.0.

ISC	**I**	**05 09 09 37.6–.56**	**0.32S–.07**	**132.89E–.07**	**32**	**4.3b,3.8s**	**52**	**3-152**

IDC I 05 09 09 33.0–.73 0.34S 132.76E 0 4.4,4.2 ¶11528528
BJI I 05 09 09 34.0 0.30S 132.90E 19 4.9b,4.8s
ISCJB I 05 09 09 35.8–.43 0.31S–.05 132.91E–.06 32 4.3b,3.7s
DJA I 05 09 09 36 0.34S 132.83E 10 5.2b,3.7s
NEIC I 05 09 09 38.1–.36 0.42S 132.73E 35 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=14.0km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.8km az=145.3.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.3km az=64.0.
IDC I 05 09 12 17.0–2.2 0.62S 133.82E 0 4.0L,4.0
¶12080356

IDC Error ellipse: s-maj=82.2km s-min=27.5km az=76.0.
ISC I 05 09 40 20.6–.39 0.39S–.04 132.88E–.06 34–1 4.9b,3.9s 260 3-153
IDC I 05 09 40 15.2–.48 0.48S 132.72E 0 4.8L,4.7 ¶11528531
BJI I 05 09 40 15.4 0.70S 133.16E 35 5.0b,4.9b
MOS I 05 09 40 18.3–.81 0.37S 132.77E 31 5.0b,4.9b
ISCJB I 05 09 40 19.6–.83 0.40S–.04 132.90E–.04 44–8 4.8b,4.0s
NEIC I 05 09 40 20.6–.22 0.38S 132.87E 35 4.9b,4.0s
DJA I 05 09 40 20 0.53S 132.83E 10 5.0b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=9.6km az=77.0.
MOS Error ellipse: s-maj=16.9km s-min=6.4km az=116.4.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.7km az=146.7.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.2km az=70.0.
IDC I 05 10 22 03.5–1.1 0.60S 133.63E 0 4.0L,3.9
DJA I 05 10 22 08 0.76S 133.35E 18 4.5,3.9 ¶12080358
IDC Error ellipse: s-maj=46.3km s-min=19.3km az=83.0.
IDC I 05 10 25 01.8–1.7 0.33S 133.93E 0 4.0,3.9b
¶12080359

IDC Error ellipse: s-maj=73.0km s-min=26.9km az=77.0.
IDC I 05 10 30 58.7–.96 0.34S 133.16E 0 4.0,3.9L
DJA I 05 10 31 27 1.33S 131.65E 63 4.3,3.9L ¶12080360
IDC Error ellipse: s-maj=53.3km s-min=16.5km az=76.0.
IDC I 05 10 54 22.3–2.0 0.64S 133.30E 0 4.0,3.9b
¶12080361

IDC Error ellipse: s-maj=83.7km s-min=23.2km az=75.0.
ISC I 05 11 02 07.7–.37 0.64S–.05 133.38E–.06 28 4.8b,3.8s 105 3-153
BJI I 05 11 02 02.2 0.86S 133.48E 20 4.9b,4.6b ¶11528536
IDC I 05 11 02 03.6–.51 0.70S 133.31E 0 4.7,4.7L
ISCJB I 05 11 02 06.0–.31 0.66S–.04 133.36E–.04 28 4.7b,3.8s
NEIC I 05 11 02 08.7–.25 0.70S 133.32E 35 4.7b,3.8s
DJA I 05 11 02 08 0.75S 133.19E 22 5.1b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=10.0km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.2km az=164.4.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.0km az=74.0.
IDC I 05 11 25 48.3–2.5 0.17S 133.10E 0 3.8,3.6
¶12080362

IDC Error ellipse: s-maj=96.8km s-min=27.5km az=77.0.
IDC I 05 11 28 49.3–2.3 0.70S 133.18E 0 3.4,3.3b
¶12080363

IDC Error ellipse: s-maj=100.8km s-min=23.7km az=79.0.
IDC I 05 11 32 05.8–2.5 0.01S 133.22E 0 3.6L,3.6
¶12080364

IDC Error ellipse: s-maj=100.1km s-min=27.3km az=78.0.
IDC I 05 11 35 51.0–2.4 0.70S 133.04E 0 3.6,3.5L
¶12080365

IDC Error ellipse: s-maj=97.6km s-min=24.5km az=78.0.
IDC I 05 11 40 30.5–1.9 0.67S 133.68E 0 3.6,3.5
¶12080366

IDC Error ellipse: s-maj=95.3km s-min=19.6km az=77.0.
IDC I 05 12 09 40.7–1.3 0.38S 133.18E 0 4.0,3.9L
DJA I 05 12 09 47 0.51S 132.85E 30 4.4,3.9L ¶12080369
IDC Error ellipse: s-maj=57.7km s-min=17.3km az=83.0.
IDC I 05 12 21 22.7–1.9 0.55S 133.22E 0 3.8,3.7L
¶12080370

IDC Error ellipse: s-maj=77.8km s-min=23.1km az=75.0.
IDC I 05 12 24 06.9–3.1 0.18S 133.09E 0 3.3,3.3
¶12080371

IDC Error ellipse: s-maj=153.6km s-min=30.4km az=74.0.
IDC I 05 12 41 45.9–1.4 0.77S 133.36E 0 3.9L,3.8
DJA I 05 12 41 49 0.77S 133.28E 10 4.1,3.8 ¶12080372
IDC Error ellipse: s-maj=76.3km s-min=17.2km az=77.0.
IDC I 05 12 46 08.9–2.8 0.67S 133.33E 0 3.6,3.4L
DJA I 05 12 46 13 0.68S 133.57E 41 4.2,3.4L ¶12080373
IDC Error ellipse: s-maj=135.0km s-min=23.1km az=79.0.
IDC I 05 12 55 46.0–2.6 0.53N 133.07E 0 3.6,3.5L
¶12080374

IDC Error ellipse: s-maj=101.8km s-min=28.6km az=77.0.
ISC I 05 13 22 43.5–.58 0.53S–.07 131.97E–.09 31 4.4b,3.8s 38 2-129
IDC I 05 13 22 39.3–.99 0.37S 132.02E 0 4.1,4.0 ¶12080376
ISCJB I 05 13 22 42.0–.41 0.41S–.05 131.91E–.06 31 4.2b,3.9s
DJA I 05 13 22 41 0.43S 131.88E 10 4.7,3.9s
NEIC I 05 13 22 43.1–5.0 0.40S 131.98E 26–36 4.6b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=40.1km s-min=16.8km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=7.0km az=149.4.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=8.5km az=55.0.
IDC I 05 13 28 57.1–2.2 0.82S 131.46E 0 3.8,3.7b
¶12080377

IDC Error ellipse: s-maj=124.2km s-min=21.6km az=77.0.
IDC I 05 13 41 26.4–2.9 0.42S 132.79E 0 3.5,3.3b
¶12080378

IDC Error ellipse: s-maj=159.0km s-min=26.4km az=74.0.
IDC I 05 13 42 39.9–4.9 0.78S 131.69E 0 3.5,3.3b
¶12080379

IDC Error ellipse: s-maj=325.1km s-min=28.2km az=73.0.
IDC I 05 14 11 30.8–2.0 0.59S 133.19E 0 3.9,3.8L
DJA I 05 14 11 38 0.63S 133.05E 25 4.7b,3.8L ¶12080383
IDC Error ellipse: s-maj=80.0km s-min=25.1km az=74.0.
IDC I 05 14 16 13.4–2.5 0.71S 133.54E 0 3.6,3.4L
¶12080384

IDC Error ellipse: s-maj=97.1km s-min=26.8km az=79.0.
ISC I 05 15 28 22.1–.34 0.83S–.04 133.50E–.05 30–2 5.0b,3.9s 262 2-153
BJI I 05 15 28 15.4 1.23S 133.82E 24 5.0b,4.8b ¶11528545
MOS I 05 15 28 20.8–.88 0.74S 133.45E 33 5.2b,4.8b
ISCJB I 05 15 28 21.3–1.1 0.78S–.04 133.60E–.05 39–9 4.9b,4.0s
NEIC I 05 15 28 22.2–2.6 0.76S 133.48E 30–18 5.0b,4.0s
IDC I 05 15 28 22.6–3.4 0.76S 133.48E 33–26 4.8L,4.7
DJA I 05 15 28 25 0.95S 133.47E 28 5.1b,4.7
ISC Event type se.
MOS Error ellipse: s-maj=14.9km s-min=6.4km az=113.3.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.0km az=156.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.1km az=63.0.
IDC Error ellipse: s-maj=21.0km s-min=9.6km az=78.0.
IDC I 05 15 57 50.9–2.1 0.66S 133.24E 0 3.9,3.7b
DJA I 05 15 57 56 0.64S 133.36E 62 4.4,3.7b ¶12080389
IDC Error ellipse: s-maj=85.3km s-min=25.6km az=75.0.
IDC I 05 15 58 26.9–2.0 0.19S 132.93E 0 4.3L,4.1
¶12080390

IDC Error ellipse: s-maj=79.1km s-min=19.8km az=70.0.
IDC I 05 15 59 44.3–2.2 0.36S 133.00E 0 4.2,4.0b
¶12080391

IDC Error ellipse: s-maj=92.8km s-min=21.5km az=66.0.
IDC I 05 16 21 47.7–12 0.62N 132.90E 0 3.7,3.5b
¶12080392

IDC Error ellipse: s-maj=191.6km s-min=129.7km az=163.0.
IDC I 05 16 36 51.9–2.4 0.77S 133.24E 0 3.4L,3.4
¶12080393

IDC Error ellipse: s-maj=131.2km s-min=32.0km az=77.0.
IDC I 05 16 48 22.4–1.0 0.64S 133.54E 0 4.2L,4.2

DJA I 05 16 48 30 0.86S 133.26E 62 4.3,4.2 ¶12080394
IDC Error ellipse: s-maj=57.3km s-min=16.9km az=81.0.
IDC I 05 17 30 29.8–.92 0.19S 132.50E 0 4.0,3.9b
DJA I 05 17 30 37 0.22S 132.06E 61 4.2,3.9b ¶12080397
IDC Error ellipse: s-maj=49.6km s-min=16.9km az=72.0.
IDC I 05 18 11 12.3–2.4 1.14S 133.80E 0 3.6,3.4L
¶12080399

IDC Error ellipse: s-maj=94.2km s-min=24.9km az=80.0.
IDC I 05 18 28 34.9–2.0 0.10S 132.68E 0 3.7L,3.6
DJA I 05 18 28 40 0.15S 132.53E 25 4.4b,3.6 ¶12080401
IDC Error ellipse: s-maj=93.8km s-min=24.4km az=83.0.
IDC I 05 18 34 39.9–7.3 0.77S 133.30E 0 3.4,3.3b
¶12080402

IDC Error ellipse: s-maj=437.1km s-min=27.9km az=75.0.
ISC I 05 18 39 30.9–.48 0.63S–.06 133.38E–.08 28 4.6b,3.5s 58 3-153
IDC I 05 18 39 26.3–.74 0.68S 133.23E 0 4.4,4.4L ¶11528550
ISCJB I 05 18 39 28.0–.45 0.66S–.04 133.47E–.07 28 4.4b,3.5s
BJI I 05 18 39 29.3 0.60S 133.30E 35 4.9b,4.4b
NEIC I 05 18 39 31.3–.43 0.71S 133.34E 35 4.6b,4.4b
DJA I 05 18 39 32 0.81S 133.31E 75 4.7,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=12.0km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.4km az=172.4.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=7.1km az=77.0.
IDC I 05 19 22 20.2–2.0 0.50S 131.83E 0 3.9,3.8L
DJA I 05 19 22 27 0.60S 132.12E 5 5.3,3.8L ¶12080406
IDC Error ellipse: s-maj=101.0km s-min=22.7km az=73.0.
ISC I 05 19 24 03.3–.33 0.64S–.03 133.30E–.04 33–1 5.3b,4.7s 464 2-161
IDC I 05 19 23 58.2–.43 0.62S 133.25E 0 5.2,5.1 ¶11528553
BJI I 05 19 23 59.8 0.83S 133.49E 36 5.2b,5.1b
NEIC I 05 19 24 00.8–2.7 0.65S 133.28E 17–16 5.3b,4.8s
ISCJB I 05 19 24 01.7–.75 0.64S–.03 133.39E–.03 36–6 5.3b,4.7s
MOS I 05 19 24 01.5–.98 0.64S 133.19E 33 5.6b,4.6s
TEH I 05 19 24 03.0 6.82S 133.26E 35 5.3L,4.6s
DJA I 05 19 24 08 0.78S 133.27E 56 5.3W,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=10.6km az=78.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.0km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.3km az=144.7.
MOS Error ellipse: s-maj=11.6km s-min=5.4km az=109.6.
ISC I 05 19 43 08.9–.57 0.46S–.09 131.9E–.10 31 4.2b,3.8s 42 13-89
IDC I 05 19 43 04.3–.74 0.43S 131.90E 0 4.1,4.0 ¶11528554
ISCJB I 05 19 43 06.9–.40 0.50S–.06 131.80E–.09 31 4.2b,3.8s
NEIC I 05 19 43 09.3–3.5 0.49S 131.87E 35–25 4.6b,3.8s
DJA I 05 19 43 10 0.61S 131.84E 11 4.6,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=13.8km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.9km az=156.7.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.5km az=50.0.
IDC I 05 19 46 24.4–.84 0.58S 133.45E 0 4.1,4.0L
DJA I 05 19 46 31 0.58S 133.36E 96 4.9,4.0L ¶12080408
IDC Error ellipse: s-maj=52.0km s-min=15.5km az=78.0.
ISC I 05 19 49 07.9–.46 0.89S–.06 133.11E–.09 35 4.5b 68 2-153
BJI I 05 19 48 54.9 1.41S 134.20E 10 4.4b ¶11528555
IDC I 05 19 49 02.9–.57 0.80S 133.07E 0 4.7L,4.4
NEIC I 05 19 49 08.3–.33 0.78S 133.12E 35 4.6b,4.4
DJA I 05 19 49 10 0.93S 133.15E 13 5.2b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=13.0km az=71.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.3km az=74.0.
ISC I 05 20 32 14.8–.33 0.69S–.05 133.33E–.05 28 4.9b 226 2-153
IDC I 05 20 32 11.0–.60 0.69S 133.17E 0 4.7,4.6 ¶11528556
BJI I 05 20 32 11.6 0.88S 133.35E 28 5.1b,5.0s
ISCJB I 05 20 32 13.0–.26 0.65S–.03 133.38E–.04 28 4.8b,3.8s
MOS I 05 20 32 13.8–.87 0.79S 133.14E 33 5.0b,3.8s
NEIC I 05 20 32 14.5–3.0 0.75S 133.21E 25–22 4.9b,3.8s
DJA I 05 20 32 18 0.96S 133.22E 30 5.2b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=13.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=158.1.
MOS Error ellipse: s-maj=17.9km s-min=7.2km az=118.3.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.4km az=50.0.
ISC I 05 20 41 50.6–.32 0.43S–.04 132.96E–.06 32 4.8b,4.1s 178 3-153
BJI I 05 20 41 46.3 0.51S 133.24E 28 5.0b,4.8b ¶11528557
IDC I 05 20 41 46.0–.53 0.30S 133.05E 0 4.6,4.6
MOS I 05 20 41 48.9–.85 0.32S 133.03E 33 5.0b,4.6
ISCJB I 05 20 41 48.8–.25 0.28S–.03 133.15E–.04 32 4.7b,4.2s
NEIC I 05 20 41 50.5–2.9 0.36S 133.01E 32–21 4.8b,4.2s
DJA I 05 20 41 54 0.57S 133.13E 30 5.0b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=11.8km az=75.0.
MOS Error ellipse: s-maj=18.8km s-min=7.0km az=112.9.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=171.7.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.7km az=55.0.
IDC I 05 20 56 21.1–1.6 0.10S 133.01E 0 4.0,3.9L
¶12080410

IDC Error ellipse: s-maj=94.3km s-min=17.3km az=77.0.
IDC I 05 21 03 52.8–3.5 0.05S 133.12E 0 3.3,3.2L
¶12080411

IDC Error ellipse: s-maj=193.2km s-min=26.6km az=74.0.
IDC I 05 21 07 28.8–1.2 0.63S 133.66E 0 3.9,3.7L
¶12080412

IDC Error ellipse: s-maj=65.8km s-min=19.5km az=82.0.
ISC I 05 21 18 34.9–.42 0.39S–.06 133.15E–.07 32 4.5b,4.0s 91 3-152
BJI I 05 21 18 28.7 0.74S 133.54E 29 4.8b,4.6b ¶11528558
IDC I 05 21 18 30.3–.63 0.33S 133.13E 0 4.5,4.3b
ISCJB I 05 21 18 32.9–.33 0.34S–.04 133.17E–.06 32 4.4b,3.9s
NEIC I 05 21 18 34.1–2.6 0.37S 133.15E 26–19 4.5b,3.9s
DJA I 05 21 18 35 0.57S 133.15E 10 4.8b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=13.3km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.9km az=164.6.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.0km az=53.0.
IDC I 05 21 29 01.1–2.1 0.68S 133.33E 0 3.7,3.6b
¶12080413

IDC Error ellipse: s-maj=81.2km s-min=25.9km az=75.0.
IDC I 05 21 37 22.1–2.2 0.31S 133.24E 0 3.5,3.4b
¶12080414

IDC Error ellipse: s-maj=119.2km s-min=24.0km az=72.0.
IDC I 05 21 52 32.7–2.4 0.27S 132.64E 0 3.7,3.5b
¶12080415

IDC Error ellipse: s-maj=138.1km s-min=23.0km az=74.0.
IDC I 05 22 43 32.7–2.8 0.93S 132.37E 0 3.6,3.4L
¶12080417

IDC Error ellipse: s-maj=130.0km s-min=24.7km az=77.0.
ISC I 05 23 04 58.1–1.1 0.89S–.08 131.5E–.30 35 4.0b 22 18-74
IDC I 05 23 04 49.7–1.5 0.67S 133.30E 0 4.1L,4.1 ¶12080418
NEIC I 05 23 04 55.2–.75 0.72S 133.12E 35 3.8b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=89.0km s-min=15.7km az=77.0.
NEIC Event type se. Error ellipse: s-maj=42.5km s-min=7.8km az=78.0.
IDC I 05 23 13 18.1–2.1 0.63S 132.89E 0 3.5,3.3L
¶12080421

IDC Error ellipse: s-maj=93.6km s-min=22.2km az=79.0.
IDC I 05 23 15 18.6–3.8 0.28S 133.93E 0 3.6s,3.6
¶12080422

IDC Error ellipse: s-maj=201.3km s-min=26.5km az=76.0.
IDC I 05 23 26 10.1–3.2 0.05N 133.54E 0 3.9,3.8L
¶12080425

IDC Error ellipse: s-maj=200.5km s-min=24.6km az=73.0.
IDC I 06 00 02 25.1–2.6 0.53S 133.23E 0 3.8,3.7L

¶12080428
IDC Error ellipse: s-maj=97.4km s-min=28.1km az=78.0.
IDC I 06 00 21 10.7–2.4 0.66S 132.92E 0 3.5,3.4b
¶12080432
IDC Error ellipse: s-maj=95.5km s-min=25.2km az=78.0.
IDC I 06 00 26 01.8–12 0.84S 133.08E 0 4.0,3.9b
¶12080433
IDC Error ellipse: s-maj=182.9km s-min=82.0km az=166.0.
ISC I 06 00 34 26.3–.40 0.65S–.04 131.97E–.06 41–3 4.8b,4.0s 146 2-162
IDC I 06 00 34 20.1–.59 0.44S 132.05E 0 4.6,4.5 ¶11532472
BJI I 06 00 34 21.8 0.83S 132.65E 35 5.1b,4.7s
DJA I 06 00 34 22 0.40S 131.96E 10 5.0,4.7s
NEIC I 06 00 34 25.4–.16 0.49S 131.93E 35 4.9b,4.7s
ISCJB I 06 00 34 26.9–.92 0.62S–.04 131.99E–.05 63–8 4.8b,4.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 06 00 42 41.4–2.5 0.49S 131.71E 0 3.5,3.4
¶12080435
IDC Error ellipse: s-maj=133.0km s-min=22.2km az=77.0.
IDC I 06 00 48 43.0–1.5 0.61S 131.66E 0 3.9L,3.9
¶12080436
IDC Error ellipse: s-maj=101.7km s-min=16.7km az=75.0.
IDC I 06 01 21 08.7–2.9 0.19S 132.82E 0 3.5,3.3L
¶12080440
IDC Error ellipse: s-maj=147.5km s-min=29.5km az=74.0.
IDC I 06 01 41 38.0–.87 0.61S 133.12E 0 4.1,3.9L
DJA I 06 01 41 42 0.56S 133.17E 23 4.4,3.9L ¶12080442
IDC Error ellipse: s-maj=47.0km s-min=15.8km az=74.0.
IDC I 06 01 55 44.9–4.6 0.92S 131.29E 0 3.6L,3.6
¶12080443
IDC Error ellipse: s-maj=317.6km s-min=25.5km az=72.0.
ISC I 06 02 16 02.7–1.0 0.56S–.08 132.3E–.10 33 3.7b,3.4s 13 2-89
IDC I 06 02 15 56.7–.91 0.17S 132.99E 0 4.1,4.0 ¶12080446
DJA I 06 02 16 17 1.16S 132.01E 21 4.5,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=37.3km s-min=12.6km az=79.0.
IDC I 06 02 48 51.9–6.9 0.36S 132.36E 0 3.9,3.8b
DJA I 06 02 48 56 0.28S 132.29E 19 4.2,3.8b ¶12080448
IDC Error ellipse: s-maj=443.6km s-min=25.7km az=74.0.
ISC I 06 03 18 28.5–.36 1.10S–.04 133.51E–.05 34–1 5.0b,4.3s 266 2-153
IDC I 06 03 18 22.9–.50 1.04S 133.47E 0 4.7,4.6L ¶11532485
ISCJB I 06 03 18 25.9–.84 1.03S–.03 133.62E–.04 33–7 5.0b,4.2s
BJI I 06 03 18 25.3 1.04S 133.45E 30 5.1b,4.9b
MOS I 06 03 18 26.4–1.4 1.00S 133.44E 33 5.3b,4.9b
NEIC I 06 03 18 28.3–.22 1.06S 133.45E 35 5.1b,4.9b
DJA I 06 03 18 29 1.12S 133.51E 29 5.1b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=10.3km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.0km az=153.3.
MOS Error ellipse: s-maj=16.4km s-min=7.2km az=113.8.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.2km az=62.0.
IDC I 06 03 55 37.2–2.8 0.80S 133.02E 0 3.4,3.2b
¶12080449
IDC Error ellipse: s-maj=146.3km s-min=26.4km az=74.0.
IDC I 06 04 10 43.6–2.3 1.06S 133.43E 0 3.9,3.8L
¶12080451
IDC Error ellipse: s-maj=94.2km s-min=24.1km az=79.0.
IDC I 06 04 19 20.2–1.2 0.66S 133.68E 0 3.9,3.8b
DJA I 06 04 19 25 0.75S 133.52E 20 4.2,3.8b ¶12080452
IDC Error ellipse: s-maj=63.6km s-min=22.2km az=79.0.
IDC I 06 04 24 08.1–2.9 0.65S 133.11E 0 3.6,3.5L
¶12080453
IDC Error ellipse: s-maj=128.1km s-min=25.0km az=79.0.
IDC I 06 04 43 55.1–3.4 0.57S 133.15E 0 3.5,3.3L
¶12080457
IDC Error ellipse: s-maj=186.4km s-min=26.5km az=75.0.
IDC I 06 04 48 04.0–2.4 0.34S 132.79E 0 3.5,3.3L
¶12080458
IDC Error ellipse: s-maj=104.5km s-min=25.0km az=77.0.
IDC I 06 05 31 02.7–2.1 0.56S 133.32E 0 3.8,3.6L
¶12080463
IDC Error ellipse: s-maj=93.3km s-min=21.0km az=79.0.
IDC I 06 05 36 12.5–2.7 0.41S 132.58E 0 3.7,3.5b
¶12080465
IDC Error ellipse: s-maj=142.2km s-min=25.9km az=74.0.
IDC I 06 05 45 10.2–2.7 0.20S 132.94E 0 3.4,3.3
¶12080466
IDC Error ellipse: s-maj=140.2km s-min=26.4km az=74.0.
IDC I 06 06 12 39.4–2.9 0.86S 132.90E 0 3.6,3.5L
¶12080468
IDC Error ellipse: s-maj=152.9km s-min=26.3km az=74.0.
IDC I 06 06 29 04.8–2.4 0.38S 133.23E 0 3.6,3.5b
DJA I 06 06 29 04 1.97S 129.77E 23 3.3,3.5b ¶12080469
IDC Error ellipse: s-maj=123.4km s-min=27.7km az=72.0.
IDC I 06 06 36 06.7–3.0 0.97S 133.29E 0 3.3,3.2
¶12080470
IDC Error ellipse: s-maj=159.5km s-min=26.4km az=75.0.
IDC I 06 06 37 16.4–1.0 0.67S 133.46E 0 3.9,3.8L
DJA I 06 06 37 22 0.73S 133.37E 25 4.4,3.8L ¶12080471
IDC Error ellipse: s-maj=55.4km s-min=17.3km az=80.0.
ISC I 06 07 23 31.7–.54 1.19S–.06 133.58E–.06 29 4.3b,3.3s 46 2-152
IDC I 06 07 23 27.6–.71 0.99S 133.61E 0 4.4L,4.2 ¶12080476
ISCJB I 06 07 23 30.2–.56 1.01S–.05 133.66E–.09 29 4.2b,3.3s
DJA I 06 07 23 31 0.79S 133.58E 33 4.6,3.3s
NEIC I 06 07 23 33.2–.41 1.00S 133.54E 35 4.5b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=15.9km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=6.9km az=164.4.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=7.2km az=68.0.
IDC I 06 07 28 54.6–2.4 0.71S 130.98E 0 3.7,3.6b
¶12080477
IDC Error ellipse: s-maj=202.5km s-min=22.4km az=74.0.
ISC I 06 07 48 59.2–1.0 0.83S–.09 133.7E–.20 29 3.7b,3.4s 18 16-86
IDC I 06 07 48 54.6–1.3 0.69S 134.15E 0 4.0,3.8b ¶12080478
ISCJB I 06 07 48 57.5–.80 0.76S–.07 133.8E–.10 29 3.6b,3.5s
NEIC I 06 07 49 00.1–.62 0.70S 134.01E 35 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=58.4km s-min=20.3km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=10.2km az=5.8.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=9.4km az=80.0.
ISC I 06 07 50 02.0–1.5 0.7S–.20 132.9E–.20 32 4.2b 13 14-65
IDC I 06 07 49 57.5–1.9 0.64S 132.90E 0 4.0,3.9b ¶12080479
ISCJB I 06 07 49 59.7–1.4 0.7S–.10 132.9E–.10 32 4.0b,3.9b
NEIC I 06 07 50 02.3–1.3 0.65S 132.90E 35 4.7b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=81.0km s-min=23.4km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=24.6km s-min=15.4km az=44.2.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=14.4km az=221.0.
IDC I 06 07 59 16.4–1.2 0.68S 133.36E 0 3.9,3.7b
¶12080480
IDC Error ellipse: s-maj=56.0km s-min=20.4km az=82.0.
IDC I 06 08 53 53.3–2.7 0.32S 132.65E 0 3.7s,3.7
¶12080483
IDC Error ellipse: s-maj=140.7km s-min=26.5km az=74.0.
IDC I 06 08 58 49.2–2.1 0.64S 133.75E 0 3.8,3.7L
DJA I 06 08 58 56 0.72S 133.45E 45 4.0,3.7L ¶12080484
IDC Error ellipse: s-maj=83.8km s-min=25.1km az=76.0.
IDC I 06 09 16 12.8–2.2 0.63S 132.83E 0 3.8,3.6b
¶12080487
IDC Error ellipse: s-maj=193.8km s-min=26.7km az=77.0.
IDC I 06 09 53 41.4–2.9 0.32S 133.25E 0 4.0,3.8b
DJA I 06 09 52 21 1.44S 129.51E 7 3.4,3.8b ¶12080490
IDC Error ellipse: s-maj=190.6km s-min=23.6km az=72.0.
IDC I 06 10 15 03.2–3.3 1.06S 132.55E 0 3.8,3.6b
DJA I 06 10 15 05 1.99S 130.23E 13 3.5,3.6b ¶12080491
IDC Error ellipse: s-maj=91.4km s-min=30.5km az=84.0.
IDC I 06 10 46 36.8–.82 0.44S 132.68E 0 4.2L,4.2
DJA I 06 10 46 39 0.21S 132.97E 12 4.7,4.2 ¶12080495
IDC Error ellipse: s-maj=39.5km s-min=11.8km az=76.0.
IDC I 06 10 57 08.7–2.4 0.30S 132.64E 0 3.7,3.5
¶12080497
IDC Error ellipse: s-maj=94.7km s-min=26.0km az=78.0.
IDC I 06 10 58 01.9–2.4 0.72S 132.89E 0 4.0,3.8L
¶12080498
IDC Error ellipse: s-maj=98.3km s-min=24.4km az=78.0.
IDC I 06 11 00 42.1–1.6 0.19S 132.95E 0 4.0,3.9
¶12080499
IDC Error ellipse: s-maj=77.9km s-min=15.7km az=78.0.
IDC I 06 11 18 31.7–13 0.79S 133.09E 0 3.7,3.6b
¶12080500
IDC Error ellipse: s-maj=204.3km s-min=120.8km az=159.0.
IDC I 06 12 05 56.8–2.4 0.72S 133.02E 0 3.7,3.6b
¶12080503
IDC Error ellipse: s-maj=96.0km s-min=25.0km az=78.0.
IDC I 06 12 53 22.3–3.1 0.56S 133.77E 0 3.8,3.7L
DJA I 06 12 53 27 0.74S 133.35E 10 3.8,3.7L ¶12080509
IDC Error ellipse: s-maj=127.6km s-min=27.3km az=79.0.
IDC I 06 13 34 08.3–1.7 0.29S 133.03E 0 4.1,3.9b
DJA I 06 13 34 15 0.25S 132.99E 59 4.7b,3.9b ¶12080513
IDC Error ellipse: s-maj=70.9km s-min=17.9km az=71.0.
IDC I 06 13 40 14.8–2.1 0.40S 132.11E 0 3.9,3.8b
DJA I 06 13 40 12 0.06S 131.90E 10 3.9,3.8b ¶12080514
IDC Error ellipse: s-maj=115.2km s-min=19.1km az=79.0.
IDC I 06 13 48 40.4–2.5 0.30S 133.23E 0 3.5,3.4L
¶12080515
IDC Error ellipse: s-maj=144.6km s-min=24.4km az=72.0.
ISC I 06 13 59 10.4–2.5 0.9S–.20 133.1E–.20 35 4.0b 8 2-75
IDC I 06 13 59 01.8–1.5 0.42S 133.01E 0 4.1L,4.1 ¶12080516
DJA I 06 13 59 10 0.55S 132.74E 69 4.7b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=67.7km s-min=13.6km az=75.0.
IDC I 06 16 01 03.7–1.7 0.30S 132.91E 0 3.9,3.8
DJA I 06 16 01 07 0.27S 132.80E 10 4.3,3.8 ¶12080523
IDC Error ellipse: s-maj=83.6km s-min=19.9km az=75.0.
IDC I 06 16 03 45.2–2.7 0.96S 132.61E 0 3.7,3.6b
¶12080524
IDC Error ellipse: s-maj=139.8km s-min=27.6km az=74.0.
ISC I 06 16 28 09.2–.38 0.39S–.04 132.88E–.06 35–2 4.8b,4.3s 220 3-152
IDC I 06 16 28 03.1–.63 0.39S 132.84E 0 4.8L,4.7 ¶11532514
MOS I 06 16 28 07.0–1.0 0.47S 132.60E 33 4.9b,4.7
BJI I 06 16 28 07.0 0.63S 132.68E 41 5.1b,4.7b
NEIC I 06 16 28 08.6–.31 0.42S 132.75E 35 4.8b,4.7b
ISCJB I 06 16 28 08.2–.77 0.44S–.04 132.95E–.05 49–7 4.8b,4.4s
DJA I 06 16 28 09 0.56S 132.77E 10 5.0b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=10.9km az=80.0.
MOS Error ellipse: s-maj=20.8km s-min=7.8km az=120.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.5km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.5km az=151.0.
IDC I 06 18 00 50.6–17 1.32S 133.50E 0 4.0,3.9
DJA I 06 18 01 18 1.35S 131.92E 10 4.5,3.9 ¶12080538
IDC Error ellipse: s-maj=546.6km s-min=67.1km az=8.0.
IDC I 06 18 01 13.9–17 0.82N 133.76E 0 4.0,3.9
¶12080539
IDC Error ellipse: s-maj=532.8km s-min=67.4km az=7.0.
ISC I 06 19 56 25.8–.37 0.54S–.03 132.89E–.04 18–1 5.2b,4.5s 324 2-161
BJI I 06 19 56 19.2 0.89S 133.13E 10 5.1b,4.8b ¶11532520
ISCJB I 06 19 56 23.0–1.1 0.46S–.03 133.10E–.04 15–7 5.1b,4.5s
IDC I 06 19 56 23.1–.42 0.50S 132.77E 0 4.7,4.7
NEIC I 06 19 56 25.6–.19 0.57S 132.78E 18 5.4b,5.3W
MOS I 06 19 56 26.2–.84 0.52S 132.75E 33 5.2b,5.3W
DJA I 06 19 56 28 0.61S 132.95E 19 5.2W,5.3W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=154.7.
IDC Error ellipse: s-maj=20.3km s-min=10.3km az=69.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.0km az=62.0. Moment Tensor Solution.
s16 Moment tensor: Scale 10^{17}Nm; M_{rr}0.37 $M_{\theta\theta}$-1.09 $M_{\phi\phi}$0.72 $M_{r\theta}$-0.08 $M_{\theta\phi}$0.48 $M_{\phi r}$-0.32
Best double couple: NP1:ϕ_s242.00000°,δ71.00000°,λ20.00000°. NP2:ϕ_s145.00000°
,δ71.00000°,λ160.00000°. Principal axes: T 1.0100,Plg27.0000°,Azm103.0000°
; N 0.2000,Plg62.0000°,Azm283.0000°; P -1.2100,Plg0.0000°,Azm13.0000°
$M_0$1.10000×10^{17}
MOS Error ellipse: s-maj=13.7km s-min=5.8km az=111.3.
ISC I 06 20 12 12.0–.40 0.75S–.04 133.30E–.05 31–2 5.1b,4.3s 280 2-153
BJI I 06 20 12 05.9 0.77S 133.54E 10 5.2b,4.9b ¶11532522
IDC I 06 20 12 07.8–.47 0.72S 133.22E 0 4.9L,4.8
NEIC I 06 20 12 11.2–2.5 0.75S 133.25E 25–18 5.1b,4.8
MOS I 06 20 12 11.0–.86 0.70S 133.21E 34 5.2b,4.8
ISCJB I 06 20 12 12.3–.79 0.77S–.04 133.31E–.04 50–7 5.0b,4.3s
DJA I 06 20 12 15 0.81S 133.27E 49 5.0W,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=11.6km az=77.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.6km az=57.0.
MOS Error ellipse: s-maj=14.0km s-min=6.5km az=112.4.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.2km az=141.9.
ISC I 06 20 21 44.7–.75 0.57S–.07 132.7E–.20 32 4.1b 32 19-90
DJA I 06 20 21 33 0.44N 133.57E 30 4.8b ¶12080547
IDC I 06 20 21 39.9–1.1 0.26S 133.11E 0 4.1s,4.1
NEIC I 06 20 21 41.3–.55 0.28S 133.01E 10 4.3b,4.1
ISCJB I 06 20 21 43.3–.59 0.46S–.05 132.7E–.20 32 4.0b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 06 20 53 40.9–4.4 0.61S 131.38E 0 3.7,3.6b
¶12080551
IDC Error ellipse: s-maj=325.5km s-min=22.8km az=73.0.
IDC I 06 21 24 37.9–2.9 0.74S 133.18E 0 3.4,3.3b
¶12080553
IDC Error ellipse: s-maj=144.1km s-min=28.5km az=75.0.
IDC I 06 21 33 11.3–7.8 0.66S 133.77E 0 3.4,3.2L
¶12080555
IDC Error ellipse: s-maj=448.2km s-min=26.5km az=76.0.
ISC I 06 21 43 12.4–.89 0.74S–.08 131.4E–.20 31 4.0b 24 18-74
IDC I 06 21 43 07.2–.96 0.52S 131.89E 0 4.3L,4.2 ¶12080556
ISCJB I 06 21 43 10.4–.66 0.66S–.06 131.5E–.20 31 3.9b,4.2
DJA I 06 21 43 11 0.54S 132.15E 10 4.4,4.2
NEIC I 06 21 43 12.6–.56 0.56S 131.79E 35 3.9b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=63.9km s-min=14.7km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=23.5km s-min=8.7km az=174.8.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=7.8km az=74.0.
IDC I 06 21 54 12.4–2.8 0.30S 132.78E 0 3.6,3.4L
¶12080558
IDC Error ellipse: s-maj=169.6km s-min=23.6km az=75.0.
IDC I 06 22 21 40.2–1.9 0.69S 133.14E 0 3.8,3.6
DJA I 06 22 22 01 2.30S 131.01E 25 3.4,3.6 ¶12080560
IDC Error ellipse: s-maj=81.2km s-min=23.4km az=75.0.
ISC I 06 22 47 32.3–.61 0.37S–.08 132.5E–.10 33 4.3b 38 14-90
IDC I 06 22 47 27.6–.74 0.32S 132.57E 0 4.4L,4.3 ¶15964313
ISCJB I 06 22 47 30.6–.47 0.36S–.06 132.5E–.10 33 4.3b,4.3
NEIC I 06 22 47 32.5–.36 0.39S 132.49E 35 4.6b,4.3
ISC Event type se.

IDC Error ellipse: s-maj=35.8km s-min=14.2km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=8.1km az=168.7.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.1km az=75.0.

ISC	**I**	**06 22 48 29.8–.28**	**0.69S–.03**	**133.44E–.03**	**34–0**	**5.9s,5.9b**	**838**	**5-168**	
IDC	I	06 22 48 24.4–.33	0.61S	133.43E	0	5.8,5.8s			¶13404641
BJI	I	06 22 48 25.1	0.83S	133.85E	31	6.0b,5.7s			
NEIC	I	06 22 48 27.2–.14	0.66S	133.43E	16	6.0W,5.9b			
ISCJB	I	06 22 48 28.1–.47	0.66S–.02	133.55E–.02	33–4	5.8s,5.8b			
MOS	I	06 22 48 28.5–1.2	0.56S	133.41E	33	6.1b,5.7s			
DJA	I	06 22 48 33	0.82S	133.46E	51	6.1W,5.7s			

ISC Event type fe.
IDC Error ellipse: s-maj=15.1km s-min=7.6km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=69.0. Felt [IV] at Manokwari and [III] at Sorong. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s120.00000°,δ80.00000°,λ-100.00000°. NP2: ϕ_s345.00000°,δ14.00000°,λ-45.00000°. Principal axes: T Plg34.0000°,Azm219.0000° ; N Plg0.0000°,Azm0.0000°; P Plg54.0000°,Azm18.0000° Moment Tensor Solution. s57 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.62 $M_{\theta\theta}$-3.84 $M_{\phi\phi}$4.46 $M_{r\theta}$-5.62 $M_{\theta\phi}$-2.26 $M_{\phi r}$2.92 Best double couple: NP1:ϕ_s28.00000°,δ37.00000°,λ-5.00000°. NP2:ϕ_s122.00000° ,δ87.00000°,λ-127.00000°. Principal axes: T 7.7500,Plg32.0000°,Azm241.0000° ; N 0.3200,Plg36.0000°,Azm123.0000°; P -8.0800,Plg36.0000°,Azm359.0000° $M_0$7.90000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=143.9.
MOS Error ellipse: s-maj=8.9km s-min=5.1km az=111.1.

IDC	**I**	**06 23 07 00.5–2.4**	**1.14S**	**133.40E**	**0**	**3.6,3.4**			**¶12080563**

IDC Error ellipse: s-maj=96.9km s-min=25.3km az=79.0.

IDC	**I**	**06 23 08 13.9–3.2**	**0.83S**	**133.44E**	**0**	**3.5,3.4**			**¶12080564**

IDC Error ellipse: s-maj=166.6km s-min=26.9km az=75.0.

IDC	**I**	**06 23 37 13.5–3.1**	**1.46S**	**134.21E**	**0**	**3.3,3.2**			**¶12080567**

IDC Error ellipse: s-maj=150.1km s-min=27.3km az=77.0.

IDC	**I**	**06 23 43 14.4–2.6**	**0.35S**	**132.99E**	**0**	**3.5L,3.4**			**¶12080568**

IDC Error ellipse: s-maj=134.3km s-min=26.1km az=74.0.

IDC	**I**	**06 23 45 03.6–2.6**	**0.68S**	**133.86E**	**0**	**3.6,3.5L**			**¶12080569**

IDC Error ellipse: s-maj=95.5km s-min=26.9km az=80.0.

IDC	**I**	**06 23 45 54.3–2.5**	**0.70S**	**133.11E**	**0**	**3.7,3.5**			**¶12080570**

IDC Error ellipse: s-maj=97.2km s-min=26.5km az=79.0.

IDC	**I**	**06 23 52 48.9–2.4**	**0.66S**	**132.89E**	**0**	**4.0,3.8**			**¶12080571**

IDC Error ellipse: s-maj=97.1km s-min=24.6km az=78.0.

IDC	**I**	**06 23 54 33.2–1.9**	**0.44S**	**132.84E**	**0**	**4.2,4.1b**			**¶12080572**

IDC Error ellipse: s-maj=79.6km s-min=24.5km az=74.0.

IDC	**I**	**07 00 12 56.1–1.4**	**0.73S**	**133.81E**	**0**	**4.1L,4.0**			**¶12080574**

IDC Error ellipse: s-maj=57.9km s-min=24.8km az=87.0.

IDC	**I**	**07 00 17 38.6–2.3**	**0.56S**	**133.91E**	**0**	**3.9L,3.9**			**¶12080575**

IDC Error ellipse: s-maj=101.5km s-min=21.5km az=80.0.

IDC	**I**	**07 00 28 34.0–2.5**	**1.18S**	**133.75E**	**0**	**3.9,3.9s**			**¶12080576**

IDC Error ellipse: s-maj=99.7km s-min=25.2km az=80.0.

ISC	**I**	**07 00 41 43.1–.93**	**0.50S–.10**	**132.3E–.30**	**31**	**3.9b**	**21**	**19-89**	
IDC	I	07 00 41 38.6–1.1	0.34S	132.29E	0	3.9b,3.9			¶12080578
NEIC	I	07 00 41 43.6–.69	0.44S	132.21E	35	3.8b,3.9			

ISC Event type se.
IDC Error ellipse: s-maj=63.8km s-min=17.4km az=77.0.
NEIC Event type se. Error ellipse: s-maj=38.3km s-min=10.4km az=80.0.

IDC	**I**	**07 00 42 16.4–1.7**	**0.35S**	**133.35E**	**0**	**4.2,4.1b**			**¶12080579**

IDC Error ellipse: s-maj=87.3km s-min=16.9km az=79.0.

IDC	**I**	**07 00 48 54.5–3.0**	**0.71S**	**133.60E**	**0**	**3.6,3.5L**			**¶12080580**

IDC Error ellipse: s-maj=127.3km s-min=24.9km az=80.0.

IDC	**I**	**07 00 56 14.0–2.6**	**0.09S**	**133.90E**	**0**	**3.7,3.6**			**¶12080581**

IDC Error ellipse: s-maj=99.3km s-min=26.7km az=79.0.

IDC	**I**	**07 00 59 35.5–2.7**	**0.58S**	**133.62E**	**0**	**3.5,3.4L**			**¶12080582**

IDC Error ellipse: s-maj=111.7km s-min=25.5km az=79.0.

IDC	**I**	**07 01 11 52.9–2.2**	**0.40S**	**132.90E**	**0**	**3.6L,3.5**			**¶12080583**

IDC Error ellipse: s-maj=103.5km s-min=21.7km az=79.0.

IDC	**I**	**07 02 00 57.4–2.0**	**0.19S**	**133.12E**	**0**	**4.3,4.2b**			
DJA	I	07 02 01 04	1.35S	129.96E	20	3.9,4.2b			¶12080586

IDC Error ellipse: s-maj=93.3km s-min=23.1km az=75.0.

IDC	**I**	**07 02 27 25.1–5.1**	**0.32S**	**131.68E**	**0**	**3.4,3.3b**			**¶12080587**

IDC Error ellipse: s-maj=345.2km s-min=26.3km az=73.0.

IDC	**I**	**07 02 33 47.9–5.1**	**1.15S**	**132.44E**	**0**	**3.5,3.4**			**¶12080588**

IDC Error ellipse: s-maj=319.4km s-min=26.5km az=74.0.

ISC	**I**	**07 02 54 38.7–.68**	**0.68S–.08**	**133.41E–.08**	**32**	**4.4b**	**42**	**3-151**	
ISCJB	I	07 02 54 37.1–.56	0.68S–.06	133.33E–.07	32	4.2b,3.5s			¶11534043
NEIC	I	07 02 54 39.5–.41	0.72S	133.27E	35	4.5b,3.5s			
IDC	I	07 02 54 39.2–3.7	0.72S	133.23E	33–27	4.3L,4.2			
DJA	I	07 02 54 40	0.72S	133.24E	55	4.7,4.2			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=8.3km az=170.2.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=6.7km az=76.0.
IDC Error ellipse: s-maj=35.2km s-min=11.8km az=78.0.

IDC	**I**	**07 03 22 05.1–2.6**	**0.56S**	**131.51E**	**0**	**3.9,3.7b**			**¶12080593**

IDC Error ellipse: s-maj=126.6km s-min=24.4km az=76.0.

IDC	**I**	**07 03 24 06.7–2.1**	**0.20S**	**133.53E**	**0**	**4.0,3.8b**			
DJA	I	07 03 24 21	0.01S	131.91E	136	4.0,3.8b			¶12080594

IDC Error ellipse: s-maj=82.6km s-min=26.4km az=76.0.

IDC	**I**	**07 03 56 36.9–2.4**	**0.78S**	**133.16E**	**0**	**3.6,3.4**			
DJA	I	07 03 56 35	2.00S	129.81E	10	3.5,3.4			¶12080596

IDC Error ellipse: s-maj=101.0km s-min=25.0km az=78.0.

IDC	**I**	**07 04 00 13.1–1.3**	**0.76S**	**133.41E**	**0**	**4.2,4.0L**			
DJA	I	07 04 00 19	0.67S	133.43E	56	4.5,4.0L			¶12080597

IDC Error ellipse: s-maj=57.2km s-min=18.3km az=71.0.

IDC	**I**	**07 04 12 52.2–2.3**	**0.45S**	**133.96E**	**0**	**3.6L,3.6**			
DJA	I	07 04 12 56	0.78S	133.47E	11	4.0,3.6			¶12080599

IDC Error ellipse: s-maj=99.9km s-min=22.5km az=80.0.

IDC	**I**	**07 05 03 26.3–2.5**	**0.57S**	**133.48E**	**0**	**3.5,3.4b**			**¶12080600**

IDC Error ellipse: s-maj=98.6km s-min=25.3km az=79.0.

IDC	**I**	**07 05 09 11.6–1.2**	**0.69S**	**133.69E**	**0**	**3.9,3.8L**			**¶12080601**

IDC Error ellipse: s-maj=57.5km s-min=19.9km az=86.0.

IDC	**I**	**07 05 16 17.6–1.0**	**0.28S**	**133.23E**	**0**	**4.0,3.9b**			**¶12080602**

IDC Error ellipse: s-maj=46.8km s-min=13.2km az=78.0.

IDC	**I**	**07 05 29 58.4–2.6**	**0.62S**	**133.38E**	**0**	**3.7,3.5**			**¶12080603**

IDC Error ellipse: s-maj=98.2km s-min=27.7km az=79.0.

ISC	**I**	**07 05 36 25.5–.69**	**0.57S–.07**	**132.06E–.09**	**31**	**4.2b**	**25**	**2-154**	
IDC	I	07 05 36 21.3–.67	0.30S	132.43E	0	4.3,4.2			¶12080604
DJA	I	07 05 36 29	0.49S	132.43E	56	4.8b,4.2			

ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=13.8km az=72.0.

IDC	**I**	**07 05 49 21.9–1.3**	**0.72S**	**133.52E**	**0**	**4.0,3.7L**			**¶12080605**

IDC Error ellipse: s-maj=60.1km s-min=22.3km az=88.0.

IDC	**I**	**07 05 57 33.2–2.7**	**0.48S**	**133.96E**	**0**	**3.4,3.3**			**¶12080606**

IDC Error ellipse: s-maj=106.2km s-min=25.6km az=80.0.

IDC	**I**	**07 06 32 28.3–3.0**	**0.63S**	**133.04E**	**0**	**3.3,3.2**			**¶12080608**

IDC Error ellipse: s-maj=159.6km s-min=26.5km az=74.0.

IDC	**I**	**07 06 54 54.5–3.2**	**0.14S**	**133.02E**	**0**	**3.6,3.5b**			**¶12080612**

IDC Error ellipse: s-maj=173.4km s-min=27.8km az=74.0.

IDC	**I**	**07 07 01 33.2–2.4**	**0.71S**	**133.18E**	**0**	**3.8,3.6b**			**¶12080613**

IDC Error ellipse: s-maj=97.7km s-min=25.1km az=78.0.

IDC	**I**	**07 07 35 06.1–3.2**	**0.96S**	**133.62E**	**0**	**3.5,3.3b**			**¶12080615**

IDC Error ellipse: s-maj=159.5km s-min=28.4km az=76.0.

IDC	**I**	**07 08 30 25.5–1.9**	**0.33S**	**132.23E**	**0**	**3.9,3.8b**			
DJA	I	07 08 30 27	1.56S	129.97E	14	3.5,3.8b			¶12080617

IDC Error ellipse: s-maj=99.8km s-min=20.1km az=75.0.

IDC	**I**	**07 08 36 11.5–2.2**	**0.66S**	**133.67E**	**0**	**3.6,3.5L**			**¶12080618**

IDC Error ellipse: s-maj=95.3km s-min=21.5km az=80.0.

IDC	**I**	**07 08 42 15.8–2.3**	**0.84S**	**133.93E**	**0**	**4.0,4.0s**			**¶12080619**

IDC Error ellipse: s-maj=99.7km s-min=22.0km az=81.0.

IDC	**I**	**07 09 15 19.7–5.1**	**0.57S**	**132.22E**	**0**	**3.6,3.4**			**¶12080623**

IDC Error ellipse: s-maj=328.2km s-min=25.9km az=73.0.

IDC	**I**	**07 09 58 40.2–1.9**	**0.71S**	**133.27E**	**0**	**3.8,3.7L**			**¶12080626**

IDC Error ellipse: s-maj=83.7km s-min=23.3km az=75.0.

IDC	**I**	**07 10 05 13.4–2.8**	**0.45S**	**132.65E**	**0**	**3.9,3.8L**			**¶12080627**

IDC Error ellipse: s-maj=127.5km s-min=24.6km az=78.0.

IDC	**I**	**07 10 07 23.9–1.4**	**0.23S**	**132.73E**	**0**	**3.9,3.8L**			**¶12080628**

IDC Error ellipse: s-maj=65.7km s-min=23.8km az=86.0.

IDC	**I**	**07 12 43 22.2–1.6**	**0.63S**	**133.08E**	**0**	**3.9,3.7L**			
DJA	I	07 12 43 26	0.59S	133.18E	26	3.9,3.7L			¶12080639

IDC Error ellipse: s-maj=81.4km s-min=22.6km az=68.0.

IDC	**I**	**07 13 35 36.2–1.0**	**0.72S**	**133.77E**	**0**	**4.0,3.8**			
DJA	I	07 13 35 41	0.79S	133.66E	30	4.5,3.8			¶12080643

IDC Error ellipse: s-maj=45.6km s-min=18.7km az=77.0.

IDC	**I**	**07 14 00 31.2–2.4**	**0.89S**	**133.37E**	**0**	**3.7,3.5**			**¶12080644**

IDC Error ellipse: s-maj=96.0km s-min=24.5km az=79.0.

IDC	**I**	**07 14 38 49.2–2.4**	**0.69S**	**133.25E**	**0**	**3.7,3.5L**			
DJA	I	07 14 39 04	1.73S	131.16E	10	3.7,3.5L			¶12080648

IDC Error ellipse: s-maj=94.5km s-min=24.5km az=78.0.

ISC	**I**	**07 15 02 47.9–.33**	**0.45S–.04**	**132.92E–.05**	**39–3**	**5.0b,4.4s**	**263**	**3-153**	
IDC	I	07 15 02 42.3–.51	0.39S	132.87E	0	4.8L,4.6			¶11534064
MOS	I	07 15 02 45.4–.87	0.38S	132.87E	33	5.1b,4.6			
DJA	I	07 15 02 45	0.35S	133.03E	9	5.0W,4.6			
ISCJB	I	07 15 02 46.1–.69	0.36S–.04	133.00E–.04	37–6	4.8b,4.4s			
NEIC	I	07 15 02 47.5–.20	0.41S	132.85E	35	5.0b,4.4s			
TEH	I	07 15 02 48.0	0.37S	132.97E	35	5.0L,4.4s			

ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=11.9km az=73.0.
MOS Error ellipse: s-maj=15.3km s-min=6.5km az=113.5.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.5km az=150.2.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.3km az=70.0.

IDC	**I**	**07 15 24 48.4–2.9**	**0.36S**	**133.30E**	**0**	**3.4,3.2L**			**¶12080651**

IDC Error ellipse: s-maj=141.5km s-min=29.2km az=75.0.

ISC	**I**	**07 17 08 53.2–.41**	**0.25S–.05**	**132.81E–.07**	**32**	**4.9b,4.1s**	**103**	**3-154**	
BJI	I	07 17 08 45.8	0.90S	133.09E	15	5.0b,4.9s			¶11534068
IDC	I	07 17 08 48.2–.54	0.32S	132.56E	0	4.6,4.5			
ISCJB	I	07 17 08 50.7–.33	0.20S–.04	132.88E–.06	32	4.8b,4.1s			
NEIC	I	07 17 08 53.2–.34	0.32S	132.55E	35	5.0b,4.1s			
DJA	I	07 17 08 56	0.52S	132.82E	30	4.8b,4.1s			

ISC Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=10.3km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.2km az=169.1.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.7km az=72.0.

ISC	**I**	**07 17 19 15.2–1.5**	**0.3S–.20**	**132.9E–.40**	**32**	**3.8b**	**14**	**19-67**	
IDC	I	07 17 19 10.6–1.8	0.28S	132.95E	0	4.0,3.8L			¶12080660
ISCJB	I	07 17 19 13.1–1.3	0.3S–.10	132.9E–.40	32	3.8b,3.8L			
NEIC	I	07 17 19 15.5–1.2	0.29S	133.00E	35	3.8b,3.8L			
DJA	I	07 17 19 16	0.21S	132.60E	62	3.9,3.8L			

ISC Event type ke.
IDC Error ellipse: s-maj=95.6km s-min=19.7km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=54.8km s-min=14.6km az=168.0.
NEIC Event type se. Error ellipse: s-maj=54.7km s-min=13.2km az=77.0.

IDC	**I**	**07 17 39 23.4–4.0**	**1.33S**	**130.43E**	**0**	**3.9b,3.8**			
DJA	I	07 17 39 24	1.35S	130.82E	19	3.8,3.8			¶12080662

IDC Error ellipse: s-maj=294.8km s-min=25.6km az=71.0.

IDC	**I**	**07 19 17 45.5–1.4**	**0.29S**	**132.47E**	**0**	**4.1L,4.0**			
DJA	I	07 19 17 49	0.41S	132.46E	10	4.4,4.0			¶12080665

IDC Error ellipse: s-maj=67.5km s-min=22.9km az=86.0.

IDC	**I**	**07 19 28 14.4–6.8**	**0.67S**	**132.57E**	**0**	**3.5L,3.5**			
DJA	I	07 19 28 11	1.11S	131.47E	249	3.7,3.5			¶12080666

IDC Error ellipse: s-maj=430.4km s-min=25.7km az=74.0.

IDC	**I**	**07 19 39 11.9–4.2**	**1.54S**	**131.22E**	**0**	**3.2,3.1**			
DJA	I	07 19 39 36	0.88S	131.32E	86	3.6,3.1			¶12080667

IDC Error ellipse: s-maj=290.2km s-min=26.6km az=72.0.

IDC	**I**	**07 19 48 26.1–4.0**	**0.72S**	**131.10E**	**0**	**3.4,3.2L**			
DJA	I	07 19 48 25	0.94S	131.22E	175	3.5,3.2L			¶12080668

IDC Error ellipse: s-maj=275.7km s-min=26.2km az=72.0.

IDC	**I**	**07 20 44 37.7–2.7**	**0.10S**	**132.80E**	**0**	**3.4,3.2b**			
DJA	I	07 20 44 40	1.07S	131.20E	96	3.5,3.2b			¶12080674

IDC Error ellipse: s-maj=145.0km s-min=26.3km az=74.0.

IDC	**I**	**07 20 49 16.1–3.6**	**0.89S**	**130.34E**	**0**	**3.2,3.1**			**¶12080675**

IDC Error ellipse: s-maj=262.7km s-min=25.7km az=71.0.

ISC	**I**	**07 21 15 28.3–.34**	**0.65S–.04**	**131.97E–.06**	**31**	**4.6b,3.8s**	**125**	**2-154**	
IDC	I	07 21 15 23.8–.68	0.38S	132.09E	0	4.4L,4.2			¶11534070
ISCJB	I	07 21 15 26.5–.26	0.50S–.04	131.89E–.06	31	4.5b,3.9s			
NEIC	I	07 21 15 30.9–1.2	0.48S	131.96E	54–11	4.6b,3.9s			
DJA	I	07 21 15 37	1.28S	132.00E	44	4.7b,3.9s			

ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=15.0km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.7km az=161.8.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.3km az=49.0.

IDC	**I**	**07 21 55 05.4–6.6**	**0.83S**	**132.30E**	**0**	**3.6,3.4L**			**¶12080685**

IDC Error ellipse: s-maj=429.0km s-min=25.7km az=74.0.

IDC	**I**	**07 22 38 46.5–7.0**	**0.72S**	**133.07E**	**0**	**3.2,3.1L**			**¶12080689**

IDC Error ellipse: s-maj=425.4km s-min=28.3km az=75.0.

ISC	**I**	**07 23 38 50.3–.40**	**0.66S–.04**	**133.04E–.05**	**40–3**	**5.0b,4.2s**	**250**	**2-153**	
IDC	I	07 23 38 44.4–.52	0.73S	132.88E	0	4.8,4.7			¶11534074
BJI	I	07 23 38 46.2	1.18S	132.80E	37	5.1b,4.8b			
MOS	I	07 23 38 47.8–.93	0.63S	132.89E	33	5.2b,4.8b			
ISCJB	I	07 23 38 49.0–.73	0.63S–.04	133.09E–.03	44–6	5.1b,4.2s			
TEH	I	07 23 38 50.0	0.66S	132.98E	35	5.0L,4.2s			
NEIC	I	07 23 38 50.5–.94	0.64S	132.94E	41–9	5.1b,4.2s			
DJA	I	07 23 38 52	0.76S	133.08E	42	5.3W,4.2s			

ISC Event type fe.
IDC Error ellipse: s-maj=26.8km s-min=10.4km az=76.0.
MOS Error ellipse: s-maj=15.5km s-min=6.7km az=110.4.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.0km az=39.6.

NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.6km az=58.0. Felt [III] at Manokwari.
IDC I 08 01 18 28.9–1.3 0.78S 133.71E 0 4.0,4.0L
¶12080697

IDC Error ellipse: s-maj=57.5km s-min=21.8km az=88.0.
IDC I 08 01 25 36.3–1.1 0.71S 133.50E 0 4.3s,4.3
¶12080698

IDC Error ellipse: s-maj=57.5km s-min=20.2km az=84.0.
IDC I 08 01 44 46.3–1.3 0.96S 132.84E 0 4.0,4.0L
DJA I 08 01 44 44 0.26S 132.95E 23 4.1,4.0L **¶12080699**
IDC Error ellipse: s-maj=63.6km s-min=18.6km az=70.0.
IDC I 08 02 20 33.8–2.8 0.84S 132.47E 0 3.5,3.4
¶12080700

IDC Error ellipse: s-maj=130.2km s-min=25.2km az=78.0.
IDC I 08 03 44 37.9–2.5 0.56S 133.85E 0 3.5s,3.5
¶12080707

IDC Error ellipse: s-maj=99.0km s-min=25.0km az=80.0.
IDC I 08 06 26 43.9–2.1 0.38S 133.02E 0 3.8,3.7b
¶12080714

IDC Error ellipse: s-maj=96.9km s-min=23.3km az=75.0.
IDC I 08 07 57 50.3–4.8 0.46S 131.01E 0 3.6,3.4b
¶12080717

IDC Error ellipse: s-maj=342.6km s-min=25.8km az=72.0.
IDC I 08 08 22 50.4–2.6 0.50S 133.32E 0 3.5L,3.5
¶12080719

IDC Error ellipse: s-maj=106.3km s-min=24.9km az=79.0.
IDC I 08 08 24 28.2–2.0 0.62S 133.44E 0 4.0,3.9
¶12080720

IDC Error ellipse: s-maj=79.9km s-min=19.7km az=78.0.
IDC I 08 08 58 47.9–2.8 0.76S 132.63E 0 3.5,3.4L
¶12080723

IDC Error ellipse: s-maj=152.6km s-min=25.8km az=74.0.
IDC I 08 09 46 52.6–1.1 0.59S 133.46E 0 4.3,4.1L
¶12080726

IDC Error ellipse: s-maj=52.9km s-min=19.8km az=84.0.
IDC I 08 10 15 12.2–2.5 0.02S 133.07E 0 3.8,3.7b
¶12080727

IDC Error ellipse: s-maj=99.3km s-min=26.6km az=78.0.
IDC I 08 10 59 37.6–2.8 0.33S 132.73E 0 3.6,3.4b
¶12080728

IDC Error ellipse: s-maj=142.8km s-min=27.1km az=74.0.
IDC I 08 11 02 10.8–2.6 0.49S 132.96E 0 3.6,3.4b
¶12080729

IDC Error ellipse: s-maj=136.0km s-min=25.9km az=74.0.
IDC I 08 11 33 13.4–7.1 0.86S 133.27E 0 3.8L,3.7
¶12080732

IDC Error ellipse: s-maj=426.1km s-min=27.1km az=75.0.
IDC I 08 12 10 31.3–5.0 0.90S 132.13E 0 3.5,3.3b
¶12080736

IDC Error ellipse: s-maj=322.7km s-min=25.7km az=73.0.
IDC I 08 12 28 53.3–1.2 0.24S 132.58E 0 3.8,3.6L
¶12080739

IDC Error ellipse: s-maj=67.5km s-min=22.2km az=78.0.
IDC I 08 12 52 32.8–1.2 0.44S 133.60E 0 4.0,3.8b
DJA I 08 12 52 50 1.01S 132.71E 31 4.3,3.8b **¶12080740**
IDC Error ellipse: s-maj=56.7km s-min=18.9km az=83.0.
IDC I 08 13 34 32.8–2.6 0.65S 133.18E 0 3.7,3.5
¶12080743

IDC Error ellipse: s-maj=98.5km s-min=27.3km az=78.0.
IDC I 08 14 01 21.6–2.4 0.95S 133.28E 0 3.6,3.5L
¶12080745

IDC Error ellipse: s-maj=96.7km s-min=24.7km az=79.0.
IDC I 08 14 38 09.8–5.3 0.09S 132.41E 0 3.6,3.6s
¶12080747

IDC Error ellipse: s-maj=336.4km s-min=25.8km az=73.0.
IDC I 08 14 41 55.6–2.4 0.75S 133.03E 0 3.5,3.4
¶12080749

IDC Error ellipse: s-maj=100.2km s-min=24.8km az=78.0.
IDC I 08 14 43 50.2–5.3 0.77S 132.08E 0 3.3,3.2
¶12080750

IDC Error ellipse: s-maj=346.5km s-min=26.1km az=73.0.
IDC I 08 15 58 55.8–2.0 0.27S 132.59E 0 3.8,3.6b
¶12080755

IDC Error ellipse: s-maj=92.9km s-min=21.9km az=78.0.
IDC I 08 16 07 25.9–2.8 0.86S 133.24E 0 3.1b
¶12080756

IDC Error ellipse: s-maj=146.2km s-min=26.2km az=75.0.
ISC I 08 16 18 51.0–.29 0.43S–.03 133.00E–.04 23–1 5.3b,4.8s 477 3-167
BJI I 08 16 18 44.7 0.71S 133.21E 14 5.3b,5.1b **¶11534387**
ISCJB I 08 16 18 47.0–.87 0.35S–.02 133.07E–.03 8–5 5.3b,4.8s
IDC I 08 16 18 47.4–.43 0.44S 132.89E 0 4.7b,4.7
NEIC I 08 16 18 50.1–.16 0.41S 132.93E 18 5.4b,5.4W
MOS I 08 16 18 51.0–.90 0.32S 132.86E 33 5.4b,4.7s
DJA I 08 16 18 52 0.68S 132.99E 10 5.5W,4.7s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.9km az=157.0.
IDC Error ellipse: s-maj=21.8km s-min=9.2km az=84.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=65.0. Felt [III] at Manokwari.
Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$1.48 $M_{r\theta}$-0.44 $M_{\theta\phi}$0.66 $M_{\phi r}$0.04 Best double couple: NP1:ϕ_s56.00000°,δ81.00000°,λ-12.00000°. NP2:ϕ_s148.00000°,δ79.00000°,λ-171.00000°. Principal axes: T 1.6200,Plg1.0000° ,Azm102.0000°; N 0.1000,Plg75.0000°,Azm199.0000°; P -1.7200,Plg14.0000°,Azm11.0000° M_o1.70000×10^{17}
MOS Error ellipse: s-maj=11.2km s-min=5.7km az=111.5.
IDC I 08 16 36 29.7–2.9 0.74S 133.00E 0 3.6,3.5L
¶12080757

IDC Error ellipse: s-maj=127.6km s-min=26.2km az=78.0.
IDC I 08 17 12 02.9–2.9 1.15S 133.66E 0 3.7,3.5s
DJA I 08 17 12 04 0.69S 133.61E 40 3.9,3.5s **¶12080758**
IDC Error ellipse: s-maj=142.7km s-min=27.6km az=76.0.
ISC I 08 17 35 04.5–.68 0.29S–.08 133.1E–.10 32 4.2b,3.6s 54 5-86
IDC I 08 17 34 59.5–.85 0.29S 133.11E 0 4.2,4.1 **¶12080763**
ISCJB I 08 17 35 02.3–.50 0.35S–.05 133.00E–.10 32 4.3b,3.6s
DJA I 08 17 35 02 0.23S 132.94E 24 4.7,3.6s
NEIC I 08 17 35 04.7–.34 0.38S 132.95E 35 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=12.5km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=7.2km az=166.8.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=5.0km az=68.0.
ISC I 08 17 51 51.8–.73 0.82S–.08 133.1E–.10 29 4.3b 19 2-96
IDC I 08 17 51 47.4–.77 0.75S 133.21E 0 4.5L,4.4 **¶11534391**
DJA I 08 17 51 54 0.79S 133.30E 38 5.0b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=43.0km s-min=11.8km az=79.0.
IDC I 08 18 23 39.1–1.1 0.43S 133.52E 0 3.9,3.9L
¶12080767

IDC Error ellipse: s-maj=58.2km s-min=18.1km az=83.0.
IDC I 08 18 40 22.6–2.6 0.91S 132.87E 0 3.4,3.2L
¶12080768

IDC Error ellipse: s-maj=133.4km s-min=26.4km az=74.0.
IDC I 08 18 40 40.2–2.8 0.61S 132.74E 0 3.2,3.1L
¶12080769

IDC Error ellipse: s-maj=147.2km s-min=26.6km az=74.0.
IDC I 08 19 30 52.9–2.7 0.78S 133.09E 0 3.6b,3.6
¶12080775

IDC Error ellipse: s-maj=137.1km s-min=26.1km az=75.0.
IDC I 08 19 38 31.9–1.9 0.26S 132.64E 0 3.8,3.6
DJA I 08 19 37 58 2.27N 133.54E 117 4.8,3.6 **¶12080776**
IDC Error ellipse: s-maj=91.4km s-min=21.5km az=80.0.
IDC I 08 19 41 44.4–.85 0.65S 133.17E 0 4.2,4.1L
DJA I 08 19 41 49 0.56S 133.12E 23 4.5,4.1L **¶12080777**
IDC Error ellipse: s-maj=47.4km s-min=15.4km az=75.0.

IDC I 08 19 54 06.1–1.5 0.83S 133.00E 0 3.8L,3.8
DJA I 08 19 54 24 1.57S 132.07E 59 4.2,3.8 **¶12080778**
IDC Error ellipse: s-maj=91.3km s-min=16.0km az=77.0.
IDC I 08 20 23 53.3–2.8 0.54S 131.59E 0 3.6,3.4L
DJA I 08 20 23 55 0.23S 131.66E 12 4.1,3.4L **¶12080781**
IDC Error ellipse: s-maj=129.8km s-min=28.3km az=76.0.
IDC I 08 21 28 39.9–2.3 2.94S 133.46E 0 3.6,3.4b
¶12080783

IDC Error ellipse: s-maj=121.9km s-min=26.2km az=76.0.
IDC I 08 23 46 08.4–.96 0.38S 131.46E 0 3.9L,3.9
¶12080789

IDC Error ellipse: s-maj=61.6km s-min=16.5km az=77.0.
ISC I 09 01 58 28.7–.64 0.88S–.07 133.93E–.09 27 4.5b,3.9s 37 2-99
IDC I 09 01 58 24.8–1.2 0.71S 133.82E 0 4.3,4.1b **¶12080794**
ISCJB I 09 01 58 26.8–.54 0.74S–.05 133.92E–.08 27 4.3b,3.8s
DJA I 09 01 58 29 0.77S 133.62E 16 4.6,3.8s
NEIC I 09 01 58 30.3–.52 0.73S 133.79E 35 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=59.5km s-min=19.1km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=7.2km az=179.0.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=5.9km az=79.0.
ISC I 09 03 08 09.3–1.0 0.63S–.09 132.0E–.20 33 4.1b,3.6s 11 13-87
IDC I 09 03 08 03.5–.84 0.31S 132.48E 0 4.3L,4.2 **¶11534428**
ISCJB I 09 03 08 06.9–.69 0.48S–.06 132.1E–.20 33 4.0b,3.6s
DJA I 09 03 08 11 0.53S 132.42E 20 4.6,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=48.9km s-min=15.0km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=23.1km s-min=8.2km az=176.8.
IDC I 09 03 26 48.5–.71 0.85S 131.05E 0 4.2,4.1b
DJA I 09 03 26 51 0.79S 131.96E 5 4.9,4.1b **¶11534430**
IDC Error ellipse: s-maj=29.6km s-min=9.0km az=84.0.
IDC I 09 03 33 20.6–2.7 0.87S 131.56E 0 3.8,3.6
DJA I 09 03 33 23 0.85S 131.95E 10 4.1,3.6 **¶12080798**
IDC Error ellipse: s-maj=127.2km s-min=26.9km az=76.0.
IDC I 09 03 54 56.5–2.8 0.70S 132.98E 0 3.9,3.7L
DJA I 09 03 54 59 1.17S 130.45E 17 3.7,3.7L **¶12080800**
IDC Error ellipse: s-maj=123.9km s-min=24.5km az=78.0.
IDC I 09 04 14 53.9–3.0 1.17S 133.40E 0 3.6L,3.6
¶12080803

IDC Error ellipse: s-maj=132.4km s-min=25.9km az=80.0.
IDC I 09 04 30 22.2–2.5 0.20S 132.87E 0 3.5,3.4L
DJA I 09 04 30 15 1.00S 129.49E 20 3.7,3.4L **¶12080804**
IDC Error ellipse: s-maj=100.3km s-min=27.4km az=78.0.
IDC I 09 04 48 41.0–2.6 0.16S 132.71E 0 3.6,3.4b
¶12080805

IDC Error ellipse: s-maj=133.8km s-min=27.6km az=74.0.
IDC I 09 05 02 14.0–4.4 0.25N 135.06E 0 3.3,3.2
¶12080807

IDC Error ellipse: s-maj=219.8km s-min=29.3km az=77.0.
IDC I 09 06 05 08.5–2.4 1.77S 133.09E 0 3.9,3.8b
¶12080812

IDC Error ellipse: s-maj=95.0km s-min=25.6km az=79.0.
ISC I 09 06 23 14.6–.69 1.06S–.07 132.9E–.10 35 4.4b,3.4s 37 14-97
IDC I 09 06 23 08.4–.80 0.91S 133.12E 0 4.4,4.3b **¶12080814**
NEIC I 09 06 23 13.8–.43 0.81S 133.39E 35 4.6b,4.3b
DJA I 09 06 23 16 0.78S 133.14E 26 5.1b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=44.9km s-min=12.0km az=80.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=7.0km az=73.0.
IDC I 09 06 51 04.7–2.6 0.62S 131.32E 0 4.1,3.8b
DJA I 09 06 51 11 0.44S 132.69E 24 5.0b,3.8b **¶12080816**
IDC Error ellipse: s-maj=121.7km s-min=25.7km az=76.0.
IDC I 09 10 29 39.0–2.3 0.14S 133.03E 0 4.1,4.0b
¶12080829

IDC Error ellipse: s-maj=139.2km s-min=22.3km az=76.0.
IDC I 09 11 09 35.5–2.2 0.15S 133.06E 0 3.7b,3.7
¶12080832

IDC Error ellipse: s-maj=117.3km s-min=25.9km az=71.0.
IDC I 09 12 28 34.0–1.1 0.06N 133.87E 0 3.9,3.8b
¶12080836

IDC Error ellipse: s-maj=66.9km s-min=19.3km az=78.0.
IDC I 09 12 36 51.3–13 0.74S 133.27E 0 3.8,3.7b
¶12080838

IDC Error ellipse: s-maj=205.4km s-min=119.1km az=158.0.
IDC I 09 12 42 50.0–1.3 0.93S 134.07E 0 4.1s,4.1
¶12080840

IDC Error ellipse: s-maj=62.0km s-min=20.9km az=86.0.
IDC I 09 12 52 43.1–2.5 0.71S 133.67E 0 3.6,3.5L
¶12080841

IDC Error ellipse: s-maj=95.0km s-min=26.1km az=79.0.
IDC I 09 13 03 59.0–3.0 1.62S 133.78E 0 3.4,3.2
¶12080843

IDC Error ellipse: s-maj=152.6km s-min=27.7km az=76.0.
IDC I 09 13 27 55.3–2.8 2.08S 133.33E 0 3.4,3.3
¶12080846

IDC Error ellipse: s-maj=137.0km s-min=27.5km az=75.0.
IDC I 09 14 05 52.4–2.2 0.19S 132.66E 0 4.1b,4.1
¶12080849

IDC Error ellipse: s-maj=94.2km s-min=23.7km az=77.0.
IDC I 09 14 27 45.1–1.5 0.30S 133.21E 0 4.1,4.0L
¶12080850

IDC Error ellipse: s-maj=64.4km s-min=17.1km az=72.0.
ISC I 09 14 35 22.5–.35 0.65S–.04 133.83E–.05 34–0 5.1b,4.2s 369 2-153
TEH I 09 14 35 00.0 0.68S 133.79E 35 5.2L,4.2s **¶11534456**
IDC I 09 14 35 16.9–.48 0.72S 133.81E 0 4.8,4.8b
BJI I 09 14 35 19.0 0.76S 133.95E 31 5.2b,5.0b
MOS I 09 14 35 20.2–.93 0.73S 133.73E 33 5.3b,5.0b
ISCJB I 09 14 35 21.6–.69 0.72S–.04 133.80E–.04 44–6 5.0b,4.2s
DJA I 09 14 35 21 0.64S 133.78E 17 5.3b,4.2s
NEIC I 09 14 35 22.2–.18 0.71S 133.78E 35 5.2b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=23.6km s-min=9.8km az=82.0.
MOS Error ellipse: s-maj=12.9km s-min=6.1km az=110.1.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.4km az=40.6.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.1km az=76.0. Felt [IV] at Manokwari.
IDC I 09 14 49 58.4–1.0 0.56S 133.14E 0 4.0,3.9L
¶12080851

IDC Error ellipse: s-maj=45.3km s-min=14.9km az=80.0.
ISC I 09 15 34 24.4–.73 0.94S–.07 133.0E–.20 35 4.5b 38 19-151
IDC I 09 15 34 18.8–.78 0.67S 133.36E 0 4.4,4.3 **¶12080852**
NEIC I 09 15 34 24.0–.45 0.73S 133.27E 35 4.4b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=15.4km az=75.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=7.7km az=80.0.
IDC I 09 16 29 45.8–7.1 0.11S 132.72E 0 3.4,3.2b
¶12080857

IDC Error ellipse: s-maj=442.9km s-min=28.7km az=74.0.
IDC I 09 16 45 13.9–1.8 0.31S 132.88E 0 4.5L,4.4
DJA I 09 16 45 22 0.46S 132.48E 29 4.6,4.4 **¶12080858**
IDC Error ellipse: s-maj=77.3km s-min=22.2km az=74.0.
IDC I 09 17 12 53.4–2.4 0.33S 132.72E 0 3.7,3.5
¶12080860

IDC Error ellipse: s-maj=97.7km s-min=26.2km az=78.0.
IDC I 09 17 50 12.5–1.9 0.54S 133.35E 0 3.9b,3.9
¶12080865

IDC Error ellipse: s-maj=118.9km s-min=19.4km az=73.0.
IDC I 09 18 08 15.6–2.6 0.76S 132.79E 0 3.5,3.4L
¶12080869

IDC Error ellipse: s-maj=134.4km s-min=25.9km az=74.0.
IDC I 09 18 39 38.0–2.3 0.69S 132.74E 0 3.6,3.4
¶12080874

IDC Error ellipse: s-maj=97.7km s-min=24.5km az=78.0.
IDC I 09 19 11 16.9–2.2 0.17S 133.08E 0 3.7b,3.7
¶12080877

IDC Error ellipse: s-maj=118.9km s-min=24.0km az=72.0.
IDC I 09 19 21 39.9–2.4 0.41S 133.11E 0 3.5,3.4L
¶12080878

IDC Error ellipse: s-maj=95.8km s-min=24.7km az=78.0.
IDC I 09 20 51 23.7–2.8 4.96S 134.28E 0 3.5,3.4b
¶12080882

IDC Error ellipse: s-maj=103.8km s-min=30.8km az=83.0.
IDC I 09 21 27 02.0–2.3 0.97S 133.32E 0 4.0L,4.0
¶12080889

IDC Error ellipse: s-maj=93.4km s-min=24.6km az=79.0.
IDC I 09 22 12 47.1–3.6 0.46S 133.73E 0 3.4,3.2
¶12080896

IDC Error ellipse: s-maj=194.6km s-min=26.4km az=76.0.
IDC I 09 22 30 07.4–2.2 0.57S 133.50E 0 4.0,3.8b
¶12080897

IDC Error ellipse: s-maj=116.1km s-min=23.8km az=72.0.
IDC I 09 22 59 46.3–3.0 0.70S 133.79E 0 3.7L,3.7
¶12080900

IDC Error ellipse: s-maj=146.2km s-min=27.4km az=76.0.
IDC I 09 23 35 20.3–3.2 0.13S 133.00E 0 3.5,3.4b
¶12080901

IDC Error ellipse: s-maj=177.2km s-min=26.2km az=74.0.
IDC I 10 01 20 52.6–1.9 0.25S 132.78E 0 4.0,3.8b
¶12080907

IDC Error ellipse: s-maj=97.3km s-min=20.0km az=76.0.
IDC I 10 01 51 40.8–1.1 0.50S 133.88E 0 3.9L,3.8
¶12080910

IDC Error ellipse: s-maj=65.0km s-min=21.4km az=80.0.

ISC	**I**	**10 02 16 14.9–.36**	**0.53S–.06**	**132.17E–.10**	**31**	**4.8b,3.7s**	**112**	**13-154**
IDC	I	10 02 16 10.0–.61	0.34S	132.12E	0	4.8,4.7b		¶11534701
ISCJB	I	10 02 16 12.8–.28	0.42S–.04	132.28E–.07	31	4.8b,3.8s		
BJI	I	10 02 16 13.9	0.30S	132.40E	35	5.2b,4.6b		
DJA	I	10 02 16 14	0.37S	132.34E	19	4.9,4.6b		
NEIC	I	10 02 16 15.4–1.2	0.33S	132.36E	38–11	4.6b,4.6b		

ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=12.0km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.0km az=159.9.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.9km az=55.0.
IDC I 10 04 52 26.6–1.4 0.44S 132.81E 0 4.2,4.1L
¶12080913

IDC Error ellipse: s-maj=75.5km s-min=14.7km az=79.0.
IDC I 10 06 19 22.8–16 0.03N 132.87E 0 4.3b,4.3
¶12080916

IDC Error ellipse: s-maj=245.9km s-min=95.4km az=165.0.
IDC I 10 07 22 11.1–3.0 0.26S 133.13E 0 3.7L,3.7
¶12080921

IDC Error ellipse: s-maj=198.8km s-min=22.4km az=73.0.
IDC I 10 07 37 08.4–3.0 1.09S 132.66E 0 3.8,3.6
¶12080922

IDC Error ellipse: s-maj=131.2km s-min=28.5km az=78.0.
IDC I 10 08 20 54.7–3.6 0.31S 132.53E 0 3.5,3.4L
¶12080924

IDC Error ellipse: s-maj=208.4km s-min=27.9km az=74.0.
IDC I 10 08 27 21.3–2.5 0.10S 133.23E 0 3.7b,3.7
¶12080926

IDC Error ellipse: s-maj=167.3km s-min=20.6km az=73.0.
IDC I 10 10 15 14.9–3.0 0.66S 132.91E 0 3.5,3.4s
¶12080932

IDC Error ellipse: s-maj=163.4km s-min=26.5km az=74.0.
IDC I 10 10 45 53.7–2.6 0.44S 132.29E 0 3.8,3.6L
¶12080933

IDC Error ellipse: s-maj=173.5km s-min=23.5km az=71.0.
IDC I 10 10 54 58.8–1.0 0.70S 133.77E 0 4.0,3.9
¶12080934

IDC Error ellipse: s-maj=56.8km s-min=18.0km az=84.0.
IDC I 10 14 48 14.1–1.9 0.15N 132.87E 0 3.8,3.7
DJA I 10 14 48 21 0.14S 132.83E 85 3.9,3.7 ¶12080958
IDC Error ellipse: s-maj=80.3km s-min=23.0km az=74.0.
IDC I 10 14 55 17.4–2.5 0.56S 132.97E 0 3.6,3.4
¶12080959

IDC Error ellipse: s-maj=105.5km s-min=24.7km az=78.0.
IDC I 10 16 17 18.8–2.9 0.09S 133.06E 0 3.4,3.3b
¶12080963

IDC Error ellipse: s-maj=141.8km s-min=29.4km az=74.0.
IDC I 10 16 17 52.6–2.4 0.58S 133.05E 0 3.7,3.5
¶12080964

IDC Error ellipse: s-maj=97.2km s-min=24.6km az=78.0.
IDC I 10 18 50 31.8–1.3 0.66S 133.19E 0 3.8,3.5L
DJA I 10 18 50 30 0.57S 133.50E 10 4.3,3.5L ¶12080974
IDC Error ellipse: s-maj=57.8km s-min=22.3km az=88.0.
IDC I 10 18 54 42.2–2.0 1.05S 133.91E 0 3.8L,3.8
DJA I 10 18 54 45 1.07S 133.97E 24 4.6b,3.8 ¶12080975
IDC Error ellipse: s-maj=79.2km s-min=23.5km az=77.0.
IDC I 10 19 11 58.3–2.4 0.03N 133.20E 0 3.7,3.5L
¶12080976

IDC Error ellipse: s-maj=94.4km s-min=26.8km az=78.0.

ISC	**I**	**10 19 37 09.2–.73**	**0.50S–.07**	**132.3E–.20**	**33**	**4.2b**	**33**	**19-87**
IDC	I	10 19 37 04.9–.92	0.28S	132.43E	0	4.3,4.2b		¶11534722
ISCJB	I	10 19 37 07.5–.53	0.39S–.04	132.4E–.10	33	4.1b,3.4s		
DJA	I	10 19 37 07	0.07S	132.79E	19	4.8b,3.4s		
NEIC	I	10 19 37 09.7–.54	0.33S	132.40E	35	4.2b,3.4s		

ISC Event type se.
IDC Error ellipse: s-maj=47.9km s-min=13.7km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=5.6km az=171.2.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=7.7km az=75.0.

ISC	**I**	**10 22 17 56.1–.35**	**0.49S–.04**	**132.83E–.06**	**32**	**4.8b,4.0s**	**153**	**2-153**
IDC	I	10 22 17 50.8–.57	0.40S	132.88E	0	4.7,4.6		¶11534726
BJI	I	10 22 17 53.6	0.65S	132.78E	36	5.1b,4.8s		
ISCJB	I	10 22 17 53.9–.27	0.44S–.03	132.88E–.05	32	4.8b,4.1s		
DJA	I	10 22 17 56	0.54S	132.77E	17	5.1b,4.1s		
NEIC	I	10 22 17 56.1–.16	0.45S	132.81E	35	4.8b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=12.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=163.8.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.0km az=66.0.
IDC I 10 22 47 12.6–1.3 0.30S 133.86E 0 3.9,3.8
¶12080991

IDC Error ellipse: s-maj=66.2km s-min=19.4km az=85.0.
IDC I 10 22 48 40.8–1.9 0.12S 132.97E 0 4.0,4.0s
¶12080992

IDC Error ellipse: s-maj=79.5km s-min=23.4km az=75.0.
IDC I 11 00 36 39.3–2.6 0.48S 131.62E 0 3.8,3.7L
¶12080996

IDC Error ellipse: s-maj=124.0km s-min=24.3km az=76.0.
IDC I 11 01 02 18.0–1.2 0.64S 133.37E 0 4.0,3.9b
DJA I 11 01 02 23 0.62S 133.26E 66 3.9,3.9b ¶12080997
IDC Error ellipse: s-maj=59.0km s-min=20.3km az=83.0.
IDC I 11 01 09 19.0–13 0.40S 132.81E 0 3.9,3.8b
DJA I 11 01 09 28 0.56S 132.54E 78 4.0,3.8b ¶12080998
IDC Error ellipse: s-maj=193.9km s-min=81.0km az=169.0.
IDC I 11 01 41 14.1–2.2 0.42S 132.04E 0 3.9,3.8L
DJA I 11 01 41 20 0.49S 131.82E 91 3.9,3.8L ¶12080999
IDC Error ellipse: s-maj=93.1km s-min=24.2km az=77.0.
IDC I 11 02 09 56.0–2.9 0.43S 132.79E 0 4.1s,4.1
DJA I 11 02 10 00 0.56S 132.72E 10 3.9,4.1 ¶12081004
IDC Error ellipse: s-maj=153.3km s-min=27.3km az=74.0.
IDC I 11 02 17 52.4–1.2 0.42S 132.99E 0 3.9L,3.9
DJA I 11 02 17 58 0.58S 132.77E 7 4.4,3.9 ¶12081005

IDC Error ellipse: s-maj=59.8km s-min=21.0km az=85.0.
IDC I 11 07 04 01.4–6.3 0.49S 131.48E 0 4.4s,4.4
¶12081014

IDC Error ellipse: s-maj=435.3km s-min=27.4km az=72.0.

ISC	**I**	**11 12 17 17.4–1.6**	**0.5S–.20**	**133.3E–.40**	**28**	**4.2b**	**13**	**19-65**
IDC	I	11 12 17 13.6–1.8	0.43S	133.18E	0	4.1,4.0b		¶12081027
ISCJB	I	11 12 17 15.5–1.6	0.4S–.20	133.3E–.40	28	3.9b,4.0b		
NEIC	I	11 12 17 18.2–1.2	0.41S	133.40E	35	4.6b,4.0b		

ISC Event type ke.
IDC Error ellipse: s-maj=76.7km s-min=23.0km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=54.0km s-min=18.5km az=166.6.
NEIC Event type se. Error ellipse: s-maj=43.7km s-min=13.7km az=75.0.
IDC I 11 12 24 50.8–2.7 1.55S 133.31E 0 3.3,3.2L
¶12081029

IDC Error ellipse: s-maj=132.4km s-min=26.8km az=75.0.
IDC I 11 12 31 25.1–2.1 1.04S 132.88E 0 3.8,3.6L
¶12081030

IDC Error ellipse: s-maj=110.7km s-min=23.8km az=72.0.
IDC I 11 13 14 22.6–1.9 0.26S 133.10E 0 4.0,3.9b
DJA I 11 13 14 29 0.55S 132.60E 10 4.0,3.9b ¶12081032
IDC Error ellipse: s-maj=93.4km s-min=19.6km az=79.0.

ISC	**I**	**11 14 02 06.5–.75**	**0.47S–.08**	**133.0E–.10**	**32**	**4.3b**	**18**	**3-86**
IDC	I	11 14 02 02.0–.77	0.44S	132.84E	0	4.4L,4.3		¶12081037
ISCJB	I	11 14 02 04.5–.60	0.44S–.06	133.04E–.09	32	4.1b,4.3		
DJA	I	11 14 02 09	0.51S	132.64E	66	4.5,4.3		

ISC Event type ke.
IDC Error ellipse: s-maj=35.8km s-min=14.7km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=8.8km az=13.5.

ISC	**I**	**11 14 15 55.2–.31**	**0.92S–.04**	**133.51E–.06**	**29**	**4.8b,4.2s**	**211**	**2-153**
IDC	I	11 14 15 50.5–.51	0.76S	133.43E	0	5.1L,4.8		¶11594530
BJI	I	11 14 15 51.6	1.23S	133.38E	28	5.2b,4.8s		
MOS	I	11 14 15 53.7–1.1	0.79S	133.39E	33	5.0b,4.8s		
ISCJB	I	11 14 15 53.0–.24	0.74S–.03	133.64E–.04	29	4.8b,4.2s		
DJA	I	11 14 15 54	0.92S	133.57E	10	5.4b,4.2s		
NEIC	I	11 14 15 54.6–2.9	0.77S	133.51E	27–20	4.9b,4.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=25.1km s-min=11.6km az=77.0.
MOS Error ellipse: s-maj=17.0km s-min=6.8km az=115.4.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=162.0.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=5.4km az=58.0. Felt [III] at Manokwari.
IDC I 11 17 46 35.1–2.8 0.06S 133.47E 0 3.5,3.4L
¶12081047

IDC Error ellipse: s-maj=144.0km s-min=26.0km az=75.0.
IDC I 11 17 52 27.6–3.2 0.13S 132.73E 0 3.4,3.3b
¶12081048

IDC Error ellipse: s-maj=172.6km s-min=28.3km az=74.0.

ISC	**I**	**11 18 13 06.0–.38**	**0.69S–.04**	**132.86E–.07**	**84–2**	**4.9b**	**244**	**2-153**
IDC	I	11 18 12 56.1–.51	0.51S	132.88E	0	4.9,4.8		¶11712712
MOS	I	11 18 12 59.2–.76	0.53S	132.86E	33	5.2b,4.8		
NEIC	I	11 18 13 01.2–.18	0.55S	132.88E	35	5.2b,4.8		
BJI	I	11 18 13 03.2	0.61S	133.08E	84	5.2b,4.9b		
ISCJB	I	11 18 13 04.2–.23	0.64S–.03	132.88E–.05	82	4.9b,4.9b		
DJA	I	11 18 13 05	0.70S	132.70E	23	5.1,4.9b		

ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=11.0km az=74.0.
MOS Error ellipse: s-maj=15.5km s-min=6.1km az=115.7.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.2km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.6km az=165.9.
IDC I 11 19 07 34.9–2.6 0.73S 131.75E 0 3.6,3.4
¶12081057

IDC Error ellipse: s-maj=126.1km s-min=24.5km az=76.0.

ISC	**I**	**11 20 13 16.3–.94**	**0.86S–.08**	**132.5E–.20**	**35**	**4.0b**	**24**	**13-74**
IDC	I	11 20 13 09.9–1.7	0.49S	132.94E	0	4.1,3.9b		¶12081062
NEIC	I	11 20 13 15.5–.70	0.57S	132.79E	35	4.9b,3.9b		
DJA	I	11 20 13 16	0.52S	132.78E	22	4.8b,3.9b		

ISC Event type se.
IDC Error ellipse: s-maj=92.8km s-min=17.9km az=76.0.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=8.8km az=70.0.
IDC I 11 21 59 46.6–2.8 0.91S 133.14E 0 3.3,3.2
¶12081066

IDC Error ellipse: s-maj=140.9km s-min=26.4km az=75.0.
IDC I 11 22 01 54.3–2.5 0.75S 133.53E 0 3.8,3.7L
DJA I 11 22 01 57 0.68S 133.67E 20 3.9,3.7L ¶12081067
IDC Error ellipse: s-maj=95.6km s-min=25.9km az=79.0.
IDC I 11 22 36 10.5–2.5 0.76S 133.54E 0 3.7,3.5b
¶12081070

IDC Error ellipse: s-maj=99.2km s-min=24.5km az=79.0.
IDC I 11 23 08 22.4–2.3 0.34S 132.79E 0 3.7,3.5L
¶12081072

IDC Error ellipse: s-maj=96.5km s-min=24.6km az=78.0.
IDC I 11 23 10 22.6–2.1 0.44S 132.83E 0 3.9,3.8L
¶12081073

IDC Error ellipse: s-maj=97.2km s-min=23.2km az=75.0.
IDC I 12 02 50 01.2–2.1 0.48S 132.07E 0 4.0,3.8b
¶12081081

IDC Error ellipse: s-maj=103.0km s-min=24.9km az=74.0.
IDC I 12 04 11 27.9–2.1 0.56S 133.02E 0 3.8,3.7b
DJA I 12 04 11 32 0.63S 132.80E 10 3.6,3.7b ¶12081085
IDC Error ellipse: s-maj=86.1km s-min=26.9km az=74.0.
IDC I 12 04 31 40.2–2.9 0.25N 133.43E 0 3.5,3.3
¶12081087

IDC Error ellipse: s-maj=172.6km s-min=25.6km az=75.0.
IDC I 12 05 31 40.1–.88 0.40S 133.20E 0 4.2,4.0
¶12081090

IDC Error ellipse: s-maj=43.1km s-min=11.8km az=79.0.

ISC	**I**	**12 07 42 58.6–.97**	**0.93S–.08**	**133.2E–.20**	**35**	**3.8b**	**22**	**16-80**
IDC	I	12 07 42 52.5–1.9	0.61S	133.74E	0	3.9,3.8b		¶12081096
NEIC	I	12 07 42 58.0–.60	0.63S	133.62E	35	4.2b,3.8b		
DJA	I	12 07 42 59	2.35S	130.17E	10	3.6,3.8b		

ISC Event type se.
IDC Error ellipse: s-maj=93.2km s-min=19.3km az=77.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=10.3km az=74.0.
IDC I 12 13 31 15.7–2.5 4.12S 135.96E 0 3.7,3.6
¶12081108

IDC Error ellipse: s-maj=98.5km s-min=25.1km az=88.0.
IDC I 12 13 50 46.2–13 0.80S 133.35E 0 3.7,3.6b
¶12081109

IDC Error ellipse: s-maj=191.2km s-min=82.1km az=169.0.
IDC I 12 13 57 20.5–3.2 2.28S 136.38E 0 3.4,3.3
DJA I 12 13 57 15 1.68S 139.10E 19 3.7,3.3 ¶12081110
IDC Error ellipse: s-maj=135.4km s-min=29.1km az=81.0.
IDC I 12 14 15 47.3–2.4 0.74S 132.94E 0 3.4,3.3L
¶12081111

IDC Error ellipse: s-maj=102.5km s-min=24.7km az=78.0.
IDC I 12 15 11 50.9–2.6 0.38S 132.98E 0 3.3L,3.3
¶12081116

IDC Error ellipse: s-maj=131.8km s-min=26.0km az=74.0.
IDC I 12 17 11 25.0–2.1 0.65S 132.95E 0 3.9,3.8L
¶12081122

IDC Error ellipse: s-maj=81.6km s-min=26.7km az=74.0.
IDC I 12 18 19 52.1–2.4 0.69S 133.47E 0 3.5,3.3
¶12081128

IDC Error ellipse: s-maj=93.2km s-min=24.9km az=79.0.
IDC I 12 19 41 40.9–2.6 0.52S 131.74E 0 3.7,3.5
¶12081134

IDC Error ellipse: s-maj=126.5km s-min=24.6km az=76.0.
IDC I 12 19 53 21.2–.96 0.13S 132.87E 0 4.2,4.1
DJA I 12 19 53 23 0.04S 132.75E 10 4.4,4.1 ¶12081135
IDC Error ellipse: s-maj=47.3km s-min=15.6km az=76.0.

ISC	**I**	**12 20 29 38.5–.41**	**0.51S–.06**	**133.31E–.06**	**28**	**4.8b,3.9s**	**136**	**3-153**
BJI	I	12 20 29 32.2	0.84S	133.75E	24	5.4b,4.7b		¶11594574

IDC I 12 20 29 34.2–.57 0.54S 133.25E 0 4.7,4.5
ISCJB I 12 20 29 36.6–.30 0.52S–.04 133.30E–.06 28 4.8b,3.9s
MOS I 12 20 29 37.4–.92 0.56S 133.20E 33 5.0b,3.9s
NEIC I 12 20 29 39.5–.27 0.58S 133.18E 35 4.9b,3.9s
DJA I 12 20 29 39 0.46S 133.24E 72 5.1,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=12.8km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.4km az=169.6.
MOS Error ellipse: s-maj=19.1km s-min=7.1km az=113.6.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=4.8km az=68.0.
IDC I 12 22 42 37.0–2.6 0.57S 133.80E 0 3.4,3.3
¶12081148

IDC Error ellipse: s-maj=96.5km s-min=27.2km az=79.0.
IDC I 13 01 31 00.1–3.2 0.27S 132.84E 0 3.7,3.6L
¶12081157

IDC Error ellipse: s-maj=175.3km s-min=28.3km az=74.0.
IDC I 13 01 55 49.8–2.5 0.66S 133.27E 0 3.7,3.5b
¶12081160

IDC Error ellipse: s-maj=96.1km s-min=26.6km az=79.0.
IDC I 13 02 40 31.5–1.1 0.26S 132.42E 0 3.7,3.6b
¶12081162

IDC Error ellipse: s-maj=59.0km s-min=19.4km az=82.0.
IDC I 13 13 21 46.3–13 1.25S 131.42E 0 3.8,3.7L
DJA I 13 13 21 44 0.36S 132.44E 104 3.7,3.7L ¶12081187
IDC Error ellipse: s-maj=275.8km s-min=154.0km az=107.0.
IDC I 13 13 31 22.8–2.5 0.68S 133.33E 0 3.8,3.7b
DJA I 13 13 31 23 0.32S 133.27E 13 4.0,3.7b ¶12081188
IDC Error ellipse: s-maj=141.3km s-min=24.2km az=73.0.
IDC I 13 13 39 55.6–2.8 0.18S 132.66E 0 3.9,3.7b
DJA I 13 13 40 08 0.88S 131.39E 112 3.5,3.7b ¶12081190
IDC Error ellipse: s-maj=123.4km s-min=27.3km az=77.0.
IDC I 13 14 12 04.9–2.5 0.73S 133.36E 0 3.7,3.5
¶12081194

IDC Error ellipse: s-maj=99.6km s-min=24.7km az=79.0.
ISC I 13 14 46 32.4–.40 0.85S–.05 133.47E–.06 29 4.8b,3.8s 91 2-153
IDC I 13 14 46 28.1–.64 0.77S 133.52E 0 4.5,4.4L ¶11594609
BJI I 13 14 46 28.0 0.78S 133.99E 26 5.1b,4.8b
ISCJB I 13 14 46 30.8–.28 0.76S–.03 133.48E–.05 29 4.7b,3.9s
DJA I 13 14 46 32 0.75S 133.44E 10 4.9b,3.9s
NEIC I 13 14 46 33.5–.22 0.83S 133.42E 35 4.5b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=13.6km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.6km az=156.6.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=3.8km az=63.0.
IDC I 13 14 59 42.5–1.3 0.74S 133.63E 0 4.0,3.9s
¶12081195

IDC Error ellipse: s-maj=60.1km s-min=22.3km az=87.0.
IDC I 13 16 05 12.2–1.2 0.68S 133.84E 0 3.9,3.8L
DJA I 13 16 05 08 0.15N 133.51E 10 4.6,3.8L ¶12081198
IDC Error ellipse: s-maj=57.9km s-min=18.2km az=83.0.
IDC I 13 17 14 28.4–2.5 0.62S 133.17E 0 3.6,3.4L
DJA I 13 17 14 33 0.72S 133.27E 35 3.9,3.4L ¶12081200
IDC Error ellipse: s-maj=96.3km s-min=26.2km az=78.0.
ISC I 13 21 24 53.2–1.0 1.00S–.09 132.7E–.20 32 4.2b,3.3s 13 18-87
IDC I 13 21 24 47.8–.85 0.70S 133.13E 0 4.2,4.2L ¶12081215
ISCJB I 13 21 24 50.8–.66 0.89S–.05 132.8E–.20 32 4.0b,3.3s
DJA I 13 21 24 54 0.77S 133.19E 53 4.4,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=50.0km s-min=14.6km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=22.3km s-min=7.8km az=177.7.
IDC I 13 23 06 43.9–7.3 0.34S 132.32E 0 3.7,3.5b
¶12081227

IDC Error ellipse: s-maj=470.6km s-min=28.4km az=74.0.
ISC I 13 23 45 42.5–.76 0.37S–.08 132.7E–.20 35 4.0b 26 19-86
IDC I 13 23 45 37.8–.95 0.21S 132.64E 0 4.1,4.0L ¶12081229
ISCJB I 13 23 45 40.7–.69 0.32S–.07 132.6E–.30 33 3.9b,4.0L
NEIC I 13 23 45 42.8–.49 0.24S 132.71E 35 3.9b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=52.4km s-min=13.4km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=37.1km s-min=8.2km az=171.6.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=7.1km az=82.0.
IDC I 14 00 54 18.1–1.6 0.75S 133.28E 0 4.2,4.1L
DJA I 14 00 54 23 0.77S 133.18E 14 4.0,4.1L ¶12081236
IDC Error ellipse: s-maj=80.6km s-min=20.8km az=75.0.
IDC I 14 03 09 08.6–3.3 0.39S 132.94E 0 3.9,3.8
DJA I 14 03 09 09 0.05S 132.90E 20 4.3,3.8 ¶12081244
IDC Error ellipse: s-maj=236.7km s-min=29.5km az=70.0.
ISC I 14 04 26 00.1–.54 0.80S–.06 133.4E–.10 28 4.7b,4.0s 83 14-153
IDC I 14 04 25 55.2–.79 0.63S 133.44E 0 4.5,4.4 ¶11594650
ISCJB I 14 04 25 57.8–.46 0.73S–.05 133.4E–.10 28 4.6b,4.0s
DJA I 14 04 25 59 0.67S 133.25E 26 4.9,4.0s
BJI I 14 04 25 59.0 0.70S 133.30E 35 5.0b,4.9s
NEIC I 14 04 26 00.7–.36 0.69S 133.32E 35 4.6b,4.9s
ISC Event type ke.
IDC Error ellipse: s-maj=39.7km s-min=17.3km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=6.3km az=167.8.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.0km az=80.0.
IDC I 14 04 36 30.5–1.1 0.57S 133.11E 0 4.0,3.9b
DJA I 14 04 36 37 0.63S 133.00E 68 4.6b,3.9b ¶12081248
IDC Error ellipse: s-maj=60.2km s-min=19.9km az=80.0.
ISC I 14 07 19 01.8–.35 0.88S–.04 133.34E–.06 29 4.7b,4.0s 153 2-153
BJI I 14 07 18 54.2 1.76S 133.63E 35 5.1b,4.8s ¶11594663
IDC I 14 07 18 56.5–.62 0.68S 133.18E 0 5.0L,4.6
ISCJB I 14 07 18 59.3–.27 0.80S–.03 133.31E–.04 29 4.6b,4.1s
MOS I 14 07 18 59.7–.98 0.74S 133.12E 33 4.8b,4.1s
NEIC I 14 07 19 01.9–.23 0.75S 133.16E 35 4.9b,4.1s
DJA I 14 07 19 03 0.83S 133.25E 36 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=13.8km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=167.0.
MOS Error ellipse: s-maj=20.2km s-min=8.0km az=113.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.3km az=71.0.
IDC I 14 12 39 34.5–1.3 0.30S 132.62E 0 4.1,3.9L
¶12081267

IDC Error ellipse: s-maj=99.3km s-min=24.2km az=80.0.
IDC I 14 13 29 23.4–1.3 0.56S 133.23E 0 3.9,3.7b
DJA I 14 13 29 25 0.32S 133.21E 10 4.2,3.7b ¶12081272
IDC Error ellipse: s-maj=65.2km s-min=25.0km az=85.0.
ISC I 14 13 33 07.8–.50 0.44S–.07 133.02E–.08 32 4.8b,3.9s 76 3-153
IDC I 14 13 33 03.0–.73 0.44S 133.04E 0 4.5,4.3L ¶11594679
ISCJB I 14 13 33 06.0–.34 0.43S–.04 133.03E–.05 32 4.6b,3.9s
NEIC I 14 13 33 08.4–.24 0.51S 132.95E 35 4.7b,3.9s
DJA I 14 13 33 08 0.50S 133.02E 29 5.0,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=15.2km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=147.3.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.1km az=61.0.
ISC I 14 18 46 31.8–.34 0.35S–.05 132.34E–.08 33 4.9b,4.0s 178 3-154
BJI I 14 18 46 24.4 1.15S 132.60E 38 5.2b,4.7b ¶11594685
IDC I 14 18 46 26.9–.65 0.33S 132.28E 0 4.6,4.5
ISCJB I 14 18 46 29.8–.25 0.36S–.04 132.35E–.06 33 4.8b,4.0s
MOS I 14 18 46 29.5–.88 0.35S 132.22E 31 5.1b,4.0s
NEIC I 14 18 46 31.9–.20 0.39S 132.21E 35 5.0b,4.0s
TEH I 14 18 46 32.0 0.36S 132.32E 39 4.9L,4.0s
DJA I 14 18 46 32 0.34S 132.28E 46 5.0,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=14.8km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.4km az=156.5.
MOS Error ellipse: s-maj=19.4km s-min=7.2km az=117.1.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=3.7km az=62.0.
IDC I 14 18 52 56.3–2.9 0.48S 131.63E 0 3.9,3.8L
¶12081285

IDC Error ellipse: s-maj=217.4km s-min=31.0km az=75.0.
IDC I 14 20 30 11.0–1.4 0.35S 132.45E 0 3.9b,3.9
¶12081290

IDC Error ellipse: s-maj=65.9km s-min=24.6km az=85.0.
IDC I 14 21 04 53.4–2.0 0.78S 133.27E 0 3.8,3.7b
¶12081293

IDC Error ellipse: s-maj=81.6km s-min=26.0km az=75.0.
ISC I 14 23 14 37.1–.73 0.88S–.07 132.58E–.09 32 4.0b,3.7s 37 13-99
IDC I 14 23 14 32.1–.83 0.43S 133.08E 0 4.4L,4.3 ¶12081299
NEIC I 14 23 14 36.7–.45 0.53S 133.11E 35 4.4b,4.3
DJA I 14 23 14 38 0.57S 132.85E 97 4.8,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=15.9km az=73.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.3km az=70.0.
IDC I 15 02 34 15.0–3.0 0.51S 132.82E 0 4.1L,4.1
¶12081304

IDC Error ellipse: s-maj=193.7km s-min=25.4km az=72.0.
IDC I 15 02 52 28.5–1.9 0.45S 131.79E 0 4.1,4.0L
¶12081305

IDC Error ellipse: s-maj=115.0km s-min=19.2km az=79.0.
IDC I 15 06 02 34.8–2.0 0.32S 133.07E 0 3.7b,3.7
¶12081310

IDC Error ellipse: s-maj=84.1km s-min=23.7km az=75.0.
ISC I 15 06 03 04.7–1.3 1.11S–.10 132.9E–.20 28 4.2b 21 14-87
IDC I 15 06 02 58.7–1.1 0.68S 133.31E 0 4.3,4.2L ¶12081311
NEIC I 15 06 03 03.9–.61 0.73S 133.24E 35 4.0b,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=58.2km s-min=18.3km az=81.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=9.2km az=78.0.
IDC I 15 11 26 05.4–2.7 0.84S 133.25E 0 3.8,3.7L
¶12081329

IDC Error ellipse: s-maj=138.8km s-min=25.1km az=75.0.
IDC I 15 11 36 09.3–2.8 0.84S 133.06E 0 3.5,3.4L
¶12081330

IDC Error ellipse: s-maj=135.9km s-min=28.5km az=74.0.
IDC I 15 13 23 42.9–3.0 0.78S 133.28E 0 4.1,3.9b
DJA I 15 13 23 51 0.86S 133.11E 39 4.3b,3.9b ¶12081334
IDC Error ellipse: s-maj=189.7km s-min=24.3km az=72.0.
ISC I 15 14 06 04.9–1.2 1.2S–.10 132.7E–.10 28 4.2b 29 13-87
IDC I 15 14 05 56.5–1.0 0.60S 133.48E 0 4.6L,4.5 ¶12081337
NEIC I 15 14 06 01.9–.64 0.65S 133.28E 35 4.3b,4.5
DJA I 15 14 06 05 0.72S 133.00E 38 4.8b,4.5
ISC Event type ke.
IDC Error ellipse: s-maj=39.2km s-min=13.4km az=78.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=9.8km az=63.0.
IDC I 15 15 36 47.8–1.1 0.49S 132.78E 0 4.1,4.0L
DJA I 15 15 36 52 0.49S 132.89E 15 4.8b,4.0L ¶12081344
IDC Error ellipse: s-maj=61.9km s-min=17.9km az=69.0.
IDC I 15 17 12 40.8–1.6 0.10N 133.76E 0 3.8,3.7b
¶12081349

IDC Error ellipse: s-maj=60.0km s-min=23.1km az=70.0.
IDC I 15 20 11 50.8–2.7 0.22S 132.59E 0 3.8L,3.7
¶12081360

IDC Error ellipse: s-maj=144.1km s-min=26.9km az=73.0.
ISC I 15 20 48 36.5–.53 0.62S–.08 133.24E–.07 32 4.7b 58 2-130
IDC I 15 20 48 31.2–.81 0.60S 133.44E 0 4.8,4.7 ¶12081368
ISCJB I 15 20 48 34.4–.48 0.63S–.05 133.31E–.07 32 4.6b,4.7
DJA I 15 20 48 37 0.73S 133.21E 15 4.9b,4.7
NEIC I 15 20 48 37.0–.34 0.72S 132.97E 35 4.6b,4.7
ISC Event type ke.
IDC Error ellipse: s-maj=39.5km s-min=14.3km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=7.2km az=163.5.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.0km az=72.0.
IDC I 15 21 24 22.6–5.0 0.70S 131.20E 0 3.7,3.6b
¶12081377

IDC Error ellipse: s-maj=356.2km s-min=24.9km az=72.0.
ISC I 15 23 38 04.6–.38 0.46S–.05 133.06E–.07 32 4.8b,4.4s 132 3-153
IDC I 15 23 37 59.6–.60 0.48S 132.94E 0 4.7L,4.6 ¶11594732
ISCJB I 15 23 38 02.2–.32 0.46S–.04 133.08E–.06 32 4.6b,4.4s
BJI I 15 23 38 02.7 0.50S 132.90E 35 5.2b,4.8s
DJA I 15 23 38 04 0.65S 132.79E 10 5.1,4.8s
NEIC I 15 23 38 04.5–.29 0.46S 132.98E 35 4.8b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=12.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.6km az=161.6.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.2km az=63.0.
ISC I 15 23 52 36.6–.55 0.27S–.04 132.68E–.06 34–1 4.9b 184 3-154
IDC I 15 23 52 31.4–.50 0.29S 132.56E 0 4.7,4.6b ¶11594734
MOS I 15 23 52 34.6–.88 0.29S 132.52E 33 5.0b,4.6b
DJA I 15 23 52 34 0.21S 132.59E 10 5.3,4.6b
ISCJB I 15 23 52 35.4–.82 0.24S–.04 132.66E–.04 39–8 4.8b,4.6b
NEIC I 15 23 52 36.5–.25 0.30S 132.60E 35 5.0b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=11.4km az=76.0.
MOS Error ellipse: s-maj=17.2km s-min=7.1km az=113.2.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=146.2.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.7km az=66.0.
IDC I 15 23 58 34.9–2.7 0.48S 131.99E 0 4.0,3.9b
¶11594735

IDC Error ellipse: s-maj=207.4km s-min=21.4km az=75.0.
ISC I 15 23 58 48.5–.45 0.46S–.04 132.85E–.06 32–2 4.8b 178 3-153
IDC I 15 23 58 43.5–.54 0.50S 132.89E 0 4.9L,4.8 ¶12081390
MOS I 15 23 58 45.9–.94 0.61S 132.92E 33 5.0b,4.8
ISCJB I 15 23 58 47.0–.26 0.45S–.03 132.89E–.05 33 4.8b,4.1s
DJA I 15 23 58 47 0.46S 132.87E 10 5.2,4.1s
NEIC I 15 23 58 48.5–2.4 0.56S 132.71E 32–17 5.0b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=11.6km az=79.0.
MOS Error ellipse: s-maj=28.6km s-min=9.4km az=117.3.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.3km az=175.9.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=60.0.
IDC I 16 02 12 48.9–1.2 0.20S 132.91E 0 4.1L,4.0
DJA I 16 02 12 52 0.30S 132.70E 17 4.2,4.0 ¶12081401
IDC Error ellipse: s-maj=65.3km s-min=21.0km az=78.0.
ISC I 16 08 19 44.0–1.2 0.42S–.10 133.0E–.10 32 4.2b 23 3-65
IDC I 16 08 19 37.8–2.3 0.22S 133.74E 0 4.4,4.3L ¶12081420
ISCJB I 16 08 19 41.9–.96 0.40S–.07 133.03E–.09 32 4.1b,4.3L
NEIC I 16 08 19 44.8–.98 0.50S 132.93E 35 4.5b,4.3L
DJA I 16 08 19 48 0.74S 132.77E 15 4.7,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=121.4km s-min=24.9km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=10.3km az=169.8.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=13.7km az=66.0.
IDC I 16 12 32 21.2–15 0.40S 133.13E 0 4.1,4.0b
¶12081437

IDC Error ellipse: s-maj=226.0km s-min=97.4km az=167.0.
IDC I 16 12 33 16.5–14 0.51S 132.72E 0 4.3L,4.2
¶12081438

IDC Error ellipse: s-maj=211.5km s-min=63.2km az=163.0.
IDC I 16 12 35 14.7–18 0.42S 132.64E 0 4.0,3.9b
¶12081439

IDC Error ellipse: s-maj=333.9km s-min=180.9km az=129.0.
IDC I 16 14 33 55.2–2.6 0.07S 132.83E 0 3.6L,3.6
¶12081445

IDC Error ellipse: s-maj=134.6km s-min=26.5km az=74.0.
IDC I 16 15 23 20.6–2.8 0.11S 133.37E 0 3.5L,3.5
¶12081449

IDC Error ellipse: s-maj=140.9km s-min=25.9km az=75.0.
IDC I 16 18 26 50.7–1.7 0.68S 133.37E 0 4.0s,4.0b
¶12081463

IDC Error ellipse: s-maj=81.2km s-min=20.3km az=76.0.
IDC I 16 18 45 44.5–2.2 0.26S 132.76E 0 3.7,3.6L ¶12081466

IDC Error ellipse: s-maj=91.3km s-min=24.3km az=77.0.
IDC I 16 19 29 09.6–2.3 1.78S 133.47E 0 4.1s,4.1 ¶12081471

IDC Error ellipse: s-maj=91.3km s-min=25.1km az=79.0.
IDC I 16 20 25 20.6–2.0 0.50S 133.12E 0 3.9,3.7L
DJA I 16 20 25 40 2.20S 131.02E 10 3.8,3.7L ¶12081474
IDC Error ellipse: s-maj=81.0km s-min=24.2km az=75.0.
IDC I 16 20 32 56.8–2.9 0.75S 133.46E 0 3.5,3.3L ¶12081475

IDC Error ellipse: s-maj=117.5km s-min=26.6km az=79.0.
IDC I 16 20 34 36.3–2.3 0.80S 133.36E 0 3.8L,3.8 ¶12081476

IDC Error ellipse: s-maj=92.3km s-min=23.5km az=79.0.
IDC I 16 20 46 34.0–1.9 0.31S 132.41E 0 3.9,3.8L
DJA I 16 20 46 35 0.22S 132.31E 10 4.2,3.8L ¶12081478
IDC Error ellipse: s-maj=96.7km s-min=19.3km az=78.0.
IDC I 16 22 17 28.6–1.2 0.61S 133.23E 0 4.1,4.0b ¶12081487

IDC Error ellipse: s-maj=55.3km s-min=20.3km az=82.0.
IDC I 17 00 14 56.6–2.4 1.09S 133.76E 0 4.1,4.0b ¶12081494

IDC Error ellipse: s-maj=130.5km s-min=22.8km az=76.0.
IDC I 17 00 47 46.4–1.1 0.45S 132.21E 0 3.9,3.8 ¶12081496

IDC Error ellipse: s-maj=62.4km s-min=18.8km az=82.0.
IDC I 17 01 24 30.9–3.8 0.61S 131.45E 0 3.6,3.4 ¶12081499

IDC Error ellipse: s-maj=252.4km s-min=25.5km az=72.0.
IDC I 17 03 43 21.0–1.1 0.23S 132.51E 0 3.9,3.8b ¶12081509

IDC Error ellipse: s-maj=70.1km s-min=21.8km az=78.0.
ISC I 17 05 52 52.2–1.2 0.7S–.10 132.3E–.20 33 4.2b 19 18-68
IDC I 17 05 52 46.1–1.2 0.38S 132.66E 0 4.1,4.0b ¶12081514
ISCJB I 17 05 52 50.0–.91 0.57S–.08 132.3E–.20 33 4.0b,4.0b
DJA I 17 05 52 51 0.42S 132.81E 54 4.2,4.0b
NEIC I 17 05 52 51.6–.79 0.46S 132.70E 35 4.1b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=58.2km s-min=18.4km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=23.9km s-min=11.9km az=0.9.
NEIC Event type se. Error ellipse: s-maj=31.3km s-min=10.6km az=74.0.
ISC I 17 07 50 28.6–1.1 0.54S–.07 132.8E–.10 33 3.6b 10 2-65
IDC I 17 07 50 23.6–1.2 0.38S 132.57E 0 4.1L,3.9 ¶12081519
DJA I 17 07 50 25.6–.90 0S–6.0 133E–6.0 10 5.8b,5.3
ISC Event type ke.
IDC I 17 11 19 21.8–3.5 3.46S 136.00E 0 3.5,3.3 ¶12081531

IDC Error ellipse: s-maj=157.5km s-min=30.0km az=80.0.
IDC I 17 11 48 27.4–4.8 0.56S 131.62E 0 3.7L,3.7 ¶12081534

IDC Error ellipse: s-maj=324.5km s-min=25.5km az=73.0.
IDC I 17 12 00 48.0–13 0.83S 133.05E 0 5.0,5.0s ¶12081536

IDC Error ellipse: s-maj=195.6km s-min=118.2km az=156.0.
IDC I 17 13 01 36.6–.99 0.31S 132.64E 0 4.2L,4.2
DJA I 17 13 01 39 0.18S 132.46E 23 4.6,4.2 ¶12081543
IDC Error ellipse: s-maj=59.6km s-min=13.3km az=81.0.
IDC I 17 16 30 58.5–1.1 0.32S 132.42E 0 3.8,3.7b ¶12081548

IDC Error ellipse: s-maj=61.1km s-min=18.7km az=82.0.
IDC I 17 17 53 08.8–2.5 0.42S 131.71E 0 3.8b,3.8 ¶12081556

IDC Error ellipse: s-maj=119.6km s-min=24.3km az=76.0.
IDC I 17 19 16 09.5–5.3 0.33S 132.07E 0 3.3,3.2b ¶12081563

IDC Error ellipse: s-maj=348.1km s-min=25.8km az=73.0.
IDC I 17 19 18 58.4–3.4 0.18S 132.76E 0 3.3,3.1b ¶12081564

IDC Error ellipse: s-maj=191.8km s-min=28.1km az=74.0.
ISC I 17 20 25 05.1–.55 0.88S–.06 131.8E–.10 35 4.2b 42 10-89
IDC I 17 20 25 00.8–.79 0.57S 132.11E 0 4.1,4.0 ¶12081568
NEIC I 17 20 25 05.5–.35 0.53S 132.09E 35 4.3b,4.0
DJA I 17 20 25 06 0.50S 131.66E 10 3.9,4.0
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=15.0km az=78.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=6.1km az=66.0.
IDC I 17 21 05 13.2–2.5 0.35S 133.34E 0 3.7,3.7s ¶12081572

IDC Error ellipse: s-maj=99.9km s-min=24.8km az=79.0.
IDC I 17 21 08 28.8–3.1 0.66S 131.34E 0 3.7,3.6L ¶12081573

IDC Error ellipse: s-maj=228.3km s-min=21.7km az=73.0.
IDC I 17 21 50 59.4–3.8 0.68S 130.92E 0 3.4,3.2b ¶12081576

IDC Error ellipse: s-maj=265.2km s-min=25.7km az=72.0.
ISC I 18 04 27 20.4–.40 0.29S–.04 132.42E–.07 35–1 4.9b,4.3s 189 3-154
IDC I 18 04 27 15.3–.54 0.21S 132.44E 0 4.7,4.6 ¶11596321
MOS I 18 04 27 18.6–.77 0.20S 132.35E 33 5.0b,4.6
ISCJB I 18 04 27 18.4–1.0 0.29S–.05 132.45E–.06 33–9 4.8b,4.1s
BJI I 18 04 27 19.6 0.30S 132.30E 33 5.1b,4.8s
DJA I 18 04 27 20 0.44S 132.31E 18 4.8b,4.8s
NEIC I 18 04 27 20.5–.29 0.27S 132.38E 35 4.8b,4.8s
ISC Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=10.6km az=81.0.
MOS Error ellipse: s-maj=17.2km s-min=7.4km az=111.3.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=7.0km az=156.2.
NEIC Event type fe. Error ellipse: s-maj=11.7km s-min=6.1km az=74.0. Felt [II] at Sorong.
IDC I 18 05 25 31.5–2.1 0.27S 133.00E 0 3.5,3.3L ¶12081604

IDC Error ellipse: s-maj=94.1km s-min=21.3km az=79.0.
IDC I 18 05 54 55.0–4.0 0.48S 131.76E 0 3.5,3.4b ¶12081609

IDC Error ellipse: s-maj=276.5km s-min=23.7km az=73.0.
IDC I 18 07 37 32.7–2.6 1.12S 130.39E 0 3.4,3.2L ¶12081619

IDC Error ellipse: s-maj=139.5km s-min=24.6km az=74.0.
ISC I 18 13 37 43.6–.81 0.75S–.08 132.79E–.10 32 3.9b 12 2-87
IDC I 18 13 37 38.5–.95 0.56S 133.30E 0 4.0,4.0L ¶11596334
DJA I 18 13 37 46 0.79S 133.10E 30 4.5,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=54.5km s-min=16.0km az=80.0.
IDC I 18 15 16 13.1–6.1 0.34S 133.50E 0 3.6,3.5L ¶12081654

IDC Error ellipse: s-maj=389.7km s-min=22.1km az=76.0.
IDC I 18 16 37 14.0–2.3 0.05N 131.21E 0 4.7,4.7s
DJA I 18 16 37 25 0.74S 132.25E 14 4.0,4.7s ¶12081658
IDC Error ellipse: s-maj=113.8km s-min=18.4km az=75.0.
IDC I 18 21 12 54.9–2.8 0.44S 132.83E 0 3.6,3.4L ¶12081672

IDC Error ellipse: s-maj=151.6km s-min=25.8km az=74.0.
IDC I 18 22 10 34.1–16 0.07N 132.90E 0 4.1,4.0b ¶12081678

IDC Error ellipse: s-maj=244.1km s-min=122.1km az=162.0.
IDC I 19 00 11 56.4–.87 0.41S 132.13E 0 4.1,3.9b ¶12081685

IDC Error ellipse: s-maj=52.2km s-min=16.0km az=80.0.
ISC I 19 00 14 54.8–.40 0.56S–.04 131.99E–.05 18–1 4.9b,4.2s 215 2-129
BJI I 19 00 14 45.6 1.26S 132.52E 10 5.2b,4.8s ¶11610985
IDC I 19 00 14 51.5–.59 0.55S 131.86E 0 4.7,4.6
ISCJB I 19 00 14 53.3–1.2 0.46S–.03 132.10E–.04 20–8 4.9b,4.2s
MOS I 19 00 14 55.2–1.2 0.49S 131.89E 33 5.2b,4.2s
DJA I 19 00 14 56 0.70S 131.76E 11 4.9,4.2s
NEIC I 19 00 14 56.9–2.6 0.47S 131.91E 33–18 5.0b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=27.8km s-min=13.1km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.6km az=154.3.
MOS Error ellipse: s-maj=13.9km s-min=6.8km az=112.4.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=5.0km az=62.0. Felt [III] at Sorong.
ISC I 19 00 21 34.9–.32 0.47S–.04 131.93E–.05 31 4.9b,4.2s 182 2-136
IDC I 19 00 21 30.1–.57 0.55S 131.77E 0 4.6,4.5 ¶11610986
ISCJB I 19 00 21 32.9–.24 0.46S–.03 131.91E–.04 31 4.8b,4.2s
MOS I 19 00 21 33.3–1.1 0.51S 131.76E 33 5.1b,4.2s
BJI I 19 00 21 34.0 0.40S 131.80E 30 5.3b,4.9s
NEIC I 19 00 21 35.2–.18 0.50S 131.87E 35 4.9b,4.9s
DJA I 19 00 21 35 0.56S 131.73E 13 4.9b,4.9s
ISC Event type fe.
IDC Error ellipse: s-maj=27.7km s-min=10.9km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.6km az=164.6.
MOS Error ellipse: s-maj=13.8km s-min=6.8km az=114.6.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=3.5km az=61.0. Felt [IV] at Sorong.
IDC I 19 00 45 25.0–.99 0.54S 131.90E 0 3.9,3.8 ¶12081686

IDC Error ellipse: s-maj=71.5km s-min=13.7km az=79.0.
IDC I 19 00 55 18.1–1.2 0.46S 131.97E 0 3.8,3.7b ¶12081687

IDC Error ellipse: s-maj=64.2km s-min=19.9km az=81.0.
ISC I 19 00 57 56.8–.78 0.90S–.08 131.4E–.20 35 3.9b 26 12-87
IDC I 19 00 57 51.9–.97 0.49S 132.03E 0 4.0,3.9 ¶12081688
NEIC I 19 00 57 57.0–.36 0.54S 131.96E 35 4.0b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=60.5km s-min=15.9km az=77.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=5.8km az=75.0.
ISC I 19 01 06 29.4–.31 0.19S–.03 132.97E–.05 34–0 5.0b,4.5s 288 3-154
IDC I 19 01 06 24.0–.46 0.14S 132.84E 0 4.8,4.8 ¶11610989
ISCJB I 19 01 06 27.9–.83 0.17S–.03 133.03E–.04 40–7 4.9b,4.5s
MOS I 19 01 06 27.2–.86 0.19S 132.83E 33 5.2b,4.5s
NEIC I 19 01 06 29.2–.19 0.20S 132.84E 35 5.3b,4.5s
DJA I 19 01 06 33 0.61S 132.94E 10 5.1b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=9.8km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.7km az=165.0.
MOS Error ellipse: s-maj=13.1km s-min=6.4km az=106.8.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.0km az=67.0.
IDC I 19 01 54 21.9–3.1 0.52S 133.63E 0 3.6,3.5L ¶12081692

IDC Error ellipse: s-maj=163.4km s-min=26.5km az=75.0.
IDC I 19 02 26 43.9–1.1 0.59S 133.14E 0 3.7,3.6
DJA I 19 02 26 55 2.10S 130.25E 10 3.5,3.6 ¶12081695
IDC Error ellipse: s-maj=58.4km s-min=18.7km az=82.0.
IDC I 19 02 29 37.6–2.0 0.12N 133.94E 0 3.7L,3.7 ¶12081696

IDC Error ellipse: s-maj=84.2km s-min=23.7km az=76.0.
IDC I 19 04 57 59.6–1.3 0.91S 132.95E 0 4.2s,4.2 ¶12081712

IDC Error ellipse: s-maj=62.5km s-min=20.9km az=83.0.
IDC I 19 06 14 01.1–2.8 0.16S 133.19E 0 3.7,3.5L ¶12081723

IDC Error ellipse: s-maj=143.2km s-min=27.2km az=74.0.
IDC I 19 06 54 22.1–1.2 0.37S 132.25E 0 3.9,3.8b ¶12081726

IDC Error ellipse: s-maj=65.8km s-min=20.0km az=82.0.
IDC I 19 06 58 29.8–3.0 0.02S 133.15E 0 4.1s,4.1 ¶12081727

IDC Error ellipse: s-maj=154.2km s-min=27.6km az=74.0.
IDC I 19 07 10 13.8–4.2 0.46S 133.84E 0 3.5L,3.5 ¶12081728

IDC Error ellipse: s-maj=224.0km s-min=28.8km az=76.0.
IDC I 19 07 18 08.7–1.9 2.12S 135.02E 0 4.0,3.9b
DJA I 19 07 18 09 2.59S 134.77E 2 4.5,3.9b ¶12081729
IDC Error ellipse: s-maj=78.3km s-min=23.0km az=78.0.
IDC I 19 07 26 13.1–3.9 1.76S 135.88E 0 3.4,3.2b ¶12081730

IDC Error ellipse: s-maj=179.6km s-min=29.7km az=80.0.
IDC I 19 07 41 03.5–2.4 0.56S 133.35E 0 3.6,3.4 ¶12081733

IDC Error ellipse: s-maj=98.6km s-min=24.8km az=79.0.
IDC I 19 10 28 51.2–2.7 0.94S 132.30E 0 3.8,3.7b ¶12081743

IDC Error ellipse: s-maj=184.3km s-min=23.9km az=71.0.
IDC I 19 11 35 31.0–13 0.89S 134.05E 0 3.5,3.3b ¶12081749

IDC Error ellipse: s-maj=207.0km s-min=125.3km az=149.0.
IDC I 19 11 36 16.0–1.9 0.64S 133.34E 0 3.9b,3.9
DJA I 19 11 36 20 0.70S 133.23E 15 3.8,3.9 ¶12081750
IDC Error ellipse: s-maj=78.4km s-min=22.4km az=75.0.
IDC I 19 13 14 13.1–15 2.88S 133.09E 0 3.4,3.3b ¶12081757

IDC Error ellipse: s-maj=228.0km s-min=134.3km az=151.0.
IDC I 19 13 31 34.7–1.9 0.77S 133.17E 0 3.6,3.5b ¶12081759

IDC Error ellipse: s-maj=80.8km s-min=23.1km az=75.0.
IDC I 19 16 33 29.2–2.9 0.59S 133.55E 0 3.3,3.2L ¶12081777

IDC Error ellipse: s-maj=151.2km s-min=26.0km az=75.0.
IDC I 19 18 15 52.4–2.5 0.49S 131.70E 0 3.8,3.6 ¶12081786

IDC Error ellipse: s-maj=119.9km s-min=24.5km az=76.0.
IDC I 19 18 29 13.9–.79 0.68S 133.08E 0 4.4L,4.2 ¶12081787

IDC Error ellipse: s-maj=38.0km s-min=11.4km az=76.0.
IDC I 19 19 23 01.9–1.8 0.67S 133.09E 0 4.0,3.9b ¶12081792

IDC Error ellipse: s-maj=78.2km s-min=22.7km az=74.0.
IDC I 19 22 25 18.2–2.3 0.20S 133.09E 0 3.5,3.4b ¶12081807

IDC Error ellipse: s-maj=149.1km s-min=20.9km az=76.0.
IDC I 19 23 29 24.2–15 0.73S 132.86E 0 4.1,4.0b ¶12081811

IDC Error ellipse: s-maj=229.1km s-min=98.5km az=163.0.
IDC I 20 01 05 37.2–1.2 1.42S 133.97E 0 3.9,3.7L
DJA I 20 01 05 39 0.93S 133.73E 16 4.0,3.7L ¶12081816
IDC Error ellipse: s-maj=54.5km s-min=21.0km az=84.0.
ISC I 20 04 32 32.4–.79 2.99S–.09 136.8E–.20 32 3.8b 16 13-87
IDC I 20 04 32 28.1–1.5 2.91S 136.96E 0 4.5,4.4L ¶12081832
ISCJB I 20 04 32 30.5–.65 2.96S–.07 136.9E–.10 32 3.7b,3.6s
NEIC I 20 04 32 33.1–.56 2.96S 136.89E 35 4.1b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=64.2km s-min=22.6km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=8.3km az=164.1.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=8.9km az=84.0.
ISC I 20 05 32 13.3–.57 0.11S–.06 132.98E–.06 35 4.2b,3.5s 46 3-130
IDC I 20 05 32 08.0–.82 0.16S 132.93E 0 4.3,4.1 ¶12081836
ISCJB I 20 05 32 11.1–.41 0.09S–.04 132.97E–.05 33 4.1b,3.5s
NEIC I 20 05 32 13.1–.31 0.21S 132.89E 35 4.3b,3.5s
DJA I 20 05 32 14.4–.60 0S–5.0 133E–3.0 47–14 5.2b,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC I 20 05 43 11.1–3.2 0.52S 133.63E 0 3.4,3.3L ¶12081837

IDC Error ellipse: s-maj=168.6km s-min=26.6km az=75.0.
IDC I 20 07 05 03.1–2.8 0.31S 133.52E 0 3.6,3.4
¶12081844

IDC Error ellipse: s-maj=143.1km s-min=25.9km az=75.0.
IDC I 20 07 25 06.1–2.6 0.85S 130.68E 0 3.8,3.7L
¶12081846

IDC Error ellipse: s-maj=130.3km s-min=27.2km az=74.0.
IDC I 20 07 35 03.9–3.3 0.04S 133.28E 0 3.2L,3.2
¶12081847

IDC Error ellipse: s-maj=180.4km s-min=27.6km az=74.0.
IDC I 20 09 04 07.6–2.1 0.66S 133.19E 0 3.6,3.5L
¶12081854

IDC Error ellipse: s-maj=94.9km s-min=22.3km az=79.0.

ISC	**I**	**20 09 53 33.4–.40**	**0.76S–.04**	**133.29E–.04**	**35–1**	**4.9b,4.1s**	**205**	**2-153**
IDC	I	20 09 53 27.6–.60	0.73S	133.32E	0	4.6,4.5b		¶11613343
BJI	I	20 09 53 28.1	1.26S	133.32E	35	5.2b,4.9s		
MOS	I	20 09 53 31.2–1.1	0.69S	133.20E	33	5.1b,4.9s		
ISCJB	I	20 09 53 32.6–.72	0.73S–.03	133.27E–.03	45–7	4.7b,4.1s		
DJA	I	20 09 53 32	0.71S	133.36E	20	5.1b,4.1s		
NEIC	I	20 09 53 33.2–.34	0.68S	133.31E	35	4.8b,4.1s		

ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=11.1km az=82.0.
MOS Error ellipse: s-maj=17.5km s-min=6.9km az=116.3.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.8km az=28.7.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=5.9km az=70.0. Felt [III] at Manokwari.

IDC	**I**	**20 13 00 01.8–2.0**	**0.39S**	**132.86E**	**0**	**4.1,4.0L**		
DJA	I	20 13 00 04	0.05S	132.98E	39	4.7b,4.0L		¶12081868

IDC Error ellipse: s-maj=71.6km s-min=20.4km az=68.0.
IDC I 20 16 35 29.9–1.2 0.43S 131.77E 0 3.8,3.6L
DJA I 20 16 35 32 0.38S 131.78E 10 4.0,3.6L ¶12081877
IDC Error ellipse: s-maj=81.0km s-min=22.8km az=78.0.
IDC I 20 19 19 51.6–2.8 0.07S 133.15E 0 3.3,3.2
¶12081892

IDC Error ellipse: s-maj=141.9km s-min=27.2km az=74.0.
IDC I 20 20 11 50.0–5.1 0.67S 131.32E 0 3.5,3.4b
¶12081896

IDC Error ellipse: s-maj=354.1km s-min=26.9km az=72.0.
IDC I 20 21 36 54.0–5.1 0.49S 131.79E 0 3.6,3.4b
DJA I 20 21 36 57 0.11S 132.75E 79 3.8,3.4b ¶12081900
IDC Error ellipse: s-maj=333.9km s-min=27.5km az=73.0.
IDC I 20 22 33 17.7–2.8 0.81S 133.16E 0 3.2,3.2
¶12081904

IDC Error ellipse: s-maj=146.6km s-min=26.2km az=75.0.
IDC I 20 22 36 40.0–2.9 0.61S 133.51E 0 3.2,3.2
¶12081905

IDC Error ellipse: s-maj=146.1km s-min=26.4km az=75.0.
IDC I 21 00 07 55.6–2.7 0.14S 132.94E 0 3.8,3.6b
¶12081913

IDC Error ellipse: s-maj=139.9km s-min=26.9km az=74.0.
IDC I 21 00 20 04.0–1.1 0.65S 133.45E 0 4.1L,4.0
DJA I 21 00 20 09 0.78S 133.25E 15 4.0,4.0 ¶12081916
IDC Error ellipse: s-maj=56.0km s-min=14.8km az=83.0.
IDC I 21 00 37 19.8–2.7 0.50S 132.50E 0 3.4,3.3L
¶12081917

IDC Error ellipse: s-maj=135.9km s-min=28.9km az=73.0.
IDC I 21 02 29 18.5–1.5 0.51S 133.58E 0 4.0,3.8L
DJA I 21 02 29 23 0.70S 133.21E 13 3.9,3.8L ¶12081927
IDC Error ellipse: s-maj=78.8km s-min=18.0km az=78.0.

ISC	**I**	**21 03 40 53.5–.91**	**0.24S–.09**	**132.9E–.30**	**32**	**4.0b**	**21**	**19-130**
IDC	I	21 03 40 48.8–1.1	0.23S	133.00E	0	4.3L,4.2		¶12081934
ISCJB	I	21 03 40 52.0–.80	0.31S–.09	132.8E–.30	32	4.0b,4.2		
NEIC	I	21 03 40 54.1–.57	0.29S	132.92E	35	4.2b,4.2		

ISC Event type ke.
IDC Error ellipse: s-maj=60.3km s-min=13.3km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=38.7km s-min=11.6km az=170.4.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=8.6km az=80.0.
IDC I 21 04 04 44.0–2.4 0.21S 133.08E 0 3.6,3.4
¶12081938

IDC Error ellipse: s-maj=97.1km s-min=24.7km az=78.0.
IDC I 21 05 28 58.3–2.8 0.17S 133.04E 0 3.8,3.6L
¶12081950

IDC Error ellipse: s-maj=123.5km s-min=24.5km az=78.0.
IDC I 21 05 48 36.4–1.2 0.56S 133.61E 0 3.7,3.5L
¶12081951

IDC Error ellipse: s-maj=55.9km s-min=20.7km az=86.0.

ISC	**I**	**21 07 49 45.6–.55**	**0.47S–.06**	**132.85E–.06**	**32**	**4.3b,3.6s**	**50**	**2-86**
IDC	I	21 07 49 40.5–.69	0.53S	132.83E	0	4.5,4.4		¶11615826
ISCJB	I	21 07 49 43.3–.42	0.44S–.05	132.97E–.06	32	4.3b,3.7s		
NEIC	I	21 07 49 45.8–.34	0.51S	132.90E	35	4.5b,3.7s		
DJA	I	21 07 49 49	0.61S	132.80E	41	5.0b,3.7s		

ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=11.2km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.6km az=165.9.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.8km az=70.0.
IDC I 21 10 26 08.4–3.5 0.05N 133.69E 0 3.8,3.6b
¶12081960

IDC Error ellipse: s-maj=186.5km s-min=26.4km az=75.0.

ISC	**I**	**21 13 09 21.1–1.4**	**0.5S–.10**	**132.9E–.10**	**33**	**4.0b**	**12**	**2-86**
IDC	I	21 13 09 15.5–.78	0.58S	132.95E	0	4.3L,4.2		¶12081971
ISCJB	I	21 13 09 19.0–.66	0.42S–.07	133.08E–.09	33	4.0b,3.7s		
DJA	I	21 13 09 24	0.58S	132.74E	78	4.4,3.7s		

ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=11.9km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=9.8km az=2.4.
IDC I 21 13 45 29.1–2.6 0.65S 133.36E 0 3.6,3.4L
¶12081973

IDC Error ellipse: s-maj=97.4km s-min=27.3km az=79.0.
IDC I 22 00 50 07.2–2.7 0.34S 133.00E 0 3.5,3.3L
¶12082017

IDC Error ellipse: s-maj=142.8km s-min=26.3km az=74.0.
IDC I 22 01 12 54.8–2.5 0.20S 132.80E 0 3.6,3.5L
¶12082018

IDC Error ellipse: s-maj=122.1km s-min=20.8km az=78.0.
IDC I 22 02 06 22.3–2.4 0.48S 132.99E 0 3.9,3.8L
DJA I 22 02 06 28 0.65S 132.75E 10 4.0,3.8L ¶12082023
IDC Error ellipse: s-maj=98.5km s-min=24.4km az=78.0.

ISC	**I**	**22 07 20 18.3–.28**	**0.40S–.03**	**132.89E–.04**	**32**	**4.8b,4.1s**	**161**	**2-153**
IDC	I	22 07 20 13.5–.49	0.34S	132.65E	0	4.7,4.6L		¶13433917
BJI	I	22 07 20 15.0	0.20S	132.90E	35	4.9b,4.7s		
ISCJB	I	22 07 20 16.7–.23	0.30S–.03	132.88E–.03	32	4.8b,4.1s		
DJA	I	22 07 20 16	0.41S	132.94E	10	5.1b,4.1s		
NEIC	I	22 07 20 18.6–.21	0.33S	132.81E	35	4.9b,4.1s		
TEH	I	22 07 20 19.0	0.35S	132.83E	35	4.8L,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=9.5km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=6.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.0km az=65.0.
IDC I 22 11 16 47.0–3.6 0.70S 131.01E 0 3.4b,3.4
¶12082048

IDC Error ellipse: s-maj=243.5km s-min=26.7km az=72.0.
IDC I 22 12 10 55.6–1.2 0.72S 132.88E 0 4.1b,4.1
DJA I 22 12 10 57 0.56S 133.13E 10 4.0,4.1 ¶12082051
IDC Error ellipse: s-maj=53.6km s-min=14.1km az=76.0.
IDC I 22 14 39 12.2–1.9 0.46S 131.57E 0 3.7,3.7s
¶12082061

IDC Error ellipse: s-maj=107.1km s-min=15.7km az=78.0.
IDC I 22 16 31 14.5–8.0 1.77S 136.04E 0 3.6,3.5b
¶12082067

IDC Error ellipse: s-maj=114.8km s-min=77.0km az=175.0.
IDC I 22 21 23 17.2–3.1 0.85S 133.35E 0 3.4,3.3L
¶12082078

IDC Error ellipse: s-maj=161.2km s-min=26.6km az=75.0.
IDC I 23 07 45 13.7–2.6 1.26S 133.53E 0 3.8L,3.8
¶12082109

IDC Error ellipse: s-maj=96.3km s-min=27.1km az=79.0.
IDC I 23 12 05 45.3–2.2 0.28S 132.44E 0 3.8b,3.8
DJA I 23 12 05 47 0.96S 131.27E 135 3.5,3.8 ¶12082120
IDC Error ellipse: s-maj=115.4km s-min=20.6km az=79.0.
IDC I 23 13 58 07.5–12 0.94S 133.05E 0 4.1,4.0b
¶12082134

IDC Error ellipse: s-maj=179.0km s-min=78.8km az=166.0.
IDC I 23 14 48 15.6–3.8 0.65S 131.19E 0 3.4,3.3b
¶12082138

IDC Error ellipse: s-maj=254.4km s-min=27.5km az=72.0.
IDC I 23 15 25 08.8–2.7 0.15S 132.74E 0 3.8,3.7b
DJA I 23 15 25 06 0.21N 131.48E 120 3.8,3.7b ¶12082143
IDC Error ellipse: s-maj=145.4km s-min=25.1km az=74.0.
IDC I 23 19 34 02.0–7.4 0.97S 133.56E 0 3.4,3.2
DJA I 23 19 34 05 0.75S 134.11E 97 3.8,3.2 ¶12082158
IDC Error ellipse: s-maj=432.6km s-min=26.3km az=76.0.
IDC I 23 20 21 52.5–2.2 0.61S 133.13E 0 3.8b,3.8
DJA I 23 20 21 59 0.83S 132.54E 188 3.8,3.8 ¶12082162
IDC Error ellipse: s-maj=122.3km s-min=23.9km az=72.0.
IDC I 24 02 24 50.9–14 0.69S 133.37E 0 4.3s,4.3
¶12082180

IDC Error ellipse: s-maj=210.0km s-min=120.3km az=159.0.

ISC	**I**	**24 06 41 55.6–1.0**	**0.6S–.10**	**133.4E–.20**	**28**	**4.1b**	**17**	**16-86**
IDC	I	24 06 41 51.3–1.3	0.67S	133.50E	0	4.0,3.9L		¶12082198
ISCJB	I	24 06 41 53.9–.82	0.73S–.07	133.3E–.20	28	3.9b,3.6s		
NEIC	I	24 06 41 56.6–.67	0.67S	133.38E	35	3.9b,3.6s		
DJA	I	24 06 41 58	0.66S	133.27E	56	4.3b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=64.4km s-min=16.2km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=28.3km s-min=10.0km az=171.9.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=10.1km az=79.0.
IDC I 24 12 30 38.1–1.8 0.09S 133.13E 0 3.8,3.7L
DJA I 24 12 30 45 0.45S 132.85E 10 4.0,3.7L ¶12082216
IDC Error ellipse: s-maj=120.6km s-min=19.0km az=73.0.
IDC I 24 13 17 30.4–2.0 0.01N 133.59E 0 3.9,3.8b
¶12082225

IDC Error ellipse: s-maj=119.8km s-min=21.4km az=73.0.

ISC	**I**	**24 13 41 08.1–.49**	**0.51S–.05**	**132.97E–.06**	**31–3**	**5.0b,4.5s**	**182**	**2-153**
IDC	I	24 13 41 03.3–.54	0.53S	132.78E	0	4.7,4.6		¶11617203
BJI	I	24 13 41 03.2	0.86S	132.94E	26	5.1b,5.0s		
NEIC	I	24 13 41 06.9–.20	0.51S	132.91E	27	5.2b,5.0s		
ISCJB	I	24 13 41 07.3–.74	0.55S–.04	132.97E–.04	44–7	4.9b,4.5s		
DJA	I	24 13 41 10	0.50S	132.92E	41	5.0b,4.5s		

ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=10.5km az=73.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.1km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.1km az=140.1.
IDC I 24 14 38 36.2–13 0.74S 133.81E 0 3.7b,3.7
¶12082232

IDC Error ellipse: s-maj=198.6km s-min=85.6km az=171.0.
IDC I 24 16 07 17.2–11 1.66S 132.78E 0 3.6b,3.6
¶12082235

IDC Error ellipse: s-maj=182.9km s-min=130.8km az=131.0.
IDC I 24 19 55 39.0–2.5 0.44S 133.74E 0 3.5,3.5s
¶12082245

IDC Error ellipse: s-maj=98.6km s-min=24.8km az=79.0.

ISC	**I**	**24 21 17 07.8–1.4**	**0.6S–.10**	**132.8E–.10**	**33**	**3.9b**	**9**	**2-65**
IDC	I	24 21 17 02.6–1.6	0.45S	132.81E	0	4.0,3.9L		¶12082251
DJA	I	24 21 17 03	0.29S	132.94E	10	4.6b,3.9L		

ISC Event type ke.
IDC Error ellipse: s-maj=83.5km s-min=22.8km az=68.0.
IDC I 25 00 45 49.9–2.9 0.13S 133.13E 0 3.5,3.4L
¶12082265

IDC Error ellipse: s-maj=137.5km s-min=29.1km az=74.0.
IDC I 25 03 04 14.6–1.4 1.61S 133.06E 0 3.9,3.7L
¶12082277

IDC Error ellipse: s-maj=67.9km s-min=25.7km az=83.0.
IDC I 25 04 57 19.1–1.7 0.38S 133.07E 0 4.0,4.0s
DJA I 25 04 57 40 1.60S 131.96E 10 4.0,4.0s ¶12082281
IDC Error ellipse: s-maj=66.0km s-min=24.4km az=71.0.
IDC I 25 05 15 07.8–4.7 0.67S 131.17E 0 3.6L,3.3
¶12082284

IDC Error ellipse: s-maj=328.1km s-min=26.0km az=72.0.
IDC I 25 07 30 20.1–3.2 0.54S 133.44E 0 3.7L,3.5
DJA I 25 07 30 22 0.38S 132.82E 10 3.8,3.5 ¶12082292
IDC Error ellipse: s-maj=161.7km s-min=29.6km az=75.0.
IDC I 25 11 17 07.8–1.3 0.62S 132.64E 0 3.7,3.6L
¶12082298

IDC Error ellipse: s-maj=62.8km s-min=23.2km az=87.0.
IDC I 25 15 58 23.2–2.1 0.14S 133.08E 0 3.8,3.7L
¶12082316

IDC Error ellipse: s-maj=119.4km s-min=23.0km az=72.0.
IDC I 25 16 12 35.9–2.8 0.16S 133.02E 0 3.4,3.3L
¶12082318

IDC Error ellipse: s-maj=140.3km s-min=27.1km az=74.0.
IDC I 26 01 30 24.9–2.4 0.46S 132.90E 0 3.8,3.6L
¶12082339

IDC Error ellipse: s-maj=94.3km s-min=20.8km az=78.0.
IDC I 26 05 01 28.1–2.2 0.49S 131.84E 0 3.7,3.7b
¶12082353

IDC Error ellipse: s-maj=124.5km s-min=20.4km az=77.0.

ISC	**I**	**26 15 07 58.2–1.2**	**0.6S–.10**	**133.23E–.09**	**28**		**11**	**2-65**
IDC	I	26 15 07 53.2–2.4	0.59S	133.11E	0	4.0,3.9L		¶12082380
DJA	I	26 15 07 58	0.49S	133.28E	90	4.4,3.9L		

ISC Event type ke.
IDC Error ellipse: s-maj=95.4km s-min=25.2km az=78.0.

ISC	**I**	**26 16 04 23.1–.55**	**0.48S–.09**	**134.2E–.10**	**32**	**4.3b,3.6s**	**45**	**15-152**
IDC	I	26 16 04 18.4–.71	0.45S	134.05E	0	4.2,4.1b		¶12082386
ISCJB	I	26 16 04 20.9–.43	0.56S–.06	134.1E–.10	32	4.3b,3.8s		
DJA	I	26 16 04 21	0.53S	133.98E	10	4.8b,3.8s		
NEIC	I	26 16 04 23.6–.41	0.52S	134.06E	35	4.5b,3.8s		

ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=14.4km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=7.0km az=157.5.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=6.9km az=65.0.
IDC I 26 19 56 34.0–4.3 0.64S 131.48E 0 3.9b,3.8
¶12082403

IDC Error ellipse: s-maj=309.1km s-min=22.5km az=73.0.
IDC I 26 20 49 34.4–2.0 0.50S 133.23E 0 3.8,3.7L
¶12082410

IDC Error ellipse: s-maj=79.2km s-min=24.8km az=75.0.
IDC I 27 00 05 12.4–2.5 0.29S 132.29E 0 3.4L,3.4
¶12082429

IDC Error ellipse: s-maj=155.1km s-min=23.4km az=74.0.
IDC I 27 18 40 56.4–3.0 4.91S 134.99E 0 3.8L,3.8
¶12082506

IDC Error ellipse: s-maj=116.7km s-min=15.0km az=85.0.
IDC I 27 20 46 41.1–2.6 0.08S 133.56E 0 3.5,3.4b
¶12082513

IDC Error ellipse: s-maj=146.4km s-min=23.5km az=75.0.

ISC	**I**	**28 01 34 31.5–.30**	**2.96S–.03**	**136.51E–.04**	**45–2**	**5.1b,4.7s**	**383**	**2-161**
MOS	I	28 01 34 28.6–.97	2.96S	136.43E	33	5.3b,4.9s		¶11656145
BJI	I	28 01 34 28.9	2.91S	136.78E	44	5.4b,5.2b		
ISCJB	I	28 01 34 29.5–.58	2.94S–.03	136.55E–.03	39–5	5.1b,4.7s		
DJA	I	28 01 34 29	2.83S	136.50E	10	5.4b,4.7s		
IDC	I	28 01 34 30.8–2.5	2.87S	136.54E	33–19	4.7,4.7b		
NEIC	I	28 01 34 33.0–1.0	2.93S	136.59E	56–9	5.2b,4.7b		

ISC Event type se.

MOS Error ellipse: s-maj=12.0km s-min=5.8km az=109.6.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=147.1.
IDC Error ellipse: s-maj=17.7km s-min=9.9km az=78.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.6km az=59.0.
IDC I 28 09 05 20.2–3.2 0.58S 132.50E 0 3.8,3.7L
¶12082557

IDC Error ellipse: s-maj=209.0km s-min=27.6km az=72.0.
IDC I 28 12 26 38.9–1.4 0.52S 133.52E 0 3.8,3.7L
DJA I 28 12 26 36 0.41S 133.56E 10 4.9b,3.7L **¶12082568**
IDC Error ellipse: s-maj=83.6km s-min=24.6km az=82.0.
ISC I 28 17 48 36.1–.72 0.71S–.07 132.4E–.20 33 4.0b 31 19-87
IDC I 28 17 48 30.6–.82 0.46S 132.80E 0 4.5L,4.2 **¶12082599**
ISCJB I 28 17 48 34.3–.58 0.67S–.06 132.4E–.10 33 4.0b,3.4s
NEIC I 28 17 48 35.8–.47 0.51S 132.78E 35 4.2b,3.4s
DJA I 28 17 48 37 0.67S 132.57E 10 4.5,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=14.5km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=7.6km az=171.3.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=6.7km az=74.0.
IDC I 28 20 49 22.3–1.3 0.58S 134.21E 0 3.7,3.6L
¶12082610

IDC Error ellipse: s-maj=58.3km s-min=22.9km az=90.0.
IDC I 28 23 32 19.8–2.8 0.65S 133.91E 0 3.8L,3.8
¶12082619

IDC Error ellipse: s-maj=110.2km s-min=26.9km az=80.0.
IDC I 28 23 49 52.0–1.2 0.23S 133.44E 0 3.9,3.7L
¶12082621

IDC Error ellipse: s-maj=60.1km s-min=21.3km az=86.0.
ISC I 28 23 50 11.2–.81 0.4S–.10 133.3E–.20 28 3.9b 19 19-86
IDC I 28 23 50 07.0–1.1 0.34S 133.39E 0 4.1,4.1L **¶12082622**
ISCJB I 28 23 50 09.4–.71 0.40S–.08 133.2E–.20 28 3.8b,3.3s
NEIC I 28 23 50 12.1–.58 0.40S 133.31E 35 3.9b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=17.9km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=28.4km s-min=10.5km az=166.3.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=8.9km az=73.0.
ISC I 29 02 33 32.2–.91 0.89S–.09 133.2E–.30 35 3.9b 21 19-87
IDC I 29 02 33 27.1–1.1 0.70S 133.36E 0 4.0L,4.0 **¶12082631**
ISCJB I 29 02 33 30.5–.77 0.81S–.07 133.1E–.30 33 3.8b,4.0
NEIC I 29 02 33 32.5–.57 0.75S 133.21E 35 4.1b,4.0
DJA I 29 02 33 33 0.66S 133.24E 75 4.2,4.0
ISC Event type se.
IDC Error ellipse: s-maj=61.9km s-min=19.2km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=37.6km s-min=8.4km az=170.7.
NEIC Event type se. Error ellipse: s-maj=29.3km s-min=7.9km az=79.0.
IDC I 29 09 53 24.9–2.8 0.62S 133.03E 0 3.5L,3.5
¶12082659

IDC Error ellipse: s-maj=144.7km s-min=26.0km az=74.0.
IDC I 29 10 50 03.7–16 0.30S 133.15E 0 3.6b,3.6
¶12082661

IDC Error ellipse: s-maj=246.4km s-min=126.7km az=160.0.
IDC I 29 15 54 08.8–16 0.27S 133.22E 0 3.8,3.6b
¶12082673

IDC Error ellipse: s-maj=248.5km s-min=121.4km az=164.0.
IDC I 29 15 57 50.4–13 0.82S 133.22E 0 3.8,3.7b
¶12082674

IDC Error ellipse: s-maj=205.9km s-min=126.5km az=155.0.
IDC I 29 17 56 20.7–1.2 0.69S 133.68E 0 3.9L,3.8
¶12082682

IDC Error ellipse: s-maj=56.8km s-min=19.3km az=81.0.
IDC I 30 13 37 20.0–2.3 0.56S 132.99E 0 3.9,3.7b
¶12082740

IDC Error ellipse: s-maj=120.9km s-min=26.4km az=72.0.
ISC I 31 03 18 02.4–.37 0.81S–.04 133.49E–.06 19–1 4.8b,4.2s 164 2-148
IDC I 31 03 17 59.5–.65 0.68S 133.43E 0 4.7L,4.6 **¶11657488**
BJI I 31 03 18 01.6 0.70S 133.40E 18 5.1b,4.6b
ISCJB I 31 03 18 02.5–1.5 0.76S–.03 133.47E–.05 31–10 4.7b,4.1s
NEIC I 31 03 18 02.6–.23 0.70S 133.43E 19 4.8b,4.1s
DJA I 31 03 18 06 0.84S 133.28E 25 5.0b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=13.1km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.7km az=163.2.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.4km az=68.0.
ISC I 31 03 50 54.1–.85 0.98S–.07 132.8E–.10 35 4.0b 33 14-130
IDC I 31 03 50 46.8–.95 0.70S 133.54E 0 4.2,4.2L **¶12082785**
DJA I 31 03 50 50 0.65S 133.31E 11 4.6,4.2L
NEIC I 31 03 50 52.1–.48 0.73S 133.52E 35 4.4b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=13.0km az=81.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=7.3km az=81.0.
IDC I 31 05 00 36.4–3.0 0.47S 131.91E 0 4.0,3.9b
¶12082787

IDC Error ellipse: s-maj=209.8km s-min=24.1km az=71.0.
IDC I 31 14 04 03.0–2.9 0.08S 132.98E 0 3.7,3.6L
¶12082834

IDC Error ellipse: s-maj=158.0km s-min=26.1km az=74.0.
ISC I 31 15 03 44.5–.78 0.40S–.09 133.0E–.10 32 4.1b,3.5s 27 2-86
IDC I 31 15 03 39.7–.79 0.47S 132.97E 0 4.3,4.3L **¶12082837**
ISCJB I 31 15 03 42.4–.56 0.43S–.06 132.99E–.09 32 4.1b,3.5s
DJA I 31 15 03 47 0.58S 132.86E 61 4.6,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=39.0km s-min=11.6km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=7.7km az=168.4.
IDC I 31 21 01 43.9–2.2 0.25S 133.41E 0 3.7,3.6b
¶12082859

IDC Error ellipse: s-maj=124.9km s-min=23.8km az=72.0.
IDC II 01 04 06 01.2–4.9 0.74S 131.92E 0 3.8,3.7L
¶15954809

IDC Error ellipse: s-maj=321.1km s-min=26.5km az=73.0.
IDC II 01 08 48 41.1–1.9 0.52S 132.11E 0 4.1L,4.0
¶15954820

IDC Error ellipse: s-maj=107.8km s-min=12.9km az=78.0.
IDC II 01 12 53 04.7–1.2 0.65S 133.59E 0 3.9,3.9L
¶15954828

IDC Error ellipse: s-maj=75.2km s-min=21.9km az=80.0.
IDC II 01 15 39 06.8–1.0 0.85S 133.64E 0 4.0,3.9
DJA II 01 15 39 11 0.83S 133.32E 15 4.6,3.9 **¶12699341**
IDC Error ellipse: s-maj=39.3km s-min=13.2km az=81.0.
IDC II 01 16 47 50.8–2.9 0.39S 133.48E 0 3.7,3.5
¶15954835

IDC Error ellipse: s-maj=143.1km s-min=27.9km az=75.0.
IDC II 01 18 28 00.3–2.1 0.43S 132.90E 0 4.0,3.8
¶15954837

IDC Error ellipse: s-maj=119.5km s-min=23.7km az=72.0.
ISC II 01 21 52 47.8–.74 0.33S–.06 132.60E–.09 33 3.9b,3.5s 31 1-98
IDC II 01 21 52 43.0–1.0 0.20S 132.68E 0 4.2,4.0L **¶12699364**
ISCJB II 01 21 52 46.1–.54 0.26S–.04 132.54E–.07 33 3.9b,3.7s
DJA II 01 21 52 46 0.40S 132.43E 10 4.4,3.7s
NEIC II 01 21 52 48.0–.52 0.27S 132.59E 35 3.9b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=54.3km s-min=17.1km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.0km az=172.9.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=7.1km az=77.0.
IDC II 02 12 13 40.3–2.9 0.29S 133.17E 0 3.4,3.2
¶15954894

IDC Error ellipse: s-maj=150.1km s-min=26.1km az=74.0.
IDC II 02 14 55 45.9–3.5 1.05S 133.01E 0 3.8,3.7b
¶15954900

IDC Error ellipse: s-maj=117.3km s-min=29.5km az=89.0.
IDC II 03 03 50 27.5–1.7 0.58S 133.25E 0 4.0,3.8
DJA II 03 03 50 33 0.60S 132.73E 20 4.5,3.8 **¶12699441**

IDC Error ellipse: s-maj=85.7km s-min=15.5km az=78.0.
IDC II 03 06 27 16.1–2.2 0.09S 132.87E 0 4.0L,3.9
¶15954947

IDC Error ellipse: s-maj=122.7km s-min=24.2km az=71.0.
IDC II 03 14 24 55.2–2.7 0.56S 132.81E 0 3.4,3.3b
¶15954961

IDC Error ellipse: s-maj=139.8km s-min=26.0km az=74.0.
ISC II 03 15 37 25.0–.48 0.37S–.05 132.75E–.10 32 4.6b,3.6s 118 2-94
BJI II 03 15 37 18.9 0.86S 133.01E 35 4.9b,4.8s **¶11677787**
IDC II 03 15 37 20.5–.83 0.19S 132.69E 0 4.4,4.3
ISCJB II 03 15 37 23.2–.34 0.25S–.04 132.70E–.07 32 4.5b,3.9s
MOS II 03 15 37 24.3–1.1 0.27S 132.60E 40 4.5b,3.9s
NEIC II 03 15 37 25.6–.29 0.28S 132.58E 35 4.8b,3.9s
DJA II 03 15 37 30 0.46S 132.47E 91 4.6,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=14.7km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.8km az=168.9.
MOS Error ellipse: s-maj=24.6km s-min=8.3km az=114.4.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=4.3km az=68.0.
IDC II 03 18 18 26.9–2.4 0.85S 134.13E 0 4.0s,3.9
¶15954967

IDC Error ellipse: s-maj=76.1km s-min=21.7km az=75.0.
IDC II 03 21 03 42.8–2.6 0.66S 133.64E 0 3.9,3.8L
DJA II 03 21 03 48 0.74S 133.37E 21 4.2,3.8L **¶12699496**
IDC Error ellipse: s-maj=127.1km s-min=20.5km az=80.0.
ISC II 03 21 38 50.6–.86 0.2S–.10 133.4E–.20 35 3.8b 19 20-74
IDC II 03 21 38 46.6–1.6 0.17S 133.09E 0 4.1L,4.0 **¶12699497**
ISCJB II 03 21 38 48.2–.64 0.15S–.09 133.5E–.20 33 3.9b,4.0
NEIC II 03 21 38 50.5–.58 0.18S 133.42E 35 3.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=76.8km s-min=13.6km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=28.3km s-min=10.4km az=160.7.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=9.4km az=71.0.
IDC II 03 22 09 15.8–2.6 0.85S 133.60E 0 3.7,3.6
¶15954973

IDC Error ellipse: s-maj=132.2km s-min=25.5km az=75.0.
IDC II 03 22 19 42.6–1.0 0.30S 132.93E 0 4.3,4.3L
¶15954974

IDC Error ellipse: s-maj=48.4km s-min=16.2km az=76.0.
IDC II 04 07 24 35.8–2.2 0.49S 133.09E 0 4.0,3.8
¶15955003

IDC Error ellipse: s-maj=123.1km s-min=23.7km az=72.0.
IDC II 04 09 15 56.7–2.9 0.37S 132.56E 0 3.6,3.4
¶15955008

IDC Error ellipse: s-maj=156.7km s-min=26.1km az=74.0.
IDC II 04 13 09 47.3–2.7 1.34S 134.59E 0 3.7,3.7L
¶15955012

IDC Error ellipse: s-maj=123.8km s-min=26.5km az=77.0.
IDC II 05 00 39 18.7–6.9 0.44S 131.89E 0 3.5,3.4L
¶15955051

IDC Error ellipse: s-maj=463.1km s-min=26.1km az=73.0.
IDC II 05 12 53 23.8–3.1 0.04N 132.24E 0 3.3,3.2
¶15955069

IDC Error ellipse: s-maj=184.0km s-min=26.1km az=73.0.
IDC II 05 12 55 22.9–3.3 1.45S 136.21E 0 4.2,3.9
¶15955070

IDC Error ellipse: s-maj=145.1km s-min=27.1km az=80.0.
IDC II 05 14 57 58.6–2.7 0.33S 132.63E 0 3.3,3.2
¶15955074

IDC Error ellipse: s-maj=145.2km s-min=26.2km az=74.0.
ISC II 05 20 17 43.7–.94 0.56S–.08 132.8E–.20 32 4.3b 20 19-86
IDC II 05 20 17 38.7–1.0 0.27S 133.13E 0 4.0,3.9L **¶12699621**
ISCJB II 05 20 17 42.1–.76 0.46S–.06 132.8E–.10 32 3.7b,3.9L
DJA II 05 20 17 44 0.29S 133.07E 60 4.4,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=44.4km s-min=16.8km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=7.0km az=169.5.
IDC II 05 23 14 53.1–2.7 0.71S 133.20E 0 3.7,3.5
¶15955088

IDC Error ellipse: s-maj=134.9km s-min=25.9km az=75.0.
IDC II 06 02 06 00.5–2.1 0.80S 133.13E 0 4.1,4.0L
¶15955123

IDC Error ellipse: s-maj=110.4km s-min=24.3km az=72.0.
IDC II 06 04 38 17.1–1.3 0.77S 133.64E 0 3.8,3.6
DJA II 06 04 38 15 0.42S 133.44E 10 4.9b,3.6 **¶12699643**
IDC Error ellipse: s-maj=58.0km s-min=22.8km az=88.0.
IDC II 06 06 22 40.3–4.5 0.66S 134.26E 0 3.6,3.6L
¶15955129

IDC Error ellipse: s-maj=236.8km s-min=28.0km az=77.0.
IDC II 06 06 28 48.3–14 1.02S 133.09E 0 3.9,3.8b
¶15955130

IDC Error ellipse: s-maj=225.2km s-min=144.8km az=139.0.
IDC II 06 14 17 52.9–2.2 0.39S 133.20E 0 3.5,3.4
¶15955143

IDC Error ellipse: s-maj=119.9km s-min=23.8km az=72.0.
IDC II 06 14 29 17.3–2.0 0.44S 132.52E 0 4.0,3.8
¶15955145

IDC Error ellipse: s-maj=95.5km s-min=19.8km az=66.0.
IDC II 06 15 32 28.8–2.2 0.43S 133.05E 0 4.7s,4.7
¶15955148

IDC Error ellipse: s-maj=116.4km s-min=25.8km az=72.0.
IDC II 06 17 56 05.1–2.8 0.31S 133.43E 0 3.7L,3.6
¶15955151

IDC Error ellipse: s-maj=132.3km s-min=28.8km az=75.0.
IDC II 06 21 32 59.8–1.3 0.65S 133.76E 0 3.8,3.8L
DJA II 06 21 33 02 0.72S 133.77E 2 4.0,3.8L **¶12699692**
IDC Error ellipse: s-maj=47.3km s-min=22.8km az=75.0.
ISC II 06 22 55 49.7–.79 0.77S–.09 133.35E–.09 29 4.3b,3.4s 18 2-101
IDC II 06 22 55 44.9–.92 0.86S 133.37E 0 4.4,4.3L **¶12699699**
ISCJB II 06 22 55 47.4–.85 0.75S–.08 133.46E–.08 29 4.1b,3.4s
DJA II 06 22 55 48 0.70S 133.11E 10 4.8,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=51.7km s-min=13.5km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=11.9km az=12.5.
IDC II 07 21 38 23.6–1.8 0.34S 132.85E 0 4.0,3.8
¶15955193

IDC Error ellipse: s-maj=61.2km s-min=24.4km az=69.0.
ISC II 07 21 56 07.5–.60 0.43S–.08 132.98E–.07 32 4.6b,3.7s 51 2-90
IDC II 07 21 56 02.8–.72 0.41S 133.06E 0 4.6,4.6L **¶11667411**
BJI II 07 21 56 04.0 1.27S 132.52E 38 5.0s,4.7b
ISCJB II 07 21 56 05.9–.49 0.45S–.05 132.93E–.06 32 4.6b,3.8s
DJA II 07 21 56 08 0.52S 132.80E 77 5.1,3.8s
NEIC II 07 21 56 08.2–.42 0.48S 132.96E 35 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=13.6km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=7.4km az=156.5.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.8km az=66.0.
IDC II 07 22 57 01.0–3.0 0.44S 133.22E 0 3.7,3.5
DJA II 07 22 57 07 0.62S 132.65E 135 3.9,3.5 **¶12699753**
IDC Error ellipse: s-maj=151.7km s-min=27.8km az=75.0.
IDC II 08 01 01 03.1–1.5 0.61S 133.02E 0 4.1,4.0b
DJA II 08 01 01 02 0.36S 133.40E 14 4.4,4.0b **¶12699758**
IDC Error ellipse: s-maj=53.2km s-min=18.2km az=76.0.
ISC II 08 12 35 14.2–.46 0.60S–.06 133.43E–.07 28 4.6b,3.6s 78 2-131
BJI II 08 12 35 05.6 1.24S 133.84E 15 5.0b,4.8b **¶12083013**
IDC II 08 12 35 10.1–.66 0.60S 133.37E 0 4.4,4.3L
ISCJB II 08 12 35 13.2–.33 0.61S–.04 133.29E–.05 28 4.4b,3.6s
NEIC II 08 12 35 15.7–.32 0.65S 133.31E 35 4.6b,3.6s
DJA II 08 12 35 16 0.71S 133.32E 36 4.8b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=13.5km az=78.0.

ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.7km az=163.4.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.9km az=69.0.
IDC II 09 03 00 42.9–3.8 1.55N 130.86E 0 3.7,3.6
¶15955286

IDC Error ellipse: s-maj=296.7km s-min=21.2km az=72.0.
ISC II 09 05 21 22.5–.66 0.40S–.06 132.51E–.09 32 4.2b,3.2s 43 1-86
IDC II 09 05 21 17.4–.84 0.18S 132.89E 0 4.2,4.1L **¶12083035**
DJA II 09 05 21 18 0.09S 133.04E 10 4.7,4.1L
ISCJB II 09 05 21 20.5–.52 0.25S–.05 132.68E–.10 32 4.1b,3.3s
NEIC II 09 05 21 22.6–.39 0.18S 132.92E 35 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=12.3km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=6.1km az=169.7.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=5.8km az=74.0.
IDC II 09 09 40 41.1–2.7 4.70S 136.29E 0 3.5,3.5b
¶15955295

IDC Error ellipse: s-maj=119.5km s-min=31.6km az=85.0.
IDC II 09 16 18 13.8–3.0 0.33S 132.95E 0 3.6,3.6L
¶15955307

IDC Error ellipse: s-maj=151.4km s-min=29.1km az=74.0.
ISC II 10 00 23 22.6–.81 0.86S–.07 133.2E–.20 35 4.0b 26 18-86
IDC II 10 00 23 16.6–1.0 0.78S 133.67E 0 4.1,4.1L **¶12699881**
ISCJB II 10 00 23 20.5–.64 0.81S–.06 133.2E–.20 33 3.9b,3.0s
DJA II 10 00 23 22 0.77S 133.55E 10 4.5,3.0s
NEIC II 10 00 23 22.3–.50 0.72S 133.54E 35 4.0b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=55.6km s-min=12.9km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=25.3km s-min=8.2km az=0.2.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=6.8km az=81.0.
ISC II 10 05 38 13.2–.76 0.86S–.07 133.9E–.20 27 4.1b 33 18-101
IDC II 10 05 38 09.1–.80 0.70S 133.97E 0 4.5L,4.2 **¶12699893**
ISCJB II 10 05 38 11.4–.62 0.79S–.06 133.9E–.20 27 4.0b,3.1s
DJA II 10 05 38 14 0.75S 133.91E 20 4.4,3.1s
NEIC II 10 05 38 14.3–.46 0.73S 133.95E 35 4.1b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=15.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=7.5km az=167.6.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=6.6km az=74.0.
IDC II 10 05 39 52.5–.92 0.67S 133.96E 0 4.1L,3.9
¶15955348

IDC Error ellipse: s-maj=46.8km s-min=17.8km az=69.0.
IDC II 10 05 44 57.1–2.7 0.10S 133.01E 0 3.7L,3.5
¶15955349

IDC Error ellipse: s-maj=156.2km s-min=23.1km az=75.0.
IDC II 10 12 05 55.0–1.9 0.74S 133.14E 0 4.2,4.1b
¶15955359

IDC Error ellipse: s-maj=80.6km s-min=23.3km az=75.0.
IDC II 10 13 19 17.1–3.3 0.36S 132.18E 66–30 3.9,3.9L
DJA II 10 13 19 18 0.52S 132.22E 106 4.5,3.9L **¶12699912**
IDC Error ellipse: s-maj=44.3km s-min=12.0km az=78.0.
IDC II 10 17 06 31.3–2.5 0.28S 132.61E 0 3.6,3.6b
¶15955364

IDC Error ellipse: s-maj=133.7km s-min=25.0km az=74.0.
IDC II 10 19 23 35.0–5.9 0.76S 132.04E 0 3.6,3.5b
¶15955369

IDC Error ellipse: s-maj=413.3km s-min=23.5km az=74.0.
ISC II 10 20 38 42.0–.40 0.69S–.04 133.28E–.05 20–2 4.6b,3.7s 180 2-151
BJI II 10 20 38 34.6 1.16S 133.50E 10 5.0b,4.7s **¶11670443**
IDC II 10 20 38 38.8–.53 0.71S 133.23E 0 4.6,4.5
ISCJB II 10 20 38 39.7–.28 0.60S–.03 133.35E–.05 17 4.5b,3.7s
MOS II 10 20 38 42.4–.89 0.64S 133.29E 38 4.8b,3.7s
NEIC II 10 20 38 42.8–3.3 0.66S 133.29E 28–24 4.6b,3.7s
DJA II 10 20 38 44 0.77S 133.18E 10 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=10.0km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.7km az=172.2.
MOS Error ellipse: s-maj=14.2km s-min=6.6km az=112.6.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.1km az=57.0.
IDC II 10 22 01 10.9–3.6 0.96S 130.26E 0 3.7,3.5
¶15955376

IDC Error ellipse: s-maj=263.2km s-min=27.0km az=71.0.
ISC II 11 01 04 44.5–.66 0.55S–.07 132.8E–.10 35 4.1b,3.3s 34 14-86
DJA II 11 01 04 35 0.32N 133.71E 63 4.9b,3.3s **¶12699945**
IDC II 11 01 04 39.3–.87 0.19S 133.21E 0 4.2,4.2L
ISCJB II 11 01 04 42.9–.48 0.43S–.05 132.8E–.10 33 4.1b,3.2s
NEIC II 11 01 04 44.9–.46 0.28S 133.03E 35 4.2b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=39.2km s-min=12.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=6.6km az=169.4.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=7.7km az=70.0.
ISC II 11 01 50 11.6–.40 0.57S–.04 133.24E–.06 35–1 4.9b,4.1s 214 2-161
IDC II 11 01 50 05.9–.54 0.62S 133.25E 0 4.8L,4.8 **¶11671848**
BJI II 11 01 50 06.5 0.93S 133.48E 38 5.1b,4.9b
ISCJB II 11 01 50 08.1–1.2 0.52S–.04 133.29E–.04 23–8 4.9b,4.2s
DJA II 11 01 50 12 0.60S 133.22E 37 5.1b,4.2s
NEIC II 11 01 50 12.3–1.3 0.58S 133.18E 45–13 4.9b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=10.6km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=6.1km az=145.9.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.4km az=59.0.
IDC II 12 10 57 24.0–1.1 0.70S 133.83E 0 4.2,4.1
¶15955685

IDC Error ellipse: s-maj=55.1km s-min=18.1km az=82.0.
ISC II 12 11 14 59.5–.64 0.79S–.08 133.89E–.09 27 4.1b 32 2-131
IDC II 12 11 14 55.7–.85 0.77S 133.90E 0 4.4,4.3L **¶12700244**
ISCJB II 12 11 14 57.8–.65 0.80S–.06 133.86E–.09 27 4.0b,4.3L
NEIC II 12 11 14 57.1–.47 0.77S 133.95E 10 4.1b,4.3L
DJA II 12 11 14 58 0.70S 133.65E 13 4.7,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=43.0km s-min=17.2km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=9.1km az=170.8.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=7.4km az=73.0.
ISC II 12 13 43 24.9–1.7 0.3S–.20 132.0E–.20 35 8 1-64
IDC II 12 13 43 20.9–2.6 0.49S 131.58E 0 4.4,4.3b **¶12700277**
DJA II 12 13 43 26 0.56S 132.20E 17 4.8,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=128.0km s-min=24.3km az=76.0.
IDC II 12 16 35 55.4–3.6 1.26S 133.18E 0 3.4,3.4
¶15955749

IDC Error ellipse: s-maj=249.7km s-min=27.3km az=71.0.
ISC II 13 04 45 27.0–.69 0.45S–.07 133.15E–.06 32 4.3b 41 2-86
IDC II 13 04 45 22.0–.86 0.52S 133.07E 0 4.2,4.1 **¶11672883**
ISCJB II 13 04 45 25.3–.46 0.42S–.05 133.20E–.06 32 4.1b,4.1
DJA II 13 04 45 25 0.51S 133.14E 10 4.8,4.1
NEIC II 13 04 45 27.4–.47 0.48S 133.17E 35 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=11.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=7.4km az=149.7.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=7.6km az=66.0.
IDC II 13 22 41 34.8–1.4 4.45S 133.48E 0 4.4L,4.1
¶15956009

IDC Error ellipse: s-maj=66.7km s-min=22.0km az=69.0.
ISC II 14 16 14 08.2–.93 0.8S–.10 134.88E–.07 35 4.1b 19 1-86
IDC II 14 16 14 03.2–.95 0.67S 135.24E 0 4.4,4.3L **¶12700678**
ISCJB II 14 16 14 06.7–.65 0.77S–.08 134.86E–.06 33 4.1b,3.4s
DJA II 14 16 14 14 1.19S 135.20E 10 4.7b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=38.5km s-min=16.5km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=8.2km az=178.3.
ISC II 14 16 56 19.1–1.0 4.41S–.07 133.63E–.10 35 3.3s 11 2-72
IDC II 14 16 56 18.5–1.8 4.43S 133.50E 0 4.0,3.9 **¶12700682**

DJA II 14 16 56 20.9–1.2 4S–3.0 134E–4.0 9–10 4.7b,4.4
ISC Event type ke.
IDC II 14 21 18 27.7–1.7 4.17S 133.23E 0 3.5,3.3
¶15956088

IDC Error ellipse: s-maj=90.9km s-min=25.7km az=66.0.
IDC II 14 23 02 14.5–5.2 0.51N 131.63E 0 3.5,3.2
¶15956097

IDC Error ellipse: s-maj=352.5km s-min=26.2km az=72.0.
IDC II 15 01 32 02.0–1.9 4.67S 133.72E 0 3.8,3.7
¶15956112

IDC Error ellipse: s-maj=65.8km s-min=26.5km az=73.0.
ISC II 15 07 15 35.3–.37 0.37S–.04 132.46E–.05 35–1 4.8b,4.4s 163 3-152
IDC II 15 07 15 29.3–.56 0.26S 132.46E 0 4.6,4.5 **¶11677886**
NEIC II 15 07 15 34.8–.28 0.30S 132.47E 35 4.7b,4.5
BJI II 15 07 15 34.3 0.30S 132.40E 35 5.1b,4.8b
ISCJB II 15 07 15 35.2–.94 0.45S–.04 132.45E–.05 55–8 4.7b,4.4s
DJA II 15 07 15 42 0.68S 132.33E 73 5.0b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=10.3km az=80.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.4km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.3km az=152.1.
IDC II 15 09 43 52.2–3.1 0.33S 136.47E 0 3.4,3.3
¶15956150

IDC Error ellipse: s-maj=123.3km s-min=30.7km az=79.0.
IDC II 15 18 31 59.9–2.7 0.05S 132.32E 0 3.7,3.7L
¶15956176

IDC Error ellipse: s-maj=201.1km s-min=20.3km az=72.0.
IDC II 15 21 13 30.0–2.3 0.10S 133.23E 0 3.9,3.8
¶15956183

IDC Error ellipse: s-maj=181.6km s-min=17.4km az=75.0.
IDC II 15 21 26 05.9–2.6 0.36S 132.60E 0 3.4,3.2
¶15956184

IDC Error ellipse: s-maj=135.6km s-min=26.7km az=74.0.
IDC II 15 23 04 46.3–1.6 0.62S 133.17E 0 3.8,3.7
¶15956187

IDC Error ellipse: s-maj=85.9km s-min=18.4km az=76.0.
IDC II 16 00 47 53.2–3.0 4.28S 133.36E 0 3.9,3.9L
¶15956231

IDC Error ellipse: s-maj=131.2km s-min=29.0km az=80.0.
IDC II 16 04 13 47.8–2.2 0.12S 134.04E 0 4.1,4.0L
¶15956240

IDC Error ellipse: s-maj=118.7km s-min=23.8km az=73.0.
ISC II 16 06 17 01.0–1.1 4.50S–.07 133.7E–.10 21 3.7b,3.5s 15 1-90
ISCJB II 16 06 16 59.4–.99 4.43S–.07 133.7E–.10 21 3.7b,3.5s **¶12700876**
IDC II 16 06 17 00.5–1.2 4.56S 133.16E 0 4.3,4.0L
DJA II 16 06 17 12.4–1.2 4S–6.0 133E–12 17–17 4.5b,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC II 16 07 38 06.5–5.4 4.70S 132.50E 0 4.1,3.9
¶15956255

IDC Error ellipse: s-maj=348.0km s-min=30.2km az=75.0.
ISC II 16 10 55 02.6–.57 3.54S–.06 135.56E–.05 22 4.0b 37 2-148
IDC II 16 10 54 59.8–.84 3.33S 135.72E 0 4.2,4.0L **¶12700894**
ISCJB II 16 10 55 01.3–.39 3.53S–.04 135.52E–.04 22 3.9b,3.4s
NEIC II 16 10 55 04.9–.63 3.50S 135.43E 35 4.1b,3.4s
DJA II 16 10 55 05 3.24S 135.47E 20 4.3,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=54.4km s-min=17.8km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=5.3km az=173.4.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.6km az=66.0.
IDC II 16 14 09 49.6–4.9 0.70S 131.57E 0 3.6,3.4
¶15956272

IDC Error ellipse: s-maj=333.0km s-min=25.6km az=73.0.
DJA II 16 15 29 03.3–2.1 0S–19 132E–6.0 10 5.1b,4.5
¶15821861

IDC II 16 16 36 45.0–2.4 0.18S 132.95E 0 3.4,3.4L
¶15956291

IDC Error ellipse: s-maj=100.6km s-min=24.7km az=78.0.
ISC II 16 16 39 25.9–.69 3.66S–.05 131.44E–.06 24 4.0b 21 1-90
IDC II 16 16 39 23.9–.95 3.85S 131.15E 0 4.1,3.9 **¶12700923**
ISCJB II 16 16 39 24.8–.46 3.71S–.04 131.47E–.05 24 3.9b,3.2s
DJA II 16 16 39 28 3.45S 131.44E 10 4.1,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=17.4km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.1km az=38.9.
ISC II 16 17 25 03.3–1.7 4.34S–.06 134.1E–.10 21 13 2-28
DJA II 16 17 24 57.0–1.5 4S–5.0 134E–11 10 5.5b,4.9 **¶12700928**
IDC II 16 17 25 13.2–3.7 5.14S 133.63E 0 4.2,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=62.3km s-min=27.8km az=103.0.
IDC II 16 21 55 14.3–2.8 0.19S 132.93E 0 3.3,3.3L
¶15956310

IDC Error ellipse: s-maj=148.3km s-min=26.7km az=74.0.
IDC II 16 21 59 02.3–2.4 0.19S 132.81E 0 3.7L,3.6
¶15956311

IDC Error ellipse: s-maj=138.8km s-min=22.8km az=74.0.
IDC II 17 07 58 25.7–2.6 0.40S 136.49E 0 3.6,3.5b
¶15956394

IDC Error ellipse: s-maj=112.6km s-min=27.9km az=76.0.
IDC II 17 14 12 50.1–16 0.04N 133.37E 0 4.0,4.0b
¶15956419

IDC Error ellipse: s-maj=245.4km s-min=85.1km az=170.0.
ISC II 17 18 31 47.6–.81 0.43S–.06 132.94E–.05 32 3.7b 24 2-86
IDC II 17 18 31 42.8–.92 0.45S 133.01E 0 4.0,4.0L **¶12701042**
ISCJB II 17 18 31 45.8–.61 0.43S–.05 132.94E–.04 32 3.8b,4.0L
DJA II 17 18 31 48.5–.60 0S–4.0 133E–3.0 62–13 5.2b,5.0b
ISC Event type ke.
ISCJB Event type ke.
IDC II 17 21 37 23.1–2.2 0.67S 132.59E 0 3.8,3.7b
¶15956445

IDC Error ellipse: s-maj=127.5km s-min=22.9km az=74.0.
IDC II 17 22 44 06.0–2.8 0.14S 133.31E 0 3.5,3.3
¶15956448

IDC Error ellipse: s-maj=136.6km s-min=28.3km az=74.0.
IDC II 18 15 19 12.3–2.9 0.11S 132.96E 0 3.3,3.2
¶15956569

IDC Error ellipse: s-maj=142.4km s-min=29.4km az=74.0.
IDC II 18 20 42 59.5–7.7 0.27S 133.00E 0 3.4,3.3
¶15956585

IDC Error ellipse: s-maj=470.9km s-min=29.5km az=74.0.
IDC II 18 20 50 19.6–1.8 0.63S 133.38E 0 3.7,3.6
¶15956587

IDC Error ellipse: s-maj=92.4km s-min=19.3km az=76.0.
IDC II 18 21 44 03.4–1.8 0.93S 133.20E 0 4.0,3.9
¶15956593

IDC Error ellipse: s-maj=54.6km s-min=23.2km az=74.0.
IDC II 18 21 48 43.6–1.3 0.78S 132.82E 0 4.0,3.9L
¶15956594

IDC Error ellipse: s-maj=57.0km s-min=15.3km az=76.0.
IDC II 19 01 24 55.2–2.4 2.61S 136.69E 0 3.8,3.6
¶15956679

IDC Error ellipse: s-maj=94.4km s-min=22.9km az=88.0.
IDC II 19 02 16 35.2–1.9 0.30S 132.42E 0 3.9,3.7
¶15956681

IDC Error ellipse: s-maj=79.4km s-min=24.1km az=74.0.
IDC II 19 06 39 09.2–4.9 0.63S 131.52E 0 3.6,3.5b
¶15956692

IDC Error ellipse: s-maj=331.5km s-min=27.6km az=72.0.
ISC II 19 08 57 17.3–.80 4.89S–.06 133.46E–.08 25 3.9b,3.8s 16 1-90
IDC II 19 08 57 13.1–1.2 4.81S 133.55E 0 4.0L,4.0 **¶11687978**
DJA II 19 08 57 25 4.43S 132.25E 134 4.9b,4.0

ISC Event type ke.
IDC Error ellipse: s-maj=53.3km s-min=22.5km az=74.0.
ISC II 19 12 57 44.7–1.0 0.50S–.08 131.35E–.08 35 3.5b 9 0-64
IDC II 19 12 57 38.9–3.0 0.56S 131.94E 0 4.3s,4.3 ¶12701247
DJA II 19 12 57 41.0–.90 0S–6.0 131E–5.0 28–7 4.0,4.0
ISCJB II 19 12 57 42.1–.87 0.61S–.09 131.44E–.09 33 3.4b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC II 19 22 16 08.2–3.1 4.87S 133.62E 0 3.6,3.5L
¶15956738

IDC Error ellipse: s-maj=130.9km s-min=28.9km az=82.0.
ISC II 20 02 46 28.4–.83 0.33S–.08 133.04E–.05 32 4.0b 24 2-69
IDC II 20 02 46 23.9–1.1 0.40S 132.94E 0 4.1,4.1L ¶11712988
ISCJB II 20 02 46 26.8–.63 0.32S–.06 133.03E–.04 32 3.9b,3.2s
DJA II 20 02 46 27 0.26S 133.09E 27 4.3b,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=54.9km s-min=15.4km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.0km az=5.4.
IDC II 20 23 12 14.2–.98 0.48S 133.01E 0 3.9,3.8L
DJA II 20 23 12 22 0.56S 132.77E 61 4.2,3.8L ¶12701377
IDC Error ellipse: s-maj=55.8km s-min=16.3km az=79.0.
IDC II 21 06 29 57.9–2.1 0.37S 132.99E 0 3.9,3.8b
¶15956863

IDC Error ellipse: s-maj=81.5km s-min=26.3km az=75.0.
IDC II 21 09 44 24.7–2.1 0.09S 132.76E 0 3.7,3.7b
¶15956868

IDC Error ellipse: s-maj=114.0km s-min=19.3km az=79.0.
ISC II 21 13 35 38.5–.30 0.39S–.03 132.74E–.04 55–2 5.1b,4.5s 403 2-159
BJI II 21 13 35 30.6 1.11S 133.09E 50 5.4b,5.0b ¶14189746
IDC II 21 13 35 31.0–.42 0.35S 132.69E 0 4.9,4.8
MOS II 21 13 35 34.3–.80 0.31S 132.61E 33 5.3b,4.8
ISCJB II 21 13 35 35.4–.57 0.34S–.03 132.74E–.03 44–5 5.1b,4.5s
DJA II 21 13 35 35 0.38S 132.75E 10 5.3W,4.5s
NEIC II 21 13 35 37.2–.99 0.40S 132.67E 45–9 5.5W,5.2b
TEH II 21 13 35 38.0 0.46S 132.63E 52 5.4L,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=19.7km s-min=10.2km az=65.0.
MOS Error ellipse: s-maj=14.2km s-min=6.2km az=118.1.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.2km az=135.7.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.3km az=61.0. Felt [III] at Sorong.
ISC II 21 13 48 04.7–.52 0.25S–.06 132.73E–.05 33 4.5b 53 2-152
IDC II 21 13 47 59.3–.61 0.27S 132.79E 0 4.5,4.4 ¶11713362
BJI II 21 13 48 00.0 0.30S 132.80E 10 5.1b,4.7b
ISCJB II 21 13 48 02.9–.40 0.28S–.04 132.77E–.04 33 4.5b,4.7b
DJA II 21 13 48 08 0.67S 132.53E 10 4.7b,4.7b
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=11.1km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.4km az=175.1.
IDC II 21 14 07 11.2–1.8 0.51S 132.19E 0 3.9,3.8b
¶15956877

IDC Error ellipse: s-maj=98.6km s-min=19.6km az=75.0.
IDC II 21 14 38 55.9–2.1 2.17S 133.84E 0 3.9,3.8
¶15956878

IDC Error ellipse: s-maj=89.5km s-min=22.5km az=81.0.
ISC II 21 14 45 04.0–.82 0.9S–.10 136.57E–.09 25 4.0b 11 1-150
IDC II 21 14 44 59.8–.82 0.40S 137.65E 0 4.6L,4.0 ¶12701436
DJA II 21 14 45 03.5–1.0 1S–18 137E–6.0 181–6 4.4,4.2
ISC Event type ke.
IDC II 21 15 01 15.8–1.9 1.51S 133.27E 0 3.9,3.7s
¶15956879

IDC Error ellipse: s-maj=93.7km s-min=28.2km az=102.0.
IDC II 22 10 18 55.0–12 1.07S 133.72E 0 3.6,3.5b
¶15956931

IDC Error ellipse: s-maj=184.6km s-min=113.7km az=159.0.
ISC II 22 12 15 49.3–.93 0.56S–.04 133.03E–.04 32–6 4.9b,4.0s 215 2-155
IDC II 22 12 15 44.1–.53 0.51S 133.00E 0 5.3L,5.0 ¶11713530
BJI II 22 12 15 44.5 1.02S 133.59E 35 5.1b,4.8s
MOS II 22 12 15 47.5–.89 0.55S 132.92E 33 4.9b,4.8s
ISCJB II 22 12 15 48.1–.68 0.55S–.03 133.13E–.03 37–6 4.9b,4.2s
NEIC II 22 12 15 49.6–.30 0.53S 133.09E 35 5.0b,4.2s
DJA II 22 12 15 50 0.81S 133.10E 10 5.2b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=22.3km s-min=13.1km az=69.0.
MOS Error ellipse: s-maj=15.6km s-min=7.6km az=120.6.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.4km az=31.9.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=6.3km az=53.0. Felt [II] at Sorong.
IDC II 22 15 16 34.8–2.5 0.56S 131.31E 0 3.6,3.4
¶15956950

IDC Error ellipse: s-maj=119.2km s-min=24.3km az=76.0.
IDC II 22 23 23 41.2–2.6 1.67S 133.45E 0 3.6,3.4
¶15956979

IDC Error ellipse: s-maj=126.1km s-min=27.1km az=76.0.
ISC II 23 10 40 51.2–.50 0.34S–.07 132.77E–.06 32 4.3b,4.3s 63 2-154
IDC II 23 10 40 46.5–.64 0.33S 132.80E 0 4.5,4.5L ¶12701629
ISCJB II 23 10 40 49.2–.49 0.34S–.06 132.94E–.05 32 4.3b,4.3s
DJA II 23 10 40 50 0.45S 133.02E 10 5.1,4.3s
NEIC II 23 10 40 51.6–.45 0.42S 132.78E 35 4.6b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=12.3km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=7.2km az=31.5.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.6km az=61.0.
ISC II 23 12 17 54.1–.35 0.72S–.04 133.25E–.04 33–1 5.2b,4.2s 337 2-161
IDC II 23 12 17 48.8–.46 0.70S 133.24E 0 4.9,4.9 ¶11714027
BJI II 23 12 17 49.9 1.03S 133.45E 38 5.1b,4.9b
MOS II 23 12 17 52.1–.94 0.72S 133.17E 33 5.3b,4.9b
NEIC II 23 12 17 54.0–.16 0.72S 133.22E 35 5.2b,4.9b
ISCJB II 23 12 17 53.1–.70 0.73S–.04 133.27E–.03 42–6 5.0b,4.2s
DJA II 23 12 17 53 0.76S 133.34E 10 5.2b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=11.2km az=76.0.
MOS Error ellipse: s-maj=11.9km s-min=6.1km az=114.7.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.8km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.1km az=33.6.
IDC II 23 12 29 39.2–3.0 0.90S 133.30E 0 3.5,3.3
¶15957054

IDC Error ellipse: s-maj=142.1km s-min=30.2km az=75.0.
IDC II 24 08 59 27.7–2.0 0.52S 133.07E 0 4.0,4.0b
¶15957153

IDC Error ellipse: s-maj=80.2km s-min=25.8km az=76.0.
IDC II 26 11 11 20.0–2.8 0.76S 133.21E 0 3.6,3.5b
¶15957349

IDC Error ellipse: s-maj=139.1km s-min=28.1km az=75.0.
IDC II 27 16 35 52.7–12 1.15S 134.27E 0 3.8,3.7
¶15957462

IDC Error ellipse: s-maj=181.9km s-min=68.4km az=163.0.
IDC II 28 04 26 27.9–3.9 1.05S 134.03E 0 3.8s,3.8
¶15957504

IDC Error ellipse: s-maj=204.0km s-min=27.2km az=76.0.
IDC II 28 15 08 20.3–2.0 0.08S 132.97E 0 3.9,3.7
¶15957531

IDC Error ellipse: s-maj=79.5km s-min=26.0km az=74.0.
ISC II 28 20 35 16.6–.43 0.67S–.04 132.85E–.06 94–2 4.6b 150 2-151
IDC II 28 20 35 05.5–.71 0.54S 132.84E 0 4.6,4.5 ¶11788677
DJA II 28 20 35 11.1–1.1 1S–3.0 133E–2.0 30–10 5.7b,5.2
ISCJB II 28 20 35 15.2–.28 0.68S–.03 132.78E–.04 95 4.6b,5.2
BJI II 28 20 35 15.7 0.50S 132.60E 82 4.8b,4.5b
NEIC II 28 20 35 16.6–1.7 0.61S 132.79E 91–16 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=11.8km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.6km az=179.8.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=4.9km az=47.0.

IDC II 28 23 06 23.9–2.2 0.54S 132.84E 0 3.7,3.6b
¶15957553

IDC Error ellipse: s-maj=118.7km s-min=25.5km az=71.0.
IDC II 28 23 12 53.8–1.0 0.42S 133.39E 0 4.0,3.8L
¶15957554

IDC Error ellipse: s-maj=52.0km s-min=17.9km az=80.0.
IDC III 01 18 10 30.3–2.4 2.04S 133.35E 0 3.6,3.5L
¶12702207

IDC Error ellipse: s-maj=93.0km s-min=25.7km az=79.0.
IDC III 02 09 08 51.4–3.3 1.34N 132.42E 0 3.2,3.1b
¶12702249

IDC Error ellipse: s-maj=213.6km s-min=23.4km az=73.0.
ISC III 02 16 12 57.7–.62 0.65S–.05 133.15E–.06 32 4.2b 58 2-153
IDC III 02 16 12 51.6–.78 0.59S 133.29E 0 4.4L,4.3 ¶15153017
ISCJB III 02 16 12 54.8–.53 0.62S–.04 133.23E–.05 32 4.0b,3.5s
DJA III 02 16 12 59.6–.50 1S–4.0 133E–4.0 59–10 5.2b,4.8b
NEIC III 02 16 13 00.4–5.3 0.68S 133.05E 62–49 4.0b,4.8b
AUST III 02 16 13 04.6–1.4 1.13S 132.72E 72–0 4.0b,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=39.4km s-min=12.2km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.1km az=158.7.
NEIC Event type se. Error ellipse: s-maj=38.7km s-min=11.0km az=56.0.
AUST Error ellipse: s-maj=2.1km s-min=1.0km az=247.0.
ISC III 03 15 24 08.1–1.4 0.36S–.09 132.94E–.08 32 4.3b 22 2-64
IDC III 03 15 24 03.3–2.0 0.44S 133.20E 0 4.2,4.1L ¶15153028
AUST III 03 15 24 07.2 0.49S 133.00E 15 4.2,4.1L
DJA III 03 15 24 13.1–1.1 1S–6.0 133E–6.0 88–14 5.2b,4.7b
ISC Event type ke.
IDC III 03 18 39 19.8–1.3 0.58S 133.53E 0 3.7,3.4L
¶12702375

IDC Error ellipse: s-maj=61.5km s-min=23.5km az=89.0.
IDC III 03 21 19 18.6–4.8 0.60S 131.11E 0 3.4,3.2L
¶12702385

IDC Error ellipse: s-maj=339.4km s-min=26.2km az=72.0.
ISC III 04 02 48 11.5–.82 0.85S–.09 132.9E–.20 32 4.2b 28 17-87
IDC III 04 02 48 06.7–.83 0.64S 133.10E 0 4.4L,4.2 ¶12702397
ISCJB III 04 02 48 09.8–.55 0.78S–.07 132.9E–.20 32 4.1b,3.3s
NEIC III 04 02 48 11.9–.43 0.70S 133.00E 35 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=47.5km s-min=14.9km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=7.5km az=166.2.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=7.1km az=71.0.
ISC III 04 13 41 49.4–1.6 0.6S–.10 131.94E–.09 31 10 1-64
IDC III 04 13 41 43.8–2.6 0.39S 132.17E 0 3.5,3.4 ¶12702427
ISCJB III 04 13 41 47.2–1.3 0.45S–.09 131.81E–.07 31 3.2b,3.4
DJA III 04 13 41 50.4–1.4 1S–13 132E–5.0 10 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC III 05 03 33 10.4–2.0 0.75S 132.85E 0 4.2,4.1L
¶12702469

IDC Error ellipse: s-maj=82.0km s-min=25.7km az=75.0.
IDC III 05 15 57 45.9–3.6 0.70S 132.13E 142–34 3.6,3.5
¶12702498

IDC Error ellipse: s-maj=30.7km s-min=10.9km az=82.0.
IDC III 06 03 04 05.5–3.8 0.88S 130.56E 0 3.6,3.4L
¶12702536

IDC Error ellipse: s-maj=267.1km s-min=27.5km az=71.0.
IDC III 06 17 48 12.1–2.5 2.34S 133.97E 0 3.8,3.6
¶12702577

IDC Error ellipse: s-maj=90.0km s-min=27.2km az=81.0.
IDC III 07 21 03 47.4–1.7 0.56S 132.61E 0 4.0,3.8b
¶12702664

IDC Error ellipse: s-maj=82.6km s-min=19.6km az=75.0.
IDC III 08 09 28 31.6–2.9 2.43S 133.38E 0 3.2,3.1
¶12702706

IDC Error ellipse: s-maj=136.8km s-min=29.8km az=76.0.
IDC III 08 11 30 54.4–2.4 1.81S 133.18E 0 3.4,3.2L
¶12702715

IDC Error ellipse: s-maj=98.0km s-min=25.6km az=79.0.
ISC III 08 16 27 02.0–.80 0.81S–.06 133.24E–.06 35 4.0b 29 2-130
IDC III 08 16 26 57.1–.95 0.88S 132.80E 0 4.1,4.0b ¶15153105
ISCJB III 08 16 26 59.6–.62 0.76S–.06 133.31E–.05 33 4.0b,3.3s
DJA III 08 16 27 00.3–.70 1S–11 133E–4.0 102–16 5.1b,4.4
AUST III 08 16 27 04.8 0.98S 133.00E 60 5.1b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=55.8km s-min=12.3km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=7.2km az=42.1.
IDC III 09 02 59 41.0–1.2 0.34S 132.44E 0 3.9,3.8L
¶12702773

IDC Error ellipse: s-maj=59.1km s-min=19.9km az=82.0.
ISC III 09 08 00 00.4–1.0 4.28S–.08 133.8E–.10 35 16 2-89
IDC III 09 07 59 55.9–1.3 4.14S 133.46E 0 4.2L,4.0 ¶15153122
AUST III 09 08 00 03.7 4.46S 134.03E 100 4.2L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=53.2km s-min=25.7km az=77.0.
IDC III 09 09 58 23.2–1.9 0.71S 133.20E 0 3.9,3.8b
¶12702788

IDC Error ellipse: s-maj=79.6km s-min=23.3km az=75.0.
ISC III 09 15 56 41.5–1.7 0.6S–.10 132.4E–.20 35 11 5-64
IDC III 09 15 56 35.5–2.4 0.41S 132.54E 0 3.7L,3.6 ¶15153118
ISCJB III 09 15 56 39.1–1.5 0.60S–.09 132.5E–.20 33 3.5b,3.6
AUST III 09 15 56 44.4 0.99S 132.50E 10 3.5b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=94.5km s-min=26.3km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=28.3km s-min=11.4km az=166.4.
ISC III 09 17 59 29.6–.70 0.48S–.06 132.98E–.05 32 3.6b 33 2-86
IDC III 09 17 59 25.1–.80 0.37S 133.00E 0 4.1L,3.9 ¶15153119
ISCJB III 09 17 59 28.5–.51 0.40S–.06 132.90E–.05 32 3.7b,3.5s
DJA III 09 17 59 28.8–1.1 0S–4.0 133E–2.0 9–9 5.4b,4.8
AUST III 09 17 59 40.8 0.99S 132.00E 100 5.4b,4.8
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=12.1km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.3km az=15.6.
DJA III 10 11 11 12.9–1.6 1S–5.0 133E–3.0 10 5.3b,4.7
¶15850273

IDC III 10 20 39 56.4–4.4 1.73S 140.40E 0 3.7L,3.6
¶12702914

IDC Error ellipse: s-maj=182.6km s-min=25.9km az=88.0.
IDC III 11 03 13 28.3–3.6 2.00S 136.74E 0 3.8,3.8s
¶12702947

IDC Error ellipse: s-maj=156.3km s-min=27.8km az=82.0.
IDC III 11 19 01 15.2–4.5 1.68S 140.16E 0 3.3,3.2L
¶12702999

IDC Error ellipse: s-maj=172.9km s-min=28.7km az=87.0.
IDC III 11 20 01 38.8–4.8 1.79S 140.10E 0 4.1,4.1s
¶12703004

IDC Error ellipse: s-maj=184.8km s-min=27.7km az=87.0.
IDC III 11 20 02 52.8–2.1 0.45S 132.97E 0 3.8,3.6b
¶12703005

IDC Error ellipse: s-maj=97.8km s-min=23.3km az=75.0.
IDC III 12 07 00 42.6–3.8 1.63S 140.23E 0 4.0L,3.9
¶12703052

IDC Error ellipse: s-maj=137.5km s-min=29.2km az=86.0.
ISC III 13 03 11 33.1–.43 0.50S–.04 132.78E–.04 34–1 4.7b,4.1s 158 2-153
BJI III 13 03 11 28.5 1.04S 132.59E 34 5.0b,4.8s ¶11876235
MOS III 13 03 11 30.8–.87 0.54S 132.61E 33 4.8b,4.8s
ISCJB III 13 03 11 30.4–.27 0.45S–.03 132.80E–.04 30 4.6b,4.0s
IDC III 13 03 11 31.4–.71 0.50S 132.71E 25–4 4.4,4.3b
NEIC III 13 03 11 32.8–.22 0.57S 132.65E 35 4.5b,4.3b
DJA III 13 03 11 35.3–1.2 1S–3.0 133E–2.0 28–12 5.4b,5.0
ISC Event type se.

ISCJB Event type se.
NEIC Event type se.
IDC III 13 12 07 03.6–2.5 0.21S 132.69E 0 3.7,3.5
¶12703165

IDC Error ellipse: s-maj=104.4km s-min=24.9km az=78.0.
ISC III 13 15 40 44.4–.41 0.61S–.04 132.77E–.06 59–2 4.6b,4.0s 168 2-153
IDC III 13 15 40 36.9–.57 0.53S 132.65E 0 4.6,4.5b **¶11882793**
MOS III 13 15 40 39.8–1.0 0.56S 132.60E 33 4.8b,4.5b
BJI III 13 15 40 40.7 0.88S 132.77E 61 5.2b,4.8s
DJA III 13 15 40 42.9–1.4 1S–4.0 133E–4.0 33–14 5.5b,5.1
NEIC III 13 15 40 42.5–1.5 0.60S 132.64E 43–14 4.7b,5.1
ISCJB III 13 15 40 42.3–.80 0.60S–.04 132.82E–.04 59–7 4.5b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 13 15 53 40.4–3.3 3.26S 135.61E 0 3.5,3.3L
¶12703182

IDC Error ellipse: s-maj=139.4km s-min=31.8km az=79.0.
IDC III 13 16 39 03.5–1.1 0.39S 132.53E 0 3.9L,3.9
¶12703184

IDC Error ellipse: s-maj=54.8km s-min=20.1km az=83.0.
ISC III 14 04 27 25.9–1.1 0.6S–.10 133.3E–.10 28 3.9b 13 3-89
IDC III 14 04 27 21.3–1.2 0.55S 133.33E 0 4.0,3.8 **¶12703225**
ISCJB III 14 04 27 23.8–.85 0.57S–.08 133.3E–.10 28 3.8b,3.7s
DJA III 14 04 27 43.2–2.2 2S–16 132E–14 81–14 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC III 14 12 56 45.3–2.4 0.88S 132.99E 0 3.7,3.5L
¶12703258

IDC Error ellipse: s-maj=100.3km s-min=24.6km az=78.0.
ISC III 14 19 18 16.2–1.8 1.5S–.20 133.9E–.10 10 10 3-66
AUST III 14 19 18 09.7–7.4 1.05S 134.07E 0–2 **¶15153192**
ISCJB III 14 19 18 13.4–1.5 1.5S–.10 134.0E–.10 10 3.2b
IDC III 14 19 18 13.3–2.7 1.56S 134.38E 0 3.7,3.6L
ISC Event type ke.
AUST Error ellipse: s-maj=3.9km s-min=1.2km az=231.0.
ISCJB Event type ke. Error ellipse: s-maj=24.1km s-min=10.2km az=135.6.
IDC Error ellipse: s-maj=93.3km s-min=28.3km az=81.0.
ISC III 14 21 54 39.2–.67 0.70S–.06 133.39E–.06 28 4.0b,3.3s 30 2-131
IDC III 14 21 54 35.2–.86 0.71S 133.37E 0 4.3,4.3L **¶11883138**
ISCJB III 14 21 54 37.7–.52 0.66S–.05 133.33E–.05 28 4.0b,3.3s
DJA III 14 21 54 41.2–.40 1S–4.0 133E–3.0 51–9 5.6b,5.1
ISC Event type ke.
ISCJB Event type ke.
IDC III 15 01 11 28.8–2.5 0.91S 133.21E 0 3.6,3.5
¶12703311

IDC Error ellipse: s-maj=97.2km s-min=27.2km az=79.0.
IDC III 15 03 43 19.5–4.4 2.01S 136.90E 0 3.6L,3.6
¶12703321

IDC Error ellipse: s-maj=195.3km s-min=28.7km az=82.0.
IDC III 15 23 49 35.0–3.0 0.95S 133.21E 0 3.6L,3.3
¶12703383

IDC Error ellipse: s-maj=152.2km s-min=28.6km az=75.0.
IDC III 16 02 43 53.4–2.0 0.74S 132.94E 0 3.9,3.7b
¶12703392

IDC Error ellipse: s-maj=83.7km s-min=25.3km az=75.0.
ISC III 16 12 26 00.8–1.3 4.4S–.10 134.0E–.10 10 10 2-61
AUST III 16 12 26 01.3–6.0 4.40S 134.06E 5–0 **¶15153228**
DJA III 16 12 26 16.3–.90 4S–5.0 133E–10 10 3.8,3.8
ISC Event type ke.
IDC III 17 01 29 40.9–14 0.55S 132.84E 0 4.3b,4.2
¶12703475

IDC Error ellipse: s-maj=211.3km s-min=83.7km az=166.0.
ISC III 17 15 48 24.4–.49 0.59S–.06 133.22E–.05 32 4.3b,3.5s 64 2-153
IDC III 17 15 48 19.2–.66 0.62S 133.23E 0 4.5,4.5L **¶11938410**
ISCJB III 17 15 48 22.7–.41 0.60S–.04 133.20E–.04 32 4.2b,3.5s
DJA III 17 15 48 24.2–1.2 1S–4.0 133E–2.0 12–9 5.7b,5.3
NEIC III 17 15 48 26.7–2.4 0.69S 133.22E 56–23 4.2b,5.3
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=15.5km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.8km az=152.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=9.4km az=59.0.
ISC III 18 03 36 06.2–.81 0.85S–.08 133.32E–.08 29 3.9b 14 2-131
IDC III 18 03 36 01.8–1.1 0.61S 133.62E 0 4.2,4.0L **¶12703559**
DJA III 18 03 36 06.9–.90 1S–12 133E–5.0 10 5.0b,4.9b
ISC Event type ke.
ISC III 18 11 27 36.5–.81 0.75S–.06 131.45E–.07 10 3.8b,3.6s 37 0-87
IDC III 18 11 27 32.4–.99 0.44S 132.59E 0 3.9,3.9L **¶15153258**
DJA III 18 11 27 36.2–.70 1S–5.0 131E–5.0 10 4.6,4.6
NEIC III 18 11 27 37.5–.44 0.51S 132.55E 35 4.0b,4.6
AUST III 18 11 27 55.8 1.99S 131.00E 35 4.0b,4.6
ISC Event type fe.
IDC Error ellipse: s-maj=46.6km s-min=12.9km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=19.4km s-min=6.7km az=73.0. Felt [III] at Sorong.
DJA III 18 11 36 24.8–1.4 1S–11 131E–10 10 3.8,3.8
¶15850308
IDC III 18 13 41 05.5–3.0 1.70S 136.27E 0 3.8,3.6
¶12703588

IDC Error ellipse: s-maj=108.1km s-min=25.7km az=85.0.
ISC III 19 02 17 30.5–.45 0.69S–.03 133.17E–.04 41–3 5.0b,4.3s 365 2-161
BJI III 19 02 17 24.1 1.17S 133.39E 35 5.1b,4.8b **¶15153280**
IDC III 19 02 17 24.3–.40 0.69S 133.08E 0 5.0,4.9
ISCJB III 19 02 17 27.9–.65 0.67S–.03 133.23E–.03 36–5 4.9b,4.3s
MOS III 19 02 17 27.7–1.3 0.67S 133.06E 33 5.3b,4.3s
NEIC III 19 02 17 29.6–.17 0.70S 133.13E 35 5.1b,4.3s
GCMT III 19 02 17 29.7–.10 0.60S 133.06E 32–0 5.2W,4.3s
DJA III 19 02 17 34.4–.30 1S–3.0 133E–2.0 54–3 5.6b,5.5
AUST III 19 02 17 37.0–.64 1.12S 132.98E 92–0 5.6b,5.5
ISC Event type fe.
IDC Error ellipse: s-maj=19.4km s-min=9.8km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.0km az=144.4.
MOS Error ellipse: s-maj=12.8km s-min=6.1km az=109.6.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.7km az=61.0. Felt [III] at Manokwari.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c131; s92,c158; Moment tensor: Scale 10^{16}Nm; M_{rr}8.23±.20 $M_{\theta\theta}$-6.31±.14; $M_{\phi\phi}$-1.92±.18; $M_{r\theta}$-3.34±.18; $M_{\theta\phi}$4.33±.11; $M_{\phi r}$1.98±.24; Best double couple: NP1:ϕ_s122.00000°,δ33.00000°,λ91.00000°. NP2:ϕ_s301.00000°,δ57.00000°,λ90.00000°. Principal axes: T 9.0700,Plg78.0000° ,Azm210.0000°; N 0.7400,Plg0.0000°,Azm301.0000°; P -9.8100,Plg12.0000°,Azm31.0000° M_o9.40000×10^{16}
AUST Error ellipse: s-maj=1.4km s-min=0.7km az=33.0.
IDC III 19 12 37 30.2–4.7 1.95S 140.05E 0 3.6,3.4
¶12703678

IDC Error ellipse: s-maj=176.3km s-min=31.6km az=87.0.
IDC III 19 14 35 43.1–4.4 1.90S 140.08E 0 3.7L,3.7
¶12703685

IDC Error ellipse: s-maj=162.0km s-min=31.3km az=87.0.
ISC III 21 03 40 44.9–.37 0.48S–.04 133.09E–.05 32 4.6b,3.9s 134 3-130
IDC III 21 03 40 39.4–.69 0.40S 132.89E 0 4.6,4.4b **¶15153332**
ISCJB III 21 03 40 42.7–.27 0.42S–.03 133.08E–.04 32 4.5b,3.9s
DJA III 21 03 40 43.5–1.3 1S–4.0 133E–3.0 10 5.6b,5.0
MOS III 21 03 40 45.7–1.4 0.60S 132.63E 54 4.7b,5.0
NEIC III 21 03 40 46.9–2.0 0.46S 132.95E 55–19 4.5b,5.0
BJI III 21 03 40 48.2 0.06S 132.82E 35 5.0b,4.7s
AUST III 21 03 40 53.8 0.98S 133.00E 100 5.0b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=13.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.8km az=167.5.
MOS Error ellipse: s-maj=18.8km s-min=8.1km az=117.9.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.3km az=48.0.
ISC III 21 15 17 28.2–1.4 4.0S–.10 134.4E–.20 21 3.7b 10 6-72
IDC III 21 15 17 23.7–2.7 3.66S 134.86E 0 3.8b,3.8 **¶12635195**

AUST III 21 15 18 07.0–10 6.06S 132.95E 64–0 3.8b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=124.8km s-min=24.1km az=85.0.
AUST Error ellipse: s-maj=1.7km s-min=1.2km az=291.0.
ISC III 21 19 54 29.2–2.9 1.2S–.20 132.6E–.30 35 3.5b 9 4-69
IDC III 21 19 54 21.1–1.9 0.89S 132.77E 0 3.7,3.6b **¶12635210**
AUST III 21 19 55 00.1–99 3.36S 131.62E 60–7 3.7,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=100.4km s-min=20.6km az=75.0.
AUST Error ellipse: s-maj=36.5km s-min=1.5km az=31.0.
ISC III 22 00 46 06.8–.35 0.50S–.04 133.04E–.05 32 4.7b,3.8s 144 2-130
BJI III 22 00 46 01.2 0.85S 133.29E 35 5.0b,4.7s **¶15153356**
IDC III 22 00 46 01.1–.69 0.46S 132.87E 0 4.7L,4.5
ISCJB III 22 00 46 04.7–.29 0.50S–.03 132.96E–.04 32 4.6b,3.8s
AUST III 22 00 46 04.5 0.49S 133.00E 20 4.6b,3.8s
NEIC III 22 00 46 06.7–.43 0.46S 132.88E 35 4.6b,3.8s
DJA III 22 00 46 09.0–.40 1S–4.0 133E–3.0 10 5.5b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 22 02 20 00.5–2.5 0.43S 132.07E 0 3.2,3.1b
¶12635247

IDC Error ellipse: s-maj=136.2km s-min=25.7km az=73.0.
IDC III 22 03 33 18.6–2.8 0.40S 132.00E 0 3.5,3.4
¶12635252

IDC Error ellipse: s-maj=130.2km s-min=26.2km az=77.0.
ISC III 22 03 51 05.1–.42 0.56S–.05 132.17E–.07 31 4.6b,3.7s 116 2-129
IDC III 22 03 50 59.5–.81 0.44S 132.01E 0 4.3,4.2 **¶15153364**
ISCJB III 22 03 51 02.4–.31 0.49S–.03 132.33E–.04 31 4.5b,3.7s
BJI III 22 03 51 04.1 0.40S 132.20E 35 4.9b,4.8b
NEIC III 22 03 51 05.6–1.4 0.45S 132.15E 41–14 4.5b,4.8b
DJA III 22 03 51 05.5–.50 1S–4.0 132E–5.0 10 5.3b,4.7b
AUST III 22 03 51 11.5 0.99S 132.00E 60 5.3b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=14.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.1km az=158.6.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.0km az=49.0.
ISC III 22 03 55 00.2–.46 0.66S–.04 132.11E–.08 31 4.5b,3.8s 102 2-96
DJA III 22 03 54 52.9–1.4 0S–10 133E–10 10 5.4b,4.9 **¶15153353**
BJI III 22 03 54 53.0 1.29S 132.49E 35 4.9b,4.8s
IDC III 22 03 54 54.7–.96 0.41S 132.14E 0 4.4,4.3b
ISCJB III 22 03 54 58.1–.33 0.49S–.03 132.29E–.06 33 4.5b,3.8s
NEIC III 22 03 55 00.7–1.6 0.43S 132.24E 42–16 4.5b,3.8s
AUST III 22 03 55 08.5–1.6 1.01S 132.14E 92–0 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=13.8km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.2km az=163.2.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.5km az=52.0.
AUST Error ellipse: s-maj=2.3km s-min=1.1km az=34.0.
IDC III 22 05 06 39.7–2.5 0.73S 131.08E 0 3.6,3.4b
¶12635261

IDC Error ellipse: s-maj=127.5km s-min=24.4km az=75.0.
ISC III 22 05 14 13.4–.34 0.41S–.04 132.30E–.06 33 4.8b,3.8s 188 1-154
BJI III 22 05 14 06.4 1.00S 132.68E 40 5.0b,4.8b **¶15153358**
IDC III 22 05 14 08.5–.55 0.31S 132.22E 0 4.7,4.6
MOS III 22 05 14 10.3–.85 0.34S 132.20E 26 4.9b,4.6
AUST III 22 05 14 10.3–1.5 0.44S 132.29E 14–0 4.9b,4.6
ISCJB III 22 05 14 11.4–.24 0.34S–.03 132.31E–.04 33 4.7b,3.9s
NEIC III 22 05 14 13.6–.24 0.37S 132.24E 35 4.7b,3.9s
DJA III 22 05 14 15.1–.60 1S–6.0 132E–5.0 5 5.5b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC III 22 05 27 44.5–1.0 0.4S–.10 131.9E–.20 31 4.0b 10 1-90
IDC III 22 05 27 39.8–1.4 0.43S 131.98E 0 4.1,4.0b **¶12635262**
DJA III 22 05 27 47.1–2.6 1S–19 132E–15 5 4.8b,4.5b
ISC Event type ke.
IDC III 22 20 58 13.4–2.4 0.07S 132.70E 0 3.5s,3.5
¶12635328

IDC Error ellipse: s-maj=140.3km s-min=24.3km az=74.0.
ISC III 23 02 46 09.2–1.3 0.63S–.09 133.1E–.20 32 4.1b 14 2-74
IDC III 23 02 46 04.3–2.3 0.48S 133.16E 0 4.2,4.1L **¶15153377**
ISCJB III 23 02 46 07.0–.89 0.66S–.07 133.2E–.20 32 4.0b,4.1L
AUST III 23 02 46 12.7 0.98S 133.00E 25 4.0b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=177.0km s-min=17.2km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=9.0km az=172.5.
IDC III 23 12 19 54.2–1.7 0.52S 133.30E 0 3.8,3.7
¶12635387

IDC Error ellipse: s-maj=80.6km s-min=20.1km az=76.0.
IDC III 23 20 44 20.6–3.0 0.58S 133.35E 0 3.3,3.2L
¶12635419

IDC Error ellipse: s-maj=159.8km s-min=26.7km az=75.0.
ISC III 24 11 16 35.4–1.3 0.79S–.06 131.36E–.07 10–6 4.0b 38 0-79
AUST III 24 11 16 30.2 0.49S 131.50E 25 4.0b **¶15153407**
ISCJB III 24 11 16 32.5–1.3 0.68S–.05 131.47E–.06 7–7 3.9b
IDC III 24 11 16 33.9–1.3 0.77S 131.12E 0 3.9b,3.9
DJA III 24 11 16 37.0–.60 1S–5.0 131E–4.0 10 4.3,4.3
NEIC III 24 11 16 39.2–.76 0.86S 131.05E 35 3.9b,4.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=7.9km az=13.5.
IDC Error ellipse: s-maj=86.9km s-min=17.1km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=39.6km s-min=8.7km az=74.0. Felt [V] at Sorong.
IDC III 24 12 54 06.1–6.8 0.52S 132.27E 0 3.4,3.2b
¶12635469

IDC Error ellipse: s-maj=439.7km s-min=26.3km az=74.0.
IDC III 24 13 53 08.5–2.5 3.16S 133.14E 0 3.4,3.3
¶12635472

IDC Error ellipse: s-maj=101.5km s-min=27.1km az=79.0.
ISC III 24 17 56 19.6–1.4 0.47S–.08 132.61E–.09 33 3.8b 15 1-64
IDC III 24 17 56 14.3–2.2 0.31S 132.83E 0 4.0,3.8L **¶12635485**
DJA III 24 17 56 18.3–1.3 0S–8.0 133E–6.0 10 4.6b,4.5b
AUST III 24 17 56 38.0–11 2.60S 135.80E 0–0 4.6b,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=102.0km s-min=24.7km az=75.0.
AUST Error ellipse: s-maj=2.7km s-min=1.1km az=239.0.
ISC III 25 00 08 19.9–1.0 0.49S–.09 133.20E–.06 32 4.0b 20 2-74
DJA III 25 00 08 14.7–1.0 0S–6.0 133E–2.0 8–8 5.1b,4.5b **¶12635503**
IDC III 25 00 08 16.0–1.4 0.53S 132.98E 0 4.0,3.9b
ISCJB III 25 00 08 17.4–.68 0.47S–.06 133.22E–.04 32 3.9b,3.9b
ISC Event type ke.
ISCJB Event type ke.
IDC III 25 03 40 20.6–1.9 0.83S 133.04E 0 3.8,3.7L
¶12635516

IDC Error ellipse: s-maj=81.2km s-min=23.1km az=75.0.
IDC III 25 04 49 55.2–2.7 3.12S 131.16E 0 3.7,3.5b
¶12635522

IDC Error ellipse: s-maj=138.4km s-min=26.4km az=76.0.
ISC III 25 11 41 51.3–1.0 0.31S–.07 132.64E–.05 33 4.0b 32 1-64
IDC III 25 11 41 46.9–1.9 0.29S 132.59E 0 4.3,4.3L **¶15153426**
ISCJB III 25 11 41 49.2–.84 0.20S–.06 132.70E–.05 33 4.0b,4.3L
AUST III 25 11 41 50.2 0.49S 132.50E 10 4.0b,4.3L
DJA III 25 11 41 50.0–1.0 0S–5.0 133E–2.0 13–8 5.3b,4.9b
ISC Event type ke.
ISCJB Event type ke.
IDC III 25 12 28 46.2–2.5 0.43S 132.04E 0 3.7,3.5L
¶12635554

IDC Error ellipse: s-maj=116.2km s-min=24.3km az=76.0.
IDC III 26 10 11 13.7–2.3 0.74S 133.12E 0 3.7,3.6
¶12635628

IDC Error ellipse: s-maj=93.0km s-min=24.5km az=78.0.

ISC III 26 11 03 29.7–1.1 0.6S–.10 133.4E–.10 28 3.9b 10 2-86
IDC III 26 11 03 25.5–1.3 0.59S 133.52E 0 4.0,3.9L ¶12635633
ISCJB III 26 11 03 28.0–1.0 0.61S–.10 133.43E–.08 28 3.8b,3.9L
DJA III 26 11 03 29.0–1.2 2S–6.0 129E–7.0 30 4.8b,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC III 26 15 30 33.3–1.5 0.5S–.10 132.01E–.09 31 11 1-64
IDC III 26 15 30 26.7–2.8 0.28S 132.95E 0 3.7,3.5L ¶12635642
ISCJB III 26 15 30 31.1–1.2 0.44S–.10 132.02E–.07 31 3.4b,3.5L
DJA III 26 15 30 31.0–1.2 1S–8.0 132E–4.0 10 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC III 26 22 42 07.8–2.9 0.76S 134.08E 0 3.6L,3.4
¶12635654
IDC Error ellipse: s-maj=135.0km s-min=28.6km az=76.0.
IDC III 27 13 45 18.9–3.1 3.45S 135.40E 0 3.4,3.2b
¶12635700
IDC Error ellipse: s-maj=136.5km s-min=29.8km az=79.0.
ISC III 27 17 36 05.4–1.4 0.7S–.20 132.06E–.08 31 11 1-60
IDC III 27 17 35 58.4–15 0.43S 131.63E 0 3.9,3.8b ¶15153433
AUST III 27 17 36 02.2 0.49S 132.00E 15 3.9,3.8b
ISCJB III 27 17 36 04.3–1.1 0.8S–.10 132.17E–.06 31 3.8b,3.8b
ISC Event type ke.
ISCJB Event type ke.
IDC III 27 20 09 38.1–2.5 0.68S 133.35E 0 3.5,3.3
¶12635721
IDC Error ellipse: s-maj=100.2km s-min=24.6km az=79.0.
ISC III 27 20 20 47.7–.81 0.64S–.04 133.33E–.04 45–7 4.7b,4.0s 239 2-153
AUST III 27 20 20 40.5–1.8 0.60S 133.53E 0–0 4.7b,4.0s ¶15153432
IDC III 27 20 20 41.3–.52 0.67S 133.18E 0 4.5,4.5L
MOS III 27 20 20 43.1–.90 0.68S 133.17E 24 4.8b,4.1s
GCMT III 27 20 20 45.0–.20 0.55S 133.29E 18–0 5.0W,4.1s
ISCJB III 27 20 20 46.3–.69 0.65S–.03 133.38E–.03 52–6 4.7b,4.0s
NEIC III 27 20 20 47.8–.83 0.70S 133.25E 51–8 4.6b,4.0s
BJI III 27 20 20 48.2 0.81S 133.05E 68 5.0b,4.7b
DJA III 27 20 20 51.8–.40 1S–3.0 133E–2.0 58–4 5.4b,5.3
ISC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s45,c62; s78,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}3.55±.14 $M_{\theta\theta}$-2.99±.09; $M_{\phi\phi}$-0.57±.11; $M_{r\theta}$-1.61±.19; $M_{\theta\phi}$1.34±.06; $M_{\phi r}$0.89±.25; Best double couple: NP1:ϕ_s112.00000°,δ31.00000°,λ86.00000°. NP2:ϕ_s296.00000°,δ59.00000°,λ92.00000°. Principal axes: T 4.0000,Plg76.0000° ,Azm213.0000°; N 0.0200,Plg2.0000°,Azm115.0000°; P -4.0300,Plg14.0000°,Azm24.0000° M_o4.00000×10^{16}
ISCJB Event type se.
NEIC Event type se.
IDC III 27 22 37 01.4–1.1 0.62S 133.31E 0 3.9,3.8L
¶12635725
IDC Error ellipse: s-maj=60.2km s-min=18.1km az=80.0.
IDC III 28 00 41 13.8–5.1 0.67S 131.46E 0 3.3,3.2b
¶12635730
IDC Error ellipse: s-maj=345.2km s-min=28.6km az=72.0.
IDC III 28 04 27 05.0–1.6 0.57S 133.25E 0 3.9b,3.9
¶12635741
IDC Error ellipse: s-maj=83.1km s-min=18.0km az=77.0.
IDC III 28 17 11 03.6–3.1 0.16S 132.70E 0 3.4,3.3b
¶12635784
IDC Error ellipse: s-maj=173.0km s-min=26.6km az=74.0.
ISC III 28 17 21 31.7–2.3 0.0N–.20 132.8E–.10 35 11 2-33
IDC III 28 17 21 25.2–12 0.26N 132.58E 0 4.1,3.9 ¶15153445
AUST III 28 17 21 43.6–1.7 0.82S 132.22E 100–0 4.1,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=190.9km s-min=118.8km az=163.0.
AUST Error ellipse: s-maj=3.0km s-min=1.4km az=38.0.
IDC III 28 17 50 02.3–2.2 0.69S 133.73E 0 3.5,3.4L
¶12635790
IDC Error ellipse: s-maj=98.9km s-min=21.3km az=80.0.
IDC III 28 20 03 45.5–12 0.05N 130.71E 0 3.8,3.7
¶12635799
IDC Error ellipse: s-maj=249.6km s-min=165.3km az=106.0.
IDC III 28 20 04 22.3–2.0 0.57S 132.02E 0 4.0,3.8b
¶12635800
IDC Error ellipse: s-maj=94.2km s-min=24.2km az=74.0.
ISC III 28 20 16 41.5–.98 0.51S–.08 132.84E–.10 32 3.8b 15 2-86
IDC III 28 20 16 36.7–1.0 0.31S 133.01E 0 3.9,3.8b ¶15153456
ISCJB III 28 20 16 39.7–.85 0.55S–.05 132.97E–.08 32 3.7b,3.8b
AUST III 28 20 16 45.4 0.49S 132.50E 100 3.7b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=51.8km s-min=18.5km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=7.5km az=163.4.
IDC III 28 23 27 21.2–2.5 0.80S 133.26E 0 3.3,3.2L
¶12635817
IDC Error ellipse: s-maj=101.7km s-min=25.0km az=79.0.
DJA III 29 05 53 15.7–.60 4S–4.0 134E–5.0 19 4.2b,3.8
¶15850338
IDC III 29 13 30 26.3–14 0.55S 133.18E 0 3.6,3.5b
¶12635864
IDC Error ellipse: s-maj=216.7km s-min=117.2km az=159.0.
IDC III 30 14 43 52.7–2.5 0.69S 132.89E 0 3.5,3.3
¶12635951
IDC Error ellipse: s-maj=105.4km s-min=24.5km az=78.0.
IDC III 30 16 53 49.0–2.9 0.57S 133.27E 0 3.8,3.7L
¶12635962
IDC Error ellipse: s-maj=122.1km s-min=26.2km az=79.0.
IDC III 30 16 58 45.7–3.2 0.94S 136.49E 0 4.1,3.8L
¶12635963
IDC Error ellipse: s-maj=137.3km s-min=26.6km az=80.0.
ISC III 30 16 59 59.9–.51 0.24S–.05 132.92E–.06 35 4.5b,4.0s 72 2-130
IDC III 30 16 59 54.4–.57 0.27S 132.98E 0 4.4,4.3b ¶15153475
BJI III 30 16 59 54.4 0.49S 132.98E 21 5.0b,4.7s
ISCJB III 30 16 59 57.6–.34 0.28S–.04 132.94E–.03 33 4.4b,3.9s
AUST III 30 16 59 59.7–2.1 0.39S 132.96E 36–0 4.4b,3.9s
DJA III 30 17 00 04.2–.60 0S–4.0 133E–3.0 54–6 5.3b,5.0
ISC Event type ke.
ISCJB Event type ke.
ISC III 30 17 06 14.5–.68 0.23S–.07 132.87E–.06 32 3.8b 29 2-130
AUST III 30 17 05 32.3–76 2.78N 134.35E 102–2 3.8b ¶12635964
IDC III 30 17 06 09.3–.81 0.28S 133.00E 0 4.2L,4.2
ISCJB III 30 17 06 12.7–.56 0.23S–.05 132.92E–.05 32 3.9b,4.2
DJA III 30 17 06 15.8–.60 0S–5.0 133E–3.0 42 5.4b,5.0b
ISC Event type ke.
ISCJB Event type ke.
ISC III 30 19 33 20.9–.66 0.27S–.04 132.85E–.05 14–3 4.7b,4.0s 158 2-154
BJI III 30 19 33 17.6 0.28S 132.88E 6 5.0b,4.8s ¶15153471
ISCJB III 30 19 33 18.0–.27 0.21S–.03 133.05E–.04 10 4.6b,4.0s
IDC III 30 19 33 18.4–.50 0.33S 132.75E 0 4.6,4.5
MOS III 30 19 33 22.3–.91 0.29S 132.80E 39 4.8b,4.5
GCMT III 30 19 33 23.2–.30 0.28S 132.87E 14–1 4.9W,4.5
NEIC III 30 19 33 23.6–.35 0.30S 132.88E 35 4.8b,4.5
AUST III 30 19 33 23.8–.32 0.35S 132.95E 47–0 4.8b,4.5
DJA III 30 19 33 24.0–1.1 0S–4.0 133E–3.0 22–9 5.6,5.4b
ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c36; s70,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}2.24±.15 $M_{\theta\theta}$-1.69±.09; $M_{\phi\phi}$-0.55±.11; $M_{r\theta}$-1.26±.20; $M_{\theta\phi}$0.67±.06; $M_{\phi r}$1.40±.27; Best double couple: NP1:ϕ_s105.00000°,δ26.00000°,λ68.00000°. NP2:ϕ_s309.00000°,δ66.00000°,λ100.00000°. Principal axes: T 3.0100,Plg67.0000° ,Azm238.0000°; N -0.3700,Plg9.0000°,Azm125.0000°; P -2.6400,Plg20.0000°,Azm31.0000° M_o2.80000×10^{16}
NEIC Event type se.
IDC III 30 22 51 48.1–2.2 0.49S 132.29E 0 4.2,4.2s
¶12635990
IDC Error ellipse: s-maj=96.9km s-min=26.7km az=74.0.
IDC III 31 07 11 05.7–2.0 0.52S 133.00E 0 3.8,3.7b
¶12636011
IDC Error ellipse: s-maj=94.0km s-min=20.8km az=79.0.
ISC IV 01 14 14 40.8–.56 4.91S–.05 132.89E–.06 35 3.7b 40 1-68
AUST IV 01 14 14 38.8 4.97S 132.53E 0 3.7b ¶15153504
ISCJB IV 01 14 14 39.8–.45 4.90S–.04 132.82E–.05 33 4.5s,4.2b
DJA IV 01 14 14 43.1–.30 5S–3.0 133E–3.0 75–7 5.3b,5.0b
IDC IV 01 14 14 44.0–5.0 5.03S 132.73E 63–50 4.3L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.6km az=155.9.
IDC Error ellipse: s-maj=47.6km s-min=24.3km az=53.0.
ISC IV 02 16 27 26.3–1.2 0.90S–.09 133.45E–.07 29 15 2-65
IDC IV 02 16 27 21.7–2.4 0.70S 133.34E 0 3.8,3.7L ¶12934305
DJA IV 02 16 27 26.2–1.4 1S–7.0 133E–12 10 4.7b,4.4
ISCJB IV 02 16 27 26.3–1.1 1.00S–.08 133.43E–.08 29 3.5b,3.4s
AUST IV 02 16 28 01.9–99 3.31S 131.71E 52–9 3.5b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=97.9km s-min=24.7km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=11.0km az=34.8.
AUST Error ellipse: s-maj=36.8km s-min=1.5km az=32.0.
ISC IV 04 06 09 28.3–.53 0.66S–.06 133.21E–.06 32 4.6b 75 2-153
IDC IV 04 06 09 23.4–.67 0.62S 133.17E 0 4.7,4.7L ¶15153548
ISCJB IV 04 06 09 26.4–.42 0.65S–.04 133.24E–.04 32 4.5b,4.7L
NEIC IV 04 06 09 29.8–1.4 0.68S 133.11E 44–13 4.6b,4.7L
DJA IV 04 06 09 31.9–1.7 1S–6.0 133E–3.0 39–18 5.6b,5.1
AUST IV 04 06 09 32.4 0.98S 133.00E 60 5.6b,5.1
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=12.1km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=6.2km az=166.6.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.7km az=52.0.
IDC IV 04 08 06 25.8–2.8 1.00S 135.26E 0 3.7,3.5
¶16152347
IDC Error ellipse: s-maj=101.3km s-min=27.0km az=82.0.
ISC IV 04 11 01 27.1–1.6 0.83S–.10 133.5E–.20 29 4.0b 12 5-65
IDC IV 04 11 01 22.8–1.9 0.65S 133.02E 0 4.0,3.9b ¶15153546
AUST IV 04 11 01 28.8 0.98S 134.00E 60 4.0,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=76.1km s-min=19.0km az=78.0.
IDC IV 04 19 23 27.7–2.5 0.69S 133.77E 0 3.3,3.3L
¶16152381
IDC Error ellipse: s-maj=100.7km s-min=25.1km az=79.0.
ISC IV 04 20 06 49.2–2.0 1.1S–.10 133.2E–.10 29 3.8b 14 2-65
IDC IV 04 20 06 40.9–2.1 0.58S 133.40E 0 3.8,3.7 ¶15153564
AUST IV 04 20 06 42.6–.12 0.51S 133.50E 17–1 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=79.1km s-min=25.5km az=76.0.
AUST Error ellipse: s-maj=4.6km s-min=1.3km az=38.0.
ISC IV 05 01 14 00.4–.88 3.56S–.07 135.69E–.08 22 10 2-148
IDC IV 05 01 13 58.7–1.6 3.66S 135.73E 0 4.1,4.1L ¶12934599
DJA IV 05 01 14 06.7–2.4 3S–17 135E–5.0 110–59 4.0,4.0
ISC Event type ke.
IDC IV 05 14 54 58.3–2.6 0.31S 131.86E 0 3.7,3.7L
¶16152419
IDC Error ellipse: s-maj=127.1km s-min=19.7km az=76.0.
ISC IV 05 22 33 21.6–1.2 3.62S–.09 135.4E–.20 22 3.6b 10 16-88
IDC IV 05 22 33 19.8–1.5 3.28S 135.70E 0 3.9s,3.9 ¶16152428
ISC Event type ke.
IDC Error ellipse: s-maj=76.6km s-min=29.9km az=83.0.
IDC IV 06 05 21 40.7–2.9 0.39S 132.93E 0 3.5,3.3
¶16152436
IDC Error ellipse: s-maj=157.1km s-min=26.2km az=74.0.
ISC IV 06 17 28 33.4–1.7 1.1S–.20 133.0E–.10 35 3.7b 8 5-65
IDC IV 06 17 28 27.7–2.0 1.00S 133.34E 0 3.8,3.7 ¶16152470
ISCJB IV 06 17 28 30.8–1.6 1.1S–.10 133.2E–.40 33 3.7b,3.7
AUST IV 06 17 29 14.2–99 4.36S 131.42E 34–1 3.7b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=78.7km s-min=25.2km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=52.0km s-min=18.5km az=170.3.
AUST Error ellipse: s-maj=3.0km s-min=1.0km az=39.0.
IDC IV 07 08 42 48.6–1.3 3.21S 135.86E 0 3.9,3.9L
¶16152497
IDC Error ellipse: s-maj=59.6km s-min=26.6km az=86.0.
IDC IV 07 10 19 06.4–1.3 0.70S 133.18E 0 3.8,3.5
¶16152499
IDC Error ellipse: s-maj=60.7km s-min=16.4km az=86.0.
IDC IV 07 15 03 51.2–.82 0.55N 135.02E 0 4.1,4.0
¶16152512
IDC Error ellipse: s-maj=37.3km s-min=11.9km az=78.0.
ISC IV 08 00 11 11.0–1.8 0.8S–.10 131.9E–.10 35 4.0b 8 1-64
IDC IV 08 00 11 02.2–2.0 0.23S 133.18E 0 4.0,4.0 ¶16152521
AUST IV 08 00 11 17.2 1.49S 130.50E 5 4.0,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=96.1km s-min=18.8km az=77.0.
ISC IV 08 18 00 01.5–1.2 0.83S–.09 134.1E–.30 27 3.6b 13 5-86
IDC IV 08 17 59 57.4–1.1 0.71S 134.17E 0 4.3,4.3s ¶16152553
ISCJB IV 08 17 59 59.7–.92 0.77S–.06 134.1E–.20 27 4.3s,3.7b
AUST IV 08 18 00 38.8–13 3.43S 133.65E 139–0 4.3s,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=47.2km s-min=18.7km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=34.8km s-min=8.2km az=175.1.
AUST Error ellipse: s-maj=8.4km s-min=1.6km az=232.0.
ISC IV 09 01 31 08.0–1.1 0.75S–.10 133.77E–.06 32 10 2-65
IDC IV 09 01 31 04.3–2.7 0.76S 133.85E 0 3.7L,3.6 ¶12934921
ISCJB IV 09 01 31 08.6–.89 0.79S–.09 133.62E–.05 32 3.1b,3.6
DJA IV 09 01 31 10.0–4.5 1S–6.0 134E–5.0 37–55 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC IV 09 14 15 56.1–.90 0.64S–.07 133.18E–.09 32 4.0b 24 2-86
IDC IV 09 14 15 51.2–.89 0.54S 133.24E 0 4.0,4.0b ¶15153629
ISCJB IV 09 14 15 54.0–.71 0.64S–.06 133.29E–.07 32 3.9b,4.0b
AUST IV 09 14 16 00.8 0.98S 133.00E 100 3.9b,4.0b
DJA IV 09 14 16 00.7–.80 1S–8.0 133E–5.0 10 5.5b,5.0b
ISC Event type ke.
ISCJB Event type ke.
IDC IV 09 15 16 06.1–2.8 0.78S 133.29E 0 3.8,3.8L
¶16152593
IDC Error ellipse: s-maj=124.7km s-min=23.4km az=79.0.
ISC IV 10 02 58 18.9–1.6 0.6S–.10 132.7E–.10 33 3.6b 9 1-65
AUST IV 10 02 57 26.4–99 2.87N 135.15E 0–0 3.6b ¶16152611
IDC IV 10 02 58 13.1–1.9 0.35S 132.97E 0 3.8,3.7b
ISC Event type ke.
AUST Error ellipse: s-maj=1.9km s-min=1.1km az=260.0.
IDC Error ellipse: s-maj=81.1km s-min=23.1km az=74.0.
IDC IV 11 17 59 03.4–2.7 0.70S 132.98E 0 3.6,3.4
¶16152673
IDC Error ellipse: s-maj=141.1km s-min=25.8km az=74.0.
ISC IV 15 15 51 33.2–.31 2.07S–.04 133.55E–.05 21–3 4.8b,4.1s 192 2-152
BJI IV 15 15 51 30.6 2.00S 133.60E 15 5.1b,4.8b ¶15153730
GCMT IV 15 15 51 32.7–.20 1.97S 133.66E 12 5.0W,4.8b
IDC IV 15 15 51 33.1–2.7 1.95S 133.66E 22–16 4.5,4.4
ISCJB IV 15 15 51 33.5–.81 2.05S–.04 133.64E–.04 40–7 4.7b,4.2s
NEIC IV 15 15 51 35.5–1.3 2.04S 133.62E 46–13 4.7b,4.2s
AUST IV 15 15 51 36.2 1.98S 133.51E 60 4.7b,4.2s
DJA IV 15 15 51 39.4–.40 2S–5.0 133E–4.0 10 5.1b,5.0
ISC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s37,c49; s75,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}2.90±.08 $M_{\theta\theta}$-2.96±.06; $M_{\phi\phi}$0.06±.09; $M_{r\theta}$0.86±.21; $M_{\theta\phi}$0.90±.06; $M_{\phi r}$1.35±.29; Best double couple: NP1:ϕ_s308.00000°,δ45.00000°,λ125.00000°. NP2:ϕ_s82.00000°,δ54.00000°,λ60.00000°. Principal axes: T 3.6300,Plg65.0000° ,Azm294.0000°; N -0.3900,Plg24.0000°,Azm101.0000°; P -3.2500,Plg5.0000° ,Azm193.0000° M_o3.40000×10^{16}

ISCJB Event type se.
NEIC Event type se.
ISC IV 17 18 29 30.4–.46 0.49S–.03 132.87E–.04 27–3 4.8b,4.0s 254 2-153
BJI IV 17 18 29 21.3 1.05S 133.19E 14 4.9b,4.8b **¶15153773**
AUST IV 17 18 29 29.4 0.49S 133.00E 25 4.9b,4.8b
IDC IV 17 18 29 30.3–2.8 0.45S 132.89E 26–17 5.0L,4.5
ISCJB IV 17 18 29 30.2–.56 0.45S–.03 132.90E–.03 40–5 4.8b,4.0s
NEIC IV 17 18 29 32.2–.26 0.51S 132.75E 45 4.7b,4.0s
DJA IV 17 18 29 33.5–.70 1S–3.0 133E–2.0 40–6 5.5b,5.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IV 18 01 50 17.1–11 1.21S 136.54E 0 4.0,4.0b
¶16152963

IDC Error ellipse: s-maj=177.1km s-min=118.5km az=146.0.
IDC IV 18 06 02 55.2–1.1 0.90S 132.77E 0 4.2,4.1b
¶16152970

IDC Error ellipse: s-maj=55.3km s-min=18.3km az=79.0.
ISC IV 18 23 46 48.9–.84 3.52S–.06 131.86E–.07 35 3.5b 14 1-76
IDC IV 18 23 46 43.8–1.6 3.51S 132.31E 0 3.8,3.8L **¶12935596**
DJA IV 18 23 46 45.4–.60 3S–3.0 132E–3.0 139–7 4.0,4.0
ISCJB IV 18 23 46 47.6–.56 3.47S–.05 131.74E–.07 33 3.4b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC IV 19 21 03 25.0–2.3 0.68S 133.39E 0 5.3L,3.6
¶16153089

IDC Error ellipse: s-maj=117.0km s-min=26.6km az=72.0.
IDC IV 20 10 59 14.8–2.2 0.73S 133.27E 0 3.7,3.6b
¶16153133

IDC Error ellipse: s-maj=81.7km s-min=27.1km az=75.0.
ISC IV 20 11 32 10.4–1.2 0.5S–.10 133.0E–.30 10 4.1b 8 12-86
ISCJB IV 20 11 32 08.7–1.0 0.5S–.10 132.9E–.30 10 4.5s,3.9b **¶16153136**
IDC IV 20 11 32 09.0–1.2 0.42S 133.06E 0 4.1,4.0L
AUST IV 20 11 34 14.1–.00 9.96S 131.39E 165–1 4.1,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=44.8km s-min=15.3km az=178.8.
IDC Error ellipse: s-maj=59.0km s-min=20.1km az=82.0.
AUST Error ellipse: s-maj=2.7km s-min=0.9km az=277.0.
IDC IV 20 12 30 37.5–5.4 3.37S 131.64E 0 3.8,3.6
¶16153138

IDC Error ellipse: s-maj=376.3km s-min=28.8km az=73.0.
IDC IV 20 13 05 47.5–5.4 3.51S 131.69E 0 3.4,3.2
¶16153140

IDC Error ellipse: s-maj=379.3km s-min=28.6km az=73.0.
IDC IV 20 14 09 57.6–5.2 3.50S 131.28E 0 3.2,3.2
¶16153148

IDC Error ellipse: s-maj=380.7km s-min=28.5km az=72.0.
IDC IV 20 22 19 02.9–5.7 3.33S 132.07E 0 4.0,3.8
¶16153174

IDC Error ellipse: s-maj=380.8km s-min=28.4km az=74.0.
IDC IV 21 03 50 57.9–4.3 0.66S 136.63E 0 3.8,3.6
¶16153185

IDC Error ellipse: s-maj=192.2km s-min=29.1km az=80.0.
IDC IV 21 09 29 12.9–5.6 3.46S 131.92E 0 3.5,3.3
¶16153200

IDC Error ellipse: s-maj=382.7km s-min=29.0km az=74.0.
IDC IV 21 15 08 21.1–5.3 3.81S 131.56E 0 3.2,3.2
¶16153218

IDC Error ellipse: s-maj=379.4km s-min=29.3km az=73.0.
ISC IV 21 19 59 34.6–.93 0.90S–.07 133.46E–.09 29 4.0b 26 2-86
IDC IV 21 19 59 29.7–.98 0.71S 133.33E 0 4.6L,4.2 **¶15153868**
ISCJB IV 21 19 59 31.7–.70 0.76S–.05 133.50E–.07 29 4.0b,4.2
AUST IV 21 19 59 32.3 0.98S 133.50E 10 4.0b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=43.4km s-min=16.8km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=6.9km az=171.0.
IDC IV 23 01 22 46.2–6.0 4.77S 133.92E 0 4.0,3.8
¶16153287

IDC Error ellipse: s-maj=340.0km s-min=31.4km az=78.0.
ISC IV 23 01 59 24.7–.48 4.65S–.04 134.01E–.05 21 4.3b 64 1-150
IDC IV 23 01 59 21.7–.77 4.72S 133.87E 0 4.4,4.3 **¶15153918**
ISCJB IV 23 01 59 23.0–.35 4.75S–.03 133.93E–.04 21 4.2b,3.3s
NEIC IV 23 01 59 26.6–.53 4.84S 133.84E 35 4.4b,3.3s
AUST IV 23 01 59 27.7–3.2 4.90S 133.94E 31–0 4.4b,3.3s
DJA IV 23 01 59 30.5–.60 4S–3.0 134E–4.0 30–7 5.7b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IV 23 06 08 03.5–1.1 0.95S–.07 133.58E–.10 29 3.7b 13 2-86
AUST IV 23 06 07 58.7–.16 0.54S 133.79E 4–1 3.7b **¶15153915**
IDC IV 23 06 07 59.4–1.2 0.69S 133.67E 0 3.9,3.9s
ISC Event type ke.
AUST Error ellipse: s-maj=3.7km s-min=1.5km az=38.0.
IDC Error ellipse: s-maj=57.2km s-min=20.4km az=84.0.
IDC IV 24 11 49 11.7–2.1 0.38S 133.12E 0 3.4,3.3
¶16153335

IDC Error ellipse: s-maj=129.6km s-min=22.7km az=77.0.
ISC IV 24 18 37 08.3–1.6 0.41S–.06 132.75E–.05 1–10 4.3b 53 2-86
IDC IV 24 18 37 07.5–.75 0.44S 132.78E 0 4.2,4.1 **¶16489725**
NEIC IV 24 18 37 12.6–.35 0.51S 132.70E 35 4.2b,4.1
DJA IV 24 18 37 14.4–.50 0S–4.0 133E–2.0 61–11 5.2b,4.9b
ISC Event type se.
NEIC Event type se.
IDC IV 25 16 42 38.9–3.0 2.72S 136.90E 0 3.3,3.2
¶16153385

IDC Error ellipse: s-maj=118.3km s-min=30.1km az=81.0.
IDC IV 26 23 13 03.2–5.6 0.89S 132.65E 0 3.5,3.3
¶16154538

IDC Error ellipse: s-maj=343.5km s-min=28.0km az=74.0.
IDC IV 27 08 25 04.8–2.6 0.42S 132.87E 0 3.6,3.5
¶16154549

IDC Error ellipse: s-maj=103.0km s-min=28.0km az=77.0.
ISC IV 27 09 44 57.6–1.4 0.74S–.08 133.2E–.10 32 3.5b 16 2-69
IDC IV 27 09 44 52.0–2.7 0.63S 132.99E 0 3.6,3.5b **¶15153989**
AUST IV 27 09 44 54.2 0.49S 133.50E 25 3.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=131.3km s-min=22.5km az=79.0.
IDC IV 27 18 45 28.0–3.6 2.10S 134.99E 0 3.4,3.2
¶16154572

IDC Error ellipse: s-maj=171.1km s-min=28.9km az=79.0.
ISC IV 28 22 37 46.1–1.4 4.18S–.09 132.3E–.20 10 6 1-19
IDC IV 28 22 37 38.8–2.3 4.28S 129.26E 0 3.7,3.6b **¶16360038**
AUST IV 28 22 37 48.9–.00 4.11S 132.13E 62–0 3.7,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=159.8km s-min=29.8km az=69.0.
AUST Error ellipse: s-maj=2.1km s-min=1.1km az=243.0.
IDC IV 29 00 51 47.6–1.9 0.52S 132.98E 0 3.9,3.7
¶16154602

IDC Error ellipse: s-maj=97.7km s-min=21.6km az=77.0.
ISC IV 29 02 42 31.6–1.1 1.20S–.08 133.48E–.04 75–11 3.8b 18 1-87
IDC IV 29 02 42 21.4–1.3 0.69S 133.37E 0 4.1,3.9 **¶12936453**
DJA IV 29 02 42 30.9–.50 1S–5.0 134E–2.0 66–9 4.2b,4.0
ISCJB IV 29 02 42 30.1–.66 1.17S–.07 133.49E–.04 84–7 3.7b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC IV 29 10 16 54.6–2.7 1.75S 140.24E 0 3.8,3.8L
¶16154616

IDC Error ellipse: s-maj=93.8km s-min=22.7km az=93.0.
ISC IV 30 05 13 58.8–1.9 4.2S–.10 136.2E–.20 35 10 9-69
IDC IV 30 05 13 53.8–2.8 3.93S 136.00E 0 4.0,3.8 **¶16360041**
AUST IV 30 05 14 33.0–.04 6.00S 134.51E 57–1 4.0,3.8

ISC Event type ke.
IDC Error ellipse: s-maj=100.4km s-min=28.4km az=86.0.
AUST Error ellipse: s-maj=2.8km s-min=1.0km az=271.0.
ISC IV 30 16 17 10.2–1.3 4.32S–.08 134.9E–.10 23 13 3-69
IDC IV 30 16 17 07.7–3.9 4.43S 134.35E 0 3.6,3.4 **¶15154027**
AUST IV 30 16 17 07.7 3.95S 135.52E 100 3.6,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=243.4km s-min=27.0km az=81.0.
ISC V 01 02 48 26.0–1.7 0.6S–.10 133.3E–.10 28 11 2-65
IDC V 01 02 48 19.9–3.0 0.49S 133.71E 0 3.6,3.5b **¶15154039**
ISCJB V 01 02 48 23.4–1.3 0.57S–.08 133.33E–.09 28 3.5b,3.5b
AUST V 01 02 48 30.8–99 0.86S 133.08E 32–2 3.5b,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=142.4km s-min=29.2km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=10.3km az=138.5.
AUST Error ellipse: s-maj=11.9km s-min=1.1km az=230.0.
IDC V 01 05 55 01.5–2.3 0.12S 133.69E 0 3.9,3.7
¶16154690

IDC Error ellipse: s-maj=102.6km s-min=25.1km az=76.0.
ISC V 01 07 31 14.0–.70 0.65S–.05 133.04E–.09 32 4.3b 52 2-130
IDC V 01 07 31 09.0–.81 0.57S 132.88E 0 4.2,4.1 **¶15154044**
NEIC V 01 07 31 17.1–3.0 0.56S 133.02E 63–27 4.1b,4.1
AUST V 01 07 31 21.6 0.98S 133.00E 100 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=11.6km az=75.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=7.6km az=55.0.
ISC V 01 18 56 36.2–.64 0.36S–.04 132.66E–.05 46–5 4.4b,3.3s 123 1-152
BJI V 01 18 56 22.4 1.22S 133.07E 7 4.8b,4.6b **¶15154041**
IDC V 01 18 56 29.5–.68 0.40S 132.64E 0 4.5,4.4
NEIC V 01 18 56 31.5–5.0 0.38S 132.61E 12–31 4.4b,4.4
DJA V 01 18 56 33.7–1.0 0S–4.0 133E–2.0 10 5.4b,4.9
ISCJB V 01 18 56 34.6–.66 0.37S–.04 132.67E–.04 49–6 4.4b,3.5s
AUST V 01 18 56 37.8 0.49S 132.50E 60 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=11.1km az=74.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.2km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.8km az=40.1.
ISC V 02 00 58 02.6–2.8 0.33S–.05 132.86E–.04 11–17 4.3b,3.5s 58 2-154
IDC V 02 00 58 00.9–.63 0.35S 132.88E 0 4.5,4.3L **¶15154063**
DJA V 02 00 58 05.3–.60 0S–5.0 133E–3.0 58–15 5.3b,5.3b
AUST V 02 00 58 06.5 0.49S 133.00E 35 5.3b,5.3b
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=13.4km az=69.0.
ISC V 03 16 49 14.9–1.5 0.4S–.10 133.11E–.06 32 13 2-32
ISCJB V 03 16 49 13.9–1.3 0.2S–.10 132.99E–.05 32 3.6b **¶13678283**
DJA V 03 16 49 16.4–.80 0S–6.0 133E–3.0 13 5.8b,5.3
IDC V 03 16 49 17.1–14 0.91S 133.31E 0 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=7.0km az=7.9.
IDC Error ellipse: s-maj=217.9km s-min=96.3km az=164.0.
ISC V 03 18 16 21.0–.79 3.80S–.06 131.15E–.08 29 17 1-66
ISCJB V 03 18 16 19.7–.84 3.88S–.05 131.2E–.10 29 3.7b **¶15154084**
IDC V 03 18 16 20.9–1.8 4.15S 130.86E 0 4.0,3.8
AUST V 03 18 16 21.5–.01 3.63S 131.61E 123–0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=5.5km az=18.6.
IDC Error ellipse: s-maj=77.7km s-min=24.4km az=74.0.
AUST Error ellipse: s-maj=1.8km s-min=1.3km az=240.0.
DJA V 03 19 39 11.7–1.1 3S–8.0 133E–4.0 72–10 3.5,3.5
¶15852930

ISC V 04 03 33 51.9–.24 3.59S–.03 135.49E–.03 53–1 5.6b,4.8s 985 2-167
AUST V 04 03 33 45.8–.79 3.62S 135.53E 0–0 5.6b,4.8s **¶15154101**
BJI V 04 03 33 47.7 3.75S 135.96E 58 5.6b,5.4b
MOS V 04 03 33 48.7–.97 3.45S 135.45E 33 5.8b,4.5s
ISCJB V 04 03 33 50.1–.42 3.56S–.02 135.55E–.02 49–3 5.6b,4.7s
NEIC V 04 03 33 52.4–.66 3.54S 135.50E 57–5 5.6b,5.5W
TEH V 04 03 33 52.0 3.56S 135.53E 51 5.6L,5.5W
IDC V 04 03 33 52.7–.46 3.54S 135.43E 55–3 5.1,5.1
DJA V 04 03 33 53.3–.20 4S–2.0 136E–2.0 45–3 5.9b,5.8
GCMT V 04 03 33 55.9–.10 3.62S 135.53E 57–0 5.4W,5.8
ISC Event type fe.
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=37.0.
MOS Error ellipse: s-maj=9.3km s-min=5.0km az=112.8.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.1km az=138.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.4km az=64.0. Felt [III] at Nabire. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}1.64 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$-0.90 $M_{r\theta}$-0.03 $M_{\theta\phi}$1.00 $M_{\phi r}$0.02 Best double couple: NP1:ϕ_s317.00000°,δ46.00000°,λ89.00000°. NP2: ϕ_s138.00000°,δ44.00000°,λ91.00000°. Principal axes: T 1.6400,Plg89.0000°,Azm188.0000° ; N 0.1800,Plg0.0000°,Azm317.0000°; P -1.8200,Plg0.0000°,Azm47.0000° $M_0$1.70000×10^{17}
IDC Error ellipse: s-maj=12.8km s-min=7.8km az=74.0.
GCMT Event type se. Data Used: ll IU CN IC G. Surface waves: sta= 91, comp=155, per= 50. Moment Tensor Solution. s91,c168; s16,c17; Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.02 $M_{\theta\theta}$-1.55±.02; $M_{\phi\phi}$0.33±.02; $M_{r\theta}$0.31±.02; $M_{\theta\phi}$0.25±.02; $M_{\phi r}$-0.37±.02; Best double couple: NP1:ϕ_s260.00000°,δ41.00000°,λ63.00000°. NP2:ϕ_s114.00000°,δ55.00000°,λ112.00000°. Principal axes: T 1.3700,Plg71.0000°,Azm77.0000°; N 0.2600,Plg18.0000°,Azm281.0000° ; P -1.6300,Plg7.0000°,Azm189.0000° $M_0$1.50000×10^{17}
ISC V 04 19 56 14.4–2.2 0.1N–.10 132.7E–.10 35 4 2-5
ISCJB V 04 19 56 12.9–1.8 0.2N–.10 132.8E–.10 35 **¶15852933**
DJA V 04 19 56 14.1–.90 0N–7.0 133E–6.0 121–17 5.9b,5.7b
ISC Event type ke.
ISCJB Event type ke.
ISC V 04 23 21 02.5–1.5 0.4S–.10 133.0E–.10 32 4.0b 12 2-65
AUST V 04 23 20 50.2–.04 0.30N 133.42E 63–0 4.0b **¶15154110**
IDC V 04 23 20 58.8–1.8 0.56S 132.58E 0 4.0,3.8
ISCJB V 04 23 21 00.1–1.4 0.6S–.10 133.11E–.09 32 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC V 07 03 32 30.9–.51 0.75S–.05 130.30E–.07 35 4.4b,3.4s 53 3-96
BJI V 07 03 32 21.6 1.23S 130.63E 13 4.9b,4.5b **¶15154200**
IDC V 07 03 32 26.4–.76 0.59S 130.46E 0 4.4,4.2
ISCJB V 07 03 32 29.3–.40 0.71S–.04 130.39E–.07 33 4.3b,3.5s
NEIC V 07 03 32 30.2–4.8 0.62S 130.42E 26–35 4.7b,3.5s
AUST V 07 03 32 32.9 0.99S 130.50E 35 4.7b,3.5s
DJA V 07 03 32 33.7–4.0 1S–5.0 130E–4.0 35–47 4.5,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 07 06 47 07.0–1.4 2.23S 136.41E 0 4.3L,3.9
¶16155476

IDC Error ellipse: s-maj=63.6km s-min=26.0km az=89.0.
ISC V 07 23 06 15.2–1.7 4.80S–.08 134.2E–.20 28 13 3-69
AUST V 07 23 06 09.9–99 4.60S 134.42E 0–3 **¶15154207**
IDC V 07 23 06 14.6–3.1 4.87S 133.53E 0 3.9,3.7
ISC Event type ke.
AUST Error ellipse: s-maj=4.1km s-min=1.1km az=252.0.
IDC Error ellipse: s-maj=129.3km s-min=30.3km az=81.0.
ISC V 09 00 29 50.8–.64 0.43S–.04 132.46E–.04 47–6 4.4b,4.2s 97 1-152
IDC V 09 00 29 44.2–.69 0.27S 132.57E 0 4.6L,4.5 **¶15154224**
DJA V 09 00 29 47.2–.30 0S–3.0 133E–3.0 10 5.5b,5.0
ISCJB V 09 00 29 48.4–.71 0.39S–.04 132.52E–.04 38–7 4.4b,4.2s
GCMT V 09 00 29 48.9–.20 0.33S 132.43E 17–1 5.1W,4.2s
NEIC V 09 00 29 49.6–.33 0.34S 132.48E 35 4.5b,4.2s
BJI V 09 00 29 49.5 0.40S 132.40E 33 4.9b,4.6b
AUST V 09 00 29 51.4 0.49S 132.50E 60 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=11.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=40.0.
GCMT Event type se. Data Used: ll IU IC CN G. Moment Tensor Solution. s42,c55; s71,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}3.72±.23 $M_{\theta\theta}$-3.82±.15; $M_{\phi\phi}$0.10±.17; $M_{r\theta}$-2.51±.38; $M_{\theta\phi}$2.32±.10; $M_{\phi r}$1.91±.52; Best double couple: NP1:ϕ_s102.00000°,δ28.00000°,λ71.00000°. NP2:ϕ_s304.00000°,δ63.00000°,λ100.00000°. Principal axes: T 4.8200,Plg70.0000° ,Azm235.0000°; N 1.0700,Plg9.0000°,Azm120.0000°; P -5.8900,Plg18.0000°,Azm27.0000°

$M_0$5.40000×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.8km az=58.0.
ISC V 09 00 40 10.3–.48 0.38S–.06 132.48E–.04 33 4.4b 58 1-152
IDC V 09 00 40 05.3–.64 0.35S 132.50E 0 4.5L,4.4 ¶13678583
ISCJB V 09 00 40 08.7–.37 0.35S–.04 132.47E–.04 33 4.3b,4.4
DJA V 09 00 40 09.8–.30 1S–4.0 133E–2.0 10 5.5b,4.9
NEIC V 09 00 40 11.4–1.7 0.44S 132.34E 43–16 4.4b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=11.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=34.8.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.0km az=58.0.
IDC V 10 06 10 42.6–2.5 4.26S 135.49E 0 3.9s,3.9
¶16155572

IDC Error ellipse: s-maj=81.4km s-min=28.9km az=84.0.
ISC V 11 18 17 42.3–9.2 1.5S–.80 133.5E–.40 35 7 7-66
IDC V 11 18 17 29.2–2.3 0.87S 133.11E 0 3.9,3.7 ¶16155646
AUST V 11 18 19 05.2–.02 7.72S 132.64E 183–1 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=95.1km s-min=24.2km az=78.0.
AUST Error ellipse: s-maj=2.8km s-min=1.1km az=315.0.
ISC V 11 21 01 43.6–3.2 0.4S–.30 133.1E–.10 35 9 2-32
IDC V 11 21 01 39.8–14 0.46S 132.95E 0 3.9b,3.8 ¶15154268
AUST V 11 21 01 52.9 0.99S 132.50E 100 3.9b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=212.8km s-min=78.6km az=167.0.
IDC V 11 21 28 18.8–2.6 1.52S 130.97E 0 3.4,3.2
¶16155651

IDC Error ellipse: s-maj=310.3km s-min=26.0km az=77.0.
ISC V 12 10 56 27.1–2.3 2.0S–.10 133.1E–.20 35 11 1-66
IDC V 12 10 56 19.8–2.3 1.76S 133.03E 0 3.8,3.6 ¶15154273
AUST V 12 10 56 26.4 1.98S 133.01E 60 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=91.0km s-min=25.1km az=79.0.
IDC V 13 03 39 46.7–2.6 0.90S 132.46E 0 3.8,3.6
¶16155697

IDC Error ellipse: s-maj=120.9km s-min=24.5km az=78.0.
ISC V 16 01 31 23.2–.42 4.79S–.05 133.90E–.05 28 4.3b 87 2-150
AUST V 16 01 31 19.2–5.5 4.80S 133.89E 0–0 4.3b ¶15154344
IDC V 16 01 31 19.5–.61 4.80S 133.77E 0 4.7L,4.3
ISCJB V 16 01 31 21.3–.33 4.82S–.03 133.84E–.04 28 4.2b,4.3
DJA V 16 01 31 23.2–.60 5S–8.0 134E–3.0 113–15 5.5b,5.1b
NEIC V 16 01 31 24.4–.39 4.87S 133.89E 35 4.5b,5.1b
ISC Event type se.
AUST Error ellipse: s-maj=1.1km s-min=1.0km az=305.0.
IDC Error ellipse: s-maj=34.2km s-min=14.8km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.1km az=176.4.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.0km az=70.0.
IDC V 16 03 56 29.0–3.1 4.75S 133.89E 0 3.7,3.5
¶16155794

IDC Error ellipse: s-maj=130.9km s-min=28.8km az=82.0.
IDC V 16 21 07 33.1–2.3 1.77S 132.79E 0 3.8,3.6
¶16155821

IDC Error ellipse: s-maj=95.3km s-min=25.3km az=78.0.
IDC V 17 18 55 15.2–15 0.71N 133.33E 0 3.7,3.5
¶16155853

IDC Error ellipse: s-maj=242.9km s-min=82.8km az=170.0.
ISC V 17 20 42 04.5–1.2 0.84S–.09 132.7E–.10 35 3.9b 19 1-67
IDC V 17 20 41 58.1–1.2 0.53S 132.80E 0 4.0,4.0 ¶15154370
ISCJB V 17 20 42 05.3–1.2 1.00S–.07 132.63E–.10 33 4.0s,3.8b
AUST V 17 20 42 11.1 0.99S 132.00E 100 4.0s,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=57.6km s-min=18.0km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=9.3km az=154.0.
ISC V 19 12 32 02.6–.37 0.73S–.03 133.67E–.05 35–1 4.7b,4.1s 227 1-153
BJI V 19 12 31 54.1 1.46S 134.07E 35 5.0b,4.8b ¶15154402
IDC V 19 12 31 57.3–.56 0.66S 133.69E 0 4.4,4.4
AUST V 19 12 31 58.8–3.3 0.70S 133.63E 0–0 4.4,4.4
ISCJB V 19 12 31 59.3–1.0 0.66S–.03 133.68E–.04 23–7 4.7b,4.0s
MOS V 19 12 32 00.6–1.0 0.67S 133.61E 33 5.0b,4.0s
NEIC V 19 12 32 02.8–.19 0.68S 133.67E 35 4.8b,4.0s
DJA V 19 12 32 02.9–.70 1S–5.0 134E–3.0 19–7 5.3b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC V 19 22 02 21.2–.37 0.37S–.04 132.59E–.05 33 4.4b,3.8s 135 1-152
IDC V 19 22 02 15.6–.57 0.22S 132.77E 0 4.7L,4.4 ¶15154406
DJA V 19 22 02 18.4–.50 0S–7.0 133E–3.0 10 6.5,5.3b
BJI V 19 22 02 19.7 0.27S 132.96E 35 5.0b,4.6b
ISCJB V 19 22 02 19.4–.24 0.28S–.03 132.63E–.04 33 4.4b,3.9s
NEIC V 19 22 02 20.1–2.8 0.28S 132.63E 29–20 4.6b,3.9s
AUST V 19 22 02 24.5 0.99S 132.50E 15 4.6b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=10.3km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.9km az=148.1.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.3km az=65.0.
ISC V 19 22 23 35.6–1.8 3.7S–.10 135.6E–.10 22 10 3-69
IDC V 19 22 23 30.2–2.8 3.48S 135.76E 0 3.8,3.5 ¶15154407
AUST V 19 22 23 36.4–.19 3.65S 135.49E 0–4 3.8,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=100.4km s-min=27.8km az=85.0.
AUST Error ellipse: s-maj=6.4km s-min=1.2km az=236.0.
IDC V 20 04 03 59.4–1.3 0.63S 133.65E 0 3.9,3.8L
¶16155934

IDC Error ellipse: s-maj=62.3km s-min=21.9km az=88.0.
ISC V 20 16 42 15.7–1.0 0.73S–.07 132.8E–.10 33 3.9b 22 1-87
IDC V 20 16 42 09.9–.87 0.49S 132.97E 0 4.1,4.1L ¶15154428
AUST V 20 16 42 22.6 0.99S 132.50E 100 4.1,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=12.3km az=76.0.
IDC V 20 20 26 10.5–13 0.72S 133.24E 0 3.7,3.7b
¶16155967

IDC Error ellipse: s-maj=197.3km s-min=80.9km az=169.0.
IDC V 20 21 01 20.0–2.6 2.84S 134.38E 0 4.1,3.9
¶16155968

IDC Error ellipse: s-maj=100.7km s-min=27.2km az=82.0.
IDC V 23 10 43 24.3–13 0.76S 133.09E 0 3.8,3.8L
¶16156047

IDC Error ellipse: s-maj=193.1km s-min=59.6km az=167.0.
ISC V 23 18 04 32.4–.54 0.63S–.03 133.14E–.04 41–4 5.2b,4.2s 398 1-161
IDC V 23 18 04 26.5–.39 0.57S 133.17E 0 5.2L,5.1 ¶12854298
ISCJB V 23 18 04 28.7–.83 0.59S–.03 133.20E–.02 25–6 5.2b,4.2s
BJI V 23 18 04 29.8 1.09S 133.45E 62 5.1b,5.1b
MOS V 23 18 04 30.2–1.0 0.53S 133.11E 33 5.3b,4.2s
NEIC V 23 18 04 30.7–1.8 0.58S 133.17E 29–12 5.2b,4.2s
GCMT V 23 18 04 31.7–.30 0.78S 133.04E 42–1 5.0W,4.2s
DJA V 23 18 04 33.6–.70 1S–3.0 133E–2.0 33–7 5.7b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c40; s60,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.98±.18 $M_{\theta\theta}$1.66±.11; $M_{\phi\phi}$1.32±.13; $M_{r\theta}$-1.65±.09; $M_{\theta\phi}$-1.23±.08; $M_{\phi r}$1.45±.11; Best double couple: NP1:ϕ_s311.00000°,δ26.00000°,λ-90.00000°. NP2:ϕ_s131.00000°,δ64.00000°,λ-90.00000°. Principal axes: T 3.4800,Plg19.0000° ,Azm221.0000°; N 0.2500,Plg0.0000°,Azm311.0000°; P -3.7300,Plg71.0000°,Azm41.0000° $M_0$3.60000×10^{16}
ISC V 23 21 16 13.5–1.1 0.81S–.08 132.95E–.04 32 3.6b 14 1-65
IDC V 23 21 16 08.2–1.9 0.71S 132.99E 0 3.8,3.6 ¶13679494
ISCJB V 23 21 16 11.6–.84 0.64S–.08 132.92E–.05 32 3.6b,3.6
DJA V 23 21 16 13.9–.50 1S–5.0 133E–3.0 87–14 4.0b,3.9
ISC Event type ke.
ISCJB Event type ke.

IDC V 24 00 41 30.8–1.9 0.72S 132.91E 0 3.6,3.6b
¶16156068

IDC Error ellipse: s-maj=82.7km s-min=23.3km az=75.0.
ISC V 25 11 57 21.4–1.3 1.14S–.10 132.84E–.09 35 15 2-32
IDC V 25 11 57 11.4–4.6 0.69S 132.79E 0 4.0,4.0L ¶15155499
AUST V 25 11 57 18.1 0.98S 133.00E 15 4.0,4.0L
ISCJB V 25 11 57 20.4–1.0 1.25S–.07 132.92E–.06 33 3.8b,4.0L
ISC Event type ke.
ISCJB Event type ke.
IDC V 26 01 20 05.0–2.6 0.61S 131.70E 0 3.8,3.6
¶16156166

IDC Error ellipse: s-maj=125.7km s-min=24.5km az=76.0.
ISC V 27 05 38 17.8–.94 2.15S–.07 134.06E–.05 25 12 1-67
IDC V 27 05 38 16.2–2.7 2.16S 133.90E 0 4.0,3.8 ¶13679722
DJA V 27 05 38 16.6–1.0 2S–6.0 134E–4.0 10 3.6,3.6
ISCJB V 27 05 38 17.6–.62 2.14S–.05 134.02E–.05 25 3.7b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC V 28 19 15 28.2–2.6 0.64S 133.38E 0 3.7,3.6b
¶16156282

IDC Error ellipse: s-maj=103.9km s-min=26.3km az=79.0.
ISC V 29 04 35 11.7–.96 2.62S–.07 134.5E–.10 30 4.0b 14 2-67
IDC V 29 04 35 09.7–1.6 2.77S 134.24E 0 4.2,4.1 ¶15155575
AUST V 29 04 35 09.7 2.47S 134.51E 60 4.2,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=63.0km s-min=20.8km az=64.0.
IDC V 29 13 58 23.3–3.5 0.87S 133.26E 0 3.8,3.6
¶16156315

IDC Error ellipse: s-maj=190.4km s-min=28.8km az=75.0.
IDC V 30 13 27 43.2–2.3 0.28S 132.52E 0 3.5,3.3
¶16066081

IDC Error ellipse: s-maj=96.3km s-min=24.8km az=77.0.
ISC VI 01 13 22 37.8–1.1 2.5N–.10 133.2E–.20 35 4.0b,3.5s 22 9-98
IDC VI 01 13 22 32.8–1.1 2.53N 133.24E 0 3.9,3.8b ¶13680109
NEIC VI 01 13 22 34.3–.50 2.50N 133.20E 10 4.5b,3.8b
ISCJB VI 01 13 22 36.0–.64 2.49N–.08 133.2E–.10 33 4.0b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 03 04 15 21.9–3.5 2.49S 135.12E 0 3.6,3.5b
¶16100884

IDC Error ellipse: s-maj=168.7km s-min=28.3km az=79.0.
ISC VI 03 16 44 09.6–.63 2.75S–.07 134.43E–.06 18 4.2b 20 1-151
ISCJB VI 03 16 44 07.5–.46 2.83S–.04 134.42E–.05 18 4.2b,3.3s ¶13680354
IDC VI 03 16 44 07.2–.66 2.75S 134.23E 0 4.4,4.4
DJA VI 03 16 44 12.8–.60 3S–10 134E–3.0 67–27 4.4,4.4
ISC Event type ke.
ISCJB Event type ke.
IDC VI 04 12 22 32.6–4.0 0.93S 130.40E 0 3.6,3.6b
¶16100938

IDC Error ellipse: s-maj=329.9km s-min=23.4km az=71.0.
IDC VI 04 23 15 58.4–.89 0.64S 133.34E 0 4.2,4.1
¶16100964

IDC Error ellipse: s-maj=39.1km s-min=13.0km az=78.0.
IDC VI 05 19 31 17.4–3.0 1.27S 133.43E 0 3.5,3.4L
¶16100992

IDC Error ellipse: s-maj=129.3km s-min=25.1km az=79.0.
ISC VI 06 08 34 59.2–2.7 0.9S–.20 133.3E–.30 29 11 2-32
AUST VI 06 08 34 55.7 0.98S 133.50E 0 ¶15155791
IDC VI 06 08 34 57.6–3.1 1.18S 133.02E 0 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=90.4km s-min=28.1km az=86.0.
ISC VI 07 08 42 43.9–1.4 2.94S–.09 134.4E–.10 18 4.0b 14 2-88
IDC VI 07 08 42 39.0–1.3 2.64S 134.97E 0 4.2,4.0 ¶15155851
ISCJB VI 07 08 42 41.4–1.1 2.89S–.07 134.5E–.10 18 3.9b,4.0
AUST VI 07 08 42 48.6 2.97S 134.01E 60 3.9b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=57.7km s-min=22.6km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=10.7km az=176.5.
ISC VI 08 12 40 08.7–1.2 1.04S–.09 130.9E–.20 35 10 0-64
AUST VI 08 12 39 19.2–11 2.53N 133.93E 47–1 ¶16101104
IDC VI 08 12 40 01.2–2.5 0.67S 131.49E 0 3.8,3.6
ISC Event type ke.
AUST Error ellipse: s-maj=6.2km s-min=1.4km az=248.0.
IDC Error ellipse: s-maj=125.6km s-min=24.2km az=76.0.
IDC VI 10 00 50 00.7–1.9 0.76S 133.22E 0 3.9,3.8
¶16101166

IDC Error ellipse: s-maj=79.1km s-min=24.3km az=75.0.
ISC VI 12 08 22 14.8–.62 0.30S–.08 132.98E–.05 32 4.3b,3.7s 43 2-152
IDC VI 12 08 22 09.8–.92 0.29S 133.12E 0 4.3,4.1 ¶13681208
ISCJB VI 12 08 22 13.4–.45 0.24S–.06 132.97E–.04 32 4.2b,3.7s
NEIC VI 12 08 22 15.1–.47 0.34S 133.00E 35 4.4b,3.7s
DJA VI 12 08 22 16.6–1.4 1S–7.0 133E–2.0 22–16 5.3b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VI 13 20 46 00.1–2.6 4.81S 133.80E 0 3.7,3.7L
¶16101293

IDC Error ellipse: s-maj=122.8km s-min=26.3km az=84.0.
IDC VI 16 21 59 28.9–2.2 0.40S 133.07E 0 4.0s,4.0
¶16101418

IDC Error ellipse: s-maj=118.7km s-min=23.9km az=72.0.
IDC VI 17 12 02 29.2–2.6 1.89S 133.90E 0 3.9,3.7
¶16101436

IDC Error ellipse: s-maj=90.6km s-min=28.6km az=80.0.
IDC VI 18 08 52 26.4–2.4 4.25S 135.45E 0 3.4,3.3
¶16101461

IDC Error ellipse: s-maj=90.6km s-min=28.5km az=80.0.
IDC VI 18 23 23 02.2–2.5 0.65S 132.80E 0 3.7,3.6L
¶16101484

IDC Error ellipse: s-maj=99.3km s-min=26.6km az=78.0.
IDC VI 20 05 18 09.9–1.9 0.69S 133.00E 0 4.0,3.9L
¶16101523

IDC Error ellipse: s-maj=78.7km s-min=23.1km az=75.0.
IDC VI 21 14 13 36.9–2.7 0.26S 132.03E 0 3.8,3.6
¶16101575

IDC Error ellipse: s-maj=118.5km s-min=26.8km az=77.0.
ISC VI 22 23 48 36.5–.44 4.99S–.05 134.03E–.05 28 4.2b,3.9s 76 3-152
BJI VI 22 23 48 33.2 4.80S 134.10E 15 4.9b,3.9s ¶13217760
IDC VI 22 23 48 33.2–.63 4.88S 134.01E 0 4.6,4.5
ISCJB VI 22 23 48 34.2–.38 4.97S–.04 134.03E–.04 28 4.3b,3.9s
DJA VI 22 23 48 34.5–.40 5S–3.0 134E–3.0 10 5.4b,5.3
NEIC VI 22 23 48 37.9–.53 5.07S 133.99E 35 4.4b,5.3
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=14.4km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.3km az=140.1.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.1km az=54.0.
IDC VI 24 05 16 59.1–3.1 1.60S 132.25E 0 3.8,3.7b
¶16101679

IDC Error ellipse: s-maj=45.0km s-min=25.9km az=99.0.
IDC VI 24 12 18 06.4–2.3 0.48S 132.72E 0 3.4,3.3
¶16101694

IDC Error ellipse: s-maj=95.5km s-min=24.5km az=78.0.
IDC VI 26 07 48 39.2–1.8 4.18S 133.45E 0 3.9,3.9b
¶16101740

IDC Error ellipse: s-maj=66.1km s-min=26.5km az=69.0.
ISC VI 27 01 30 41.6–.66 0.60S–.07 133.22E–.06 32 4.2b 45 1-151
IDC VI 27 01 30 36.5–.78 0.69S 133.11E 0 4.5L,4.3 ¶13682102
ISCJB VI 27 01 30 39.6–.44 0.61S–.05 133.27E–.05 32 4.2b,4.3
NEIC VI 27 01 30 43.3–2.4 0.69S 133.27E 51–23 4.3b,4.3
DJA VI 27 01 30 46.0–.60 1S–9.0 133E–5.0 112–6 5.2b,5.0b

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VI 27 02 13 14.0–2.2 1.04S 130.65E 0 3.4,3.3
¶16101768

IDC Error ellipse: s-maj=127.2km s-min=21.1km az=75.0.
ISC VI 27 22 13 24.3–1.1 5.00S–.06 133.1E–.10 35 11 2-68
IDC VI 27 22 13 20.5–5.4 5.09S 133.08E 0 3.9,3.8L **¶15156296**
AUST VI 27 22 13 23.4 4.96S 133.53E 35 3.9,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=328.1km s-min=30.7km az=76.0.
IDC VI 28 04 02 20.5–2.9 4.21S 133.09E 0 3.6,3.5
¶16101808

IDC Error ellipse: s-maj=130.5km s-min=28.1km az=80.0.
IDC VI 29 07 13 13.2–1.8 0.56S 132.80E 0 4.0,3.9
¶16101853

IDC Error ellipse: s-maj=55.6km s-min=25.9km az=73.0.

(197) Near north coast of Irian Jaya.

IDC I 01 17 24 27.6–4.4 2.40S 139.65E 0 3.5L,3.4
DJA I 01 17 24 27 2.00S 138.71E 97 3.3,3.4 **¶12079767**
IDC Error ellipse: s-maj=169.4km s-min=29.7km az=88.0.
IDC I 06 16 25 06.7–4.8 2.37S 139.40E 0 3.5L,3.5
DJA I 06 16 25 11 2.22S 139.13E 22 3.7,3.5 **¶12080525**
IDC Error ellipse: s-maj=188.6km s-min=29.9km az=88.0.
IDC I 09 06 41 20.9–1.3 2.83S 139.80E 0 4.0,4.0L
DJA I 09 06 41 30 2.67S 139.64E 43 4.4b,4.0L **¶12080815**
IDC Error ellipse: s-maj=50.8km s-min=15.8km az=99.0.
IDC I 09 23 56 07.0–3.4 1.44S 137.86E 0 3.4,3.3
¶12080903

IDC Error ellipse: s-maj=137.0km s-min=25.6km az=90.0.
IDC I 16 16 59 12.5–4.8 2.49S 139.47E 0 3.5L,3.4
¶12081454

IDC Error ellipse: s-maj=191.1km s-min=29.0km az=88.0.
IDC I 19 07 29 00.4–5.1 1.66S 138.89E 0 3.6L,3.6
¶12081731

IDC Error ellipse: s-maj=211.7km s-min=28.0km az=85.0.
IDC I 19 21 34 34.8–6.5 2.50S 139.51E 0 3.7,3.5L
¶12081804

IDC Error ellipse: s-maj=262.9km s-min=31.2km az=87.0.
ISC I 20 04 31 49.1–.00 2.84S–.08 139.36E–.07 46 3.8b 9 1-86
IDC I 20 04 31 43.0–1.6 2.89S 139.35E 0 4.2L,4.2 **¶12081831**
ISCJB I 20 04 31 49.0–.83 2.8S–.10 139.38E–.09 46 3.8b,4.2
DJA I 20 04 31 49.4–.70 3S–5.0 139E–5.0 16–12 5.3b,4.8
ISC Event type ke.
ISCJB Event type ke.
IDC I 22 06 28 40.4–1.8 2.86S 140.59E 0 4.1L,3.9
¶12082037

IDC Error ellipse: s-maj=74.2km s-min=25.2km az=94.0.
ISC I 24 17 01 26.1–.37 2.79S–.05 140.85E–.06 23 4.6b 115 0-146
IDC I 24 17 01 22.9–.63 2.76S 140.93E 0 4.5,4.5L **¶12082238**
BJI I 24 17 01 23.9 2.51S 141.06E 11 4.5b,4.4b
ISCJB I 24 17 01 24.1–.28 2.82S–.04 140.98E–.05 23 4.6b,3.5s
DJA I 24 17 01 26 2.80S 140.90E 10 4.7b,3.5s
NEIC I 24 17 01 28.7–1.6 2.85S 140.89E 43–15 4.7b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=12.9km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.9km az=156.3.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.3km az=66.0.
IDC I 26 04 54 37.4–1.8 2.99S 140.34E 0 4.3L,4.2
¶12082352

IDC Error ellipse: s-maj=162.6km s-min=28.8km az=109.0.
ISC I 29 02 44 59.3–.61 1.27S–.09 138.3E–.10 35 4.3b,3.4s 38 12-149
IDC I 29 02 44 54.2–.84 1.13S 138.39E 0 4.4,4.3L **¶12082633**
ISCJB I 29 02 44 57.1–.44 1.25S–.06 138.4E–.10 33 4.2b,3.4s
DJA I 29 02 44 57 1.02S 138.63E 34 4.6,3.4s
NEIC I 29 02 44 58.1–4.1 1.21S 138.39E 26–30 4.3b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=16.7km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=7.0km az=162.3.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.9km az=76.0.
IDC II 09 22 50 54.5–1.5 2.66S 139.21E 0 4.3L,3.9
¶15955317

IDC Error ellipse: s-maj=68.1km s-min=24.8km az=103.0.
IDC II 10 13 49 56.3–1.2 2.43S 139.04E 0 3.9,3.9L
DJA II 10 13 50 01 2.26S 138.97E 23 4.4b,3.9L **¶12699915**
IDC Error ellipse: s-maj=51.9km s-min=20.3km az=94.0.
IDC II 10 18 04 15.2–3.8 2.02S 139.01E 0 3.7,3.7L
DJA II 10 18 04 15 1.52S 138.94E 46 3.8,3.7L **¶12699924**
IDC Error ellipse: s-maj=114.7km s-min=26.4km az=80.0.
ISC II 14 06 22 58.6–1.1 2.45S–.10 140.3E–.30 24 3.9b,3.4s 22 18-85
IDC II 14 06 22 54.1–1.5 2.42S 140.44E 0 4.2L,4.1 **¶12700633**
ISCJB II 14 06 22 56.5–.99 2.40S–.09 140.4E–.20 24 3.8b,3.3s
NEIC II 14 06 22 59.8–.82 2.37S 140.36E 35 4.1b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=60.7km s-min=14.4km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=36.0km s-min=10.0km az=12.0.
NEIC Event type se. Error ellipse: s-maj=35.1km s-min=9.6km az=97.0.
IDC II 16 01 22 44.1–1.8 2.09S 139.80E 0 3.7,3.7
¶15956235

IDC Error ellipse: s-maj=78.1km s-min=25.7km az=92.0.
ISC II 16 21 32 37.1–1.1 2.8S–.10 139.33E–.08 46 6 1-70
IDC II 16 21 32 29.2–4.7 2.72S 139.89E 0 3.6L,3.4 **¶12700947**
ISCJB II 16 21 32 35.8–.90 2.9S–.10 139.33E–.08 46 3.2b,3.4
DJA II 16 21 32 36.9–.50 3S–6.0 139E–3.0 10 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC II 18 03 09 23.7–5.0 2.87S 139.87E 0 3.4,3.4L
¶15956532

IDC Error ellipse: s-maj=196.1km s-min=29.4km az=88.0.
IDC II 21 05 24 45.2–5.8 2.37S 139.22E 0 3.5L,3.3
¶15956861

IDC Error ellipse: s-maj=233.3km s-min=31.7km az=87.0.
IDC II 22 17 17 38.6–5.2 2.86S 139.40E 0 3.4,3.4L
¶15956957

IDC Error ellipse: s-maj=206.0km s-min=29.0km az=87.0.
IDC II 23 03 54 43.8–3.9 2.71S 140.78E 0 3.4,3.2
¶15957029

IDC Error ellipse: s-maj=140.2km s-min=29.6km az=88.0.
IDC II 25 19 03 57.0–4.7 1.45S 137.18E 0 3.6,3.4
¶15957268

IDC Error ellipse: s-maj=206.5km s-min=30.0km az=83.0.
ISC II 27 04 08 38.1–.84 2.59S–.07 139.5E–.20 27 4.1b,3.5s 32 12-144
IDC II 27 04 08 33.8–1.1 2.41S 139.75E 0 4.3L,4.2 **¶12701973**
ISCJB II 27 04 08 36.5–.61 2.55S–.05 139.5E–.10 27 4.0b,3.6s
NEIC II 27 04 08 38.9–.52 2.50S 139.71E 35 4.2b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=17.5km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=6.8km az=1.6.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=7.8km az=86.0.
IDC III 03 19 44 36.6–3.0 1.98S 137.61E 0 3.3,3.1
¶12702378

IDC Error ellipse: s-maj=105.4km s-min=30.5km az=83.0.
IDC III 10 07 22 25.4–6.2 2.37S 139.12E 0 4.0L,3.8
¶12702854

IDC Error ellipse: s-maj=91.5km s-min=74.3km az=164.0.
IDC III 10 16 23 33.1–.75 1.86S 139.18E 0 4.7L,4.4
¶12702887

IDC Error ellipse: s-maj=32.1km s-min=14.9km az=74.0.
ISC III 10 17 42 14.8–.27 1.93S–.03 139.13E–.04 21–3 5.4b,5.1s 566 0-171
BJI III 10 17 42 09.9 2.02S 139.46E 16 5.7b,5.2b **¶11792109**
ISCJB III 10 17 42 10.9–.84 1.91S–.03 139.17E–.03 7–5 5.4b,5.0s
IDC III 10 17 42 11.7–.40 1.89S 139.12E 0 5.1L,5.1b
NEIC III 10 17 42 14.4–2.3 1.88S 139.12E 18–14 5.5b,5.5W
MOS III 10 17 42 15.0–.97 1.88S 139.11E 33 5.6b,4.7s
DJA III 10 17 42 16.8–.70 2S–5.0 139E–4.0 38–5 5.9b,5.6
GCMT III 10 17 42 17.5–.10 1.66S 139.19E 12 5.4W,5.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.4km az=39.9.
IDC Error ellipse: s-maj=15.5km s-min=10.0km az=72.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=56.0. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}0.66 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-0.46 $M_{r\theta}$-0.99 $M_{\theta\phi}$-0.41 $M_{\phi r}$1.18 Best double couple: NP1:ϕ_s329.00000°,δ83.00000°,λ78.00000°. NP2:ϕ_s211.00000°,δ14.00000°,λ151.00000°. Principal axes: T 1.9300,Plg50.0000°,Azm225.0000°; N -0.6700,Plg12.0000°,Azm330.0000°; P -1.2600,Plg37.0000°,Azm70.0000° $M_0$1.70000×10^{17}
MOS Error ellipse: s-maj=11.0km s-min=5.5km az=114.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 113 sta. Moment Tensor Solution. s85,c136; s99,c224; Moment tensor: Scale 10^{17}Nm; M_{rr}1.25±.02 $M_{\theta\theta}$-0.11±.01; $M_{\phi\phi}$-1.14±.02; $M_{r\theta}$-0.67±.04; $M_{\theta\phi}$0.46±.01; $M_{\phi r}$0.82±.04; Best double couple: NP1: ϕ_s171.00000°,δ27.00000°,λ111.00000°. NP2:ϕ_s328.00000°,δ65.00000°,λ80.00000°. Principal axes: T 1.6600,Plg68.0000°,Azm218.0000°; N 0.0100,Plg9.0000°,Azm332.0000°; P -1.6700,Plg19.0000°,Azm65.0000° $M_0$1.70000×10^{17}
ISC III 10 17 52 35.9–.31 1.90S–.04 139.21E–.05 29 5.0b,4.6s 272 2-161
BJI III 10 17 52 29.7 2.34S 139.11E 14 5.2b,4.9s **¶15153137**
AUST III 10 17 52 31.3–2.2 1.80S 139.38E 0–0 5.2b,4.9s
IDC III 10 17 52 31.3–.53 1.91S 139.11E 0 4.8L,4.7
NEIC III 10 17 52 31.7–3.6 1.81S 139.16E 2–22 5.1b,4.7
MOS III 10 17 52 34.2–1.1 1.89S 139.18E 33 5.1b,4.7
ISCJB III 10 17 52 34.0–.24 1.90S–.03 139.21E–.04 29 4.9b,4.7s
DJA III 10 17 52 35.6–1.3 2S–7.0 139E–5.0 20–12 5.3,5.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC III 10 18 10 51.4–1.1 1.8S–.10 139.08E–.07 35 3.6b 10 0-79
DJA III 10 18 10 42.9–1.5 1S–8.0 139E–7.0 19–13 5.5b,5.0 **¶12702895**
IDC III 10 18 10 45.9–2.0 1.86S 139.14E 0 4.1L,3.8
ISCJB III 10 18 10 49.6–.83 1.9S–.10 139.0E–.10 33 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC III 10 18 53 19.2–5.0 1.80S 138.67E 0 3.5L,3.4
¶12702902

IDC Error ellipse: s-maj=205.1km s-min=28.2km az=85.0.
IDC III 10 18 57 52.7–2.0 1.93S 138.81E 0 4.1L,3.8
¶12702903

IDC Error ellipse: s-maj=77.3km s-min=21.5km az=86.0.
IDC III 10 19 01 59.9–1.4 1.81S 139.20E 0 4.2,4.2L
¶12702904

IDC Error ellipse: s-maj=51.0km s-min=17.8km az=75.0.
IDC III 10 19 20 19.6–3.0 1.92S 139.14E 0 3.9,3.8L
¶12702908

IDC Error ellipse: s-maj=86.9km s-min=23.5km az=86.0.
IDC III 10 19 42 32.3–4.2 1.74S 139.88E 0 3.4,3.2b
¶12702912

IDC Error ellipse: s-maj=162.2km s-min=28.6km az=86.0.
IDC III 10 20 42 55.0–4.7 1.85S 138.65E 0 3.6,3.4
¶12702915

IDC Error ellipse: s-maj=190.9km s-min=30.0km az=85.0.
IDC III 10 20 43 49.5–2.1 1.85S 139.05E 0 3.9,3.8L
¶12702916

IDC Error ellipse: s-maj=63.5km s-min=27.6km az=79.0.
IDC III 10 21 32 06.9–1.4 1.88S 139.65E 0 3.8,3.7L
¶12702919

IDC Error ellipse: s-maj=65.9km s-min=24.1km az=95.0.
IDC III 10 22 58 27.2–2.2 1.75S 139.56E 0 3.9,3.9L
¶12702923

IDC Error ellipse: s-maj=75.5km s-min=24.1km az=84.0.
IDC III 11 00 29 36.0–5.0 1.85S 138.77E 0 4.2s,4.2
¶12702932

IDC Error ellipse: s-maj=201.6km s-min=30.6km az=86.0.
IDC III 11 01 06 23.9–3.5 1.71S 139.97E 0 3.6,3.5L
¶12702936

IDC Error ellipse: s-maj=144.5km s-min=24.6km az=88.0.
ISC III 11 02 40 00.3–1.7 1.8S–.20 138.98E–.08 29 8 0-69
IDC III 11 02 39 58.9–3.5 2.07S 139.31E 0 4.0L,3.9 **¶12702940**
DJA III 11 02 39 59.7–.80 2S–5.0 139E–5.0 28–6 4.7b,4.3
ISC Event type ke.
IDC III 11 04 01 32.9–3.1 1.75S 139.88E 0 4.0L,3.8
¶12702950

IDC Error ellipse: s-maj=98.8km s-min=27.0km az=90.0.
IDC III 11 09 48 03.8–4.3 1.94S 139.36E 0 3.9L,3.9
¶12702961

IDC Error ellipse: s-maj=190.0km s-min=24.5km az=88.0.
ISC III 11 09 54 54.1–.59 2.01S–.06 139.07E–.05 29 4.3b,3.5s 52 0-148
IDC III 11 09 54 50.0–.78 1.87S 138.97E 0 4.5L,4.4 **¶12702962**
NEIC III 11 09 54 51.6–.51 1.89S 138.95E 10 4.6b,4.4
ISCJB III 11 09 54 52.3–.46 1.94S–.05 139.06E–.04 29 4.3b,3.5s
DJA III 11 09 54 54.0–.60 2S–10 139E–3.0 46–5 5.7b,5.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC III 11 14 07 34.1–1.6 2.0S–.20 138.95E–.08 30–10 3.8b 10 0-69
IDC III 11 14 07 30.3–2.0 1.99S 138.57E 0 4.7s,4.7 **¶12702970**
ISCJB III 11 14 07 33.9–1.0 2.0S–.10 138.90E–.08 44–11 4.7s,3.7b
DJA III 11 14 07 33.4–.90 2S–8.0 139E–5.0 21–6 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC III 11 14 48 45.8–3.1 1.90S 137.49E 0 3.7L,3.7
¶12702974

IDC Error ellipse: s-maj=119.9km s-min=29.3km az=83.0.
IDC III 11 16 03 08.6–3.9 1.65S 139.75E 0 3.4,3.3
¶12702982

IDC Error ellipse: s-maj=149.2km s-min=29.0km az=86.0.
ISC III 11 20 21 21.3–1.3 1.8S–.20 139.12E–.08 27 7 0-69
IDC III 11 20 21 14.8–3.3 1.81S 140.12E 0 3.9L,3.8 **¶12703008**
DJA III 11 20 21 16.9–1.5 3S–4.0 139E–4.0 11–13 3.9,3.9
ISCJB III 11 20 21 20.2–1.1 1.7S–.10 139.10E–.07 27 3.6b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC III 11 20 31 06.4–4.8 1.91S 139.03E 0 3.3,3.2L
¶12703009

IDC Error ellipse: s-maj=192.7km s-min=28.6km az=86.0.
IDC III 11 21 00 00.5–1.9 1.83S 139.21E 0 4.5,4.4L
¶12703012

IDC Error ellipse: s-maj=64.2km s-min=19.0km az=82.0.
IDC III 11 21 36 49.7–5.1 1.79S 139.77E 0 3.7,3.5
¶12703015

IDC Error ellipse: s-maj=203.1km s-min=27.8km az=86.0.
IDC III 11 21 44 09.9–5.2 1.82S 139.22E 0 3.9,3.7L
¶12703016

IDC Error ellipse: s-maj=210.3km s-min=28.2km az=86.0.
IDC III 11 21 56 47.0–3.1 1.90S 138.23E 0 3.6L,3.6
¶12703017

IDC Error ellipse: s-maj=121.1km s-min=27.6km az=84.0.
IDC III 11 22 03 48.7–5.0 1.82S 138.32E 0 3.3,3.2L
¶12703018

IDC Error ellipse: s-maj=210.2km s-min=28.3km az=85.0.
ISC III 11 22 55 32.4–.48 1.79S–.05 139.23E–.05 29 4.3b,4.0s 75 1-148
AUST III 11 22 55 25.8–4.7 1.50S 139.02E 0–0 4.3b,4.0s **¶15153164**
IDC III 11 22 55 28.0–.75 1.80S 139.20E 0 4.4,4.4L
NEIC III 11 22 55 29.0–4.0 1.78S 139.15E 6–26 4.4b,4.4L
ISCJB III 11 22 55 30.5–.34 1.83S–.04 139.18E–.05 29 4.3b,4.2s

DJA III 11 22 55 36.1–.80 2S–9.0 140E–7.0 98–7 5.3b,4.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 11 23 29 24.9–3.1 1.92S 137.77E 0 3.8L,3.7
¶12703028
IDC Error ellipse: s-maj=113.0km s-min=29.5km az=83.0.
IDC III 12 00 05 21.8–4.6 1.85S 138.31E 0 3.4,3.3
¶12703031
IDC Error ellipse: s-maj=191.6km s-min=28.1km az=85.0.
IDC III 12 00 05 40.7–4.3 1.84S 138.37E 0 4.0,3.9L
¶12703032
IDC Error ellipse: s-maj=176.1km s-min=27.7km az=85.0.
ISC III 12 00 24 44.5–.74 1.90S–.08 139.1E–.20 29 4.0b,3.7s 32 16-148
IDC III 12 00 24 40.1–.82 1.77S 139.19E 0 4.3,4.1b **¶12703034**
ISCJB III 12 00 24 42.5–.68 1.86S–.06 139.1E–.20 29 4.0b,3.7s
NEIC III 12 00 24 45.2–.44 1.82S 139.10E 35 4.0b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=15.9km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=23.7km s-min=8.2km az=178.4.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=7.3km az=80.0.
IDC III 12 00 37 52.9–2.8 1.90S 138.42E 0 3.9L,3.9
¶12703035
IDC Error ellipse: s-maj=116.4km s-min=25.4km az=85.0.
ISC III 12 07 41 37.6–.33 1.94S–.04 139.11E–.04 29 4.7b,4.2s 140 0-148
BJI III 12 07 41 29.9 2.51S 139.34E 25 5.0b,4.7s **¶15153178**
IDC III 12 07 41 31.8–.67 1.91S 139.18E 0 4.5,4.4b
AUST III 12 07 41 32.5–3.1 1.87S 139.08E 0–0 4.5,4.4b
DJA III 12 07 41 34.0–1.4 2S–7.0 139E–4.0 10 5.3b,4.7
ISCJB III 12 07 41 35.2–.33 1.90S–.03 139.19E–.05 29 4.6b,4.1s
NEIC III 12 07 41 36.9–.35 1.83S 139.24E 35 4.5b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=9.3km az=90.0.
AUST Error ellipse: s-maj=1.4km s-min=0.9km az=14.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.5km az=162.1.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=5.9km az=70.0.
IDC III 12 07 56 30.7–2.3 1.88S 138.11E 0 4.1L,4.0
¶12703054
IDC Error ellipse: s-maj=81.0km s-min=23.5km az=89.0.
IDC III 12 08 09 29.0–1.8 1.96S 138.51E 0 4.1L,4.0
¶12703055
IDC Error ellipse: s-maj=66.6km s-min=21.3km az=85.0.
IDC III 12 08 56 12.2–1.6 1.20S 137.31E 0 3.6b,3.6
¶12703058
IDC Error ellipse: s-maj=121.1km s-min=25.4km az=101.0.
IDC III 12 09 46 24.9–3.7 2.04S 140.00E 0 3.5L,3.4
¶12703061
IDC Error ellipse: s-maj=137.9km s-min=28.7km az=87.0.
IDC III 12 11 04 35.5–3.0 1.97S 137.30E 0 3.9L,3.8
¶12703064
IDC Error ellipse: s-maj=109.3km s-min=29.5km az=82.0.
IDC III 12 12 19 04.3–1.9 1.86S 139.42E 0 4.1L,4.0
¶12703073
IDC Error ellipse: s-maj=58.7km s-min=22.4km az=77.0.
IDC III 12 12 38 20.0–2.0 1.92S 138.92E 0 4.1L,3.9
¶12703076
IDC Error ellipse: s-maj=83.7km s-min=19.4km az=87.0.
IDC III 12 15 46 51.7–4.6 1.75S 139.06E 0 3.3,3.3L
¶12703084
IDC Error ellipse: s-maj=186.3km s-min=28.0km az=86.0.
IDC III 13 15 50 59.3–1.3 1.83S 139.20E 0 4.1,4.0L
¶12703181
IDC Error ellipse: s-maj=51.9km s-min=17.4km az=76.0.
IDC III 14 01 05 39.0–3.8 2.39S 140.53E 0 3.6L,3.6
¶12703207
IDC Error ellipse: s-maj=132.9km s-min=31.7km az=88.0.
IDC III 15 03 44 40.0–3.2 1.87S 137.55E 0 3.8,3.7L
¶12703322
IDC Error ellipse: s-maj=122.7km s-min=29.5km az=83.0.
IDC III 15 16 14 24.7–.74 2.35S 140.49E 0 4.3,4.1
¶12703362
IDC Error ellipse: s-maj=34.3km s-min=18.2km az=72.0.
ISC III 19 01 35 13.4–.27 2.03S–.03 139.04E–.04 29 4.9b,4.5s 306 0-155
IDC III 19 01 35 08.2–.42 1.96S 139.01E 0 4.8L,4.6 **¶15153282**
ISCJB III 19 01 35 10.9–.21 1.97S–.02 139.15E–.03 29 4.8b,4.5s
MOS III 19 01 35 11.6–1.1 2.01S 138.93E 33 5.1b,4.4s
GCMT III 19 01 35 12.8–.20 1.71S 139.32E 15–1 5.1W,4.4s
AUST III 19 01 35 12.2–2.5 2.10S 138.86E 15–0 5.1W,4.4s
BJI III 19 01 35 12.2 1.79S 139.06E 27 5.2b,4.8b
NEIC III 19 01 35 13.7–.21 1.96S 138.95E 35 4.9b,4.8b
DJA III 19 01 35 17.0–.50 2S–4.0 139E–3.0 53–4 5.6b,5.2
ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s42,c55; s77,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}3.00±.18 $M_{\theta\theta}$0.69±.11; $M_{\phi\phi}$-3.68±.14; $M_{r\theta}$-2.89±.35; $M_{\theta\phi}$2.22±.08; $M_{\phi r}$2.64±.32; Best double couple: NP1:ϕ_s185.00000°,δ29.00000°,λ136.00000°. NP2:ϕ_s316.00000°,δ70.00000°,λ68.00000°. Principal axes: T 5.0800,Plg59.0000° ,Azm195.0000°; N 0.9800,Plg21.0000°,Azm324.0000°; P -6.0600,Plg22.0000°,Azm62.0000° M_o5.60000×10^{16}
NEIC Event type se.
IDC III 19 04 55 56.9–1.6 2.44S 140.40E 0 4.0,3.8
¶12703647
IDC Error ellipse: s-maj=67.9km s-min=23.2km az=104.0.
IDC III 19 06 09 24.3–4.9 2.50S 139.27E 0 3.5L,3.5
¶12703652
IDC Error ellipse: s-maj=192.9km s-min=30.5km az=87.0.
IDC III 19 06 16 36.3–3.5 1.97S 139.44E 0 4.1L,3.9
¶12703653
IDC Error ellipse: s-maj=113.8km s-min=28.2km az=90.0.
ISC III 19 07 03 35.0–.33 1.98S–.03 139.10E–.04 35–1 5.1b,4.3s 402 0-161
BJI III 19 07 03 28.5 2.59S 139.31E 35 5.0b,4.9b **¶15153274**
IDC III 19 07 03 29.6–.41 1.96S 139.06E 0 4.8,4.8
AUST III 19 07 03 29.5–2.6 2.00S 139.10E 0–0 4.8,4.8
ISCJB III 19 07 03 31.9–.88 2.02S–.03 139.09E–.03 25–6 5.0b,4.3s
MOS III 19 07 03 33.0–.98 2.02S 138.97E 33 5.2b,4.3s
DJA III 19 07 03 33.9–.60 2S–4.0 139E–3.0 20–4 5.6b,5.2b
GCMT III 19 07 03 34.1–.20 1.76S 139.20E 12–0 5.0W,5.2b
NEIC III 19 07 03 35.0–.14 2.00S 139.02E 35 5.1b,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=16.3km s-min=10.5km az=71.0.
AUST Error ellipse: s-maj=1.2km s-min=0.7km az=31.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.9km az=137.2.
MOS Error ellipse: s-maj=12.3km s-min=6.2km az=110.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s39,c44; s86,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}2.95±.13 $M_{\theta\theta}$-1.62±.08; $M_{\phi\phi}$-1.33±.10; $M_{r\theta}$-2.71±.30; $M_{\theta\phi}$1.45±.06; $M_{\phi r}$2.18±.31; Best double couple: NP1:ϕ_s135.00000°,δ20.00000°,λ95.00000°. NP2:ϕ_s310.00000°,δ70.00000°,λ88.00000°. Principal axes: T 4.5700,Plg65.0000° ,Azm217.0000°; N -0.0200,Plg2.0000°,Azm310.0000°; P -4.5400,Plg25.0000°,Azm41.0000° M_o4.60000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=67.0. Felt [IV] at Sarmi.
IDC III 19 07 16 43.9–2.5 1.83S 139.96E 0 4.0L,4.0
¶12703656
IDC Error ellipse: s-maj=74.2km s-min=22.8km az=88.0.
ISC III 19 07 50 57.4–.34 2.00S–.04 139.21E–.04 29 4.7b,3.8s 158 0-148
IDC III 19 07 50 52.1–.62 1.98S 139.13E 0 4.5,4.5L **¶15153293**
AUST III 19 07 50 53.1 1.95S 139.01E 0 4.5,4.5L
DJA III 19 07 50 54.0–.80 2S–4.0 139E–3.0 10 5.4b,4.9
ISCJB III 19 07 50 55.3–.27 1.98S–.03 139.15E–.04 29 4.7b,3.9s
MOS III 19 07 50 55.3–.84 1.98S 139.12E 33 4.9b,3.9s
BJI III 19 07 50 56.5 2.27S 138.97E 47 5.0b,4.8b
NEIC III 19 07 50 57.8–.32 1.95S 139.09E 35 4.8b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=11.5km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.0km az=153.8.
MOS Error ellipse: s-maj=18.5km s-min=8.7km az=105.8.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.6km az=73.0.
IDC III 19 07 59 15.9–2.1 1.76S 139.30E 0 4.1L,4.0
¶12703658
IDC Error ellipse: s-maj=73.1km s-min=25.8km az=87.0.
ISC III 19 08 11 42.8–.61 2.02S–.06 139.09E–.07 29 4.6b,4.0s 40 2-148
IDC III 19 08 11 40.8–.54 2.00S 138.98E 0 4.4,4.3 **¶15153294**
AUST III 19 08 11 41.6 1.94S 139.51E 5 4.4,4.3
ISCJB III 19 08 11 43.4–.24 2.08S–.03 139.11E–.04 29 4.6b,4.0s
BJI III 19 08 11 43.4 2.40S 139.07E 37 5.0b,4.7s
MOS III 19 08 11 43.9–.96 2.06S 138.94E 33 4.7b,4.7s
DJA III 19 08 11 45.8–.40 2S–6.0 139E–4.0 10 5.6b,5.1
NEIC III 19 08 11 46.2–.27 2.03S 138.97E 35 4.7b,5.1
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=13.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=157.1.
MOS Error ellipse: s-maj=15.7km s-min=7.8km az=108.4.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.2km az=68.0.
IDC III 19 08 15 05.2–1.4 1.93S 138.85E 0 4.2,4.0L
¶12703660
IDC Error ellipse: s-maj=52.4km s-min=24.6km az=90.0.
ISC III 19 08 55 21.3–1.8 2.2S–.20 139.2E–.10 29 3.4b 6 1-70
IDC III 19 08 55 16.8–3.6 1.96S 139.57E 0 3.8L,3.6 **¶15153273**
AUST III 19 08 55 17.3–30 1.87S 139.17E 0–0 3.8L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=151.3km s-min=23.9km az=88.0.
AUST Error ellipse: s-maj=2.7km s-min=1.5km az=352.0.
IDC III 19 10 46 21.0–3.4 2.00S 139.42E 0 4.0L,3.8
¶12703671
IDC Error ellipse: s-maj=113.6km s-min=26.2km az=90.0.
ISC III 19 14 59 11.6–.27 1.98S–.03 139.08E–.04 29 4.9b,4.2s 281 0-161
IDC III 19 14 59 06.8–.51 1.90S 139.03E 0 4.9,4.9L **¶15153272**
MOS III 19 14 59 09.7–.97 1.90S 138.97E 33 5.0b,4.9L
DJA III 19 14 59 09.4–.30 2S–4.0 139E–3.0 10 5.4b,5.1b
ISCJB III 19 14 59 09.1–.22 1.91S–.03 139.15E–.04 29 4.9b,4.1s
BJI III 19 14 59 10.6 2.04S 139.00E 43 5.0b,4.8b
GCMT III 19 14 59 10.0–.30 1.72S 139.30E 17–1 4.9W,4.8b
NEIC III 19 14 59 11.9–.21 1.91S 139.00E 35 4.8b,4.8b
AUST III 19 14 59 20.8 2.44S 139.01E 100 4.8b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=10.7km az=78.0.
MOS Error ellipse: s-maj=13.7km s-min=7.2km az=110.2.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.6km az=154.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s21,c22; s65,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}2.34±.18 $M_{\theta\theta}$-0.81±.09; $M_{\phi\phi}$-1.53±.13; $M_{r\theta}$-1.43±.26; $M_{\theta\phi}$1.16±.06; $M_{\phi r}$1.55±.31; Best double couple: NP1:ϕ_s148.00000°,δ24.00000°,λ98.00000°. NP2:ϕ_s319.00000°,δ66.00000°,λ86.00000°. Principal axes: T 3.1500,Plg69.0000° ,Azm222.0000°; N 0.0300,Plg3.0000°,Azm321.0000°; P -3.1800,Plg21.0000°,Azm52.0000° M_o3.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=63.0.
IDC III 19 15 03 57.3–.88 1.90S 139.09E 0 4.3,4.3L
¶12703689
IDC Error ellipse: s-maj=35.9km s-min=13.4km az=84.0.
ISC III 19 15 09 32.4–.66 1.98S–.08 139.1E–.10 29 4.4b 52 18-148
IDC III 19 15 09 27.9–.77 1.86S 139.28E 0 4.3L,4.3 **¶12703690**
ISCJB III 19 15 09 30.6–.56 1.94S–.05 139.1E–.10 29 4.2b,4.3
NEIC III 19 15 09 36.8–3.2 2.00S 139.13E 68–29 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=33.4km s-min=12.0km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=7.2km az=169.9.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=9.1km az=62.0.
IDC III 20 00 54 48.3–1.8 2.07S 139.73E 0 3.9,3.8L
¶12703758
IDC Error ellipse: s-maj=72.4km s-min=22.0km az=89.0.
IDC III 20 02 33 41.9–5.0 1.94S 138.88E 0 3.6,3.5
¶12703765
IDC Error ellipse: s-maj=205.3km s-min=30.5km az=86.0.
IDC III 20 03 41 16.0–4.5 1.97S 139.14E 0 3.8L,3.7
¶12703770
IDC Error ellipse: s-maj=197.4km s-min=24.3km az=88.0.
IDC III 21 12 39 41.0–3.4 2.02S 139.32E 0 3.7L,3.5
¶12635181
IDC Error ellipse: s-maj=113.1km s-min=26.1km az=90.0.
ISC III 21 16 11 15.6–.72 2.00S–.08 139.06E–.08 29 4.1b 16 2-148
AUST III 21 16 11 04.8–6.5 0.93S 139.14E 14–0 4.1b **¶15153345**
IDC III 21 16 11 11.1–1.0 1.82S 139.31E 0 4.2,4.2L
ISCJB III 21 16 11 14.2–.57 1.91S–.06 139.10E–.09 29 4.0b,3.2s
ISC Event type ke.
ISCJB Event type ke.
IDC III 22 17 44 34.7–4.7 1.79S 139.03E 0 3.4,3.2
¶12635308
IDC Error ellipse: s-maj=190.7km s-min=27.9km az=86.0.
IDC III 23 22 51 54.6–4.9 1.76S 139.34E 0 3.2,3.1b
¶12635425
IDC Error ellipse: s-maj=198.5km s-min=28.9km az=86.0.
IDC III 26 03 35 03.9–1.5 2.06S 139.70E 0 3.6,3.5L
¶12635611
IDC Error ellipse: s-maj=47.7km s-min=21.2km az=85.0.
ISC III 26 11 23 12.2–.35 2.05S–.04 139.07E–.05 29 4.7b,4.1s 101 0-148
BJI III 26 11 23 05.1 2.29S 139.27E 10 4.9b,4.7s **¶12061161**
IDC III 26 11 23 07.9–.68 1.96S 139.05E 0 4.7L,4.5
ISCJB III 26 11 23 10.7–.30 2.06S–.04 139.11E–.04 29 4.7b,4.1s
DJA III 26 11 23 10.3–1.1 2S–9.0 139E–4.0 9–7 5.0b,4.8
NEIC III 26 11 23 13.3–.31 2.00S 139.02E 35 4.8b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=12.2km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=135.3.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.9km az=72.0.
IDC III 28 07 53 04.1–4.1 1.82S 139.72E 0 3.7L,3.7
¶12635757
IDC Error ellipse: s-maj=158.6km s-min=28.3km az=86.0.
ISC III 28 17 59 32.1–.15 2.96S–.02 139.59E–.02 99 5.8b 1322 1-170
IDC III 28 17 59 20.4–.30 2.91S 139.56E 0 5.7,5.7b **¶15153443**
MOS III 28 17 59 27.3–1.2 2.91S 139.51E 62 6.1b,5.1s
BJI III 28 17 59 27.6 3.18S 139.93E 95 6.2b,5.8b
AUST III 28 17 59 29.8–.12 2.94S 139.60E 64–0 6.2b,5.8b
ISCJB III 28 17 59 31.0–.12 2.93S–.02 139.62E–.02 96 5.8b,5.8b
NEIC III 28 17 59 31.8–.12 2.95S 139.54E 93 6.0W,6.0W
DJA III 28 17 59 33.0–.20 3S–2.0 140E–2.0 95–2 6.4,6.3b
TEH III 28 17 59 33.0 3.09S 139.69E 87 6.0L,6.3b
GCMT III 28 17 59 34.4–.10 2.89S 139.66E 91–0 5.9W,6.3b
ISC Event type fe.
IDC Error ellipse: s-maj=12.8km s-min=8.6km az=72.0.
MOS Error ellipse: s-maj=7.9km s-min=4.8km az=108.2.
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=43.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.4km az=148.4.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=73.0. Felt [V] at Genyem, Jayapura and Sentani. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s110.00000°,δ50.00000°,λ90.00000°. NP2: ϕ_s290.00000°,δ40.00000°,λ90.00000°. Principal axes: T Plg85.0000°,Azm20.0000° ; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm200.0000° Moment Tensor Solution. s36 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s329.00000°,δ33.00000°,λ112.00000°. NP2:ϕ_s124.00000° ,δ59.00000°,λ76.00000°. Principal axes: T 1.1300,Plg71.0000°,Azm0.0000° ; N -0.1400,Plg11.0000°,Azm130.0000°; P -0.9900,Plg13.0000°,Azm223.0000° M_o1.10000×10^{18}
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=101, comp=236, per= 50. Moment Tensor Solution. s97,c232; s72,c97; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00

$M_{\theta\theta}$0.00 $M_{r\theta}$0.00 $M_{\theta\theta}$0.00 $M_{\theta r}$0.00 Best double couple: NP1:ϕ_s332.00000°,δ36.00000° ,λ122.00000°. NP2:ϕ_s115.00000°,δ60.00000°,λ69.00000°. Principal axes: T 1.0400,Plg68.0000°,Azm344.0000°; N -0.0200,Plg18.0000°,Azm125.0000° ; P -1.0200,Plg13.0000°,Azm220.0000° $M_0$1.00000×10^{18}

IDC	**III**	**28 23 21 03.4–11**	**2.75S**	**139.75E**	**0**	**3.7,3.5b**			**¶12635816**
IDC		Error ellipse: s-maj=291.1km s-min=33.8km az=75.0.							
IDC	**III**	**30 07 15 06.6–1.5**	**2.44S**	**140.41E**	**0**	**4.2,4.1**			**¶12635923**
IDC		Error ellipse: s-maj=43.8km s-min=24.1km az=97.0.							
ISC	**III**	**30 17 38 02.9–1.1**	**2.48S–.10**	**140.06E–.09**	**25**	**3.9b**	**9**	**1-145**	
IDC	III	30 17 37 58.0–2.6	2.42S	140.28E	0	4.2,4.1L			**¶12635968**
ISCJB	III	30 17 38 02.7–.83	2.69S–.09	140.02E–.07	25	3.8b,3.1s			
DJA	III	30 17 38 04.2–.60	2S–7.0	140E–4.0	10	3.9,3.9			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**III**	**31 00 59 15.2–.95**	**1.82S**	**139.17E**	**0**	**4.2L,4.1**			**¶12635995**
IDC		Error ellipse: s-maj=38.7km s-min=16.5km az=78.0.							
ISC	**III**	**31 01 21 02.2–.30**	**1.98S–.03**	**139.08E–.04**	**29**	**4.8b,4.3s**	**221**	**0-148**	
AUST	III	31 01 20 58.4–2.8	2.01S	139.00E	0–0	4.8b,4.3s			**¶15153483**
IDC	III	31 01 20 58.3–.58	1.93S	139.00E	0	4.5,4.5			
ISCJB	III	31 01 21 00.6–.23	1.99S–.02	139.09E–.04	29	4.8b,4.3s			
DJA	III	31 01 21 01.0–.80	2S–4.0	139E–4.0	12–5	5.4b,5.0			
MOS	III	31 01 21 01.5–.84	2.05S	139.02E	37	5.0b,5.0			
GCMT	III	31 01 21 02.4–.20	1.74S	139.20E	16–1	5.1W,5.0			
BJI	III	31 01 21 02.0	2.11S	139.01E	39	5.1b,4.8b			
NEIC	III	31 01 21 03.8–.88	2.01S	139.03E	41–8	5.1b,4.8b			
ISC	Event type se.								
AUST	Error ellipse: s-maj=1.2km s-min=0.7km az=241.0.								
IDC	Error ellipse: s-maj=20.0km s-min=10.0km az=88.0.								
ISCJB	Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=173.3.								
MOS	Error ellipse: s-maj=13.4km s-min=6.9km az=106.6.								

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c36; s79,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}2.99±.18 $M_{\theta\theta}$-1.46±.10; $M_{\phi\phi}$-1.52±.13; $M_{r\theta}$-3.19±.41; $M_{\theta\phi}$1.23±.07; $M_{\theta r}$3.14±.45; Best double couple: NP1:ϕ_s136.00000°,δ16.00000°,λ92.00000°. NP2:ϕ_s315.00000°,δ74.00000°,λ90.00000°. Principal axes: T 5.4400,Plg61.0000° ,Azm224.0000°; N -0.2600,Plg0.0000°,Azm315.0000°; P -5.1700,Plg29.0000°,Azm45.0000° $M_0$5.30000×10^{16}

NEIC	Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=78.0.								
IDC	**III**	**31 14 57 23.9–4.8**	**1.96S**	**138.57E**	**0**	**3.4,3.3L**			**¶12636038**
IDC		Error ellipse: s-maj=196.1km s-min=29.2km az=85.0.							
IDC	**IV**	**13 20 00 26.0–3.4**	**2.02S**	**139.11E**	**0**	**3.7L,3.6**			**¶16152775**
IDC		Error ellipse: s-maj=114.8km s-min=26.3km az=90.0.							
IDC	**IV**	**17 08 21 40.1–3.5**	**2.48S**	**139.97E**	**0**	**3.7,3.7L**			**¶16152891**
IDC		Error ellipse: s-maj=111.5km s-min=29.8km az=92.0.							
ISC	**IV**	**27 21 26 44.6–.89**	**2.9S–.10**	**139.17E–.07**	**46**	**3.7b,3.2s**	**14**	**2-86**	
IDC	IV	27 21 26 38.4–1.2	2.77S	139.15E	0	4.0,3.8			**¶15153985**
ISCJB	IV	27 21 26 43.1–.76	2.87S–.09	139.05E–.08	46	3.7b,3.2s			
AUST	IV	27 21 26 45.1	2.94S	139.02E	35	3.7b,3.2s			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=54.6km s-min=23.3km az=96.0.								
ISCJB	Event type ke. Error ellipse: s-maj=13.9km s-min=10.3km az=138.4.								
ISC	**IV**	**28 15 16 57.2–.84**	**2.20S–.08**	**139.04E–.07**	**29**	**3.9b,3.4s**	**27**	**2-136**	
IDC	IV	28 15 16 51.6–1.1	2.08S	139.34E	0	4.3L,4.2			**¶15154008**
ISCJB	IV	28 15 16 55.4–.64	2.22S–.06	139.11E–.05	29	3.9b,3.2s			
AUST	IV	28 15 16 55.8–.04	1.99S	139.08E	36–0	3.9b,3.2s			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=39.3km s-min=19.2km az=83.0.								
ISCJB	Event type ke. Error ellipse: s-maj=8.6km s-min=6.5km az=9.1.								
AUST	Error ellipse: s-maj=2.0km s-min=1.0km az=10.0.								
IDC	**V**	**03 22 06 58.5–3.5**	**2.43S**	**140.42E**	**0**	**3.8L,3.7**			**¶16154879**
IDC		Error ellipse: s-maj=142.6km s-min=25.3km az=89.0.							
IDC	**V**	**05 09 05 27.0–5.0**	**1.67S**	**139.05E**	**0**	**3.4,3.3L**			**¶16154925**
IDC		Error ellipse: s-maj=202.2km s-min=30.0km az=85.0.							
IDC	**V**	**09 04 23 12.5–1.5**	**2.47S**	**140.17E**	**0**	**4.1,3.9L**			**¶16155535**
IDC		Error ellipse: s-maj=46.7km s-min=21.8km az=97.0.							
ISC	**V**	**21 13 13 05.2–.98**	**3.0S–.10**	**139.64E–.09**	**46**		**13**	**1-86**	
IDC	V	21 13 12 58.1–1.8	2.75S	139.92E	0	3.8L,3.8			**¶15154444**
ISCJB	V	21 13 13 04.0–.76	2.94S–.09	139.58E–.08	46	3.6s,3.5b			
AUST	V	21 13 13 04.2–90	3.00S	139.66E	19–0	3.6s,3.5b			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=100.9km s-min=27.7km az=114.0.								
ISCJB	Event type ke. Error ellipse: s-maj=16.1km s-min=6.5km az=143.5.								
AUST	Error ellipse: s-maj=2.5km s-min=0.9km az=327.0.								
IDC	**V**	**22 02 56 44.6–1.1**	**2.76S**	**139.11E**	**0**	**4.2,4.2L**			**¶16156010**
IDC		Error ellipse: s-maj=50.9km s-min=21.9km az=95.0.							
IDC	**V**	**25 20 15 02.8–1.4**	**2.49S**	**140.24E**	**0**	**4.1,4.1L**			**¶16156160**
IDC		Error ellipse: s-maj=48.2km s-min=21.9km az=99.0.							
IDC	**V**	**27 21 37 40.1–3.2**	**2.61S**	**139.97E**	**0**	**4.1,4.1L**			**¶16156239**
IDC		Error ellipse: s-maj=87.7km s-min=17.0km az=89.0.							
IDC	**VI**	**02 06 13 07.2–3.2**	**2.88S**	**140.62E**	**0**	**3.8L,3.7**			**¶16066204**
IDC		Error ellipse: s-maj=98.6km s-min=15.8km az=98.0.							
IDC	**VI**	**07 12 04 36.9–4.7**	**2.71S**	**140.25E**	**0**	**3.4,3.3**			**¶16101058**
IDC		Error ellipse: s-maj=177.0km s-min=32.5km az=90.0.							
IDC	**VI**	**07 15 31 37.3–3.8**	**2.69S**	**140.28E**	**0**	**3.3,3.2**			**¶16101065**
IDC		Error ellipse: s-maj=139.1km s-min=29.6km az=88.0.							
IDC	**VI**	**09 09 11 50.1–6.2**	**2.89S**	**140.60E**	**0**	**3.8L,3.6**			**¶16101142**
IDC		Error ellipse: s-maj=233.7km s-min=32.4km az=89.0.							
IDC	**VI**	**09 15 24 04.2–3.1**	**2.77S**	**140.79E**	**0**	**3.7,3.7L**			**¶16101153**
IDC		Error ellipse: s-maj=93.5km s-min=27.9km az=93.0.							
IDC	**VI**	**14 18 50 28.3–1.6**	**2.32S**	**139.39E**	**0**	**3.6,3.5**			**¶16101333**
IDC		Error ellipse: s-maj=67.6km s-min=24.6km az=92.0.							
IDC	**VI**	**16 12 59 17.1–1.9**	**2.05S**	**140.72E**	**0**	**3.4,3.2**			**¶16101405**
IDC		Error ellipse: s-maj=294.2km s-min=29.4km az=110.0.							
IDC	**VI**	**20 07 03 13.8–2.0**	**2.67S**	**139.03E**	**0**	**3.6,3.4**			**¶16101528**
IDC		Error ellipse: s-maj=69.8km s-min=26.5km az=87.0.							
IDC	**VI**	**21 04 15 37.0–1.2**	**2.09S**	**140.26E**	**0**	**3.8,3.7L**			**¶16101558**
IDC		Error ellipse: s-maj=58.3km s-min=25.4km az=99.0.							
IDC	**VI**	**26 17 53 02.4–2.8**	**1.83S**	**137.67E**	**0**	**3.6,3.6L**			**¶16101759**
IDC		Error ellipse: s-maj=104.3km s-min=27.3km az=82.0.							
IDC	**VI**	**28 22 38 49.1–1.7**	**2.80S**	**139.13E**	**0**	**4.0,3.8**			**¶16101839**
IDC		Error ellipse: s-maj=64.8km s-min=26.6km az=86.0.							

(198) Ninigo Islands region.

IDC	**III**	**26 11 45 09.9–4.5**	**1.79S**	**141.12E**	**0**	**3.9L,3.6**			**¶12635636**
IDC		Error ellipse: s-maj=166.6km s-min=28.3km az=88.0.							

(199) Admiralty Islands region.

ISC	**I**	**25 01 17 04.3–.48**	**1.25S–.07**	**148.7E–.10**	**35**	**4.5b,3.6s**	**86**	**8-153**	
IDC	I	25 01 16 58.8–.66	1.22S	148.78E	0	4.4,4.4			**¶13433988**
ISCJB	I	25 01 17 02.6–.35	1.25S–.04	148.64E–.08	33	4.4b,3.8s			
BJI	I	25 01 17 05.3	1.30S	148.60E	63	5.2b,4.8s			
NEIC	I	25 01 17 08.8–1.6	1.29S	148.65E	77–15	4.6b,4.8s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=23.6km s-min=13.9km az=106.0.								
ISCJB	Event type se. Error ellipse: s-maj=11.8km s-min=6.3km az=5.2.								
NEIC	Event type se. Error ellipse: s-maj=10.0km s-min=7.2km az=90.0.								
IDC	**II**	**20 17 01 25.7–2.0**	**1.74S**	**148.66E**	**0**	**3.7,3.4**			**¶15956825**
IDC		Error ellipse: s-maj=126.0km s-min=32.2km az=125.0.							
IDC	**II**	**26 08 28 23.3–1.4**	**2.89S**	**145.69E**	**0**	**3.9,3.8**			**¶15957346**
IDC		Error ellipse: s-maj=49.5km s-min=23.6km az=106.0.							
ISC	**V**	**01 02 15 06.9–.68**	**2.91S–.07**	**147.8E–.20**	**22**	**4.3b,4.1s**	**32**	**6-147**	
IDC	V	01 02 15 03.3–.95	2.93S	147.81E	0	4.4,4.2b			**¶12866389**
ISCJB	V	01 02 15 05.1–.65	2.95S–.06	147.8E–.20	22	4.2b,4.1s			
NEIC	V	01 02 15 08.6–.45	2.98S	147.82E	35	4.6b,4.1s			
GCMT	V	01 02 15 08.9–.30	3.03S	148.02E	29–1	5.0W,4.1s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=48.7km s-min=16.4km az=112.0.								
ISCJB	Event type se. Error ellipse: s-maj=26.0km s-min=7.9km az=9.3.								
NEIC	Event type se. Error ellipse: s-maj=20.5km s-min=8.1km az=105.0.								

GCMT Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s17,c19; s58,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.20±.21 $M_{\theta\theta}$0.84±.17; $M_{\phi\phi}$-0.64±.19; $M_{r\theta}$-0.01±.22; $M_{\theta\phi}$3.22±.11; $M_{\theta r}$-0.92±.25; Best double couple: NP1:ϕ_s276.00000°,δ74.00000°,λ-3.00000°. NP2:ϕ_s7.00000°,δ87.00000°,λ-164.00000°. Principal axes: T 3.5000,Plg9.0000° ,Azm140.0000°; N -0.1300,Plg74.0000°,Azm16.0000°; P -3.3700,Plg13.0000° ,Azm233.0000° $M_0$3.40000×10^{16}

IDC	**V**	**10 15 53 22.6–5.1**	**2.57S**	**146.62E**	**0**	**3.6s,3.6**			**¶16155596**
IDC		Error ellipse: s-maj=264.9km s-min=69.4km az=112.0.							
IDC	**V**	**23 20 51 47.2–4.6**	**2.96S**	**147.33E**	**0**	**3.7,3.6**			**¶16156060**
IDC		Error ellipse: s-maj=150.3km s-min=26.3km az=102.0.							
IDC	**VI**	**07 20 28 34.1–2.1**	**1.65S**	**148.67E**	**0**	**4.0,3.7**			**¶16101075**
IDC		Error ellipse: s-maj=294.9km s-min=28.3km az=120.0.							
IDC	**VI**	**10 15 15 42.4–.83**	**2.82S**	**145.68E**	**0**	**4.0,3.9**			**¶16101183**
IDC		Error ellipse: s-maj=27.0km s-min=16.4km az=88.0.							
IDC	**VI**	**11 23 33 52.4–1.4**	**2.87S**	**146.17E**	**0**	**4.3,4.1**			**¶16101218**
IDC		Error ellipse: s-maj=46.3km s-min=19.9km az=109.0.							

(200) Near north coast of New Guinea.

IDC	**I**	**02 23 39 37.4–8.3**	**2.40S**	**142.35E**	**0**	**3.6,3.5L**			**¶12079860**
IDC		Error ellipse: s-maj=307.2km s-min=29.7km az=91.0.							
ISC	**I**	**20 04 27 38.4–.66**	**3.21S–.08**	**142.7E–.10**	**22**	**3.9b**	**32**	**8-147**	
IDC	I	20 04 27 34.7–.89	3.24S	142.84E	0	4.2,4.0b			**¶12081830**
ISCJB	I	20 04 27 36.9–.57	3.24S–.06	142.6E–.10	22	3.9b,4.0b			
NEIC	I	20 04 27 39.9–1.9	3.30S	142.91E	38–20	4.1b,4.0b			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=32.5km s-min=16.3km az=88.0.								
ISCJB	Event type ke. Error ellipse: s-maj=15.1km s-min=7.8km az=165.4.								
NEIC	Event type se. Error ellipse: s-maj=16.6km s-min=10.0km az=106.0.								
IDC	**I**	**22 17 16 44.2–5.5**	**3.63S**	**144.14E**	**68–58**	**3.7,3.6**			**¶12082069**
IDC		Error ellipse: s-maj=31.8km s-min=23.4km az=131.0.							
IDC	**I**	**27 01 16 29.0–4.1**	**2.71S**	**141.04E**	**0**	**3.8L,3.7**			**¶12082432**
IDC		Error ellipse: s-maj=146.1km s-min=31.0km az=89.0.							
IDC	**I**	**30 22 51 38.9–1.6**	**4.70S**	**145.57E**	**0**	**4.0,3.8**			**¶12082770**
IDC		Error ellipse: s-maj=47.3km s-min=26.5km az=115.0.							
IDC	**II**	**01 23 24 49.7–1.9**	**3.71S**	**143.41E**	**0**	**4.0L,3.9**			**¶15954845**
IDC		Error ellipse: s-maj=88.3km s-min=27.9km az=106.0.							
IDC	**II**	**02 19 36 43.6–3.3**	**2.30S**	**141.79E**	**0**	**3.6,3.4**			**¶15954912**
IDC		Error ellipse: s-maj=149.9km s-min=23.3km az=96.0.							
IDC	**II**	**06 20 48 25.3–2.0**	**2.78S**	**141.63E**	**0**	**3.6,3.4b**			**¶15955154**
IDC		Error ellipse: s-maj=77.9km s-min=39.5km az=105.0.							
IDC	**II**	**08 16 16 53.1–1.2**	**3.50S**	**145.91E**	**0**	**4.0L,3.9**			**¶15955223**
IDC		Error ellipse: s-maj=39.3km s-min=16.9km az=94.0.							
IDC	**II**	**14 09 30 13.0–1.4**	**3.57S**	**145.81E**	**0**	**4.2L,4.0**			**¶15956039**
IDC		Error ellipse: s-maj=44.5km s-min=19.4km az=101.0.							
IDC	**II**	**14 10 23 38.2–1.6**	**3.96S**	**144.08E**	**0**	**4.2,4.2L**			**¶15956045**
IDC		Error ellipse: s-maj=42.0km s-min=25.4km az=116.0.							
IDC	**II**	**18 12 13 07.8–1.9**	**2.62S**	**141.34E**	**0**	**3.5,3.4L**			**¶15956556**
IDC		Error ellipse: s-maj=318.0km s-min=30.5km az=111.0.							
IDC	**II**	**22 08 16 04.1–1.2**	**3.19S**	**143.08E**	**0**	**4.6L,4.1**			**¶15956926**
IDC		Error ellipse: s-maj=42.8km s-min=18.5km az=97.0.							
IDC	**III**	**06 06 18 58.7–1.4**	**3.24S**	**145.77E**	**0**	**4.5,4.3**			**¶12702545**
IDC		Error ellipse: s-maj=49.1km s-min=23.8km az=105.0.							
IDC	**III**	**09 19 42 38.5–1.6**	**2.39S**	**141.93E**	**0**	**3.6L,3.5**			**¶12702816**
IDC		Error ellipse: s-maj=72.8km s-min=25.6km az=102.0.							
ISC	**III**	**10 01 21 55.6–.32**	**4.82S–.03**	**144.73E–.04**	**80–2**	**5.0b**	**407**	**5-156**	
BJI	III	10 01 21 48.4	5.18S	145.31E	77	5.1b,5.0b			**¶15153134**
ISCJB	III	10 01 21 52.9–.91	4.77S–.03	144.69E–.04	68–8	4.9b,5.0b			
MOS	III	10 01 21 52.9–.81	4.73S	144.57E	67	5.3b,5.0b			
NEIC	III	10 01 21 55.1–.14	4.77S	144.63E	76	5.2b,5.0b			
IDC	III	10 01 21 55.4–.75	4.79S	144.62E	78–6	4.7,4.6			
AUST	III	10 01 21 57.6–.42	4.95S	144.59E	91–0	4.7,4.6			
DJA	III	10 01 21 58.0–1.4	5S–9.0	145E–12	100–8	6.2,5.6			
GCMT	III	10 01 21 58.5–.20	4.92S	144.63E	81–2	5.0W,5.6			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=6.2km s-min=5.1km az=148.4.								
MOS	Error ellipse: s-maj=10.8km s-min=6.2km az=106.3.								
NEIC	Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=74.0.								
IDC	Error ellipse: s-maj=15.4km s-min=9.6km az=85.0.								
AUST	Error ellipse: s-maj=1.4km s-min=0.7km az=228.0.								

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c67; s89,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}2.93±.14 $M_{\theta\theta}$-3.19±.12; $M_{\phi\phi}$0.27±.14; $M_{r\theta}$2.87±.08; $M_{\theta\phi}$0.46±.15; $M_{\theta r}$-0.96±.09; Best double couple: NP1:ϕ_s268.00000°,δ24.00000°,λ74.00000°. NP2:ϕ_s106.00000°,δ67.00000°,λ97.00000°. Principal axes: T 4.2000,Plg67.0000° ,Azm28.0000°; N 0.2600,Plg6.0000°,Azm283.0000°; P -4.4600,Plg22.0000°,Azm190.0000° $M_0$4.30000×10^{16}

IDC	**III**	**13 18 48 10.1–3.9**	**2.23S**	**141.22E**	**0**	**3.6,3.4L**			**¶12703192**
IDC		Error ellipse: s-maj=138.2km s-min=30.2km az=88.0.							
IDC	**III**	**13 20 41 56.1–1.5**	**3.91S**	**142.61E**	**0**	**4.5L,4.1**			**¶12703198**
IDC		Error ellipse: s-maj=59.6km s-min=21.8km az=108.0.							
IDC	**III**	**14 03 30 02.8–1.3**	**4.90S**	**145.95E**	**0**	**3.8,3.6**			**¶12703220**
IDC		Error ellipse: s-maj=43.3km s-min=22.2km az=104.0.							
IDC	**III**	**17 16 51 51.9–1.5**	**2.58S**	**141.24E**	**0**	**3.7,3.6**			**¶12703523**
IDC		Error ellipse: s-maj=61.8km s-min=22.7km az=105.0.							
IDC	**III**	**21 08 52 34.8–4.5**	**2.39S**	**141.12E**	**0**	**3.5,3.4L**			**¶12635168**

IDC Error ellipse: s-maj=163.0km s-min=30.9km az=89.0.
ISC IV 01 03 55 01.7–.30 3.53S–.03 144.23E–.03 17–1 6.5s,5.8b 1250 4-157
IDC IV 01 03 54 57.7–.34 3.46S 143.97E 0 6.4,6.4s ¶15153508
NEIC IV 01 03 54 58.8–.15 3.52S 144.10E 10 6.7,6.5s
AUST IV 01 03 54 59.5–1.3 3.46S 143.94E 0–0 6.7,6.5s
ISCJB IV 01 03 54 59.6–.16 3.49S–.02 144.27E–.03 18 6.4s,5.7b
MOS IV 01 03 55 02.2–1.8 3.54S 144.18E 33 6.4s,6.0b
SZGRF IV 01 03 55 05.8 3.61S 144.68E 33 6.7b,6.0b
GCMT IV 01 03 55 06.5–.10 3.36S 144.22E 12 6.4W,6.0b
DJA IV 01 03 55 07.1–.50 4S–3.0 144E–3.0 44–5 6.5b,6.4
ISC Event type se.
NEIC Event type se. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s46 Moment tensor: Scale 10^{18} Nm; M_{rr}0.62 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.51 $M_{r\theta}$-0.19 $M_{\theta\phi}$2.91 $M_{\phi r}$1.23 Best double couple: NP1: ϕ_s1.00000°,δ87.00000°,λ156.00000°. NP2:ϕ_s92.00000°,δ66.00000°,λ3.00000°. Principal axes: T 2.8500,Plg18.0000°,Azm313.0000°; N 0.6400,Plg65.0000°,Azm173.0000°; P -3.4900,Plg14.0000°,Azm48.0000° $M_0$3.20000×10^{18} Moment Tensor Solution. $M_0$7.30000×10^{18}
ISCJB Event type se.
SZGRF Near north coast of New Guinea, Papua New Guinea.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 112 sta. Surface waves: sta=125, comp=290, per= 50. Moment Tensor Solution. s121,c291; s99,c218; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.03±.02 $M_{\theta\theta}$0.10±.02; $M_{\phi\phi}$-0.08±.03; $M_{r\theta}$-0.61±.06; $M_{\theta\phi}$5.01±.02; $M_{\phi r}$0.43±.06; Best double couple: NP1:ϕ_s181.00000°,δ83.00000°,λ-175.00000°. NP2:ϕ_s90.00000°,δ85.00000°,λ-7.00000°. Principal axes: T 5.0300,Plg2.0000°,Azm136.0000°; N 0.0800,Plg82.0000°,Azm236.0000°; P -5.1000,Plg8.0000°,Azm45.0000° $M_0$5.10000×10^{18}
IDC IV 01 10 16 35.6–.84 3.56S 144.41E 0 4.3,4.2
¶16152220
IDC Error ellipse: s-maj=32.1km s-min=15.2km az=97.0.
ISC IV 02 03 29 34.2–.41 3.67S–.04 144.22E–.05 18–1 4.9b,4.7s 218 4-150
BJI IV 02 03 29 28.0 4.16S 144.36E 10 5.6b,4.9s ¶15153516
IDC IV 02 03 29 29.2–.89 3.73S 144.44E 0 4.7,4.7s
ISCJB IV 02 03 29 30.3–1.0 3.49S–.04 144.40E–.05 4–6 4.8b,4.7s
NEIC IV 02 03 29 32.9–.35 3.55S 144.22E 10 5.1b,4.7s
MOS IV 02 03 29 34.1–1.3 3.52S 144.44E 33 5.3b,4.6s
GCMT IV 02 03 29 35.0–.10 3.38S 144.19E 12 5.2W,4.6s
AUST IV 02 03 29 39.1 3.38S 144.03E 60 5.2W,4.6s
DJA IV 02 03 29 42.5–1.1 4S–9.0 144E–9.0 49–10 5.7,5.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s63,c89; s99,c177; Moment tensor: Scale 10^{16}Nm; M_{rr}6.68±.12 $M_{\theta\theta}$-5.88±.10; $M_{\phi\phi}$-0.80±.13; $M_{r\theta}$-3.03±.30; $M_{\theta\phi}$2.16±.10; $M_{\phi r}$0.95±.35; Best double couple: NP1: ϕ_s111.00000°,δ32.00000°,λ92.00000°. NP2:ϕ_s289.00000°,δ58.00000°,λ89.00000°. Principal axes: T 7.4000,Plg77.0000°,Azm195.0000°; N -0.0100,Plg1.0000°,Azm290.0000°; P -7.3900,Plg13.0000°,Azm20.0000° $M_0$7.40000×10^{16}
IDC IV 03 14 04 31.9–1.3 3.58S 144.44E 0 4.0,3.9
¶16152312
IDC Error ellipse: s-maj=42.8km s-min=18.1km az=100.0.
IDC IV 04 03 40 11.9–1.5 2.85S 142.10E 0 3.8,3.5
¶16152340
IDC Error ellipse: s-maj=68.4km s-min=27.1km az=101.0.
IDC IV 04 13 45 28.6–1.3 3.40S 143.66E 0 4.0,3.9
¶16152367
IDC Error ellipse: s-maj=43.7km s-min=18.2km az=109.0.
ISC IV 04 21 50 49.5–.42 4.89S–.05 145.60E–.08 150 4.3b 118 5-151
AUST IV 04 21 50 45.4 4.82S 145.57E 100 4.3b ¶15153565
ISCJB IV 04 21 50 48.3–.30 4.82S–.03 145.52E–.06 150 4.3b
NEIC IV 04 21 50 50.3–1.2 4.88S 145.50E 157–12 4.3b
IDC IV 04 21 50 50.3–2.5 4.90S 145.51E 156–24 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.5km az=179.9.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.7km az=89.0.
IDC Error ellipse: s-maj=15.8km s-min=10.2km az=84.0.
ISC IV 08 20 51 37.0–1.2 4.9S–.10 145.7E–.10 64 3.7b 17 5-85
IDC IV 08 20 51 29.0–1.2 4.74S 145.52E 0 4.2,4.0 ¶15153614
ISCJB IV 08 20 51 35.5–1.0 4.92S–.08 145.7E–.10 64 3.7b,4.0
AUST IV 08 20 51 37.0–5.6 4.87S 145.87E 85–0 3.7b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=37.7km s-min=20.7km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=10.0km az=147.9.
AUST Error ellipse: s-maj=4.7km s-min=1.4km az=18.0.
IDC IV 12 15 57 07.1–1.2 2.90S 142.38E 0 3.8,3.8L
¶16152718
IDC Error ellipse: s-maj=50.8km s-min=19.9km az=99.0.
IDC IV 14 21 18 33.4–1.5 4.19S 144.48E 0 3.7,3.5
¶16152791
IDC Error ellipse: s-maj=35.9km s-min=26.0km az=82.0.
ISC IV 15 11 21 23.3–.75 3.47S–.08 145.2E–.10 22 4.1b,4.1s 33 6-86
IDC IV 15 11 21 20.1–1.1 3.42S 145.08E 0 4.1s,4.1 ¶12935302
ISCJB IV 15 11 21 21.6–.65 3.43S–.06 145.24E–.08 22 4.1s,4.0b
NEIC IV 15 11 21 25.1–.78 3.47S 145.18E 35 4.6b,4.0b
AUST IV 15 11 21 54.1–1.4 5.39S 144.10E 133–0 4.6b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=18.2km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=8.6km az=156.7.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=10.3km az=85.0.
AUST Error ellipse: s-maj=1.9km s-min=1.3km az=324.0.
IDC IV 26 20 46 05.1–1.0 3.56S 144.34E 0 3.7,3.6
¶16154532
IDC Error ellipse: s-maj=33.2km s-min=19.0km az=93.0.
IDC IV 30 01 52 32.3–1.4 2.72S 142.39E 0 4.5L,4.0
¶16154649
IDC Error ellipse: s-maj=54.6km s-min=20.3km az=102.0.
IDC V 11 04 56 12.7–6.0 4.83S 145.42E 71–61 3.5,3.4
¶16155622
IDC Error ellipse: s-maj=40.8km s-min=29.2km az=133.0.
ISC V 18 19 40 42.6–.40 3.27S–.04 142.77E–.05 47–3 4.9b,4.0s 368 2-151
BJI V 18 19 40 34.8 3.71S 143.19E 33 5.1b,4.9b ¶15154379
IDC V 18 19 40 35.9–.43 3.24S 142.69E 0 5.0L,4.9
ISCJB V 18 19 40 37.5–1.1 3.29S–.03 142.69E–.03 20–7 4.9b,4.0s
MOS V 18 19 40 39.6–1.1 3.28S 142.61E 33 5.1b,4.0s
NEIC V 18 19 40 41.5–.94 3.31S 142.66E 40–8 4.9b,4.0s
DJA V 18 19 40 41.8–.80 3S–8.0 142E–8.0 10 5.5b,5.5b
AUST V 18 19 40 44.5–.19 3.36S 142.48E 57–0 5.5b,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=7.6km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.3km az=156.0.
MOS Error ellipse: s-maj=11.1km s-min=6.2km az=104.4.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.8km az=81.0.
AUST Error ellipse: s-maj=0.8km s-min=0.5km az=226.0.
IDC V 19 12 00 45.2–1.7 4.14S 145.16E 0 3.7,3.6L
¶16155905
IDC Error ellipse: s-maj=82.1km s-min=26.1km az=123.0.
IDC V 23 18 24 13.8–8.1 4.45S 144.63E 161–83 3.2,3.0
¶16156056
IDC Error ellipse: s-maj=75.1km s-min=24.5km az=142.0.
IDC V 24 20 03 07.5–1.6 3.81S 144.21E 0 3.8,3.6
¶16156121
IDC Error ellipse: s-maj=46.0km s-min=26.5km az=119.0.
IDC V 26 13 14 41.7–1.9 3.38S 144.99E 0 3.6,3.3
¶16156184
IDC Error ellipse: s-maj=126.9km s-min=28.7km az=121.0.
IDC V 29 03 41 09.0–1.7 3.51S 144.40E 0 3.8,3.7L
¶16156296
IDC Error ellipse: s-maj=88.6km s-min=26.2km az=122.0.
IDC VI 04 09 16 48.9–7.7 4.52S 145.21E 0 3.8,3.7
¶16100930
IDC Error ellipse: s-maj=113.0km s-min=39.4km az=31.0.

ISC VI 07 11 32 37.6–.32 2.73S–.03 141.59E–.05 60–2 4.8b,4.1s 292 5-159
AUST VI 07 11 32 28.8–2.7 2.48S 141.50E 0–0 4.8b,4.1s ¶15155849
IDC VI 07 11 32 29.2–.44 2.71S 141.53E 0 4.9L,4.7
BJI VI 07 11 32 32.4 2.77S 142.01E 53 5.0b,4.9b
GCMT VI 07 11 32 32.8–.20 2.66S 141.48E 15–1 4.9W,4.9b
NEIC VI 07 11 32 34.8–.22 2.66S 141.46E 35 4.9b,4.9b
MOS VI 07 11 32 35.8–1.1 2.60S 141.61E 57 5.0b,4.9b
ISCJB VI 07 11 32 35.4–.73 2.64S–.03 141.73E–.04 54–6 4.8b,4.1s
DJA VI 07 11 32 40.4–.70 3S–5.0 142E–5.0 61–5 5.4b,5.1
ISC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s28,c32; s60,c96; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.00±.17 $M_{\theta\theta}$2.81±.11; $M_{\phi\phi}$-0.81±.12; $M_{r\theta}$0.66±.19; $M_{\theta\phi}$-0.02±.06; $M_{\phi r}$0.97±.26; Best double couple: NP1:ϕ_s117.00000°,δ44.00000°,λ-48.00000°. NP2:ϕ_s245.00000°,δ59.00000°,λ-123.00000°. Principal axes: T 2.9000,Plg8.0000°,Azm358.0000°; N -0.2900,Plg28.0000°,Azm264.0000°; P -2.6100,Plg61.0000°,Azm103.0000° $M_0$2.80000×10^{16}
NEIC Event type se.
ISCJB Event type se.
ISC VI 07 13 37 04.0–.46 2.68S–.06 141.48E–.06 29 4.4b,3.8s 50 1-151
AUST VI 07 13 36 58.9–5.3 2.47S 141.26E 0–0 4.4b,3.8s ¶15155856
IDC VI 07 13 36 59.4–.47 2.79S 141.46E 0 4.5L,4.5
ISCJB VI 07 13 37 02.5–.36 2.62S–.04 141.57E–.06 29 4.3b,3.7s
BJI VI 07 13 37 07.5 2.60S 141.40E 40 5.0b,4.7s
DJA VI 07 13 37 09.1–.60 3S–6.0 141E–5.0 10 5.3b,4.8
ISC Event type ke.
ISCJB Event type ke.
IDC VI 07 17 07 53.6–.93 2.58S 141.54E 0 4.0,4.0
¶16101069
IDC Error ellipse: s-maj=34.2km s-min=21.2km az=82.0.
ISC VI 07 17 12 08.4–.59 2.63S–.07 141.4E–.10 29 4.2b,3.2s 28 9-146
AUST VI 07 17 11 58.2 1.93S 141.51E 0 4.2b,3.2s ¶15155857
IDC VI 07 17 12 03.8–.63 2.75S 141.48E 0 4.4,4.3
ISCJB VI 07 17 12 06.5–.53 2.59S–.06 141.42E–.09 29 4.0b,3.2s
ISC Event type ke.
ISCJB Event type ke.
IDC VI 08 03 14 41.0–1.7 3.90S 142.01E 0 3.9,3.7
¶16101085
IDC Error ellipse: s-maj=46.6km s-min=28.3km az=119.0.
IDC VI 08 16 42 31.7–1.0 2.70S 141.55E 0 4.2L,4.0
¶16101112
IDC Error ellipse: s-maj=31.4km s-min=23.6km az=107.0.
ISC VI 11 17 06 02.9–.44 2.71S–.06 141.53E–.07 29 4.1b,3.4s 69 9-151
IDC VI 11 17 05 58.3–.59 2.76S 141.53E 0 4.8L,4.2 ¶15156032
NEIC VI 11 17 06 00.8–6.3 2.74S 141.52E 15–39 4.5b,4.2
ISCJB VI 11 17 06 01.1–.37 2.76S–.05 141.46E–.07 29 4.1b,3.4s
AUST VI 11 17 06 04.3 3.41S 141.53E 0 4.1b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=10.6km az=103.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=11.1km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.5km az=178.6.
IDC VI 12 21 27 22.8–1.1 3.37S 145.26E 0 4.2,4.0
¶16101254
IDC Error ellipse: s-maj=36.9km s-min=17.6km az=94.0.
IDC VI 16 09 58 58.4–1.8 3.36S 143.23E 0 3.7,3.7L
¶16101401
IDC Error ellipse: s-maj=84.3km s-min=26.9km az=120.0.
IDC VI 20 12 20 01.2–1.3 4.74S 145.54E 0 3.9,3.7
¶16101532
IDC Error ellipse: s-maj=38.5km s-min=21.7km az=104.0.
IDC VI 27 15 43 31.1–.93 2.68S 141.95E 0 3.9,3.9L
¶16101789
IDC Error ellipse: s-maj=34.5km s-min=21.1km az=86.0.
IDC VI 29 21 53 07.1–1.3 3.45S 145.52E 0 4.2,4.0
¶16101875
IDC Error ellipse: s-maj=41.4km s-min=18.5km az=100.0.

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IDC I 01 16 47 54.7–5.1 2.64S 138.88E 0 3.2,3.0
¶12079765
IDC Error ellipse: s-maj=204.2km s-min=32.9km az=86.0.
ISC I 04 06 39 48.3–3.4 3.3S–.20 138.9E–.20 46 11 11-86
IDC I 04 06 39 35.8–1.7 2.70S 139.56E 0 4.0L,3.8 ¶12080121
NEIC I 04 06 39 41.4–.84 2.68S 139.27E 35 4.1b,3.8
DJA I 04 06 39 41 2.51S 139.52E 76 4.3,3.8
ISC Event type se.
IDC Error ellipse: s-maj=78.0km s-min=27.0km az=97.0.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=11.4km az=92.0.
ISC I 10 20 37 06.2–.77 2.18S–.06 138.7E–.10 29 4.1b 52 17-148
IDC I 10 20 36 59.9–.93 1.92S 139.23E 0 4.4L,4.1 ¶12080982
DJA I 10 20 37 02 1.67S 139.13E 17 4.4b,4.1
NEIC I 10 20 37 05.6–.49 1.99S 139.06E 35 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=12.4km az=90.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=6.9km az=78.0.
ISC I 17 12 10 33.9–.76 2.83S–.06 138.11E–.10 35 4.0b,3.6s 34 11-148
IDC I 17 12 10 28.8–.93 2.58S 138.37E 0 4.1,4.0b ¶12081537
DJA I 17 12 10 28 2.63S 138.42E 10 4.3,4.0b
ISCJB I 17 12 10 31.8–.66 2.67S–.06 138.27E–.09 33 4.0b,3.7s
NEIC I 17 12 10 34.7–.64 2.71S 138.18E 35 4.0b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=42.7km s-min=17.2km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=8.2km az=7.4.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=9.5km az=76.0.
ISC I 18 03 16 38.4–.63 3.70S–.06 136.76E–.10 27 4.3b 39 12-148
IDC I 18 03 16 34.6–.78 3.54S 136.90E 0 4.4,4.3 ¶12081597
ISCJB I 18 03 16 36.0–.51 3.71S–.05 136.86E–.08 27 4.2b,4.3
NEIC I 18 03 16 39.4–.51 3.59S 136.94E 35 4.3b,4.3
DJA I 18 03 16 39 3.45S 137.00E 62 4.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=12.3km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.2km az=2.4.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.0km az=71.0.
IDC I 27 21 23 19.8–2.9 3.01S 136.49E 0 3.6,3.6L
¶12082516
IDC Error ellipse: s-maj=117.0km s-min=29.4km az=81.0.
IDC I 31 10 21 51.4–1.6 3.34S 140.32E 0 4.2L,4.0
DJA I 31 10 21 55 3.53S 140.50E 28 4.1,4.0 ¶12082806
IDC Error ellipse: s-maj=75.6km s-min=27.7km az=101.0.
IDC II 14 09 40 37.4–1.4 3.30S 139.80E 0 4.1,4.1L
¶15956041
IDC Error ellipse: s-maj=57.0km s-min=20.3km az=100.0.
ISC II 14 19 15 36.2–.58 4.30S–.06 138.60E–.08 35 4.2b 43 0-87
IDC II 14 19 15 31.0–1.0 4.32S 138.67E 0 4.1,4.0 ¶12700695
ISCJB II 14 19 15 34.4–.40 4.27S–.05 138.63E–.07 33 4.2b,4.0
DJA II 14 19 15 34.1–1.9 4S–20 139E–5.0 10 4.3,4.3
NEIC II 14 19 15 37.4–2.3 4.30S 138.67E 47–25 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=12.2km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.6km az=168.8.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=14.1km az=126.0.
ISC II 17 23 09 04.8–.53 3.00S–.05 139.38E–.05 46 4.0b,3.8s 51 1-147
IDC II 17 23 08 59.1–.83 2.83S 139.31E 0 4.2,4.1 ¶12701064
ISCJB II 17 23 09 03.7–.40 2.96S–.04 139.34E–.05 46 4.1b,3.9s
NEIC II 17 23 09 04.2–.45 2.89S 139.35E 35 4.2b,3.9s
DJA II 17 23 09 06.0–1.0 3S–5.0 139E–3.0 25–21 4.6,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC II 23 02 54 48.6–1.1 2.0S–.10 138.77E–.08 29–8 4.0b,3.6s 14 0-98
DJA II 23 02 54 44.2–.80 1S–9.0 139E–5.0 10 4.6,4.6 ¶12701593
IDC II 23 02 54 44.3–1.3 1.91S 139.11E 0 4.3L,4.0

ISCJB II 23 02 54 47.6–1.0 1.99S–.08 138.78E–.07 32–7 3.8b,3.7s
ISC Event type ke.
ISCJB Event type ke.
IDC II 28 12 01 56.5–3.1 2.92S 137.20E 0 3.2,3.1
¶15957517

IDC Error ellipse: s-maj=120.7km s-min=29.8km az=82.0.
ISC III 10 22 15 41.1–.54 2.02S–.06 138.9E–.10 29 4.2b,3.4s 48 11-148
BJI III 10 22 15 30.5 2.23S 139.79E 10 4.9b,4.4b **¶12702922**
IDC III 10 22 15 35.9–.77 1.88S 139.14E 0 4.3,4.3L
NEIC III 10 22 15 38.0–.37 1.85S 139.00E 10 4.2b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=12.6km az=87.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=6.6km az=74.0.
IDC III 11 09 07 41.4–2.6 2.08S 138.83E 0 4.0,4.0L
¶12702960

IDC Error ellipse: s-maj=109.1km s-min=25.2km az=81.0.
IDC III 11 15 42 49.4–1.7 4.47S 137.00E 0 3.8,3.7b
¶12702980

IDC Error ellipse: s-maj=44.7km s-min=28.0km az=77.0.
IDC III 11 17 02 20.1–4.6 2.26S 138.31E 0 3.6,3.5L
¶12702987

IDC Error ellipse: s-maj=190.8km s-min=27.6km az=85.0.
IDC III 11 23 42 48.6–3.2 3.47S 137.35E 0 3.4,3.3
¶12703029

IDC Error ellipse: s-maj=124.7km s-min=30.7km az=82.0.
IDC III 13 03 54 37.5–3.0 2.04S 137.34E 0 4.1,4.1s
¶12703138

IDC Error ellipse: s-maj=114.0km s-min=29.2km az=82.0.
ISC III 15 01 30 15.0–.77 2.80S–.07 138.91E–.04 46 4.3s,3.6b 26 1-86
IDC III 15 01 30 04.4–.92 2.38S 139.21E 0 4.3s,4.3 **¶15153205**
AUST III 15 01 30 06.1 1.95S 138.51E 35 4.3s,4.3
ISCJB III 15 01 30 13.7–.46 2.86S–.04 138.85E–.04 46 4.4s,3.7b
DJA III 15 01 30 15.4–.40 2S–4.0 139E–3.0 80–7 4.6,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC III 15 17 10 51.5–3.6 3.75S 139.13E 0 3.2,3.1L
¶12703367

IDC Error ellipse: s-maj=133.8km s-min=31.3km az=86.0.
IDC III 19 15 52 42.2–3.2 2.05S 138.96E 0 3.8L,3.6
¶12703694

IDC Error ellipse: s-maj=109.1km s-min=26.2km az=89.0.
IDC III 20 09 36 21.6–7.3 2.31S 138.24E 0 3.8,3.7b
¶12703801

IDC Error ellipse: s-maj=342.4km s-min=25.0km az=85.0.
ISC III 22 16 36 52.0–.56 4.40S–.06 137.67E–.06 35 5.0b 49 3-147
IDC III 22 16 36 47.1–.70 4.21S 137.68E 0 4.4,4.3 **¶15153366**
ISCJB III 22 16 36 49.8–.35 4.45S–.04 137.62E–.05 33 4.3b,3.8s
DJA III 22 16 36 50.8–.40 4S–5.0 138E–3.0 10 5.0b,4.8b
AUST III 22 16 36 53.8–.02 4.49S 137.51E 52–0 5.0b,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=15.1km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.2km az=147.0.
AUST Error ellipse: s-maj=0.9km s-min=0.7km az=15.0.
IDC III 24 22 08 13.9–2.6 3.54S 136.48E 0 3.9L,3.8
¶12635494

IDC Error ellipse: s-maj=93.3km s-min=31.0km az=80.0.
IDC III 27 03 34 44.2–3.5 3.96S 138.70E 0 4.1,3.9b
¶12635675

IDC Error ellipse: s-maj=113.4km s-min=30.0km az=91.0.
ISC III 29 10 28 14.8–.96 2.62S–.10 139.0E–.20 37 3.6b 11 12-86
IDC III 29 10 28 08.4–1.5 2.61S 139.22E 0 3.9L,3.8 **¶15153467**
ISCJB III 29 10 28 12.8–.81 2.67S–.08 138.9E–.20 37 3.5b,3.8
AUST III 29 10 28 31.2–4.6 3.98S 138.65E 58–1 3.5b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=61.8km s-min=20.9km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=24.7km s-min=10.9km az=4.7.
AUST Error ellipse: s-maj=3.6km s-min=1.9km az=28.0.
ISC III 31 17 22 39.8–.37 4.19S–.04 140.71E–.05 100 4.3b 105 2-150
ISCJB III 31 17 22 38.4–.30 4.17S–.03 140.78E–.04 100 4.3b **¶15153491**
AUST III 31 17 22 38.4–.01 4.09S 140.62E 93–0 4.3b
IDC III 31 17 22 38.7–.80 4.16S 140.77E 82–7 4.1,4.0
NEIC III 31 17 22 38.8–.23 4.15S 140.73E 84 4.5b,4.0
DJA III 31 17 22 39.3–.40 4S–3.0 141E–3.0 46–6 5.1b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IV 09 02 52 03.1–1.1 4.54S 137.27E 0 4.1,4.0b
¶16152572

IDC Error ellipse: s-maj=43.5km s-min=22.2km az=82.0.
ISC IV 10 17 20 55.8–.73 3.74S–.06 138.75E–.08 71 3.6b 20 2-87
IDC IV 10 17 20 46.9–1.6 3.41S 139.13E 0 3.8,3.8L **¶15153651**
ISCJB IV 10 17 20 54.7–.58 3.67S–.05 138.76E–.06 71 3.5b,3.8L
AUST IV 10 17 21 01.9 3.93S 138.53E 100 3.5b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=64.0km s-min=21.8km az=97.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.7km az=178.5.
ISC IV 13 06 46 03.7–.48 3.22S–.03 139.65E–.05 92–4 4.5b 124 1-146
AUST IV 13 06 45 53.3–.87 2.98S 139.60E 1–0 4.5b **¶15153688**
ISCJB IV 13 06 45 59.8–.64 3.06S–.03 139.78E–.04 71–6 4.5b
GCMT IV 13 06 46 01.7–.30 3.06S 139.86E 76–5 4.9W
NEIC IV 13 06 46 02.6–1.7 3.08S 139.66E 84–17 4.5b
IDC IV 13 06 46 02.7–.67 3.09S 139.72E 86–6 4.1,4.1
DJA IV 13 06 46 02.1–.30 3S–4.0 140E–3.0 68–4 5.2,5.2b
ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: IU IC G CN II. Moment Tensor Solution. s23,c25; s59,c79; Moment tensor: Scale 10^{16}Nm; M_{rr}1.58±.19 $M_{\theta\theta}$-1.25±.18; $M_{\phi\phi}$-0.33±.25; $M_{r\theta}$-1.18±.09; $M_{\theta\phi}$0.88±.15; $M_{\phi r}$1.92±.11; Best double couple: NP1:ϕ_s101.00000°,δ23.00000°,λ51.00000°. NP2:ϕ_s322.00000°,δ73.00000°,λ105.00000°. Principal axes: T 2.8500,Plg60.0000° ,Azm253.0000°; N -0.0700,Plg14.0000°,Azm138.0000°; P -2.7800,Plg26.0000° ,Azm41.0000° $M_0$2.80000×10^{16}
NEIC Event type se.
IDC IV 13 14 14 38.3–4.4 4.61S 139.26E 0 3.4b,3.3
¶16152761

IDC Error ellipse: s-maj=164.5km s-min=35.1km az=87.0.
IDC IV 18 01 27 31.8–5.3 3.02S 140.00E 0 3.3,3.2
¶16152962

IDC Error ellipse: s-maj=205.5km s-min=29.9km az=88.0.
ISC IV 18 16 18 31.4–.55 3.40S–.06 139.28E–.06 50 4.0b 48 1-137
IDC IV 18 16 18 23.3–1.1 3.32S 139.62E 0 4.5L,4.3 **¶15153791**
NEIC IV 18 16 18 28.2–6.8 3.28S 139.40E 29–48 4.1b,4.3
ISCJB IV 18 16 18 29.2–.50 3.36S–.05 139.36E–.06 50 4.0b,3.2s
AUST IV 18 16 18 32.9–.00 3.45S 139.29E 73–1 4.0b,3.2s
DJA IV 18 16 18 32.9–.40 3S–4.0 139E–4.0 86–8 5.2b,4.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 19 16 46 23.0–9.2 5.31S 140.45E 0 3.4b,3.2
¶16153074

IDC Error ellipse: s-maj=352.3km s-min=34.9km az=91.0.
ISC IV 21 04 45 49.5–1.1 4.64S–.10 137.1E–.10 35 3.7b 13 9-88
IDC IV 21 04 45 43.5–.98 4.34S 137.33E 0 4.0,4.0L **¶16153187**
AUST IV 21 04 47 13.3–99 10.20S 134.02E 0–2 4.0,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=38.7km s-min=20.8km az=78.0.
AUST Error ellipse: s-maj=6.2km s-min=1.9km az=43.0.
ISC IV 21 09 37 13.3–1.1 4.69S–.10 139.3E–.20 27 11 3-72
IDC IV 21 09 37 10.3–3.4 4.51S 139.07E 0 4.0,3.8 **¶15153872**
ISCJB IV 21 09 37 12.0–.81 4.65S–.07 139.2E–.10 27 3.6b,3.8
AUST IV 21 09 37 12.5–7.5 4.57S 139.28E 11–0 3.6b,3.8
ISC Event type ke.

IDC Error ellipse: s-maj=105.1km s-min=30.2km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=10.0km az=17.2.
AUST Error ellipse: s-maj=1.6km s-min=1.0km az=305.0.
IDC IV 25 11 06 40.1–1.7 3.14S 139.95E 0 3.6,3.4
¶16153372

IDC Error ellipse: s-maj=104.4km s-min=27.3km az=115.0.
IDC IV 25 13 18 54.1–1.3 4.15S 137.63E 0 4.1,3.9
¶16153379

IDC Error ellipse: s-maj=41.8km s-min=25.4km az=82.0.
IDC IV 26 16 36 11.2–4.9 3.72S 140.45E 0 3.5,3.4L
¶16154525

IDC Error ellipse: s-maj=179.2km s-min=33.1km az=89.0.
ISC V 03 11 29 16.6–2.8 3.7S–.40 139.9E–.30 56 2.9s 8 12-146
IDC V 03 11 29 18.6–6.9 3.74S 139.82E 72–50 4.1L,3.9 **¶16154861**
AUST V 03 11 30 31.9–.03 8.84S 137.18E 142–0 4.1L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=100.9km s-min=24.2km az=142.0.
AUST Error ellipse: s-maj=2.6km s-min=1.1km az=302.0.
IDC V 04 22 28 32.2–4.0 3.18S 139.63E 0 4.2,4.2s
¶16154907

IDC Error ellipse: s-maj=129.0km s-min=28.5km az=92.0.
AUST V 06 18 29 17.3–3.5 4.00S 139.64E 25–0
¶16360086

AUST Error ellipse: s-maj=1.1km s-min=0.8km az=284.0.
ISC V 07 21 50 59.9–.76 5.46S–.07 140.7E–.10 35 3.8b 21 3-88
IDC V 07 21 50 53.6–1.6 5.40S 141.06E 0 4.2L,4.0 **¶15154197**
ISCJB V 07 21 50 58.0–.58 5.44S–.05 140.75E–.08 33 3.8b,4.0
AUST V 07 21 50 59.9–.02 5.24S 140.96E 133–0 3.8b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=51.2km s-min=22.6km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.2km az=16.5.
AUST Error ellipse: s-maj=1.2km s-min=1.1km az=255.0.
ISC V 14 07 56 58.8–.73 3.04S–.07 139.2E–.10 46 4.0b,3.5s 21 10-101
AUST V 14 07 56 28.1 0.47S 139.50E 20 4.0b,3.5s **¶16155734**
ISCJB V 14 07 56 56.9–.61 2.94S–.06 139.21E–.10 46 3.9b,3.6s
IDC V 14 07 57 01.1–3.3 3.06S 139.23E 72–32 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=8.7km az=176.6.
IDC Error ellipse: s-maj=31.8km s-min=11.3km az=92.0.
ISC V 19 14 50 49.2–2.8 4.4S–.20 139.7E–.10 35 11 4-72
IDC V 19 14 50 44.0–1.9 3.99S 139.71E 0 4.4,4.2 **¶15154399**
AUST V 19 14 50 56.4 4.41S 139.54E 100 4.4,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=42.8km s-min=29.5km az=79.0.
IDC V 23 02 42 59.3–2.2 2.42S 138.16E 0 4.0,4.0L
¶16156037

IDC Error ellipse: s-maj=92.6km s-min=25.8km az=76.0.
IDC V 23 07 25 15.1–1.7 3.50S 139.89E 0 4.1,3.8
¶16156041

IDC Error ellipse: s-maj=74.9km s-min=28.4km az=98.0.
IDC V 27 06 44 21.6–3.6 2.48S 138.90E 0 3.5,3.4
¶16156212

IDC Error ellipse: s-maj=115.3km s-min=29.6km az=91.0.
IDC VI 02 15 59 42.4–1.9 2.49S 138.23E 0 3.8,3.5
¶16066233

IDC Error ellipse: s-maj=117.1km s-min=29.4km az=111.0.
IDC VI 04 02 12 19.3–3.6 4.39S 139.14E 0 3.8,3.8L
¶16100921

IDC Error ellipse: s-maj=112.5km s-min=30.0km az=92.0.
IDC VI 09 16 27 36.1–1.5 4.64S 137.25E 0 4.1,4.1s
¶16101156

IDC Error ellipse: s-maj=62.0km s-min=27.2km az=101.0.
IDC VI 13 18 53 23.3–3.4 3.15S 139.60E 0 3.8,3.8L
¶16101288

IDC Error ellipse: s-maj=106.6km s-min=27.6km az=92.0.
ISC VI 13 21 41 21.5–1.9 3.6S–.10 139.7E–.30 37 12 12-71
IDC VI 13 21 41 13.4–3.8 3.40S 140.19E 0 4.2,4.1L **¶16101294**
ISCJB VI 13 21 41 18.7–1.7 3.4S–.10 139.7E–.20 37 3.2b,4.1L
AUST VI 13 21 43 08.6–14 11.97S 136.18E 48–2 3.2b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=121.3km s-min=28.2km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=32.2km s-min=17.5km az=9.8.
AUST Error ellipse: s-maj=6.6km s-min=1.5km az=26.0.
IDC VI 16 07 55 19.9–1.2 3.22S 140.98E 0 4.0L,3.9
¶16101399

IDC Error ellipse: s-maj=52.7km s-min=24.9km az=109.0.
ISC VI 16 07 56 18.2–.75 3.20S–.08 140.9E–.10 23 3.9b,3.5s 29 9-145
IDC VI 16 07 56 14.7–.93 3.26S 140.81E 0 4.1,4.0 **¶13681477**
ISCJB VI 16 07 56 16.4–.61 3.23S–.07 140.9E–.10 23 3.8b,3.6s
NEIC VI 16 07 56 21.1–1.9 3.27S 140.91E 47–19 4.2b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=13.5km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=9.5km az=165.1.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=13.1km az=137.0.
IDC VI 19 03 53 08.1–3.7 3.30S 139.80E 0 4.1,4.1L
¶16101490

IDC Error ellipse: s-maj=111.6km s-min=32.0km az=91.0.
IDC VI 20 11 41 51.5–4.6 2.28S 138.94E 0 3.5L,3.3
¶16101531

IDC Error ellipse: s-maj=185.5km s-min=28.5km az=87.0.
IDC VI 20 13 44 18.0–4.2 3.45S 140.72E 0 4.3L,3.9
¶16101535

IDC Error ellipse: s-maj=127.2km s-min=31.4km az=94.0.
IDC VI 21 08 43 11.2–3.5 4.92S 140.08E 0 3.8,3.6L
¶16101563

IDC Error ellipse: s-maj=118.0km s-min=34.4km az=88.0.
IDC VI 28 05 50 29.0–2.0 3.79S 140.90E 0 4.0,3.8L
¶16101813

IDC Error ellipse: s-maj=208.5km s-min=32.1km az=111.0.
IDC VI 28 08 54 21.2–1.7 4.04S 139.34E 0 3.6,3.5L
¶16101817

IDC Error ellipse: s-maj=100.3km s-min=28.6km az=115.0.
IDC VI 28 23 07 14.0–.95 2.69S 138.82E 0 4.1,3.9
¶16101841

IDC Error ellipse: s-maj=37.2km s-min=20.0km az=81.0.

(202) New Guinea.

ISC I 03 17 52 51.9–.40 5.05S–.04 144.97E–.07 54 4.7b,3.7s 141 5-150
IDC I 03 17 52 44.8–.55 4.94S 144.95E 0 4.8L,4.6 **¶11534539**
BJI I 03 17 52 48.5 4.87S 145.03E 34 5.1b,5.0s
ISCJB I 03 17 52 50.2–.30 5.01S–.03 145.09E–.05 54 4.7b,3.6s
NEIC I 03 17 52 53.3–1.3 4.99S 144.90E 65–12 4.6b,3.6s
DJA I 03 17 52 54 5.04S 145.12E 83 4.8b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=12.6km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.0km az=169.1.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.4km az=76.0.
IDC I 09 16 19 40.7–1.7 6.83S 143.43E 0 3.9,3.8
¶12080855

IDC Error ellipse: s-maj=34.4km s-min=28.7km az=44.0.
IDC I 11 18 26 56.6–1.3 4.15S 143.98E 0 3.7,3.5b
¶12081052

IDC Error ellipse: s-maj=43.3km s-min=22.6km az=98.0.
ISC I 16 14 12 40.7–.56 6.95S–.06 143.33E–.08 35 4.1b,3.3s 40 5-148
IDC I 16 14 12 34.3–1.2 7.00S 143.87E 0 4.2,4.2 **¶12081442**
ISCJB I 16 14 12 39.1–.44 6.91S–.05 143.41E–.06 33 4.1b,3.3s
NEIC I 16 14 12 40.9–.69 6.93S 143.45E 35 4.6b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=19.7km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.8km az=177.4.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=11.3km az=99.0.

IDC I 18 11 23 02.7–6.1 4.00S 141.20E 58–65 3.7,3.6 ¶12081640

IDC Error ellipse: s-maj=51.4km s-min=25.7km az=105.0.
IDC I 20 22 18 46.5–8.4 6.35S 141.38E 0 3.8,3.7b ¶12081903

IDC Error ellipse: s-maj=305.7km s-min=35.1km az=94.0.
IDC I 27 10 14 13.7–1.9 6.65S 144.68E 0 3.6,3.5 ¶12082466

IDC Error ellipse: s-maj=49.9km s-min=30.9km az=75.0.
ISC II 08 23 40 14.0–.97 6.5S–.10 142.94E–.09 35 3.8b 19 5-88
IDC II 08 23 40 09.0–1.2 6.40S 143.03E 0 4.0,3.8 ¶12699810
ISCJB II 08 23 40 12.1–.81 6.54S–.09 142.96E–.07 33 3.8b,3.5s
NEIC II 08 23 40 14.1–.85 6.49S 142.91E 35 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=24.9km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=9.6km az=21.5.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=14.2km az=113.0.
IDC II 11 09 59 15.9–1.9 4.61S 143.64E 0 3.7,3.6 ¶15955416

IDC Error ellipse: s-maj=74.8km s-min=33.0km az=104.0.
IDC II 16 19 23 07.6–1.7 3.69S 141.77E 0 4.5L,4.1 ¶15956302

IDC Error ellipse: s-maj=63.5km s-min=23.4km az=106.0.
IDC II 18 21 27 09.7–1.7 6.79S 143.39E 0 3.8,3.6 ¶15956591

IDC Error ellipse: s-maj=34.0km s-min=28.4km az=43.0.
IDC II 18 23 01 33.6–1.8 4.48S 143.88E 0 3.9,3.7 ¶15956599

IDC Error ellipse: s-maj=56.4km s-min=30.3km az=109.0.
IDC II 19 01 38 48.6–1.9 4.68S 142.85E 0 3.9,3.7 ¶15956680

IDC Error ellipse: s-maj=74.1km s-min=26.1km az=112.0.
ISC III 10 00 56 43.2–1.1 4.1S–.10 144.0E–.10 35 4.0b 17 6-85
AUST III 10 00 56 38.9–11 4.07S 143.73E 1–1 4.0b ¶15153144
ISCJB III 10 00 56 41.5–.94 4.1S–.10 143.9E–.10 33 3.8b
IDC III 10 00 56 49.2–.87 4.43S 144.23E 100–8 3.8,3.6b
ISC Event type ke.
AUST Error ellipse: s-maj=3.3km s-min=1.4km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=14.2km az=153.3.
IDC Error ellipse: s-maj=26.7km s-min=15.1km az=75.0.
ISC III 15 12 49 50.0–.99 3.96S–.09 141.4E–.10 100 10 2-100
ISCJB III 15 12 49 48.7–.74 3.97S–.06 141.38E–.10 100 3.6b ¶15153206
AUST III 15 12 49 51.0–7.3 3.89S 141.18E 118–0 3.6b
IDC III 15 12 49 57.0–6.8 4.20S 141.75E 183–73 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=8.5km az=172.7.
AUST Error ellipse: s-maj=3.4km s-min=1.3km az=17.0.
IDC Error ellipse: s-maj=60.8km s-min=22.9km az=143.0.
IDC III 18 21 30 01.5–2.0 6.24S 145.40E 0 3.5,3.4 ¶12703615

IDC Error ellipse: s-maj=40.7km s-min=26.1km az=75.0.
ISC III 25 20 39 55.0–.56 4.13S–.06 142.03E–.09 109 3.9b 38 2-147
AUST III 25 20 39 43.2–1.2 3.00S 142.04E 92–0 3.9b ¶15153430
ISCJB III 25 20 39 53.7–.53 4.08S–.06 141.92E–.09 109 3.9b
IDC III 25 20 39 55.1–.68 4.16S 142.07E 113–5 3.9,3.8
ISC Event type ke.
AUST Error ellipse: s-maj=2.5km s-min=1.2km az=24.0.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=8.4km az=165.7.
IDC Error ellipse: s-maj=16.3km s-min=9.4km az=87.0.
ISC IV 02 04 13 59.5–.72 4.21S–.08 142.7E–.10 105 3.9b 22 7-86
AUST IV 02 04 13 45.6–4.2 3.27S 142.17E 25–0 3.9b ¶15153518
IDC IV 02 04 13 53.0–1.2 4.30S 142.74E 54–7 3.9,3.9
ISCJB IV 02 04 13 57.4–.61 4.30S–.07 142.6E–.10 105 3.8b,3.9
DJA IV 02 04 14 01.1–1.0 5S–11 142E–8.0 62–12 4.9,4.8
ISC Event type ke.
ISCJB Event type ke.
IDC IV 04 11 14 25.4–7.0 6.15S 145.41E 75–56 4.1L,3.7 ¶16152354

IDC Error ellipse: s-maj=58.6km s-min=44.2km az=27.0.
ISC IV 10 01 10 04.2–.44 3.00S–.07 141.91E–.07 30 4.3b,3.3s 81 1-152
AUST IV 10 01 09 59.3–1.1 2.94S 141.95E 0–0 4.3b,3.3s ¶15153647
IDC IV 10 01 09 59.5–.57 2.95S 141.89E 0 4.4,4.3
ISCJB IV 10 01 10 02.2–.34 3.02S–.04 141.93E–.06 30 4.3b,3.4s
DJA IV 10 01 10 02.0–.90 3S–9.0 142E–10 10 4.7,4.7b
NEIC IV 10 01 10 05.2–1.4 3.04S 141.90E 41–13 4.4b,4.7b
ISC Event type ke.
AUST Error ellipse: s-maj=1.9km s-min=1.0km az=236.0.
IDC Error ellipse: s-maj=22.5km s-min=14.8km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.9km az=164.6.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=8.3km az=61.0.
IDC IV 16 10 02 02.8–1.8 5.10S 143.58E 0 3.8,3.7 ¶16152838

IDC Error ellipse: s-maj=64.4km s-min=25.9km az=113.0.
IDC IV 18 19 28 48.6–1.9 5.87S 143.36E 0 5.1L,4.2 ¶16153002

IDC Error ellipse: s-maj=73.0km s-min=27.1km az=116.0.
IDC IV 25 02 05 42.1–1.2 5.31S 142.53E 0 4.1,3.9 ¶16153359

IDC Error ellipse: s-maj=49.7km s-min=25.5km az=102.0.
ISC IV 26 14 26 27.9–1.1 3.77S–.10 141.2E–.10 100 11 1-86
AUST IV 26 14 25 58.8 0.46S 141.50E 200 ¶16154521
ISCJB IV 26 14 26 27.9–.82 3.83S–.07 141.1E–.10 100 3.4b
IDC IV 26 14 26 28.0–9.1 3.75S 141.31E 107–89 3.8,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=9.6km az=169.3.
IDC Error ellipse: s-maj=67.9km s-min=29.8km az=140.0.
IDC IV 29 02 12 46.5–1.0 3.55S 141.09E 0 4.2s,4.2 ¶16154606

IDC Error ellipse: s-maj=28.7km s-min=21.1km az=89.0.
IDC V 04 05 06 16.2–3.0 4.13S 142.60E 0 4.2L,3.9 ¶16154885

IDC Error ellipse: s-maj=108.1km s-min=30.5km az=87.0.
ISC V 06 10 59 04.7–.63 4.15S–.07 142.1E–.10 109 3.8b 36 2-147
ISCJB V 06 10 59 03.6–.57 4.11S–.06 142.00E–.08 109 3.8b ¶15154182
IDC V 06 10 59 04.8–.73 4.20S 142.08E 114–5 3.9,3.8
AUST V 06 10 59 04.5 4.38S 142.05E 60 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=8.2km az=164.3.
IDC Error ellipse: s-maj=21.9km s-min=10.5km az=96.0.
IDC V 11 04 50 14.8–.75 6.23S 145.97E 115–7 3.8,3.7b ¶16155621

IDC Error ellipse: s-maj=25.3km s-min=14.4km az=100.0.
IDC V 24 23 37 34.1–1.0 5.83S 143.57E 0 4.2,4.1 ¶16156127

IDC Error ellipse: s-maj=31.8km s-min=21.4km az=81.0.
IDC V 25 15 39 54.2–1.9 5.16S 142.93E 0 4.2s,4.2 ¶16156150

IDC Error ellipse: s-maj=41.3km s-min=30.5km az=77.0.
IDC V 27 17 31 35.2–7.0 4.16S 143.28E 0 3.3,3.3L ¶16156231

IDC Error ellipse: s-maj=244.0km s-min=31.8km az=95.0.
IDC V 28 18 11 57.4–5.1 4.32S 142.76E 109–51 3.5,3.4 ¶16156280

IDC Error ellipse: s-maj=39.6km s-min=25.2km az=127.0.
ISC V 29 12 57 58.3–.46 6.16S–.04 142.30E–.05 28 4.5b,3.9s 74 3-156
ISCJB V 29 12 57 53.9–1.9 6.10S–.04 142.04E–.04 5–12 4.5b,3.8s ¶15155581
IDC V 29 12 57 54.1–.62 6.15S 142.53E 0 4.3,4.3
AUST V 29 12 57 57.3 6.34S 142.09E 0 4.3,4.3
DJA V 29 12 57 58.2–.70 6S–3.0 142E–6.0 98–8 5.2,5.2b
NEIC V 29 12 57 59.4–.42 6.24S 142.44E 35 5.1b,5.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=6.1km az=155.4.
IDC Error ellipse: s-maj=23.8km s-min=13.5km az=84.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.8km az=93.0.
IDC V 30 09 09 59.2–5.0 6.55S 145.54E 256–60 3.1,2.9 ¶16066073

IDC Error ellipse: s-maj=95.8km s-min=22.8km az=139.0.
IDC VI 03 03 05 57.6–.77 6.43S 143.10E 0 4.2,4.1 ¶16100881

IDC Error ellipse: s-maj=26.0km s-min=16.7km az=82.0.
IDC VI 09 05 00 36.1–1.3 5.76S 142.54E 0 3.9,3.8 ¶16101134

IDC Error ellipse: s-maj=57.7km s-min=28.6km az=109.0.
IDC VI 10 11 08 36.0–7.1 4.08S 141.29E 0 3.9L,3.7 ¶16101175

IDC Error ellipse: s-maj=262.9km s-min=32.3km az=91.0.
ISC VI 11 22 35 28.1–.90 4.00S–.10 141.7E–.10 54 3.8b 19 13-144
IDC VI 11 22 35 19.1–1.4 3.94S 142.27E 0 4.7L,4.2 ¶15156034
AUST VI 11 22 35 23.4 2.92S 141.02E 60 4.7L,4.2
ISCJB VI 11 22 35 26.3–.84 3.95S–.08 141.7E–.10 54 3.9b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC VI 13 22 22 58.6–2.9 4.02S 143.69E 0 4.2L,3.9 ¶16101295

IDC Error ellipse: s-maj=86.7km s-min=25.4km az=102.0.
IDC VI 15 11 36 37.9–7.6 4.78S 143.99E 116–44 3.8,3.6 ¶16101361

IDC Error ellipse: s-maj=77.2km s-min=29.0km az=13.0.
ISC VI 15 17 05 30.7–.54 4.38S–.06 143.36E–.08 103 4.3b 54 6-148
ISCJB VI 15 17 05 28.6–.40 4.31S–.04 143.45E–.06 103 4.2b ¶15156134
AUST VI 15 17 05 29.3–.84 4.15S 143.50E 112–0 4.2b
IDC VI 15 17 05 32.6–.76 4.47S 143.38E 129–7 4.2,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.4km az=166.4.
AUST Error ellipse: s-maj=2.0km s-min=1.0km az=32.0.
IDC Error ellipse: s-maj=16.7km s-min=8.4km az=93.0.
IDC VI 19 21 00 46.2–3.6 6.19S 141.19E 0 3.9,3.8L ¶16101513

IDC Error ellipse: s-maj=115.3km s-min=27.6km az=99.0.
IDC VI 23 15 51 27.1–3.8 5.72S 141.63E 0 4.0,4.0L ¶16101655

IDC Error ellipse: s-maj=113.2km s-min=30.5km az=99.0.
ISC VI 28 06 13 07.7–.59 5.07S–.09 143.5E–.10 101 4.1b 29 6-142
ISCJB VI 28 06 13 05.6–.45 5.13S–.05 143.59E–.08 101 4.1b ¶13584579
IDC VI 28 06 13 09.4–3.0 5.07S 143.54E 119–30 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=7.2km az=163.0.
IDC Error ellipse: s-maj=23.7km s-min=14.5km az=91.0.

(203) Bismarck Sea.

IDC I 15 07 08 35.1–3.3 4.73S 149.26E 578–22 2.9,2.8b ¶12081312

IDC Error ellipse: s-maj=106.8km s-min=24.0km az=102.0.
IDC I 27 16 16 56.7–1.3 3.29S 146.84E 0 4.1,3.9 ¶12082497

IDC Error ellipse: s-maj=42.8km s-min=18.8km az=101.0.
IDC I 29 02 41 12.2–4.6 3.05S 148.26E 0 3.7,3.4b ¶12082632

IDC Error ellipse: s-maj=161.5km s-min=34.3km az=100.0.
IDC I 29 19 58 06.1–4.3 4.31S 149.61E 196–40 3.2,3.1 ¶12082689

IDC Error ellipse: s-maj=103.2km s-min=26.3km az=105.0.
ISC II 09 11 41 32.5–.51 3.05S–.05 148.5E–.10 18 4.6b,4.2s 84 6-146
IDC II 09 11 41 29.4–.73 3.15S 148.47E 0 4.4,4.4 ¶11754775
ISCJB II 09 11 41 30.7–.42 3.11S–.04 148.40E–.10 18 4.4b,4.2s
NEIC II 09 11 41 30.8–.37 3.10S 148.46E 10 4.8b,4.2s
BJI II 09 11 41 31.1 3.00S 148.40E 10 5.1b,5.0s
MOS II 09 11 41 33.1–.87 3.17S 148.33E 36 4.6b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=13.6km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=6.1km az=179.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.1km az=89.0.
MOS Error ellipse: s-maj=17.5km s-min=8.8km az=91.5.
IDC II 13 18 30 30.9–1.4 4.73S 149.64E 594–16 3.1,3.1 ¶15955982

IDC Error ellipse: s-maj=29.6km s-min=13.3km az=103.0.
IDC II 16 00 30 24.0–3.7 3.64S 149.48E 0 3.9,3.6 ¶15956229

IDC Error ellipse: s-maj=125.0km s-min=47.6km az=114.0.
ISC II 16 00 33 38.0–.83 3.68S–.09 149.6E–.20 20 4.2s,4.1b 35 6-147
IDC II 16 00 33 35.0–1.4 3.64S 149.54E 0 4.3,4.2 ¶11789782
ISCJB II 16 00 33 36.0–.67 3.72S–.06 149.6E–.10 20 4.2s,4.0b
NEIC II 16 00 33 36.0–.48 3.66S 149.61E 10 4.4b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=20.0km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=8.9km az=4.7.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.3km az=95.0.
ISC II 16 00 35 32.7–1.1 3.6S–.10 149.7E–.20 20 4.0b 22 22-147
IDC II 16 00 35 29.6–1.8 3.55S 149.72E 0 4.4s,4.3 ¶12700849
ISCJB II 16 00 35 30.7–.85 3.61S–.09 149.7E–.20 20 4.4s,4.0b
NEIC II 16 00 35 30.8–.66 3.59S 149.76E 10 4.6b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=66.7km s-min=21.6km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=25.4km s-min=13.0km az=7.2.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=10.4km az=99.0.
IDC II 16 00 39 55.6–3.7 3.69S 149.52E 0 4.0,3.7 ¶15956230

IDC Error ellipse: s-maj=113.5km s-min=25.4km az=104.0.
IDC II 16 00 51 11.4–6.2 3.58S 149.37E 0 3.8s,3.8 ¶15956232

IDC Error ellipse: s-maj=219.9km s-min=32.4km az=103.0.
IDC II 16 00 52 32.0–4.2 3.40S 149.23E 0 4.3,4.0 ¶15956233

IDC Error ellipse: s-maj=144.1km s-min=50.8km az=112.0.
ISC II 20 12 35 50.9–.62 3.60S–.07 149.9E–.10 19 4.0b,4.0s 44 6-147
IDC II 20 12 35 47.9–.75 3.64S 149.82E 0 4.2,4.1 ¶12701334
ISCJB II 20 12 35 49.2–.54 3.58S–.06 149.8E–.10 19 4.2b,3.9s
NEIC II 20 12 35 49.4–.56 3.62S 149.87E 10 4.6b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=12.7km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=7.8km az=12.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=9.1km az=99.0.
ISC II 20 12 55 11.1–.67 3.57S–.08 149.9E–.20 19 4.2b,4.0s 33 6-147
IDC II 20 12 55 07.9–.77 3.55S 149.91E 0 4.2,4.1 ¶12701335
ISCJB II 20 12 55 09.5–.59 3.56S–.07 149.8E–.10 19 4.2b,4.0s
NEIC II 20 12 55 09.8–.49 3.57S 149.75E 10 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=15.8km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=9.5km az=8.7.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.7km az=97.0.
ISC II 20 13 47 09.8–.50 3.64S–.06 149.9E–.10 19 4.7b,3.9s 101 6-155
IDC II 20 13 47 06.2–.68 3.71S 149.82E 0 4.5,4.4 ¶11713223
ISCJB II 20 13 47 08.5–.40 3.72S–.04 149.76E–.08 19 4.7b,3.9s
NEIC II 20 13 47 08.5–.40 3.63S 149.84E 10 5.0b,3.9s
BJI II 20 13 47 16.3 3.53S 149.87E 72 5.2b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=11.4km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=6.4km az=174.8.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.7km az=90.0.
ISC II 20 14 13 25.2–.62 3.59S–.09 149.9E–.10 19 4.0b,3.4s 36 6-147
IDC II 20 14 13 22.2–.84 3.55S 149.99E 0 4.2,4.0 ¶12701341
ISCJB II 20 14 13 23.5–.58 3.57S–.07 149.85E–.09 19 4.0b,3.4s

NEIC II 20 14 13 23.6–.47 3.58S 149.92E 10 4.6b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=17.2km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=10.7km az=6.6.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.2km az=96.0.
IDC II 20 15 42 00.5–1.9 4.65S 149.22E 0 3.8,3.7
¶15956821
IDC Error ellipse: s-maj=112.8km s-min=26.7km az=127.0.
IDC III 01 07 40 34.1–2.9 3.15S 146.35E 0 4.2,4.0
¶12702168
IDC Error ellipse: s-maj=67.6km s-min=27.9km az=85.0.
ISC III 06 05 26 08.3–.94 3.4S–.10 146.2E–.20 25 3.6b,3.4s 22 6-144
IDC III 06 05 26 04.5–1.2 3.39S 146.24E 0 4.0,3.9 **¶12702542**
ISCJB III 06 05 26 06.6–.89 3.43S–.08 146.2E–.20 25 3.7b,3.5s
NEIC III 06 05 26 10.6–2.5 3.47S 146.25E 46–25 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=17.5km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=27.7km s-min=11.9km az=3.4.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=13.6km az=114.0.
IDC III 09 11 51 50.2–2.4 4.12S 148.11E 0 4.0,3.8
¶12702797
IDC Error ellipse: s-maj=111.1km s-min=23.4km az=117.0.
ISC III 09 12 19 12.9–.51 3.44S–.06 149.5E–.10 20 4.5s,4.5b 72 6-147
IDC III 09 12 19 09.3–.69 3.48S 149.59E 0 4.5,4.4 **¶15153113**
NEIC III 09 12 19 10.9–.34 3.49S 149.60E 10 4.6b,4.4
ISCJB III 09 12 19 11.2–.41 3.47S–.04 149.47E–.08 20 4.5s,4.4b
GCMT III 09 12 19 15.3–.10 3.47S 149.58E 16–0 5.2W,4.4b
BJI III 09 12 19 17.3 3.60S 149.50E 70 5.2b,4.8s
AUST III 09 12 19 22.2 3.79S 149.55E 100 5.2b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=13.4km az=101.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=5.8km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=5.9km az=1.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s56,c81; s95,c170; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.05±.14 $M_{\theta\theta}$3.98±.13; $M_{\phi\phi}$-3.93±.13; $M_{r\theta}$1.25±.38; $M_{\theta\phi}$6.19±.12; $M_{\phi r}$0.36±.35; Best double couple: NP1:ϕ_s16.00000°,δ82.00000°,λ175.00000°. NP2:ϕ_s107.00000°,δ85.00000°,λ8.00000°. Principal axes: T 7.5800,Plg9.0000° ,Azm331.0000°; N -0.2500,Plg80.0000°,Azm138.0000°; P -7.3300,Plg2.0000° ,Azm241.0000° $M_0$7.50000×10^{16}
IDC III 14 15 20 06.2–4.5 3.04S 148.13E 0 4.4,4.2
¶12703274
IDC Error ellipse: s-maj=149.4km s-min=50.8km az=108.0.
IDC III 26 06 15 05.0–1.4 3.33S 146.39E 0 4.2,4.0
¶12635619
IDC Error ellipse: s-maj=48.3km s-min=19.9km az=103.0.
ISC IV 10 04 09 41.2–.51 3.28S–.06 148.83E–.09 19 4.5b,4.4s 79 6-146
AUST IV 10 04 09 34.2–8.3 2.96S 149.15E 0–0 4.5b,4.4s **¶15153648**
IDC IV 10 04 09 38.1–.66 3.39S 148.68E 0 4.4,4.4
ISCJB IV 10 04 09 39.6–.39 3.29S–.04 148.71E–.07 19 4.5b,4.4s
NEIC IV 10 04 09 42.3–3.4 3.35S 148.68E 26–24 4.7b,4.4s
GCMT IV 10 04 09 44.7–.10 3.22S 148.72E 13–0 5.2W,4.4s
DJA IV 10 04 09 48.4–2.0 3S–14 149E–15 86–11 5.4,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 100 sta. Moment Tensor Solution. s55,c74; s99,c182; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.10±.14 $M_{\theta\theta}$5.03±.14; $M_{\phi\phi}$-3.92±.13; $M_{r\theta}$-0.46±.28; $M_{\theta\phi}$5.32±.12; $M_{\phi r}$-0.67±.28; Best double couple: NP1: ϕ_s290.00000°,δ84.00000°,λ0.00000°. NP2:ϕ_s200.00000°,δ90.00000°,λ174.00000°. Principal axes: T 7.5600,Plg5.0000°,Azm155.0000°; N -1.1200,Plg84.0000°,Azm19.0000° ; P -6.4300,Plg4.0000°,Azm245.0000° $M_0$7.00000×10^{16}
ISC IV 10 05 24 35.6–2.9 3.5S–.20 149.3E–.70 20 4.0b 18 17-147
IDC IV 10 05 24 31.1–4.2 3.44S 149.55E 0 4.0,3.9b **¶12934985**
NEIC IV 10 05 24 34.1–2.3 3.41S 149.22E 10 4.5b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=139.4km s-min=22.8km az=105.0.
NEIC Event type se. Error ellipse: s-maj=79.0km s-min=12.2km az=103.0.
IDC V 12 00 56 24.1–1.4 3.21S 148.37E 0 4.3,4.0b
¶16155658
IDC Error ellipse: s-maj=52.6km s-min=19.8km az=119.0.
IDC V 17 13 26 25.3–6.3 3.24S 149.83E 0 3.5,3.4
¶16155840
IDC Error ellipse: s-maj=199.6km s-min=33.4km az=101.0.
IDC V 17 13 28 06.0–3.7 3.34S 148.70E 0 4.1,3.9b
¶16155841
IDC Error ellipse: s-maj=114.6km s-min=47.1km az=109.0.
IDC V 17 13 30 27.3–7.4 3.52S 148.63E 0 3.9,3.7
¶16155842
IDC Error ellipse: s-maj=155.8km s-min=40.7km az=85.0.
ISC V 17 14 15 37.3–1.6 3.6S–.20 149.4E–.30 20 4.3s,3.9b 18 6-147
IDC V 17 14 15 33.9–1.7 3.57S 149.47E 0 4.2s,4.2 **¶13439658**
ISCJB V 17 14 15 36.0–1.4 3.5S–.10 149.4E–.30 20 4.2s,3.9b
NEIC V 17 14 15 39.5–1.3 3.55S 149.43E 35 4.5b,3.9b
GCMT V 17 14 15 41.2–.20 3.45S 149.31E 16–1 5.0W,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=56.2km s-min=22.0km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=45.3km s-min=15.2km az=19.8.
NEIC Event type se. Error ellipse: s-maj=43.5km s-min=14.2km az=111.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c40; s87,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.12 $M_{\theta\theta}$1.55±.11; $M_{\phi\phi}$-1.59±.12; $M_{r\theta}$-0.47±.33; $M_{\theta\phi}$3.85±.10; $M_{\phi r}$-0.07±.32; Best double couple: NP1:ϕ_s191.00000°,δ84.00000°,λ178.00000°. NP2:ϕ_s281.00000°,δ88.00000°,λ6.00000°. Principal axes: T 4.1800,Plg6.0000° ,Azm146.0000°; N 0.0100,Plg83.0000°,Azm301.0000°; P -4.1900,Plg3.0000°,Azm56.0000° $M_0$4.20000×10^{16}
IDC V 19 18 12 18.8–2.2 4.21S 149.08E 0 3.7,3.4
¶16155916
IDC Error ellipse: s-maj=145.3km s-min=28.8km az=127.0.
ISC VI 22 22 05 14.0–.51 3.41S–.04 146.55E–.06 30–3 5.0b,4.7s 219 6-151
BJI VI 22 22 05 05.0 4.05S 147.40E 35 5.1b,5.0b **¶13217754**
ISCJB VI 22 22 05 09.0–1.3 3.40S–.04 146.52E–.05 11–8 5.0b,4.7s
IDC VI 22 22 05 09.0–.55 3.23S 146.27E 0 4.8,4.7
MOS VI 22 22 05 12.0–1.2 3.35S 146.43E 33 5.4b,4.9s
GCMT VI 22 22 05 14.3–.10 3.31S 146.57E 15 5.2W,4.9s
NEIC VI 22 22 05 15.6–1.6 3.45S 146.48E 47–16 5.2b,4.9s
DJA VI 22 22 05 17.2–2.3 3S–7.0 146E–9.0 16–16 5.5b,5.0
ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c80; s96,c167; Moment tensor: Scale 10^{16}Nm; M_{rr}0.24±.14 $M_{\theta\theta}$0.13±.12; $M_{\phi\phi}$-0.36±.14; $M_{r\theta}$-0.24±.39; $M_{\theta\phi}$7.63±.09; $M_{\phi r}$-2.24±.39; Best double couple: NP1:ϕ_s271.00000°,δ74.00000°,λ2.00000°. NP2:ϕ_s181.00000°,δ88.00000°,λ164.00000°. Principal axes: T 7.9100,Plg13.0000° ,Azm135.0000°; N 0.1000,Plg73.0000°,Azm354.0000°; P -8.0100,Plg10.0000° ,Azm227.0000° $M_0$8.00000×10^{16}
NEIC Event type se.
ISC VI 22 22 56 50.0–.65 3.46S–.07 146.8E–.20 25 4.2b,4.1s 42 6-146
IDC VI 22 22 56 46.2–.89 3.47S 146.85E 0 4.3,4.2 **¶13681862**
ISCJB VI 22 22 56 48.3–.64 3.47S–.06 146.8E–.20 25 4.2b,4.0s
NEIC VI 22 22 56 53.1–1.8 3.51S 146.80E 52–18 4.5b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=14.6km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=8.1km az=1.7.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=10.2km az=92.0.
ISC VI 23 00 44 40.7–.49 3.35S–.06 146.5E–.10 20 4.2s,4.1b 49 6-148
IDC VI 23 00 44 37.6–.66 3.32S 146.54E 0 4.4,4.3 **¶13681871**
ISCJB VI 23 00 44 38.8–.39 3.38S–.04 146.45E–.09 20 4.1b,4.1s
NEIC VI 23 00 44 41.3–3.9 3.41S 146.43E 24–28 4.5b,4.1s
GCMT VI 23 00 44 44.5–.20 3.35S 146.56E 13–1 5.0W,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=12.8km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=6.0km az=172.8.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.5km az=124.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s30,c36; s83,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}0.07±.11 $M_{\theta\theta}$-0.37±.10; $M_{\phi\phi}$0.30±.11; $M_{r\theta}$-0.85±.29; $M_{\theta\phi}$3.53±.09; $M_{\phi r}$-0.02±.24; Best double couple: NP1:ϕ_s177.00000°,δ76.00000°,λ180.00000°. NP2:ϕ_s267.00000°,δ90.00000°,λ14.00000°. Principal axes: T 3.6100,Plg10.0000° ,Azm133.0000°; N 0.0700,Plg76.0000°,Azm268.0000°; P -3.6800,Plg9.0000°,Azm42.0000° $M_0$3.70000×10^{16}
IDC VI 24 03 21 11.1–2.0 4.30S 148.49E 0 4.3,4.0
¶16101676
IDC Error ellipse: s-maj=212.5km s-min=27.9km az=122.0.
IDC VI 30 00 46 16.3–5.2 3.19S 146.07E 95–55 3.8,3.6
¶16101880
IDC Error ellipse: s-maj=44.9km s-min=25.5km az=118.0.

(204) Aru Islands region.

IDC I 01 02 40 31.1–2.5 5.35S 133.78E 0 3.5,3.4b
¶12079723
IDC Error ellipse: s-maj=92.6km s-min=29.8km az=82.0.
IDC I 01 02 44 57.4–3.0 5.26S 133.89E 0 3.7,3.6b
¶12079724
IDC Error ellipse: s-maj=131.9km s-min=28.4km az=83.0.
IDC I 08 09 40 32.4–3.0 5.34S 133.83E 0 3.9b,3.8
¶12080725
IDC Error ellipse: s-maj=127.9km s-min=28.5km az=83.0.
IDC I 15 17 17 01.1–2.4 5.41S 133.87E 0 3.8,3.7L
DJA I 15 17 17 06 5.15S 133.92E 61 4.4b,3.7L **¶12081350**
IDC Error ellipse: s-maj=82.4km s-min=29.4km az=87.0.
ISC I 21 04 57 46.4–1.1 6.61S–.08 133.56E–.09 35 3.9b 13 1-73
DJA I 21 04 57 40.6–1.3 6S–7.0 134E–14 10 5.4b,4.8 **¶12081944**
ISCJB I 21 04 57 45.2–.86 6.55S–.06 133.6E–.10 33 3.8b,4.8
IDC I 21 04 57 45.0–1.6 6.68S 133.65E 0 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=6.9km az=159.8.
IDC Error ellipse: s-maj=71.0km s-min=20.6km az=78.0.
IDC I 21 11 07 51.9–2.1 6.20S 133.92E 0 4.0b,3.9
¶12081963
IDC Error ellipse: s-maj=89.6km s-min=27.4km az=77.0.
IDC I 29 16 09 43.1–5.4 5.33S 132.83E 0 3.3,3.2L
¶12082676
IDC Error ellipse: s-maj=329.3km s-min=30.3km az=76.0.
IDC I 30 13 50 11.6–2.5 5.12S 132.39E 0 3.9,3.8L
¶12082741
IDC Error ellipse: s-maj=189.8km s-min=25.4km az=70.0.
IDC II 16 18 47 57.3–3.2 7.24S 133.55E 0 3.6b,3.5
¶15956296
IDC Error ellipse: s-maj=216.9km s-min=29.7km az=80.0.
ISC III 04 06 33 49.0–1.4 5.53S–.08 133.9E–.10 32 11 1-69
ISCJB III 04 06 33 46.6–1.2 5.62S–.06 133.96E–.10 32 3.5s,3.4b **¶15153041**
IDC III 04 06 33 46.2–5.6 5.52S 133.56E 0 3.8,3.6
AUST III 04 06 33 52.1 5.46S 133.04E 100 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=8.0km az=164.3.
IDC Error ellipse: s-maj=319.5km s-min=32.4km az=77.0.
IDC III 04 23 56 34.2–5.4 6.13S 133.69E 0 3.5L,3.5
¶12702463
IDC Error ellipse: s-maj=310.7km s-min=32.6km az=78.0.
ISC III 12 16 10 57.9–1.2 7.45S–.07 133.2E–.10 35 10 5-70
IDC III 12 16 10 53.9–2.0 7.33S 133.33E 0 3.6,3.5b **¶15153176**
AUST III 12 16 11 36.7–99 9.96S 132.02E 1–0 3.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=77.4km s-min=27.2km az=76.0.
AUST Error ellipse: s-maj=2.7km s-min=1.1km az=270.0.
AUST III 23 15 22 23.6 5.97S 132.04E 35
¶15153388
IDC IV 08 11 58 29.6–3.0 5.61S 133.57E 0 3.4,3.3
¶16152547
IDC Error ellipse: s-maj=123.6km s-min=29.4km az=83.0.
ISC IV 12 18 46 41.7–1.8 5.9S–.10 133.5E–.20 33 7 1-69
AUST IV 12 18 45 55.0 1.99S 131.00E 60 **¶16152727**
IDC IV 12 18 46 36.8–2.6 5.93S 133.52E 0 3.4,3.2
ISCJB IV 12 18 46 39.5–1.5 6.00S–.08 133.6E–.20 33 3.1b,3.2
ISC Event type ke.
ISCJB Event type ke.
IDC IV 25 16 41 12.1–2.9 5.82S 133.78E 0 3.6,3.6b
¶16153384
IDC Error ellipse: s-maj=97.3km s-min=29.4km az=87.0.
ISC V 11 07 09 43.4–.75 6.07S–.07 133.60E–.09 33 3.9b 23 3-146
IDC V 11 07 09 38.4–.89 5.69S 133.96E 0 4.2,4.0 **¶15154261**
ISCJB V 11 07 09 40.9–.55 5.95S–.05 133.74E–.08 33 3.7b,4.0
AUST V 11 07 09 44.6 5.96S 133.54E 35 3.7b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=45.0km s-min=19.8km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=6.7km az=171.3.
ISC V 12 15 30 23.1–.68 5.70S–.06 133.52E–.07 35 3.9b 22 3-149
IDC V 12 15 30 19.9–.87 5.76S 133.48E 0 4.0,3.9 **¶15154277**
AUST V 12 15 30 20.2–4.1 5.56S 133.32E 14–0 4.0,3.9
ISCJB V 12 15 30 21.7–.53 5.71S–.04 133.53E–.08 33 3.7b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC V 16 01 25 57.9–1.8 5.1S–.10 133.5E–.20 25 7 8-69
IDC V 16 01 25 53.9–2.6 4.88S 133.80E 0 3.7,3.6L **¶16155789**
AUST V 16 01 27 30.3–2.2 11.45S 131.84E 108–0 3.7,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=97.2km s-min=29.0km az=82.0.
AUST Error ellipse: s-maj=3.1km s-min=1.2km az=23.0.
ISC V 26 00 58 28.5–1.3 5.54S–.06 133.7E–.20 35 13 3-69
IDC V 26 00 58 24.5–3.1 5.48S 133.96E 0 3.8,3.7L **¶15155513**
AUST V 26 00 58 34.0 5.46S 133.04E 60 3.8,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=126.2km s-min=29.4km az=83.0.
IDC V 28 23 42 60.0–5.8 5.59S 133.73E 0 3.6,3.5b
¶16156290
IDC Error ellipse: s-maj=328.4km s-min=33.5km az=78.0.
IDC VI 03 03 39 22.2–.96 5.07S 133.31E 0 4.1,4.0
¶16100883
IDC Error ellipse: s-maj=59.9km s-min=18.4km az=69.0.
ISC VI 28 17 41 50.9–.36 5.48S–.05 133.81E–.05 28 4.5b,4.0s 136 3-149
BJI VI 28 17 41 47.7 5.80S 133.85E 37 5.0b,4.8b **¶13307283**
ISCJB VI 28 17 41 47.9–.28 5.55S–.03 133.79E–.04 28 4.5b,4.0s
IDC VI 28 17 41 47.1–.63 5.31S 133.74E 0 4.3,4.3
MOS VI 28 17 41 48.5–.91 5.55S 133.81E 33 4.9b,4.3
NEIC VI 28 17 41 50.4–.27 5.57S 133.75E 35 4.6b,4.3
DJA VI 28 17 41 55.3–.30 5S–3.0 134E–2.0 52–7 5.2b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(205) Near south coast of Irian Jaya.

IDC III 26 04 28 49.4–2.9 5.02S 138.97E 0 3.7,3.6L
¶12635616
IDC Error ellipse: s-maj=87.0km s-min=29.6km az=92.0.

(206) Near south coast of New Guinea.

ISC III 19 19 40 06.4–.83 7.25S–.10 144.99E–.08 35 3.7b 18 3-87
AUST III 19 19 39 57.8 6.78S 145.12E 0 3.7b **¶15153276**
IDC III 19 19 40 01.2–1.1 7.19S 145.16E 0 4.0,3.9
ISCJB III 19 19 40 04.6–.68 7.27S–.07 144.99E–.06 33 3.6b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC V 05 20 38 53.0–1.2 8.64S–.08 142.8E–.10 35 3.5b 18 4-79
IDC V 05 20 38 46.0–1.2 8.45S 143.21E 0 3.8,3.7L **¶15154127**
AUST V 05 20 38 52.5 8.79S 142.67E 0 3.8,3.7L

ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=24.1km az=85.0.

(207) Eastern New Guinea region.

IDC I 02 23 18 42.2–1.7 5.60S 147.34E 174–19 3.6,3.4b ¶12079859

IDC Error ellipse: s-maj=40.4km s-min=11.9km az=114.0.
IDC I 03 05 50 42.9–2.5 5.64S 147.10E 169–38 3.7,3.5 ¶12079876

IDC Error ellipse: s-maj=65.2km s-min=16.2km az=113.0.
IDC I 04 05 06 39.5–7.0 5.52S 145.77E 0 4.0,4.0L ¶12080098

IDC Error ellipse: s-maj=97.6km s-min=56.5km az=11.0.
ISC I 04 07 32 14.2–.52 6.14S–.06 147.4E–.10 77 4.8b 54 3-152
NEIC I 04 07 32 08.4–.57 5.80S 147.59E 35 4.8b ¶12080135
ISCJB I 04 07 32 12.6–.52 6.10S–.05 147.5E–.10 77 4.6b
IDC I 04 07 32 16.2–1.8 6.22S 147.53E 96–15 4.4,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=11.1km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=6.5km az=10.2.
IDC Error ellipse: s-maj=29.8km s-min=13.0km az=93.0.
IDC I 06 04 36 42.5–6.3 5.72S 147.50E 174–65 3.1,3.0b ¶12080456

IDC Error ellipse: s-maj=102.3km s-min=47.1km az=130.0.
IDC I 06 16 34 17.4–5.2 6.09S 146.90E 65–56 3.6,3.3 ¶12080527

IDC Error ellipse: s-maj=43.7km s-min=33.5km az=117.0.
IDC I 09 16 21 51.5–1.4 5.81S 146.59E 0 3.8,3.6 ¶12080856

IDC Error ellipse: s-maj=42.8km s-min=25.7km az=101.0.
IDC I 09 21 06 41.1–2.0 5.51S 147.28E 212–36 3.1s,3.1 ¶12080888

IDC Error ellipse: s-maj=73.9km s-min=13.5km az=113.0.
IDC I 10 12 40 31.3–1.6 5.12S 146.06E 0 4.6,4.6s ¶12080940

IDC Error ellipse: s-maj=48.3km s-min=26.0km az=118.0.
IDC I 10 13 09 33.7–7.4 5.32S 147.11E 143–74 3.3b,3.3 ¶12080946

IDC Error ellipse: s-maj=91.7km s-min=50.7km az=129.0.
ISC I 11 14 03 49.6–.39 6.51S–.04 147.49E–.07 63 4.7b 146 3-153
ISCJB I 11 14 03 47.1–.32 6.42S–.03 147.50E–.06 63 4.7b ¶11594528
BJI I 11 14 03 47.2 6.73S 147.68E 75 5.3b,4.8s
IDC I 11 14 03 48.4–1.9 6.35S 147.38E 57–18 4.5L,4.4
NEIC I 11 14 03 49.6–1.1 6.39S 147.42E 73–10 4.6b,4.4
DJA I 11 14 03 49 6.33S 147.80E 68 5.3b,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.3km az=174.2.
IDC Error ellipse: s-maj=19.3km s-min=12.0km az=88.0.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=7.2km az=84.0. Felt at Lae.
IDC I 12 22 25 55.4–2.8 6.38S 147.50E 52–30 3.8,3.7 ¶12081146

IDC Error ellipse: s-maj=42.6km s-min=13.3km az=111.0.
IDC I 13 12 04 54.6–7.6 5.32S 146.41E 154–81 3.4,3.3b ¶12081181

IDC Error ellipse: s-maj=84.7km s-min=27.0km az=141.0.
IDC I 13 18 59 49.6–.94 6.48S 147.11E 0 3.7,3.7 ¶12081209

IDC Error ellipse: s-maj=32.8km s-min=12.6km az=93.0.
IDC I 15 12 58 03.2–1.9 5.14S 147.64E 0 5.3L,4.8 ¶12081332

IDC Error ellipse: s-maj=113.0km s-min=29.1km az=121.0.
ISC I 16 06 28 08.8–.79 6.23S–.07 146.01E–.10 100 4.2b 39 3-151
ISCJB I 16 06 28 07.6–.62 6.22S–.05 146.04E–.08 100 4.0b ¶12081413
IDC I 16 06 28 07.5–3.0 6.24S 145.96E 88–27 4.1,3.9
NEIC I 16 06 28 09.9–1.9 6.21S 146.01E 111–17 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.4km az=9.8.
IDC Error ellipse: s-maj=26.3km s-min=13.4km az=126.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=12.8km az=138.0.
IDC I 17 12 59 39.5–3.3 6.39S 147.08E 70–36 3.7,3.7 ¶12081541

IDC Error ellipse: s-maj=34.8km s-min=20.7km az=110.0.
IDC I 21 19 20 37.6–3.5 6.25S 146.87E 0 3.2,3.1 ¶12082003

IDC Error ellipse: s-maj=79.9km s-min=35.8km az=80.0.
IDC I 24 05 34 25.1–4.9 5.70S 147.83E 225–46 3.1b,3.1 ¶12082192

IDC Error ellipse: s-maj=93.0km s-min=45.4km az=126.0.
IDC I 25 14 10 48.1–3.1 6.06S 147.25E 0 3.6,3.4b ¶12082310

IDC Error ellipse: s-maj=68.7km s-min=33.3km az=88.0.
NEIC I 25 21 30 04.1–1.2 7.69S 147.14E 144–12 3.9b
IDC I 25 21 30 03.1–1.8 7.68S 147.16E 134–20 3.3,3.2b ¶12082327
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=11.9km az=121.0.
IDC Error ellipse: s-maj=32.4km s-min=25.1km az=116.0.
IDC I 27 09 09 24.4–1.8 8.62S 147.11E 0 3.8b,3.5 ¶12082461

IDC Error ellipse: s-maj=50.3km s-min=13.3km az=87.0.
IDC I 27 09 45 50.6–7.5 6.08S 146.36E 159–115 2.8,2.7 ¶12082465

IDC Error ellipse: s-maj=148.5km s-min=36.9km az=116.0.
IDC I 28 03 41 11.4–6.5 6.50S 146.43E 91–52 3.3L,3.3 ¶12082535

IDC Error ellipse: s-maj=57.0km s-min=52.2km az=73.0.
IDC I 30 04 19 11.1–3.2 6.33S 147.25E 0 4.1,4.1s ¶12082713

IDC Error ellipse: s-maj=70.9km s-min=33.9km az=87.0.
IDC I 30 09 17 08.6–3.1 5.94S 147.83E 45–29 4.3,4.1 ¶12082731

IDC Error ellipse: s-maj=45.4km s-min=17.2km az=118.0.
IDC II 01 11 45 02.8–4.8 5.75S 147.57E 201–45 3.3,3.2 ¶15954825

IDC Error ellipse: s-maj=77.2km s-min=41.8km az=127.0.
IDC II 02 14 15 48.2–8.9 5.87S 145.77E 0 3.6,3.6b ¶15954898

IDC Error ellipse: s-maj=124.9km s-min=47.0km az=28.0.
IDC II 07 00 58 03.0–1.5 5.18S 147.19E 0 3.9,3.7 ¶15955165

IDC Error ellipse: s-maj=53.2km s-min=22.8km az=109.0.
IDC II 07 09 57 38.2–3.1 6.79S 147.55E 70–32 3.6,3.5 ¶15955176

IDC Error ellipse: s-maj=52.4km s-min=16.6km az=116.0.
ISC II 08 15 34 38.3–.23 6.18S–.03 147.85E–.04 55–1 5.5b,5.2s 831 3-168
BJI II 08 15 34 32.5 6.62S 148.18E 60 5.5b,5.4b ¶11667442
MOS II 08 15 34 34.5–.99 6.08S 147.78E 33 5.7b,5.2s
ISCJB II 08 15 34 35.5–.68 6.14S–.02 147.87E–.02 43–6 5.6b,5.2s
NEIC II 08 15 34 37.2–.12 6.12S 147.82E 47 5.6W,5.5b
IDC II 08 15 34 37.8–.48 6.20S 147.78E 47–4 5.3,5.3
DJA II 08 15 34 43 6.40S 147.78E 86 5.6W,5.3
ISC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=5.4km az=95.3.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.8km az=40.3.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=90.0. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}2.05 $M_{\theta\theta}$-2.14 $M_{\phi\phi}$0.09 $M_{r\theta}$0.63 $M_{\theta\phi}$0.46 $M_{\phi r}$-0.20 Best double couple: NP1:ϕ_s279.00000°,δ37.00000°,λ86.00000°. NP2:ϕ_s103.00000°,δ54.00000°,λ93.00000°. Principal axes: T 2.1500,Plg81.0000°,Azm25.0000°; N 0.1800,Plg2.0000°,Azm281.0000°; P -2.3300,Plg8.0000°,Azm191.0000° M_o2.30000×10^{17}
IDC Error ellipse: s-maj=10.4km s-min=6.1km az=104.0.
IDC II 09 07 54 49.7–2.1 4.89S 146.60E 0 3.8,3.5 ¶15955292

IDC Error ellipse: s-maj=139.3km s-min=29.2km az=125.0.
IDC II 09 22 25 38.8–12 6.44S 147.03E 79–121 3.4,3.3b ¶15955316

IDC Error ellipse: s-maj=161.9km s-min=56.1km az=144.0.
ISC II 10 04 59 50.9–.96 6.18S–.07 147.5E–.20 77 3.7b 26 3-146
ISCJB II 10 04 59 49.8–.91 6.25S–.09 147.4E–.20 77 3.6b ¶12699892
NEIC II 10 04 59 50.8–1.9 6.25S 147.48E 75–17 3.9b
IDC II 10 04 59 50.6–4.0 6.27S 147.51E 73–36 3.7,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.2km s-min=12.3km az=7.4.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=13.6km az=115.0.
IDC Error ellipse: s-maj=38.7km s-min=24.9km az=101.0.
ISC II 11 04 36 26.3–1.0 5.30S–.09 146.9E–.20 195 4.5b 27 4-145
ISCJB II 11 04 36 25.0–1.1 5.24S–.09 146.9E–.10 195 4.2b ¶12699950
NEIC II 11 04 36 27.4–1.8 5.27S 146.98E 210–15 4.4b
IDC II 11 04 36 29.5–1.9 5.56S 147.05E 224–18 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=12.6km az=4.9.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=14.0km az=138.0.
IDC Error ellipse: s-maj=36.0km s-min=13.3km az=120.0.
IDC II 12 23 18 25.2–1.6 5.60S 147.81E 148–18 3.8,3.6 ¶15955832

IDC Error ellipse: s-maj=46.2km s-min=12.2km az=109.0.
IDC II 13 06 15 22.6–2.8 6.37S 146.16E 126–30 3.9,3.7s ¶15955892

IDC Error ellipse: s-maj=29.5km s-min=23.2km az=116.0.
IDC II 16 17 02 40.7–3.7 7.99S 147.82E 67–27 4.2L,3.9 ¶15956294

IDC Error ellipse: s-maj=44.7km s-min=23.1km az=85.0.
ISC II 17 09 44 46.4–.49 5.71S–.06 145.63E–.08 86 4.0b 60 4-151
ISCJB II 17 09 44 44.8–.44 5.68S–.04 145.70E–.07 86 4.0b ¶12700993
DJA II 17 09 44 47 5.48S 145.96E 109 4.8b
IDC II 17 09 44 47.8–2.1 5.80S 145.66E 100–20 4.1,4.1
NEIC II 17 09 44 48.1–1.5 5.66S 145.70E 103–14 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.0km az=173.0.
IDC Error ellipse: s-maj=18.0km s-min=11.4km az=97.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.0km az=151.0.
IDC II 17 11 17 04.1–4.8 6.02S 147.16E 97–45 4.0,3.8 ¶15956403

IDC Error ellipse: s-maj=49.1km s-min=27.5km az=133.0.
IDC II 18 10 44 03.8–3.5 5.62S 147.70E 180–46 3.4,3.2 ¶15956552

IDC Error ellipse: s-maj=90.7km s-min=31.4km az=112.0.
IDC II 19 19 27 50.4–5.3 5.67S 147.70E 179–49 3.4,3.2 ¶15956728

IDC Error ellipse: s-maj=79.9km s-min=45.8km az=127.0.
IDC II 20 01 36 06.8–2.8 6.07S 146.75E 0 3.9,3.7 ¶15956800

IDC Error ellipse: s-maj=32.9km s-min=23.8km az=142.0.
ISC II 20 04 11 50.1–.49 7.16S–.05 146.38E–.10 170 4.1b 68 2-151
ISCJB II 20 04 11 48.9–.35 7.17S–.04 146.19E–.08 170 4.0b ¶12701308
IDC II 20 04 11 49.5–1.0 7.19S 146.24E 162–11 4.0,4.0
NEIC II 20 04 11 50.4–.83 7.17S 146.21E 169–8 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=5.7km az=174.9.
IDC Error ellipse: s-maj=20.3km s-min=9.5km az=101.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.4km az=98.0.
IDC II 22 20 55 02.1–3.3 5.62S 147.77E 151–45 3.8s,3.8 ¶15956971

IDC Error ellipse: s-maj=85.4km s-min=25.8km az=113.0.
ISC II 25 18 57 51.3–1.1 5.7S–.10 145.9E–.20 69 3.6b 10 4-151
ISCJB II 25 18 57 49.8–.00 5.67S–.09 145.9E–.10 69 3.5b ¶15957267
IDC II 25 18 57 50.8–4.8 5.64S 145.89E 63–48 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.1km s-min=10.1km az=157.3.
IDC Error ellipse: s-maj=31.9km s-min=29.2km az=113.0.
IDC II 26 13 39 20.2–2.2 7.30S 147.50E 0 3.9,3.7 ¶15957358

IDC Error ellipse: s-maj=66.2km s-min=23.6km az=91.0.
IDC II 26 20 36 56.8–3.0 6.52S 147.61E 0 3.4,3.3 ¶15957377

IDC Error ellipse: s-maj=65.0km s-min=32.6km az=95.0.
IDC II 28 01 16 45.2–1.3 8.91S 146.96E 0 3.5,3.4 ¶15957500

IDC Error ellipse: s-maj=47.0km s-min=9.1km az=66.0.
ISC II 28 12 15 51.5–.73 5.42S–.07 147.7E–.10 150 4.0b 28 4-146
ISCJB II 28 12 15 50.0–.62 5.35S–.06 147.62E–.10 150 3.9b ¶12702098
IDC II 28 12 15 52.8–1.5 5.51S 147.60E 161–13 3.9,3.8
DJA II 28 12 16 14 6.96S 146.21E 89 5.0b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=8.3km az=1.7.
IDC Error ellipse: s-maj=16.9km s-min=9.8km az=108.0.
IDC III 02 15 55 24.6–5.3 5.65S 146.69E 83–46 3.9,3.7b ¶12702278

IDC Error ellipse: s-maj=40.0km s-min=29.6km az=151.0.
IDC III 03 08 03 37.0–3.0 5.83S 147.39E 199–40 4.2s,4.2 ¶12702332

IDC Error ellipse: s-maj=84.2km s-min=21.3km az=119.0.
ISC III 03 18 08 01.9–.48 6.16S–.05 147.58E–.07 77 4.2b 77 3-153
ISCJB III 03 18 08 00.4–.39 6.11S–.04 147.56E–.06 77 4.1b ¶15153026
IDC III 03 18 08 00.9–1.8 6.13S 147.68E 70–17 4.0,4.0
NEIC III 03 18 08 01.1–1.1 6.09S 147.58E 70–11 4.5b,4.0
AUST III 03 18 08 13.1–.46 6.71S 147.21E 138–0 4.5b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.4km az=4.6.
IDC Error ellipse: s-maj=22.5km s-min=8.9km az=109.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.2km az=127.0.
AUST Error ellipse: s-maj=1.4km s-min=0.8km az=41.0.
IDC III 04 12 50 46.0–2.7 6.54S 147.45E 0 3.7,3.5b ¶12702424

IDC Error ellipse: s-maj=61.2km s-min=26.3km az=89.0.
ISC III 05 19 58 48.5–.69 6.19S–.07 147.3E–.10 77 3.9b 35 3-145
AUST III 05 19 58 36.0 5.27S 147.58E 30 3.9b ¶15153059
IDC III 05 19 58 46.0–1.1 6.13S 147.50E 58–8 3.8,3.8
ISCJB III 05 19 58 46.9–.54 6.14S–.05 147.33E–.08 77 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC III 05 23 59 11.8–3.5 6.83S 147.59E 79–34 3.6,3.5b ¶12702527

IDC Error ellipse: s-maj=58.5km s-min=25.5km az=100.0.
ISC III 07 01 49 01.7–.50 5.93S–.05 146.58E–.08 120–4 4.3b 81 4-154
ISCJB III 07 01 48 57.7–1.5 5.81S–.07 146.57E–.08 97–15 4.3b ¶12702603
IDC III 07 01 49 01.8–.56 5.94S 146.59E 119–5 4.3,4.2
NEIC III 07 01 49 02.1–.32 5.85S 146.53E 125 4.5b,4.2
DJA III 07 01 49 03.1–1.8 6S–15 147E–11 110–10 4.9,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 09 20 33 42.5–1.9 5.53S 147.05E 156–24 3.6,3.4 ¶12702819

IDC Error ellipse: s-maj=47.5km s-min=13.3km az=105.0.
IDC III 10 23 53 50.5–6.8 5.83S 146.57E 33–53 3.6,3.5b ¶12702929

IDC Error ellipse: s-maj=46.2km s-min=30.2km az=126.0.
IDC III 11 15 49 57.6–3.5 5.94S 146.55E 53–33 3.9,3.7 ¶12702981

IDC Error ellipse: s-maj=29.8km s-min=20.5km az=80.0.
IDC III 11 22 18 45.0–2.0 6.58S 147.44E 0 4.3s,4.3 ¶12703019

IDC Error ellipse: s-maj=61.3km s-min=23.6km az=93.0.

IDC	**III**	**13 01 47 31.6–3.1**	**6.11S**	**147.24E**	**0**	**3.7,3.5b**			**¶12703129**
IDC	Error ellipse: s-maj=67.0km s-min=33.5km az=87.0.								
IDC	**III**	**13 12 45 24.8–7.2**	**6.57S**	**146.67E**	**96–71**	**3.1,3.0b**			**¶12703170**
IDC	Error ellipse: s-maj=74.4km s-min=34.8km az=137.0.								
IDC	**III**	**13 23 53 52.6–7.6**	**4.92S**	**146.20E**	**53–72**	**3.8,3.6L**			**¶12703206**
IDC	Error ellipse: s-maj=68.5km s-min=32.7km az=138.0.								
ISC	**III**	**15 12 51 32.2–.41**	**6.52S–.04**	**147.15E–.07**	**62–3**	**4.6b**	**148**	**3-153**	
BJI	III	15 12 51 27.7	6.97S	147.91E	87	5.1b,4.9s			**¶15153203**
AUST	III	15 12 51 30.3	6.25S	147.11E	60	5.1b,4.9s			
IDC	III	15 12 51 31.8–.50	6.54S	147.11E	59–4	4.4,4.4			
ISCJB	III	15 12 51 32.3–1.2	6.45S–.04	147.21E–.06	78–11	4.5b,4.4			
NEIC	III	15 12 51 35.0–1.1	6.46S	147.20E	89–10	4.5b,4.4			
DJA	III	15 12 51 35.9–1.8	7S–12	147E–16	60–14	5.0b,4.8b			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
ISC	**III**	**15 19 29 24.0–.85**	**5.40S–.07**	**147.2E–.10**	**170**	**3.6b**	**39**	**4-145**	
AUST	III	15 19 29 15.4	4.32S	146.56E	100	3.6b			**¶15153209**
ISCJB	III	15 19 29 23.0–.79	5.26S–.07	147.1E–.10	170	3.6b			
NEIC	III	15 19 29 25.1–1.9	5.40S	147.16E	182–21	4.9b			
IDC	III	15 19 29 27.5–1.8	5.53S	147.20E	206–20	4.0s,4.0			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=16.9km s-min=8.0km az=17.0.								
NEIC	Event type se. Error ellipse: s-maj=32.6km s-min=15.2km az=118.0.								
IDC	Error ellipse: s-maj=40.7km s-min=10.5km az=113.0.								
ISC	**III**	**17 00 41 31.1–1.1**	**5.73S–.10**	**146.5E–.20**	**52**	**3.9b**	**14**	**4-152**	
ISCJB	III	17 00 41 29.4–1.1	5.71S–.08	146.6E–.10	52	4.0s,3.9b			**¶12703471**
IDC	III	17 00 41 36.4–3.8	5.93S	146.59E	102–37	4.2,4.0s			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=19.1km s-min=10.6km az=168.5.								
IDC	Error ellipse: s-maj=32.7km s-min=26.2km az=122.0.								
IDC	**III**	**17 07 35 05.5–6.9**	**5.56S**	**145.71E**	**59–61**	**3.8,3.7L**			**¶12703502**
IDC	Error ellipse: s-maj=67.6km s-min=40.3km az=46.0.								
ISC	**III**	**19 04 19 03.1–.53**	**5.64S–.05**	**145.78E–.08**	**69**	**4.2b**	**69**	**4-151**	
AUST	III	19 04 18 51.5–3.7	5.28S	146.16E	0–0	4.2b			**¶15153288**
ISCJB	III	19 04 19 01.3–.41	5.63S–.04	145.78E–.07	69	4.0b			
IDC	III	19 04 19 06.3–2.3	5.73S	145.81E	102–22	4.0,3.9			
NEIC	III	19 04 19 07.6–1.3	5.77S	145.77E	118–12	4.1b,3.9			
ISC	Event type se.								
AUST	Error ellipse: s-maj=1.6km s-min=1.1km az=299.0.								
ISCJB	Event type se. Error ellipse: s-maj=10.5km s-min=5.5km az=0.8.								
IDC	Error ellipse: s-maj=22.3km s-min=14.1km az=88.0.								
NEIC	Event type se. Error ellipse: s-maj=12.1km s-min=9.1km az=100.0.								
IDC	**III**	**20 15 59 06.3–3.7**	**5.99S**	**147.62E**	**0**	**3.9,3.9**			**¶12703833**
IDC	Error ellipse: s-maj=147.3km s-min=29.8km az=95.0.								
IDC	**III**	**21 21 49 51.4–6.0**	**6.18S**	**146.86E**	**154–51**	**3.2,3.1b**			**¶12635226**
IDC	Error ellipse: s-maj=64.2km s-min=42.9km az=152.0.								
IDC	**III**	**22 01 02 32.2–.96**	**5.61S**	**146.57E**	**66–6**	**3.8,3.7**			**¶12635242**
IDC	Error ellipse: s-maj=36.8km s-min=11.1km az=80.0.								
IDC	**III**	**22 05 00 25.2–7.0**	**6.07S**	**146.90E**	**119–60**	**3.5,3.3b**			**¶12635259**
IDC	Error ellipse: s-maj=64.9km s-min=41.6km az=160.0.								
ISC	**III**	**23 10 40 28.1–.75**	**6.71S–.07**	**147.8E–.10**	**54**	**4.0b,3.1s**	**25**	**3-153**	
ISCJB	III	23 10 40 26.0–.66	6.68S–.06	147.8E–.10	54	4.0b,3.0s			**¶15153378**
IDC	III	23 10 40 30.3–1.7	6.79S	147.67E	75–17	3.9,3.8			
AUST	III	23 10 40 52.6	8.19S	147.19E	200	3.9,3.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=18.7km s-min=7.0km az=14.5.								
IDC	Error ellipse: s-maj=23.5km s-min=9.7km az=114.0.								
IDC	**III**	**24 14 47 38.5–2.3**	**5.30S**	**145.79E**	**0**	**3.4,3.2**			**¶12635477**
IDC	Error ellipse: s-maj=54.7km s-min=28.2km az=91.0.								
IDC	**III**	**25 12 08 35.5–1.4**	**5.39S**	**146.89E**	**222–17**	**3.5,3.4b**			**¶12635551**
IDC	Error ellipse: s-maj=30.8km s-min=9.4km az=109.0.								
IDC	**III**	**25 14 21 59.9–2.0**	**5.64S**	**145.66E**	**0**	**3.8,3.7L**			**¶12635565**
IDC	Error ellipse: s-maj=47.5km s-min=26.2km az=85.0.								
IDC	**III**	**26 23 59 06.2–3.5**	**6.75S**	**146.14E**	**143–39**	**3.3,3.2b**			**¶12635659**
IDC	Error ellipse: s-maj=45.2km s-min=36.3km az=109.0.								
IDC	**III**	**27 00 54 37.1–6.5**	**5.76S**	**146.89E**	**172–60**	**3.7,3.6b**			**¶12635666**
IDC	Error ellipse: s-maj=76.9km s-min=47.1km az=141.0.								
IDC	**III**	**27 16 51 07.7–7.5**	**5.73S**	**145.69E**	**75–60**	**4.2L,4.2s**			**¶12635708**
IDC	Error ellipse: s-maj=81.2km s-min=44.0km az=44.0.								
IDC	**III**	**28 15 15 31.1–4.0**	**5.50S**	**147.75E**	**165–44**	**3.4,3.3**			**¶12635779**
IDC	Error ellipse: s-maj=75.5km s-min=34.3km az=115.0.								
IDC	**III**	**29 06 24 24.7–8.5**	**5.14S**	**145.63E**	**0**	**4.6L,4.2**			**¶12635844**
IDC	Error ellipse: s-maj=127.0km s-min=45.8km az=24.0.								
IDC	**III**	**30 11 11 06.8–6.4**	**6.68S**	**147.56E**	**88–46**	**3.3b,3.3**			**¶12635939**
IDC	Error ellipse: s-maj=51.9km s-min=41.6km az=26.0.								
IDC	**III**	**30 14 32 34.5–7.0**	**5.74S**	**146.01E**	**57–59**	**4.2,4.1L**			**¶12635950**
IDC	Error ellipse: s-maj=67.2km s-min=40.0km az=49.0.								
ISC	**IV**	**01 21 48 40.6–.66**	**9.90S–.07**	**150.73E–.08**	**35**	**4.2b,3.8s**	**46**	**4-150**	
IDC	IV	01 21 48 34.9–.78	9.82S	150.92E	0	4.1,4.1			**¶12934208**
ISCJB	IV	01 21 48 38.5–.57	9.91S–.06	150.75E–.09	33	4.1b,3.8s			
NEIC	IV	01 21 48 40.2–.64	9.87S	150.82E	35	4.2b,3.8s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=26.1km s-min=15.0km az=101.0.								
ISCJB	Event type se. Error ellipse: s-maj=13.3km s-min=6.4km az=24.2.								
NEIC	Event type se. Error ellipse: s-maj=17.1km s-min=8.5km az=119.0.								
IDC	**IV**	**03 07 11 51.8–5.4**	**6.53S**	**146.21E**	**161–64**	**3.1,3.0**			**¶16152305**
IDC	Error ellipse: s-maj=71.4km s-min=28.6km az=144.0.								
IDC	**IV**	**06 07 38 55.6–4.6**	**5.28S**	**146.16E**	**193–54**	**3.2,3.1**			**¶16152443**
IDC	Error ellipse: s-maj=59.3km s-min=21.5km az=135.0.								
ISC	**IV**	**06 08 30 07.3–.36**	**5.56S–.04**	**145.74E–.05**	**68–2**	**4.8b**	**198**	**4-155**	
BJI	IV	06 08 30 03.5	5.75S	146.11E	61	5.0s,5.0b			**¶15153575**
ISCJB	IV	06 08 30 06.5–1.0	5.55S–.04	145.73E–.04	72–10	4.5b,5.0b			
DJA	IV	06 08 30 09.3–1.2	5S–9.0	146E–12	69–9	6.7,5.7b			
IDC	IV	06 08 30 09.0–.71	5.55S	145.67E	83–6	4.3,4.3			
NEIC	IV	06 08 30 10.4–1.2	5.53S	145.68E	95–11	4.6b,4.3			
AUST	IV	06 08 30 12.5	5.80S	145.59E	100	4.6b,4.3			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=7.4km s-min=7.2km az=17.9.								
IDC	Error ellipse: s-maj=16.4km s-min=9.5km az=79.0.								
NEIC	Event type fe. Error ellipse: s-maj=8.8km s-min=7.6km az=92.0. Felt at Goroka.								
IDC	**IV**	**06 11 07 38.2–4.2**	**5.64S**	**147.49E**	**214–46**	**3.4,3.1**			**¶16152455**
IDC	Error ellipse: s-maj=78.0km s-min=24.3km az=135.0.								
IDC	**IV**	**06 11 08 32.0–4.8**	**5.63S**	**146.02E**	**99–50**	**3.5,3.4b**			**¶16152458**
IDC	Error ellipse: s-maj=39.1km s-min=32.8km az=154.0.								
ISC	**IV**	**08 23 46 38.5–.34**	**5.41S–.05**	**147.11E–.06**	**195**	**4.3b**	**117**	**4-154**	
NEIC	IV	08 23 46 37.1–.21	5.44S	147.10E	174	4.4b			**¶13438206**
IDC	IV	08 23 46 37.3–.60	5.51S	147.07E	176–5	4.4,4.3			
ISCJB	IV	08 23 46 38.0–.27	5.48S–.04	147.09E–.05	195	4.3b,4.3			
AUST	IV	08 23 46 46.2–.51	6.16S	147.12E	200–0	4.3b,4.3			
ISC	Event type ke.								
NEIC	Event type se. Error ellipse: s-maj=7.8km s-min=5.0km az=96.0.								
IDC	Error ellipse: s-maj=11.5km s-min=7.6km az=100.0.								
ISCJB	Event type ke. Error ellipse: s-maj=7.5km s-min=4.8km az=17.1.								
AUST	Error ellipse: s-maj=1.3km s-min=1.0km az=9.0.								
ISC	**IV**	**09 20 51 59.2–.38**	**6.57S–.05**	**147.09E–.07**	**49**	**4.7b,3.8s**	**140**	**3-153**	
IDC	IV	09 20 51 52.2–.48	6.46S	147.00E	0	4.6,4.6			**¶15153634**
ISCJB	IV	09 20 51 57.6–.24	6.57S–.03	147.01E–.04	49	4.6b,3.7s			
NEIC	IV	09 20 51 58.3–1.0	6.52S	146.89E	41–9	4.7b,3.7s			
AUST	IV	09 20 52 01.2	6.74S	147.13E	60	4.7b,3.7s			
DJA	IV	09 20 52 13.9–1.1	7S–5.0	146E–8.0	122–9	6.4,5.2b			
ISC	Event type ke.								
ISCJB	Event type ke.								
NEIC	Event type se.								
ISC	**IV**	**10 20 00 22.4–.39**	**5.76S–.04**	**145.71E–.05**	**126–3**	**4.4b**	**190**	**4-155**	
BJI	IV	10 20 00 15.2	6.52S	146.09E	125	4.8b,4.6b			**¶15153642**
ISCJB	IV	10 20 00 19.3–.80	5.72S–.04	145.75E–.05	112–7	4.5b,4.6b			
AUST	IV	10 20 00 21.3	5.80S	145.59E	100	4.5b,4.6b			
IDC	IV	10 20 00 21.8–.53	5.79S	145.74E	121–4	4.4,4.4			
DJA	IV	10 20 00 21.0–1.2	6S–9.0	146E–15	109–11	5.1b,5.0			
NEIC	IV	10 20 00 21.8–.24	5.74S	145.69E	124	4.3b,5.0			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=7.9km s-min=5.9km az=155.9.								
IDC	Error ellipse: s-maj=13.6km s-min=7.3km az=86.0.								
NEIC	Event type se. Error ellipse: s-maj=8.7km s-min=5.8km az=95.0.								
IDC	**IV**	**10 21 44 31.3–7.7**	**5.53S**	**146.59E**	**145–45**	**3.1,3.1b**			**¶16152640**
IDC	Error ellipse: s-maj=79.3km s-min=49.1km az=42.0.								
IDC	**IV**	**16 13 55 31.1–5.4**	**5.53S**	**147.40E**	**180–51**	**3.6,3.4**			**¶16152844**
IDC	Error ellipse: s-maj=74.6km s-min=44.6km az=129.0.								
ISC	**IV**	**17 02 47 38.6–.83**	**5.37S–.06**	**146.45E–.10**	**123**	**4.1b**	**40**	**4-144**	
NEIC	IV	17 02 47 36.4–1.6	5.21S	146.33E	105–14	4.2b			**¶15153772**
AUST	IV	17 02 47 37.0	5.29S	146.58E	100	4.2b			
IDC	IV	17 02 47 37.5–2.3	5.39S	146.33E	115–22	4.0,3.8			
ISCJB	IV	17 02 47 38.5–.92	5.46S–.08	146.3E–.10	123	4.0b,3.8			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
IDC	**IV**	**17 15 21 38.5–1.3**	**6.03S**	**147.43E**	**0**	**3.9,3.7**			**¶16152927**
IDC	Error ellipse: s-maj=47.8km s-min=19.2km az=103.0.								
IDC	**IV**	**18 02 21 11.2–4.8**	**5.14S**	**145.84E**	**77–40**	**4.4,4.4s**			**¶16152965**
IDC	Error ellipse: s-maj=32.9km s-min=27.1km az=154.0.								
IDC	**IV**	**18 06 53 42.2–4.8**	**5.35S**	**147.81E**	**0**	**3.6,3.4**			**¶16152972**
IDC	Error ellipse: s-maj=131.9km s-min=33.6km az=104.0.								
ISC	**IV**	**21 16 32 17.9–.35**	**6.12S–.04**	**147.20E–.05**	**69–2**	**4.8b**	**228**	**3-154**	
MOS	IV	21 16 32 12.6–1.0	5.95S	147.02E	33	5.0b			**¶12638917**
NEIC	IV	21 16 32 14.7–.21	5.97S	147.09E	41	4.8b			
ISCJB	IV	21 16 32 14.7–.99	6.03S–.04	147.15E–.04	55–9	4.8b,4.1s			
BJI	IV	21 16 32 15.1	6.29S	147.31E	77	5.2b,5.0s			
IDC	IV	21 16 32 15.3–.54	6.04S	147.06E	44–5	4.6,4.6			
GCMT	IV	21 16 32 19.3–.30	6.09S	147.21E	44–0	5.0W,4.6			
DJA	IV	21 16 32 21.9–1.4	6S–9.0	147E–11	51–10	5.5b,5.5			
ISC	Event type fe.								
NEIC	Event type fe. Felt at Bulolo and Lae.								
ISCJB	Event type fe.								
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s43,c55; s48,c68; Moment tensor: Scale 10^{16}Nm; M_{rr}3.54±.16 $M_{\theta\theta}$-3.52±.10; $M_{\phi\phi}$-0.02±.12; $M_{r\theta}$0.17±.09; $M_{\theta\phi}$1.28±.08; $M_{\phi r}$-0.64±.11; Best double couple: NP1:ϕ_s278.00000°,δ43.00000°,λ76.00000°. NP2:ϕ_s118.00000°,δ49.00000°,λ103.00000°. Principal axes: T 3.6500,Plg80.0000° ,Azm93.0000°; N 0.3100,Plg10.0000°,Azm289.0000°; P -3.9600,Plg3.0000°,Azm198.0000° $M_0$3.80000×10^{16}								
IDC	**IV**	**22 09 02 51.9–7.0**	**6.50S**	**146.89E**	**105–71**	**3.2,3.1b**			**¶16153261**
IDC	Error ellipse: s-maj=74.2km s-min=30.5km az=142.0.								
IDC	**IV**	**22 23 39 39.2–5.2**	**5.88S**	**147.55E**	**200–55**	**3.3,3.2b**			**¶16153281**
IDC	Error ellipse: s-maj=101.3km s-min=46.5km az=126.0.								
IDC	**IV**	**24 06 31 17.3–3.4**	**5.42S**	**147.11E**	**189–35**	**3.6,3.5**			**¶16153327**
IDC	Error ellipse: s-maj=41.7km s-min=22.3km az=117.0.								
ISC	**IV**	**25 21 40 03.4–.58**	**6.52S–.06**	**147.61E–.09**	**63**	**4.1b**	**50**	**3-153**	
ISCJB	IV	25 21 40 01.7–.50	6.51S–.05	147.65E–.07	63	4.2b			**¶15153954**
IDC	IV	25 21 40 03.2–2.4	6.54S	147.66E	64–18	4.1,4.0			
DJA	IV	25 21 40 04.5–2.4	7S–14	148E–21	103–13	5.9,5.8b			
AUST	IV	25 21 40 07.4	6.73S	147.63E	100	5.9,5.8b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=9.6km s-min=6.2km az=165.6.								
IDC	Error ellipse: s-maj=33.6km s-min=14.3km az=86.0.								
ISC	**IV**	**26 18 11 04.3–.28**	**5.58S–.03**	**147.51E–.04**	**195–2**	**4.9b**	**396**	**4-154**	
BJI	IV	26 18 10 57.6	5.89S	148.08E	188	5.0b,5.0b			**¶15153967**
MOS	IV	26 18 11 03.5–.81	5.50S	147.50E	199	5.0b,5.0b			
ISCJB	IV	26 18 11 03.5–.68	5.50S–.03	147.49E–.03	198–6	4.8b,5.0b			
NEIC	IV	26 18 11 05.8–.79	5.56S	147.52E	211–7	4.9b,5.0b			
AUST	IV	26 18 11 05.7–.22	5.58S	147.44E	203–0	4.9b,5.0b			
DJA	IV	26 18 11 05.6–.60	6S–5.0	147E–5.0	186–11	5.7,5.3b			
IDC	IV	26 18 11 07.2–1.8	5.57S	147.47E	218–17	4.8,4.8			
GCMT	IV	26 18 11 07.5–.20	5.61S	147.47E	192–1	5.3W,4.8			
ISC	Event type fe.								
MOS	Error ellipse: s-maj=9.4km s-min=6.1km az=102.4.								
ISCJB	Event type fe. Error ellipse: s-maj=5.2km s-min=4.5km az=0.9.								
NEIC	Event type fe. Error ellipse: s-maj=6.0km s-min=4.8km az=67.0. Felt at Bulolo.								
AUST	Error ellipse: s-maj=0.7km s-min=0.6km az=228.0.								
IDC	Error ellipse: s-maj=8.9km s-min=6.1km az=97.0.								
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c74; s95,c159; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s231.00000°,δ34.00000°,λ25.00000°. NP2:ϕ_s120.00000° ,δ76.00000°,λ122.00000°. Principal axes: T 1.0800,Plg49.0000°,Azm64.0000° ; N -0.0500,Plg31.0000°,Azm291.0000°; P -1.0300,Plg25.0000°,Azm185.0000° $M_0$1.10000×10^{17}								
IDC	**IV**	**27 17 21 20.8–8.4**	**5.90S**	**146.66E**	**99–52**	**3.4,3.3**			**¶16154569**
IDC	Error ellipse: s-maj=86.0km s-min=56.1km az=54.0.								
IDC	**IV**	**28 05 02 56.0–7.4**	**6.27S**	**146.51E**	**110–74**	**3.5,3.3b**			**¶16154581**
IDC	Error ellipse: s-maj=73.3km s-min=28.1km az=144.0.								
IDC	**IV**	**29 01 13 03.0–6.5**	**6.24S**	**146.46E**	**105–50**	**3.6,3.5**			**¶16154603**
IDC	Error ellipse: s-maj=56.2km s-min=47.7km az=34.0.								
ISC	**V**	**03 08 26 42.9–.67**	**5.90S–.06**	**146.4E–.20**	**52**	**4.2b**	**38**	**4-154**	
ISCJB	V	03 08 26 41.5–.63	5.91S–.05	146.4E–.10	52	4.2b,3.0s			**¶13678268**
IDC	V	03 08 26 48.2–2.2	6.06S	146.44E	102–21	4.3,4.1			
NEIC	V	03 08 26 49.9–.38	6.05S	146.41E	121	4.6b,4.1			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=18.2km s-min=6.6km az=176.4.								
IDC	Error ellipse: s-maj=25.2km s-min=15.0km az=88.0.								
NEIC	Event type se. Error ellipse: s-maj=13.3km s-min=7.0km az=94.0.								
IDC	**V**	**05 02 23 17.3–9.9**	**5.49S**	**147.41E**	**0**	**3.8,3.5**			**¶16154917**
IDC	Error ellipse: s-maj=319.1km s-min=33.2km az=103.0.								
IDC	**V**	**10 06 00 12.8–6.4**	**6.56S**	**146.77E**	**99–65**	**3.5,3.3b**			**¶16155569**
IDC	Error ellipse: s-maj=65.7km s-min=27.4km az=144.0.								
ISC	**V**	**10 13 12 16.7–.68**	**5.45S–.07**	**147.07E–.09**	**195**	**3.6b**	**34**	**4-145**	
IDC	V	10 13 12 14.9–1.5	5.56S	147.11E	172–15	4.2s,4.2			**¶15154250**
ISCJB	V	10 13 12 15.6–.58	5.44S–.06	147.12E–.06	195	3.7b,4.2			
AUST	V	10 13 12 19.8–1.2	5.74S	146.97E	194–0	3.7b,4.2			

ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=9.9km az=112.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.7km az=157.7.
AUST Error ellipse: s-maj=2.1km s-min=1.2km az=7.0.

ISC	**V**	**10 19 12 56.0–1.4**	**6.82S–.09**	**147.6E–.20**	**65**	**3.9b**	**18**	**3-146**
AUST	V	10 19 12 40.0	5.75S	148.10E	30	3.9b		¶15154245
ISCJB	V	10 19 12 54.4–1.3	6.87S–.08	147.6E–.20	65	3.8b		
IDC	V	10 19 12 55.8–2.5	6.79S	147.59E	61–28	3.9,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.0km s-min=11.0km az=0.4.
IDC Error ellipse: s-maj=50.7km s-min=16.1km az=105.0.

ISC	**V**	**13 13 44 01.6–.54**	**5.78S–.06**	**146.50E–.09**	**52**	**4.5b,3.8s**	**47**	**4-152**
ISCJB	V	13 13 43 59.9–.43	5.77S–.04	146.47E–.07	52	4.4b,3.8s		¶15154303
IDC	V	13 13 44 02.6–2.3	5.84S	146.46E	61–21	4.4,4.3		
DJA	V	13 13 44 03.7–1.2	6S–8.0	147E–9.0	79–10	5.2b,4.7		
AUST	V	13 13 44 08.9	6.26S	146.61E	100	5.2b,4.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.5km az=169.7.
IDC Error ellipse: s-maj=21.2km s-min=11.2km az=80.0.

IDC	**V**	**13 21 02 20.2–2.1**	**6.62S**	**147.73E**	**0**	**4.0,3.9**		
								¶16155722

IDC Error ellipse: s-maj=67.2km s-min=20.9km az=96.0.

ISC	**V**	**13 22 35 31.0–.57**	**6.26S–.05**	**147.37E–.09**	**63**	**3.9b**	**64**	**3-153**
ISCJB	V	13 22 35 29.2–.50	6.27S–.04	147.35E–.09	63	4.0b		¶15154292
NEIC	V	13 22 35 30.6–1.8	6.28S	147.44E	66–16	4.1b		
IDC	V	13 22 35 31.9–1.8	6.30S	147.38E	74–17	4.1,4.0		
AUST	V	13 22 35 37.4–1.5	6.67S	147.14E	93–0	4.1,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=5.8km az=0.6.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=11.0km az=82.0.
IDC Error ellipse: s-maj=21.0km s-min=9.5km az=109.0.
AUST Error ellipse: s-maj=2.8km s-min=0.8km az=237.0.

ISC	**V**	**17 08 46 56.8–.00**	**6.23S–.09**	**147.6E–.20**	**77**	**4.0b**	**29**	**3-146**
AUST	V	17 08 46 30.9	4.29S	148.56E	15	4.0b		¶16155836
IDC	V	17 08 46 54.3–2.2	6.22S	147.70E	59–17	4.1,3.9		
ISCJB	V	17 08 46 55.1–.84	6.18S–.08	147.64E–.09	77	4.0b,3.9		

ISC Event type ke.
ISCJB Event type ke.

IDC	**V**	**17 10 04 44.5–7.2**	**6.55S**	**146.80E**	**118–72**	**3.1,3.1b**		
								¶16155837

IDC Error ellipse: s-maj=83.7km s-min=51.4km az=132.0.

IDC	**V**	**19 08 56 25.1–5.4**	**6.08S**	**147.89E**	**0**	**3.6,3.5**		
								¶16155900

IDC Error ellipse: s-maj=83.3km s-min=48.4km az=66.0.

IDC	**V**	**20 09 27 20.6–2.0**	**5.54S**	**147.11E**	**174–18**	**3.9,3.8**		
								¶16155942

IDC Error ellipse: s-maj=31.3km s-min=13.0km az=121.0.

ISC	**V**	**21 14 07 12.0–.74**	**7.22S–.07**	**147.6E–.10**	**65**	**4.0b**	**33**	**2-146**
ISCJB	V	21 14 07 10.3–.58	7.14S–.05	147.7E–.10	65	3.9b		¶15154453
IDC	V	21 14 07 12.0–2.2	7.24S	147.84E	70–22	3.9,3.8		
AUST	V	21 14 07 32.6–2.9	8.29S	146.93E	176–0	3.9,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=6.4km az=7.2.
IDC Error ellipse: s-maj=23.9km s-min=13.7km az=115.0.
AUST Error ellipse: s-maj=2.7km s-min=1.4km az=227.0.

IDC	**V**	**23 21 12 59.4–2.6**	**8.72S**	**150.76E**	**0**	**3.3,3.2**		
								¶16156062

IDC Error ellipse: s-maj=74.6km s-min=40.1km az=151.0.

IDC	**V**	**27 00 56 34.9–8.1**	**5.65S**	**147.09E**	**173–87**	**3.1,2.9**		
								¶16156203

IDC Error ellipse: s-maj=126.9km s-min=30.7km az=134.0.

IDC	**V**	**28 04 53 06.1–1.6**	**9.53S**	**150.58E**	**0**	**3.8,3.6**		
								¶16156251

IDC Error ellipse: s-maj=71.5km s-min=27.2km az=129.0.

IDC	**V**	**31 20 06 59.2–6.5**	**5.57S**	**145.92E**	**58–61**	**4.6L,4.0**		
								¶16066130

IDC Error ellipse: s-maj=58.7km s-min=39.9km az=52.0.

IDC	**V**	**31 20 46 21.2–5.8**	**7.98S**	**148.51E**	**0**	**3.3L,3.2**		
								¶16066131

IDC Error ellipse: s-maj=279.2km s-min=41.2km az=121.0.

IDC	**VI**	**01 02 52 30.6–6.5**	**6.41S**	**147.96E**	**92–47**	**3.6,3.5**		
								¶16066140

IDC Error ellipse: s-maj=57.3km s-min=49.1km az=84.0.

IDC	**VI**	**01 19 30 19.1–2.1**	**6.24S**	**147.17E**	**0**	**3.6,3.5**		
								¶16066179

IDC Error ellipse: s-maj=58.2km s-min=16.4km az=87.0.

ISC	**VI**	**04 01 03 43.9–.30**	**6.02S–.03**	**146.59E–.04**	**53–2**	**5.2b,4.8s**	**419**	**3-154**
BJI	VI	04 01 03 36.3	6.28S	147.21E	43	5.3b,5.1b		¶12895857
MOS	VI	04 01 03 40.4–.91	5.95S	146.44E	36	5.4b,4.6s		
IDC	VI	04 01 03 40.4–1.9	5.96S	146.58E	24–11	4.9,4.9		
ISCJB	VI	04 01 03 42.0–.77	6.03S–.03	146.62E–.03	52–7	5.2b,4.8s		
NEIC	VI	04 01 03 44.2–.85	6.03S	146.52E	58–8	5.3b,4.8s		
GCMT	VI	04 01 03 46.4–.10	6.21S	146.54E	41–0	5.4W,4.8s		
DJA	VI	04 01 03 47.2–.50	6S–3.0	147E–4.0	71–5	6.2,5.9		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Goroka and Lae.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s86,c149; s91,c162;
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00
Best double couple: NP1:ϕ_s252.00000°,δ30.00000°,λ40.00000°. NP2:ϕ_s127.00000°
,δ71.00000°,λ114.00000°. Principal axes: T 1.3200,Plg57.0000°,Azm68.0000°
; N 0.0800,Plg23.0000°,Azm299.0000°; P -1.4000,Plg23.0000°,Azm199.0000°
$M_0$1.40000×10^{17}

ISC	**VI**	**04 01 16 56.2–.36**	**6.11S–.05**	**146.66E–.07**	**52**	**4.6b,4.2s**	**111**	**3-154**
BJI	VI	04 01 16 45.8	6.99S	147.51E	41	5.0b,4.9s		¶13077425
IDC	VI	04 01 16 52.0–2.8	6.04S	146.66E	20–17	4.4,4.3		
ISCJB	VI	04 01 16 54.5–.29	6.15S–.04	146.63E–.06	52	4.5b,4.2s		
NEIC	VI	04 01 16 56.5–1.0	6.14S	146.62E	59–10	4.6b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=10.3km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.5km az=179.4.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.8km az=135.0.

IDC	**VI**	**04 03 31 34.2–3.5**	**5.69S**	**146.00E**	**91–31**	**3.5,3.3**		
								¶16100924

IDC Error ellipse: s-maj=31.0km s-min=24.0km az=116.0.

IDC	**VI**	**04 14 27 43.6–6.8**	**7.05S**	**148.11E**	**88–56**	**3.4,3.3b**		
								¶16100949

IDC Error ellipse: s-maj=99.6km s-min=61.0km az=135.0.

IDC	**VI**	**06 23 35 28.5–2.1**	**5.89S**	**146.93E**	**0**	**3.7,3.5**		
								¶16101035

IDC Error ellipse: s-maj=51.0km s-min=20.3km az=81.0.

IDC	**VI**	**07 02 41 13.6–3.1**	**6.44S**	**147.74E**	**0**	**3.4,3.4b**		
								¶16101044

IDC Error ellipse: s-maj=74.7km s-min=32.8km az=96.0.

ISC	**VI**	**07 12 15 47.3–.79**	**5.47S–.07**	**147.1E–.10**	**195**	**3.5b**	**24**	**4-145**
AUST	VI	07 12 15 43.2	5.27S	147.58E	200	3.5b		¶15155852
ISCJB	VI	07 12 15 46.4–.62	5.36S–.06	147.0E–.10	195	3.6b		
IDC	VI	07 12 15 48.0–1.4	5.54S	147.06E	200–15	3.6,3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=8.1km az=14.8.
IDC Error ellipse: s-maj=25.6km s-min=10.0km az=113.0.

IDC	**VI**	**08 14 35 09.4–7.4**	**6.52S**	**146.78E**	**100–73**	**3.1,2.9**		
								¶16101107

IDC Error ellipse: s-maj=78.1km s-min=53.1km az=127.0.

ISC	**VI**	**11 08 14 08.9–.59**	**5.65S–.07**	**147.61E–.10**	**77**	**4.1b**	**54**	**4-154**
ISCJB	VI	11 08 14 06.7–.47	5.57S–.05	147.71E–.07	77	4.1b		¶15156030
AUST	VI	11 08 14 11.8	5.76S	147.60E	100	4.1b		
IDC	VI	11 08 14 12.0–1.6	5.77S	147.65E	115–14	4.2,4.0		
NEIC	VI	11 08 14 12.3–1.3	5.69S	147.69E	117–11	4.7b,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.6km az=15.4.
IDC Error ellipse: s-maj=17.9km s-min=9.5km az=113.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.9km az=70.0.

ISC	**VI**	**12 09 56 54.2–.88**	**5.87S–.09**	**146.3E–.10**	**52**	**4.1b**	**27**	**4-154**
ISCJB	VI	12 09 56 52.8–.95	5.91S–.07	146.2E–.10	52	4.7s,4.2b		¶13681212
IDC	VI	12 09 57 01.2–3.0	6.22S	146.25E	106–25	4.9,4.7s		
NEIC	VI	12 09 57 02.7–1.9	6.22S	146.19E	120–15	4.2b,4.7s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=10.3km az=178.1.
IDC Error ellipse: s-maj=24.5km s-min=21.9km az=49.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=16.1km az=155.0.

IDC	**VI**	**12 19 04 17.7–4.9**	**6.10S**	**146.03E**	**112–63**	**3.4,3.2**		
								¶16101251

IDC Error ellipse: s-maj=61.9km s-min=38.9km az=100.0.

IDC	**VI**	**12 23 12 54.4–12**	**7.02S**	**148.88E**	**0**	**3.6,3.6b**		
								¶16101261

IDC Error ellipse: s-maj=189.3km s-min=85.0km az=18.0.

ISC	**VI**	**14 02 50 41.7–.49**	**6.05S–.06**	**147.45E–.09**	**77**	**4.3b**	**71**	**3-154**
AUST	VI	14 02 50 39.9	6.24S	147.62E	35	4.3b		¶15156100
ISCJB	VI	14 02 50 40.5–.40	6.07S–.04	147.33E–.07	77	4.2b		
IDC	VI	14 02 50 41.0–2.2	6.04S	147.46E	69–20	4.2,4.1		
NEIC	VI	14 02 50 41.1–1.2	6.07S	147.42E	72–11	4.4b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.3km az=11.1.
IDC Error ellipse: s-maj=21.2km s-min=11.3km az=105.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.9km az=80.0.

ISC	**VI**	**15 03 25 41.5–1.5**	**6.3S–.10**	**147.8E–.20**	**77**	**4.0b**	**16**	**3-146**
AUST	VI	15 03 25 21.6	5.25S	148.59E	0	4.0b		¶15156132
ISCJB	VI	15 03 25 40.3–1.3	6.29S–.09	147.8E–.20	77	3.7b		
IDC	VI	15 03 25 41.3–2.9	6.30S	147.76E	73–27	3.9,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=12.1km az=168.3.
IDC Error ellipse: s-maj=51.7km s-min=18.9km az=108.0.

IDC	**VI**	**17 06 07 04.1–3.1**	**5.82S**	**146.27E**	**110–34**	**3.7,3.6**		
								¶16101426

IDC Error ellipse: s-maj=42.3km s-min=21.5km az=102.0.

IDC	**VI**	**18 18 42 59.5–4.3**	**5.83S**	**147.59E**	**224–39**	**3.6b,3.5**		
								¶16101480

IDC Error ellipse: s-maj=72.0km s-min=39.5km az=128.0.

ISC	**VI**	**19 12 44 59.9–1.7**	**5.7S–.10**	**145.8E–.20**	**86**	**4.0b**	**17**	**4-93**
NEIC	VI	19 12 44 55.0–1.5	5.41S	145.60E	35	4.0b		¶13681657
IDC	VI	19 12 44 55.9–5.7	5.54S	145.80E	49–59	4.7L,4.1		
ISCJB	VI	19 12 44 58.6–1.7	5.7S–.10	145.8E–.20	86	4.1b,4.1		

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

IDC	**VI**	**19 22 46 24.6–1.7**	**4.98S**	**146.37E**	**0**	**4.3,4.0**		
								¶16101516

IDC Error ellipse: s-maj=53.2km s-min=22.1km az=113.0.

IDC	**VI**	**25 06 10 49.1–1.3**	**6.21S**	**146.91E**	**0**	**3.9,3.8**		
								¶16101709

IDC Error ellipse: s-maj=45.1km s-min=23.0km az=104.0.

IDC	**VI**	**26 03 27 52.5–2.8**	**6.29S**	**147.92E**	**0**	**3.9,3.9b**		
								¶16101734

IDC Error ellipse: s-maj=61.6km s-min=33.4km az=94.0.

IDC	**VI**	**26 03 34 16.3–6.9**	**5.53S**	**145.42E**	**54–61**	**3.6,3.5**		
								¶16101735

IDC Error ellipse: s-maj=66.4km s-min=38.2km az=38.0.

ISC	**VI**	**27 12 27 37.1–1.3**	**6.3S–.10**	**146.9E–.10**	**78**	**3.6b**	**13**	**3-145**
ISCJB	VI	27 12 27 36.4–1.2	6.33S–.08	147.0E–.10	78	3.3b		¶16101782
IDC	VI	27 12 27 38.4–4.7	6.41S	147.04E	88–51	3.4,3.2		
AUST	VI	27 12 28 25.9–2.8	9.20S	144.33E	61–0	3.4,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=10.6km az=167.4.
IDC Error ellipse: s-maj=47.8km s-min=18.3km az=140.0.
AUST Error ellipse: s-maj=1.4km s-min=1.0km az=304.0.

IDC	**VI**	**28 06 58 40.9–2.1**	**7.58S**	**146.10E**	**0**	**3.6b,3.3**		
								¶16101815

IDC Error ellipse: s-maj=52.2km s-min=30.9km az=70.0.

IDC	**VI**	**29 06 23 04.8–5.8**	**7.10S**	**147.31E**	**127–55**	**2.9,2.9b**		
								¶16101850

IDC Error ellipse: s-maj=84.9km s-min=50.4km az=130.0.

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IDC	**I**	**08 07 46 02.8–1.0**	**10.71N**	**140.52E**	**0**	**3.8,3.5b**		
								¶12080715

IDC Error ellipse: s-maj=55.5km s-min=22.5km az=98.0.

ISC	**I**	**11 08 43 59.3–.44**	**10.80N–.06**	**140.63E–.06**	**67–2**	**4.7b**	**161**	**5-92**
MOS	I	11 08 43 53.7–.98	10.87N	140.40E	30	4.9b		¶11594514
ISCJB	I	11 08 43 55.9–1.3	10.81N–.05	140.59E–.06	50–12	4.6b,3.9s		
BJI	I	11 08 43 56.8	10.71N	140.36E	68	5.2b,4.9b		
IDC	I	11 08 43 57.7–.66	10.78N	140.54E	49–5	4.5,4.3		
NEIC	I	11 08 43 57.8–.31	10.83N	140.52E	48	4.7b,4.3		

ISC Event type se.
MOS Error ellipse: s-maj=15.8km s-min=7.8km az=94.9.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.4km az=17.5.
IDC Error ellipse: s-maj=19.5km s-min=12.2km az=86.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.8km az=96.0.

IDC	**I**	**15 22 07 39.4–1.0**	**11.59N**	**139.07E**	**0**	**3.8,3.5b**		
								¶12081381

IDC Error ellipse: s-maj=37.2km s-min=23.1km az=96.0.

IDC	**I**	**18 14 02 45.0–1.2**	**8.20N**	**141.81E**	**0**	**3.8,3.7b**		
								¶12081652

IDC Error ellipse: s-maj=41.2km s-min=20.8km az=92.0.

IDC	**I**	**22 23 08 23.0–1.2**	**11.08N**	**138.87E**	**0**	**3.8,3.7**		
								¶12082084

IDC Error ellipse: s-maj=45.4km s-min=19.8km az=79.0.

ISC	**II**	**04 15 16 32.9–.69**	**11.8N–.10**	**140.2E–.10**	**30**	**3.9b**	**16**	**5-91**
ISCJB	II	04 15 16 30.4–.61	11.93N–.09	140.19E–.09	30	3.9b,2.6s		¶15955016
IDC	II	04 15 16 39.9–.77	11.84N	140.61E	98–7	3.7,3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=9.1km az=137.7.
IDC Error ellipse: s-maj=15.3km s-min=12.3km az=141.0.

IDC	**II**	**05 22 25 06.0–1.0**	**8.62N**	**137.35E**	**0**	**4.0,3.8**		
								¶15955086

IDC Error ellipse: s-maj=37.7km s-min=21.0km az=84.0.

IDC	**II**	**12 13 52 44.1–4.7**	**6.03N**	**131.82E**	**0**	**4.9s,4.9**		
								¶15955713

IDC Error ellipse: s-maj=317.5km s-min=26.3km az=70.0.

ISC	**II**	**23 09 45 08.9–.72**	**11.5N–.10**	**141.63E–.09**	**27**	**4.2b,3.6s**	**41**	**4-151**
IDC	II	23 09 45 04.6–.75	11.50N	141.76E	0	4.3,4.2		¶12701625
ISCJB	II	23 09 45 06.7–.55	11.45N–.08	141.62E–.07	27	4.2b,3.6s		
NEIC	II	23 09 45 10.9–1.8	11.48N	141.69E	46–18	4.3b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=16.3km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=8.5km az=138.9.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.9km az=93.0.

IDC	**III**	**07 23 26 50.6–1.5**	**11.06N**	**140.27E**	**0**	**4.0L,3.8**		
								¶12702672

IDC Error ellipse: s-maj=82.7km s-min=23.8km az=114.0.

IDC	**III**	**12 13 43 47.8–3.0**	**11.89N**	**141.77E**	**0**	**4.0,3.9b**		
								¶12703079

IDC Error ellipse: s-maj=147.4km s-min=18.1km az=79.0.

IDC	**IV**	**25 08 01 25.6–1.3**	**10.50N**	**138.96E**	**0**	**3.6,3.4**		
								¶16153369

IDC Error ellipse: s-maj=54.8km s-min=31.3km az=96.0.

IDC	**IV**	**29 18 28 42.3–4.0**	**11.03N**	**140.74E**	**72–40**	**3.6L,3.5**		
								¶16154640

IDC Error ellipse: s-maj=32.7km s-min=19.7km az=104.0.

ISC	**IV**	**30 01 58 43.0–.40**	**11.03N–.05**	**140.55E–.05**	**47–2**	**4.7b,4.1s**	**198**	**5-158**
IDC	IV	30 01 58 36.0–.50	11.13N	140.66E	0	4.5,4.4		¶12746037
NEIC	IV	30 01 58 37.7–.21	11.06N	140.56E	10	4.9b,4.4		
MOS	IV	30 01 58 39.4–1.1	11.04N	140.41E	33	4.9b,4.4		
ISCJB	IV	30 01 58 39.7–1.1	11.02N–.05	140.56E–.05	34–10	4.6b,4.1s		
BJI	IV	30 01 58 41.6	11.00N	140.50E	45	5.0b,4.7b		
DJA	IV	30 01 58 48.7–.90	11N–8.0	141E–10	98–15	5.4b,5.2		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							
IDC	**V**	**02 13 50 34.5–1.5**	**11.08N**	**140.68E**	**0**	**3.6,3.4**		
								¶16154838
IDC	Error ellipse: s-maj=72.8km s-min=27.9km az=92.0.							
ISC	**V**	**02 14 02 24.4–.34**	**11.21N–.03**	**140.78E–.04**	**33–2**	**5.2b,4.8s**	**479**	**5-170**
NEIC	V	02 14 02 18.6–.18	11.28N	140.46E	10	5.3b,5.2W		¶12747569
IDC	V	02 14 02 19.7–.42	11.09N	140.46E	0	5.0,5.0		
MOS	V	02 14 02 21.8–.98	11.15N	140.88E	33	5.5b,5.0s		
ISCJB	V	02 14 02 22.4–.86	11.18N–.03	140.91E–.03	36–7	5.2b,4.9s		
BJI	V	02 14 02 23.7	11.10N	140.40E	37	5.3b,5.1s		
TEH	V	02 14 02 23.0	11.06N	140.40E	37	5.3L,5.1s		
GCMT	V	02 14 02 26.7–.10	11.00N	140.38E	12	5.3W,5.1s		
DJA	V	02 14 02 32.2–.60	11N–7.0	141E–7.0	127–11	5.8,5.6b		
ISC	Event type se.							
NEIC	Event type se. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}1.02 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-0.29 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.16 $M_{\phi r}$-0.14 Best double couple: NP1:ϕ_s245.00000° ,δ43.00000°,λ78.00000°. NP2:ϕ_s81.00000°,δ49.00000°,λ101.00000°. Principal axes: T 1.0500,Plg81.0000°,Azm52.0000°; N -0.2600,Plg7.0000°,Azm253.0000° ; P -0.7800,Plg3.0000°,Azm163.0000° $M_0$0.94000×10^{17}							
ISCJB	Event type se.							
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves: sta= 90, comp=171, per= 50. Moment Tensor Solution. s76,c127; s23,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s100.00000° ,δ42.00000°,λ117.00000°. NP2:ϕ_s245.00000°,δ54.00000°,λ67.00000°. Principal axes: T 1.0600,Plg71.0000°,Azm99.0000°; N -0.0800,Plg18.0000°,Azm259.0000° ; P -0.9800,Plg6.0000°,Azm351.0000° $M_0$1.00000×10^{17}							
ISC	**V**	**03 00 10 36.5–.32**	**11.08N–.03**	**140.54E–.04**	**32–1**	**5.0b,4.6s**	**343**	**5-157**
BJI	V	03 00 10 31.4	10.83N	140.87E	27	5.3b,4.9s		¶12750391
ISCJB	V	03 00 10 34.0–1.1	11.09N–.04	140.51E–.03	25–7	4.9b,4.7s		
IDC	V	03 00 10 35.3–5.0	11.07N	140.52E	23–32	4.7L,4.6		
NEIC	V	03 00 10 36.0–2.3	11.10N	140.51E	28–16	5.0b,4.6		
MOS	V	03 00 10 35.9–1.0	11.29N	140.45E	33	5.1b,4.9s		
GCMT	V	03 00 10 37.9–.10	10.96N	140.38E	12	5.2W,4.9s		
DJA	V	03 00 10 41.5–1.6	12N–16	140E–18	66–26	5.9,5.5b		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
GCMT	Event type se. Data Used: II IU IC G. Moment Tensor Solution. s58,c94; s72,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}6.40±.15 $M_{\theta\theta}$-6.87±.12; $M_{\phi\phi}$0.47±.15; $M_{r\theta}$1.85±.35; $M_{\theta\phi}$-2.70±.12; $M_{\phi r}$-2.28±.43; Best double couple: NP1:ϕ_s230.00000°,δ45.00000°,λ56.00000°. NP2:ϕ_s94.00000°,δ54.00000°,λ119.00000°. Principal axes: T 7.6600,Plg66.0000° ,Azm63.0000°; N 0.1700,Plg23.0000°,Azm255.0000°; P -7.8400,Plg4.0000°,Azm163.0000° $M_0$7.80000×10^{16}							
ISC	**V**	**03 10 25 00.9–.46**	**11.01N–.07**	**140.44E–.06**	**33**	**4.4b,3.9s**	**95**	**5-152**
IDC	V	03 10 24 55.3–.62	11.14N	140.57E	0	4.3,4.2		¶12750471
NEIC	V	03 10 24 57.4–.24	11.11N	140.55E	10	4.6b,4.2		
ISCJB	V	03 10 24 59.3–.32	11.02N–.05	140.45E–.05	33	4.4b,3.9s		
BJI	V	03 10 25 01.5	11.01N	140.63E	61	5.0b,4.6b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=26.8km s-min=14.1km az=84.0.							
NEIC	Event type se. Error ellipse: s-maj=8.9km s-min=6.2km az=82.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.0km s-min=6.5km az=169.8.							
IDC	**V**	**09 05 55 17.0–.89**	**11.15N**	**140.94E**	**0**	**4.1,3.8**		
								¶16155537
IDC	Error ellipse: s-maj=35.2km s-min=20.2km az=92.0.							
IDC	**V**	**09 16 29 38.8–.89**	**11.17N**	**140.82E**	**0**	**3.7,3.6**		
								¶16155552
IDC	Error ellipse: s-maj=32.6km s-min=20.9km az=84.0.							
IDC	**V**	**12 08 20 04.9–1.0**	**11.26N**	**140.64E**	**0**	**3.8,3.6**		
								¶16155667
IDC	Error ellipse: s-maj=40.0km s-min=22.1km az=107.0.							
IDC	**V**	**12 11 12 23.3–.90**	**11.08N**	**140.73E**	**0**	**3.9,3.7**		
								¶16155672
IDC	Error ellipse: s-maj=31.0km s-min=20.2km az=110.0.							
IDC	**V**	**12 11 17 21.3–.97**	**11.16N**	**140.65E**	**0**	**3.7,3.5**		
								¶16155673
IDC	Error ellipse: s-maj=34.2km s-min=22.0km az=101.0.							
ISC	**V**	**15 01 57 04.3–.75**	**11.1N–.10**	**138.8E–.20**	**31**	**4.4b,3.1s**	**40**	**6-131**
IDC	V	15 01 56 59.6–.80	11.11N	138.81E	0	4.3,4.1		¶13678965
ISCJB	V	15 01 57 02.6–.58	11.08N–.09	138.7E–.10	31	4.2b,3.2s		
NEIC	V	15 01 57 05.2–2.9	11.09N	138.79E	36–26	4.4b,3.2s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=29.2km s-min=17.5km az=87.0.							
ISCJB	Event type se. Error ellipse: s-maj=16.5km s-min=12.8km az=169.7.							
NEIC	Event type se. Error ellipse: s-maj=12.5km s-min=8.7km az=82.0.							
ISC	**V**	**30 14 42 11.3–.38**	**11.09N–.04**	**141.37E–.05**	**31–1**	**4.8b,4.2s**	**230**	**4-151**
IDC	V	30 14 42 06.4–.44	10.98N	141.44E	0	4.7,4.6		¶12869631
MOS	V	30 14 42 09.2–1.1	10.96N	141.44E	33	5.0b,4.6		
ISCJB	V	30 14 42 10.7–1.0	11.07N–.04	141.52E–.05	44–9	4.8b,4.2s		
NEIC	V	30 14 42 10.9–.26	10.98N	141.20E	35	4.9b,4.2s		
BJI	V	30 14 42 14.6	11.49N	141.04E	35	4.9b,4.8b		
GCMT	V	30 14 42 15.8–.20	10.96N	141.33E	51–1	5.0W,4.8b		
DJA	V	30 14 42 22.1–.60	11N–6.0	142E–7.0	131–9	5.3b,5.1		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
GCMT	Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s46,c58; s66,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}2.98±.16 $M_{\theta\theta}$-3.15±.12; $M_{\phi\phi}$0.17±.13; $M_{r\theta}$-1.92±.09; $M_{\theta\phi}$-1.99±.11; $M_{\phi r}$0.01±.10; Best double couple: NP1:ϕ_s46.00000°,δ35.00000°,λ60.00000°. NP2:ϕ_s261.00000°,δ60.00000°,λ109.00000°. Principal axes: T 3.6400,Plg68.0000° ,Azm210.0000°; N 0.8500,Plg17.0000°,Azm71.0000°; P -4.4900,Plg13.0000°,Azm337.0000° $M_0$4.10000×10^{16}							
IDC	**VI**	**01 16 40 35.1–.82**	**10.44N**	**138.79E**	**0**	**3.8,3.7**		
								¶16066171
IDC	Error ellipse: s-maj=31.9km s-min=17.6km az=81.0.							
IDC	**VI**	**02 08 09 41.2–1.0**	**10.61N**	**138.81E**	**0**	**3.8,3.6**		
								¶16066208
IDC	Error ellipse: s-maj=46.5km s-min=21.9km az=90.0.							
IDC	**VI**	**03 17 12 25.6–3.3**	**6.22N**	**132.51E**	**0**	**3.5,3.3**		
								¶16100902
IDC	Error ellipse: s-maj=182.5km s-min=27.4km az=71.0.							
IDC	**VI**	**07 19 00 44.3–.63**	**11.56N**	**141.81E**	**0**	**4.2,4.1**		
								¶16101073
IDC	Error ellipse: s-maj=26.5km s-min=13.6km az=82.0.							
ISC	**VI**	**15 06 50 09.6–.48**	**11.32N–.07**	**140.14E–.06**	**80–2**	**4.6b**	**130**	**5-152**
IDC	VI	15 06 49 59.1–.55	11.44N	140.23E	0	4.6,4.5b		¶13077668
BJI	VI	15 06 50 02.9	10.88N	140.52E	75	5.0b,4.7b		
ISCJB	VI	15 06 50 06.0–1.2	11.33N–.06	140.00E–.05	57–10	4.7b,3.9s		
NEIC	VI	15 06 50 09.4–1.2	11.34N	140.02E	76–11	4.7b,3.9s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=25.2km s-min=12.4km az=77.0.							
ISCJB	Event type se. Error ellipse: s-maj=9.7km s-min=7.7km az=28.1.							
NEIC	Event type se. Error ellipse: s-maj=7.7km s-min=6.6km az=67.0.							
IDC	**VI**	**21 15 49 27.9–3.1**	**6.97N**	**134.43E**	**0**	**3.8s,3.8**		
								¶16101579
IDC	Error ellipse: s-maj=181.3km s-min=22.4km az=75.0.							
ISC	**VI**	**24 16 51 21.3–.53**	**4.06N–.07**	**132.87E–.07**	**35**	**4.5b,3.0s**	**61**	**6-156**
IDC	VI	24 16 51 16.1–.63	4.06N	132.86E	0	4.3,4.1b		¶13681974
ISCJB	VI	24 16 51 19.1–.46	4.05N–.05	132.86E–.06	33	4.4b,3.1s		
NEIC	VI	24 16 51 21.3–.32	3.99N	132.78E	35	4.6b,3.1s		
DJA	VI	24 16 51 25.1–2.0	4N–9.0	133E–5.0	19–15	5.2b,4.9b		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
IDC	**VI**	**30 00 31 42.3–.82**	**11.11N**	**140.56E**	**0**	**4.2,4.0**		
								¶16101878
IDC	Error ellipse: s-maj=28.5km s-min=19.3km az=86.0.							

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IDC	**I**	**01 05 33 36.4–1.2**	**11.93N**	**143.99E**	**0**	**3.4,3.3b**		
								¶12079737
IDC	Error ellipse: s-maj=38.5km s-min=18.9km az=103.0.							
IDC	**I**	**02 16 42 49.0–.93**	**11.91N**	**143.31E**	**0**	**3.8,3.6b**		
								¶12079835
IDC	Error ellipse: s-maj=31.5km s-min=18.8km az=112.0.							
ISC	**I**	**05 13 52 29.0–.49**	**12.40N–.08**	**143.46E–.09**	**27**	**4.6b,3.3s**	**85**	**2-149**
ISCJB	I	05 13 52 27.3–.34	12.38N–.05	143.39E–.06	27	4.5b,3.4s		¶12080381
IDC	I	05 13 52 33.0–1.8	12.44N	143.53E	63–17	4.3,4.1		
NEIC	I	05 13 52 33.3–1.1	12.41N	143.53E	66–11	4.5b,4.1		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=9.0km s-min=6.8km az=17.6.							
IDC	Error ellipse: s-maj=17.2km s-min=10.4km az=102.0.							
NEIC	Event type se. Error ellipse: s-maj=10.9km s-min=5.9km az=94.0.							
ISC	**I**	**16 00 42 08.1–.51**	**12.38N–.08**	**143.68E–.10**	**27**	**4.1b**	**43**	**2-149**
IDC	I	16 00 42 04.3–.56	12.36N	143.48E	0	4.4,4.2b		¶12081394
NEIC	I	16 00 42 05.9–.35	12.33N	143.55E	10	4.3b,4.2b		
ISCJB	I	16 00 42 06.6–.47	12.33N–.07	143.52E–.09	27	4.1b,4.2b		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							
IDC	**I**	**16 14 15 43.9–1.3**	**12.55N**	**143.38E**	**0**	**4.4,4.0b**		
								¶12081443
IDC	Error ellipse: s-maj=67.7km s-min=22.3km az=127.0.							
IDC	**I**	**16 14 23 42.2–.96**	**12.52N**	**143.45E**	**26–5**	**3.8,3.5b**		
								¶12081444
IDC	Error ellipse: s-maj=56.9km s-min=14.0km az=119.0.							
IDC	**I**	**16 23 56 57.3–1.9**	**12.94N**	**145.03E**	**42–17**	**3.8,3.5b**		
								¶12081493
IDC	Error ellipse: s-maj=43.1km s-min=17.9km az=98.0.							
IDC	**I**	**18 09 58 42.9–1.1**	**12.58N**	**143.66E**	**0**	**3.5,3.4**		
								¶12081633
IDC	Error ellipse: s-maj=49.1km s-min=22.1km az=95.0.							
IDC	**I**	**23 11 59 51.4–.93**	**12.61N**	**143.66E**	**0**	**3.9,3.7**		
								¶12082119
IDC	Error ellipse: s-maj=28.1km s-min=12.8km az=136.0.							
IDC	**I**	**24 13 16 59.9–1.6**	**12.88N**	**143.67E**	**134–18**	**3.6,3.3b**		
								¶12082224
IDC	Error ellipse: s-maj=38.8km s-min=16.5km az=102.0.							
IDC	**I**	**24 13 27 33.3–3.8**	**13.10N**	**143.48E**	**203–77**	**3.1,2.9b**		
								¶12082226
IDC	Error ellipse: s-maj=158.6km s-min=17.5km az=85.0.							
IDC	**I**	**28 18 20 41.2–.92**	**12.65N**	**143.09E**	**0**	**3.8,3.6**		
								¶12082600
IDC	Error ellipse: s-maj=35.0km s-min=20.1km az=111.0.							
IDC	**I**	**29 04 17 30.9–3.1**	**12.10N**	**144.01E**	**44–29**	**3.6,3.3b**		
								¶12082639
IDC	Error ellipse: s-maj=44.9km s-min=20.5km az=111.0.							
IDC	**I**	**29 18 29 02.5–.91**	**12.37N**	**144.26E**	**0**	**4.0,3.8**		
								¶12082685
IDC	Error ellipse: s-maj=31.1km s-min=16.2km az=114.0.							
ISC	**I**	**30 22 55 15.9–.64**	**10.60N–.08**	**145.7E–.10**	**20**	**4.4b,3.4s**	**70**	**3-146**
IDC	I	30 22 55 12.6–.69	10.52N	145.78E	0	5.1L,4.3		¶12082771
ISCJB	I	30 22 55 14.1–.55	10.50N–.07	145.6E–.10	20	4.4b,3.4s		
NEIC	I	30 22 55 14.1–.39	10.50N	145.71E	10	4.5b,3.4s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=24.3km s-min=15.2km az=90.0.							
ISCJB	Event type se. Error ellipse: s-maj=15.2km s-min=9.7km az=176.8.							
NEIC	Event type se. Error ellipse: s-maj=11.0km s-min=7.4km az=86.0.							
IDC	**II**	**11 09 41 25.6–2.0**	**12.17N**	**143.88E**	**0**	**4.3,4.1**		
								¶15955414
IDC	Error ellipse: s-maj=54.9km s-min=25.1km az=157.0.							
IDC	**II**	**11 10 01 12.3–2.5**	**11.96N**	**144.04E**	**0**	**4.0,3.8b**		
								¶15955417
IDC	Error ellipse: s-maj=66.2km s-min=29.5km az=145.0.							
ISC	**II**	**12 13 41 42.8–.31**	**12.23N–.04**	**143.89E–.04**	**35–1**	**5.5b,5.2s**	**846**	**2-168**
IDC	II	12 13 41 37.4–.37	12.18N	143.91E	0	5.3s,5.3		¶11671984
MOS	II	12 13 41 40.9–1.1	12.20N	143.77E	33	5.5b,5.3		
ISCJB	II	12 13 41 40.4–1.3	12.27N–.03	143.76E–.02	23–9	5.5b,5.2s		
BJI	II	12 13 41 40.6	12.20N	143.94E	36	5.6b,5.5s		
TEH	II	12 13 41 43.0	12.15N	143.80E	35	5.5L,5.5s		
NEIC	II	12 13 41 43.5–.13	12.15N	143.77E	40	5.5b,5.5s		
DJA	II	12 13 41 56	12.06N	143.98E	164	5.6b,5.5s		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=12.9km s-min=8.9km az=90.0.							
MOS	Error ellipse: s-maj=7.8km s-min=4.9km az=104.8.							
ISCJB	Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=169.3.							
NEIC	Event type fe. Error ellipse: s-maj=4.4km s-min=3.9km az=130.0. Felt at Barrigada, Hagatna, Santa Rita and Tamuning.							
IDC	**II**	**17 12 57 06.8–.85**	**12.44N**	**142.17E**	**24–4**	**3.8,3.6**		
								¶15956409
IDC	Error ellipse: s-maj=24.6km s-min=19.2km az=102.0.							
IDC	**II**	**17 17 00 32.3–.82**	**12.41N**	**142.25E**	**0**	**4.0,3.8**		
								¶15956429
IDC	Error ellipse: s-maj=28.5km s-min=21.1km az=92.0.							
IDC	**II**	**22 06 10 43.4–.90**	**13.87N**	**147.73E**	**0**	**3.7,3.7L**		
								¶15956923
IDC	Error ellipse: s-maj=28.4km s-min=20.3km az=111.0.							
ISC	**II**	**24 05 50 15.0–.91**	**13.7N–.10**	**146.45E–.09**	**26**	**4.0b**	**25**	**2-145**
IDC	II	24 05 50 10.9–1.0	13.74N	146.47E	0	4.1,4.0		¶12701705
ISCJB	II	24 05 50 12.2–.79	13.78N–.10	146.61E–.09	26	3.9b,4.0		
NEIC	II	24 05 50 13.0–.70	13.71N	146.37E	10	4.3b,4.0		
ISC	Event type se.							
IDC	Error ellipse: s-maj=23.5km s-min=20.3km az=102.0.							
ISCJB	Event type se. Error ellipse: s-maj=14.0km s-min=11.8km az=158.6.							
NEIC	Event type se. Error ellipse: s-maj=18.7km s-min=14.0km az=98.0.							
ISC	**II**	**24 05 58 01.5–.29**	**13.84N–.03**	**146.34E–.03**	**18–0**	**5.8s,5.7b**	**1213**	**1-172**
BJI	II	24 05 57 57.9	13.96N	146.56E	9	5.8s,5.8b		¶13435036
ISCJB	II	24 05 57 59.2–.81	13.82N–.02	146.29E–.02	10–5	5.7s,5.7b		
DJA	II	24 05 58 00	14.02N	146.50E	10	5.9W,5.7b		
NEIC	II	24 05 58 00.4–.10	13.79N	146.30E	9	5.9W,5.8s		
TEH	II	24 05 58 01.0	13.80N	146.28E	10	6.1L,5.8s		
MOS	II	24 05 58 02.4–1.1	13.84N	146.22E	33	5.8b,5.7s		
IDC	II	24 05 58 05.4–.97	13.77N	146.31E	47–8	5.6,5.6		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=169.9.							
NEIC	Event type se. Error ellipse: s-maj=3.3km s-min=2.8km az=160.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ80.00000° ,λ80.00000°. NP2:ϕ_s235.00000°,δ14.00000°,λ135.00000°. Principal axes: T Plg54.0000° ,Azm268.0000°; N Plg0.0000°,Azm0.0000°; P Plg34.0000°,Azm109.0000° Moment Tensor Solution. s55 Moment tensor: Scale 10^{17}Nm; M_{rr}3.18 $M_{\theta\theta}$-1.69 $M_{\phi\phi}$-1.49 $M_{r\theta}$0.58 $M_{\theta\phi}$-1.50 $M_{\phi r}$7.52 Best double couple: NP1:ϕ_s9.00000°,δ80.00000°,λ79.00000°. NP2:ϕ_s238.00000° ,δ15.00000°,λ138.00000°. Principal axes: T 8.7400,Plg53.0000°,Azm266.0000° ; N -1.2900,Plg10.0000°,Azm10.0000°; P -7.4500,Plg34.0000°,Azm108.0000° $M_0$8.20000×10^{17}							
MOS	Error ellipse: s-maj=7.4km s-min=4.8km az=108.7.							
IDC	Error ellipse: s-maj=9.1km s-min=7.1km az=85.0.							
IDC	**II**	**24 06 58 17.1–1.3**	**13.80N**	**146.65E**	**0**	**3.9,3.7**		
								¶15957143
IDC	Error ellipse: s-maj=30.5km s-min=23.0km az=135.0.							
IDC	**II**	**24 18 57 34.1–1.1**	**13.85N**	**146.64E**	**0**	**3.9,3.8**		
								¶15957177
IDC	Error ellipse: s-maj=30.1km s-min=19.2km az=97.0.							

IDC II 25 12 51 40.1–.88 13.78N 146.31E 0 4.1s,4.1
¶15957245

IDC Error ellipse: s-maj=29.1km s-min=20.0km az=100.0.
IDC II 25 19 46 09.3–1.4 13.53N 146.03E 0 3.6,3.4
¶15957271

IDC Error ellipse: s-maj=54.1km s-min=23.5km az=92.0.
IDC II 26 01 13 60.0–1.5 13.65N 146.54E 0 3.8,3.6
¶15957331

IDC Error ellipse: s-maj=50.3km s-min=30.8km az=98.0.
IDC II 26 09 53 47.9–1.8 12.01N 143.87E 0 3.6,3.2
¶15957347

IDC Error ellipse: s-maj=290.2km s-min=30.5km az=110.0.
IDC II 27 11 21 26.0–38 12.76N 145.18E 0 3.7,3.5
¶15957447

IDC Error ellipse: s-maj=683.8km s-min=162.9km az=4.0.

ISC	**II**	**27 14 50 22.3–.60**	**13.89N–.09**	**146.6E–.10**	**37**	**4.1b**	**48**	**2-145**	
IDC	II	27 14 50 17.0–.69	13.96N	146.54E	0	4.1,4.1			¶12702015
ISCJB	II	27 14 50 20.5–.54	13.88N–.07	146.4E–.10	37	4.1b,2.8s			
NEIC	II	27 14 50 20.3–9.9	13.90N	146.54E	24–69	4.5b,2.8s			

ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=14.9km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=9.3km az=177.3.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=10.6km az=83.0.
IDC II 27 18 14 57.1–1.1 13.83N 146.35E 0 3.8s,3.8
¶15957470

IDC Error ellipse: s-maj=49.4km s-min=21.3km az=94.0.
IDC II 27 20 11 03.6–18 12.65N 143.47E 185–174 3.3,3.2
¶15957474

IDC Error ellipse: s-maj=77.5km s-min=19.4km az=69.0.

ISC	**II**	**28 05 49 07.3–.63**	**13.7N–.10**	**146.68E–.07**	**26**	**4.1b,3.2s**	**46**	**2-145**	
IDC	II	28 05 49 03.4–.68	13.69N	146.71E	0	4.1,4.0			¶12702079
ISCJB	II	28 05 49 05.2–.52	13.69N–.07	146.79E–.07	26	4.1b,3.2s			
NEIC	II	28 05 49 08.7–.37	13.68N	146.63E	35	4.4b,3.2s			

ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=16.0km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=9.8km az=154.5.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.3km az=90.0.
IDC III 02 08 53 43.8–3.8 13.94N 146.40E 53–33 3.6,3.5
¶12702247

IDC Error ellipse: s-maj=29.6km s-min=18.5km az=87.0.
IDC III 02 09 01 53.8–.96 12.79N 143.08E 0 3.8,3.6b
¶12702248

IDC Error ellipse: s-maj=45.7km s-min=19.7km az=97.0.
IDC III 02 12 51 11.2–3.6 13.82N 146.27E 53–31 4.1s,4.1
¶12702262

IDC Error ellipse: s-maj=27.0km s-min=19.7km az=79.0.
IDC III 02 18 05 44.3–1.4 10.48N 145.96E 0 4.3L,3.8
¶12702286

IDC Error ellipse: s-maj=46.9km s-min=19.4km az=91.0.
IDC III 03 04 23 22.3–2.7 12.15N 144.18E 43–27 3.7,3.5b
¶12702326

IDC Error ellipse: s-maj=40.0km s-min=15.4km az=105.0.

ISC	**III**	**03 05 10 49.9–.31**	**13.15N–.04**	**143.88E–.04**	**138–2**	**5.2b**	**967**	**1-168**	
ISCJB	III	03 05 10 48.6–.51	13.14N–.03	143.78E–.02	133–4	5.1b			¶13435436
BJI	III	03 05 10 48.5	13.12N	144.00E	145	5.2b,5.1b			
IDC	III	03 05 10 49.6–.50	13.10N	143.89E	136–4	4.9,4.9			
MOS	III	03 05 10 49.0–1.1	13.22N	143.76E	137	5.1b,4.9			
NEIC	III	03 05 10 50.2–.55	13.10N	143.84E	140–4	5.3b,4.9			
DJA	III	03 05 10 50.2–.30	13N–6.0	144E–6.0	142–5	5.5b,5.2			

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Hagatna and Santa Rita; [II] at Hagatna Heights. Also felt at Andersen AFB, Chalan Pago, Dededo, Mangilao, Tamuning and Yigo.
IDC III 08 05 12 57.8–1.0 13.61N 146.32E 44–9 3.5,3.3b
¶12702684

IDC Error ellipse: s-maj=17.9km s-min=10.4km az=5.0.
IDC III 09 17 01 38.2–1.4 13.00N 143.44E 206–29 3.2,3.1b
¶12702808

IDC Error ellipse: s-maj=57.1km s-min=15.1km az=84.0.
IDC III 11 08 14 51.2–.94 12.09N 142.95E 0 4.0L,4.0
¶12702958

IDC Error ellipse: s-maj=54.1km s-min=20.6km az=114.0.
IDC III 12 11 07 06.0–1.4 13.67N 146.43E 0 3.6,3.3b
¶12703065

IDC Error ellipse: s-maj=29.4km s-min=17.1km az=173.0.
IDC III 17 12 29 26.4–3.9 12.02N 145.01E 85–57 3.4s,3.4
¶12703512

IDC Error ellipse: s-maj=388.7km s-min=16.6km az=85.0.

ISC	**III**	**19 02 44 37.7–.73**	**12.1N–.10**	**143.7E–.10**	**25**	**4.0b**	**34**	**2-149**	
IDC	III	19 02 44 34.3–.70	12.11N	143.65E	0	4.2,4.1s			¶12703635
ISCJB	III	19 02 44 36.2–.55	12.07N–.08	143.6E–.10	25	4.2s,3.9b			
NEIC	III	19 02 44 39.5–.45	12.09N	143.65E	35	4.1b,3.9b			

ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=15.0km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=8.1km az=32.9.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=9.6km az=105.0.
IDC III 19 03 35 48.6–1.6 11.97N 143.93E 0 3.9,3.5b
¶12703641

IDC Error ellipse: s-maj=153.3km s-min=21.9km az=114.0.
IDC III 19 04 50 07.3–1.1 12.71N 144.53E 71–10 3.8,3.7
¶12703646

IDC Error ellipse: s-maj=25.5km s-min=13.6km az=93.0.
IDC III 22 20 37 38.8–2.8 11.55N 142.85E 55–27 3.7,3.6L
¶12635326

IDC Error ellipse: s-maj=26.7km s-min=15.3km az=112.0.

ISC	**III**	**24 04 15 05.2–.49**	**12.17N–.05**	**143.91E–.06**	**35–1**	**4.6b,3.9s**	**132**	**2-149**	
IDC	III	24 04 14 59.9–.51	12.16N	144.04E	0	4.6,4.5			¶13437151
NEIC	III	24 04 15 01.5–.20	12.14N	143.85E	10	4.7b,4.5			
ISCJB	III	24 04 15 02.1–2.0	12.09N–.04	143.81E–.05	25–14	4.6b,4.0s			
BJI	III	24 04 15 08.7	12.58N	143.28E	33	5.0b,4.7s			
AUST	III	24 04 15 56.4–15	9.28N	142.72E	340–6	5.0b,4.7s			

ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=12.1km az=92.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.0km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.7km az=9.5.
AUST Error ellipse: s-maj=5.7km s-min=2.2km az=341.0.
IDC III 24 04 23 15.6–.91 12.17N 144.07E 0 3.9,3.7b
¶12635444

IDC Error ellipse: s-maj=41.0km s-min=16.5km az=110.0.
IDC III 25 16 19 00.6–1.7 12.17N 144.69E 0 3.5,3.4b
¶12635573

IDC Error ellipse: s-maj=65.6km s-min=16.3km az=94.0.

ISC	**III**	**26 10 30 39.2–.44**	**12.23N–.06**	**143.97E–.08**	**26**	**4.7b,4.2s**	**112**	**2-153**	
IDC	III	26 10 30 35.1–.49	12.23N	143.97E	0	4.6,4.5			¶12635630
MOS	III	26 10 30 36.8–1.2	12.15N	143.86E	23	4.7b,4.0s			
NEIC	III	26 10 30 36.8–.27	12.20N	143.95E	10	4.8b,4.0s			
ISCJB	III	26 10 30 37.7–.31	12.19N–.05	143.84E–.06	26	4.5b,4.3s			
GCMT	III	26 10 30 39.5–.30	12.21N	143.79E	14–1	5.0W,4.3s			

ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=12.5km az=95.0.
MOS Error ellipse: s-maj=13.9km s-min=7.5km az=103.6.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.3km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.6km az=24.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s30,c34; s77,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.81±.25 $M_{\theta\theta}$0.61±.13; $M_{\phi\phi}$3.20±.17; $M_{r\theta}$0.57±.32; $M_{\theta\phi}$-1.91±.09; $M_{\phi r}$1.88±.35; Best double couple: NP1:ϕ_s314.00000°,δ38.00000°,λ-119.00000°. NP2:ϕ_s170.00000°,δ57.00000°,λ-69.00000°. Principal axes: T 4.4600,Plg10.0000° ,Azm245.0000°; N 0.0400,Plg18.0000°,Azm338.0000°; P -4.5000,Plg69.0000° ,Azm127.0000° $M_0$4.50000×10^{16}
IDC III 28 01 09 21.5–.95 12.18N 143.87E 0 3.6,3.5
¶12635733

IDC Error ellipse: s-maj=37.9km s-min=17.6km az=112.0.

ISC	**III**	**29 00 24 03.0–.74**	**12.35N–.06**	**144.05E–.06**	**23–4**	**4.7b,3.7s**	**144**	**1-149**	
ISCJB	III	29 00 23 58.8–2.1	12.31N–.05	143.96E–.05	7–13	4.6b,3.8s			¶12062929
BJI	III	29 00 23 58.7	12.05N	144.40E	29	4.8s,4.7b			
IDC	III	29 00 23 59.2–.53	12.37N	144.04E	0	4.4,4.4			
NEIC	III	29 00 24 00.8–.27	12.35N	143.99E	10	4.9b,4.4			
MOS	III	29 00 24 02.7–1.1	12.33N	143.92E	35	4.8b,4.4			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=7.9km az=137.0.
IDC Error ellipse: s-maj=17.8km s-min=12.4km az=97.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.4km az=98.0.
MOS Error ellipse: s-maj=13.3km s-min=8.0km az=99.1.
IDC IV 04 13 34 35.9–1.9 12.61N 144.19E 54–19 3.6,3.5
¶16152365

IDC Error ellipse: s-maj=27.8km s-min=15.0km az=107.0.
IDC IV 09 09 00 52.1–5.6 12.92N 143.38E 118–48 3.1,2.9
¶16152580

IDC Error ellipse: s-maj=112.6km s-min=24.3km az=116.0.
IDC IV 11 00 13 36.4–.88 13.03N 143.44E 211–10 3.6,3.4
¶16152645

IDC Error ellipse: s-maj=24.5km s-min=10.4km az=98.0.

ISC	**IV**	**22 10 06 35.7–.84**	**12.3N–.10**	**144.2E–.20**	**27**	**3.8b**	**24**	**1-92**	
IDC	IV	22 10 06 31.5–.82	12.31N	144.14E	0	4.1,3.8			¶12935963
ISCJB	IV	22 10 06 34.2–.70	12.3N–.10	144.0E–.20	27	3.9b,3.8			
NEIC	IV	22 10 06 36.8–.61	12.30N	144.18E	35	4.1b,3.8			

ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=15.9km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=26.3km s-min=9.3km az=31.3.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=12.5km az=110.0.
IDC IV 28 10 06 44.8–1.3 12.41N 143.78E 0 3.8,3.5
¶16154586

IDC Error ellipse: s-maj=90.1km s-min=17.7km az=119.0.
IDC V 06 15 23 51.6–1.3 12.45N 141.93E 29–7 3.9,3.6b
¶16155455

IDC Error ellipse: s-maj=37.0km s-min=23.3km az=84.0.
IDC V 11 15 16 00.2–.92 12.96N 145.60E 0 3.8,3.6
¶16155635

IDC Error ellipse: s-maj=23.6km s-min=17.8km az=59.0.
IDC V 11 15 26 20.1–1.1 12.95N 145.53E 0 3.6,3.4
¶16155636

IDC Error ellipse: s-maj=27.2km s-min=17.4km az=67.0.
IDC V 12 02 39 33.8–.91 12.05N 143.10E 0 4.1L,4.0
¶16155661

IDC Error ellipse: s-maj=38.4km s-min=18.5km az=118.0.

ISC	**V**	**12 06 22 51.1–.60**	**13.0N–.10**	**145.5E–.10**	**43**	**4.1b,3.6s**	**39**	**1-147**	
IDC	V	12 06 22 44.8–.61	13.03N	145.57E	0	4.3,4.0			¶12840121
ISCJB	V	12 06 22 49.3–.51	12.96N–.07	145.5E–.10	43	4.1b,3.8s			
NEIC	V	12 06 22 50.2–.41	13.00N	145.51E	35	4.4b,3.8s			

ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=13.2km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=8.0km az=155.4.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=8.9km az=83.0.
IDC V 12 18 26 54.1–1.3 12.94N 145.67E 0 3.7,3.4
¶16155682

IDC Error ellipse: s-maj=37.9km s-min=20.9km az=76.0.

ISC	**V**	**14 14 30 46.8–.51**	**12.24N–.06**	**144.7E–.10**	**29**	**4.4b,3.6s**	**70**	**1-148**	
IDC	V	14 14 30 42.9–.55	12.24N	144.48E	0	4.3,4.2			¶13678940
ISCJB	V	14 14 30 44.8–.39	12.18N–.05	144.60E–.08	29	4.4b,3.5s			
NEIC	V	14 14 30 44.9–5.4	12.23N	144.48E	18–33	4.6b,3.5s			

ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=12.0km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.6km az=10.7.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=8.4km az=93.0.
IDC V 15 09 16 37.3–.94 12.77N 145.61E 0 3.8,3.6
¶16155765

IDC Error ellipse: s-maj=27.2km s-min=18.3km az=73.0.
IDC V 15 13 39 35.1–1.3 11.37N 145.22E 0 3.9,3.6
¶16155770

IDC Error ellipse: s-maj=75.5km s-min=19.1km az=98.0.

ISC	**V**	**16 15 14 47.1–.53**	**12.86N–.09**	**145.6E–.10**	**43**	**4.3b**	**67**	**1-147**	
IDC	V	16 15 14 40.9–.60	12.90N	145.70E	0	4.4,4.3			¶13679066
ISCJB	V	16 15 14 45.7–.42	12.85N–.07	145.48E–.08	43	4.3b,4.3			
NEIC	V	16 15 14 46.6–1.9	12.87N	145.53E	38–16	4.5b,4.3			

ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=14.1km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=9.0km az=147.6.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.9km az=103.0.
IDC V 20 16 16 21.2–3.1 12.55N 142.21E 110–36 3.5,3.3
¶16155961

IDC Error ellipse: s-maj=33.3km s-min=16.2km az=90.0.
IDC V 20 17 25 51.4–1.9 12.57N 142.69E 166–19 3.5,3.2
¶16155962

IDC Error ellipse: s-maj=30.0km s-min=14.5km az=101.0.

ISC	**V**	**23 05 44 36.2–.53**	**11.95N–.07**	**142.85E–.06**	**31**	**4.5b,4.0s**	**84**	**3-150**	
BJI	V	23 05 44 32.7	11.73N	143.09E	34	4.8b,4.7b			¶12854211
ISCJB	V	23 05 44 34.3–.40	11.92N–.06	142.83E–.05	31	4.4b,3.7s			
IDC	V	23 05 44 37.5–2.3	12.02N	142.79E	44–22	4.4L,4.1			
NEIC	V	23 05 44 37.3–1.4	12.00N	142.79E	42–12	4.5b,4.1			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=7.7km az=166.0.
IDC Error ellipse: s-maj=18.1km s-min=14.1km az=104.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.2km az=96.0.
IDC V 27 21 18 30.7–.63 13.66N 146.35E 48–4 3.7,3.6
¶16156238

IDC Error ellipse: s-maj=14.0km s-min=7.9km az=166.0.
IDC V 30 22 02 59.0–.95 12.54N 143.56E 0 4.0,3.7
¶16066092

IDC Error ellipse: s-maj=35.9km s-min=19.4km az=98.0.
IDC V 31 11 42 53.5–5.0 13.19N 142.76E 0 3.9,3.8
¶16066112

IDC Error ellipse: s-maj=211.2km s-min=21.8km az=80.0.

ISC	**VI**	**03 11 57 38.9–.68**	**11.82N–.09**	**143.7E–.10**	**25**	**4.5b,3.2s**	**45**	**2-93**	
IDC	VI	03 11 57 34.8–.80	11.88N	143.81E	0	4.4,4.3			¶13680346
ISCJB	VI	03 11 57 37.2–.44	11.81N–.06	143.61E–.08	25	4.3b,3.3s			
NEIC	VI	03 11 57 40.8–.38	11.82N	143.69E	40	4.6b,3.3s			

ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=17.2km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=7.8km az=25.5.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.6km az=94.0.
IDC VI 05 20 00 16.6–6.3 12.52N 145.18E 0 3.5,3.3
¶16100993

IDC Error ellipse: s-maj=227.0km s-min=33.0km az=81.0.
IDC VI 06 13 13 25.9–.86 12.16N 144.09E 0 3.9,3.7
¶16101016

IDC Error ellipse: s-maj=38.1km s-min=20.7km az=100.0.
IDC VI 09 10 20 19.4–1.1 11.35N 142.82E 0 4.0,3.7
¶16101146

IDC Error ellipse: s-maj=35.8km s-min=23.1km az=89.0.
IDC VI 12 14 03 12.0–1.1 13.51N 146.65E 0 3.9,3.7
¶16101239

IDC Error ellipse: s-maj=38.5km s-min=21.3km az=96.0.

ISC	**VI**	**13 16 59 12.7–.91**	**11.9N–.10**	**143.7E–.20**	**25**	**3.8b**	**21**	**2-89**	
IDC	VI	13 16 59 08.9–1.1	11.84N	143.67E	0	4.0,3.8			¶13681297
NEIC	VI	13 16 59 14.2–.81	11.83N	143.56E	35	4.5b,3.8			

ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=27.5km az=90.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=16.1km az=120.0.
IDC VI 13 19 26 48.6–24 13.14N 143.53E 290–260 3.1,2.9
¶16101289

IDC Error ellipse: s-maj=59.7km s-min=27.3km az=64.0.

ISC	**VI**	**19 00 59 21.6–.57**	**12.3N–.10**	**144.0E–.20**	**27**	**4.1b,3.3s**	**34**	**1-156**	

IDC VI 19 00 59 17.4–.62 12.35N 144.00E 0 4.3,4.1 **¶13681628**
ISCJB VI 19 00 59 19.6–.51 12.26N–.08 144.0E–.10 27 4.2b,3.1s
NEIC VI 19 00 59 22.6–.49 12.31N 144.05E 35 4.6b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=16.8km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=8.1km az=28.1.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=12.2km az=105.0.
IDC VI 20 22 55 05.4–2.8 13.06N 142.66E 0 3.6,3.4
¶16101549
IDC Error ellipse: s-maj=123.6km s-min=21.4km az=85.0.
IDC VI 23 11 10 30.1–1.9 12.04N 143.77E 128–18 3.9,3.8
¶16101647
IDC Error ellipse: s-maj=22.9km s-min=12.9km az=94.0.
ISC VI 29 07 58 22.4–.40 12.46N–.05 143.79E–.05 47–2 4.9b,4.0s 337 2-156
BJI VI 29 07 58 18.0 12.20N 143.94E 38 5.0b,5.0b **¶13383595**
MOS VI 29 07 58 18.9–1.1 12.39N 143.69E 33 5.3b,5.0b
ISCJB VI 29 07 58 20.6–.81 12.40N–.04 143.73E–.03 43–7 4.9b,4.0s
IDC VI 29 07 58 21.2–1.6 12.41N 143.80E 38–13 4.7,4.6
NEIC VI 29 07 58 22.1–.91 12.40N 143.74E 44–8 4.9b,4.6
TEH VI 29 07 58 22.0 12.42N 143.73E 42 4.9L,4.6
DJA VI 29 07 58 24.6–.70 13N–15 144E–11 162–11 5.7b,5.3
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Finegayan.

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ISC I 01 20 47 54.4–2.7 32.5N–.10 142.2E–.10 1–16 3.6b 22 2-53
JMA I 01 20 47 54.9–.30 32.72N 142.43E 1 3.8 **¶12079778**
IDC I 01 20 47 57.6–4.6 31.97N 141.16E 0 3.6,3.5b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=169.8km s-min=23.4km az=70.0.
ISC I 02 07 42 52.1–.25 32.75N–.03 138.20E–.03 322–1 5.1b 1453 1-158
NIED I 02 07 42 00 32.80N 138.50E 360 5.1W **¶11526805**
MOS I 02 07 42 49.4–.91 32.68N 138.06E 308 5.1b
BJI I 02 07 42 49.8 32.77N 138.17E 320 5.3b,4.8b
SZGRF I 02 07 42 49.4 32.50N 139.00E 333 5.2b,4.8b
JMA I 02 07 42 49.3–.30 32.75N 138.47E 345–3 5.2,4.8b
BGS I 02 07 42 50.0–2.2 31.85N 137.16E 333 4.8b,4.8b
ISCJB I 02 07 42 51.7–.17 32.71N–.02 138.07E–.02 326–1 4.9b,4.8b
TEH I 02 07 42 52.0 32.66N 138.07E 316 4.9L,4.8b
DJA I 02 07 42 52 32.54N 138.15E 326 5.2b,4.8b
IDC I 02 07 42 52.2–.48 32.67N 138.12E 323–4 4.7,4.7
NEIC I 02 07 42 53.1–.11 32.66N 138.04E 333 5.1W,4.9b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ84.00000°,λ-89.00000°. NP2:ϕ_s206.00000°,δ6.00000°,λ-98.00000°. $M_0$4.77000×10^{16}
MOS Error ellipse: s-maj=7.5km s-min=3.9km az=108.3.
SZGRF Southeast of Honshu, Japan.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=162.3.
IDC Error ellipse: s-maj=7.4km s-min=5.5km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=129.0. Recorded [1 JMA] in Fukushima, Ibaraki, Kanagawa, Tochigi and Tokyo. Moment Tensor Solution. $M_0$4.80000×10^{16}
JMA I 02 09 33 52.4–.20 31.94N 140.84E 27 3.7
¶15527461
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
IDC I 05 07 19 32.1–6.1 31.90N 141.85E 0 4.2,3.9b
¶12080346
IDC Error ellipse: s-maj=151.1km s-min=49.0km az=37.0.
ISC I 05 07 51 37.8–.64 30.50N–.04 140.36E–.09 19–10 4.2b,3.7s 78 3-121
NIED I 05 07 51 00 30.60N 140.80E 5 4.4W,3.7s **¶11659088**
IDC I 05 07 51 34.5–.55 30.42N 140.19E 0 4.3,4.3
JMA I 05 07 51 36.5–.10 30.61N 140.80E 36 4.0,4.3
ISCJB I 05 07 51 36.4–1.7 30.46N–.04 140.37E–.08 27–13 4.2b,3.8s
NEIC I 05 07 51 39.7–.33 30.38N 140.19E 35 4.4b,3.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s217.00000°,δ77.00000°,λ-66.00000°. NP2:ϕ_s334.00000°,δ27.00000°,λ-150.00000°. $M_0$4.85000×10^{15}
IDC Error ellipse: s-maj=18.7km s-min=14.0km az=88.0.
JMA Error ellipse: s-maj=1.1km s-min=3.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.7km az=163.9.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.2km az=69.0.
IDC I 05 08 01 39.8–.73 30.43N 140.14E 0 4.1,4.0
¶12080349
IDC Error ellipse: s-maj=22.7km s-min=19.0km az=91.0.
ISC I 06 00 48 55.9–1.0 33.2N–.10 138.02E–.09 329–8 2.9b 23 2-68
JMA I 06 00 48 53.8–.30 32.96N 138.15E 340 3.3 **¶12080437**
ISCJB I 06 00 48 54.8–.76 33.2N–.10 138.09E–.09 338–6 2.9b
IDC I 06 00 48 56.2–2.0 33.22N 137.83E 335–19 2.8,2.7
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=10.9km az=162.0.
IDC Error ellipse: s-maj=23.1km s-min=20.0km az=79.0.
ISC I 08 00 53 26.1–.98 32.89N–.06 140.0E–.10 164–9 3.5b 22 0-57
ISCJB I 08 00 53 25.2–.65 32.89N–.06 140.0E–.10 172–7 3.2b **¶12080695**
IDC I 08 00 53 25.7–4.0 32.34N 138.88E 116–143 3.3,3.0b
JMA I 08 00 53 27.5–.30 32.96N 140.08E 159–2 3.2,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=9.4km az=170.5.
IDC Error ellipse: s-maj=474.1km s-min=23.4km az=63.0.
JMA Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.
JMA I 08 03 12 50.2–.30 31.58N 141.33E 0 3.9
¶15529671
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
JMA I 09 11 46 30.8–.20 32.92N 137.24E 414 3.5
¶15530110
JMA Error ellipse: s-maj=6.7km s-min=2.8km az=-1.0.
IDC I 09 16 10 02.2–5.8 29.25N 138.60E 0 3.7,3.5
¶12080854
IDC Error ellipse: s-maj=407.4km s-min=42.7km az=81.0.
ISC I 10 19 28 49.5–1.1 33.34N–.07 139.54E–.06 179–8 26 0-53
ISCJB I 10 19 28 48.3–.76 33.33N–.06 139.56E–.06 182–6 3.1b **¶12080978**
IDC I 10 19 28 48.1–3.8 33.09N 139.28E 152–78 3.0,2.9b
JMA I 10 19 28 50.0–.20 33.42N 139.56E 173–3 3.0,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=8.5km az=176.5.
IDC Error ellipse: s-maj=187.8km s-min=30.2km az=64.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC I 10 22 21 29.6–.47 29.85N–.06 142.30E–.08 35 4.5b,3.7s 168 3-151
NIED I 10 22 21 00 30.00N 142.60E 11 4.4W,3.7s **¶13404797**
IDC I 10 22 21 24.1–.54 29.73N 142.24E 0 4.4,4.3
JMA I 10 22 21 26.9–.10 29.98N 142.60E 50 4.4,4.3
NEIC I 10 22 21 26.1–2.7 29.73N 142.21E 12–16 4.8b,4.3W
MOS I 10 22 21 27.1–.88 29.75N 142.23E 33 4.9b,4.3W
ISCJB I 10 22 21 27.8–.39 29.91N–.03 142.26E–.07 35 4.5b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s143.00000°,δ71.00000°,λ73.00000°. NP2:ϕ_s6.00000°,δ25.00000°,λ130.00000°. $M_0$4.01000×10^{15}
NEIC Event type se. Moment Tensor Solution. $M_0$4.00000×10^{15}
ISCJB Event type se.
ISC I 12 11 02 06.2–1.3 33.51N–.05 140.46E–.06 51–15 26 1-57
ISCJB I 12 11 02 05.3–.76 33.52N–.04 140.46E–.06 62–8 3.6b **¶12081102**
JMA I 12 11 02 06.2–.10 33.56N 140.44E 49–3 3.6
IDC I 12 11 02 08.5–8.6 33.32N 139.91E 59–114 3.6,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.5km az=19.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=178.3km s-min=59.5km az=66.0.
ISC I 12 21 09 18.5–.75 30.84N–.07 139.0E–.10 394–9 3.2b 48 2-83
ISCJB I 12 21 09 18.0–.47 30.83N–.06 139.0E–.10 403–6 3.4b **¶12081139**
JMA I 12 21 09 17.9–.30 30.98N 139.32E 429–4 3.9
IDC I 12 21 09 17.5–1.1 30.73N 138.56E 369–15 3.2,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=7.6km az=163.8.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=28.9km s-min=11.0km az=71.0.
ISC I 15 09 34 44.3–.40 31.50N–.04 141.76E–.04 56–2 4.9b,4.8s 702 2-151
NIED I 15 09 34 00 31.50N 142.00E 8 4.7W,4.8s **¶11594711**
JMA I 15 09 34 34.9–.20 31.52N 142.02E 0 5.0,4.8s
NEIC I 15 09 34 38.7–.16 31.41N 141.71E 10 5.0b,4.7W
MOS I 15 09 34 40.7–1.0 31.43N 141.72E 35 5.2b,4.7s
BJI I 15 09 34 41.2 31.50N 141.76E 55 5.2b,4.8s
IDC I 15 09 34 42.0–4.4 31.42N 141.70E 33–34 4.8L,4.7
ISCJB I 15 09 34 43.7–.13 31.47N–.02 141.57E–.02 58 5.0b,4.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ61.00000°,λ125.00000°. NP2:ϕ_s177.00000°,δ44.00000°,λ44.00000°. $M_0$1.24000×10^{16}
NEIC Event type se. Moment Tensor Solution. $M_0$1.20000×10^{16}
ISCJB Event type se.
ISC I 15 10 03 56.1–.57 31.50N–.04 141.81E–.05 20–2 4.5b,4.3s 191 2-149
BJI I 15 10 03 47.9 31.15N 142.08E 10 5.3b,4.5s **¶13404877**
IDC I 15 10 03 52.7–.54 31.46N 141.78E 0 4.4,4.3
ISCJB I 15 10 03 52.3–1.1 31.42N–.03 141.68E–.05 7–6 4.5b,4.3s
JMA I 15 10 03 52.3–.20 31.51N 141.97E 14 4.4,4.3s
NEIC I 15 10 03 54.4–.26 31.43N 141.71E 10 4.8b,4.3s
MOS I 15 10 03 56.0–1.0 31.44N 141.69E 33 4.8b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=13.2km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.1km az=159.2.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.0km az=76.0.
MOS Error ellipse: s-maj=15.3km s-min=7.1km az=112.2.
JMA I 15 10 06 07.9–.60 31.60N 141.87E 11 4.0
¶15531640
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
ISC I 15 10 34 17.3–.67 31.54N–.06 142.00E–.10 29 4.1b 53 2-93
IDC I 15 10 34 13.4–.83 31.37N 141.72E 0 4.0,4.0s **¶12081326**
NEIC I 15 10 34 14.8–.50 31.38N 141.77E 10 4.4b,4.0s
ISCJB I 15 10 34 15.0–.48 31.53N–.04 141.91E–.10 29 4.3b,3.9s
JMA I 15 10 34 15.9–.30 31.62N 141.89E 21 3.9,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=15.4km az=77.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=8.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=3.8km az=164.0.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISC I 15 11 13 11.5–1.8 31.6N–.10 142.3E–.40 40 3.5b 12 3-56
JMA I 15 11 13 05.5–.60 31.48N 141.85E 0 3.8 **¶12081328**
ISCJB I 15 11 13 08.7–1.7 31.6N–.10 142.5E–.50 40 3.5b
IDC I 15 11 13 10.4–4.1 31.11N 141.09E 0 3.5,3.3b
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=63.3km s-min=8.7km az=165.4.
IDC Error ellipse: s-maj=162.7km s-min=25.8km az=72.0.
ISC I 15 12 27 09.9–.84 32.85N–.07 138.40E–.06 304–7 3.7b 44 1-151
NIED I 15 12 27 00 32.90N 138.40E 280 4.0W **¶12081331**
JMA I 15 12 27 08.7–.50 32.95N 138.43E 328–5 3.7
ISCJB I 15 12 27 09.7–.52 32.94N–.05 138.35E–.07 315–4 3.6b
IDC I 15 12 27 10.5–1.3 32.81N 138.12E 298–15 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s266.00000°,δ75.00000°,λ145.00000°. NP2:ϕ_s7.00000°,δ56.00000°,λ19.00000°. $M_0$1.13000×10^{15}
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=8.3km az=136.5.
IDC Error ellipse: s-maj=27.3km s-min=11.4km az=68.0.
ISC I 16 16 15 15.1–1.1 31.62N–.07 142.3E–.20 71 3.8b 26 3-59
NIED I 16 16 15 00 31.70N 141.80E 5 4.0W **¶12081451**
JMA I 16 16 15 12.8–.40 31.74N 141.77E 0 4.0
ISCJB I 16 16 15 14.7–.87 31.70N–.06 142.1E–.20 71 3.7b
IDC I 16 16 15 16.0–1.1 30.75N 139.86E 0 4.1L,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ63.00000°,λ78.00000°. NP2:ϕ_s191.00000°,δ29.00000°,λ112.00000°. $M_0$1.16000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=21.8km s-min=6.3km az=162.7.
IDC Error ellipse: s-maj=41.7km s-min=18.0km az=68.0.
ISC I 17 17 11 39.7–.90 31.76N–.06 142.1E–.10 29 3.6b 31 2-56
NIED I 17 17 11 00 31.80N 141.90E 5 3.7W **¶12081551**
IDC I 17 17 11 35.4–2.1 31.73N 142.21E 0 3.7,3.7
ISCJB I 17 17 11 37.9–.70 31.80N–.05 142.1E–.10 29 3.6b,3.7
JMA I 17 17 11 37.7–.30 31.79N 141.94E 15 3.6,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ58.00000°,λ98.00000°. NP2:ϕ_s157.00000°,δ33.00000°,λ77.00000°. $M_0$4.59000×10^{14}
IDC Error ellipse: s-maj=81.5km s-min=17.7km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=5.4km az=161.3.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISC I 17 22 38 45.3–.83 31.48N–.07 141.8E–.10 40 3.7b 19 2-93
IDC I 17 22 38 40.2–.92 31.42N 141.85E 0 3.7,3.6L **¶12081581**
ISCJB I 17 22 38 43.7–.64 31.47N–.06 141.8E–.10 40 3.7b,3.6L
JMA I 17 22 38 44.8–.50 31.92N 141.74E 0 3.2,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=16.2km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=6.8km az=158.8.
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
ISC I 18 00 19 52.8–1.1 31.61N–.06 142.2E–.20 29 3.6b 31 3-93
NIED I 18 00 19 00 32.00N 141.80E 5 3.7W **¶12081586**
ISCJB I 18 00 19 50.4–.92 31.61N–.04 142.5E–.20 29 3.5b
IDC I 18 00 19 50.4–1.0 31.38N 141.78E 0 3.7,3.6
JMA I 18 00 19 55.7–.40 31.99N 141.83E 0 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ47.00000°,λ74.00000°. NP2:ϕ_s194.00000°,δ46.00000°,λ106.00000°. $M_0$4.65000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=5.0km az=172.2.
IDC Error ellipse: s-maj=37.7km s-min=18.1km az=79.0.
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
IDC I 18 01 07 07.7–2.6 30.08N 138.02E 425–34 3.2,3.1b
¶12081589
IDC Error ellipse: s-maj=66.4km s-min=17.1km az=77.0.
ISC I 18 13 29 32.1–.75 30.14N–.07 139.1E–.20 421 3.2b 31 3-74
ISCJB I 18 13 29 30.8–.50 30.07N–.04 139.2E–.10 421 3.2b **¶12081651**
JMA I 18 13 29 30.6–.30 30.14N 139.48E 461–4 3.5
IDC I 18 13 29 30.9–1.2 30.03N 139.03E 406–15 3.1,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=5.0km az=178.6.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=29.4km s-min=11.8km az=86.0.
JMA I 19 09 55 00.3–.20 30.39N 139.72E 319–4 3.6
¶15533027
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
IDC I 19 16 49 26.9–1.3 29.40N 140.92E 0 3.8L,3.5
¶12081778
IDC Error ellipse: s-maj=43.8km s-min=21.7km az=55.0.
ISC I 20 01 23 01.2–.66 32.08N–.06 137.98E–.07 357–6 4.1b 163 2-152
JMA I 20 01 23 00.5–.40 32.24N 138.10E 381–4 4.0 **¶12081819**
NIED I 20 01 23 00 32.20N 138.10E 380 4.4W
IDC I 20 01 23 00.9–1.1 32.16N 137.91E 350–10 3.6,3.6

MOS I 20 01 23 00.5–.75 32.14N 137.84E 360 4.1b,3.6
NEIC I 20 01 23 01.5–.50 32.10N 137.92E 357–5 4.4b,3.6
ISCJB I 20 01 23 01.3–.45 32.17N–.06 137.93E–.06 369–2 4.1b,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ87.00000°,λ61.00000°. NP2:ϕ_s92.00000°,δ29.00000°,λ173.00000°. M_o4.89000×10^{15}
NEIC Event type se.
ISCJB Event type se.
IDC I 20 16 46 18.4–.79 29.41N 141.49E 0 3.5,3.5
¶12081878
IDC Error ellipse: s-maj=30.1km s-min=16.6km az=79.0.
ISC I 21 15 13 47.1–.91 32.72N–.07 141.9E–.10 10 3.8b 25 2-57
ISCJB I 21 15 13 45.7–.70 32.70N–.06 141.9E–.10 10 3.7b **¶12081979**
IDC I 21 15 13 45.9–1.1 32.66N 141.86E 0 3.8,3.7b
JMA I 21 15 13 49.1–.30 32.79N 141.70E 17 3.4,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=5.7km az=155.0.
IDC Error ellipse: s-maj=34.8km s-min=17.0km az=77.0.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
ISC I 23 05 09 14.6–1.7 32.5N–.10 142.0E–.20 39 3.5b 9 2-53
JMA I 23 05 09 10.7–.40 32.55N 141.86E 0 3.7 **¶12082101**
ISCJB I 23 05 09 12.0–1.6 32.57N–.07 142.2E–.20 39 3.4b
IDC I 23 05 09 12.1–7.0 32.04N 141.17E 0 3.6,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=28.9km s-min=9.8km az=172.7.
IDC Error ellipse: s-maj=259.1km s-min=27.7km az=69.0.
ISC I 23 20 02 23.7–.97 33.12N–.10 138.21E–.09 341 3.0b 33 1-67
ISCJB I 23 20 02 21.3–.45 33.01N–.05 138.39E–.07 341 3.1b **¶12082159**
IDC I 23 20 02 22.4–1.1 32.98N 138.21E 315–18 3.1,3.0b
JMA I 23 20 02 23.0–.50 33.05N 138.08E 332–5 3.0,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.7km az=7.4.
IDC Error ellipse: s-maj=45.3km s-min=12.9km az=67.0.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISC I 26 17 46 10.8–1.3 30.0N–.10 139.4E–.20 443 3.3b 18 3-80
ISCJB I 26 17 46 10.4–.54 30.03N–.05 139.4E–.10 443 3.2b **¶12082393**
IDC I 26 17 46 10.9–1.4 29.95N 139.10E 419–16 3.0b,3.0
JMA I 26 17 46 11.1–.30 30.05N 139.56E 434–5 3.7,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.7km az=172.0.
IDC Error ellipse: s-maj=39.0km s-min=15.7km az=67.0.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
ISC I 28 04 15 26.9–.71 33.85N–.05 139.68E–.05 126–6 3.7b 49 0-118
ISCJB I 28 04 15 26.5–.42 33.92N–.04 139.68E–.05 134–2 3.6b **¶15536038**
IDC I 28 04 15 26.0–1.7 33.72N 139.52E 119–16 3.7,3.6
JMA I 28 04 15 27.8–.10 33.94N 139.70E 123–1 3.3,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.4km az=170.8.
IDC Error ellipse: s-maj=17.2km s-min=13.0km az=50.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC I 29 13 04 01.6–.72 30.25N–.07 138.8E–.10 421 3.3b 24 3-71
ISCJB I 29 13 04 01.0–.50 30.21N–.04 138.70E–.09 421 3.2b **¶12082666**
IDC I 29 13 04 02.0–.89 30.22N 138.83E 428–11 3.1,3.0
JMA I 29 13 04 03.6–.30 30.50N 139.08E 458 3.5,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.3km az=0.8.
IDC Error ellipse: s-maj=17.3km s-min=11.4km az=70.0.
JMA Error ellipse: s-maj=4.4km s-min=2.9km az=-1.0.
IDC I 30 15 37 12.4–3.6 30.98N 140.69E 0 3.5,3.3
¶12082746
IDC Error ellipse: s-maj=141.8km s-min=26.0km az=72.0.
ISC II 01 17 47 52.1–1.0 32.87N–.10 138.27E–.07 312–7 3.1b 39 1-95
ISCJB II 01 17 47 51.0–.68 32.82N–.08 138.33E–.07 318–4 3.0b **¶12699348**
JMA II 01 17 47 50.4–.40 32.81N 138.28E 328 2.9
IDC II 01 17 47 51.7–1.9 32.75N 138.11E 310–15 3.1,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=8.9km az=154.3.
JMA Error ellipse: s-maj=6.7km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=19.5km az=164.0.
ISC II 01 19 34 14.4–.98 29.93N–.08 139.3E–.20 388 2.9b 20 5-74
ISCJB II 01 19 34 13.3–.70 29.84N–.06 139.1E–.20 388 3.1b **¶12699353**
IDC II 01 19 34 15.9–2.5 30.00N 139.20E 415–32 2.9,2.9b
JMA II 01 19 34 16.9–.30 30.38N 139.50E 455 3.4,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.3km s-min=7.3km az=10.8.
IDC Error ellipse: s-maj=65.7km s-min=17.2km az=71.0.
JMA Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
ISC II 02 20 07 10.8–.59 32.22N–.05 137.79E–.04 377–4 4.4b 481 2-163
NIED II 02 20 07 00 32.20N 137.90E 380 4.6W **¶12699427**
JMA II 02 20 07 08.9–.30 32.22N 137.94E 398–3 4.3
IDC II 02 20 07 09.6–.89 32.17N 137.74E 362–8 4.0,4.0
MOS II 02 20 07 09.8–1.0 32.19N 137.69E 380 4.4b,4.0
BJI II 02 20 07 09.8 32.07N 137.65E 386 4.8b,4.5b
ISCJB II 02 20 07 10.9–.27 32.18N–.04 137.59E–.03 383–2 4.4b,4.5b
NEIC II 02 20 07 10.9–.49 32.14N 137.68E 378–5 4.6b,4.6W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ70.00000°,λ91.00000°. NP2:ϕ_s356.00000°,δ20.00000°,λ86.00000°. M_o8.69000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=11.0km s-min=8.3km az=93.0.
MOS Error ellipse: s-maj=9.4km s-min=6.3km az=107.3.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.6km az=163.2.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=142.0. Moment Tensor Solution. M_o8.70000×10^{15}
ISC II 04 10 50 12.8–.90 29.96N–.09 138.8E–.20 443 3.0b 14 4-54
ISCJB II 04 10 50 11.6–.66 29.89N–.06 138.6E–.10 443 2.9b **¶12699530**
JMA II 04 10 50 12.7–.10 30.03N 139.16E 470 3.2
IDC II 04 10 50 12.5–4.3 29.76N 138.21E 420–102 2.8,2.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=7.5km az=170.9.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=186.9km s-min=19.2km az=68.0.
ISC II 05 18 43 21.0–.83 30.15N–.10 137.3E–.10 517 3.2b 21 5-79
ISCJB II 05 18 43 19.7–.62 30.05N–.07 137.4E–.10 517 3.2b **¶12699618**
JMA II 05 18 43 19.2–.60 29.76N 138.03E 497 3.5
IDC II 05 18 43 21.4–1.6 29.97N 137.05E 516–19 3.0,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=8.0km az=20.7.
JMA Error ellipse: s-maj=7.8km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=26.5km s-min=12.9km az=87.0.
ISC II 05 21 59 28.5–1.5 31.10N–.09 143.2E–.10 30 3.3b 26 3-51
JMA II 05 21 59 26.9–.30 30.81N 142.71E 48 4.0 **¶12699627**
IDC II 05 21 59 27.8–4.7 30.55N 142.33E 0 3.4,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=160.6km s-min=19.4km az=74.0.
ISC II 07 03 39 49.4–.65 31.54N–.06 142.3E–.10 49 3.8b 45 3-122
IDC II 07 03 39 43.2–.86 31.54N 142.63E 0 3.9,3.9L **¶14150389**
JMA II 07 03 39 44.8–.20 31.56N 142.46E 35 4.1,3.9L
ISCJB II 07 03 39 46.9–.48 31.52N–.04 142.20E–.10 49 4.2s,3.8b
MOS II 07 03 39 46.4–1.3 31.71N 142.70E 33 4.2b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=20.0km az=84.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=3.6km az=161.4.
MOS Error ellipse: s-maj=30.3km s-min=12.7km az=104.7.
ISC II 07 06 12 30.9–1.2 32.42N–.09 141.9E–.10 39 3.3b 21 2-53
IDC II 07 06 12 25.4–1.4 32.26N 141.97E 0 3.5,3.3 **¶12699712**
ISCJB II 07 06 12 28.6–.97 32.39N–.07 141.9E–.10 39 3.3b,3.3
JMA II 07 06 12 29.0–.40 32.40N 141.85E 78 3.2,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=26.8km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=7.8km az=161.4.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
ISC II 08 21 09 25.6–1.1 29.21N–.07 141.3E–.20 46–15 3.7b 39 2-95
NIED II 08 21 09 00 29.20N 141.30E 77 4.2W **¶12699803**
IDC II 08 21 09 20.2–.69 29.17N 141.05E 0 4.1,4.1L
NEIC II 08 21 09 22.8–3.5 29.17N 141.03E 17–22 3.8b,4.1L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s322.00000°,δ71.00000°,λ95.00000°. NP2:ϕ_s127.00000°,δ19.00000°,λ76.00000°. M_o2.27000×10^{15}
IDC Error ellipse: s-maj=30.0km s-min=16.2km az=76.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=7.4km az=67.0.
ISC II 09 19 13 16.9–1.5 31.6N–.10 138.4E–.10 426–11 2.9b 28 2-72
ISCJB II 09 19 13 15.5–1.1 31.5N–.10 138.5E–.10 429–8 3.0b **¶12699865**
IDC II 09 19 13 15.7–5.8 31.39N 138.39E 415–26 2.9,2.8
JMA II 09 19 13 16.8–.30 31.57N 138.47E 428 3.2,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=13.4km az=42.1.
IDC Error ellipse: s-maj=92.3km s-min=27.3km az=129.0.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISC II 09 22 02 50.6–.88 32.0N–.10 142.6E–.20 35–4 3.6b 29 3-83
ISCJB II 09 22 02 49.8–1.5 32.14N–.08 142.5E–.10 49–13 3.6b **¶12699871**
JMA II 09 22 02 50.7–.40 32.16N 142.44E 86 3.5
IDC II 09 22 02 50.7–.89 32.05N 142.73E 41–8 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=11.5km az=152.8.
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=30.4km s-min=18.1km az=93.0.
ISC II 11 09 44 27.3–.59 32.77N–.05 138.27E–.05 313–5 4.1b 149 1-118
NIED II 11 09 44 00 32.80N 138.40E 320 4.2W **¶13434457**
JMA II 11 09 44 24.8–.30 32.78N 138.40E 331–3 4.2
NEIC II 11 09 44 26.6–.49 32.71N 138.19E 306–4 4.3b
ISCJB II 11 09 44 26.1–.33 32.76N–.04 138.27E–.04 317–2 4.0b
IDC II 11 09 44 26.3–.55 32.71N 138.17E 303–5 3.7,3.7
BJI II 11 09 44 26.6 32.82N 138.02E 315 4.6b,4.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s47.00000°,δ86.00000°,λ-79.00000°. NP2:ϕ_s157.00000°,δ12.00000°,λ-159.00000°. M_o1.93000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=6.3km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.5km az=150.7.
IDC Error ellipse: s-maj=10.8km s-min=8.5km az=69.0.
ISC II 12 12 29 49.9–.44 30.79N–.04 142.00E–.08 24 4.3b,3.9s 112 3-94
NIED II 12 12 29 00 30.80N 142.20E 5 4.4W,3.9s **¶12700260**
IDC II 12 12 29 46.3–.59 30.74N 142.09E 0 4.3,4.2
NEIC II 12 12 29 47.8–.29 30.78N 142.09E 10 4.8b,4.4W
JMA II 12 12 29 48.8–.10 30.81N 142.16E 46 4.3,4.4W
ISCJB II 12 12 29 48.1–.34 30.82N–.03 142.05E–.07 24 4.4b,4.0s
MOS II 12 12 29 49.9–1.1 30.84N 142.06E 39 4.5b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ58.00000°,λ91.00000°. NP2:ϕ_s353.00000°,δ32.00000°,λ89.00000°. M_o4.29000×10^{15}
IDC Error ellipse: s-maj=16.2km s-min=14.4km az=77.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.9km az=70.0. Moment Tensor Solution. M_o4.30000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.1km az=161.7.
MOS Error ellipse: s-maj=14.5km s-min=6.7km az=116.1.
JMA II 12 14 20 25.7–.50 31.18N 142.43E 83 3.5
¶15541653
JMA Error ellipse: s-maj=5.6km s-min=4.8km az=-1.0.
JMA II 12 18 53 12.9–.60 31.18N 141.30E 0 3.8
¶15541717
JMA Error ellipse: s-maj=5.6km s-min=4.8km az=-1.0.
ISC II 12 19 56 33.8–.86 30.79N–.06 142.1E–.10 37 3.6b 28 3-78
IDC II 12 19 56 29.1–.95 30.72N 142.11E 0 3.9,3.7 **¶12700371**
JMA II 12 19 56 29.6–.20 30.87N 142.65E 83 3.7,3.7
ISCJB II 12 19 56 31.3–.64 30.83N–.05 142.1E–.10 37 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC II 15 17 49 39.9–1.3 31.45N–.09 142.4E–.10 49 3.3b 22 3-55
IDC II 15 17 49 34.8–1.2 31.20N 142.32E 0 3.6,3.5 **¶12700820**
ISCJB II 15 17 49 38.3–.78 31.44N–.06 142.3E–.10 49 3.4b,3.5
JMA II 15 17 49 38.1–.50 31.61N 142.08E 0 4.0,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=19.9km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=7.3km az=153.8.
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
ISC II 17 10 24 00.7–.81 32.71N–.08 138.10E–.07 333–6 3.4b 47 1-95
NIED II 17 10 23 00 32.70N 138.20E 320 3.9W **¶12700996**
JMA II 17 10 23 58.6–.20 32.72N 138.21E 356 3.6
ISCJB II 17 10 23 59.9–.49 32.70N–.06 138.13E–.07 339–3 3.4b
IDC II 17 10 24 00.3–.69 32.65N 138.04E 328–7 3.4,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ89.00000°,λ-56.00000°. NP2:ϕ_s121.00000°,δ34.00000°,λ-177.00000°. M_o9.22000×10^{14}
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=9.1km az=150.8.
IDC Error ellipse: s-maj=16.4km s-min=11.3km az=66.0.
ISC II 18 11 05 59.1–.67 30.14N–.07 139.3E–.10 388 3.1b 20 3-82
ISCJB II 18 11 05 58.1–.53 30.11N–.04 139.1E–.10 388 3.2b **¶12701130**
JMA II 18 11 06 00.5–.20 30.24N 139.77E 399 3.2
IDC II 18 11 06 00.5–1.7 30.08N 138.87E 393–20 3.0,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=5.9km az=176.0.
JMA Error ellipse: s-maj=2.2km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=29.7km s-min=13.3km az=76.0.
ISC II 21 02 07 47.6–1.5 33.12N–.08 140.20E–.08 133–8 30 0-45
JMA II 21 02 07 47.7–.10 33.15N 140.19E 130–1 3.7 **¶12701386**
IDC II 21 02 07 48.0–2.2 33.11N 140.05E 127–6 3.5b,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=52.0km s-min=18.0km az=80.0.
ISC II 21 12 43 36.8–.43 31.56N–.05 138.07E–.04 389–3 4.2b 468 2-128
NIED II 21 12 43 00 31.60N 138.30E 400 4.4W **¶11713360**
BJI II 21 12 43 34.7 31.41N 138.12E 389 4.6b,4.4b
JMA II 21 12 43 34.1–.20 31.57N 138.31E 423 4.3,4.4b
MOS II 21 12 43 35.0–.89 31.53N 137.96E 388 4.1b,4.4b
ISCJB II 21 12 43 36.3–.29 31.56N–.03 137.88E–.03 388–2 4.1b,4.4b
IDC II 21 12 43 36.3–.60 31.53N 137.98E 384–5 3.8,3.8
NEIC II 21 12 43 37.6–.56 31.54N 137.91E 393–5 4.6b,4.3W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s342.00000°,δ73.00000°,λ-72.00000°. NP2:ϕ_s115.00000°,δ24.00000°,λ-135.00000°. M_o3.86000×10^{15}
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
MOS Error ellipse: s-maj=10.1km s-min=6.0km az=106.8.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=162.5.
IDC Error ellipse: s-maj=8.6km s-min=7.9km az=100.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.2km az=145.0. Moment Tensor Solution. M_o3.90000×10^{15}
ISC II 22 04 23 51.5–1.1 30.85N–.07 141.1E–.20 71 3.9b 17 3-121
IDC II 22 04 23 46.1–1.4 30.54N 140.09E 0 3.9,3.9 **¶12701487**
ISCJB II 22 04 23 51.2–.87 30.96N–.06 141.2E–.20 71 3.7b,3.9
JMA II 22 04 23 53.1–.20 31.36N 141.11E 0 4.2,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=66.7km s-min=28.4km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=22.1km s-min=7.5km az=165.5.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
JMA II 22 15 01 08.4–.20 32.03N 140.72E 13 3.8
¶15545407

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC II 25 23 57 03.1–2.9 30.37N 140.97E 0 3.5,3.3L
¶15957283

IDC Error ellipse: s-maj=82.3km s-min=28.7km az=75.0.
ISC II 27 02 46 26.8–.80 33.44N–.07 138.17E–.08 326–7 3.2b 40 1-156
JMA II 27 02 46 23.4–.20 33.38N 138.20E 351 3.4 **¶12701969**
ISCJB II 27 02 46 26.0–.49 33.39N–.06 138.08E–.09 328–4 3.2b
IDC II 27 02 46 26.7–.68 33.36N 138.20E 324–9 3.2,3.0
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=3.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=9.4km az=165.0.
IDC Error ellipse: s-maj=32.2km s-min=11.0km az=67.0.
ISC II 27 20 48 29.0–.68 29.31N–.06 139.50E–.09 410–7 3.9b 55 3-83
ISCJB II 27 20 48 28.4–.41 29.29N–.05 139.54E–.09 422–4 3.8b **¶12702046**
IDC II 27 20 48 28.6–.68 29.27N 139.36E 403–8 3.5,3.5
JMA II 27 20 48 29.1–.20 29.41N 139.97E 432–4 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.4km az=160.1.
IDC Error ellipse: s-maj=13.7km s-min=10.3km az=47.0.
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
ISC II 27 22 11 52.8–.49 29.40N–.06 141.1E–.10 67 4.1b 48 2-152
NIED II 27 22 11 00 29.50N 141.40E 59 3.9W **¶13435173**
ISCJB II 27 22 11 51.5–.36 29.38N–.04 141.0E–.10 67 4.0b
JMA II 27 22 11 52.6–.10 29.46N 141.35E 52 4.4
IDC II 27 22 11 53.6–1.9 29.34N 140.92E 70–17 3.9,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s262.00000°,δ88.00000°,λ-134.00000°. NP2:ϕ_s170.00000°,δ44.00000°,λ-3.00000°. $M_0$7.18000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=4.3km az=164.3.
JMA Error ellipse: s-maj=3.3km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=18.6km s-min=11.8km az=79.0.
ISC II 28 15 10 42.7–.91 33.47N–.06 138.86E–.08 244–7 3.1b 35 1-57
ISCJB II 28 15 10 41.4–.54 33.44N–.05 138.92E–.08 251–4 3.1b **¶12702114**
JMA II 28 15 10 41.4–.30 33.42N 138.91E 253–3 3.3
IDC II 28 15 10 41.4–1.1 33.34N 138.83E 228–21 3.1,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=8.1km az=160.1.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=57.9km s-min=12.4km az=65.0.
ISC III 01 02 21 37.4–.47 33.95N–.04 139.82E–.05 118–3 4.4b 188 0-119
NIED III 01 02 21 00 34.00N 139.80E 98 4.2W **¶12702159**
MOS III 01 02 21 35.7–.95 33.92N 139.89E 121 4.3b
ISCJB III 01 02 21 36.5–.28 33.97N–.03 139.86E–.05 125–1 4.4b
NEIC III 01 02 21 37.1–.52 33.95N 139.88E 116–4 4.5b,4.1W
IDC III 01 02 21 37.9–.83 33.91N 139.77E 122–7 4.1,4.0b
JMA III 01 02 21 38.1–.10 34.03N 139.83E 112–1 3.9,4.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ81.00000°,λ-122.00000°. NP2:ϕ_s303.00000°,δ33.00000°,λ-17.00000°. $M_0$1.99000×10^{15}
MOS Error ellipse: s-maj=14.0km s-min=5.9km az=118.3.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=161.1.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=72.0. Moment Tensor Solution. $M_0$2.00000×10^{15}
IDC Error ellipse: s-maj=17.4km s-min=10.6km az=68.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA III 01 21 48 13.5–.20 32.16N 140.73E 41 3.7
¶15547879

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA III 03 02 50 39.5–.20 30.56N 138.87E 465 3.6
¶15548207

JMA Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
ISC III 03 09 36 34.3–.72 30.13N–.06 139.04E–.09 425–7 3.8b 61 3-121
JMA III 03 09 36 32.3–.20 30.13N 139.30E 458 4.1 **¶13435452**
ISCJB III 03 09 36 33.3–.44 30.12N–.04 139.11E–.08 435–4 3.7b
IDC III 03 09 36 34.2–.78 30.06N 138.85E 423–8 3.6,3.5b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.9km az=169.4.
IDC Error ellipse: s-maj=13.5km s-min=9.0km az=73.0.
JMA III 06 04 02 28.2–.50 30.10N 139.19E 444 3.7
¶15549272

JMA Error ellipse: s-maj=5.6km s-min=5.8km az=-1.0.
ISC III 07 09 20 45.5–.59 31.60N–.06 142.36E–.10 49 3.8b 47 3-152
NIED III 07 09 20 00 31.80N 142.50E 8 3.9W **¶12702630**
JMA III 07 09 20 40.4–.30 31.81N 142.45E 0 4.4
ISCJB III 07 09 20 44.3–.57 31.71N–.06 142.36E–.09 49 3.8b,2.9s
IDC III 07 09 20 44.8–.80 31.60N 142.46E 37–6 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s143.00000°,δ79.00000°,λ-98.00000°. NP2:ϕ_s1.00000°,δ13.00000°,λ-52.00000°. $M_0$7.40000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=5.3km az=147.2.
IDC Error ellipse: s-maj=20.6km s-min=14.8km az=70.0.
JMA III 07 16 35 15.1–.30 31.58N 142.58E 46 4.0
¶15549831

JMA Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.
JMA III 07 18 25 04.9–.30 31.80N 142.49E 77 3.6
¶15549874

JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
IDC III 08 18 44 20.4–.87 30.89N 140.23E 0 3.9,3.7
¶12702748

IDC Error ellipse: s-maj=35.5km s-min=20.5km az=106.0.
ISC III 09 00 06 37.7–.60 32.17N–.07 138.08E–.06 371–4 4.0b 100 2-119
NIED III 09 00 06 00 32.20N 138.20E 400 4.1W **¶12702765**
NEIC III 09 00 06 35.1–1.3 32.10N 138.42E 375–10 3.9b
JMA III 09 00 06 35.2–.40 32.18N 138.16E 394–5 3.8
ISCJB III 09 00 06 36.6–.41 32.16N–.05 138.08E–.06 375–3 4.0b
IDC III 09 00 06 37.9–.59 32.15N 137.93E 364–5 3.6,3.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ86.00000°,λ-72.00000°. NP2:ϕ_s105.00000°,δ18.00000°,λ-167.00000°. $M_0$1.64000×10^{15}
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=15.9km az=83.0.
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=7.7km az=144.6.
IDC Error ellipse: s-maj=11.9km s-min=9.4km az=68.0.
ISC III 09 08 23 21.0–.98 33.28N–.05 140.07E–.07 147–8 3.3b 30 0-57
ISCJB III 09 08 23 19.6–.59 33.28N–.05 140.10E–.07 154–5 3.2b **¶12702783**
IDC III 09 08 23 19.9–1.5 33.10N 139.80E 125–30 3.2,3.1
JMA III 09 08 23 22.1–.20 33.37N 140.03E 141–2 3.4,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=7.2km az=164.5.
IDC Error ellipse: s-maj=125.0km s-min=11.2km az=68.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC III 09 13 21 49.5–1.5 31.97N–.09 142.8E–.20 86 19 3-56
IDC III 09 13 21 44.8–3.4 31.32N 141.55E 0 3.6,3.4b **¶12702799**
ISCJB III 09 13 21 47.6–1.1 32.00N–.06 142.9E–.20 86 3.5b,3.4b
JMA III 09 13 21 47.5–.70 31.90N 142.75E 73 3.5,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=140.4km s-min=27.2km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=7.3km az=165.4.
JMA Error ellipse: s-maj=6.7km s-min=6.6km az=-1.0.
ISC III 10 03 29 29.0–.96 32.76N–.10 137.90E–.08 369–8 3.3b 39 1-79
JMA III 10 03 29 24.4–.30 32.37N 138.02E 394 3.4 **¶12702842**
ISCJB III 10 03 29 27.9–.62 32.72N–.08 137.96E–.08 375–4 3.3b
IDC III 10 03 29 28.9–1.9 32.61N 137.78E 366–23 3.1,3.0b
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=8.3km az=140.7.
IDC Error ellipse: s-maj=52.2km s-min=13.7km az=73.0.
IDC III 13 01 39 34.7–1.1 30.87N 140.75E 0 3.9,3.9s
¶12703127

IDC Error ellipse: s-maj=42.1km s-min=27.4km az=98.0.
IDC III 13 01 46 21.3–1.4 31.22N 140.78E 0 4.0,3.6b
¶12703128

IDC Error ellipse: s-maj=63.1km s-min=26.6km az=100.0.
ISC III 13 21 06 11.6–.88 31.76N–.06 142.7E–.10 49 3.7b 27 3-122
IDC III 13 21 06 06.7–.97 31.63N 142.46E 0 3.8,3.7 **¶12703200**
JMA III 13 21 06 09.2–.30 31.79N 142.72E 98 3.5,3.7
ISCJB III 13 21 06 10.7–.77 31.85N–.06 142.6E–.10 49 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC III 14 06 45 37.2–1.1 30.88N 140.38E 0 3.9,3.6b
¶12703232

IDC Error ellipse: s-maj=66.9km s-min=20.7km az=103.0.
IDC III 16 01 58 04.8–1.4 31.15N 140.58E 0 3.7,3.4b
¶12703391

IDC Error ellipse: s-maj=71.3km s-min=29.0km az=97.0.
JMA III 16 21 26 57.4–.30 30.66N 140.04E 279 3.5
¶15553124

JMA Error ellipse: s-maj=3.3km s-min=7.7km az=-1.0.
ISC III 18 07 37 04.3–1.2 29.63N–.08 142.3E–.30 24 4.0b 17 3-84
NIED III 18 07 37 00 29.70N 142.30E 5 3.8W **¶12703571**
ISCJB III 18 07 37 03.1–.93 29.66N–.06 142.2E–.20 24 4.0b
JMA III 18 07 37 04.6–.20 29.73N 142.28E 50 3.8
IDC III 18 07 37 07.9–2.7 29.47N 141.80E 45–15 3.7b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ88.00000°,λ-75.00000°. NP2:ϕ_s271.00000°,δ15.00000°,λ-174.00000°. $M_0$5.87000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=31.2km s-min=5.5km az=166.7.
JMA Error ellipse: s-maj=1.1km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=127.3km s-min=8.4km az=75.0.
JMA III 18 14 49 36.8–.30 30.13N 139.60E 438–4 3.3
IDC III 18 14 48 52.6–4.9 30.26N 139.86E 0 3.9,3.7b **¶12703591**
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=182.2km s-min=32.3km az=66.0.
IDC III 18 15 48 30.1–2.5 31.38N 140.75E 0 3.5,3.4
¶12703596

IDC Error ellipse: s-maj=109.7km s-min=18.9km az=72.0.
ISC III 19 16 03 48.8–1.3 29.85N–.07 142.5E–.20 35 3.6b 28 3-54
IDC III 19 16 03 45.6–4.0 29.57N 142.11E 0 3.5,3.5b **¶12703696**
JMA III 19 16 03 46.7–.40 29.84N 142.48E 48 3.8,3.5b
ISCJB III 19 16 03 47.1–.90 29.88N–.06 142.4E–.20 35 3.6b,3.5b
ISC Event type ke.
ISCJB Event type ke.
IDC III 19 23 46 01.8–1.2 29.17N 142.33E 0 3.7,3.6L
¶12703748

IDC Error ellipse: s-maj=35.2km s-min=24.2km az=77.0.
JMA III 20 17 53 03.9–.50 32.36N 142.41E 0 3.7
¶15554800

JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
ISC III 20 23 20 44.9–.00 33.1N–.10 138.7E–.20 323–14 3.1b 18 1-53
JMA III 20 23 20 43.4–.10 32.96N 138.34E 313 2.9 **¶12703860**
IDC III 20 23 20 43.7–1.9 32.74N 138.01E 284–32 3.1b,3.1
ISCJB III 20 23 20 44.1–.80 33.1N–.10 138.8E–.20 335–13 3.1b,3.1
ISC Event type ke.
ISCJB Event type ke.
ISC III 21 00 51 22.4–1.1 31.9N–.10 142.7E–.10 44 3.8b 37 3-83
IDC III 21 00 51 14.6–2.9 31.33N 142.34E 0 3.9,3.8 **¶12635140**
JMA III 21 00 51 19.7–.40 32.20N 142.67E 0 3.7,3.8
NEIC III 21 00 51 20.3–.72 31.43N 142.20E 35 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=94.7km s-min=30.8km az=14.0.
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=12.5km az=55.0.
ISC III 21 02 00 22.0–.83 31.72N–.09 142.4E–.10 49 3.9b 49 3-122
IDC III 21 02 00 14.3–1.0 31.62N 142.69E 0 4.0,3.9 **¶12635144**
JMA III 21 02 00 18.4–.80 31.76N 142.49E 98 3.5,3.9
NEIC III 21 02 00 19.6–.63 31.58N 142.56E 35 4.3b,3.9
ISCJB III 21 02 00 20.4–.62 31.80N–.07 142.4E–.10 49 3.9b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
JMA III 21 13 34 51.5–.10 31.93N 140.75E 4 3.5
¶15555065

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC III 21 17 12 11.2–1.2 31.91N–.09 142.9E–.10 35 3.5b 19 3-148
IDC III 21 17 12 07.5–.88 31.72N 142.69E 0 3.7,3.6 **¶12635202**
JMA III 21 17 12 09.5–.40 31.87N 142.83E 23 3.9,3.6
ISCJB III 21 17 12 12.5–.81 32.00N–.08 142.69E–.09 35 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC III 21 18 10 27.8–1.2 31.79N–.08 142.6E–.10 44 3.4b 26 3-79
IDC III 21 18 10 21.8–1.8 31.58N 142.59E 0 3.5,3.5 **¶12635205**
JMA III 21 18 10 21.7–.20 31.69N 143.07E 43 3.6,3.5
ISCJB III 21 18 10 26.0–.83 31.84N–.06 142.61E–.09 44 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
JMA III 21 19 11 37.9–.60 31.91N 142.40E 0 3.6
¶15555183

JMA Error ellipse: s-maj=4.4km s-min=3.8km az=-1.0.
ISC III 21 21 15 40.9–.73 31.68N–.06 142.41E–.10 49 3.8b 39 3-148
IDC III 21 21 15 34.6–.79 31.69N 142.53E 0 3.9,3.8 **¶13436969**
JMA III 21 21 15 35.5–.50 31.85N 142.50E 0 4.0,3.8
ISCJB III 21 21 15 39.2–.57 31.85N–.05 142.52E–.08 49 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC III 21 22 37 11.1–2.9 31.60N–.05 142.44E–.09 15–19 3.6b 29 3-80
IDC III 21 22 37 08.6–.99 31.51N 142.54E 0 3.8,3.7b **¶12635232**
ISCJB III 21 22 37 10.3–1.9 31.72N–.05 142.55E–.09 23–14 3.7b,3.7b
JMA III 21 22 37 12.4–.40 31.73N 142.53E 89 3.5,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=17.0km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.8km az=150.6.
JMA Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
JMA III 22 19 51 17.9–.50 30.16N 139.64E 429 3.5
¶15555463

JMA Error ellipse: s-maj=6.7km s-min=7.7km az=-1.0.
ISC III 23 18 25 07.6–2.1 31.9N–.20 142.5E–.50 44 3.1b 7 3-56
ISCJB III 23 18 25 05.6–2.1 31.9N–.20 142.4E–.60 44 3.3b **¶12635405**
IDC III 23 18 25 07.6–3.9 31.30N 140.68E 0 3.4,3.2b
JMA III 23 18 25 10.0–.40 32.23N 142.43E 57 3.1,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=81.3km s-min=12.8km az=166.6.
IDC Error ellipse: s-maj=161.5km s-min=26.0km az=73.0.
JMA Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0.
ISC III 25 12 02 35.9–1.1 30.50N–.07 141.3E–.20 91 3.7b 25 3-79
ISCJB III 25 12 02 33.9–.60 30.38N–.05 141.1E–.20 91 3.6b **¶12635549**
IDC III 25 12 02 33.5–1.9 30.09N 140.17E 107–20 3.5,3.3b
JMA III 25 12 02 34.2–.10 30.34N 141.06E 86 4.0,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.0km s-min=4.6km az=165.1.
IDC Error ellipse: s-maj=36.9km s-min=13.8km az=72.0.
JMA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.
ISC III 25 13 13 52.5–.32 30.07N–.03 139.10E–.04 392–2 4.3b 544 3-154
NIED III 25 13 13 00 30.10N 139.50E 400 4.7W **¶12060874**
ISCJB III 25 13 13 50.9–.29 30.08N–.03 139.04E–.02 385–2 4.3b
MOS III 25 13 13 51.7–.92 30.10N 139.01E 400 4.3b
JMA III 25 13 13 51.1–.20 30.14N 139.50E 405–4 4.7
BJI III 25 13 13 51.6 30.10N 138.95E 392 4.9b,4.6b
NEIC III 25 13 13 52.4–.17 30.08N 139.06E 391 4.7W,4.6b
IDC III 25 13 13 52.8–.51 30.06N 139.01E 394–5 4.1,4.0
DJA III 25 13 13 53.2–1.9 30N–8.0 139E–11 402–28 5.3b,4.8b

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ64.00000°,λ-52.00000°. NP2:ϕ_s309.00000°,δ45.00000°,λ-142.00000°. $M_0$1.18000×10^{16}
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. $M_0$1.20000×10^{16}

ISC	**III**	**25 18 55 48.9–1.4**	**32.1N–.10**	**139.1E–.10**	**250**		**11**	**1-52**
JMA	III	25 18 55 48.3–.80	31.94N	139.12E	255	3.1		¶12635583
IDC	III	25 18 55 49.1–5.8	31.82N	138.22E	227–128	2.8,2.6b		

ISC Event type ke.
JMA Error ellipse: s-maj=8.9km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=248.9km s-min=24.7km az=63.0.

ISC	**III**	**26 01 59 16.8–1.1**	**32.3N–.10**	**142.1E–.20**	**39**	**3.5b**	**15**	**2-68**
IDC	III	26 01 59 11.4–.99	32.25N	142.02E	0	3.7s,3.7		¶12635604
JMA	III	26 01 59 12.6–.60	32.24N	142.13E	46	3.7,3.7		
ISCJB	III	26 01 59 14.6–.82	32.31N–.09	142.0E–.20	39	3.7s,3.5b		

ISC Event type ke.
ISCJB Event type ke.

ISC	**III**	**26 20 43 35.3–.86**	**31.77N–.05**	**140.11E–.08**	**126–7**	**4.0b**	**57**	**1-150**
ISCJB	III	26 20 43 34.1–.50	31.80N–.04	140.19E–.07	134–4	3.8b		¶13437388
IDC	III	26 20 43 34.8–.77	31.69N	139.81E	122–5	3.9,3.9		
JMA	III	26 20 43 36.4–.20	31.86N	140.14E	123–2	3.7,3.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.0km az=162.4.
IDC Error ellipse: s-maj=13.7km s-min=8.4km az=77.0.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.

ISC	**IV**	**03 00 00 44.8–1.4**	**32.1N–.10**	**142.0E–.10**	**29**	**3.6b**	**14**	**2-68**
IDC	IV	03 00 00 37.8–4.2	31.64N	142.11E	0	3.6,3.5		¶12934421
JMA	IV	03 00 00 40.7–.70	31.99N	142.05E	37	3.7,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=101.0km s-min=30.8km az=180.0.
JMA Error ellipse: s-maj=3.3km s-min=5.7km az=-1.0.

ISC	**IV**	**04 00 36 36.0–2.6**	**31.9N–.10**	**140.6E–.10**	**48–21**	**3.6b**	**30**	**1-82**
IDC	IV	04 00 36 36.5–2.3	31.75N	140.26E	48–20	3.6,3.4		¶12934522
ISCJB	IV	04 00 36 36.9–1.3	32.00N–.07	140.7E–.10	69–10	3.5b,3.4		
JMA	IV	04 00 36 39.5–.10	32.23N	140.75E	24	3.9,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=17.2km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=11.3km az=3.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA	**IV**	**04 10 03 35.9–.10**	**32.18N**	**140.66E**	**34**	**3.8**		
								¶15559303

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**IV**	**05 23 49 53.6–.89**	**29.67N–.06**	**140.20E–.08**	**3–5**	**4.5b,3.7s**	**356**	**3-151**
NIED	IV	05 23 49 00	29.90N	141.30E	32	4.6W,3.7s		¶12934528
IDC	IV	05 23 49 53.4–.57	29.73N	140.19E	0	4.4L,4.3		
ISCJB	IV	05 23 49 54.6–1.9	29.60N–.04	140.01E–.04	15–11	4.5b,3.8s		
NEIC	IV	05 23 49 56.0–2.3	29.72N	140.25E	17–14	4.6b,4.5W		
MOS	IV	05 23 49 56.6–1.0	29.69N	140.18E	33	4.9b,4.5W		
JMA	IV	05 23 49 58.5–.10	29.95N	141.29E	69	4.3,4.5W		
BJI	IV	05 23 50 22.6	30.44N	140.01E	250	4.9b,4.3b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ66.00000°,λ91.00000°. NP2:ϕ_s349.00000°,δ24.00000°,λ88.00000°. $M_0$8.02000×10^{15}
IDC Error ellipse: s-maj=19.5km s-min=16.0km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.1km az=138.1.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.6km az=54.0. Moment Tensor Solution. $M_0$8.00000×10^{15}
MOS Error ellipse: s-maj=14.4km s-min=6.8km az=111.6.
JMA Error ellipse: s-maj=2.2km s-min=7.7km az=-1.0.

ISC	**IV**	**06 14 12 01.8–.66**	**30.85N–.06**	**138.10E–.08**	**459–7**	**3.8b**	**77**	**3-81**
JMA	IV	06 14 12 00.0–.30	30.87N	138.08E	493	4.1		¶12742036
ISCJB	IV	06 14 12 01.5–.42	30.87N–.05	137.99E–.07	467–3	3.8b		
IDC	IV	06 14 12 02.1–.56	30.84N	137.97E	454–7	3.5,3.5		

ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.7km az=26.4.
IDC Error ellipse: s-maj=15.3km s-min=8.0km az=76.0.

ISC	**IV**	**06 15 52 22.1–.72**	**31.30N–.06**	**140.5E–.10**	**97**	**3.3b**	**27**	**2-94**
ISCJB	IV	06 15 52 20.5–.50	31.29N–.04	140.6E–.10	97	3.4b		¶12934634
IDC	IV	06 15 52 21.5–1.0	31.24N	140.33E	92–10	3.2,3.1		
JMA	IV	06 15 52 24.2–.20	31.54N	140.64E	109–4	3.3,3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=4.7km az=165.0.
IDC Error ellipse: s-maj=29.6km s-min=8.6km az=75.0.
JMA Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0.

ISC	**IV**	**07 05 23 37.9–1.1**	**32.01N–.10**	**139.01E–.09**	**298–7**	**3.6b**	**35**	**1-81**
IDC	IV	07 05 23 35.8–.68	31.70N	139.00E	288–7	3.3,3.3		¶12934747
JMA	IV	07 05 23 36.6–.40	31.99N	139.02E	304	3.3,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=22.8km s-min=10.1km az=68.0.
JMA Error ellipse: s-maj=5.6km s-min=2.8km az=-1.0.

ISC	**IV**	**07 12 01 38.9–.85**	**33.64N–.05**	**139.62E–.06**	**167–7**	**3.0b**	**35**	**0-57**
ISCJB	IV	07 12 01 38.5–.56	33.69N–.04	139.63E–.07	170–4	3.0b		¶12934718
IDC	IV	07 12 01 39.1–.93	33.73N	139.78E	162–4	3.2,3.1		
JMA	IV	07 12 01 40.2–.10	33.74N	139.62E	159–1	3.2,3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.4km az=159.8.
IDC Error ellipse: s-maj=34.5km s-min=9.7km az=74.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**IV**	**07 14 32 18.5–.52**	**32.33N–.05**	**141.89E–.07**	**46–4**	**4.3b**	**110**	**2-148**
NIED	IV	07 14 32 00	32.50N	141.80E	5	4.1W		¶12934712
JMA	IV	07 14 32 13.3–.40	32.47N	141.79E	0	3.9		
ISCJB	IV	07 14 32 13.6–1.4	32.37N–.04	141.95E–.06	22–10	4.2b		
NEIC	IV	07 14 32 18.8–.37	32.26N	141.80E	48	4.5b,4.0W		
IDC	IV	07 14 32 19.1–.54	32.27N	141.78E	48–4	3.9,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ64.00000°,λ77.00000°. NP2:ϕ_s198.00000°,δ29.00000°,λ115.00000°. $M_0$1.41000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.4km az=150.8.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.9km az=64.0. Moment Tensor Solution. $M_0$1.40000×10^{15}
IDC Error ellipse: s-maj=15.7km s-min=8.4km az=47.0.

ISC	**IV**	**08 21 14 38.9–.71**	**29.02N–.06**	**139.7E–.10**	**412–8**	**3.4b**	**64**	**3-89**
ISCJB	IV	08 21 14 38.1–.37	28.99N–.04	139.72E–.08	418–4	3.5b		¶12934776
JMA	IV	08 21 14 38.0–.20	29.06N	140.14E	442–4	3.7		
IDC	IV	08 21 14 38.6–.59	28.97N	139.65E	406–6	3.3,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.5km az=166.8.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=13.2km s-min=8.7km az=73.0.

ISC	**IV**	**10 09 34 06.3–.65**	**29.69N–.08**	**140.5E–.10**	**57**	**3.6b**	**25**	**3-95**
IDC	IV	10 09 33 59.1–.76	29.81N	140.36E	0	3.8,3.7		¶12934974
NIED	IV	10 09 34 00	30.10N	141.70E	5	3.9W,3.7		
ISCJB	IV	10 09 34 04.8–.47	29.71N–.06	140.5E–.10	57	3.5b,3.7		
JMA	IV	10 09 34 04.2–.10	30.07N	141.69E	82	3.8,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=28.9km s-min=17.7km az=86.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s299.00000°,δ76.00000°,λ-82.00000°. NP2:ϕ_s88.00000°,δ16.00000°,λ-119.00000°. $M_0$8.62000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=5.1km az=157.5.
JMA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.

IDC	**IV**	**10 17 41 55.9–10**	**31.80N**	**139.59E**	**0**	**3.5,3.2**		
								¶16152632

IDC Error ellipse: s-maj=396.4km s-min=31.3km az=65.0.

ISC	**IV**	**12 11 28 37.0–1.4**	**29.96N–.10**	**143.1E–.20**	**30**	**3.9b**	**25**	**5-57**
IDC	IV	12 11 28 33.7–4.3	29.68N	142.74E	0	3.6,3.5		¶12935099
JMA	IV	12 11 28 41.4–.40	30.33N	143.19E	63	3.6,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=163.1km s-min=21.0km az=71.0.
JMA Error ellipse: s-maj=4.4km s-min=6.7km az=-1.0.

ISC	**IV**	**12 17 15 12.0–.49**	**29.66N–.05**	**138.52E–.05**	**472–4**	**4.1b**	**149**	**4-152**
NIED	IV	12 17 15 00	29.80N	138.80E	520	4.5W		¶13438441
JMA	IV	12 17 15 10.7–.30	29.76N	138.84E	501–5	3.7		
ISCJB	IV	12 17 15 11.1–.30	29.67N–.03	138.53E–.05	478–3	4.1b		
MOS	IV	12 17 15 11.0–.87	29.66N	138.27E	473	4.2b		
IDC	IV	12 17 15 12.1–.67	29.67N	138.34E	468–7	3.7,3.7		
BJI	IV	12 17 15 13.9	29.70N	138.28E	508	4.8b,4.8b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ85.00000°,λ50.00000°. NP2:ϕ_s26.00000°,δ40.00000°,λ172.00000°. $M_0$6.46000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=160.6.
MOS Error ellipse: s-maj=12.6km s-min=6.7km az=100.4.
IDC Error ellipse: s-maj=9.5km s-min=6.7km az=103.0.

ISC	**IV**	**14 07 55 43.4–.51**	**30.68N–.06**	**142.63E–.09**	**24**	**4.0b**	**78**	**3-148**
NIED	IV	14 07 55 00	30.70N	142.70E	8	3.9W		¶12935262
IDC	IV	14 07 55 39.6–.65	30.63N	142.73E	0	4.1,4.0		
ISCJB	IV	14 07 55 41.9–.41	30.76N–.04	142.56E–.08	24	4.1b,3.1s		
JMA	IV	14 07 55 41.1–.30	30.67N	142.72E	49	4.6,3.1s		
NEIC	IV	14 07 55 44.9–.32	30.61N	142.66E	35	4.6b,3.9W		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s213.00000°,δ64.00000°,λ-62.00000°. NP2:ϕ_s342.00000°,δ37.00000°,λ-134.00000°. $M_0$8.85000×10^{14}
IDC Error ellipse: s-maj=18.6km s-min=15.7km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.3km az=155.0.
JMA Error ellipse: s-maj=2.2km s-min=6.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.0km az=77.0. Moment Tensor Solution. $M_0$8.90000×10^{14}

ISC	**IV**	**15 01 48 15.4–2.5**	**32.8N–.10**	**142.3E–.20**	**40**	**3.5b**	**14**	**2-49**
JMA	IV	15 01 48 12.0–.50	32.76N	142.30E	97	3.1		¶15414207
IDC	IV	15 01 48 46.6–35	34.40N	139.82E	132–120	3.0b,2.9		

ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=459.2km s-min=141.2km az=151.0.

ISC	**IV**	**19 13 31 24.3–2.2**	**32.89N–.08**	**140.45E–.08**	**32–13**	**3.5b**	**31**	**1-57**
NIED	IV	19 13 31 00	33.00N	140.30E	35	3.6W		¶12935659
IDC	IV	19 13 31 22.1–1.1	32.59N	139.69E	0	4.0L,3.7		
ISCJB	IV	19 13 31 24.8–.85	32.95N–.04	140.39E–.08	51–7	3.5b,3.7		
JMA	IV	19 13 31 26.6–.20	32.99N	140.30E	48–3	4.0,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s286.00000°,δ65.00000°,λ83.00000°. NP2:ϕ_s122.00000°,δ26.00000°,λ104.00000°. $M_0$3.13000×10^{14}
IDC Error ellipse: s-maj=45.0km s-min=15.1km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=6.9km az=6.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.7km az=-1.0.

JMA	**IV**	**27 04 29 32.8–.40**	**32.68N**	**142.22E**	**1**	**3.5**		
								¶15418373

JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.

ISC	**IV**	**27 12 44 08.2–.86**	**29.15N–.09**	**139.5E–.20**	**423**	**3.2b**	**17**	**3-75**
IDC	IV	27 12 44 08.9–2.8	29.07N	139.23E	425–34	3.1,3.0		¶12936289
JMA	IV	27 12 44 08.8–.10	29.16N	139.95E	444	3.8,3.0		

ISC Event type ke.
IDC Error ellipse: s-maj=59.2km s-min=16.8km az=75.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.

JMA	**IV**	**27 22 31 28.4–.60**	**31.94N**	**142.74E**	**13**	**3.9**		
								¶15418576

JMA Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.

ISC	**IV**	**29 10 04 20.8–1.4**	**32.01N–.09**	**140.7E–.10**	**73**		**14**	**1-56**
IDC	IV	29 10 04 15.4–2.1	31.49N	140.01E	0	3.3,3.2b		¶12936435
ISCJB	IV	29 10 04 19.4–1.0	32.00N–.06	140.7E–.10	73	3.3b,3.2b		
JMA	IV	29 10 04 22.2–.20	32.13N	140.74E	33	3.4,3.2b		

ISC Event type ke.
IDC Error ellipse: s-maj=173.9km s-min=20.9km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=7.8km az=170.6.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

ISC	**IV**	**30 11 59 11.0–1.4**	**32.43N–.08**	**142.0E–.10**	**10**	**3.7b**	**29**	**2-56**
NIED	IV	30 11 59 00	32.50N	141.80E	5	3.7W		¶12936506
ISCJB	IV	30 11 59 10.8–.98	32.48N–.05	141.83E–.07	10	3.5b		
IDC	IV	30 11 59 11.5–3.0	32.09N	141.37E	0	3.6,3.5		
JMA	IV	30 11 59 11.2–.20	32.51N	141.78E	5	3.5,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ72.00000°,λ114.00000°. NP2:ϕ_s132.00000°,δ29.00000°,λ38.00000°. $M_0$3.84000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=7.3km az=6.2.
IDC Error ellipse: s-maj=97.7km s-min=18.1km az=62.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

ISC	**V**	**01 14 23 50.4–1.5**	**30.19N–.09**	**139.4E–.20**	**388**	**3.0b**	**24**	**3-54**
JMA	V	01 14 23 48.9–.30	30.23N	139.54E	429–4	3.4		¶13678180
IDC	V	01 14 23 49.2–1.7	30.17N	139.09E	403–82	2.8,2.7		
ISCJB	V	01 14 23 50.5–.82	30.15N–.06	139.2E–.10	388	3.0b,2.7		

ISC Event type ke.
ISCJB Event type ke.

ISC	**V**	**04 19 12 15.6–1.0**	**30.21N–.06**	**140.11E–.08**	**178–9**	**3.4b**	**52**	**3-151**
JMA	V	04 19 12 14.0–.10	30.13N	140.17E	213	4.1		¶13678350
ISCJB	V	04 19 12 14.9–.51	30.22N–.04	140.17E–.07	182–5	3.5b		
IDC	V	04 19 12 15.9–1.7	30.19N	139.69E	180–14	3.5,3.3		

ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.1km az=170.3.
IDC Error ellipse: s-maj=22.2km s-min=13.8km az=118.0.

JMA	**V**	**05 02 22 31.3**	**32.06N**	**140.56E**	**18**	**3.7**		
								¶15421633

ISC	**V**	**05 17 24 32.9–1.2**	**32.32N–.08**	**140.45E–.08**	**113–8**	**3.7b**	**50**	**1-120**
IDC	V	05 17 24 32.6–1.1	32.26N	140.36E	110–6	3.7,3.5		¶13678400
ISCJB	V	05 17 24 32.7–.84	32.38N–.06	140.42E–.07	122–5	3.8b,3.5		
JMA	V	05 17 24 34.3–.30	32.40N	140.49E	106–3	3.7,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=16.9km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=7.9km az=40.8.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.

JMA	**V**	**06 06 56 29.9–.50**	**31.00N**	**141.73E**	**94**	**3.5**		
								¶15422133

JMA Error ellipse: s-maj=4.4km s-min=5.7km az=-1.0.

ISC	**V**	**07 09 42 53.0–1.2**	**33.31N–.05**	**140.56E–.07**	**50–10**	**3.8b**	**43**	**1-119**
IDC	V	07 09 42 52.5–2.6	33.29N	140.65E	48–19	3.7,3.6		¶13678490
ISCJB	V	07 09 42 52.3–.67	33.34N–.03	140.54E–.06	59–5	3.7b,3.6		
JMA	V	07 09 42 53.0–.10	33.36N	140.54E	49–4	3.8,3.6		
NIED	V	07 09 43 00	33.40N	140.50E	41	3.7W,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=45.7km s-min=13.4km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.3km az=12.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ83.00000°,λ-28.00000°. NP2:ϕ_s316.00000°,δ62.00000°,λ-172.00000°. $M_0$4.18000×10^{14}

ISC	**V**	**08 20 58 05.5–.81**	**31.12N–.07**	**138.62E–.07**	**400–6**	**4.1b**	**110**	**2-152**
NIED	V	08 20 58 00	31.00N	139.00E	440	4.2W		¶13678574
JMA	V	08 20 58 02.6–.30	31.03N	138.96E	425–4	3.6		
BJI	V	08 20 58 02.4	30.69N	138.76E	419	4.5b,4.2b		
MOS	V	08 20 58 03.8–.94	31.01N	138.46E	396	4.2b,4.2b		
ISCJB	V	08 20 58 04.0–.45	31.06N–.05	138.63E–.07	402–3	4.0b,4.2b		
IDC	V	08 20 58 04.4–.61	31.03N	138.50E	386–6	3.5,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ61.00000°,λ-58.00000°. NP2:ϕ_s129.00000°,δ42.00000°,λ-135.00000°. $M_0$2.13000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
MOS Error ellipse: s-maj=13.3km s-min=7.1km az=111.1.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.1km az=28.2.
IDC Error ellipse: s-maj=12.3km s-min=8.7km az=87.0.

ISC	**V**	**08 22 15 07.3–3.6**	**33.00N–.07**	**141.71E–.09**	**10–23**		**19**	**2-53**
IDC	V	08 22 15 07.0–2.4	32.83N	141.59E	0	3.3,3.3b		¶13678581
JMA	V	08 22 15 08.5–.20	32.99N	141.70E	16	3.2,3.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=50.5km s-min=24.7km az=50.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC V 10 09 19 47.8–4.6 32.6N–.20 142.6E–.20 96–56 14 2-64
IDC V 10 09 19 45.1–3.3 31.94N 141.49E 0 3.6,3.6b **¶13678666**
JMA V 10 09 19 46.5–.40 32.54N 142.50E 96 3.0,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=109.9km s-min=21.1km az=60.0.
JMA Error ellipse: s-maj=3.3km s-min=5.6km az=-1.0.
JMA V 10 11 00 31.6–.50 30.95N 141.28E 0 3.8
¶15423656
JMA Error ellipse: s-maj=4.4km s-min=4.8km az=-1.0.
ISC V 10 14 25 16.9–.95 32.16N–.06 141.79E–.09 21–8 4.0b 37 2-73
NIED V 10 14 25 00 32.30N 142.00E 5 3.8W **¶13678684**
JMA V 10 14 25 12.2–.40 32.27N 142.01E 9 3.8
IDC V 10 14 25 13.4–.88 32.09N 141.72E 0 4.0,3.8
ISCJB V 10 14 25 13.5–1.7 32.20N–.04 141.97E–.08 23–14 3.9b,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ48.00000°,λ66.00000°. NP2:ϕ_s23.00000°,δ47.00000°,λ114.00000°. $M_0$5.16000×10^{14}
ISCJB Event type ke.
ISC V 10 23 19 06.3–1.1 32.65N–.08 141.68E–.08 31 3.6b 27 2-56
NIED V 10 23 19 00 32.80N 141.70E 5 3.7W **¶13678715**
IDC V 10 23 19 01.8–1.2 32.61N 141.73E 0 3.7,3.6
JMA V 10 23 19 02.6–.30 32.79N 141.66E 0 3.5,3.6
ISCJB V 10 23 19 03.8–.76 32.66N–.05 141.82E–.07 31 3.7b,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s343.00000°,δ61.00000°,λ44.00000°. NP2:ϕ_s228.00000°,δ53.00000°,λ142.00000°. $M_0$3.37000×10^{14}
ISCJB Event type ke.
ISC V 14 10 02 31.3–1.2 33.4N–.10 138.2E–.10 343–14 19 1-57
JMA V 14 10 02 25.3–.40 32.79N 138.19E 366 3.4 **¶13678930**
IDC V 14 10 02 26.8–9.5 32.67N 136.85E 236–187 3.0,2.9b
ISCJB V 14 10 02 30.4–.77 33.4N–.10 138.3E–.10 352–13 3.0b,2.9b
ISC Event type ke.
ISCJB Event type ke.
ISC V 15 07 30 31.1–3.0 32.1N–.10 141.2E–.10 45–30 23 2-52
NIED V 15 07 30 00 32.30N 141.20E 47 3.6W **¶13678979**
JMA V 15 07 30 29.7–.30 32.28N 141.23E 13 3.7
ISCJB V 15 07 30 31.5–1.3 32.20N–.06 141.2E–.10 68–14 3.7b
IDC V 15 07 30 32.0–4.7 32.01N 140.96E 44–55 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ82.00000°,λ-49.00000°. NP2:ϕ_s90.00000°,δ41.00000°,λ-168.00000°. $M_0$2.89000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=10.7km az=177.5.
IDC Error ellipse: s-maj=121.3km s-min=29.8km az=65.0.
ISC V 16 18 54 52.6–.59 30.33N–.05 138.56E–.05 435–5 4.2b 209 3-152
DJA V 16 18 54 16.2–1.5 30N–10 138E–22 10 5.1,5.1b **¶13065854**
JMA V 16 18 54 50.0–.30 30.38N 139.01E 473–4 4.4,5.1b
ISCJB V 16 18 54 51.9–.32 30.37N–.03 138.59E–.04 439–2 4.2b,5.1b
IDC V 16 18 54 52.4–.66 30.38N 138.51E 429–6 3.9,3.9
BJI V 16 18 54 52.2 30.36N 138.48E 434 5.0b,4.6b
NEIC V 16 18 54 53.1–.47 30.36N 138.49E 438–5 4.3b,4.6b
ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.3km az=39.7.
IDC Error ellipse: s-maj=9.8km s-min=7.2km az=107.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.8km az=129.0.
ISC V 17 22 12 59.9–.50 29.82N–.07 140.26E–.06 35 4.2b,3.5s 86 3-151
IDC V 17 22 12 54.3–.58 30.10N 139.93E 0 4.2,4.1 **¶12838167**
ISCJB V 17 22 12 58.0–.37 29.84N–.05 140.15E–.06 33 4.2b,3.5s
BJI V 17 22 13 00.2 29.90N 140.10E 45 4.7b,4.3s
NEIC V 17 22 13 01.2–1.8 29.93N 140.09E 45–15 4.3b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=16.5km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=7.4km az=157.6.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.8km az=141.0.
JMA V 18 07 56 03.4–.70 31.73N 142.48E 36 3.5
¶15426348
JMA Error ellipse: s-maj=6.7km s-min=3.8km az=-1.0.
JMA V 18 14 26 47.7–.50 32.25N 141.93E 29 3.6
¶15426432
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
IDC V 18 23 43 03.2–3.2 30.45N 141.33E 0 3.9,3.8b
NIED V 18 23 43 00 30.90N 141.90E 5 3.6W,3.8b **¶13679209**
IDC Error ellipse: s-maj=177.3km s-min=18.2km az=77.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ76.00000°,λ-72.00000°. NP2:ϕ_s346.00000°,δ23.00000°,λ-141.00000°. $M_0$3.11000×10^{14}
ISC V 19 00 15 04.7–.58 29.03N–.06 140.7E–.20 90 3.7b 32 2-152
ISCJB V 19 00 15 03.0–.47 29.04N–.05 140.7E–.10 90 3.7b **¶13679211**
IDC V 19 00 15 03.6–2.6 29.00N 140.67E 78–23 3.7,3.6
JMA V 19 00 15 04.0–.10 29.34N 142.07E 88 3.9,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.8km s-min=4.2km az=161.8.
IDC Error ellipse: s-maj=26.7km s-min=14.2km az=93.0.
JMA Error ellipse: s-maj=1.1km s-min=5.8km az=-1.0.
ISC V 19 22 37 49.2–.81 30.08N–.07 139.8E–.10 50 3.7b 19 3-151
NIED V 19 22 37 00 30.50N 141.70E 14 4.0W **¶13679265**
JMA V 19 22 37 44.2–.10 30.47N 141.71E 0 4.0
IDC V 19 22 37 51.1–2.6 30.20N 139.66E 68–24 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ52.00000°,λ-89.00000°. NP2:ϕ_s344.00000°,δ38.00000°,λ-91.00000°. $M_0$1.22000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=28.1km s-min=15.9km az=98.0.
ISC V 20 11 34 47.0–1.1 31.09N–.09 138.9E–.20 394 2.8b 24 2-55
IDC V 20 11 34 44.8–6.4 30.55N 137.98E 334–153 2.8,2.7 **¶13679306**
ISCJB V 20 11 34 45.9–.76 31.00N–.07 138.8E–.20 394 2.7b,2.7
JMA V 20 11 34 48.4–.20 31.17N 139.07E 397 3.3,2.7
ISC Event type ke.
IDC Error ellipse: s-maj=277.3km s-min=20.3km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=22.8km s-min=7.8km az=12.6.
JMA Error ellipse: s-maj=3.3km s-min=6.7km az=-1.0.
ISC V 21 02 53 04.2–2.9 31.76N–.08 141.2E–.10 2–14 3.8b 25 2-79
IDC V 21 02 53 00.9–1.3 31.20N 141.12E 0 3.7,3.7 **¶13439733**
NIED V 21 02 53 00 31.80N 141.10E 77 3.8W,3.7
JMA V 21 02 53 08.7–.20 31.85N 141.09E 0 3.5,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=26.4km az=70.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s157.00000°,δ60.00000°,λ-51.00000°. NP2:ϕ_s278.00000°,δ48.00000°,λ-138.00000°. $M_0$6.09000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC V 22 06 59 34.7–.83 30.37N–.08 138.9E–.20 422–12 3.5b 37 3-82
ISCJB V 22 06 59 33.9–.49 30.34N–.06 138.8E–.20 425–9 3.4b **¶13679409**
JMA V 22 06 59 34.8–.30 30.41N 139.05E 430 3.6
IDC V 22 06 59 35.7–1.5 30.36N 138.60E 419–18 3.2,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.4km s-min=8.8km az=164.9.
JMA Error ellipse: s-maj=3.3km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=40.6km s-min=17.5km az=71.0.
ISC V 23 15 38 28.6–2.2 29.59N–.05 141.42E–.07 11–13 4.4b,3.5s 147 3-150
NIED V 23 15 38 00 29.60N 141.90E 47 4.4W,3.5s **¶13193097**
IDC V 23 15 38 26.8–.53 29.59N 141.46E 0 4.2,4.2
ISCJB V 23 15 38 29.6–1.1 29.56N–.02 141.36E–.06 31–8 4.3b,3.4s
JMA V 23 15 38 30.6–.10 29.65N 141.85E 53 4.4,3.4s
MOS V 23 15 38 31.9–1.1 29.92N 141.36E 33 4.5b,3.4s
NEIC V 23 15 38 32.1–.32 29.61N 141.40E 35 4.7b,4.3W
BJI V 23 15 38 37.8 29.77N 141.09E 89 4.5b,4.3b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s163.00000°,δ79.00000°,λ-79.00000°. NP2:ϕ_s298.00000°,δ16.00000°,λ-134.00000°. $M_0$3.80000×10^{15}
IDC Error ellipse: s-maj=16.5km s-min=12.9km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=3.3km az=169.3.
JMA Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.
MOS Error ellipse: s-maj=14.5km s-min=6.7km az=108.4.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.3km az=123.0. Moment Tensor Solution. $M_0$3.80000×10^{15}
ISC V 24 13 13 37.6–.87 32.11N–.08 138.52E–.08 335–7 3.2b 40 1-80
NIED V 24 13 13 00 32.20N 138.70E 280 3.7W **¶13679547**
ISCJB V 24 13 13 36.2–.52 32.05N–.06 138.55E–.09 341–4 3.2b
IDC V 24 13 13 36.9–.71 31.94N 138.28E 327–7 3.1,3.0
JMA V 24 13 13 37.2–.20 32.21N 138.70E 349 3.6,3.0
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s333.00000°,δ74.00000°,λ-119.00000°. NP2:ϕ_s217.00000°,δ33.00000°,λ-30.00000°. $M_0$4.32000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=9.1km az=161.2.
IDC Error ellipse: s-maj=17.8km s-min=11.2km az=76.0.
JMA Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
ISC V 24 23 08 45.2–1.1 29.61N–.08 141.6E–.30 46 3.6b 20 3-84
IDC V 24 23 08 41.3–2.9 29.33N 140.66E 0 3.6,3.6 **¶13679589**
JMA V 24 23 08 41.7–.10 29.66N 141.77E 19 3.9,3.6
ISCJB V 24 23 08 43.3–.70 29.68N–.06 141.7E–.20 46 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC V 25 07 31 06.3–1.3 33.54N–.06 140.86E–.08 62–16 18 1-57
IDC V 25 07 30 59.5–2.7 33.32N 141.25E 0 3.8,3.7b **¶13679607**
ISCJB V 25 07 31 05.2–.97 33.51N–.05 140.9E–.10 70–11 3.8b,3.7b
JMA V 25 07 31 05.7–.20 33.55N 140.91E 53 2.8,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=54.0km s-min=28.1km az=43.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=6.9km az=14.9.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC V 25 07 31 13.8–3.5 33.18N 140.58E 0 3.7,3.6b
¶16156138
IDC Error ellipse: s-maj=144.1km s-min=34.4km az=74.0.
JMA V 26 11 44 21.6 29.38N 141.58E 135 3.7
¶15429380
JMA Error ellipse: s-maj=1.1km s-min=5.8km az=-1.0.
JMA V 30 11 17 14.6 29.37N 141.46E 155 3.8
¶15430687
JMA Error ellipse: s-maj=2.2km s-min=7.8km az=-1.0.
ISC V 30 23 06 16.8–.83 33.30N–.07 138.16E–.08 332–7 3.6b 41 1-71
JMA V 30 23 06 14.6–.50 33.18N 138.17E 344–4 3.5 **¶13680004**
ISCJB V 30 23 06 15.7–.52 33.27N–.06 138.19E–.07 337–4 3.4b
IDC V 30 23 06 17.0–.57 33.18N 138.16E 335–10 3.3,3.2
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=9.1km az=12.7.
IDC Error ellipse: s-maj=32.5km s-min=9.8km az=69.0.
JMA V 31 00 53 10.6–.20 31.11N 140.06E 204–2 3.5
¶15430931
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISC V 31 18 40 12.0–1.2 32.6N–.10 138.29E–.08 365 3.5b 30 1-80
JMA V 31 18 40 08.4–.30 32.47N 138.22E 384 3.3 **¶13680054**
ISCJB V 31 18 40 11.4–.49 32.65N–.07 138.31E–.08 365 3.3b
IDC V 31 18 40 12.2–.61 32.48N 138.04E 334–7 3.2,3.1
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=8.7km az=149.3.
IDC Error ellipse: s-maj=16.8km s-min=11.3km az=68.0.
ISC V 31 22 12 01.0–1.0 32.97N–.08 139.45E–.09 199–8 3.3b 21 0-72
ISCJB V 31 22 11 59.8–.75 32.96N–.07 139.5E–.10 204–6 3.1b **¶13680063**
IDC V 31 22 12 00.4–1.6 33.04N 139.94E 204–5 3.1,3.0b
JMA V 31 22 12 01.0–.40 33.02N 139.45E 195–4 3.2,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=11.5km az=176.2.
IDC Error ellipse: s-maj=79.1km s-min=22.5km az=74.0.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISC VI 02 05 53 57.5–1.2 33.4N–.10 138.4E–.10 336–12 2.9b 28 2-53
ISCJB VI 02 05 53 56.6–.80 33.4N–.10 138.5E–.10 342–10 2.8b **¶13680196**
IDC VI 02 05 53 56.1–3.0 33.13N 137.98E 302–77 2.9,2.8b
JMA VI 02 05 53 56.6–.50 33.24N 138.35E 328–5 3.4,2.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.1km s-min=14.4km az=144.9.
IDC Error ellipse: s-maj=175.1km s-min=21.8km az=64.0.
JMA Error ellipse: s-maj=5.6km s-min=3.7km az=-1.0.
ISC VI 05 05 27 24.1–.80 32.57N–.08 137.93E–.06 350–6 3.8b 56 1-95
MOS VI 05 05 27 22.6–.92 32.46N 137.85E 355 4.1b **¶13439928**
ISCJB VI 05 05 27 23.5–.52 32.58N–.07 137.93E–.06 356–3 3.7b
JMA VI 05 05 27 23.5–.20 32.63N 138.03E 360 3.3
IDC VI 05 05 27 24.0–.70 32.53N 137.87E 350–5 3.5,3.4
ISC Event type ke.
MOS Error ellipse: s-maj=23.0km s-min=11.8km az=92.2.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=8.0km az=162.6.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=14.0km s-min=13.1km az=46.0.
ISC VI 07 03 03 55.3–1.1 33.17N–.09 139.47E–.07 189 3.4b 26 0-71
IDC VI 07 03 03 51.3–7.2 32.99N 139.23E 140–80 3.8s,3.8 **¶13680758**
ISCJB VI 07 03 03 54.0–.77 33.15N–.08 139.48E–.07 189 3.4b,3.8
JMA VI 07 03 03 54.5–.30 33.20N 139.48E 189–3 3.5,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=76.0km s-min=24.2km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=8.1km az=160.9.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC VI 09 12 26 14.2–1.7 32.5N–.20 138.04E–.09 385–10 30 2-47
IDC VI 09 12 26 10.3–11 32.00N 138.26E 384–26 2.8b,2.6 **¶13681045**
JMA VI 09 12 26 11.8–.40 32.21N 138.13E 388 3.3,2.6
ISCJB VI 09 12 26 13.0–1.2 32.5N–.10 138.1E–.10 392–8 2.9b,2.6
ISC Event type ke.
ISCJB Event type ke.
ISC VI 09 20 46 11.1–.65 29.65N–.06 138.64E–.07 479–6 4.0b 106 4-121
NIED VI 09 20 46 00 29.70N 138.90E 480 4.3W **¶13681074**
MOS VI 09 20 46 10.2–.84 29.61N 138.39E 478 4.0b
ISCJB VI 09 20 46 10.3–.36 29.61N–.04 138.65E–.06 487–3 3.9b
JMA VI 09 20 46 10.0–.10 29.67N 138.86E 503 4.2
BJI VI 09 20 46 11.0 29.50N 138.44E 499 4.6b,4.5b
IDC VI 09 20 46 11.8–.79 29.68N 138.50E 481–8 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s250.00000°,δ88.00000°,λ-68.00000°. NP2:ϕ_s345.00000°,δ22.00000°,λ-174.00000°. $M_0$3.42000×10^{15}
MOS Error ellipse: s-maj=20.1km s-min=8.1km az=106.9.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.3km az=168.9.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=16.5km s-min=9.2km az=77.0.
ISC VI 10 05 19 32.0–.77 30.57N–.07 138.9E–.10 423–9 3.6b 43 3-82
JMA VI 10 05 19 30.7–.20 30.62N 139.05E 453 3.7 **¶13681096**
ISCJB VI 10 05 19 31.4–.45 30.57N–.06 138.9E–.10 433–5 3.7b
IDC VI 10 05 19 32.5–.81 30.62N 138.72E 420–9 3.3,3.2
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=7.8km az=161.4.
IDC Error ellipse: s-maj=21.8km s-min=12.3km az=79.0.
JMA VI 16 19 44 42.0–.10 30.09N 141.33E 44 4.0
¶15437460
JMA Error ellipse: s-maj=2.2km s-min=7.7km az=-1.0.
ISC VI 17 05 56 24.0–.84 30.11N–.07 138.9E–.10 432–10 3.3b 31 3-96
ISCJB VI 17 05 56 22.1–.58 30.00N–.05 138.7E–.10 421–7 3.4b **¶13681516**
JMA VI 17 05 56 23.9–.20 30.22N 139.50E 445 3.9
IDC VI 17 05 56 24.2–.93 30.03N 138.61E 429–11 3.3,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=7.6km az=167.2.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.

IDC Error ellipse: s-maj=23.2km s-min=11.8km az=103.0.
ISC VI 17 14 52 36.1–.78 31.45N–.07 138.37E–.08 418–8 2.9b 44 2-55
ISCJB VI 17 14 52 35.4–.45 31.45N–.05 138.39E–.07 428–5 2.9b **¶13681543**
JMA VI 17 14 52 36.0–.30 31.45N 138.36E 427–4 3.4
IDC VI 17 14 52 36.9–.80 31.49N 138.17E 413–15 2.7,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.6km az=155.4.
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=33.4km s-min=15.7km az=58.0.
ISC VI 18 06 21 05.4–.36 31.36N–.03 141.81E–.03 34–0 5.0s,5.0b 601 2-163
IDC VI 18 06 20 59.5–.38 31.23N 141.82E 0 4.9,4.9 **¶13197395**
NIED VI 18 06 21 00 31.30N 142.10E 5 5.1W,4.9
JMA VI 18 06 21 00.7–.20 31.32N 142.11E 38 5.4,4.9
BJI VI 18 06 21 02.9 31.35N 141.85E 41 5.2s,5.1b
ISCJB VI 18 06 21 04.4–.15 31.32N–.02 141.74E–.02 37 5.0s,5.0b
MOS VI 18 06 21 05.4–.89 31.67N 141.77E 33 5.2b,4.9s
GCMT VI 18 06 21 05.6–.20 31.18N 142.04E 12 5.1W,4.9s
NEIC VI 18 06 21 06.0–.38 31.30N 141.75E 39–3 5.0b,5.0W
DJA VI 18 06 21 13.5–2.4 31N–10 142E–13 89–22 5.7b,5.2b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ61.00000°,λ119.00000°. NP2:ϕ_s183.00000°,δ40.00000°,λ49.00000°. $M_0$4.57000×10^{16}
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s55,c77; s94,c159; Moment tensor: Scale 10^{16}Nm; M_{rr}4.92±.10 $M_{\theta\theta}$-0.33±.10; $M_{\phi\phi}$-4.59±.10; $M_{r\theta}$2.97±.35; $M_{\theta\phi}$-1.20±.09; $M_{\phi r}$3.33±.29; Best double couple: NP1:ϕ_s180.00000°,δ27.00000°,λ62.00000°. NP2:ϕ_s32.00000°,δ66.00000°,λ104.00000°. Principal axes: T 6.8600,Plg66.0000° ,Azm326.0000°; N -0.4700,Plg13.0000°,Azm206.0000°; P -6.3900,Plg20.0000° ,Azm111.0000° $M_0$6.60000×10^{16}
NEIC Event type se. Moment Tensor Solution. $M_0$4.60000×10^{16}
JMA VI 20 02 11 38.4–.10 29.68N 140.50E 222 3.9
¶15438736
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
ISC VI 20 16 12 45.4–.93 32.50N–.06 137.88E–.04 26–6 3.4b 41 1-80
ISCJB VI 20 16 12 43.0–1.7 32.51N–.04 137.89E–.04 22–14 3.4b **¶13681730**
JMA VI 20 16 12 43.6–.10 32.50N 137.91E 72 3.4
IDC VI 20 16 12 45.7–.83 32.47N 138.09E 25–6 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.3km az=30.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.9km s-min=15.9km az=99.0.
JMA VI 23 01 12 36.9–.30 31.37N 139.17E 387 3.3
IDC VI 23 01 13 00.8–32 30.90N 137.04E 631–402 2.8,2.7 **¶13681874**
JMA Error ellipse: s-maj=3.3km s-min=7.6km az=-1.0.
IDC Error ellipse: s-maj=298.5km s-min=14.0km az=70.0.
ISC VI 25 01 07 34.6–.90 33.19N–.08 138.26E–.08 328–7 3.4b 36 1-67
JMA VI 25 01 07 32.5–.20 33.15N 138.33E 341 3.2 **¶13681989**
ISCJB VI 25 01 07 33.3–.63 33.15N–.07 138.26E–.08 334–5 3.3b
IDC VI 25 01 07 34.4–.81 33.08N 138.12E 324–14 3.2,3.2b
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=9.8km az=148.3.
IDC Error ellipse: s-maj=40.3km s-min=13.3km az=66.0.
ISC VI 25 14 28 07.9–.95 31.62N–.09 140.5E–.20 97 3.5b 18 2-94
ISCJB VI 25 14 28 05.9–.76 31.57N–.06 140.5E–.20 97 3.4b **¶13682013**
IDC VI 25 14 28 06.3–2.3 31.49N 140.29E 82–19 3.4,3.2
JMA VI 25 14 28 08.0–.20 31.97N 140.87E 7 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.0km s-min=7.6km az=167.0.
IDC Error ellipse: s-maj=35.7km s-min=19.0km az=89.0.
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
ISC VI 25 22 27 59.0–.53 32.90N–.05 140.82E–.05 55–3 4.3b,3.3s 184 1-149
NIED VI 25 22 27 00 32.90N 140.90E 50 4.3W,3.3s **¶13279133**
MOS VI 25 22 27 54.9–.92 32.89N 140.73E 33 4.5b,3.3s
JMA VI 25 22 27 56.7–.20 32.93N 140.92E 45 4.1,3.3s
ISCJB VI 25 22 27 57.7–.69 32.87N–.04 140.77E–.05 58–5 4.2b,3.4s
BJI VI 25 22 27 57.7 32.94N 141.14E 86 4.8b,4.4b
NEIC VI 25 22 27 58.9–.35 32.90N 140.77E 53 4.6b,4.3W
IDC VI 25 22 27 58.7–.60 32.81N 140.65E 51–4 4.0,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ56.00000°,λ-96.00000°. NP2:ϕ_s150.00000°,δ35.00000°,λ-81.00000°. $M_0$3.18000×10^{15}
MOS Error ellipse: s-maj=12.8km s-min=7.0km az=109.7.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=6.5km az=12.7.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.3km az=78.0. Moment Tensor Solution. $M_0$3.20000×10^{15}
IDC Error ellipse: s-maj=11.7km s-min=7.7km az=21.0.
ISC VI 26 19 12 00.6–.56 32.50N–.05 137.41E–.05 402–4 4.1b 150 1-163
MOS VI 26 19 11 57.3–.74 32.44N 137.36E 381 4.2b **¶13383569**
BJI VI 26 19 11 58.5 32.50N 137.50E 406 4.5b,4.4b
ISCJB VI 26 19 11 59.5–.30 32.47N–.04 137.46E–.04 406–2 4.0b,4.4b
JMA VI 26 19 11 59.4–.30 32.49N 137.49E 413–3 3.4,4.4b
IDC VI 26 19 12 00.3–.85 32.46N 137.39E 398–8 3.8,3.7
ISC Event type ke.
MOS Error ellipse: s-maj=14.0km s-min=7.4km az=97.8.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.9km az=141.8.
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=10.5km s-min=7.6km az=94.0.
ISC VI 28 08 54 49.2–.78 32.31N–.08 137.83E–.06 396–6 3.5b 65 1-95
NIED VI 28 08 54 00 32.30N 137.90E 400 4.0W **¶13682187**
ISCJB VI 28 08 54 47.7–.44 32.23N–.06 137.90E–.06 401–3 3.4b
JMA VI 28 08 54 47.1–.40 32.29N 137.94E 416–4 3.5
IDC VI 28 08 54 47.8–.78 32.14N 137.68E 380–7 3.4,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ87.00000°,λ-103.00000°. NP2:ϕ_s261.00000°,δ13.00000°,λ-13.00000°. $M_0$1.21000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=7.2km az=159.0.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=16.4km s-min=14.6km az=13.0.
ISC VI 29 12 37 27.9–.74 32.35N–.08 137.88E–.06 396–6 3.6b 68 1-95
NIED VI 29 12 37 00 32.30N 138.00E 380 4.1W **¶13682252**
JMA VI 29 12 37 25.3–.50 32.29N 138.00E 417–5 3.5
ISCJB VI 29 12 37 26.8–.41 32.32N–.06 137.86E–.06 401–2 3.6b
IDC VI 29 12 37 27.1–.61 32.22N 137.77E 389–6 3.5,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s306.00000°,δ85.00000°,λ-63.00000°. NP2:ϕ_s46.00000°,δ27.00000°,λ-169.00000°. $M_0$1.62000×10^{15}
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.9km az=153.3.
IDC Error ellipse: s-maj=12.5km s-min=10.6km az=103.0.
ISC VI 30 18 19 09.9–.87 29.11N–.09 139.4E–.20 423 2.8b 13 3-53
IDC VI 30 18 19 10.9–8.3 28.81N 138.73E 410–147 2.8,2.7b **¶13682336**
JMA VI 30 18 19 10.5–.20 29.20N 139.90E 448 3.4,2.7b
ISC Event type ke.
IDC Error ellipse: s-maj=172.4km s-min=21.6km az=68.0.
JMA Error ellipse: s-maj=3.3km s-min=7.8km az=-1.0.

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ISC I 04 08 33 27.4–.76 28.39N–.09 140.3E–.20 550 3.4b 26 2-151
IDC I 04 08 33 26.8–.65 28.36N 140.20E 535–12 3.0,2.9b **¶12080149**
ISCJB I 04 08 33 26.5–.58 28.34N–.06 140.0E–.10 550 3.3b,2.9b
JMA I 04 08 33 27.0–.20 28.34N 139.84E 540 3.7,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=42.9km s-min=16.3km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=17.7km s-min=6.6km az=167.5.
JMA Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
IDC I 06 05 18 17.4–1.1 26.34N 142.97E 0 3.9,3.7b
¶12080461
IDC Error ellipse: s-maj=31.4km s-min=20.9km az=51.0.
ISC I 09 07 50 16.3–.99 27.5N–.20 141.0E–.30 479 3.3b 11 1-77
ISCJB I 09 07 50 15.7–.71 27.4N–.10 141.0E–.30 479 3.3b **¶12080817**
IDC I 09 07 50 15.7–.87 27.40N 140.26E 446–21 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.9km s-min=17.7km az=164.2.
IDC Error ellipse: s-maj=65.1km s-min=16.1km az=82.0.
ISC I 11 18 46 43.6–.53 27.82N–.07 139.76E–.07 478 3.7b 99 2-97
ISCJB I 11 18 46 42.9–.34 27.79N–.03 139.74E–.06 478 3.8b **¶12081054**
IDC I 11 18 46 43.1–.52 27.76N 139.74E 474–6 3.4,3.3b
NEIC I 11 18 46 43.8–.54 27.79N 139.75E 481–6 4.1b,3.3b
JMA I 11 18 46 44.1–.20 27.97N 140.41E 502–4 4.0,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.3km az=10.7.
IDC Error ellipse: s-maj=12.2km s-min=10.2km az=80.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.1km az=66.0.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
IDC I 12 07 41 07.3–1.9 27.45N 139.78E 422–15 3.2,3.1b
¶12081095
IDC Error ellipse: s-maj=63.2km s-min=30.3km az=21.0.
ISC I 12 08 48 17.6–.58 27.43N–.06 141.49E–.08 26–4 4.2s,4.0b 95 1-151
NIED I 12 08 48 00 27.40N 141.90E 62 4.7W,4.0b **¶13404817**
IDC I 12 08 48 17.8–.61 27.46N 141.36E 26–3 4.1L,4.1
ISCJB I 12 08 48 18.0–.71 27.44N–.05 141.49E–.09 44–7 4.1s,4.0b
NEIC I 12 08 48 18.8–.40 27.41N 141.39E 35 4.2b,4.0b
JMA I 12 08 48 21.2–.10 27.40N 141.87E 61–3 4.6,4.0b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ87.00000°,λ93.00000°. NP2:ϕ_s114.00000°,δ5.00000°,λ46.00000°. $M_0$1.07000×10^{16}
IDC Error ellipse: s-maj=17.6km s-min=12.6km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=15.5km s-min=5.1km az=151.3.
NEIC Event type fe. Error ellipse: s-maj=13.1km s-min=8.6km az=63.0. Recorded [1 JMA] in the Chichijima-retto.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=5.9km az=-1.0.
JMA I 18 18 16 52.3–.20 26.64N 141.80E 36 4.1
¶15532854
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC I 20 23 23 47.3–.85 26.6N–.10 143.94E–.08 31 4.1b 41 2-79
NIED I 20 23 23 00 26.90N 143.90E 5 4.2W **¶12081908**
IDC I 20 23 23 42.2–.87 26.54N 144.12E 0 4.2,4.0
NEIC I 20 23 23 43.5–.46 26.55N 144.12E 10 4.3b,4.0
ISCJB I 20 23 23 44.9–.60 26.59N–.07 144.06E–.06 31 4.1b,3.2s
JMA I 20 23 23 48.3–.30 26.95N 143.85E 79 4.0,3.2s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s285.00000°,δ77.00000°,λ-99.00000°. NP2:ϕ_s141.00000°,δ16.00000°,λ-55.00000°. $M_0$2.48000×10^{15}
IDC Error ellipse: s-maj=21.7km s-min=18.0km az=106.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.3km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=8.0km az=1.5.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC I 23 13 40 44.4–.93 26.94N–.09 141.6E–.10 94 3.8b 20 1-124
ISCJB I 23 13 40 42.6–.72 26.80N–.07 141.42E–.10 94 3.6b **¶12082132**
IDC I 23 13 40 43.8–1.4 26.75N 141.60E 89–15 3.6,3.4b
JMA I 23 13 40 44.8–.10 26.83N 141.79E 104 4.0,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=8.4km az=147.0.
IDC Error ellipse: s-maj=47.5km s-min=18.3km az=92.0.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC I 26 23 31 36.3–5.4 28.85N 138.52E 342–144 2.8,2.8
¶12082426
IDC Error ellipse: s-maj=281.5km s-min=19.7km az=66.0.
ISC I 27 14 16 07.7–.68 27.41N–.07 140.5E–.10 300 3.4b 39 1-90
IDC I 27 14 16 05.8–.66 27.20N 140.35E 281–7 3.4,3.3b **¶12082486**
ISCJB I 27 14 16 06.4–.47 27.39N–.04 140.61E–.09 300 3.4b,3.3b
JMA I 27 14 16 08.1–.10 27.58N 141.45E 314 4.1,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=17.0km s-min=12.9km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.9km az=169.7.
JMA Error ellipse: s-maj=2.2km s-min=6.9km az=-1.0.
ISC I 28 03 44 26.6–.74 27.68N–.08 140.5E–.10 300 3.5b 31 2-123
ISCJB I 28 03 44 25.3–.54 27.61N–.06 140.5E–.10 300 3.4b **¶12082536**
IDC I 28 03 44 25.1–.90 27.60N 140.26E 282–12 3.5,3.4b
JMA I 28 03 44 26.8–.20 27.72N 140.81E 305 3.9,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=6.6km az=158.5.
IDC Error ellipse: s-maj=26.2km s-min=20.2km az=86.0.
JMA Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
ISC I 29 09 08 42.5–.96 26.80N–.08 143.99E–.09 35 3.8b,3.4s 14 2-83
IDC I 29 09 08 37.9–.86 26.57N 144.16E 0 3.9,3.8b **¶12082654**
JMA I 29 09 08 41.8–.30 26.89N 143.89E 16 3.9,3.8b
ISCJB I 29 09 08 42.4–.73 26.95N–.06 143.98E–.06 33 3.7b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC I 30 19 32 15.2–.63 27.39N 140.17E 486–9 3.0,2.8b
¶12082756
IDC Error ellipse: s-maj=25.4km s-min=13.1km az=84.0.
IDC II 01 08 18 24.1–2.6 26.66N 142.46E 0 3.9,3.7b
¶15954818
IDC Error ellipse: s-maj=109.8km s-min=17.3km az=71.0.
ISC II 02 21 17 33.4–2.9 27.0N–.20 141.1E–.20 76 4.0b 13 1-78
IDC II 02 21 17 31.0–2.0 26.70N 141.56E 120–37 3.5,3.5b **¶12699429**
JMA II 02 21 17 30.5–.30 26.72N 140.88E 40 4.3,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=122.1km s-min=22.3km az=81.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC II 05 00 17 33.4–.87 28.25N 142.92E 0 3.9,3.7
¶15955050
IDC Error ellipse: s-maj=25.5km s-min=15.7km az=107.0.
IDC II 09 16 24 33.8–6.0 26.44N 143.22E 0 3.6,3.4
¶15955309
IDC Error ellipse: s-maj=223.9km s-min=27.0km az=75.0.
ISC II 10 15 13 42.1–.71 28.50N–.04 142.5E–.10 25 3.8b 38 1-85
NIED II 10 15 13 00 28.60N 142.30E 5 4.0W **¶12699916**
IDC II 10 15 13 38.4–.74 28.44N 142.57E 0 4.0,3.9
JMA II 10 15 13 39.8–.10 28.56N 142.13E 8 4.3,3.9
ISCJB II 10 15 13 40.7–.53 28.61N–.03 142.5E–.10 25 3.8b,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ88.00000°,λ-57.00000°. NP2:ϕ_s273.00000°,δ33.00000°,λ-176.00000°. $M_0$1.29000×10^{15}
ISCJB Event type ke.
ISC II 10 15 34 32.2–.89 27.01N–.07 142.92E–.08 32 3.6b 29 1-78
IDC II 10 15 34 27.3–.89 26.96N 143.03E 0 3.9,3.8 **¶12699917**
ISCJB II 10 15 34 30.1–.68 27.13N–.04 143.02E–.06 32 3.7b,3.8
JMA II 10 15 34 33.0–.10 26.93N 142.49E 82 4.2,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=18.5km az=97.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.5km az=25.3.
JMA Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
ISC II 12 21 29 01.7–.65 27.85N–.07 139.7E–.10 478 4.2b 54 2-122
ISCJB II 12 21 29 01.1–.41 27.77N–.04 139.61E–.07 478 3.9b **¶13434563**
IDC II 12 21 29 01.8–.57 27.83N 139.92E 492–8 3.5,3.5b
JMA II 12 21 29 03.2–.10 28.03N 140.35E 502 3.7,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.4km az=5.7.
IDC Error ellipse: s-maj=23.7km s-min=12.4km az=66.0.
JMA Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
IDC II 13 16 30 19.6–1.6 26.61N 140.67E 418–18 3.0,2.8
¶15955962
IDC Error ellipse: s-maj=61.0km s-min=19.4km az=101.0.
JMA II 18 09 17 55.3–.20 28.61N 143.11E 50 4.2
¶15543871
JMA Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
IDC II 20 07 57 44.3–2.2 28.32N 140.39E 433–51 3.0,2.9

¶15956809

IDC Error ellipse: s-maj=222.0km s-min=65.7km az=21.0.
ISC II 20 20 52 54.3–.56 28.41N–.07 140.4E–.10 400 3.5b 50 2-123
JMA II 20 20 52 54.1–.30 28.44N 140.46E 417–4 4.0 **¶12701366**
IDC II 20 20 52 54.2–.58 28.23N 139.95E 393–6 3.4,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=15.7km s-min=8.5km az=77.0.
IDC II 25 21 36 16.2–1.0 26.65N 141.91E 0 3.8,3.6

¶15957275

IDC Error ellipse: s-maj=37.0km s-min=12.9km az=115.0.
IDC II 26 07 13 44.1–1.1 26.61N 142.42E 0 3.7,3.5

¶15957342

IDC Error ellipse: s-maj=43.6km s-min=13.5km az=76.0.
IDC II 26 13 10 47.1–.99 26.88N 142.88E 0 3.9,3.7

¶15957357

IDC Error ellipse: s-maj=23.6km s-min=15.8km az=45.0.
ISC III 01 16 56 27.5–.74 26.5N–.10 141.8E–.20 40 4.2b 15 1-84
NIED III 01 16 56 00 26.50N 141.90E 38 4.3W **¶12702204**
ISCJB III 01 16 56 25.7–.58 26.39N–.08 141.7E–.20 40 4.1b
IDC III 01 16 56 27.4–3.2 26.43N 141.80E 37–28 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ53.00000°,λ68.00000°. NP2:ϕ_s42.00000°,δ42.00000°,λ117.00000°. $M_0$3.52000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=22.8km s-min=8.8km az=21.0.
IDC Error ellipse: s-maj=35.9km s-min=13.5km az=93.0.
ISC III 03 12 14 33.6–.34 26.89N–.04 142.72E–.04 33 4.8b,4.0s 356 1-150
NIED III 03 12 14 00 27.00N 142.80E 11 4.5W,4.0s **¶11743348**
BJI III 03 12 14 29.7 26.63N 142.89E 37 4.9b,4.7b
JMA III 03 12 14 30.6 26.96N 142.79E 82–2 4.1,4.7b
MOS III 03 12 14 31.5–.85 26.88N 142.59E 33 5.0b,4.7b
IDC III 03 12 14 33.7–.61 26.91N 142.68E 37–4 4.4,4.3b
ISCJB III 03 12 14 33.5–.20 27.07N–.03 142.54E–.03 38 4.8b,4.0s
NEIC III 03 12 14 34.1–.22 26.89N 142.64E 38 5.0b,4.4W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s348.00000°,δ79.00000°,λ-110.00000°. NP2:ϕ_s230.00000°,δ22.00000°,λ-30.00000°. $M_0$5.93000×10^{15}
JMA Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=5.9km az=116.5.
IDC Error ellipse: s-maj=12.1km s-min=10.9km az=97.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.6km az=173.3.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=5.1km az=158.0. Recorded [1 JMA] in the Chichijima-retto. Moment Tensor Solution. $M_0$5.90000×10^{15}
IDC III 03 12 23 07.3–.80 26.92N 142.91E 0 3.9,3.8b

¶12702345

IDC Error ellipse: s-maj=18.1km s-min=15.8km az=37.0.
IDC III 03 12 45 47.4–1.1 26.92N 142.96E 0 3.8,3.7

¶12702347

IDC Error ellipse: s-maj=24.8km s-min=17.5km az=37.0.
IDC III 03 14 14 25.7–.85 26.68N 141.87E 0 4.0,3.8b

¶12702353

IDC Error ellipse: s-maj=26.2km s-min=12.0km az=119.0.
ISC III 04 21 15 15.7–.43 26.95N–.04 142.52E–.04 57–2 4.8b,4.2s 352 0-150
NIED III 04 21 15 00 26.90N 142.60E 38 5.0W,4.2s **¶11752980**
IDC III 04 21 15 07.1–.42 26.86N 142.82E 0 4.5,4.4b
MOS III 04 21 15 10.8–.93 26.85N 142.63E 33 5.0b,4.4b
JMA III 04 21 15 12.7–.20 26.91N 142.63E 63 4.4,4.4b
ISCJB III 04 21 15 13.7–.51 26.99N–.03 142.55E–.04 52–4 4.8b,4.2s
NEIC III 04 21 15 14.2–.93 26.88N 142.58E 46–7 5.1b,4.9W
BJI III 04 21 15 14.1 26.92N 142.55E 64 5.0b,4.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ84.00000°,λ108.00000°. NP2:ϕ_s74.00000°,δ19.00000°,λ18.00000°. $M_0$3.32000×10^{16}
IDC Error ellipse: s-maj=11.9km s-min=10.3km az=37.0.
MOS Error ellipse: s-maj=9.8km s-min=5.4km az=112.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.8km az=30.5.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=5.5km az=139.0. Recorded [1 JMA] in the Chichijima-retto. Moment Tensor Solution. $M_0$3.30000×10^{16}
IDC III 04 21 21 09.9–1.5 26.57N 142.02E 0 4.0,3.9b

¶12702455

IDC Error ellipse: s-maj=40.5km s-min=15.4km az=112.0.
ISC III 04 21 23 29.6–.52 26.85N–.08 142.87E–.08 32 4.2b 83 1-149
IDC III 04 21 23 24.8–.59 26.83N 142.85E 0 4.1,4.0b **¶12702456**
ISCJB III 04 21 23 27.4–.39 26.84N–.06 142.96E–.06 32 4.3b,4.0b
NEIC III 04 21 23 30.1–.26 26.85N 142.85E 35 4.6b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=12.7km az=29.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=7.3km az=138.3.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.5km az=75.0.
IDC III 07 08 14 09.6–.70 27.25N 140.51E 463–23 3.0,2.9b

¶12702626

IDC Error ellipse: s-maj=77.7km s-min=20.4km az=75.0.
IDC III 09 10 01 03.1–1.4 27.71N 143.01E 0 3.7,3.6b

¶12702789

IDC Error ellipse: s-maj=32.8km s-min=17.2km az=93.0.
IDC III 11 12 04 22.2–.80 27.61N 141.00E 355–18 3.1b,3.0

¶12702966

IDC Error ellipse: s-maj=84.5km s-min=18.5km az=80.0.
ISC III 13 14 05 13.6–.59 26.46N–.07 141.54E–.09 89 3.9b 34 1-85
NIED III 13 14 05 00 26.40N 141.30E 50 4.1W **¶12703174**
ISCJB III 13 14 05 12.0–.40 26.40N–.05 141.55E–.06 89 3.7b
IDC III 13 14 05 12.4–1.4 26.39N 141.46E 75–12 3.7,3.5
JMA III 13 14 05 13.4–.20 26.43N 141.33E 31 4.5,3.5
NEIC III 13 14 05 13.4 26.43N 141.33E 31 4.5,3.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ84.00000°,λ-76.00000°. NP2:ϕ_s157.00000°,δ15.00000°,λ-156.00000°. $M_0$1.70000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=6.2km az=22.3.
IDC Error ellipse: s-maj=31.8km s-min=14.2km az=103.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
NEIC Event type fe. Recorded [1 JMA] in the Hahajima-retto. After JMA.
ISC III 15 05 02 06.4–.46 27.66N–.05 139.84E–.05 499–3 4.1b 165 2-152
BJI III 15 05 02 02.8 27.33N 140.03E 506 4.9b,4.5b **¶13436323**
ISCJB III 15 05 02 05.0–.32 27.66N–.03 139.76E–.05 492–3 4.2b,4.5b
IDC III 15 05 02 05.3–.45 27.67N 139.81E 486–5 3.7,3.7
JMA III 15 05 02 06.0–.20 27.84N 140.47E 513–3 4.1,3.7
NEIC III 15 05 02 07.3–.86 27.59N 139.64E 506–10 4.3b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=1.8.
IDC Error ellipse: s-maj=10.2km s-min=7.5km az=75.0.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.5km az=116.0.
ISC III 22 16 00 01.7–1.4 26.7N–.10 142.5E–.30 31 3.8b 15 1-79
ISCJB III 22 15 59 59.4–.99 26.59N–.10 142.6E–.20 31 3.8b,3.3s **¶12635304**
IDC III 22 16 00 00.7–6.7 26.63N 142.49E 24–45 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.0km s-min=9.2km az=160.5.
IDC Error ellipse: s-maj=55.3km s-min=12.4km az=75.0.
IDC III 23 01 59 37.0–1.1 27.68N 143.12E 0 3.9,3.8

¶12635347

IDC Error ellipse: s-maj=28.0km s-min=17.3km az=113.0.
IDC III 23 08 48 42.4–.60 27.62N 140.67E 22–3 4.0,3.8
NIED III 23 08 48 00 27.50N 140.70E 5 4.0W,3.8 **¶12635369**
IDC Error ellipse: s-maj=16.4km s-min=16.1km az=17.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s334.00000°,δ63.00000°,λ-89.00000°. NP2:ϕ_s152.00000°,δ27.00000°,λ-91.00000°. $M_0$1.10000×10^{15}
ISC III 23 08 51 01.4–.48 27.48N–.07 140.66E–.08 35 4.2b 58 1-151
NIED III 23 08 50 00 27.40N 140.70E 5 4.1W **¶12635370**
ISCJB III 23 08 51 00.1–.47 27.51N–.06 140.56E–.07 33 4.2b
NEIC III 23 08 51 00.5–.32 27.52N 140.62E 23 4.5b,4.0W
IDC III 23 08 51 00.3–.55 27.59N 140.62E 22–3 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s344.00000°,δ62.00000°,λ-76.00000°. NP2:ϕ_s135.00000°,δ31.00000°,λ-115.00000°. $M_0$1.42000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.7km az=142.9.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.1km az=75.0. Moment Tensor Solution. $M_0$1.40000×10^{15}
IDC Error ellipse: s-maj=18.7km s-min=14.2km az=94.0.
IDC III 23 09 36 24.4–.72 27.59N 140.62E 0 4.0,3.8
NIED III 23 09 36 00 27.60N 140.60E 5 4.2W,3.8 **¶12635372**
IDC Error ellipse: s-maj=21.1km s-min=16.8km az=60.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s344.00000°,δ60.00000°,λ-81.00000°. NP2:ϕ_s148.00000°,δ31.00000°,λ-105.00000°. $M_0$2.14000×10^{15}
ISC III 23 11 14 13.5–.33 27.56N–.05 140.61E–.04 23–1 4.6b,3.8s 229 1-151
NIED III 23 11 14 00 27.60N 141.10E 14 4.4W,3.8s **¶12055820**
ISCJB III 23 11 14 09.5–1.3 27.54N–.04 140.52E–.04 6–8 4.6b,3.8s
MOS III 23 11 14 12.8–1.0 27.55N 140.48E 31 4.6b,3.8s
NEIC III 23 11 14 13.7–.22 27.52N 140.52E 23 4.8b,4.4W
IDC III 23 11 14 13.6–.39 27.59N 140.62E 24–2 4.3,4.2
BJI III 23 11 14 13.0 27.60N 140.40E 20 4.8b,4.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ67.00000°,λ-77.00000°. NP2:ϕ_s316.00000°,δ26.00000°,λ-118.00000°. $M_0$5.16000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.7km az=28.7.
MOS Error ellipse: s-maj=12.8km s-min=7.0km az=103.1.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=46.0. Moment Tensor Solution. $M_0$5.20000×10^{15}
IDC Error ellipse: s-maj=11.6km s-min=11.3km az=72.0.
ISC III 23 12 30 50.7–.51 27.53N–.08 140.65E–.07 21–7 4.5b 95 1-151
NIED III 23 12 30 00 27.50N 140.70E 5 4.3W **¶12635388**
NEIC III 23 12 30 51.0–.28 27.48N 140.55E 21 4.6b,4.3W
IDC III 23 12 30 50.8–.53 27.58N 140.67E 21–3 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s350.00000°,δ67.00000°,λ-79.00000°. NP2:ϕ_s144.00000°,δ26.00000°,λ-114.00000°. $M_0$3.52000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.8km az=150.0. Moment Tensor Solution. $M_0$3.50000×10^{15}
IDC Error ellipse: s-maj=16.9km s-min=14.0km az=97.0.
ISC III 23 15 08 01.2–.53 27.48N–.07 140.63E–.05 27–3 4.4b,3.6s 76 1-151
ISCJB III 23 15 07 58.3–1.8 27.46N–.05 140.51E–.06 15–11 4.3b,3.7s **¶12056128**
NIED III 23 15 08 00 27.60N 141.40E 5 4.2W,3.7s
IDC III 23 15 08 00.8–.48 27.57N 140.63E 22–3 3.9,3.8
NEIC III 23 15 08 02.7–.47 27.44N 139.79E 10 4.7b,4.1W
MOS III 23 15 08 02.4–2.5 27.51N 140.16E 33 4.5b,4.1W
BJI III 23 15 08 08.4 27.88N 140.12E 61 4.8b,4.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=8.0km az=148.6.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ82.00000°,λ-32.00000°. NP2:ϕ_s54.00000°,δ58.00000°,λ-171.00000°. $M_0$2.03000×10^{15}
IDC Error ellipse: s-maj=13.8km s-min=12.3km az=111.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=11.0km az=172.0. Moment Tensor Solution. $M_0$2.00000×10^{15}
MOS Error ellipse: s-maj=14.5km s-min=7.8km az=105.3.
ISC III 23 15 23 29.9–.49 27.60N–.04 140.53E–.05 28–3 4.8b,3.8s 470 2-151
NIED III 23 15 23 00 27.70N 142.30E 20 4.6W,3.8s **¶13437115**
NEIC III 23 15 23 29.8–.23 27.50N 140.49E 24 4.9b,4.6W
JMA III 23 15 23 29.0–.10 27.70N 142.30E 174 3.7,4.6W
IDC III 23 15 23 29.6–.43 27.63N 140.53E 24–2 4.6,4.5
ISCJB III 23 15 23 30.8–1.3 27.57N–.03 140.38E–.03 33–8 4.7b,3.8s
MOS III 23 15 23 30.7–1.1 27.49N 140.45E 48 4.9b,3.8s
BJI III 23 15 23 35.0 27.71N 140.44E 77 4.9b,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s130.00000°,δ86.00000°,λ61.00000°. NP2:ϕ_s32.00000°,δ30.00000°,λ171.00000°. $M_0$8.97000×10^{15}
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.9km az=194.0. Moment Tensor Solution. $M_0$9.00000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=6.9km az=-1.0.
IDC Error ellipse: s-maj=14.2km s-min=11.3km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=4.9.
MOS Error ellipse: s-maj=11.0km s-min=5.6km az=110.0.
IDC III 23 15 31 24.6–.73 27.59N 140.65E 24–5 3.7,3.6

¶12635394

IDC Error ellipse: s-maj=17.6km s-min=16.1km az=84.0.
IDC III 23 15 48 00.5–.95 27.64N 140.62E 0 3.7,3.5

¶12635395

IDC Error ellipse: s-maj=23.5km s-min=19.8km az=23.0.
IDC III 23 17 44 41.0–.98 27.72N 140.62E 0 3.6,3.4b

¶12635403

IDC Error ellipse: s-maj=24.6km s-min=19.3km az=52.0.
IDC III 25 09 17 29.4–1.5 27.65N 140.70E 0 3.6,3.4
NIED III 25 09 17 00 27.50N 140.70E 5 3.6W,3.4 **¶12635539**
IDC Error ellipse: s-maj=32.4km s-min=22.2km az=57.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ81.00000°,λ-64.00000°. NP2:ϕ_s141.00000°,δ27.00000°,λ-160.00000°. $M_0$3.09000×10^{14}
IDC III 27 00 55 01.2–1.1 28.18N 143.10E 0 3.8,3.7

¶12635667

IDC Error ellipse: s-maj=29.0km s-min=16.5km az=108.0.
JMA III 30 18 26 42.8–.10 28.95N 140.16E 472 3.3
IDC III 30 18 25 32.9–11 25.95N 141.50E 0 3.7,3.6b **¶15557850**
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=347.1km s-min=121.5km az=14.0.
IDC IV 01 06 01 57.7–.82 28.84N 139.72E 422–20 3.1,3.1

¶16152210

IDC Error ellipse: s-maj=55.4km s-min=16.9km az=72.0.
IDC IV 02 04 41 30.0–16 27.53N 139.95E 498–208 3.0,2.8

¶16152258

IDC Error ellipse: s-maj=63.5km s-min=21.5km az=69.0.
IDC IV 03 17 55 13.0–2.1 27.32N 141.23E 0 4.2,4.0
NIED IV 03 17 55 00 27.20N 141.60E 35 3.9W,4.0 **¶12934379**
IDC Error ellipse: s-maj=102.6km s-min=27.5km az=81.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s281.00000°,δ59.00000°,λ-110.00000°. NP2:ϕ_s136.00000°,δ37.00000°,λ-61.00000°. $M_0$8.89000×10^{14}
IDC IV 06 18 25 20.4–4.6 28.23N 142.17E 33–37 3.6L,3.5
NIED IV 06 18 25 00 28.10N 142.20E 56 4.0W,3.5 **¶12934625**
IDC Error ellipse: s-maj=46.6km s-min=18.1km az=84.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ62.00000°,λ82.00000°. NP2:ϕ_s191.00000°,δ29.00000°,λ105.00000°. $M_0$1.05000×10^{15}
JMA IV 24 05 16 03.2–.20 26.41N 141.28E 37 4.6

¶15417514

JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC IV 27 04 22 54.6–5.6 26.68N 141.97E 30–43 3.5,3.3

¶16154544

IDC Error ellipse: s-maj=71.3km s-min=15.3km az=108.0.
ISC IV 28 12 07 09.0–.89 28.5N–.10 140.4E–.30 450 3.4b 13 2-122
JMA IV 28 12 07 09.1–.20 28.51N 140.06E 439 3.1 **¶12936351**
IDC IV 28 12 07 13.1–2.9 28.24N 139.17E 474–49 3.0,2.9
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=350.9km s-min=16.0km az=85.0.
ISC IV 29 15 10 34.9–1.4 28.86N–.06 143.0E–.20 41 3.7b 39 2-70
IDC IV 29 15 10 32.1–1.3 28.62N 142.52E 0 3.8,3.7 **¶12936411**
JMA IV 29 15 10 33.4–.10 28.77N 142.61E 35 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=19.4km az=74.0.
JMA Error ellipse: s-maj=1.1km s-min=4.9km az=-1.0.
ISC V 01 12 57 08.8–.27 26.26N–.03 140.57E–.03 416–2 5.3b 1243 1-167
SZGRF V 01 12 56 26.9 27.11N 142.26E 33 5.6b **¶15741774**
NIED V 01 12 57 00 26.70N 141.30E 360 5.3W
BJI V 01 12 57 06.1 26.20N 140.77E 413 5.2b,4.7b
ISCJB V 01 12 57 07.8–.26 26.19N–.02 140.56E–.02 419–2 5.2b,4.7b
MOS V 01 12 57 07.7–.85 26.26N 140.50E 415 5.5b,4.7b

IDC V 01 12 57 09.5–.65 26.22N 140.57E 422–6 4.9,4.9
TEH V 01 12 57 09.0 26.22N 140.55E 415 5.4L,4.9
GCMT V 01 12 57 10.8–.40 26.21N 140.36E 415–2 5.3W,4.9
NEIC V 01 12 57 10.5–.41 26.28N 140.43E 434–4 5.4b,5.2W
DJA V 01 12 57 10.3–1.3 26N–6.0 141E–7.0 510–17 5.3b,5.0b
JMA V 01 12 57 10.7–.30 26.67N 141.31E 418–3 5.5,5.0b
ISC Event type se.
SZGRF Bonin Islands, Japan, region.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ59.00000°,λ-39.00000°. NP2:ϕ_s152.00000°,δ57.00000°,λ-142.00000°. $M_0$8.98000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.6km az=144.0.
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=109.8.
IDC Error ellipse: s-maj=6.6km s-min=5.0km az=93.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s56,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.62±.28 $M_{\theta\theta}$-1.65±.39; $M_{\phi\phi}$6.27±.40; $M_{r\theta}$-8.77±.44; $M_{\theta\phi}$2.14±.38; $M_{\phi r}$0.64±.52; Best double couple: NP1:ϕ_s171.00000°,δ40.00000°,λ-152.00000°. NP2: ϕ_s59.00000°,δ72.00000°,λ-54.00000°. Principal axes: T 7.4000,Plg19.0000°,Azm123.0000° ; N 4.9000,Plg34.0000°,Azm226.0000°; P -12.2000,Plg49.0000°,Azm9.0000° $M_0$9.80000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.9km az=154.0. Recorded [1 JMA] in the Haha-jima-retto. Moment Tensor Solution. $M_0$9.00000×10^{16}
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0.
JMA V 06 18 49 25.4–.10 27.03N 140.81E 110 3.9
¶15422343
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC V 07 05 28 46.7–.43 27.47N–.04 142.92E–.05 45–2 4.5b,3.8s 230 1-149
NIED V 07 05 28 00 27.40N 143.00E 5 4.1W,3.8s **¶13439375**
IDC V 07 05 28 40.3–.49 27.36N 142.98E 0 4.5,4.5
ISCJB V 07 05 28 42.4–.92 27.56N–.03 142.89E–.04 16–6 4.5b,3.7s
JMA V 07 05 28 43.3–.30 27.40N 142.96E 80 4.1,3.7s
MOS V 07 05 28 43.9–1.0 27.39N 142.85E 33 4.8b,3.7s
BJI V 07 05 28 45.2 27.38N 142.78E 37 4.7b,4.5s
NEIC V 07 05 28 46.8–.22 27.41N 142.89E 43 4.5b,4.1W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ49.00000°,λ-80.00000°. NP2:ϕ_s16.00000°,δ42.00000°,λ-101.00000°. $M_0$1.54000×10^{15}
IDC Error ellipse: s-maj=16.5km s-min=13.7km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=167.0.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
MOS Error ellipse: s-maj=11.2km s-min=5.9km az=112.4.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=5.1km az=189.0. Moment Tensor Solution. $M_0$1.50000×10^{15}
ISC V 07 09 49 52.0–.82 28.49N–.10 140.1E–.20 421 3.2b 18 2-122
IDC V 07 09 49 51.4–3.1 28.34N 139.79E 419–34 3.2,3.0b **¶13678491**
JMA V 07 09 49 52.5–.10 28.64N 140.56E 435 3.4,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=36.8km s-min=15.6km az=96.0.
JMA Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.
ISC V 10 20 33 53.6–.81 27.6N–.10 140.2E–.20 479 3.4b 23 2-82
ISCJB V 10 20 33 52.8–.51 27.55N–.08 140.0E–.10 479 3.3b **¶13678702**
JMA V 10 20 33 54.8–.30 27.80N 140.63E 486–4 3.6
IDC V 10 20 33 54.3–1.9 27.63N 140.11E 487–21 3.0,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=8.9km az=155.5.
JMA Error ellipse: s-maj=3.3km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=38.4km s-min=14.6km az=81.0.
ISC V 12 09 55 14.9–.89 28.88N–.08 139.6E–.20 423 3.4b 19 3-53
ISCJB V 12 09 55 13.9–.62 28.82N–.05 139.4E–.10 423 3.4b **¶13678806**
IDC V 12 09 55 15.3–3.7 28.96N 139.92E 443–118 3.3,3.2b
JMA V 12 09 55 15.4–.10 28.98N 140.12E 446 3.5,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=6.0km az=166.4.
IDC Error ellipse: s-maj=255.9km s-min=16.3km az=69.0.
JMA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.
ISC V 16 12 08 45.7–1.1 27.33N–.09 140.9E–.20 250 3.4b 17 1-77
IDC V 16 12 08 18.3–1.3 27.38N 140.27E 0 3.8,3.6 **¶13679051**
ISCJB V 16 12 08 44.9–.81 27.30N–.07 140.9E–.20 250 3.2b,3.6
JMA V 16 12 08 45.9–.10 27.35N 141.11E 257 3.9,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=75.3km s-min=30.7km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=19.8km s-min=6.6km az=160.4.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
ISC V 20 23 25 35.8–1.1 28.46N–.08 139.9E–.20 400 22 2-76
IDC V 20 23 24 29.9–5.1 24.94N 140.92E 0 3.9,3.9 **¶15427381**
ISCJB V 20 23 25 35.0–.81 28.41N–.05 139.7E–.10 400 3.4b,3.9
JMA V 20 23 25 35.2–.20 28.48N 140.32E 427 3.5,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=167.5km s-min=97.7km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=5.9km az=164.6.
JMA Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.
ISC V 26 10 11 59.0–.29 27.63N–.03 140.24E–.04 468–2 4.5b 501 2-152
NIED V 26 10 11 00 27.80N 140.50E 440 4.7W **¶13439787**
DJA V 26 10 11 52.6–2.7 28N–8.0 140E–14 416–32 5.2b,4.8b
MOS V 26 10 11 57.3–.85 27.62N 140.20E 461 4.5b,4.8b
BJI V 26 10 11 58.9 27.54N 140.11E 481 4.8b,4.7b
NEIC V 26 10 11 58.2–.18 27.59N 140.15E 452 4.7W,4.5b
IDC V 26 10 11 58.6–.41 27.60N 140.11E 461–4 4.1,4.1
ISCJB V 26 10 11 58.0–.24 27.57N–.02 140.28E–.03 472–2 4.5b,4.1
JMA V 26 10 11 59.7–.20 27.80N 140.47E 460–3 5.0,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s270.00000°,δ75.00000°,λ-53.00000°. NP2:ϕ_s19.00000°,δ39.00000°,λ-156.00000°. $M_0$1.24000×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=5.1km az=109.9.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=83.0. Recorded [1 JMA] in the Haha-jima-retto. Moment Tensor Solution. $M_0$1.20000×10^{16}
IDC Error ellipse: s-maj=8.7km s-min=5.4km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=3.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
ISC V 28 08 55 18.5–.90 28.05N–.08 139.4E–.20 507 3.4b 26 3-97
IDC V 28 08 55 15.5–2.9 27.62N 138.57E 428–42 3.3,3.1 **¶13679791**
ISCJB V 28 08 55 17.2–.55 27.96N–.04 139.4E–.10 507 3.3b,3.1
JMA V 28 08 55 17.6–.20 28.09N 140.12E 542 4.3,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=49.2km s-min=15.2km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=5.8km az=175.7.
JMA Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
ISC VI 01 07 53 09.0–.63 27.69N–.07 140.33E–.09 350 3.9b 60 2-152
NIED VI 01 07 53 00 27.70N 140.60E 400 4.6W **¶13439854**
MOS VI 01 07 53 09.2–.62 27.53N 139.97E 375 4.0b
JMA VI 01 07 53 09.5–.30 27.75N 140.64E 359–5 3.8
IDC VI 01 07 53 10.6–1.5 27.58N 140.05E 369–15 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s143.00000°,δ78.00000°,λ-27.00000°. NP2:ϕ_s239.00000°,δ63.00000°,λ-167.00000°. $M_0$8.16000×10^{15}
MOS Error ellipse: s-maj=23.9km s-min=10.0km az=104.4.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=11.8km az=84.0.
ISC VI 02 16 34 42.0–.90 27.7N–.10 140.2E–.20 479 3.1b 21 2-77
JMA VI 02 16 34 42.3–.20 27.76N 140.36E 490 3.3 **¶13680238**
IDC VI 02 16 34 42.8–3.0 27.64N 140.04E 493–41 2.9,2.8
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=78.6km s-min=15.7km az=76.0.
ISC VI 04 17 34 51.6–1.4 27.5N–.10 140.6E–.20 395 2.8b 20 1-58
ISCJB VI 04 17 34 49.7–.65 27.31N–.06 140.4E–.10 395 2.8b **¶13680483**
IDC VI 04 17 34 50.1–1.8 27.28N 140.23E 380–22 2.9,2.7
JMA VI 04 17 34 52.1–.10 27.53N 140.95E 395 3.5,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.4km s-min=6.7km az=166.7.
IDC Error ellipse: s-maj=42.1km s-min=16.7km az=97.0.
JMA Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.

IDC VI 07 03 11 38.6–3.9 26.84N 139.65E 581–50 2.9,2.8b
¶16101046
IDC Error ellipse: s-maj=29.8km s-min=16.4km az=76.0.
ISC VI 12 21 33 52.4–.92 28.45N–.05 142.8E–.20 34 4.2b 64 1-85
NIED VI 12 21 33 00 28.50N 142.50E 5 4.1W **¶13681248**
IDC VI 12 21 33 47.2–1.6 28.29N 142.86E 0 4.1,4.0
JMA VI 12 21 33 50.2–.20 28.54N 142.47E 16 4.3,4.0
NEIC VI 12 21 33 52.2–.84 28.37N 142.93E 35 4.3b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ85.00000°,λ98.00000°. NP2:ϕ_s319.00000°,δ9.00000°,λ32.00000°. $M_0$1.78000×10^{15}
IDC Error ellipse: s-maj=68.3km s-min=14.9km az=76.0.
JMA Error ellipse: s-maj=1.1km s-min=6.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=34.1km s-min=7.6km az=74.0.
ISC VI 22 03 17 47.9–.53 27.69N–.05 142.66E–.10 30 4.4b,3.6s 100 1-149
NIED VI 22 03 17 00 27.80N 142.90E 8 4.2W,3.6s **¶13681815**
IDC VI 22 03 17 42.9–.60 27.60N 142.65E 0 4.2,4.2
NEIC VI 22 03 17 43.7–3.7 27.57N 142.67E 6–22 4.6b,4.2W
JMA VI 22 03 17 44.3–.10 27.78N 142.89E 36 4.1,4.2W
ISCJB VI 22 03 17 46.5–.42 27.80N–.03 142.62E–.08 30 4.3b,3.5s
MOS VI 22 03 17 46.4–1.1 27.55N 142.51E 33 4.9b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s339.00000°,δ67.00000°,λ74.00000°. NP2:ϕ_s196.00000°,δ28.00000°,λ124.00000°. $M_0$2.38000×10^{15}
IDC Error ellipse: s-maj=21.3km s-min=15.4km az=80.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.5km az=83.0. Moment Tensor Solution. $M_0$2.40000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.8km az=179.1.
MOS Error ellipse: s-maj=17.2km s-min=7.1km az=111.9.
IDC VI 23 17 18 38.5–6.5 27.26N 144.51E 0 4.1,3.9s
¶16101657
IDC Error ellipse: s-maj=218.7km s-min=27.0km az=68.0.
IDC VI 25 10 13 57.6–2.6 28.16N 139.94E 407–66 3.0,3.0
¶16101714
IDC Error ellipse: s-maj=170.1km s-min=20.5km az=69.0.
IDC VI 25 19 50 03.0–2.8 28.17N 141.66E 0 3.8,3.7
¶16101728
IDC Error ellipse: s-maj=118.9km s-min=29.3km az=75.0.
ISC VI 27 07 26 22.8–.55 26.32N–.07 140.7E–.10 450 4.1b 88 1-124
NIED VI 27 07 26 00 26.50N 141.20E 460 4.3W **¶13383572**
MOS VI 27 07 26 20.3–.91 26.16N 140.59E 438 4.1b
ISCJB VI 27 07 26 22.1–.38 26.37N–.04 140.73E–.08 450 4.0b
IDC VI 27 07 26 23.1–1.4 26.23N 140.67E 454–15 3.7,3.7
JMA VI 27 07 26 23.2–.30 26.52N 141.21E 446–3 4.5,3.7
BJI VI 27 07 26 23.7 26.15N 140.82E 496 4.8b,4.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ85.00000°,λ-33.00000°. NP2:ϕ_s151.00000°,δ57.00000°,λ-174.00000°. $M_0$2.93000×10^{15}
MOS Error ellipse: s-maj=16.6km s-min=7.8km az=105.5.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=4.8km az=177.7.
IDC Error ellipse: s-maj=13.5km s-min=9.7km az=85.0.
JMA Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0.
JMA VI 27 17 24 00.1–.20 27.46N 141.05E 394–3 3.7
¶15442396
JMA Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.

(213) Volcano Islands region.

ISC I 02 18 51 37.6–.68 22.36N–.06 143.7E–.10 100–5 4.3b 157 4-149
BJI I 02 18 51 26.5 22.30N 143.70E 10 4.9b,4.7b **¶12079841**
MOS I 02 18 51 34.9–.81 22.31N 143.68E 92 4.4b,4.7b
ISCJB I 02 18 51 36.0–1.2 22.34N–.05 143.73E–.09 103–10 4.2b,4.7b
IDC I 02 18 51 37.4–.89 22.32N 143.68E 99–7 3.9,3.9
NEIC I 02 18 51 37.3–.27 22.35N 143.68E 99 4.4b,3.9
JMA I 02 18 51 43.1–.20 23.08N 144.52E 127 4.8,3.9
ISC Event type ke.
MOS Error ellipse: s-maj=15.5km s-min=6.9km az=112.1.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=8.2km az=173.8.
IDC Error ellipse: s-maj=20.5km s-min=12.3km az=80.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.2km az=81.0.
JMA Error ellipse: s-maj=3.3km s-min=6.1km az=-1.0.
IDC I 07 09 08 29.8–2.5 24.94N 142.29E 0 3.9,3.7b
¶12080622
IDC Error ellipse: s-maj=200.6km s-min=22.7km az=90.0.
IDC I 08 19 17 20.8–1.9 22.10N 143.06E 230–17 3.4,3.2b
¶12080772
IDC Error ellipse: s-maj=26.1km s-min=13.2km az=85.0.
IDC I 12 17 15 33.6–1.1 22.14N 143.51E 0 3.9,3.7b
¶12081124
IDC Error ellipse: s-maj=45.6km s-min=20.7km az=86.0.
IDC I 16 15 11 04.2–10 22.19N 143.21E 264–83 3.1,3.0b
¶12081447
IDC Error ellipse: s-maj=147.3km s-min=15.0km az=77.0.
ISC I 17 14 36 22.7–.69 24.95N–.07 141.38E–.10 144–5 4.3b 110 2-151
NIED I 17 14 36 00 25.00N 141.20E 119 4.2W **¶13405793**
ISCJB I 17 14 36 22.0–.76 25.01N–.05 141.54E–.09 156–7 4.2b
IDC I 17 14 36 22.4–.71 24.87N 141.28E 142–6 3.9,3.7b
NEIC I 17 14 36 22.3–.37 24.83N 141.51E 142 4.8b,4.1W
JMA I 17 14 36 23.9–.20 25.03N 141.19E 131 4.6,4.1W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ65.00000°,λ64.00000°. NP2:ϕ_s265.00000°,δ36.00000°,λ132.00000°. $M_0$1.89000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=7.7km az=167.3.
IDC Error ellipse: s-maj=17.2km s-min=10.8km az=98.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.9km az=88.0. Moment Tensor Solution. $M_0$1.90000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=4.0km az=-1.0.
IDC I 17 23 01 10.7–3.2 22.53N 144.69E 0 3.7,3.6
¶12081582
IDC Error ellipse: s-maj=128.2km s-min=29.7km az=78.0.
IDC I 23 15 52 28.0–1.5 23.07N 141.57E 231–13 3.5,3.4b
¶12082144
IDC Error ellipse: s-maj=16.5km s-min=12.3km az=87.0.
ISC I 24 05 34 58.6–.54 22.62N–.06 142.8E–.10 200 3.9b 56 4-150
ISCJB I 24 05 34 56.8–.48 22.55N–.05 142.9E–.10 200 3.7b **¶12082193**
NEIC I 24 05 34 56.6–1.1 22.49N 142.85E 180–10 4.0b
IDC I 24 05 34 56.0–1.7 22.52N 142.84E 172–16 3.8,3.6b
JMA I 24 05 34 58.9–.30 22.71N 142.76E 186 4.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=6.2km az=175.6.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=6.5km az=94.0.
IDC Error ellipse: s-maj=22.4km s-min=9.8km az=94.0.
JMA Error ellipse: s-maj=2.2km s-min=7.2km az=-1.0.
ISC I 25 06 56 57.8–.56 22.98N–.07 144.30E–.08 31–2 4.4b,3.7s 126 5-149
ISCJB I 25 06 56 53.7–1.5 22.95N–.05 144.24E–.09 14–9 4.4b,3.9s **¶11617230**
IDC I 25 06 56 53.0–.53 22.92N 144.10E 0 4.2,4.2
BJI I 25 06 56 56.1 22.97N 144.19E 26 5.0b,4.7b
NEIC I 25 06 56 58.4–.27 22.96N 144.16E 35 4.7b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=7.1km az=162.2.
IDC Error ellipse: s-maj=19.9km s-min=12.7km az=73.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.9km az=73.0.
IDC I 27 08 04 04.6–2.6 22.42N 143.16E 170–22 3.4,3.3
¶12082456
IDC Error ellipse: s-maj=31.5km s-min=17.5km az=94.0.
IDC II 01 14 34 35.1–3.4 22.47N 144.15E 0 3.8,3.6
¶15954831
IDC Error ellipse: s-maj=160.4km s-min=25.5km az=82.0.
IDC II 01 22 12 01.1–3.5 22.08N 144.02E 0 3.7,3.6
¶15954843
IDC Error ellipse: s-maj=143.3km s-min=32.6km az=79.0.

IDC II 05 12 30 29.3–2.6 22.49N 143.40E 101–23 3.7,3.5
¶15955067
IDC Error ellipse: s-maj=31.0km s-min=13.4km az=88.0.
IDC II 08 01 05 44.0–3.1 23.41N 143.29E 121–25 3.5,3.5
¶15955204
IDC Error ellipse: s-maj=108.1km s-min=20.7km az=78.0.
ISC II 10 10 41 30.8–.55 25.88N–.05 140.74E–.06 200 4.1b 71 1-97
IDC II 10 10 41 30.2–.98 25.83N 140.80E 184–8 3.9,3.8 **¶12699904**
ISCJB II 10 10 41 31.1–.42 26.01N–.04 140.83E–.08 200 4.0b,3.8
MOS II 10 10 41 31.7–.83 25.87N 140.63E 213 4.2b,3.8
BJI II 10 10 41 31.2 25.80N 140.70E 190 4.7b,4.5b
JMA II 10 10 41 32.6–.20 25.94N 140.20E 57 4.9,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=14.2km s-min=12.4km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.3km az=174.3.
MOS Error ellipse: s-maj=20.4km s-min=8.6km az=100.4.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC II 12 18 43 11.0–.65 22.32N–.08 143.7E–.20 118 3.8b 25 5-146
ISCJB II 12 18 43 09.3–.59 22.26N–.07 143.7E–.20 118 4.0b **¶15955781**
IDC II 12 18 43 10.1–2.7 22.27N 143.69E 108–22 3.7s,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.4km s-min=9.2km az=169.9.
IDC Error ellipse: s-maj=21.0km s-min=14.6km az=86.0.
IDC II 17 12 43 49.5–1.2 25.46N 142.74E 0 3.8,3.6
¶15956408
IDC Error ellipse: s-maj=49.0km s-min=17.3km az=82.0.
ISC II 18 02 05 19.4–.46 25.41N–.07 142.6E–.10 38 4.3b,3.5s 83 1-162
NIED II 18 02 05 00 25.50N 141.00E 11 4.6W,3.5s **¶12701084**
JMA II 18 02 05 11.4–.40 25.47N 141.03E 0 4.9,3.5s
ISCJB II 18 02 05 17.7–.39 25.44N–.06 142.50E–.10 38 4.2b,3.5s
NEIC II 18 02 05 20.9–1.2 25.55N 142.52E 49–10 4.5b,4.5W
IDC II 18 02 05 21.0–2.4 25.58N 142.54E 48–21 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s216.00000°,δ78.00000°,λ90.00000°. NP2:ϕ_s37.00000°,δ12.00000°,λ91.00000°. $M_0$8.34000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=6.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=7.9km az=162.9.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.4km az=72.0. Moment Tensor Solution. $M_0$8.30000×10^{15}
IDC Error ellipse: s-maj=19.9km s-min=14.2km az=78.0.
IDC II 19 12 05 50.0–5.5 22.56N 144.37E 132–27 3.1,3.1
¶15956708
IDC Error ellipse: s-maj=207.9km s-min=17.7km az=75.0.
IDC II 20 00 00 10.0–1.1 25.57N 141.21E 0 3.9,3.6
¶15956797
IDC Error ellipse: s-maj=31.4km s-min=19.1km az=121.0.
IDC II 21 20 02 40.4–3.0 25.48N 143.26E 0 3.5s,3.5
¶15956894
IDC Error ellipse: s-maj=127.5km s-min=21.8km az=76.0.
JMA II 22 20 11 08.7–.30 25.03N 140.76E 112 4.0
¶15545504
JMA Error ellipse: s-maj=5.6km s-min=7.1km az=-1.0.
IDC II 23 03 46 51.9–.69 25.59N 142.76E 0 4.1,3.9
¶15957027
IDC Error ellipse: s-maj=25.9km s-min=17.6km az=97.0.
IDC II 23 06 07 39.8–1.1 25.50N 142.68E 0 4.1,4.0
NIED II 23 06 07 00 25.50N 141.10E 8 4.6W,4.0 **¶12701614**
IDC Error ellipse: s-maj=44.2km s-min=15.9km az=83.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s217.00000°,δ78.00000°,λ91.00000°. NP2:ϕ_s32.00000°,δ12.00000°,λ85.00000°. $M_0$7.93000×10^{15}
IDC III 02 01 34 26.3–1.2 25.39N 142.71E 0 3.8,3.6b
¶12702225
IDC Error ellipse: s-maj=45.4km s-min=20.7km az=82.0.
IDC III 02 18 13 32.2–2.5 25.38N 142.72E 0 3.5,3.2
¶12702288
IDC Error ellipse: s-maj=105.1km s-min=19.5km az=81.0.
IDC III 02 23 50 23.2–1.2 25.60N 140.79E 0 4.3,4.1b
¶12702308
IDC Error ellipse: s-maj=51.0km s-min=20.7km az=110.0.
ISC III 08 16 10 18.1–.60 24.80N–.06 142.7E–.10 35 4.1b 48 2-150
NIED III 08 16 10 00 24.80N 143.30E 5 4.3W **¶12702734**
IDC III 08 16 10 12.8–.61 24.82N 142.73E 0 4.1,4.1
JMA III 08 16 10 15.4–.10 24.81N 143.26E 99–4 4.1,4.1
ISCJB III 08 16 10 16.5–.53 24.89N–.05 142.7E–.10 33 4.0b,3.8s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ79.00000°,λ100.00000°. NP2:ϕ_s160.00000°,δ15.00000°,λ47.00000°. $M_0$3.05000×10^{15}
ISCJB Event type ke.
ISC III 08 17 07 24.6–.68 24.84N–.07 142.9E–.20 35 3.8b 42 2-150
NIED III 08 17 07 00 24.90N 143.40E 17 3.7W **¶12702741**
IDC III 08 17 07 20.1–.66 24.86N 142.62E 0 3.9,3.9
JMA III 08 17 07 22.2–.10 24.90N 143.44E 95 4.2,3.9
ISCJB III 08 17 07 23.1–.66 24.93N–.06 142.7E–.20 33 3.8b,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ89.00000°,λ124.00000°. NP2:ϕ_s147.00000°,δ34.00000°,λ1.00000°. $M_0$4.32000×10^{14}
ISCJB Event type ke.
ISC III 08 20 51 21.3–1.4 24.3N–.10 141.3E–.20 148 3.4b 19 2-126
JMA III 08 20 51 19.1–.30 24.17N 140.84E 100 4.5 **¶12702754**
IDC III 08 20 51 20.6–9.9 23.73N 141.78E 170–93 3.3,3.1b
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=7.1km az=-1.0.
IDC Error ellipse: s-maj=33.8km s-min=19.6km az=82.0.
ISC III 10 23 01 51.7–.70 25.60N–.10 144.10E–.10 35 3.9b 50 2-86
IDC III 10 23 01 46.7–.75 25.57N 144.06E 0 4.1,4.0L **¶12702924**
JMA III 10 23 01 47.2–.20 26.22N 144.50E 3 4.4,4.0L
ISCJB III 10 23 01 49.0–.56 25.59N–.07 144.17E–.09 33 3.9b,4.0L
NEIC III 10 23 01 51.8–.53 25.57N 143.98E 35 4.3b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=15.5km az=81.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=7.2km az=144.4.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.6km az=78.0.
ISC III 13 15 11 06.8–.45 22.17N–.05 144.16E–.06 111–2 4.5b 192 5-151
BJI III 13 15 11 01.9 21.86N 144.63E 119 5.1b,4.6b **¶12791169**
ISCJB III 13 15 11 03.9–1.1 22.08N–.04 144.14E–.06 101–9 4.5b,4.6b
MOS III 13 15 11 03.9–1.2 22.11N 143.88E 98 4.6b,4.6b
NEIC III 13 15 11 04.6–.36 22.07N 144.01E 94 4.8b,4.6b
IDC III 13 15 11 05.6–.61 22.10N 143.94E 96–4 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.9km az=163.0.
MOS Error ellipse: s-maj=16.5km s-min=7.3km az=107.1.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.3km az=77.0.
IDC Error ellipse: s-maj=15.4km s-min=9.7km az=80.0.
IDC III 14 06 04 58.5–2.7 24.12N 141.60E 120–23 3.2,3.1
¶12703230
IDC Error ellipse: s-maj=45.7km s-min=23.3km az=95.0.
IDC III 14 10 09 32.4–8.7 22.92N 143.02E 149–54 3.4b,3.4
¶12703247
IDC Error ellipse: s-maj=75.4km s-min=67.0km az=5.0.
IDC III 14 11 40 01.2–2.5 22.27N 143.78E 138–21 3.3,3.2b
¶12703252
IDC Error ellipse: s-maj=32.9km s-min=14.7km az=80.0.
IDC III 15 16 30 57.2–5.5 22.17N 143.78E 191–52 3.3,3.2
¶12703364
IDC Error ellipse: s-maj=24.8km s-min=14.1km az=86.0.
IDC III 16 19 04 49.1–.54 24.93N 142.70E 0 4.0,4.0L
¶12703447
IDC Error ellipse: s-maj=21.6km s-min=13.9km az=90.0.
ISC III 16 19 52 58.6–.52 24.90N–.04 142.57E–.06 31–2 4.7b,4.2s 274 2-156
NIED III 16 19 52 00 24.80N 143.00E 11 4.5W,4.2s **¶11938381**
IDC III 16 19 52 53.5–.41 24.88N 142.65E 0 4.7,4.7
BJI III 16 19 52 53.2 24.70N 143.13E 33 4.9b,4.6b
JMA III 16 19 52 56.4–.20 24.83N 143.04E 106 4.8,4.6b
ISCJB III 16 19 52 56.8–1.4 25.00N–.03 142.60E–.05 29–9 4.6b,4.1s
MOS III 16 19 52 56.9–1.0 24.87N 142.60E 33 5.0b,4.5s
NEIC III 16 19 53 00.2–1.1 24.87N 142.65E 47–9 4.7b,4.5W
DJA III 16 19 53 11.2–4.0 25N–9.0 142E–15 118–37 4.7,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ81.00000°,λ138.00000°. NP2:ϕ_s164.00000°,δ49.00000°,λ12.00000°. $M_0$7.01000×10^{15}
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. $M_0$7.00000×10^{15}
IDC III 16 20 06 04.6–1.3 24.78N 142.18E 0 3.8,3.7b
¶12703455
IDC Error ellipse: s-maj=55.5km s-min=22.3km az=93.0.
IDC III 16 20 17 04.5–2.2 24.77N 142.02E 0 3.7b,3.7
¶12703457
IDC Error ellipse: s-maj=138.0km s-min=22.3km az=93.0.
IDC III 17 11 33 38.2–3.0 22.31N 143.65E 119–27 3.4,3.3
¶12703509
IDC Error ellipse: s-maj=33.5km s-min=16.2km az=97.0.
IDC III 17 13 03 21.7–1.1 24.88N 142.54E 0 3.8,3.5b
¶12703514
IDC Error ellipse: s-maj=88.2km s-min=25.3km az=100.0.
IDC III 23 08 45 45.8–5.5 24.40N 142.05E 84–65 4.1L,3.3
¶12635368
IDC Error ellipse: s-maj=201.4km s-min=18.6km az=106.0.
IDC III 23 23 23 17.5–2.1 23.09N 141.58E 234–21 3.7,3.6b
¶12635427
IDC Error ellipse: s-maj=26.0km s-min=9.8km az=77.0.
ISC III 24 17 28 38.6–.33 25.56N–.03 141.05E–.04 181–2 4.6b 677 1-152
BJI III 24 17 28 35.6 25.47N 141.32E 185 4.9b,4.8b **¶12084356**
MOS III 24 17 28 37.6–1.0 25.50N 140.89E 187 4.6b,4.8b
IDC III 24 17 28 37.2–.52 25.53N 140.97E 170–4 4.4,4.4
NEIC III 24 17 28 37.7–.21 25.52N 141.01E 170 4.7b,4.4
ISCJB III 24 17 28 38.0–.46 25.68N–.03 140.91E–.02 173–3 4.5b,4.4
JMA III 24 17 28 39.6–.40 25.73N 140.38E 48 5.5,4.4
ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=5.3km az=101.0.
IDC Error ellipse: s-maj=9.6km s-min=5.8km az=100.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.9km az=146.0. Recorded [1 JMA] in the Chichijima-retto and Haha-jima-retto.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.5km az=177.9.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
IDC IV 04 11 44 39.0–2.3 23.37N 142.00E 0 3.9L,3.7
¶16152358
IDC Error ellipse: s-maj=190.4km s-min=24.6km az=91.0.
IDC IV 06 14 03 59.2–2.0 24.82N 142.52E 0 3.6,3.5
¶16152463
IDC Error ellipse: s-maj=90.0km s-min=18.1km az=83.0.
IDC IV 07 05 30 17.2–.74 23.48N 143.27E 62–6 3.8,3.7
¶16152491
IDC Error ellipse: s-maj=24.3km s-min=10.8km az=76.0.
ISC IV 09 14 33 03.0–.46 24.60N–.05 141.16E–.09 150 4.0b 75 2-151
NEIC IV 09 14 32 57.3–2.3 24.39N 141.15E 93–23 4.5b **¶12934881**
IDC IV 09 14 33 03.5–1.1 24.61N 141.26E 151–9 3.9,3.8
JMA IV 09 14 33 05.9–.20 24.84N 140.64E 82 5.0,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=9.1km az=91.0.
IDC Error ellipse: s-maj=15.1km s-min=9.8km az=92.0.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
IDC IV 09 15 57 38.6–2.3 25.12N 144.31E 0 3.7,3.7
¶16152594
IDC Error ellipse: s-maj=94.5km s-min=20.3km az=75.0.
IDC IV 09 23 48 49.8–1.9 24.27N 141.50E 115–15 3.7,3.6
¶16152608
IDC Error ellipse: s-maj=19.7km s-min=14.6km az=100.0.
IDC IV 13 09 53 03.5–.83 23.15N 143.71E 0 3.8,3.8b
¶16152750
IDC Error ellipse: s-maj=33.8km s-min=16.2km az=78.0.
IDC IV 15 13 51 54.9–7.2 22.89N 144.16E 33–53 3.7,3.7L
¶16152814
IDC Error ellipse: s-maj=31.8km s-min=21.1km az=87.0.
IDC IV 15 14 33 23.8–9.2 23.20N 144.03E 64–63 3.5,3.5s
¶16152816
IDC Error ellipse: s-maj=65.8km s-min=36.0km az=179.0.
ISC IV 19 09 05 54.9–.28 23.24N–.03 142.29E–.03 149–1 5.2b 1198 3-168
SZGRF IV 19 09 05 46.5 24.79N 142.93E 33 5.2b **¶12610726**
ISCJB IV 19 09 05 51.4–.46 23.28N–.02 142.18E–.02 122–3 5.2b
IDC IV 19 09 05 53.8–.53 23.18N 142.19E 139–4 4.9,4.9
MOS IV 19 09 05 53.4–.88 23.21N 142.13E 145 5.2b,4.3s
BJI IV 19 09 05 54.1 23.47N 142.39E 155 5.0b,5.0b
NEIC IV 19 09 05 54.1–.10 23.16N 142.22E 139 5.3b,5.0b
JMA IV 19 09 05 54.1–.30 23.56N 142.67E 180 5.5,5.0b
GCMT IV 19 09 05 56.0–.20 23.34N 142.17E 122–1 5.2W,5.0b
DJA IV 19 09 05 59.0–1.5 23N–8.0 142E–11 185–15 5.6b,5.1
ISC Event type fe.
SZGRF Volcano Islands, Japan, region.
ISCJB Event type fe.
NEIC Event type fe. Recorded [1 JMA] in the Haha-jima-retto.
JMA Event type fe.
GCMT Event type se. Data Used: ll IU G CN IC. Moment Tensor Solution. s49,c67; s87,c161; Moment tensor: Scale 10^{16}Nm; M_{rr}7.24±.17 $M_{\theta\theta}$-6.37±.21; $M_{\phi\phi}$-0.88±.23; $M_{r\theta}$-0.17±.18; $M_{\theta\phi}$-6.31±.19; $M_{\phi r}$-0.49±.18; Best double couple: NP1:ϕ_s61.00000°,δ44.00000°,λ97.00000°. NP2:ϕ_s232.00000°,δ47.00000°,λ84.00000°. Principal axes: T 7.3000,Plg85.0000°,Azm73.0000°; N 3.2000,Plg5.0000°,Azm237.0000°; P -10.5000,Plg1.0000°,Azm327.0000° $M_0$8.90000×10^{16}
ISC IV 21 04 08 41.5–.65 24.42N–.08 141.8E–.10 56–5 4.4b,3.6s 265 11-151
MOS IV 21 04 08 36.9–1.1 24.38N 141.71E 33 4.8b,3.6s **¶13438945**
NEIC IV 21 04 08 40.7–1.7 24.42N 141.72E 50–15 4.6b,3.6s
IDC IV 21 04 08 41.4–.73 24.46N 141.75E 60–6 4.1,4.0
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=15.4km s-min=7.8km az=96.7. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.1km az=110.0.
IDC Error ellipse: s-maj=19.0km s-min=12.3km az=79.0.
IDC IV 25 16 55 01.1–7.8 23.20N 143.58E 87–70 3.5L,3.4
¶16153386
IDC Error ellipse: s-maj=117.0km s-min=18.2km az=80.0.
ISC IV 25 22 24 22.3–.80 23.77N–.10 143.8E–.20 35 3.9b 24 3-149
IDC IV 25 22 24 17.4–.76 23.66N 143.61E 0 4.2,4.0 **¶12936123**
ISCJB IV 25 22 24 20.5–.67 23.67N–.08 143.7E–.20 33 3.9b,4.0
JMA IV 25 22 24 22.2–.10 23.94N 144.07E 107 4.2,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=19.9km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=28.0km s-min=7.9km az=162.9.
JMA Error ellipse: s-maj=4.4km s-min=6.1km az=-1.0.
IDC IV 30 18 01 35.6–11 25.57N 141.32E 139–102 3.3,3.2L
¶16154674
IDC Error ellipse: s-maj=50.1km s-min=16.9km az=81.0.
IDC V 01 09 29 22.7–1.4 23.33N 142.51E 0 3.7,3.5b
¶16154697
IDC Error ellipse: s-maj=48.1km s-min=29.0km az=84.0.
IDC V 01 09 40 29.4–9.1 22.38N 143.42E 174–86 3.3,3.1
¶16154698
IDC Error ellipse: s-maj=41.2km s-min=15.7km az=85.0.
IDC V 02 05 39 14.0–6.6 22.30N 143.16E 255–63 3.1,3.0
¶16154826
IDC Error ellipse: s-maj=44.9km s-min=15.1km az=79.0.
ISC V 06 15 08 33.1–.00 24.85N–.08 142.0E–.20 200 3.5b 24 2-80
IDC V 06 15 08 29.5–4.7 24.51N 141.54E 143–45 3.5,3.4b **¶13678453**

ISCJB V 06 15 08 31.2–.76 24.82N–.06 142.0E–.20 200 3.3b,3.4b
JMA V 06 15 08 32.2–.30 24.90N 140.48E 77 4.9,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=24.8km s-min=13.4km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=23.3km s-min=7.6km az=5.2.
JMA Error ellipse: s-maj=4.4km s-min=5.0km az=-1.0.
IDC V 08 06 21 49.9–.82 25.71N 143.10E 0 4.0,3.8
¶16155506
IDC Error ellipse: s-maj=31.2km s-min=20.2km az=93.0.
IDC V 10 15 08 29.3–10 22.26N 143.86E 233–84 3.1,3.0
¶16155593
IDC Error ellipse: s-maj=119.6km s-min=18.5km az=77.0.
ISC V 11 03 26 42.6–.86 23.43N–.07 141.5E–.20 256 3.7b 18 3-126
IDC V 11 03 26 43.0–6.8 23.11N 141.71E 254–64 3.5,3.4b **¶13678725**
JMA V 11 03 26 43.4–.20 23.47N 141.34E 256 4.5,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=44.2km s-min=11.5km az=77.0.
JMA Error ellipse: s-maj=2.2km s-min=6.1km az=-1.0.
ISC V 13 19 50 38.7–1.4 24.83N–.10 141.9E–.30 149 3.1b 19 2-52
IDC V 13 19 50 36.2–4.7 24.62N 141.37E 103–70 3.6L,3.4 **¶13678891**
JMA V 13 19 50 40.1–.20 25.00N 141.42E 149 4.0,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=85.7km s-min=27.6km az=71.0.
JMA Error ellipse: s-maj=2.2km s-min=6.0km az=-1.0.
IDC V 14 15 18 50.2–7.7 22.41N 144.42E 208–75 3.0,2.9
¶16155745
IDC Error ellipse: s-maj=38.0km s-min=16.3km az=84.0.
ISC V 15 08 06 10.1–.96 25.93N–.09 140.13E–.10 150 3.8b 19 2-98
ISCJB V 15 08 06 07.9–.74 25.90N–.06 140.14E–.08 150 3.7b **¶13678983**
IDC V 15 08 06 10.8–7.8 26.11N 140.72E 170–73 3.7,3.5
JMA V 15 08 06 16.0–.30 26.13N 140.37E 143 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=8.2km az=10.6.
IDC Error ellipse: s-maj=23.9km s-min=21.0km az=61.0.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC V 16 09 09 23.1–1.3 22.4N–.10 143.9E–.20 200 3.5b 32 4-149
JMA V 16 09 09 22.4–.20 22.40N 144.07E 202 4.8 **¶13679046**
IDC V 16 09 09 26.8–.86 21.93N 143.21E 246–8 3.5,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=15.4km s-min=11.3km az=78.0.
IDC V 21 21 25 14.4–2.8 24.26N 142.50E 0 3.9,3.7
¶16156002
IDC Error ellipse: s-maj=124.5km s-min=29.7km az=79.0.
IDC V 22 11 14 13.8–.82 24.26N 142.90E 0 4.0,3.8b
¶16156022
IDC Error ellipse: s-maj=28.4km s-min=17.5km az=88.0.
IDC V 22 16 45 02.9–20 22.19N 143.27E 295–148 3.1s,3.1
¶16156028
IDC Error ellipse: s-maj=150.8km s-min=126.4km az=20.0.
IDC V 23 09 04 18.3–.81 24.21N 142.81E 0 4.0,3.8
¶16156043
IDC Error ellipse: s-maj=29.9km s-min=17.9km az=93.0.
IDC VI 01 05 43 16.9–39 22.49N 142.94E 427–277 3.1s,3.1
¶16066149
IDC Error ellipse: s-maj=410.2km s-min=27.9km az=173.0.
IDC VI 10 04 34 47.1–4.7 23.12N 142.64E 110–42 3.9,3.8
¶13440018
IDC Error ellipse: s-maj=19.4km s-min=12.7km az=87.0.
IDC VI 20 14 28 26.9–7.0 23.13N 141.93E 295–71 3.1,3.0
¶16101536
IDC Error ellipse: s-maj=36.5km s-min=13.6km az=81.0.
IDC VI 20 17 47 44.3–1.3 23.08N 144.17E 58–8 3.8s,3.8
¶16101545
IDC Error ellipse: s-maj=37.9km s-min=20.6km az=85.0.
IDC VI 22 12 56 49.3–.76 23.75N 142.85E 0 4.0,3.8
¶16101610
IDC Error ellipse: s-maj=28.8km s-min=17.6km az=86.0.
IDC VI 22 16 36 57.9–5.6 23.10N 144.68E 0 3.8,3.6
¶16101614
IDC Error ellipse: s-maj=213.9km s-min=28.5km az=72.0.
IDC VI 23 18 45 47.5–1.3 24.40N 141.32E 0 3.5,3.3
¶16101661
IDC Error ellipse: s-maj=57.1km s-min=26.4km az=94.0.
IDC VI 27 02 28 23.6–4.0 25.53N 141.09E 114–37 3.9,3.7
¶16101772
IDC Error ellipse: s-maj=23.9km s-min=11.6km az=88.0.
IDC VI 27 02 34 02.4–1.4 25.56N 141.39E 0 3.9,3.8L
¶16101773
IDC Error ellipse: s-maj=49.8km s-min=28.3km az=89.0.
IDC VI 27 22 52 40.8–1.5 22.95N 144.96E 0 3.6,3.5
¶16101800
IDC Error ellipse: s-maj=49.1km s-min=25.8km az=83.0.
ISC VI 30 04 35 27.5–.55 25.95N–.07 143.2E–.10 35 4.2b 80 1-150
NIED VI 30 04 35 00 25.70N 142.60E 32 4.3W **¶13682299**
IDC VI 30 04 35 22.3–.56 25.84N 143.06E 0 4.2,4.2
JMA VI 30 04 35 24.6 25.66N 142.63E 127 4.3,4.2
ISCJB VI 30 04 35 25.9–.47 26.03N–.04 143.0E–.10 33 4.4s,4.2b
NEIC VI 30 04 35 27.6–.33 25.87N 143.03E 35 4.6b,4.2W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s124.00000°,δ77.00000°,λ158.00000°. NP2:ϕ_s219.00000°,δ68.00000°,λ14.00000°. $M_0$2.85000×10^{15}
IDC Error ellipse: s-maj=19.7km s-min=13.6km az=81.0.
JMA Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=5.1km az=169.3.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.5km az=75.0. Moment Tensor Solution. $M_0$2.90000×10^{15}
IDC VI 30 19 34 44.0–1.2 24.44N 141.94E 0 3.6,3.4
¶16101910
IDC Error ellipse: s-maj=46.7km s-min=21.4km az=82.0.

(214) West of Mariana Islands.

IDC II 19 13 06 49.7–.76 16.55N 140.31E 0 4.1,4.0
¶15956715
IDC Error ellipse: s-maj=26.4km s-min=18.3km az=86.0.

(215) Mariana Islands region.

IDC I 01 03 43 53.9–1.2 14.71N 147.16E 0 4.1,3.9L
¶12079730
IDC Error ellipse: s-maj=33.6km s-min=21.0km az=125.0.
ISC I 02 03 00 31.9–.69 15.86N–.08 147.2E–.10 30 4.2b 47 3-144
IDC I 02 03 00 27.0–.80 15.89N 147.28E 0 4.2,4.1 **¶12079796**
ISCJB I 02 03 00 30.0–.57 15.88N–.06 147.2E–.10 30 4.1b,2.8s
NEIC I 02 03 00 32.4–.49 15.88N 147.17E 35 4.5b,2.8s
ISC Event type ke.
IDC Error ellipse: s-maj=25.5km s-min=15.9km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=7.5km az=20.5.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.6km az=95.0.
IDC I 04 08 15 47.0–1.3 19.99N 147.09E 0 4.2,4.0b
¶12080144
IDC Error ellipse: s-maj=38.4km s-min=28.4km az=56.0.
ISC I 04 20 39 14.7–.42 20.01N–.04 146.98E–.05 34–1 4.9b,4.3s 464 7-149
IDC I 04 20 39 09.4–.52 19.92N 147.00E 0 4.7,4.7 **¶13404608**
DJA I 04 20 39 10 20.16N 147.58E 10 5.2b,4.7
ISCJB I 04 20 39 10.7–1.1 19.93N–.03 146.93E–.03 17–8 4.9b,4.3s
MOS I 04 20 39 12.5–.89 19.95N 146.97E 33 5.1b,4.1s
NEIC I 04 20 39 14.9–.19 19.97N 147.01E 38 4.9b,4.1s
BJI I 04 20 39 16.6 20.34N 146.72E 39 5.2b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=12.2km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.9km az=7.4.
MOS Error ellipse: s-maj=11.5km s-min=5.9km az=110.3.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=5.0km az=87.0.
IDC I 04 20 48 16.5–2.5 19.90N 147.21E 0 3.9,3.7b
¶12080284
IDC Error ellipse: s-maj=69.0km s-min=28.2km az=0.0.
IDC I 04 21 42 20.7–8.6 19.99N 147.29E 0 3.6b,3.6
¶12080293
IDC Error ellipse: s-maj=331.7km s-min=28.7km az=81.0.
ISC I 04 22 24 14.6–.47 20.10N–.05 146.98E–.08 40 4.5b,3.7s 114 7-146
IDC I 04 22 24 08.4–.67 19.94N 147.06E 0 4.4,4.3 **¶11534693**
BJI I 04 22 24 10.2 20.01N 147.35E 35 5.0b,4.5s
NEIC I 04 22 24 13.8–.30 19.98N 146.98E 35 4.5b,4.5s
ISCJB I 04 22 24 13.0–.32 19.99N–.04 146.96E–.06 40 4.4b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 04 22 44 13.8–1.1 19.93N 147.13E 0 3.9,3.7b
¶12080302
IDC Error ellipse: s-maj=40.4km s-min=21.7km az=82.0.
ISC I 05 07 11 17.7–.35 20.07N–.04 147.02E–.06 40 4.8b,3.9s 469 7-149
BJI I 05 07 11 08.2 19.49N 147.91E 35 4.9b,4.6s **¶11528525**
IDC I 05 07 11 11.9–.53 20.04N 147.06E 0 4.5,4.5
MOS I 05 07 11 15.4–.90 20.06N 146.93E 33 4.9b,4.5
ISCJB I 05 07 11 16.5–.15 20.01N–.03 146.94E–.03 40 4.7b,3.8s
NEIC I 05 07 11 17.5–.20 20.05N 147.01E 35 4.9b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=10.8km az=87.0.
MOS Error ellipse: s-maj=12.5km s-min=7.3km az=99.6.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.1km az=168.6.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=5.4km az=92.0.
ISC I 05 13 49 58.2–2.0 20.0N–.20 147.4E–.40 34 4.1b 27 7-70
IDC I 05 13 49 53.2–2.2 19.98N 147.33E 0 4.0,3.9 **¶12080380**
ISCJB I 05 13 49 55.8–1.7 20.0N–.10 147.5E–.40 34 4.0b,3.9
NEIC I 05 13 49 58.4–1.2 19.96N 147.36E 35 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=78.6km s-min=15.7km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=54.8km s-min=10.6km az=166.4.
NEIC Event type se. Error ellipse: s-maj=39.8km s-min=8.0km az=77.0.
IDC I 06 10 28 20.4–6.7 21.92N 144.91E 135–62 3.8,3.7
¶12080492
IDC Error ellipse: s-maj=24.9km s-min=11.8km az=90.0.
IDC I 06 14 59 05.5–5.9 21.58N 143.07E 341–62 3.0,2.9
¶12080520
IDC Error ellipse: s-maj=25.7km s-min=15.1km az=92.0.
IDC I 12 13 16 25.9–.88 20.12N 146.89E 0 3.9,3.7
¶12081106
IDC Error ellipse: s-maj=31.3km s-min=20.7km az=101.0.
ISC I 13 16 31 50.0–.47 19.99N–.05 147.19E–.07 40 4.5b,4.2s 96 7-149
IDC I 13 16 31 44.2–.63 19.99N 147.30E 0 4.3,4.2 **¶11594611**
ISCJB I 13 16 31 48.1–.37 19.93N–.04 147.24E–.07 40 4.4b,4.1s
NEIC I 13 16 31 49.4–.27 19.95N 147.24E 35 4.7b,4.1s
BJI I 13 16 31 52.5 20.20N 146.56E 35 5.1b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=14.2km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.8km az=180.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.1km az=94.0.
ISC I 13 16 39 13.4–.46 19.99N–.05 147.16E–.07 40 4.5b,4.3s 111 7-149
IDC I 13 16 39 07.4–.57 19.98N 147.15E 0 4.5,4.4 **¶11594612**
ISCJB I 13 16 39 11.9–.32 19.94N–.04 147.12E–.06 40 4.5b,4.0s
NEIC I 13 16 39 13.3–.24 20.00N 147.09E 38 4.7b,4.0s
BJI I 13 16 39 14.5 20.15N 146.69E 35 5.0b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=12.2km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.5km az=176.1.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.5km az=92.0.
ISC I 13 18 45 44.5–.44 20.01N–.04 147.08E–.06 28–2 4.9b,4.2s 556 7-149
BJI I 13 18 45 40.8 19.83N 147.31E 27 5.3b,4.9b **¶11594617**
ISCJB I 13 18 45 43.0–.14 19.97N–.03 146.99E–.02 26 4.9b,4.2s
NEIC I 13 18 45 43.1–2.9 20.00N 147.09E 19–17 5.0b,4.2s
MOS I 13 18 45 43.6–.91 20.00N 147.02E 33 5.1b,4.2s
IDC I 13 18 45 45.6–3.4 20.00N 147.14E 38–30 4.7L,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=7.6.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.4km az=127.0.
MOS Error ellipse: s-maj=10.1km s-min=5.9km az=107.2.
IDC Error ellipse: s-maj=17.0km s-min=11.1km az=88.0.
ISC I 13 18 47 41.1–.96 20.0N–.10 147.0E–.30 40 4.3b 25 29-86
IDC I 13 18 47 35.1–1.1 19.95N 147.14E 0 4.3,4.2s **¶12081208**
ISCJB I 13 18 47 39.3–.89 19.94N–.10 147.0E–.30 40 4.3s,4.2b
NEIC I 13 18 47 40.6–.83 19.97N 147.00E 35 4.5b,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=17.7km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=36.5km s-min=12.3km az=168.0.
NEIC Event type se. Error ellipse: s-maj=34.8km s-min=11.7km az=78.0.
IDC I 13 19 41 18.2–9.7 19.57N 146.92E 0 3.8,3.6b
¶12081211
IDC Error ellipse: s-maj=339.1km s-min=42.4km az=14.0.
ISC I 13 20 04 04.0–.43 19.99N–.04 147.02E–.06 59–2 4.7b,4.0s 239 7-149
NEIC I 13 20 03 57.2–3.7 19.91N 147.10E 10–22 4.9b,4.0s **¶11594620**
MOS I 13 20 03 58.9–.89 19.95N 147.07E 33 5.0b,4.0s
ISCJB I 13 20 04 01.0–1.0 19.95N–.03 147.05E–.05 51–9 4.7b,3.9s
IDC I 13 20 04 01.4–5.0 20.02N 147.09E 33–37 4.6L,4.4
BJI I 13 20 04 01.7 20.05N 147.17E 58 5.2b,4.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.6km az=94.0.
MOS Error ellipse: s-maj=15.6km s-min=6.9km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.6km az=178.9.
IDC Error ellipse: s-maj=18.8km s-min=10.6km az=89.0.
ISC I 13 20 15 41.5–.44 20.07N–.05 147.06E–.08 40 4.5b,4.0s 141 7-149
IDC I 13 20 15 35.7–.52 20.03N 147.13E 0 4.7L,4.5 **¶11594621**
NEIC I 13 20 15 38.6–2.4 20.02N 147.10E 20–17 4.6b,4.5
ISCJB I 13 20 15 39.6–.29 19.98N–.04 147.06E–.05 40 4.4b,3.9s
BJI I 13 20 15 47.9 20.74N 146.24E 41 5.0b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=11.9km az=97.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.0km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=179.4.
ISC I 13 21 58 48.3–.44 19.88N–.05 147.04E–.06 76–2 4.7b 454 7-149
MOS I 13 21 58 41.9–1.0 20.00N 147.03E 33 4.7b **¶11594625**
ISCJB I 13 21 58 44.4–.94 19.94N–.04 146.92E–.03 49–8 4.7b,3.9s
IDC I 13 21 58 44.6–2.5 19.99N 147.06E 41–23 5.1L,4.3
NEIC I 13 21 58 46.5–.93 19.94N 147.00E 55–8 4.8b,4.3
BJI I 13 21 58 47.9 20.02N 146.86E 72 5.0b,4.7b
ISC Event type se.
MOS Error ellipse: s-maj=14.5km s-min=7.5km az=103.9.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.6km az=8.3.
IDC Error ellipse: s-maj=18.2km s-min=9.7km az=91.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.5km az=101.0.
IDC I 13 23 55 53.5–17 21.63N 143.23E 336–186 3.2,3.0b
¶12081231
IDC Error ellipse: s-maj=34.0km s-min=24.9km az=58.0.
IDC I 14 03 59 51.3–1.1 20.11N 147.27E 38–7 3.7,3.5
¶12081246
IDC Error ellipse: s-maj=39.8km s-min=25.8km az=108.0.
ISC I 14 08 12 58.2–.69 20.01N–.08 147.2E–.20 34 4.1b 29 7-86
IDC I 14 08 12 52.9–.83 19.98N 147.22E 0 4.8L,4.3 **¶12081256**
ISCJB I 14 08 12 56.5–.61 19.97N–.06 147.2E–.10 34 4.0b,4.3
NEIC I 14 08 12 59.5–2.1 19.92N 147.18E 49–22 4.1b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=18.8km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=8.0km az=11.1.

NEIC Event type se. Error ellipse: s-maj=16.5km s-min=15.1km az=65.0.
ISC I 14 12 40 01.0–.53 20.05N–.06 147.1E–.10 40 4.3b,3.4s 48 7-146
IDC I 14 12 39 55.4–.68 20.10N 147.13E 0 4.5L,4.3 ¶12081268
ISCJB I 14 12 39 59.2–.48 20.01N–.05 147.0E–.10 40 4.2b,3.3s
NEIC I 14 12 40 00.6–.35 20.09N 147.07E 35 4.4b,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=16.0km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=7.0km az=5.9.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.4km az=88.0.
IDC I 15 09 28 30.6–.81 21.98N 145.14E 0 4.0,3.8b
¶12081321
IDC Error ellipse: s-maj=35.3km s-min=21.2km az=92.0.
ISC I 16 22 15 23.3–3.2 20.0N–.20 147.2E–.60 35 3.7b 15 24-81
IDC I 16 22 15 17.8–1.1 19.97N 147.24E 0 4.0,3.8b ¶12081486
ISCJB I 16 22 15 21.3–.89 19.9N–.10 147.3E–.20 33 3.7b,3.8b
ISC Event type ke.
ISCJB Event type ke.
IDC I 17 07 00 20.8–4.2 19.98N 147.09E 60–40 4.6L,3.7
¶12081516
IDC Error ellipse: s-maj=25.1km s-min=16.6km az=86.0.
IDC I 17 19 08 11.0–7.2 21.95N 142.65E 330–73 2.8,2.7b
¶12081562
IDC Error ellipse: s-maj=41.0km s-min=19.0km az=78.0.
IDC I 18 10 46 56.6–1.8 21.65N 143.16E 289–17 3.2,3.1b
¶12081637
IDC Error ellipse: s-maj=22.7km s-min=12.1km az=88.0.
IDC I 18 11 54 52.9–5.0 19.98N 147.07E 66–46 4.5L,3.4
¶12081642
IDC Error ellipse: s-maj=42.5km s-min=20.3km az=81.0.
IDC I 19 12 09 28.6–3.1 20.28N 146.38E 0 3.7,3.6
¶12081753
IDC Error ellipse: s-maj=122.0km s-min=22.7km az=79.0.
IDC I 26 05 55 46.9–1.1 18.35N 147.12E 0 3.9,3.7b
¶12082357
IDC Error ellipse: s-maj=45.8km s-min=18.6km az=85.0.
IDC I 30 03 12 55.2–16 21.63N 143.09E 318–166 3.2,3.1b
¶12082710
IDC Error ellipse: s-maj=31.2km s-min=21.1km az=59.0.
IDC II 02 14 02 48.9–3.8 14.96N 143.41E 110–46 3.8s,3.8
¶15954896
IDC Error ellipse: s-maj=58.0km s-min=20.2km az=92.0.
IDC II 02 17 12 45.1–1.6 14.72N 147.82E 0 3.9,3.7
¶15954906
IDC Error ellipse: s-maj=40.0km s-min=22.0km az=91.0.
IDC II 04 16 07 27.3–2.2 15.49N 147.51E 0 3.7,3.6
¶15955017
IDC Error ellipse: s-maj=61.9km s-min=21.1km az=87.0.
IDC II 07 11 48 10.1–1.2 14.80N 147.02E 0 3.9,3.8
¶15955180
IDC Error ellipse: s-maj=35.7km s-min=26.7km az=96.0.
ISC II 08 20 39 50.0–2.0 21.27N–.08 144.5E–.10 125–16 4.3b 79 6-145
ISCJB II 08 20 39 49.7–1.8 21.24N–.06 144.6E–.10 142–15 4.2b ¶12699802
IDC II 08 20 39 50.0–2.6 21.28N 144.53E 123–22 3.9,3.9
NEIC II 08 20 39 51.0–1.4 21.25N 144.51E 136–12 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=10.4km az=175.8.
IDC Error ellipse: s-maj=19.2km s-min=12.1km az=93.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.1km az=85.0.
ISC II 09 01 17 55.9–.36 21.41N–.03 145.89E–.04 72–2 5.2b 911 7-151
IDC II 09 01 17 50.6–2.9 21.38N 146.02E 30–20 4.8s,4.8 ¶11667454
MOS II 09 01 17 51.6–.86 21.38N 145.83E 49 5.5b,5.0s
ISCJB II 09 01 17 53.0–.68 21.38N–.03 145.86E–.02 60–5 5.2b,5.0s
NEIC II 09 01 17 53.3–.83 21.43N 145.91E 49–7 5.2b,5.0s
BJI II 09 01 17 57.1 21.68N 145.44E 66 5.4b,5.3b
DJA II 09 01 18 08 21.44N 145.59E 165 5.0b,5.3b
ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=12.6km az=85.0.
MOS Error ellipse: s-maj=8.5km s-min=4.7km az=106.9.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.1km az=9.0.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.9km az=106.0.
IDC II 10 09 10 17.9–23 21.27N 145.96E 177–223 3.3,3.1
¶15955355
IDC Error ellipse: s-maj=41.7km s-min=29.5km az=114.0.
ISC II 11 13 51 30.3–.41 21.34N–.04 146.11E–.06 39–3 4.6b,4.2s 188 7-131
IDC II 11 13 51 23.9–.54 21.29N 146.22E 0 4.5,4.4 ¶11671870
BJI II 11 13 51 25.1 21.07N 146.32E 30 5.0b,4.7s
MOS II 11 13 51 27.4–1.2 21.34N 146.11E 33 4.9b,4.7s
ISCJB II 11 13 51 29.2–1.1 21.23N–.04 146.13E–.05 48–9 4.5b,4.0s
NEIC II 11 13 51 30.9–1.2 21.32N 146.12E 50–11 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=12.1km az=86.0.
MOS Error ellipse: s-maj=13.6km s-min=6.8km az=107.8.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.9km az=160.6.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.6km az=84.0.
ISC II 11 16 08 31.0–.54 21.26N–.06 146.4E–.10 35 4.4s,4.3b 73 8-93
IDC II 11 16 08 25.5–.58 21.19N 146.37E 0 4.3s,4.3 ¶12083083
ISCJB II 11 16 08 28.9–.43 21.21N–.04 146.34E–.09 33 4.3s,4.2b
NEIC II 11 16 08 31.5–1.3 21.21N 146.36E 41–12 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=13.3km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.3km az=176.6.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=77.0.
IDC II 12 08 35 17.1–1.0 21.62N 146.25E 0 5.5s,5.5
¶15955661
IDC Error ellipse: s-maj=29.0km s-min=24.0km az=40.0.
IDC II 13 15 17 35.3–1.0 21.32N 146.25E 0 3.9,3.6
¶15955947
IDC Error ellipse: s-maj=54.4km s-min=22.5km az=105.0.
IDC II 14 18 52 40.3–1.6 21.06N 145.48E 0 3.8,3.6L
¶15956079
IDC Error ellipse: s-maj=92.7km s-min=32.5km az=101.0.
IDC II 18 12 28 05.2–2.2 21.95N 143.24E 214–21 3.3,3.1
¶15956558
IDC Error ellipse: s-maj=26.1km s-min=12.8km az=92.0.
IDC II 19 03 20 14.4–19 21.67N 143.43E 200–191 3.3,3.1
¶15956685
IDC Error ellipse: s-maj=33.9km s-min=27.7km az=48.0.
IDC II 19 08 43 00.7–1.2 21.63N 143.66E 0 3.6,3.3
¶15956697
IDC Error ellipse: s-maj=51.9km s-min=27.6km az=106.0.
IDC II 22 12 33 58.5–2.1 21.68N 143.20E 294–17 3.3,3.2
¶15956939
IDC Error ellipse: s-maj=26.1km s-min=17.5km az=89.0.
IDC II 26 21 23 35.8–3.9 18.06N 147.53E 0 3.8,3.7
¶15957380
IDC Error ellipse: s-maj=153.1km s-min=28.0km az=83.0.
IDC II 28 18 03 58.6–1.2 15.14N 147.50E 47–8 3.6,3.5
¶15957538
IDC Error ellipse: s-maj=22.6km s-min=12.5km az=120.0.
ISC III 07 04 22 30.9–.55 21.65N–.07 143.0E–.10 311 3.8b 35 5-150
ISCJB III 07 04 22 29.7–.45 21.62N–.06 142.9E–.10 311 3.8b ¶12702613
IDC III 07 04 22 30.2–1.4 21.63N 143.01E 304–13 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=7.6km az=172.1.
IDC Error ellipse: s-maj=15.1km s-min=8.8km az=82.0.
ISC III 07 23 07 49.1–.64 21.69N–.09 143.1E–.10 311 3.9b 30 5-150
ISCJB III 07 23 07 47.5–.54 21.65N–.07 143.1E–.10 311 3.8b ¶12702670
IDC III 07 23 07 47.8–1.8 21.66N 143.13E 297–17 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=9.0km az=177.5.
IDC Error ellipse: s-maj=16.1km s-min=11.5km az=92.0.

IDC III 14 12 29 34.3–5.4 21.05N 146.41E 0 4.1,3.8b
¶12703255
IDC Error ellipse: s-maj=192.7km s-min=39.9km az=83.0.
IDC III 14 16 42 59.3–5.3 21.52N 143.08E 350–55 3.2,3.0
¶12703280
IDC Error ellipse: s-maj=26.3km s-min=14.2km az=88.0.
ISC III 16 03 33 00.9–.71 15.23N–.07 144.8E–.20 35 4.4b 37 2-134
IDC III 16 03 32 55.9–.85 15.34N 144.84E 0 4.2,4.0 ¶12703393
ISCJB III 16 03 32 59.1–.61 15.27N–.06 144.7E–.10 33 4.2b,3.6s
NEIC III 16 03 33 01.1–.44 15.28N 144.75E 35 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=16.5km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=6.8km az=167.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=6.5km az=78.0.
IDC III 16 07 42 51.2–1.7 17.69N 141.52E 0 4.5L,3.8
¶12703407
IDC Error ellipse: s-maj=64.5km s-min=19.3km az=66.0.
IDC III 17 02 39 56.4–8.2 18.18N 143.38E 0 3.7,3.6s
¶12703479
IDC Error ellipse: s-maj=224.3km s-min=49.0km az=17.0.
IDC III 17 05 09 20.1–.86 21.02N 143.72E 0 4.0,3.7
¶12703496
IDC Error ellipse: s-maj=42.2km s-min=21.0km az=103.0.
ISC III 17 18 08 38.2–.36 20.03N–.04 147.61E–.05 40–2 5.0b,3.8s 652 7-152
IDC III 17 18 08 32.2–.38 20.03N 147.62E 0 4.9,4.9 ¶11938413
ISCJB III 17 18 08 33.6–.99 20.02N–.03 147.49E–.02 15–6 5.0b,3.9s
MOS III 17 18 08 35.5–.79 20.04N 147.58E 33 5.3b,3.9s
GCMT III 17 18 08 37.8–.30 20.11N 147.75E 18–1 4.8W,3.9s
BJI III 17 18 08 37.2 20.19N 147.52E 37 5.2b,5.0b
NEIC III 17 18 08 37.5–2.0 20.04N 147.57E 34–14 5.0b,5.0b
DJA III 17 18 08 44.6–1.8 20N–8.0 147E–14 72–13 5.7,5.7b
ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s20,c21; s74,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.34±.16 $M_{\theta\theta}$0.54±.09; $M_{\phi\phi}$1.80±.11; $M_{r\theta}$-0.17±.21; $M_{\theta\phi}$-0.86±.05; $M_{\theta r}$-0.25±.19; Best double couple: NP1:ϕ_s147.00000°,δ43.00000°,λ-99.00000°. NP2:ϕ_s339.00000°,δ47.00000°,λ-82.00000°. Principal axes: T 2.2400,Plg2.0000° ,Azm63.0000°; N 0.1300,Plg6.0000°,Azm153.0000°; P -2.3700,Plg84.0000°,Azm317.0000° M_o2.30000×10^{16}
NEIC Event type se.
ISC III 18 14 34 07.2–1.4 21.8N–.20 143.6E–.30 35 3.3b 5 40-62
IDC III 18 14 34 02.0–1.4 21.79N 143.63E 0 3.5,3.3b ¶12703590
ISCJB III 18 14 34 04.8–1.4 21.8N–.20 143.5E–.40 33 3.3b,3.3b
ISC Event type ke.
ISCJB Event type ke.
IDC III 19 14 45 12.3–.73 17.52N 147.23E 0 4.2,4.1
¶12703687
IDC Error ellipse: s-maj=28.4km s-min=13.8km az=85.0.
IDC III 20 12 43 30.5–1.5 14.04N 147.04E 0 3.7,3.6L
¶12703814
IDC Error ellipse: s-maj=39.6km s-min=26.8km az=118.0.
IDC III 21 14 06 50.0–11 21.46N 143.97E 269–116 3.2,3.0b
¶12635188
IDC Error ellipse: s-maj=41.0km s-min=14.7km az=75.0.
IDC III 26 03 01 32.5–9.0 21.93N 142.85E 336–92 3.1,2.9b
¶12635608
IDC Error ellipse: s-maj=53.4km s-min=22.2km az=82.0.
IDC III 26 03 41 31.5–1.9 21.59N 143.09E 301–17 3.4,3.3
¶12635612
IDC Error ellipse: s-maj=20.8km s-min=13.2km az=93.0.
IDC III 26 10 18 32.8–2.5 21.93N 143.47E 197–22 3.6,3.5
¶12635629
IDC Error ellipse: s-maj=17.3km s-min=10.3km az=93.0.
IDC III 26 17 15 06.8–1.3 19.23N 146.35E 0 3.6,3.4b
¶12635644
IDC Error ellipse: s-maj=51.2km s-min=22.7km az=96.0.
IDC III 29 05 13 31.0–1.0 17.95N 148.07E 0 4.8L,4.1
¶12635840
IDC Error ellipse: s-maj=31.9km s-min=18.1km az=91.0.
IDC III 30 19 10 14.6–1.4 17.82N 148.55E 0 3.8L,3.7
¶12635974
IDC Error ellipse: s-maj=41.5km s-min=19.4km az=95.0.
IDC III 31 14 07 40.4–9.0 17.69N 148.00E 45–70 4.3L,3.2
¶12636033
IDC Error ellipse: s-maj=88.9km s-min=23.9km az=82.0.
IDC IV 06 07 08 07.5–7.0 14.25N 143.67E 0 3.7,3.5
¶16152440
IDC Error ellipse: s-maj=285.3km s-min=23.7km az=80.0.
IDC IV 08 04 00 31.0–17 21.56N 143.18E 315–177 3.2,3.0
¶16152532
IDC Error ellipse: s-maj=33.7km s-min=30.1km az=77.0.
ISC IV 08 15 41 01.6–.44 20.37N–.04 146.66E–.06 20–2 4.6b,4.3s 248 7-149
BJI IV 08 15 40 57.3 20.43N 146.72E 6 4.9b,4.7b ¶12103386
ISCJB IV 08 15 40 57.4–1.2 20.27N–.03 146.67E–.04 6–7 4.6b,4.2s
IDC IV 08 15 40 58.1–.41 20.28N 146.65E 0 4.5,4.5
NEIC IV 08 15 41 00.5–3.4 20.30N 146.64E 15–21 4.7b,4.5
MOS IV 08 15 41 01.3–1.1 20.27N 146.60E 33 5.0b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=170.5.
IDC Error ellipse: s-maj=14.7km s-min=9.5km az=90.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.1km az=91.0.
MOS Error ellipse: s-maj=10.8km s-min=5.9km az=105.6.
IDC IV 08 21 05 41.4–1.8 21.63N 143.10E 295–18 3.2,3.1
¶16152563
IDC Error ellipse: s-maj=25.1km s-min=11.1km az=93.0.
IDC IV 12 04 06 26.1–1.9 21.61N 143.06E 292–18 3.4,3.3
¶16152688
IDC Error ellipse: s-maj=24.3km s-min=14.2km az=91.0.
IDC IV 12 05 03 13.2–23 21.87N 143.17E 322–207 3.2,3.0
¶16152692
IDC Error ellipse: s-maj=150.5km s-min=31.6km az=179.0.
IDC IV 15 00 16 38.6–1.3 20.07N 146.48E 0 3.7,3.6
¶16152798
IDC Error ellipse: s-maj=36.9km s-min=26.4km az=83.0.
IDC IV 16 23 17 06.2–4.7 21.60N 143.12E 318–47 3.4,3.3
¶16152869
IDC Error ellipse: s-maj=20.9km s-min=13.6km az=87.0.
IDC IV 17 03 33 12.5–1.1 15.13N 144.85E 0 3.9,3.8
¶16152877
IDC Error ellipse: s-maj=40.1km s-min=16.2km az=83.0.
ISC IV 17 04 43 22.5–.53 15.04N–.06 144.8E–.20 35 4.2b,3.6s 55 1-96
IDC IV 17 04 43 17.0–.59 15.09N 144.84E 0 4.2,4.1 ¶12935512
NEIC IV 17 04 43 18.5–.32 15.06N 144.84E 10 4.6b,4.1
ISCJB IV 17 04 43 20.5–.43 15.07N–.05 144.7E–.10 33 4.1b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 20 06 25 22.8–.86 16.89N 147.16E 0 4.0,3.9
¶16153122
IDC Error ellipse: s-maj=28.0km s-min=17.9km az=100.0.
IDC IV 20 07 51 48.5–.94 18.35N 147.36E 0 4.5,4.5s
¶16153123
IDC Error ellipse: s-maj=31.0km s-min=17.7km az=95.0.
IDC IV 20 10 39 01.3–5.9 21.61N 143.09E 271–57 3.4,3.2b
¶16153130
IDC Error ellipse: s-maj=30.8km s-min=15.5km az=94.0.
IDC IV 24 00 42 44.0–.82 21.64N 143.90E 0 4.0,3.8
¶16153319
IDC Error ellipse: s-maj=39.7km s-min=19.9km az=105.0.
IDC IV 26 20 54 41.2–3.4 19.93N 143.64E 0 4.0,3.9
¶16154535

IDC Error ellipse: s-maj=84.0km s-min=41.6km az=8.0.
IDC IV 29 06 54 15.5–1.2 21.10N 146.61E 0 3.8,3.7
¶16154609

IDC Error ellipse: s-maj=52.3km s-min=22.5km az=91.0.
IDC IV 29 08 11 58.3–.90 21.09N 146.62E 0 4.0,3.8
¶16154612

IDC Error ellipse: s-maj=31.6km s-min=20.6km az=85.0.
IDC V 01 22 15 20.2–1.0 20.99N 143.45E 0 3.9,3.6b
¶16154718

IDC Error ellipse: s-maj=67.9km s-min=24.1km az=106.0.
IDC V 02 06 07 24.5–1.1 21.71N 145.52E 0 3.9,3.8L
¶16154827

IDC Error ellipse: s-maj=82.4km s-min=22.8km az=105.0.
IDC V 06 17 17 55.1–.94 20.83N 146.69E 41–8 3.5,3.3
¶16155459

IDC Error ellipse: s-maj=32.3km s-min=17.9km az=89.0.
IDC V 07 11 52 47.8–9.1 21.65N 143.09E 303–92 2.9,2.8
¶16155483

IDC Error ellipse: s-maj=45.4km s-min=16.4km az=82.0.
IDC V 10 03 51 34.6–13 20.60N 143.25E 0 3.9,3.7
¶16155567

IDC Error ellipse: s-maj=393.7km s-min=78.3km az=169.0.
IDC V 11 04 56 23.5–1.2 19.68N 146.05E 0 3.8,3.5
¶16155623

IDC Error ellipse: s-maj=129.9km s-min=20.2km az=116.0.
ISC V 14 05 48 55.0–.56 21.66N–.05 143.18E–.06 312–4 4.4b 210 5-150
BJI V 14 05 48 53.3 21.71N 143.22E 310 4.5b,4.3b **¶12821490**
ISCJB V 14 05 48 54.0–.62 21.64N–.04 143.14E–.04 314–5 4.4b,4.3b
JMA V 14 05 48 54.4–.30 21.78N 143.55E 325–2 5.1,4.3b
IDC V 14 05 48 54.9–1.9 21.61N 143.18E 315–18 4.2,4.2
NEIC V 14 05 48 55.7–.84 21.58N 143.11E 322–8 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=6.0km az=28.2.
JMA Error ellipse: s-maj=3.3km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=13.5km s-min=8.4km az=79.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=5.3km az=178.0.
IDC V 14 09 48 14.2–4.2 19.89N 143.70E 0 3.7,3.7L
¶16155737

IDC Error ellipse: s-maj=102.5km s-min=51.5km az=20.0.
IDC V 16 03 15 47.3–2.1 15.34N 143.83E 0 4.2,3.9
¶16155793

IDC Error ellipse: s-maj=189.0km s-min=25.8km az=113.0.
IDC V 24 03 32 58.6–2.0 21.69N 143.06E 305–19 3.8,3.7
¶16156082

IDC Error ellipse: s-maj=15.2km s-min=8.5km az=81.0.
IDC V 26 17 36 29.8–.76 19.85N 146.12E 56–6 3.8,3.6
¶16156188

IDC Error ellipse: s-maj=20.0km s-min=11.9km az=94.0.
IDC V 27 09 50 52.2–1.4 17.88N 147.21E 0 3.7,3.4
¶16156219

IDC Error ellipse: s-maj=62.3km s-min=30.9km az=110.0.
IDC V 29 12 21 12.6–6.3 21.65N 143.16E 294–63 3.3,3.1
¶16156309

IDC Error ellipse: s-maj=24.5km s-min=19.1km az=91.0.
IDC V 31 14 54 07.9–2.2 21.01N 145.49E 0 3.6,3.3
¶16066119

IDC Error ellipse: s-maj=369.9km s-min=23.5km az=111.0.
IDC VI 04 08 56 07.4–7.6 19.92N 147.00E 0 3.6,3.6
¶16100929

IDC Error ellipse: s-maj=285.5km s-min=32.7km az=80.0.
IDC VI 12 17 55 21.5–6.0 21.94N 144.02E 75–54 4.1L,3.8
¶16101248

IDC Error ellipse: s-maj=27.3km s-min=12.8km az=85.0.
IDC VI 13 17 32 50.4–1.4 21.25N 145.21E 0 3.7,3.4
¶16101286

IDC Error ellipse: s-maj=50.7km s-min=28.7km az=91.0.
IDC VI 14 03 04 51.5–3.6 21.61N 143.03E 338–36 3.5,3.4
¶16101302

IDC Error ellipse: s-maj=21.2km s-min=12.8km az=89.0.
IDC VI 21 04 32 40.9–23 21.52N 142.99E 380–260 3.0,2.9
¶16101559

IDC Error ellipse: s-maj=71.0km s-min=25.7km az=58.0.
ISC VI 22 23 36 49.8–.79 16.0N–.10 147.6E–.20 38 4.0b 34 22-146
IDC VI 22 23 36 44.3–.89 16.00N 147.65E 0 4.1s,4.1 **¶13681865**
ISCJB VI 22 23 36 47.7–.75 15.95N–.09 147.7E–.20 38 4.1s,4.0b
NEIC VI 22 23 36 49.4–.45 15.97N 147.62E 35 4.2b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=19.2km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=12.1km az=5.1.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.6km az=93.0.
IDC VI 28 00 44 28.9–3.7 21.60N 143.05E 308–37 3.4,3.3
¶16101803

IDC Error ellipse: s-maj=31.0km s-min=10.8km az=89.0.

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IDC I 03 12 47 31.7–9.8 16.77N 145.77E 325–103 3.0,2.9b
¶12079903

IDC Error ellipse: s-maj=43.2km s-min=14.6km az=79.0.
ISC I 03 17 27 17.5–.48 16.25N–.05 145.70E–.07 521–4 4.3b 169 3-156
BJI I 03 17 27 14.1 16.25N 145.99E 514 4.8b,4.5b **¶11534538**
ISCJB I 03 17 27 16.8–.51 16.28N–.04 145.73E–.05 525–6 4.2b,4.5b
NEIC I 03 17 27 17.8–.61 16.27N 145.70E 523–7 4.2b,4.5b
IDC I 03 17 27 18.2–.58 16.24N 145.68E 527–6 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=171.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.0km az=91.0.
IDC Error ellipse: s-maj=12.5km s-min=6.4km az=91.0.
IDC I 05 04 42 18.8–22 19.62N 145.45E 660–237 3.2,3.1b
¶12080330

IDC Error ellipse: s-maj=172.9km s-min=31.2km az=175.0.
IDC I 05 04 53 50.5–4.1 18.94N 145.15E 561–51 3.1,3.0b
¶12080333

IDC Error ellipse: s-maj=31.7km s-min=16.2km az=86.0.
ISC I 07 09 02 00.1–2.2 13.2N–.10 145.6E–.10 40–18 4.4b,3.6s 82 1-147
IDC I 07 09 01 54.2–.55 13.16N 145.61E 0 4.5,4.4 **¶11534056**
ISCJB I 07 09 01 55.4–6.4 13.11N–.07 145.55E–.09 15–39 4.4b,3.6s
BJI I 07 09 01 55.9 13.04N 145.24E 25 4.8b,4.6b
NEIC I 07 09 02 00.2–1.4 13.16N 145.45E 40–12 4.7b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=13.7km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=11.8km az=169.7.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.8km az=95.0.
IDC I 09 08 38 24.0–.70 13.50N 144.78E 96–7 3.7s,3.7
¶12080823

IDC Error ellipse: s-maj=38.9km s-min=18.3km az=103.0.
IDC I 09 21 46 39.1–.92 18.90N 145.73E 0 4.1,3.9b
¶12080891

IDC Error ellipse: s-maj=36.7km s-min=20.3km az=92.0.
IDC I 09 23 59 47.3–2.4 18.51N 145.68E 168–22 3.5,3.4
¶12080904

IDC Error ellipse: s-maj=24.1km s-min=13.7km az=95.0.
IDC I 11 01 49 32.0–1.6 18.88N 145.32E 637–20 3.3,3.2
¶12081001

IDC Error ellipse: s-maj=15.3km s-min=9.8km az=105.0.
IDC I 11 17 10 55.8–1.2 20.86N 144.74E 0 4.0,3.8b
¶12081045

IDC Error ellipse: s-maj=50.0km s-min=20.2km az=85.0.
ISC I 14 00 55 33.8–.71 18.0N–.10 146.5E–.20 50 4.2b 31 5-147
IDC I 14 00 55 26.9–.74 18.11N 146.54E 0 4.2,4.0 **¶12081237**
ISCJB I 14 00 55 32.2–.70 18.05N–.07 146.3E–.20 50 4.1b,3.5s
NEIC I 14 00 55 32.1–.49 18.11N 146.42E 35 4.2b,3.5s

ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=17.3km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=10.1km az=178.4.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=8.9km az=89.0.
IDC I 15 04 55 28.1–3.7 18.87N 146.76E 0 3.9,3.8b
¶12081308

IDC Error ellipse: s-maj=145.6km s-min=27.5km az=82.0.
IDC I 15 09 01 04.0–2.5 18.70N 145.54E 229–23 3.3,3.1
¶12081320

IDC Error ellipse: s-maj=35.4km s-min=19.4km az=97.0.
IDC I 18 09 09 50.5–1.3 14.17N 145.32E 92–10 3.5,3.2b
¶12081631

IDC Error ellipse: s-maj=46.6km s-min=21.1km az=104.0.
IDC I 18 19 52 00.5–1.2 19.16N 145.07E 0 3.8,3.7s
¶12081668

IDC Error ellipse: s-maj=185.8km s-min=20.4km az=113.0.
IDC I 20 05 58 50.5–2.9 18.72N 145.46E 632–40 3.0,3.0
¶12081839

IDC Error ellipse: s-maj=24.4km s-min=11.7km az=89.0.
IDC I 20 20 32 45.8–.93 19.33N 145.19E 0 4.0,3.7b
¶12081897

IDC Error ellipse: s-maj=76.3km s-min=20.5km az=109.0.
IDC I 21 12 42 49.8–9.6 18.95N 145.56E 250–92 3.6,3.4b
¶12081970

IDC Error ellipse: s-maj=31.7km s-min=16.3km az=78.0.
ISC I 23 18 39 33.5–.73 14.74N–.10 146.9E–.10 33 4.1b 42 2-146
IDC I 23 18 39 28.2–.85 14.77N 147.03E 0 4.4L,4.0 **¶12082154**
ISCJB I 23 18 39 31.2–.62 14.79N–.07 147.10E–.09 33 4.0b,4.0
NEIC I 23 18 39 35.8–.56 14.73N 146.91E 55 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=16.4km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=8.4km az=28.9.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=10.1km az=92.0.
ISC I 23 19 21 21.1–.40 17.02N–.05 146.19E–.09 98 4.4b 237 4-166
ISCJB I 23 19 21 20.4–.24 16.97N–.05 146.00E–.06 98 4.2b **¶12082157**
IDC I 23 19 21 25.4–1.4 17.03N 146.00E 140–12 4.0,3.9
NEIC I 23 19 21 26.0–.27 16.99N 146.07E 142 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.8km az=29.7.
IDC Error ellipse: s-maj=18.5km s-min=9.4km az=100.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.8km az=105.0.
ISC I 24 09 00 06.8–.72 13.8N–.10 145.1E–.10 117–5 4.0b 53 0-144
NEIC I 24 09 00 06.0–.40 13.80N 145.09E 111 4.3b **¶13433965**
ISCJB I 24 09 00 06.2–.62 13.76N–.08 145.0E–.10 126–5 4.0b
IDC I 24 09 00 06.4–.62 13.81N 145.10E 114–3 4.4s,4.4
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=15.4km s-min=9.3km az=102.0. Felt at Yigo.
ISCJB Event type fe. Error ellipse: s-maj=19.7km s-min=12.5km az=4.8.
IDC Error ellipse: s-maj=21.9km s-min=13.6km az=97.0.
IDC I 24 19 40 10.7–.76 15.03N 145.09E 264–7 3.2,3.0b
¶12082244

IDC Error ellipse: s-maj=26.9km s-min=15.1km az=92.0.
IDC I 25 11 37 07.4–3.2 17.82N 145.73E 347–31 3.1,3.1
¶12082302

IDC Error ellipse: s-maj=66.3km s-min=26.0km az=84.0.
ISC I 26 22 14 47.1–.95 14.1N–.10 145.6E–.20 100 3.7b 25 1-91
ISCJB I 26 22 14 45.4–.77 14.09N–.09 145.6E–.10 100 3.8b **¶12082423**
IDC I 26 22 14 46.8–1.1 14.06N 145.53E 97–9 3.7,3.6b
NEIC I 26 22 14 47.5–1.4 14.04N 145.54E 104–12 3.7b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=10.4km az=28.3.
IDC Error ellipse: s-maj=27.7km s-min=16.6km az=96.0.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=15.1km az=89.0.
IDC I 27 11 31 57.8–1.9 19.18N 145.49E 210–19 3.6,3.5
¶12082470

IDC Error ellipse: s-maj=16.8km s-min=10.8km az=86.0.
IDC I 28 07 10 10.8–1.2 15.59N 145.56E 200–15 3.6,3.5
¶12082552

IDC Error ellipse: s-maj=21.0km s-min=20.2km az=81.0.
IDC I 28 11 15 44.8–6.4 19.00N 145.28E 290–64 3.3,3.1b
¶12082565

IDC Error ellipse: s-maj=34.5km s-min=17.8km az=101.0.
IDC I 28 15 43 12.9–6.3 15.73N 145.98E 75–72 3.7L,3.7
¶12082586

IDC Error ellipse: s-maj=56.0km s-min=28.6km az=7.0.
IDC I 28 16 34 03.2–3.0 19.02N 145.50E 258–29 3.3,3.1b
¶12082590

IDC Error ellipse: s-maj=35.7km s-min=14.5km az=88.0.
IDC I 30 11 00 36.1–1.1 18.98N 145.54E 0 3.7,3.5
¶12082734

IDC Error ellipse: s-maj=58.3km s-min=23.5km az=106.0.
IDC I 31 20 02 20.8–7.9 14.55N 145.78E 0 3.8,3.6b
¶12082852

IDC Error ellipse: s-maj=309.1km s-min=22.4km az=82.0.
IDC II 01 17 52 32.8–1.4 16.13N 145.84E 221–11 3.3,3.2
¶15954836

IDC Error ellipse: s-maj=24.3km s-min=13.3km az=90.0.
IDC II 02 18 41 09.6–4.8 18.89N 145.50E 314–48 3.2,3.0
¶15954910

IDC Error ellipse: s-maj=25.3km s-min=15.2km az=89.0.
IDC II 03 05 37 50.5–.76 13.74N 144.95E 127–4 3.7,3.4
¶15954944

IDC Error ellipse: s-maj=38.7km s-min=17.3km az=96.0.
ISC II 04 02 32 41.6–.71 16.26N–.07 145.6E–.10 449–7 4.1b 231 3-148
ISCJB II 04 02 32 40.9–.57 16.29N–.05 145.48E–.06 449–7 4.0b **¶12699509**
IDC II 04 02 32 40.9–.67 16.29N 145.68E 441–7 3.7,3.6
NEIC II 04 02 32 42.0–.64 16.27N 145.62E 453–7 4.2b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=8.1km az=161.1.
IDC Error ellipse: s-maj=13.8km s-min=8.3km az=85.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.5km az=84.0.
ISC II 07 14 13 00.1–.60 13.4N–.10 144.4E–.10 129 3.9b 31 0-145
ISCJB II 07 14 12 58.5–.49 13.41N–.08 144.33E–.08 129 3.8b **¶15955183**
IDC II 07 14 12 59.7–.43 13.43N 144.47E 127–4 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=11.4km az=31.3.
IDC Error ellipse: s-maj=16.6km s-min=12.3km az=90.0.
IDC II 08 21 47 21.3–9.6 18.88N 145.06E 436–114 3.2,3.1
¶15955231

IDC Error ellipse: s-maj=28.9km s-min=16.4km az=63.0.
IDC II 09 18 25 30.4–2.3 19.20N 145.65E 196–23 3.4,3.1
¶15955311

IDC Error ellipse: s-maj=34.0km s-min=14.4km az=97.0.
IDC II 12 14 53 27.1–.68 14.15N 145.74E 88–5 3.8,3.7
¶15955729

IDC Error ellipse: s-maj=17.0km s-min=8.9km az=131.0.
IDC II 15 23 39 11.7–14 19.28N 145.27E 316–152 3.4,3.1
¶15956189

IDC Error ellipse: s-maj=30.6km s-min=21.7km az=50.0.
IDC II 16 19 20 08.6–2.9 14.02N 146.65E 0 3.8,3.7
¶15956300

IDC Error ellipse: s-maj=71.8km s-min=25.0km az=152.0.
IDC II 17 16 03 56.1–2.2 18.87N 145.59E 241–22 3.5,3.4
¶15956425

IDC Error ellipse: s-maj=21.8km s-min=12.5km az=85.0.
ISC II 17 21 50 37.8–.95 18.0N–.20 145.08E–.09 146–3 4.4b 93 9-94
IDC II 17 21 50 18.0–1.6 17.54N 145.21E 0 4.6,4.4 **¶11682571**
NEIC II 17 21 50 24.1–.39 17.64N 145.04E 35 4.7b,4.4
BJI II 17 21 50 36.8 17.84N 144.92E 139 5.0b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=21.8km az=178.0.

NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.3km az=3.0.
IDC II 18 00 33 13.1–.50 13.41N 144.62E 129–4 3.6,3.6
¶15956525

IDC Error ellipse: s-maj=23.2km s-min=14.0km az=91.0.
ISC II 19 13 18 25.7–.53 17.56N–.09 145.2E–.10 25 4.5b,3.6s 70 18-157
IDC II 19 13 18 22.1–.59 17.56N 145.18E 0 4.4,4.2 **¶12701250**
NEIC II 19 13 18 23.5–.25 17.55N 145.20E 10 4.8b,4.2
ISCJB II 19 13 18 24.1–.39 17.54N–.06 145.11E–.08 25 4.5b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 22 06 05 02.4–1.8 15.20N 145.94E 145–19 3.4,3.2
¶15956922

IDC Error ellipse: s-maj=30.9km s-min=23.6km az=97.0.
IDC II 22 15 51 52.3–1.1 13.09N 144.18E 0 3.8s,3.8
¶15956955

IDC Error ellipse: s-maj=34.0km s-min=15.5km az=131.0.
IDC II 23 18 20 30.1–1.3 18.99N 145.62E 0 3.9,3.6
¶15957075

IDC Error ellipse: s-maj=52.0km s-min=21.0km az=91.0.
IDC II 24 10 06 29.3–.54 13.94N 144.94E 133–2 3.8,3.7
¶15957156

IDC Error ellipse: s-maj=25.4km s-min=12.6km az=93.0.
IDC II 25 01 35 08.6–11 14.31N 145.81E 0 3.7,3.5
¶15957229

IDC Error ellipse: s-maj=435.6km s-min=30.1km az=82.0.
IDC II 25 05 27 33.1–.91 18.79N 145.68E 0 4.2,3.8
¶15957236

IDC Error ellipse: s-maj=48.9km s-min=21.2km az=110.0.
IDC II 25 19 15 27.1–.98 13.53N 145.92E 0 3.7,3.6
¶15957269

IDC Error ellipse: s-maj=46.2km s-min=18.9km az=100.0.
IDC II 26 01 04 53.7–16 18.43N 144.95E 429–178 3.2,3.0
¶15957329

IDC Error ellipse: s-maj=139.4km s-min=22.6km az=79.0.
IDC II 28 09 23 52.3–1.6 18.60N 145.59E 217–16 3.7,3.6
¶15957512

IDC Error ellipse: s-maj=20.3km s-min=8.5km az=88.0.
ISC II 28 20 00 22.0–.47 13.82N–.05 144.79E–.08 154–2 4.4b 135 0-155
ISCJB II 28 20 00 20.9–.55 13.84N–.04 144.84E–.08 160–5 4.4b **¶11788676**
BJI II 28 20 00 20.5 13.80N 144.60E 150 4.5b,4.5b
IDC II 28 20 00 21.4–.31 13.77N 144.91E 152–2 4.0,3.9
NEIC II 28 20 00 22.2–.76 13.84N 144.83E 156–7 4.4b,3.9
DJA II 28 20 00 22.4–.90 14N–8.0 145E–19 147–7 5.7b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 03 19 49 15.6–1.3 13.54N 145.17E 88–6 3.4,3.2b
¶12702379

IDC Error ellipse: s-maj=32.8km s-min=18.4km az=87.0.
ISC III 04 20 45 29.6–.29 16.19N–.03 145.80E–.04 147–2 5.1b 809 3-167
BJI III 04 20 45 27.0 16.34N 146.16E 145 5.1b,5.0b **¶11752977**
ISCJB III 04 20 45 28.4–.69 16.23N–.03 145.73E–.02 139–6 5.1b,5.0b
MOS III 04 20 45 28.9–1.2 16.25N 145.68E 154 5.1b,5.0b
IDC III 04 20 45 29.5–.39 16.18N 145.66E 148–3 4.5,4.5
NEIC III 04 20 45 29.4–.16 16.21N 145.78E 141 5.2b,4.5
DJA III 04 20 45 31.3–1.3 16N–7.0 146E–15 150–9 5.6b,5.3b
GCMT III 04 20 45 33.2–.30 16.23N 145.88E 152–2 5.0W,5.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.2km az=170.7.
MOS Error ellipse: s-maj=9.4km s-min=6.2km az=100.2.
IDC Error ellipse: s-maj=9.5km s-min=5.1km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=153.0. Felt on Saipan.
GCMT Event type se. Data Used: IC G IU CN II. Moment Tensor Solution. s23,c26; s65,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.97±.11 $M_{\theta\theta}$3.23±.14; $M_{\phi\phi}$-0.26±.15; $M_{r\theta}$-0.68±.13; $M_{\theta\phi}$-1.65±.17; $M_{\phi r}$-0.23±.12; Best double couple: NP1:ϕ_s304.00000°,δ42.00000°,λ-72.00000°. NP2:ϕ_s100.00000°,δ51.00000°,λ-105.00000°. Principal axes: T 3.9300,Plg5.0000° ,Azm201.0000°; N -0.8200,Plg12.0000°,Azm110.0000°; P -3.1100,Plg77.0000° ,Azm312.0000° $M_0$3.50000×10^{16}
IDC III 05 01 18 15.9–13 19.00N 145.51E 348–147 3.0,2.8b
¶12702465

IDC Error ellipse: s-maj=42.8km s-min=28.2km az=85.0.
IDC III 05 15 18 28.1–2.2 20.01N 145.46E 146–19 3.4,3.3
¶12702496

IDC Error ellipse: s-maj=41.1km s-min=11.4km az=80.0.
IDC III 05 17 55 17.0–2.7 15.28N 146.06E 88–25 3.5,3.3b
¶12702507

IDC Error ellipse: s-maj=33.0km s-min=20.0km az=94.0.
IDC III 06 00 20 05.7–4.3 17.28N 146.59E 75–40 4.3L,3.6
¶12702528

IDC Error ellipse: s-maj=29.7km s-min=17.9km az=90.0.
ISC III 07 07 26 17.8–.91 18.7N–.10 147.0E–.20 52 4.0b,3.6s 29 19-87
IDC III 07 07 26 10.6–.98 18.69N 147.03E 0 3.9,3.8 **¶12702624**
ISCJB III 07 07 26 16.1–.77 18.69N–.09 147.0E–.20 52 4.0b,3.5s
NEIC III 07 07 26 21.0–4.4 18.66N 146.96E 81–40 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=19.6km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=29.7km s-min=12.9km az=178.1.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=10.0km az=88.0.
IDC III 07 09 41 37.3–2.6 19.02N 145.47E 252–26 3.5,3.4b
¶12702631

IDC Error ellipse: s-maj=48.4km s-min=14.2km az=98.0.
IDC III 11 20 52 07.4–.82 13.69N 144.95E 103–7 3.4,3.3s
¶12703010

IDC Error ellipse: s-maj=47.9km s-min=25.2km az=108.0.
IDC III 13 23 05 26.4–5.8 18.94N 145.42E 316–60 3.1,3.0
¶12703202

IDC Error ellipse: s-maj=32.4km s-min=14.1km az=90.0.
IDC III 14 14 02 43.1–9.4 19.24N 145.43E 252–94 3.4s,3.4
¶12703262

IDC Error ellipse: s-maj=27.4km s-min=13.7km az=83.0.
IDC III 14 17 04 36.2–2.6 18.52N 145.86E 147–26 3.6,3.4b
¶12703281

IDC Error ellipse: s-maj=23.1km s-min=14.3km az=101.0.
IDC III 14 19 53 29.2–1.5 19.22N 145.53E 0 3.5,3.2b
¶12703293

IDC Error ellipse: s-maj=58.8km s-min=31.4km az=104.0.
ISC III 15 04 40 51.8–.43 18.20N–.06 145.5E–.10 250 4.2b 89 5-151
ISCJB III 15 04 40 50.5–.31 18.22N–.04 145.52E–.07 250 4.1b **¶12703326**
NEIC III 15 04 40 52.8–.98 18.20N 145.52E 259–9 4.3b
IDC III 15 04 40 52.1–1.3 18.22N 145.52E 253–13 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.7km az=179.4.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.7km az=78.0.
IDC Error ellipse: s-maj=13.9km s-min=9.2km az=85.0.
IDC III 18 21 27 09.6–13 18.66N 145.54E 326–139 3.4,3.2s
¶12703614

IDC Error ellipse: s-maj=35.7km s-min=19.6km az=80.0.
IDC III 19 20 34 18.8–4.3 13.40N 145.83E 48–31 3.7,3.6b
¶12703729

IDC Error ellipse: s-maj=117.8km s-min=34.6km az=5.0.
IDC III 21 17 38 48.4–8.2 19.70N 145.48E 160–76 3.3,3.2b
¶12635204

IDC Error ellipse: s-maj=32.7km s-min=13.2km az=85.0.
IDC III 21 18 31 17.7–1.4 14.18N 145.55E 104–12 3.5,3.3b
¶12635206

IDC Error ellipse: s-maj=39.1km s-min=19.5km az=100.0.
IDC III 21 21 42 05.0–3.6 13.62N 144.04E 103–76 3.2,2.9b
¶12635224

IDC Error ellipse: s-maj=159.1km s-min=24.7km az=82.0.
IDC III 25 06 02 16.6–1.4 18.85N 145.56E 0 4.0s,4.0
¶12635526

IDC Error ellipse: s-maj=68.7km s-min=28.9km az=99.0.
IDC III 25 14 34 07.3–2.9 14.49N 146.13E 78–25 3.5,3.4b
¶12635568

IDC Error ellipse: s-maj=30.9km s-min=19.0km az=89.0.
IDC III 26 06 53 32.1–5.3 18.87N 145.47E 316–54 3.2,3.0b
¶12635621

IDC Error ellipse: s-maj=28.8km s-min=14.9km az=91.0.
IDC III 27 02 54 37.1–3.5 17.12N 146.16E 128–28 3.7,3.5
¶12635673

IDC Error ellipse: s-maj=44.2km s-min=19.3km az=82.0.
IDC III 27 07 51 14.0–7.1 19.15N 145.27E 159–65 3.6,3.4b
¶12635691

IDC Error ellipse: s-maj=36.4km s-min=15.7km az=95.0.
IDC III 29 03 44 02.0–.74 19.11N 145.52E 192–6 3.7,3.7
¶12635834

IDC Error ellipse: s-maj=14.8km s-min=6.9km az=92.0.
IDC III 29 05 41 59.3–6.1 16.65N 146.82E 90–64 4.7L,3.5
¶12635842

IDC Error ellipse: s-maj=235.1km s-min=22.0km az=111.0.
IDC III 30 02 55 23.4–.99 13.65N 145.03E 64–9 3.8,3.5b
¶12635907

IDC Error ellipse: s-maj=30.5km s-min=18.9km az=99.0.
ISC III 31 15 29 31.7–.25 18.32N–.03 145.78E–.03 191–1 5.4b 1111 5-167
NIED III 31 15 29 00 19.00N 146.10E 135 5.4W **¶13437725**
BJI III 31 15 29 24.5 18.05N 146.57E 188 4.9b,4.9b
ISCJB III 31 15 29 29.6–.57 18.35N–.02 145.72E–.02 175–5 5.4b,4.9b
MOS III 31 15 29 30.1–1.1 18.35N 145.58E 187 5.3b,4.0s
NEIC III 31 15 29 31.9–.12 18.31N 145.72E 188 5.4b,5.4W
IDC III 31 15 29 32.1–.49 18.35N 145.81E 195–4 4.9,4.9
DJA III 31 15 29 33.1–1.0 18N–5.0 146E–4.0 189–9 6.3,6.1
GCMT III 31 15 29 33.6–.10 18.33N 145.97E 174–0 5.5W,6.1
JMA III 31 15 29 35.1–.40 18.95N 146.10E 198 5.6,6.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s137.00000°,δ69.00000°,λ-50.00000°. NP2:ϕ_s250.00000°,δ45.00000°,λ-149.00000°. $M_0$1.31000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=153.3.
MOS Error ellipse: s-maj=7.7km s-min=5.1km az=96.1.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=3.3km az=136.0. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.30 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-0.16 $M_{r\theta}$-0.51 $M_{\theta\phi}$-0.17 $M_{\phi r}$1.19 Best double couple: NP1:ϕ_s152.00000°,δ85.00000°,λ-74.00000°. NP2:ϕ_s259.00000° ,δ16.00000°,λ-162.00000°. Principal axes: T 1.2600,Plg38.0000°,Azm227.0000° ; N 0.2000,Plg15.0000°,Azm330.0000°; P -1.4600,Plg47.0000°,Azm78.0000° $M_0$1.40000×10^{17}
IDC Error ellipse: s-maj=8.8km s-min=6.0km az=84.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=226, per= 50. Moment Tensor Solution. s96,c176; s26,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.77±.02 $M_{\theta\theta}$1.64±.02; $M_{\phi\phi}$-0.87±.03; $M_{r\theta}$-0.62±.02; $M_{\theta\phi}$-0.60±.03; $M_{\phi r}$1.26±.02; Best double couple: NP1:ϕ_s246.00000°,δ43.00000°,λ-158.00000°. NP2:ϕ_s140.00000°,δ75.00000°,λ-49.00000°. Principal axes: T 2.0900,Plg19.0000°,Azm200.0000°; N -0.0100,Plg40.0000°,Azm307.0000° ; P -2.0800,Plg44.0000°,Azm90.0000° $M_0$2.10000×10^{17}
JMA Error ellipse: s-maj=3.3km s-min=7.4km az=-1.0.
ISC IV 04 16 58 51.0–.67 13.2N–.10 145.78E–.09 50 4.2b,3.6s 59 1-145
IDC IV 04 16 58 43.9–.74 13.23N 145.91E 0 4.2,4.1 **¶12934454**
ISCJB IV 04 16 58 48.9–.46 13.17N–.07 145.82E–.07 50 4.2b,3.6s
NEIC IV 04 16 58 50.1–1.6 13.20N 145.77E 43–13 4.3b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=16.0km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=9.1km az=138.5.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.4km az=90.0.
IDC IV 05 03 31 46.3–.79 18.98N 145.54E 226–8 3.8,3.6
¶16152398

IDC Error ellipse: s-maj=20.6km s-min=8.6km az=90.0.
IDC IV 06 22 21 46.0–.62 13.36N 144.72E 141–4 3.4,3.3
¶16152481

IDC Error ellipse: s-maj=24.9km s-min=15.9km az=92.0.
IDC IV 07 00 02 31.6–17 17.19N 145.64E 381–203 3.0,2.9
¶16152485

IDC Error ellipse: s-maj=47.2km s-min=19.9km az=70.0.
IDC IV 09 07 32 31.4–2.8 18.78N 145.46E 586–37 3.0,2.9
¶16152578

IDC Error ellipse: s-maj=65.4km s-min=13.7km az=81.0.
IDC IV 10 22 47 42.1–.81 19.02N 144.82E 0 3.9,3.8
¶16152642

IDC Error ellipse: s-maj=30.5km s-min=18.0km az=87.0.
IDC IV 11 12 17 01.3–1.1 18.99N 145.09E 0 3.6,3.4
¶16152664

IDC Error ellipse: s-maj=56.5km s-min=22.8km az=105.0.
IDC IV 12 08 51 49.1–.99 19.78N 144.11E 0 3.8,3.5
¶16152697

IDC Error ellipse: s-maj=45.5km s-min=23.0km az=97.0.
IDC IV 12 10 12 56.0–6.5 18.89N 145.37E 240–65 3.3,3.1
¶16152706

IDC Error ellipse: s-maj=36.5km s-min=14.8km az=98.0.
ISC IV 14 10 17 45.9–.40 18.49N–.05 145.70E–.06 191–2 4.3b 300 5-150
BJI IV 14 10 17 41.5 18.41N 146.18E 192 4.7b,4.4b **¶12582979**
ISCJB IV 14 10 17 43.4–.86 18.60N–.04 145.59E–.05 170–8 4.4b,4.4b
IDC IV 14 10 17 45.0–.63 18.48N 145.59E 184–5 4.1,4.0
NEIC IV 14 10 17 45.9–.96 18.51N 145.62E 188–9 4.3b,4.0
DJA IV 14 10 17 59.3–2.0 17N–21 146E–7.0 232–9 5.2b,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IV 15 08 16 02.1–2.4 13.67N 145.64E 73–17 3.8,3.6
¶16152809

IDC Error ellipse: s-maj=89.1km s-min=28.9km az=171.0.
IDC IV 16 22 04 47.0–1.2 19.65N 144.82E 0 4.0,3.7
¶16152861

IDC Error ellipse: s-maj=95.4km s-min=28.9km az=108.0.
IDC IV 17 02 45 01.8–1.3 14.99N 144.81E 0 4.0,3.8
¶16152875

IDC Error ellipse: s-maj=43.8km s-min=18.1km az=79.0.
IDC IV 17 04 02 06.2–1.4 14.89N 145.26E 0 3.8,3.6
¶16152880

IDC Error ellipse: s-maj=54.5km s-min=18.1km az=97.0.
ISC IV 17 05 25 46.0–.56 15.00N–.06 144.8E–.20 35 4.1b,3.1s 41 1-144
IDC IV 17 05 25 40.8–.67 15.09N 144.84E 0 4.1,4.0 **¶12935496**
NEIC IV 17 05 25 46.5–1.7 14.97N 144.74E 39–16 4.4b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=14.1km az=88.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=9.7km az=84.0.
IDC IV 17 05 46 55.1–1.1 14.87N 144.68E 0 3.9,3.8
¶12840209

IDC Error ellipse: s-maj=38.4km s-min=13.4km az=81.0.
ISC IV 17 06 31 05.6–.64 18.25N–.09 145.6E–.10 185–5 4.2b 191 23-149
IDC IV 17 06 31 05.4–.84 18.24N 145.67E 185–7 4.0,3.8 **¶12935492**
NEIC IV 17 06 31 05.4–.22 18.21N 145.67E 185 4.2b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=11.2km az=104.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.0km az=121.0.
IDC IV 17 06 34 47.9–1.0 14.80N 144.65E 0 3.9,3.8
¶16152883

IDC Error ellipse: s-maj=38.0km s-min=14.1km az=79.0.
ISC IV 17 06 45 39.0–.69 14.72N–.09 144.5E–.20 27 4.1b,3.1s 36 1-134
IDC IV 17 06 45 35.1–.88 14.78N 144.46E 0 4.1,4.0 **¶12935489**
NEIC IV 17 06 45 36.5–.52 14.77N 144.46E 10 4.6b,4.0
ISCJB IV 17 06 45 37.4–.54 14.76N–.07 144.4E–.20 27 4.1b,3.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 17 07 04 18.0–.49 14.77N–.05 144.58E–.08 16–2 4.7b,4.2s 156 1-155

BJI IV 17 07 04 08.6 14.20N 145.21E 10 5.0b,4.8b ¶12607817
ISCJB IV 17 07 04 14.8–1.3 14.80N–.04 144.50E–.06 5–8 4.6b,4.1s
IDC IV 17 07 04 15.4–.48 14.85N 144.53E 0 4.6,4.5
NEIC IV 17 07 04 20.3–3.0 14.82N 144.53E 31–21 4.7b,4.5
GCMT IV 17 07 04 24.0–.20 14.81N 144.29E 16–0 5.0W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.3km az=159.7.
IDC Error ellipse: s-maj=20.8km s-min=10.6km az=73.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.3km az=78.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s30,c36; s73,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.94±.23 $M_{\theta\theta}$1.60±.14; $M_{\phi\phi}$2.34±.16; $M_{r\theta}$1.39±.46; $M_{\theta\phi}$2.31±.10; $M_{\phi r}$0.31±.45; Best double couple: NP1:ϕ_s28.00000°,δ39.00000°,λ-109.00000°. NP2:ϕ_s232.00000°,δ54.00000°,λ-75.00000°. Principal axes: T 4.4700,Plg8.0000° ,Azm312.0000°; N -0.1900,Plg12.0000°,Azm44.0000°; P -4.2800,Plg76.0000° ,Azm189.0000° $M_0$4.40000×10^{16}
ISC IV 17 07 17 57.3–.75 14.75N–.09 144.5E–.20 22 4.0b 29 1-86
IDC IV 17 07 17 54.1–.91 14.78N 144.45E 0 4.0,3.8 ¶12935488
ISCJB IV 17 07 17 55.8–.61 14.79N–.07 144.4E–.20 22 4.0b,3.3s
NEIC IV 17 07 17 55.5–.51 14.79N 144.52E 10 4.6b,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=14.9km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=7.3km az=161.6.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=7.1km az=81.0.
ISC IV 17 07 39 58.0–.60 14.77N–.08 144.5E–.20 22 4.2b,3.4s 38 1-134
IDC IV 17 07 39 54.8–.77 14.83N 144.50E 0 4.1,4.0 ¶12935485
NEIC IV 17 07 39 56.2–.39 14.81N 144.49E 10 4.5b,4.0
ISCJB IV 17 07 39 56.4–.51 14.81N–.06 144.4E–.10 22 4.1b,3.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 17 08 13 44.2–1.0 14.81N 144.53E 0 3.8,3.6
¶16152889
IDC Error ellipse: s-maj=33.5km s-min=20.0km az=70.0.
IDC IV 17 09 07 43.0–1.0 14.95N 144.72E 0 3.6,3.4
¶16152894
IDC Error ellipse: s-maj=44.8km s-min=18.3km az=89.0.
ISC IV 17 09 16 00.3–.53 14.85N–.06 144.8E–.10 35 4.5b,3.8s 77 1-148
BJI IV 17 09 15 46.2 13.86N 145.43E 10 5.0b,4.8b ¶12840208
IDC IV 17 09 15 55.3–.62 14.94N 144.65E 0 4.3,4.2
NEIC IV 17 09 15 56.9–.38 14.89N 144.67E 10 4.6b,4.2
DJA IV 17 09 15 56.1–2.6 15N–17 145E–30 10 5.3b,4.9b
ISCJB IV 17 09 15 58.6–.47 14.91N–.04 144.72E–.10 33 4.4b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 17 09 43 18.9–1.1 14.89N 144.91E 0 3.6,3.4
¶16152897
IDC Error ellipse: s-maj=51.1km s-min=20.4km az=92.0.
IDC IV 17 10 02 18.6–3.4 14.85N 144.69E 0 3.7,3.5
¶16152899
IDC Error ellipse: s-maj=99.8km s-min=21.7km az=68.0.
ISC IV 17 10 05 49.5–.56 14.81N–.07 144.6E–.10 22 4.1b,3.0s 41 1-90
IDC IV 17 10 05 46.2–.80 14.86N 144.59E 0 4.1,4.0b ¶12935468
NEIC IV 17 10 05 47.6–.33 14.83N 144.60E 10 4.2b,4.0b
ISCJB IV 17 10 05 47.9–.45 14.85N–.05 144.5E–.10 22 4.0b,3.2s
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
IDC IV 17 10 59 19.0–.84 14.86N 144.70E 0 4.0,3.8
¶16152901
IDC Error ellipse: s-maj=32.4km s-min=15.7km az=86.0.
ISC IV 17 11 08 42.2–.71 14.79N–.09 144.5E–.20 22 3.7b 20 1-90
IDC IV 17 11 08 39.1–.79 14.86N 144.52E 0 3.9,3.8 ¶16152902
ISCJB IV 17 11 08 40.6–.58 14.82N–.07 144.4E–.10 22 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IV 17 11 19 27.6–.45 14.82N–.04 144.58E–.07 15–2 4.9b,4.2s 215 1-148
BJI IV 17 11 19 23.8 14.72N 144.60E 10 5.1b,4.8b ¶12608095
ISCJB IV 17 11 19 24.8–1.2 14.85N–.03 144.51E–.05 7–7 4.8b,4.1s
IDC IV 17 11 19 25.1–.48 14.86N 144.55E 0 4.5,4.5
DJA IV 17 11 19 27.1–1.0 15N–7.0 145E–13 10 5.6b,5.2b
NEIC IV 17 11 19 29.3–2.8 14.84N 144.47E 26–19 4.8b,5.2b
GCMT IV 17 11 19 31.9–.20 14.84N 144.32E 15–0 5.0W,5.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=175.9.
IDC Error ellipse: s-maj=17.9km s-min=9.8km az=81.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=78.0.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s30,c38; s70,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.78±.20 $M_{\theta\theta}$1.48±.12; $M_{\phi\phi}$1.30±.15; $M_{r\theta}$2.40±.40; $M_{\theta\phi}$2.43±.09; $M_{\phi r}$-0.48±.41; Best double couple: NP1:ϕ_s18.00000°,δ41.00000°,λ-139.00000°. NP2:ϕ_s255.00000°,δ64.00000°,λ-57.00000°. Principal axes: T 4.1400,Plg13.0000° ,Azm321.0000°; N 0.1300,Plg30.0000°,Azm59.0000°; P -4.2700,Plg57.0000°,Azm211.0000° $M_0$4.20000×10^{16}
IDC IV 17 11 42 54.5–.96 14.70N 144.39E 0 3.9,3.8
¶16152905
IDC Error ellipse: s-maj=38.7km s-min=15.3km az=68.0.
IDC IV 17 11 46 13.5–1.1 14.79N 144.57E 0 3.6,3.3
¶16152906
IDC Error ellipse: s-maj=39.3km s-min=16.8km az=76.0.
ISC IV 17 11 50 36.4–.46 14.83N–.05 144.47E–.07 16–1 4.7b,4.0s 141 1-149
DJA IV 17 11 50 32.7–2.8 15N–20 145E–30 10 5.2b,5.0b ¶12608096
IDC IV 17 11 50 33.7–.51 14.87N 144.43E 0 4.3,4.2
BJI IV 17 11 50 33.2 14.80N 144.50E 10 4.9b,4.7b
ISCJB IV 17 11 50 34.1–1.4 14.87N–.04 144.50E–.07 13–9 4.5b,4.0s
NEIC IV 17 11 50 36.5–4.2 14.84N 144.47E 18–26 4.8b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=10.9km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=166.5.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.2km az=76.0.
IDC IV 17 11 59 38.2–3.2 14.79N 144.66E 0 3.7,3.4
¶16152907
IDC Error ellipse: s-maj=98.9km s-min=18.9km az=68.0.
IDC IV 17 12 01 56.8–.71 14.90N 144.65E 0 3.9,3.9
¶16152908
IDC Error ellipse: s-maj=26.8km s-min=14.9km az=85.0.
IDC IV 17 12 18 11.7–1.0 14.75N 144.36E 0 3.8,3.6
¶16152909
IDC Error ellipse: s-maj=36.0km s-min=17.4km az=71.0.
IDC IV 17 12 28 41.0–1.7 14.78N 144.60E 0 3.9,3.7
¶16152910
IDC Error ellipse: s-maj=65.4km s-min=17.2km az=72.0.
IDC IV 17 12 30 06.4–.90 14.85N 144.74E 0 3.8,3.6
¶12935452
IDC Error ellipse: s-maj=32.4km s-min=15.8km az=83.0.
ISC IV 17 12 31 00.6–.67 14.79N–.07 144.6E–.20 22 4.2b 44 1-148
IDC IV 17 12 30 57.3–.81 14.83N 144.64E 0 4.2,4.1 ¶16152911
NEIC IV 17 12 30 58.9–.46 14.83N 144.65E 10 4.5b,4.1
ISCJB IV 17 12 30 59.2–.57 14.81N–.06 144.5E–.20 22 4.1b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 17 12 53 12.5–.95 14.88N 144.81E 0 3.9,3.6
¶16152913
IDC Error ellipse: s-maj=32.5km s-min=17.8km az=87.0.
ISC IV 17 12 59 34.1–.64 14.78N–.07 144.6E–.20 22 4.1b,3.2s 38 1-90
IDC IV 17 12 59 30.1–.88 14.83N 144.79E 0 4.1,3.9 ¶12935449
ISCJB IV 17 12 59 32.0–.67 14.87N–.06 144.7E–.20 22 4.0b,3.2s
NEIC IV 17 12 59 32.4–.58 14.81N 144.61E 10 4.3b,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=11.9km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=27.6km s-min=6.7km az=168.4.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=8.7km az=82.0.
ISC IV 17 13 21 42.9–.54 14.79N–.07 144.6E–.10 22 4.2b,3.6s 50 1-148
IDC IV 17 13 21 39.7–.63 14.86N 144.66E 0 4.2,4.2 ¶12935447
ISCJB IV 17 13 21 41.2–.45 14.82N–.05 144.6E–.10 22 4.1b,3.6s
NEIC IV 17 13 21 41.1–.39 14.82N 144.62E 10 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=12.2km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=5.3km az=164.8.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=7.2km az=84.0.
IDC IV 17 13 51 19.8–1.1 14.78N 144.64E 0 3.8,3.7
¶16152915
IDC Error ellipse: s-maj=40.9km s-min=13.4km az=77.0.
ISC IV 17 13 54 05.9–.59 14.80N–.07 144.6E–.20 22 3.9b,3.3s 38 1-90
IDC IV 17 13 54 02.7–.72 14.88N 144.67E 0 4.0,3.9 ¶12935444
ISCJB IV 17 13 54 04.4–.46 14.82N–.06 144.6E–.10 22 3.9b,3.4s
NEIC IV 17 13 54 04.0–.45 14.84N 144.66E 10 4.2b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=14.4km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=5.5km az=164.1.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=7.6km az=80.0.
IDC IV 17 14 00 37.1–1.1 14.62N 144.77E 0 3.9,3.8
¶16152916
IDC Error ellipse: s-maj=41.8km s-min=16.0km az=79.0.
IDC IV 17 14 10 42.4–.93 14.87N 144.78E 0 3.7,3.6
¶16152918
IDC Error ellipse: s-maj=34.0km s-min=16.4km az=88.0.
ISC IV 17 14 18 59.4–.46 14.81N–.06 144.6E–.10 22 4.3b,3.6s 70 1-148
IDC IV 17 14 18 55.6–.60 14.87N 144.69E 0 4.3,4.2 ¶12935439
ISCJB IV 17 14 18 57.9–.32 14.82N–.04 144.45E–.09 22 4.3b,3.6s
BJI IV 17 14 18 58.1 14.71N 144.63E 31 4.9b,4.7b
NEIC IV 17 14 19 00.5–.86 14.86N 144.47E 30–6 4.7b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=12.2km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=4.9km az=161.8.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.3km az=79.0.
IDC IV 17 14 30 24.6–1.8 14.78N 144.47E 0 3.8,3.5
¶16152920
IDC Error ellipse: s-maj=59.3km s-min=20.0km az=71.0.
IDC IV 17 14 53 41.2–1.4 14.79N 144.79E 0 3.8,3.7
¶16152921
IDC Error ellipse: s-maj=63.2km s-min=21.0km az=99.0.
IDC IV 17 14 54 35.7–7.0 13.93N 144.15E 0 3.8,3.6
¶16152924
IDC Error ellipse: s-maj=130.7km s-min=19.1km az=180.0.
IDC IV 17 15 07 37.9–1.9 14.29N 145.60E 0 3.3,3.2
¶16152925
IDC Error ellipse: s-maj=46.3km s-min=24.1km az=106.0.
IDC IV 17 15 12 32.7–1.3 14.87N 144.85E 0 3.6,3.4
¶16152926
IDC Error ellipse: s-maj=42.4km s-min=19.6km az=85.0.
IDC IV 17 15 57 37.1–.82 14.68N 144.35E 0 4.2s,4.2
¶16152930
IDC Error ellipse: s-maj=39.6km s-min=13.7km az=73.0.
ISC IV 17 16 37 23.9–.47 14.80N–.06 144.6E–.10 22 4.1b,3.4s 71 1-148
IDC IV 17 16 37 20.4–.53 14.83N 144.69E 0 4.3,4.2 ¶12935423
ISCJB IV 17 16 37 22.3–.40 14.80N–.05 144.55E–.10 22 4.2b,3.4s
NEIC IV 17 16 37 23.3–4.4 14.80N 144.64E 19–27 4.5b,3.4s
BJI IV 17 16 37 24.2 14.70N 144.80E 40 5.1b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=11.5km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=5.9km az=165.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.2km az=81.0.
IDC IV 17 18 13 29.6–.77 14.90N 144.78E 0 3.9,3.8
¶16152935
IDC Error ellipse: s-maj=29.4km s-min=14.9km az=82.0.
IDC IV 17 18 14 40.7–1.3 14.64N 144.32E 0 3.8,3.7
¶16152936
IDC Error ellipse: s-maj=50.6km s-min=17.0km az=68.0.
IDC IV 17 18 36 35.8–1.1 14.75N 144.57E 0 3.9,3.8s
¶16152938
IDC Error ellipse: s-maj=38.9km s-min=18.9km az=72.0.
IDC IV 17 20 23 44.6–.93 14.83N 144.85E 0 3.6,3.5
¶16152946
IDC Error ellipse: s-maj=33.4km s-min=15.9km az=90.0.
ISC IV 17 21 02 32.1–.47 14.79N–.06 144.8E–.10 35 4.4b,3.9s 79 1-148
IDC IV 17 21 02 27.6–.62 14.88N 144.73E 0 4.3,4.2 ¶12609812
NEIC IV 17 21 02 28.9–.34 14.86N 144.71E 10 4.6b,4.2
ISCJB IV 17 21 02 30.8–.37 14.83N–.04 144.63E–.09 33 4.4b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 17 21 29 45.1–1.1 14.72N 144.62E 0 3.7,3.5
¶16152948
IDC Error ellipse: s-maj=39.2km s-min=15.3km az=77.0.
IDC IV 17 21 29 58.1–1.1 14.80N 144.56E 0 3.5,3.4
¶16152951
IDC Error ellipse: s-maj=48.7km s-min=18.6km az=81.0.
ISC IV 17 22 28 16.6–.47 14.72N–.06 144.6E–.10 27 4.2b,3.6s 60 1-148
IDC IV 17 22 28 12.6–.56 14.81N 144.58E 0 4.2,4.1 ¶12935398
NEIC IV 17 22 28 14.0–.30 14.77N 144.53E 10 4.5b,4.1
ISCJB IV 17 22 28 15.1–.35 14.75N–.05 144.44E–.10 27 4.1b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 18 00 08 09.2–2.8 19.14N 145.04E 243–33 3.2,3.0
¶16152958
IDC Error ellipse: s-maj=31.6km s-min=23.8km az=24.0.
ISC IV 18 01 54 00.1–.55 14.78N–.07 144.6E–.10 22 4.1b,3.2s 51 1-148
IDC IV 18 01 53 56.8–.65 14.79N 144.60E 0 4.0,3.9 ¶12935587
NEIC IV 18 01 53 58.3–.34 14.77N 144.57E 10 4.3b,3.9
ISCJB IV 18 01 53 58.7–.48 14.77N–.06 144.4E–.10 22 4.0b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 18 02 29 47.3–.43 14.75N–.06 144.6E–.10 27 4.6s,4.4b 77 1-152
IDC IV 18 02 29 43.4–.60 14.78N 144.59E 0 4.6s,4.6 ¶12609816
NEIC IV 18 02 29 44.8–.27 14.77N 144.62E 10 4.6b,4.6
ISCJB IV 18 02 29 45.8–.33 14.75N–.04 144.53E–.09 27 4.7s,4.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 18 02 30 58.4–.69 14.73N–.08 144.6E–.20 27 4.2b 31 1-96
IDC IV 18 02 30 54.2–1.0 14.76N 144.69E 0 4.9s,4.8 ¶12935583
NEIC IV 18 02 30 55.9–.45 14.75N 144.58E 10 4.4b,4.8
ISCJB IV 18 02 30 57.0–.51 14.74N–.06 144.5E–.10 27 5.0s,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 18 03 07 20.7–.48 14.77N–.06 144.7E–.10 22 4.2b,3.7s 60 1-148
IDC IV 18 03 07 17.4–.58 14.78N 144.68E 0 4.1,4.1 ¶12935581
NEIC IV 18 03 07 18.9–.27 14.80N 144.66E 10 4.5b,4.1
ISCJB IV 18 03 07 19.3–.37 14.78N–.04 144.56E–.10 22 4.1b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 18 07 48 50.0–1.8 19.29N 145.08E 0 3.7,3.6
¶16152976
IDC Error ellipse: s-maj=274.1km s-min=23.4km az=110.0.
IDC IV 18 12 54 46.5–.73 14.57N 144.38E 0 3.8,3.7
¶16152989
IDC Error ellipse: s-maj=28.5km s-min=12.0km az=73.0.

IDC IV 18 14 53 59.4–.94 13.17N 144.07E 140–10 3.6,3.4 ¶16152993
IDC Error ellipse: s-maj=33.0km s-min=16.9km az=92.0.
IDC IV 18 21 33 41.9–.63 18.56N 145.96E 145–5 3.9,3.9 ¶16153005
IDC Error ellipse: s-maj=14.0km s-min=7.2km az=89.0.
IDC IV 19 08 28 29.7–1.2 20.49N 145.52E 0 3.8,3.6 ¶16153042
IDC Error ellipse: s-maj=48.1km s-min=19.6km az=91.0.
ISC IV 19 08 45 49.6–.51 14.79N–.05 144.55E–.08 17–2 4.5b,4.1s 136 1-148
BJI IV 19 08 45 44.6 14.75N 144.76E 4 4.9b,4.6s **¶12610721**
IDC IV 19 08 45 46.5–.48 14.84N 144.69E 0 4.4,4.3b
ISCJB IV 19 08 45 47.5–1.5 14.78N–.04 144.54E–.06 14–9 4.4b,4.1s
NEIC IV 19 08 45 48.4–.25 14.84N 144.57E 10 4.7b,4.1s
GCMT IV 19 08 45 53.0–.30 14.76N 144.27E 13–1 5.0W,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=10.4km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=5.3km az=161.3.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.7km az=80.0.
GCMT Event type se. Data Used: IU II IC CN G. Moment Tensor Solution. s20,c22; s65,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.40±.27 $M_{\theta\theta}$0.77±.15; $M_{\phi\phi}$2.63±.19; $M_{r\theta}$0.76±.55; $M_{\theta\phi}$1.08±.10; $M_{\phi r}$1.05±.42; Best double couple: NP1:ϕ_s21.00000°,δ34.00000°,λ-96.00000°. NP2:ϕ_s208.00000°,δ56.00000°,λ-86.00000°. Principal axes: T 3.3700,Plg11.0000° ,Azm296.0000°; N 0.2900,Plg3.0000°,Azm26.0000°; P -3.6500,Plg79.0000°,Azm133.0000° M_o3.50000×10^{16}
ISC IV 19 08 54 47.3–.52 14.77N–.05 144.57E–.08 16–2 4.5s,4.4b 128 1-148
BJI IV 19 08 54 40.6 14.41N 144.94E 6 5.1b,4.8s **¶12610722**
IDC IV 19 08 54 44.9–.48 14.84N 144.65E 0 4.3s,4.3
ISCJB IV 19 08 54 45.3–1.6 14.78N–.04 144.50E–.06 11–9 4.4s,4.3b
NEIC IV 19 08 54 46.6–.20 14.82N 144.56E 10 4.7b,4.3b
GCMT IV 19 08 54 53.1–.30 14.81N 144.26E 18–1 5.1W,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=10.9km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.4km az=164.4.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.6km az=89.0.
GCMT Event type se. Data Used: IU CN II G IC. Moment Tensor Solution. s16,c17; s67,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.13±.37 $M_{\theta\theta}$1.26±.20; $M_{\phi\phi}$3.87±.26; $M_{r\theta}$1.99±.56; $M_{\theta\phi}$1.10±.12; $M_{\phi r}$0.15±.49; Best double couple: NP1:ϕ_s7.00000°,δ42.00000°,λ-113.00000°. NP2:ϕ_s216.00000°,δ52.00000°,λ-71.00000°. Principal axes: T 4.3500,Plg5.0000° ,Azm293.0000°; N 1.3500,Plg15.0000°,Azm24.0000°; P -5.7000,Plg74.0000°,Azm184.0000° M_o5.00000×10^{16}
ISC IV 19 09 04 16.9–.39 18.94N–.06 145.46E–.09 214 4.3b 277 5-151
ISCJB IV 19 09 04 16.0–.22 18.94N–.04 145.30E–.04 214 4.2b **¶13438874**
IDC IV 19 09 04 21.7–1.8 18.94N 145.29E 260–18 4.0,4.0
NEIC IV 19 09 04 22.7–1.0 18.95N 145.32E 268–10 4.3b,4.0
BJI IV 19 09 04 22.6 19.09N 145.57E 291 4.5b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.7km az=31.0.
IDC Error ellipse: s-maj=11.5km s-min=7.6km az=85.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=6.1km az=77.0.
IDC IV 19 23 06 57.2–14 18.99N 145.15E 381–163 3.3,3.0 ¶16153099
IDC Error ellipse: s-maj=50.8km s-min=22.5km az=86.0.
ISC IV 20 20 38 35.4–.71 14.6N–.10 144.4E–.20 27 4.1b 27 1-84
IDC IV 20 20 38 31.4–1.0 14.66N 144.41E 0 3.9,3.8 **¶12935803**
NEIC IV 20 20 38 32.9–.54 14.60N 144.35E 10 4.3b,3.8
ISCJB IV 20 20 38 33.8–.55 14.58N–.08 144.3E–.10 27 4.1b,3.8
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
IDC IV 22 00 48 53.0–.55 13.74N 144.78E 111–5 3.4,3.3 ¶16153251
IDC Error ellipse: s-maj=31.8km s-min=16.3km az=98.0.
ISC IV 22 03 50 49.0–.41 18.97N–.04 146.35E–.06 106–2 4.7b 574 6-166
ISCJB IV 22 03 50 45.9–.97 18.96N–.03 146.23E–.03 89–8 4.6b **¶13438980**
MOS IV 22 03 50 46.7–.84 18.96N 146.32E 100 4.8b
BJI IV 22 03 50 47.0 18.97N 146.38E 103 5.1b,4.9b
IDC IV 22 03 50 49.0–1.2 18.98N 146.37E 105–10 4.5,4.5
NEIC IV 22 03 50 48.9–.99 18.94N 146.32E 107–9 4.6b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.8km az=14.9.
MOS Error ellipse: s-maj=10.2km s-min=5.9km az=100.1.
IDC Error ellipse: s-maj=13.4km s-min=6.5km az=91.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.9km az=99.0.
IDC IV 24 05 04 23.6–.85 13.72N 145.12E 115–7 3.6,3.4 ¶16153325
IDC Error ellipse: s-maj=44.3km s-min=17.2km az=105.0.
IDC IV 24 07 45 37.7–1.4 20.96N 145.61E 0 3.9,3.8 ¶16153328
IDC Error ellipse: s-maj=45.8km s-min=27.6km az=87.0.
IDC IV 27 22 33 54.6–1.0 13.96N 145.04E 151–4 3.5,3.2 ¶16154575
IDC Error ellipse: s-maj=50.4km s-min=19.6km az=97.0.
IDC IV 28 03 45 48.5–.40 13.77N 144.75E 122–4 3.5,3.4 ¶16154580
IDC Error ellipse: s-maj=23.1km s-min=12.9km az=76.0.
IDC IV 28 11 10 55.5–9.0 18.70N 145.59E 202–85 3.5,3.3 ¶16154588
IDC Error ellipse: s-maj=28.5km s-min=14.2km az=91.0.
IDC IV 29 10 25 56.6–.75 13.62N 144.55E 126–4 4.1s,4.1 ¶16154617
IDC Error ellipse: s-maj=25.8km s-min=18.1km az=107.0.
ISC IV 29 15 40 52.9–.39 17.43N–.04 145.58E–.06 257–2 4.6b 422 4-151
BJI IV 29 15 40 44.1 17.02N 146.41E 252 4.7b,4.6b **¶12746021**
ISCJB IV 29 15 40 51.7–.71 17.49N–.04 145.45E–.03 250–7 4.5b,4.6b
MOS IV 29 15 40 51.4–1.1 17.54N 145.43E 254 4.7b,4.6b
IDC IV 29 15 40 52.3–.92 17.51N 145.53E 251–8 4.3,4.3
NEIC IV 29 15 40 53.4–.83 17.48N 145.46E 258–8 4.6b,4.3
DJA IV 29 15 40 54.5–3.5 17N–8.0 146E–18 276–39 5.2b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IV 30 07 47 10.3–1.5 18.97N 145.27E 0 3.9,3.5 ¶16154660
IDC Error ellipse: s-maj=158.0km s-min=22.0km az=112.0.
IDC V 02 04 04 01.4–.95 14.20N 145.42E 110–7 3.8,3.7 ¶16555897
IDC Error ellipse: s-maj=27.4km s-min=16.1km az=99.0.
IDC V 06 05 17 09.9–3.1 16.92N 145.43E 0 4.1,4.0 ¶16155437
IDC Error ellipse: s-maj=83.7km s-min=47.7km az=15.0.
IDC V 08 05 03 13.0–.90 14.74N 144.97E 0 4.0,3.8b ¶16155504
IDC Error ellipse: s-maj=34.0km s-min=13.9km az=88.0.
IDC V 08 08 18 47.1–4.0 18.91N 146.59E 98–35 3.7,3.7 ¶16155507
IDC Error ellipse: s-maj=39.5km s-min=15.2km az=78.0.
ISC V 11 12 39 04.1–.64 13.1N–.10 145.62E–.10 43 4.2b,3.6s 64 1-145
IDC V 11 12 38 57.7–.66 13.06N 145.70E 0 4.3,4.2b **¶13439503**
NEIC V 11 12 38 59.4–.36 13.05N 145.59E 10 4.5b,4.2b
ISCJB V 11 12 39 02.4–.45 13.04N–.07 145.48E–.10 43 4.2b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 11 20 43 22.7–.89 13.90N 145.52E 99–7 3.8,3.8 ¶16155650
IDC Error ellipse: s-maj=20.9km s-min=12.3km az=96.0.
ISC V 12 03 30 32.0–.30 13.13N–.04 145.43E–.04 39–2 5.3b,5.0s 630 1-167
ISCJB V 12 03 30 27.9–.95 13.19N–.03 145.41E–.02 16–6 5.3b,5.0s **¶13439523**
MOS V 12 03 30 30.0–1.1 13.13N 145.34E 33 5.5b,5.1s
BJI V 12 03 30 30.0 13.23N 145.50E 33 5.3b,5.1s
DJA V 12 03 30 30.1–1.1 13N–5.0 146E–5.0 33–9 6.1b,5.8
NEIC V 12 03 30 31.8–.15 13.08N 145.41E 35 5.3b,5.8
TEH V 12 03 30 32.0 13.07N 145.38E 35 5.3L,5.8
GCMT V 12 03 30 33.3–.20 13.01N 145.66E 15–0 5.5W,5.8
IDC V 12 03 30 33.0–1.1 13.14N 145.50E 47–8 5.0s,5.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=152.9.
MOS Error ellipse: s-maj=8.7km s-min=5.0km az=108.7.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=4.3km az=154.0. Felt at Barrigada, Dededo, Hagatna, Santa Rita and Tamuning.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c79; s88,c169; Moment tensor: Scale 10^{17}Nm; M_{rr}1.12±.05 $M_{\theta\theta}$-0.03±.03; $M_{\phi\phi}$-1.09±.04; $M_{r\theta}$0.34±.10; $M_{\theta\phi}$-0.66±.02; $M_{\phi r}$1.37±.13; Best double couple: NP1:ϕ_s219.00000°,δ22.00000°,λ111.00000°. NP2:ϕ_s16.00000°,δ69.00000°,λ82.00000°. Principal axes: T 1.7800,Plg65.0000° ,Azm272.0000°; N 0.2400,Plg8.0000°,Azm19.0000°; P -2.0200,Plg24.0000°,Azm113.0000° M_o1.90000×10^{17}
IDC Error ellipse: s-maj=14.7km s-min=9.2km az=78.0.
IDC V 12 03 40 06.7–2.7 13.23N 145.02E 71–30 3.8,3.4 ¶16155662
IDC Error ellipse: s-maj=123.7km s-min=19.6km az=109.0.
ISC V 12 16 28 49.0–.67 13.1N–.10 145.7E–.10 43 4.0b 48 1-145
IDC V 12 16 28 42.7–.73 13.09N 145.72E 0 4.1,4.0 **¶13678825**
ISCJB V 12 16 28 46.6–.52 13.05N–.07 145.73E–.09 43 4.0b,3.3s
NEIC V 12 16 28 48.0–.38 13.07N 145.64E 35 4.5b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=16.3km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.1km az=147.8.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.6km az=85.0.
IDC V 12 19 10 50.8–1.1 13.19N 144.45E 0 3.4,3.1 ¶16155683
IDC Error ellipse: s-maj=37.1km s-min=14.0km az=130.0.
IDC V 13 07 30 50.2–1.0 13.00N 145.73E 0 3.7,3.5 ¶16155702
IDC Error ellipse: s-maj=25.2km s-min=18.6km az=67.0.
IDC V 13 16 37 10.3–.51 18.25N 145.91E 167–4 3.8,3.7 ¶16155715
IDC Error ellipse: s-maj=14.6km s-min=7.6km az=90.0.
IDC V 15 07 37 06.7–6.4 18.56N 146.86E 0 3.8,3.7 ¶16155761
IDC Error ellipse: s-maj=246.9km s-min=23.4km az=81.0.
IDC V 16 15 02 07.5–1.3 16.85N 145.90E 0 3.9,3.7b ¶16155812
IDC Error ellipse: s-maj=38.4km s-min=22.1km az=98.0.
IDC V 17 04 23 28.0–1.4 13.65N 145.16E 85–9 3.6,3.3 ¶16155829
IDC Error ellipse: s-maj=41.1km s-min=22.8km az=107.0.
IDC V 17 06 51 48.9–3.5 19.17N 145.09E 213–29 3.7s,3.7 ¶16155833
IDC Error ellipse: s-maj=64.4km s-min=24.7km az=104.0.
IDC V 18 01 52 03.5–.46 13.91N 144.97E 138–3 3.6,3.4 ¶16155862
IDC Error ellipse: s-maj=26.1km s-min=15.5km az=98.0.
IDC V 19 15 11 53.8–.82 20.63N 145.29E 0 3.9,3.7 ¶16155910
IDC Error ellipse: s-maj=33.6km s-min=17.7km az=100.0.
IDC V 19 16 07 59.3–2.9 19.33N 145.82E 155–28 3.4,3.2 ¶16155911
IDC Error ellipse: s-maj=37.5km s-min=17.2km az=90.0.
IDC V 20 15 20 12.8–4.1 15.86N 145.46E 216–14 3.2,3.2 ¶16155957
IDC Error ellipse: s-maj=113.5km s-min=16.8km az=84.0.
IDC V 20 23 22 16.6–14 17.74N 145.58E 380–162 3.0,2.8 ¶16155971
IDC Error ellipse: s-maj=50.9km s-min=29.6km az=84.0.
IDC V 21 13 26 46.8–.92 20.72N 145.91E 0 3.7,3.5 ¶16155991
IDC Error ellipse: s-maj=37.0km s-min=18.2km az=98.0.
IDC V 21 13 40 25.9–2.3 20.96N 144.94E 0 3.9,3.6 ¶16155992
IDC Error ellipse: s-maj=351.7km s-min=27.8km az=110.0.
ISC V 23 00 40 06.6–.37 14.04N–.04 145.29E–.05 123–2 5.0b 356 1-152
BJI V 23 00 40 00.3 13.66N 145.77E 119 5.0b,4.8b **¶12854203**
DJA V 23 00 40 04.0–.90 14N–6.0 146E–14 114–6 5.3,5.3b
ISCJB V 23 00 40 05.6–.51 14.06N–.04 145.18E–.03 119–4 4.9b,5.3b
MOS V 23 00 40 05.1–1.2 14.08N 145.07E 119 5.1b,5.3b
IDC V 23 00 40 06.1–.42 14.00N 145.27E 120–3 4.6,4.5
NEIC V 23 00 40 07.0–.16 14.03N 145.16E 122 5.1b,4.5
GCMT V 23 00 40 12.1–.20 13.79N 145.38E 125–3 5.1W,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=12.6.
MOS Error ellipse: s-maj=10.6km s-min=6.0km az=92.5.
IDC Error ellipse: s-maj=14.5km s-min=7.5km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.6km az=111.0. Felt on Saipan and Tinian. Felt [II] at Tamuning and Yigo, Guam. Also felt at Agat, Anderson AFB, Dededo, Hagatna, Hagatna Heights, Latte Heights Estates and Mangilao.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s28,c32; s71,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}1.57±.17 $M_{\theta\theta}$-0.24±.22; $M_{\phi\phi}$-1.32±.22; $M_{r\theta}$4.75±.13; $M_{\theta\phi}$-1.41±.19; $M_{\phi r}$-1.19±.13; Best double couple: NP1:ϕ_s203.00000°,δ16.00000°,λ19.00000°. NP2:ϕ_s95.00000°,δ85.00000°,λ106.00000°. Principal axes: T 5.9500,Plg48.0000° ,Azm21.0000°; N -1.7300,Plg16.0000°,Azm273.0000°; P -4.2100,Plg38.0000° ,Azm171.0000° M_o5.10000×10^{16}
IDC V 23 20 13 28.3–3.9 18.96N 144.61E 221–40 3.4,3.2 ¶16156058
IDC Error ellipse: s-maj=75.4km s-min=17.8km az=111.0.
IDC V 24 17 47 54.0–10 14.50N 144.15E 0 3.7,3.6 ¶16156113
IDC Error ellipse: s-maj=280.7km s-min=80.1km az=104.0.
IDC V 25 11 17 52.3–.59 13.77N 144.91E 90–4 4.0s,4.0 ¶16156144
IDC Error ellipse: s-maj=37.0km s-min=14.8km az=104.0.
ISC V 27 11 11 31.0–.66 13.71N–.08 144.9E–.10 119–5 4.2b 72 0-148
ISCJB V 27 11 11 30.1–.56 13.69N–.07 144.83E–.10 123–4 4.2b **¶13679740**
IDC V 27 11 11 30.5–.49 13.73N 145.01E 115–3 4.1,4.0
NEIC V 27 11 11 31.2–.76 13.69N 144.90E 120–7 4.4b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=16.0km s-min=11.8km az=178.9.
IDC Error ellipse: s-maj=17.4km s-min=10.7km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=8.8km az=94.0. Felt at Barrigada, Dededo and Santa Rita.
ISC V 28 01 18 26.7–.45 19.72N–.07 145.5E–.10 147 4.3b 87 6-150
ISCJB V 28 01 18 25.6–.42 19.71N–.05 145.4E–.10 147 4.2b **¶13679773**
IDC V 28 01 18 25.6–.82 19.68N 145.38E 131–7 4.1,4.0
NEIC V 28 01 18 27.7–1.2 19.68N 145.36E 152–11 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=7.4km az=170.3.
IDC Error ellipse: s-maj=15.3km s-min=9.5km az=78.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.6km az=77.0.
IDC V 28 21 52 07.5–.90 13.94N 145.16E 98–8 3.9,3.8 ¶16156286
IDC Error ellipse: s-maj=21.0km s-min=10.5km az=89.0.
IDC V 29 12 34 16.5–.85 13.09N 145.78E 0 4.0,3.9 ¶16156310
IDC Error ellipse: s-maj=28.5km s-min=19.5km az=99.0.
IDC V 30 19 03 28.9–7.9 13.17N 145.53E 0 3.5,3.4 ¶16066086
IDC Error ellipse: s-maj=314.7km s-min=24.9km az=83.0.
IDC V 30 22 40 16.4–.89 13.89N 145.05E 0 3.9,3.7 ¶16066095
IDC Error ellipse: s-maj=39.0km s-min=15.9km az=91.0.
IDC V 31 18 11 44.4–.78 13.85N 145.18E 0 4.0,3.7 ¶16066129

IDC Error ellipse: s-maj=43.8km s-min=19.0km az=105.0.
IDC VI 04 08 52 45.1–5.0 18.24N 145.57E 383–55 3.3,3.1
¶16100928

IDC Error ellipse: s-maj=30.8km s-min=12.2km az=93.0.
IDC VI 04 17 10 50.8–4.6 20.64N 145.53E 0 3.9,3.9
¶16100954

IDC Error ellipse: s-maj=214.6km s-min=83.3km az=39.0.
IDC VI 06 02 31 38.5–.81 18.66N 145.44E 262–7 3.8,3.6
¶16101005

IDC Error ellipse: s-maj=15.2km s-min=9.0km az=86.0.
IDC VI 08 14 57 29.2–2.7 19.31N 145.04E 462–31 3.2,3.0
¶16101108

IDC Error ellipse: s-maj=22.8km s-min=13.9km az=81.0.
IDC VI 08 18 14 19.0–9.8 19.07N 145.16E 269–80 3.4,3.2b
¶16101117

IDC Error ellipse: s-maj=61.5km s-min=24.6km az=166.0.
IDC VI 10 22 01 37.9–.89 14.21N 145.13E 0 4.0,3.8
¶16101190

IDC Error ellipse: s-maj=34.8km s-min=17.8km az=93.0.
IDC VI 11 02 30 34.7–.81 14.10N 145.25E 0 4.1,3.8
¶16101195

IDC Error ellipse: s-maj=36.2km s-min=20.9km az=98.0.
IDC VI 13 16 43 24.5–8.6 18.50N 145.14E 519–108 2.8,2.6
¶16101284

IDC Error ellipse: s-maj=53.8km s-min=16.5km az=82.0.
IDC VI 15 14 30 40.6–.78 18.73N 145.77E 0 4.2,3.9
¶16101369

IDC Error ellipse: s-maj=44.7km s-min=18.3km az=113.0.
IDC VI 18 02 23 34.3–11 14.28N 145.49E 170–106 3.7,3.5
¶16101452

IDC Error ellipse: s-maj=34.3km s-min=19.2km az=81.0.
ISC VI 19 15 06 25.4–.26 14.09N–.03 145.22E–.04 119–1 5.4b 597 1-172
DJA VI 19 15 05 58.7–2.3 16N–21 147E–21 10 5.8b,5.5b **¶13197443**
BJI VI 19 15 06 20.6 13.89N 145.60E 113 5.3b,5.2b
ISCJB VI 19 15 06 23.8–.48 14.08N–.03 145.23E–.03 117–4 5.3b,5.2b
NEIC VI 19 15 06 24.6–.14 14.08N 145.19E 114 5.5b,5.2b
MOS VI 19 15 06 24.1–1.1 14.12N 145.15E 120 5.3b,4.6s
IDC VI 19 15 06 25.2–.60 14.04N 145.27E 119–4 5.0,4.9
GCMT VI 19 15 06 29.7–.10 13.73N 145.33E 110–1 5.5W,4.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.0km az=1.4.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=4.2km az=121.0. Felt [II] on Saipan. Also felt on Tinian. Felt [IV] at Santa Rita; [III] at Andersen AFB, Dededo and Tamuning; [II] at Yigo, Guam. Also felt at Agat, Barrigada, Hagatna, Hagatna Heights, Mangilao, Talofofo and Yona.
MOS Error ellipse: s-maj=8.4km s-min=5.0km az=102.1.
IDC Error ellipse: s-maj=12.6km s-min=7.0km az=88.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 89, comp=179, per= 50. Moment Tensor Solution. s74,c107; s9,c9; Moment tensor: Scale 10^{17}Nm; M_{rr}1.28±.04 $M_{\theta\theta}$-0.64±.05; $M_{\phi\phi}$-0.64±.05; $M_{r\theta}$1.74±.03; $M_{\theta\phi}$-0.93±.04; $M_{\phi r}$-0.20±.04; Best double couple: NP1:ϕ_s201.00000°,δ31.00000°,λ36.00000°. NP2:ϕ_s79.00000°,δ72.00000°,λ116.00000°. Principal axes: T 2.4500,Plg55.0000°,Azm22.0000°; N -0.4100,Plg25.0000°,Azm250.0000° ; P -2.0400,Plg23.0000°,Azm149.0000° $M_0$2.20000×10^{17}
IDC VI 20 18 20 04.2–8.7 14.00N 145.22E 55–82 3.7,3.5
¶16101546

IDC Error ellipse: s-maj=41.1km s-min=14.8km az=90.0.
IDC VI 23 01 17 53.5–7.2 18.84N 145.51E 170–69 3.5,3.3
¶16101631

IDC Error ellipse: s-maj=30.2km s-min=15.0km az=96.0.
IDC VI 24 06 20 11.1–8.5 20.93N 144.43E 0 3.8,3.5
¶16101681

IDC Error ellipse: s-maj=315.2km s-min=29.8km az=75.0.
IDC VI 25 19 49 47.8–4.3 18.33N 145.96E 0 4.1L,3.9
¶16101727

IDC Error ellipse: s-maj=175.1km s-min=30.4km az=87.0.
ISC VI 27 07 53 38.9–.32 18.31N–.03 145.28E–.04 495–2 5.0b 672 5-167
ISCJB VI 27 07 53 37.5–.48 18.31N–.03 145.24E–.03 485–5 5.0b **¶13383573**
BJI VI 27 07 53 37.5 18.39N 145.48E 497 4.8b,4.6b
DJA VI 27 07 53 38.0–.80 18N–5.0 145E–6.0 478–8 5.5b,5.2b
MOS VI 27 07 53 38.6–.90 18.36N 145.21E 499 5.0b,5.2b
NEIC VI 27 07 53 39.2–.57 18.32N 145.25E 494–6 4.9b,5.2b
IDC VI 27 07 53 40.0–.54 18.35N 145.22E 503–5 4.5,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.5km az=145.9.
MOS Error ellipse: s-maj=7.9km s-min=5.3km az=103.9.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.8km az=135.0.
IDC Error ellipse: s-maj=8.6km s-min=5.5km az=93.0.
IDC VI 28 20 53 17.8–7.0 18.50N 146.99E 75–65 4.0L,3.7
¶16101835

IDC Error ellipse: s-maj=26.3km s-min=13.5km az=94.0.
ISC VI 29 13 54 57.2–.39 17.43N–.04 146.28E–.06 124–2 4.6b 247 4-166
DJA VI 29 13 54 48.8–9.4 18N–68 147E–37 82–43 5.7,5.6 **¶13307332**
BJI VI 29 13 54 54.0 17.40N 146.40E 106 4.8b,4.6b
NEIC VI 29 13 54 55.7–.15 17.45N 146.12E 109 4.7b,4.6b
ISCJB VI 29 13 54 57.1–1.1 17.45N–.04 146.15E–.05 131–10 4.5b,4.6b
IDC VI 29 13 54 58.0–.58 17.44N 146.15E 131–5 4.3,4.2
MOS VI 29 13 54 57.2–1.1 17.44N 146.09E 137 4.6b,4.2
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.0km az=103.0. Felt at Capital Hill, Saipan.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.9km az=178.1.
IDC Error ellipse: s-maj=12.6km s-min=8.0km az=89.0.
MOS Error ellipse: s-maj=11.7km s-min=6.2km az=91.1.
IDC VI 29 16 04 44.8–1.2 13.32N 144.45E 0 3.9,3.7
¶16101867

IDC Error ellipse: s-maj=42.8km s-min=20.2km az=82.0.
IDC VI 30 06 56 07.6–2.5 14.82N 144.44E 0 4.2,4.1b
¶16101888

IDC Error ellipse: s-maj=81.1km s-min=18.3km az=88.0.

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ISC I 19 05 45 58.8–1.8 53.3N–.20 155.7E–.30 478–10 2.7b 32 2-73
IDC I 19 05 44 55.7–14 51.35N 153.43E 0 3.6,3.3 **¶13944739**
KRSC I 19 05 45 46.2–1.1 52.84N 155.36E 573–52 4.3L,3.3
MOS I 19 05 45 53.2–.35 53.63N 154.38E 450 4.5b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=419.7km s-min=119.3km az=96.0.
KRSC Event type se.
MOS Error ellipse: s-maj=63.4km s-min=31.5km az=135.9.
ISC I 20 23 03 38.4–.87 54.3N–.10 155.0E–.10 486–11 3.2b 45 2-80
KRSC I 20 23 03 32.1–2.5 53.98N 155.56E 568–68 4.4L **¶12081906**
MOS I 20 23 03 36.6–.95 54.41N 154.66E 483 4.5b
ISCJB I 20 23 03 37.7–.52 54.3N–.10 154.8E–.20 490–7 3.1b
IDC I 20 23 03 38.5–1.3 54.26N 154.51E 488–17 3.0,2.8
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=34.9km s-min=26.2km az=132.2.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=14.4km az=43.9.
IDC Error ellipse: s-maj=19.9km s-min=15.0km az=157.0.
ISC II 02 13 42 04.9–.74 52.99N–.09 157.28E–.10 244–6 3.4b 48 0-79
MOS II 02 13 42 03.3–1.1 53.20N 156.79E 238 3.7b **¶12699401**
KRSC II 02 13 42 03.3–.60 52.86N 157.54E 256–46 4.1L
ISCJB II 02 13 42 05.0–.49 52.87N–.08 157.6E–.20 248–3 3.2b
IDC II 02 13 42 04.4–.60 53.16N 156.74E 235–4 3.2,3.0
ISC Event type se.
MOS Error ellipse: s-maj=29.8km s-min=15.2km az=55.3.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=7.0km az=38.9.
IDC Error ellipse: s-maj=29.1km s-min=13.6km az=135.0.
ISC II 03 09 42 58.4–.72 55.96N–.05 160.93E–.06 144–5 3.2b 56 0-83
ISCJB II 03 09 42 57.4–.40 55.97N–.04 160.93E–.10 146–2 3.1b **¶12699458**
KRSC II 03 09 42 57.4–.90 55.92N 161.00E 144–33 3.5L
IDC II 03 09 42 58.3–2.5 56.00N 160.68E 143–24 3.2,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.1km az=23.2.
KRSC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=16.3km az=145.0.
ISC II 03 17 57 43.2–.00 52.2N–.10 157.8E–.10 137–6 3.2b 28 0-78
ISCJB II 03 17 57 41.8–.77 52.1N–.10 157.9E–.20 139–5 3.2b **¶12699483**
KRSC II 03 17 57 41.2–.70 52.21N 158.01E 149–31 3.5L
IDC II 03 17 57 42.7–1.2 52.49N 157.11E 140–13 3.4,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.3km s-min=12.1km az=38.7.
KRSC Event type se.
IDC Error ellipse: s-maj=156.3km s-min=22.5km az=128.0.
KRSC II 15 11 12 28.1–.50 55.38N 160.89E 141–31 3.7L
¶14330696

KRSC Event type se.
KRSC II 16 19 53 06.6–.00 59.56N 160.50E 0 4.2L
¶14330700

KRSC Event type se.
ISC II 17 08 57 15.7–1.1 59.32N–.04 161.53E–.07 10 3.2b 19 1-68
IDC II 17 08 57 05.4–3.0 56.15N 161.71E 0 3.5,3.2 **¶14323545**
NERS II 17 08 57 14.0 59.28N 161.82E 0 3.5,3.2
KRSC II 17 08 57 20.6–.20 59.64N 160.21E 14–16 4.6L,3.2
ISC Event type se.
IDC Error ellipse: s-maj=123.6km s-min=30.7km az=167.0.
NERS Event type se.
KRSC Event type se.
KRSC II 24 15 22 29.7–1.1 55.29N 160.65E 188–38 3.6L
¶14330720

KRSC Event type se.
ISC III 05 21 19 55.0–1.1 53.9N–.20 156.0E–.20 540–21 3.1b 37 1-58
KRSC III 05 21 19 50.4–2.9 53.87N 155.60E 570–60 4.3L **¶12702520**
ISCJB III 05 21 19 54.7–1.1 53.9N–.20 156.1E–.50 553–26 3.2b
MOS III 05 21 19 54.3–.93 53.86N 155.60E 539 3.9b
IDC III 05 21 19 57.6–1.4 54.79N 154.02E 439–142 2.9b,2.9
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=58.1km s-min=16.8km az=35.9.
MOS Error ellipse: s-maj=48.7km s-min=32.1km az=131.9.
IDC Error ellipse: s-maj=225.9km s-min=52.3km az=145.0.
ISC III 10 09 23 18.3–.42 52.16N–.04 157.76E–.04 130–3 4.4b 432 0-149
MOS III 10 09 23 16.9–.94 52.23N 157.63E 128 4.5b **¶12702859**
ISCJB III 10 09 23 17.5–.23 52.22N–.03 157.63E–.05 131–1 4.2b
KRSC III 10 09 23 18.2–.50 52.21N 158.00E 126–33 4.7L
NEIC III 10 09 23 18.8–.39 52.34N 157.49E 129–3 4.5b
IDC III 10 09 23 19.1–.49 52.38N 157.43E 133–4 4.1,3.9b
ISC Event type se.
MOS Error ellipse: s-maj=13.1km s-min=6.1km az=64.4.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.3km az=136.4.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=3.9km az=145.0.
IDC Error ellipse: s-maj=13.5km s-min=7.3km az=145.0.
ISC III 21 08 19 26.4–.86 51.9N–.10 156.5E–.10 231–6 3.0b 36 1-78
MOS III 21 08 19 23.6–2.0 51.89N 156.21E 219 4.2b **¶12635164**
KRSC III 21 08 19 23.3–.90 51.79N 156.81E 252–32 3.9L
ISCJB III 21 08 19 25.6–.61 51.9N–.10 156.6E–.20 235–4 2.9b
IDC III 21 08 19 26.4–.86 52.05N 156.16E 229–8 3.0,2.9
ISC Event type se.
MOS Error ellipse: s-maj=53.9km s-min=18.8km az=66.4.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=11.9km az=35.7.
IDC Error ellipse: s-maj=26.3km s-min=12.8km az=141.0.
ISC III 23 04 02 50.1–.97 51.2N–.10 156.6E–.20 130 3.2b 9 1-73
MOS III 23 04 02 48.3–.81 51.14N 156.70E 129 3.8b **¶12635354**
ISCJB III 23 04 02 49.0–.76 51.3N–.10 156.6E–.20 130 3.1b
IDC III 23 04 02 50.2–6.8 51.25N 156.58E 128–39 3.1,2.9
ISC Event type ke.
MOS Error ellipse: s-maj=75.9km s-min=27.9km az=72.6.
ISCJB Event type ke. Error ellipse: s-maj=24.9km s-min=12.8km az=35.1.
IDC Error ellipse: s-maj=96.8km s-min=27.9km az=180.0.
KRSC III 25 18 36 19.6–.80 55.31N 160.89E 163–33 3.5L
¶14524218

KRSC Event type se.
ISC IV 06 05 32 30.2–.83 55.95N–.05 160.90E–.05 144–6 3.2b 55 0-79
KRSC IV 06 05 32 29.9–.80 55.89N 160.93E 142–21 3.6L **¶12934675**
ISCJB IV 06 05 32 29.6–.46 55.97N–.04 160.91E–.07 146–3 3.2b
IDC IV 06 05 32 31.1–2.6 56.00N 160.71E 152–27 3.1,2.9
ISC Event type ke.
KRSC Event type se.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.6km az=43.0.
IDC Error ellipse: s-maj=37.5km s-min=20.4km az=137.0.
KRSC IV 07 12 45 09.9–1.1 55.59N 160.45E 180–20 3.6L
¶14509634

KRSC Event type se.
KRSC IV 11 00 30 15.2–.90 54.82N 158.58E 285–25 3.8L
¶14509646

KRSC Event type se.
KRSC IV 14 17 09 58.7–1.6 53.05N 157.54E 277–46 4.1L
¶14509656

KRSC Event type se.
ISC IV 19 09 23 38.4–.74 52.17N–.09 156.65E–.09 209–6 3.2b 36 0-78
ISCJB IV 19 09 23 37.4–.47 52.20N–.07 156.6E–.10 213–3 3.2b **¶12935681**
IDC IV 19 09 23 37.8–.65 52.23N 156.44E 202–4 3.3,3.1
KRSC IV 19 09 23 37.3–.20 52.10N 156.88E 216–16 3.7L,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=7.3km az=44.1.
IDC Error ellipse: s-maj=31.7km s-min=11.5km az=134.0.
KRSC Event type se.
KRSC IV 30 03 27 32.5–1.5 52.61N 156.50E 315–55 3.6L
¶14510115

KRSC Event type se.
ISC V 08 21 22 31.0–.29 58.05N–.03 164.36E–.03 18–1 5.6b,4.8s 1421 2-165
BJI V 08 21 22 28.0 58.17N 164.36E 17 5.6b,5.4s **¶15852942**
ISCJB V 08 21 22 29.8–.59 58.06N–.02 164.32E–.02 20–4 5.5b,4.8s
NEIC V 08 21 22 29.9–1.4 58.13N 164.26E 9–9 5.6b,5.4W
KRSC V 08 21 22 30.4–.90 58.00N 164.52E 23–18 5.5L,5.4W
IDC V 08 21 22 30.3–3.0 58.08N 164.32E 12–19 5.1,5.1
MOS V 08 21 22 30.3–.82 58.04N 164.30E 25 5.8b,4.8s
TEH V 08 21 22 32.5 58.25N 164.13E 33 5.4L,4.8s
GCMT V 08 21 22 34.1–.10 58.10N 164.59E 12 5.4W,4.8s
SZGRF V 08 21 22 37.3 58.62N 163.89E 28 5.8b,4.9s
DJA V 08 21 22 41.8–4.6 58N–9.0 164E–17 105–38 5.8b,5.4b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-0.66 $M_{r\theta}$-0.64 $M_{\theta\phi}$-0.37 $M_{\phi r}$0.04 Best double couple: NP1:ϕ_s244.00000° ,δ57.00000°,λ104.00000°. NP2:ϕ_s39.00000°,δ36.00000°,λ69.00000°. Principal axes: T 1.5900,Plg73.0000°,Azm192.0000°; N -0.4200,Plg11.0000°,Azm56.0000° ; P -1.1600,Plg10.0000°,Azm323.0000° $M_0$1.40000×10^{17}
KRSC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=222, per= 50. Moment Tensor Solution. s82,c153; s32,c32; Moment tensor: Scale 10^{17}Nm; M_{rr}1.40±.02 $M_{\theta\theta}$-0.50±.02; $M_{\phi\phi}$-0.90±.01; $M_{r\theta}$0.21±.04; $M_{\theta\phi}$-0.63±.01; $M_{\phi r}$0.01±.04; Best double couple: NP1:ϕ_s210.00000°,δ43.00000°,λ80.00000°. NP2:ϕ_s43.00000°,δ48.00000°,λ99.00000°. Principal axes: T 1.4300,Plg83.0000°,Azm14.0000°; N -0.0500,Plg6.0000°,Azm217.0000° ; P -1.3700,Plg3.0000°,Azm126.0000° $M_0$1.40000×10^{17}
SZGRF Kamchatka Peninsula, Russia.
ISC V 09 13 24 59.2–.66 59.01N–.03 161.16E–.05 10 3.7b 43 1-92
MOS V 09 13 24 57.5–1.3 59.14N 161.35E 8 4.0b **¶13678612**

KRSC V 09 13 24 57.9–1.0 59.06N 161.33E 5–5 4.6L
ISCJB V 09 13 24 57.5–.44 59.22N–.02 161.24E–.10 10 3.5b
IDC V 09 13 24 58.0–.91 59.08N 161.17E 0 3.8,3.7L
NERS V 09 13 24 58.7 59.08N 161.21E 7 3.8,3.7L
ISC Event type se.
MOS Error ellipse: s-maj=34.6km s-min=11.5km az=87.6.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.3km az=168.8.
IDC Error ellipse: s-maj=25.2km s-min=18.1km az=28.0.
NERS Event type se.
ISC V 11 16 09 31.4–.41 51.06N–.05 156.57E–.04 145–2 4.5b 447 0-146
BJI V 11 16 09 28.8 51.24N 156.62E 140 4.6b,4.5b **¶13439507**
KRSC V 11 16 09 29.9–.60 50.90N 157.22E 141–39 4.6L,4.5b
MOS V 11 16 09 30.3–1.0 51.24N 156.33E 140 4.9b,4.5b
ISCJB V 11 16 09 30.9–.36 51.15N–.04 156.41E–.06 149–2 4.4b,4.5b
NEIC V 11 16 09 32.7–.22 51.24N 156.36E 149 4.8b,4.5b
IDC V 11 16 09 33.0–.67 51.29N 156.26E 151–4 4.1,4.0
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=8.1km s-min=4.6km az=88.6.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.0km az=138.8.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=148.0.
IDC Error ellipse: s-maj=11.0km s-min=6.7km az=142.0.
ISC V 18 11 16 56.3–1.1 53.4N–.10 155.9E–.10 400 3.2b 30 1-79
KRSC V 18 11 16 50.8–2.0 53.37N 155.61E 440–69 4.1L **¶13679173**
ISCJB V 18 11 16 55.7–.68 53.4N–.10 155.8E–.20 400 3.0b
MOS V 18 11 16 55.5–1.0 53.40N 155.84E 405 3.9b
IDC V 18 11 16 56.6–2.8 53.26N 155.66E 394–14 3.1,2.7
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=10.5km az=137.9.
MOS Error ellipse: s-maj=53.3km s-min=26.2km az=60.8.
IDC Error ellipse: s-maj=149.0km s-min=19.2km az=138.0.
ISC V 23 12 32 15.2–.63 53.31N–.06 156.81E–.07 280–6 3.3b 66 1-79
KRSC V 23 12 32 13.1–1.0 53.13N 157.22E 305–45 3.8L **¶13679468**
ISCJB V 23 12 32 14.4–.34 53.38N–.05 156.6E–.10 282–3 3.2b
MOS V 23 12 32 14.4–1.1 53.62N 156.41E 277 4.0b
IDC V 23 12 32 15.3–.45 53.51N 156.53E 275–4 3.2,3.1
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.5km az=35.7.
MOS Error ellipse: s-maj=22.7km s-min=17.2km az=94.2.
IDC Error ellipse: s-maj=16.6km s-min=11.3km az=155.0.
KRSC V 29 20 50 34.6–1.1 55.33N 160.64E 200–30 3.6L
¶14785327
KRSC Event type se.
ISC VI 03 23 16 12.6–.47 53.06N–.04 157.96E–.04 182–4 4.0b 155 0-86
BJI VI 03 23 16 10.5 53.27N 157.97E 178 4.7b,4.6b **¶13439902**
MOS VI 03 23 16 11.3–.91 53.20N 157.64E 178 4.1b,4.6b
ISCJB VI 03 23 16 11.8–.22 53.13N–.03 157.69E–.06 183–2 4.0b,4.6b
KRSC VI 03 23 16 12.2–.60 53.08N 158.07E 180–30 4.2L,4.6b
NEIC VI 03 23 16 12.6–.60 53.22N 157.58E 174–7 4.3b,4.6b
IDC VI 03 23 16 13.0–.29 53.29N 157.59E 174–3 3.8,3.7
ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=7.9km az=66.7.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.2km az=33.4.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.4km az=166.0.
IDC Error ellipse: s-maj=14.8km s-min=8.4km az=154.0.
KRSC VI 04 17 39 23.7–1.4 54.09N 158.52E 301–50 3.6L
¶14775897
KRSC Event type se.
KRSC VI 06 23 34 13.5–.80 53.45N 157.45E 304–43 3.8L
¶14775906
KRSC Event type se.
ISC VI 19 13 58 23.0–.87 52.68N–.09 156.80E–.09 278–6 3.1b 57 0-79
KRSC VI 19 13 58 22.0–1.2 52.62N 156.67E 280–39 3.9L **¶13681661**
IDC VI 19 13 58 22.8–.73 52.93N 156.46E 274–14 3.0,2.9
ISCJB VI 19 13 58 23.4–.54 52.61N–.07 156.9E–.10 278–4 3.1b,2.9
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC VI 20 02 24 02.7–1.3 53.36N 158.00E 255–35 3.8L
¶14775935
KRSC Event type se.

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KRSC I 02 06 56 54.6–.10 51.89N 158.90E 149–68 3.6L
¶14344993
KRSC Event type se.
ISC I 03 01 28 41.0–2.7 51.7N–.10 158.93E–.06 25–16 27 1-5
MOS I 03 01 28 43.1–1.7 51.80N 158.97E 30 4.2b **¶13917727**
KRSC I 03 01 28 43.1–1.2 51.80N 158.97E 30–30 4.0L
ISC Event type se.
MOS Error ellipse: s-maj=51.2km s-min=12.7km az=83.9.
KRSC Event type se.
ISC I 03 12 06 43.5–.74 56.48N–.05 161.64E–.03 69–6 3.2b 64 0-83
MOS I 03 12 06 41.9–.56 56.43N 161.67E 70 4.4b **¶12079897**
ISCJB I 03 12 06 42.5–.44 56.46N–.04 161.65E–.06 74–3 3.3b
KRSC I 03 12 06 42.4–1.1 56.44N 161.61E 74–34 4.2L
IDC I 03 12 06 43.5–2.6 56.31N 161.77E 68–28 3.4,3.3
ISC Event type ke.
MOS Error ellipse: s-maj=18.9km s-min=13.7km az=70.8.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.1km az=160.3.
KRSC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=16.1km az=169.0.
KRSC I 04 16 22 36.3–.30 55.12N 162.58E 23–23 3.5L
¶14344998
KRSC Event type se.
KRSC I 05 04 35 00.0–.40 55.44N 162.25E 5–5 3.6L
¶14344999
KRSC Event type se.
KRSC I 07 04 16 38.1–.40 55.03N 162.30E 11–11 3.8L
¶14345003
KRSC Event type se.
ISC I 07 18 09 48.4–1.0 55.48N–.03 162.99E–.03 47–11 3.5b 103 1-62
KRSC I 07 18 09 46.5–.30 55.45N 162.93E 23–23 4.5L **¶12080663**
ISCJB I 07 18 09 47.4–.41 55.48N–.02 163.01E–.05 68–4 3.5b
MOS I 07 18 09 47.2–1.2 55.48N 162.96E 47 3.9b
IDC I 07 18 09 50.0–2.5 55.30N 163.11E 66–31 3.5L,3.5
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.0km az=15.4.
MOS Error ellipse: s-maj=14.2km s-min=10.9km az=72.2.
IDC Error ellipse: s-maj=34.8km s-min=10.8km az=166.0.
KRSC I 09 09 11 33.3–.40 53.61N 160.58E 21–20 3.7L
¶14345005
KRSC Event type se.
KRSC I 10 01 31 54.2–1.4 54.45N 159.20E 288–87 3.8L
¶14345006
KRSC Event type se.
ISC I 11 01 55 44.6–.45 53.11N–.04 159.97E–.03 59–4 4.3b 254 0-144
BJI I 11 01 55 41.2 52.26N 159.97E 69 5.0b,4.5s **¶11594499**
MOS I 11 01 55 43.2–1.1 53.33N 159.73E 57 4.4b,4.5s
ISCJB I 11 01 55 44.7–.33 53.15N–.03 159.84E–.05 74–2 4.2b,4.5s
IDC I 11 01 55 45.8–.62 53.35N 159.81E 64–5 3.9,3.9
KRSC I 11 01 55 45.6–.20 53.20N 159.90E 52–32 4.7L,3.9
NEIC I 11 01 55 46.2–.54 53.22N 159.68E 72–5 4.5b,3.9
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=11.0km s-min=7.5km az=81.1. Felt (II) at Petropavlovsk-Kaamchatskiy. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.0km az=44.9.
IDC Error ellipse: s-maj=16.1km s-min=6.6km az=165.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.8km az=173.0.
ISC I 12 17 02 01.5–.72 51.06N–.07 157.05E–.07 141–6 3.5b 84 1-77
MOS I 12 17 02 00.6–1.6 51.17N 156.80E 146 3.6b **¶12081120**
ISCJB I 12 17 02 01.5–.59 51.21N–.07 156.88E–.10 154–5 3.5b
KRSC I 12 17 02 02.6–.00 51.00N 157.92E 123–112 4.3L
IDC I 12 17 02 03.2–1.6 51.25N 156.75E 150–14 3.6,3.5
ISC Event type ke.
MOS Error ellipse: s-maj=16.7km s-min=7.5km az=69.7.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=8.1km az=144.4.
KRSC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=11.2km az=152.0.
KRSC I 14 22 16 01.6–1.0 53.10N 159.81E 64–25 3.6L
¶14345014
KRSC Event type se.
KRSC I 15 23 40 46.7–1.1 56.42N 161.57E 110–20 3.5L
¶14345015
KRSC Event type se.
KRSC I 16 17 41 55.9–.60 54.41N 162.11E 30–15 3.5L
¶14345016
KRSC Event type se.
ISC I 19 03 38 33.6–.34 53.74N–.02 160.63E–.03 49–2 5.3s,5.0b 961 1-152
MOS I 19 03 38 30.5–1.1 53.80N 160.41E 32 5.2b,4.1s **¶13405837**
BJI I 19 03 38 31.3 54.10N 160.66E 58 5.3s,5.1b
KRSC I 19 03 38 35.3–.10 53.79N 160.63E 47–26 5.1L,5.1b
IDC I 19 03 38 35.2–.67 53.88N 160.42E 57–5 4.7,4.7
ISCJB I 19 03 38 35.2–.22 53.79N–.02 160.51E–.02 72–2 4.9b,4.7
NEIC I 19 03 38 36.1–.56 53.83N 160.40E 66–5 5.1b,4.7
SZGRF I 19 03 38 53.0 56.24N 158.44E 33 5.4b,4.7
ISC Event type fe.
MOS Error ellipse: s-maj=7.7km s-min=5.0km az=90.7.
KRSC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=8.3km az=145.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=140.7.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=2.8km az=167.0. Felt at Petropavlovsk-Kamchatskiy.
SZGRF Kamchatka Peninsula, Russia.
KRSC I 21 11 26 05.3–.20 53.36N 160.11E 57–47 3.8L
¶14345024
KRSC Event type se.
KRSC I 23 15 46 36.6–.20 53.27N 160.22E 52–41 3.5L
¶14345027
KRSC Event type se.
KRSC I 23 23 23 25.4–1.5 54.05N 159.04E 280–50 3.6L
¶14345028
KRSC Event type se.
ISC I 24 21 54 33.7–.77 55.83N–.04 161.46E–.04 151–6 3.1b 77 0-69
MOS I 24 21 54 31.5–.89 56.04N 161.30E 137 4.1b **¶12082253**
ISCJB I 24 21 54 32.7–.40 55.83N–.03 161.47E–.06 151–3 3.2b
KRSC I 24 21 54 32.8–.70 55.77N 161.47E 148–37 3.9L
IDC I 24 21 54 32.4–3.4 55.92N 161.34E 134–51 3.2,3.0
ISC Event type se.
MOS Error ellipse: s-maj=37.0km s-min=20.6km az=73.8.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.5km az=31.2.
KRSC Event type se.
IDC Error ellipse: s-maj=65.9km s-min=16.0km az=177.0.
KRSC I 27 22 14 51.9–.40 53.57N 160.65E 39–28 3.5L
¶14345031
KRSC Event type se.
KRSC I 28 00 34 36.2–1.4 51.75N 158.85E 34–34 3.7L
¶14345034
KRSC Event type se.
KRSC I 28 11 22 50.9–.80 53.32N 160.45E 45–35 3.6L
¶14345035
KRSC Event type se.
ISC I 30 09 20 03.3–.67 54.63N–.03 161.56E–.03 67–6 3.9b 123 0-82
ISCJB I 30 09 20 02.6–.29 54.62N–.02 161.59E–.05 75–3 3.7b **¶12082732**
MOS I 30 09 20 02.0–.87 54.65N 161.53E 76 4.1b
KRSC I 30 09 20 02.1–.00 54.62N 161.54E 74–34 4.6L
IDC I 30 09 20 05.9–1.9 54.87N 161.10E 90–21 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.4km az=22.3.
MOS Error ellipse: s-maj=14.5km s-min=7.5km az=76.7.
KRSC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=14.3km az=149.0.
KRSC I 31 08 09 37.2–1.9 54.94N 160.35E 334–43 3.9L
¶14345038
KRSC Event type se.
ISC I 31 22 24 22.1–.36 53.33N–.03 160.02E–.03 62–2 4.5b 330 0-119
BJI I 31 22 24 17.9 53.69N 160.30E 58 5.1b,4.7s **¶13434102**
MOS I 31 22 24 20.7–1.1 53.58N 159.71E 56 4.5b,4.7s
ISCJB I 31 22 24 22.9–.32 53.39N–.03 159.85E–.06 80–2 4.3b,4.7s
IDC I 31 22 24 23.7–.55 53.60N 159.83E 67–4 4.1,4.0
NEIC I 31 22 24 23.8–.53 53.53N 159.75E 73–5 4.6b,4.0
KRSC I 31 22 24 24.1–.30 53.40N 159.97E 51–38 4.7L,4.0
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=10.1km s-min=6.8km az=76.7. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=2.4km az=33.6.
IDC Error ellipse: s-maj=14.6km s-min=6.0km az=154.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.8km az=151.0.
KRSC Event type se.
KRSC II 02 19 17 19.8–.70 54.65N 160.98E 81–80 3.8L
¶14330674
KRSC Event type se.
KRSC II 04 08 57 24.1–.90 51.42N 158.35E 16–16 3.9L
¶14330676
KRSC Event type se.
KRSC II 04 13 38 03.6–.10 53.26N 160.60E 45–35 3.7L
¶14330677
KRSC Event type se.
KRSC II 04 19 26 57.1–.90 55.69N 162.80E 34–34 3.7L
¶14330679
KRSC Event type se.
KRSC II 05 09 40 09.6–.10 54.51N 161.57E 41–41 3.7L
¶14330680
KRSC Event type se.
KRSC II 06 11 02 45.4–.40 51.72N 158.68E 23–23 3.8L
¶14330681
KRSC Event type se.
KRSC II 10 02 41 07.6–.90 54.01N 160.78E 20–19 3.6L
¶14330684
KRSC Event type se.
KRSC II 10 11 37 44.7–1.2 53.30N 160.40E 42–42 3.6L
¶14330686
KRSC Event type se.
ISC II 11 08 13 21.7–.94 54.76N–.02 161.82E–.03 25–6 4.2b 164 0-145
IDC II 11 08 13 18.0–.53 54.82N 161.47E 0 4.3,4.2 **¶12699960**
MOS II 11 08 13 19.7–1.8 54.81N 161.79E 21 4.3b,4.2
KRSC II 11 08 13 21.4–.30 54.72N 161.79E 22–21 4.7L,4.2
ISCJB II 11 08 13 22.4–.37 54.70N–.02 161.89E–.05 41–4 4.1b,4.2
NEIC II 11 08 13 23.7–1.2 54.88N 161.54E 38–13 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=10.5km az=179.0.
MOS Error ellipse: s-maj=12.1km s-min=6.1km az=77.5.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.5km az=21.9.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=7.3km az=160.0.
KRSC II 12 19 05 33.5–.30 55.23N 162.29E 61–59 3.8L

¶14330690
KRSC Event type se.
ISC II 13 20 22 37.2–1.6 55.75N–.03 162.28E–.05 32–14 56 1-68
IDC II 13 20 22 33.4–1.7 56.04N 162.19E 0 3.9,3.6 ¶12700581
ISCJB II 13 20 22 37.0–.51 55.73N–.03 162.30E–.06 48–9 3.7b,3.6
KRSC II 13 20 22 37.4–.80 55.74N 162.19E 42–42 3.9L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=54.0km s-min=29.0km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.3km az=4.1.
KRSC Event type se.
ISC II 14 06 12 36.9–1.1 53.38N–.04 160.98E–.04 43–11 3.8b 99 1-77
MOS II 14 06 12 36.4–.94 53.40N 160.96E 47 4.1b ¶13434613
ISCJB II 14 06 12 37.5–.47 53.44N–.03 160.85E–.06 61–5 3.7b
KRSC II 14 06 12 38.2–.10 53.47N 160.79E 43–33 4.3L
IDC II 14 06 12 42.0–1.8 53.62N 160.55E 80–19 3.7,3.6
ISC Event type se.
MOS Error ellipse: s-maj=16.6km s-min=8.7km az=78.3.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=2.8km az=30.5.
KRSC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=15.4km az=171.0.
ISC II 14 14 16 44.1–1.1 55.09N–.03 162.41E–.03 41–10 4.1b,3.4s 109 1-145
IDC II 14 14 16 38.4–.51 55.20N 162.09E 0 4.3,4.2L ¶11677832
MOS II 14 14 16 39.8–1.6 55.17N 162.37E 16 4.2b,4.2L
KRSC II 14 14 16 42.9–.10 55.09N 162.30E 20–15 4.7L,4.2L
ISCJB II 14 14 16 43.5–.36 55.09N–.02 162.43E–.05 52–4 4.0b,3.5s
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC II 15 07 26 43.0–.80 56.38N 161.56E 107–26 3.7L
¶14330695
KRSC Event type se.
ISC II 16 06 05 54.7–.34 54.70N–.03 161.90E–.03 58–2 4.9b,4.2s 1024 0-151
BGS II 16 06 05 36.0–2.1 52.39N 167.99E 40 4.8b,4.2s ¶13434676
IDC II 16 06 05 47.0–.39 54.79N 161.86E 0 4.8,4.8
BJI II 16 06 05 50.5 54.89N 162.41E 56 5.0b,4.7s
MOS II 16 06 05 50.5–1.1 54.82N 161.75E 31 5.2b,4.0s
KRSC II 16 06 05 50.8–.10 54.62N 162.18E 28–18 5.1L,4.0s
ISCJB II 16 06 05 53.9–.25 54.70N–.02 161.85E–.02 63–2 4.8b,4.0s
NEIC II 16 06 05 54.2–.65 54.78N 161.73E 47–6 4.9b,4.0s
SZGRF II 16 06 05 59.8 55.86N 162.30E 33 5.2b,4.0s
ISC Event type fe.
BGS Error ellipse: s-maj=681.1km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=11.7km s-min=9.1km az=167.0.
MOS Error ellipse: s-maj=9.4km s-min=5.0km az=82.5.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=154.2.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=2.9km az=172.0. Felt at Petropavlovsk-Kamchatskiy and Ust'-Kamchatsk.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
KRSC II 18 00 02 16.7–.70 53.67N 160.26E 62–61 3.6L
¶14330702
KRSC Event type se.
KRSC II 18 19 34 38.6–.70 53.72N 160.85E 45–45 3.5L
¶14330706
KRSC Event type se.
KRSC II 19 16 45 36.9–.90 51.60N 157.36E 5–5 3.7L
¶14330707
KRSC Event type se.
KRSC II 19 16 47 57.0–.00 51.79N 157.38E 0 3.6L
¶14330708
KRSC Event type se.
KRSC II 21 08 05 23.1–.50 53.05N 160.63E 57–47 3.5L
¶14330711
KRSC Event type se.
ISC II 21 13 52 29.4–.83 55.58N–.03 162.55E–.03 60–8 4.1b 104 1-76
ISCJB II 21 13 52 28.9–.38 55.58N–.02 162.56E–.05 72–3 3.8b ¶12701431
MOS II 21 13 52 28.2–.83 55.61N 162.57E 69 4.3b
KRSC II 21 13 52 28.5–.10 55.54N 162.53E 45–45 4.4L
IDC II 21 13 52 38.3–3.9 55.96N 160.50E 80–46 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.4km az=16.7.
MOS Error ellipse: s-maj=15.4km s-min=9.3km az=80.7.
KRSC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=18.7km az=152.0.
KRSC II 21 16 25 39.7–.60 56.08N 162.59E 17–17 3.8L
¶14330714
KRSC Event type se.
KRSC II 21 21 01 10.1–.20 55.18N 162.30E 70–69 3.6L
¶14330715
KRSC Event type se.
KRSC II 22 00 17 41.9–.30 53.77N 160.01E 97–37 3.6L
¶14330717
KRSC Event type se.
ISC II 22 01 08 57.2–.31 54.37N–.02 162.19E–.02 33–1 5.1b,4.4s 1321 0-146
BGS II 22 01 08 47.9–2.0 52.44N 161.46E 50 5.0b,4.4s ¶13434958
IDC II 22 01 08 53.2–.44 54.56N 162.11E 0 5.0,5.0
KRSC II 22 01 08 55.8–.10 54.37N 162.67E 30–29 5.2L,5.0
BJI II 22 01 08 56.0 54.84N 161.92E 33 5.0b,4.8s
ISCJB II 22 01 08 56.2–.10 54.56N–.02 162.11E–.02 31 5.0b,4.3s
MOS II 22 01 08 56.6–.94 54.57N 162.07E 33 5.4b,4.2s
NEIC II 22 01 08 59.8–.72 54.56N 162.09E 47–7 4.9b,4.2s
SZGRF II 22 01 09 00.6 55.39N 161.36E 33 5.4b,4.2s
ISC Event type se.
BGS Error ellipse: s-maj=564.2km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=14.3km s-min=9.1km az=158.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=1.7km az=172.5.
MOS Error ellipse: s-maj=7.2km s-min=3.7km az=93.9.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.7km az=168.0.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
ISC II 24 05 22 14.9–1.3 54.37N–.03 162.65E–.04 30–9 4.0b 101 1-69
IDC II 24 05 22 11.8–.91 54.74N 162.40E 0 4.1L,3.9 ¶12701700
MOS II 24 05 22 14.7–2.0 54.43N 162.61E 34 4.3b,3.9
KRSC II 24 05 22 16.5–.50 54.40N 162.49E 34–23 4.1L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=12.3km az=10.0.
MOS Error ellipse: s-maj=12.8km s-min=9.4km az=83.3.
KRSC Event type se.
KRSC II 24 12 13 04.5–.20 54.80N 162.15E 21–20 3.5L
¶14330719
KRSC Event type se.
ISC II 25 10 22 25.0–.28 53.75N–.03 159.47E–.03 137–1 4.8b 1053 0-144
SZGRF II 25 10 22 07.6 52.48N 159.80E 33 5.0b ¶13435078
MOS II 25 10 22 23.2–.96 53.97N 159.14E 123 4.8b
BJI II 25 10 22 23.4 54.16N 159.22E 132 4.9b,4.8b
ISCJB II 25 10 22 24.8–.14 53.82N–.02 159.24E–.02 142–1 4.7b,4.8b
KRSC II 25 10 22 25.9–.80 53.75N 159.69E 123–43 4.6L,4.8b
IDC II 25 10 22 25.9–.39 53.99N 159.19E 136–3 4.5,4.5
NEIC II 25 10 22 25.5–.12 53.93N 159.15E 131 4.8b,4.5
DJA II 25 10 22 56.4–8.9 54N–13 157E–50 380–74 4.9b,4.7
ISC Event type se.
SZGRF Off east coast of Kamchatka Peninsula, Russia.
MOS Event type fe. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
ISCJB Event type fe.
KRSC Event type se.
NEIC Event type se.
KRSC II 25 20 08 01.2–.30 53.09N 160.54E 38–38 3.7L
¶14330722
KRSC Event type se.
ISC II 28 19 48 01.8–.81 53.42N–.06 159.16E–.06 134–6 3.1b 41 0-80
ISCJB II 28 19 48 01.4–.45 53.39N–.05 159.20E–.09 134–3 3.0b ¶12702138
KRSC II 28 19 48 02.0–1.2 53.45N 159.15E 128–28 3.6L
IDC II 28 19 48 02.1–.93 53.55N 158.84E 132–6 3.2,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.8km az=135.7.
KRSC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=18.2km az=147.0.
KRSC II 28 23 23 31.0–.70 54.69N 160.46E 9–10 3.7L
IDC II 28 23 23 30.8–.99 52.25N 161.09E 0 3.9,3.9L ¶14330729
KRSC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=10.6km az=0.0.
ISC III 02 04 06 22.0–.94 54.76N–.02 161.74E–.03 9–6 3.8b 94 0-69
MOS III 02 04 06 20.4–1.3 54.70N 161.85E 8 4.2b ¶12702232
KRSC III 02 04 06 20.2–.30 54.76N 161.74E 5–5 4.0L
ISCJB III 02 04 06 21.6–.58 54.68N–.02 161.83E–.05 13–3 3.7b
IDC III 02 04 06 21.4–.90 54.79N 161.83E 0 3.9,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=18.2km s-min=8.2km az=81.7.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.5km az=15.4.
IDC Error ellipse: s-maj=23.9km s-min=15.4km az=170.0.
KRSC III 02 04 42 38.3–.50 53.34N 160.56E 18–18 3.7L
¶14523363
KRSC Event type se.
KRSC III 02 18 08 20.0–.10 54.24N 162.53E 25–25 3.9L
¶14523365
KRSC Event type se.
KRSC III 03 16 58 16.6–.80 54.83N 160.80E 128–41 3.5L
¶14523417
KRSC Event type se.
KRSC III 04 21 51 25.8–.10 53.68N 160.90E 27–27 3.7L
¶14523467
KRSC Event type se.
KRSC III 06 16 08 08.0–.40 53.19N 158.15E 171–31 3.7L
¶14523554
KRSC Event type se.
KRSC III 06 19 10 03.2–.70 55.73N 162.45E 23–22 3.5L
¶14523555
KRSC Event type se.
IDC III 08 16 34 34.9–2.8 51.73N 157.45E 124–31 3.3,2.9b
¶12702737
IDC Error ellipse: s-maj=85.3km s-min=23.6km az=128.0.
KRSC III 11 10 54 51.4–.00 56.10N 163.28E 23–23 3.6L
¶14523717
KRSC Event type se.
KRSC III 17 00 36 43.1–.10 56.17N 163.31E 16–15 3.6L
¶14523893
KRSC Event type se.
KRSC III 19 02 29 21.0–.20 55.51N 161.92E 64–64 3.8L
¶14523973
KRSC Event type se.
KRSC III 19 16 16 48.9–.20 55.03N 162.43E 21–21 3.7L
¶14523974
KRSC Event type se.
KRSC III 20 02 04 05.2–.10 55.00N 162.87E 16–15 3.7L
¶14524022
KRSC Event type se.
ISC III 22 02 47 42.4–1.1 53.23N–.04 160.66E–.05 41–11 3.3b 82 0-76
ISCJB III 22 02 47 42.9–.52 53.28N–.03 160.55E–.06 54–6 3.3b ¶12635249
MOS III 22 02 47 42.5–1.6 53.42N 160.46E 53 4.1b
KRSC III 22 02 47 43.4–.40 53.30N 160.52E 43–32 4.0L
IDC III 22 02 47 46.6–2.4 53.41N 160.34E 79–22 3.4,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=2.8km az=32.6.
MOS Error ellipse: s-maj=47.8km s-min=25.1km az=138.7.
KRSC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=20.0km az=152.0.
ISC III 22 03 47 21.9–1.1 53.23N–.04 160.65E–.05 41–11 3.2b 81 0-70
ISCJB III 22 03 47 22.3–.54 53.28N–.03 160.56E–.06 53–6 3.3b ¶12635253
MOS III 22 03 47 22.6–1.7 53.59N 160.35E 50 4.1b
KRSC III 22 03 47 23.2–.30 53.32N 160.47E 43–33 3.9L
IDC III 22 03 47 26.4–2.3 53.26N 160.33E 85–25 3.2,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=2.9km az=34.7.
MOS Error ellipse: s-maj=47.3km s-min=28.9km az=140.4.
KRSC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=22.9km az=2.0.
KRSC III 23 19 55 38.6–.70 54.79N 160.67E 141–30 3.7L
¶14524106
KRSC Event type se.
KRSC III 25 22 07 59.9–.50 55.06N 162.21E 20–20 3.7L
¶14524219
KRSC Event type se.
KRSC III 29 10 20 00.4–.20 56.19N 162.23E 5–5 3.7L
¶14524354
KRSC Event type se.
KRSC III 31 11 11 42.9–.00 54.96N 162.45E 32–22 3.6L
¶14524435
KRSC Event type se.
KRSC III 31 12 26 51.7–.90 54.30N 162.67E 24–24 3.7L
¶14524436
KRSC Event type se.
KRSC IV 01 08 17 51.1–.40 53.39N 160.49E 39–29 3.7L
¶14509620
KRSC Event type se.
KRSC IV 03 01 24 32.3–.30 55.11N 162.40E 24–24 3.9L
¶14509629
KRSC Event type se.
KRSC IV 03 01 26 25.6–.20 55.11N 162.28E 12–11 3.6L
¶14509628
KRSC Event type se.
KRSC IV 04 21 37 13.4–.60 53.73N 160.53E 67–67 3.6L
¶14509630
KRSC Event type se.
ISC IV 05 00 20 24.9–.59 53.33N–.03 159.83E–.04 86–4 3.5b 104 0-80
MOS IV 05 00 20 24.3–.95 53.36N 159.79E 88 4.0b ¶12934600
ISCJB IV 05 00 20 24.8–.34 53.35N–.03 159.78E–.06 87–3 3.6b
KRSC IV 05 00 20 25.3–.70 53.39N 159.83E 75–54 4.1L
IDC IV 05 00 20 27.4–1.1 53.54N 159.40E 96–10 3.4,3.3
ISC Event type ke.
MOS Error ellipse: s-maj=18.3km s-min=8.5km az=72.7.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.0km az=31.9.
KRSC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=16.3km az=164.0.
KRSC IV 06 16 13 36.9–.40 54.66N 162.82E 19–19 3.8L
¶14509632
KRSC Event type se.
KRSC IV 11 00 54 32.2–.90 51.94N 158.85E 76–55 3.7L
¶14509645
KRSC Event type se.
KRSC IV 11 09 22 32.8–.80 53.47N 160.93E 41–40 3.6L
¶14509644
KRSC Event type se.
KRSC IV 11 11 40 40.4–.80 53.92N 160.72E 62–58 3.6L
¶14509643
KRSC Event type se.
KRSC IV 11 20 09 03.8–.50 54.92N 162.09E 28–18 3.7L
¶14509642
KRSC Event type se.
ISC IV 12 06 17 03.2–.64 54.15N–.03 161.97E–.04 10 3.6b 77 0-81
MOS IV 12 06 17 02.8–1.2 54.25N 161.97E 16 3.8b ¶12935119
IDC IV 12 06 17 02.6–.77 54.20N 161.88E 0 3.8,3.6

ISCJB IV 12 06 17 03.1–.41 54.00N–.02 162.03E–.05 10 3.4b,3.6
KRSC IV 12 06 17 03.9–.70 54.04N 161.87E 10–10 3.8L,3.6
ISC Event type se.
MOS Error ellipse: s-maj=36.6km s-min=16.3km az=45.1.
IDC Error ellipse: s-maj=29.9km s-min=13.0km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.4km az=24.1.
KRSC Event type se.
KRSC IV 12 07 26 44.4–.80 54.06N 161.85E 11–10 3.6L
¶14509650
KRSC Event type se.
KRSC IV 12 08 50 36.9–1.1 51.17N 157.30E 80–80 3.7L
¶14509648
KRSC Event type se.
KRSC IV 13 04 29 41.1–.70 51.03N 158.29E 19–19 3.9L
¶14509655
KRSC Event type se.
ISC IV 14 14 01 41.1–.75 51.89N–.06 157.52E–.07 131–6 3.7b 52 1-78
MOS IV 14 14 01 38.1–1.5 51.89N 157.04E 127 4.0b **¶12935254**
ISCJB IV 14 14 01 40.3–.55 51.92N–.06 157.5E–.10 135–4 3.4b
KRSC IV 14 14 01 41.0–.50 51.91N 157.77E 131–31 3.8L
IDC IV 14 14 01 42.2–1.3 52.13N 157.06E 142–9 3.6,3.2
ISC Event type ke.
MOS Error ellipse: s-maj=54.6km s-min=17.9km az=68.4.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=7.4km az=40.4.
KRSC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=16.6km az=147.0.
ISC IV 15 03 31 48.4–2.3 56.44N–.09 161.52E–.05 110–12 50 0-57
IDC IV 15 03 31 40.8–4.0 54.56N 164.72E 0 3.6,3.3 **¶14509666**
KRSC IV 15 03 31 47.6–.70 56.41N 161.52E 112–21 3.8L,3.3
ISCJB IV 15 03 31 49.1–.58 56.42N–.04 161.51E–.07 105–4 3.2b,3.3
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC IV 19 17 22 06.6–.00 56.42N 163.13E 10–10 3.6L
¶14510099
KRSC Event type se.
ISC IV 20 19 21 49.3–.79 54.38N–.02 161.27E–.03 74–7 3.9b 106 0-81
MOS IV 20 19 21 48.2–.75 54.36N 161.32E 75 4.1b **¶12935807**
ISCJB IV 20 19 21 48.7–.30 54.38N–.02 161.29E–.05 80–4 3.9b
KRSC IV 20 19 21 49.5–.30 54.41N 161.07E 64–52 4.3L
IDC IV 20 19 21 51.1–2.5 54.63N 160.58E 92–24 3.8,3.5
ISC Event type ke.
MOS Error ellipse: s-maj=18.4km s-min=8.4km az=69.5.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.4km az=23.1.
KRSC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=15.3km az=137.0.
ISC IV 21 05 17 28.2–.81 53.15N–.06 158.41E–.06 155–5 3.5b 58 0-72
KRSC IV 21 05 17 26.9–1.4 53.19N 158.37E 158–38 3.7L **¶12935903**
ISCJB IV 21 05 17 27.4–.41 53.13N–.04 158.41E–.09 157–3 3.4b
IDC IV 21 05 17 27.3–.86 53.40N 157.99E 146–9 3.5,3.1
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.3km az=36.8.
IDC Error ellipse: s-maj=59.0km s-min=21.5km az=145.0.
ISC IV 21 18 36 50.9–1.1 53.35N–.03 160.90E–.04 41–12 3.9b 137 1-80
MOS IV 21 18 36 49.7–.67 53.36N 160.95E 47 4.2b **¶12935849**
KRSC IV 21 18 36 50.0–.70 53.38N 160.84E 40–39 4.5L
ISCJB IV 21 18 36 50.4–.46 53.35N–.02 160.92E–.06 52–6 4.0b
NEIC IV 21 18 36 51.5–.83 53.47N 160.79E 48–9 4.2b
IDC IV 21 18 36 51.3–1.5 53.41N 160.89E 43–16 4.3L,4.0
ISC Event type se.
MOS Error ellipse: s-maj=14.6km s-min=7.8km az=66.1.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=2.4km az=33.3.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.3km az=151.0.
IDC Error ellipse: s-maj=21.8km s-min=9.3km az=164.0.
ISC IV 23 02 11 42.8–.25 55.75N–.03 161.26E–.02 140–1 5.0b 1526 0-164
BJI IV 23 02 11 40.1 55.78N 161.08E 134 5.1b,4.9b **¶13439005**
BGS IV 23 02 11 41.3–1.6 55.28N 158.34E 137 5.0b,4.9b
MOS IV 23 02 11 41.5–.83 55.85N 161.08E 137 5.0b,4.9b
SZGRF IV 23 02 11 41.6 55.43N 161.68E 153 5.4b,4.9b
ISCJB IV 23 02 11 42.9–.14 55.79N–.02 161.10E–.02 153–1 4.9b,4.9b
IDC IV 23 02 11 43.6–.50 55.90N 161.04E 142–4 4.8,4.8
NEIC IV 23 02 11 43.1–.47 55.86N 161.07E 137–4 5.0b,4.8
KRSC IV 23 02 11 44.6–.50 55.64N 161.41E 130–20 5.2L,4.8
GCMT IV 23 02 11 47.3–.20 55.83N 161.53E 148–1 5.2W,4.8
DJA IV 23 02 11 50.9–4.9 56N–9.0 161E–17 206–44 5.6b,5.1
ISC Event type fe.
MOS Event type fe. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
ISCJB Event type fe.
NEIC Event type se.
KRSC Event type se.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s61,c79; s94,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}3.40±.18 $M_{\theta\theta}$-1.67±.23; $M_{\phi\phi}$-1.73±.23; $M_{r\theta}$-0.21±.15; $M_{\theta\phi}$2.34±.19; $M_{\phi r}$6.24±.14; Best double couple: NP1:ϕ_s113.00000°,δ23.00000°,λ36.00000°. NP2:ϕ_s349.00000°,δ77.00000°,λ109.00000°. Principal axes: T 7.7200,Plg54.0000° ,Azm282.0000°; N -0.9600,Plg18.0000°,Azm165.0000°; P -6.7600,Plg29.0000° ,Azm64.0000° $M_0$7.20000×10^{16}
KRSC IV 23 19 39 20.5–.00 54.19N 160.91E 59–60 3.8L
¶14510107
KRSC Event type se.
ISC IV 27 20 20 24.7–1.1 55.13N–.03 162.36E–.03 32–8 3.6b 94 1-82
IDC IV 27 20 20 19.8–.75 55.24N 162.10E 0 3.9L,3.7 **¶12936261**
MOS IV 27 20 20 24.3–1.1 55.06N 162.53E 29 4.0b,3.7
KRSC IV 27 20 20 25.6–.20 55.13N 162.28E 33–22 4.2L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=13.7km az=6.0.
MOS Error ellipse: s-maj=17.1km s-min=8.8km az=68.4.
KRSC Event type se.
ISC IV 30 17 21 53.3–1.8 51.46N–.06 158.45E–.06 23–13 42 1-57
IDC IV 30 17 21 48.7–9.3 51.39N 158.76E 0 3.8,3.5 **¶12936492**
KRSC IV 30 17 21 55.3–.70 51.57N 158.39E 48–38 3.9L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=180.9km s-min=24.9km az=96.0.
KRSC Event type se.
ISC V 02 23 25 44.9–1.4 54.63N–.03 162.43E–.03 11–9 3.7b 110 0-85
IDC V 02 23 25 47.9–5.6 54.66N 162.33E 28–41 3.7,3.5 **¶13678256**
MOS V 02 23 25 47.2–1.5 54.61N 162.36E 46 4.2b,3.5
KRSC V 02 23 25 47.3–.10 54.61N 162.36E 33–23 4.0L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=12.5km az=6.0.
MOS Error ellipse: s-maj=14.9km s-min=8.5km az=83.3.
KRSC Event type se.
KRSC V 03 10 22 17.3–.10 55.86N 161.66E 79–69 3.6L
¶14784878
KRSC Event type se.
ISC V 05 02 31 49.8–1.1 56.34N–.05 163.05E–.03 13–6 3.6b 88 0-80
MOS V 05 02 31 48.7–1.3 56.33N 163.03E 14 3.8b **¶13678368**
KRSC V 05 02 31 48.4–.50 56.30N 163.18E 11–11 4.3L
ISCJB V 05 02 31 49.0–.70 56.26N–.03 163.18E–.04 11–4 3.6b,3.0s
IDC V 05 02 31 52.6–5.5 56.31N 162.85E 26–40 3.7,3.4
ISC Event type se.
MOS Error ellipse: s-maj=17.4km s-min=11.0km az=64.1.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=8.2.
IDC Error ellipse: s-maj=22.4km s-min=12.6km az=12.0.
ISC V 06 09 46 30.3–.64 54.05N–.03 159.95E–.04 117–6 3.8b 120 0-144
MOS V 06 09 46 29.4–.92 54.04N 159.94E 119 3.8b **¶13678444**
ISCJB V 06 09 46 29.7–.27 54.06N–.02 159.93E–.07 120–2 3.9b
KRSC V 06 09 46 30.2–.70 54.06N 159.99E 105–45 4.1L
IDC V 06 09 46 31.0–1.0 54.27N 159.50E 122–11 3.8,3.6
ISC Event type se.
MOS Error ellipse: s-maj=17.9km s-min=7.8km az=71.6.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=2.2km az=24.2.
KRSC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=11.9km az=144.0.
KRSC V 06 14 32 29.4–.40 53.37N 160.44E 40–29 3.6L
¶14784953
KRSC Event type se.
KRSC V 11 05 48 50.0–.40 55.53N 161.94E 65–64 3.7L
¶14785037
KRSC Event type se.
ISC V 12 07 50 49.1–.75 53.48N–.05 158.08E–.07 211–5 3.0b 55 0-80
KRSC V 12 07 50 47.3–.00 53.49N 158.13E 219–28 3.7L **¶13678800**
MOS V 12 07 50 48.0–1.8 53.41N 157.93E 210 3.9b
IDC V 12 07 50 48.7–.64 53.59N 157.59E 206–5 3.0,2.9
ISCJB V 12 07 50 48.3–.46 53.49N–.04 158.0E–.10 213–3 2.8b,2.9
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC V 12 09 06 46.0–1.0 53.25N–.04 160.66E–.04 41–12 3.4b 83 0-80
MOS V 12 09 06 44.8–1.8 52.49N 160.52E 39 4.2b **¶13678802**
IDC V 12 09 06 45.9–1.5 53.36N 160.66E 45–16 3.4,3.2
ISCJB V 12 09 06 45.7–.47 53.27N–.03 160.64E–.06 46–6 3.2b,3.2
KRSC V 12 09 06 46.4–.40 53.30N 160.57E 38–27 3.9L,3.2
ISC Event type se.
MOS Error ellipse: s-maj=36.7km s-min=30.2km az=2.8.
IDC Error ellipse: s-maj=31.7km s-min=10.8km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=2.7km az=36.6.
KRSC Event type se.
KRSC V 12 21 56 30.5–1.1 52.84N 158.80E 120–29 3.8L
¶14785050
KRSC Event type se.
KRSC V 13 02 56 07.2–1.0 55.85N 161.39E 110–39 3.9L
¶14785065
KRSC Event type se.
KRSC V 13 10 30 10.0–.30 55.57N 162.00E 64–63 3.8L
¶14785066
KRSC Event type se.
KRSC V 15 16 54 08.7–.10 56.14N 163.41E 8–8 3.6L
¶14785097
KRSC Event type se.
KRSC V 15 20 07 52.8–.40 56.25N 163.57E 8–8 3.5L
¶14785098
KRSC Event type se.
ISC V 16 16 42 43.0–1.6 54.78N–.03 162.47E–.04 37–2 3.6b 84 0-72
IDC V 16 16 42 37.8–1.0 54.93N 162.51E 0 3.7,3.6 **¶13679070**
MOS V 16 16 42 39.6–.56 54.96N 162.55E 29 4.2b,3.6
KRSC V 16 16 42 41.5–.30 54.81N 162.38E 24–24 4.0L,3.6
ISCJB V 16 16 42 42.3–.41 54.78N–.02 162.47E–.05 45–8 3.6b,3.4s
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC V 17 01 34 22.5–.50 54.84N 162.20E 31–31 3.6L
¶14785120
KRSC Event type se.
KRSC V 17 04 27 48.0–.10 54.83N 162.25E 33–22 3.7L
¶14785122
KRSC Event type se.
KRSC V 17 04 33 08.4–.50 54.82N 162.33E 20–19 3.7L
¶14785123
KRSC Event type se.
KRSC V 17 05 22 27.2–.40 54.83N 162.34E 21–20 3.6L
¶14785124
KRSC Event type se.
KRSC V 17 05 40 38.7–.20 54.83N 162.39E 24–23 3.6L
¶14785125
KRSC Event type se.
KRSC V 18 13 56 48.5–.80 55.74N 162.54E 41–41 3.7L
¶14785141
KRSC Event type se.
ISC V 20 06 24 10.2–.84 55.23N–.03 161.84E–.03 97–7 3.3b 104 1-78
ISCJB V 20 06 24 09.6–.36 55.23N–.02 161.83E–.05 99–4 3.3b **¶13679289**
MOS V 20 06 24 09.3–.62 55.21N 161.87E 84 4.0b
IDC V 20 06 24 11.7–1.8 55.05N 162.11E 112–18 3.4,3.1
KRSC V 20 06 24 11.3–.40 55.21N 161.73E 71–61 4.0L,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.8km az=25.8.
MOS Error ellipse: s-maj=21.2km s-min=9.4km az=72.0.
IDC Error ellipse: s-maj=32.8km s-min=11.6km az=159.0.
KRSC Event type se.
KRSC V 21 20 16 53.0–.60 54.26N 160.62E 88–88 3.6L
¶14785203
KRSC Event type se.
KRSC V 24 11 27 01.3–.30 54.98N 162.90E 39–39 3.5L
¶14785245
KRSC Event type se.
ISC V 28 15 20 48.1–2.0 55.32N–.03 162.80E–.04 12–14 3.5b 67 1-82
KRSC V 28 15 20 47.6–.10 55.32N 162.83E 21–21 4.0L **¶13679825**
ISCJB V 28 15 20 48.2–.66 55.29N–.02 162.82E–.04 18–5 3.4b
IDC V 28 15 20 48.5–.80 54.93N 162.96E 0 3.7,3.5
MOS V 28 15 20 50.3–1.1 55.04N 162.84E 24 4.2b,3.5
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.4km az=166.4.
IDC Error ellipse: s-maj=31.9km s-min=17.0km az=140.0.
MOS Error ellipse: s-maj=31.3km s-min=17.3km az=56.2.
ISC V 30 03 29 37.8–.81 53.19N–.03 160.54E–.03 43–7 3.9b 163 0-88
MOS V 30 03 29 37.7–1.2 53.24N 160.42E 56 4.4b **¶13679940**
ISCJB V 30 03 29 38.4–.41 53.21N–.02 160.49E–.05 62–3 3.8b
IDC V 30 03 29 38.9–1.6 53.36N 160.50E 50–15 4.3L,3.7
KRSC V 30 03 29 38.8–.30 53.23N 160.46E 43–33 4.3L,3.7
NEIC V 30 03 29 39.6–.79 53.38N 160.36E 56–8 4.3b,3.7
ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=6.9km az=74.9.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=2.3km az=35.4.
IDC Error ellipse: s-maj=17.9km s-min=10.0km az=169.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.0km az=163.0.
KRSC V 31 20 15 30.2–.30 54.37N 161.48E 43–32 3.6L
¶14785371
KRSC Event type se.
ISC VI 06 04 15 26.2–.22 54.55N–.02 161.65E–.02 41–1 5.2b,4.7s 1116 0-162
DJA VI 06 04 15 21.8–1.1 55N–12 162E–23 10 5.7b,5.3b **¶13195283**
BJI VI 06 04 15 21.3 54.83N 161.09E 7 4.9s,4.8b
BGS VI 06 04 15 23.5–2.0 54.18N 161.45E 34–999 5.1b,4.8b
TEH VI 06 04 15 23.0 54.67N 161.40E 10 5.2L,4.8b
MOS VI 06 04 15 26.5–.99 54.60N 161.58E 52 5.3b,4.7s
NEIC VI 06 04 15 26.3–.12 54.66N 161.45E 34 5.2b,4.7s
IDC VI 06 04 15 26.5–.42 54.67N 161.46E 35–3 4.8,4.8
KRSC VI 06 04 15 27.3–.40 54.53N 161.68E 40–20 5.3L,4.8
ISCJB VI 06 04 15 27.8–.24 54.58N–.02 161.53E–.03 66–2 5.0b,4.8
SZGRF VI 06 04 15 28.7 55.00N 162.25E 36 5.5b,4.3s
GCMT VI 06 04 15 32.2–.20 54.51N 162.06E 42–0 5.2W,4.3s
ISC Event type fe.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=6.8km s-min=3.3km az=90.3. Felt (II-III)at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=169.0. Felt [III] at Petropavlovsk-Kamchatskiy.
IDC Error ellipse: s-maj=11.2km s-min=8.6km az=149.0.

KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=141.5.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s83,c125; s72,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}6.43±.19 $M_{\theta\theta}$-0.51±.15; $M_{\phi\phi}$-5.92±.15; $M_{r\theta}$2.79±.16; $M_{\theta\phi}$-3.65±.12; $M_{\phi r}$2.12±.15; Best double couple: NP1:ϕ_s192.00000°,δ35.00000°,λ67.00000°. NP2:ϕ_s40.00000°,δ58.00000°,λ105.00000°. Principal axes: T 7.4700,Plg72.0000° ,Azm347.0000°; N 0.9700,Plg13.0000°,Azm212.0000°; P -8.4300,Plg12.0000° ,Azm119.0000° M_o8.00000×10^{16}

KRSC VI 06 07 54 56.6–.80 51.31N 158.33E 41–40 3.8L ¶14775904

KRSC Event type se.
KRSC VI 07 19 49 59.6–.60 54.61N 159.54E 183–26 3.6L ¶14775909

KRSC Event type se.
KRSC VI 13 15 44 21.7–.40 53.00N 159.14E 108–22 3.6L ¶14775919

KRSC Event type se.
ISC VI 16 04 56 06.5–1.1 53.54N–.03 160.83E–.04 41–10 3.8b 127 1-111
MOS VI 16 04 56 06.5–1.1 53.60N 160.68E 56 4.2b **¶13681467**
ISCJB VI 16 04 56 07.6–.44 53.61N–.03 160.62E–.07 65–4 3.8b
KRSC VI 16 04 56 08.2–.30 53.63N 160.61E 40–30 4.3L
IDC VI 16 04 56 11.2–1.7 53.78N 160.43E 77–15 3.8,3.7
ISC Event type se.
MOS Error ellipse: s-maj=15.3km s-min=7.3km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=2.3km az=28.4.
KRSC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=13.3km az=151.0.
ISC VI 16 06 27 08.0–1.1 54.45N–.03 161.98E–.05 29–7 3.5b 71 0-69
IDC VI 16 06 27 00.4–3.8 51.84N 162.55E 0 3.7,3.5L **¶14775927**
KRSC VI 16 06 27 07.4–.50 54.43N 161.86E 34–34 4.0L,3.5L
ISCJB VI 16 06 27 08.2–.78 54.42N–.02 161.92E–.07 32–7 3.2b,3.5L
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC VI 16 07 08 01.3–.99 56.22N–.04 162.83E–.03 9–6 3.4b 51 0-68
ISCJB VI 16 07 08 01.2–.73 56.27N–.04 162.93E–.05 10–4 3.3b **¶13681473**
KRSC VI 16 07 08 01.6–.00 56.24N 162.75E 5–5 3.6L
IDC VI 16 07 08 01.6–1.9 56.03N 163.44E 0 3.8,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.3km az=8.9.
KRSC Event type se.
IDC Error ellipse: s-maj=126.3km s-min=30.4km az=141.0.
ISC VI 18 05 17 49.7–1.0 54.42N–.03 161.85E–.04 29–8 94 0-3
MOS VI 18 05 17 50.1–.89 54.42N 161.81E 38 4.2b **¶14306225**
KRSC VI 18 05 17 51.4–.40 54.47N 161.62E 33–22 4.1L
ISC Event type se.
MOS Error ellipse: s-maj=22.9km s-min=11.0km az=81.4.
KRSC Event type se.
ISC VI 19 09 05 59.6–.50 55.56N–.02 162.28E–.02 69–4 4.7b 537 1-163
BJI VI 19 09 05 53.3 55.88N 161.17E 5 4.7b,4.7b **¶13197428**
NEIC VI 19 09 05 55.0–.15 55.63N 161.84E 25 4.7b,4.7b
MOS VI 19 09 05 58.0–1.0 55.70N 161.94E 63 5.0b,4.7b
KRSC VI 19 09 06 00.1–.60 55.50N 162.23E 63–56 5.2L,4.7b
IDC VI 19 09 06 00.7–2.3 55.66N 161.96E 75–21 4.4,4.4
ISCJB VI 19 09 06 00.9–.23 55.57N–.02 161.96E–.04 94–2 4.7b,4.4
SZGRF VI 19 09 06 16.7 58.37N 157.46E 33 5.1b,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=2.8km az=170.0.
MOS Error ellipse: s-maj=8.3km s-min=4.5km az=88.4.
KRSC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=7.8km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.7km az=35.5.
SZGRF Kamchatka Peninsula, Russia.
ISC VI 19 19 37 14.3–1.1 55.75N–.03 162.50E–.03 27–9 3.9b 97 1-68
IDC VI 19 19 37 11.2–1.3 56.01N 162.49E 0 4.0,3.8 **¶13681674**
MOS VI 19 19 37 13.6–1.1 55.77N 162.59E 35 4.1b,3.8
ISCJB VI 19 19 37 14.1–.40 55.74N–.02 162.51E–.05 41–7 3.7b,3.5s
KRSC VI 19 19 37 14.6–.20 55.75N 162.39E 33–23 4.0L,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=20.9km az=149.0.
MOS Error ellipse: s-maj=16.0km s-min=8.2km az=74.6.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.3km az=8.1.
KRSC Event type se.
ISC VI 20 00 40 35.6–.97 54.59N–.03 162.18E–.03 26–7 3.8b 103 0-82
MOS VI 20 00 40 35.0–.95 54.57N 162.19E 32 4.2b **¶13681686**
ISCJB VI 20 00 40 36.2–.48 54.60N–.02 162.07E–.06 44–6 3.7b
KRSC VI 20 00 40 36.4–.60 54.61N 161.96E 30–20 4.0L
IDC VI 20 00 40 39.9–2.9 54.85N 161.63E 63–29 3.6,3.3
ISC Event type se.
MOS Error ellipse: s-maj=16.7km s-min=9.6km az=75.4.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=2.6km az=17.8.
KRSC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=19.0km az=138.0.
ISC VI 20 00 55 29.8–.60 54.59N–.03 162.14E–.03 31–3 4.3b,3.3s 262 0-144
IDC VI 20 00 55 25.9–.65 54.76N 161.74E 0 4.4,4.3 **¶13383519**
BJI VI 20 00 55 28.5 54.70N 162.00E 35 4.7b,4.5b
MOS VI 20 00 55 28.3–1.2 54.63N 162.16E 28 4.7b,4.5b
ISCJB VI 20 00 55 30.7–.38 54.60N–.02 162.11E–.05 50–3 4.3b,3.5s
KRSC VI 20 00 55 30.5–.50 54.60N 162.03E 34–23 4.6L,3.5s
NEIC VI 20 00 55 31.1–.35 54.68N 162.01E 35 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=15.2km az=170.0.
MOS Error ellipse: s-maj=10.4km s-min=5.9km az=89.6.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.4km az=21.9.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.7km az=155.0.
KRSC VI 22 13 28 21.6–.30 51.00N 157.59E 66–66 3.5L ¶14775940

KRSC Event type se.
KRSC VI 25 13 58 42.3–1.2 51.02N 158.24E 51–51 3.8L ¶14775947

KRSC Event type se.
KRSC VI 26 21 38 12.8–.90 51.04N 157.78E 25–24 3.8L ¶14775952

KRSC Event type se.
KRSC VI 28 04 27 01.9–.50 51.12N 157.96E 41–31 3.6L ¶14775955

KRSC Event type se.
KRSC VI 29 17 47 18.2–.40 54.61N 162.10E 30–19 3.5L ¶14775960

KRSC Event type se.
KRSC VI 30 16 44 40.1–.40 55.33N 162.32E 22–21 3.6L ¶14775963

KRSC Event type se.

(219) Off east coast of Kamchatka Peninsula.

ISC I 02 12 49 05.8–1.6 51.09N–.09 160.74E–.06 15–9 3.7b 47 2-78
IDC I 02 12 49 03.6–.71 51.06N 160.70E 0 3.9,3.8L **¶12079819**
MOS I 02 12 49 05.5–.81 51.04N 160.92E 35 4.3b,3.8L
KRSC I 02 12 49 06.3–.50 51.19N 160.77E 42–41 4.2L,3.8L
ISCJB I 02 12 49 06.8–1.2 51.10N–.07 160.77E–.07 33–10 3.6b,3.8L
ISC Event type ke.
KRSC Event type se.
ISCJB Event type ke.
KRSC I 03 09 22 57.2–.60 52.70N 163.21E 40–40 3.9L ¶14344994

KRSC Event type se.
KRSC I 04 07 30 42.1–.80 51.53N 159.64E 5–5 3.7L ¶14344997

KRSC Event type se.
KRSC I 06 13 22 25.9–1.1 52.25N 159.24E 31–31 3.8L ¶14345000

KRSC Event type se.
KRSC I 13 22 17 20.3–1.3 51.01N 160.35E 10–10 3.8L ¶14345010

KRSC Event type se.
ISC I 14 05 14 22.9–.33 52.23N–.04 159.30E–.03 60–2 5.2b,5.0s 1171 1-148
IDC I 14 05 14 16.2–2.9 52.25N 159.39E 10–17 5.5L,4.8 **¶13404848**
MOS I 14 05 14 17.9–1.0 52.25N 159.26E 31 5.2b,5.1s
KRSC I 14 05 14 19.0–1.6 52.17N 159.70E 11–11 5.5L,5.1s
BJI I 14 05 14 20.9 52.52N 159.25E 63 5.2s,5.2b
DJA I 14 05 14 21 52.34N 159.20E 25 5.3b,5.2b
ISCJB I 14 05 14 21.0–.34 52.16N–.02 159.38E–.02 59–2 5.1b,5.0s
NEIC I 14 05 14 23.3–.56 52.27N 159.29E 62–5 5.1b,5.0s
TEH I 14 05 14 24.0 52.37N 159.14E 66 5.0L,5.0s
SZGRF I 14 05 14 31.9 53.04N 157.82E 60 5.1b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=15.9km s-min=9.3km az=166.0.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=4.1km az=95.4. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.1km az=171.8.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.8km az=165.0.
SZGRF Kamchatka Peninsula, Russia.
KRSC I 14 05 19 36.6–1.5 52.20N 159.54E 11–11 3.7L ¶14345011

KRSC Event type se.
KRSC I 14 05 45 31.8–.50 52.21N 159.61E 22–21 3.8L ¶14345012

KRSC Event type se.
ISC I 17 09 22 59.6–.28 53.86N–.03 161.06E–.03 44 4.8b,4.1s 510 1-150
BJI I 17 09 22 57.4 54.44N 160.82E 39 5.0b,4.8b **¶13405784**
MOS I 17 09 22 58.8–1.2 53.95N 160.85E 45 4.9b,4.8b
ISCJB I 17 09 22 58.5–.16 53.82N–.02 161.09E–.04 44 4.8b,4.1s
SZGRF I 17 09 23 00.9 54.66N 160.76E 33 4.8b,4.1s
NEIC I 17 09 23 00.3–.58 53.97N 160.87E 43–5 4.9b,4.1s
KRSC I 17 09 23 01.2–.10 53.91N 160.94E 43–22 4.8L,4.1s
IDC I 17 09 23 04.4–1.3 54.06N 160.72E 78–12 4.3,4.3
ISC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=4.8km az=88.3.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.0km az=32.4.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.4km az=158.0.
KRSC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=8.8km az=147.0.
KRSC I 18 06 24 06.4–.30 52.61N 159.56E 27–26 3.7L ¶14345017

KRSC Event type se.
KRSC I 18 21 12 56.7–.90 53.83N 161.46E 5–5 3.5L ¶14345018

KRSC Event type se.
KRSC I 19 22 02 24.5–1.2 53.01N 162.90E 52–51 3.5L ¶14345021

KRSC Event type se.
KRSC I 20 16 11 14.2–.40 52.49N 162.00E 12–11 3.5L ¶14345022

KRSC Event type se.
KRSC I 21 07 15 30.5–.30 52.00N 159.22E 23–22 3.7L ¶14345023

KRSC Event type se.
KRSC I 27 22 48 33.8–1.1 53.25N 162.09E 73–87 3.6L ¶14345032

KRSC Event type se.
KRSC I 29 01 12 25.4–.60 52.77N 162.79E 31–31 3.9L ¶14345036

KRSC Event type se.
KRSC I 31 16 07 53.7–1.0 53.18N 162.65E 40–40 3.5L ¶14345040

KRSC Event type se.
ISC I 31 23 21 10.3–.39 52.76N–.04 160.25E–.03 41–3 4.5b 357 0-88
BJI I 31 23 21 08.6 53.26N 160.00E 39 5.0b,4.5s **¶13434104**
SZGRF I 31 23 21 09.8 52.29N 159.83E 33 4.8b,4.4s
MOS I 31 23 21 09.9–1.2 52.82N 160.08E 48 4.6b,4.4s
IDC I 31 23 21 10.1–.62 52.92N 160.03E 31–4 4.2L,4.2
KRSC I 31 23 21 11.6–.30 52.85N 160.18E 41–20 4.7L,4.2
NEIC I 31 23 21 11.9–.73 52.89N 160.07E 50–6 4.5b,4.2
ISCJB I 31 23 21 11.5–.47 52.84N–.03 160.04E–.05 58–3 4.4b,4.2s
ISC Event type fe.
SZGRF Off east coast of Kamchatka Peninsula, Russia.
MOS Event type fe. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
NEIC Event type se.
ISCJB Event type fe.
KRSC II 02 15 20 55.9–1.0 52.84N 159.45E 36–36 3.6L ¶14330673

KRSC Event type se.
KRSC II 04 14 07 00.5–.80 52.52N 159.83E 24–23 3.6L ¶14330678

KRSC Event type se.
ISC II 08 12 24 59.9–.60 52.85N–.04 160.13E–.04 46–5 3.9b 110 0-87
MOS II 08 12 24 59.7–1.2 52.96N 160.03E 55 4.0b **¶12088149**
ISCJB II 08 12 25 00.4–.52 52.89N–.04 160.06E–.06 59–3 3.9b
IDC II 08 12 25 00.5–.67 53.10N 159.79E 42–6 4.3L,3.8
KRSC II 08 12 25 00.6–.80 52.88N 160.15E 42–22 4.5L,3.8
ISC Event type se.
MOS Error ellipse: s-maj=13.8km s-min=7.0km az=83.4.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.5km az=43.8.
IDC Error ellipse: s-maj=20.0km s-min=12.6km az=143.0.
KRSC Event type se.
KRSC II 10 10 59 56.0–1.9 52.51N 159.15E 43–43 3.5L ¶14330685

KRSC Event type se.
KRSC II 11 13 32 07.4–.70 52.43N 160.63E 11–11 3.8L ¶14330688

KRSC Event type se.
KRSC II 12 15 31 29.5–1.1 52.63N 159.68E 33–32 3.5L ¶14330689

KRSC Event type se.
KRSC II 16 09 30 19.2–.60 52.83N 159.73E 51–31 3.6L ¶14330698

KRSC Event type se.
KRSC II 18 02 54 17.4–.70 52.83N 160.53E 12–11 3.5L ¶14330703

KRSC Event type se.
KRSC II 19 22 37 11.1–.40 52.70N 160.17E 20–19 3.7L ¶14330709

KRSC Event type se.
ISC II 20 02 52 39.5–2.0 55.68N–.03 163.65E–.03 11–13 3.7b 100 1-68
IDC II 20 02 52 38.3–.82 55.79N 163.52E 0 3.7,3.6 **¶12701303**
MOS II 20 02 52 39.5–1.1 55.71N 163.74E 20 4.1b,3.6
KRSC II 20 02 52 41.4–.20 55.63N 163.63E 25–24 4.2L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=13.1km az=19.0.
MOS Error ellipse: s-maj=12.6km s-min=9.9km az=84.9.
KRSC Event type se.
KRSC II 21 03 59 08.9–.30 54.84N 163.98E 37–37 3.6L ¶14330710

KRSC Event type se.
KRSC II 21 08 15 32.4–.30 52.68N 159.93E 28–28 3.6L ¶14330712

KRSC Event type se.

ISC II 21 17 22 57.9–1.9 51.27N–.06 159.51E–.06 6–10 3.5b 45 1-76
IDC II 21 17 22 54.1–1.0 51.27N 160.37E 0 3.7,3.7L ¶12701452
MOS II 21 17 22 56.3–1.4 51.15N 159.56E 7 4.2b,3.7L
KRSC II 21 17 22 58.6–.70 51.30N 159.54E 5–5 4.3L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=21.4km az=137.0.
MOS Error ellipse: s-maj=20.3km s-min=8.5km az=91.4.
KRSC Event type se.
KRSC II 21 22 11 13.9–1.1 51.00N 160.14E 41–41 3.7L
¶14330716
KRSC Event type se.
KRSC II 26 21 10 00.0–.60 53.08N 162.49E 43–42 3.7L
¶14330724
KRSC Event type se.
KRSC II 27 02 58 20.4–1.2 52.86N 159.71E 53–33 3.6L
¶14330726
KRSC Event type se.
ISC III 04 08 06 03.8–.86 52.91N–.04 160.15E–.04 46–7 4.2b 239 0-87
MOS III 04 08 06 03.4–1.2 53.01N 160.01E 52 4.3b ¶12085969
ISCJB III 04 08 06 04.2–.48 52.94N–.03 160.05E–.06 61–3 4.3b
KRSC III 04 08 06 04.5–.00 52.97N 160.03E 50–30 4.2L
NEIC III 04 08 06 06.6–.89 53.12N 159.79E 61–7 4.9b
IDC III 04 08 06 07.6–1.8 53.14N 159.74E 73–15 3.9,3.9
ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=5.9km az=88.2.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.0km az=34.6.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.2km az=140.0.
IDC Error ellipse: s-maj=15.7km s-min=10.5km az=143.0.
KRSC III 06 19 23 25.2–.60 52.10N 162.37E 42–41 3.5L
¶14523556
KRSC Event type se.
KRSC III 12 05 58 01.6–.80 53.52N 161.39E 10–10 3.5L
¶14523756
KRSC Event type se.
KRSC III 16 03 48 35.3–1.2 52.19N 162.22E 42–41 3.7L
¶14523861
KRSC Event type se.
KRSC III 16 13 53 34.5–.80 52.45N 159.65E 23–23 3.8L
¶14523862
KRSC Event type se.
ISC III 22 06 05 13.2–1.3 52.47N–.05 159.72E–.04 41–12 3.7b 77 1-75
MOS III 22 06 05 12.5–1.7 52.49N 159.53E 53 4.1b ¶12635267
ISCJB III 22 06 05 14.4–.53 52.58N–.04 159.60E–.06 59–4 3.6b,3.1s
KRSC III 22 06 05 15.6–1.1 52.64N 159.65E 34–23 4.0L,3.1s
IDC III 22 06 05 17.9–1.8 52.66N 159.31E 76–13 3.6,3.4
ISC Event type se.
MOS Error ellipse: s-maj=20.1km s-min=14.6km az=98.6.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.1km az=44.7.
KRSC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=18.9km az=169.0.
KRSC III 28 08 47 12.1–.80 55.21N 163.31E 11–10 3.7L
¶14524330
KRSC Event type se.
ISC III 29 04 13 46.8–1.4 53.76N–.03 161.18E–.04 5–9 3.4b 79 1-70
IDC III 29 04 13 47.5–1.0 54.05N 160.95E 0 3.6,3.4b ¶12635836
MOS III 29 04 13 48.8–2.0 54.16N 160.97E 22 4.0b,3.4b
KRSC III 29 04 13 52.6–.40 53.74N 161.00E 28–17 3.8L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=11.9km az=5.0.
MOS Error ellipse: s-maj=35.3km s-min=22.2km az=52.3.
KRSC Event type se.
KRSC III 29 08 08 46.9–.20 52.37N 160.68E 32–32 3.7L
¶14524353
KRSC Event type se.
KRSC III 31 22 45 37.4–1.5 53.78N 163.94E 41–41 3.8L
¶14524437
KRSC Event type se.
ISC IV 02 13 24 04.0–.70 55.68N–.03 163.42E–.03 16–4 4.1b,3.4s 169 1-83
IDC IV 02 13 24 02.4–.56 55.66N 163.23E 0 4.2L,4.0 ¶12934319
MOS IV 02 13 24 03.5–1.2 55.67N 163.47E 18 4.4b,4.0
NEIC IV 02 13 24 03.8–.42 55.81N 163.29E 10 4.5b,4.0
KRSC IV 02 13 24 04.9–.00 55.63N 163.47E 18–17 4.5L,4.0
BJI IV 02 13 24 09.2 55.90N 162.00E 33 4.7b,4.3s
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=11.3km az=5.0.
MOS Error ellipse: s-maj=10.3km s-min=7.0km az=89.5.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.1km az=151.0.
KRSC Event type se.
KRSC IV 03 18 43 47.8–.30 53.82N 161.13E 23–23 3.5L
¶14509625
KRSC Event type se.
KRSC IV 08 10 17 14.6–.70 54.41N 163.08E 15–15 4.0L
MOS IV 08 10 17 14.4–.56 54.40N 163.03E 16 4.2b ¶14210746
KRSC Event type se.
MOS Error ellipse: s-maj=18.8km s-min=11.8km az=90.6.
KRSC IV 09 03 22 17.1–.10 54.83N 163.08E 18–17 3.6L
¶14509640
KRSC Event type se.
KRSC IV 09 17 42 58.3–.40 51.55N 160.31E 5–5 3.5L
¶14509636
KRSC Event type se.
KRSC IV 12 08 29 03.6–1.0 54.53N 163.14E 11–10 3.5L
¶14509649
KRSC Event type se.
ISC IV 12 11 15 47.6–2.0 54.37N–.04 163.11E–.06 7–11 56 1-4
KRSC IV 12 11 15 48.1–.80 54.33N 163.06E 10–10 4.0L ¶14260714
MOS IV 12 11 15 49.5–1.3 54.41N 163.06E 21 4.2b
ISC Event type ke.
KRSC Event type se.
MOS Error ellipse: s-maj=36.8km s-min=19.2km az=110.8.
KRSC IV 13 14 20 39.7–.70 51.78N 161.15E 19–18 3.6L
¶14509654
KRSC Event type se.
KRSC IV 13 17 44 01.0–.50 52.10N 159.26E 29–28 3.6L
¶14509653
KRSC Event type se.
KRSC IV 14 01 39 36.5–.00 51.90N 159.27E 30–19 3.7L
¶14509662
KRSC Event type se.
ISC IV 14 17 54 47.7–1.4 51.61N–.07 159.02E–.06 47–17 3.4b 43 1-72
MOS IV 14 17 54 44.0–.39 51.36N 158.80E 48 4.0b ¶12935247
IDC IV 14 17 54 45.9–4.7 51.38N 158.54E 54–35 4.1L,3.7
ISCJB IV 14 17 54 47.7–.89 51.66N–.07 158.97E–.10 62–11 3.4b,3.7
KRSC IV 14 17 54 49.1–.60 51.74N 158.88E 40–30 4.0L,3.7
ISC Event type se.
MOS Error ellipse: s-maj=29.4km s-min=12.5km az=80.7.
IDC Error ellipse: s-maj=41.4km s-min=21.4km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=7.6km az=140.7.
KRSC Event type se.
ISC IV 14 20 00 37.6–1.4 55.07N–.04 163.00E–.03 3–10 47 1-59
KRSC IV 14 20 00 38.6–.60 55.01N 162.91E 5–5 4.0L ¶12935242
ISCJB IV 14 20 00 38.8–1.1 55.01N–.03 162.98E–.06 10–8 3.6b
IDC IV 14 20 00 38.0–1.3 55.16N 163.02E 0 3.7,3.7b
ISC Event type ke.
KRSC Event type se.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.0km az=21.3.
IDC Error ellipse: s-maj=29.8km s-min=14.6km az=17.0.
KRSC IV 15 16 58 21.7–.40 52.86N 162.65E 52–51 3.7L
¶14509665
KRSC Event type se.
KRSC IV 15 17 48 27.4–1.0 51.87N 161.79E 32–31 3.6L
¶14509663
KRSC Event type se.
ISC IV 15 19 57 36.9–1.5 55.39N–.04 163.76E–.03 6–12 55 1-4
ISCJB IV 15 19 57 37.6–1.2 55.38N–.04 163.81E–.06 6–9 ¶14260752
KRSC IV 15 19 57 38.5–.00 55.39N 163.85E 23–22 4.1L
MOS IV 15 19 57 38.8–1.6 55.35N 163.80E 24 4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.9km az=34.7.
KRSC Event type se.
MOS Error ellipse: s-maj=25.2km s-min=20.3km az=123.5.
KRSC IV 16 03 33 57.9–1.2 52.96N 160.22E 72–71 3.6L
¶14509668
KRSC Event type se.
KRSC IV 16 08 20 01.4–1.3 51.37N 160.74E 10–10 3.6L
¶14509667
KRSC Event type se.
KRSC IV 22 18 12 16.6–.50 52.92N 160.14E 46–26 3.7L
¶14510106
KRSC Event type se.
ISC IV 23 01 24 11.6–2.2 52.33N–.07 161.66E–.06 4–13 3.3b 42 1-70
IDC IV 23 01 24 10.7–2.6 52.22N 161.85E 0 3.6,3.4 ¶12936039
KRSC IV 23 01 24 13.8–.90 52.41N 161.60E 10–10 3.8L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=86.4km s-min=21.4km az=4.0.
KRSC Event type se.
KRSC IV 27 14 51 00.4–1.1 54.06N 163.26E 78–92 3.8L
¶14510110
KRSC Event type se.
KRSC V 02 16 08 59.6–.20 52.90N 160.46E 21–16 3.6L
¶14784865
KRSC Event type se.
KRSC V 10 21 20 20.9–.80 51.53N 160.53E 40–39 4.1L
MOS V 10 21 20 20.9–1.3 51.53N 160.53E 40 4.3b ¶14264756
KRSC Event type se.
MOS Error ellipse: s-maj=45.6km s-min=20.5km az=94.7.
ISC V 14 22 23 02.6–.83 51.58N–.06 161.36E–.04 30 3.6b 75 2-71
IDC V 14 22 23 00.6–1.4 51.94N 161.23E 0 4.2L,3.9 ¶13678959
MOS V 14 22 23 01.1–.80 51.70N 161.43E 21 4.4b,3.9
ISCJB V 14 22 23 02.5–.58 51.69N–.04 161.33E–.04 30 3.4b,3.9
KRSC V 14 22 23 02.9–1.0 51.72N 161.21E 40–39 4.3L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=16.3km az=177.0.
MOS Error ellipse: s-maj=17.4km s-min=9.5km az=96.2.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.9km az=1.3.
KRSC Event type se.
KRSC V 15 04 31 53.6–.10 53.38N 161.28E 17–17 3.8L
¶14785095
KRSC Event type se.
KRSC V 15 14 11 36.2–.70 52.40N 161.63E 41–40 3.6L
¶14785096
KRSC Event type se.
KRSC V 16 03 24 10.6–.30 55.21N 163.24E 5–5 3.6L
¶14785109
KRSC Event type se.
ISC V 22 18 00 55.0–.89 52.64N–.04 159.70E–.04 52–9 3.2b 87 1-71
IDC V 22 18 00 52.1–.75 53.87N 159.41E 0 3.7,3.5L ¶13679429
MOS V 22 18 00 53.1–1.5 52.61N 159.57E 69 4.2b,3.5L
ISCJB V 22 18 00 55.6–.47 52.69N–.03 159.62E–.06 65–4 3.3b,3.5L
KRSC V 22 18 00 55.8–.70 52.69N 159.68E 51–40 4.0L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=10.1km az=160.0.
MOS Error ellipse: s-maj=19.9km s-min=15.5km az=97.6.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.2km az=39.7.
KRSC Event type se.
ISC V 25 19 59 25.3–.46 52.73N–.04 160.18E–.03 41–3 4.8b,3.9s 568 0-112
MOS V 25 19 59 23.5–1.2 52.75N 159.89E 33 5.1b,3.9s ¶13469844
KRSC V 25 19 59 24.8–.60 52.73N 160.23E 26–25 5.1L,3.9s
IDC V 25 19 59 25.5–.71 52.94N 159.85E 32–4 4.4,4.4
ISCJB V 25 19 59 25.8–.40 52.73N–.02 160.13E–.04 57–2 4.7b,3.9s
SZGRF V 25 19 59 26.4 52.73N 159.89E 33 5.0b,3.9s
BJI V 25 19 59 26.1 52.90N 159.90E 62 4.6b,4.5b
NEIC V 25 19 59 26.7–.84 52.86N 159.95E 44–7 4.9b,4.5b
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=8.1km s-min=3.8km az=95.8. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
IDC Error ellipse: s-maj=12.2km s-min=8.4km az=166.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.5km az=41.8.
SZGRF Off east coast of Kamchatka Peninsula, Russia.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.8km az=165.0. Felt [II] at Petropavlovsk-Kamchatskiy.
ISC V 26 15 55 16.5–1.6 52.85N–.04 160.65E–.04 7–10 3.4b,2.9s 100 0-70
IDC V 26 15 55 15.6–.94 53.03N 160.66E 0 4.0L,3.8 ¶13679685
MOS V 26 15 55 15.9–1.2 52.77N 160.81E 13 4.1b,3.8
ISCJB V 26 15 55 17.6–.76 52.81N–.02 160.69E–.05 16–5 3.4b,2.9s
KRSC V 26 15 55 18.5–.20 52.89N 160.55E 11–11 4.1L,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=10.4km az=177.0.
MOS Error ellipse: s-maj=11.6km s-min=8.2km az=80.4.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.9km az=39.3.
KRSC Event type se.
KRSC V 27 14 05 04.9–.90 52.62N 159.63E 95–64 3.7L
¶14785290
KRSC Event type se.
KRSC V 29 00 22 13.9–.10 55.82N 163.13E 22–22 3.6L
¶14785326
KRSC Event type se.
KRSC V 30 05 48 34.1–.20 52.98N 161.87E 37–37 3.5L
¶14785352
KRSC Event type se.
ISC V 30 21 31 32.8–1.5 53.72N–.04 161.63E–.05 2–11 91 1-5
MOS V 30 21 31 32.6–.76 53.69N 161.75E 11 4.2b ¶14270414
ISCJB V 30 21 31 34.2–.86 53.74N–.04 161.6E–.10 10–8 4.2b
KRSC V 30 21 31 34.0–.40 53.72N 161.66E 16–15 4.1L
ISC Event type se.
MOS Error ellipse: s-maj=20.3km s-min=10.8km az=79.3.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=2.4km az=30.6.
KRSC Event type se.
ISC V 31 09 27 45.2–.40 52.06N–.03 159.13E–.03 52–3 4.6b,3.6s 464 1-145
MOS V 31 09 27 43.3–.89 52.14N 158.95E 45 4.8b,3.6s ¶13193404
KRSC V 31 09 27 44.1–.30 52.11N 159.19E 23–23 4.7L,3.6s
IDC V 31 09 27 45.0–.46 52.28N 159.04E 44–4 4.3,4.3
ISCJB V 31 09 27 45.4–.37 52.11N–.02 159.05E–.04 65–2 4.4b,4.3
NEIC V 31 09 27 48.0–.67 52.27N 158.95E 70–6 4.7b,4.3
BJI V 31 09 27 48.0 52.05N 158.62E 76 4.8b,4.5b
SZGRF V 31 09 27 54.9 53.59N 157.62E 33 4.8b,3.8s
ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=4.3km az=89.8.
KRSC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=9.6km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.7km az=44.2.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=159.0.
SZGRF Kamchatka Peninsula, Russia.
KRSC V 31 13 40 52.6–.70 51.83N 161.25E 39–38 4.0L
¶14785370
KRSC Event type se.
ISC VI 02 15 23 16.0–.80 52.48N–.05 161.20E–.04 37–1 4.1b,3.3s 97 1-83
IDC VI 02 15 23 12.7–.62 52.53N 160.88E 0 4.2,4.2L ¶13680233
MOS VI 02 15 23 13.8–1.0 52.42N 161.14E 27 4.3b,4.2L
ISCJB VI 02 15 23 15.9–.63 52.47N–.04 161.17E–.05 43–5 4.0b,3.2s

KRSC VI 02 15 23 15.6–.60 52.51N 161.11E 41–41 4.5L,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=9.9km az=171.0.
MOS Error ellipse: s-maj=9.5km s-min=7.2km az=87.1.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.4km az=154.0.
KRSC Event type se.
ISC VI 03 07 53 55.6–.69 51.47N–.04 159.13E–.04 47–6 3.8b,3.4s 108 1-83
KRSC VI 03 07 53 53.5–1.0 51.56N 159.10E 8–8 4.5L,3.4s ¶13680343
MOS VI 03 07 53 54.1–1.2 51.51N 159.07E 49 4.4b,3.4s
ISCJB VI 03 07 53 55.3–.61 51.48N–.04 159.10E–.06 59–5 3.9b,3.3s
IDC VI 03 07 53 56.1–.71 51.60N 159.04E 44–6 3.9,3.7
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=11.8km s-min=6.0km az=79.3.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.4km az=44.4.
IDC Error ellipse: s-maj=17.2km s-min=13.0km az=133.0.
ISC VI 03 19 12 14.0–2.1 55.87N–.04 163.87E–.03 13–13 3.9b 112 1-73
IDC VI 03 19 12 12.5–.62 56.03N 163.70E 0 4.1,3.9 ¶13680364
ISCJB VI 03 19 12 14.2–.76 55.85N–.03 164.05E–.04 25–6 3.9b,3.9
KRSC VI 03 19 12 14.1–.40 55.84N 163.86E 11–10 4.2L,3.9
MOS VI 03 19 12 15.4–.83 55.91N 163.86E 38 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=10.9km az=6.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.5km az=179.9.
KRSC Event type se.
MOS Error ellipse: s-maj=12.0km s-min=8.4km az=67.1.
ISC VI 04 01 01 20.5–2.0 51.54N–.06 159.22E–.05 8–11 3.3b 49 1-48
IDC VI 04 01 01 22.2–2.1 51.82N 159.45E 0 3.5,3.5L ¶13680435
KRSC VI 04 01 01 24.1–.20 51.73N 159.14E 22–21 4.0L,3.5L
MOS VI 04 01 01 24.1–2.9 51.73N 159.14E 22 4.2b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=12.0km az=7.0.
KRSC Event type se.
MOS Error ellipse: s-maj=33.3km s-min=21.4km az=94.7.
KRSC VI 05 23 04 25.9–.60 51.53N 159.24E 23–22 3.7L
¶14775903
KRSC Event type se.
KRSC VI 10 04 01 20.2–.80 53.09N 163.04E 41–40 3.6L
¶14775914
KRSC Event type se.
ISC VI 11 01 35 07.1–.33 52.99N–.03 159.50E–.03 103–2 5.3b 1203 0-160
NSSC VI 11 01 34 55.9–2.5 55.37N 162.94E 5–999 5.3b ¶13196134
BJI VI 11 01 34 59.7 53.26N 159.74E 67 5.0b,5.0b
SZGRF VI 11 01 35 04.2 53.29N 158.69E 33 5.9b,3.7s
MOS VI 11 01 35 05.5–.94 53.09N 159.28E 93 5.5b,3.7s
ISCJB VI 11 01 35 07.3–.21 53.00N–.02 159.40E–.03 114–1 5.2b,3.7s
KRSC VI 11 01 35 07.4–.70 52.93N 159.74E 98–38 5.5L,3.7s
IDC VI 11 01 35 07.9–.50 53.04N 159.31E 105–4 5.0,5.0
BGS VI 11 01 35 07.9–1.4 53.23N 160.65E 100 5.3b,5.0
NEIC VI 11 01 35 08.0–.55 53.05N 159.36E 104–5 5.2b,5.0
GCMT VI 11 01 35 11.3–.20 53.01N 159.72E 105–2 5.1W,5.0
DJA VI 11 01 35 16.5–10 54N–21 159E–54 181–77 5.3b,4.9b
ISC Event type fe.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
MOS Event type fe. Felt (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
ISCJB Event type fe.
KRSC Event type se.
NEIC Event type fe. Felt [IV] at Petropavlovsk-Kamchatskiy.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s47,c64; s93,c156; Moment tensor: Scale 10^{16}Nm; M_{rr}1.64±.17 $M_{\theta\theta}$2.57±.16; $M_{\phi\phi}$-4.21±.15; $M_{r\theta}$4.00±.10; $M_{\theta\phi}$-0.53±.15; $M_{\phi r}$3.08±.10; Best double couple: NP1:ϕ_s147.00000°,δ34.00000°,λ16.00000°. NP2:ϕ_s44.00000°,δ81.00000°,λ123.00000°. Principal axes: T 6.4100,Plg44.0000° ,Azm347.0000°; N -0.3000,Plg33.0000°,Azm218.0000°; P -6.1100,Plg28.0000° ,Azm108.0000° M_o6.30000×10^{16}
ISC VI 13 11 07 37.4–1.9 53.67N–.04 161.92E–.05 4–12 3.4b 82 1-69
IDC VI 13 11 07 37.5–1.1 54.04N 161.84E 0 3.6,3.4 ¶13681277
MOS VI 13 11 07 37.6–1.4 54.40N 161.50E 11 3.9b,3.4
KRSC VI 13 11 07 37.7–.50 53.67N 161.87E 11–10 3.9L,3.4
ISCJB VI 13 11 07 38.5–.80 53.67N–.02 161.94E–.05 20–7 3.4b,3.4
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC VI 13 15 54 07.2–.80 53.69N 161.83E 5–5 3.6L
¶14775920
KRSC Event type se.
KRSC VI 13 20 13 33.4–.40 53.62N 161.97E 11–11 3.8L
¶14775921
KRSC Event type se.
KRSC VI 13 20 15 44.6–.60 53.76N 161.59E 5–5 3.5L
¶16595746
KRSC Event type se.
ISC VI 14 02 50 22.3–2.1 53.72N–.04 161.82E–.05 5–13 4.2b,3.6s 145 1-146
MOS VI 14 02 50 21.9–.94 53.69N 161.96E 13 4.4b,3.6s ¶13383476
KRSC VI 14 02 50 21.7–.90 53.65N 161.87E 5–5 4.6L,3.6s
IDC VI 14 02 50 21.7–.67 53.91N 161.71E 0 4.2,4.0
ISCJB VI 14 02 50 22.4–.80 53.59N–.02 162.03E–.04 16–6 4.0b,3.5s
NEIC VI 14 02 50 26.4–2.4 53.93N 161.68E 31–17 4.3b,3.5s
ISC Event type se.
MOS Error ellipse: s-maj=14.0km s-min=8.1km az=62.3.
KRSC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=13.1km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.8km az=36.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=4.9km az=156.0.
KRSC VI 14 03 29 47.9–.70 53.59N 162.05E 12–11 3.6L
¶14775922
KRSC Event type se.
ISC VI 14 05 02 25.1–1.7 53.62N–.04 161.93E–.06 2–10 3.9b 100 1-81
MOS VI 14 05 02 23.9–.77 53.62N 162.08E 8 4.1b ¶13681330
KRSC VI 14 05 02 23.6–.30 53.57N 162.06E 5–5 4.6L
ISCJB VI 14 05 02 24.4–.89 53.57N–.02 162.08E–.05 8–6 3.8b
IDC VI 14 05 02 24.6–.69 53.78N 161.82E 0 4.1,3.9
ISC Event type se.
MOS Error ellipse: s-maj=14.6km s-min=9.2km az=66.2.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.8km az=30.2.
IDC Error ellipse: s-maj=23.4km s-min=13.0km az=158.0.
KRSC VI 14 05 15 50.6–.30 53.77N 161.45E 11–10 3.6L
¶14775923
KRSC Event type se.
KRSC VI 14 17 12 44.4–.20 53.74N 161.67E 10–10 3.6L
¶14775924
KRSC Event type se.
KRSC VI 14 17 20 54.2–.50 53.66N 161.95E 11–10 3.6L
¶14775925
KRSC Event type se.
KRSC VI 20 22 32 50.5–.80 53.26N 162.78E 41–40 3.8L
¶14775938
KRSC Event type se.
ISC VI 23 13 54 13.8–1.6 52.86N–.05 160.22E–.04 33–3 49 0-4
ISCJB VI 23 13 54 14.2–.67 52.89N–.04 160.15E–.06 40–10 ¶14341971
MOS VI 23 13 54 14.7–2.0 53.01N 160.10E 36 4.2b
KRSC VI 23 13 54 14.1–.30 52.91N 160.10E 43–22 4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.9km az=143.2.
MOS Error ellipse: s-maj=28.0km s-min=15.1km az=69.4.
KRSC Event type se.
KRSC VI 24 03 29 16.3–.90 52.07N 160.39E 10–10 3.6L
¶14775943
KRSC Event type se.
KRSC VI 24 11 26 18.4–.20 52.54N 160.81E 5–5 3.6L
¶14775944

KRSC Event type se.
KRSC VI 27 01 53 53.0–1.0 52.52N 160.00E 30–30 3.6L
¶14775953
KRSC Event type se.

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IDC I 04 15 16 33.6–2.6 49.13N 151.00E 339–35 3.0,2.9b
¶12080227
IDC Error ellipse: s-maj=40.8km s-min=25.0km az=85.0.
ISC I 05 23 05 42.9–.76 47.7N–.10 147.29E–.09 431–10 3.5b 73 3-80
ISCJB I 05 23 05 42.4–.48 47.82N–.08 147.3E–.10 435–8 3.4b ¶12080420
IDC I 05 23 05 44.6–1.2 48.13N 147.15E 430–14 3.3,3.2
NEIC I 05 23 05 44.1–.49 48.03N 147.20E 430–8 3.8b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=8.8km az=141.2.
IDC Error ellipse: s-maj=19.8km s-min=9.4km az=162.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.8km az=152.0.
ISC I 16 20 52 00.7–.80 52.5N–.10 153.5E–.10 471–14 3.2b 53 3-78
MOS I 16 20 51 58.4–.56 51.87N 153.93E 513 3.5b ¶12081479
KRSC I 16 20 51 58.3–1.8 51.98N 154.34E 525–65 4.6L
IDC I 16 20 52 01.1–1.5 52.35N 152.94E 451–19 3.0,2.9b
ISC Event type ke.
MOS Error ellipse: s-maj=28.3km s-min=26.2km az=139.0.
KRSC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=15.7km az=4.0.
ISC I 21 03 46 11.1–.77 52.5N–.10 152.6E–.10 487–10 3.5b 62 3-78
KRSC I 21 03 46 04.4–1.6 51.59N 153.26E 566–55 4.7L ¶12081935
MOS I 21 03 46 08.9–1.0 52.40N 152.35E 473 4.2b
ISCJB I 21 03 46 10.2–.47 52.41N–.09 152.5E–.10 489–7 3.4b
IDC I 21 03 46 11.0–.86 52.34N 152.50E 488–11 3.2,3.1
ISC Event type ke.
KRSC Event type se.
MOS Error ellipse: s-maj=19.0km s-min=13.5km az=84.3.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=11.5km az=137.2.
IDC Error ellipse: s-maj=15.4km s-min=12.7km az=126.0.
IDC II 05 12 55 59.7–1.5 51.66N 152.69E 395–17 3.0,2.9
¶15955071
IDC Error ellipse: s-maj=16.9km s-min=14.8km az=148.0.
ISC II 13 10 40 59.9–.53 47.92N–.07 146.97E–.10 442 3.7b 49 4-80
ISCJB II 13 10 40 58.9–.37 47.99N–.04 146.9E–.10 442 3.6b ¶13434582
IDC II 13 10 41 01.2–1.1 48.11N 146.90E 450–14 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.8km az=21.5.
IDC Error ellipse: s-maj=14.9km s-min=10.3km az=165.0.
ISC II 16 21 39 10.8–.69 51.13N–.08 155.92E–.07 175–6 3.7b 59 0-77
ISCJB II 16 21 39 10.0–.41 51.18N–.07 155.80E–.09 179–4 3.6b ¶12700948
MOS II 16 21 39 10.1–1.4 51.31N 155.62E 179 4.0b
KRSC II 16 21 39 10.7–.40 51.11N 156.44E 200–50 4.3L
IDC II 16 21 39 12.5–1.4 51.33N 155.57E 185–14 3.6,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=6.3km az=144.3.
MOS Error ellipse: s-maj=20.3km s-min=9.7km az=58.8.
KRSC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=10.0km az=145.0.
ISC II 23 15 58 03.8–.71 46.7N–.10 146.3E–.10 361 3.5b 24 3-68
ISCJB II 23 15 58 04.3–.56 46.69N–.07 146.6E–.10 361 3.4b ¶12701648
IDC II 23 15 58 05.9–1.5 47.11N 146.15E 364–23 3.2,3.1b
JMA II 23 15 58 06.8–.50 46.38N 146.45E 386 3.4,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=6.5km az=33.1.
IDC Error ellipse: s-maj=39.7km s-min=17.5km az=153.0.
JMA Error ellipse: s-maj=6.7km s-min=6.1km az=-1.0.
IDC II 25 21 19 40.1–4.3 47.80N 146.27E 421–53 2.9,2.7
¶15957274
IDC Error ellipse: s-maj=30.4km s-min=16.8km az=141.0.
ISC II 27 20 30 14.4–.53 49.10N–.08 151.58E–.06 277 3.6b 103 3-80
ISCJB II 27 20 30 14.0–.25 49.22N–.05 151.37E–.07 277 3.5b ¶12702040
MOS II 27 20 30 15.2–.90 49.02N 152.26E 340 3.6b
KRSC II 27 20 30 15.0–2.9 48.67N 152.99E 362–71 4.7L
IDC II 27 20 30 17.3–1.7 49.31N 151.43E 297–17 3.4,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=2.8km az=138.1.
MOS Error ellipse: s-maj=15.2km s-min=8.3km az=71.9.
KRSC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=10.9km az=143.0.
ISC III 02 08 42 11.7–.72 51.2N–.10 152.04E–.08 400 2.9b 42 4-76
KRSC III 02 08 42 06.7–2.5 50.11N 153.77E 519–20 4.6L ¶12702246
ISCJB III 02 08 42 11.3–.55 51.25N–.10 151.8E–.10 400 2.9b
MOS III 02 08 42 11.2–1.1 51.38N 152.00E 419 4.5b
IDC III 02 08 42 13.1–1.6 51.33N 151.87E 419–19 2.9,2.8
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=6.3km az=146.3.
MOS Error ellipse: s-maj=31.3km s-min=14.6km az=50.0.
IDC Error ellipse: s-maj=21.2km s-min=14.6km az=144.0.
KRSC III 04 01 35 20.8–1.1 51.46N 154.70E 596–11 4.2L
¶14523465
KRSC Event type se.
ISC III 08 07 15 07.1–.56 47.60N–.07 146.83E–.08 403 3.7b 43 3-81
ISCJB III 08 07 15 06.0–.43 47.69N–.04 147.0E–.10 403 3.6b ¶12702696
MOS III 08 07 15 09.4–1.3 47.63N 146.82E 444 4.0b
IDC III 08 07 15 09.5–1.4 47.62N 147.00E 432–18 3.2,3.1b
BJI III 08 07 15 09.3 48.10N 146.94E 438 4.8b,4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.5km az=16.5.
MOS Error ellipse: s-maj=18.0km s-min=10.1km az=73.0.
IDC Error ellipse: s-maj=16.0km s-min=10.9km az=146.0.
ISC III 14 08 38 46.3–.75 52.1N–.10 153.04E–.08 426 3.2b 44 3-77
MOS III 14 08 38 42.6–.96 51.31N 153.79E 493 3.8b ¶12703236
KRSC III 14 08 38 44.5–2.7 51.78N 154.12E 504–54 4.4L
ISCJB III 14 08 38 45.9–.51 52.2N–.10 152.77E–.09 426 3.2b
IDC III 14 08 38 47.5–1.6 52.25N 152.94E 436–18 3.1,2.9b
ISC Event type se.
MOS Error ellipse: s-maj=29.6km s-min=17.6km az=57.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=7.0km az=171.7.
IDC Error ellipse: s-maj=17.7km s-min=15.1km az=148.0.
ISC III 26 08 18 47.5–.52 46.51N–.07 146.12E–.08 352 3.6b 51 3-82
ISCJB III 26 08 18 46.8–.36 46.63N–.04 146.17E–.10 352 3.6b ¶12635625
MOS III 26 08 18 48.1–.88 46.80N 145.98E 367 4.0b
IDC III 26 08 18 49.2–1.2 46.78N 146.08E 359–13 3.5,3.4
JMA III 26 08 18 49.3–.50 46.23N 146.33E 371 3.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.9km az=24.8.
MOS Error ellipse: s-maj=18.9km s-min=12.2km az=75.9.
IDC Error ellipse: s-maj=17.0km s-min=10.9km az=153.0.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
ISC III 28 08 16 29.6–1.1 53.0N–.10 153.8E–.10 487 2.9b 31 2-74
KRSC III 28 08 16 23.6–3.1 52.67N 153.62E 543–82 4.4L ¶12635758
MOS III 28 08 16 28.4–.73 52.88N 153.74E 497 3.8b
ISCJB III 28 08 16 29.7–.73 53.2N–.10 153.7E–.10 487 3.0b
IDC III 28 08 16 29.3–1.4 52.80N 153.73E 504–20 2.8,2.6b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=55.6km s-min=23.3km az=48.9.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=10.9km az=171.0.
IDC Error ellipse: s-maj=44.9km s-min=16.9km az=143.0.
IDC III 29 18 03 11.3–4.8 46.77N 148.85E 419–34 2.7,2.6b
¶12635879
IDC Error ellipse: s-maj=301.9km s-min=35.9km az=139.0.
ISC IV 05 18 55 32.2–.62 52.02N–.09 153.11E–.09 426 3.4b 60 2-77

KRSC IV 05 18 55 28.6–2.7 51.67N 153.52E 481–40 4.6L ¶12934547
MOS IV 05 18 55 31.0–.64 52.11N 152.81E 429 4.5b
ISCJB IV 05 18 55 31.4–.40 52.03N–.07 152.83E–.09 426 3.3b
IDC IV 05 18 55 32.3–.87 52.10N 152.77E 426–10 3.3,3.1b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=26.3km s-min=11.0km az=57.1.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.3km az=145.1.
IDC Error ellipse: s-maj=22.6km s-min=10.0km az=140.0.
ISC IV 06 14 23 26.2–.54 46.63N–.05 146.19E–.05 365–5 4.1b 120 2-153
NIED IV 06 14 23 00 46.30N 146.40E 420 4.3W ¶12934637
ISCJB IV 06 14 23 25.5–.27 46.69N–.04 146.22E–.06 368–3 4.0b
MOS IV 06 14 23 25.5–.89 46.81N 146.21E 368 4.2b
JMA IV 06 14 23 26.2–.30 46.34N 146.44E 389 4.0
BJI IV 06 14 23 26.0 47.06N 146.10E 353 4.7b,4.6b
IDC IV 06 14 23 27.4–1.1 46.85N 146.11E 365–11 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s183.00000°,δ75.00000°,λ130.00000°. NP2:ϕ_s290.00000°,δ42.00000°,λ22.00000°. $M_0$3.72000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.8km az=39.6.
MOS Error ellipse: s-maj=11.5km s-min=7.0km az=86.7.
JMA Error ellipse: s-maj=4.4km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=11.0km s-min=8.1km az=144.0.
IDC IV 12 15 30 27.9–2.0 49.16N 151.66E 278–20 3.1,2.9
¶16152717
IDC Error ellipse: s-maj=26.9km s-min=12.3km az=133.0.
IDC IV 14 04 00 42.5–4.5 46.26N 146.41E 0 3.8,3.5b
¶16152783
IDC Error ellipse: s-maj=112.4km s-min=52.6km az=8.0.
IDC V 04 16 34 35.7–2.0 49.41N 148.80E 490–35 2.5,2.4
¶16154900
IDC Error ellipse: s-maj=32.8km s-min=25.9km az=32.0.
KRSC V 09 12 09 00.1–2.1 51.14N 154.27E 441–71 3.9L
¶14785004
KRSC Event type se.
ISC V 12 19 53 51.7–2.7 47.6N–.20 148.6E–.30 391 2.9b 21 5-52
IDC V 12 19 53 49.2–2.4 48.38N 148.40E 397–45 2.9,2.7 ¶16155685
ISC Event type ke.
IDC Error ellipse: s-maj=134.4km s-min=17.3km az=143.0.
ISC V 21 13 52 44.6–.32 52.51N–.04 153.26E–.03 462–3 4.6b 853 2-160
SZGRF V 21 13 51 52.1 52.06N 157.77E 33 5.1b ¶13193069
DJA V 21 13 52 22.0–5.5 53N–12 154E–21 269–49 5.3b,4.9
KRSC V 21 13 52 39.5–2.0 52.07N 153.88E 521–41 5.1L,4.9
BJI V 21 13 52 39.5 52.61N 153.85E 457 4.8b,4.6b
ISCJB V 21 13 52 43.7–.15 52.56N–.03 153.18E–.03 461–1 4.5b,4.6b
NEIC V 21 13 52 43.9–.29 52.57N 153.04E 452–3 4.6b,4.6b
MOS V 21 13 52 44.4–.82 52.54N 153.18E 472 4.7b,4.6b
TEH V 21 13 52 45.0 52.54N 153.06E 458 4.5L,4.6b
IDC V 21 13 52 45.1–.54 52.59N 153.12E 464–5 4.2,4.2
ISC Event type se.
SZGRF Kamchatka Peninsula, Russia.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.5km az=153.2.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=164.0.
MOS Error ellipse: s-maj=7.1km s-min=4.3km az=97.2.
IDC Error ellipse: s-maj=8.0km s-min=5.2km az=146.0.
ISC V 27 17 16 49.9–.54 48.94N–.09 150.85E–.08 308 3.5b 38 4-78
ISCJB V 27 17 16 48.9–.38 49.01N–.07 150.8E–.10 308 3.5b ¶13679755
MOS V 27 17 16 50.3–1.4 48.91N 150.84E 333 3.9b
IDC V 27 17 16 51.1–1.7 48.93N 150.83E 324–18 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=4.8km az=44.4.
MOS Error ellipse: s-maj=16.8km s-min=8.5km az=60.5.
IDC Error ellipse: s-maj=16.7km s-min=9.8km az=146.0.
ISC V 31 00 26 10.9–.58 51.51N–.07 154.13E–.08 322–7 3.4b 99 2-77
KRSC V 31 00 26 07.3–1.3 51.07N 154.57E 359–38 4.1L ¶13193364
MOS V 31 00 26 09.4–1.4 51.75N 153.72E 303 4.3b
ISCJB V 31 00 26 10.3–.32 51.51N–.06 154.0E–.10 327–5 3.3b
IDC V 31 00 26 12.4–.83 51.68N 153.96E 328–8 3.3,3.2
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=15.1km s-min=8.2km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=5.6km az=39.6.
IDC Error ellipse: s-maj=15.0km s-min=11.2km az=142.0.
IDC V 31 17 04 57.1–1.7 49.71N 149.59E 0 3.4,3.4
¶16066126
IDC Error ellipse: s-maj=45.7km s-min=37.5km az=153.0.
ISC VI 06 02 23 49.6–1.0 46.1N–.10 146.6E–.10 339 3.2b 22 3-69
IDC VI 06 02 23 49.7–2.7 47.13N 146.38E 301–58 3.2,3.0 ¶13680648
ISCJB VI 06 02 23 50.1–.88 46.17N–.08 146.6E–.20 339 3.1b,3.0
JMA VI 06 02 23 50.9–.60 46.10N 146.76E 339 3.1,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=94.0km s-min=22.0km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=9.0km az=29.1.
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
ISC VI 13 06 33 15.0–2.5 52.9N–.20 153.8E–.20 470 2.9b 17 2-46
IDC VI 13 06 32 01.1–19 48.18N 154.42E 0 3.5,3.3 ¶14775918
KRSC VI 13 06 33 04.3–1.9 52.45N 153.45E 563–33 4.5L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=568.1km s-min=33.7km az=167.0.
KRSC Event type se.
ISC VI 27 08 27 41.3–.49 50.53N–.08 150.14E–.07 500 3.9b 58 4-77
ISCJB VI 27 08 27 40.6–.33 50.58N–.05 150.12E–.09 500 3.8b ¶13306975
MOS VI 27 08 27 40.1–1.1 50.57N 150.14E 497 3.8b
IDC VI 27 08 27 41.7–1.2 50.59N 150.01E 499–14 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.9km az=35.6.
MOS Error ellipse: s-maj=12.5km s-min=8.4km az=89.3.
IDC Error ellipse: s-maj=11.9km s-min=8.5km az=158.0.

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IDC I 01 02 52 38.8–4.2 46.97N 152.92E 0 3.9,3.8b
¶12079726
IDC Error ellipse: s-maj=101.3km s-min=26.7km az=157.0.
ISC I 01 14 02 22.3–.77 44.43N–.05 148.37E–.06 56–6 4.2b 192 1-153
NIED I 01 14 02 00 44.10N 148.10E 41 4.2W ¶13404539
BJI I 01 14 02 13.7 44.20N 149.38E 50 4.9b,4.7b
MOS I 01 14 02 21.5–1.0 44.55N 148.31E 62 4.3b,4.7b
JMA I 01 14 02 21.3–.30 44.05N 148.15E 0 4.9,4.7b
ISCJB I 01 14 02 21.0–.67 44.44N–.04 148.36E–.06 61–5 4.2b,4.7b
NEIC I 01 14 02 22.8–.74 44.58N 148.22E 59–7 4.2b,4.7b
SKHL I 01 14 02 22.4–1.2 44.48N 148.32E 80–7 6.0s,5.1b
IDC I 01 14 02 24.8–2.4 44.62N 148.20E 76–21 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s1.00000°,δ75.00000°,λ73.00000°. NP2: ϕ_s229.00000°,δ22.00000°,λ136.00000°. $M_0$2.16000×10^{15}
MOS Error ellipse: s-maj=10.7km s-min=8.9km az=70.8.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.8km az=40.5.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.4km az=134.0.
IDC Error ellipse: s-maj=16.6km s-min=11.8km az=141.0.
JMA I 01 16 23 59.9–.60 44.68N 148.10E 136 3.9
¶15527239
JMA Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0.
ISC I 01 20 50 35.6–.65 48.0N–.10 153.5E–.10 117 3.9b 80 6-155
MOS I 01 20 50 24.2–1.8 47.92N 153.99E 33 4.2b ¶12079779
NEIC I 01 20 50 31.9–1.2 47.87N 153.72E 86–11 4.8b
IDC I 01 20 50 32.8–2.5 47.85N 153.55E 93–23 3.6,3.5b
ISCJB I 01 20 50 33.8–.63 47.9N–.10 153.6E–.10 117 4.0b,3.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
JMA I 03 07 33 21.7–.40 44.08N 148.03E 0 3.8
¶15527771
JMA Error ellipse: s-maj=4.4km s-min=3.2km az=-1.0.
ISC I 03 14 17 16.2–.84 47.4N–.10 152.6E–.10 128 3.5b 30 7-85
ISCJB I 03 14 17 14.5–.65 47.4N–.10 152.6E–.10 128 3.5b ¶13404570
IDC I 03 14 17 15.7–2.5 47.35N 152.56E 124–22 3.5,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.7km s-min=8.7km az=148.0.
IDC Error ellipse: s-maj=19.3km s-min=13.9km az=145.0.
JMA I 03 16 00 48.6–.20 43.57N 147.54E 33 3.7
¶15527923
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
IDC I 03 23 29 31.2–2.9 46.87N 153.24E 0 4.0,3.8b
¶12079999
IDC Error ellipse: s-maj=72.9km s-min=42.4km az=18.0.
ISC I 04 09 59 56.7–.78 48.7N–.10 154.7E–.10 51 3.5b 23 4-76
ISCJB I 04 09 59 55.3–.63 48.64N–.09 154.8E–.20 51 3.6b ¶12080171
KRSC I 04 09 59 56.7–2.3 48.45N 156.68E 2–2 4.1L
IDC I 04 09 59 57.1–3.6 48.56N 154.71E 53–34 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=5.5km az=40.4.
KRSC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=15.2km az=145.0.
JMA I 04 16 09 12.3–.30 44.00N 148.11E 0 4.0
¶15528321
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISC I 05 05 21 13.4–.55 46.91N–.08 153.00E–.07 10 4.0b,3.5s 66 4-148
NIED I 05 05 21 00 47.20N 153.00E 17 4.0W,3.5s ¶13404612
ISCJB I 05 05 21 09.6–.54 46.86N–.09 153.21E–.09 10 4.1b,3.5s
IDC I 05 05 21 14.7–.69 46.90N 152.90E 31–5 4.0,4.0
MOS I 05 05 21 30.3–1.8 46.71N 152.50E 188 3.9b,4.0
BJI I 05 05 21 40.5 46.90N 151.90E 281 4.5b,4.3b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ55.00000°,λ74.00000°. NP2:ϕ_s198.00000°,δ38.00000°,λ112.00000°. $M_0$1.19000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=8.2km az=157.6.
IDC Error ellipse: s-maj=18.0km s-min=14.4km az=143.0.
MOS Error ellipse: s-maj=17.3km s-min=10.0km az=88.5.
JMA I 05 19 42 24.3–.40 43.90N 147.77E 0 3.6
¶15528755
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
IDC I 06 16 50 38.0–5.2 49.29N 154.52E 133–39 3.3,3.1
¶12080528
IDC Error ellipse: s-maj=62.9km s-min=18.2km az=165.0.
JMA I 06 21 38 28.1–.30 43.72N 147.77E 20 3.8
¶15529131
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC I 07 10 18 53.9–.64 48.91N–.07 154.94E–.07 48–5 3.8b 88 2-147
IDC I 07 10 18 53.4–.72 48.85N 154.90E 44–6 3.8L,3.8 ¶12080629
NEIC I 07 10 18 53.5–.52 48.78N 155.07E 45 4.2b,3.8
ISCJB I 07 10 18 55.2–.95 49.00N–.07 154.9E–.10 76–8 3.7b,3.8
MOS I 07 10 18 55.3–1.4 49.00N 154.89E 77 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=12.6km az=145.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.7km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=6.3km az=43.2.
MOS Error ellipse: s-maj=16.8km s-min=9.1km az=62.4.
ISC I 07 17 03 52.4–4.0 43.42N–.08 147.96E–.07 30–29 3.9b 68 2-82
NIED I 07 17 03 00 43.30N 147.70E 17 3.9W ¶12080659
JMA I 07 17 03 51.4–.30 43.28N 147.72E 7 4.1
MOS I 07 17 03 53.6–1.3 43.61N 147.95E 49 4.2b
NEIC I 07 17 03 55.2–1.2 43.82N 147.86E 37–11 4.1b,3.9W
IDC I 07 17 03 55.9–2.4 43.72N 147.84E 46–23 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s152.00000°,δ80.00000°,λ-169.00000°. NP2:ϕ_s60.00000°,δ79.00000°,λ-10.00000°. $M_0$8.85000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=15.0km s-min=11.6km az=71.2.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=10.1km az=146.0. Moment Tensor Solution. $M_0$8.90000×10^{14}
IDC Error ellipse: s-maj=31.6km s-min=16.2km az=165.0.
IDC I 10 05 00 27.0–2.1 47.81N 154.64E 0 3.8,3.7L
¶12080914
IDC Error ellipse: s-maj=62.2km s-min=29.6km az=160.0.
ISC I 10 05 28 11.9–.90 43.6N–.10 147.59E–.07 61–6 3.7b 46 1-82
ISCJB I 10 05 28 10.9–1.1 43.58N–.08 147.55E–.10 67–8 3.7b ¶13404787
JMA I 10 05 28 11.5–.20 43.43N 147.45E 27 4.3
IDC I 10 05 28 13.0–2.1 43.74N 147.62E 63–7 3.8,3.6
MOS I 10 05 28 14.7–1.3 43.98N 147.41E 85 4.0b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=7.2km az=142.2.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=59.8km s-min=16.9km az=179.0.
MOS Error ellipse: s-maj=20.7km s-min=18.7km az=99.2.
KRSC I 12 18 03 59.3–1.0 50.08N 157.27E 5–5 3.8L
¶14345008
KRSC Event type se.
ISC I 14 01 36 16.7–.48 47.46N–.06 153.18E–.05 63–3 4.4b 526 4-115
NIED I 14 01 36 00 47.50N 153.40E 8 4.4W ¶13404843
SZGRF I 14 01 36 09.9 47.82N 153.14E 33 4.5b
BJI I 14 01 36 13.5 47.72N 153.67E 59 4.9b,4.6b
IDC I 14 01 36 15.9–.68 47.40N 153.09E 58–5 4.2,4.1
ISCJB I 14 01 36 16.6–.56 47.58N–.04 153.07E–.03 69–5 4.3b,4.1
SKHL I 14 01 36 16.1–1.5 47.33N 153.48E 94–6 6.0s,5.3s
MOS I 14 01 36 16.7–1.0 47.59N 153.09E 72 4.6b,5.3s
NEIC I 14 01 36 17.4–.25 47.74N 152.99E 58 4.5b,5.3s
ISC Event type se.
NIED Moment Tensor Solution. Double couple: NP1:ϕ_s118.00000°,δ82.00000°,λ-68.00000°. NP2:ϕ_s226.00000°,δ23.00000°,λ-160.00000°. $M_0$4.94000×10^{15}
SZGRF Kuril Islands, Russia.
IDC Error ellipse: s-maj=17.5km s-min=10.7km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=3.1km az=164.0.
MOS Error ellipse: s-maj=9.3km s-min=6.4km az=83.6.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.4km az=160.0.
ISC I 14 02 27 55.0–.85 46.3N–.20 150.4E–.10 167 3.5b 24 4-79
ISCJB I 14 02 27 53.7–.65 46.3N–.10 150.4E–.20 167 3.5b ¶12081242
JMA I 14 02 27 56.9–.50 45.77N 150.68E 146 3.5
IDC I 14 02 27 57.8–2.8 46.83N 150.12E 177–29 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.6km s-min=6.0km az=141.1.
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=37.6km s-min=14.1km az=161.0.
IDC I 15 13 23 30.0–2.1 47.23N 153.93E 0 4.1,3.9b
¶13404881
IDC Error ellipse: s-maj=55.9km s-min=19.0km az=174.0.
ISC I 16 04 24 12.0–.72 47.32N–.07 154.81E–.06 31–3 4.7b,3.8s 168 3-153
IDC I 16 04 24 03.4–.62 46.83N 155.37E 0 4.4,4.3 ¶13989142
MOS I 16 04 24 09.9–2.0 47.03N 155.08E 54 4.7b,4.3
NEIC I 16 04 24 09.0–.59 46.96N 155.40E 35 4.8b,4.3
ISCJB I 16 04 24 11.9–.77 47.59N–.09 154.7E–.10 32 4.5b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC I 16 06 46 34.9–1.1 44.08N–.07 149.14E–.06 67–9 4.4b 133 2-151
NIED I 16 06 46 00 44.70N 149.20E 5 4.2W ¶13405749
IDC I 16 06 46 27.6–1.0 44.44N 149.02E 0 4.4,4.3
JMA I 16 06 46 31.5–.80 44.69N 149.16E 30 4.6,4.3
MOS I 16 06 46 32.2–1.2 44.19N 149.14E 54 4.6b,4.3
ISCJB I 16 06 46 33.5–.76 44.00N–.07 149.16E–.06 75–8 4.2b,4.3
NEIC I 16 06 46 34.2–.79 44.47N 149.05E 45–7 4.5b,4.3

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s314.00000°,δ89.00000°,λ55.00000°. NP2:ϕ_s223.00000°,δ35.00000°,λ179.00000°. $M_0$2.18000×10^{15}
IDC Error ellipse: s-maj=31.9km s-min=14.9km az=169.0.
JMA Error ellipse: s-maj=7.8km s-min=6.3km az=-1.0.
MOS Error ellipse: s-maj=12.1km s-min=9.5km az=64.7.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.4km az=156.1.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=5.8km az=153.0.

ISC	**I**	**16 11 16 03.1–.72**	**45.1N–.10**	**150.95E–.08**	**42**	**3.7b**	**49**	**4-80**
NIED	I	16 11 16 00	45.40N	151.00E	32	4.0W		¶13405752
JMA	I	16 11 16 00.9–.50	45.37N	151.00E	30	4.4		
ISCJB	I	16 11 16 01.4–.61	45.02N–.09	150.90E–.08	42	3.7b		
IDC	I	16 11 16 04.3–.72	45.28N	150.89E	50–7	3.8,3.6b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ77.00000°,λ-148.00000°. NP2:ϕ_s136.00000°,δ59.00000°,λ-15.00000°. $M_0$1.25000×10^{15}
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=5.0km az=151.5.
IDC Error ellipse: s-maj=21.9km s-min=16.1km az=125.0.

ISC	**I**	**16 12 07 33.2–.52**	**43.76N–.05**	**147.71E–.05**	**42–4**	**4.6b**	**248**	**1-152**
NIED	I	16 12 07 00	43.60N	147.70E	35	4.3W		¶15531946
BJI	I	16 12 07 25.4	43.63N	148.59E	40	5.0b,4.7b		
JMA	I	16 12 07 29.0–.30	43.59N	147.65E	0	4.5,4.7b		
ISCJB	I	16 12 07 32.2–.73	43.76N–.04	147.72E–.06	48–5	4.5b,4.7b		
MOS	I	16 12 07 32.7–.94	43.87N	147.70E	51	4.9b,4.7b		
IDC	I	16 12 07 33.2–.58	43.83N	147.66E	40–4	4.1,4.0		
SKHL	I	16 12 07 33.8–.80	43.65N	147.62E	35–5	4.9b,4.0		
NEIC	I	16 12 07 34.5–.69	43.81N	147.70E	51–6	4.7b,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ73.00000°,λ91.00000°. NP2:ϕ_s220.00000°,δ18.00000°,λ86.00000°. $M_0$2.93000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.6km az=139.2.
MOS Error ellipse: s-maj=9.6km s-min=7.1km az=117.3.
IDC Error ellipse: s-maj=16.2km s-min=12.1km az=151.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=146.0.

ISC	**I**	**18 00 02 08.9–1.1**	**49.2N–.10**	**156.9E–.20**	**39**		**31**	**2-72**
MOS	I	18 00 02 03.2–.83	48.95N	157.45E	9	4.2b		¶12081585
KRSC	I	18 00 02 08.0–1.8	49.32N	157.50E	5–5	4.0L		
IDC	I	18 00 02 13.5–6.9	49.62N	156.01E	89–79	3.4L,3.4		

ISC Event type ke.
MOS Error ellipse: s-maj=49.4km s-min=10.6km az=83.4.
KRSC Event type se.
IDC Error ellipse: s-maj=172.6km s-min=23.7km az=130.0.

ISC	**I**	**18 01 29 18.8–.69**	**47.99N–.09**	**154.9E–.10**	**33**	**3.8b**	**61**	**3-78**
IDC	I	18 01 29 13.5–.86	47.95N	155.02E	0	3.9,3.7		¶12081591
NEIC	I	18 01 29 14.9–4.3	47.95N	154.95E	9–26	4.2b,3.7		
ISCJB	I	18 01 29 16.8–.72	48.04N–.08	155.0E–.20	33	3.7b,3.7		
MOS	I	18 01 29 18.1–1.6	48.03N	155.04E	49	4.2b,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=25.5km s-min=18.3km az=121.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.8km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=17.7km s-min=6.3km az=37.7.
MOS Error ellipse: s-maj=15.1km s-min=9.6km az=70.6.

JMA	**I**	**19 08 06 45.4–.60**	**44.29N**	**148.40E**	**0**	**4.0**	
							¶15533015

JMA Error ellipse: s-maj=4.4km s-min=4.8km az=-1.0.

KRSC	**I**	**19 12 58 20.2–.90**	**50.82N**	**157.73E**	**91–90**	**3.8L**	
							¶14345020

KRSC Event type se.

IDC	**I**	**19 20 03 15.7–1.8**	**48.94N**	**153.63E**	**0**	**3.9,3.8b**	
							¶12081795

IDC Error ellipse: s-maj=38.9km s-min=28.2km az=98.0.

ISC	**I**	**19 22 11 18.8–.58**	**46.85N–.08**	**152.98E–.06**	**54–5**	**4.4b**	**208**	**4-80**
NIED	I	19 22 11 00	47.00N	153.10E	32	4.2W		¶13405854
JMA	I	19 22 11 16.6–.60	47.01N	153.12E	30	4.7		
SKHL	I	19 22 11 16.6–.70	46.83N	153.45E	59–17	5.0b		
ISCJB	I	19 22 11 17.5–.76	46.93N–.06	152.93E–.08	52–6	4.5s,4.5b		
MOS	I	19 22 11 17.2–1.0	47.01N	152.95E	49	4.6b,4.5b		
IDC	I	19 22 11 19.0–.67	46.96N	152.82E	50–6	4.0,4.0		
NEIC	I	19 22 11 20.6–.92	46.97N	152.91E	64–8	4.7b,4.0		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s304.00000°,δ88.00000°,λ15.00000°. NP2:ϕ_s213.00000°,δ75.00000°,λ178.00000°. $M_0$1.89000×10^{15}
JMA Error ellipse: s-maj=7.8km s-min=7.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=4.8km az=136.0.
MOS Error ellipse: s-maj=9.9km s-min=7.1km az=72.8.
IDC Error ellipse: s-maj=16.8km s-min=10.8km az=147.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=5.6km az=141.0.

IDC	**I**	**20 17 20 31.0–14**	**47.91N**	**154.99E**	**0**	**3.4b,3.4**		
								¶12081883

IDC Error ellipse: s-maj=289.2km s-min=47.3km az=141.0.

ISC	**I**	**20 19 55 04.5–.97**	**46.8N–.20**	**150.3E–.10**	**162**	**3.4b**	**23**	**6-79**
ISCJB	I	20 19 55 03.2–.87	46.8N–.20	150.2E–.20	162	3.5b		¶11677640
IDC	I	20 19 55 06.2–2.2	46.68N	150.17E	189–20	3.4,3.3b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=10.2km az=151.3.
IDC Error ellipse: s-maj=17.0km s-min=12.3km az=146.0.

ISC	**I**	**21 11 10 53.8–.81**	**46.0N–.10**	**152.75E–.10**	**31**	**3.7b**	**35**	**4-72**
JMA	I	21 11 10 55.1–.80	46.09N	152.82E	30	4.2		¶12081964
MOS	I	21 11 10 56.2–1.3	46.49N	152.58E	50	4.3b		
IDC	I	21 11 10 59.2–4.1	46.36N	152.63E	63–29	3.6L,3.5		

ISC Event type ke.
JMA Error ellipse: s-maj=10.0km s-min=8.5km az=-1.0.
MOS Error ellipse: s-maj=23.0km s-min=12.7km az=60.6.
IDC Error ellipse: s-maj=78.4km s-min=20.2km az=160.0.

JMA	**I**	**22 08 39 50.8–.20**	**43.70N**	**147.65E**	**0**	**3.7**	
							¶15534048

JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

JMA	**I**	**22 16 00 53.9–.10**	**43.32N**	**146.13E**	**51–1**	**3.5**	
							¶15534145

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

ISC	**I**	**22 19 09 01.2–.48**	**44.56N–.05**	**148.37E–.05**	**56–4**	**4.4b,3.5s**	**422**	**1-151**
MOS	I	22 19 08 58.7–1.1	44.59N	148.42E	49	4.5b,3.5s		¶13433935
JMA	I	22 19 09 00.5–.40	44.17N	148.22E	0	4.9,3.5s		
SKHL	I	22 19 09 00.3–2.3	44.53N	148.58E	63–1	4.8b,3.5s		
NIED	I	22 19 09 00	44.20N	148.20E	47	4.3W,3.5s		
IDC	I	22 19 09 01.2–.56	44.65N	148.27E	55–4	4.0,4.0		
NEIC	I	22 19 09 01.2–.25	44.63N	148.35E	54	4.8b,4.0		
BJI	I	22 19 09 01.3	44.36N	148.56E	89	4.9b,4.6b		
ISCJB	I	22 19 09 01.7–.43	44.63N–.04	148.23E–.04	72–4	4.3b,4.6b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ65.00000°,λ68.00000°. NP2:ϕ_s215.00000°,δ32.00000°,λ129.00000°. $M_0$3.26000×10^{15}
NEIC Event type se.
ISCJB Event type se.

ISC	**I**	**24 00 29 07.5–.95**	**45.6N–.20**	**150.3E–.10**	**61**	**3.6b**	**19**	**4-82**
IDC	I	24 00 28 58.9–1.2	45.51N	150.05E	0	4.0,3.8b		¶12082169
ISCJB	I	24 00 29 06.2–.89	45.7N–.20	150.4E–.20	61	3.7b,3.8b		
JMA	I	24 00 29 12.2–.60	45.64N	149.89E	30	4.4,3.8b		

ISC Event type ke.
IDC Error ellipse: s-maj=32.2km s-min=26.4km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=28.1km s-min=7.7km az=141.3.
JMA Error ellipse: s-maj=5.6km s-min=7.0km az=-1.0.

ISC	**I**	**24 12 29 35.8–2.1**	**44.0N–.10**	**147.8E–.20**	**117–16**	**3.3b**	**24**	**2-65**
ISCJB	I	24 12 29 35.5–1.2	44.0N–.10	147.7E–.20	133–9	3.3b		¶12082215
JMA	I	24 12 29 36.7–.30	44.08N	147.80E	88	3.5		
IDC	I	24 12 29 38.6–3.8	45.08N	147.46E	94–98	3.2,3.1b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.9km s-min=12.2km az=146.2.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=250.6km s-min=25.7km az=169.0.

ISC	**I**	**24 12 44 22.0–.58**	**44.58N–.05**	**147.85E–.05**	**90–5**	**3.5b**	**148**	**1-82**
NIED	I	24 12 44 00	44.50N	148.10E	74	4.0W		¶12082218
JMA	I	24 12 44 20.5–.30	44.49N	148.13E	61	4.8		
SKHL	I	24 12 44 20.9–.50	44.50N	148.19E	72–6	5.2b		
MOS	I	24 12 44 21.2–1.4	44.66N	147.75E	99	4.5b		
BJI	I	24 12 44 21.3	44.60N	147.90E	80	5.1b,4.6b		
ISCJB	I	24 12 44 21.5–.47	44.67N–.04	147.80E–.06	99–3	3.6b,4.6b		
IDC	I	24 12 44 22.2–.74	44.73N	147.65E	85–6	3.7,3.6		
NEIC	I	24 12 44 22.1–.46	44.67N	147.73E	83	4.0b,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ83.00000°,λ-26.00000°. NP2:ϕ_s86.00000°,δ64.00000°,λ-172.00000°. $M_0$1.11000×10^{15}
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
MOS Error ellipse: s-maj=11.0km s-min=8.5km az=56.2.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=4.8km az=135.3.
IDC Error ellipse: s-maj=18.1km s-min=12.7km az=144.0.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=6.3km az=141.0. Recorded [1 JMA] in eastern Hokkaido.

ISC	**I**	**25 21 47 37.4–3.5**	**46.9N–.30**	**150.1E–.50**	**167**	**3.5b**	**8**	**5-79**
JMA	I	25 21 47 41.7–.50	45.70N	150.83E	180	3.5		¶12082328
IDC	I	25 21 47 42.1–3.0	46.80N	150.30E	211–29	3.4,3.2		

ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=24.9km s-min=15.0km az=110.0.

ISC	**I**	**26 22 00 31.3–1.2**	**49.17N–.10**	**155.02E–.10**	**70–10**	**4.2b**	**118**	**2-90**
IDC	I	26 22 00 22.3–.67	49.16N	154.94E	0	4.2,4.2		¶12082418
SKHL	I	26 22 00 28.5–3.3	48.93N	155.59E	90–5	4.7b,4.2		
ISCJB	I	26 22 00 29.7–.96	49.15N–.07	155.0E–.10	70–7	4.0b,4.2		
MOS	I	26 22 00 30.2–1.1	49.20N	155.00E	79	4.3b,4.2		
NEIC	I	26 22 00 32.5–.84	49.19N	154.98E	83–7	4.3b,4.2		

ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=11.9km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=6.9km az=41.5.
MOS Error ellipse: s-maj=15.9km s-min=8.9km az=74.9.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.4km az=140.0.

IDC	**I**	**27 09 14 03.3–3.6**	**47.20N**	**152.91E**	**101–33**	**3.4,3.2**		
								¶12082462

IDC Error ellipse: s-maj=37.8km s-min=17.5km az=136.0.

JMA	**I**	**29 11 34 43.8–.60**	**45.42N**	**150.12E**	**30**	**4.1**	
							¶15536500

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

ISC	**I**	**29 16 30 11.6–.75**	**48.2N–.10**	**153.4E–.10**	**132**	**3.6b**	**30**	**3-77**
ISCJB	I	29 16 30 09.7–.71	48.2N–.10	153.4E–.20	132	3.4b		¶12082677
MOS	I	29 16 30 11.6–.97	48.22N	153.31E	152	4.0b		
IDC	I	29 16 30 12.3–2.5	48.17N	153.39E	141–22	3.4,3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.1km s-min=11.2km az=135.0.
MOS Error ellipse: s-maj=25.5km s-min=14.7km az=76.4.
IDC Error ellipse: s-maj=19.2km s-min=13.7km az=128.0.

ISC	**I**	**30 15 16 51.3–.87**	**47.1N–.10**	**153.0E–.10**	**56**	**3.6b**	**23**	**4-77**
ISCJB	I	30 15 16 49.5–.74	47.1N–.10	152.8E–.20	56	3.6b		¶12082745
MOS	I	30 15 16 51.7–1.0	47.21N	152.78E	82	3.6b		
IDC	I	30 15 16 54.4–3.0	47.15N	152.82E	87–26	3.4,3.2b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=10.0km az=42.5.
MOS Error ellipse: s-maj=26.5km s-min=13.8km az=65.0.
IDC Error ellipse: s-maj=28.2km s-min=18.8km az=125.0.

JMA	**I**	**30 17 18 34.8–.20**	**43.35N**	**146.48E**	**52–1**	**3.5**	
							¶15536922

JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

ISC	**I**	**31 17 31 56.8–.66**	**43.67N–.07**	**147.96E–.06**	**44–5**	**3.7b**	**71**	**2-82**
JMA	I	31 17 31 53.3–.20	43.54N	147.82E	0	4.0		¶12082843
ISCJB	I	31 17 31 54.7–.92	43.71N–.06	148.03E–.07	41–9	3.7b,3.4s		
MOS	I	31 17 31 55.3–.93	43.77N	148.01E	49	4.2b,3.4s		
SKHL	I	31 17 31 55.4–.40	43.76N	148.09E	39–7	5.0b,3.4s		
IDC	I	31 17 31 57.1–.73	43.72N	147.96E	46–5	3.7,3.6		

ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.7km az=154.6.
MOS Error ellipse: s-maj=13.7km s-min=11.9km az=74.9.
IDC Error ellipse: s-maj=18.7km s-min=14.1km az=164.0.

ISC	**I**	**31 23 33 44.7–2.7**	**43.2N–.10**	**146.7E–.10**	**43–22**	**3.5b**	**22**	**1-83**
JMA	I	31 23 33 43.7–.20	43.12N	146.67E	44–3	3.7		¶12082870
ISCJB	I	31 23 33 44.3–1.5	43.2N–.10	146.6E–.10	53–11	3.5b		
IDC	I	31 23 33 49.7–4.5	43.62N	146.51E	68–32	3.5,3.3b		

ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=23.7km s-min=12.6km az=156.8.
IDC Error ellipse: s-maj=98.7km s-min=23.3km az=173.0.

IDC	**II**	**01 12 07 51.4–3.2**	**46.31N**	**152.51E**	**0**	**3.7,3.4**		
								¶15954826

IDC Error ellipse: s-maj=73.4km s-min=51.1km az=8.0.

ISC	**II**	**01 12 51 04.7–1.3**	**43.21N–.10**	**146.28E–.09**	**82–8**	**3.3b**	**24**	**0-65**
ISCJB	II	01 12 51 04.1–1.0	43.23N–.09	146.26E–.10	90–6	3.2b		¶15537540
JMA	II	01 12 51 06.2–.10	43.26N	146.19E	78–1	3.5		
IDC	II	01 12 51 07.0–2.3	45.44N	145.56E	0	3.6,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=10.6km az=153.9.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=63.6km s-min=20.3km az=150.0.

IDC	**II**	**03 04 02 11.9–1.8**	**45.17N**	**147.18E**	**0**	**3.9,3.7**		
								¶15954943

IDC Error ellipse: s-maj=59.2km s-min=31.8km az=143.0.

IDC	**II**	**03 10 03 14.9–8.0**	**47.72N**	**153.04E**	**178–170**	**3.4L,3.2**		
								¶15954953

IDC Error ellipse: s-maj=266.0km s-min=29.4km az=171.0.

ISC	**II**	**03 22 23 25.6–.46**	**46.78N–.07**	**152.60E–.06**	**67**	**4.1b**	**113**	**4-149**
NIED	II	03 22 23 00	46.60N	153.10E	5	4.1W		¶13434234
SKHL	II	03 22 23 15.0–3.2	46.18N	153.64E	45–13	4.9b		
BJI	II	03 22 23 15.6	47.08N	153.98E	50	4.7b,4.4s		
MOS	II	03 22 23 21.3–1.1	46.87N	152.60E	41	4.4b,4.4s		
JMA	II	03 22 23 21.9–.80	46.56N	153.11E	30	4.7,4.4s		
ISCJB	II	03 22 23 23.6–.41	46.73N–.06	152.64E–.07	67	4.0b,4.4s		
NEIC	II	03 22 23 27.5–.68	46.94N	152.69E	82–6	4.3b,4.4s		
IDC	II	03 22 23 27.5–2.5	46.91N	152.64E	81–22	3.9,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s131.00000°,δ87.00000°,λ-69.00000°. NP2:ϕ_s229.00000°,δ21.00000°,λ-171.00000°. $M_0$1.58000×10^{15}
MOS Error ellipse: s-maj=14.6km s-min=9.4km az=64.6.
JMA Error ellipse: s-maj=7.8km s-min=8.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=3.4km az=142.7.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.5km az=142.0.
IDC Error ellipse: s-maj=17.2km s-min=11.0km az=141.0.

ISC	**II**	**03 22 39 26.2–.37**	**48.45N–.04**	**154.44E–.04**	**58–2**	**4.7b,3.8s**	**566**	**2-156**
BJI	II	03 22 39 21.3	48.47N	155.03E	59	5.0b,4.7b		¶13434235
SKHL	II	03 22 39 21.3–.40	48.07N	155.28E	71–8	5.5b,4.7b		
JMA	II	03 22 39 22.5–.50	48.25N	155.00E	30	5.1,4.7b		
ISCJB	II	03 22 39 22.6–.45	48.40N–.03	154.48E–.03	41–4	4.7b,3.8s		
MOS	II	03 22 39 23.5–.93	48.44N	154.39E	50	4.8b,3.8s		
IDC	II	03 22 39 24.8–.58	48.51N	154.38E	43–5	4.4L,4.4		
NEIC	II	03 22 39 26.7–.75	48.50N	154.35E	61–6	4.8b,4.4		

ISC Event type se.
JMA Error ellipse: s-maj=8.9km s-min=7.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.4km az=152.7.
MOS Event type fe. Error ellipse: s-maj=9.2km s-min=5.9km az=84.9. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=13.1km s-min=8.8km az=140.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.8km az=149.0.

JMA	**II**	**04 05 56 40.5–.20**	**43.21N**	**146.65E**	**61–2**	**3.6**		
								¶15538440

JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC II 04 10 09 43.0–6.3 46.51N 149.04E 0 3.7,3.4
¶15955010

IDC Error ellipse: s-maj=260.6km s-min=80.8km az=111.0.
JMA II 04 12 54 31.9–.30 44.07N 148.04E 27 3.5
¶15538547

JMA Error ellipse: s-maj=6.7km s-min=3.2km az=-1.0.
IDC II 05 02 43 36.8–10 45.99N 150.19E 114–72 3.3,3.1
¶15955053

IDC Error ellipse: s-maj=113.2km s-min=25.7km az=174.0.

ISC	**II**	**05 23 06 30.7–1.2**	**49.0N–.20**	**154.6E–.20**	**73**	**3.5b**	**14**	**2-71**
ISCJB	II	05 23 06 28.7–1.1	49.1N–.20	154.7E–.30	73	3.5b		**¶12699631**
MOS	II	05 23 06 30.8–1.4	49.18N	154.52E	94	3.9b		
IDC	II	05 23 06 31.3–3.0	49.09N	154.64E	82–27	3.5,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.8km s-min=7.8km az=41.9.
MOS Error ellipse: s-maj=37.0km s-min=14.3km az=63.9.
IDC Error ellipse: s-maj=35.8km s-min=18.1km az=132.0.

ISC	**II**	**06 00 05 12.5–.93**	**43.85N–.07**	**147.53E–.07**	**36–2**	**3.9s,3.8b**	**53**	**1-82**
NIED	II	06 00 05 00	43.70N	147.30E	56	4.1W,3.8b		**¶12699634**
MOS	II	06 00 05 12.4–1.9	43.92N	147.48E	58	4.1b,3.8b		
ISCJB	II	06 00 05 12.5–.73	43.94N–.05	147.40E–.06	52–7	3.8s,3.7b		
JMA	II	06 00 05 14.1–.20	43.72N	147.28E	26	4.3,3.7b		
IDC	II	06 00 05 14.0–3.4	43.90N	147.19E	51–32	4.1L,3.8		
SKHL	II	06 00 05 14.8–2.1	44.10N	147.50E	53–15	5.0b,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s104.00000°,δ87.00000°,λ109.00000°. NP2:ϕ_s203.00000°,δ19.00000°,λ10.00000°. $M_0$1.34000×10^{15}
MOS Error ellipse: s-maj=14.2km s-min=9.0km az=69.5.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.2km az=139.8.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=26.6km s-min=17.9km az=147.0.

ISC	**II**	**06 21 33 49.3–1.0**	**46.4N–.30**	**151.5E–.20**	**125**	**3.4b**	**16**	**5-72**
ISCJB	II	06 21 33 47.9–.82	46.6N–.20	151.4E–.20	125	3.5b		**¶12699693**
JMA	II	06 21 33 54.6–.40	45.89N	151.40E	171	3.3		
IDC	II	06 21 33 55.7–3.2	46.99N	150.82E	198–31	3.3,3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=38.9km s-min=8.1km az=145.3.
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=17.7km az=113.0.

ISC	**II**	**07 03 03 40.8–.96**	**44.18N–.05**	**147.59E–.05**	**58–8**	**4.5b**	**268**	**1-152**
NIED	II	07 03 03 00	43.90N	147.50E	50	4.2W		**¶11670392**
BJI	II	07 03 03 33.4	44.03N	148.50E	50	4.8b,4.6b		
SKHL	II	07 03 03 34.5–2.1	44.13N	148.54E	51–9	4.8b,4.6b		
ISCJB	II	07 03 03 39.9–.55	44.18N–.04	147.60E–.05	62–4	4.5b,4.6b		
MOS	II	07 03 03 39.0–.98	44.23N	147.57E	55	4.7b,4.6b		
IDC	II	07 03 03 40.8–2.2	44.24N	147.53E	55–20	4.2,4.1		
JMA	II	07 03 03 40.6–.20	43.92N	147.48E	13	4.8,4.1		
NEIC	II	07 03 03 41.4–.47	44.20N	147.58E	62–4	4.5b,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ71.00000°,λ81.00000°. NP2:ϕ_s260.00000°,δ21.00000°,λ114.00000°. $M_0$2.31000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.4km az=146.8.
MOS Error ellipse: s-maj=7.9km s-min=6.0km az=82.5.
IDC Error ellipse: s-maj=15.7km s-min=10.4km az=149.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=151.0. Recorded [1 JMA] in eastern Hokkaido.

ISC	**II**	**07 10 09 34.3–1.1**	**44.23N–.06**	**147.96E–.07**	**83–8**	**4.3b**	**78**	**1-82**
NIED	II	07 10 09 00	44.00N	147.80E	77	3.8W		**¶13434360**
SKHL	II	07 10 09 30.0–2.3	44.15N	148.68E	43–7	5.8b		
MOS	II	07 10 09 34.9–1.5	44.49N	147.85E	94	4.3b		
ISCJB	II	07 10 09 34.4–.82	44.28N–.06	147.89E–.08	99–7	4.1b		
JMA	II	07 10 09 37.4–.20	43.96N	147.79E	88	4.0		
IDC	II	07 10 09 40.5–3.2	44.82N	147.54E	106–32	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s249.00000°,δ74.00000°,λ-124.00000°. NP2:ϕ_s137.00000°,δ38.00000°,λ-28.00000°. $M_0$5.78000×10^{14}
MOS Error ellipse: s-maj=12.9km s-min=8.6km az=118.8.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=9.3km az=152.0.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=64.3km s-min=15.0km az=169.0.
IDC II 08 17 17 52.5–2.6 47.31N 154.92E 0 3.5,3.4
¶15955224

IDC Error ellipse: s-maj=65.3km s-min=21.4km az=155.0.
JMA II 08 17 30 48.6–.30 43.94N 147.98E 0 3.9
¶15540245

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC II 09 08 41 13.9–2.9 47.70N 152.36E 0 3.7,3.6
¶15955294

IDC Error ellipse: s-maj=73.3km s-min=18.4km az=158.0.

ISC	**II**	**09 22 06 14.3–.73**	**46.87N–.09**	**152.84E–.08**	**55–6**	**3.8b**	**51**	**6-79**
JMA	II	09 22 06 12.1–.80	46.93N	153.19E	30	4.3		**¶12699872**
IDC	II	09 22 06 14.3–.73	46.97N	152.82E	54–7	3.7,3.6		
ISCJB	II	09 22 06 15.0–.94	46.83N–.07	152.69E–.09	76–9	3.8b,3.6		
MOS	II	09 22 06 20.0–1.6	47.12N	152.66E	117	3.9b,3.6		

ISC Event type ke.
JMA Error ellipse: s-maj=11.1km s-min=9.1km az=-1.0.
IDC Error ellipse: s-maj=21.2km s-min=13.0km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=6.5km az=143.0.
MOS Error ellipse: s-maj=15.7km s-min=9.4km az=59.6.

ISC	**II**	**09 23 26 00.7–1.2**	**46.7N–.20**	**150.8E–.20**	**167**	**3.4b**	**20**	**5-74**
IDC	II	09 23 26 05.5–2.5	47.37N	150.44E	183–22	3.3,3.2		**¶15955319**

ISC Event type ke.
IDC Error ellipse: s-maj=50.4km s-min=16.2km az=157.0.

ISC	**II**	**10 10 37 01.9–3.1**	**50.1N–.20**	**157.2E–.10**	**10**		**23**	**1-7**
MOS	II	10 10 37 00.6–2.1	49.92N	157.55E	10	4.2b		**¶13970626**
KRSC	II	10 10 37 00.6–1.5	49.92N	157.55E	10–10	4.0L		

ISC Event type se.
MOS Error ellipse: s-maj=59.8km s-min=20.3km az=84.3.
KRSC Event type se.

ISC	**II**	**11 05 52 29.5–.39**	**45.33N–.05**	**150.21E–.04**	**111–2**	**4.7b**	**633**	**2-151**
NIED	II	11 05 52 00	44.90N	150.00E	89	4.5W		**¶13434450**
ISCJB	II	11 05 52 27.9–.38	45.43N–.04	150.15E–.03	104–4	4.6b		
MOS	II	11 05 52 28.4–1.1	45.46N	150.19E	113	4.7b		
SZGRF	II	11 05 52 28.4	46.50N	150.16E	33	5.1b		
BJI	II	11 05 52 28.4	45.56N	150.28E	115	4.8b,4.8b		
SKHL	II	11 05 52 28.7–.60	45.36N	150.29E	108–17	6.3s,5.9b		
IDC	II	11 05 52 29.1–.55	45.51N	150.10E	102–5	4.2,4.2		
NEIC	II	11 05 52 29.9–.67	45.46N	150.12E	110–6	4.8b,4.2		
JMA	II	11 05 52 32.5–.60	44.85N	150.02E	118	4.9,4.2		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s62.00000°,δ80.00000°,λ95.00000°. NP2:ϕ_s215.00000°,δ11.00000°,λ64.00000°. $M_0$5.72000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.0km az=171.0.
MOS Event type fe. Error ellipse: s-maj=7.3km s-min=5.0km az=107.1. Felt (II-III) at Kuril'sk, Reidovo, Goryachiye Klyuchi. Moment Tensor Solution.
SZGRF Kuril Islands, Russia.
SKHL Event type fe. Felt (II-III) at Kurilsk, Reydovo, Goryachie Kluchi.
IDC Error ellipse: s-maj=13.6km s-min=9.2km az=158.0.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.3km az=162.0. Recorded [1 JMA] in eastern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.

ISC	**II**	**11 15 19 20.4–1.6**	**43.34N–.10**	**147.08E–.08**	**42–14**	**3.4b**	**31**	**1-72**
NIED	II	11 15 19 00	43.40N	147.00E	47	3.8W		**¶12699981**
MOS	II	11 15 19 18.6–1.2	43.28N	147.12E	51	4.5b		
ISCJB	II	11 15 19 20.0–1.1	43.39N–.08	147.03E–.08	55–9	3.6b		
JMA	II	11 15 19 20.8–.20	43.37N	146.96E	39–3	3.8		
IDC	II	11 15 19 21.7–3.1	43.31N	147.03E	57–26	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s287.00000°,δ87.00000°,λ-166.00000°. NP2:ϕ_s196.00000°,δ76.00000°,λ-3.00000°. $M_0$5.88000×10^{14}
MOS Error ellipse: s-maj=19.8km s-min=14.2km az=84.2.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=6.6km az=143.9.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=53.7km s-min=21.4km az=158.0.
JMA II 11 17 26 14.8–.20 43.79N 147.36E 17 4.0
¶15541386

JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

ISC	**II**	**11 23 48 11.2–.40**	**44.04N–.04**	**147.84E–.04**	**41–2**	**4.9b,4.4s**	**472**	**1-153**
NIED	II	11 23 48 00	43.80N	147.70E	35	4.7W,4.4s		**¶13434512**
BJI	II	11 23 48 06.3	43.88N	148.27E	35	5.1b,4.9b		
JMA	II	11 23 48 08.6–.30	43.77N	147.66E	0	4.9,4.9b		
MOS	II	11 23 48 09.0–.93	44.06N	147.73E	36	5.1b,4.9b		
SKHL	II	11 23 48 09.6–.10	43.91N	148.04E	44–13	5.0b,4.9b		
ISCJB	II	11 23 48 10.2–.47	44.02N–.03	147.81E–.03	47–3	4.9b,4.6s		
IDC	II	11 23 48 10.2–4.7	44.07N	147.78E	33–35	4.5,4.5b		
NEIC	II	11 23 48 11.7–.61	44.08N	147.79E	45–5	4.9b,4.5b		
SZGRF	II	11 23 48 14.8	45.05N	147.82E	33	5.1b,4.5b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s47.00000°,δ77.00000°,λ92.00000°. NP2:ϕ_s217.00000°,δ14.00000°,λ80.00000°. $M_0$1.16000×10^{16}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=104.2.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.4km az=148.7.
IDC Error ellipse: s-maj=12.6km s-min=11.1km az=133.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=3.9km az=152.0. Recorded [1 JMA] in eastern Hokkaido.
SZGRF Kuril Islands, Russia.

ISC	**II**	**12 01 09 22.8–.72**	**44.86N–.06**	**146.81E–.06**	**168–7**	**4.0b**	**66**	**1-152**
ISCJB	II	12 01 09 22.0–.42	44.89N–.05	146.81E–.07	174–4	3.9b		**¶12700129**
MOS	II	12 01 09 22.1–1.2	45.11N	146.73E	168	4.0b		
BJI	II	12 01 09 22.9	45.73N	147.15E	192	4.8b,4.3b		
JMA	II	12 01 09 23.7–.40	44.77N	146.80E	168–4	3.8,4.3b		
IDC	II	12 01 09 24.7–1.1	45.25N	146.58E	172–11	3.8,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=7.1km az=150.5.
MOS Error ellipse: s-maj=14.3km s-min=8.7km az=65.6.
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=17.2km s-min=9.1km az=158.0.

ISC	**II**	**12 13 22 29.5–.41**	**45.40N–.06**	**150.75E–.04**	**60–2**	**5.2b,4.8s**	**770**	**2-150**
NIED	II	12 13 22 00	45.50N	151.00E	50	5.0W,4.8s		**¶11671982**
IDC	II	12 13 22 21.6–.50	45.51N	150.74E	0	5.0,4.9		
SKHL	II	12 13 22 25.0–1.6	45.28N	151.06E	42–12	5.5b,5.3s		
JMA	II	12 13 22 25.1–.80	45.47N	150.99E	30	5.5,5.3s		
MOS	II	12 13 22 25.3–1.3	45.35N	150.90E	47	5.4b,5.0s		
ISCJB	II	12 13 22 26.2–.47	45.43N–.04	150.72E–.03	42–4	5.2b,4.9s		
BJI	II	12 13 22 26.6	45.37N	150.95E	63	5.4s,5.4b		
NEIC	II	12 13 22 30.0–.14	45.53N	150.66E	59	5.2b,5.4b		
SZGRF	II	12 13 22 33.3	46.55N	150.75E	33	5.4b,5.4b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ58.00000°,λ50.00000°. NP2:ϕ_s223.00000°,δ49.00000°,λ136.00000°. $M_0$3.79000×10^{16}
IDC Error ellipse: s-maj=17.3km s-min=12.3km az=160.0.
JMA Error ellipse: s-maj=6.7km s-min=7.8km az=-1.0.
MOS Error ellipse: s-maj=15.1km s-min=10.7km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=2.7km az=166.6.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.3km az=162.0.
SZGRF Kuril Islands, Russia.
KRSC II 14 20 47 07.3–1.2 50.65N 157.47E 10–10 3.7L
¶14330692

KRSC Event type se.

ISC	**II**	**15 15 05 58.8–3.5**	**50.1N–.20**	**157.4E–.20**	**42–31**	**3.3b**	**26**	**1-76**
KRSC	II	15 15 05 57.7–.90	50.20N	157.55E	73–76	4.2L		**¶12700807**
MOS	II	15 15 05 58.5–1.8	50.25N	156.89E	54	4.3b		
IDC	II	15 15 06 04.2–2.9	50.36N	156.68E	91–25	3.2,3.1		

ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=26.6km s-min=10.1km az=77.5.
IDC Error ellipse: s-maj=33.6km s-min=18.9km az=136.0.

ISC	**II**	**16 06 43 58.5–1.3**	**45.74N–.06**	**147.91E–.06**	**24–11**	**4.0b**	**47**	**1-152**
NIED	II	16 06 43 00	45.70N	147.70E	14	4.1W		**¶12700877**
ISCJB	II	16 06 43 56.8–1.1	45.83N–.05	147.91E–.06	25–9	3.9b,3.9s		
JMA	II	16 06 43 56.1–.80	45.69N	147.72E	0	3.9,3.9s		
SKHL	II	16 06 43 56.3–.30	45.80N	148.27E	34–4	4.6b,3.0s		
MOS	II	16 06 43 58.0–1.3	45.72N	148.05E	39	4.2b,3.0s		
IDC	II	16 06 44 00.9–2.8	45.82N	147.88E	44–26	3.9,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ81.00000°,λ93.00000°. NP2:ϕ_s28.00000°,δ9.00000°,λ68.00000°. $M_0$1.48000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.1km az=141.7.
JMA Error ellipse: s-maj=7.8km s-min=5.4km az=-1.0.
MOS Error ellipse: s-maj=18.5km s-min=11.0km az=65.4.
IDC Error ellipse: s-maj=21.7km s-min=15.2km az=144.0.
KRSC II 16 13 26 54.5–.60 50.94N 157.74E 5–5 3.8L
¶14330699

KRSC Event type se.
JMA II 17 15 19 02.7–.20 43.58N 147.19E 39 3.5
¶15543309

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC II 17 18 14 34.2–2.9 49.00N 154.77E 92–25 3.3,3.2
¶15956435

IDC Error ellipse: s-maj=29.2km s-min=18.5km az=127.0.
IDC II 18 00 05 35.5–13 46.31N 149.66E 244–132 3.2,3.0
¶15956523

IDC Error ellipse: s-maj=24.2km s-min=20.0km az=133.0.

ISC	**II**	**20 22 02 39.7–.98**	**46.9N–.20**	**153.0E–.10**	**56**	**3.5b**	**19**	**4-78**
MOS	II	20 22 02 37.5–1.7	47.08N	153.04E	48	4.2b		**¶13434920**
ISCJB	II	20 22 02 38.1–.87	46.9N–.20	153.1E–.20	56	3.7b		
IDC	II	20 22 02 39.8–1.2	46.92N	152.87E	57–8	3.7,3.5		

ISC Event type ke.
MOS Error ellipse: s-maj=29.3km s-min=14.8km az=67.6.
ISCJB Event type ke. Error ellipse: s-maj=25.8km s-min=10.8km az=147.8.
IDC Error ellipse: s-maj=26.2km s-min=16.9km az=142.0.
JMA II 22 01 25 07.3–.30 43.83N 147.33E 29 3.7
¶15545187

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
KRSC II 22 01 51 35.8–1.1 50.71N 157.82E 9–10 4.0L
¶14330718

KRSC Event type se.

ISC	**II**	**22 23 22 44.1–.54**	**45.86N–.06**	**150.45E–.05**	**116–4**	**4.6b**	**760**	**2-151**
NIED	II	22 23 22 00	45.10N	150.40E	5	4.2W		**¶13434994**
ISCJB	II	22 23 22 42.6–.39	45.90N–.04	150.52E–.03	112–4	4.6b		
IDC	II	22 23 22 43.8–.56	45.93N	150.46E	112–5	4.2,4.2		
MOS	II	22 23 22 43.6–.91	45.91N	150.47E	121	4.5b,4.2		
SKHL	II	22 23 22 44.9–.40	45.85N	150.50E	117–13	6.4s,5.1b		
NEIC	II	22 23 22 45.2–.60	45.96N	150.45E	121–5	4.7b,5.1b		
BJI	II	22 23 22 45.1	46.62N	150.81E	141	5.0b,4.7b		
SZGRF	II	22 23 22 47.6	46.41N	150.38E	33	4.8b,4.7b		
JMA	II	22 23 22 47.4–.60	45.15N	150.45E	130	4.6,4.7b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s78.00000°,δ47.00000°,λ-87.00000°. NP2:ϕ_s253.00000°,δ43.00000°,λ-93.00000°. $M_0$2.42000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.0km az=170.5.
IDC Error ellipse: s-maj=13.2km s-min=9.7km az=148.0.
MOS Error ellipse: s-maj=7.4km s-min=5.2km az=93.5.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.4km az=162.0.
SZGRF Kuril Islands, Russia.
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.

ISC	**II**	**24 08 12 35.2–.65**	**45.17N–.08**	**148.26E–.07**	**156–5**	**3.7b**	**74**	**0-81**
MOS	II	24 08 12 34.2–1.1	45.67N	147.90E	143	3.8b		**¶12701723**
JMA	II	24 08 12 37.9–.70	44.95N	148.19E	145	4.4		
IDC	II	24 08 12 37.9–1.4	45.63N	147.94E	163–12	3.7,3.6		

ISC Event type ke.
MOS Error ellipse: s-maj=16.7km s-min=10.0km az=67.2.
JMA Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=16.5km s-min=8.9km az=155.0.
ISC II 24 12 14 47.2–1.3 46.1N–.30 153.1E–.20 100 3.7b 19 6-78
IDC II 24 12 14 46.1–1.3 47.28N 152.64E 69–8 3.8s,3.8 **¶15957163**
ISC Event type ke.
IDC Error ellipse: s-maj=44.3km s-min=17.9km az=159.0.
ISC II 25 12 08 39.2–.93 50.13N–.10 156.47E–.10 100–9 3.4b 51 1-74
ISCJB II 25 12 08 38.4–.76 50.13N–.09 156.5E–.10 104–9 3.3b **¶12701826**
MOS II 25 12 08 39.4–1.7 50.56N 155.83E 123 4.6b
KRSC II 25 12 08 39.7–.90 50.13N 157.41E 96–95 4.0L
IDC II 25 12 08 41.1–2.1 50.41N 155.89E 129–18 3.5,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=6.2km az=135.9.
MOS Error ellipse: s-maj=33.3km s-min=12.1km az=57.1.
KRSC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=15.0km az=142.0.
IDC II 27 00 41 48.8–2.5 45.61N 151.95E 0 4.0,3.8
¶15957426
IDC Error ellipse: s-maj=64.6km s-min=26.7km az=173.0.
IDC II 27 12 11 02.6–2.8 48.01N 153.97E 79–25 3.7,3.6
¶15957452
IDC Error ellipse: s-maj=25.6km s-min=12.3km az=141.0.
ISC II 27 14 47 26.0–.98 43.70N–.09 147.51E–.07 45–8 4.0b 41 1-82
NIED II 27 14 47 00 43.60N 147.30E 44 3.9W **¶12702014**
ISCJB II 27 14 47 25.5–1.0 43.74N–.08 147.47E–.10 57–8 3.9b,3.0s
JMA II 27 14 47 26.0–.30 43.57N 147.32E 20–4 4.0,3.0s
MOS II 27 14 47 28.7–1.1 44.14N 147.26E 67 4.3b,3.0s
IDC II 27 14 47 31.0–3.9 44.23N 147.29E 62–27 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s254.00000°,δ89.00000°,λ-131.00000°. NP2:ϕ_s163.00000°,δ41.00000°,λ-1.00000°. $M_0$8.21000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=6.6km az=141.3.
JMA Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=18.0km s-min=12.8km az=77.0.
IDC Error ellipse: s-maj=68.9km s-min=17.2km az=166.0.
ISC II 27 16 16 38.1–.64 47.0N–.10 152.89E–.09 66 3.7b 43 4-78
ISCJB II 27 16 16 36.9–.52 47.1N–.10 152.8E–.10 66 3.6b **¶12702020**
JMA II 27 16 16 36.0–.70 47.09N 153.04E 30 4.0
MOS II 27 16 16 38.5–1.2 47.20N 152.87E 80 3.9b
IDC II 27 16 16 39.1–.83 47.16N 152.82E 66–6 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.6km s-min=4.6km az=143.8.
JMA Error ellipse: s-maj=8.9km s-min=8.3km az=-1.0.
MOS Error ellipse: s-maj=19.9km s-min=11.1km az=52.3.
IDC Error ellipse: s-maj=28.7km s-min=13.6km az=153.0.
JMA II 28 03 23 46.0–.60 45.13N 148.86E 30 3.9
¶15547267
JMA Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
ISC II 28 22 58 40.4–.60 45.67N–.05 149.40E–.04 131–5 4.6b 717 1-151
NIED II 28 22 58 00 45.10N 149.50E 119 4.6W **¶11730992**
SKHL II 28 22 58 38.9–.10 45.71N 149.74E 125–14 6.2b,5.7
ISCJB II 28 22 58 39.2–.32 45.69N–.03 149.42E–.03 131–3 4.4b,5.7
MOS II 28 22 58 39.4–.99 45.82N 149.38E 128 4.6b,5.7
NEIC II 28 22 58 41.3–.54 45.83N 149.34E 132–5 4.7b,5.7
JMA II 28 22 58 42.6–.60 45.10N 149.51E 161 4.4,5.7
IDC II 28 22 58 42.3–1.6 45.95N 149.26E 140–15 4.1,4.0
BJI II 28 22 58 44.1 46.20N 149.30E 182 4.6b,4.2b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s80.00000°,δ76.00000°,λ-93.00000°. NP2:ϕ_s273.00000°,δ15.00000°,λ-77.00000°. $M_0$9.21000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.9km az=158.2.
MOS Error ellipse: s-maj=8.6km s-min=5.8km az=65.6.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.0km az=158.0.
JMA Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=13.7km s-min=8.2km az=152.0.
ISC III 01 11 34 05.4–1.6 50.4N–.10 156.98E–.08 45–15 3.4b 39 1-74
MOS III 01 11 34 03.4–1.5 50.35N 157.16E 33 4.1b **¶12702185**
ISCJB III 01 11 34 06.8–.96 50.55N–.07 157.1E–.10 73–10 3.4b
KRSC III 01 11 34 07.4–.60 50.74N 157.50E 5–5 4.0L
IDC III 01 11 34 09.2–2.3 50.65N 156.84E 77–22 3.5,3.3
ISC Event type se.
MOS Error ellipse: s-maj=28.9km s-min=15.9km az=59.4.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=7.8km az=43.6.
KRSC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=14.2km az=145.0.
KRSC III 01 12 51 08.3–1.3 50.57N 157.42E 91–98 3.6L
¶14523327
KRSC Event type se.
ISC III 01 17 19 18.6–.60 47.78N–.08 152.59E–.07 117 4.3b 227 4-84
SZGRF III 01 17 19 05.0 46.54N 152.60E 33 4.7b **¶13435296**
ISCJB III 01 17 19 17.0–.43 47.69N–.06 152.66E–.08 117 4.3b
MOS III 01 17 19 19.3–1.0 47.71N 152.54E 136 4.2b
IDC III 01 17 19 20.4–2.1 47.71N 152.62E 138–19 3.8,3.7b
NEIC III 01 17 19 25.7–1.1 48.22N 152.02E 150 4.5b,3.7b
BJI III 01 17 19 32.3 48.71N 151.91E 202 4.8b,4.5b
ISC Event type se.
SZGRF Kuril Islands, Russia.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.6km az=144.7.
MOS Error ellipse: s-maj=10.6km s-min=6.0km az=102.9.
IDC Error ellipse: s-maj=16.7km s-min=10.3km az=144.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=7.1km az=141.0.
JMA III 02 20 59 53.3–.40 44.02N 148.04E 0 4.3
NIED III 02 20 59 00 44.00N 148.00E 44 3.5W **¶14158385**
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s337.00000°,δ81.00000°,λ55.00000°. NP2:ϕ_s235.00000°,δ36.00000°,λ165.00000°. $M_0$2.35000×10^{14}
ISC III 02 21 15 37.1–1.5 46.4N–.20 151.3E–.20 50–8 3.7b 17 5-64
NIED III 02 21 15 00 46.10N 151.90E 8 3.5W **¶12702299**
ISCJB III 02 21 15 34.9–1.8 46.4N–.20 151.3E–.30 46–20 3.5b
MOS III 02 21 15 35.2–1.6 46.40N 151.23E 50 4.0b
IDC III 02 21 15 36.0–2.5 46.25N 151.50E 49–8 3.4,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s146.00000°,δ89.00000°,λ-18.00000°. NP2:ϕ_s236.00000°,δ72.00000°,λ-179.00000°. $M_0$2.24000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=47.5km s-min=14.1km az=141.5.
MOS Error ellipse: s-maj=27.3km s-min=19.3km az=54.1.
IDC Error ellipse: s-maj=60.4km s-min=21.7km az=155.0.
ISC III 03 13 17 58.5–.87 46.66N–.08 153.03E–.07 46–7 4.2b,3.6s 125 4-149
NIED III 03 13 17 00 46.70N 153.20E 26 4.1W,3.6s **¶12054458**
IDC III 03 13 17 52.7–.60 46.84N 152.81E 0 4.3,4.3
ISCJB III 03 13 17 56.4–.73 46.71N–.06 153.00E–.07 41–6 4.2b,3.5s
JMA III 03 13 17 56.9–.70 46.68N 153.21E 30 4.9,3.5s
SKHL III 03 13 17 59.7–.00 46.87N 153.10E 71–24 4.9b,3.5s
BJI III 03 13 18 00.5 47.22N 153.20E 89 4.7b,4.5b
MOS III 03 13 18 01.3–1.2 46.76N 152.73E 84 4.5b,4.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ75.00000°,λ-17.00000°. NP2:ϕ_s221.00000°,δ74.00000°,λ-164.00000°. $M_0$1.58000×10^{15}
IDC Error ellipse: s-maj=18.4km s-min=12.3km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=4.9km az=139.3.
JMA Error ellipse: s-maj=7.8km s-min=6.9km az=-1.0.
MOS Error ellipse: s-maj=9.9km s-min=8.2km az=79.4.
IDC III 03 18 51 00.4–2.4 48.13N 152.96E 151–24 3.1,3.0
¶12702376
IDC Error ellipse: s-maj=30.6km s-min=17.0km az=139.0.
ISC III 05 10 37 52.0–.78 45.13N–.06 150.76E–.05 69–6 4.5b 241 2-151
NIED III 05 10 37 00 45.40N 151.00E 20 4.2W **¶11754845**
SKHL III 05 10 37 46.5–1.9 45.08N 151.09E 68–28 5.0b,4.9s
JMA III 05 10 37 46.4–.60 45.39N 150.99E 30 4.9,4.9s
ISCJB III 05 10 37 47.6–.61 45.05N–.05 150.88E–.05 48–5 4.5b,3.8s
MOS III 05 10 37 48.1–.84 45.25N 150.83E 46 4.8b,3.8s
BJI III 05 10 37 50.8 44.67N 151.02E 96 4.9b,4.6b
IDC III 05 10 37 51.5–2.4 45.34N 150.74E 58–21 3.9,3.9
NEIC III 05 10 37 51.5–.63 45.27N 150.81E 59–5 4.7b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ62.00000°,λ100.00000°. NP2:ϕ_s189.00000°,δ30.00000°,λ72.00000°. $M_0$1.90000×10^{15}
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.6km az=152.2.
MOS Error ellipse: s-maj=8.4km s-min=7.5km az=98.5.
IDC Error ellipse: s-maj=16.6km s-min=11.7km az=155.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.2km az=148.0.
ISC III 05 16 30 11.7–2.0 48.6N–.30 154.0E–.20 77 3.2b 12 3-49
ISCJB III 05 16 30 09.9–1.7 48.6N–.20 154.0E–.30 77 3.2b **¶12702501**
MOS III 05 16 30 10.2–1.8 48.68N 153.89E 79 4.0b
IDC III 05 16 30 11.8–3.5 48.58N 153.97E 82–30 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=43.5km s-min=6.3km az=138.1.
MOS Error ellipse: s-maj=40.8km s-min=17.3km az=56.5.
IDC Error ellipse: s-maj=74.6km s-min=19.3km az=146.0.
IDC III 06 18 04 44.2–2.1 46.21N 152.69E 0 3.5,3.5
¶12702579
IDC Error ellipse: s-maj=54.0km s-min=26.3km az=170.0.
ISC III 07 18 43 12.5–2.0 48.5N–.30 154.5E–.20 51 3.8b 18 2-71
ISCJB III 07 18 43 10.4–1.6 48.4N–.20 154.5E–.30 51 3.7b,3.3s **¶12702654**
MOS III 07 18 43 12.4–1.1 48.54N 154.56E 67 4.1b,3.3s
IDC III 07 18 43 13.2–3.9 48.56N 154.41E 50–32 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.4km s-min=8.3km az=43.9.
MOS Error ellipse: s-maj=25.5km s-min=13.8km az=86.7.
IDC Error ellipse: s-maj=58.9km s-min=20.4km az=142.0.
ISC III 07 18 56 36.8–1.2 48.3N–.20 154.6E–.30 51 3.3b 7 3-74
ISCJB III 07 18 56 35.0–.00 48.3N–.20 154.6E–.40 51 3.4b **¶12702656**
IDC III 07 18 56 38.0–5.2 48.37N 154.70E 63–51 3.3,3.2L
MOS III 07 18 56 40.2–1.2 48.54N 154.46E 103 4.0b,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.7km s-min=16.9km az=25.9.
IDC Error ellipse: s-maj=44.1km s-min=29.8km az=119.0.
MOS Error ellipse: s-maj=86.1km s-min=22.8km az=74.2.
ISC III 10 07 45 37.1–.29 44.59N–.03 146.40E–.03 163–2 4.7b 890 1-154
DJA III 10 07 45 30.5–4.9 45N–16 147E–21 114–47 5.5b,5.2b **¶11789691**
MOS III 10 07 45 35.9–1.3 44.61N 146.40E 176 4.7b,5.2b
SKHL III 10 07 45 36.8–.10 44.59N 146.45E 155–11 5.9b,5.5s
ISCJB III 10 07 45 36.7–.20 44.62N–.03 146.36E–.02 169–2 4.6b,5.5s
BJI III 10 07 45 36.1 44.74N 146.34E 165 5.1b,4.9b
IDC III 10 07 45 37.5–.45 44.72N 146.35E 164–3 4.4,4.4
NEIC III 10 07 45 37.3–.49 44.70N 146.31E 160–4 4.8b,4.4
JMA III 10 07 45 38.0–.30 44.43N 146.49E 164–2 4.5,4.4
NIED III 10 07 46 00 44.40N 146.50E 140 4.6W,4.4
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=9.0km az=99.7.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.5km az=163.5.
IDC Error ellipse: s-maj=9.0km s-min=5.7km az=147.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=2.8km az=152.0. Recorded [1 JMA] in eastern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s317.00000°,δ63.00000°,λ130.00000°. NP2:ϕ_s76.00000°,δ47.00000°,λ39.00000°. $M_0$7.95000×10^{15}
IDC III 10 23 39 52.8–9.3 46.81N 153.20E 0 3.7,3.5b
¶12702927
IDC Error ellipse: s-maj=234.2km s-min=40.5km az=170.0.
KRSC III 12 06 06 55.8–1.6 50.02N 157.30E 10–10 3.8L
¶14523757
KRSC Event type se.
KRSC III 12 17 52 28.5–1.4 50.60N 157.23E 10–10 3.6L
¶14523758
KRSC Event type se.
ISC III 13 07 18 12.0–.39 45.45N–.05 150.99E–.04 58–2 5.0b,4.3s 1064 2-153
NIED III 13 07 18 00 45.50N 151.20E 35 4.7W,4.3s **¶13436156**
DJA III 13 07 18 05.4–1.2 46N–12 152E–23 10 5.5b,5.1
JMA III 13 07 18 08.3–.90 45.52N 151.15E 30 5.5,5.1
BJI III 13 07 18 09.5 45.60N 151.09E 60 5.1b,5.0b
ISCJB III 13 07 18 09.3–.41 45.45N–.03 150.94E–.02 46–3 4.9b,4.3s
MOS III 13 07 18 09.7–.79 45.54N 150.95E 47 5.3b,4.2s
SKHL III 13 07 18 09.4–.50 45.21N 151.07E 39–4 5.5b,4.3s
IDC III 13 07 18 10.5–2.2 45.58N 150.96E 41–19 4.6,4.6
NEIC III 13 07 18 11.8–.50 45.53N 150.90E 53–4 5.0b,4.6
BGS III 13 07 18 17.0–1.9 46.44N 151.06E 60 4.9b,4.6
SZGRF III 13 07 18 23.6 47.94N 149.38E 33 5.1b,4.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ60.00000°,λ70.00000°. NP2: ϕ_s225.00000°,δ35.00000°,λ120.00000°. $M_0$1.43000×10^{16}
JMA Error ellipse: s-maj=6.7km s-min=8.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.3km az=169.1.
MOS Error ellipse: s-maj=7.1km s-min=4.6km az=106.9.
IDC Error ellipse: s-maj=12.1km s-min=9.5km az=145.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.8km az=157.0.
BGS Error ellipse: s-maj=625.8km s-min=999.9km az=-1.0.
SZGRF Northwest of Kuril Islands, Russia.
ISC III 13 11 41 50.9–1.9 43.5N–.10 147.7E–.10 67–14 3.9b 44 1-72
MOS III 13 11 41 45.3–2.1 43.08N 147.78E 58 4.1b **¶12703163**
ISCJB III 13 11 41 51.9–1.1 43.58N–.09 147.5E–.10 89–7 3.8b
JMA III 13 11 41 52.9–.20 43.49N 147.48E 66–5 4.0
IDC III 13 11 41 59.3–4.5 44.34N 147.07E 97–45 3.6,3.5b
ISC Event type ke.
MOS Error ellipse: s-maj=23.8km s-min=12.5km az=117.2.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=8.7km az=145.2.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=161.0km s-min=23.0km az=169.0.
ISC III 14 12 40 34.3–2.1 43.4N–.10 147.10E–.10 42–15 4.3b 35 1-72
ISCJB III 14 12 40 34.6–1.2 43.46N–.08 147.00E–.09 58–7 4.1b **¶12703256**
IDC III 14 12 40 35.1–8.6 43.07N 147.19E 71–53 3.9b,3.9
MOS III 14 12 40 35.0–3.4 43.50N 147.10E 33 4.4b,3.9
JMA III 14 12 40 35.5–.20 43.40N 146.93E 38–3 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=6.7km az=141.7.
IDC Error ellipse: s-maj=90.8km s-min=48.0km az=170.0.
MOS Error ellipse: s-maj=25.6km s-min=13.9km az=121.3.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC III 14 21 23 59.0–.87 45.79N 149.24E 0 3.9,3.7
¶12703297
IDC Error ellipse: s-maj=41.8km s-min=19.8km az=118.0.
ISC III 15 00 18 26.8–3.2 49.7N–.20 156.8E–.20 172–26 3.4b 33 1-74
IDC III 15 00 18 05.8–1.6 48.77N 154.71E 0 3.9,3.6 **¶12703306**
KRSC III 15 00 18 22.4–.40 49.42N 157.01E 130–130 4.1L,3.6
MOS III 15 00 18 27.8–1.2 50.10N 155.96E 130 3.7b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=46.0km s-min=17.6km az=174.0.
KRSC Event type se.
MOS Error ellipse: s-maj=44.6km s-min=11.8km az=66.0.
KRSC III 15 02 59 36.7–1.1 50.61N 157.75E 5–5 4.0L
¶14523836
KRSC Event type se.
IDC III 16 08 24 16.1–3.8 46.33N 152.86E 47–30 3.5,3.4
¶12703408
IDC Error ellipse: s-maj=59.0km s-min=25.6km az=163.0.
KRSC III 18 04 24 25.2–1.2 50.47N 157.90E 15–15 3.5L
¶14523932
KRSC Event type se.
ISC III 20 10 34 54.6–.41 46.76N–.06 152.71E–.04 52–3 4.6b,3.8s 735 4-154

NIED III 20 10 34 00 46.90N 153.00E 32 4.3W,3.8s **¶13436829**
IDC III 20 10 34 47.2–.44 46.86N 152.70E 0 4.6,4.6
SKHL III 20 10 34 50.8–.60 46.36N 153.39E 80–19 6.3s,5.1b
JMA III 20 10 34 51.2–.70 46.87N 153.02E 30 5.2,5.1b
BJI III 20 10 34 53.0 46.97N 152.89E 62 4.8b,4.8b
ISCJB III 20 10 34 53.4–.47 46.74N–.03 152.72E–.03 57–4 4.6b,3.7s
MOS III 20 10 34 55.0–.93 46.75N 152.67E 71 4.8b,3.7s
NEIC III 20 10 34 55.0–.19 46.82N 152.66E 54 4.7b,3.7s
SZGRF III 20 10 34 57.3 47.61N 153.19E 33 4.8b,3.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ87.00000°,λ-39.00000°. NP2:ϕ_s219.00000°,δ51.00000°,λ-177.00000°. M_o3.69000×10^{15}
IDC Error ellipse: s-maj=14.3km s-min=11.2km az=158.0.
JMA Error ellipse: s-maj=6.7km s-min=6.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=2.6km az=166.1.
MOS Error ellipse: s-maj=7.2km s-min=4.9km az=94.8.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.1km az=158.0.
SZGRF Kuril Islands, Russia.
ISC III 20 20 11 37.0–1.2 43.1N–.10 147.1E–.20 38–4 3.7b 24 1-70
NIED III 20 20 11 00 43.10N 147.10E 23 3.7W **¶12703853**
IDC III 20 20 11 32.3–3.3 43.29N 147.08E 0 3.8,3.7
JMA III 20 20 11 35.8–.30 43.13N 147.12E 53–4 3.5,3.7
ISCJB III 20 20 11 36.4–1.6 43.1N–.10 147.1E–.10 51–12 3.7b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s133.00000°,δ80.00000°,λ113.00000°. NP2:ϕ_s244.00000°,δ25.00000°,λ23.00000°. M_o3.39000×10^{14}
ISCJB Event type ke.
ISC III 21 09 22 38.5–.98 47.7N–.20 153.0E–.10 150 3.3b 29 4-77
MOS III 21 09 22 36.1–1.8 48.12N 152.94E 115 3.9b **¶12635171**
IDC III 21 09 22 38.5–2.7 47.87N 153.03E 132–24 3.3,3.2
ISC Event type ke.
MOS Error ellipse: s-maj=30.0km s-min=16.4km az=63.7.
IDC Error ellipse: s-maj=37.7km s-min=14.5km az=167.0.
ISC III 22 18 40 29.4–.84 48.2N–.10 153.9E–.20 64 3.5b 19 3-76
ISCJB III 22 18 40 27.6–.65 48.2N–.10 154.0E–.20 64 3.6b **¶12635315**
MOS III 22 18 40 30.1–.93 48.19N 154.00E 88 3.6b
IDC III 22 18 40 32.4–2.8 48.18N 153.85E 93–25 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.4km s-min=7.6km az=43.2.
MOS Error ellipse: s-maj=22.7km s-min=11.8km az=62.3.
IDC Error ellipse: s-maj=24.6km s-min=12.3km az=133.0.
JMA III 25 05 00 55.2–.20 43.46N 147.50E 55 4.0 ¶15556086
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
ISC III 28 17 42 14.8–.82 49.34N–.08 156.48E–.09 50–8 3.3b 61 1-75
MOS III 28 17 42 11.9–1.1 49.26N 156.50E 47 4.5b **¶12635788**
KRSC III 28 17 42 13.6–1.4 49.51N 157.28E 5–5 4.4L
ISCJB III 28 17 42 14.6–1.0 49.45N–.08 156.4E–.10 66–11 3.2b
IDC III 28 17 42 14.9–.83 49.49N 155.94E 53–7 3.9s,3.9
ISC Event type se.
MOS Error ellipse: s-maj=28.8km s-min=8.1km az=71.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=7.2km az=37.1.
IDC Error ellipse: s-maj=43.3km s-min=13.8km az=131.0.
IDC III 28 19 37 44.5–5.2 46.05N 152.88E 0 3.6,3.5b ¶12635795
IDC Error ellipse: s-maj=120.3km s-min=39.3km az=159.0.
IDC III 29 21 37 18.2–3.1 48.45N 154.90E 60–28 3.5,3.4L ¶12635889
IDC Error ellipse: s-maj=23.4km s-min=16.0km az=128.0.
ISC III 30 13 39 53.0–.54 48.20N–.07 154.34E–.06 42 4.0b 73 3-78
KRSC III 30 13 39 49.0–2.0 47.82N 155.66E 7–7 4.5L **¶12635948**
ISCJB III 30 13 39 50.4–.39 48.09N–.05 154.40E–.07 42 4.1b
BJI III 30 13 39 50.6 48.10N 154.30E 30 4.7b,4.3b
SKHL III 30 13 39 50.1–.20 48.00N 154.86E 91–8 5.6s,4.7b
MOS III 30 13 39 52.3–1.4 48.17N 154.39E 62 4.2b,4.7b
IDC III 30 13 39 53.1–.68 48.16N 154.31E 51–6 3.9,3.8
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=3.2km az=137.9.
MOS Error ellipse: s-maj=11.7km s-min=7.6km az=59.2.
IDC Error ellipse: s-maj=18.2km s-min=10.9km az=148.0.
JMA III 30 17 56 09.0–.30 44.05N 148.20E 0 4.0
NIED III 30 17 56 00 44.00N 148.20E 65 4.9W **¶14167293**
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s254.00000°,δ87.00000°,λ-89.00000°. NP2:ϕ_s60.00000°,δ3.00000°,λ-103.00000°. M_o2.40000×10^{16}
ISC III 30 20 32 26.1–1.9 43.04N–.08 146.0E–.10 39–6 25 0-65
NIED III 30 20 32 00 43.10N 145.80E 50 3.6W **¶12635982**
IDC III 30 20 32 17.2–3.9 42.86N 146.63E 0 3.8b,3.7
MOS III 30 20 32 20.7–.47 42.76N 146.48E 37 4.1b,3.7
ISCJB III 30 20 32 26.0–1.1 43.07N–.06 145.93E–.09 50–8 3.7b,3.7
JMA III 30 20 32 27.7–.10 43.12N 145.83E 46–1 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ70.00000°,λ72.00000°. NP2:ϕ_s259.00000°,δ27.00000°,λ131.00000°. M_o2.37000×10^{14}
IDC Error ellipse: s-maj=68.9km s-min=35.7km az=122.0.
MOS Error ellipse: s-maj=44.1km s-min=29.6km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=7.7km az=37.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC III 31 23 28 39.8–1.3 46.6N–.20 153.0E–.20 40 3.4b 11 4-72
ISCJB III 31 23 28 37.9–.98 46.5N–.10 153.1E–.20 40 3.4b **¶12636058**
MOS III 31 23 28 41.8–.52 46.79N 152.69E 86 3.6b
IDC III 31 23 28 42.9–3.3 46.71N 152.86E 76–29 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.5km s-min=8.7km az=142.9.
MOS Error ellipse: s-maj=36.4km s-min=17.5km az=61.9.
IDC Error ellipse: s-maj=39.9km s-min=23.2km az=104.0.
KRSC IV 01 11 41 19.9–1.8 49.58N 156.95E 26–26 3.6L ¶14509619
KRSC Event type se.
KRSC IV 01 21 11 49.8–1.1 50.49N 157.30E 10–10 3.7L ¶14509616
KRSC Event type se.
ISC IV 02 15 45 20.9–.85 48.1N–.10 154.6E–.10 42 3.4b 17 3-78
ISCJB IV 02 15 45 18.9–.72 48.12N–.08 154.6E–.20 42 3.4b **¶12934310**
MOS IV 02 15 45 21.6–2.0 48.12N 154.65E 72 3.9b
IDC IV 02 15 45 23.0–3.2 48.21N 154.39E 62–29 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=7.5km az=37.8.
MOS Error ellipse: s-maj=23.7km s-min=12.1km az=64.4.
IDC Error ellipse: s-maj=29.5km s-min=17.5km az=151.0.
IDC IV 02 20 13 51.8–5.1 47.15N 152.37E 225–38 2.9,2.9 ¶16152285
IDC Error ellipse: s-maj=148.9km s-min=21.6km az=130.0.
ISC IV 03 04 43 55.0–1.3 44.4N–.10 149.6E–.10 35 3.5b 24 1-81
ISCJB IV 03 04 43 52.3–1.2 44.3N–.20 149.7E–.10 33 3.4b **¶12934412**
IDC IV 03 04 44 01.3–2.9 46.40N 148.72E 0 3.7,3.5
MOS IV 03 04 44 02.4–1.7 45.96N 148.66E 40 4.0b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.2km s-min=6.2km az=150.0.
IDC Error ellipse: s-maj=82.9km s-min=23.8km az=170.0.
MOS Error ellipse: s-maj=41.8km s-min=23.5km az=72.1.
ISC IV 03 11 40 06.3–1.3 44.38N–.07 149.59E–.07 60–14 3.8b 69 1-81
NIED IV 03 11 40 00 44.80N 149.30E 59 4.1W **¶12934400**
JMA IV 03 11 40 07.8–.40 44.84N 149.34E 30 4.5
ISCJB IV 03 11 40 08.0–.87 44.42N–.08 149.39E–.08 89–10 3.7b
MOS IV 03 11 40 07.0–1.1 44.92N 149.36E 55 4.3b
IDC IV 03 11 40 10.1–2.1 44.93N 149.34E 72–20 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ82.00000°,λ109.00000°. NP2:ϕ_s347.00000°,δ20.00000°,λ24.00000°. M_o1.38000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=7.8km az=155.7.
MOS Error ellipse: s-maj=15.2km s-min=9.5km az=136.0.
IDC Error ellipse: s-maj=21.0km s-min=11.4km az=147.0.
IDC IV 04 17 44 08.9–3.0 46.84N 152.89E 83–25 3.4,3.2 ¶12934451
IDC Error ellipse: s-maj=31.2km s-min=17.2km az=107.0.
ISC IV 05 22 33 30.6–.91 46.5N–.10 152.7E–.10 52 3.7b 43 4-115
ISCJB IV 05 22 33 29.0–.79 46.6N–.10 152.7E–.10 52 4.1s,3.7b **¶12934531**
IDC IV 05 22 33 34.6–2.8 46.81N 152.50E 81–24 3.6,3.4
MOS IV 05 22 33 35.5–1.6 46.61N 152.26E 109 4.0b,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.7km s-min=5.7km az=139.5.
IDC Error ellipse: s-maj=28.9km s-min=16.0km az=139.0.
MOS Error ellipse: s-maj=18.6km s-min=11.6km az=61.1.
KRSC IV 06 04 26 48.6–1.0 50.62N 157.62E 10–10 3.8L ¶14509633
KRSC Event type se.
ISC IV 06 09 47 40.4–.34 48.33N–.04 154.92E–.03 59–2 5.0b,4.5s 1159 2-156
NIED IV 06 09 47 00 48.80N 154.90E 17 4.9W,4.5s **¶16152449**
IDC IV 06 09 47 32.8–.41 48.38N 154.77E 0 4.7,4.7
SKHL IV 06 09 47 35.8–.30 48.21N 155.51E 53–1 5.9s,5.7b
KRSC IV 06 09 47 36.0–1.4 48.08N 156.23E 75–25 5.4L,5.7b
BJI IV 06 09 47 36.8 48.48N 155.11E 60 4.9b,4.8b
MOS IV 06 09 47 37.0–.92 48.38N 154.91E 38 5.2b,4.4s
ISCJB IV 06 09 47 39.0–.10 48.40N–.02 154.86E–.02 56 4.9b,4.5s
NEIC IV 06 09 47 39.7–.44 48.39N 154.82E 47–3 5.1b,4.5s
SZGRF IV 06 09 47 41.7 49.83N 154.55E 33 5.3b,4.6s
GCMT IV 06 09 47 41.9–.20 48.35N 155.17E 34–0 5.1W,4.6s
DJA IV 06 09 47 43.6–6.5 49N–11 155E–23 89–53 5.4b,4.9b
BGS IV 06 09 47 56.9–2.1 50.54N 149.56E 47 5.1b,4.9b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ66.00000°,λ110.00000°. NP2:ϕ_s359.00000°,δ31.00000°,λ53.00000°. M_o2.76000×10^{16}
IDC Error ellipse: s-maj=13.6km s-min=8.9km az=148.0.
KRSC Event type se.
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=89.8.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.7km az=159.7.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.2km az=167.0.
SZGRF Kuril Islands, Russia.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c74; s74,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}4.40±.17 $M_{\theta\theta}$-1.63±.11; $M_{\phi\phi}$-2.78±.11; $M_{r\theta}$1.32±.14; $M_{\theta\phi}$-2.37±.07; $M_{\phi r}$1.03±.13; Best double couple: NP1:ϕ_s213.00000°,δ35.00000°,λ82.00000°. NP2:ϕ_s43.00000°,δ55.00000°,λ96.00000°. Principal axes: T 4.7200,Plg79.0000° ,Azm335.0000°; N 0.2000,Plg5.0000°,Azm220.0000°; P -4.9300,Plg10.0000°,Azm129.0000° M_o4.80000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IV 06 10 46 03.0–.78 48.4N–.10 155.1E–.10 43 3.3b 15 2-76
MOS IV 06 10 46 01.6–1.7 48.40N 155.08E 48 3.9b **¶12934648**
ISCJB IV 06 10 46 01.3–.70 48.39N–.08 155.1E–.20 43 3.3b
IDC IV 06 10 46 02.8–3.8 48.31N 154.96E 40–36 3.5,3.4L
ISC Event type ke.
MOS Error ellipse: s-maj=33.0km s-min=14.5km az=63.7.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=8.0km az=34.4.
IDC Error ellipse: s-maj=34.7km s-min=19.3km az=145.0.
JMA IV 06 18 48 54.3–.70 44.69N 149.26E 30 3.7
NIED IV 06 18 48 00 44.70N 149.30E 26 3.6W **¶14465170**
JMA Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ53.00000°,λ60.00000°. NP2: ϕ_s228.00000°,δ47.00000°,λ123.00000°. M_o2.42000×10^{14}
ISC IV 06 21 57 02.5–.94 45.5N–.10 151.64E–.09 32 3.6b 35 3-79
JMA IV 06 21 57 05.2–.60 46.03N 151.20E 30 4.3 **¶12934610**
IDC IV 06 21 57 07.2–2.9 46.02N 151.34E 83–26 3.5,3.3
MOS IV 06 21 57 12.5–1.9 46.87N 149.83E 63 4.1b,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=8.9km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=26.7km s-min=16.2km az=121.0.
MOS Error ellipse: s-maj=43.7km s-min=16.3km az=59.6.
ISC IV 07 01 39 00.0–.51 45.91N–.05 151.30E–.04 66–4 4.8b 971 3-153
NIED IV 07 01 38 00 45.90N 151.40E 47 4.6W **¶12576629**
BJI IV 07 01 38 52.8 45.91N 152.13E 60 4.8b,4.6b
SZGRF IV 07 01 38 56.4 46.94N 151.12E 81 4.8b,4.6b
ISCJB IV 07 01 38 57.9–.44 45.95N–.03 151.26E–.02 56–4 4.8b,4.0s
SKHL IV 07 01 38 58.8–1.6 45.97N 151.53E 38–4 6.1b,5.4s
JMA IV 07 01 38 58.7–.50 45.87N 151.39E 30 5.5,5.4s
MOS IV 07 01 39 00.8–.93 45.99N 151.19E 80 4.8b,5.4s
NEIC IV 07 01 39 01.8–.48 46.04N 151.21E 76–4 4.9b,5.4s
IDC IV 07 01 39 01.8–2.0 46.07N 151.22E 75–17 4.5,4.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ64.00000°,λ75.00000°. NP2:ϕ_s261.00000°,δ29.00000°,λ118.00000°. M_o1.03000×10^{16}
SZGRF Kuril Islands, Russia.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.6km az=168.3.
JMA Error ellipse: s-maj=5.6km s-min=4.6km az=-1.0.
MOS Error ellipse: s-maj=7.3km s-min=4.6km az=103.8.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.6km az=163.0.
IDC Error ellipse: s-maj=13.5km s-min=8.4km az=149.0.
ISC IV 07 04 23 34.1–.26 46.06N–.03 151.64E–.02 40–1 6.8s,6.3b 2518 3-160
NIED IV 07 04 23 00 46.00N 152.20E 44 6.8W,6.3b **¶12742052**
BJI IV 07 04 23 29.2 46.22N 151.93E 30 7.0b,6.8s
JMA IV 07 04 23 30.1–.60 46.01N 152.19E 30 6.7,6.8s
SKHL IV 07 04 23 31.5–.20 45.90N 152.15E 35–1 7.2b,6.9s
ISCJB IV 07 04 23 32.3–.33 46.04N–.02 151.59E–.01 36–3 6.8s,6.3b
IDC IV 07 04 23 33.5–1.1 46.10N 151.57E 33–6 6.8,6.8s
NEIC IV 07 04 23 33.1–.10 46.05N 151.55E 31 6.9W,6.9W
MOS IV 07 04 23 33.3–1.7 46.02N 151.67E 56 6.9s,6.7b
SZGRF IV 07 04 23 34.7 47.27N 151.44E 33 7.1s,6.3b
DJA IV 07 04 23 34.4–2.4 46N–6.0 152E–8.0 33–17 7.0b,6.9
TEH IV 07 04 23 34.0 46.14N 151.42E 39 7.0L,6.9
BGS IV 07 04 23 36.1–1.8 46.88N 153.58E 33 6.7s,6.2b
GCMT IV 07 04 23 41.0–.00 46.00N 151.99E 43–0 6.9W,6.2b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s341.00000°,δ60.00000°,λ48.00000°. NP2:ϕ_s222.00000°,δ50.00000°,λ139.00000°. M_o1.51000×10^{19}
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
SKHL Event type fe. Felt (III-IV) at Kurilsk, (II) at Severo-Kurilsk, Yushno-Kurilsk.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.5km az=159.3.
IDC Error ellipse: s-maj=9.3km s-min=7.1km az=127.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=159.0. Felt [IV] at Kuril'sk and [II] at Severo-Kuril'sk and Yuzhno-Kuril'sk. Felt at Sapporo, Hokkaido. Recorded [3 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s130 Moment tensor: Scale 10^{19}Nm; M_{rr}1.50 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-1.07 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.40 $M_{\phi r}$0.94 Best double couple: NP1:ϕ_s31.00000° ,δ65.00000°,λ94.00000°. NP2:ϕ_s202.00000°,δ25.00000°,λ82.00000°. Principal axes: T 1.9200,Plg69.0000°,Azm308.0000°; N -0.2500,Plg3.0000°,Azm209.0000° ; P -1.6700,Plg19.0000°,Azm118.0000° M_o1.80000×10^{19} Moment Tensor Solution. M_o3.20000×10^{19}
MOS Event type fe. Error ellipse: s-maj=8.9km s-min=4.0km az=102.3. Fault plane solution: P-wave C225, D12 . Felt (III-IV) at Kuril'sk; (II) at Severo-Kuril'sk, Yuzhno-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s219.00000°,δ32.00000° ,λ97.00000°. NP2:ϕ_s31.00000°,δ58.00000°,λ86.00000°. Principal axes: T Plg77.0000° ,Azm289.0000°; N Plg4.0000°,Azm34.0000°; P Plg13.0000°,Azm124.0000° M_o9.60000×10^{19}
SZGRF Kuril Islands, Russia.
BGS Error ellipse: s-maj=172.8km s-min=541.5km az=-1.0.
GCMT Event type se. Data Used: II IU IC G. LP body wave period 50 sec. Mantle waves from 109 sta. Surface waves: sta=117, comp=312, per= 50. Moment Tensor Solution. s114,c304; s99,c261; Moment tensor: Scale 10^{19}Nm; M_{rr}2.08±.01 $M_{\theta\theta}$-0.80±.01; $M_{\phi\phi}$-1.28±.01; $M_{r\theta}$0.41±.01; $M_{\theta\phi}$-1.19±.01; $M_{\phi r}$1.24±.01; Best double couple: NP1:ϕ_s231.00000°,δ31.00000° ,λ110.00000°. NP2:ϕ_s28.00000°,δ61.00000°,λ78.00000°. Principal axes: T 2.4900,Plg72.0000°,Azm271.0000°; N 0.0900,Plg10.0000°,Azm34.0000°

; P -2.5800,Plg15.0000°,Azm127.0000° $M_0$2.50000×10^{19}
ISC IV 07 05 42 16.5–.75 45.8N–.10 151.85E–.09 30 3.8b 49 3-79
ISCJB IV 07 05 42 15.1–.57 45.91N–.10 151.8E–.10 30 3.7b **¶12934744**
MOS IV 07 05 42 17.1–1.5 46.22N 151.75E 33 4.2b
JMA IV 07 05 42 17.8–1.0 45.75N 151.97E 30 4.6
IDC IV 07 05 42 21.9–2.6 46.04N 151.72E 70–23 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=4.6km az=145.5.
MOS Error ellipse: s-maj=15.4km s-min=10.0km az=60.9.
JMA Error ellipse: s-maj=8.9km s-min=9.3km az=-1.0.
IDC Error ellipse: s-maj=24.4km s-min=13.3km az=150.0.
ISC IV 07 07 53 09.9–.54 45.75N–.09 151.79E–.07 48 4.3b 188 3-153
IDC IV 07 07 53 03.8–.63 45.99N 151.66E 0 4.2,4.2 **¶12611345**
JMA IV 07 07 53 08.7–.70 45.81N 151.96E 30 4.8,4.2
ISCJB IV 07 07 53 08.4–.38 45.69N–.06 151.80E–.07 48 4.4s,4.3b
MOS IV 07 07 53 09.2–1.1 45.94N 151.74E 48 4.8b,4.3b
NEIC IV 07 07 53 12.9–.87 46.00N 151.61E 65–7 4.7b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=13.9km az=145.0.
JMA Error ellipse: s-maj=6.7km s-min=7.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=3.0km az=144.1.
MOS Error ellipse: s-maj=10.0km s-min=8.2km az=81.9.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.1km az=149.0.
ISC IV 07 09 05 11.1–.54 45.71N–.08 151.94E–.06 30 4.0b 81 3-151
ISCJB IV 07 09 05 09.9–.46 45.87N–.07 151.78E–.08 30 3.9b **¶12934732**
SKHL IV 07 09 05 10.8–2.1 45.79N 152.11E 37–4 5.0b
MOS IV 07 09 05 12.2–.93 45.91N 151.80E 54 4.3b
JMA IV 07 09 05 12.8–.60 45.80N 151.85E 30 4.9
IDC IV 07 09 05 14.3–2.8 45.97N 151.63E 52–24 3.9,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=3.7km az=146.0.
MOS Error ellipse: s-maj=13.6km s-min=9.3km az=53.1.
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=17.2km s-min=11.9km az=147.0.
ISC IV 07 14 50 01.3–.44 45.86N–.06 151.71E–.04 60–2 4.6b,3.9s 488 3-153
NIED IV 07 14 49 00 45.90N 151.80E 38 4.4W,3.9s **¶12099432**
SKHL IV 07 14 49 57.4–.70 45.73N 152.11E 53–8 4.9b,3.9s
MOS IV 07 14 49 58.4–1.1 45.98N 151.55E 45 4.9b,3.9s
ISCJB IV 07 14 49 58.9–.45 45.89N–.04 151.67E–.03 49–4 4.6b,3.8s
NEIC IV 07 14 49 58.5–.26 45.99N 151.62E 30 4.9b,3.8s
IDC IV 07 14 49 58.5–.68 46.00N 151.61E 30–5 4.3,4.3
BJI IV 07 14 49 59.0 45.93N 151.84E 59 4.8b,4.7b
JMA IV 07 14 49 59.2–.80 45.91N 151.76E 30 5.0,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s334.00000°,δ81.00000°,λ42.00000°. NP2:ϕ_s235.00000°,δ49.00000°,λ168.00000°. $M_0$4.99000×10^{15}
MOS Error ellipse: s-maj=8.6km s-min=6.1km az=91.2.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.0km az=164.8.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.2km az=144.0.
IDC Error ellipse: s-maj=16.5km s-min=11.3km az=154.0.
JMA Error ellipse: s-maj=6.7km s-min=7.7km az=-1.0.
ISC IV 07 18 38 04.4–.35 46.06N–.06 151.91E–.04 39–2 4.5b,4.2s 472 3-153
BJI IV 07 18 37 59.0 45.71N 152.58E 40 5.0b,4.5s **¶13438136**
MOS IV 07 18 38 02.8–.90 46.05N 151.93E 38 4.8b,4.5s
JMA IV 07 18 38 02.0–.50 46.07N 152.28E 30 4.8,4.5s
ISCJB IV 07 18 38 03.8–.53 45.99N–.04 151.92E–.03 48–5 4.5b,4.2s
SKHL IV 07 18 38 04.4–1.4 46.02N 152.26E 62–15 5.5s,4.9b
NEIC IV 07 18 38 05.5–.63 46.08N 151.86E 48–5 4.7b,4.9b
IDC IV 07 18 38 07.3–2.5 46.16N 151.84E 63–22 4.1s,4.1
ISC Event type se.
MOS Error ellipse: s-maj=9.9km s-min=6.0km az=84.7.
JMA Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.3km az=164.4.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.6km az=149.0.
IDC Error ellipse: s-maj=18.2km s-min=11.6km az=153.0.
ISC IV 07 19 14 08.8–.81 46.0N–.10 152.0E–.10 48 3.6b 52 3-79
JMA IV 07 19 14 07.3–.70 45.99N 152.22E 30 4.4 **¶12934700**
ISCJB IV 07 19 14 07.4–.64 46.09N–.10 152.0E–.10 48 3.6b
MOS IV 07 19 14 08.7–1.1 46.29N 151.95E 52 4.1b
IDC IV 07 19 14 12.9–2.8 46.32N 151.88E 71–22 3.6,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=11.1km s-min=8.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=3.9km az=142.6.
MOS Error ellipse: s-maj=16.4km s-min=10.6km az=50.2.
IDC Error ellipse: s-maj=31.3km s-min=13.4km az=151.0.
ISC IV 07 20 46 38.0–.51 45.80N–.04 151.93E–.04 59–3 4.3b,3.7s 234 3-153
NIED IV 07 20 46 00 45.90N 152.10E 11 4.3W,3.7s **¶12100596**
IDC IV 07 20 46 30.6–.50 45.88N 151.99E 0 4.2,4.2
ISCJB IV 07 20 46 32.9–.60 45.64N–.04 152.13E–.05 36–5 4.3b,3.9s
NEIC IV 07 20 46 35.0–2.2 45.84N 151.96E 31–16 4.5b,3.9s
MOS IV 07 20 46 34.8–.98 45.84N 152.05E 43 4.4b,3.9s
JMA IV 07 20 46 34.8–.50 45.88N 152.07E 30 4.9,3.9s
SKHL IV 07 20 46 35.1–.30 45.83N 152.18E 40–6 5.3s,4.9b
BJI IV 07 20 46 37.6 45.71N 151.70E 60 4.9b,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s263.00000°,δ72.00000°,λ86.00000°. NP2:ϕ_s97.00000°,δ19.00000°,λ103.00000°. $M_0$2.85000×10^{15}
IDC Error ellipse: s-maj=16.5km s-min=12.1km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.2km az=146.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.2km az=144.0.
MOS Error ellipse: s-maj=8.7km s-min=7.1km az=83.8.
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
ISC IV 08 00 59 13.5–.34 46.11N–.04 151.73E–.03 32–1 5.2b,4.3s 1454 3-154
NIED IV 08 00 59 00 46.00N 152.10E 35 4.9W,4.3s **¶13438147**
BGS IV 08 00 59 01.6–1.8 44.40N 155.48E 40 5.3b,4.3s
BJI IV 08 00 59 08.8 46.30N 152.18E 30 5.1b,5.0b
JMA IV 08 00 59 12.0–.80 46.05N 152.12E 30 5.5,5.0b
ISCJB IV 08 00 59 13.4–.37 46.13N–.02 151.64E–.02 42–3 5.2b,4.4s
IDC IV 08 00 59 13.8–2.4 46.20N 151.54E 33–17 4.8,4.8
MOS IV 08 00 59 13.1–.99 46.17N 151.54E 44 5.4b,4.3s
SKHL IV 08 00 59 13.3–.20 46.05N 152.09E 35–1 5.7b,5.6
NEIC IV 08 00 59 15.4–.50 46.16N 151.57E 46–4 5.2b,5.6
GCMT IV 08 00 59 18.5–.30 46.11N 151.90E 46–1 5.0W,5.6
SZGRF IV 08 00 59 19.4 47.73N 150.14E 33 5.3b,4.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s6.00000°,δ68.00000°,λ67.00000°. NP2:ϕ_s235.00000°,δ31.00000°,λ135.00000°. $M_0$2.23000×10^{16}
BGS Error ellipse: s-maj=608.5km s-min=999.9km az=-1.0.
JMA Error ellipse: s-maj=6.7km s-min=6.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=1.9km az=165.0.
IDC Error ellipse: s-maj=11.3km s-min=8.6km az=145.0.
MOS Error ellipse: s-maj=8.0km s-min=6.0km az=78.3.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.2km az=160.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c68; s80,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}3.36±.15 $M_{\theta\theta}$-1.24±.11; $M_{\phi\phi}$-2.13±.11; $M_{r\theta}$0.70±.10; $M_{\theta\phi}$-2.47±.08; $M_{\phi r}$1.93±.09; Best double couple: NP1:ϕ_s234.00000°,δ33.00000°,λ111.00000°. NP2:ϕ_s28.00000°,δ60.00000°,λ77.00000°. Principal axes: T 3.9700,Plg72.0000° ,Azm267.0000°; N 0.6800,Plg11.0000°,Azm35.0000°; P -4.6600,Plg14.0000°,Azm128.0000° $M_0$4.30000×10^{16}
SZGRF Kuril Islands, Russia.
ISC IV 08 07 17 17.0–.64 45.6N–.10 151.75E–.08 30 3.7b 46 3-79
ISCJB IV 08 07 17 14.0–.60 45.52N–.09 151.84E–.09 30 3.9b **¶12934821**
MOS IV 08 07 17 16.8–.87 45.48N 151.74E 57 4.2b
IDC IV 08 07 17 17.5–.77 45.47N 151.74E 45–6 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=6.3km az=151.0.
MOS Error ellipse: s-maj=13.2km s-min=12.0km az=146.6.
IDC Error ellipse: s-maj=17.5km s-min=11.9km az=156.0.
ISC IV 08 08 54 35.2–.41 45.84N–.05 151.63E–.04 79–2 4.5b 649 3-153
NIED IV 08 08 54 00 45.80N 152.00E 35 4.8W **¶13438168**
JMA IV 08 08 54 30.2–.60 45.82N 151.97E 30 5.2
MOS IV 08 08 54 30.6–.98 45.91N 151.77E 50 4.7b
SKHL IV 08 08 54 31.9–1.4 45.95N 151.98E 64–10 5.8s,5.5b
ISCJB IV 08 08 54 31.0–.44 45.83N–.03 151.70E–.03 53–4 4.6b,4.2s
IDC IV 08 08 54 32.0–2.0 45.98N 151.68E 47–18 4.2,4.2
NEIC IV 08 08 54 34.3–.55 46.00N 151.60E 64–5 4.7b,4.2
BJI IV 08 08 54 34.4 45.78N 151.54E 77 4.9b,4.6b
GCMT IV 08 08 54 35.2–.40 45.99N 151.92E 44–1 4.9W,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ63.00000°,λ76.00000°. NP2:ϕ_s226.00000°,δ30.00000°,λ116.00000°. $M_0$1.61000×10^{16}
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
MOS Error ellipse: s-maj=7.5km s-min=5.5km az=86.3.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=2.8km az=162.6.
IDC Error ellipse: s-maj=14.3km s-min=9.7km az=142.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.2km az=160.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c38; s58,c71; Moment tensor: Scale 10^{16}Nm; M_{rr}1.69±.20 $M_{\theta\theta}$-0.75±.14; $M_{\phi\phi}$-0.93±.15; $M_{r\theta}$0.49±.13; $M_{\theta\phi}$-2.52±.12; $M_{\phi r}$1.10±.10; Best double couple: NP1:ϕ_s259.00000°,δ45.00000°,λ145.00000°. NP2:ϕ_s16.00000°,δ66.00000°,λ51.00000°. Principal axes: T 2.2300,Plg52.0000° ,Azm239.0000°; N 1.3800,Plg35.0000°,Azm34.0000°; P -3.6100,Plg12.0000°,Azm133.0000° $M_0$2.90000×10^{16}
ISC IV 08 14 58 14.1–.70 50.12N–.09 155.46E–.09 131–6 3.8b 62 1-76
MOS IV 08 14 58 11.9–1.2 50.23N 155.18E 116 4.5b **¶12934796**
KRSC IV 08 14 58 12.9–1.5 49.46N 157.93E 70–79 4.3L
ISCJB IV 08 14 58 14.4–.68 50.24N–.07 155.3E–.10 145–8 3.6b
IDC IV 08 14 58 15.1–.74 50.30N 155.21E 131–6 3.4,3.3
ISC Event type ke.
MOS Error ellipse: s-maj=18.4km s-min=8.3km az=66.5.
KRSC Event type se.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=7.7km az=41.3.
IDC Error ellipse: s-maj=18.2km s-min=11.2km az=133.0.
ISC IV 08 16 17 55.7–.68 45.83N–.05 151.95E–.05 41–5 4.7b,3.9s 431 3-153
NIED IV 08 16 17 00 45.90N 151.90E 11 4.4W,3.9s **¶13438195**
BJI IV 08 16 17 44.5 46.13N 152.81E 12 4.6b,4.4b
SKHL IV 08 16 17 53.6–2.1 45.85N 152.18E 44–6 5.0b,3.9s
ISCJB IV 08 16 17 53.9–.60 45.85N–.03 151.81E–.04 37–5 4.6b,3.9s
MOS IV 08 16 17 54.0–1.0 45.90N 151.85E 38 5.0b,3.9s
IDC IV 08 16 17 55.5–3.2 46.02N 151.67E 33–23 4.2,4.2
JMA IV 08 16 17 55.3–.70 45.87N 151.91E 30 5.0,4.2
NEIC IV 08 16 17 56.5–.67 45.98N 151.73E 43–5 5.0b,4.2
SZGRF IV 08 16 18 04.8 47.07N 151.43E 57 4.8b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ77.00000°,λ93.00000°. NP2:ϕ_s178.00000°,δ14.00000°,λ77.00000°. $M_0$4.77000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.3km az=147.3.
MOS Error ellipse: s-maj=7.7km s-min=5.1km az=96.5.
IDC Error ellipse: s-maj=15.3km s-min=11.2km az=135.0.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.6km az=136.0.
SZGRF Kuril Islands, Russia.
ISC IV 08 20 50 38.9–.49 45.97N–.05 151.99E–.05 66–3 4.6b 429 3-150
NIED IV 08 20 50 00 46.00N 152.20E 44 4.3W **¶12105710**
JMA IV 08 20 50 35.7–.60 45.97N 152.17E 30 5.2
ISCJB IV 08 20 50 35.4–.64 46.02N–.04 152.01E–.05 48–5 4.6b,3.6s
SKHL IV 08 20 50 35.7–1.1 46.05N 152.35E 66–12 5.7s,5.0b
BJI IV 08 20 50 36.7 46.28N 152.13E 67 4.8b,4.7b
MOS IV 08 20 50 36.2–.88 46.21N 151.88E 46 4.8b,4.7b
NEIC IV 08 20 50 39.7–.63 46.22N 151.88E 66–5 4.8b,4.7b
IDC IV 08 20 50 40.2–2.5 46.22N 151.87E 70–21 4.2,4.1
SZGRF IV 08 20 50 52.2 47.70N 152.29E 115 4.6b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ68.00000°,λ-35.00000°. NP2:ϕ_s236.00000°,δ58.00000°,λ-154.00000°. $M_0$3.70000×10^{15}
JMA Error ellipse: s-maj=4.4km s-min=5.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=142.6.
MOS Error ellipse: s-maj=8.6km s-min=5.2km az=100.1.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.2km az=144.0.
IDC Error ellipse: s-maj=14.3km s-min=10.4km az=139.0.
SZGRF Kuril Islands, Russia.
ISC IV 09 01 44 06.8–1.0 46.8N–.20 152.3E–.10 67 4.0b 27 3-82
MOS IV 09 01 44 02.9–1.3 46.65N 152.83E 33 4.3b **¶12934919**
IDC IV 09 01 44 06.4–2.8 47.04N 152.63E 47–26 3.7,3.6
ISC Event type ke.
MOS Error ellipse: s-maj=22.4km s-min=12.3km az=51.2.
IDC Error ellipse: s-maj=45.5km s-min=21.0km az=149.0.
ISC IV 09 04 27 16.0–.93 44.37N–.05 148.23E–.07 51–7 3.8b 82 1-115
NIED IV 09 04 27 00 44.00N 147.90E 35 3.9W **¶12934910**
ISCJB IV 09 04 27 15.5–.72 44.37N–.05 148.19E–.07 62–6 3.7b
MOS IV 09 04 27 15.5–1.1 44.46N 148.16E 62 4.2b
JMA IV 09 04 27 16.2–.30 44.01N 147.95E 0 4.9
SKHL IV 09 04 27 17.5–.20 44.39N 148.16E 33 4.7b
IDC IV 09 04 27 17.2–2.3 44.47N 148.07E 58–21 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ77.00000°,λ75.00000°. NP2:ϕ_s234.00000°,δ19.00000°,λ138.00000°. $M_0$8.49000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.8km az=42.8.
MOS Error ellipse: s-maj=12.8km s-min=8.3km az=70.2.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=18.3km s-min=13.0km az=138.0.
KRSC IV 09 12 13 46.4–1.0 50.31N 157.63E 51–50 3.5L
¶14509637
KRSC Event type se.
JMA IV 09 19 26 59.0–.30 43.98N 147.85E 0 4.1
¶15412280
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC IV 10 03 10 21.8–.34 46.13N–.04 151.79E–.03 64–2 5.0b 1207 3-152
NIED IV 10 03 10 00 45.90N 152.40E 38 4.9W **¶13438283**
IDC IV 10 03 10 13.3–.36 46.11N 151.90E 0 4.9,4.9
JMA IV 10 03 10 16.0–.60 45.92N 152.41E 30 5.3,4.9
ISCJB IV 10 03 10 17.2–.43 46.07N–.03 151.84E–.02 35–4 5.0b,4.3s
DJA IV 10 03 10 17.4–1.4 46N–11 151E–25 10 5.8b,5.3
SKHL IV 10 03 10 17.6–.10 45.98N 152.33E 42–12 5.0b,4.8s
MOS IV 10 03 10 18.3–1.0 46.16N 151.83E 43 5.4b,4.4s
BJI IV 10 03 10 19.5 46.28N 151.96E 65 4.9b,4.9b
SZGRF IV 10 03 10 19.0 47.17N 151.87E 33 5.1b,4.9b
NEIC IV 10 03 10 22.0–.57 46.13N 151.79E 62–5 5.1b,4.9b
GCMT IV 10 03 10 22.5–.30 46.05N 152.09E 41–1 4.9W,4.9b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ83.00000°,λ50.00000°. NP2:ϕ_s231.00000°,δ41.00000°,λ170.00000°. $M_0$2.15000×10^{16}
IDC Error ellipse: s-maj=12.6km s-min=9.4km az=132.0.
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.1km az=168.5.
MOS Error ellipse: s-maj=7.4km s-min=4.2km az=95.0.
SZGRF Kuril Islands, Russia.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.7km az=161.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s38,c49; s70,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}2.46±.15 $M_{\theta\theta}$-0.73±.11; $M_{\phi\phi}$-1.73±.10; $M_{r\theta}$0.38±.10; $M_{\theta\phi}$-1.75±.07; $M_{\phi r}$1.61±.08; Best double couple: NP1:ϕ_s233.00000°,δ33.00000°,λ116.00000°. NP2:ϕ_s23.00000°,δ61.00000°,λ74.00000°. Principal axes: T 3.0200,Plg70.0000° ,Azm259.0000°; N 0.4300,Plg14.0000°,Azm31.0000°; P -3.4400,Plg15.0000°,Azm125.0000° $M_0$3.20000×10^{16}
ISC IV 10 03 43 13.8–2.2 50.6N–.10 156.96E–.08 14–13 3.3b 25 1-73
IDC IV 10 03 43 00.4–9.2 50.59N 153.16E 52–61 3.5,3.1 **¶14509641**
KRSC IV 10 03 43 13.6–.40 50.59N 157.00E 10–10 3.8L,3.1
ISC Event type se.
IDC Error ellipse: s-maj=152.7km s-min=60.7km az=133.0.
KRSC Event type se.
ISC IV 10 14 55 55.8–.63 45.41N–.08 151.83E–.06 30 4.3b,3.6s 134 3-83
NIED IV 10 14 55 00 45.60N 152.10E 5 4.1W,3.6s **¶13438336**
IDC IV 10 14 55 51.6–1.3 45.48N 151.89E 0 4.1,4.0

JMA IV 10 14 55 51.4–.60 45.64N 152.14E 30 4.3,4.0
ISCJB IV 10 14 55 53.7–.54 45.33N–.07 151.76E–.08 30 4.2b,3.7s
NEIC IV 10 14 55 54.1–3.8 45.45N 151.87E 17–23 4.7b,3.7s
BJI IV 10 14 55 56.1 45.43N 152.07E 60 4.9b,4.5b
MOS IV 10 14 55 57.0–1.3 45.57N 151.88E 52 4.8b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S63.00000°,δ86.00000°,λ111.00000°. NP2:ϕ_S164.00000°,δ21.00000°,λ12.00000°. $M_0$1.67000×10^{15}
IDC Error ellipse: s-maj=34.4km s-min=14.1km az=158.0.
JMA Error ellipse: s-maj=7.8km s-min=6.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=3.4km az=144.8.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.2km az=146.0.
MOS Error ellipse: s-maj=10.1km s-min=7.8km az=104.2.
ISC IV 10 19 02 26.2–1.8 50.4N–.10 157.58E–.10 74–23 40 1-51
MOS IV 10 19 02 27.8–1.4 51.21N 155.93E 31 4.2b **¶14210852**
KRSC IV 10 19 02 29.4–.90 50.70N 157.90E 10–10 4.1L
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=30.3km s-min=12.6km az=67.3. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se.
ISC IV 10 21 27 49.8–1.5 46.9N–.20 153.0E–.20 40 9 4-64
ISCJB IV 10 21 27 47.9–1.2 47.1N–.20 152.9E–.20 40 3.4b **¶12934941**
IDC IV 10 21 27 48.6–4.9 46.49N 153.38E 66–32 3.6L,3.5
MOS IV 10 21 27 48.0–1.8 46.94N 152.98E 43 4.1b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.3km s-min=8.2km az=136.2.
IDC Error ellipse: s-maj=109.6km s-min=26.9km az=149.0.
MOS Error ellipse: s-maj=39.6km s-min=17.5km az=58.7.
ISC IV 11 02 56 26.0–.53 48.12N–.08 154.47E–.07 42 4.2b,3.4s 164 3-114
MOS IV 11 02 56 21.6–.89 48.25N 154.37E 17 4.4b,3.4s **¶12935055**
SKHL IV 11 02 56 21.3–2.3 47.92N 155.35E 38–3 4.5b,3.4s
ISCJB IV 11 02 56 24.8–.31 48.17N–.04 154.44E–.07 42 4.2b,3.2s
KRSC IV 11 02 56 24.1–1.8 47.95N 155.79E 5–5 4.7L,3.2s
NEIC IV 11 02 56 26.5–.66 48.06N 154.29E 50–5 4.4b,3.2s
IDC IV 11 02 56 29.9–2.5 48.27N 154.27E 69–21 3.9,3.8
ISC Event type se.
MOS Error ellipse: s-maj=12.3km s-min=6.0km az=71.4.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=3.0km az=39.2.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.2km az=152.0.
IDC Error ellipse: s-maj=18.8km s-min=11.2km az=150.0.
IDC IV 11 08 35 51.5–3.1 48.28N 154.32E 92–29 3.2,3.0
¶16152658
IDC Error ellipse: s-maj=36.6km s-min=18.8km az=135.0.
ISC IV 11 16 38 53.8–.68 48.57N–.07 154.87E–.06 52–6 4.0b,3.2s 152 2-156
ISCJB IV 11 16 38 52.8–.54 48.64N–.05 154.74E–.08 56–5 4.0b,3.1s **¶12935018**
KRSC IV 11 16 38 52.6–1.5 48.47N 155.94E 10–10 4.7L,3.1s
MOS IV 11 16 38 52.4–1.6 48.68N 154.88E 51 4.2b,3.1s
BJI IV 11 16 38 53.5 48.60N 154.80E 33 4.4b,4.3b
IDC IV 11 16 38 54.1–.71 48.75N 154.65E 47–7 4.0L,3.9
NEIC IV 11 16 38 54.8–1.0 48.68N 154.70E 59–9 4.2b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=3.1km az=135.3.
KRSC Event type se.
MOS Error ellipse: s-maj=12.3km s-min=6.0km az=66.9.
IDC Error ellipse: s-maj=18.3km s-min=10.6km az=144.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.9km az=141.0.
ISC IV 11 16 56 25.7–2.8 50.0N–.20 156.76E–.10 55–20 39 1-48
IDC IV 11 16 56 16.3–3.0 49.54N 156.55E 0 3.5,3.5L **¶12935017**
MOS IV 11 16 56 18.2–1.1 49.60N 156.50E 29 4.3b,3.5L
KRSC IV 11 16 56 28.5–.90 50.39N 157.16E 5–5 4.2L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=61.5km s-min=35.6km az=147.0.
MOS Error ellipse: s-maj=50.4km s-min=12.2km az=79.2.
KRSC Event type se.
ISC IV 12 00 08 37.0–.97 46.4N–.10 153.2E–.10 40 3.9b 47 4-79
JMA IV 12 00 08 34.0–.70 46.90N 153.22E 30 4.0 **¶12935139**
MOS IV 12 00 08 34.8–.99 46.56N 153.17E 35 4.2b
ISCJB IV 12 00 08 35.0–.81 46.5N–.10 153.3E–.10 40 3.8b
IDC IV 12 00 08 37.6–3.0 46.50N 153.29E 43–27 3.7,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=10.0km s-min=8.4km az=-1.0.
MOS Error ellipse: s-maj=15.4km s-min=12.4km az=145.0.
ISCJB Event type ke. Error ellipse: s-maj=20.0km s-min=5.5km az=141.6.
IDC Error ellipse: s-maj=30.7km s-min=16.9km az=138.0.
ISC IV 12 01 54 31.5–.39 45.96N–.05 151.93E–.04 39–1 4.7b,4.1s 515 3-153
NIED IV 12 01 54 00 45.90N 152.30E 44 4.6W,4.1s **¶13438401**
ISCJB IV 12 01 54 28.6–.86 45.90N–.04 151.95E–.04 29–6 4.6b,4.1s
SKHL IV 12 01 54 29.3–.70 45.97N 152.43E 49–6 5.0b,4.2s
JMA IV 12 01 54 29.0–.50 45.89N 152.32E 30 5.0,4.2s
BJI IV 12 01 54 29.2 46.09N 152.09E 38 4.8b,4.7b
IDC IV 12 01 54 30.7–3.5 46.07N 151.84E 29–23 4.3,4.2
MOS IV 12 01 54 31.5–1.2 46.14N 151.75E 43 4.9b,4.2
NEIC IV 12 01 54 31.8–.25 46.10N 151.80E 35 4.7b,4.2
SZGRF IV 12 01 54 43.4 47.79N 150.99E 33 4.7b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S139.00000°,δ75.00000°,λ-33.00000°. NP2:ϕ_S238.00000°,δ58.00000°,λ-163.00000°. $M_0$9.68000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.2km az=149.2.
JMA Error ellipse: s-maj=5.6km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=15.7km s-min=11.5km az=149.0.
MOS Error ellipse: s-maj=8.2km s-min=5.1km az=105.4.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.3km az=151.0.
SZGRF Kuril Islands, Russia.
KRSC IV 12 07 06 36.7–1.3 48.77N 155.95E 10–10 4.2L
¶14509651
KRSC Event type se.
ISC IV 13 00 50 15.8–.69 46.1N–.10 152.98E–.08 31 3.9b 67 5-148
NIED IV 13 00 50 00 46.70N 153.00E 8 4.1W **¶13438450**
JMA IV 13 00 50 13.0–.70 46.74N 152.95E 30 4.4
ISCJB IV 13 00 50 14.3–.52 46.11N–.08 152.91E–.09 31 3.9b,3.3s
MOS IV 13 00 50 14.6–1.1 46.22N 153.06E 32 4.2b,3.3s
IDC IV 13 00 50 17.4–3.2 46.18N 153.10E 39–28 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S246.00000°,δ74.00000°,λ99.00000°. NP2:ϕ_S35.00000°,δ18.00000°,λ60.00000°. $M_0$1.50000×10^{15}
JMA Error ellipse: s-maj=13.3km s-min=9.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=3.9km az=145.2.
MOS Error ellipse: s-maj=13.8km s-min=9.7km az=71.0.
IDC Error ellipse: s-maj=18.2km s-min=13.1km az=142.0.
ISC IV 13 03 44 46.3–2.9 43.25N–.09 147.4E–.20 46–23 3.8b 42 1-72
NIED IV 13 03 44 00 43.30N 147.30E 56 3.5W **¶12935218**
ISCJB IV 13 03 44 46.6–1.2 43.25N–.08 147.29E–.10 64–9 3.8b
JMA IV 13 03 44 46.4–.20 43.30N 147.31E 37 4.1
IDC IV 13 03 44 48.2–4.9 44.68N 146.96E 0 3.9,3.9
MOS IV 13 03 44 50.4–1.4 44.62N 147.01E 31 4.3b,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S19.00000°,δ80.00000°,λ53.00000°. NP2:ϕ_S275.00000°,δ38.00000°,λ163.00000°. $M_0$2.32000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=10.4km az=145.1.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=115.9km s-min=24.8km az=160.0.
MOS Error ellipse: s-maj=20.5km s-min=18.6km az=117.7.
IDC IV 13 04 15 11.7–2.0 45.44N 151.68E 0 3.9,3.8b
¶16152740
IDC Error ellipse: s-maj=59.1km s-min=22.6km az=169.0.
JMA IV 13 21 21 25.6–.30 44.27N 148.28E 0 4.2
¶15413819
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC IV 14 03 04 26.9–.39 48.83N–.04 154.97E–.03 41–3 5.3b,4.8s 1558 2-155
NIED IV 14 03 04 00 48.70N 155.50E 35 5.4W,4.8s **¶13438498**
IDC IV 14 03 04 21.0–.39 48.90N 154.87E 0 5.2,5.2
SZGRF IV 14 03 04 20.3 49.06N 154.81E 33 5.3b,5.1s
BJI IV 14 03 04 21.6 49.01N 155.46E 38 5.4b,5.2b
DJA IV 14 03 04 22.7–2.6 49N–15 155E–43 0 6.0b,5.6
SKHL IV 14 03 04 23.2–1.2 48.76N 155.82E 49–18 6.4s,6.0b
MOS IV 14 03 04 23.6–1.0 48.84N 154.88E 28 5.4b,4.9s
KRSC IV 14 03 04 25.5–.50 48.71N 156.19E 5–5 5.7L,4.9s
ISCJB IV 14 03 04 25.9–.31 48.79N–.02 154.97E–.02 48–2 5.3b,4.8s
NEIC IV 14 03 04 27.2–.57 48.84N 154.88E 44–5 5.5W,5.4b
GCMT IV 14 03 04 29.8–.10 48.69N 155.48E 46–0 5.4W,5.4b
BGS IV 14 03 04 32.5–1.4 49.62N 153.52E 40 5.7b,5.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S50.00000°,δ76.00000°,λ109.00000°. NP2:ϕ_S175.00000°,δ23.00000°,λ38.00000°. $M_0$1.65000×10^{17}
IDC Error ellipse: s-maj=12.4km s-min=9.0km az=154.0.
SZGRF Kuril Islands, Russia.
MOS Error ellipse: s-maj=6.4km s-min=3.5km az=90.7.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.7km az=158.9.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=158.0. Moment Tensor Solution. s66 Moment tensor: Scale 10^{16}Nm; M_{rr}7.28 $M_{\theta\theta}$-5.58 $M_{\phi\phi}$-1.70 $M_{r\theta}$4.12 $M_{\theta\phi}$-2.38 $M_{\theta r}$3.90 Best double couple: NP1:ϕ_S54.00000°,δ65.00000°,λ82.00000°. NP2:ϕ_S253.00000° ,δ27.00000°,λ107.00000°. Principal axes: T 9.4000,Plg69.0000°,Azm306.0000° ; N -0.8100,Plg7.0000°,Azm57.0000°; P -8.5900,Plg19.0000°,Azm150.0000° $M_0$9.00000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s87,c159; s97,c193; Moment tensor: Scale 10^{17}Nm; M_{rr}1.36±.03 $M_{\theta\theta}$-0.40±.02; $M_{\phi\phi}$-0.96±.02; $M_{r\theta}$0.36±.02; $M_{\theta\phi}$-0.74±.01; $M_{\phi r}$0.49±.02; Best double couple: NP1:ϕ_S214.00000°,δ33.00000°,λ89.00000°. NP2:ϕ_S35.00000°,δ57.00000°,λ91.00000°. Principal axes: T 1.4900,Plg78.0000° ,Azm309.0000°; N 0.1100,Plg1.0000°,Azm215.0000°; P -1.6000,Plg12.0000°,Azm125.0000° $M_0$1.50000×10^{17}
BGS Error ellipse: s-maj=246.2km s-min=634.6km az=-1.0.
KRSC IV 14 03 10 45.8–.90 48.69N 155.94E 20–20 3.6L
¶14509661
KRSC Event type se.
IDC IV 14 03 41 07.5–3.2 46.30N 152.63E 0 3.8,3.8L
¶16152782
IDC Error ellipse: s-maj=89.2km s-min=24.3km az=177.0.
ISC IV 14 20 44 36.4–.74 48.0N–.10 153.9E–.10 64 3.8b 39 3-78
MOS IV 14 20 44 31.8–1.5 47.91N 154.09E 39 4.1b **¶12935240**
ISCJB IV 14 20 44 34.5–.64 47.90N–.08 154.0E–.10 64 3.8b
IDC IV 14 20 44 34.4–.87 47.87N 153.99E 41–6 3.8,3.7
ISC Event type ke.
MOS Error ellipse: s-maj=15.2km s-min=8.8km az=77.8.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=6.5km az=44.3.
IDC Error ellipse: s-maj=22.0km s-min=13.1km az=150.0.
ISC IV 16 00 34 18.0–4.6 44.6N–.20 148.0E–.30 65 3.8b 14 2-69
IDC IV 16 00 33 48.1–47 44.01N 149.56E 0 3.9,3.8 **¶12935393**
JMA IV 16 00 34 14.5–.60 44.54N 148.19E 110 3.2,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=1092.0km s-min=88.3km az=156.0.
JMA Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
ISC IV 16 01 07 45.5–1.2 50.7N–.10 157.1E–.10 126–9 3.1b 21 1-73
KRSC IV 16 01 07 44.1–.80 50.51N 157.64E 76–84 3.9L **¶12935390**
ISCJB IV 16 01 07 44.4–.89 50.62N–.10 157.1E–.20 122–8 3.2b
IDC IV 16 01 07 49.4–6.9 51.13N 157.10E 145–32 3.3,3.2
ISC Event type ke.
KRSC Event type se.
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=9.5km az=136.0.
IDC Error ellipse: s-maj=95.6km s-min=34.4km az=15.0.
ISC IV 16 14 39 31.2–.43 45.77N–.05 151.47E–.04 66–3 4.5b 265 3-153
NIED IV 16 14 39 00 46.00N 151.30E 35 4.3W **¶12601057**
ISCJB IV 16 14 39 28.9–.57 45.86N–.04 151.40E–.05 56–5 4.5b,4.1s
MOS IV 16 14 39 29.7–.80 45.97N 151.37E 60 4.9b,4.1s
JMA IV 16 14 39 30.5–.70 45.96N 151.33E 30 4.7,4.1s
NEIC IV 16 14 39 30.6–.27 46.03N 151.28E 51 4.8b,4.1s
IDC IV 16 14 39 30.6–.53 46.01N 151.33E 53–4 4.1,4.0
SKHL IV 16 14 39 31.1–1.3 46.03N 151.47E 53–8 5.3s,4.8b
BJI IV 16 14 39 34.1 46.31N 151.27E 89 4.8b,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S58.00000°,δ46.00000°,λ83.00000°. NP2:ϕ_S249.00000°,δ45.00000°,λ97.00000°. $M_0$3.50000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.3km az=150.3.
MOS Error ellipse: s-maj=9.8km s-min=6.8km az=77.3.
JMA Error ellipse: s-maj=8.9km s-min=7.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.8km az=154.0.
IDC Error ellipse: s-maj=15.1km s-min=10.3km az=133.0.
ISC IV 17 14 51 59.3–.26 46.20N–.03 151.80E–.03 54–1 5.5b,5.0s 1839 3-154
NIED IV 17 14 51 00 46.10N 152.10E 44 5.5W,5.0s **¶14413620**
BJI IV 17 14 51 53.5 46.36N 152.22E 45 5.6b,5.4b
DJA IV 17 14 51 54.3–.80 46N–8.0 152E–14 10 6.6,5.8b
JMA IV 17 14 51 55.8–.60 46.10N 152.11E 30 5.7,5.8b
SKHL IV 17 14 51 56.6–.70 46.03N 152.25E 66–13 6.2b,6.0s
MOS IV 17 14 51 56.5–1.1 46.16N 151.72E 45 5.8b,5.2s
TEH IV 17 14 51 56.9 46.29N 151.68E 40 5.6L,5.2s
ISCJB IV 17 14 51 57.2–.36 46.20N–.02 151.70E–.02 45–3 5.5b,5.1s
NEIC IV 17 14 51 58.7–.12 46.17N 151.70E 49 5.7W,5.5b
IDC IV 17 14 51 59.2–1.6 46.25N 151.61E 49–14 5.1,5.1
GCMT IV 17 14 52 01.9–.10 46.06N 151.97E 50–0 5.6W,5.1
BGS IV 17 14 52 01.9–1.7 46.73N 152.11E 50–999 5.6b,4.9s
SZGRF IV 17 14 52 07.6 47.72N 151.20E 33 5.6b,5.3s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S1.00000°,δ62.00000°,λ62.00000°. NP2: ϕ_S230.00000°,δ39.00000°,λ132.00000°. $M_0$2.00000×10^{17}
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
MOS Error ellipse: s-maj=5.7km s-min=3.8km az=95.5.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.8km az=166.8.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=154.0. Recorded [1 JMA] in eastern Hokkaido. Moment Tensor Solution. s80 Moment tensor: Scale 10^{17}Nm; M_{rr}1.79 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-1.06 $M_{r\theta}$0.76 $M_{\theta\phi}$-0.88 $M_{\phi r}$0.78 Best double couple: NP1:ϕ_S42.00000° ,δ61.00000°,λ92.00000°. NP2:ϕ_S217.00000°,δ29.00000°,λ86.00000°. Principal axes: T 2.1000,Plg74.0000°,Azm318.0000°; N -0.0100,Plg2.0000°,Azm220.0000° ; P -2.0900,Plg15.0000°,Azm130.0000° $M_0$2.10000×10^{17}
IDC Error ellipse: s-maj=10.6km s-min=7.7km az=138.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=225, per= 50. Moment Tensor Solution. s99,c196; s33,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}2.97±.05 $M_{\theta\theta}$-1.43±.03; $M_{\phi\phi}$-1.54±.04; $M_{r\theta}$0.59±.03; $M_{\theta\phi}$-1.60±.02; $M_{\phi r}$1.17±.03; Best double couple: NP1:ϕ_S231.00000°,δ34.00000°,λ102.00000°. NP2:ϕ_S37.00000°,δ57.00000°,λ82.00000°. Principal axes: T 3.2600,Plg77.0000°,Azm282.0000°; N 0.0700,Plg7.0000°,Azm41.0000° ; P -3.3400,Plg11.0000°,Azm133.0000° $M_0$3.30000×10^{17}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Kuril Islands, Russia.
ISC IV 18 16 36 21.3–1.1 43.61N–.06 147.75E–.06 59–9 4.0b 83 1-150
NIED IV 18 16 36 00 43.50N 147.60E 74 4.1W **¶13438838**
ISCJB IV 18 16 36 21.6–.72 43.65N–.05 147.66E–.06 75–5 3.9b
MOS IV 18 16 36 21.0–1.1 43.66N 147.70E 71 4.3b
SKHL IV 18 16 36 22.9–.20 43.66N 147.76E 44–4 4.6b
IDC IV 18 16 36 23.9–2.5 43.68N 147.55E 80–23 3.8,3.7
JMA IV 18 16 36 23.0–.20 43.53N 147.60E 49 4.4,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S333.00000°,δ46.00000°,λ-98.00000°. NP2:ϕ_S164.00000°,δ45.00000°,λ-82.00000°. $M_0$1.48000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.4km az=136.4.
MOS Error ellipse: s-maj=10.8km s-min=9.0km az=108.8.
IDC Error ellipse: s-maj=16.9km s-min=14.8km az=127.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC IV 18 17 33 43.9–.92 44.15N–.08 147.04E–.08 130–7 3.8b 49 1-151
ISCJB IV 18 17 33 42.9–.60 44.14N–.07 147.05E–.09 135–4 3.6b **¶13438841**
MOS IV 18 17 33 43.2–1.0 44.22N 146.94E 139 4.0b
IDC IV 18 17 33 45.7–2.3 44.25N 146.85E 142–20 3.6,3.5
JMA IV 18 17 33 45.8–.50 44.07N 146.94E 121–4 3.4,3.5

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=6.5km az=137.5.
MOS Error ellipse: s-maj=20.0km s-min=13.4km az=79.7.
IDC Error ellipse: s-maj=19.2km s-min=15.6km az=114.0.
JMA Error ellipse: s-maj=2.2km s-min=4.0km az=-1.0.

ISC	**IV**	**18 19 18 01.1–.36**	**46.05N–.03**	**151.40E–.02**	**51–2**	**6.4s,6.2b**	**2526**	**3-160**
NIED	IV	18 19 17 00	46.00N	152.10E	47	6.5W,6.2b		¶13438849
KRSC	IV	18 19 17 52.0–.30	45.17N	152.37E	53–25	6.6L,6.2b		
SKHL	IV	18 19 17 54.8–1.8	45.68N	152.31E	70–9	7.1b,7.0s		
JMA	IV	18 19 17 55.5–.60	45.99N	152.07E	30	6.5,7.0s		
ISCJB	IV	18 19 17 57.6–.26	46.01N–.01	151.50E–.01	34–2	6.4s,6.2b		
NEIC	IV	18 19 17 58.9–.09	46.02N	151.43E	35	6.7W,6.6W		
MOS	IV	18 19 17 59.2–1.1	46.04N	151.44E	54	6.6s,6.5b		
BGS	IV	18 19 18 00.0–1.3	46.36N	152.05E	33	6.4b,6.2s		
IDC	IV	18 19 18 00.1–1.5	46.04N	151.46E	42–13	6.4,6.4s		
BJI	IV	18 19 18 00.0	46.15N	151.47E	62	6.7b,6.6s		
DJA	IV	18 19 18 02.3–1.3	46N–13	150E–19	10	6.8b,6.7		
SZGRF	IV	18 19 18 04.4	46.71N	151.27E	33	6.7b,6.7s		
GCMT	IV	18 19 18 06.0–.10	45.96N	151.74E	50–0	6.6W,6.7s		
NEIC	IV	18 19 18 16.0–.00	45.90N	151.27E	47	6.6W,6.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s339.00000°,δ75.00000°,λ48.00000°. NP2:ϕ_s232.00000°,δ44.00000°,λ158.00000°. $M_0$5.90000×10^{18}
KRSC Event type se.
SKHL Event type fe. Felt (II) at Yushno-Kurilsk.
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.4km az=153.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=155.0. Felt [II] at Yuzhno-Kuril'sk. Recorded [3 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Complex earthquake observed on broadband displacement seismograms. A small event is followed by a much larger event about 1.5 seconds later. Depth from synthetics of broadband displacement seismograms based on the larger event. Energy computed from CMT mechanism. Moment Tensor Solution. s130 Moment tensor: Scale 10^{18}Nm; M_{rr}5.05 $M_{\theta\theta}$-1.00 $M_{\phi\phi}$-4.05 $M_{r\theta}$1.63 $M_{\theta\phi}$-1.87 $M_{\phi r}$2.71 Best double couple: NP1: ϕ_s28.00000°,δ61.00000°,λ93.00000°. NP2:ϕ_s203.00000°,δ29.00000°,λ85.00000°. Principal axes: T 5.9700,Plg73.0000°,Azm305.0000°; N -0.1200,Plg2.0000°,Azm206.0000° ; P -5.8500,Plg16.0000°,Azm116.0000° $M_0$5.90000×10^{18} Moment Tensor Solution. $M_0$1.10000×10^{19}
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=4.0km az=93.6. Fault plane solution: P-wave C159, D11 . Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s217.00000°,δ45.00000°,λ95.00000°. NP2: ϕ_s30.00000°,δ45.00000°,λ85.00000°. Principal axes: T Plg86.0000°,Azm214.0000° ; N Plg4.0000°,Azm34.0000°; P Plg0.0000°,Azm124.0000° $M_0$2.10000×10^{19}
BGS Error ellipse: s-maj=136.6km s-min=327.7km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=6.9km az=133.0.
SZGRF Kuril Islands, Russia.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 103 sta. Surface waves: sta=121, comp=307, per= 50. Moment Tensor Solution. s117,c295; s99,c221; Moment tensor: Scale 10^{19}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s231.00000°,δ33.00000°,λ109.00000°. NP2:ϕ_s28.00000° ,δ59.00000°,λ78.00000°. Principal axes: T 1.0000,Plg73.0000°,Azm268.0000° ; N 0.0200,Plg10.0000°,Azm35.0000°; P -1.0200,Plg13.0000°,Azm127.0000° $M_0$1.00000×10^{19}
NEIC Event type se. Moment Tensor Solution. s141 Moment tensor: Scale 10^{19}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s30.00000°,δ63.00000° ,λ80.00000°. NP2:ϕ_s232.00000°,δ28.00000°,λ109.00000°. Principal axes: T 1.0900,Plg70.0000°,Azm279.0000°; N -0.0300,Plg8.0000°,Azm34.0000° ; P -1.0600,Plg17.0000°,Azm127.0000° $M_0$1.10000×10^{19}

KRSC	**IV**	**19 01 08 59.4–1.7**	**48.12N**	**155.98E**	**10–10**	**3.8L**		
								¶14510101
KRSC	Event type se.							
IDC	**IV**	**19 13 18 13.6–4.9**	**45.90N**	**151.79E**	**63–31**	**3.3,3.2**		
								¶16153057

IDC Error ellipse: s-maj=95.8km s-min=26.0km az=154.0.

KRSC	**IV**	**19 15 51 03.7–1.2**	**49.68N**	**156.78E**	**11–10**	**3.6L**		
								¶14510100
KRSC	Event type se.							
ISC	**IV**	**20 08 46 06.7–.97**	**45.5N–.10**	**151.92E–.10**	**30**	**3.4b**	**40**	**3-64**
NIED	IV	20 08 46 00	45.80N	151.90E	32	3.8W		¶12935752
ISCJB	IV	20 08 46 05.1–.71	45.6N–.10	151.8E–.10	30	3.4b		
JMA	IV	20 08 46 07.2–.70	45.80N	151.89E	30	4.5		
MOS	IV	20 08 46 09.7–1.1	46.61N	151.23E	31	4.1b		
IDC	IV	20 08 46 18.0–9.6	46.18N	151.49E	116–110	3.4L,3.2		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s314.00000°,δ83.00000°,λ34.00000°. NP2:ϕ_s220.00000°,δ56.00000°,λ172.00000°. $M_0$5.01000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=5.0km az=150.4.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
MOS Error ellipse: s-maj=43.5km s-min=17.5km az=56.7.
IDC Error ellipse: s-maj=74.3km s-min=22.9km az=171.0.

ISC	**IV**	**20 09 32 45.6–.68**	**45.64N–.09**	**151.96E–.08**	**30**	**3.8b,3.3s**	**59**	**3-79**
NIED	IV	20 09 32 00	45.80N	152.00E	32	4.1W,3.3s		¶12935748
ISCJB	IV	20 09 32 44.0–.50	45.62N–.08	151.90E–.08	30	3.6b,3.2s		
MOS	IV	20 09 32 45.2–1.6	45.83N	151.95E	42	4.3b,3.2s		
JMA	IV	20 09 32 45.9–.80	45.82N	151.99E	30	4.7,3.2s		
IDC	IV	20 09 32 49.1–3.0	46.00N	151.81E	55–26	3.7L,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s128.00000°,δ73.00000°,λ-28.00000°. NP2:ϕ_s226.00000°,δ64.00000°,λ-161.00000°. $M_0$1.42000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=4.2km az=147.4.
MOS Error ellipse: s-maj=14.1km s-min=9.3km az=57.5.
JMA Error ellipse: s-maj=7.8km s-min=7.0km az=-1.0.
IDC Error ellipse: s-maj=22.8km s-min=15.1km az=135.0.

ISC	**IV**	**20 12 02 26.6–.39**	**46.07N–.05**	**151.52E–.04**	**44–3**	**4.8b,4.0s**	**888**	**3-153**
NIED	IV	20 12 02 00	46.10N	151.80E	38	4.6W,4.0s		¶13438905
BJI	IV	20 12 02 22.9	46.22N	151.98E	46	4.9b,4.8b		
MOS	IV	20 12 02 24.8–.84	46.09N	151.44E	38	5.2b,4.8b		
JMA	IV	20 12 02 25.5–.60	46.07N	151.81E	30	5.1,4.8b		
ISCJB	IV	20 12 02 25.9–.44	46.08N–.03	151.46E–.02	47–4	4.8b,4.0s		
IDC	IV	20 12 02 26.9–.45	46.12N	151.45E	42–4	4.5,4.4		
SKHL	IV	20 12 02 26.7–.50	46.09N	151.85E	53–17	5.6b,3.9s		
NEIC	IV	20 12 02 27.6–.47	46.12N	151.39E	47–4	4.9b,3.9s		
BGS	IV	20 12 02 29.2–1.8	46.78N	151.45E	33	4.8b,3.9s		
SZGRF	IV	20 12 02 36.0	47.92N	151.38E	33	4.9b,4.2s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ58.00000°,λ72.00000°. NP2:ϕ_s230.00000°,δ36.00000°,λ116.00000°. $M_0$9.27000×10^{15}
MOS Error ellipse: s-maj=7.1km s-min=4.3km az=91.1.
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.4km az=166.1.
IDC Error ellipse: s-maj=11.8km s-min=8.1km az=145.0.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.4km az=161.0.
BGS Error ellipse: s-maj=366.6km s-min=999.9km az=-1.0.
SZGRF Kuril Islands, Russia.

ISC	**IV**	**21 00 23 56.3–1.3**	**45.3N–.20**	**151.7E–.10**	**32**	**4.0b**	**10**	**3-72**
IDC	IV	21 00 23 51.4–1.2	45.29N	151.52E	0	3.8,3.7		¶13438931
MOS	IV	21 00 23 53.9–1.9	45.22N	152.30E	33	4.2b,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=47.6km s-min=25.6km az=103.0.
MOS Error ellipse: s-maj=38.5km s-min=23.8km az=78.9.

ISC	**IV**	**21 01 16 46.6–.38**	**44.48N–.04**	**148.17E–.04**	**63–2**	**4.9b**	**945**	**1-153**
BJI	IV	21 01 16 41.6	44.50N	148.64E	59	5.1b,5.0b		¶12612265
SKHL	IV	21 01 16 43.1–.60	44.38N	148.65E	63–12	5.2b,4.2s		
JMA	IV	21 01 16 44.3–.30	44.06N	148.08E	0	5.0,4.2s		
ISCJB	IV	21 01 16 45.7–.34	44.47N–.03	148.12E–.02	65–3	4.8b,4.2s		
MOS	IV	21 01 16 45.2–.89	44.52N	148.15E	62	5.2b,4.2s		
IDC	IV	21 01 16 46.5–1.7	44.53N	148.16E	60–14	4.6,4.6		
TEH	IV	21 01 16 47.0	44.63N	148.06E	57	4.8L,4.6		
NEIC	IV	21 01 16 47.1–.53	44.52N	148.07E	65–5	5.0b,4.6		
NIED	IV	21 01 17 00	44.10N	148.00E	50	4.7W,4.6		

ISC Event type fe.
SKHL Event type fe. Felt (III) at Kurilsk, (II) at Yushno-Kurilsk.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.4km az=162.9.
MOS Event type fe. Error ellipse: s-maj=7.5km s-min=4.5km az=106.8. Felt (III) at Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=10.8km s-min=9.3km az=137.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=159.0. Recorded [1 JMA] in eastern Hokkaido.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ76.00000°,λ90.00000°. NP2:ϕ_s209.00000°,δ14.00000°,λ89.00000°. $M_0$1.31000×10^{16}

KRSC	**IV**	**21 03 43 29.6–1.7**	**50.09N**	**157.02E**	**10–10**	**3.7L**		
								¶14510105
KRSC	Event type se.							
ISC	**IV**	**21 05 26 11.6–.20**	**50.73N–.03**	**155.19E–.02**	**157–1**	**6.0b**	**2666**	**1-159**
BJI	IV	21 05 26 06.2	50.70N	155.56E	143	6.2b,5.8b		¶13438949
MOS	IV	21 05 26 09.9–.80	50.82N	155.06E	153	5.9b,5.3s		
KRSC	IV	21 05 26 09.9–.60	50.37N	156.06E	179–20	6.1L,5.3s		
DJA	IV	21 05 26 11.7–3.0	51N–8.0	155E–8.0	149–27	6.3b,6.2		
NEIC	IV	21 05 26 11.5–.09	50.83N	155.01E	152	6.2W,6.1W		
ISCJB	IV	21 05 26 12.0–.24	50.82N–.02	155.07E–.02	169–1	5.8b,6.1W		
IDC	IV	21 05 26 11.3–.35	50.84N	155.08E	151–3	5.3,5.3		
TEH	IV	21 05 26 12.0	50.82N	155.06E	151	6.0L,5.3		
BGS	IV	21 05 26 12.2–2.1	51.17N	155.02E	150–999	5.2b,5.3		
IGIL	IV	21 05 26 12.0	50.82N	155.06E	151	5.5s,5.3		
GCMT	IV	21 05 26 15.1–.10	50.64N	155.59E	152–0	6.2W,5.3		
SZGRF	IV	21 05 26 17.0	51.59N	155.18E	173	6.1b,5.3		

ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=7.1km s-min=4.4km az=88.0. Felt (III-IV) at Severo-Kuril'sk, (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.9km az=166.0. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s33.00000°,δ85.00000°,λ-80.00000°. NP2:ϕ_s149.00000°,δ11.00000°,λ-153.00000°. Principal axes: T Plg39.0000°,Azm114.0000° ; N Plg0.0000°,Azm0.0000°; P Plg49.0000°,Azm314.0000° Moment Tensor Solution. s104 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.22 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$0.65 $M_{r\theta}$-1.30 $M_{\theta\phi}$0.21 $M_{\phi r}$-1.99 Best double couple: NP1:ϕ_s147.00000°,δ11.00000°,λ-157.00000°. NP2:ϕ_s34.00000° ,δ86.00000°,λ-84.00000°. Principal axes: T 2.5900,Plg39.0000°,Azm115.0000° ; N -0.3000,Plg9.0000°,Azm213.0000°; P -2.2900,Plg48.0000°,Azm314.0000° $M_0$2.50000×10^{18} Moment Tensor Solution. $M_0$4.00000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=167.6.
IDC Error ellipse: s-maj=8.8km s-min=6.5km az=136.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=113, comp=272, per= 50. Moment Tensor Solution. s109,c267; s92,c138; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00±.02 $M_{\theta\theta}$-0.53±.02; $M_{\phi\phi}$0.53±.02; $M_{r\theta}$-1.15±.01; $M_{\theta\phi}$-0.54±.02; $M_{\phi r}$-1.99±.01; Best double couple: NP1:ϕ_s116.00000°,δ18.00000°,λ177.00000°. NP2:ϕ_s208.00000°,δ89.00000°,λ72.00000°. Principal axes: T 2.3200,Plg43.0000°,Azm101.0000°; N 0.1800,Plg18.0000°,Azm209.0000° ; P -2.5100,Plg42.0000°,Azm315.0000° $M_0$2.40000×10^{18}
SZGRF Northwest of Kuril Islands, Russia.

KRSC	**IV**	**21 10 09 55.8–.10**	**50.23N**	**157.40E**	**10–10**	**3.8L**		
								¶14510104
KRSC	Event type se.							
ISC	**IV**	**21 22 33 55.3–.75**	**48.87N–.08**	**155.85E–.09**	**51–6**	**3.8b**	**54**	**2-75**
MOS	IV	21 22 33 51.2–1.5	48.68N	155.98E	34	4.0b		¶12935841
KRSC	IV	21 22 33 53.1–1.2	48.91N	156.67E	5–5	4.4L		
ISCJB	IV	21 22 33 53.4–1.1	48.85N–.07	155.9E–.10	49–11	3.7b		
IDC	IV	21 22 33 55.5–.73	48.87N	155.60E	50–6	3.8,3.6		

ISC Event type se.
MOS Error ellipse: s-maj=23.8km s-min=7.8km az=75.5.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=8.5km az=36.5.
IDC Error ellipse: s-maj=26.0km s-min=13.5km az=144.0.

ISC	**IV**	**23 07 37 04.3–.38**	**46.16N–.05**	**151.93E–.04**	**46–2**	**4.9b,4.3s**	**1114**	**3-153**
NIED	IV	23 07 37 00	46.10N	152.40E	47	4.8W,4.3s		¶13439008
JMA	IV	23 07 37 00.9–.70	46.13N	152.39E	30	5.2,4.3s		
BJI	IV	23 07 37 00.1	46.27N	152.43E	45	5.0b,4.9b		
ISCJB	IV	23 07 37 02.9–.41	46.17N–.03	151.88E–.02	45–4	4.9b,4.3s		
MOS	IV	23 07 37 03.9–.95	46.24N	151.91E	52	5.2b,4.1s		
SKHL	IV	23 07 37 03.4–.80	46.09N	152.31E	59–12	5.6b,5.6s		
IDC	IV	23 07 37 03.1–3.2	46.25N	151.87E	33–23	4.6L,4.6		
NEIC	IV	23 07 37 04.7–.48	46.21N	151.84E	46–4	5.0b,4.6		
GCMT	IV	23 07 37 07.4–.30	46.21N	152.04E	38–1	4.9W,4.6		
SZGRF	IV	23 07 37 14.9	48.08N	151.43E	33	5.2b,4.2s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s324.00000°,δ86.00000°,λ41.00000°. NP2:ϕ_s231.00000°,δ49.00000°,λ175.00000°. $M_0$1.76000×10^{16}
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.2km az=169.0.
MOS Error ellipse: s-maj=6.4km s-min=4.1km az=97.2.
IDC Error ellipse: s-maj=14.8km s-min=9.8km az=151.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=2.5km az=166.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c35; s52,c63; Moment tensor: Scale 10^{16}Nm; M_{rr}2.42±.16 $M_{\theta\theta}$-1.03±.13; $M_{\phi\phi}$-1.39±.12; $M_{r\theta}$0.89±.14; $M_{\theta\phi}$-1.46±.08; $M_{\phi r}$1.53±.10; Best double couple: NP1:ϕ_s229.00000°,δ28.00000°,λ103.00000°. NP2:ϕ_s35.00000°,δ62.00000°,λ83.00000°. Principal axes: T 3.0000,Plg72.0000° ,Azm289.0000°; N 0.2300,Plg6.0000°,Azm38.0000°; P -3.2200,Plg17.0000°,Azm130.0000° $M_0$3.10000×10^{16}
SZGRF Kuril Islands, Russia.

ISC	**IV**	**23 12 11 13.0–.78**	**46.3N–.10**	**152.59E–.09**	**98–4**	**4.0b**	**84**	**3-115**
NIED	IV	23 12 11 00	46.50N	153.00E	14	4.2W		¶13439015
JMA	IV	23 12 11 06.2–.70	46.52N	152.97E	30	4.9		
MOS	IV	23 12 11 08.7–1.0	46.94N	152.45E	56	4.3b		
IDC	IV	23 12 11 15.7–1.0	46.92N	152.41E	102–4	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s259.00000°,δ69.00000°,λ97.00000°. NP2:ϕ_s60.00000°,δ22.00000°,λ73.00000°. $M_0$2.30000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=6.9km az=-1.0.
MOS Error ellipse: s-maj=15.7km s-min=9.5km az=63.9.
IDC Error ellipse: s-maj=26.4km s-min=11.4km az=157.0.

IDC	**IV**	**23 14 07 45.0–5.5**	**47.75N**	**151.40E**	**56–101**	**3.2,3.1**		
								¶16153306

IDC Error ellipse: s-maj=252.9km s-min=36.2km az=132.0.

ISC	**IV**	**23 22 38 38.9–2.0**	**50.5N–.10**	**157.84E–.07**	**56**		**53**	**1-7**
MOS	IV	23 22 38 37.6–1.1	50.51N	157.97E	26	4.2b		¶14263022
KRSC	IV	23 22 38 39.4–.20	50.69N	157.90E	43–42	4.2L		
ISCJB	IV	23 22 38 40.4–.93	50.68N–.06	157.73E–.09	56	4.2L		

ISC Event type se.
KRSC Event type se.
ISCJB Event type se.

KRSC	**IV**	**24 00 19 22.9–1.8**	**50.23N**	**156.75E**	**215–64**	**3.8L**		
								¶14510108
KRSC	Event type se.							
ISC	**IV**	**24 23 05 09.1–.32**	**45.51N–.04**	**151.70E–.03**	**58–2**	**5.0b,4.1s**	**1144**	**3-151**
NIED	IV	24 23 05 00	45.60N	152.00E	20	4.7W,4.1s		¶12692666
ISCJB	IV	24 23 05 04.2–.71	45.52N–.03	151.76E–.02	29–5	4.9b,4.1s		
JMA	IV	24 23 05 04.1–.50	45.55N	152.00E	30	5.2,4.1s		
MOS	IV	24 23 05 05.7–.97	45.62N	151.81E	38	5.2b,4.0s		
SKHL	IV	24 23 05 05.3–.40	45.50N	152.11E	52–19	5.4b,4.7s		
BJI	IV	24 23 05 07.9	45.51N	151.68E	57	4.9b,4.7b		
NEIC	IV	24 23 05 09.7–.18	45.63N	151.72E	58	5.0b,4.7b		
IDC	IV	24 23 05 09.1–.51	45.59N	151.74E	57–4	4.5,4.5		
SZGRF	IV	24 23 05 13.9	47.33N	151.16E	33	5.2b,4.1s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s207.00000°,δ61.00000°,λ117.00000°. NP2:ϕ_s341.00000°,δ39.00000°,λ51.00000°. $M_0$1.17000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.0km az=169.6.
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=6.3km s-min=4.0km az=100.2.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.9km az=168.0.
IDC Error ellipse: s-maj=13.0km s-min=9.2km az=147.0.

SZGRF Kuril Islands, Russia.
IDC IV 24 23 06 17.3–3.1 47.33N 153.19E 81–28 4.1,3.9
¶16153353

IDC Error ellipse: s-maj=29.1km s-min=14.7km az=137.0.
ISC IV 25 09 42 37.2–.92 46.8N–.10 152.6E–.10 52 3.5b 35 5-72
JMA IV 25 09 42 33.9–.80 46.79N 152.96E 30 4.3 **¶12936168**
ISCJB IV 25 09 42 35.0–.71 46.7N–.10 152.8E–.10 52 3.7b
MOS IV 25 09 42 39.4–1.3 46.96N 152.66E 91 4.1b
IDC IV 25 09 42 40.1–2.8 46.81N 152.73E 81–25 3.5,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=10.0km s-min=9.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=20.0km s-min=5.3km az=141.0.
MOS Error ellipse: s-maj=21.6km s-min=12.2km az=59.8.
IDC Error ellipse: s-maj=25.6km s-min=15.2km az=126.0.
JMA IV 25 11 33 04.4–.30 44.06N 148.22E 0 3.6
¶15417893

JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
JMA IV 25 19 53 46.2–.10 43.15N 146.14E 48–1 2.8
¶15418003

JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC IV 28 05 16 59.8–5.0 46.64N 149.70E 0 3.8,3.5
¶16154582

IDC Error ellipse: s-maj=137.6km s-min=30.8km az=174.0.
KRSC IV 29 06 16 24.6–.80 50.60N 157.53E 42–41 3.5L
¶14510114

KRSC Event type se.
ISC IV 29 09 03 23.4–.75 48.92N–.08 155.6E–.10 10 3.6b 34 2-75
MOS IV 29 09 03 21.7–1.8 48.78N 155.73E 10 4.4b **¶12936437**
KRSC IV 29 09 03 22.1–1.1 48.62N 156.39E 10–10 4.3L
IDC IV 29 09 03 31.0–3.3 48.98N 155.51E 74–31 3.5,3.4
ISC Event type se.
MOS Error ellipse: s-maj=25.0km s-min=8.3km az=71.2.
KRSC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=13.9km az=140.0.
KRSC IV 29 19 36 09.2–1.9 48.24N 154.23E 216–76 3.8L
¶14510112

KRSC Event type se.
ISC IV 30 14 22 53.9–2.5 50.3N–.10 157.48E–.07 52 48 1-6
MOS IV 30 14 22 49.3–.44 50.00N 157.44E 66 4.3b **¶14264746**
KRSC IV 30 14 22 56.3–.60 50.54N 157.53E 53–66 4.2L
ISC Event type ke.
MOS Error ellipse: s-maj=46.8km s-min=13.2km az=84.8.
KRSC Event type se.
KRSC V 01 05 31 13.7–.70 49.68N 156.83E 5–5 4.1L
MOS V 01 05 31 13.7–1.5 49.68N 156.83E 5 4.3b **¶14264747**
KRSC Event type se.
MOS Error ellipse: s-maj=72.4km s-min=18.6km az=84.7.
KRSC V 01 06 24 16.7–1.0 50.20N 157.65E 42–42 3.7L
¶14784853

KRSC Event type se.
JMA V 01 11 57 06.1–.30 44.00N 147.99E 0 3.7
¶15419945

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC V 02 05 43 33.1–2.3 49.61N–.10 155.8E–.10 30–14 3.5b 34 1-76
MOS V 02 05 43 28.4–1.2 49.42N 155.87E 12 4.2b **¶13678219**
KRSC V 02 05 43 34.7–.80 49.72N 156.41E 5–5 4.0L
IDC V 02 05 43 36.9–4.6 49.67N 155.63E 66–42 3.3,3.1
ISC Event type se.
MOS Error ellipse: s-maj=36.3km s-min=9.9km az=73.4.
KRSC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=25.1km az=136.0.
KRSC V 02 08 22 38.9–.60 50.26N 157.28E 55–5 3.5L
¶14784864

KRSC Event type se.
ISC V 02 18 41 05.5–.51 46.49N–.06 153.31E–.05 60–2 4.5b,3.9s 309 4-148
NIED V 02 18 41 00 46.50N 153.70E 14 4.2W,3.9s **¶12747577**
BJI V 02 18 41 01.3 46.61N 153.65E 58 4.7b,4.6b
ISCJB V 02 18 41 01.8–.57 46.51N–.05 153.35E–.05 40–4 4.4b,3.8s
SKHL V 02 18 41 01.1–2.0 46.56N 153.75E 65–13 4.9b,3.9s
JMA V 02 18 41 01.3–.90 46.48N 153.68E 30 4.9,3.9s
NEIC V 02 18 41 04.5–.97 46.67N 153.19E 46–8 4.5b,3.9s
MOS V 02 18 41 05.8–.98 46.74N 153.06E 65 4.7b,3.9s
IDC V 02 18 41 06.7–2.7 46.83N 153.09E 55–24 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ59.00000°,λ53.00000°. NP2:ϕ_s222.00000°,δ46.00000°,λ135.00000°. $M_0$2.39000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.1km az=147.4.
JMA Error ellipse: s-maj=10.0km s-min=9.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.4km az=145.0.
MOS Error ellipse: s-maj=8.9km s-min=6.9km az=96.9.
IDC Error ellipse: s-maj=17.2km s-min=11.7km az=147.0.
ISC V 02 19 16 41.6–.92 44.13N–.07 147.40E–.07 109–7 4.1b 78 1-82
NIED V 02 19 16 00 44.00N 147.30E 92 3.8W **¶13439286**
ISCJB V 02 19 16 40.8–.55 44.15N–.06 147.39E–.07 116–4 4.1b
MOS V 02 19 16 42.0–1.2 44.42N 147.26E 117 4.3b
JMA V 02 19 16 43.2–.30 43.99N 147.34E 102–4 4.2
IDC V 02 19 16 44.6–2.3 44.48N 147.25E 121–19 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s54.00000°,δ78.00000°,λ116.00000°. NP2:ϕ_s169.00000°,δ28.00000°,λ27.00000°. $M_0$6.55000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=5.6km az=142.6.
MOS Error ellipse: s-maj=12.0km s-min=9.1km az=100.6.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=32.3km s-min=11.9km az=166.0.
ISC V 03 02 59 18.5–3.0 49.8N–.10 156.77E–.08 2–12 33 1-6
MOS V 03 02 59 20.9–2.3 49.88N 156.98E 5 4.3b **¶14264750**
KRSC V 03 02 59 20.9–1.0 49.88N 156.98E 5–5 4.2L
ISC Event type se.
MOS Error ellipse: s-maj=59.6km s-min=18.8km az=87.1.
KRSC Event type se.
ISC V 03 08 18 40.9–.77 49.47N–.06 156.65E–.06 54–5 4.1b 100 1-78
BJI V 03 08 18 39.5 49.40N 156.10E 50 4.7s,4.6b **¶12754063**
KRSC V 03 08 18 43.2–1.1 49.80N 157.33E 10–10 4.6L,4.6b
MOS V 03 08 18 43.0–.97 49.72N 156.71E 122 3.9b,4.6b
IDC V 03 08 18 46.7–2.2 49.83N 156.11E 102–18 3.8,3.6
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=15.2km s-min=7.2km az=79.1.
IDC Error ellipse: s-maj=22.2km s-min=11.7km az=148.0.
KRSC V 03 16 44 45.0–.60 49.93N 154.06E 292–48 3.9L
¶14784879

KRSC Event type se.
KRSC V 03 23 43 22.4–1.3 48.83N 155.51E 10–10 3.7L
¶14784880

KRSC Event type se.
ISC V 04 02 22 33.7–.48 46.33N–.07 150.08E–.06 162 4.0b 112 2-150
ISCJB V 04 02 22 32.3–.37 46.44N–.05 150.07E–.08 162 4.0b **¶12793944**
MOS V 04 02 22 34.1–1.1 46.60N 149.98E 174 3.9b
BJI V 04 02 22 34.7 46.57N 150.16E 187 4.9b,4.6b
IDC V 04 02 22 36.3–1.8 46.53N 150.01E 184–17 3.7,3.7
JMA V 04 02 22 37.6–.50 45.55N 150.28E 169 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=4.3km az=44.9.
MOS Error ellipse: s-maj=12.0km s-min=8.3km az=72.9.
IDC Error ellipse: s-maj=14.0km s-min=9.2km az=153.0.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
ISC V 04 03 27 03.3–.49 45.77N–.09 151.80E–.06 48 4.4b 222 3-151
IDC V 04 03 26 57.6–.56 46.06N 151.61E 0 4.2,4.2 **¶12756888**
NIED V 04 03 27 00 46.00N 151.90E 41 4.4W,4.2
JMA V 04 03 27 01.2–.80 45.99N 151.91E 30 4.9,4.2
ISCJB V 04 03 27 01.1–.41 45.65N–.07 151.86E–.07 48 4.4b,4.2
MOS V 04 03 27 02.6–.94 46.10N 151.63E 44 4.7b,4.2
NEIC V 04 03 27 05.1–.64 46.02N 151.69E 56–5 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=12.0km az=154.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ79.00000°,λ-31.00000°. NP2:ϕ_s224.00000°,δ60.00000°,λ-167.00000°. $M_0$4.48000×10^{15}
JMA Error ellipse: s-maj=7.8km s-min=7.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=2.9km az=144.5.
MOS Error ellipse: s-maj=10.8km s-min=7.4km az=75.4.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.5km az=148.0.
JMA V 04 05 55 02.4–.30 44.03N 147.94E 0 3.5
¶15421242

JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
KRSC V 04 06 29 17.3–.60 49.27N 156.34E 5–5 3.9L
¶14784888

KRSC Event type se.
ISC V 04 17 57 25.8–1.3 45.0N–.10 148.6E–.10 146–9 3.7b 51 1-79
ISCJB V 04 17 57 24.2–.96 45.15N–.08 148.7E–.10 140–6 3.7b **¶12793952**
MOS V 04 17 57 25.3–1.3 45.21N 148.58E 149 3.9b
IDC V 04 17 57 28.1–2.8 45.37N 148.30E 145–30 3.6,3.5b
JMA V 04 17 57 29.1–.60 44.75N 148.44E 140 4.2,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=9.7km az=37.8.
MOS Error ellipse: s-maj=15.4km s-min=10.4km az=67.7.
IDC Error ellipse: s-maj=46.3km s-min=21.0km az=158.0.
JMA Error ellipse: s-maj=3.3km s-min=5.5km az=-1.0.
KRSC V 04 21 41 52.7–1.4 50.27N 157.67E 43–42 3.8L
¶14784889

KRSC Event type se.
IDC V 05 06 35 50.3–2.9 46.43N 152.25E 72–25 3.7,3.5
¶16154921

IDC Error ellipse: s-maj=46.9km s-min=15.3km az=158.0.
KRSC V 05 14 35 17.9–1.3 48.80N 155.33E 10–10 3.5L
¶14784923

KRSC Event type se.
IDC V 05 23 02 52.1–17 44.16N 148.76E 0 3.9,3.6
¶16154942

IDC Error ellipse: s-maj=491.3km s-min=37.4km az=167.0.
KRSC V 06 15 20 02.3–1.2 49.86N 156.87E 5–5 3.8L
¶14784954

KRSC Event type se.
KRSC V 06 22 11 56.2–1.2 50.02N 156.95E 99–100 3.8L
¶14784955

KRSC Event type se.
JMA V 07 06 05 32.3–.20 43.93N 147.79E 0 3.8
¶15422508

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC V 07 09 26 49.9–.70 49.74N–.07 156.22E–.06 88–5 3.9b 72 1-78
MOS V 07 09 26 48.6–1.3 49.75N 156.21E 93 3.7b **¶13678489**
KRSC V 07 09 26 49.4–1.1 49.79N 156.92E 10–10 4.1L
ISCJB V 07 09 26 49.4–.70 49.77N–.06 156.14E–.08 97–6 3.8b
IDC V 07 09 26 50.4–.80 49.75N 156.10E 87–7 3.6,3.6
ISC Event type se.
MOS Error ellipse: s-maj=15.4km s-min=8.3km az=67.2.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=5.6km az=140.3.
IDC Error ellipse: s-maj=20.9km s-min=12.2km az=155.0.
KRSC V 08 05 05 44.4–1.2 49.63N 156.81E 5–5 4.0L
MOS V 08 05 05 44.4–.67 49.63N 156.81E 6 4.2b **¶14264754**
KRSC Event type se.
MOS Error ellipse: s-maj=64.0km s-min=18.5km az=85.8.
ISC V 09 07 18 53.8–1.0 49.57N–.09 156.40E–.08 57 3.3b 49 1-74
IDC V 09 07 18 46.5–2.1 49.29N 156.28E 0 3.7,3.6L **¶13678599**
KRSC V 09 07 18 52.8–.30 49.77N 156.86E 5–5 4.4L,3.6L
MOS V 09 07 18 52.0–1.7 49.64N 156.18E 57 4.0b,3.6L
ISCJB V 09 07 18 53.5–.90 49.62N–.06 156.6E–.10 57 3.4b,3.6L
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC V 09 14 55 03.2–.52 47.58N–.08 151.86E–.06 124 4.3b 207 4-149
SZGRF V 09 14 55 00.6 48.85N 152.02E 33 4.8b **¶13439444**
ISCJB V 09 14 55 01.7–.45 47.57N–.07 151.93E–.07 124 4.3b
BJI V 09 14 55 03.6 47.50N 152.00E 132 4.5b,4.4b
MOS V 09 14 55 05.7–1.2 47.76N 151.72E 150 4.2b,4.4b
NEIC V 09 14 55 06.3–1.0 47.63N 151.89E 149–8 4.4b,4.4b
IDC V 09 14 55 06.9–.73 47.48N 152.09E 171–6 3.8,3.7
ISC Event type se.
SZGRF Kuril Islands, Russia.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.2km az=150.9.
MOS Error ellipse: s-maj=10.7km s-min=6.1km az=92.3.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=7.7km az=131.0.
IDC Error ellipse: s-maj=13.2km s-min=8.5km az=148.0.
KRSC V 10 05 44 08.8–.70 49.67N 156.78E 5–5 3.8L
¶14785023

KRSC Event type se.
ISC V 10 13 20 43.8–.78 47.7N–.10 154.1E–.10 31 3.8b 29 3-78
ISCJB V 10 13 20 41.8–.61 47.68N–.08 154.1E–.10 31 3.8b,3.4s **¶13678680**
MOS V 10 13 20 42.4–.98 47.64N 154.08E 36 4.0b,3.4s
IDC V 10 13 20 45.2–2.7 47.66N 154.03E 44–25 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.7km s-min=5.8km az=39.3.
MOS Error ellipse: s-maj=19.1km s-min=9.3km az=68.4.
IDC Error ellipse: s-maj=23.1km s-min=14.2km az=137.0.
ISC V 11 01 21 06.7–.46 46.08N–.05 152.11E–.04 41–2 4.7b,3.7s 494 3-153
NIED V 11 01 21 00 46.10N 152.30E 35 4.4W,3.7s **¶13439487**
BJI V 11 01 21 04.0 46.05N 152.19E 39 4.8b,4.6b
JMA V 11 01 21 04.9–.70 46.06N 152.32E 30 4.9,4.6b
ISCJB V 11 01 21 06.0–.51 46.09N–.04 151.99E–.04 49–4 4.6b,3.7s
MOS V 11 01 21 05.4–.89 46.14N 151.99E 43 5.1b,3.7s
NEIC V 11 01 21 06.4–.22 46.20N 151.92E 35 4.8b,3.7s
SKHL V 11 01 21 06.6–.50 46.09N 152.29E 60–7 5.0b,3.8s
IDC V 11 01 21 07.2–2.6 46.22N 151.92E 42–23 4.3,4.2
SZGRF V 11 01 21 13.3 47.76N 152.29E 33 4.8b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ70.00000°,λ-29.00000°. NP2:ϕ_s228.00000°,δ63.00000°,λ-158.00000°. $M_0$5.26000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.4km az=148.4.
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=97.4.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=152.0.
IDC Error ellipse: s-maj=16.2km s-min=10.8km az=156.0.
SZGRF Kuril Islands, Russia.
ISC V 11 10 05 07.2–.89 48.1N–.10 155.1E–.10 33 3.6b 39 3-78
KRSC V 11 10 05 06.2–2.8 47.95N 156.30E 10–10 4.1L **¶13678744**
MOS V 11 10 05 07.3–1.4 48.33N 154.56E 59 4.0b
IDC V 11 10 05 11.6–3.0 48.39N 154.22E 79–27 3.5,3.3
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=25.1km s-min=9.9km az=63.5.
IDC Error ellipse: s-maj=33.4km s-min=18.2km az=141.0.
ISC V 12 12 25 49.3–.54 45.81N–.06 151.76E–.05 48–4 4.3b,4.0s 217 3-153
NIED V 12 12 25 00 45.80N 151.80E 32 4.2W,4.0s **¶12818791**
ISCJB V 12 12 25 46.9–.59 45.83N–.05 151.68E–.06 41–5 4.3b,3.8s
SKHL V 12 12 25 47.1–.90 45.98N 151.74E 55–25 4.7b,3.8s
MOS V 12 12 25 47.9–.86 46.02N 151.62E 45 4.6b,3.8s
NEIC V 12 12 25 48.8–.32 46.02N 151.59E 35 4.6b,3.8s
IDC V 12 12 25 48.4–.65 45.95N 151.54E 35–5 4.1,4.0
JMA V 12 12 25 48.1–.70 45.83N 151.83E 30 4.7,4.0
BJI V 12 12 25 50.0 45.66N 151.65E 63 4.7b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s131.00000°,δ76.00000°,λ-26.00000°. NP2:ϕ_s227.00000°,δ64.00000°,λ-164.00000°. $M_0$2.48000×10^{15}

ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.9km az=145.2.
MOS Error ellipse: s-maj=10.2km s-min=7.2km az=75.5.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.8km az=142.0.
IDC Error ellipse: s-maj=14.3km s-min=10.5km az=137.0.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.

ISC	**V**	**12 15 41 55.7–.86**	**48.1N–.10**	**153.1E–.10**	**128**	**3.8b**	**20**	**3-73**
MOS	V	12 15 41 53.6–1.2	48.11N	152.98E	121	4.1b		**¶13678823**
ISCJB	V	12 15 41 54.2–.67	48.1N–.10	153.0E–.20	128	3.7b		
IDC	V	12 15 41 56.6–2.5	48.10N	152.91E	130–23	3.7,3.4		

ISC Event type ke.
MOS Error ellipse: s-maj=27.8km s-min=12.5km az=62.9.
ISCJB Event type ke. Error ellipse: s-maj=21.4km s-min=6.0km az=138.1.
IDC Error ellipse: s-maj=22.5km s-min=13.6km az=153.0.

ISC	**V**	**13 23 29 48.2–.64**	**44.09N–.07**	**146.31E–.05**	**107–5**	**3.8b**	**70**	**0-154**
NIED	V	13 23 29 00	44.10N	146.40E	110	4.0W		**¶13678907**
ISCJB	V	13 23 29 47.7–.40	44.08N–.05	146.31E–.06	116–3	3.7b		
MOS	V	13 23 29 47.5–1.0	44.19N	146.20E	116	4.3b		
JMA	V	13 23 29 48.8–.10	44.06N	146.40E	98–2	3.8		
IDC	V	13 23 29 51.0–1.5	44.43N	146.09E	119–13	3.6,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ76.00000°,λ105.00000°. NP2:ϕ_s326.00000°,δ21.00000°,λ44.00000°. $M_0$9.79000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.1km az=149.3.
MOS Error ellipse: s-maj=12.8km s-min=9.3km az=58.2.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=28.5km s-min=11.4km az=167.0.

KRSC	**V**	**14 03 31 00.1–.90**	**49.37N**	**156.31E**	**5–5**	**3.7L**	
							¶14785082

KRSC Event type se.

JMA	**V**	**14 16 57 35.1–.20**	**43.70N**	**147.25E**	**28**	**3.6**	
							¶15425182

JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

JMA	**V**	**15 00 46 56.5–.30**	**43.40N**	**147.64E**	**3**	**3.5**	
							¶15425303

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

ISC	**V**	**15 12 25 28.2–1.9**	**50.4N–.20**	**156.6E–.20**	**48–28**		**23**	**0-19**
ISCJB	V	15 12 25 27.9–1.4	50.4N–.20	156.6E–.30	62–15			**¶14264760**
MOS	V	15 12 25 28.7–1.3	50.80N	155.92E	57	4.2b		
KRSC	V	15 12 25 28.9–1.1	50.41N	157.71E	5–5	4.3L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=42.9km s-min=7.1km az=39.6.
MOS Error ellipse: s-maj=37.6km s-min=12.7km az=66.1.
KRSC Event type se.

ISC	**V**	**15 12 28 54.6–1.8**	**49.6N–.10**	**156.5E–.10**	**75–14**	**3.9b**	**44**	**1-78**
IDC	V	15 12 28 52.5–3.5	50.00N	154.88E	0	3.9,3.8		**¶13678993**
KRSC	V	15 12 28 53.8–1.6	49.45N	157.55E	30–30	4.1L,3.8		
MOS	V	15 12 28 55.4–1.6	49.93N	155.93E	70	4.4b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=76.8km s-min=24.7km az=130.0.
KRSC Event type se.
MOS Error ellipse: s-maj=21.6km s-min=9.8km az=68.4.

JMA	**V**	**15 20 03 31.5–.30**	**43.38N**	**147.62E**	**5**	**3.7**	
							¶15425576

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

ISC	**V**	**16 07 08 08.5–.73**	**47.2N–.20**	**153.0E–.10**	**56**	**3.5b**	**18**	**4-77**
ISCJB	V	16 07 08 06.2–.64	47.1N–.10	153.1E–.20	56	3.6b		**¶13679043**
IDC	V	16 07 08 07.8–1.1	47.10N	152.64E	62–8	3.6,3.4		
MOS	V	16 07 08 07.6–1.4	47.22N	152.77E	77	4.2b,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=7.3km az=143.3.
IDC Error ellipse: s-maj=30.7km s-min=20.4km az=127.0.
MOS Error ellipse: s-maj=36.7km s-min=13.6km az=62.5.

KRSC	**V**	**16 16 36 39.5–1.2**	**49.94N**	**156.79E**	**5–5**	**3.7L**		
								¶14785111

KRSC Event type se.

ISC	**V**	**16 20 05 30.6–.93**	**44.28N–.05**	**148.90E–.07**	**45–7**	**4.2b**	**141**	**1-116**
NIED	V	16 20 05 00	44.60N	149.00E	23	4.2W		**¶13065855**
JMA	V	16 20 05 27.6–.60	44.57N	149.05E	30	4.9		
MOS	V	16 20 05 28.3–1.5	44.33N	148.91E	40	4.4b		
ISCJB	V	16 20 05 28.6–.75	44.20N–.04	148.95E–.06	44–6	4.7s,4.1b		
SZGRF	V	16 20 05 31.0	44.63N	149.89E	33	4.7s,4.1b		
SKHL	V	16 20 05 31.4–1.4	44.38N	148.91E	38–5	4.9b,4.1b		
IDC	V	16 20 05 32.0–2.4	44.41N	148.72E	51–21	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ64.00000°,λ66.00000°. NP2:ϕ_s220.00000°,δ35.00000°,λ130.00000°. $M_0$2.45000×10^{15}
JMA Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
MOS Error ellipse: s-maj=9.5km s-min=6.9km az=93.7.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.7km az=44.5.
SZGRF Kuril Islands, Russia.
IDC Error ellipse: s-maj=17.1km s-min=12.7km az=130.0.

ISC	**V**	**17 02 43 07.0–.68**	**46.6N–.10**	**153.08E–.09**	**40**	**3.9b,3.5s**	**75**	**4-81**
NIED	V	17 02 43 00	47.00N	153.00E	5	4.3W,3.5s		**¶13184009**
JMA	V	17 02 43 04.8–.80	46.99N	152.97E	30	4.7,3.5s		
ISCJB	V	17 02 43 05.7–.48	46.67N–.08	152.97E–.09	40	3.9b,3.5s		
MOS	V	17 02 43 06.1–1.3	46.73N	153.03E	44	4.2b,3.5s		
SKHL	V	17 02 43 07.5–.30	46.81N	153.13E	58–19	5.2s,5.1b		
IDC	V	17 02 43 09.9–2.8	46.77N	152.84E	60–25	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ80.00000°,λ62.00000°. NP2:ϕ_s288.00000°,δ29.00000°,λ160.00000°. $M_0$3.25000×10^{15}
JMA Error ellipse: s-maj=10.0km s-min=8.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=4.0km az=141.1.
MOS Error ellipse: s-maj=12.9km s-min=7.6km az=65.9.
IDC Error ellipse: s-maj=20.3km s-min=12.9km az=142.0.

ISC	**V**	**17 06 52 24.8–1.3**	**49.7N–.20**	**154.9E–.10**	**226–8**	**3.2b**	**44**	**1-66**
MOS	V	17 06 52 24.5–1.9	49.83N	154.45E	214	4.1b		**¶13679102**
KRSC	V	17 06 52 25.7–.50	49.66N	155.23E	213–36	4.0L		
IDC	V	17 06 52 28.5–2.4	50.23N	153.97E	210–23	3.2,3.1		

ISC Event type se.
MOS Error ellipse: s-maj=35.5km s-min=9.3km az=63.8.
KRSC Event type se.
IDC Error ellipse: s-maj=64.1km s-min=20.2km az=147.0.

ISC	**V**	**17 21 34 31.0–.79**	**50.35N–.09**	**156.15E–.09**	**140–7**	**3.5b**	**66**	**0-74**
MOS	V	17 21 34 29.0–.82	50.25N	156.11E	135	4.2b		**¶13679140**
ISCJB	V	17 21 34 30.4–.70	50.35N–.09	156.1E–.10	146–6	3.5b		
KRSC	V	17 21 34 31.8–.40	50.40N	156.58E	144–35	4.1L		
IDC	V	17 21 34 32.8–1.5	50.62N	155.58E	153–14	3.5,3.3		

ISC Event type se.
MOS Error ellipse: s-maj=35.6km s-min=7.8km az=65.4.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=7.3km az=139.1.
KRSC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=10.0km az=145.0.

ISC	**V**	**18 08 09 57.3–.71**	**45.2N–.10**	**147.95E–.09**	**153–6**	**3.4b**	**66**	**0-81**
ISCJB	V	18 08 09 56.4–.42	45.25N–.10	148.0E–.10	151–4	3.4b		**¶13679165**
MOS	V	18 08 09 56.9–1.2	45.67N	147.65E	146	3.9b		
IDC	V	18 08 09 59.2–2.2	45.72N	147.60E	149–21	3.4,3.3		
JMA	V	18 08 09 59.9–.70	44.95N	148.01E	137	3.9,3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=3.7km az=139.1.
MOS Error ellipse: s-maj=28.4km s-min=12.3km az=56.5.
IDC Error ellipse: s-maj=34.5km s-min=14.1km az=158.0.
JMA Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.

ISC	**V**	**18 22 04 38.1–.69**	**44.17N–.05**	**147.90E–.05**	**89–5**	**4.2b**	**196**	**1-149**
ISCJB	V	18 22 04 37.8–.52	44.20N–.04	147.83E–.06	98–3	4.2b		**¶13439698**
BJI	V	18 22 04 37.4	44.52N	148.17E	112	4.9b,4.4b		
IDC	V	18 22 04 38.7–2.0	44.30N	147.74E	91–18	4.1,4.1		
MOS	V	18 22 04 38.0–1.4	44.31N	147.77E	105	4.4b,4.1		
NEIC	V	18 22 04 38.6–.76	44.29N	147.80E	90–7	4.4b,4.1		
SKHL	V	18 22 04 40.1–1.4	44.17N	147.81E	81–30	6.1s,6.1b		
JMA	V	18 22 04 40.2–.20	43.95N	147.80E	85	4.6,6.1b		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.5km az=136.1.
IDC Error ellipse: s-maj=14.5km s-min=11.7km az=128.0.
MOS Error ellipse: s-maj=9.6km s-min=7.2km az=101.3.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=6.4km az=141.0. Recorded [1 JMA] in eastern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

KRSC	**V**	**18 22 57 42.6–1.5**	**49.27N**	**155.99E**	**10–10**	**4.0L**	
							¶14785142

KRSC Event type se.

ISC	**V**	**19 12 40 44.5–1.2**	**44.9N–.10**	**146.9E–.10**	**142**		**17**	**2-69**
IDC	V	19 12 40 31.9–1.8	43.66N	148.21E	0	3.6L,3.5		**¶13679236**
ISCJB	V	19 12 40 44.9–1.1	44.9N–.10	147.0E–.20	142	3.0b,3.5		
JMA	V	19 12 40 46.5–.60	44.82N	146.85E	159	2.9,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=45.5km s-min=36.7km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=24.2km s-min=9.2km az=38.4.
JMA Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.

ISC	**V**	**19 19 46 29.3–.80**	**48.25N–.05**	**154.29E–.06**	**59–7**	**4.4b**	**293**	**3-148**
SKHL	V	19 19 46 23.6–.90	47.93N	155.36E	73–7	5.0b		**¶13193043**
MOS	V	19 19 46 25.2–1.1	48.21N	154.19E	34	4.7b		
ISCJB	V	19 19 46 27.2–.45	48.19N–.04	154.35E–.06	54–4	4.3b,3.2s		
KRSC	V	19 19 46 28.5–1.4	48.14N	155.51E	5–5	4.8L,3.2s		
NEIC	V	19 19 46 29.5–.93	48.24N	154.03E	57–8	4.4b,3.2s		
IDC	V	19 19 46 32.3–2.4	48.36N	154.08E	80–21	4.1,4.0		

ISC Event type se.
MOS Error ellipse: s-maj=10.4km s-min=5.8km az=82.7.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=2.6km az=41.2.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.9km az=132.0.
IDC Error ellipse: s-maj=14.3km s-min=9.9km az=143.0.

ISC	**V**	**20 04 44 31.0–.97**	**44.5N–.10**	**146.51E–.09**	**162–10**	**3.2b**	**25**	**1-83**
IDC	V	20 04 44 29.9–6.6	44.61N	146.68E	144–73	3.5,3.2		**¶13679283**
MOS	V	20 04 44 29.9–1.0	44.65N	146.50E	164	3.9b,3.2		
ISCJB	V	20 04 44 30.3–.69	44.5N–.10	146.5E–.10	169–8	3.1b,3.2		
JMA	V	20 04 44 31.7–.50	44.54N	146.49E	156–4	3.3,3.2		

ISC Event type ke.
IDC Error ellipse: s-maj=98.6km s-min=21.7km az=120.0.
MOS Error ellipse: s-maj=72.0km s-min=33.6km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=13.6km az=161.1.
JMA Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.

JMA	**V**	**20 06 52 42.9–.30**	**43.53N**	**147.86E**	**3**	**3.9**	
							¶15427030

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

JMA	**V**	**21 04 25 45.5–.40**	**44.02N**	**147.92E**	**0**	**3.9**	
							¶15427439

JMA Error ellipse: s-maj=4.4km s-min=3.2km az=-1.0.

ISC	**V**	**21 12 19 16.0–1.0**	**44.21N–.06**	**148.32E–.07**	**67–8**	**3.8b**	**71**	**1-115**
NIED	V	21 12 19 00	44.10N	148.20E	83	3.8W		**¶13679365**
IDC	V	21 12 19 17.4–2.5	44.41N	148.07E	78–23	3.7,3.6		
ISCJB	V	21 12 19 17.1–.75	44.29N–.05	148.16E–.08	96–6	3.7b,3.6		
MOS	V	21 12 19 17.3–1.3	44.34N	148.11E	100	4.4b,3.6		
JMA	V	21 12 19 18.8–.30	44.12N	148.16E	86	4.6,3.6		
SKHL	V	21 12 19 19.4–.70	44.34N	148.14E	82–1	5.8s,5.1b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s157.00000°,δ55.00000°,λ-102.00000°. NP2:ϕ_s358.00000°,δ36.00000°,λ-73.00000°. $M_0$6.58000×10^{14}
IDC Error ellipse: s-maj=20.5km s-min=14.8km az=136.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=5.8km az=38.6.
MOS Error ellipse: s-maj=13.9km s-min=9.5km az=57.0.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

ISC	**V**	**22 13 31 30.5–.35**	**46.51N–.05**	**152.75E–.03**	**50–2**	**4.7b,4.0s**	**505**	**4-154**
NIED	V	22 13 31 00	46.50N	153.00E	14	4.5W,4.0s		**¶13193085**
ISCJB	V	22 13 31 27.9–.47	46.51N–.04	152.73E–.04	41–4	4.7b,4.0s		
JMA	V	22 13 31 27.7–.70	46.55N	153.02E	30	5.0,4.0s		
BJI	V	22 13 31 29.1	46.48N	152.72E	52	4.8b,4.7b		
NEIC	V	22 13 31 30.6–.20	46.59N	152.61E	49	4.7b,4.7b		
SKHL	V	22 13 31 30.2–1.5	46.72N	153.00E	64–9	6.0b,5.7s		
IDC	V	22 13 31 30.9–.47	46.64N	152.62E	50–4	4.3,4.3		
MOS	V	22 13 31 31.1–1.1	46.60N	152.63E	68	5.0b,4.3		
SZGRF	V	22 13 31 40.1	48.50N	151.20E	33	5.0b,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s328.00000°,δ82.00000°,λ58.00000°. NP2:ϕ_s225.00000°,δ33.00000°,λ164.00000°. $M_0$6.40000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.1km az=153.4.
JMA Error ellipse: s-maj=6.7km s-min=6.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=155.0.
IDC Error ellipse: s-maj=13.2km s-min=10.4km az=140.0.
MOS Error ellipse: s-maj=7.9km s-min=5.1km az=101.9.
SZGRF Kuril Islands, Russia.

KRSC	**V**	**23 18 37 07.5–1.8**	**50.03N**	**156.82E**	**5–5**	**3.6L**		
								¶14785230

KRSC Event type se.

KRSC	**V**	**23 20 35 06.5–1.3**	**50.06N**	**156.95E**	**5–5**	**3.7L**		
								¶14785231

KRSC Event type se.

ISC	**V**	**23 23 12 43.2–.93**	**47.3N–.20**	**153.0E–.20**	**66**	**3.9b**	**12**	**4-77**
ISCJB	V	23 23 12 41.3–.76	47.3N–.10	153.0E–.20	66	3.6b		**¶13679501**
MOS	V	23 23 12 41.9–1.6	47.22N	152.92E	71	4.0b		
IDC	V	23 23 12 45.8–3.5	47.20N	152.72E	90–32	3.4,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.5km s-min=8.0km az=139.2.
MOS Error ellipse: s-maj=37.7km s-min=13.4km az=62.7.
IDC Error ellipse: s-maj=31.3km s-min=18.4km az=123.0.

KRSC	**V**	**25 23 31 15.9–1.0**	**50.06N**	**156.49E**	**5–5**	**3.6L**		
								¶14785264

KRSC Event type se.

KRSC	**V**	**26 10 56 17.2–1.6**	**49.52N**	**156.51E**	**5–5**	**3.6L**		
								¶14785279

KRSC Event type se.

KRSC	**V**	**27 05 06 24.9–.70**	**50.52N**	**156.99E**	**103–7**	**3.6L**		
								¶14785289

KRSC Event type se.

ISC	**V**	**28 18 49 18.9–.63**	**46.48N–.08**	**152.43E–.08**	**52**	**3.8b**	**65**	**3-78**
NIED	V	28 18 49 00	46.70N	152.40E	32	3.9W		**¶13439812**
ISCJB	V	28 18 49 17.3–.53	46.57N–.08	152.34E–.10	52	3.7b		
JMA	V	28 18 49 17.3–.80	46.74N	152.37E	30	4.5		
IDC	V	28 18 49 20.7–.75	46.57N	152.22E	71–6	3.7,3.6		
MOS	V	28 18 49 20.8–1.1	46.65N	152.20E	87	4.3b,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s307.00000°,δ85.00000°,λ28.00000°. NP2:ϕ_s215.00000°,δ63.00000°,λ174.00000°. $M_0$6.70000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=3.7km az=139.0.
JMA Error ellipse: s-maj=8.9km s-min=9.1km az=-1.0.
IDC Error ellipse: s-maj=18.1km s-min=13.4km az=138.0.
MOS Error ellipse: s-maj=13.8km s-min=8.7km az=65.3.

ISC	**V**	**29 20 45 04.0–1.3**	**46.2N–.20**	**152.0E–.10**	**48**	**3.6b**	**22**	**3-83**
IDC	V	29 20 44 57.6–1.9	46.31N	151.99E	0	3.9,3.7		**¶16160057**
MOS	V	29 20 45 01.3–.82	46.23N	151.96E	40	4.3b,3.7		
ISCJB	V	29 20 45 02.2–1.1	46.2N–.20	152.0E–.20	48	3.7b,3.7		

ISC Event type ke.
ISCJB Event type ke.

KRSC	**VI**	**01 07 41 56.2–2.3**	**48.01N**	**155.78E**	**10–10**	**4.0L**		
MOS	VI	01 07 41 56.2–1.1	48.01N	155.78E	10	4.2b		**¶14775850**

KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=19.3km az=74.9.

KRSC	**VI**	**01 11 59 36.6–1.5**	**49.51N**	**156.24E**	**5–5**	**3.5L**		
								¶14775851

KRSC Event type se.

ISC	**VI**	**01 15 59 04.5–.58**	**48.23N–.09**	**151.83E–.08**	**200**	**3.7b**	**40**	**4-78**
ISCJB	VI	01 15 59 03.0–.43	48.25N–.07	151.85E–.10	200	3.5b		**¶13680115**

MOS VI 01 15 59 03.6–.85 48.25N 151.80E 210 3.7b
IDC VI 01 15 59 04.3–1.9 48.27N 151.76E 196–18 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=5.0km az=138.7.
MOS Error ellipse: s-maj=16.7km s-min=8.8km az=64.3.
IDC Error ellipse: s-maj=14.9km s-min=9.2km az=150.0.
ISC VI 01 21 22 23.7–.44 46.26N–.05 153.15E–.04 30–1 4.8b,4.5s 638 4-152
NIED VI 01 21 22 00 46.50N 153.20E 5 4.9W,4.5s **¶13439862**
IDC VI 01 21 22 19.4–.56 46.32N 153.09E 0 4.6,4.5
JMA VI 01 21 22 20.9–.70 46.54N 153.15E 30 4.8,4.5
BJI VI 01 21 22 20.8 46.47N 153.26E 29 5.0b,4.7b
NEIC VI 01 21 22 21.6–1.6 46.30N 152.98E 13–10 5.0b,4.7b
KRSC VI 01 21 22 21.2–2.4 46.13N 154.88E 10–10 5.0L,4.7b
MOS VI 01 21 22 21.8–1.1 46.43N 152.97E 22 5.0b,4.6s
SKHL VI 01 21 22 22.9–2.5 46.01N 153.58E 65–14 5.6s,5.5b
ISCJB VI 01 21 22 24.0–.21 46.41N–.04 153.00E–.03 38 4.7b,4.5s
GCMT VI 01 21 22 25.8–.30 46.28N 153.24E 19–0 4.9W,4.5s
SZGRF VI 01 21 22 36.1 47.93N 153.61E 50 4.9b,4.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s217.00000°,δ85.00000°,λ122.00000°. NP2:ϕ_s314.00000°,δ32.00000°,λ9.00000°. $M_0$2.56000×10^{16}
IDC Error ellipse: s-maj=17.8km s-min=11.1km az=160.0.
JMA Error ellipse: s-maj=10.0km s-min=7.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=2.7km az=162.0.
KRSC Event type se.
MOS Error ellipse: s-maj=6.9km s-min=4.2km az=97.6.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=2.2km az=151.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c43; s66,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}2.47±.14 $M_{\theta\theta}$-0.07±.11; $M_{\phi\phi}$-2.40±.10; $M_{r\theta}$-1.03±.25; $M_{\theta\phi}$-1.10±.07; $M_{\phi r}$1.29±.18; Best double couple: NP1:ϕ_s225.00000°,δ42.00000°,λ129.00000°. NP2:ϕ_s357.00000°,δ59.00000°,λ61.00000°. Principal axes: T 3.2800,Plg63.0000° ,Azm217.0000°; N -0.3100,Plg25.0000°,Azm13.0000°; P -2.9800,Plg10.0000° ,Azm108.0000° $M_0$3.10000×10^{16}
SZGRF Kuril Islands, Russia.
KRSC VI 02 08 42 18.7–.80 48.10N 155.91E 5–5 3.9L
¶14775854
KRSC Event type se.
KRSC VI 02 12 13 21.7–1.0 48.96N 155.93E 5–5 3.7L
¶14775855
KRSC Event type se.
JMA VI 03 13 58 18.3–.50 45.21N 148.56E 30 3.5
¶15432235
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
KRSC VI 04 00 01 19.8–.90 48.67N 155.85E 10–10 4.1L
¶14775893
KRSC Event type se.
ISC VI 04 10 09 22.6–1.5 49.6N–.20 154.0E–.30 250 26 2-75
IDC VI 04 10 09 17.2–10 48.71N 154.18E 165–158 3.2L,3.1 **¶13680455**
KRSC VI 04 10 09 19.2–.60 49.45N 153.96E 281–30 4.0L,3.1
MOS VI 04 10 09 19.0–1.0 49.88N 152.84E 245 4.2b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=308.6km s-min=51.0km az=141.0.
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=16.1km az=57.1.
ISC VI 04 10 23 17.8–.53 43.79N–.05 147.37E–.05 46–4 4.0b 92 1-152
NIED VI 04 10 23 00 43.70N 147.30E 50 4.1W **¶12952827**
MOS VI 04 10 23 16.5–1.1 43.76N 147.40E 53 4.3b
JMA VI 04 10 23 17.7–.20 43.65N 147.27E 29 4.3
ISCJB VI 04 10 23 17.1–.70 43.77N–.05 147.36E–.06 55–6 4.0b,3.1s
IDC VI 04 10 23 17.9–.53 43.83N 147.31E 45–4 3.9,3.9
SKHL VI 04 10 23 18.9–.10 43.85N 147.50E 67–13 4.8b,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s182.00000°,δ70.00000°,λ59.00000°. NP2:ϕ_s62.00000°,δ37.00000°,λ144.00000°. $M_0$1.45000×10^{15}
MOS Error ellipse: s-maj=11.9km s-min=8.3km az=78.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.9km az=138.9.
IDC Error ellipse: s-maj=16.1km s-min=11.1km az=150.0.
ISC VI 04 13 26 14.3–.60 44.57N–.05 148.68E–.06 61–5 3.8b 103 1-150
NIED VI 04 13 26 00 44.80N 148.60E 53 3.8W **¶12952829**
JMA VI 04 13 26 13.8–.50 44.84N 148.61E 30 4.7
ISCJB VI 04 13 26 14.7–.66 44.55N–.05 148.57E–.07 82–6 3.8b
MOS VI 04 13 26 14.4–.87 44.79N 148.52E 73 4.3b
IDC VI 04 13 26 14.8–.75 44.79N 148.40E 58–6 3.8,3.8
SKHL VI 04 13 26 15.3–.40 44.69N 148.69E 63–4 5.3b,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ73.00000°,λ62.00000°. NP2:ϕ_s227.00000°,δ33.00000°,λ147.00000°. $M_0$6.42000×10^{14}
JMA Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.3km az=45.0.
MOS Error ellipse: s-maj=13.3km s-min=10.0km az=84.9.
IDC Error ellipse: s-maj=17.2km s-min=15.1km az=136.0.
KRSC VI 04 13 39 51.3–2.8 48.37N 155.94E 5–5 3.8L
¶14775896
KRSC Event type se.
ISC VI 05 16 12 37.9–.45 46.62N–.05 152.73E–.04 49–3 4.6b,3.9s 379 4-149
NIED VI 05 16 12 00 46.60N 153.10E 32 4.3W,3.9s **¶13195200**
JMA VI 05 16 12 34.8–1.0 46.62N 153.09E 30 5.2,3.9s
ISCJB VI 05 16 12 35.9–.52 46.54N–.04 152.82E–.04 48–4 4.6b,3.7s
BJI VI 05 16 12 35.3 46.80N 152.89E 48 4.7b,4.6b
MOS VI 05 16 12 36.9–1.0 46.67N 152.82E 53 4.8b,4.6b
NEIC VI 05 16 12 36.8–.70 46.62N 152.76E 38–6 4.8b,4.6b
SKHL VI 05 16 12 36.8–1.0 46.62N 153.13E 57–19 5.1b,4.5s
IDC VI 05 16 12 39.7–2.3 46.75N 152.75E 62–20 4.3,4.2
SZGRF VI 05 16 12 47.5 48.24N 151.96E 33 4.8b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s131.00000°,δ88.00000°,λ-29.00000°. NP2:ϕ_s223.00000°,δ61.00000°,λ-177.00000°. $M_0$3.38000×10^{15}
JMA Error ellipse: s-maj=7.8km s-min=8.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=3.8km az=147.2.
MOS Error ellipse: s-maj=7.6km s-min=5.0km az=95.8.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.4km az=152.0.
IDC Error ellipse: s-maj=13.7km s-min=10.1km az=149.0.
SZGRF Kuril Islands, Russia.
ISC VI 05 17 03 43.3–.74 48.11N–.09 152.86E–.10 128 4.0b 65 3-77
ISCJB VI 05 17 03 42.4–.49 48.16N–.07 152.9E–.10 128 4.0b **¶13439935**
MOS VI 05 17 03 43.9–1.2 48.11N 153.10E 151 4.0b
IDC VI 05 17 03 46.9–2.2 48.18N 152.98E 158–20 3.6,3.5
BJI VI 05 17 03 53.6 48.20N 151.90E 160 4.5b,4.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=4.0km az=40.8.
MOS Error ellipse: s-maj=13.6km s-min=8.2km az=63.4.
IDC Error ellipse: s-maj=18.1km s-min=12.8km az=133.0.
ISC VI 05 23 06 48.9–.53 46.94N–.07 151.01E–.06 166 4.3b 222 3-145
ISCJB VI 05 23 06 48.4–.31 47.05N–.04 150.96E–.07 166 4.2b **¶13232426**
MOS VI 05 23 06 49.8–1.2 47.12N 150.91E 178 4.5b
NEIC VI 05 23 06 50.1–.89 46.98N 151.12E 172–7 4.7b
IDC VI 05 23 06 51.4–1.9 47.10N 150.94E 183–17 3.8,3.8
JMA VI 05 23 06 54.2–.50 46.03N 151.14E 187 4.1,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.2km az=44.8.
MOS Error ellipse: s-maj=9.9km s-min=5.8km az=92.1.
NEIC Event type se. Error ellipse: s-maj=32.8km s-min=7.2km az=140.0.
IDC Error ellipse: s-maj=15.0km s-min=10.2km az=159.0.
JMA Error ellipse: s-maj=4.4km s-min=5.4km az=-1.0.
ISC VI 06 09 17 00.5–1.0 43.86N–.08 147.64E–.07 42–9 3.8b 42 1-82
NIED VI 06 09 16 00 43.70N 147.50E 35 3.7W **¶13680664**
ISCJB VI 06 09 16 59.6–.97 43.87N–.07 147.61E–.09 52–8 3.9b
JMA VI 06 09 16 59.4–.20 43.71N 147.49E 14 4.1
MOS VI 06 09 17 00.8–1.6 44.10N 147.43E 57 4.2b
IDC VI 06 09 17 02.3–3.2 43.93N 147.49E 59–28 3.8,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ74.00000°,λ85.00000°. NP2:ϕ_s240.00000°,δ17.00000°,λ106.00000°. $M_0$4.31000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=5.8km az=139.3.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=17.2km s-min=12.6km az=73.9.
IDC Error ellipse: s-maj=28.6km s-min=20.5km az=151.0.
JMA VI 06 09 40 06.9–.70 44.87N 149.64E 30 3.7
¶15433448
JMA Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0.
ISC VI 06 10 37 53.8–.30 44.51N–.04 149.04E–.03 43–1 5.1b,4.5s 874 1-152
DJA VI 06 10 37 47.5–1.3 45N–11 149E–23 10 5.7b,5.2 **¶13195314**
SKHL VI 06 10 37 50.8–1.6 44.48N 149.44E 38–4 5.5b,5.5
BJI VI 06 10 37 51.1 44.53N 149.24E 47 5.0b,5.0b
JMA VI 06 10 37 51.4–.50 44.67N 149.16E 30 5.0,5.0b
ISCJB VI 06 10 37 52.9–.39 44.46N–.03 149.01E–.03 48–3 5.0b,4.5s
MOS VI 06 10 37 53.2–.85 44.50N 148.97E 50 5.3b,4.4s
IDC VI 06 10 37 54.3–.44 44.56N 148.99E 45–4 4.6,4.6
NEIC VI 06 10 37 54.1–.14 44.55N 148.95E 42 5.1b,4.6
TEH VI 06 10 37 55.0 44.54N 148.98E 41 4.9L,4.6
GCMT VI 06 10 37 56.6–.30 44.39N 149.27E 39–1 5.0W,4.6
NIED VI 06 10 38 00 44.80N 149.10E 35 4.9W,4.6
SZGRF VI 06 10 38 02.3 45.98N 148.64E 33 5.4b,4.2s
ISC Event type se.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.7km az=154.6.
MOS Error ellipse: s-maj=6.6km s-min=4.0km az=107.9.
IDC Error ellipse: s-maj=11.3km s-min=9.7km az=142.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.5km az=158.0. Recorded [1 JMA] in eastern Hokkaido.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c42; s61,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}2.74±.18 $M_{\theta\theta}$-1.17±.12; $M_{\phi\phi}$-1.57±.12; $M_{r\theta}$0.70±.13; $M_{\theta\phi}$-2.15±.08; $M_{\phi r}$1.65±.10; Best double couple: NP1:ϕ_s237.00000°,δ32.00000°,λ113.00000°. NP2:ϕ_s30.00000°,δ60.00000°,λ76.00000°. Principal axes: T 3.3000,Plg71.0000° ,Azm269.0000°; N 0.6600,Plg12.0000°,Azm37.0000°; P -3.9600,Plg14.0000°,Azm131.0000° $M_0$3.60000×10^{16}
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ68.00000°,λ73.00000°. NP2: ϕ_s228.00000°,δ28.00000°,λ127.00000°. $M_0$2.91000×10^{16}
SZGRF Kuril Islands, Russia.
KRSC VI 06 19 56 30.6–1.4 49.39N 156.14E 10–10 3.8L
¶14775905
KRSC Event type se.
KRSC VI 07 21 35 39.5–1.4 50.43N 157.06E 23–22 3.6L
¶14775910
KRSC Event type se.
KRSC VI 08 01 10 12.6–.70 50.82N 157.60E 40–40 3.5L
¶14775911
KRSC Event type se.
ISC VI 08 10 57 18.3–.45 45.86N–.07 151.98E–.06 48 4.5b,3.6s 258 3-150
NIED VI 08 10 57 00 46.00N 152.20E 41 4.4W,3.6s **¶13195679**
JMA VI 08 10 57 16.6–.60 45.97N 152.25E 30 4.8,3.6s
ISCJB VI 08 10 57 17.6–.27 45.98N–.05 151.87E–.05 48 4.5b,3.6s
IDC VI 08 10 57 18.4–2.9 46.07N 151.85E 39–25 4.2,4.1
MOS VI 08 10 57 19.5–1.1 45.97N 151.80E 68 4.6b,4.1
NEIC VI 08 10 57 19.9–.74 46.07N 151.81E 52–6 4.6b,4.1
BJI VI 08 10 57 19.2 45.72N 152.09E 79 4.6b,4.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s126.00000°,δ67.00000°,λ-28.00000°. NP2:ϕ_s228.00000°,δ65.00000°,λ-154.00000°. $M_0$4.82000×10^{15}
JMA Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=2.6km az=147.1.
IDC Error ellipse: s-maj=15.9km s-min=11.5km az=149.0.
MOS Error ellipse: s-maj=8.3km s-min=6.4km az=93.9.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.9km az=152.0.
ISC VI 08 16 38 11.6–1.7 47.1N–.20 153.6E–.20 31 17 4-64
MOS VI 08 16 38 13.9–1.6 47.51N 153.26E 33 4.0b **¶13680910**
IDC VI 08 16 38 18.8–3.7 47.53N 153.12E 64–32 3.6,3.5
ISC Event type ke.
MOS Error ellipse: s-maj=49.7km s-min=16.6km az=58.6.
IDC Error ellipse: s-maj=83.0km s-min=26.0km az=139.0.
ISC VI 08 23 35 05.2–.80 48.65N–.09 154.92E–.09 56–8 3.7b,3.0s 60 2-76
MOS VI 08 23 35 03.3–1.5 48.67N 154.83E 57 4.1b,3.0s **¶13680929**
ISCJB VI 08 23 35 05.0–.74 48.74N–.07 154.8E–.10 67–7 3.6b,3.0s
IDC VI 08 23 35 04.6–.74 48.64N 154.59E 46–7 3.7,3.7L
KRSC VI 08 23 35 05.1–.60 48.64N 155.69E 10–10 4.3L,3.7L
ISC Event type se.
MOS Error ellipse: s-maj=15.8km s-min=7.1km az=62.1.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=4.8km az=135.5.
IDC Error ellipse: s-maj=24.3km s-min=13.1km az=142.0.
KRSC Event type se.
ISC VI 10 13 11 27.6–1.2 45.5N–.10 150.5E–.10 200 3.1b 31 2-70
IDC VI 10 13 11 25.6–4.9 46.44N 149.60E 151–46 3.4,3.1 **¶13681108**
MOS VI 10 13 11 27.7–.92 46.48N 149.86E 188 4.2b,3.1
JMA VI 10 13 11 31.4–.60 45.43N 150.22E 193 3.6,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=49.9km s-min=21.1km az=107.0.
MOS Error ellipse: s-maj=71.5km s-min=18.6km az=63.7.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
ISC VI 10 15 54 55.6–.26 44.85N–.03 148.32E–.03 94–1 5.0b 865 1-152
BJI VI 10 15 54 54.6 44.93N 148.28E 103 5.2b,4.9b **¶13469959**
ISCJB VI 10 15 54 55.4–.29 44.84N–.03 148.28E–.02 104–2 4.9b,4.9b
NEIC VI 10 15 54 56.0–.13 44.98N 148.15E 94 5.0b,4.9b
IDC VI 10 15 54 55.6–.41 45.00N 148.14E 91–3 4.7,4.7
MOS VI 10 15 54 55.2–.97 44.89N 148.27E 103 4.9b,4.7
SKHL VI 10 15 54 56.4–.50 44.87N 148.44E 97–7 5.8b,5.6
JMA VI 10 15 54 56.8–.30 44.52N 148.43E 96 4.7,5.6
GCMT VI 10 15 54 57.8–.30 44.89N 148.37E 88–3 4.9W,5.6
SZGRF VI 10 15 54 58.8 46.66N 148.46E 33 5.1b,3.7s
DJA VI 10 15 55 00.9–6.1 45N–12 148E–23 133–51 5.2b,4.9b
NIED VI 10 15 55 00 44.40N 148.50E 86 4.9W,4.9b
NSSC VI 10 15 55 49.8–.53 47.52N 149.45E 572–999 4.9W,4.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=159.4.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=2.5km az=155.0. Felt [IV] at Kuril'sk. Recorded [1 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=10.7km s-min=8.2km az=144.0.
MOS Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=100.6. Felt (III-IV) at Kuril'sk. Moment Tensor Solution.
SKHL Event type fe. Felt (III-IV) at Kurilsk.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s26,c33; s72,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}1.56±.12 $M_{\theta\theta}$0.93±.12; $M_{\phi\phi}$-2.50±.11; $M_{r\theta}$-1.18±.08; $M_{\theta\phi}$-0.14±.11; $M_{\phi r}$-1.65±.07; Best double couple: NP1:ϕ_s331.00000°,δ33.00000°,λ37.00000°. NP2:ϕ_s209.00000°,δ71.00000°,λ118.00000°. Principal axes: T 2.7800,Plg56.0000° ,Azm154.0000°; N 0.3700,Plg26.0000°,Azm19.0000°; P -3.1600,Plg21.0000°,Azm278.0000° $M_0$3.00000×10^{16}
SZGRF Northwest of Kuril Islands, Russia.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ54.00000°,λ114.00000°. NP2:ϕ_s341.00000°,δ42.00000°,λ60.00000°. $M_0$2.27000×10^{16}
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VI 11 06 50 45.5–.43 43.96N–.05 147.17E–.04 64–2 4.2b 192 1-149
MOS VI 11 06 50 43.6–1.2 43.94N 147.13E 65 4.4b **¶13196177**
ISCJB VI 11 06 50 44.2–.49 43.93N–.04 147.19E–.05 67–4 4.2b
JMA VI 11 06 50 44.6–.20 43.77N 147.21E 39 4.7
IDC VI 11 06 50 44.6–.70 43.96N 147.22E 56–5 4.1,4.0
BJI VI 11 06 50 44.8 43.62N 146.96E 58 4.8b,4.7b
NEIC VI 11 06 50 45.5–.30 43.93N 147.18E 64 4.4b,4.7b
SKHL VI 11 06 50 45.4–.40 43.89N 147.22E 68–4 5.1b,4.7b
NIED VI 11 06 51 00 43.80N 147.20E 62 4.4W,4.7b
ISC Event type fe.

MOS Event type fe. Error ellipse: s-maj=9.1km s-min=7.0km az=64.9. Felt (IV) at Malokuril'skoye,(II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=3.8km az=142.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=14.6km s-min=11.5km az=150.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=4.8km az=151.0. Felt [IV] on Shikotan and [II] at Yuzhno-Kuril'sk. Recorded [2 JMA] in eastern Hokkaido.
SKHL Event type fe. Felt (IV) at Malokurilskoe, (II) at Yushno-Kurilsk.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s240.00000°,δ80.00000°,λ145.00000°. NP2:ϕ_s337.00000°,δ55.00000°,λ12.00000°. $M_0$4.70000×10^{15}

ISC	**VI**	**11 11 44 20.1–3.3**	**49.6N–.20**	**156.1E–.10**	**42–29**	**3.4b**	**32**	**1-74**
IDC	VI	11 11 44 13.9–1.2	49.60N	155.85E	0	3.6,3.3		¶13681160
MOS	VI	11 11 44 14.2–2.8	49.37N	155.86E	13	4.2b,3.3		
ISCJB	VI	11 11 44 21.2–1.4	49.71N–.10	156.1E–.20	69–12	3.2b,3.3		
KRSC	VI	11 11 44 21.2–.90	49.80N	156.61E	5–5	4.0L,3.3		

ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=25.9km az=127.0.
MOS Error ellipse: s-maj=65.4km s-min=16.5km az=79.2.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=11.4km az=43.8.
KRSC Event type se.

KRSC	**VI**	**12 10 28 35.8–1.1**	**49.10N**	**156.03E**	**5–5**	**3.8L**	
							¶14775916

KRSC Event type se.

IDC	**VI**	**12 20 24 55.1–281**	**48.28N**	**152.85E**	**0**		
							¶16101253

IDC Error ellipse: s-maj=90.1km s-min=45.9km az=38.0.

IDC	**VI**	**12 22 10 04.4–280**	**48.33N**	**152.85E**	**0**		
							¶16101257

IDC Error ellipse: s-maj=77.3km s-min=39.5km az=42.0.

IDC	**VI**	**12 23 12 52.0–280**	**48.26N**	**153.05E**	**0**		
							¶16101260

IDC Error ellipse: s-maj=96.9km s-min=29.6km az=31.0.

JMA	**VI**	**13 03 14 51.2–.30**	**43.46N**	**147.67E**	**19**	**3.5**	
NIED	VI	13 03 14 00	43.50N	147.70E	23	3.5W	**¶14488924**

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s275.00000°,δ89.00000°,λ-136.00000°. NP2:ϕ_s184.00000°,δ46.00000°,λ-1.00000°. $M_0$1.83000×10^{14}

KRSC	**VI**	**13 03 55 42.9–1.1**	**49.20N**	**156.32E**	**5–5**	**3.9L**	
							¶14775917

KRSC Event type se.

IDC	**VI**	**13 04 49 22.5–280**	**48.49N**	**153.16E**	**0**		
							¶16101267

IDC Error ellipse: s-maj=73.7km s-min=23.2km az=33.0.

ISC	**VI**	**13 20 14 11.3–1.5**	**46.6N–.20**	**153.3E–.20**	**24**	**3.7b**	**36**	**4-79**
NIED	VI	13 20 14 00	46.80N	153.20E	20	3.8W		¶13681307
ISCJB	VI	13 20 14 10.7–.00	46.7N–.10	153.1E–.20	24	3.7b,2.9s		
JMA	VI	13 20 14 12.9–.80	46.85N	153.24E	30	4.5,2.9s		
MOS	VI	13 20 14 16.5–1.2	47.05N	152.77E	65	4.2b,2.9s		
IDC	VI	13 20 14 17.7–3.4	46.80N	152.93E	68–27	3.6,3.5		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s126.00000°,δ84.00000°,λ-24.00000°. NP2:ϕ_s219.00000°,δ66.00000°,λ-174.00000°. $M_0$6.18000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=25.8km s-min=4.6km az=136.7.
JMA Error ellipse: s-maj=11.1km s-min=9.1km az=-1.0.
MOS Error ellipse: s-maj=22.1km s-min=12.8km az=60.4.
IDC Error ellipse: s-maj=58.2km s-min=17.3km az=147.0.

KRSC	**VI**	**15 03 44 51.4–.80**	**48.86N**	**155.74E**	**5–5**	**4.0L**	
							¶14775926

KRSC Event type se.

ISC	**VI**	**15 05 04 41.7–.72**	**48.01N–.08**	**155.34E–.08**	**27**	**4.0b**	**85**	**3-78**
IDC	VI	15 05 04 37.1–1.4	47.81N	155.37E	0	4.0,3.9		¶13383485
MOS	VI	15 05 04 39.7–.85	47.95N	155.33E	30	4.4b,3.9		
ISCJB	VI	15 05 04 40.1–.57	48.00N–.06	155.4E–.10	27	4.0b,3.9		
KRSC	VI	15 05 04 40.5–1.6	47.91N	156.87E	10–10	4.5L,3.9		
NEIC	VI	15 05 04 41.6–1.7	47.76N	155.39E	32–12	4.5b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=17.3km az=166.0.
MOS Error ellipse: s-maj=13.4km s-min=7.3km az=76.2.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=4.1km az=38.3.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.5km az=149.0.

ISC	**VI**	**15 10 44 38.2–3.6**	**48.4N–.10**	**155.2E–.20**	**31–26**	**3.5b**	**31**	**2-75**
IDC	VI	15 10 44 33.0–.95	48.18N	155.10E	0	3.8,3.5		¶13681411
KRSC	VI	15 10 44 39.0–1.1	48.50N	155.69E	5–5	3.7L,3.5		
MOS	VI	15 10 44 41.7–2.9	48.63N	154.46E	77	3.7b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=19.5km az=133.0.
KRSC Event type se.
MOS Error ellipse: s-maj=45.8km s-min=12.9km az=62.1.

IDC	**VI**	**15 11 33 41.3–281**	**48.49N**	**152.90E**	**0**		
							¶16101360

IDC Error ellipse: s-maj=84.6km s-min=52.4km az=53.0.

IDC	**VI**	**15 16 41 23.9–280**	**48.55N**	**152.44E**	**0**		
							¶16101372

IDC Error ellipse: s-maj=84.5km s-min=49.9km az=51.0.

ISC	**VI**	**16 03 24 55.9–.84**	**45.8N–.10**	**149.5E–.10**	**141**	**3.6b**	**38**	**1-80**
MOS	VI	16 03 24 57.1–1.0	46.21N	149.30E	152	3.6b		¶13681466
JMA	VI	16 03 24 59.5–.40	45.12N	149.66E	173	3.4		
IDC	VI	16 03 24 59.2–2.6	46.21N	149.38E	155–22	3.6,3.4		

ISC Event type ke.
MOS Error ellipse: s-maj=21.2km s-min=12.3km az=71.9.
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=38.5km s-min=15.9km az=167.0.

ISC	**VI**	**17 06 11 26.2–.71**	**43.67N–.07**	**147.95E–.06**	**76–5**	**4.2b**	**101**	**2-82**
NIED	VI	17 06 11 00	43.50N	147.80E	47	3.9W		¶13383495
JMA	VI	17 06 11 24.7–.20	43.53N	147.83E	14	4.6		
MOS	VI	17 06 11 24.7–.94	43.99N	147.93E	66	4.5b		
ISCJB	VI	17 06 11 25.4–.82	43.70N–.06	147.90E–.07	82–6	4.1b		
IDC	VI	17 06 11 27.5–3.2	43.76N	147.94E	82–29	3.8,3.8b		
NEIC	VI	17 06 11 27.6–.42	43.68N	147.93E	86–6	4.4b,3.8b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ85.00000°,λ129.00000°. NP2:ϕ_s148.00000°,δ39.00000°,λ8.00000°. $M_0$8.85000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=12.2km s-min=10.9km az=131.4.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.4km az=149.2.
IDC Error ellipse: s-maj=54.3km s-min=15.9km az=173.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.0km az=168.0.

KRSC	**VI**	**17 10 17 55.5–1.5**	**48.44N**	**155.99E**	**5–5**	**4.1L**	
							¶14775929

KRSC Event type se.

ISC	**VI**	**17 23 11 10.2–.36**	**45.38N–.05**	**149.86E–.04**	**97–2**	**4.8b**	**531**	**1-151**
NIED	VI	17 23 11 00	44.80N	149.90E	80	4.5W		¶13383503
BJI	VI	17 23 11 03.8	45.44N	150.58E	86	4.9b,4.8b		
ISCJB	VI	17 23 11 09.9–.47	45.32N–.04	149.86E–.05	107–4	4.7b,4.8b		
NEIC	VI	17 23 11 10.7–.21	45.46N	149.78E	96	4.8b,4.8b		
MOS	VI	17 23 11 10.6–.92	45.60N	149.72E	101	4.8b,4.8b		
IDC	VI	17 23 11 10.6–.50	45.51N	149.78E	97–4	4.3,4.2		
SZGRF	VI	17 23 11 11.0	46.22N	148.47E	33	5.0b,4.2		
SKHL	VI	17 23 11 12.1–1.5	45.60N	150.05E	89–7	5.8s,5.4b		
JMA	VI	17 23 11 13.1–.50	44.85N	149.89E	100	4.2,5.4b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s270.00000°,δ82.00000°,λ-73.00000°. NP2:ϕ_s24.00000°,δ19.00000°,λ-155.00000°. $M_0$6.24000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.1km az=143.5.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=150.0.
MOS Error ellipse: s-maj=8.4km s-min=5.1km az=106.7.
IDC Error ellipse: s-maj=12.8km s-min=10.9km az=152.0.
SZGRF Northwest of Kuril Islands, Russia.
JMA Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.

JMA	**VI**	**19 00 08 30.6–.30**	**44.01N**	**148.04E**	**6**	**3.6**	
							¶15438309

JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.

ISC	**VI**	**20 01 53 50.7–.93**	**43.65N–.06**	**146.55E–.06**	**70–8**	**3.5b**	**38**	**1-83**
ISCJB	VI	20 01 53 50.4–.60	43.69N–.05	146.51E–.07	80–5	3.4b		¶13681689
MOS	VI	20 01 53 50.3–1.3	43.71N	146.54E	85	4.1b		
JMA	VI	20 01 53 51.2–.10	43.62N	146.55E	68–2	4.2		
IDC	VI	20 01 53 53.2–2.8	43.79N	146.51E	89–25	3.5,3.4		
NIED	VI	20 01 54 00	43.70N	146.50E	98	3.8W,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.7km az=137.2.
MOS Error ellipse: s-maj=19.5km s-min=13.7km az=94.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=23.8km s-min=17.6km az=152.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ90.00000°,λ43.00000°. NP2:ϕ_s90.00000°,δ47.00000°,λ180.00000°. $M_0$5.67000×10^{14}

KRSC	**VI**	**20 07 50 33.3–.70**	**49.88N**	**156.99E**	**69–81**	**3.9L**	
							¶14775937

KRSC Event type se.

ISC	**VI**	**20 11 15 50.6–.62**	**47.96N–.10**	**153.3E–.10**	**100**	**3.7b**	**50**	**3-77**
JMA	VI	20 11 15 48.0–.70	47.92N	153.43E	30	4.4		¶13681714
ISCJB	VI	20 11 15 50.1–.45	47.87N–.07	153.2E–.10	100	3.7b		
MOS	VI	20 11 15 50.2–1.3	47.96N	153.20E	100	3.9b		
IDC	VI	20 11 15 54.0–2.5	47.95N	153.11E	118–23	3.6,3.5		

ISC Event type ke.
JMA Error ellipse: s-maj=10.0km s-min=8.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=4.0km az=135.1.
MOS Error ellipse: s-maj=19.7km s-min=8.1km az=62.1.
IDC Error ellipse: s-maj=22.6km s-min=12.4km az=139.0.

KRSC	**VI**	**20 19 14 34.0–1.0**	**50.31N**	**157.39E**	**5–5**	**4.0L**	
MOS	VI	20 19 14 33.9–1.4	50.42N	156.78E	22	4.2b	**¶14306326**

KRSC Event type se.
MOS Error ellipse: s-maj=36.9km s-min=13.1km az=71.0.

ISC	**VI**	**21 14 40 38.2–.79**	**48.15N–.10**	**155.0E–.10**	**33**	**4.1b,3.4s**	**75**	**3-78**
IDC	VI	21 14 40 33.4–.77	48.14N	154.94E	0	4.1,4.0		¶13383534
BJI	VI	21 14 40 35.7	48.13N	155.68E	56	4.4b,4.2b		
ISCJB	VI	21 14 40 36.7–.57	48.11N–.07	154.9E–.10	33	3.9b,3.4s		
MOS	VI	21 14 40 37.7–1.3	48.19N	154.90E	42	4.3b,3.4s		

ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=14.9km az=134.0.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=4.2km az=44.3.
MOS Error ellipse: s-maj=11.8km s-min=7.1km az=74.9.

IDC	**VI**	**21 20 27 39.0–3.8**	**48.83N**	**151.63E**	**0**	**3.6,3.4**	
							¶16101590

IDC Error ellipse: s-maj=117.8km s-min=38.9km az=6.0.

KRSC	**VI**	**22 08 19 12.8–.30**	**49.37N**	**155.97E**	**5–5**	**3.9L**	
							¶14775939

KRSC Event type se.

JMA	**VI**	**22 09 59 38.9–.60**	**45.41N**	**150.06E**	**30**	**4.3**	
							¶15439575

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

JMA	**VI**	**22 20 55 53.1–.20**	**43.71N**	**146.29E**	**106–2**	**3.5**	
							¶15439692

JMA Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.

KRSC	**VI**	**23 04 24 08.0–1.1**	**50.12N**	**157.03E**	**5–5**	**3.8L**	
							¶14775941

KRSC Event type se.

ISC	**VI**	**23 09 11 24.6–1.5**	**49.3N–.20**	**153.3E–.10**	**140**	**3.5b**	**28**	**2-77**
MOS	VI	23 09 11 19.0–1.1	48.80N	153.31E	134	3.4b		¶13681889
IDC	VI	23 09 11 20.0–3.8	48.74N	153.49E	126–34	3.5s,3.5		
KRSC	VI	23 09 11 22.4–1.7	48.45N	154.93E	183–93	4.3L,3.5		

ISC Event type se.
MOS Error ellipse: s-maj=36.0km s-min=11.3km az=66.3.
IDC Error ellipse: s-maj=24.9km s-min=21.5km az=119.0.
KRSC Event type se.

IDC	**VI**	**23 09 28 07.5–9.0**	**48.00N**	**152.91E**	**0**	**3.7,3.4**	
							¶16101643

IDC Error ellipse: s-maj=285.2km s-min=69.4km az=98.0.

KRSC	**VI**	**23 12 08 28.4–.10**	**50.21N**	**155.57E**	**230–20**	**3.8L**	
							¶14775942

KRSC Event type se.

ISC	**VI**	**24 05 22 09.8–.00**	**44.6N–.10**	**149.63E–.08**	**36**	**4.0b**	**30**	**1-81**
IDC	VI	24 05 22 02.7–2.3	44.38N	149.49E	0	4.0,3.8		¶13383554
ISCJB	VI	24 05 22 07.3–.84	44.6N–.10	149.77E–.08	36	4.0b,3.8		
MOS	VI	24 05 22 11.1–1.1	44.82N	149.45E	62	4.3b,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=63.5km s-min=22.5km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=7.2km az=167.0.
MOS Error ellipse: s-maj=17.3km s-min=13.8km az=67.5.

ISC	**VI**	**25 00 26 09.0–2.2**	**50.7N–.10**	**157.43E–.07**	**7–16**		**40**	**1-8**
MOS	VI	25 00 26 10.6–1.7	50.79N	157.29E	22	4.2b		¶14341972
KRSC	VI	25 00 26 12.1–.50	50.90N	157.50E	11–10	4.0L		

ISC Event type se.
MOS Error ellipse: s-maj=45.9km s-min=13.7km az=69.3.
KRSC Event type se.

KRSC	**VI**	**25 02 01 39.3–.70**	**50.86N**	**157.34E**	**24–23**	**3.5L**	
							¶14775946

KRSC Event type se.

IDC	**VI**	**25 03 45 27.7–1.7**	**47.36N**	**153.14E**	**0**	**3.8,3.6**	
							¶16101706

IDC Error ellipse: s-maj=50.0km s-min=24.0km az=164.0.

ISC	**VI**	**25 04 55 31.0–.86**	**46.6N–.10**	**153.3E–.10**	**40**	**4.1b**	**54**	**4-145**
NIED	VI	25 04 55 00	46.90N	153.20E	26	3.9W		¶13256738
MOS	VI	25 04 55 33.9–1.1	46.94N	152.92E	66	4.4b		
IDC	VI	25 04 55 35.5–2.9	46.84N	152.97E	71–25	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s128.00000°,δ82.00000°,λ-17.00000°. NP2:ϕ_s220.00000°,δ73.00000°,λ-171.00000°. $M_0$8.52000×10^{14}
MOS Error ellipse: s-maj=15.0km s-min=10.1km az=61.6.
IDC Error ellipse: s-maj=30.5km s-min=15.3km az=165.0.

ISC	**VI**	**25 13 51 44.7–1.0**	**43.33N–.07**	**146.51E–.06**	**40–9**	**3.9b**	**41**	**1-83**
ISCJB	VI	25 13 51 44.5–.79	43.36N–.05	146.47E–.07	54–6	3.8b		¶13682012
JMA	VI	25 13 51 44.9–.20	43.29N	146.43E	45–1	4.0		
MOS	VI	25 13 51 46.1–1.4	43.60N	146.47E	61	4.2b		
IDC	VI	25 13 51 48.6–2.6	43.86N	146.42E	54–25	3.8,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=6.4km az=139.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=14.7km s-min=10.6km az=76.1.
IDC Error ellipse: s-maj=40.6km s-min=16.1km az=167.0.

KRSC	**VI**	**25 17 24 22.3–1.7**	**49.60N**	**156.66E**	**5–5**	**3.8L**	
							¶14775948

KRSC Event type se.

KRSC	**VI**	**25 17 37 28.7–1.2**	**50.02N**	**156.89E**	**5–5**	**3.5L**	
							¶14775949

KRSC Event type se.

IDC	**VI**	**25 21 24 43.4–26**	**47.15N**	**153.07E**	**124–73**	**3.5,3.5**	
							¶13383564

IDC Error ellipse: s-maj=458.7km s-min=59.3km az=152.0.

KRSC	**VI**	**26 07 22 24.0–1.6**	**49.59N**	**156.70E**	**8–7**	**3.5L**	
							¶14775950

KRSC Event type se.

ISC	**VI**	**26 21 23 12.7–1.9**	**49.5N–.10**	**155.99E–.09**	**53–16**	**3.8b**	**59**	**1-77**
KRSC	VI	26 21 23 12.0–1.3	49.57N	156.86E	5–5	4.6L		¶13682088
MOS	VI	26 21 23 12.0–1.3	49.59N	155.81E	65	4.0b		
ISCJB	VI	26 21 23 13.8–.88	49.58N–.07	156.0E–.10	81–8	3.7b		
IDC	VI	26 21 23 17.2–2.6	49.64N	155.70E	90–24	3.8,3.6		

ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=25.3km s-min=7.7km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=6.9km az=42.5.
IDC Error ellipse: s-maj=26.6km s-min=13.3km az=138.0.

ISC VI 27 01 58 28.0–2.6 48.59N–.09 155.50E–.09 31–17 4.2b,3.8s 145 2-83
IDC VI 27 01 58 23.9–1.1 48.64N 155.31E 0 4.1,4.0 **¶13306904**
KRSC VI 27 01 58 23.3–1.6 48.39N 156.15E 5–5 4.4L,4.0
ISCJB VI 27 01 58 26.6–1.3 48.63N–.06 155.4E–.10 30–9 4.1b,3.7s
MOS VI 27 01 58 27.8–1.3 48.60N 155.44E 44 4.4b,3.7s
NEIC VI 27 01 58 29.4–1.2 48.58N 155.36E 43–9 4.4b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=14.8km az=149.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=3.8km az=40.9.
MOS Error ellipse: s-maj=11.0km s-min=6.4km az=81.6.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=7.0km az=140.0.
ISC VI 27 03 14 57.3–.59 48.53N–.08 155.57E–.08 36 4.2b,3.5s 109 2-90
IDC VI 27 03 14 52.0–.63 48.48N 155.41E 0 4.1,4.0 **¶13383570**
ISCJB VI 27 03 14 55.5–.46 48.54N–.06 155.54E–.09 36 4.0b,3.6s
MOS VI 27 03 14 55.4–1.1 48.50N 155.60E 39 4.3b,3.6s
NEIC VI 27 03 14 56.4–2.2 48.46N 155.52E 31–16 4.3b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=11.8km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.6km az=43.7.
MOS Error ellipse: s-maj=11.0km s-min=7.1km az=79.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.5km az=140.0.
JMA VI 27 12 39 55.5–.50 46.06N 151.94E 30 4.3
NIED VI 27 12 39 00 46.10N 151.90E 44 3.8W **¶14494560**
JMA Error ellipse: s-maj=7.8km s-min=5.4km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ90.00000°,λ107.00000°. NP2:ϕ_s159.00000°,δ17.00000°,λ1.00000°. $M_0$5.64000×10^{14}
ISC VI 27 12 48 27.7–.61 46.5N–.10 153.15E–.08 40 3.7b 48 4-79
NIED VI 27 12 48 00 47.00N 152.90E 32 3.7W **¶13383576**
JMA VI 27 12 48 27.6–.80 47.04N 152.90E 30 4.2
MOS VI 27 12 48 28.8–1.5 47.00N 153.07E 57 4.1b
IDC VI 27 12 48 35.5–2.2 46.85N 152.78E 104–20 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s224.00000°,δ79.00000°,λ-161.00000°. NP2:ϕ_s130.00000°,δ72.00000°,λ-12.00000°. $M_0$3.65000×10^{14}
JMA Error ellipse: s-maj=11.1km s-min=9.1km az=-1.0.
MOS Error ellipse: s-maj=17.7km s-min=10.5km az=52.3.
IDC Error ellipse: s-maj=18.7km s-min=11.9km az=136.0.
ISC VI 27 13 54 08.5–.59 46.79N–.07 153.80E–.06 27 3.9b,3.3s 82 4-79
NIED VI 27 13 54 00 47.00N 153.70E 17 4.1W,3.3s **¶13383578**
ISCJB VI 27 13 54 06.7–.39 46.91N–.05 153.57E–.06 27 3.9b,3.2s
JMA VI 27 13 54 08.8–.70 47.05N 153.67E 30 4.5,3.2s
MOS VI 27 13 54 09.9–1.0 47.10N 153.58E 47 4.3b,3.2s
SKHL VI 27 13 54 10.1–1.0 46.94N 153.92E 55–14 4.8b,4.8s
IDC VI 27 13 54 13.9–2.4 47.16N 153.36E 64–21 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ88.00000°,λ-84.00000°. NP2:ϕ_s75.00000°,δ6.00000°,λ-164.00000°. $M_0$1.35000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=3.4km az=141.4.
JMA Error ellipse: s-maj=8.9km s-min=7.6km az=-1.0.
MOS Error ellipse: s-maj=14.9km s-min=8.2km az=61.3.
IDC Error ellipse: s-maj=18.0km s-min=10.9km az=139.0.
ISC VI 28 02 46 28.1–1.5 43.64N–.09 147.52E–.08 41–15 3.8b 41 1-82
NIED VI 28 02 46 00 43.60N 147.40E 32 3.6W **¶13682171**
JMA VI 28 02 46 26.5–.20 43.56N 147.38E 14–4 4.0
ISCJB VI 28 02 46 27.3–.91 43.67N–.06 147.50E–.08 49–8 3.7b
MOS VI 28 02 46 27.2–1.4 43.65N 147.45E 57 4.1b
IDC VI 28 02 46 29.2–2.9 43.69N 147.39E 50–28 3.6,3.4L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s151.00000°,δ90.00000°,λ46.00000°. NP2:ϕ_s60.00000°,δ44.00000°,λ179.00000°. $M_0$3.15000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=6.2km az=143.4.
MOS Error ellipse: s-maj=18.1km s-min=13.3km az=68.5.
IDC Error ellipse: s-maj=40.6km s-min=21.6km az=169.0.
KRSC VI 28 03 35 30.6–1.3 50.36N 157.02E 5–5 3.7L
¶14775954
KRSC Event type se.
KRSC VI 28 16 35 50.8–1.2 50.32N 157.21E 5–5 3.8L
¶14775957
KRSC Event type se.
ISC VI 29 06 02 53.7–.58 46.60N–.06 152.57E–.05 53–5 4.3b,3.7s 239 4-149
NIED VI 29 06 02 00 46.60N 152.70E 44 4.3W,3.7s **¶13318218**
BJI VI 29 06 02 48.6 47.21N 153.39E 60 4.7b,4.6b
SKHL VI 29 06 02 52.1–1.8 46.50N 152.98E 80–10 6.0s,5.0b
MOS VI 29 06 02 52.9–1.1 46.68N 152.52E 59 4.6b,5.0b
ISCJB VI 29 06 02 52.4–.60 46.57N–.05 152.58E–.05 56–5 4.3b,3.7s
IDC VI 29 06 02 53.7–.62 46.74N 152.43E 48–6 4.1,4.1
JMA VI 29 06 02 53.2–.80 46.62N 152.65E 30 5.0,4.1
NEIC VI 29 06 02 55.0–.59 46.70N 152.41E 61–5 4.7b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s46.00000°,δ79.00000°,λ141.00000°. NP2:ϕ_s145.00000°,δ52.00000°,λ14.00000°. $M_0$3.36000×10^{15}
MOS Error ellipse: s-maj=8.7km s-min=6.2km az=82.8.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.5km az=147.0.
IDC Error ellipse: s-maj=15.9km s-min=10.6km az=153.0.
JMA Error ellipse: s-maj=7.8km s-min=7.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.1km az=144.0.
KRSC VI 29 16 42 27.2–.80 50.55N 157.02E 36–35 3.7L
¶14775959
KRSC Event type se.
KRSC VI 30 08 33 41.2–.70 50.32N 157.34E 65–5 3.7L
¶14775961
KRSC Event type se.

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KRSC I 04 03 37 16.3–1.0 48.88N 156.56E 5–5 4.0L
¶14344996
KRSC Event type se.
ISC I 04 11 52 52.7–1.3 47.1N–.20 156.5E–.10 18 3.9b 22 6-75
IDC I 04 11 52 50.0–1.8 47.06N 156.49E 0 4.0,3.9 **¶12080191**
NEIC I 04 11 52 51.5–1.4 47.11N 156.42E 10 4.0b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=48.2km s-min=19.9km az=156.0.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=11.7km az=146.0.
JMA I 05 09 04 59.3–1.0 44.10N 151.07E 30 4.1
¶15528572
JMA Error ellipse: s-maj=8.9km s-min=8.8km az=-1.0.
ISC I 06 10 15 20.7–4.4 49.5N–.20 157.4E–.20 39 25 1-8
KRSC I 06 10 15 17.6–.90 49.39N 157.80E 30–30 4.1L **¶13917728**
MOS I 06 10 15 17.6–1.0 49.39N 157.80E 30 4.2b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=27.3km az=87.0.
ISC I 08 15 05 27.7–1.8 43.7N–.20 148.5E–.10 40 19 2-55
NIED I 08 15 05 00 43.70N 148.40E 14 3.8W **¶14140157**
JMA I 08 15 05 21.8–.40 43.73N 148.44E 0 4.3
ISCJB I 08 15 05 25.4–1.2 43.6N–.10 148.53E–.10 40 3.2b
IDC I 08 15 06 45.3–17 50.33N 159.09E 0 3.6,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s321.00000°,δ72.00000°,λ20.00000°. NP2:ϕ_s224.00000°,δ71.00000°,λ160.00000°. $M_0$5.58000×10^{14}
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=21.2km s-min=8.9km az=165.4.
IDC Error ellipse: s-maj=515.6km s-min=36.2km az=167.0.
ISC I 09 04 56 30.7–.70 45.98N–.10 154.32E–.08 19 3.8b 44 5-80
IDC I 09 04 56 27.6–.74 45.89N 154.38E 0 3.9,3.8 **¶12080806**
ISCJB I 09 04 56 28.5–.60 45.94N–.10 154.29E–.09 19 3.7b,3.8
MOS I 09 04 56 32.8–1.8 45.98N 154.25E 57 4.1b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=14.7km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=6.6km az=155.0.
MOS Error ellipse: s-maj=15.6km s-min=11.3km az=70.6.
ISC I 09 21 41 42.1–.84 50.11N–.08 159.68E–.07 29 3.5b 54 2-77
MOS I 09 21 41 36.9–.80 49.96N 159.60E 11 3.8b **¶12080890**
IDC I 09 21 41 37.4–.89 49.93N 159.38E 0 3.9,3.7L
ISCJB I 09 21 41 41.1–.70 50.18N–.04 159.80E–.10 29 3.7b,3.7L
KRSC I 09 21 41 41.9–.30 50.39N 159.73E 5–5 4.1L,3.7L
ISC Event type se.
MOS Error ellipse: s-maj=24.7km s-min=8.5km az=89.8.
IDC Error ellipse: s-maj=22.4km s-min=16.0km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.6km az=163.0.
KRSC Event type se.
ISC I 13 05 26 03.6–1.5 44.5N–.10 152.7E–.10 22 3.9b 27 5-73
IDC I 13 05 25 58.4–2.0 44.97N 153.30E 0 3.9,3.8b **¶12081171**
JMA I 13 05 26 03.7–.30 45.41N 152.70E 30 4.6,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=64.2km s-min=32.4km az=92.0.
JMA Error ellipse: s-maj=6.7km s-min=3.9km az=-1.0.
IDC I 13 10 28 27.9–.93 45.91N 154.17E 0 3.8,3.5b
¶12081179
IDC Error ellipse: s-maj=40.3km s-min=21.3km az=123.0.
IDC I 14 10 58 57.1–1.6 46.74N 155.18E 0 3.8,3.7
¶12081264
IDC Error ellipse: s-maj=46.0km s-min=16.7km az=174.0.
KRSC I 14 18 00 53.2–1.5 49.90N 157.54E 10–10 3.8L
¶14345013
KRSC Event type se.
ISC I 15 17 49 38.4–.24 46.83N–.03 155.25E–.02 31–1 7.5s,6.8b 3446 4-167
NIED I 15 17 49 00 47.00N 155.20E 35 7.2W,6.8b **¶13962368**
KRSC I 15 17 49 32.6–4.1 46.56N 155.88E 22–21 7.3L,6.8b
ISCJB I 15 17 49 36.9–.07 46.86N–.02 155.22E–.01 30 7.5s,6.7b
JMA I 15 17 49 37.1–1.0 47.00N 155.17E 30 7.4,6.7b
BGS I 15 17 49 37.9–1.8 46.48N 154.54E 33 7.5s,6.4b
SKHL I 15 17 49 37.3–.70 46.96N 155.34E 50–18 7.7b,7.6s
MOS I 15 17 49 38.1–.89 46.98N 155.26E 38 7.6s,7.0b
NEIC I 15 17 49 39.1–.09 46.86N 155.15E 36 7.5s,7.4W
TEH I 15 17 49 39.0 46.86N 155.16E 36 7.4L,7.4W
BJI I 15 17 49 40.6 47.08N 154.65E 36 7.3s,7.3b
IDC I 15 17 49 40.9–2.4 46.85N 155.16E 53–21 7.4,7.4s
SZGRF I 15 17 49 47.3 47.96N 154.39E 33 7.9s,7.0b
DJA I 15 17 49 54 46.62N 155.09E 148 7.4W,7.0b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ90.00000°,λ-3.00000°. NP2:ϕ_s222.00000°,δ87.00000°,λ-180.00000°. $M_0$6.94000×10^{19}
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.3km az=167.3.
JMA Event type fe. Error ellipse: s-maj=10.0km s-min=9.1km az=-1.0.
BGS Error ellipse: s-maj=223.3km s-min=533.0km az=-1.0.
SKHL Event type fe. Felt (IV-V) at Severo-Kurilsk, (III-IV) at Yushno-Kurilsk, (III) at Malokurilskoe.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=3.6km az=89.0. Fault plane solution: P-wave C59, D27 . Felt (IV-V) at Severo-Kuril'sk, (III-IV) at Yuzhno-Kuril'sk, (III) at Malokuril'skoye, Petropavlovsk-Kamchatskiy. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s349.00000°,δ39.00000°,λ50.00000°. NP2: ϕ_s216.00000°,δ61.00000°,λ118.00000°. Principal axes: T Plg63.0000°,Azm173.0000° ; N Plg24.0000°,Azm22.0000°; P Plg12.0000°,Azm286.0000° $M_0$1.20000×10^{20}
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=159.0. Felt at Petropavlovsk-Kamchatskiy. Recorded [2 JMA] in eastern and southern Hokkaido. Also recorded [2 JMA] in Aomori, Iwate and Miyagi; [1 JMA] in Akita, Honshu. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s200.00000° ,δ55.00000°,λ90.00000°. NP2:ϕ_s20.00000°,δ35.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm110.0000°; N Plg0.0000°,Azm0.0000°; P Plg10.0000°,Azm290.0000° Moment Tensor Solution. s189 Moment tensor: Scale 10^{20}Nm; M_{rr}0.73 $M_{\theta\theta}$0.42 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.37 $M_{\phi r}$-0.03 Best double couple: NP1:ϕ_s182.00000°,δ47.00000°,λ75.00000°. NP2:ϕ_s24.00000°,δ45.00000°,λ106.00000°. Principal axes: T 0.7300,Plg78.0000° ,Azm15.0000°; N 0.5000,Plg11.0000°,Azm192.0000°; P -1.2300,Plg0.0000°,Azm282.0000° $M_0$1.10000×10^{20} Moment Tensor Solution. $M_0$1.80000×10^{20}
IDC Error ellipse: s-maj=13.2km s-min=8.9km az=133.0.
SZGRF Kuril Islands, Russia.
IDC I 15 19 04 28.7–1.3 47.04N 155.35E 0 3.6b,3.6
¶12081355
IDC Error ellipse: s-maj=31.4km s-min=22.9km az=151.0.
IDC I 15 19 44 52.7–3.4 46.88N 155.68E 0 3.5,3.3b
¶12081357
IDC Error ellipse: s-maj=68.8km s-min=37.3km az=147.0.
IDC I 15 20 22 01.7–4.6 47.00N 155.38E 0 3.8b,3.8
¶12081361
IDC Error ellipse: s-maj=103.8km s-min=31.3km az=161.0.
ISC I 15 20 34 08.3–.55 47.04N–.07 155.36E–.07 18 4.4b 128 4-84
IDC I 15 20 34 04.9–.63 46.92N 155.30E 0 4.3,4.2 **¶11598115**
NEIC I 15 20 34 05.9–3.7 47.00N 155.37E 4–23 4.6b,4.2
BJI I 15 20 34 06.1 47.34N 155.31E 11 4.5,4.4b
ISCJB I 15 20 34 07.1–.50 47.12N–.07 155.34E–.09 18 4.3b,4.4b
MOS I 15 20 34 10.9–1.6 47.14N 155.42E 50 4.6b,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=11.8km az=151.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=7.4km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.1km az=139.1.
MOS Error ellipse: s-maj=13.3km s-min=7.3km az=90.7.
IDC I 15 20 39 17.5–.88 47.07N 155.60E 0 3.9,3.8
¶12081366
IDC Error ellipse: s-maj=24.9km s-min=15.5km az=150.0.
IDC I 15 20 45 01.3–1.6 47.14N 155.25E 0 3.8,3.6
¶12081367
IDC Error ellipse: s-maj=46.7km s-min=17.3km az=161.0.
ISC I 15 21 00 16.5–.70 46.93N–.09 155.51E–.10 18 3.9b 51 6-79
IDC I 15 21 00 14.1–.70 46.96N 155.39E 0 4.1,4.0 **¶12081370**
ISCJB I 15 21 00 15.6–.63 47.04N–.07 155.4E–.10 18 3.9b,4.0
NEIC I 15 21 00 19.8–.49 47.07N 155.36E 35 4.3b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=13.3km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=6.7km az=37.1.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.3km az=131.0.
IDC I 15 21 03 47.7–.87 46.92N 155.51E 0 3.9,3.8
¶12081371
IDC Error ellipse: s-maj=23.5km s-min=15.7km az=143.0.
ISC I 15 21 06 12.7–.68 47.00N–.09 155.31E–.10 18 3.9b 46 6-79
IDC I 15 21 06 09.6–.72 46.93N 155.35E 0 4.1,4.0 **¶12081372**
ISCJB I 15 21 06 11.2–.61 47.08N–.08 155.3E–.10 18 3.8b,4.0
NEIC I 15 21 06 15.0–.51 47.01N 155.31E 35 4.2b,4.0
BJI I 15 21 06 20.3 47.40N 154.33E 33 4.2b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=14.8km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=7.0km az=41.4.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.4km az=136.0.
ISC I 15 21 09 52.0–.71 46.97N–.09 155.26E–.10 18 3.9b 41 6-76
IDC I 15 21 09 49.0–.69 46.95N 155.31E 0 4.1,4.0 **¶12081374**
ISCJB I 15 21 09 50.0–.59 47.00N–.07 155.2E–.10 18 3.8b,4.0
NEIC I 15 21 09 54.2–.63 47.00N 155.17E 35 4.1b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=12.8km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=5.8km az=43.8.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=8.5km az=135.0.
IDC I 15 21 24 21.0–1.2 46.95N 155.32E 0 3.8,3.6b
¶12081376
IDC Error ellipse: s-maj=31.5km s-min=24.3km az=151.0.
IDC I 15 21 27 14.8–2.4 46.94N 155.41E 0 4.5s,4.5
¶12081378
IDC Error ellipse: s-maj=61.0km s-min=31.8km az=176.0.
ISC I 15 21 48 46.9–1.4 47.02N–.07 155.55E–.08 14–8 4.2b 111 4-118
IDC I 15 21 48 44.9–.68 47.05N 155.51E 0 4.2,4.1 **¶12081380**

MOS I 15 21 48 48.8–1.1 47.13N 155.39E 38 4.7b,4.1
NEIC I 15 21 48 50.2–.49 47.13N 155.50E 35 4.6b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=12.3km az=149.0.
MOS Error ellipse: s-maj=13.2km s-min=8.4km az=91.1.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.9km az=143.0.
IDC I 15 22 17 39.0–3.5 46.85N 155.58E 0 3.7,3.6b
¶12081382

IDC Error ellipse: s-maj=84.8km s-min=21.7km az=163.0.
ISC I 15 22 24 19.0–.95 47.01N–.08 155.59E–.08 18–5 4.2b 117 4-79
IDC I 15 22 24 16.6–.68 47.04N 155.49E 0 4.2,4.1 **¶12081384**
MOS I 15 22 24 20.3–1.4 47.07N 155.40E 42 4.6b,4.1
NEIC I 15 22 24 21.5–.60 47.06N 155.38E 35 4.4b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=11.6km az=155.0.
MOS Error ellipse: s-maj=12.8km s-min=7.9km az=79.6.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.4km az=137.0.
IDC I 15 23 55 02.2–2.2 46.99N 155.32E 0 3.8,3.7
¶12081388

IDC Error ellipse: s-maj=59.4km s-min=22.5km az=169.0.
ISC I 15 23 58 29.1–1.1 46.9N–.10 155.2E–.10 18 4.1b 49 4-79
IDC I 15 23 58 26.2–2.3 46.86N 155.14E 0 4.0b,4.0 **¶12081389**
ISCJB I 15 23 58 28.0–1.1 47.1N–.10 155.1E–.20 18 4.0b,4.0
NEIC I 15 23 58 31.5–1.3 46.92N 155.11E 35 4.5b,4.0
MOS I 15 23 58 31.3–.94 47.24N 155.03E 35 4.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=58.2km s-min=22.1km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=7.9km az=136.7.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=13.1km az=146.0.
MOS Error ellipse: s-maj=17.8km s-min=10.5km az=94.5.
IDC I 16 00 02 56.6–1.1 46.82N 155.28E 0 3.9,3.7b
¶12081391

IDC Error ellipse: s-maj=28.9km s-min=20.4km az=160.0.
IDC I 16 00 50 00.0–3.8 47.14N 155.48E 0 3.7b,3.7
¶12081395

IDC Error ellipse: s-maj=90.6km s-min=23.9km az=165.0.
IDC I 16 03 31 08.7–1.0 46.95N 155.16E 0 3.7,3.6b
¶12081404

IDC Error ellipse: s-maj=26.2km s-min=23.0km az=125.0.
ISC I 16 03 37 32.4–.51 46.82N–.07 155.42E–.06 38–2 4.6b,3.6s 209 4-147
IDC I 16 03 37 27.2–.59 46.85N 155.37E 0 4.3,4.3 **¶13405743**
ISCJB I 16 03 37 30.4–.45 46.66N–.06 155.05E–.08 31 4.5b,3.6s
BJI I 16 03 37 30.0 47.40N 155.32E 19 4.9b,4.6s
NEIC I 16 03 37 32.7–.47 46.99N 155.40E 35 4.5b,4.6s
MOS I 16 03 37 32.5–1.5 47.04N 155.20E 43 4.7b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=12.3km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=4.7km az=137.5.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.9km az=140.0.
MOS Error ellipse: s-maj=11.7km s-min=7.3km az=114.1.
IDC I 16 04 27 09.2–.92 46.84N 155.41E 0 3.9,3.7
¶12081406

IDC Error ellipse: s-maj=25.9km s-min=19.1km az=130.0.
ISC I 16 04 58 06.6–.55 47.12N–.08 155.35E–.06 18 4.5b,3.8s 143 4-86
IDC I 16 04 58 02.8–.65 46.93N 155.35E 0 4.3,4.2 **¶13405747**
NEIC I 16 04 58 03.1–2.6 46.97N 155.37E 2–16 4.6b,4.2
ISCJB I 16 04 58 04.2–.48 47.07N–.06 155.35E–.08 18 4.4b,3.7s
MOS I 16 04 58 08.2–.91 46.95N 155.25E 53 4.8b,3.7s
BJI I 16 04 58 13.3 48.15N 154.57E 35 5.1b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=11.7km az=155.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.1km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.1km az=140.6.
MOS Error ellipse: s-maj=12.2km s-min=9.4km az=101.7.
IDC I 16 05 08 34.1–2.6 47.11N 155.31E 0 3.9,3.8b
¶12081407

IDC Error ellipse: s-maj=63.8km s-min=27.2km az=173.0.
ISC I 16 05 42 44.1–.73 46.9N–.10 155.4E–.10 18 4.1b 43 6-76
IDC I 16 05 42 40.9–.77 46.86N 155.39E 0 4.1,3.9b **¶12081409**
ISCJB I 16 05 42 42.9–.63 47.07N–.09 155.3E–.10 18 4.1b,3.7s
NEIC I 16 05 42 45.3–3.0 46.98N 155.37E 24–21 4.5b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=14.8km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=7.1km az=141.3.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.4km az=138.0.
IDC I 16 05 54 01.2–.84 46.95N 155.37E 0 3.8,3.8
¶12081410

IDC Error ellipse: s-maj=23.8km s-min=18.0km az=129.0.
IDC I 16 07 09 47.7–.79 46.76N 155.38E 0 3.9,3.8
¶12081416

IDC Error ellipse: s-maj=21.5km s-min=16.9km az=156.0.
IDC I 16 08 31 34.5–2.3 47.16N 155.78E 0 3.8,3.6b
¶12081421

IDC Error ellipse: s-maj=61.2km s-min=29.2km az=180.0.
IDC I 16 08 54 40.9–1.1 46.87N 155.42E 0 3.8,3.6b
¶12081422

IDC Error ellipse: s-maj=31.5km s-min=23.7km az=133.0.
IDC I 16 08 56 26.1–1.2 46.83N 155.32E 0 3.7,3.5b
¶12081423

IDC Error ellipse: s-maj=33.0km s-min=26.1km az=141.0.
IDC I 16 10 10 50.6–1.2 46.93N 155.46E 0 3.7,3.5b
¶12081425

IDC Error ellipse: s-maj=46.8km s-min=24.3km az=120.0.
ISC I 16 11 05 45.0–.65 47.05N–.09 155.43E–.09 18 3.8b 56 6-76
IDC I 16 11 05 42.1–.77 47.04N 155.33E 0 4.1,3.9 **¶12081430**
ISCJB I 16 11 05 43.4–.58 47.11N–.07 155.3E–.10 18 3.8b,3.9
MOS I 16 11 05 45.3–2.0 47.08N 155.43E 37 4.0b,3.9
NEIC I 16 11 05 47.5–.70 47.01N 155.32E 35 4.1b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=15.2km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=6.7km az=39.4.
MOS Error ellipse: s-maj=17.9km s-min=10.0km az=64.3.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=10.3km az=137.0.
IDC I 16 11 17 40.1–2.1 47.00N 155.01E 0 3.6b,3.6
¶12081432

IDC Error ellipse: s-maj=52.9km s-min=33.1km az=86.0.
ISC I 16 12 00 28.0–.51 46.92N–.06 155.18E–.06 18 4.7b,3.9s 194 4-147
IDC I 16 12 00 23.9–.59 46.87N 155.37E 0 4.4,4.4 **¶13405755**
ISCJB I 16 12 00 24.9–.38 46.75N–.05 155.12E–.06 18 4.5b,3.9s
NEIC I 16 12 00 28.7–.33 46.94N 155.35E 30 4.9b,3.9s
BJI I 16 12 00 29.8 46.95N 154.68E 26 4.9b,4.6s
MOS I 16 12 00 30.8–1.4 46.97N 155.12E 60 4.8b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=11.2km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.9km az=140.4.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.9km az=144.0.
MOS Error ellipse: s-maj=11.0km s-min=7.4km az=111.4.
ISC I 16 15 14 23.4–.52 46.84N–.06 155.21E–.05 35–2 4.7b,3.9s 303 4-147
NIED I 16 15 14 00 47.60N 154.90E 32 4.4W,3.9s **¶13405765**
IDC I 16 15 14 17.8–.52 46.89N 155.34E 0 4.5,4.5
BJI I 16 15 14 21.2 47.09N 155.08E 20 5.0b,4.6b
ISCJB I 16 15 14 21.4–.30 46.78N–.04 155.12E–.05 34 4.6b,3.9s
NEIC I 16 15 14 23.1–.33 47.01N 155.33E 35 4.9b,3.9s
MOS I 16 15 14 23.4–1.2 46.93N 155.24E 53 5.0b,3.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ81.00000°,λ57.00000°. NP2:ϕ_s304.00000°,δ35.00000°,λ164.00000°. $M_0$5.16000×10^{15}
IDC Error ellipse: s-maj=16.7km s-min=10.8km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.5km az=138.3.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.0km az=144.0.
MOS Error ellipse: s-maj=9.5km s-min=6.6km az=112.4.

IDC I 16 16 06 25.6–3.2 46.79N 155.51E 0 3.7b,3.7
¶12081450

IDC Error ellipse: s-maj=66.8km s-min=25.8km az=149.0.
ISC I 16 16 48 22.8–.54 46.95N–.06 155.31E–.05 29–2 4.7b,3.9s 237 4-147
IDC I 16 16 48 18.4–.56 47.02N 155.53E 0 4.6,4.5 **¶13405768**
ISCJB I 16 16 48 20.5–.34 46.84N–.04 155.35E–.06 29 4.6b,3.9s
MOS I 16 16 48 22.6–1.3 46.90N 155.37E 45 4.9b,3.9s
NEIC I 16 16 48 23.9–.48 47.17N 155.59E 35 4.9b,3.9s
BJI I 16 16 48 25.2 47.15N 154.71E 30 5.0b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=11.0km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.7km az=140.2.
MOS Error ellipse: s-maj=8.9km s-min=7.5km az=100.5.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.8km az=150.0.
ISC I 16 16 57 39.8–.73 46.95N–.10 155.65E–.10 18 3.7b 47 6-79
ISCJB I 16 16 57 37.5–.59 46.98N–.07 155.6E–.10 18 3.7b **¶12081453**
IDC I 16 16 57 37.2–.75 46.98N 155.62E 0 3.9,3.8
MOS I 16 16 57 39.5–1.6 46.96N 155.59E 33 4.1b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=6.2km az=42.3.
IDC Error ellipse: s-maj=20.5km s-min=12.9km az=149.0.
MOS Error ellipse: s-maj=14.9km s-min=9.3km az=65.8.
IDC I 16 21 49 34.7–1.1 46.83N 155.35E 0 3.9,3.7b
¶12081485

IDC Error ellipse: s-maj=39.2km s-min=29.0km az=93.0.
ISC I 17 01 52 55.8–.00 46.9N–.20 155.3E–.10 18 3.8b 25 6-76
IDC I 17 01 52 52.8–1.2 46.84N 155.33E 0 3.9,3.8b **¶12081502**
ISCJB I 17 01 52 54.0–.94 47.0N–.10 155.3E–.20 18 3.8b,3.8b
NEIC I 17 01 52 58.3–.80 46.97N 155.28E 35 4.4b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=21.1km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=12.8km az=155.2.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=12.8km az=155.0.
ISC I 17 01 59 47.4–.83 46.9N–.10 155.4E–.10 18 3.8b 39 6-79
IDC I 17 01 59 44.3–.77 46.84N 155.37E 0 3.9,3.8 **¶12081503**
ISCJB I 17 01 59 45.4–.62 46.94N–.09 155.4E–.10 18 3.8b,3.8
NEIC I 17 01 59 50.0–1.5 46.95N 155.42E 39–13 4.1b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=16.1km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=8.8km az=141.4.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=8.6km az=135.0.
ISC I 17 08 38 21.3–.35 44.03N–.03 150.55E–.03 42–2 5.4b,5.0s 1456 2-151
NIED I 17 08 38 00 44.30N 150.70E 5 5.4W,5.0s **¶13405783**
IDC I 17 08 38 15.0–.35 44.04N 150.69E 0 5.2,5.2
SKHL I 17 08 38 17.6–1.4 43.60N 150.60E 55–22 6.1b,6.0s
DJA I 17 08 38 17 43.78N 149.95E 10 5.4b,6.0s
JMA I 17 08 38 17.0–.60 44.28N 150.65E 30 5.3,6.0s
NEIC I 17 08 38 18.7–1.1 44.03N 150.65E 22–7 5.4b,6.0s
MOS I 17 08 38 19.5–.87 43.94N 150.62E 43 5.5b,5.1s
ISCJB I 17 08 38 19.4–.10 43.94N–.02 150.61E–.01 43 5.3b,5.0s
BJI I 17 08 38 20.8 44.23N 150.26E 37 5.6b,5.3b
TEH I 17 08 38 21.0 44.01N 150.63E 44 5.4L,5.3b
SZGRF I 17 08 38 22.1 44.19N 151.12E 33 5.2b,5.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s245.00000°,δ53.00000°,λ-93.00000°. NP2:ϕ_s71.00000°,δ37.00000°,λ-85.00000°. $M_0$1.23000×10^{17}
IDC Error ellipse: s-maj=13.0km s-min=8.9km az=136.0.
JMA Error ellipse: s-maj=5.6km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.1km az=159.0.
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=104.3.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=1.4km az=171.2.
SZGRF East of Kuril Islands, Russia.
IDC I 17 09 47 51.4–1.9 46.83N 155.46E 0 3.8s,3.8
¶12081527

IDC Error ellipse: s-maj=46.2km s-min=21.7km az=170.0.
IDC I 17 12 50 24.6–1.2 47.00N 155.59E 0 3.9,3.8
¶12081539

IDC Error ellipse: s-maj=32.7km s-min=13.1km az=157.0.
IDC I 17 18 18 45.2–.74 46.92N 155.50E 0 3.8,3.7
¶12081557

IDC Error ellipse: s-maj=23.9km s-min=14.4km az=147.0.
ISC I 18 02 38 33.5–.60 44.00N–.08 149.35E–.06 44–4 4.2b,3.9s 134 3-81
NIED I 18 02 38 00 44.20N 149.40E 11 4.1W,3.9s **¶13405809**
ISCJB I 18 02 38 29.7–.97 43.95N–.07 149.42E–.07 33–9 4.1b,4.0s
NEIC I 18 02 38 32.5–2.5 44.04N 149.42E 33–17 4.3b,4.0s
MOS I 18 02 38 32.2–1.2 44.12N 149.30E 48 4.4b,4.0s
IDC I 18 02 38 33.6–.58 43.98N 149.41E 44–4 3.8,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ64.00000°,λ130.00000°. NP2:ϕ_s177.00000°,δ47.00000°,λ37.00000°. $M_0$1.40000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=8.2km az=161.9.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.0km az=148.0.
MOS Error ellipse: s-maj=10.4km s-min=7.8km az=114.0.
IDC Error ellipse: s-maj=14.0km s-min=12.6km az=138.0.
ISC I 18 04 04 40.9–.49 43.71N–.05 149.40E–.05 47–3 4.0b 155 3-81
NIED I 18 04 04 00 44.20N 149.60E 14 4.0W **¶13405813**
JMA I 18 04 04 37.7–.50 44.19N 149.57E 30 3.9
ISCJB I 18 04 04 39.5–.95 43.66N–.07 149.37E–.07 52–8 4.0b,3.8s
MOS I 18 04 04 40.6–.98 43.95N 149.35E 50 4.3b,3.8s
NEIC I 18 04 04 41.1–.58 43.99N 149.40E 35 4.4b,3.8s
IDC I 18 04 04 42.0–.62 43.95N 149.31E 46–4 3.7,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ68.00000°,λ143.00000°. NP2:ϕ_s162.00000°,δ56.00000°,λ27.00000°. $M_0$1.27000×10^{15}
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.2km az=175.7.
MOS Error ellipse: s-maj=13.9km s-min=9.9km az=130.9.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=10.1km az=167.0.
IDC Error ellipse: s-maj=15.8km s-min=13.0km az=176.0.
IDC I 18 08 38 52.6–3.8 47.08N 155.33E 0 3.7b,3.7
¶12081625

IDC Error ellipse: s-maj=87.3km s-min=26.8km az=154.0.
IDC I 18 13 07 45.7–1.3 46.80N 155.84E 0 3.3,3.2
¶12081647

IDC Error ellipse: s-maj=38.4km s-min=22.0km az=130.0.
IDC I 18 13 13 05.2–.79 46.89N 155.47E 0 3.9,3.8
¶12081648

IDC Error ellipse: s-maj=21.9km s-min=15.7km az=134.0.
IDC I 20 14 19 31.8–1.1 46.93N 155.44E 0 3.7,3.6b
¶12081872

IDC Error ellipse: s-maj=33.8km s-min=20.6km az=108.0.
IDC I 21 03 01 00.6–1.2 46.90N 155.34E 0 3.7,3.7s
¶12081930

IDC Error ellipse: s-maj=30.4km s-min=23.2km az=161.0.
JMA I 21 05 39 09.7–.20 43.94N 148.04E 5 3.6
¶15533620

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC I 21 18 19 28.3–.86 46.95N 155.31E 0 3.8,3.7
¶12081993

IDC Error ellipse: s-maj=26.4km s-min=16.8km az=139.0.
ISC I 21 23 43 19.6–1.0 45.8N–.20 152.7E–.10 41 3.5b 21 6-78
IDC I 21 23 43 14.1–1.3 46.02N 152.53E 0 3.8,3.8s **¶12082012**
JMA I 21 23 43 17.4–.60 46.54N 152.58E 30 4.2,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=28.8km az=125.0.
JMA Error ellipse: s-maj=10.0km s-min=8.4km az=-1.0.
ISC I 22 02 40 58.2–.54 47.00N–.07 155.47E–.07 10 4.2b,3.3s 131 4-147
ISCJB I 22 02 40 56.5–.44 47.05N–.06 155.37E–.08 10 4.2b,3.4s **¶12082025**
IDC I 22 02 40 56.7–.60 46.99N 155.41E 0 4.2s,4.2
NEIC I 22 02 40 58.3–.37 47.03N 155.42E 10 4.5b,4.2
MOS I 22 02 41 02.9–1.5 46.91N 155.27E 62 4.2b,4.2

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=4.9km az=143.3.
IDC Error ellipse: s-maj=19.4km s-min=12.8km az=152.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.3km az=147.0.
MOS Error ellipse: s-maj=10.3km s-min=9.0km az=73.2.
IDC I 22 04 57 07.2–1.0 47.06N 155.55E 0 3.8,3.6
¶12082033

IDC Error ellipse: s-maj=31.6km s-min=20.8km az=143.0.
ISC I 22 05 09 41.5–.38 47.00N–.04 155.54E–.03 15–1 5.0b,4.6s 809 4-153
NIED I 22 05 09 00 47.40N 155.20E 8 5.1W,4.6s **¶13433913**
DJA I 22 05 09 38 47.06N 155.70E 10 5.1b,4.6s
ISCJB I 22 05 09 39.3–.12 46.92N–.03 155.49E–.02 15 4.9b,4.5s
IDC I 22 05 09 39.2–.43 47.03N 155.46E 0 4.7,4.7
NEIC I 22 05 09 41.0–.19 47.06N 155.51E 10 5.0b,4.7
JMA I 22 05 09 41.3–.80 47.41N 155.23E 30 5.3,4.7
SKHL I 22 05 09 41.1–1.7 46.76N 155.84E 61–18 5.6b,5.3s
TEH I 22 05 09 42.0 47.15N 155.44E 10 5.0L,5.3s
BJI I 22 05 09 42.1 47.28N 154.83E 10 5.3b,5.0s
MOS I 22 05 09 45.8–1.2 47.07N 155.38E 60 5.1b,4.4s
SZGRF I 22 05 09 51.2 48.02N 155.62E 33 5.2b,4.4s
ISC Event type se.
NIED Moment Tension Solution. Best double couple: NP1:ϕ_s83.00000°,δ73.00000°,λ-81.00000°. NP2:ϕ_s234.00000°,δ19.00000°,λ-117.00000°. $M_0$5.18000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=1.8km az=165.5.
IDC Error ellipse: s-maj=14.1km s-min=9.7km az=142.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.3km az=156.0.
JMA Error ellipse: s-maj=13.3km s-min=8.3km az=-1.0.
MOS Error ellipse: s-maj=8.4km s-min=5.1km az=110.0.
SZGRF Kuril Islands, Russia.
ISC I 22 05 14 19.2–.42 46.99N–.05 155.58E–.04 16–1 4.8b,4.7s 357 4-147
ISCJB I 22 05 14 15.9–.26 46.83N–.04 155.42E–.04 9 4.7b,4.7s **¶13433914**
BJI I 22 05 14 17.9 47.30N 155.26E 8 5.0s,5.0b
SKHL I 22 05 14 18.5–1.9 46.66N 155.80E 55–23 6.5b,5.0b
NEIC I 22 05 14 18.7–.24 47.05N 155.52E 10 4.8b,5.0b
IDC I 22 05 14 21.7–.62 47.05N 155.48E 29–4 4.4,4.4
MOS I 22 05 14 21.5–1.1 47.11N 155.41E 43 4.9b,4.4
SZGRF I 22 05 14 28.5 47.68N 154.55E 33 5.2b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=2.9km az=147.5.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.7km az=152.0.
IDC Error ellipse: s-maj=13.8km s-min=9.6km az=146.0.
MOS Error ellipse: s-maj=9.5km s-min=5.9km az=100.6.
SZGRF Kuril Islands, Russia.
ISC I 22 05 20 24.7–.74 47.1N–.10 155.4E–.10 18 3.9b 57 4-76
IDC I 22 05 20 21.7–.76 47.00N 155.48E 0 4.0,3.9b **¶12082034**
ISCJB I 22 05 20 22.8–.61 47.11N–.09 155.5E–.10 18 3.9b,3.9b
NEIC I 22 05 20 23.3–.53 47.03N 155.46E 10 4.3b,3.9b
MOS I 22 05 20 25.7–1.2 47.12N 155.44E 42 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=14.5km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=7.8km az=137.3.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.4km az=139.0.
MOS Error ellipse: s-maj=18.2km s-min=10.9km az=56.8.
ISC I 22 23 04 10.6–1.0 47.2N–.10 155.8E–.10 18 3.7b 31 3-79
IDC I 22 23 04 07.7–1.8 47.21N 155.64E 0 3.9,3.7b **¶12082083**
ISCJB I 22 23 04 08.6–.81 47.20N–.08 155.8E–.10 18 3.7b,3.3s
MOS I 22 23 04 13.1–2.0 47.20N 155.95E 55 4.1b,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=16.4km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=9.2km az=30.5.
MOS Error ellipse: s-maj=23.0km s-min=10.7km az=85.9.
IDC I 23 16 21 29.3–2.4 47.78N 156.41E 0 3.6,3.4b
¶12082146

IDC Error ellipse: s-maj=64.5km s-min=32.5km az=0.0.
ISC I 24 02 16 04.8–.91 47.0N–.10 155.5E–.10 18 3.8b 29 4-73
ISCJB I 24 02 16 02.8–.66 46.99N–.09 155.5E–.10 18 3.8b **¶12082178**
IDC I 24 02 16 02.4–.81 46.99N 155.38E 0 3.9,3.8
MOS I 24 02 16 07.6–1.5 47.12N 155.57E 56 4.1b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=10.0km az=136.9.
IDC Error ellipse: s-maj=23.8km s-min=15.8km az=133.0.
MOS Error ellipse: s-maj=24.0km s-min=12.1km az=83.8.
ISC I 25 05 21 36.2–.55 46.81N–.08 155.44E–.08 10 4.3b,3.6s 125 4-116
ISCJB I 25 05 21 34.5–.43 46.86N–.06 155.34E–.09 10 4.2b,3.5s **¶13433991**
IDC I 25 05 21 35.2–.58 46.90N 155.34E 0 4.2,4.2
NEIC I 25 05 21 36.7–.36 46.93N 155.39E 10 4.7b,4.2
MOS I 25 05 21 38.3–1.3 46.91N 155.23E 33 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.6km az=44.4.
IDC Error ellipse: s-maj=18.2km s-min=11.5km az=145.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.7km az=145.0.
MOS Error ellipse: s-maj=11.4km s-min=8.0km az=89.7.
IDC I 25 05 28 37.4–2.5 46.95N 154.85E 0 3.8,3.5b
¶12082285

IDC Error ellipse: s-maj=62.5km s-min=30.4km az=171.0.
ISC I 25 22 29 47.3–2.4 50.1N–.10 159.0E–.10 10 3.5b 38 2-73
IDC I 25 22 29 40.6–1.1 49.63N 159.04E 0 3.6L,3.6 **¶12082329**
MOS I 25 22 29 47.3–1.7 50.29N 159.24E 13 4.2b,3.6
KRSC I 25 22 29 48.5–.80 50.33N 159.17E 5–5 4.2L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=27.5km az=109.0.
MOS Error ellipse: s-maj=26.7km s-min=10.1km az=91.5.
KRSC Event type se.
IDC I 26 10 05 40.6–2.0 46.84N 155.38E 0 3.8,3.6
¶12082365

IDC Error ellipse: s-maj=63.4km s-min=28.4km az=156.0.
IDC I 27 16 57 23.7–1.3 46.48N 154.17E 0 3.9,3.7
¶12082498

IDC Error ellipse: s-maj=52.0km s-min=24.6km az=125.0.
ISC I 27 17 00 30.2–.78 47.13N–.09 155.5E–.10 18 3.7b 36 4-76
IDC I 27 17 00 27.1–.79 47.02N 155.63E 0 3.9,3.7b **¶12082499**
ISCJB I 27 17 00 28.1–.64 47.16N–.07 155.4E–.10 18 3.8b,3.7b
MOS I 27 17 00 33.4–2.9 47.22N 155.21E 63 4.0b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=14.5km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=5.7km az=34.7.
MOS Error ellipse: s-maj=18.8km s-min=8.7km az=60.5.
ISC I 28 05 54 40.9–.67 46.9N–.10 155.78E–.09 10 3.9b 61 4-76
ISCJB I 28 05 54 38.9–.54 46.89N–.09 155.74E–.10 10 3.9b **¶12082549**
IDC I 28 05 54 39.4–.68 46.80N 155.82E 0 4.1,4.0
NEIC I 28 05 54 40.8–.52 46.85N 155.79E 10 4.2b,4.0
MOS I 28 05 54 43.6–2.7 47.03N 155.67E 50 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=6.7km az=147.2.
IDC Error ellipse: s-maj=21.5km s-min=12.7km az=153.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.2km az=146.0.
MOS Error ellipse: s-maj=15.9km s-min=9.7km az=60.1.
ISC I 30 05 19 43.9–.72 46.8N–.10 155.50E–.10 10 4.0b 82 6-79
IDC I 30 05 19 42.0–.91 46.81N 155.49E 0 4.1,4.0 **¶12082717**
NEIC I 30 05 19 44.9–4.1 46.99N 155.41E 12–26 4.4b,4.0
BJI I 30 05 19 45.1 46.83N 155.69E 31 4.7b,4.3s
MOS I 30 05 19 47.2–1.4 47.01N 155.40E 42 4.3b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=15.8km az=163.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=7.9km az=145.0.
MOS Error ellipse: s-maj=13.8km s-min=10.3km az=74.3.
KRSC II 01 11 14 22.1–.80 50.57N 158.35E 78–78 3.6L
¶14330672

KRSC Event type se.
IDC II 02 11 09 22.0–1.1 46.65N 155.78E 0 3.6,3.5
¶15954890

IDC Error ellipse: s-maj=29.4km s-min=22.3km az=119.0.
KRSC II 06 20 59 22.6–1.9 49.70N 158.00E 10–10 3.7L
¶14330682

KRSC Event type se.
IDC II 09 03 26 40.8–.87 46.03N 154.10E 0 3.9,3.7
¶15955287

IDC Error ellipse: s-maj=24.3km s-min=20.5km az=114.0.
ISC II 09 05 06 28.3–1.0 45.4N–.10 152.15E–.10 55 3.5b 33 3-79
NIED II 09 05 06 00 46.10N 152.00E 50 4.0W **¶12699825**
JMA II 09 05 06 26.8–.70 46.12N 151.99E 30 4.5
ISCJB II 09 05 06 28.0–.80 45.2N–.20 152.1E–.10 55 3.4b
MOS II 09 05 06 32.1–.73 46.27N 151.52E 78 4.1b
IDC II 09 05 06 33.7–3.9 46.14N 151.71E 77–33 3.5,3.3
ISC Event type ke.
NIED Moment Tension Solution. Best double couple: NP1:ϕ_s86.00000°,δ90.00000°,λ-123.00000°. NP2:ϕ_s355.00000°,δ33.00000°,λ-1.00000°. $M_0$1.12000×10^{15}
JMA Error ellipse: s-maj=8.9km s-min=7.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=24.5km s-min=6.5km az=159.8.
MOS Error ellipse: s-maj=44.0km s-min=21.0km az=137.4.
IDC Error ellipse: s-maj=68.2km s-min=20.9km az=152.0.
ISC II 10 03 40 34.5–1.1 49.36N–.09 158.23E–.10 35 3.3b 23 2-73
IDC II 10 03 40 28.8–1.3 49.09N 158.36E 0 3.6,3.4 **¶12699887**
MOS II 10 03 40 31.9–1.0 49.14N 158.01E 33 4.1b,3.4
ISCJB II 10 03 40 34.5–1.1 49.47N–.06 158.3E–.10 33 3.3b,3.4
KRSC II 10 03 40 34.4–1.7 49.61N 158.53E 10–10 3.9L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=31.1km az=131.0.
MOS Error ellipse: s-maj=49.8km s-min=17.7km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=9.1km az=8.9.
KRSC Event type se.
IDC II 11 06 13 21.4–1.0 46.86N 155.20E 0 3.8,3.6
¶15955408

IDC Error ellipse: s-maj=32.8km s-min=25.2km az=96.0.
KRSC II 15 13 10 34.8–.90 49.42N 158.06E 20–20 3.9L
¶14330697

KRSC Event type se.
KRSC II 18 12 58 29.9–1.3 50.57N 158.18E 74–76 3.5L
¶14330704

KRSC Event type se.
KRSC II 18 14 02 32.0–1.0 50.58N 158.06E 5–5 4.0L
MOS II 18 14 02 32.0–.89 50.58N 158.06E 5 4.2b **¶14012076**
KRSC Event type se.
MOS Error ellipse: s-maj=44.6km s-min=14.2km az=78.1.
IDC II 18 15 48 58.7–1.2 45.87N 154.70E 0 3.5,3.4
¶15956571

IDC Error ellipse: s-maj=37.3km s-min=24.4km az=120.0.
KRSC II 18 15 51 19.4–.90 50.77N 160.55E 5–5 3.7L
¶14330705

KRSC Event type se.
IDC II 19 00 32 16.7–3.9 46.82N 155.37E 0 3.6,3.4
¶15956677

IDC Error ellipse: s-maj=121.5km s-min=32.8km az=178.0.
IDC II 22 10 10 59.7–1.2 46.59N 155.88E 0 3.7,3.5
¶15956930

IDC Error ellipse: s-maj=35.6km s-min=27.5km az=123.0.
ISC II 22 10 33 46.7–.37 48.95N–.04 158.06E–.03 18–1 5.2b,4.4s 1307 2-153
ISCJB II 22 10 33 43.4–.81 48.93N–.02 158.08E–.02 6–4 5.1b,4.4s **¶13434971**
IDC II 22 10 33 43.7–.39 48.89N 158.08E 0 5.0,5.0
DJA II 22 10 33 44 49.29N 158.83E 10 5.2b,5.0
SKHL II 22 10 33 46.1–1.8 48.80N 158.26E 56–24 6.0b,5.7
BJI II 22 10 33 46.5 48.94N 157.56E 12 5.2b,4.9b
NEIC II 22 10 33 46.0–1.7 48.90N 158.05E 13–10 5.3b,4.9b
MOS II 22 10 33 48.4–.90 48.98N 158.06E 39 5.3b,4.5s
KRSC II 22 10 33 48.6–1.0 49.31N 158.74E 5–5 5.4L,4.5s
SZGRF II 22 10 33 54.1 50.08N 156.89E 33 4.9b,4.5s
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.2km az=177.7.
IDC Error ellipse: s-maj=13.7km s-min=8.7km az=150.0.
SKHL Event type fe. Felt (II) at Severo-Kurilsk.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.3km az=163.0.
MOS Event type fe. Error ellipse: s-maj=6.7km s-min=3.7km az=96.2. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se.
SZGRF Kuril Islands, Russia.
JMA II 24 06 03 29.0–.40 43.60N 148.45E 0 4.2
¶15545932

JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
KRSC II 25 04 43 17.6–.80 50.87N 158.08E 10–10 3.6L
¶14330721

KRSC Event type se.
KRSC II 27 03 48 19.0–1.2 50.27N 158.93E 10–10 3.7L
¶14330727

KRSC Event type se.
KRSC II 28 11 11 59.0–1.5 49.83N 157.28E 10–10 3.8L
¶14330728

KRSC Event type se.
ISC III 01 01 03 44.2–2.9 43.8N–.20 148.3E–.20 78–25 3.2b 21 2-65
JMA III 01 01 03 44.5–.20 43.71N 148.02E 8 3.8 **¶12702157**
ISCJB III 01 01 03 45.1–1.5 43.7N–.20 148.1E–.20 102–13 3.4b
IDC III 01 01 03 53.7–6.4 44.38N 148.28E 137–43 3.1b,3.1
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=27.6km s-min=15.2km az=153.3.
IDC Error ellipse: s-maj=213.7km s-min=28.1km az=170.0.
IDC III 01 06 54 30.4–.70 46.95N 155.33E 0 3.9,3.8
¶12702167

IDC Error ellipse: s-maj=20.6km s-min=15.6km az=114.0.
IDC III 01 07 55 33.8–.77 46.94N 155.31E 0 4.0,3.8
¶12702170

IDC Error ellipse: s-maj=23.2km s-min=15.8km az=134.0.
IDC III 02 16 52 26.1–2.1 46.84N 155.52E 0 3.6,3.5b
¶12702283

IDC Error ellipse: s-maj=85.0km s-min=30.4km az=90.0.
KRSC III 03 19 05 48.0–.70 49.85N 157.37E 82–81 3.9L
¶14523418

KRSC Event type se.
IDC III 04 10 49 59.8–2.4 47.35N 156.21E 0 3.6,3.4b
¶12702417

IDC Error ellipse: s-maj=58.9km s-min=33.1km az=0.0.
KRSC III 04 21 43 29.9–.90 50.55N 158.41E 15–15 3.9L
¶14523466

KRSC Event type se.
IDC III 05 23 03 19.1–2.3 47.26N 155.52E 0 3.6,3.5
¶12702524

IDC Error ellipse: s-maj=60.3km s-min=21.2km az=173.0.
KRSC III 13 12 35 39.2–2.1 48.77N 156.32E 10–10 3.8L
¶14523808

KRSC Event type se.
KRSC III 14 01 55 18.4–1.4 50.14N 159.30E 31–30 3.7L
¶14523824

KRSC Event type se.
ISC III 22 01 23 38.0–.65 44.77N–.08 150.38E–.06 47–5 4.0b 75 2-152
NIED III 22 01 23 00 45.00N 150.30E 20 4.0W **¶12635243**
MOS III 22 01 23 36.6–1.0 44.90N 150.35E 51 4.4b
ISCJB III 22 01 23 37.1–1.1 44.66N–.07 150.31E–.09 61–10 3.9b
JMA III 22 01 23 37.0–.70 44.98N 150.33E 30 4.6
IDC III 22 01 23 38.4–.55 44.96N 150.30E 46–5 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ71.00000°,λ101.00000°. NP2:ϕ_s62.00000°,δ22.00000°,λ59.00000°. $M_0$1.07000×10^{15}
MOS Error ellipse: s-maj=12.0km s-min=10.7km az=57.2.

ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=9.2km az=142.6.
JMA Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=16.0km s-min=10.9km az=138.0.
KRSC III 28 08 54 20.3–1.5 49.99N 159.11E 30–30 3.6L ¶14524331

KRSC Event type se.
KRSC III 29 18 45 46.9–1.8 49.65N 157.33E 5–5 3.8L ¶14524355

KRSC Event type se.
KRSC IV 01 02 07 32.8–1.7 49.80N 157.27E 10–10 3.6L ¶14509621

KRSC Event type se.
KRSC IV 01 19 01 05.9–1.4 49.48N 157.25E 5–5 4.0L ¶14509618

KRSC Event type se.
KRSC IV 02 07 40 51.2–1.1 49.56N 157.25E 80–80 3.8L ¶14509624

KRSC Event type se.
KRSC IV 02 13 16 23.6–1.8 49.64N 159.48E 5–5 3.6L ¶14509623

KRSC Event type se.
IDC IV 02 14 32 22.2–3.0 44.56N 153.43E 0 3.4,3.3 ¶16152272

IDC Error ellipse: s-maj=91.6km s-min=27.6km az=149.0.
KRSC IV 02 22 45 12.3–1.1 50.40N 159.38E 78–77 3.6L ¶14509622

KRSC Event type se.
KRSC IV 03 09 54 19.9–1.2 49.83N 159.74E 30–30 3.8L ¶14509626

KRSC Event type se.
ISC IV 07 04 38 54.6–.85 45.9N–.10 152.1E–.10 48 3.7b 43 5-79
JMA IV 07 04 38 51.7–.90 46.12N 152.29E 30 4.5 **¶12934748**
ISCJB IV 07 04 38 53.6–.71 46.1N–.10 151.9E–.10 48 3.7b
MOS IV 07 04 38 54.8–1.2 46.21N 151.88E 56 4.0b
IDC IV 07 04 38 56.7–4.3 46.17N 151.76E 55–37 3.7,3.7L
ISC Event type ke.
JMA Error ellipse: s-maj=11.1km s-min=8.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=21.2km s-min=5.0km az=142.2.
MOS Error ellipse: s-maj=22.0km s-min=14.8km az=61.2.
IDC Error ellipse: s-maj=29.0km s-min=21.5km az=150.0.
ISC IV 07 05 29 44.7–.52 45.94N–.07 152.10E–.05 37–1 5.3s,4.6b 490 3-149
BJI IV 07 05 29 41.2 46.26N 152.36E 33 5.4s,5.1b **¶12583043**
JMA IV 07 05 29 43.0–.60 46.00N 152.26E 30 4.8,5.1b
ISCJB IV 07 05 29 43.5–.54 46.09N–.04 151.90E–.04 36–5 5.3s,4.5b
MOS IV 07 05 29 44.8–.87 46.17N 151.92E 47 4.8b,4.5b
IDC IV 07 05 29 44.5–5.4 46.16N 151.87E 33–41 4.1,4.1
SKHL IV 07 05 29 45.5–2.0 46.09N 152.11E 48–6 4.8b,4.1
NEIC IV 07 05 29 48.0–.64 46.20N 151.86E 60–5 4.7b,4.1
ISC Event type se.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.3km az=159.3.
MOS Error ellipse: s-maj=9.3km s-min=5.9km az=79.4.
IDC Error ellipse: s-maj=18.6km s-min=12.3km az=156.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.2km az=161.0.
ISC IV 07 08 09 10.2–.76 45.46N–.10 152.16E–.08 30 3.6b 50 3-79
ISCJB IV 07 08 09 08.2–.51 45.50N–.07 152.14E–.07 30 3.8s,3.6b **¶12934735**
MOS IV 07 08 09 09.2–1.4 45.64N 152.22E 42 4.0b,3.6b
JMA IV 07 08 09 10.5–.50 45.84N 152.10E 30 4.8,3.6b
IDC IV 07 08 09 14.2–3.0 45.76N 151.80E 67–27 4.0,4.0s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=4.6km az=150.9.
MOS Error ellipse: s-maj=14.8km s-min=10.1km az=136.6.
JMA Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=28.2km s-min=15.8km az=136.0.
ISC IV 07 09 14 58.2–.47 45.90N–.07 152.10E–.05 48 4.6s,4.3b 194 3-152
IDC IV 07 09 14 51.6–.58 46.05N 151.96E 0 4.3,4.2 **¶12098960**
BJI IV 07 09 14 55.1 46.05N 152.27E 48 4.9b,4.6s
JMA IV 07 09 14 55.9–.60 46.00N 152.14E 30 4.8,4.6s
SKHL IV 07 09 14 55.9–1.3 45.91N 152.31E 42–4 4.9b,4.6s
ISCJB IV 07 09 14 56.4–.33 45.91N–.05 151.99E–.05 48 4.5s,4.3b
MOS IV 07 09 14 57.2–1.1 46.06N 151.97E 53 4.6b,4.3b
NEIC IV 07 09 15 00.1–.80 46.09N 151.92E 60–6 4.3b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=13.0km az=143.0.
JMA Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.0km az=147.7.
MOS Error ellipse: s-maj=10.4km s-min=7.5km az=65.3.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.4km az=150.0.
ISC IV 07 10 34 20.8–1.1 44.9N–.30 152.7E–.10 30 3.4b 24 5-79
JMA IV 07 10 34 21.1–.60 46.20N 152.20E 30 4.1 **¶12934727**
MOS IV 07 10 34 27.8–1.2 46.15N 151.77E 96 3.9b
IDC IV 07 10 34 28.9–4.5 46.08N 151.86E 86–41 3.3,3.2
ISC Event type ke.
JMA Error ellipse: s-maj=7.8km s-min=6.9km az=-1.0.
MOS Error ellipse: s-maj=36.0km s-min=26.5km az=136.3.
IDC Error ellipse: s-maj=33.1km s-min=24.5km az=148.0.
ISC IV 08 06 37 00.1–1.3 43.9N–.20 149.0E–.10 35 3.3b 19 2-81
NIED IV 08 06 37 00 43.90N 148.50E 47 3.8W **¶12934822**
JMA IV 08 06 37 01.6–.30 43.89N 148.48E 0 3.7
IDC IV 08 06 37 08.7–3.3 44.73N 148.75E 83–25 3.4,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_n264.00000°,δ88.00000°,λ-116.00000°. NP2:ϕ_s169.00000°,δ26.00000°,λ-5.00000°. $M_0$5.43000×10^{14}
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=59.7km s-min=18.1km az=164.0.
ISC IV 08 10 21 49.5–.63 45.80N–.09 152.02E–.08 48 4.1b 74 3-84
NIED IV 08 10 21 00 46.10N 152.20E 59 4.1W **¶12934812**
ISCJB IV 08 10 21 48.7–.47 45.95N–.07 151.91E–.08 48 4.1b,3.4s
JMA IV 08 10 21 48.1–.50 46.06N 152.20E 30 4.6,3.4s
MOS IV 08 10 21 49.8–1.1 46.12N 152.04E 56 4.4b,3.4s
IDC IV 08 10 21 53.4–2.6 46.13N 151.85E 70–23 3.8,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_n317.00000°,δ83.00000°,λ12.00000°. NP2:ϕ_s226.00000°,δ78.00000°,λ173.00000°. $M_0$1.68000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=3.6km az=142.5.
JMA Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0.
MOS Error ellipse: s-maj=13.1km s-min=8.2km az=64.2.
IDC Error ellipse: s-maj=18.9km s-min=12.4km az=146.0.
ISC IV 08 10 55 13.2–.87 45.5N–.10 152.23E–.07 30 3.5b 33 3-79
NIED IV 08 10 55 00 46.10N 151.90E 23 3.7W **¶12934810**
ISCJB IV 08 10 55 12.2–.61 45.71N–.10 152.06E–.09 30 3.3b
JMA IV 08 10 55 14.9–.70 46.12N 151.89E 30 4.3
MOS IV 08 10 55 17.5–1.2 45.91N 151.79E 80 4.0b
IDC IV 08 10 55 19.7–3.1 46.08N 151.74E 82–28 3.3,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_n347.00000°,δ72.00000°,λ57.00000°. NP2:ϕ_s232.00000°,δ37.00000°,λ149.00000°. $M_0$4.28000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=5.5km az=150.7.
JMA Error ellipse: s-maj=10.0km s-min=8.5km az=-1.0.
MOS Error ellipse: s-maj=19.3km s-min=11.1km az=141.2.
IDC Error ellipse: s-maj=30.3km s-min=16.3km az=142.0.
ISC IV 08 16 41 34.1–2.8 44.8N–.40 152.3E–.20 48 20 5-51
JMA IV 08 16 41 30.7–.70 46.14N 152.06E 30 4.2 **¶12934793**
IDC IV 08 16 41 31.5–4.6 46.55N 151.08E 0 3.2,3.2
ISC Event type ke.
JMA Error ellipse: s-maj=8.9km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=117.0km s-min=33.8km az=135.0.
ISC IV 09 12 41 42.6–1.2 45.1N–.30 152.7E–.10 79 3.3b 21 5-66
IDC IV 09 12 41 35.8–2.1 45.49N 153.14E 0 3.6,3.4 **¶16152584**
ISCJB IV 09 12 41 41.2–1.1 45.2N–.30 152.8E–.20 79 3.3b,3.4
ISC Event type ke.

ISCJB Event type ke.
KRSC IV 12 09 14 58.7–.30 50.66N 159.51E 42–42 3.9L ¶14509647

KRSC Event type se.
ISC IV 13 04 44 41.1–4.1 48.7N–.20 158.41E–.10 35 26 2-6
MOS IV 13 04 44 39.9–1.2 48.82N 158.53E 41 4.3b **¶14260715**
KRSC IV 13 04 44 39.9–1.4 48.82N 158.53E 41–41 4.2L
ISC Event type ke.
MOS Error ellipse: s-maj=99.9km s-min=27.4km az=93.4.
KRSC Event type se.
ISC IV 13 05 52 53.4–4.3 48.8N–.20 156.8E–.10 34 29 2-7
MOS IV 13 05 52 51.1–2.4 48.93N 156.96E 5 4.2b **¶14260716**
KRSC IV 13 05 52 51.1–1.1 48.93N 156.96E 5–14 4.1L
ISC Event type se.
MOS Error ellipse: s-maj=75.2km s-min=14.4km az=84.5.
KRSC Event type se.
KRSC IV 14 04 43 10.2–2.7 48.67N 156.36E 5–5 3.9L ¶14509660

KRSC Event type se.
KRSC IV 14 04 45 21.5–2.6 48.53N 156.47E 5–5 3.7L ¶14509659

KRSC Event type se.
KRSC IV 14 04 49 04.6–2.0 48.70N 156.45E 5–5 3.9L ¶14509658

KRSC Event type se.
KRSC IV 14 10 38 29.3–2.5 48.62N 157.39E 10–10 3.7L ¶14509657

KRSC Event type se.
ISC IV 14 13 05 06.0–.48 45.99N–.06 152.00E–.05 61–2 4.6b 371 3-150
NIED IV 14 13 05 00 46.00N 152.40E 38 4.6W **¶13438538**
JMA IV 14 13 05 01.1–.70 46.01N 152.36E 30 5.0
SKHL IV 14 13 05 02.1–2.1 46.15N 152.42E 42–3 5.4s,5.1b
ISCJB IV 14 13 05 02.3–.51 45.97N–.04 152.04E–.05 41–4 4.5b,4.0s
MOS IV 14 13 05 03.7–1.0 46.17N 151.90E 46 4.8b,4.0s
BJI IV 14 13 05 05.6 45.98N 151.92E 73 4.8b,4.6b
KRSC IV 14 13 05 05.2–2.6 45.69N 154.48E 10–10 4.8L,4.6b
NEIC IV 14 13 05 06.7–.64 46.13N 151.90E 61–5 4.8b,4.6b
IDC IV 14 13 05 07.3–2.6 46.15N 151.90E 66–22 4.2,4.1
SZGRF IV 14 13 05 16.1 47.91N 150.91E 33 4.7b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ75.00000°,λ-32.00000°. NP2:ϕ_n231.00000°,δ59.00000°,λ-163.00000°. $M_0$7.93000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=7.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=3.6km az=145.4.
MOS Error ellipse: s-maj=8.6km s-min=5.5km az=98.9.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.2km az=147.0.
IDC Error ellipse: s-maj=16.7km s-min=10.9km az=149.0.
SZGRF Kuril Islands, Russia.
ISC IV 14 19 43 39.0–.92 45.8N–.10 152.2E–.10 48 3.8b 51 5-79
NIED IV 14 19 43 00 46.00N 152.30E 35 3.8W **¶12935243**
JMA IV 14 19 43 36.6–.80 46.04N 152.31E 30 4.5
MOS IV 14 19 43 38.2–1.4 46.04N 152.04E 55 4.1b
ISCJB IV 14 19 43 38.1–.74 46.0N–.10 152.0E–.10 48 3.6b
IDC IV 14 19 43 43.1–3.0 46.21N 151.91E 72–26 3.6,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s315.00000°,δ89.00000°,λ31.00000°. NP2:ϕ_n224.00000°,δ59.00000°,λ179.00000°. $M_0$6.28000×10^{14}
JMA Error ellipse: s-maj=8.9km s-min=8.5km az=-1.0.
MOS Error ellipse: s-maj=19.8km s-min=11.9km az=59.7.
ISCJB Event type ke. Error ellipse: s-maj=20.4km s-min=4.8km az=140.7.
IDC Error ellipse: s-maj=28.2km s-min=16.8km az=139.0.
KRSC IV 15 17 10 41.7–.90 50.19N 159.07E 62–61 3.5L ¶14509664

KRSC Event type se.
ISC IV 16 05 11 13.6–.65 45.82N–.09 152.10E–.07 48 4.3b 125 3-86
NIED IV 16 05 11 00 45.90N 152.30E 35 4.1W **¶13438662**
JMA IV 16 05 11 12.8–.70 45.90N 152.30E 30 4.9
SKHL IV 16 05 11 12.7–.90 45.80N 152.34E 39–5 4.9b
ISCJB IV 16 05 11 12.2–.48 45.71N–.08 152.15E–.08 48 4.2b
MOS IV 16 05 11 13.7–1.1 45.83N 152.15E 58 4.9b
NEIC IV 16 05 11 15.7–.83 46.32N 151.84E 42–8 4.6b
IDC IV 16 05 11 16.5–2.8 46.36N 151.77E 52–24 3.9,3.9L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s337.00000°,δ63.00000°,λ55.00000°. NP2:ϕ_n214.00000°,δ43.00000°,λ138.00000°. $M_0$1.36000×10^{15}
JMA Error ellipse: s-maj=8.9km s-min=7.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=3.3km az=146.7.
MOS Error ellipse: s-maj=11.7km s-min=9.3km az=58.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=6.3km az=154.0.
IDC Error ellipse: s-maj=34.9km s-min=14.5km az=168.0.
ISC IV 16 05 16 22.7–.48 45.80N–.07 152.14E–.06 48 4.3b 151 3-150
ISCJB IV 16 05 16 21.0–.37 45.75N–.06 152.11E–.06 48 4.4b **¶13438663**
JMA IV 16 05 16 21.6–.60 45.86N 152.32E 30 5.0
SKHL IV 16 05 16 22.4–.50 45.96N 152.28E 52–4 5.2b,4.0s
MOS IV 16 05 16 23.1–1.2 46.14N 152.01E 53 4.9b,4.0s
BJI IV 16 05 16 24.5 45.80N 151.90E 70 4.6b,4.2s
NEIC IV 16 05 16 25.5–.78 46.19N 151.97E 58–7 4.7b,4.2s
IDC IV 16 05 16 26.2–2.5 46.26N 151.87E 61–22 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=2.9km az=146.4.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
MOS Error ellipse: s-maj=10.5km s-min=8.0km az=60.9.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.3km az=151.0.
IDC Error ellipse: s-maj=24.0km s-min=12.5km az=162.0.
KRSC IV 20 08 42 40.2–1.6 48.52N 156.66E 10–10 4.1L ¶14510102

KRSC Event type se.
JMA IV 21 01 21 11.2–.30 43.99N 148.07E 0 3.8 ¶15416423

JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
KRSC IV 21 15 34 47.1–.90 49.34N 158.61E 42–41 4.3L
MOS IV 21 15 34 23.5–.54 47.53N 158.66E 36 4.4b **¶14263021**
KRSC Event type se.
MOS Error ellipse: s-maj=57.1km s-min=9.0km az=90.3.
JMA IV 21 16 25 48.5–.40 43.98N 148.08E 0 3.7 ¶15416588

JMA Error ellipse: s-maj=4.4km s-min=3.2km az=-1.0.
ISC IV 22 14 32 35.2–.87 45.67N–.07 152.12E–.06 34–2 4.4b,3.6s 138 3-116
NIED IV 22 14 32 00 45.80N 152.20E 17 4.1W,3.6s **¶13438992**
BJI IV 22 14 32 26.2 46.32N 153.16E 20 4.9b,4.9b
IDC IV 22 14 32 30.9–.63 45.85N 151.83E 0 4.2,4.2
JMA IV 22 14 32 33.6–.70 45.78N 152.24E 30 4.9,4.2
ISCJB IV 22 14 32 33.2–1.1 45.71N–.05 152.06E–.06 29–8 4.2b,3.6s
SKHL IV 22 14 32 34.1–1.3 45.66N 152.44E 49–18 4.9b,3.9s
MOS IV 22 14 32 35.1–1.3 45.84N 152.05E 45 4.5b,3.9s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s317.00000°,δ82.00000°,λ31.00000°. NP2:ϕ_n223.00000°,δ60.00000°,λ171.00000°. $M_0$1.82000×10^{15}
IDC Error ellipse: s-maj=18.3km s-min=12.8km az=145.0.
JMA Error ellipse: s-maj=8.9km s-min=7.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=4.3km az=145.1.
MOS Error ellipse: s-maj=10.1km s-min=7.0km az=83.0.
ISC IV 22 21 19 39.0–.95 45.4N–.10 152.4E–.10 30 3.8b,3.5s 58 3-79
NIED IV 22 21 19 00 46.20N 152.30E 32 4.0W,3.5s **¶12935936**
JMA IV 22 21 19 37.4–.70 46.21N 152.27E 30 4.5,3.5s
MOS IV 22 21 19 43.1–.97 46.13N 151.78E 56 4.3b,3.5s
IDC IV 22 21 19 44.0–2.8 45.97N 151.90E 50–25 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s326.00000°,δ82.00000°,λ25.00000°. NP2:ϕ_n232.00000°,δ65.00000°,λ171.00000°. $M_0$1.30000×10^{15}

JMA Error ellipse: s-maj=10.0km s-min=7.7km az=-1.0.
MOS Error ellipse: s-maj=20.5km s-min=11.3km az=51.0.
IDC Error ellipse: s-maj=26.8km s-min=17.8km az=141.0.
IDC IV 24 16 09 16.9–.95 47.27N 155.87E 0 3.7,3.5
¶16153342

IDC Error ellipse: s-maj=31.0km s-min=18.8km az=111.0.
ISC IV 25 14 08 09.6–2.0 45.1N–.30 152.1E–.20 41 23 5-65
JMA IV 25 14 08 10.6–.80 45.60N 151.90E 30 4.1 **¶12936148**
IDC IV 25 14 08 17.3–4.9 46.10N 151.36E 57–34 3.4,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=11.1km s-min=8.6km az=-1.0.
IDC Error ellipse: s-maj=104.3km s-min=31.0km az=149.0.
ISC IV 26 21 53 11.9–1.8 50.98N–.07 158.21E–.06 15–13 47 1-73
MOS IV 26 21 53 11.9–.59 50.81N 158.24E 33 4.2b **¶12936203**
KRSC IV 26 21 53 15.1–.70 51.08N 158.27E 34–33 4.1L
IDC IV 26 21 53 17.6–7.2 51.15N 158.35E 51–40 3.6,3.6L
ISC Event type se.
MOS Error ellipse: s-maj=30.3km s-min=12.1km az=77.2.
KRSC Event type se.
IDC Error ellipse: s-maj=91.1km s-min=26.4km az=52.0.
KRSC IV 29 16 32 42.1–1.6 48.32N 156.90E 13–12 3.9L
¶14510113

KRSC Event type se.
KRSC V 07 10 19 51.9–.70 48.92N 156.20E 5–5 4.1L
MOS V 07 10 19 51.9–1.4 48.92N 156.20E 5 4.2b **¶14264753**
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=18.8km az=78.1.
ISC V 09 12 58 04.2–2.5 43.94N–.09 149.2E–.10 72–26 3.4b 48 3-81
JMA V 09 12 58 02.8–.40 44.60N 149.06E 30 4.3 **¶13678611**
IDC V 09 12 58 05.6–3.8 44.69N 149.17E 55–31 3.5,3.5L
ISCJB V 09 12 58 05.4–1.1 43.85N–.07 148.98E–.10 101–11 3.2b,3.5L
ISC Event type ke.
ISCJB Event type ke.
IDC V 11 19 54 07.8–1.1 48.54N 156.14E 0 3.6,3.4
¶16155649

IDC Error ellipse: s-maj=52.7km s-min=22.3km az=120.0.
ISC V 12 13 12 13.4–1.2 44.0N–.10 151.97E–.09 13 3.9b 34 4-67
IDC V 12 13 12 11.1–1.0 44.44N 152.22E 0 3.9,3.7 **¶13678815**
MOS V 12 13 12 15.4–1.6 44.62N 152.13E 49 4.0b,3.7
JMA V 12 13 12 17.7–.60 44.92N 151.71E 30 4.3,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=19.4km az=155.0.
MOS Error ellipse: s-maj=27.3km s-min=21.2km az=51.5.
JMA Error ellipse: s-maj=7.8km s-min=5.5km az=-1.0.
IDC V 14 03 00 41.2–1.4 49.34N 158.22E 0 3.9,3.6b
¶16155731

IDC Error ellipse: s-maj=61.6km s-min=25.4km az=118.0.
KRSC V 14 05 16 35.9–1.4 49.44N 157.08E 54–53 3.9L
¶14785083

KRSC Event type se.
ISC V 14 12 07 53.8–.92 45.6N–.10 152.05E–.09 30 3.7b 46 3-79
NIED V 14 12 07 00 46.00N 151.80E 20 4.0W **¶13678935**
ISCJB V 14 12 07 52.7–.63 45.52N–.09 152.03E–.08 30 3.6b,3.2s
JMA V 14 12 07 55.7–.50 45.98N 151.82E 30 4.4,3.2s
MOS V 14 12 07 55.1–1.2 45.86N 151.92E 50 4.0b,3.2s
IDC V 14 12 07 58.2–2.8 45.99N 151.64E 56–25 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s126.00000°,δ76.00000°,λ-21.00000°. NP2:ϕ_s221.00000°,δ70.00000°,λ-165.00000°. $M_0$1.09000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=5.5km az=152.3.
JMA Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0.
MOS Error ellipse: s-maj=18.1km s-min=12.3km az=149.6.
IDC Error ellipse: s-maj=25.7km s-min=16.0km az=129.0.
ISC V 15 11 18 54.7–2.0 45.1N–.10 152.0E–.10 41 34 3-74
IDC V 15 11 18 42.1–6.0 45.66N 152.69E 0 3.7,3.7 **¶13678991**
MOS V 15 11 18 46.2–1.3 45.81N 152.44E 63 4.0b,3.7
JMA V 15 11 18 50.0–.60 46.29N 151.92E 30 4.4,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=123.7km s-min=31.1km az=134.0.
MOS Error ellipse: s-maj=41.8km s-min=22.9km az=143.2.
JMA Error ellipse: s-maj=7.8km s-min=6.9km az=-1.0.
ISC V 18 16 31 38.3–.77 45.6N–.10 152.26E–.09 55 3.6b 36 3-79
JMA V 18 16 31 36.0–.80 46.19N 152.17E 30 4.4 **¶13439691**
ISCJB V 18 16 31 37.1–.66 45.56N–.10 152.18E–.09 55 3.6b
MOS V 18 16 31 41.7–1.7 45.89N 151.88E 96 3.8b
IDC V 18 16 31 42.4–3.0 45.99N 151.91E 85–26 3.6,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=10.0km s-min=9.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=5.0km az=150.7.
MOS Error ellipse: s-maj=18.3km s-min=14.4km az=52.1.
IDC Error ellipse: s-maj=28.6km s-min=18.2km az=135.0.
KRSC V 23 20 55 34.5–.80 48.77N 156.04E 10–10 3.9L
¶14785232

KRSC Event type se.
ISC V 25 21 26 42.2–1.3 43.8N–.10 149.8E–.10 51 3.6b 27 2-81
NIED V 25 21 26 00 44.50N 149.80E 17 3.5W **¶13679642**
IDC V 25 21 26 39.8–3.4 44.99N 149.82E 0 3.8,3.7b
ISCJB V 25 21 26 40.5–1.1 43.7N–.10 149.8E–.10 51 3.6b,3.7b
JMA V 25 21 26 40.0–.50 44.52N 149.81E 30 3.9,3.7b
MOS V 25 21 26 46.3–.96 45.13N 149.64E 58 4.1b,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ53.00000°,λ72.00000°. NP2:ϕ_s224.00000°,δ41.00000°,λ112.00000°. $M_0$1.83000×10^{14}
IDC Error ellipse: s-maj=102.9km s-min=32.6km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=18.4km s-min=6.4km az=151.6.
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
MOS Error ellipse: s-maj=59.5km s-min=34.4km az=34.7.
KRSC V 26 06 27 50.8–2.0 49.75N 157.03E 5–5 3.8L
¶14785278

KRSC Event type se.
IDC V 28 16 43 01.4–1.0 47.08N 156.42E 0 3.7,3.6
¶16156278

IDC Error ellipse: s-maj=28.6km s-min=18.5km az=151.0.
KRSC VI 01 00 19 09.2–1.5 48.22N 157.25E 20–20 4.2L
¶14775849

KRSC Event type se.
KRSC VI 01 20 11 09.4–1.1 49.71N 157.15E 10–10 3.9L
¶14775852

KRSC Event type se.
JMA VI 03 11 51 54.5–.40 43.96N 148.06E 0 3.7
NIED VI 03 11 51 00 44.00N 148.10E 32 3.3W **¶14485296**
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s244.00000°,δ71.00000°,λ-149.00000°. NP2:ϕ_s143.00000°,δ61.00000°,λ-22.00000°. $M_0$1.10000×10^{14}
KRSC VI 04 09 41 22.5–1.2 48.99N 156.35E 10–10 4.1L
¶14775894

KRSC Event type se.
KRSC VI 04 10 43 59.5–.70 48.74N 156.64E 5–5 3.9L
¶14775895

KRSC Event type se.
KRSC VI 05 09 43 00.6–1.0 48.98N 156.06E 9–10 4.1L
MOS VI 05 09 43 00.3–2.7 48.92N 156.08E 33 4.2b **¶14775901**
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=19.1km az=76.4.
ISC VI 07 05 29 34.5–1.3 43.87N–.07 148.06E–.08 66–10 4.1b 60 1-82
NIED VI 07 05 29 00 43.70N 147.80E 50 3.9W **¶12952870**
ISCJB VI 07 05 29 34.4–.87 43.93N–.06 147.93E–.08 76–6 3.9b
JMA VI 07 05 29 34.2–.20 43.73N 147.82E 12 4.3
MOS VI 07 05 29 34.8–.88 44.01N 147.96E 77 4.4b
IDC VI 07 05 29 36.4–3.8 43.94N 147.89E 80–25 3.9,3.8b
ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s240.00000°,δ82.00000°,λ-145.00000°. NP2:ϕ_s144.00000°,δ55.00000°,λ-10.00000°. $M_0$8.45000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=5.6km az=44.8.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=16.2km s-min=10.5km az=92.4.
IDC Error ellipse: s-maj=57.9km s-min=18.5km az=170.0.
ISC VI 07 11 06 15.0–4.2 48.4N–.20 157.9E–.10 35 35 3-7
KRSC VI 07 11 06 12.7–1.5 48.53N 158.18E 10–10 4.2L **¶14775907**
MOS VI 07 11 06 12.9–2.5 48.52N 158.16E 33 4.3b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=91.7km s-min=19.0km az=92.5.
ISC VI 08 03 07 38.4–.92 45.5N–.10 152.47E–.09 55 3.4b 44 3-79
NIED VI 08 03 07 00 46.20N 152.20E 5 3.9W **¶13680865**
ISCJB VI 08 03 07 37.7–.72 45.59N–.10 152.33E–.10 55 3.4b,3.1s
MOS VI 08 03 07 37.9–2.0 46.18N 152.16E 39 3.9b,3.1s
JMA VI 08 03 07 37.0–.70 46.24N 152.22E 30 4.3,3.1s
IDC VI 08 03 07 42.2–3.2 46.28N 152.13E 58–28 3.4,3.4L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ54.00000°,λ64.00000°. NP2:ϕ_s264.00000°,δ43.00000°,λ121.00000°. $M_0$8.00000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=4.4km az=146.7.
MOS Error ellipse: s-maj=23.3km s-min=13.5km az=135.1.
JMA Error ellipse: s-maj=10.0km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=40.3km s-min=18.5km az=163.0.
ISC VI 08 12 41 35.8–1.1 45.1N–.10 153.44E–.09 79 3.6b 52 4-80
NIED VI 08 12 41 00 46.20N 153.20E 8 4.0W **¶13680897**
JMA VI 08 12 41 33.9–.90 46.18N 153.21E 30 4.2
IDC VI 08 12 41 33.3–.92 46.11N 153.03E 0 3.8,3.7
ISCJB VI 08 12 41 36.7–.74 45.1N–.10 153.20E–.09 79 3.5b,3.7
MOS VI 08 12 41 36.5–1.1 46.33N 152.89E 36 4.1b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ56.00000°,λ105.00000°. NP2:ϕ_s24.00000°,δ37.00000°,λ69.00000°. $M_0$9.99000×10^{14}
JMA Error ellipse: s-maj=8.9km s-min=9.2km az=-1.0.
IDC Error ellipse: s-maj=28.2km s-min=16.1km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=5.2km az=152.9.
MOS Error ellipse: s-maj=22.6km s-min=11.5km az=54.3.
KRSC VI 08 16 43 03.5–.60 49.93N 157.14E 10–10 3.9L
¶14775912

KRSC Event type se.
KRSC VI 09 04 23 38.3–1.4 49.69N 157.08E 10–10 4.1L
MOS VI 09 04 23 38.3–.68 49.69N 157.08E 10 4.3b **¶14775913**
KRSC Event type se.
MOS Error ellipse: s-maj=97.6km s-min=27.6km az=82.6.
ISC VI 14 00 49 08.3–.94 45.3N–.10 152.17E–.09 30 3.9b 41 3-79
NIED VI 14 00 49 00 45.90N 151.80E 32 3.9W **¶13681321**
JMA VI 14 00 49 10.8–.80 45.91N 151.79E 30 4.5
MOS VI 14 00 49 11.9–1.1 45.97N 151.67E 64 4.1b
IDC VI 14 00 49 15.5–2.9 45.94N 151.65E 78–25 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s131.00000°,δ80.00000°,λ-28.00000°. NP2:ϕ_s226.00000°,δ62.00000°,λ-169.00000°. $M_0$8.11000×10^{14}
JMA Error ellipse: s-maj=7.8km s-min=7.7km az=-1.0.
MOS Error ellipse: s-maj=21.0km s-min=13.3km az=59.2.
IDC Error ellipse: s-maj=27.4km s-min=16.9km az=140.0.
KRSC VI 17 08 17 10.9–2.1 47.64N 157.25E 5–5 4.2L
MOS VI 17 08 17 50.0–.50 50.29N 158.30E 9 4.3b **¶14775928**
KRSC Event type se.
MOS Error ellipse: s-maj=53.9km s-min=21.0km az=84.4.
KRSC VI 19 06 24 44.4–1.3 50.84N 160.29E 41–40 3.6L
¶14775932

KRSC Event type se.
ISC VI 24 21 24 29.2–1.0 44.6N–.20 151.2E–.10 35 3.6b 31 4-80
JMA VI 24 21 24 31.9–.60 45.57N 150.61E 30 4.4 **¶13681982**
IDC VI 24 21 24 37.6–2.9 45.68N 150.37E 93–25 3.5,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=29.5km s-min=17.7km az=144.0.
ISC VI 25 20 58 15.8–.76 45.0N–.10 150.58E–.07 39 3.9b 35 4-83
NIED VI 25 20 58 00 45.20N 150.40E 59 3.8W **¶13682032**
ISCJB VI 25 20 58 14.5–.65 45.1N–.10 150.5E–.10 39 3.8b,3.0s
JMA VI 25 20 58 17.9–.40 45.20N 150.36E 30 4.2,3.0s
IDC VI 25 20 58 20.3–3.2 45.29N 150.26E 73–28 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s65.00000°,δ68.00000°,λ-132.00000°. NP2:ϕ_s312.00000°,δ46.00000°,λ-31.00000°. $M_0$4.85000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=4.6km az=146.6.
JMA Error ellipse: s-maj=5.6km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=25.8km s-min=19.3km az=142.0.
KRSC VI 26 20 47 20.4–1.9 49.54N 157.83E 30–30 3.8L
¶14775951

KRSC Event type se.
KRSC VI 29 06 34 20.0–.70 49.99N 158.78E 31–31 3.8L
¶14775958

KRSC Event type se.
KRSC VI 30 14 23 20.5–1.5 48.51N 156.38E 5–5 3.9L
¶14775962

KRSC Event type se.
KRSC VI 30 17 03 20.3–1.6 48.42N 156.82E 5–5 3.7L
¶14775964

KRSC Event type se.

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ISC I 04 14 34 02.1–.92 40.50N–.06 138.07E–.08 300 3.0b 21 2-90
JMA I 04 14 34 01.5–.40 40.48N 137.95E 314 3.3 **¶12080218**
ISCJB I 04 14 34 01.8–.44 40.54N–.05 137.92E–.07 300 3.0b
IDC I 04 14 34 03.1–1.3 40.64N 137.62E 275–16 3.0,2.9b
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.2km az=5.4.
IDC Error ellipse: s-maj=25.8km s-min=15.9km az=172.0.
ISC I 07 14 47 07.6–.72 44.37N–.06 140.89E–.06 237–7 3.2b 35 0-73
ISCJB I 07 14 47 06.7–.42 44.38N–.05 140.91E–.08 240–4 3.1b **¶15529455**
JMA I 07 14 47 06.9–.20 44.39N 140.85E 243–3 3.3
IDC I 07 14 47 07.5–1.1 44.41N 140.87E 232–11 3.2,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.6km az=24.4.
JMA Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=17.7km s-min=13.9km az=130.0.
ISC I 30 18 41 07.7–.85 43.64N–.08 138.86E–.09 257–10 3.6b 49 1-76
ISCJB I 30 18 41 06.7–.38 43.72N–.07 138.74E–.08 253–6 3.5b **¶12082754**
IDC I 30 18 41 07.1–.86 43.77N 138.59E 242–9 3.5,3.4
JMA I 30 18 41 07.6–.40 43.69N 138.75E 248–4 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=8.2km az=151.8.
IDC Error ellipse: s-maj=12.4km s-min=10.9km az=165.0.
JMA Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
ISC I 31 22 02 31.9–.67 42.77N–.06 137.80E–.05 278–7 3.4b 41 1-89
ISCJB I 31 22 02 31.2–.35 42.82N–.05 137.78E–.06 281–4 3.4b **¶12082866**
JMA I 31 22 02 31.4–.20 42.80N 137.74E 280–3 3.3
IDC I 31 22 02 32.0–1.1 42.89N 137.71E 272–10 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=6.7km az=167.4.
JMA Error ellipse: s-maj=2.2km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=12.8km s-min=11.4km az=176.0.
ISC II 16 20 50 57.4–.87 43.89N–.07 138.77E–.07 264 3.7b 28 2-62
ISCJB II 16 20 50 57.0–.47 43.90N–.06 138.65E–.07 264 3.5b **¶12700941**
JMA II 16 20 50 58.1–.30 43.96N 138.73E 265 3.0
IDC II 16 20 50 60.0–3.3 43.78N 138.20E 271–36 3.2,3.2b
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.9km az=34.2.
JMA Error ellipse: s-maj=3.3km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=54.4km s-min=31.1km az=45.0.
ISC III 25 12 55 36.2–.99 42.17N–.08 138.50E–.07 237–10 3.2b 24 1-76
ISCJB III 25 12 55 35.7–.56 42.21N–.07 138.54E–.10 244–8 3.2b **¶12635557**
JMA III 25 12 55 37.1–.40 42.16N 138.61E 243–4 3.0
IDC III 25 12 55 37.4–4.7 42.51N 138.44E 231–14 3.1,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=10.0km az=140.3.
JMA Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=109.5km s-min=13.3km az=171.0.
ISC IV 02 16 21 25.4–.59 44.51N–.05 140.94E–.05 263–5 3.7b 78 0-74
NIED IV 02 16 21 00 44.60N 140.90E 280 4.0W **¶12934307**
IDC IV 02 16 21 24.9–.51 44.57N 140.88E 255–5 3.5,3.4
MOS IV 02 16 21 24.2–.81 44.53N 140.84E 265 3.9b,3.4
JMA IV 02 16 21 24.2–.20 44.57N 140.85E 269–2 3.6,3.4
ISCJB IV 02 16 21 24.4–.26 44.53N–.04 140.91E–.06 265–2 3.5b,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s289.00000°,δ77.00000°,λ-111.00000°. NP2:ϕ_s169.00000°,δ24.00000°,λ-32.00000°. $M_0$1.14000×10^{15}
ISCJB Event type ke.
ISC IV 03 07 49 37.9–.97 43.63N–.09 138.32E–.08 268–10 2.9b 26 2-88
JMA IV 03 07 49 36.8–.30 43.78N 138.12E 267 2.8 **¶12934406**
ISCJB IV 03 07 49 37.0–.58 43.69N–.08 138.25E–.09 272–7 2.8b
IDC IV 03 07 49 37.6–1.1 43.77N 138.19E 262–11 3.0,2.8
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=9.3km az=152.4.
IDC Error ellipse: s-maj=22.6km s-min=13.1km az=140.0.
ISC IV 16 09 15 25.7–2.7 40.94N–.04 138.49E–.05 7–17 25 1-77
ISCJB IV 16 09 15 25.8–1.7 40.92N–.03 138.39E–.04 25–16 3.6b **¶12935370**
JMA IV 16 09 15 25.4–.20 40.96N 138.31E 38 3.7
IDC IV 16 09 15 30.9–2.0 40.88N 138.22E 49–27 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=38.1.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=34.7km s-min=28.0km az=124.0.
ISC IV 30 04 45 50.6–.70 44.11N–.06 139.83E–.07 270–7 3.4b 47 1-76
JMA IV 30 04 45 49.9–.40 44.23N 139.69E 269–4 3.6 **¶13439212**
ISCJB IV 30 04 45 49.8–.36 44.15N–.05 139.80E–.08 274–4 3.4b
IDC IV 30 04 45 50.3–.69 44.26N 139.70E 258–7 3.4,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=8.1km az=27.4.
IDC Error ellipse: s-maj=14.4km s-min=10.6km az=168.0.
ISC IV 30 15 52 20.9–1.6 39.21N–.04 138.35E–.05 6–10 3.8b 35 1-91
NIED IV 30 15 52 00 39.30N 138.30E 8 3.7W **¶12936495**
ISCJB IV 30 15 52 20.9–1.0 39.24N–.03 138.33E–.06 16–8 3.6b
IDC IV 30 15 52 20.2–.81 39.20N 138.33E 0 3.9,3.7
JMA IV 30 15 52 21.9–.10 39.25N 138.32E 46–4 4.0,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ63.00000°,λ66.00000°. NP2:ϕ_s39.00000°,δ36.00000°,λ129.00000°. $M_0$3.89000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.2km az=23.9.
IDC Error ellipse: s-maj=32.2km s-min=15.2km az=108.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC V 21 21 11 44.2–.73 43.64N–.06 139.87E–.06 230–6 3.5b 43 1-68
NIED V 21 21 11 00 43.70N 139.80E 250 3.7W **¶13679389**
ISCJB V 21 21 11 43.1–.39 43.65N–.05 139.86E–.06 235–4 3.5b
IDC V 21 21 11 43.9–.95 43.73N 139.76E 221–11 3.3,3.2
JMA V 21 21 11 44.0–.20 43.72N 139.79E 225–2 3.5,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s89.00000°,δ71.00000°,λ-154.00000°. NP2:ϕ_s350.00000°,δ65.00000°,λ-21.00000°. $M_0$3.77000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.7km az=143.3.
IDC Error ellipse: s-maj=20.0km s-min=16.3km az=6.0.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC VI 14 02 19 32.4–.59 42.77N–.06 136.57E–.06 341 3.5b 40 2-89
ISCJB VI 14 02 19 31.5–.32 42.81N–.04 136.47E–.06 341 3.5b **¶13681325**
IDC VI 14 02 19 31.9–.87 42.83N 136.34E 320–7 3.4,3.3
JMA VI 14 02 19 35.0–.40 42.76N 136.92E 330 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.8km az=43.5.
IDC Error ellipse: s-maj=16.0km s-min=8.9km az=180.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.

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JMA I 01 23 49 52.8–.20 41.96N 142.34E 68–3 2.4 ¶11593974
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISC I 02 00 01 00.8–.74 45.48N–.08 142.52E–.07 309–7 3.2b 30 0-84
JMA I 02 00 01 00.5–.30 45.58N 142.48E 311–2 3.2 **¶12079787**
IDC I 02 00 01 00.9–1.2 45.79N 142.41E 295–22 3.3,3.1b
ISCJB I 02 00 01 00.3–.49 45.54N–.08 142.6E–.10 310–6 3.4b,3.1b
ISC Event type ke.
ISCJB Event type ke.
ISC I 02 19 40 43.6–.76 45.52N–.05 142.89E–.08 323–7 3.0b 37 1-56
JMA I 02 19 40 43.7–.40 45.55N 142.87E 326–3 3.4 **¶12079846**
ISCJB I 02 19 40 43.0–.43 45.57N–.04 142.9E–.10 327–4 2.9b
IDC I 02 19 40 44.2–1.1 45.64N 142.82E 322–23 3.1,2.9b
SKHL I 02 19 40 45.2–.50 45.72N 142.98E 313–22 4.7s,4.1b
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.9km az=178.7.
IDC Error ellipse: s-maj=42.7km s-min=14.6km az=164.0.
ISC I 03 12 39 28.5–.71 42.03N–.05 142.58E–.04 60–6 4.0b 72 0-86
NIED I 03 12 39 00 42.00N 142.60E 56 3.9W **¶13404569**
ISCJB I 03 12 39 27.7–.34 42.02N–.04 142.57E–.04 69–3 3.7b
JMA I 03 12 39 28.6–.20 42.03N 142.60E 62–2 3.6
NEIC I 03 12 39 28.9–.52 42.04N 142.56E 63–5 4.3b
IDC I 03 12 39 29.8–2.0 42.02N 142.50E 72–18 3.6,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ76.00000°,λ106.00000°. NP2:ϕ_s186.00000°,δ21.00000°,λ42.00000°. $M_0$8.37000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=154.8.
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s46.00000°,δ89.00000°,λ97.00000°. NP2: ϕ_s140.00000°,δ7.00000°,λ4.00000°. Principal axes: T Plg45.0000°,Azm323.0000° ; N Plg7.0000°,Azm226.0000°; P Plg44.0000°,Azm129.0000°
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.5km az=140.0.
IDC Error ellipse: s-maj=17.0km s-min=15.1km az=156.0.
ISC I 07 09 30 58.2–.54 41.74N–.04 142.61E–.04 44–5 3.6b 99 0-147
NIED I 07 09 30 00 41.70N 142.60E 38 3.9W **¶12080625**
ISCJB I 07 09 30 56.2–.40 41.70N–.04 142.59E–.04 43–4 3.6b
MOS I 07 09 30 56.6–1.6 41.73N 142.73E 53 4.2b
JMA I 07 09 30 56.1–.10 41.70N 142.60E 38–3 3.8
NEIC I 07 09 30 56.1 41.70N 142.60E 38 3.8
IDC I 07 09 30 58.0–.75 41.67N 142.47E 45–6 3.7,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s350.00000°,δ57.00000°,λ72.00000°. NP2:ϕ_s201.00000°,δ37.00000°,λ116.00000°. $M_0$6.76000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.7km az=141.2.
MOS Error ellipse: s-maj=16.6km s-min=9.6km az=64.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s359.00000°,δ53.00000°,λ66.00000°. NP2: ϕ_s216.00000°,δ43.00000°,λ119.00000°. Principal axes: T Plg70.0000°,Azm210.0000° ; N Plg19.0000°,Azm14.0000°; P Plg5.0000°,Azm106.0000°
NEIC Event type fe. Recorded [1 JMA] in southern and southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. After JMA.
IDC Error ellipse: s-maj=16.7km s-min=10.6km az=93.0.
ISC I 10 11 17 57.2–1.1 41.71N–.04 143.95E–.05 30–7 4.2b 137 1-86
NIED I 10 11 17 00 41.70N 144.00E 23 4.3W **¶12080936**
ISCJB I 10 11 17 55.6–.74 41.61N–.03 144.03E–.06 34–6 4.2b,3.5s
MOS I 10 11 17 56.5–.81 41.60N 143.88E 41 4.3b,3.5s
NEIC I 10 11 17 57.8–1.7 41.66N 143.92E 34–12 4.4b,3.5s
JMA I 10 11 17 57.0–.20 41.70N 144.03E 46–3 4.3,3.5s
IDC I 10 11 17 57.9–2.9 41.62N 143.88E 34–21 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s83.00000°,δ47.00000°,λ-97.00000°. NP2:ϕ_s273.00000°,δ44.00000°,λ-82.00000°. $M_0$2.71000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.7km az=30.5.
MOS Error ellipse: s-maj=13.0km s-min=9.5km az=109.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.0km az=128.0.
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=16.1km s-min=13.4km az=139.0.
ISC I 10 11 39 41.0–.83 41.70N–.04 144.13E–.05 22–6 4.1b 96 1-86
NIED I 10 11 39 00 41.70N 144.00E 23 4.1W **¶12080937**
ISCJB I 10 11 39 41.0–.74 41.62N–.04 144.06E–.06 38–6 4.0b,3.2s
MOS I 10 11 39 41.3–.93 41.58N 143.93E 44 4.6b,3.2s
JMA I 10 11 39 42.1–.20 41.70N 144.03E 44–3 3.9,3.2s
NEIC I 10 11 39 42.7–.77 41.66N 143.96E 36–7 4.2b,3.2s
IDC I 10 11 39 42.5–3.3 41.63N 143.92E 34–23 4.0,3.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s96.00000°,δ49.00000°,λ-91.00000°. NP2:ϕ_s278.00000°,δ41.00000°,λ-89.00000°. $M_0$1.47000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.1km az=38.2.
MOS Error ellipse: s-maj=14.3km s-min=9.1km az=86.0.
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.9km az=134.0.
IDC Error ellipse: s-maj=19.5km s-min=16.2km az=154.0.
ISC I 11 05 57 12.0–.33 42.62N–.03 143.45E–.03 75–2 4.8b 500 0-148
NIED I 11 05 57 00 42.60N 143.50E 71 4.6W **¶13404803**
BJI I 11 05 57 09.5 42.58N 143.54E 77 5.2b,5.0b
MOS I 11 05 57 09.5–.96 42.77N 143.35E 64 4.9b,5.0b
ISCJB I 11 05 57 10.6–.22 42.62N–.02 143.44E–.02 78–1 4.7b,5.0b
JMA I 11 05 57 11.9–.10 42.59N 143.42E 68–1 4.7,5.0b
NEIC I 11 05 57 11.8–.18 42.67N 143.42E 71 4.8b,4.6W
IDC I 11 05 57 11.8–1.3 42.67N 143.39E 73–10 4.4,4.4
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s324.00000°,δ87.00000°,λ-76.00000°. NP2:ϕ_s66.00000°,δ15.00000°,λ-168.00000°. $M_0$9.65000×10^{15}
MOS Error ellipse: s-maj=7.7km s-min=6.0km az=82.2.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=156.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s314.00000°,δ88.00000°,λ-79.00000°. NP2: ϕ_s54.00000°,δ11.00000°,λ-170.00000°. Principal axes: T Plg42.0000°,Azm33.0000° ; N Plg11.0000°,Azm133.0000°; P Plg46.0000°,Azm235.0000°
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.1km az=153.0. Recorded [3 JMA] in eastern and southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$9.70000×10^{15}
IDC Error ellipse: s-maj=11.8km s-min=10.4km az=108.0.
ISC I 11 12 53 36.9–.27 42.93N–.03 143.10E–.03 98–2 4.7b 918 0-149
NIED I 11 12 53 00 42.90N 143.10E 92 4.6W **¶13404808**
SZGRF I 11 12 53 31.5 43.15N 144.21E 95 4.6b
BJI I 11 12 53 34.4 43.06N 143.30E 102 5.2b,4.8b
ISCJB I 11 12 53 35.9–.20 42.92N–.03 143.07E–.02 101–1 4.6b,4.8b
IDC I 11 12 53 36.9–.50 42.93N 143.10E 98–3 4.4,4.4
MOS I 11 12 53 36.3–.86 42.92N 143.03E 106 4.7b,4.4
NEIC I 11 12 53 37.2 42.89N 143.13E 88 4.7b,4.6W
JMA I 11 12 53 37.2–.10 42.89N 143.13E 88–1 4.5,4.6W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s320.00000°,δ47.00000°,λ-78.00000°. NP2:ϕ_s122.00000°,δ45.00000°,λ-103.00000°. $M_0$9.75000×10^{15}
SZGRF Hokkaido, Japan, region.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.5km az=171.6.
IDC Error ellipse: s-maj=9.2km s-min=8.0km az=80.0.
MOS Error ellipse: s-maj=6.8km s-min=4.7km az=101.2.
NEIC Event type fe. Felt at Sapporo. Recorded [2 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. After JMA. Moment Tensor Solution. $M_0$9.80000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s337.00000°,δ47.00000°,λ-78.00000°. NP2: ϕ_s139.00000°,δ45.00000°,λ-103.00000°. Principal axes: T Plg1.0000°,Azm58.0000° ; N Plg9.0000°,Azm148.0000°; P Plg81.0000°,Azm322.0000°
ISC I 12 03 05 31.1–.36 44.23N–.04 145.68E–.04 149–2 4.4b 283 0-151
NIED I 12 03 05 00 44.20N 145.80E 150 4.3W **¶13404816**
ISCJB I 12 03 05 29.8–.27 44.24N–.04 145.68E–.04 150–2 4.3b
BJI I 12 03 05 29.9 44.59N 145.58E 144 5.0b,4.8b
MOS I 12 03 05 30.1–1.1 44.29N 145.60E 156 4.3b,4.8b
JMA I 12 03 05 30.9–.20 44.16N 145.75E 143–2 3.8,4.8b
IDC I 12 03 05 31.1–.52 44.32N 145.63E 146–4 3.9,3.9
NEIC I 12 03 05 31.5–.55 44.29N 145.60E 151–5 4.5b,4.2W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s53.00000°,δ76.00000°,λ-122.00000°. NP2:ϕ_s301.00000°,δ34.00000°,λ-26.00000°. $M_0$2.77000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=151.6.
MOS Error ellipse: s-maj=8.9km s-min=7.5km az=100.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=13.0km s-min=7.2km az=160.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.8km az=146.0. Moment Tensor Solution. $M_0$2.80000×10^{15}
ISC I 15 19 55 56.3–1.9 41.93N–.05 144.90E–.05 13–11 4.2b 42 1-146
IDC I 15 19 55 53.6–.87 41.69N 144.99E 0 4.3,4.1b **¶12081358**
ISCJB I 15 19 55 55.8–1.5 41.87N–.04 144.91E–.06 23–10 4.1b,4.1b
JMA I 15 19 55 57.8–.10 41.95N 144.91E 60–1 4.3,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=16.8km az=177.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.1km az=24.4.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
JMA I 16 03 40 24.3–.40 41.11N 140.11E 155–4 2.1 ¶15531848
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA I 21 20 01 19.9–.10 43.06N 145.50E 52–1 3.5 ¶15533863
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC I 26 16 19 44.7–.93 43.24N–.07 141.57E–.07 191–7 3.4b 32 0-63
ISCJB I 26 16 19 44.1–.55 43.25N–.06 141.58E–.08 193–5 3.3b **¶12082387**
JMA I 26 16 19 45.5–.10 43.27N 141.52E 186–1 3.0
IDC I 26 16 19 47.0–3.5 43.70N 141.30E 179–26 3.2,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=7.9km az=140.2.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=112.4km s-min=47.9km az=156.0.
ISC I 28 13 43 13.4–.50 44.62N–.05 141.80E–.04 252–4 3.9b 132 0-150
NIED I 28 13 43 00 44.70N 141.90E 270 4.2W **¶12082574**
MOS I 28 13 43 12.4–1.3 44.72N 141.67E 254 4.3b
BJI I 28 13 43 12.3 44.87N 141.78E 247 4.3b,3.9b
ISCJB I 28 13 43 12.2–.21 44.65N–.03 141.82E–.05 255–2 3.9b,3.9b
JMA I 28 13 43 12.4–.20 44.68N 141.86E 257–2 4.3,3.9b
IDC I 28 13 43 13.4–.40 44.81N 141.80E 242–5 3.8,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s258.00000°,δ68.00000°,λ-143.00000°. NP2:ϕ_s152.00000°,δ56.00000°,λ-26.00000°. $M_0$2.65000×10^{15}
MOS Error ellipse: s-maj=11.1km s-min=7.4km az=99.7.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.1km az=7.5.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=8.1km az=173.0.
ISC I 28 16 37 11.4–.89 45.44N–.08 142.74E–.09 318–8 3.2b 32 0-56
ISCJB I 28 16 37 11.2–.61 45.50N–.08 142.8E–.10 320–6 3.0b **¶12082591**
JMA I 28 16 37 11.3–.50 45.60N 142.78E 319–4 2.9
IDC I 28 16 37 12.2–1.2 45.56N 142.76E 316–24 3.1,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=11.2km az=38.9.

JMA Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=46.4km s-min=19.2km az=166.0.
ISC I 29 06 37 29.3–.86 44.50N–.05 141.80E–.05 23–6 3.4b 21 0-146
NIED I 29 06 37 00 44.50N 141.80E 11 3.7W **¶12082646**
IDC I 29 06 37 25.6–.74 44.48N 141.57E 0 3.7,3.6
ISCJB I 29 06 37 28.5–.50 44.51N–.06 141.77E–.08 29–4 3.4b,3.6
JMA I 29 06 37 29.5–.10 44.52N 141.82E 19–2 3.6,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ48.00000°,λ81.00000°. NP2:ϕ_s213.00000°,δ42.00000°,λ100.00000°. $M_0$3.60000×10^{14}
IDC Error ellipse: s-maj=20.7km s-min=9.4km az=28.0.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=9.0km az=159.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s209.00000°,δ57.00000°,λ103.00000°. NP2: ϕ_s5.00000°,δ35.00000°,λ70.00000°. Principal axes: T Plg74.0000°,Azm155.0000° ; N Plg11.0000°,Azm21.0000°; P Plg11.0000°,Azm289.0000°
ISC I 29 17 16 23.7–.63 42.00N–.05 142.55E–.04 62–5 3.7b 59 0-76
ISCJB I 29 17 16 22.3–.45 41.98N–.05 142.57E–.04 68–3 3.6b **¶13434077**
MOS I 29 17 16 22.4–.89 41.98N 142.54E 73 4.5b
JMA I 29 17 16 23.1–.20 42.02N 142.59E 63–2 3.3
IDC I 29 17 16 23.9–.97 41.98N 142.54E 67–7 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.5km az=153.3.
MOS Error ellipse: s-maj=20.6km s-min=12.7km az=74.1.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=20.1km s-min=9.1km az=102.0.
ISC I 30 19 07 24.9–.49 42.38N–.04 143.65E–.05 54–4 4.0b 128 0-115
NIED I 30 19 07 00 42.40N 143.70E 32 4.0W **¶11657482**
BJI I 30 19 07 21.4 42.31N 143.99E 49 4.7b,4.1b
MOS I 30 19 07 22.9–.95 42.34N 143.66E 59 4.3b,4.1b
ISCJB I 30 19 07 23.3–.42 42.35N–.04 143.70E–.06 60–3 4.1b,4.1b
NEIC I 30 19 07 24.9–.31 42.38N 143.64E 58 4.4b,4.1b
JMA I 30 19 07 24.5–.10 42.37N 143.59E 55–2 4.2,4.1b
IDC I 30 19 07 25.6–.67 42.40N 143.66E 60–6 3.8,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ80.00000°,λ-139.00000°. NP2:ϕ_s213.00000°,δ50.00000°,λ-13.00000°. $M_0$1.05000×10^{15}
MOS Error ellipse: s-maj=11.8km s-min=7.7km az=74.7.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.4km az=35.1.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.0km az=131.0. Recorded [3 JMA] in southern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=13.7km s-min=8.7km az=64.0.
ISC II 01 10 19 16.9–.56 42.32N–.05 144.56E–.04 44–3 4.3b,3.9s 137 1-85
NIED II 01 10 19 00 42.30N 144.60E 26 4.1W,3.9s **¶11667207**
IDC II 01 10 19 10.2–.85 42.17N 144.56E 0 4.1,4.0
MOS II 01 10 19 14.6–1.5 42.25N 144.49E 47 4.4b,4.0
BJI II 01 10 19 14.6 42.29N 144.74E 45 5.1b,4.6s
JMA II 01 10 19 15.3 42.31N 144.56E 36–1 4.0,4.6s
ISCJB II 01 10 19 15.6–.62 42.32N–.04 144.53E–.05 48–4 4.2b,3.8s
NEIC II 01 10 19 16.6–.76 42.28N 144.55E 42–6 4.5b,4.0W
SKHL II 01 10 19 17.3–2.1 42.26N 144.50E 69–13 5.6b,2.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ63.00000°,λ119.00000°. NP2:ϕ_s152.00000°,δ39.00000°,λ46.00000°. $M_0$1.34000×10^{15}
IDC Error ellipse: s-maj=22.2km s-min=14.4km az=173.0.
MOS Error ellipse: s-maj=9.4km s-min=6.9km az=101.8.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.6km az=138.5.
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=6.5km az=138.0. Recorded [1 JMA] in eastern and southeastern Hokkaido. Moment Tensor Solution. $M_0$1.30000×10^{15}
ISC II 02 10 28 53.3–1.0 42.51N–.06 144.15E–.06 57–8 3.5b 34 0-85
NIED II 02 10 28 00 42.60N 144.10E 59 3.6W **¶12699393**
IDC II 02 10 28 45.8–1.3 42.41N 144.18E 0 3.7,3.5
ISCJB II 02 10 28 52.8–.63 42.54N–.05 144.16E–.06 62–5 3.4b,3.5
JMA II 02 10 28 53.6–.10 42.59N 144.11E 65–1 3.5,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ52.00000°,λ73.00000°. NP2:ϕ_s33.00000°,δ41.00000°,λ110.00000°. $M_0$3.24000×10^{14}
IDC Error ellipse: s-maj=30.8km s-min=19.5km az=1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.7km az=143.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC II 02 16 03 15.4–.80 42.9N–.10 145.47E–.08 39–3 3.8b 35 1-77
NIED II 02 16 03 00 42.90N 145.50E 35 4.0W **¶13434196**
ISCJB II 02 16 03 14.4–1.0 42.86N–.08 145.48E–.08 48–6 3.8b,3.6s
MOS II 02 16 03 14.6–.92 42.72N 145.51E 60 4.2b,3.6s
JMA II 02 16 03 15.3–.10 42.89N 145.48E 44–1 3.8,3.6s
IDC II 02 16 03 16.0–1.5 42.99N 145.37E 38–7 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ71.00000°,λ81.00000°. NP2:ϕ_s235.00000°,δ21.00000°,λ115.00000°. $M_0$1.31000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=14.1km s-min=7.6km az=148.2.
MOS Error ellipse: s-maj=19.9km s-min=13.1km az=102.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=35.8km s-min=15.3km az=159.0.
ISC II 03 06 30 51.1–1.1 42.28N–.08 143.00E–.07 60–8 3.6b 16 0-65
IDC II 03 06 30 45.9–22 42.83N 142.99E 0 3.7,3.6 **¶12699449**
ISCJB II 03 06 30 50.4–.96 42.28N–.09 143.0E–.10 67–5 3.5b,3.6
JMA II 03 06 30 52.2–.10 42.31N 143.02E 52–1 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=486.2km s-min=81.6km az=157.0.
ISCJB Event type fe. Error ellipse: s-maj=17.9km s-min=10.6km az=141.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC II 03 17 01 57.0–1.3 41.53N–.03 139.99E–.04 7–10 3.5b 31 0-61
ISCJB II 03 17 01 57.2–.49 41.53N–.02 139.94E–.05 23–5 3.5b **¶12699481**
JMA II 03 17 01 57.6 41.55N 139.96E 10–1 3.9
NIED II 03 17 02 00 41.50N 139.90E 8 3.8W
IDC II 03 17 02 01.8–2.9 41.67N 139.80E 37–26 3.7,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=175.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s155.00000°,δ89.00000°,λ59.00000°. NP2:ϕ_s63.00000°,δ32.00000°,λ178.00000°. Principal axes: T Plg38.0000°,Azm37.0000°; N Plg31.0000°,Azm156.0000°; P Plg36.0000° ,Azm272.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ72.00000°,λ42.00000°. NP2:ϕ_s61.00000°,δ51.00000°,λ156.00000°. $M_0$6.06000×10^{14}
IDC Error ellipse: s-maj=20.9km s-min=17.8km az=131.0.
JMA II 03 22 14 37.4 41.55N 139.95E 10–1 3.6
NIED II 03 22 14 00 41.50N 140.00E 8 3.5W **¶14149324**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s151.00000°,δ48.00000°,λ74.00000°. NP2:ϕ_s354.00000°,δ44.00000°,λ107.00000°. $M_0$2.22000×10^{14}
ISC II 04 07 14 30.4–.94 41.49N–.04 142.01E–.05 59–10 3.6b 28 1-62
IDC II 04 07 14 22.5–1.3 41.27N 141.90E 0 3.7,3.6 **¶12699516**
ISCJB II 04 07 14 29.6–.48 41.48N–.04 142.02E–.06 67–5 3.5b,3.6
JMA II 04 07 14 30.0–.10 41.49N 142.02E 62–2 3.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=33.0km s-min=27.4km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.7km az=39.7.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC II 07 00 48 02.4–.71 45.18N–.06 145.71E–.07 258–7 3.1b 45 1-83
ISCJB II 07 00 48 01.6–.48 45.26N–.06 145.8E–.10 256–5 3.1b **¶12699701**
MOS II 07 00 48 02.4–1.3 45.44N 145.51E 265 3.8b
JMA II 07 00 48 02.6–.40 45.18N 145.76E 259 3.4
IDC II 07 00 48 03.1–1.1 45.41N 145.58E 257–12 3.2,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=9.1km az=5.0.
MOS Error ellipse: s-maj=27.6km s-min=13.0km az=65.2.
JMA Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=26.9km s-min=18.0km az=144.0.
ISC II 08 17 27 48.4–.87 41.48N–.04 142.00E–.04 63–8 3.6b 45 1-71
ISCJB II 08 17 27 47.6–.40 41.48N–.03 141.98E–.05 71–4 3.6b **¶12699793**
MOS II 08 17 27 48.8–1.3 41.49N 142.21E 94 3.9b
JMA II 08 17 27 48.4–.10 41.48N 141.98E 62–2 3.4
IDC II 08 17 27 49.8–1.9 41.48N 141.96E 78–16 3.5,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.9km az=40.7.
MOS Error ellipse: s-maj=21.5km s-min=13.6km az=74.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s28.00000°,δ68.00000°,λ103.00000°. NP2: ϕ_s177.00000°,δ26.00000°,λ61.00000°. Principal axes: T Plg65.0000°,Azm320.0000° ; N Plg12.0000°,Azm203.0000°; P Plg22.0000°,Azm108.0000°
IDC Error ellipse: s-maj=24.6km s-min=14.2km az=110.0.
ISC II 09 11 52 32.4–1.2 41.74N–.07 144.4E–.10 25 3.4b 15 1-66
NIED II 09 11 52 00 41.70N 144.30E 20 3.7W **¶12699840**
IDC II 09 11 52 28.5–2.2 41.71N 144.50E 0 3.7,3.7b
ISCJB II 09 11 52 30.6–1.1 41.64N–.07 144.4E–.10 25 3.5b,3.7b
JMA II 09 11 52 33.6–.20 41.75N 144.27E 31–3 3.6,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ62.00000°,λ64.00000°. NP2:ϕ_s244.00000°,δ37.00000°,λ130.00000°. $M_0$3.91000×10^{14}
IDC Error ellipse: s-maj=45.2km s-min=29.0km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=9.0km az=22.6.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
ISC II 12 23 40 45.0–.48 45.92N–.04 142.44E–.05 335–4 3.8b 101 1-152
NIED II 12 23 40 00 45.80N 142.60E 340 4.1W **¶12700409**
MOS II 12 23 40 43.7–.92 46.05N 142.41E 328 3.9b
ISCJB II 12 23 40 44.5–.23 45.91N–.03 142.46E–.06 342–2 3.7b
JMA II 12 23 40 45.2–.30 45.83N 142.64E 341–3 4.3
IDC II 12 23 40 45.3–.57 46.03N 142.43E 328–8 3.7,3.6
SKHL II 12 23 40 46.1–1.0 45.90N 142.58E 325–3 4.8s,4.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ61.00000°,λ60.00000°. NP2:ϕ_s50.00000°,δ41.00000°,λ132.00000°. $M_0$1.63000×10^{15}
MOS Error ellipse: s-maj=15.1km s-min=8.3km az=93.9.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=167.4.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=15.6km s-min=10.2km az=176.0.
ISC II 14 23 15 30.3–1.1 44.21N–.06 142.53E–.07 230–7 3.0b 31 0-57
IDC II 14 23 15 23.1–3.1 43.34N 141.02E 252–24 3.0,2.8 **¶12700721**
ISCJB II 14 23 15 29.6–.71 44.22N–.06 142.55E–.09 232–5 2.8b,2.8
JMA II 14 23 15 30.2–.20 44.27N 142.49E 230–2 2.6,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=204.6km s-min=20.6km az=120.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=9.0km az=169.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC II 16 23 03 35.2–1.0 45.70N–.09 143.3E–.10 345–9 2.9b 22 1-56
ISCJB II 16 23 03 34.5–.76 45.72N–.09 143.4E–.10 351–7 2.8b **¶12700957**
IDC II 16 23 03 35.5–2.3 46.16N 143.18E 322–99 2.8,2.7
JMA II 16 23 03 36.5–.20 45.77N 143.39E 332 3.2,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=13.0km az=146.5.
IDC Error ellipse: s-maj=193.3km s-min=23.7km az=173.0.
JMA Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.
JMA II 17 10 26 33.3 42.87N 143.72E 115
¶14153843
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
ISC II 17 10 26 34.6–.81 42.88N–.05 143.80E–.04 113–6 3.5b 39 0-85
NIED II 17 10 26 00 42.90N 143.70E 122 3.7W **¶15543236**
ISCJB II 17 10 26 33.8–.46 42.89N–.05 143.80E–.05 117–3 3.5b
MOS II 17 10 26 33.6–.82 42.86N 143.69E 125 3.9b
JMA II 17 10 26 34.8–.10 42.91N 143.74E 112–1 3.6
IDC II 17 10 26 35.5–2.1 42.91N 143.60E 124–19 3.6,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ69.00000°,λ114.00000°. NP2:ϕ_s261.00000°,δ31.00000°,λ43.00000°. $M_0$3.47000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.5km az=158.0.
MOS Error ellipse: s-maj=37.7km s-min=17.1km az=79.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=39.6km s-min=23.9km az=101.0.
ISC II 22 14 24 11.6–.37 41.78N–.03 144.09E–.03 35–1 5.3b,5.1s 1314 1-152
NIED II 22 14 24 00 41.70N 144.20E 23 5.4W,5.1s **¶13434978**
IDC II 22 14 24 06.2–.44 41.75N 144.12E 0 5.0,5.0
DJA II 22 14 24 08 41.98N 144.26E 10 5.2b,5.0
MOS II 22 14 24 09.9–.78 41.72N 144.05E 33 5.6b,5.2s
ISCJB II 22 14 24 09.3–.64 41.75N–.02 144.01E–.02 27–4 5.2b,5.1s
JMA II 22 14 24 09.9–.20 41.71N 144.22E 34–3 5.4,5.1s
BJI II 22 14 24 11.4 41.79N 143.72E 33 5.5b,5.4s
NEIC II 22 14 24 11.7–1.2 41.75N 144.02E 33–8 5.4W,5.4W
BGS II 22 14 24 16.4–1.9 42.26N 142.33E 33 5.2b,5.4W
SZGRF II 22 14 24 16.8 42.41N 144.92E 33 5.5s,5.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ88.00000°,λ56.00000°. NP2:ϕ_s96.00000°,δ34.00000°,λ176.00000°. $M_0$1.64000×10^{17}
IDC Error ellipse: s-maj=14.2km s-min=11.1km az=107.0.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=104.4.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=153.7.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=159.0. Recorded [2 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-0.60 $M_{r\theta}$0.13 $M_{\theta\phi}$-0.43 $M_{\phi r}$1.06 Best double couple: NP1:ϕ_s13.00000°,δ72.00000°,λ76.00000°. NP2:ϕ_s231.00000° ,δ23.00000°,λ126.00000°. Principal axes: T 1.3800,Plg60.0000°,Azm262.0000° ; N -0.0400,Plg13.0000°,Azm17.0000°; P -1.3400,Plg25.0000°,Azm113.0000° $M_0$1.40000×10^{17} Moment Tensor Solution. $M_0$1.60000×10^{17}
BGS Error ellipse: s-maj=604.0km s-min=999.9km az=-1.0.
SZGRF Hokkaido, Japan, region.
ISC II 22 15 53 51.5–.78 41.74N–.06 144.20E–.08 27 3.8b 24 1-86
NIED II 22 15 53 00 41.70N 144.20E 23 4.1W **¶12701541**
IDC II 22 15 53 47.1–.84 41.64N 144.20E 0 3.9,3.8
ISCJB II 22 15 53 49.0–.63 41.61N–.05 144.32E–.10 27 3.7b,3.8
JMA II 22 15 53 51.5–.20 41.72N 144.24E 29–3 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ84.00000°,λ48.00000°. NP2:ϕ_s91.00000°,δ43.00000°,λ172.00000°. $M_0$1.50000×10^{15}
IDC Error ellipse: s-maj=22.1km s-min=17.4km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.6km az=6.0.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
ISC II 25 07 11 35.3–.91 41.54N–.03 142.08E–.04 57–9 3.9b 48 1-70
NIED II 25 07 11 00 41.50N 142.10E 56 3.8W **¶12701818**
ISCJB II 25 07 11 34.5–.36 41.54N–.03 142.07E–.04 68–4 3.8b
JMA II 25 07 11 34.9–.10 41.55N 142.07E 64–2 3.7
IDC II 25 07 11 35.5–2.6 41.52N 142.06E 60–21 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ70.00000°,λ98.00000°. NP2:ϕ_s176.00000°,δ21.00000°,λ68.00000°. $M_0$6.23000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=37.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ80.00000°,λ100.00000°. NP2: ϕ_s164.00000°,δ14.00000°,λ45.00000°. Principal axes: T Plg54.0000°,Azm312.0000° ; N Plg10.0000°,Azm208.0000°; P Plg34.0000°,Azm111.0000°
IDC Error ellipse: s-maj=20.0km s-min=15.3km az=132.0.
ISC II 26 11 44 06.5–.72 41.72N–.08 144.58E–.07 25 4.1b 52 1-85
NIED II 26 11 44 00 41.60N 144.70E 8 4.2W **¶12701919**
IDC II 26 11 44 02.8–.91 41.66N 144.64E 0 4.1,4.0b
ISCJB II 26 11 44 04.0–.56 41.61N–.05 144.67E–.07 25 4.0b,4.0b
NEIC II 26 11 44 05.1 41.64N 144.73E 38 4.4b,4.0b
JMA II 26 11 44 05.0–.40 41.64N 144.73E 38–3 4.1,4.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s192.00000°,δ79.00000°,λ66.00000°. NP2:ϕ_s79.00000°,δ27.00000°,λ155.00000°. $M_0$2.38000×10^{15}
IDC Error ellipse: s-maj=22.7km s-min=15.9km az=150.0.

ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.4km az=34.8.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=3.3km s-min=1.7km az=-1.0.

ISC	**II**	**26 11 49 06.7–1.8**	**41.8N–.20**	**144.6E–.10**	**25**	**3.6b**	**13**	**1-66**
NIED	II	26 11 49 00	41.60N	144.70E	11	3.8W		¶12701920
IDC	II	26 11 49 01.0–3.6	41.39N	144.62E	0	3.8,3.8		
JMA	II	26 11 49 04.1–.40	41.64N	144.74E	38–2	3.7,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ73.00000°,λ58.00000°. NP2: ϕ_s253.00000°,δ35.00000°,λ150.00000°. $M_0$6.23000×10^{14}
IDC Error ellipse: s-maj=80.8km s-min=28.7km az=171.0.
JMA Error ellipse: s-maj=3.3km s-min=1.7km az=-1.0.

ISC	**II**	**28 00 35 56.1–.18**	**42.57N–.02**	**142.13E–.02**	**101**	**5.5b**	**2170**	**0-154**
DJA	II	28 00 35 45	42.78N	142.51E	10	5.4b		¶13435176
BJI	II	28 00 35 54.5	42.55N	142.15E	106	5.2b,4.9b		
BGS	II	28 00 35 55.6–1.5	42.31N	141.67E	105	5.4b,4.9b		
MOS	II	28 00 35 55.3–.86	42.58N	142.13E	107	5.6b,4.4s		
JMA	II	28 00 35 55.0–.10	42.58N	142.19E	113–2	5.3,4.4s		
ISCJB	II	28 00 35 55.1–.06	42.55N–.01	142.12E–.01	105	5.5b,4.4s		
SZGRF	II	28 00 35 56.8	42.90N	142.85E	107	5.8b,4.4s		
NEIC	II	28 00 35 56.7–.08	42.61N	142.10E	105	5.5b,5.5W		
IDC	II	28 00 35 56.1–.45	42.62N	142.13E	100–3	5.1,5.1		
NIED	II	28 00 36 00	42.60N	142.20E	113	5.5W,5.1		

ISC Event type se.
BGS Error ellipse: s-maj=306.6km s-min=800.7km az=-1.0.
MOS Error ellipse: s-maj=5.9km s-min=3.9km az=103.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s92.00000°,δ89.00000°,λ107.00000°. NP2: ϕ_s184.00000°,δ17.00000°,λ2.00000°. Principal axes: T Plg43.0000°,Azm18.0000° ; N Plg17.0000°,Azm272.0000°; P Plg42.0000°,Azm166.0000°
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.3km az=148.6.
SZGRF Hokkaido, Japan, region.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=154.0. Recorded [4 JMA] in southwestern Hokkaido and [2 JMA] in southeastern Hokkaido. Also recorded [3 JMA] in Aomori and [2 JMA] in Iwate and Miyagi, Honshu. Moment Tensor Solution. s52 Moment tensor: Scale 10^{17}Nm; M_{rr}0.56 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-1.03 $M_{r\theta}$1.65 $M_{\theta\phi}$-0.47 $M_{\phi r}$0.10 Best double couple: NP1:ϕ_s65.00000°,δ81.00000°,λ121.00000°. NP2:ϕ_s170.00000° ,δ33.00000°,λ17.00000°. Principal axes: T 2.1900,Plg44.0000°,Azm6.0000° ; N -0.6900,Plg30.0000°,Azm239.0000°; P -1.5000,Plg29.0000°,Azm130.0000° $M_0$1.90000×10^{17} Moment Tensor Solution. $M_0$2.00000×10^{17}
IDC Error ellipse: s-maj=8.9km s-min=7.3km az=123.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s71.00000°,δ81.00000°,λ130.00000°. NP2:ϕ_s172.00000°,δ41.00000°,λ14.00000°. $M_0$1.97000×10^{17}

ISC	**III**	**01 08 07 19.4–1.0**	**42.24N–.05**	**142.70E–.04**	**67–7**		**26**	**0-65**
ISCJB	III	01 08 07 18.5–.63	42.23N–.05	142.71E–.05	75–5	3.4b		¶12702172
JMA	III	01 08 07 19.6–.20	42.25N	142.74E	65–2	3.0		
IDC	III	01 08 07 21.2–2.6	42.36N	142.61E	85–19	3.3b,3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.3km az=149.1.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=50.7km s-min=19.3km az=104.0.

ISC	**III**	**02 14 53 22.8–.68**	**43.76N–.07**	**145.23E–.05**	**123–6**	**3.3b**	**38**	**0-71**
ISCJB	III	02 14 53 21.9–.43	43.78N–.06	145.22E–.06	129–3	3.3b		¶12702273
JMA	III	02 14 53 22.9–.10	43.77N	145.23E	124–1	3.2		
IDC	III	02 14 53 24.1–1.9	43.84N	145.12E	133–14	3.4,3.2		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=6.8km az=166.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=30.8km s-min=13.8km az=153.0.

ISC	**III**	**06 13 02 04.0–.85**	**45.63N–.08**	**143.46E–.09**	**332**	**2.7b**	**22**	**1-56**
ISCJB	III	06 13 02 03.5–.56	45.65N–.06	143.5E–.10	332	2.6b		¶12702564
JMA	III	06 13 02 04.8–.20	45.74N	143.48E	314	2.9		
IDC	III	06 13 02 04.6–1.1	45.84N	143.34E	324–24	2.9,2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=6.7km az=22.3.
JMA Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=52.2km s-min=26.8km az=142.0.

ISC	**III**	**07 14 33 04.7–.25**	**41.79N–.03**	**143.71E–.03**	**31–1**	**5.6b,5.2s**	**1510**	**0-162**
DJA	III	07 14 32 57.9–.70	42N–8.0	144E–13	10	5.8b,5.4b		¶15850262
NIED	III	07 14 33 00	41.80N	143.80E	29	5.4W,5.4b		
BJI	III	07 14 33 03.4	41.76N	143.56E	35	5.5b,5.5b		
MOS	III	07 14 33 03.8–.85	41.79N	143.65E	35	6.0b,5.2s		
IDC	III	07 14 33 05.0–.34	41.83N	143.69E	32–2	5.1,5.1		
ISCJB	III	07 14 33 04.1–.26	41.75N–.02	143.64E–.02	37–2	5.5b,5.1s		
NEIC	III	07 14 33 04.9–.12	41.80N	143.69E	33	5.6b,5.4W		
TEH	III	07 14 33 04.0	41.77N	143.73E	28	5.5L,5.4W		
JMA	III	07 14 33 04.7–.10	41.80N	143.82E	39–3	5.4,5.4W		
GCMT	III	07 14 33 07.6–.20	41.64N	144.05E	40–0	5.3W,5.4W		
SZGRF	III	07 14 33 08.2	42.90N	143.18E	34	5.6b,5.4s		
BGS	III	07 14 33 12.2–1.7	42.72N	141.84E	33	5.4b,5.4s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ66.00000°,λ74.00000°. NP2:ϕ_s232.00000°,δ29.00000°,λ121.00000°. $M_0$1.45000×10^{17}
MOS Event type fe. Error ellipse: s-maj=7.0km s-min=3.8km az=109.4. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=9.1km s-min=7.9km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=143.3.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=145.0. Recorded [3 JMA] in southern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu. Moment Tensor Solution. s39 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s19.00000°,δ70.00000°,λ106.00000°. NP2: ϕ_s159.00000°,δ26.00000°,λ54.00000°. Principal axes: T 1.2900,Plg62.0000°,Azm313.0000° ; N 0.0400,Plg14.0000°,Azm192.0000°; P -1.3300,Plg22.0000°,Azm96.0000° $M_0$1.30000×10^{17} Moment Tensor Solution. $M_0$1.50000×10^{17}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s29.00000°,δ88.00000°,λ103.00000°. NP2: ϕ_s126.00000°,δ13.00000°,λ7.00000°. Principal axes: T Plg45.0000°,Azm312.0000° ; N Plg13.0000°,Azm209.0000°; P Plg42.0000°,Azm107.0000°
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 82, comp=152, per= 50. Moment Tensor Solution. s73,c126; s5,c5; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s218.00000°,δ24.00000° ,λ99.00000°. NP2:ϕ_s28.00000°,δ66.00000°,λ86.00000°. Principal axes: T 1.1600,Plg69.0000°,Azm291.0000°; N 0.1600,Plg4.0000°,Azm30.0000° ; P -1.3200,Plg21.0000°,Azm121.0000° $M_0$1.20000×10^{17}
SZGRF Hokkaido, Japan, region.
BGS Error ellipse: s-maj=505.9km s-min=999.9km az=-1.0.

ISC	**III**	**10 01 41 05.0–.44**	**42.38N–.03**	**143.05E–.04**	**55–3**	**4.5b,3.8s**	**223**	**0-152**
BJI	III	10 01 40 55.1	41.85N	143.73E	33	4.6b,4.4b		¶13435881
NIED	III	10 01 41 00	42.40N	143.10E	56	4.2W,4.4b		
MOS	III	10 01 41 02.7–.94	42.50N	143.03E	46	4.9b,4.4b		
IDC	III	10 01 41 04.8–.64	42.45N	143.05E	52–5	4.0,4.0		
ISCJB	III	10 01 41 04.4–.29	42.36N–.03	143.04E–.05	66–2	4.4b,4.0		
NEIC	III	10 01 41 05.5–.38	42.41N	143.07E	59–3	4.8b,4.2W		
JMA	III	10 01 41 05.9–.10	42.36N	143.11E	49–1	4.1,4.2W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ71.00000°,λ82.00000°. NP2:ϕ_s226.00000°,δ20.00000°,λ112.00000°. $M_0$2.28000×10^{15}
MOS Error ellipse: s-maj=10.0km s-min=6.3km az=108.1.
IDC Error ellipse: s-maj=15.3km s-min=11.8km az=151.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.9km az=39.7.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=131.0. Recorded [2 JMA] in southern Hokkaido. Moment Tensor Solution. $M_0$2.30000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s26.00000°,δ70.00000°,λ74.00000°. NP2: ϕ_s245.00000°,δ25.00000°,λ126.00000°. Principal axes: T Plg62.0000°,Azm272.0000° ; N Plg15.0000°,Azm32.0000°; P Plg23.0000°,Azm128.0000°

ISC	**III**	**10 23 26 38.8–1.3**	**41.31N–.03**	**140.03E–.04**	**3–11**	**3.7b**	**20**	**0-61**
ISCJB	III	10 23 26 38.5–.87	41.30N–.03	140.02E–.05	11–6	3.4b		¶12702926
JMA	III	10 23 26 39.0	41.32N	140.03E	9–1	3.3		
IDC	III	10 23 26 41.3–6.0	40.68N	139.18E	0	3.5,3.4b		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.8km az=168.9.
JMA Event type fe.
IDC Error ellipse: s-maj=217.2km s-min=27.1km az=59.0.

ISC	**III**	**11 18 50 46.2–1.4**	**45.35N–.05**	**142.8E–.10**	**10**		**10**	**0-6**
ISCJB	III	11 18 50 46.5–1.3	45.37N–.05	142.8E–.20	10			¶14161210
JMA	III	11 18 50 46.6–.20	45.35N	142.76E	3	3.9		
SKHL	III	11 18 50 47.7–.40	45.20N	142.90E	46–13	4.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.7km s-min=5.1km az=14.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

JMA	**III**	**13 15 01 52.1–.10**	**42.24N**	**144.35E**	**57–1**	**3.5**		
NIED	III	13 15 01 00	42.20N	144.30E	53	3.8W		¶14161813

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s158.00000°,δ72.00000°,λ-75.00000°. NP2:ϕ_s297.00000°,δ24.00000°,λ-129.00000°. $M_0$5.45000×10^{14}

JMA	**III**	**16 03 46 53.0–.10**	**43.29N**	**145.74E**	**58–1**	**3.7**		
NIED	III	16 03 46 00	43.30N	145.70E	50	3.6W		¶14162663

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s74.00000°,δ66.00000°,λ-126.00000°. NP2:ϕ_s314.00000°,δ42.00000°,λ-38.00000°. $M_0$3.21000×10^{14}

ISC	**III**	**18 05 01 19.8–3.8**	**41.02N–.05**	**145.95E–.07**	**13–24**	**3.5b**	**27**	**2-85**
NIED	III	18 05 01 00	41.10N	146.10E	8	3.8W		¶12703564
IDC	III	18 05 01 18.9–.81	40.78N	146.19E	0	3.8,3.7L		
JMA	III	18 05 01 20.9–.20	41.05N	146.06E	51–4	3.9,3.7L		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ68.00000°,λ-50.00000°. NP2:ϕ_s28.00000°,δ45.00000°,λ-148.00000°. $M_0$5.65000×10^{14}
IDC Error ellipse: s-maj=28.6km s-min=17.7km az=116.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISC	**III**	**20 06 52 15.9–.32**	**42.63N–.03**	**144.53E–.03**	**62–2**	**5.2b**	**1352**	**0-156**
NIED	III	20 06 52 00	42.60N	144.60E	65	5.0W		¶13436799
DJA	III	20 06 52 07.4–1.6	43N–15	145E–25	10	5.7b,5.3		
TEH	III	20 06 52 13.0	42.71N	144.38E	27	5.2L,5.3		
ISCJB	III	20 06 52 14.3–.25	42.58N–.02	144.42E–.02	57–2	5.2b,4.4s		
BJI	III	20 06 52 14.1	42.75N	144.63E	67	5.1b,5.1b		
JMA	III	20 06 52 14.6–.10	42.60N	144.54E	64–1	5.0,5.1b		
MOS	III	20 06 52 14.5–.90	42.59N	144.41E	59	5.5b,4.6s		
IDC	III	20 06 52 15.5–.49	42.62N	144.55E	56–4	5.0,5.0		
NEIC	III	20 06 52 16.8–.38	42.64N	144.38E	65–3	5.1b,5.0W		
SKHL	III	20 06 52 16.4–1.0	42.66N	144.56E	88–10	6.5s,6.2b		
SZGRF	III	20 06 52 20.9	43.80N	145.10E	43	5.2b,6.2b		
BGS	III	20 06 52 28.7–1.5	43.95N	140.81E	67	5.0b,6.2b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ85.00000°,λ108.00000°. NP2:ϕ_s154.00000°,δ19.00000°,λ15.00000°. $M_0$3.48000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=157.6.
JMA Event type fe.
MOS Error ellipse: s-maj=6.1km s-min=3.9km az=104.7.
IDC Error ellipse: s-maj=8.6km s-min=6.7km az=31.0.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=164.0. Recorded [3 JMA] in eastern and [2 JMA] in southeastern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu. Moment Tensor Solution. $M_0$3.50000×10^{16}
SZGRF Hokkaido, Japan, region.
BGS Error ellipse: s-maj=267.9km s-min=744.1km az=-1.0.

ISC	**III**	**23 19 18 48.2–.85**	**42.33N–.04**	**142.54E–.04**	**56–7**	**3.6b**	**33**	**0-66**
NIED	III	23 19 18 00	42.40N	142.60E	56	3.6W		¶12635410
ISCJB	III	23 19 18 47.2–.45	42.30N–.03	142.55E–.05	66–4	3.4b		
JMA	III	23 19 18 48.0–.20	42.35N	142.58E	60–2	3.5		
IDC	III	23 19 18 49.0–2.0	42.36N	142.93E	78–17	3.3,3.2b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s280.00000°,δ67.00000°,λ40.00000°. NP2:ϕ_s172.00000°,δ54.00000°,λ151.00000°. $M_0$2.43000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.1km az=135.9.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=41.6km s-min=14.8km az=92.0.

ISC	**III**	**25 12 16 03.2–.68**	**43.21N–.04**	**142.08E–.05**	**164–5**	**3.8b**	**49**	**0-69**
ISCJB	III	25 12 16 02.2–.38	43.21N–.04	142.11E–.06	169–3	3.5b		¶12635553
MOS	III	25 12 16 02.7–.97	43.25N	141.94E	174	4.0b		
JMA	III	25 12 16 03.2–.10	43.21N	142.16E	165–1	3.1		
IDC	III	25 12 16 03.3–.79	43.29N	141.93E	160–5	3.8s,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.5km az=30.2.
MOS Error ellipse: s-maj=23.8km s-min=13.5km az=75.8.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=20.9km s-min=15.9km az=114.0.

ISC	**III**	**28 15 20 49.0–.57**	**45.75N–.04**	**143.31E–.06**	**328–5**	**3.6b**	**70**	**1-84**
NIED	III	28 15 20 00	45.70N	143.30E	320	3.9W		¶12635780
MOS	III	28 15 20 48.9–.91	45.87N	143.30E	335	3.8b		
ISCJB	III	28 15 20 48.6–.28	45.78N–.03	143.32E–.08	332–3	3.4b		
JMA	III	28 15 20 49.6–.30	45.71N	143.29E	333–3	3.8		
IDC	III	28 15 20 49.3–.57	45.96N	143.29E	319–7	3.4,3.3		
SKHL	III	28 15 20 50.5–.30	45.90N	143.30E	332–20	4.5,4.4b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ72.00000°,λ117.00000°. NP2:ϕ_s342.00000°,δ32.00000°,λ36.00000°. $M_0$7.06000×10^{14}
MOS Error ellipse: s-maj=22.8km s-min=11.0km az=80.2.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.2km az=1.2.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=14.2km s-min=10.5km az=138.0.

ISC	**III**	**29 20 05 17.0–.83**	**45.75N–.05**	**143.70E–.09**	**337–7**	**3.2b**	**43**	**1-84**
ISCJB	III	29 20 05 16.9–.50	45.78N–.04	143.7E–.10	339–4	3.2b		¶12635885
IDC	III	29 20 05 17.4–1.2	46.09N	143.67E	319–11	3.0,2.9b		
SKHL	III	29 20 05 17.9–.50	45.90N	143.60E	342	4.1b,4.1		
MOS	III	29 20 05 18.1–1.2	46.08N	143.49E	342	3.6b,4.1		
JMA	III	29 20 05 18.3–.20	45.71N	143.60E	338	3.2,4.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=5.9km az=171.9.
IDC Error ellipse: s-maj=26.7km s-min=19.2km az=62.0.
MOS Error ellipse: s-maj=39.4km s-min=21.3km az=90.4.
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.

ISC	**III**	**30 17 22 42.5–.78**	**44.57N–.07**	**141.02E–.07**	**262–6**	**2.9b**	**32**	**0-68**
ISCJB	III	30 17 22 41.8–.47	44.58N–.06	141.05E–.10	267–4	2.7b		¶12635966
JMA	III	30 17 22 41.5–.40	44.66N	140.98E	270–4	3.0		
IDC	III	30 17 22 42.5–1.1	44.63N	141.01E	258–11	2.9,2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=9.1km az=172.9.
JMA Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=18.0km s-min=16.1km az=117.0.

ISC	**IV**	**05 01 39 49.0–.74**	**42.69N–.04**	**142.10E–.04**	**97–6**	**3.7b**	**49**	**0-69**
ISCJB	IV	05 01 39 47.9–.38	42.68N–.03	142.12E–.05	104–3	3.6b		¶12934595
JMA	IV	05 01 39 48.2–.10	42.72N	142.13E	105–1	3.3		
MOS	IV	05 01 39 48.4–1.1	42.71N	142.04E	111	4.0b		
IDC	IV	05 01 39 49.8–1.9	42.76N	142.12E	103–10	3.4s,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.7km az=36.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=24.1km s-min=12.8km az=80.7.
IDC Error ellipse: s-maj=29.4km s-min=15.9km az=132.0.

ISC	**IV**	**05 08 00 24.8–.31**	**42.35N–.03**	**142.90E–.03**	**54–2**	**4.8b,4.1s**	**664**	**0-152**
NIED	IV	05 08 00 00	42.30N	143.00E	56	4.9W,4.1s		¶13437960
DJA	IV	05 08 00 20.4–1.2	43N–11	143E–20	25	5.4b,4.8		
BJI	IV	05 08 00 20.1	42.28N	143.16E	39	4.9b,4.8b		
SZGRF	IV	05 08 00 21.4	42.95N	146.09E	53	4.6b,4.2s		
MOS	IV	05 08 00 23.3–.86	42.37N	142.86E	52	5.1b,4.2s		
ISCJB	IV	05 08 00 24.4–.23	42.28N–.02	142.96E–.02	67–1	4.6b,4.2s		
TEH	IV	05 08 00 25.0	42.44N	142.84E	49	4.8L,4.2s		
JMA	IV	05 08 00 25.7–.10	42.32N	143.00E	54–1	4.8,4.2s		
NEIC	IV	05 08 00 26.1–.38	42.37N	142.84E	65–3	4.9W,4.8b		
GCMT	IV	05 08 00 28.0–.40	42.21N	143.09E	66–2	4.9W,4.8b		
IDC	IV	05 08 00 29.5–1.1	42.47N	142.86E	96–8	4.3,4.3		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ65.00000°,λ96.00000°. NP2:ϕ_s197.00000°,δ25.00000°,λ78.00000°. $M_0$2.57000×10^{16}

SZGRF Off southeast coast of Hokkaido, Japan.
MOS Error ellipse: s-maj=7.1km s-min=4.4km az=101.5.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.6km az=156.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s20.00000°,δ83.00000°,λ89.00000°. NP2: ϕ_s208.00000°,δ7.00000°,λ98.00000°. Principal axes: T Plg52.0000°,Azm289.0000° ; N Plg1.0000°,Azm20.0000°; P Plg38.0000°,Azm111.0000°
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.1km az=148.0. Recorded [3 JMA] in southern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu. Moment Tensor Solution. $M_0$2.60000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c38; s60,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}2.59±.14 $M_{\theta\theta}$-0.81±.12; $M_{\phi\phi}$-1.78±.13; $M_{r\theta}$0.33±.08; $M_{\theta\phi}$-1.23±.10; $M_{\phi r}$0.87±.08; Best double couple: NP1:ϕ_s219.00000°,δ36.00000°,λ97.00000°. NP2:ϕ_s30.00000°,δ55.00000°,λ85.00000°. Principal axes: T 2.7600,Plg79.0000° ,Azm279.0000°; N 0.0100,Plg4.0000°,Azm33.0000°; P -2.7700,Plg10.0000°,Azm123.0000° $M_0$2.80000×10^{16}
IDC Error ellipse: s-maj=11.1km s-min=8.3km az=129.0.

ISC	**IV**	**09 10 26 30.8–.64**	**42.23N–.04**	**142.86E–.04**	**60–5**	**4.0b**	**78**	**0-147**
NIED	IV	09 10 26 00	42.20N	142.90E	53	4.1W		**¶12934898**
MOS	IV	09 10 26 28.9–1.1	42.34N	142.82E	55	4.5b		
ISCJB	IV	09 10 26 30.0–.34	42.17N–.03	142.89E–.04	70–2	3.9b		
BJI	IV	09 10 26 30.5	42.10N	143.00E	73	4.9b,4.7b		
JMA	IV	09 10 26 31.4–.10	42.23N	142.92E	55–1	3.9,4.7b		
IDC	IV	09 10 26 33.5–1.5	42.27N	142.80E	79–12	3.7,3.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ62.00000°,λ96.00000°. NP2:ϕ_s204.00000°,δ28.00000°,λ78.00000°. $M_0$1.68000×10^{15}
MOS Error ellipse: s-maj=13.8km s-min=9.5km az=95.6.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.3km az=140.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s7.00000°,δ86.00000°,λ90.00000°. NP2: ϕ_s187.00000°,δ4.00000°,λ90.00000°. Principal axes: T Plg49.0000°,Azm277.0000° ; N Plg0.0000°,Azm7.0000°; P Plg41.0000°,Azm97.0000°
IDC Error ellipse: s-maj=15.1km s-min=10.1km az=118.0.

ISC	**IV**	**11 00 48 03.2–.84**	**43.31N–.07**	**144.53E–.05**	**141–6**	**3.5b**	**32**	**0-71**
ISCJB	IV	11 00 48 02.3–.59	43.31N–.06	144.52E–.07	142–4	3.4b		**¶12935058**
JMA	IV	11 00 48 03.9–.10	43.33N	144.50E	137–1	3.1		
IDC	IV	11 00 48 05.5–4.4	43.53N	144.41E	152–15	3.2,3.1		
MOS	IV	11 00 48 14.0–1.3	47.73N	142.61E	11	3.7b,3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.8km az=174.4.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=80.1km s-min=26.8km az=170.0.
MOS Error ellipse: s-maj=26.6km s-min=11.2km az=91.3.

ISC	**IV**	**12 12 13 16.0–.75**	**42.25N–.06**	**143.07E–.05**	**61–6**	**3.9b**	**44**	**0-70**
NIED	IV	12 12 13 00	42.30N	143.10E	53	3.8W		**¶12935097**
ISCJB	IV	12 12 13 14.8–.46	42.23N–.05	143.06E–.06	70–3	3.7b		
MOS	IV	12 12 13 15.3–1.3	42.29N	143.00E	74	4.1b		
JMA	IV	12 12 13 16.8–.10	42.31N	143.06E	51–1	3.7		
IDC	IV	12 12 13 17.5–2.0	42.23N	143.03E	77–14	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ63.00000°,λ83.00000°. NP2:ϕ_s228.00000°,δ28.00000°,λ103.00000°. $M_0$4.76000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=6.0km az=147.3.
MOS Error ellipse: s-maj=17.6km s-min=11.7km az=86.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s188.00000°,δ86.00000°,λ-87.00000°. NP2: ϕ_s331.00000°,δ5.00000°,λ-127.00000°. Principal axes: T Plg41.0000°,Azm275.0000° ; N Plg3.0000°,Azm8.0000°; P Plg49.0000°,Azm101.0000°
IDC Error ellipse: s-maj=22.2km s-min=13.7km az=104.0.

ISC	**IV**	**14 11 05 41.0–.77**	**42.69N–.05**	**143.30E–.04**	**115–6**	**3.6b**	**43**	**0-70**
ISCJB	IV	14 11 05 40.1–.46	42.69N–.04	143.29E–.05	119–3	3.5b		**¶12935258**
IDC	IV	14 11 05 41.4–2.2	42.68N	143.38E	120–15	3.3,3.2		
JMA	IV	14 11 05 42.0–.10	42.71N	143.27E	105–1	3.1,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=148.7.
IDC Error ellipse: s-maj=33.0km s-min=20.5km az=148.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

ISC	**IV**	**15 08 34 45.6–.56**	**41.79N–.06**	**144.26E–.06**	**42**	**4.1b**	**68**	**1-86**
NIED	IV	15 08 34 00	41.70N	144.30E	17	4.1W		**¶12935308**
IDC	IV	15 08 34 39.7–.91	41.79N	144.20E	0	4.0,4.0		
MOS	IV	15 08 34 41.2–1.0	41.67N	144.34E	26	4.4b,4.0		
NEIC	IV	15 08 34 42.9	41.73N	144.31E	27	4.3b,4.0		
JMA	IV	15 08 34 42.9–.20	41.73N	144.31E	27–2	4.1,4.0		
ISCJB	IV	15 08 34 43.2–.49	41.70N–.04	144.33E–.07	42	4.0b,3.5s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ77.00000°,λ56.00000°. NP2:ϕ_s265.00000°,δ37.00000°,λ158.00000°. $M_0$1.79000×10^{15}
NEIC Event type se. After JMA.
ISCJB Event type se.

ISC	**IV**	**27 12 30 24.8–.64**	**45.07N–.07**	**142.79E–.06**	**278–6**	**3.5b**	**47**	**0-84**
NIED	IV	27 12 30 00	45.20N	142.80E	280	4.0W		**¶12936290**
ISCJB	IV	27 12 30 24.0–.36	45.08N–.06	142.77E–.07	280–3	3.5b		
IDC	IV	27 12 30 24.9–.50	45.25N	142.70E	273–11	3.5,3.3		
JMA	IV	27 12 30 24.1–.20	45.18N	142.76E	279–2	3.5,3.3		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s163.00000°,δ75.00000°,λ31.00000°. NP2:ϕ_s64.00000°,δ60.00000°,λ163.00000°. $M_0$1.02000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.8km az=14.7.
IDC Error ellipse: s-maj=30.2km s-min=10.8km az=171.0.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

ISC	**IV**	**28 11 21 19.6–.30**	**42.67N–.02**	**145.00E–.02**	**19–1**	**5.9b,5.0s**	**1979**	**0-158**
NIED	IV	28 11 21 00	42.50N	145.20E	23	5.2W,5.0s		**¶13439158**
IDC	IV	28 11 21 16.1–.32	42.58N	145.08E	0	5.7,5.7		
BJI	IV	28 11 21 17.0	42.67N	145.03E	18	5.4b,5.4b		
ISCJB	IV	28 11 21 18.6–.46	42.61N–.02	144.98E–.01	24–3	5.8b,5.0s		
TEH	IV	28 11 21 18.0	42.68N	144.94E	7	5.3L,5.0s		
NEIC	IV	28 11 21 18.8–.81	42.65N	144.95E	15–5	5.9b,5.2W		
MOS	IV	28 11 21 19.5–.79	42.57N	144.99E	33	6.1b,5.0s		
JMA	IV	28 11 21 19.4	42.59N	145.09E	38–1	5.4,5.0s		
SKHL	IV	28 11 21 20.2–.30	42.57N	145.33E	67–8	6.0b,5.7s		
GCMT	IV	28 11 21 22.6–.20	42.60N	145.04E	22–0	5.2W,5.7s		
BGS	IV	28 11 21 23.1–1.2	43.03N	143.28E	15	5.9b,5.3s		
SZGRF	IV	28 11 21 24.5	43.46N	145.98E	30	5.9b,5.3s		
DJA	IV	28 11 21 25.8–2.6	43N–6.0	145E–8.0	75–23	6.4,5.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s77.00000°,δ68.00000°,λ-124.00000°. NP2:ϕ_s318.00000°,δ40.00000°,λ-36.00000°. $M_0$6.92000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Felt at Bihoro, Makubetsu and Sapporo. Recorded [4 JMA] in eastern Hokkaido; [2 JMA] in central and southeastern Hokkaido; [1 JMA] in southwestern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate, Honshu. Moment Tensor Solution. s39 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.14 $M_{\theta\theta}$7.90 $M_{\phi\phi}$-1.76 $M_{r\theta}$-0.68 $M_{\theta\phi}$-3.26 $M_{\phi r}$-0.08 Best double couple: NP1:ϕ_s292.00000°,δ43.00000°,λ-83.00000°. NP2:ϕ_s103.00000° ,δ48.00000°,λ-96.00000°. Principal axes: T 8.9200,Plg2.0000°,Azm196.0000° ; N -2.7400,Plg4.0000°,Azm106.0000°; P -6.1900,Plg84.0000°,Azm314.0000° $M_0$7.90000×10^{16} Moment Tensor Solution. $M_0$6.90000×10^{16}
MOS Event type fe. Felt (II-III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
JMA Event type fe.
SKHL Event type fe. Felt (II) at Yushno-Kurilsk.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 91, comp=161, per= 50. Moment Tensor Solution. s69,c109; s6,c6; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.04±.22 $M_{\theta\theta}$7.06±.16; $M_{\phi\phi}$-2.02±.17; $M_{r\theta}$-6.13±.36; $M_{\theta\phi}$-3.23±.12; $M_{\phi r}$-0.80±.31; Best double couple: NP1:ϕ_s317.00000°,δ31.00000°,λ-43.00000°. NP2:ϕ_s86.00000°,δ69.00000°,λ-114.00000°. Principal axes: T 10.2000,Plg21.0000°,Azm193.0000°; N -2.0000,Plg22.0000°,Azm94.0000° ; P -8.3000,Plg59.0000°,Azm322.0000° $M_0$9.20000×10^{16}
SZGRF Hokkaido, Japan, region.

ISC	**IV**	**28 23 00 07.5–.50**	**41.89N–.04**	**144.28E–.04**	**42–2**	**4.4b,3.9s**	**221**	**1-86**
IDC	IV	28 23 00 01.0–.62	41.80N	144.42E	0	4.2,4.2		**¶12742569**
NIED	IV	28 23 00 00	41.80N	144.40E	26	4.3W,4.2		
MOS	IV	28 23 00 04.4–1.0	41.76N	144.31E	33	4.5b,4.2		
JMA	IV	28 23 00 04.9–.10	41.84N	144.39E	36–2	4.4,4.2		
BJI	IV	28 23 00 05.3	41.99N	144.30E	35	4.8b,4.6b		
ISCJB	IV	28 23 00 05.1–.63	41.82N–.03	144.32E–.05	37–4	4.3b,3.8s		
NEIC	IV	28 23 00 07.0–.63	41.82N	144.31E	39–5	4.6b,4.3W		

ISC Event type fe.
IDC Error ellipse: s-maj=16.7km s-min=14.8km az=142.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ73.00000°,λ63.00000°. NP2:ϕ_s266.00000°,δ32.00000°,λ145.00000°. $M_0$3.36000×10^{15}
MOS Error ellipse: s-maj=9.9km s-min=6.7km az=104.3.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.5km az=44.9.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=5.0km az=155.0. Recorded [2 JMA] in southeastern Hokkaido. Moment Tensor Solution. $M_0$3.40000×10^{15}

ISC	**IV**	**29 16 35 20.1–.69**	**43.03N–.05**	**143.99E–.05**	**124–5**	**3.8b**	**43**	**0-85**
NIED	IV	29 16 35 00	43.10N	143.90E	119	3.7W		**¶12936405**
ISCJB	IV	29 16 35 19.1–.37	43.03N–.05	143.99E–.06	129–2	3.7b		
JMA	IV	29 16 35 20.5–.10	43.06N	143.94E	122–1	3.7		
IDC	IV	29 16 35 21.0–1.3	43.06N	143.90E	132–9	3.7,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s81.00000°,δ86.00000°,λ112.00000°. NP2:ϕ_s182.00000°,δ22.00000°,λ11.00000°. $M_0$3.86000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=6.4km az=158.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=15.8km s-min=14.2km az=126.0.

ISC	**IV**	**30 10 40 51.3–.72**	**42.04N–.04**	**142.47E–.04**	**65–6**	**3.9b**	**54**	**0-147**
ISCJB	IV	30 10 40 50.3–.33	42.05N–.04	142.48E–.04	72–3	3.9b		**¶12936509**
NEIC	IV	30 10 40 51.2	42.06N	142.48E	66	4.4b		
JMA	IV	30 10 40 51.1–.10	42.06N	142.48E	66–2	3.8		
IDC	IV	30 10 40 52.9–1.6	42.11N	142.44E	78–13	3.7,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.5km az=152.3.
NEIC Event type fe. Recorded [1 JMA] in southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s14.00000°,δ85.00000°,λ97.00000°. NP2: ϕ_s135.00000°,δ9.00000°,λ31.00000°. Principal axes: T Plg49.0000°,Azm292.0000° ; N Plg7.0000°,Azm193.0000°; P Plg40.0000°,Azm97.0000°
IDC Error ellipse: s-maj=17.8km s-min=10.5km az=118.0.

ISC	**IV**	**30 19 30 50.1–.78**	**41.48N–.05**	**140.62E–.06**	**124–6**	**3.3b**	**28**	**0-61**
ISCJB	IV	30 19 30 49.2–.45	41.49N–.04	140.66E–.07	129–3	3.2b		**¶12936470**
JMA	IV	30 19 30 50.6–.10	41.50N	140.66E	121–1	2.7		
IDC	IV	30 19 30 51.4–1.8	41.51N	140.64E	137–17	3.1,3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.9km az=170.6.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=17.7km az=122.0.

ISC	**V**	**01 21 10 03.3–1.0**	**41.21N–.07**	**139.03E–.09**	**250**	**3.4b**	**16**	**1-64**
ISCJB	V	01 21 10 02.2–.53	41.25N–.06	139.02E–.08	250	3.2b		**¶13678197**
JMA	V	01 21 10 03.2–.40	41.26N	138.89E	230–3	3.0		
IDC	V	01 21 10 03.4–1.4	41.32N	138.83E	228–19	3.0,3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=7.2km az=139.6.
JMA Error ellipse: s-maj=1.1km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=31.6km s-min=18.0km az=127.0.

ISC	**V**	**06 12 12 33.7–.77**	**41.94N–.04**	**142.44E–.04**	**64–7**	**3.9b**	**45**	**0-76**
NIED	V	06 12 12 00	42.00N	142.40E	50	3.9W		**¶13439358**
ISCJB	V	06 12 12 32.8–.36	41.93N–.03	142.44E–.05	73–3	3.8b		
JMA	V	06 12 12 33.4–.20	41.92N	142.46E	64–2	3.7		
IDC	V	06 12 12 34.3–1.7	41.94N	142.47E	72–14	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ69.00000°,λ88.00000°. NP2:ϕ_s211.00000°,δ21.00000°,λ94.00000°. $M_0$7.89000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.1km az=42.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s42.00000°,δ81.00000°,λ99.00000°. NP2: ϕ_s176.00000°,δ12.00000°,λ45.00000°. Principal axes: T Plg53.0000°,Azm322.0000° ; N Plg9.0000°,Azm220.0000°; P Plg36.0000°,Azm124.0000°
IDC Error ellipse: s-maj=19.5km s-min=11.0km az=113.0.

ISC	**V**	**08 07 57 08.1–1.2**	**41.62N–.07**	**142.95E–.07**	**35–8**	**3.5b**	**20**	**0-65**
IDC	V	08 07 56 59.9–2.3	41.99N	143.48E	0	3.6,3.4		**¶13678542**
ISCJB	V	08 07 57 06.8–.91	41.56N–.06	142.97E–.07	40–12	3.5b,3.4		
JMA	V	08 07 57 07.0–.20	41.58N	142.95E	33–3	3.2,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=70.5km s-min=25.3km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=7.4km az=143.5.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISC	**V**	**10 02 30 08.7–.40**	**42.42N–.03**	**142.38E–.03**	**95–3**	**4.5b**	**415**	**0-152**
SZGRF	V	10 02 30 00.0	42.39N	143.87E	33	4.5b		**¶13439459**
BJI	V	10 02 30 05.7	42.31N	142.69E	92	4.9b,4.7b		
ISCJB	V	10 02 30 07.8–.20	42.39N–.02	142.38E–.03	99–1	4.4b,4.7b		
MOS	V	10 02 30 07.7–.89	42.41N	142.33E	97	4.6b,4.7b		
JMA	V	10 02 30 08.3–.10	42.42N	142.42E	102–2	4.2,4.7b		
NEIC	V	10 02 30 08.7–.36	42.48N	142.33E	91–3	4.5b,4.7b		
IDC	V	10 02 30 09.3–.56	42.46N	142.38E	97–4	4.2,4.2		

ISC Event type se.
SZGRF Hokkaido, Japan, region.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=157.4.
MOS Error ellipse: s-maj=7.8km s-min=4.8km az=101.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s53.00000°,δ83.00000°,λ146.00000°. NP2: ϕ_s148.00000°,δ57.00000°,λ8.00000°. Principal axes: T Plg28.0000°,Azm5.0000° ; N Plg56.0000°,Azm224.0000°; P Plg18.0000°,Azm105.0000°
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.0km az=163.0. Recorded [2 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu.
IDC Error ellipse: s-maj=9.8km s-min=7.2km az=113.0.

ISC	**V**	**10 07 52 31.4–.91**	**44.70N–.03**	**144.45E–.03**	**11–6**	**4.1b,3.5s**	**123**	**1-84**
NIED	V	10 07 52 00	44.80N	144.50E	5	4.2W,3.5s		**¶12824839**
ISCJB	V	10 07 52 29.0–1.2	44.78N–.03	144.46E–.03	2–8	4.0b,3.5s		
IDC	V	10 07 52 29.8–.65	44.73N	144.40E	0	4.0,3.9		
BJI	V	10 07 52 29.2	44.96N	145.25E	50	4.9b,4.3b		
NEIC	V	10 07 52 31.5	44.74N	144.45E	16	4.4b,4.3b		
JMA	V	10 07 52 31.4–.10	44.73N	144.45E	16–2	4.3,4.3b		
MOS	V	10 07 52 32.7–1.2	44.66N	144.44E	33	4.6b,4.3b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s115.00000°,δ60.00000°,λ103.00000°. NP2:ϕ_s270.00000°,δ32.00000°,λ68.00000°. $M_0$2.45000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.8km az=168.9.
IDC Error ellipse: s-maj=19.8km s-min=12.3km az=150.0.
NEIC Event type fe. Recorded [2 JMA] in northeastern Hokkaido. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=11.2km s-min=7.8km az=76.0.

ISC	**V**	**11 11 38 00.1–.49**	**45.08N–.04**	**142.98E–.05**	**286–4**	**3.8b**	**95**	**0-112**
MOS	V	11 11 37 58.9–.85	45.29N	142.87E	280	4.2b		**¶13678746**
ISCJB	V	11 11 37 59.5–.25	45.14N–.03	142.93E–.05	290–2	3.8b		
IDC	V	11 11 38 00.4–.42	45.21N	142.89E	281–4	3.6,3.5		
JMA	V	11 11 38 00.3–.20	45.12N	142.91E	287–2	4.0,3.5		
NEIC	V	11 11 38 00.4	45.12N	142.92E	287	4.0b,3.5		
SKHL	V	11 11 38 00.6–.90	45.20N	143.03E	273–13	5.0s,4.8b		
NIED	V	11 11 38 00	45.10N	142.90E	270	4.0W,4.8b		

ISC Event type se.
MOS Error ellipse: s-maj=16.8km s-min=11.3km az=72.5.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.3km az=160.2.
IDC Error ellipse: s-maj=12.7km s-min=9.8km az=145.0.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
NEIC Event type se. After JMA.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ66.00000°,λ110.00000°. NP2:ϕ_s323.00000°,δ31.00000°,λ53.00000°. $M_0$1.23000×10^{15}

ISC	**V**	**17 19 53 02.2–2.2**	**42.50N–.09**	**145.40E–.07**	**28–12**	**3.9b**	**24**	**1-70**
ISCJB	V	17 19 53 01.8–1.2	42.46N–.07	145.39E–.08	42–9	3.8b		**¶13679135**
MOS	V	17 19 53 01.8–.97	42.40N	145.37E	48	4.1b		
JMA	V	17 19 53 02.7–.10	42.54N	145.35E	46–2	3.4		

IDC V 17 19 53 05.1–3.4 42.44N 145.27E 56–27 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=7.9km az=142.4.
MOS Error ellipse: s-maj=25.8km s-min=15.2km az=90.9.
IDC Error ellipse: s-maj=26.9km s-min=24.2km az=53.0.
ISC V 19 19 42 35.0–1.4 42.09N–.05 139.25E–.07 14–8 19 0-62
NIED V 19 19 42 00 42.10N 139.30E 5 3.5W **¶13679256**
ISCJB V 19 19 42 33.9–1.0 42.11N–.05 139.17E–.05 14–6 3.3b
IDC V 19 19 42 33.8–1.3 42.08N 139.11E 0 3.4,3.3b
JMA V 19 19 42 36.4–.10 42.10N 139.32E 11–1 3.8,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s286.00000°,δ81.00000°,λ-57.00000°. NP2:ϕ_s31.00000°,δ34.00000°,λ-163.00000°. $M_0$2.33000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=6.4km az=0.7.
IDC Error ellipse: s-maj=29.2km s-min=15.9km az=134.0.
JMA Event type fe.
ISC V 24 16 06 58.1–.87 42.77N–.04 142.26E–.04 29–6 3.6b 23 0-69
ISCJB V 24 16 06 57.9–.42 42.75N–.05 142.26E–.05 36–6 3.5b **¶13679561**
JMA V 24 16 06 58.4–.10 42.79N 142.30E 28–2 3.9
IDC V 24 16 06 59.9–2.1 42.74N 142.40E 46–22 3.4,3.3
NIED V 24 16 07 00 42.80N 142.30E 23 3.8W,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.7km az=167.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s105.00000°,δ85.00000°,λ-24.00000°. NP2: ϕ_s198.00000°,δ66.00000°,λ-174.00000°. Principal axes: T Plg13.0000°,Azm154.0000° ; N Plg65.0000°,Azm274.0000°; P Plg21.0000°,Azm59.0000°
IDC Error ellipse: s-maj=43.0km s-min=16.6km az=107.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ85.00000°,λ163.00000°. NP2:ϕ_s282.00000°,δ73.00000°,λ5.00000°. $M_0$5.88000×10^{14}
ISC V 24 19 39 29.3–.54 42.51N–.04 141.81E–.04 122–4 4.1b 98 0-79
NIED V 24 19 39 00 42.50N 141.80E 107 4.1W **¶13439777**
ISCJB V 24 19 39 28.2–.24 42.51N–.03 141.81E–.04 126–2 4.1b
MOS V 24 19 39 28.2–1.2 42.60N 141.72E 126 4.1b
JMA V 24 19 39 29.2–.10 42.56N 141.74E 123–1 4.1
IDC V 24 19 39 29.7–.62 42.56N 141.83E 123–5 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s272.00000°,δ81.00000°,λ-13.00000°. NP2:ϕ_s4.00000°,δ77.00000°,λ-170.00000°. $M_0$1.71000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=43.7.
MOS Error ellipse: s-maj=12.3km s-min=8.1km az=98.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s276.00000°,δ84.00000°,λ-25.00000°. NP2: ϕ_s9.00000°,δ65.00000°,λ-173.00000°. Principal axes: T Plg13.0000°,Azm325.0000° ; N Plg64.0000°,Azm83.0000°; P Plg22.0000°,Azm230.0000°
IDC Error ellipse: s-maj=15.1km s-min=7.3km az=110.0.
ISC V 26 05 24 36.3–.77 42.13N–.04 142.17E–.03 49–8 3.6b 36 0-87
NIED V 26 05 24 00 42.10N 142.20E 32 3.7W **¶13679665**
ISCJB V 26 05 24 35.4–.40 42.10N–.04 142.17E–.04 57–5 3.6b,3.5s
JMA V 26 05 24 35.4–.10 42.08N 142.21E 54–2 3.5,3.5s
IDC V 26 05 24 35.9–2.7 42.04N 142.76E 40–26 3.8L,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ78.00000°,λ58.00000°. NP2:ϕ_s164.00000°,δ34.00000°,λ157.00000°. $M_0$4.50000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.0km az=152.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=32.2km s-min=12.1km az=107.0.
ISC V 26 10 31 20.5–.31 42.01N–.03 142.30E–.03 61–2 4.9b 679 0-152
NIED V 26 10 31 00 42.00N 142.30E 53 4.9W **¶12862909**
DJA V 26 10 31 04.6–2.2 42N–12 144E–35 10 5.5b,5.0b
BJI V 26 10 31 19.1 41.86N 142.28E 72 4.9b,4.8b
MOS V 26 10 31 19.0–.83 42.07N 142.22E 56 5.3b,4.8b
ISCJB V 26 10 31 20.0–.23 41.98N–.02 142.28E–.02 68–1 4.7b,4.8b
JMA V 26 10 31 19.7–.20 41.93N 142.35E 70–3 4.7,4.8b
SZGRF V 26 10 31 20.3 43.17N 143.17E 33 5.1b,4.4s
IDC V 26 10 31 21.7–.53 41.98N 142.31E 71–4 4.6,4.6
GCMT V 26 10 31 21.5–.20 42.00N 142.47E 66–2 4.9W,4.6
NEIC V 26 10 31 21.4–.42 42.02N 142.21E 66–4 4.9b,4.8W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ65.00000°,λ76.00000°. NP2:ϕ_s233.00000°,δ29.00000°,λ117.00000°. $M_0$2.29000×10^{16}
MOS Error ellipse: s-maj=6.8km s-min=4.0km az=114.3.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.4km az=148.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s27.00000°,δ83.00000°,λ83.00000°. NP2: ϕ_s254.00000°,δ10.00000°,λ136.00000°. Principal axes: T Plg51.0000°,Azm289.0000° ; N Plg7.0000°,Azm28.0000°; P Plg38.0000°,Azm123.0000°
SZGRF Hokkaido, Japan, region.
IDC Error ellipse: s-maj=10.2km s-min=6.7km az=105.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c41; s69,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}2.04±.11 $M_{\theta\theta}$-0.28±.12; $M_{\phi\phi}$-1.76±.11; $M_{r\theta}$0.42±.07; $M_{\theta\phi}$-0.97±.09; $M_{\phi r}$1.43±.07; Best double couple: NP1:ϕ_s213.00000°,δ28.00000°,λ102.00000°. NP2:ϕ_s20.00000°,δ62.00000°,λ84.00000°. Principal axes: T 2.5200,Plg72.0000° ,Azm276.0000°; N 0.1800,Plg5.0000°,Azm23.0000°; P -2.7000,Plg17.0000°,Azm115.0000° $M_0$2.60000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=159.0. Felt at Ebetsu and Sapporo. Felt [II] at Misawa, Honshu. Recorded [3 JMA] in south-central and southwestern Hokkaido. Also recorded [2 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$2.30000×10^{16}
ISC V 26 18 47 56.1–.79 41.95N–.04 142.31E–.04 67–7 3.8b 47 0-70
ISCJB V 26 18 47 55.0–.37 41.95N–.03 142.32E–.04 75–3 3.7b **¶13679692**
JMA V 26 18 47 55.3–.20 41.94N 142.32E 71–2 3.5
MOS V 26 18 47 55.6–1.0 41.95N 142.39E 85 4.0b
IDC V 26 18 47 56.2–1.7 41.99N 142.39E 71–14 3.5,3.4
NIED V 26 18 48 00 41.90N 142.30E 65 3.8W,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.1km az=142.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=20.2km s-min=12.4km az=78.6.
IDC Error ellipse: s-maj=20.6km s-min=11.7km az=108.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ62.00000°,λ94.00000°. NP2:ϕ_s202.00000°,δ29.00000°,λ83.00000°. $M_0$5.46000×10^{14}
ISC V 28 01 11 22.8–.94 41.55N–.04 142.07E–.04 58–9 3.7b 39 1-76
NIED V 28 01 11 00 41.60N 142.10E 53 3.8W **¶13679772**
ISCJB V 28 01 11 22.1–.40 41.56N–.03 142.07E–.05 68–4 3.6b
JMA V 28 01 11 22.5–.10 41.56N 142.06E 64–3 3.5
MOS V 28 01 11 23.8–1.2 41.59N 142.15E 87 3.9b
IDC V 28 01 11 24.4–1.7 41.62N 142.12E 72–14 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ67.00000°,λ90.00000°. NP2:ϕ_s194.00000°,δ23.00000°,λ89.00000°. $M_0$4.76000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.6km az=37.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=19.1km s-min=12.4km az=84.0.
IDC Error ellipse: s-maj=20.8km s-min=11.4km az=115.0.
ISC V 28 14 18 35.8–.63 41.85N–.04 140.84E–.04 130–5 4.1b 71 0-88
NIED V 28 14 18 00 41.90N 140.80E 125 3.9W **¶13679821**
MOS V 28 14 18 33.2–.78 41.71N 140.71E 122 4.1b
IDC V 28 14 18 35.3–1.1 41.89N 140.85E 125–9 3.8,3.7
JMA V 28 14 18 36.2–.10 41.87N 140.84E 127–1 3.5,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s196.00000°,δ70.00000°,λ100.00000°. NP2:ϕ_s349.00000°,δ23.00000°,λ65.00000°. $M_0$8.87000×10^{14}
MOS Error ellipse: s-maj=13.7km s-min=11.0km az=83.9.
IDC Error ellipse: s-maj=14.1km s-min=9.6km az=140.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VI 02 10 20 14.3–.44 44.82N–.04 142.18E–.04 257–4 4.2b 259 0-156
NIED VI 02 10 20 00 44.90N 142.20E 270 4.5W **¶13680212**
MOS VI 02 10 20 13.5–1.0 44.92N 142.06E 258 4.2b
ISCJB VI 02 10 20 13.8–.15 44.83N–.03 142.14E–.03 261–1 4.2b
BJI VI 02 10 20 13.2 44.98N 142.18E 261 4.6b,4.5b
JMA VI 02 10 20 14.1–.10 44.89N 142.19E 260–1 4.0,4.5b
IDC VI 02 10 20 14.6–.73 44.96N 142.14E 255–7 4.0,3.9
NEIC VI 02 10 20 14.4–.43 44.92N 142.06E 251–5 4.3b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ89.00000°,λ30.00000°. NP2:ϕ_s75.00000°,δ60.00000°,λ178.00000°. $M_0$6.57000×10^{15}
MOS Error ellipse: s-maj=7.8km s-min=6.1km az=89.7.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.4km az=162.7.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=12.9km s-min=9.0km az=164.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.0km az=166.0.
ISC VI 03 17 50 53.1–.75 42.77N–.05 141.89E–.04 145–5 3.7b 54 0-70
MOS VI 03 17 50 51.9–1.3 42.77N 141.83E 146 4.0b **¶13680357**
ISCJB VI 03 17 50 52.3–.36 42.76N–.04 141.89E–.04 147–3 3.6b
IDC VI 03 17 50 52.8–.91 42.83N 142.18E 151–10 3.3,3.3b
JMA VI 03 17 50 53.3–.10 42.80N 141.87E 145–1 3.3,3.3b
ISC Event type ke.
MOS Error ellipse: s-maj=21.2km s-min=15.0km az=72.9.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=149.2.
IDC Error ellipse: s-maj=26.1km s-min=14.7km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VI 05 03 30 33.4–.24 41.81N–.02 143.55E–.02 34–0 6.4s,6.0b 1966 0-162
NIED VI 05 03 30 00 41.70N 143.70E 29 6.4W,6.0b **¶13195092**
IDC VI 05 03 30 28.2–.31 41.81N 143.57E 0 6.3,6.3s
BJI VI 05 03 30 29.5 41.80N 143.70E 36 6.6s,6.5b
MOS VI 05 03 30 32.4–.79 41.79N 143.46E 36 6.4s,6.2b
ISCJB VI 05 03 30 33.1–.22 41.76N–.01 143.48E–.02 43–1 6.4s,6.0b
JMA VI 05 03 30 33.8–.10 41.81N 143.62E 31–2 6.4,6.0b
NEIC VI 05 03 30 33.1–.08 41.82N 143.45E 29 6.4W,6.3s
SZGRF VI 05 03 30 34.8 42.57N 144.21E 29 6.6s,6.2b
TEH VI 05 03 30 35.0 41.86N 143.40E 42 6.3L,6.2b
DJA VI 05 03 30 36.2–2.5 42N–12 144E–16 66–22 6.5b,6.3
GCMT VI 05 03 30 37.6–.10 41.70N 143.72E 32–0 6.3W,6.3
NSSC VI 05 03 30 38.3–2.5 40.19N 139.25E 5–999 6.3W,6.3
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ73.00000°,λ86.00000°. NP2:ϕ_s214.00000°,δ17.00000°,λ103.00000°. $M_0$4.11000×10^{18}
IDC Error ellipse: s-maj=8.2km s-min=7.5km az=157.0.
MOS Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=104.2. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=41.1.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s21.00000°,δ72.00000°,λ100.00000°. NP2: ϕ_s171.00000°,δ21.00000°,λ61.00000°. Principal axes: T Plg62.0000°,Azm307.0000° ; N Plg10.0000°,Azm198.0000°; P Plg26.0000°,Azm103.0000°
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=151.0. Felt [II] at Sapporo. Also felt at Obihiro and Shiraoi. Felt [II] at Misawa, Honshu. Also felt at Goshogawara and Kizukuri. Felt [II] at Yuzhno-Kuril'sk, Kuril Islands. Recorded [4 JMA] in southern Hokkaido, [3 JMA] in southwestern Hokkaido, [2 JMA] in central and eastern Hokkaido and [1 JMA] in northern Hokkaido. Also recorded [3 JMA] in Aomori, [2 JMA] in Iwate and Miyagi and [1 JMA] in Akita, Honshu. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ80.00000°,λ90.00000°. NP2: ϕ_s210.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm300.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm120.0000° Moment Tensor Solution. s126 Moment tensor: Scale 10^{18}Nm; M_{rr}1.68 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-0.95 $M_{r\theta}$1.22 $M_{\theta\phi}$-0.65 $M_{\phi r}$2.42 Best double couple: NP1:ϕ_s29.00000°,δ75.00000°,λ85.00000°. NP2:ϕ_s228.00000° ,δ16.00000°,λ108.00000°. Principal axes: T 3.2600,Plg59.0000°,Azm291.0000° ; N -0.2400,Plg4.0000°,Azm30.0000°; P -3.0200,Plg29.0000°,Azm122.0000° $M_0$3.10000×10^{18} Moment Tensor Solution. $M_0$4.10000×10^{18} Moment Tensor Solution. $M_0$4.60000×10^{18}
SZGRF Hokkaido, Japan, region.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Surface waves: sta=117, comp=275, per= 50. Moment Tensor Solution. s113,c276; s98,c154; Moment tensor: Scale 10^{18}Nm; M_{rr}1.87±.02 $M_{\theta\theta}$-0.52±.01; $M_{\phi\phi}$-1.34±.02; $M_{r\theta}$1.69±.03; $M_{\theta\phi}$-1.20±.01; $M_{\phi r}$2.80±.05; Best double couple: NP1:ϕ_s221.00000°,δ16.00000°,λ99.00000°. NP2:ϕ_s32.00000°,δ74.00000°,λ87.00000°. Principal axes: T 3.6900,Plg61.0000° ,Azm298.0000°; N 0.3300,Plg3.0000°,Azm32.0000°; P -4.0100,Plg29.0000°,Azm124.0000° $M_0$3.90000×10^{18}
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VI 05 03 36 53.6–.57 43.64N–.05 140.97E–.05 211–5 4.3b 98 0-77
ISCJB VI 05 03 36 52.7–.25 43.65N–.04 140.98E–.06 216–3 4.2b **¶13680539**
MOS VI 05 03 36 52.8–.80 43.65N 141.04E 221 4.2b
NEIC VI 05 03 36 53.8–.49 43.63N 140.99E 212–7 4.5b
IDC VI 05 03 36 53.5–.71 43.63N 140.96E 208–7 3.9,3.9
JMA VI 05 03 36 54.1–.10 43.67N 140.89E 206–1 4.2,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=33.0.
MOS Error ellipse: s-maj=13.1km s-min=9.6km az=85.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=6.4km az=138.0.
IDC Error ellipse: s-maj=21.9km s-min=11.8km az=148.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC VI 07 02 39 11.8–.65 42.55N–.04 141.95E–.04 128–5 3.9b 62 0-69
NIED VI 07 02 39 00 42.60N 141.90E 116 3.8W **¶13439962**
ISCJB VI 07 02 39 10.7–.34 42.56N–.03 141.95E–.05 132–2 3.8b
MOS VI 07 02 39 10.4–1.0 42.50N 142.02E 137 3.9b
JMA VI 07 02 39 11.5–.20 42.62N 141.86E 132–2 3.6
IDC VI 07 02 39 11.0–1.3 42.52N 142.09E 124–10 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s256.00000°,δ62.00000°,λ-75.00000°. NP2:ϕ_s45.00000°,δ31.00000°,λ-117.00000°. $M_0$6.58000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=138.2.
MOS Error ellipse: s-maj=17.7km s-min=10.5km az=94.4.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=17.3km s-min=14.9km az=106.0.
ISC VI 10 08 49 02.1–1.4 44.68N–.05 145.58E–.04 28–11 3.5b 27 1-83
JMA VI 10 08 48 59.7–.20 44.83N 145.42E 22–2 3.8 **¶13681101**
NIED VI 10 08 49 00 44.90N 145.50E 5 3.7W
MOS VI 10 08 49 01.5–2.3 44.77N 145.71E 33 3.9b
IDC VI 10 08 49 09.5–2.7 44.80N 145.46E 92–27 3.5,3.3
ISC Event type ke.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s239.00000°,δ47.00000°,λ86.00000°. NP2:ϕ_s64.00000°,δ43.00000°,λ94.00000°. $M_0$4.66000×10^{14}
MOS Error ellipse: s-maj=23.1km s-min=18.8km az=83.8.
IDC Error ellipse: s-maj=33.0km s-min=18.2km az=126.0.
ISC VI 10 17 57 55.8–.83 41.92N–.04 142.29E–.03 61–7 3.7b 53 0-76
NIED VI 10 17 57 00 41.90N 142.30E 71 3.9W **¶13681118**
ISCJB VI 10 17 57 55.2–.33 41.94N–.03 142.31E–.04 71–3 3.7b
MOS VI 10 17 57 55.8–1.1 41.92N 142.56E 87 3.9b
JMA VI 10 17 57 55.1–.20 41.93N 142.30E 72–3 3.5
IDC VI 10 17 57 57.6–1.6 42.02N 142.28E 79–13 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ55.00000°,λ94.00000°. NP2:ϕ_s211.00000°,δ35.00000°,λ85.00000°. $M_0$9.44000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.7km az=140.9.
MOS Error ellipse: s-maj=14.5km s-min=9.1km az=80.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s41.00000°,δ80.00000°,λ113.00000°. NP2: ϕ_s154.00000°,δ25.00000°,λ25.00000°. Principal axes: T Plg50.0000°,Azm337.0000° ; N Plg23.0000°,Azm217.0000°; P Plg31.0000°,Azm112.0000°
IDC Error ellipse: s-maj=17.6km s-min=11.9km az=114.0.
ISC VI 11 21 31 57.1–.74 41.47N–.04 141.50E–.05 82–6 3.8b 51 0-145
ISCJB VI 11 21 31 56.3–.37 41.47N–.03 141.47E–.06 91–3 3.7b **¶13681186**
MOS VI 11 21 31 57.4–.93 41.49N 141.56E 107 3.8b
JMA VI 11 21 31 57.4–.10 41.46N 141.49E 79–1 3.6
IDC VI 11 21 31 58.4–1.4 41.50N 141.49E 98–12 3.6,3.5
NIED VI 11 21 32 00 41.40N 141.50E 68 3.8W,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.8km az=20.1.
MOS Error ellipse: s-maj=19.3km s-min=12.0km az=71.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=17.6km s-min=10.7km az=121.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s96.00000°,δ51.00000°,λ-72.00000°. NP2:ϕ_s248.00000°,δ42.00000°,λ-111.00000°. $M_0$4.90000×10^{14}

ISC	**VI**	**13 14 21 13.0–.76**	**41.83N–.06**	**143.41E–.07**	**41–6**	**3.9b**	**45**	**0-147**
NIED	VI	13 14 21 00	41.80N	143.40E	32	3.9W		**¶13681289**
ISCJB	VI	13 14 21 10.7–.69	41.72N–.05	143.49E–.07	46–5	3.9b		
MOS	VI	13 14 21 11.2–.92	41.76N	143.44E	50	4.3b		
JMA	VI	13 14 21 12.6–.10	41.83N	143.44E	29–1	3.8		
IDC	VI	13 14 21 13.8–2.3	41.77N	143.39E	53–18	3.7,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ71.00000°,λ92.00000°. NP2:ϕ_s192.00000°,δ19.00000°,λ83.00000°. $M_0$6.86000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.6km az=37.7.
MOS Error ellipse: s-maj=16.0km s-min=10.1km az=79.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=18.5km s-min=13.6km az=109.0.

ISC	**VI**	**14 01 23 44.7–.98**	**41.48N–.05**	**141.95E–.05**	**63–10**	**3.5b**	**23**	**1-62**
IDC	VI	14 01 23 36.5–1.4	41.31N	141.90E	0	3.7,3.4		**¶13681323**
ISCJB	VI	14 01 23 43.8–.57	41.48N–.05	141.95E–.06	70–6	3.4b,3.4		
JMA	VI	14 01 23 44.4–.10	41.49N	141.97E	62–2	3.2,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=44.4km s-min=32.6km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.8km az=138.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

ISC	**VI**	**14 06 28 46.5–.87**	**41.76N–.05**	**140.73E–.06**	**128–6**	**3.5b**	**28**	**0-62**
IDC	VI	14 06 28 31.4–1.3	41.58N	140.76E	0	3.7,3.6		**¶13681334**
ISCJB	VI	14 06 28 45.6–.52	41.75N–.05	140.72E–.07	131–3	3.3b,3.6		
JMA	VI	14 06 28 47.0–.10	41.80N	140.76E	125–1	2.9,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=28.7km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=7.4km az=157.1.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

ISC	**VI**	**17 08 29 02.3–.84**	**42.00N–.05**	**142.55E–.04**	**60–7**	**3.9b**	**45**	**0-86**
ISCJB	VI	17 08 29 01.5–.48	41.99N–.05	142.56E–.04	69–3	3.8b		**¶13681527**
MOS	VI	17 08 29 01.7–1.2	41.96N	142.47E	75	4.3b		
JMA	VI	17 08 29 02.8–.10	42.04N	142.58E	61–2	3.7		
IDC	VI	17 08 29 03.7–2.8	42.06N	142.53E	74–21	3.7,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.6km az=156.0.
MOS Error ellipse: s-maj=22.1km s-min=12.5km az=94.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s5.00000°,δ87.00000°,λ90.00000°. NP2: ϕ_s185.00000°,δ3.00000°,λ90.00000°. Principal axes: T Plg48.0000°,Azm275.0000° ; N Plg0.0000°,Azm5.0000°; P Plg42.0000°,Azm95.0000°
IDC Error ellipse: s-maj=22.9km s-min=19.2km az=140.0.

ISC	**VI**	**17 17 01 28.5–.47**	**42.42N–.04**	**142.81E–.04**	**108–3**	**4.2b**	**146**	**0-147**
NIED	VI	17 17 01 00	42.50N	142.80E	104	4.1W		**¶13197366**
BJI	VI	17 17 01 25.2	42.44N	143.06E	118	4.7b,4.4b		
ISCJB	VI	17 17 01 27.0–.26	42.40N–.03	142.80E–.04	110–2	4.2b,4.4b		
MOS	VI	17 17 01 27.2–1.0	42.43N	142.74E	110	4.3b,4.4b		
NEIC	VI	17 17 01 29.0–.34	42.44N	142.85E	110	4.5b,4.1W		
IDC	VI	17 17 01 29.1–.69	42.46N	142.83E	108–5	4.0,3.9		
JMA	VI	17 17 01 29.1–.10	42.47N	142.88E	98–1	3.9,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s232.00000°,δ73.00000°,λ-109.00000°. NP2:ϕ_s102.00000°,δ25.00000°,λ-43.00000°. $M_0$1.59000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=43.0.
MOS Error ellipse: s-maj=11.9km s-min=6.9km az=108.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=7.1km az=118.0. Recorded [2 JMA] in southeastern Hokkaido and [1 JMA] in southwestern Hokkaido. Moment Tensor Solution. $M_0$1.60000×10^{15}
IDC Error ellipse: s-maj=14.1km s-min=8.1km az=91.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s245.00000°,δ59.00000°,λ-101.00000°. NP2: ϕ_s86.00000°,δ33.00000°,λ-72.00000°. Principal axes: T Plg13.0000°,Azm343.0000° ; N Plg10.0000°,Azm251.0000°; P Plg74.0000°,Azm125.0000°

ISC	**VI**	**21 12 21 53.1–.75**	**42.34N–.05**	**142.97E–.04**	**61–6**	**3.6b**	**34**	**0-86**
ISCJB	VI	21 12 21 52.0–.41	42.27N–.04	142.99E–.05	70–3	3.7b		**¶13681778**
IDC	VI	21 12 21 53.6–1.9	42.28N	142.92E	68–18	3.7,3.6		
JMA	VI	21 12 21 53.8–.10	42.34N	142.99E	55–1	3.6,3.6		
NIED	VI	21 12 22 00	42.40N	143.00E	56	3.9W,3.6		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=5.5km az=141.5.
IDC Error ellipse: s-maj=21.3km s-min=15.8km az=111.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ57.00000°,λ84.00000°. NP2: ϕ_s236.00000°,δ33.00000°,λ99.00000°. Principal axes: T Plg77.0000°,Azm296.0000° ; N Plg5.0000°,Azm48.0000°; P Plg12.0000°,Azm139.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ67.00000°,λ93.00000°. NP2:ϕ_s200.00000°,δ23.00000°,λ83.00000°. $M_0$7.78000×10^{14}

ISC	**VI**	**21 16 09 50.0–1.5**	**41.07N–.03**	**139.17E–.04**	**1–10**	**3.7b**	**64**	**1-89**
ISCJB	VI	21 16 09 50.4–.78	41.04N–.03	139.04E–.04	15–7	3.8b,3.0s		**¶13383535**
IDC	VI	21 16 09 50.3–.68	41.00N	138.87E	0	4.0,3.9		
JMA	VI	21 16 09 51.5–.10	41.05N	139.06E	33–1	4.2,3.9		
NEIC	VI	21 16 09 54.1–2.2	41.01N	138.93E	26–17	4.5b,3.8W		
NIED	VI	21 16 10 00	41.00N	139.00E	5	3.9W,3.8W		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.3km az=7.3.
IDC Error ellipse: s-maj=18.5km s-min=15.1km az=76.0.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.4km az=128.0. Moment Tensor Solution. $M_0$6.80000×10^{14}
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s353.00000°,δ74.00000°,λ88.00000°. NP2:ϕ_s182.00000°,δ16.00000°,λ98.00000°. $M_0$6.83000×10^{14}

ISC	**VI**	**23 11 41 06.7–1.2**	**42.91N–.08**	**145.30E–.06**	**73–8**	**3.4b**	**24**	**0-65**
ISCJB	VI	23 11 41 05.9–.88	42.92N–.07	145.30E–.07	79–5	3.4b		**¶13681903**
JMA	VI	23 11 41 06.9–.10	42.94N	145.28E	74–1	3.4		
IDC	VI	23 11 41 10.4–6.5	43.00N	145.02E	101–37	3.3,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=7.7km az=158.2.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=80.3km s-min=30.5km az=174.0.

ISC	**VI**	**24 00 41 53.9–1.1**	**42.29N–.08**	**143.02E–.06**	**62–8**	**3.8b**	**20**	**0-70**
IDC	VI	24 00 41 40.0–19	41.61N	143.63E	0	3.8,3.8		**¶13681935**
ISCJB	VI	24 00 41 53.0–.84	42.29N–.09	143.04E–.09	72–5	3.6b,3.8		
JMA	VI	24 00 41 54.9–.10	42.33N	143.00E	52–1	3.3,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=437.3km s-min=60.9km az=163.0.
ISCJB Event type fe. Error ellipse: s-maj=15.2km s-min=9.5km az=158.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

ISC	**VI**	**27 21 55 19.9–.86**	**41.58N–.04**	**141.91E–.04**	**64–8**	**3.8b**	**47**	**1-79**
NIED	VI	27 21 55 00	41.60N	141.90E	56	3.8W		**¶13383582**
ISCJB	VI	27 21 55 19.1–.37	41.59N–.03	141.91E–.05	72–3	3.7b		
JMA	VI	27 21 55 19.8–.10	41.59N	141.92E	64–2	3.7		
IDC	VI	27 21 55 20.5–1.7	41.64N	142.02E	71–14	3.6,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ68.00000°,λ90.00000°. NP2:ϕ_s198.00000°,δ22.00000°,λ90.00000°. $M_0$5.42000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.3km az=36.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s21.00000°,δ74.00000°,λ91.00000°. NP2: ϕ_s196.00000°,δ16.00000°,λ85.00000°. Principal axes: T Plg61.0000°,Azm293.0000° ; N Plg1.0000°,Azm201.0000°; P Plg29.0000°,Azm110.0000°
IDC Error ellipse: s-maj=21.8km s-min=11.9km az=112.0.

ISC	**VI**	**30 21 38 22.9–.92**	**43.27N–.05**	**141.92E–.05**	**173–6**	**3.5b**	**39**	**0-69**
NIED	VI	30 21 38 00	43.30N	141.90E	200	3.7W		**¶13682344**
ISCJB	VI	30 21 38 22.2–.49	43.27N–.04	141.91E–.06	174–3	3.5b		
JMA	VI	30 21 38 22.8–.10	43.28N	141.91E	175–1	3.5		
IDC	VI	30 21 38 23.3–1.6	43.37N	141.86E	167–14	3.3,3.2		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ66.00000°,λ-152.00000°. NP2:ϕ_s109.00000°,δ64.00000°,λ-27.00000°. $M_0$4.31000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.2km az=24.4.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=60.0km s-min=24.0km az=109.0.

ISC	**VI**	**30 22 45 57.5–.69**	**44.81N–.07**	**142.32E–.06**	**269–7**	**3.3b**	**37**	**0-62**
ISCJB	VI	30 22 45 56.8–.44	44.81N–.07	142.35E–.07	271–5	3.3b		**¶13682346**
JMA	VI	30 22 45 56.2–.30	45.02N	142.32E	271–2	3.4		
IDC	VI	30 22 45 57.8–.59	45.03N	142.20E	260–12	3.2,3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=7.6km az=176.3.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=35.3km s-min=12.3km az=167.0.

(225) Off southeast coast of Hokkaido.

JMA	**II**	**01 09 06 16.4–.40**	**41.41N**	**148.02E**	**0**	**3.8**		**¶15537476**

JMA Error ellipse: s-maj=3.3km s-min=2.5km az=-1.0.

ISC	**II**	**27 09 53 18.8–1.5**	**42.90N–.09**	**146.1E–.20**	**42**	**3.6b**	**14**	**1-84**
NIED	II	27 09 53 00	42.90N	146.10E	20	3.4W		**¶12701988**
IDC	II	27 09 53 11.9–2.0	42.82N	146.41E	0	3.8,3.7		
ISCJB	II	27 09 53 16.6–1.2	42.86N–.09	146.2E–.20	42	3.6b,3.5s		
JMA	II	27 09 53 17.3–.20	42.85N	146.13E	37–2	3.5,3.5s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ80.00000°,λ138.00000°. NP2:ϕ_s149.00000°,δ49.00000°,λ14.00000°. $M_0$1.44000×10^{14}
IDC Error ellipse: s-maj=66.6km s-min=33.7km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=12.2km az=163.9.
JMA Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.

JMA	**III**	**02 12 24 17.9–.20**	**42.66N**	**147.01E**	**52**	**3.6**		
NIED	III	02 12 24 00	42.70N	147.00E	20	3.6W		**¶14158270**

JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ56.00000°,λ45.00000°. NP2: ϕ_s243.00000°,δ54.00000°,λ136.00000°. $M_0$2.51000×10^{14}

JMA	**V**	**19 20 44 32.2–.10**	**42.94N**	**146.77E**	**60–2**	**3.7**		**¶15426887**

JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

ISC	**VI**	**17 11 12 12.5–.53**	**42.81N–.06**	**146.14E–.05**	**45–3**	**4.5b,3.9s**	**154**	**1-92**
NIED	VI	17 11 12 00	42.70N	146.30E	32	4.3W,3.9s		**¶13197326**
BJI	VI	17 11 12 08.4	42.69N	146.71E	45	4.8b,4.7b		
JMA	VI	17 11 12 10.0–.20	42.75N	146.24E	52–2	4.2,4.7b		
MOS	VI	17 11 12 10.3–1.1	42.84N	146.12E	44	4.7b,4.7b		
ISCJB	VI	17 11 12 11.5–.64	42.81N–.04	146.14E–.05	52–4	4.4b,4.0s		
IDC	VI	17 11 12 12.1–2.8	42.75N	146.18E	46–26	4.2,4.1		
NEIC	VI	17 11 12 12.9–.49	42.84N	146.14E	47–4	4.4b,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ80.00000°,λ115.00000°. NP2:ϕ_s161.00000°,δ27.00000°,λ23.00000°. $M_0$2.96000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=9.5km s-min=6.6km az=104.4.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.9km az=150.4.
IDC Error ellipse: s-maj=16.9km s-min=13.8km az=166.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.5km az=156.0. Recorded [1 JMA] in eastern Hokkaido.

ISC	**VI**	**20 09 41 23.9–2.2**	**42.77N–.08**	**146.36E–.07**	**33–6**	**3.9b**	**25**	**1-65**
IDC	VI	20 09 41 19.6–46	43.12N	146.58E	0	3.9,3.8		**¶13681708**
ISCJB	VI	20 09 41 23.0–1.3	42.76N–.07	146.38E–.08	42–10	3.8b,3.8		
JMA	VI	20 09 41 23.0–.20	42.76N	146.37E	51–3	3.3,3.8		
MOS	VI	20 09 41 33.7–1.1	44.43N	145.35E	33	4.0b,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=1025.0km s-min=79.6km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=7.2km az=149.9.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=41.9km s-min=29.1km az=40.8.

JMA	**VI**	**29 15 55 12.5–.20**	**42.29N**	**147.57E**	**8**	**3.9**		**¶14495725**
NIED	VI	29 15 55 00	42.30N	147.60E	11	3.5W		

JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s91.00000°,δ59.00000°,λ-50.00000°. NP2:ϕ_s213.00000°,δ49.00000°,λ-137.00000°. $M_0$1.94000×10^{14}

(226) Near west coast of eastern Honshu.

ISC	**I**	**06 16 55 05.3–.79**	**37.36N–.04**	**137.55E–.05**	**23**	**3.2b**	**21**	**0-61**
ISCJB	I	06 16 55 04.9–.46	37.36N–.04	137.53E–.05	23	3.2b		**¶12080529**
JMA	I	06 16 55 04.8	37.35N	137.54E	13–1	3.2		
IDC	I	06 16 55 06.0–4.4	37.42N	138.08E	35–23	3.5L,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=141.3.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s135.00000° ,δ85.00000°,λ-80.00000°. NP2:ϕ_s252.00000°,δ11.00000°,λ-152.00000°. Principal axes: T Plg39.0000°,Azm216.0000°; N Plg10.0000°,Azm314.0000°; P Plg49.0000°,Azm55.0000°
IDC Error ellipse: s-maj=85.0km s-min=17.9km az=60.0.

ISC	**I**	**08 02 41 25.2–.94**	**37.20N–.03**	**138.84E–.04**	**12–7**	**3.4b**	**22**	**0-65**
NIED	I	08 02 41 00	37.20N	138.80E	5	3.5W		**¶12080703**
IDC	I	08 02 41 23.1–1.1	37.17N	138.97E	0	3.6,3.5		
ISCJB	I	08 02 41 24.9–.45	37.22N–.03	138.86E–.06	22–4	3.4b,3.5		
JMA	I	08 02 41 25.3	37.22N	138.83E	10–1	4.0,3.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ62.00000°,λ77.00000°. NP2: ϕ_s214.00000°,δ30.00000°,λ114.00000°. $M_0$2.09000×10^{14}
IDC Error ellipse: s-maj=24.6km s-min=9.8km az=124.0.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.5km az=173.9.
JMA Event type fe.

ISC	**I**	**13 19 44 18.8–.77**	**37.32N–.06**	**137.78E–.07**	**229–6**	**3.7b**	**45**	**0-67**
ISCJB	I	13 19 44 17.8–.37	37.34N–.05	137.76E–.08	234–3	3.5b		**¶12081212**
JMA	I	13 19 44 18.9–.20	37.33N	137.81E	231–2	3.2		
IDC	I	13 19 44 18.2–.64	37.43N	137.96E	224–7	3.4b,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.1km az=15.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=27.8km s-min=12.3km az=85.0.

ISC	**I**	**18 09 05 52.1–.95**	**37.37N–.04**	**138.38E–.03**	**26–8**		**25**	**0-57**
IDC	I	18 09 05 49.4–1.7	37.42N	138.49E	0	3.8,3.4b		**¶12081629**
ISCJB	I	18 09 05 52.0–.46	37.36N–.03	138.38E–.04	31–4	3.5b,3.4b		
JMA	I	18 09 05 52.4	37.37N	138.39E	17–1	3.1,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=13.1km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.8km az=41.7.
JMA Event type fe.

ISC	**I**	**22 00 09 34.0–.34**	**40.91N–.03**	**139.97E–.03**	**162–2**	**4.9b**	**1175**	**0-157**
NIED	I	22 00 09 00	40.90N	140.00E	165	4.7W		**¶13433912**
BJI	I	22 00 09 29.3	40.75N	140.20E	160	4.9b,4.8b		
MOS	I	22 00 09 33.6–.78	41.05N	139.88E	163	4.9b,4.8b		
ISCJB	I	22 00 09 33.4–.16	40.92N–.02	139.89E–.02	164–1	4.8b,4.8b		
NEIC	I	22 00 09 34.4–.34	40.93N	139.88E	162–3	4.9b,4.7W		
SZGRF	I	22 00 09 34.9	41.22N	140.83E	33	5.0b,4.7W		
JMA	I	22 00 09 34.2–.10	40.90N	140.04E	168–1	4.6,4.7W		
IDC	I	22 00 09 34.2–.94	40.90N	139.97E	163–8	4.5b,4.5		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ67.00000°,λ69.00000°. NP2:ϕ_s32.00000°,δ31.00000°,λ130.00000°. $M_0$1.25000×10^{16}
MOS Error ellipse: s-maj=6.0km s-min=4.3km az=98.2.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.4km az=166.4.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.2km az=157.0. Moment Tensor Solution. $M_0$1.30000×10^{16}
SZGRF Hokkaido, Japan, region.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s165.00000°,δ72.00000°,λ73.00000°. NP2: ϕ_s29.00000°,δ25.00000°,λ132.00000°. Principal axes: T Plg60.0000°,Azm50.0000° ; N Plg16.0000°,Azm170.0000°; P Plg25.0000°,Azm268.0000°
IDC Error ellipse: s-maj=8.8km s-min=6.8km az=135.0.

ISC	**II**	**24 02 52 17.7–.86**	**37.51N–.03**	**138.69E–.03**	**10–5**	**3.2b**	**25**	**0-57**

ISCJB II 24 02 52 17.4–.93 37.50N–.03 138.70E–.04 12–7 3.3b ¶11728563
IDC II 24 02 52 17.1–1.2 37.41N 138.33E 0 3.6,3.3
JMA II 24 02 52 18.0–.10 37.53N 138.71E 11–2 3.4,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.2km az=17.8.
IDC Error ellipse: s-maj=45.0km s-min=16.7km az=92.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA III 03 18 52 28.1 37.15N 138.68E 10–2 1.5
¶15548419
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA III 11 02 51 55.6–.10 40.19N 139.01E 38–1 3.5
¶15550983
JMA III 15 14 10 40.8–.10 37.10N 138.05E 9–1 1.7
¶15552553
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC III 21 21 47 55.5–1.6 37.11N–.05 136.49E–.05 2–12 3.1b 18 0-66
NIED III 21 21 47 00 37.10N 136.40E 5 3.6W ¶12635225
ISCJB III 21 21 47 54.7–1.1 37.14N–.04 136.37E–.05 4–8 2.9b
JMA III 21 21 47 55.6–.10 37.11N 136.40E 7–2 3.7
IDC III 21 21 47 59.7–2.6 37.04N 136.42E 37–32 3.2,3.1
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ67.00000°,λ92.00000°. NP2:ϕ_s186.00000°,δ23.00000°,λ85.00000°. $M_0$2.51000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=6.2km az=171.7.
JMA Event type fe.
IDC Error ellipse: s-maj=26.9km s-min=18.6km az=6.0.
ISC IV 04 10 01 30.8–.84 40.16N–.05 139.46E–.09 206–7 3.4b 31 1-145
ISCJB IV 04 10 01 29.6–.52 40.14N–.05 139.5E–.10 214–6 3.3b ¶12934493
IDC IV 04 10 01 30.5–1.6 40.17N 139.34E 207–18 3.2,3.1b
JMA IV 04 10 01 31.0–.10 40.11N 139.43E 203–1 3.2,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=8.4km az=7.5.
IDC Error ellipse: s-maj=33.8km s-min=16.0km az=76.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC V 12 10 40 17.5–.38 37.05N–.02 138.50E–.02 16–2 4.7b,4.1s 269 0-149
NIED V 12 10 40 00 37.10N 138.50E 8 4.6W,4.1s ¶12818739
BJI V 12 10 40 17.4 37.00N 138.30E 5 4.9b,4.5b
JMA V 12 10 40 17.5 37.07N 138.53E 12–2 4.8,4.5b
IDC V 12 10 40 17.6–1.7 37.02N 138.35E 19–11 4.1,4.1
ISCJB V 12 10 40 17.1–.28 37.07N–.02 138.47E–.02 23–2 4.5b,4.0s
NEIC V 12 10 40 18.9–.92 36.98N 138.36E 24–7 4.8b,4.6W
MOS V 12 10 40 18.0–1.2 36.95N 138.41E 33 4.9b,4.6W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ58.00000°,λ93.00000°. NP2:ϕ_s201.00000°,δ32.00000°,λ85.00000°. $M_0$9.34000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s28.00000°,δ58.00000°,λ74.00000°. NP2: ϕ_s237.00000°,δ36.00000°,λ114.00000°. Principal axes: T Plg72.0000°,Azm258.0000° ; N Plg14.0000°,Azm37.0000°; P Plg11.0000°,Azm130.0000°
IDC Error ellipse: s-maj=15.1km s-min=11.8km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=140.4.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=6.1km az=142.0. Recorded [4 JMA] at Gumma and Niigata; [3 JMA] at Nagano; [2 JMA] at Ishikawa; [1 JMA] at Toyama. Moment Tensor Solution. $M_0$9.30000×10^{15}
MOS Error ellipse: s-maj=9.1km s-min=5.5km az=99.7.
ISC V 22 20 15 50.4–1.4 37.15N–.04 136.53E–.07 18–9 14 0-1
JMA V 22 20 15 50.8 37.14N 136.54E 11–1 3.9 ¶12861522
ISCJB V 22 20 15 51.0–1.1 37.15N–.04 136.54E–.08 17–11 3.9
ISC Event type ke.
JMA Event type fe.
ISCJB Event type fe.
ISC VI 21 02 14 34.1–1.0 37.14N–.04 137.76E–.04 15–9 21 0-57
ISCJB VI 21 02 14 34.3–.48 37.13N–.03 137.71E–.04 28–5 3.5b ¶15439144
JMA VI 21 02 14 34.6 37.13N 137.70E 14–1 3.4
IDC VI 21 02 14 35.6–4.2 37.12N 137.93E 29–24 3.6,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.7km az=146.5.
JMA Event type fe.
IDC Error ellipse: s-maj=37.7km s-min=23.7km az=172.0.
JMA VI 27 11 40 21.4–.10 37.39N 138.61E 17–2 2.0
¶15442200
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

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ISC I 03 03 01 15.8–.72 38.85N–.06 140.49E–.07 148–6 3.8b 50 0-72
IDC I 03 03 01 14.7–1.7 38.84N 140.66E 140–15 3.5b,3.5 ¶12079871
NEIC I 03 03 01 14.5–.85 38.85N 140.66E 139–7 4.1b,3.5
ISCJB I 03 03 01 14.6–.41 38.83N–.05 140.51E–.08 151–3 3.7b,3.5
JMA I 03 03 01 16.6–.10 38.80N 140.46E 142–1 3.4,3.5
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=13.0km az=92.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.6km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.3km az=29.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC I 24 09 32 06.8–.54 38.27N–.05 140.49E–.05 141–4 4.0b 94 0-147
NIED I 24 09 32 00 38.20N 140.60E 119 3.9W ¶12082207
ISCJB I 24 09 32 05.5–.29 38.28N–.04 140.49E–.05 144–2 4.0b
JMA I 24 09 32 06.9–.10 38.23N 140.55E 138–1 3.7
NEIC I 24 09 32 07.0 38.23N 140.55E 138 4.5b,3.9W
IDC I 24 09 32 07.0–1.1 38.32N 140.39E 140–10 3.7,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s172.00000°,δ74.00000°,λ-134.00000°. NP2:ϕ_s66.00000°,δ47.00000°,λ-23.00000°. $M_0$8.62000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.9km az=40.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s179.00000°,δ86.00000°,λ-75.00000°. NP2: ϕ_s284.00000°,δ15.00000°,λ-164.00000°. Principal axes: T Plg39.0000°,Azm255.0000° ; N Plg15.0000°,Azm357.0000°; P Plg47.0000°,Azm104.0000°
NEIC Event type fe. Recorded [1 JMA] in Fukushima, Ibaraki and Miyagi. After JMA. Moment Tensor Solution. $M_0$8.60000×10^{14}
IDC Error ellipse: s-maj=13.2km s-min=9.9km az=129.0.
ISC I 26 08 54 22.0–.37 36.53N–.03 139.52E–.04 140–2 4.6b 345 0-146
NIED I 26 08 54 00 36.50N 139.60E 130 4.4W ¶13434010
BJI I 26 08 54 18.2 36.56N 139.75E 139 4.9b,4.7b
SZGRF I 26 08 54 20.9 35.98N 139.33E 130 5.2b,4.7b
ISCJB I 26 08 54 20.8–.26 36.48N–.02 139.56E–.04 145–1 4.5b,4.7b
MOS I 26 08 54 20.6–1.2 36.58N 139.57E 143 4.7b,4.7b
JMA I 26 08 54 22.7–.10 36.45N 139.58E 136–1 4.4,4.7b
NEIC I 26 08 54 22.1–.52 36.49N 139.47E 141–4 4.8b,4.4W
IDC I 26 08 54 22.6–.49 36.48N 139.48E 147–3 4.2,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s90.00000°,δ82.00000°,λ36.00000°. NP2:ϕ_s354.00000°,δ55.00000°,λ170.00000°. $M_0$4.50000×10^{15}
SZGRF Near south coast of eastern Honshu, Japan.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.1km az=13.0.
MOS Error ellipse: s-maj=8.4km s-min=5.0km az=110.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s94.00000°,δ87.00000°,λ28.00000°. NP2: ϕ_s2.00000°,δ62.00000°,λ176.00000°. Principal axes: T Plg22.0000°,Azm322.0000° ; N Plg62.0000°,Azm100.0000°; P Plg17.0000°,Azm225.0000°
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=5.4km az=127.0. Felt at Machida, Midaka, Tokyo and Zushi. Recorded [2 JMA] in Ibaraki, Kanagawa, Saitama and Shizuoka; [1 JMA] in Fukushima, Gumma, Nagano, Tochigi, Tokyo and Yamanashi. Moment Tensor Solution. $M_0$4.50000×10^{15}
IDC Error ellipse: s-maj=9.7km s-min=8.0km az=123.0.
ISC II 16 13 59 17.6–.76 35.42N–.03 138.56E–.03 21–3 3.5b 27 0-125
NIED II 16 13 59 00 35.40N 138.60E 17 3.8W ¶11678045
IDC II 16 13 59 14.5–.91 35.33N 138.37E 0 3.7,3.5
ISCJB II 16 13 59 17.2–.41 35.40N–.03 138.56E–.04 27–3 3.9s,3.5b
JMA II 16 13 59 17.9 35.41N 138.55E 20–1 3.8,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s275.00000°,δ65.00000°,λ113.00000°. NP2:ϕ_s50.00000°,δ34.00000°,λ51.00000°. $M_0$5.34000×10^{14}
IDC Error ellipse: s-maj=31.6km s-min=11.5km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.7km az=161.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s264.00000°,δ47.00000°,λ105.00000°. NP2:ϕ_s62.00000°,δ45.00000°,λ74.00000°. Principal axes: T Plg79.0000°,Azm247.0000°; N Plg11.0000°,Azm73.0000°; P Plg1.0000° ,Azm343.0000°
JMA II 17 16 44 25.7 35.42N 138.55E 19–1 3.5
NIED II 17 16 44 00 35.40N 138.50E 23 3.6W ¶15543338
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s264.00000°,δ57.00000°,λ98.00000°. NP2:ϕ_s69.00000°,δ33.00000°,λ78.00000°. Principal axes: T Plg76.0000°,Azm198.0000°; N Plg7.0000°,Azm79.0000°; P Plg12.0000° ,Azm348.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s268.00000°,δ59.00000°,λ112.00000°. NP2:ϕ_s50.00000°,δ38.00000°,λ58.00000°. $M_0$2.54000×10^{14}
JMA II 23 16 54 06.8–.20 36.17N 137.06E 274–2 2.7
IDC II 23 16 54 06.7–.86 36.21N 137.49E 279–10 3.2,3.1 ¶12701652
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=52.3km s-min=19.4km az=77.0.
ISC III 03 00 15 48.9–.64 36.28N–.09 137.1E–.10 263–5 3.3b 38 0-93
NIED III 03 00 15 00 36.20N 137.10E 270 3.9W ¶12702311
ISCJB III 03 00 15 48.0–.38 36.28N–.08 137.1E–.10 267–3 3.3b
JMA III 03 00 15 48.4–.10 36.25N 137.05E 268–1 3.6
IDC III 03 00 15 48.8–.50 36.30N 137.04E 260–4 3.4,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s123.00000°,δ57.00000°,λ-51.00000°. NP2:ϕ_s247.00000°,δ49.00000°,λ-134.00000°. $M_0$7.67000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=12.4km az=10.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=15.1km s-min=11.9km az=81.0.
ISC III 05 08 43 19.9–1.2 38.75N–.03 140.84E–.03 3–9 3.7b 29 0-77
ISCJB III 05 08 43 20.4–.54 38.76N–.03 140.81E–.04 12–4 3.7b,2.9s ¶12702484
JMA III 05 08 43 20.8 38.76N 140.78E 4–1 3.4,2.9s
IDC III 05 08 43 27.0–2.6 38.71N 140.58E 54–24 3.6,3.4b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.0km az=42.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s0.00000°,δ68.00000°,λ81.00000°. NP2:ϕ_s203.00000°,δ24.00000°,λ111.00000°. Principal axes: T Plg66.0000°,Azm254.0000°; N Plg8.0000°,Azm4.0000°; P Plg22.0000° ,Azm97.0000°
IDC Error ellipse: s-maj=25.3km s-min=16.5km az=102.0.
JMA III 05 10 49 50.7–.10 35.28N 138.37E 24–1 2.9
¶15549016
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s343.00000°,δ85.00000°,λ105.00000°. NP2:ϕ_s92.00000°,δ16.00000°,λ19.00000°. Principal axes: T Plg48.0000°,Azm269.0000°; N Plg15.0000°,Azm162.0000°; P Plg38.0000° ,Azm60.0000°
ISC III 10 16 21 36.9–.73 37.88N–.04 140.83E–.05 87–5 3.6b 46 0-147
ISCJB III 10 16 21 36.2–.42 37.91N–.03 140.82E–.05 94–3 3.5b ¶15550846
JMA III 10 16 21 37.4 37.92N 140.81E 85–1 3.6
IDC III 10 16 21 38.1–2.2 37.94N 140.77E 96–19 3.6,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.8km az=31.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s229.00000°,δ63.00000°,λ-115.00000°. NP2:ϕ_s95.00000°,δ36.00000°,λ-50.00000°. Principal axes: T Plg15.0000°,Azm337.0000°; N Plg22.0000°,Azm241.0000°; P Plg63.0000° ,Azm98.0000°
IDC Error ellipse: s-maj=21.3km s-min=18.8km az=132.0.
JMA III 11 10 10 36.4 35.27N 138.32E 33–1 2.5
¶15551071
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s340.00000° ,δ84.00000°,λ132.00000°. NP2:ϕ_s77.00000°,δ42.00000°,λ9.00000°. Principal axes: T Plg37.0000°,Azm286.0000°; N Plg41.0000°,Azm155.0000°; P Plg27.0000°,Azm38.0000°
ISC III 12 13 50 50.2–.65 36.37N–.06 137.27E–.07 263–5 3.5b 50 0-150
NIED III 12 13 50 00 36.30N 137.30E 260 4.0W ¶12703080
ISCJB III 12 13 50 49.3–.34 36.35N–.05 137.27E–.07 270–2 3.4b
JMA III 12 13 50 49.9–.10 36.33N 137.26E 268–1 3.6
IDC III 12 13 50 50.1–.46 36.34N 137.18E 262–4 3.4,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ65.00000°,λ-70.00000°. NP2:ϕ_s276.00000°,δ32.00000°,λ-125.00000°. $M_0$1.07000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=7.5km az=169.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=13.5km s-min=9.2km az=74.0.
JMA III 12 15 15 37.6 36.69N 137.89E 5–1 0.5
¶15551415
ISC III 14 05 13 16.1–.77 36.37N–.07 137.04E–.07 273–7 3.5b 33 0-68
ISCJB III 14 05 13 15.4–.42 36.36N–.06 137.08E–.07 281–4 3.3b ¶12703226
JMA III 14 05 13 16.4–.30 36.37N 137.06E 274–3 2.8
IDC III 14 05 13 16.3–.85 36.36N 137.10E 278–9 3.3,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=8.1km az=38.6.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=25.1km s-min=12.5km az=70.0.
ISC III 14 09 35 34.8–1.3 36.2N–.10 137.2E–.20 259–10 11 0-60
ISCJB III 14 09 35 33.7–.89 36.2N–.10 137.2E–.20 267–7 3.1b ¶12703241
IDC III 14 09 35 34.2–1.8 36.00N 136.77E 239–46 3.2,3.0b
JMA III 14 09 35 34.5–.30 36.15N 137.21E 261–3 2.8,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.6km s-min=16.7km az=164.5.
IDC Error ellipse: s-maj=111.1km s-min=29.1km az=60.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA III 14 14 35 21.4 36.12N 138.05E 9 1.5
¶15552053
ISC III 18 22 57 29.2–1.0 39.07N–.03 140.93E–.05 12–10 3.6b 16 0-63
IDC III 18 22 57 19.6–2.3 40.37N 140.60E 0 3.6,3.5b ¶12703618
ISCJB III 18 22 57 29.3–.58 39.07N–.03 140.95E–.05 20–7 3.4b,3.5b
JMA III 18 22 57 29.7 39.07N 140.92E 7–1 3.1,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=62.9km s-min=32.0km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.7km az=165.2.
JMA Event type fe.
JMA III 19 08 36 20.7 36.94N 138.44E 8–1 0.9
¶15554278
JMA III 23 05 36 31.4 36.11N 137.55E 4–2 0.3
¶16414498
JMA III 25 06 26 56.8 39.09N 140.95E 7–1 2.9
¶16414500
JMA Event type fe.
JMA III 25 06 27 28.8 39.09N 140.95E 7–1 2.4
¶16414501
ISC III 27 16 23 16.9–.66 36.41N–.05 139.31E–.06 140–5 4.2b 125 0-148
NIED III 27 16 23 00 36.40N 139.30E 135 4.1W ¶12062609
ISCJB III 27 16 23 15.5–.35 36.41N–.04 139.36E–.06 143–2 4.2b
NEIC III 27 16 23 17.0–1.1 36.66N 139.37E 136–8 4.5b,4.1W
MOS III 27 16 23 16.3–.87 36.58N 139.21E 141 4.5b,4.1W
IDC III 27 16 23 17.4–.65 36.34N 139.14E 141–4 3.8,3.8
JMA III 27 16 23 17.5–.10 36.36N 139.34E 133–1 3.7,3.8
BJI III 27 16 23 20.8 37.37N 137.55E 54 4.8b,4.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ61.00000°,λ133.00000°. NP2:ϕ_s87.00000°,δ51.00000°,λ39.00000°. $M_0$1.83000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=6.1km az=1.3.
NEIC Event type fe. Error ellipse: s-maj=23.5km s-min=9.2km az=122.0. Recorded [1 JMA] in Gumma, Kanagawa, Saitama, Tochigi, Tokyo and Yamanashi. Moment Tensor Solution. $M_0$1.80000×10^{15}
MOS Error ellipse: s-maj=12.8km s-min=7.8km az=120.2.
IDC Error ellipse: s-maj=16.1km s-min=7.6km az=71.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s331.00000°,δ61.00000°,λ139.00000°. NP2: ϕ_s83.00000°,δ55.00000°,λ36.00000°. Principal axes: T Plg48.0000°,Azm294.0000°

; N Plg42.0000°,Azm122.0000°; P Plg4.0000°,Azm28.0000°
ISC III 30 12 01 25.7–.66 36.29N–.06 137.08E–.06 271–5 3.5b 55 0-68
ISCJB III 30 12 01 24.9–.32 36.30N–.04 137.09E–.06 277–3 3.5b **¶15557746**
JMA III 30 12 01 25.6–.10 36.28N 137.12E 273–1 3.4
IDC III 30 12 01 25.8–.46 36.25N 137.07E 271–4 3.2,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.9km az=37.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=13.3km s-min=11.2km az=91.0.
ISC IV 02 23 43 51.7–.76 36.21N–.05 139.79E–.05 62–6 3.7b 30 0-78
ISCJB IV 02 23 43 50.4–.47 36.20N–.04 139.80E–.06 68–3 3.6b **¶12934354**
JMA IV 02 23 43 52.1–.10 36.18N 139.80E 55–1 3.7
IDC IV 02 23 43 52.1–1.7 36.16N 139.76E 68–14 3.5,3.5
NIED IV 02 23 44 00 36.20N 139.80E 50 3.8W,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=6.5km az=159.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s43.00000°,δ56.00000°,λ98.00000°. NP2: ϕ_s208.00000°,δ34.00000°,λ78.00000°. Principal axes: T Plg77.0000°,Azm339.0000° ; N Plg7.0000°,Azm218.0000°; P Plg11.0000°,Azm127.0000°
IDC Error ellipse: s-maj=23.3km s-min=7.7km az=63.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ61.00000°,λ68.00000°. NP2:ϕ_s261.00000°,δ36.00000°,λ124.00000°. $M_0$5.82000×10^{14}
ISC IV 05 04 56 27.6–1.0 36.59N–.04 139.18E–.04 16–8 17 0-60
NIED IV 05 04 56 00 36.60N 139.20E 17 3.3W **¶12088412**
IDC IV 05 04 56 24.5–2.1 36.77N 139.27E 0 4.0,3.8
ISCJB IV 05 04 56 27.2–.69 36.59N–.04 139.22E–.05 25–6 3.9b,3.8
JMA IV 05 04 56 28.3 36.60N 139.18E 11–1 3.4,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ72.00000°,λ20.00000°. NP2:ϕ_s252.00000°,δ71.00000°,λ161.00000°. $M_0$8.51000×10^{13}
IDC Error ellipse: s-maj=31.0km s-min=13.6km az=1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=6.4km az=160.1.
JMA Event type fe.
ISC IV 05 17 50 05.4–.76 39.12N–.04 141.01E–.05 16 3.6b 18 0-63
NIED IV 05 17 50 00 39.10N 141.00E 5 3.7W **¶12934552**
IDC IV 05 17 50 02.9–1.2 39.16N 141.23E 0 3.7,3.5
ISCJB IV 05 17 50 04.4–.61 39.18N–.04 141.12E–.06 16 3.6b,3.5
JMA IV 05 17 50 05.4 39.12N 140.97E 8–1 3.9,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ68.00000°,λ91.00000°. NP2: ϕ_s187.00000°,δ22.00000°,λ88.00000°. $M_0$3.76000×10^{14}
IDC Error ellipse: s-maj=28.3km s-min=22.0km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=5.1km az=162.2.
JMA Event type fe.
ISC IV 06 05 20 22.0–.69 36.22N–.08 137.10E–.07 272–6 3.4b 34 0-93
JMA IV 06 05 20 21.5–.20 36.20N 137.13E 277–2 3.3 **¶12934677**
ISCJB IV 06 05 20 21.2–.42 36.23N–.07 137.09E–.08 277–3 3.2b
IDC IV 06 05 20 22.1–.79 36.21N 137.07E 273–5 3.3,3.1
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=9.0km az=41.6.
IDC Error ellipse: s-maj=23.0km s-min=18.1km az=94.0.
JMA IV 07 00 37 51.5 35.86N 138.77E 12–1 2.7
¶15560445
JMA Event type fe.
JMA IV 07 14 01 41.3 39.16N 140.83E 7–1 0.9
¶15560666
ISC IV 09 18 34 12.1–.84 39.73N–.04 141.85E–.07 61–6 3.6b 31 0-67
ISCJB IV 09 18 34 11.3–.63 39.75N–.04 141.88E–.09 67–3 3.5b **¶12934869**
JMA IV 09 18 34 12.8–.10 39.76N 141.85E 57–1 3.6
IDC IV 09 18 34 13.3–2.6 39.76N 142.23E 84–21 3.4,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.6km az=10.0.
JMA Event type fe.
IDC Error ellipse: s-maj=29.1km s-min=19.7km az=111.0.
JMA IV 10 00 04 29.2 35.74N 137.78E 13–1 2.6
¶15412350
ISC IV 13 01 34 02.7–.75 36.08N–.03 139.85E–.04 51–6 3.7b 49 0-92
NIED IV 13 01 34 00 36.10N 139.80E 50 3.9W **¶12935227**
ISCJB IV 13 01 34 01.8–.35 36.07N–.03 139.88E–.05 58–3 3.7b,3.3s
JMA IV 13 01 34 02.7–.10 36.08N 139.85E 47–1 3.9,3.3s
IDC IV 13 01 34 03.3–1.5 36.02N 139.74E 58–15 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s49.00000°,δ71.00000°,λ70.00000°. NP2:ϕ_s277.00000°,δ27.00000°,λ135.00000°. $M_0$6.70000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.6km az=170.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s41.00000°,δ74.00000°,λ83.00000°. NP2: ϕ_s244.00000°,δ17.00000°,λ113.00000°. Principal axes: T Plg60.0000°,Azm301.0000° ; N Plg6.0000°,Azm42.0000°; P Plg29.0000°,Azm136.0000°
IDC Error ellipse: s-maj=17.1km s-min=10.4km az=71.0.
ISC IV 14 13 38 53.8–.83 40.48N–.06 140.3E–.10 169–6 3.2b 24 0-76
ISCJB IV 14 13 38 52.7–.56 40.49N–.05 140.2E–.10 172–4 3.1b **¶12935255**
IDC IV 14 13 38 53.1–1.6 40.53N 140.11E 160–14 3.2,3.0
JMA IV 14 13 38 54.0–.10 40.45N 140.20E 166–1 3.0,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=7.7km az=15.2.
IDC Error ellipse: s-maj=48.2km s-min=14.2km az=113.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC IV 16 07 19 14.0–.84 36.05N–.04 139.88E–.05 50–7 3.9b 38 0-77
NIED IV 16 07 19 00 36.10N 139.90E 53 4.1W **¶12935377**
ISCJB IV 16 07 19 13.0–.46 36.05N–.03 139.89E–.05 58–3 3.9b,3.2s
JMA IV 16 07 19 14.0–.10 36.07N 139.88E 48–1 3.8,3.2s
IDC IV 16 07 19 15.1–1.4 35.95N 139.76E 62–13 3.8,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s46.00000°,δ73.00000°,λ78.00000°. NP2:ϕ_s261.00000°,δ21.00000°,λ123.00000°. $M_0$1.61000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=5.5km az=10.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s45.00000°,δ76.00000°,λ80.00000°. NP2:ϕ_s260.00000°,δ17.00000°,λ124.00000°. Principal axes: T Plg58.0000°,Azm302.0000°; N Plg9.0000°,Azm47.0000°; P Plg30.0000° ,Azm143.0000°
IDC Error ellipse: s-maj=18.4km s-min=7.3km az=62.0.
JMA IV 18 15 09 38.0 38.94N 140.88E 6–1 0.5
¶15415555
JMA IV 18 15 10 30.1–.10 36.50N 137.65E 2–1 0.9
¶15415556
JMA IV 23 00 19 13.2–.10 36.48N 137.66E 1–2 0.3
¶15417038
JMA IV 23 00 19 18.0–.10 36.48N 137.66E 1–2 1.2
¶15417041
ISC IV 23 22 17 42.3–.84 37.04N–.05 139.52E–.06 149–6 3.2b 35 0-57
ISCJB IV 23 22 17 41.3–.51 37.04N–.04 139.52E–.07 152–3 3.1b **¶12935994**
IDC IV 23 22 17 42.8–1.3 36.96N 139.47E 153–10 3.1,3.0
JMA IV 23 22 17 42.4–.10 37.02N 139.54E 147–1 2.8,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.8km az=5.7.
IDC Error ellipse: s-maj=27.3km s-min=12.3km az=65.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IV 26 08 55 20.7–.86 36.16N–.08 137.14E–.08 266–6 3.3b 27 1-93
ISCJB IV 26 08 55 20.0–.54 36.16N–.06 137.14E–.10 271–4 3.2b **¶15418138**
IDC IV 26 08 55 20.1–1.1 36.08N 137.09E 260–7 3.4,3.1
JMA IV 26 08 55 20.7–.10 36.19N 137.13E 267–1 3.0,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=7.9km az=34.7.
IDC Error ellipse: s-maj=39.8km s-min=19.1km az=102.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA IV 28 11 22 31.4 36.99N 137.68E 0 0.8
¶16555939
ISC IV 28 14 02 03.3–1.1 39.18N–.03 140.95E–.03 7–7 4.0b 32 0-74
NIED IV 28 14 02 00 39.20N 141.00E 5 3.8W **¶12742500**
ISCJB IV 28 14 02 02.9–.46 39.22N–.03 140.97E–.04 18–4 3.9b,2.9s
JMA IV 28 14 02 03.1 39.19N 140.95E 7–1 3.9,2.9s
IDC IV 28 14 02 09.3–2.1 39.13N 140.73E 56–19 3.8,3.7b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ54.00000°,λ94.00000°. NP2:ϕ_s204.00000°,δ36.00000°,λ84.00000°. $M_0$5.63000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.9km az=31.6.
JMA Event type fe.
IDC Error ellipse: s-maj=21.0km s-min=12.7km az=102.0.
JMA IV 30 09 45 29.1 39.02N 140.80E 5–1 0.7
¶15419545
ISC V 02 11 44 25.0–1.2 39.17N–.03 140.86E–.03 2–9 3.6b 25 0-67
JMA V 02 11 44 24.6 39.17N 140.84E 7–1 3.3 **¶13678228**
IDC V 02 11 44 24.8–1.1 39.18N 140.67E 0 3.5,3.5b
ISCJB V 02 11 44 24.3–.51 39.18N–.03 140.85E–.04 10–4 3.4b,3.5b
ISC Event type ke.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s306.00000°,δ76.00000°,λ-24.00000°. NP2:ϕ_s42.00000°,δ67.00000°,λ-164.00000°. Principal axes: T Plg6.0000°,Azm355.0000°; N Plg62.0000°,Azm97.0000°; P Plg27.0000° ,Azm262.0000°
ISCJB Event type fe.
ISC V 02 17 39 27.3–1.2 36.11N–.04 139.88E–.06 54–9 23 0-60
IDC V 02 17 39 14.8–7.1 36.69N 140.75E 0 3.4,3.2b **¶13678241**
ISCJB V 02 17 39 26.4–.73 36.10N–.04 139.90E–.06 63–5 3.4b,3.2b
JMA V 02 17 39 27.7–.10 36.10N 139.87E 49–1 3.1,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=152.0km s-min=38.5km az=27.0.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=7.3km az=173.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC V 08 12 31 39.6–.97 39.06N–.04 140.92E–.04 13–8 3.6b 17 0-63
IDC V 08 12 31 38.0–2.4 39.02N 140.90E 0 3.5,3.3 **¶13678555**
JMA V 08 12 31 39.8 39.09N 140.90E 8–1 3.1,3.3
ISCJB V 08 12 31 39.1–.52 39.08N–.03 140.91E–.05 24–5 3.4b,2.9s
ISC Event type ke.
JMA Event type fe.
ISCJB Event type fe.
JMA V 14 07 34 08.4–.10 37.06N 140.91E 90–1 3.5
¶15425088
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC V 16 13 41 20.6–.83 36.49N–.05 139.43E–.07 117–6 3.4b 30 0-69
ISCJB V 16 13 41 19.4–.48 36.48N–.04 139.47E–.09 124–3 3.5b **¶15425834**
IDC V 16 13 41 20.6–1.1 36.49N 139.42E 118–8 3.4,3.3
JMA V 16 13 41 21.2–.10 36.45N 139.46E 112–1 3.2,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=6.8km az=1.3.
IDC Error ellipse: s-maj=24.2km s-min=10.2km az=72.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA V 17 23 42 08.6 36.00N 137.29E 11 3.4
¶12831000
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s334.00000°,δ89.00000°,λ-6.00000°. NP2:ϕ_s64.00000°,δ84.00000°,λ-179.00000°. Principal axes: T Plg3.0000°,Azm19.0000°; N Plg84.0000°,Azm140.0000°; P Plg5.0000° ,Azm289.0000°
ISC V 19 18 16 12.4–.74 38.39N–.04 140.34E–.05 118–5 3.7b 44 0-67
ISCJB V 19 18 16 11.5–.40 38.39N–.04 140.35E–.05 127–3 3.7b **¶13679250**
IDC V 19 18 16 11.4–1.9 38.46N 140.49E 115–16 4.2s,4.2
JMA V 19 18 16 12.8–.10 38.37N 140.36E 118–1 3.2,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.4km az=42.1.
IDC Error ellipse: s-maj=28.0km s-min=13.5km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC V 26 21 40 42.0–.65 39.55N–.03 141.92E–.05 34–1 4.2b 80 0-77
NIED V 26 21 40 00 39.50N 142.00E 35 3.9W **¶15429591**
BJI V 26 21 40 37.9 39.69N 142.46E 40 4.6b,4.6b
ISCJB V 26 21 40 40.7–.48 39.54N–.03 141.98E–.06 41–3 4.1b,4.1s
JMA V 26 21 40 41.5 39.55N 141.94E 33–1 3.9,4.1s
IDC V 26 21 40 42.1–.97 39.52N 141.91E 36–6 3.9,3.9L
NEIC V 26 21 40 43.4–.61 39.56N 141.90E 49–5 4.3b,3.9L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s65.00000°,δ55.00000°,λ55.00000°. NP2:ϕ_s296.00000°,δ48.00000°,λ129.00000°. $M_0$7.35000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.9km az=17.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s68.00000°,δ54.00000°,λ63.00000°. NP2:ϕ_s289.00000°,δ44.00000°,λ122.00000°. Principal axes: T Plg68.0000°,Azm280.0000°; N Plg21.0000°,Azm85.0000°; P Plg5.0000° ,Azm177.0000°
IDC Error ellipse: s-maj=19.5km s-min=14.1km az=103.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=5.2km az=122.0.
JMA V 27 08 44 17.8 35.11N 137.61E 15 2.6
¶15429765
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s338.00000° ,δ71.00000°,λ74.00000°. NP2:ϕ_s200.00000°,δ25.00000°,λ129.00000°. Principal axes: T Plg61.0000°,Azm224.0000°; N Plg15.0000°,Azm344.0000°; P Plg24.0000°,Azm81.0000°
ISC V 29 05 39 38.5–.84 36.07N–.04 139.90E–.05 49–7 3.9b 30 0-77
NIED V 29 05 39 00 36.10N 139.90E 59 4.1W **¶13439816**
ISCJB V 29 05 39 37.4–.48 36.06N–.04 139.92E–.05 57–4 3.8b,2.2s
JMA V 29 05 39 38.6–.10 36.08N 139.89E 47–1 3.9,2.2s
IDC V 29 05 39 39.5–1.7 36.00N 139.85E 61–17 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ63.00000°,λ72.00000°. NP2:ϕ_s259.00000°,δ32.00000°,λ121.00000°. $M_0$1.51000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=6.2km az=177.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s40.00000°,δ74.00000°,λ93.00000°. NP2: ϕ_s211.00000°,δ16.00000°,λ81.00000°. Principal axes: T Plg61.0000°,Azm314.0000° ; N Plg3.0000°,Azm219.0000°; P Plg29.0000°,Azm128.0000°
IDC Error ellipse: s-maj=20.6km s-min=8.6km az=64.0.
ISC V 31 13 40 20.0–1.2 39.07N–.03 140.96E–.03 1–11 19 0-63
ISCJB V 31 13 40 19.4–.52 39.09N–.03 140.96E–.04 6–6 3.4b **¶13680035**
JMA V 31 13 40 19.6 39.10N 140.94E 6–1 3.1
IDC V 31 13 40 19.2–1.8 38.90N 141.25E 0 3.4,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.7km az=173.8.
JMA Event type fe.
IDC Error ellipse: s-maj=46.2km s-min=31.6km az=108.0.
ISC VI 03 14 40 06.5–1.1 35.95N–.07 137.34E–.07 247–8 27 0-59
IDC VI 03 14 39 51.9–6.9 34.29N 135.65E 0 3.9,3.7b **¶16100898**
ISCJB VI 03 14 40 06.1–.69 35.93N–.06 137.34E–.07 251–5 3.3b,3.7b
JMA VI 03 14 40 07.5–.20 35.90N 137.37E 241–2 3.1,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=295.5km s-min=31.2km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=8.5km az=141.5.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA VI 06 05 26 48.7–.10 36.85N 138.21E 13–2 0.5
¶15433281
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VI 10 22 53 04.2 35.29N 137.47E 11 3.7
NIED VI 10 22 53 00 35.30N 137.50E 11 3.4W **¶13046886**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s151.00000°,δ50.00000°,λ66.00000°. NP2:ϕ_s5.00000°,δ46.00000°,λ115.00000°. Principal axes: T Plg72.0000°,Azm355.0000°; N Plg18.0000°,Azm166.0000°; P Plg2.0000° ,Azm257.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s154.00000°,δ51.00000°,λ66.00000°. NP2:ϕ_s9.00000°,δ45.00000°,λ116.00000°. $M_0$1.46000×10^{14}
ISC VI 17 08 51 29.8–.63 39.73N–.03 141.81E–.06 58–4 4.1b 50 0-88
NIED VI 17 08 51 00 39.70N 141.80E 59 4.0W **¶13383498**
ISCJB VI 17 08 51 29.0–.43 39.75N–.03 141.84E–.06 67–3 3.9b
IDC VI 17 08 51 29.8–.93 39.70N 141.67E 59–6 3.9,3.8
JMA VI 17 08 51 30.3–.10 39.76N 141.83E 58–1 3.9,3.8
ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ69.00000°,λ81.00000°. NP2:ϕ_s217.00000°,δ22.00000°,λ112.00000°. $M_0$1.17000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.5km az=13.8.
IDC Error ellipse: s-maj=19.2km s-min=12.1km az=102.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s17.00000°,δ64.00000°,λ90.00000°. NP2:ϕ_s197.00000°,δ26.00000°,λ90.00000°. Principal axes: T Plg71.0000°,Azm287.0000°; N Plg0.0000°,Azm17.0000°; P Plg19.0000°,Azm107.0000°

ISC	**VI**	**23 16 08 56.7–1.2**	**36.3N–.10**	**137.3E–.10**	**266–8**		**21**	**0-60**
ISCJB	VI	23 16 08 55.7–.74	36.3N–.10	137.3E–.10	273–5	3.0b		¶13681911
IDC	VI	23 16 08 55.7–2.5	36.44N	136.93E	260–19	3.1,3.0		
JMA	VI	23 16 08 56.7–.10	36.32N	137.25E	265–2	2.7,3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=14.9km az=141.7.
IDC Error ellipse: s-maj=91.0km s-min=28.6km az=101.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA	**VI**	**23 23 27 53.9**	**39.17N**	**140.85E**	**6–1**	**3.1**		
								¶15440064
ISC	**VI**	**26 13 13 23.1–.96**	**39.08N–.03**	**140.95E–.04**	**12–8**	**3.5b**	**19**	**0-63**
IDC	VI	26 13 13 21.2–1.2	39.11N	140.99E	0	3.5,3.4		¶15441597
ISCJB	VI	26 13 13 22.7–.49	39.08N–.03	140.94E–.06	23–5	3.4b,3.4		
JMA	VI	26 13 13 23.2	39.06N	140.90E	7–1	3.2,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=16.4km az=122.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.5km az=173.0.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s24.00000°,δ47.00000°,λ102.00000°. NP2:ϕ_s186.00000°,δ45.00000°,λ77.00000°. Principal axes: T Plg81.0000°,Azm9.0000°; N Plg9.0000°,Azm195.0000°; P Plg1.0000°,Azm105.0000°

JMA	**VI**	**27 11 24 03.2**	**39.04N**	**140.86E**	**6–1**	**0.5**		
								¶15442184
ISC	**VI**	**27 11 42 11.7–.93**	**39.18N–.03**	**140.94E–.03**	**11–6**	**4.4b,3.4s**	**142**	**0-146**
NIED	VI	27 11 42 00	39.20N	141.00E	5	4.1W,3.4s		¶13383575
IDC	VI	27 11 42 09.9–.56	39.16N	140.96E	0	4.2,4.2		
JMA	VI	27 11 42 11.1	39.19N	140.95E	7	4.2,4.2		
ISCJB	VI	27 11 42 11.1–.43	39.19N–.02	140.95E–.04	18–3	4.3b,3.3s		
MOS	VI	27 11 42 13.4–1.1	39.19N	140.82E	33	4.6b,3.3s		
NEIC	VI	27 11 42 16.0–.61	39.16N	140.93E	44–5	4.4b,3.3s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ53.00000°,λ96.00000°. NP2:ϕ_s186.00000°,δ38.00000°,λ82.00000°. $M_0$1.55000×10^{15}
IDC Error ellipse: s-maj=14.9km s-min=11.7km az=121.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s240.00000°,δ86.00000°,λ-142.00000°. NP2:ϕ_s147.00000°,δ52.00000°,λ-5.00000°. Principal axes: T Plg23.0000°,Azm7.0000°; N Plg51.0000°,Azm245.0000°; P Plg29.0000°,Azm111.0000°
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.9km az=6.9.
MOS Error ellipse: s-maj=9.7km s-min=6.2km az=93.6.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=127.0.

ISC	**VI**	**30 18 32 06.2–.98**	**39.06N–.03**	**140.98E–.04**	**15–8**	**3.2b**	**18**	**0-63**
IDC	VI	30 18 32 03.5–1.6	39.14N	141.24E	0	3.4,3.4b		¶15443983
ISCJB	VI	30 18 32 06.3–.51	39.03N–.03	140.93E–.05	22–6	3.3b,3.4b		
JMA	VI	30 18 32 06.7	39.03N	140.90E	8–1	3.2,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=35.6km s-min=23.9km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.6km az=166.2.
JMA Event type fe.

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JMA	**I**	**01 15 12 14.2–.10**	**38.70N**	**142.26E**	**37–2**	**3.6**		
NIED	I	01 15 12 00	38.70N	142.30E	71	3.9W		¶15527216

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s289.00000°,δ50.00000°,λ-87.00000°. NP2:ϕ_s104.00000°,δ40.00000°,λ-94.00000°. $M_0$7.22000×10^{14}

ISC	**I**	**03 07 13 04.5–.34**	**37.08N–.03**	**141.19E–.03**	**54–2**	**4.8b,3.9s**	**504**	**0-152**
NIED	I	03 07 13 00	37.10N	141.20E	50	4.7W,3.9s		¶13404562
MOS	I	03 07 13 01.1–.92	37.06N	141.06E	38	5.0b,3.9s		
BJI	I	03 07 13 02.0	37.13N	141.17E	57	5.0b,4.9b		
ISCJB	I	03 07 13 03.0–.39	37.09N–.03	141.17E–.03	55–2	4.8b,3.9s		
JMA	I	03 07 13 03.5–.10	37.06N	141.17E	51–1	4.8,3.9s		
IDC	I	03 07 13 04.2–.46	37.05N	141.01E	50–4	4.4,4.4		
NEIC	I	03 07 13 05.1–.73	37.13N	141.06E	58–6	4.8b,4.6W		
SZGRF	I	03 07 13 06.5	38.20N	141.38E	33	4.9b,4.6W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ71.00000°,λ86.00000°. NP2:ϕ_s216.00000°,δ19.00000°,λ103.00000°. $M_0$1.07000×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=4.6km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.7km az=40.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s12.00000°,δ71.00000°,λ84.00000°. NP2: ϕ_s209.00000°,δ19.00000°,λ106.00000°. Principal axes: T Plg63.0000°,Azm273.0000°; N Plg5.0000°,Azm13.0000°; P Plg26.0000°,Azm106.0000°
IDC Error ellipse: s-maj=13.2km s-min=9.7km az=111.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.9km az=133.0. Felt at Tokyo. Recorded [4 JMA] in Fukushima; [2 JMA] in Ibaraki, Miyagi and Tochigi; [1 JMA] in Chiba, Gumma, Iwate, Niigata, Saitama, Tokyo and Yamagata. Moment Tensor Solution. $M_0$1.10000×10^{16}
SZGRF Near east coast of eastern Honshu, Japan.

ISC	**I**	**03 16 02 39.7–2.0**	**37.03N–.07**	**141.4E–.10**	**38–3**	**3.3b**	**24**	**0-61**
IDC	I	03 16 02 39.8–1.3	37.45N	140.81E	0	3.4b,3.4		¶15527924
ISCJB	I	03 16 02 39.7–1.2	37.04N–.05	141.3E–.10	47–7	3.3b,3.4		
JMA	I	03 16 02 41.1–.10	37.06N	141.20E	50–1	3.7,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=21.3km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=15.4km s-min=6.9km az=22.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**I**	**04 00 44 54.7–.97**	**36.98N–.07**	**141.74E–.07**	**19**	**4.1b**	**29**	**1-90**
IDC	I	04 00 44 51.1–1.8	36.89N	141.85E	0	4.1b,4.1		¶13404588
ISCJB	I	04 00 44 52.6–.80	36.98N–.06	141.95E–.06	19	4.0b,4.1		
JMA	I	04 00 44 55.4–.20	36.98N	141.79E	45–4	3.9,4.1		

ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=21.8km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.8km az=142.8.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

ISC	**I**	**04 03 30 55.8–2.6**	**37.00N–.08**	**141.8E–.10**	**15–11**	**3.8b**	**22**	**1-51**
IDC	I	04 03 30 54.3–8.7	36.31N	142.32E	50–70	4.0L,3.9		¶12080070
JMA	I	04 03 30 57.1–.20	36.96N	141.78E	38–2	3.7,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=126.1km s-min=55.7km az=3.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**I**	**05 01 36 29.2–.45**	**36.99N–.04**	**141.76E–.03**	**32–2**	**4.8b,4.0s**	**401**	**1-155**
NIED	I	05 01 36 00	37.00N	141.80E	23	4.5W,4.0s		¶13404611
BJI	I	05 01 36 25.7	36.99N	141.75E	20	4.8b,4.8b		
JMA	I	05 01 36 28.2–.20	36.97N	141.76E	50–3	4.8,4.8b		
MOS	I	05 01 36 28.5–1.2	37.07N	141.81E	40	4.9b,4.8b		
ISCJB	I	05 01 36 28.4–.60	36.96N–.03	141.76E–.04	39–4	4.7b,4.0s		
NEIC	I	05 01 36 29.1–.83	36.88N	141.88E	39–7	4.8b,4.5W		
IDC	I	05 01 36 30.9–2.3	36.96N	141.67E	46–20	4.5,4.5L		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ69.00000°,λ90.00000°. NP2:ϕ_s205.00000°,δ21.00000°,λ90.00000°. $M_0$6.98000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=8.4km s-min=5.1km az=119.5.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.2km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=6.1km az=120.0. Felt at Narita. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi; [1 JMA] in Gumma, Kanagawa, Miyagi and Saitama. Moment Tensor Solution. $M_0$7.00000×10^{15}
IDC Error ellipse: s-maj=17.2km s-min=13.9km az=106.0.

ISC	**I**	**05 23 49 49.7–2.4**	**36.56N–.07**	**141.5E–.10**	**17–11**	**3.5b**	**18**	**1-57**
ISCJB	I	05 23 49 51.5–1.6	36.58N–.06	141.46E–.09	25–7	3.2b		¶15528810
JMA	I	05 23 49 52.6–.10	36.58N	141.36E	45–2	3.2		
IDC	I	05 23 50 01.0–1.7	34.82N	137.79E	0	3.5,3.4b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=8.3km az=27.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=45.6km s-min=24.5km az=83.0.

ISC	**I**	**06 16 27 38.5–2.6**	**36.77N–.08**	**141.7E–.10**	**8–12**		**23**	**1-44**
IDC	I	06 16 27 35.7–6.3	36.69N	141.86E	0	3.4b,3.4		¶12080526
JMA	I	06 16 27 41.7–.10	36.73N	141.51E	51–2	3.2,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=115.5km s-min=47.1km az=150.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**I**	**06 16 50 05.0–2.8**	**36.74N–.07**	**141.1E–.10**	**52–15**		**20**	**0-2**
JMA	I	06 16 50 05.5	36.76N	141.00E	58–1	3.5		¶15529055

ISC Event type ke.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s17.00000°,δ81.00000°,λ-96.00000°. NP2:ϕ_s234.00000°,δ11.00000°,λ-54.00000°. Principal axes: T Plg36.0000°,Azm113.0000°; N Plg6.0000°,Azm18.0000°; P Plg53.0000°,Azm280.0000°

ISC	**I**	**06 21 44 37.2–.86**	**36.98N–.05**	**141.67E–.07**	**33**	**3.8b**	**60**	**1-63**
NIED	I	06 21 44 00	37.00N	141.50E	41	3.9W		¶15529132
ISCJB	I	06 21 44 35.4–.60	36.96N–.04	141.71E–.05	33	3.8b,3.1s		
JMA	I	06 21 44 36.8–.20	36.97N	141.54E	49–2	4.0,3.1s		
IDC	I	06 21 44 37.7–1.2	36.98N	141.67E	37–7	3.6,3.6L		
NEIC	I	06 21 44 38.1–1.2	36.97N	141.73E	44–9	4.1b,3.6L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ81.00000°,λ86.00000°. NP2:ϕ_s220.00000°,δ10.00000°,λ114.00000°. $M_0$9.12000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=135.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s319.00000°,δ82.00000°,λ79.00000°. NP2: ϕ_s192.00000°,δ14.00000°,λ143.00000°. Principal axes: T Plg52.0000°,Azm216.0000°; N Plg11.0000°,Azm320.0000°; P Plg36.0000°,Azm58.0000°
IDC Error ellipse: s-maj=24.6km s-min=19.4km az=86.0.
NEIC Event type fe. Error ellipse: s-maj=16.5km s-min=14.5km az=50.0. Recorded [2 JMA] in Fukushima.

ISC	**I**	**07 08 46 11.4–1.1**	**40.11N–.04**	**142.37E–.07**	**31**	**3.7b**	**29**	**0-60**
NIED	I	07 08 46 00	40.10N	142.50E	47	3.7W		¶12080620
ISCJB	I	07 08 46 09.9–.77	40.12N–.03	142.50E–.07	31	3.7b		
JMA	I	07 08 46 10.6–.10	40.12N	142.47E	34–1	3.8		
IDC	I	07 08 46 13.8–2.5	40.13N	142.58E	72–21	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ75.00000°,λ84.00000°. NP2:ϕ_s223.00000°,δ16.00000°,λ111.00000°. $M_0$4.41000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.5km az=16.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=35.9km s-min=16.1km az=95.0.

JMA	**I**	**08 03 18 41.8–.10**	**38.71N**	**142.25E**	**37–2**	**3.6**		
								¶15529672
ISC	**I**	**09 18 07 11.6–.99**	**35.01N–.04**	**140.22E–.03**	**14–7**	**3.5b**	**26**	**0-59**
ISCJB	I	09 18 07 12.2–.46	35.06N–.04	140.28E–.04	33–5	3.6b		¶12080868
JMA	I	09 18 07 12.9–.10	35.12N	140.28E	17–1	3.0		
IDC	I	09 18 07 13.1–2.7	34.66N	139.01E	0	3.6,3.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.1km az=34.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=108.2km s-min=19.7km az=71.0.

ISC	**I**	**10 20 55 30.9–2.5**	**39.60N–.07**	**142.8E–.10**	**19–5**		**15**	**1-60**
JMA	I	10 20 55 30.3–.20	39.56N	142.89E	23–2	3.6		¶12080983
IDC	I	10 20 55 38.6–3.2	40.03N	141.12E	0	3.5,3.3b		

ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=83.1km s-min=34.9km az=68.0.

ISC	**I**	**13 14 11 47.5–1.4**	**35.93N–.06**	**141.0E–.10**	**31**	**3.5b**	**16**	**0-60**
ISCJB	I	13 14 11 47.2–1.2	36.00N–.06	141.0E–.10	31	3.3b		¶15531163
JMA	I	13 14 11 49.3–.10	35.89N	140.81E	39–1	3.2		
IDC	I	13 14 11 51.5–1.7	34.62N	138.41E	0	3.6,3.5b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.4km az=148.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s47.00000°,δ76.00000°,λ95.00000°. NP2: ϕ_s209.00000°,δ15.00000°,λ72.00000°. Principal axes: T Plg59.0000°,Azm323.0000°; N Plg4.0000°,Azm226.0000°; P Plg31.0000°,Azm133.0000°
IDC Error ellipse: s-maj=59.3km s-min=19.1km az=79.0.

ISC	**I**	**14 19 09 23.7–1.0**	**39.63N–.04**	**142.13E–.09**	**48–7**	**3.6b**	**32**	**0-67**
ISCJB	I	14 19 09 22.5–.77	39.64N–.03	142.1E–.10	53–5	3.6b		¶12081287
JMA	I	14 19 09 23.3	39.64N	142.11E	48–1	3.4		
IDC	I	14 19 09 26.1–2.5	39.60N	142.12E	79–22	3.4,3.3b		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=13.0km s-min=5.1km az=7.4.
JMA Event type fe.
IDC Error ellipse: s-maj=26.3km s-min=19.4km az=104.0.

ISC	**I**	**16 17 39 29.2–1.9**	**36.29N–.04**	**141.14E–.07**	**34–5**	**3.7b**	**40**	**1-83**
NIED	I	16 17 39 00	36.30N	141.10E	32	3.7W		¶12081459
ISCJB	I	16 17 39 28.7–.63	36.28N–.03	141.12E–.06	44–5	3.7b		
JMA	I	16 17 39 29.3–.10	36.29N	141.03E	48–1	3.5		
IDC	I	16 17 39 30.7–2.3	36.24N	141.07E	47–20	3.7L,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ59.00000°,λ-84.00000°. NP2:ϕ_s236.00000°,δ31.00000°,λ-100.00000°. $M_0$3.41000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.7km az=7.6.
JMA Event type fe.
IDC Error ellipse: s-maj=22.7km s-min=15.8km az=165.0.

ISC	**I**	**18 09 36 33.1–.88**	**36.40N–.05**	**140.85E–.07**	**54–8**	**3.6b**	**28**	**0-83**
NIED	I	18 09 36 00	36.50N	140.60E	77	3.8W		¶12081632
ISCJB	I	18 09 36 32.4–.67	36.45N–.05	140.82E–.07	61–4	3.6b		
IDC	I	18 09 36 33.8–2.2	36.51N	140.63E	50–20	3.9L,3.6		
JMA	I	18 09 36 35.1–.10	36.52N	140.57E	57–1	3.9,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ74.00000°,λ113.00000°. NP2:ϕ_s151.00000°,δ27.00000°,λ36.00000°. $M_0$5.05000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=7.2km az=40.7.
IDC Error ellipse: s-maj=21.2km s-min=14.1km az=96.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s21.00000°,δ60.00000°,λ99.00000°. NP2:ϕ_s183.00000°,δ31.00000°,λ74.00000°. Principal axes: T Plg73.0000°,Azm313.0000°; N Plg8.0000°,Azm196.0000°; P Plg15.0000°,Azm104.0000°

ISC	**I**	**23 02 43 56.0–4.3**	**36.65N–.09**	**141.44E–.09**	**17–27**	**3.4b**	**17**	**1-75**
IDC	I	23 02 43 52.3–2.6	36.39N	141.61E	0	3.7,3.4b		¶12082092
ISCJB	I	23 02 43 55.8–1.6	36.64N–.08	141.48E–.09	27–8	3.2b,3.4b		
JMA	I	23 02 43 56.4–.10	36.64N	141.42E	49–2	3.4,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=84.6km s-min=24.7km az=178.0.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=11.0km az=140.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**I**	**23 06 08 40.8–1.2**	**38.49N–.06**	**142.2E–.10**	**79–10**	**3.5b**	**37**	**1-89**
ISCJB	I	23 06 08 40.2–.71	38.49N–.04	142.10E–.09	86–5	3.4b		¶12082104
JMA	I	23 06 08 41.4–.10	38.51N	142.05E	82–1	3.8		
IDC	I	23 06 08 42.0–2.3	38.57N	142.19E	88–20	3.5,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=6.3km az=19.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=14.4km az=127.0.

ISC	**I**	**25 05 13 08.3–2.4**	**36.70N–.08**	**141.97E–.09**	**3–12**	**3.6b**	**26**	**1-61**
NIED	I	25 05 13 00	36.60N	142.20E	17	3.6W		¶12082283
JMA	I	25 05 13 07.0–.30	36.65N	142.15E	19	3.8		
IDC	I	25 05 13 15.2–1.4	37.11N	140.89E	0	3.7b,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ77.00000°,λ67.00000°. NP2:ϕ_s264.00000°,δ27.00000°,λ150.00000°. $M_0$2.42000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=32.5km s-min=28.2km az=81.0.

ISC	**I**	**28 23 56 05.8–.46**	**35.61N–.04**	**140.64E–.04**	**51–3**	**4.6b,3.9s**	**224**	**0-148**
NIED	I	28 23 56 00	35.70N	140.70E	53	4.7W,3.9s		¶11656188
JMA	I	28 23 56 04.9–.10	35.65N	140.66E	51–1	4.3,3.9s		
ISCJB	I	28 23 56 05.2–.33	35.58N–.03	140.63E–.04	55–2	4.6b,3.9s		

NEIC I 28 23 56 05.7–.64 35.49N 140.54E 43–5 4.9b,4.7W
MOS I 28 23 56 06.8–1.4 35.68N 140.55E 67 4.7b,4.7W
BJI I 28 23 56 06.1 35.48N 140.48E 70 4.8b,4.7b
IDC I 28 23 56 06.3–2.0 35.51N 140.51E 47–18 4.3L,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s358.00000°,δ68.00000°,λ87.00000°. NP2:ϕ_s185.00000°,δ22.00000°,λ96.00000°. $M_0$1.30000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s9.00000°,δ82.00000°,λ91.00000°. NP2: ϕ_s179.00000°,δ8.00000°,λ80.00000°. Principal axes: T Plg53.0000°,Azm281.0000° ; N Plg1.0000°,Azm189.0000°; P Plg37.0000°,Azm98.0000°
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.6km az=171.5.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=4.4km az=97.0. Felt at Ayase, Narita, Sagamihara, Tokyo and Yokohama. Recorded [3 JMA] in Chiba, [2 JMA] in Ibaraki and [1 JMA] in Kanagawa and Tochigi. Moment Tensor Solution. $M_0$1.30000×10^{16}
MOS Error ellipse: s-maj=8.9km s-min=5.9km az=116.6.
IDC Error ellipse: s-maj=12.6km s-min=10.3km az=97.0.
ISC I 29 00 05 49.0–.47 35.67N–.05 140.65E–.05 45 4.1b 99 0-85
NIED I 29 00 05 00 35.70N 140.70E 62 4.3W **¶13434066**
IDC I 29 00 05 46.9–.98 35.57N 140.69E 27–5 3.9,3.9
ISCJB I 29 00 05 48.0–.36 35.72N–.03 140.66E–.06 45 4.2b,2.5s
NEIC I 29 00 05 49.0–.85 35.56N 140.64E 48–7 4.5b,4.2W
JMA I 29 00 05 49.0–.10 35.65N 140.66E 50–1 4.0,4.2W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ72.00000°,λ92.00000°. NP2:ϕ_s173.00000°,δ18.00000°,λ84.00000°. $M_0$2.87000×10^{15}
IDC Error ellipse: s-maj=17.7km s-min=15.9km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.9km az=179.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=7.8km az=152.0. Moment Tensor Solution. $M_0$2.90000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s9.00000°,δ79.00000°,λ81.00000°. NP2: ϕ_s228.00000°,δ14.00000°,λ129.00000°. Principal axes: T Plg55.0000°,Azm268.0000° ; N Plg8.0000°,Azm10.0000°; P Plg34.0000°,Azm106.0000°
ISC I 29 18 06 06.8–1.5 35.20N–.05 141.39E–.06 19–5 3.9b,3.1s 38 1-148
IDC I 29 18 06 04.1–.59 35.22N 141.37E 0 4.1,4.0 **¶12082683**
JMA I 29 18 06 06.9–.20 35.23N 141.42E 38–3 3.4,4.0
ISCJB I 29 18 06 07.8–.99 35.21N–.04 141.37E–.09 38–8 3.9b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC I 30 20 48 31.7–1.2 35.66N–.08 140.19E–.10 70–7 18 0-56
IDC I 30 20 48 27.6–8.7 35.80N 140.75E 45–60 3.5,3.4L **¶12082762**
ISCJB I 30 20 48 30.7–.98 35.66N–.07 140.2E–.10 76–6 3.3b,3.4L
JMA I 30 20 48 30.9–.20 35.73N 140.21E 67–2 2.7,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=120.5km s-min=30.1km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=10.7km az=156.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC I 30 21 03 59.0–.73 35.71N–.05 140.23E–.05 66–7 4.2b 86 0-79
ISCJB I 30 21 03 57.8–.40 35.66N–.03 140.24E–.05 74–3 4.0b **¶12082763**
NEIC I 30 21 03 57.7–.57 35.57N 140.31E 60–5 4.5b,3.9W
JMA I 30 21 03 58.3–.10 35.72N 140.22E 67–2 3.3,3.9W
IDC I 30 21 03 58.1–2.0 35.58N 140.28E 60–17 3.8,3.7
NIED I 30 21 04 00 35.70N 140.30E 71 4.0W,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=5.5km az=0.7.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.7km az=95.0. Moment Tensor Solution. $M_0$1.00000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s41.00000°,δ89.00000°,λ89.00000°. NP2: ϕ_s277.00000°,δ2.00000°,λ146.00000°. Principal axes: T Plg46.0000°,Azm309.0000° ; N Plg1.0000°,Azm41.0000°; P Plg44.0000°,Azm132.0000°
IDC Error ellipse: s-maj=22.5km s-min=14.4km az=74.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ62.00000°,λ100.00000°. NP2:ϕ_s175.00000°,δ29.00000°,λ72.00000°. $M_0$1.01000×10^{15}
ISC I 31 21 51 52.1–.19 36.75N–.03 141.22E–.02 35 5.6b,5.5s 2587 0-165
BJI I 31 21 51 49.6 36.75N 141.17E 32 5.8b,5.7b **¶12933595**
MOS I 31 21 51 50.0–.98 36.78N 141.31E 33 5.7b,5.4s
JMA I 31 21 51 51.8–.10 36.72N 141.28E 47–2 5.8,5.4s
ISCJB I 31 21 51 51.6–.08 36.75N–.02 141.22E–.01 39 5.6b,5.4s
IDC I 31 21 51 52.9–.50 36.74N 141.31E 42–4 5.4,5.3
DJA I 31 21 51 52 36.50N 141.15E 10 5.9W,5.3
NEIC I 31 21 51 52.2–.09 36.72N 141.15E 34 5.7W,5.7W
SZGRF I 31 21 51 55.8 37.18N 141.78E 43 5.7s,5.5b
BGS I 31 21 51 59.1–2.3 37.12N 137.47E 33 5.7s,5.4b
NIED I 31 21 52 00 36.70N 141.40E 41 5.7W,5.4b
ISC Event type fe.
MOS Error ellipse: s-maj=7.7km s-min=5.6km az=110.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.5km az=167.3.
IDC Error ellipse: s-maj=10.8km s-min=7.9km az=161.0.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=150.0. Felt [V] at Niiza, [III] at Sendai and Tsukuba and [II] at Tokyo. Also felt at Akiruno, Atsugi, Ayase, Choshi, Furukawa, Higashi-murayama, Inzai, Kawasaki, Koganei, Maebashi, Matsudo, Ryugasaki, Ujiie, Yokohama and Yokosuka. Recorded [4 JMA] in Fukushima and Ibaraki; [3 JMA] in Chiba, Gumma, Miyagi, Saitama and Tochigi; [2 JMA] in Aomori, Iwate, Kanagawa, Nagano, Niigata, Shizuoka, Yamagata and Yamanashi; [1 JMA] in Akita and Gifu. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s20.00000° ,δ80.00000°,λ100.00000°. NP2:ϕ_s155.00000°,δ14.00000°,λ45.00000°. Principal axes: T Plg54.0000°,Azm302.0000°; N Plg0.0000°,Azm0.0000°; P Plg34.0000°,Azm101.0000° Moment Tensor Solution. s78 Moment tensor: Scale 10^{17}Nm; M_{rr}1.12 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-1.53 $M_{r\theta}$1.81 $M_{\theta\phi}$-1.81 $M_{\phi r}$3.37 Best double couple: NP1:ϕ_s27.00000°,δ77.00000°,λ87.00000°. NP2:ϕ_s222.00000°,δ13.00000°,λ104.00000°. Principal axes: T 3.5200,Plg57.0000° ,Azm292.0000°; N 1.4900,Plg3.0000°,Azm27.0000°; P -5.0000,Plg31.0000°,Azm119.0000° $M_0$4.40000×10^{17} Moment Tensor Solution. $M_0$4.70000×10^{17}
SZGRF Near east coast of eastern Honshu, Japan.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ76.00000°,λ83.00000°. NP2:ϕ_s232.00000°,δ15.00000°,λ116.00000°. $M_0$4.65000×10^{17}
JMA I 31 21 58 09.8–.20 36.70N 141.29E 47–2
¶16172468
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC I 31 21 58 17.4–1.6 36.7N–.10 140.7E–.10 32 3.8b 6 0-74
IDC I 31 21 58 13.1–1.7 36.55N 141.04E 0 3.9b,3.9 **¶12082865**
JMA I 31 21 58 18.9–.10 36.73N 141.25E 45–2 3.6,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=41.7km s-min=26.8km az=81.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC II 01 05 43 40.9–.62 35.38N–.04 140.08E–.04 63–5 3.6b 45 0-118
NIED II 01 05 43 00 35.40N 140.10E 53 3.9W **¶12699311**
ISCJB II 01 05 43 40.0–.37 35.35N–.04 140.08E–.04 68–3 3.6b
IDC II 01 05 43 40.9–1.0 35.30N 140.02E 64–8 3.7,3.5
JMA II 01 05 43 40.5–.20 35.41N 140.08E 64–2 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s158.00000°,δ51.00000°,λ-81.00000°. NP2:ϕ_s324.00000°,δ39.00000°,λ-101.00000°. $M_0$9.25000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.6km az=42.1.
IDC Error ellipse: s-maj=18.5km s-min=17.8km az=45.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s334.00000°,δ52.00000°,λ-109.00000°. NP2: ϕ_s184.00000°,δ42.00000°,λ-67.00000°. Principal axes: T Plg5.0000°,Azm78.0000° ; N Plg15.0000°,Azm347.0000°; P Plg74.0000°,Azm186.0000°
ISC II 01 08 15 03.9–.89 35.20N–.05 141.37E–.07 27 3.5b 21 1-79
IDC II 01 08 15 00.5–.92 35.25N 141.37E 0 3.8,3.7 **¶12699316**
ISCJB II 01 08 15 02.4–.72 35.17N–.04 141.43E–.07 27 3.6b,3.7
JMA II 01 08 15 03.2–.20 35.19N 141.36E 36–3 2.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=20.4km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.6km az=20.7.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

JMA II 01 10 23 05.2–.10 36.77N 141.30E 36–2 1.3
¶13434133
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC II 01 20 45 15.3–1.1 38.92N–.05 141.76E–.08 70–7 3.7b 31 0-59
ISCJB II 01 20 45 14.7–.72 38.93N–.04 141.72E–.08 76–4 3.6b **¶12699360**
IDC II 01 20 45 16.2–2.9 38.99N 141.87E 82–24 3.4,3.3
JMA II 01 20 45 16.0 38.94N 141.67E 69–1 3.5,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=5.5km az=20.0.
IDC Error ellipse: s-maj=41.1km s-min=21.3km az=83.0.
JMA Event type fe.
ISC II 06 16 54 28.3–3.6 35.57N–.05 141.82E–.07 17–22 3.8b 40 1-80
NIED II 06 16 54 00 35.50N 142.00E 20 4.1W **¶12699683**
ISCJB II 06 16 54 24.9–1.7 35.54N–.04 142.02E–.05 12–11 3.7b
IDC II 06 16 54 25.4–.91 35.50N 141.91E 0 3.8,3.7
JMA II 06 16 54 26.9–.20 35.55N 141.96E 40–4 3.7,3.7
MOS II 06 16 54 27.7–1.2 35.56N 141.91E 30 4.1b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ50.00000°,λ101.00000°. NP2:ϕ_s178.00000°,δ41.00000°,λ77.00000°. $M_0$1.45000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.8km az=39.5.
IDC Error ellipse: s-maj=22.9km s-min=18.2km az=72.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=23.8km s-min=13.7km az=113.3.
JMA II 07 03 40 25.7–.10 36.77N 141.25E 50–2 2.0
¶15539482
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC II 11 10 07 17.8–.50 37.09N–.04 141.22E–.05 50–3 4.1b 118 0-90
MOS II 11 10 07 14.6–1.4 37.19N 141.27E 33 4.3b **¶13434459**
ISCJB II 11 10 07 16.3–.61 37.08N–.04 141.24E–.07 56–3 4.0b
IDC II 11 10 07 18.2–.59 37.11N 141.03E 49–4 3.8,3.8
NEIC II 11 10 07 18.6–.58 37.21N 141.12E 50 4.1b,3.8
JMA II 11 10 07 18.1–.10 37.10N 141.12E 51–1 4.1,3.8
ISC Event type se.
MOS Error ellipse: s-maj=12.0km s-min=11.0km az=42.8.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.0km az=21.7.
IDC Error ellipse: s-maj=15.9km s-min=9.8km az=108.0.
NEIC Event type fe. Error ellipse: s-maj=13.1km s-min=7.2km az=147.0. Recorded [2 JMA] in Fukushima and [1 JMA] in Ibaraki, Miyagi and Tochigi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s38.00000°,δ76.00000°,λ93.00000°. NP2: ϕ_s207.00000°,δ14.00000°,λ79.00000°. Principal axes: T Plg59.0000°,Azm312.0000° ; N Plg3.0000°,Azm218.0000°; P Plg31.0000°,Azm126.0000°
ISC II 12 16 00 10.0–1.2 38.80N–.04 141.74E–.08 77–7 34 0-67
ISCJB II 12 16 00 10.1–.73 38.79N–.03 141.66E–.08 77–5 3.9b **¶12700312**
IDC II 12 16 00 11.7–3.6 39.42N 140.33E 0 4.0b,3.6
JMA II 12 16 00 11.1 38.79N 141.58E 75–1 3.4,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=4.9km az=15.2.
IDC Error ellipse: s-maj=73.5km s-min=31.0km az=110.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s202.00000°,δ73.00000°,λ82.00000°. NP2:ϕ_s49.00000°,δ19.00000°,λ116.00000°. Principal axes: T Plg61.0000°,Azm100.0000°; N Plg8.0000°,Azm205.0000°; P Plg28.0000° ,Azm299.0000°
ISC II 15 06 03 36.3–1.1 35.68N–.05 140.91E–.08 27–6 3.5b 22 0-59
IDC II 15 06 03 32.7–2.0 35.59N 141.07E 0 3.6b,3.5 **¶12700763**
ISCJB II 15 06 03 35.6–1.2 35.68N–.04 140.9E–.10 31–5 3.5b,3.5
JMA II 15 06 03 36.6–.10 35.68N 140.83E 27–1 3.0,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=46.5km s-min=19.8km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=5.6km az=171.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC II 15 09 24 33.0–.23 40.26N–.02 142.31E–.02 45–1 6.1b,5.6s 2163 0-162
NIED II 15 09 24 00 40.30N 142.50E 44 5.7W,5.6s **¶13434657**
MOS II 15 09 24 30.7–.86 40.36N 142.28E 33 6.4b,5.5s
BJI II 15 09 24 31.5 40.12N 142.21E 51 5.9b,5.9b
NEIC II 15 09 24 31.7–.08 40.24N 142.24E 33 6.1b,5.8
JMA II 15 09 24 32.2–.10 40.25N 142.42E 36–1 5.9,5.8
ISCJB II 15 09 24 33.2–.23 40.28N–.02 142.27E–.02 56–2 6.0b,5.6s
SZGRF II 15 09 24 33.9 40.92N 143.45E 45 6.2b,5.4s
IDC II 15 09 24 33.4–.36 40.26N 142.29E 46–3 5.6,5.6
TEH II 15 09 24 34.0 40.27N 142.23E 47 5.9L,5.6
BGS II 15 09 24 34.3–1.4 40.41N 141.00E 33 6.0b,5.4s
DJA II 15 09 24 48 40.04N 141.56E 146 5.7W,5.4s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ72.00000°,λ92.00000°. NP2:ϕ_s198.00000°,δ18.00000°,λ85.00000°. $M_0$4.06000×10^{17}
MOS Error ellipse: s-maj=5.9km s-min=3.7km az=104.2.
NEIC Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=148.0. Felt [IV] at Misawa and [III] at Aomori. Also felt at Akita, Furukawa, Goshogawara, Hachinohe, Iwate, Mitsuke and Sendai. Felt at Hakodate, Obihiro and Sapporo, Hokkaido. Recorded [4 JMA] in Aomori; [3 JMA] in Akita, Iwate and Miyagi; [2 JMA] in Fukushima and Yamagata; [1 JMA] in Chiba and Saitama. Also recorded [3 JMA] in southwestern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}2.01 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-2.48 $M_{\theta\phi}$1.57 $M_{r\theta}$-0.78 $M_{\phi r}$2.18 Best double couple: NP1:ϕ_s32.00000°,δ71.00000°,λ106.00000°. NP2: ϕ_s171.00000°,δ25.00000°,λ52.00000°. Principal axes: T 3.4000,Plg61.0000°,Azm325.0000° ; N 0.3900,Plg14.0000°,Azm206.0000°; P -3.7900,Plg23.0000°,Azm109.0000° $M_0$3.60000×10^{17} Moment Tensor Solution. $M_0$4.10000×10^{17}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s42.00000°,δ62.00000°,λ104.00000°. NP2:ϕ_s195.00000°,δ31.00000°,λ66.00000°. Principal axes: T Plg70.0000°,Azm341.0000°; N Plg12.0000°,Azm215.0000°; P Plg16.0000° ,Azm122.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=168.6.
SZGRF Off east coast of Honshu, Japan.
IDC Error ellipse: s-maj=10.2km s-min=7.7km az=103.0.
BGS Error ellipse: s-maj=187.8km s-min=426.0km az=-1.0.
ISC II 15 15 46 14.5–.85 40.32N–.04 141.95E–.08 72–7 3.6b 34 0-75
NIED II 15 15 46 00 40.30N 142.00E 62 4.2W **¶12700811**
ISCJB II 15 15 46 13.4–.53 40.33N–.03 141.97E–.09 77–4 3.5b
JMA II 15 15 46 14.5–.10 40.31N 141.96E 72–1 3.7
IDC II 15 15 46 15.5–2.1 40.44N 141.81E 75–19 3.8s,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ77.00000°,λ93.00000°. NP2:ϕ_s360.00000°,δ14.00000°,λ77.00000°. $M_0$2.26000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.7km az=3.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=20.6km s-min=12.8km az=112.0.
ISC II 15 20 21 11.9–3.6 37.00N–.04 141.97E–.08 12–24 3.4b 25 1-57
NIED II 15 20 21 00 37.00N 141.90E 26 3.5W **¶12700829**
ISCJB II 15 20 21 11.9–1.3 36.99N–.04 141.99E–.07 15–7 3.3b
JMA II 15 20 21 14.4–.20 36.98N 141.86E 46–4 3.6
IDC II 15 20 21 20.0–8.1 36.84N 141.58E 58–57 3.4,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ64.00000°,λ77.00000°. NP2: ϕ_s210.00000°,δ29.00000°,λ115.00000°. $M_0$2.01000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.6km az=1.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=87.2km s-min=18.5km az=74.0.
ISC II 15 22 39 05.0–.96 38.19N–.05 141.69E–.08 57–7 3.8b 33 0-74
NIED II 15 22 39 00 38.20N 141.70E 68 4.4W **¶12700838**
ISCJB II 15 22 39 03.0–.86 38.17N–.04 141.73E–.09 55–6 3.6b
JMA II 15 22 39 03.9–.10 38.18N 141.69E 50–1 4.0
IDC II 15 22 39 06.2–1.7 38.12N 141.68E 71–8 3.5,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ84.00000°,λ-124.00000°. NP2:ϕ_s76.00000°,δ34.00000°,λ-11.00000°. $M_0$4.51000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=5.5km az=19.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=44.2km s-min=17.5km az=74.0.
ISC II 16 01 35 07.4–1.4 35.19N–.05 140.88E–.08 49–10 18 0-55

IDC II 16 01 35 01.8–2.4 34.98N 141.42E 0 3.5,3.3 ¶12700856
ISCJB II 16 01 35 06.3–1.0 35.19N–.05 140.88E–.09 57–7 3.3b,3.3
JMA II 16 01 35 06.7–.20 35.17N 140.91E 50–3 2.8,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=50.1km s-min=25.5km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=7.5km az=151.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC II 16 19 54 27.5–.48 35.16N–.04 140.09E–.03 30–3 4.8b,4.1s 551 0-152
NIED II 16 19 54 00 35.30N 140.30E 20 4.5W,4.1s ¶13434682
BJI II 16 19 54 23.1 35.12N 140.50E 33 4.9b,4.6s
NEIC II 16 19 54 25.9–2.0 35.14N 140.00E 18–12 4.9b,4.5W
MOS II 16 19 54 26.8–1.1 35.23N 140.09E 33 4.9b,4.0s
ISCJB II 16 19 54 27.1–.44 35.17N–.03 139.96E–.02 31–3 4.7b,4.1s
JMA II 16 19 54 28.0–.10 35.28N 140.23E 31–1 4.6,4.1s
IDC II 16 19 54 30.1–1.1 35.07N 140.10E 53–10 4.4,4.3
SZGRF II 16 19 54 34.2 34.57N 138.20E 56 4.9b,4.3
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ73.00000°,λ-80.00000°. NP2:ϕ_s11.00000°,δ20.00000°,λ-119.00000°. $M_0$6.74000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=4.2km az=151.0. Felt at Ebina, Narashino, Yokohama, Yokosuka and Zushi. Recorded [4 JMA] in Chiba; [2 JMA] in Kanagawa, Saitama, Shizuoka and Tokyo; [1 JMA] in Ibaraki, Tochigi and Yamanashi. Also recorded [2 JMA] on O-shima and [1 JMA] on Miyake-jima and To-shima. Moment Tensor Solution. $M_0$6.70000×10^{15}
MOS Error ellipse: s-maj=8.6km s-min=4.7km az=111.1.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.3km az=176.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000°,δ55.00000°,λ-113.00000°. NP2: ϕ_s218.00000°,δ41.00000°,λ-61.00000°. Principal axes: T Plg7.0000°,Azm108.0000° ; N Plg19.0000°,Azm16.0000°; P Plg70.0000°,Azm217.0000°
IDC Error ellipse: s-maj=12.4km s-min=5.9km az=74.0.
SZGRF Near south coast of eastern Honshu, Japan.
ISC II 17 00 12 57.3–.26 37.55N–.03 141.35E–.03 52–1 5.0b,4.4s 1117 0-157
DJA II 17 00 12 51 37.78N 141.77E 10 5.2b,4.4s ¶13434695
MOS II 17 00 12 54.5–.84 37.56N 141.31E 38 5.3b,4.3s
BJI II 17 00 12 55.7 37.49N 141.37E 63 5.1b,5.0b
JMA II 17 00 12 56.7–.10 37.52N 141.46E 48–1 4.9,5.0b
IDC II 17 00 12 57.3–.30 37.53N 141.31E 50–2 4.6,4.6
SZGRF II 17 00 12 57.7 37.69N 142.68E 72 5.1b,4.6
NEIC II 17 00 12 57.8–.40 37.53N 141.25E 54–3 5.0b,4.9W
ISCJB II 17 00 12 57.4–.28 37.58N–.02 141.25E–.02 60–2 5.0b,4.4s
TEH II 17 00 12 58.0 37.55N 141.22E 53 5.0L,4.4s
NIED II 17 00 13 00 37.50N 141.50E 53 4.9W,4.4s
ISC Event type fe.
MOS Error ellipse: s-maj=7.7km s-min=4.1km az=107.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s35.00000°,δ66.00000°,λ94.00000°. NP2:ϕ_s205.00000°,δ24.00000°,λ81.00000°. Principal axes: T Plg69.0000°,Azm313.0000°; N Plg4.0000°,Azm213.0000°; P Plg21.0000° ,Azm122.0000°
IDC Error ellipse: s-maj=10.0km s-min=7.0km az=103.0.
SZGRF Off east coast of Honshu, Japan.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.8km az=153.0. Felt [III] at Zushi and [II] at Tokyo. Also felt at Daigo, Kakamigahara, Kyoto, Nagoya, Osaka, Sendai, Utsunomiya, Yokohama and Yokosuka. Recorded [4 JMA] in Fukushima; [3 JMA] in Miyagi; [2 JMA] in Ibaraki, Iwate and Tochigi; [1 JMA] in Gumma, Saitama, Tokyo and Yamagata. Moment Tensor Solution. $M_0$2.40000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=162.9.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ71.00000°,λ87.00000°. NP2:ϕ_s209.00000°,δ20.00000°,λ99.00000°. $M_0$2.38000×10^{16}
ISC II 17 08 33 29.6–1.1 40.73N–.04 142.50E–.06 64–11 3.6b 29 1-66
NIED II 17 08 33 00 40.70N 142.60E 71 3.7W ¶12700987
ISCJB II 17 08 33 28.7–.55 40.72N–.03 142.50E–.07 74–5 3.5b
JMA II 17 08 33 29.2–.10 40.73N 142.59E 50–4 3.9
IDC II 17 08 33 30.0–2.3 40.74N 142.72E 79–24 3.4,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s326.00000°,δ82.00000°,λ67.00000°. NP2:ϕ_s218.00000°,δ25.00000°,λ161.00000°. $M_0$3.80000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.4km az=20.6.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=38.7km s-min=16.4km az=86.0.
ISC II 18 12 45 26.9–1.0 38.26N–.04 141.99E–.08 42–9 3.8b 36 1-89
NIED II 18 12 45 00 38.30N 141.90E 62 3.8W ¶12701135
ISCJB II 18 12 45 26.5–.92 38.27N–.04 141.94E–.09 55–7 3.8b
IDC II 18 12 45 27.3–1.7 38.31N 141.93E 45–9 3.7,3.7
JMA II 18 12 45 28.1–.10 38.29N 141.86E 47–1 4.1,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ70.00000°,λ106.00000°. NP2:ϕ_s153.00000°,δ25.00000°,λ53.00000°. $M_0$5.17000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=5.4km az=14.9.
IDC Error ellipse: s-maj=45.1km s-min=16.1km az=72.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC II 18 21 04 44.8–.87 36.37N–.05 140.55E–.06 66–7 3.8b 31 0-65
NIED II 18 21 04 00 36.40N 140.60E 68 3.8W ¶11687959
ISCJB II 18 21 04 43.6–.55 36.35N–.04 140.59E–.06 74–4 3.7b
IDC II 18 21 04 44.9–2.2 36.39N 140.38E 64–21 3.6,3.5
JMA II 18 21 04 45.2–.10 36.36N 140.55E 62–1 3.8,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s194.00000°,δ69.00000°,λ84.00000°. NP2:ϕ_s32.00000°,δ22.00000°,λ107.00000°. $M_0$5.81000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=6.1km az=22.7.
IDC Error ellipse: s-maj=21.3km s-min=9.5km az=61.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s185.00000°,δ83.00000°,λ79.00000°. NP2:ϕ_s63.00000°,δ13.00000°,λ148.00000°. Principal axes: T Plg51.0000°,Azm82.0000°; N Plg11.0000°,Azm186.0000°; P Plg37.0000° ,Azm285.0000°
ISC II 19 14 26 50.5–1.0 35.18N–.04 140.15E–.04 34–2 3.5b 25 0-59
IDC II 19 14 26 46.7–7.7 34.99N 139.94E 0 3.5,3.4b ¶12701253
ISCJB II 19 14 26 49.5–.51 35.19N–.04 140.16E–.04 39–5 3.4b,3.4b
JMA II 19 14 26 49.4–.10 35.27N 140.19E 36–1 3.1,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=280.4km s-min=20.6km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.8km az=32.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC II 20 09 17 20.3–.74 35.97N–.05 140.19E–.05 70–6 4.3b 92 0-148
NIED II 20 09 17 00 36.00N 140.10E 74 4.2W ¶11713216
ISCJB II 20 09 17 19.1–.42 35.95N–.04 140.20E–.06 76–3 4.3b
NEIC II 20 09 17 20.2–.75 35.91N 140.18E 70–6 4.6b,4.1W
JMA II 20 09 17 21.0–.10 35.99N 140.09E 64–1 4.4,4.1W
IDC II 20 09 17 22.2–1.2 35.85N 140.05E 88–10 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ70.00000°,λ91.00000°. NP2: ϕ_s180.00000°,δ20.00000°,λ87.00000°. $M_0$2.10000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=5.5km az=157.9.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=6.8km az=74.0. Recorded [3 JMA] in Ibaraki and Tochigi; [2 JMA] in Chiba, Gumma, Saitama and Tokyo; [1 JMA] in Fukushima and Kanagawa. Moment Tensor Solution. $M_0$2.10000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s2.00000°,δ63.00000°,λ87.00000°. NP2: ϕ_s189.00000°,δ27.00000°,λ96.00000°. Principal axes: T Plg72.0000°,Azm264.0000° ; N Plg3.0000°,Azm3.0000°; P Plg18.0000°,Azm94.0000°
IDC Error ellipse: s-maj=15.4km s-min=6.9km az=66.0.
ISC II 20 22 29 07.4–2.2 38.91N–.07 142.1E–.10 42–14 3.7b 22 0-50
NIED II 20 22 29 00 38.90N 142.10E 89 4.3W ¶12701375
IDC II 20 22 29 01.1–6.7 39.19N 142.45E 0 3.8b,3.7
ISCJB II 20 22 29 06.9–1.3 38.91N–.05 142.1E–.10 52–7 3.7b,3.7
JMA II 20 22 29 07.2–.10 38.91N 142.13E 44–1 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ72.00000°,λ135.00000°. NP2:ϕ_s120.00000°,δ47.00000°,λ25.00000°. $M_0$3.69000×10^{15}
IDC Error ellipse: s-maj=122.1km s-min=45.7km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=18.6km s-min=7.2km az=18.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC II 21 04 30 34.1–.99 40.91N–.04 142.03E–.05 54–9 4.1b 43 1-78
IDC II 21 04 30 21.6–6.0 40.32N 142.51E 0 4.0b,3.9 ¶12701397
ISCJB II 21 04 30 33.3–.47 40.92N–.03 142.03E–.06 63–4 4.0b,3.9
JMA II 21 04 30 33.3–.10 40.90N 142.13E 51–3 3.6,3.9
NEIC II 21 04 30 37.0–1.8 41.18N 142.04E 72–13 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=119.8km s-min=49.5km az=140.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=4.7km az=30.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=15.4km az=166.0.
ISC II 21 09 22 47.0–1.2 36.22N–.03 140.98E–.06 31–9 3.6b 21 1-60
NIED II 21 09 22 00 36.20N 141.00E 44 3.6W ¶12701415
ISCJB II 21 09 22 46.7–.68 36.20N–.03 140.96E–.07 45–9 3.6b
IDC II 21 09 22 48.0–1.2 35.49N 140.32E 0 3.7,3.5
JMA II 21 09 22 47.2–.10 36.18N 140.93E 43–1 3.5,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s158.00000°,δ89.00000°,λ-70.00000°. NP2:ϕ_s251.00000°,δ20.00000°,λ-177.00000°. $M_0$2.84000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.2km az=179.9.
IDC Error ellipse: s-maj=26.1km s-min=15.3km az=50.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s339.00000°,δ80.00000°,λ78.00000°. NP2:ϕ_s208.00000°,δ15.00000°,λ138.00000°. Principal axes: T Plg54.0000°,Azm235.0000°; N Plg11.0000°,Azm341.0000°; P Plg34.0000° ,Azm79.0000°
ISC II 23 07 35 41.1–2.4 36.62N–.04 141.59E–.06 16–14 3.4b 30 1-64
NIED II 23 07 35 00 36.60N 141.50E 35 3.7W ¶12701619
ISCJB II 23 07 35 41.0–1.1 36.59N–.04 141.60E–.06 26–6 3.3b
JMA II 23 07 35 43.1–.10 36.63N 141.45E 50–3 3.6
IDC II 23 07 35 45.4–3.5 36.46N 141.58E 51–32 3.8L,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ87.00000°,λ105.00000°. NP2:ϕ_s99.00000°,δ15.00000°,λ10.00000°. $M_0$3.81000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.7km az=14.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=27.8km s-min=13.3km az=66.0.
ISC II 25 20 52 44.7–.64 36.40N–.04 141.08E–.06 43–6 4.0b 46 0-78
NIED II 25 20 52 00 36.40N 141.00E 44 3.9W ¶12701860
ISCJB II 25 20 52 42.9–.76 36.42N–.03 141.10E–.06 41–7 3.9b
JMA II 25 20 52 43.7–.10 36.41N 141.01E 47–1 4.2
IDC II 25 20 52 45.8–.57 36.35N 140.98E 53–4 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ54.00000°,λ92.00000°. NP2:ϕ_s218.00000°,δ36.00000°,λ87.00000°. $M_0$9.05000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=5.0km az=22.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s54.00000°,δ78.00000°,λ95.00000°. NP2:ϕ_s211.00000°,δ13.00000°,λ67.00000°. Principal axes: T Plg57.0000°,Azm331.0000°; N Plg5.0000°,Azm233.0000°; P Plg33.0000° ,Azm140.0000°
IDC Error ellipse: s-maj=16.3km s-min=9.4km az=100.0.
ISC II 27 04 47 12.7–2.4 36.76N–.08 141.6E–.10 33 20 1-44
JMA II 27 04 47 13.5–.20 36.75N 141.38E 49–2 3.3 ¶12701974
IDC II 27 04 47 13.4–7.7 36.18N 141.67E 54–46 3.2,3.2
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=84.6km s-min=42.5km az=163.0.
ISC II 27 09 23 44.0–2.0 37.34N–.06 141.4E–.10 48–15 19 0-3
NIED II 27 09 23 00 37.40N 141.30E 62 3.3W ¶14157290
ISCJB II 27 09 23 44.2–1.2 37.35N–.05 141.30E–.09 52–9 3.3W
JMA II 27 09 23 44.6–.10 37.35N 141.26E 54–1 3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s140.00000°,δ60.00000°,λ126.00000°. NP2:ϕ_s265.00000°,δ46.00000°,λ45.00000°. $M_0$1.04000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=6.9km az=21.3.
JMA Event type fe.
ISC II 27 17 30 11.7–.69 36.43N–.06 140.66E–.07 53–5 4.0b,3.3s 41 0-152
NIED II 27 17 30 00 36.50N 140.60E 59 4.2W,3.3s ¶12702027
ISCJB II 27 17 30 10.3–.63 36.37N–.06 140.77E–.07 59–4 4.0b,3.3s
IDC II 27 17 30 11.6–1.8 36.44N 140.59E 49–16 3.9,3.8
JMA II 27 17 30 12.6–.10 36.45N 140.59E 55–1 4.2,3.8
BJI II 27 17 30 15.8 36.90N 140.10E 70 4.8b,4.6s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ69.00000°,λ95.00000°. NP2:ϕ_s194.00000°,δ22.00000°,λ77.00000°. $M_0$2.56000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=7.2km az=43.7.
IDC Error ellipse: s-maj=17.2km s-min=13.0km az=101.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s13.00000°,δ63.00000°,λ87.00000°. NP2:ϕ_s200.00000°,δ27.00000°,λ96.00000°. Principal axes: T Plg72.0000°,Azm275.0000°; N Plg3.0000°,Azm14.0000°; P Plg18.0000° ,Azm105.0000°
ISC II 27 21 51 52.0–1.3 38.62N–.05 141.54E–.08 74–8 31 0-46
IDC II 27 21 51 50.2–14 38.70N 141.90E 82–68 3.7,3.7s ¶12702053
ISCJB II 27 21 51 51.2–.80 38.62N–.04 141.51E–.08 77–5 3.3b,3.7s
JMA II 27 21 51 52.0 38.62N 141.46E 73–1 3.1,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=172.6km s-min=48.3km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.5km az=16.4.
JMA Event type fe.
ISC II 28 05 09 26.2–2.1 36.40N–.05 141.7E–.10 47–49 3.4b 18 1-47
IDC II 28 05 09 20.7–3.2 36.36N 142.03E 0 3.7,3.7 ¶12702077
JMA II 28 05 09 25.3–.20 36.41N 141.68E 69–4 3.2,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=53.4km s-min=37.0km az=104.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC II 28 15 37 44.0–2.3 37.09N–.06 141.83E–.09 2–12 3.2b 23 1-46
IDC II 28 15 37 37.6–6.9 36.55N 142.47E 0 3.5,3.5s ¶12702117
JMA II 28 15 37 46.6–.20 37.02N 141.77E 47–3 2.9,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=134.0km s-min=50.1km az=156.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC III 01 04 34 46.3–.83 38.53N–.05 142.19E–.08 79–6 3.6b 47 1-89
NIED III 01 04 34 00 38.50N 142.10E 47 3.7W ¶12702161
ISCJB III 01 04 34 45.2–.72 38.53N–.04 142.18E–.08 83–5 3.5b
JMA III 01 04 34 46.9–.10 38.53N 142.07E 79–1 3.7
IDC III 01 04 34 46.4–.93 38.56N 142.25E 80–7 3.7s,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ84.00000°,λ-51.00000°. NP2:ϕ_s320.00000°,δ39.00000°,λ-170.00000°. $M_0$4.13000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=5.2km az=20.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=13.1km az=95.0.
ISC III 02 19 42 43.5–.93 38.67N–.04 141.24E–.08 96–6 3.7b 35 0-67
ISCJB III 02 19 42 42.6–.60 38.67N–.04 141.26E–.09 103–3 3.6b ¶12702293
IDC III 02 19 42 43.6–2.3 38.67N 141.29E 100–19 3.4b,3.4
JMA III 02 19 42 44.3 38.68N 141.17E 93–1 3.4,3.4
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.3km az=18.8.
IDC Error ellipse: s-maj=36.2km s-min=17.2km az=83.0.
JMA Event type fe.
JMA III 03 18 20 52.5–.20 38.66N 142.88E 30–4 1.8 ¶15548412
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC III 04 10 04 31.2–.43 35.86N–.04 140.95E–.04 34–1 4.7b,3.9s 265 0-145
NIED III 04 10 04 00 35.90N 140.90E 47 4.6W,3.9s ¶11752732
BJI III 04 10 04 28.9 35.88N 140.97E 44 4.9b,4.6b
MOS III 04 10 04 29.0–.92 35.87N 140.99E 33 4.8b,4.6b
ISCJB III 04 10 04 30.6–.41 35.90N–.03 140.94E–.04 44–3 4.6b,3.9s
NEIC III 04 10 04 31.3–.24 35.81N 140.90E 35 4.8b,4.5W
JMA III 04 10 04 32.0–.10 35.89N 140.85E 39–1 4.2,4.5W
IDC III 04 10 04 34.3–1.5 35.81N 140.77E 60–14 4.2,4.1
ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ71.00000°,λ87.00000°. NP2:ϕ_s208.00000°,δ19.00000°,λ100.00000°. $M_0$7.62000×10^{15}
MOS Error ellipse: s-maj=8.7km s-min=5.3km az=117.5.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.7km az=163.1.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.7km az=137.0. Felt at Kashima and Tsukuba. Recorded [2 JMA] in Chiba and Ibaraki; [1 JMA] in Fukushima and Tochigi. Moment Tensor Solution. $M_0$7.60000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s44.00000°,δ69.00000°,λ92.00000°. NP2: ϕ_s218.00000°,δ21.00000°,λ85.00000°. Principal axes: T Plg66.0000°,Azm317.0000° ; N Plg2.0000°,Azm223.0000°; P Plg24.0000°,Azm132.0000°
IDC Error ellipse: s-maj=12.7km s-min=8.7km az=86.0.

ISC	**III**	**04 10 10 44.9–.81**	**35.92N–.04**	**140.98E–.08**	**31**	**3.7b**	**22**	**0-65**	
IDC	III	04 10 10 40.1–.96	35.81N	140.97E	0	3.7,3.6b			¶12702412
ISCJB	III	04 10 10 42.9–.64	35.93N–.04	141.08E–.06	31	3.6b,3.6b			
JMA	III	04 10 10 45.9–.10	35.89N	140.86E	39–1	3.2,3.6b			

ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=17.2km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.3km az=164.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**III**	**05 10 08 37.4–1.9**	**36.52N–.04**	**141.48E–.06**	**11–11**	**3.7b,3.5s**	**29**	**1-82**	
IDC	III	05 10 08 36.0–.96	36.48N	141.58E	0	3.8,3.7			¶12702487
JMA	III	05 10 08 41.2–.10	36.57N	141.35E	46–2	3.4,3.7			

ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=18.6km az=106.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**III**	**08 13 34 21.5–.80**	**38.29N–.04**	**141.04E–.06**	**88–6**	**3.9b**	**41**	**0-73**	
NIED	III	08 13 34 00	38.30N	141.00E	89	3.8W			¶12702719
ISCJB	III	08 13 34 20.7–.44	38.32N–.03	141.05E–.06	97–3	3.8b			
IDC	III	08 13 34 22.3–1.6	38.33N	140.99E	96–15	3.6,3.6			
JMA	III	08 13 34 22.2	38.31N	140.99E	86–1	3.8,3.6			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s325.00000°,δ69.00000°,λ-62.00000°. NP2:ϕ_s89.00000°,δ34.00000°,λ-141.00000°. $M_0$5.52000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.9km az=21.9.
IDC Error ellipse: s-maj=21.6km s-min=11.6km az=93.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s324.00000°,δ70.00000°,λ-52.00000°. NP2:ϕ_s77.00000°,δ42.00000°,λ-150.00000°. Principal axes: T Plg17.0000°,Azm27.0000°; N Plg35.0000°,Azm129.0000°; P Plg50.0000° ,Azm276.0000°

ISC	**III**	**08 21 35 41.6–1.7**	**40.29N–.05**	**142.49E–.09**	**28–12**	**3.4b**	**23**	**1-49**	
JMA	III	08 21 35 42.6–.10	40.24N	142.45E	35–1	3.2			¶12702757
IDC	III	08 21 35 44.4–4.8	40.24N	142.57E	61–25	3.3b,3.2			

ISC Event type ke.
IDC Error ellipse: s-maj=78.8km s-min=31.1km az=111.0.

ISC	**III**	**10 02 26 00.3–1.3**	**35.41N–.05**	**141.09E–.08**	**30–10**		**21**	**0-55**	
ISCJB	III	10 02 25 59.6–1.1	35.42N–.04	141.20E–.09	28–6	3.5b			¶12702838
JMA	III	10 02 26 00.1–.10	35.45N	141.15E	32–2	3.1			
IDC	III	10 02 26 05.5–2.8	35.35N	140.75E	90–33	3.4,3.2			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=6.5km az=3.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=58.4km s-min=16.3km az=90.0.

ISC	**III**	**11 22 38 52.7–.95**	**36.33N–.05**	**140.03E–.06**	**98–7**	**3.7b**	**26**	**0-56**	
IDC	III	11 22 38 37.3–2.0	36.80N	141.25E	0	3.8,3.8			¶12703021
ISCJB	III	11 22 38 52.2–.62	36.38N–.05	139.98E–.06	101–4	3.6b,3.8			
JMA	III	11 22 38 54.0–.10	36.41N	139.93E	87–1	3.4,3.8			

ISC Event type ke.
IDC Error ellipse: s-maj=47.5km s-min=22.5km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=6.4km az=37.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s335.00000°,δ57.00000°,λ-72.00000°. NP2: ϕ_s124.00000°,δ37.00000°,λ-115.00000°. Principal axes: T Plg10.0000°,Azm52.0000° ; N Plg15.0000°,Azm145.0000°; P Plg72.0000°,Azm289.0000°

ISC	**III**	**14 01 29 51.2–.85**	**35.89N–.05**	**140.16E–.06**	**70–7**	**3.6b**	**26**	**0-69**	
ISCJB	III	14 01 29 49.8–.59	35.89N–.05	140.19E–.07	75–4	3.5b			¶12703209
JMA	III	14 01 29 51.4–.10	35.92N	140.13E	62–1	3.0			
IDC	III	14 01 29 52.7–2.8	35.84N	140.08E	86–22	3.5s,3.5			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=7.0km az=147.3.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=30.8km s-min=19.3km az=76.0.

ISC	**III**	**15 00 13 39.2–2.0**	**36.49N–.05**	**141.56E–.10**	**5–12**	**3.4b**	**22**	**1-46**	
IDC	III	15 00 13 29.3–10	35.40N	142.32E	0	3.4b,3.3			¶12703305
ISCJB	III	15 00 13 39.8–1.4	36.49N–.04	141.64E–.09	20–7	3.3b,3.3			
JMA	III	15 00 13 40.9–.20	36.44N	141.51E	54–4	3.0,3.3			

ISC Event type ke.
IDC Error ellipse: s-maj=251.8km s-min=90.5km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=6.9km az=179.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

ISC	**III**	**15 00 18 54.5–1.4**	**40.27N–.04**	**142.32E–.09**	**46–12**	**3.7b**	**29**	**0-71**	
JMA	III	15 00 18 52.1–.10	40.26N	142.49E	34–1	3.7			¶12703307
ISCJB	III	15 00 18 53.0–.93	40.26N–.04	142.4E–.10	54–7	3.7b,3.1s			
IDC	III	15 00 18 56.5–2.4	40.28N	142.31E	70–20	3.5,3.4			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=6.3km az=6.2.
IDC Error ellipse: s-maj=35.8km s-min=15.3km az=98.0.

ISC	**III**	**17 00 40 05.6–.34**	**38.02N–.04**	**142.47E–.04**	**35–1**	**4.6b,3.9s**	**368**	**1-154**	
NIED	III	17 00 40 00	38.00N	142.70E	26	4.4W,3.9s			¶11938387
JMA	III	17 00 40 01.9–.10	38.01N	142.63E	34–2	4.6,3.9s			
ISCJB	III	17 00 40 01.2–.91	37.98N–.03	142.58E–.04	16–5	4.6b,3.9s			
BJI	III	17 00 40 03.6	38.00N	142.48E	38	4.8b,4.7b			
MOS	III	17 00 40 04.0–.94	38.02N	142.50E	33	4.8b,4.7b			
SZGRF	III	17 00 40 04.6	37.01N	143.18E	59	4.7b,4.7b			
IDC	III	17 00 40 05.5–.36	38.00N	142.53E	33–2	4.4,4.4			
NEIC	III	17 00 40 05.3–.19	38.01N	142.57E	33	4.9b,4.4W			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ50.00000°,λ66.00000°. NP2: ϕ_s222.00000°,δ46.00000°,λ116.00000°. $M_0$4.96000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=136.5.
MOS Error ellipse: s-maj=8.4km s-min=5.2km az=114.8.
SZGRF Off east coast of Honshu, Japan.
IDC Error ellipse: s-maj=12.1km s-min=8.6km az=116.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=130.0. Recorded [1 JMA] in Fukushima, Iwate and Miyagi. Moment Tensor Solution. $M_0$5.00000×10^{15}

ISC	**III**	**18 03 09 03.9–2.3**	**37.06N–.08**	**141.99E–.09**	**5–13**		**16**	**1-57**	
IDC	III	18 03 09 02.7–2.6	37.06N	142.17E	0	3.5L,3.4			¶12703557
ISCJB	III	18 03 09 04.2–2.2	37.01N–.07	142.03E–.10	15–17	3.1b,3.4			
JMA	III	18 03 09 05.8–.20	36.93N	141.91E	28–3	3.1,3.4			

ISC Event type ke.
IDC Error ellipse: s-maj=51.9km s-min=31.8km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=11.0km az=139.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**III**	**23 05 36 57.0–3.8**	**36.10N–.05**	**141.70E–.09**	**1–25**	**3.2b**	**21**	**1-56**	
JMA	III	23 05 36 58.3–.20	36.09N	141.91E	67–3	3.0			¶15555559
IDC	III	23 05 37 10.5–1.6	34.52N	137.93E	0	3.4,3.3b			

ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=40.7km s-min=25.5km az=78.0.

ISC	**III**	**23 19 53 36.8–1.8**	**37.22N–.04**	**141.92E–.05**	**12–11**	**3.7b**	**54**	**1-77**	
NIED	III	23 19 53 00	37.30N	141.90E	35	3.9W			¶12635411
IDC	III	23 19 53 34.9–.72	37.15N	141.96E	0	3.9,3.9L			
ISCJB	III	23 19 53 36.8–1.1	37.18N–.03	141.96E–.05	27–7	3.6b,3.9L			
NEIC	III	23 19 53 39.4–3.7	37.15N	142.01E	32–28	4.2b,3.9L			
JMA	III	23 19 53 39.0–.20	37.25N	141.85E	39–4	4.2,3.9L			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ85.00000°,λ-66.00000°. NP2:ϕ_s229.00000°,δ25.00000°,λ-167.00000°. $M_0$9.16000×10^{14}
IDC Error ellipse: s-maj=21.0km s-min=14.2km az=109.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.3km az=9.6.
NEIC Event type fe. Error ellipse: s-maj=15.7km s-min=10.7km az=103.0. Recorded [1 JMA] in Fukushima and Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**III**	**24 06 17 36.9–1.0**	**39.63N–.04**	**142.15E–.09**	**48–8**	**3.7b**	**35**	**0-75**	
NIED	III	24 06 17 00	39.60N	142.10E	68	4.1W			¶12635449
ISCJB	III	24 06 17 36.1–.75	39.63N–.04	142.2E–.10	55–5	3.9s,3.7b			
JMA	III	24 06 17 37.3	39.63N	142.11E	48–1	3.8,3.7b			
IDC	III	24 06 17 42.0–1.9	39.57N	141.97E	96–16	3.6,3.5			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ73.00000°,λ100.00000°. NP2:ϕ_s185.00000°,δ20.00000°,λ62.00000°. $M_0$1.34000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=13.4km s-min=5.9km az=5.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s27.00000°,δ65.00000°,λ83.00000°. NP2:ϕ_s223.00000°,δ26.00000°,λ105.00000°. Principal axes: T Plg69.0000°,Azm282.0000°; N Plg7.0000°,Azm30.0000°; P Plg20.0000° ,Azm122.0000°
IDC Error ellipse: s-maj=20.1km s-min=12.5km az=110.0.

ISC	**III**	**25 01 23 15.3–.79**	**38.30N–.04**	**141.89E–.06**	**52–6**	**4.1b**	**126**	**0-146**	
NIED	III	25 01 23 00	38.30N	141.90E	41	4.1W			¶12635506
MOS	III	25 01 23 13.5–.88	38.30N	141.98E	54	4.3b			
ISCJB	III	25 01 23 13.6–.62	38.29N–.03	141.92E–.06	53–4	4.1b,4.0s			
JMA	III	25 01 23 14.2–.10	38.28N	141.91E	46–1	3.9,4.0s			
IDC	III	25 01 23 15.2–2.3	38.29N	141.87E	50–20	3.9,3.9			
NEIC	III	25 01 23 15.7–.70	38.28N	141.88E	56–6	4.3b,3.9			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ71.00000°,λ99.00000°. NP2:ϕ_s186.00000°,δ21.00000°,λ66.00000°. $M_0$1.48000×10^{15}
MOS Error ellipse: s-maj=10.6km s-min=6.5km az=91.2.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=4.5km az=24.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=15.4km s-min=12.6km az=123.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.3km az=132.0.

ISC	**III**	**25 21 15 44.6–2.7**	**39.72N–.05**	**142.6E–.10**	**32–16**	**3.5b**	**33**	**1-72**	
NIED	III	25 21 15 00	39.70N	142.60E	29	3.9W			¶12635591
JMA	III	25 21 15 43.2–.10	39.71N	142.65E	31–1	3.7			
ISCJB	III	25 21 15 44.2–1.0	39.67N–.04	142.60E–.10	46–8	4.0s,3.6b			
IDC	III	25 21 15 48.9–2.7	39.58N	142.40E	70–23	3.7,3.6			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s250.00000°,δ73.00000°,λ148.00000°. NP2:ϕ_s350.00000°,δ59.00000°,λ20.00000°. $M_0$6.87000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.3km az=4.6.
IDC Error ellipse: s-maj=25.5km s-min=15.5km az=93.0.

ISC	**IV**	**02 16 45 36.4–.74**	**34.80N–.05**	**140.39E–.05**	**75–6**	**3.8b**	**50**	**0-149**	
NIED	IV	02 16 45 00	34.80N	140.40E	65	3.9W			¶12934304
JMA	IV	02 16 45 35.3–.10	34.84N	140.42E	80–2	3.8			
ISCJB	IV	02 16 45 35.2–.44	34.79N–.04	140.40E–.05	81–2	3.7b			
IDC	IV	02 16 45 37.2–1.3	34.78N	140.37E	80–12	3.7,3.6			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ46.00000°,λ99.00000°. NP2:ϕ_s6.00000°,δ45.00000°,λ81.00000°. $M_0$6.75000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=6.1km az=150.7.
IDC Error ellipse: s-maj=18.8km s-min=6.6km az=75.0.

JMA	**IV**	**03 00 10 38.8–.20**	**37.17N**	**142.00E**	**36**	**3.7**			
NIED	IV	03 00 10 00	37.20N	142.00E	47	3.8W			¶14463798

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ76.00000°,λ134.00000°. NP2:ϕ_s157.00000°,δ46.00000°,λ20.00000°. $M_0$4.87000×10^{14}

ISC	**IV**	**05 01 35 20.6–1.3**	**35.59N–.06**	**140.15E–.09**	**70**		**17**	**0-71**	
IDC	IV	05 01 35 17.9–1.3	34.81N	137.66E	0	3.6,3.6			¶15559553
JMA	IV	05 01 35 20.2–.20	35.66N	140.19E	65–2	2.6,3.6			
ISCJB	IV	05 01 35 20.3–.87	35.57N–.06	140.2E–.10	70	3.6b,3.6			

ISC Event type ke.
ISCJB Event type ke.

ISC	**IV**	**05 07 46 06.3–1.4**	**36.23N–.04**	**141.80E–.06**	**1–8**	**3.7b**	**37**	**1-90**	
NIED	IV	05 07 46 00	36.30N	141.90E	23	3.9W			¶12934578
IDC	IV	05 07 46 06.5–.69	36.28N	141.83E	0	3.9,3.8			
JMA	IV	05 07 46 09.1–.20	36.30N	141.87E	65–5	3.7,3.8			

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ69.00000°,λ89.00000°. NP2:ϕ_s216.00000°,δ21.00000°,λ93.00000°. $M_0$8.33000×10^{14}
IDC Error ellipse: s-maj=19.2km s-min=15.7km az=132.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

ISC	**IV**	**05 15 13 50.5–.81**	**35.51N–.04**	**140.11E–.05**	**70–6**	**3.7b**	**39**	**0-70**	
JMA	IV	05 15 13 49.7–.20	35.59N	140.14E	70–2	3.3			¶12934559
ISCJB	IV	05 15 13 49.4–.46	35.53N–.03	140.13E–.05	77–3	3.7b			
IDC	IV	05 15 13 51.1–2.2	35.49N	140.10E	75–17	3.5,3.5			

ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ85.00000°,λ103.00000°. NP2: ϕ_s119.00000°,δ14.00000°,λ19.00000°. Principal axes: T Plg48.0000°,Azm294.0000° ; N Plg13.0000°,Azm189.0000°; P Plg39.0000°,Azm88.0000°
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.5km az=147.3.
IDC Error ellipse: s-maj=32.0km s-min=6.6km az=67.0.

ISC	**IV**	**05 16 44 07.1–1.1**	**38.80N–.04**	**141.72E–.08**	**76–7**	**3.8b**	**29**	**0-50**	
IDC	IV	05 16 44 02.1–9.8	39.38N	141.47E	0	3.8b,3.7			¶12934557
ISCJB	IV	05 16 44 06.4–.76	38.81N–.04	141.69E–.09	80–4	3.7b,3.7			
JMA	IV	05 16 44 08.0	38.79N	141.61E	73–1	3.4,3.7			

ISC Event type fe.
IDC Error ellipse: s-maj=188.3km s-min=41.8km az=100.0.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=6.1km az=17.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s200.00000°,δ76.00000°,λ70.00000°. NP2:ϕ_s76.00000°,δ24.00000°,λ143.00000°. Principal axes: T Plg55.0000°,Azm85.0000°; N Plg19.0000°,Azm205.0000°; P Plg28.0000° ,Azm306.0000°

ISC	**IV**	**06 02 31 20.9–1.5**	**39.21N–.04**	**142.31E–.07**	**25–10**	**4.0b**	**47**	**1-78**	
NEIC	IV	06 02 31 19.9	39.19N	142.39E	33	4.5b			¶12934687
JMA	IV	06 02 31 19.9–.10	39.19N	142.39E	33–1	4.4			
ISCJB	IV	06 02 31 20.8–.83	39.19N–.04	142.32E–.08	41–6	3.9b			
IDC	IV	06 02 31 25.5–2.5	39.10N	142.24E	71–23	3.7,3.6			

ISC Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Aomori, Iwate and Miyagi. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s42.00000°,δ69.00000°,λ91.00000°. NP2:ϕ_s219.00000°,δ21.00000°,λ88.00000°. Principal axes: T Plg66.0000°,Azm313.0000°; N Plg1.0000°,Azm221.0000°; P Plg24.0000° ,Azm131.0000°
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=5.4km az=18.3.
IDC Error ellipse: s-maj=17.4km s-min=15.3km az=107.0.

ISC	**IV**	**08 01 13 19.9–1.0**	**35.39N–.06**	**140.41E–.07**	**29–6**	**3.4b**	**23**	**0-55**	
ISCJB	IV	08 01 13 19.6–.60	35.36N–.05	140.37E–.08	39–5	3.4b			¶12934843
JMA	IV	08 01 13 19.9–.20	35.43N	140.37E	27–2	3.3			
IDC	IV	08 01 13 20.6–4.7	35.31N	140.45E	34–39	4.0L,3.7			

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=5.6km az=148.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=36.9km s-min=18.4km az=75.0.

ISC	**IV**	**08 04 28 51.8–1.1**	**36.13N–.05**	**141.81E–.06**	**29–7**	**4.2b,3.5s**	**96**	**1-151**	
NIED	IV	08 04 28 00	36.20N	141.90E	23	4.1W,3.5s			¶12934828
IDC	IV	08 04 28 47.4–.58	36.10N	141.81E	0	4.1L,4.1			
ISCJB	IV	08 04 28 49.5–1.1	36.15N–.03	141.89E–.05	27–8	4.1b,3.3s			
JMA	IV	08 04 28 50.1–.20	36.17N	141.87E	46	3.9,3.3s			
NEIC	IV	08 04 28 51.3–2.4	36.17N	141.82E	24–16	4.3b,3.3s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ61.00000°,λ93.00000°. NP2:ϕ_s204.00000°,δ29.00000°,λ85.00000°. $M_0$1.58000×10^{15}
IDC Error ellipse: s-maj=15.3km s-min=13.6km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.3km az=13.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.9km az=145.0.

ISC	**IV**	**08 19 20 40.2–.88**	**35.92N–.04**	**140.16E–.05**	**66–7**	**3.6b**	**36**	**0-60**	

NIED IV 08 19 20 00 35.90N 140.10E 62 3.7W ¶12934782
ISCJB IV 08 19 20 38.9–.47 35.86N–.03 140.18E–.06 75–4 3.5b
IDC IV 08 19 20 39.8–1.7 35.81N 140.19E 65–15 3.5,3.5
JMA IV 08 19 20 40.3–.10 35.92N 140.13E 63–1 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S4.00000°,δ65.00000°,λ91.00000°. NP2: ϕ_S181.00000°,δ25.00000°,λ87.00000°. $M_0$4.58000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.7km az=166.3.
IDC Error ellipse: s-maj=21.8km s-min=7.6km az=63.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_S7.00000°,δ74.00000°,λ79.00000°. NP2: ϕ_S222.00000°,δ19.00000°,λ123.00000°. Principal axes: T Plg60.0000°,Azm262.0000° ; N Plg10.0000°,Azm10.0000°; P Plg28.0000°,Azm106.0000°
ISC IV 13 16 58 53.5–.67 35.66N–.04 140.73E–.04 46–6 4.3b,3.4s 158 0-148
IDC IV 13 16 58 46.9–.52 35.61N 140.68E 0 4.3,4.2 ¶12935173
MOS IV 13 16 58 50.1–.88 35.62N 140.87E 39 4.6b,4.2
NEIC IV 13 16 58 51.6–1.8 35.59N 140.77E 32–12 4.5b,4.4W
ISCJB IV 13 16 58 52.3–.37 35.63N–.03 140.74E–.05 52–2 4.3b,3.3s
JMA IV 13 16 58 53.0–.10 35.66N 140.71E 46–1 4.2,3.3s
BJI IV 13 16 58 55.4 35.82N 140.31E 62 4.7b,4.6b
NIED IV 13 16 59 00 35.70N 140.80E 53 4.4W,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=15.8km s-min=12.2km az=96.0.
MOS Error ellipse: s-maj=11.2km s-min=6.8km az=124.5.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=6.5km az=88.0. Recorded [2 JMA] in Chiba and [1 JMA] in Ibaraki and Kanagawa. Moment Tensor Solution. $M_0$4.90000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.0km az=2.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_S7.00000°,δ69.00000°,λ78.00000°. NP2: ϕ_S218.00000°,δ24.00000°,λ119.00000°. Principal axes: T Plg64.0000°,Azm257.0000° ; N Plg11.0000°,Azm11.0000°; P Plg23.0000°,Azm106.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S2.00000°,δ78.00000°,λ82.00000°. NP2: ϕ_S217.00000°,δ15.00000°,λ124.00000°. $M_0$4.90000×10^{15}
ISC IV 17 09 28 00.2–1.9 36.48N–.04 141.69E–.08 14–11 3.5b 23 1-57
IDC IV 17 09 27 57.3–2.1 36.48N 141.89E 0 3.6,3.5 ¶12935473
ISCJB IV 17 09 27 58.7–1.4 36.44N–.04 141.84E–.08 19–8 3.5b,3.5
JMA IV 17 09 28 02.8–.30 36.52N 141.55E 36 2.8,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=43.9km s-min=26.8km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=7.3km az=175.4.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
JMA IV 20 06 08 18.1–.20 36.84N 141.44E 53–2 1.5
¶14469906
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IV 20 22 54 24.4–.49 35.91N–.03 140.83E–.04 35–3 4.8b,4.0s 450 0-148
NIED IV 20 22 54 00 36.00N 140.90E 44 4.7W,4.0s ¶13438928
BJI IV 20 22 54 18.2 35.93N 140.82E 12 4.9b,4.8b
TEH IV 20 22 54 21.0 35.87N 140.65E 6 4.9L,4.8b
ISCJB IV 20 22 54 24.2–.35 35.87N–.02 140.81E–.03 48–2 4.7b,4.0s
MOS IV 20 22 54 24.7–.68 36.27N 140.61E 33 5.2b,4.0s
JMA IV 20 22 54 24.6–.10 35.90N 140.84E 41–1 4.6,4.0s
IDC IV 20 22 54 25.2–.63 35.86N 140.81E 44–5 4.5,4.4
NEIC IV 20 22 54 27.4–.73 35.80N 140.66E 63–6 4.8b,4.7W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S17.00000°,δ76.00000°,λ85.00000°. NP2:ϕ_S218.00000°,δ15.00000°,λ110.00000°. $M_0$1.16000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.1km az=171.5.
MOS Error ellipse: s-maj=10.4km s-min=5.0km az=108.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S0.00000°,δ76.00000°,λ70.00000°. NP2:ϕ_S236.00000°,δ25.00000°,λ144.00000°. Principal axes: T Plg55.0000°,Azm244.0000°; N Plg20.0000°,Azm5.0000°; P Plg28.0000° ,Azm106.0000°
IDC Error ellipse: s-maj=13.5km s-min=7.9km az=103.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.4km az=135.0. Felt [II] at Tokyo. Also felt Kawasaki, Mito and Tsukuba. Recorded [3 JMA] in Chiba and Ibaraki; [2 JMA] in Tochigi; [1 JMA] in Fukushima, Gumma, Saitama and Tokyo. Moment Tensor Solution. $M_0$1.20000×10^{16}
ISC IV 21 09 57 50.2–.24 37.36N–.03 141.51E–.03 43–1 5.2b,4.8s 1479 1-155
BJI IV 21 09 57 45.9 37.28N 141.69E 37 5.3b,5.2b ¶12638902
MOS IV 21 09 57 48.7–.73 37.54N 141.43E 33 5.5b,4.7s
JMA IV 21 09 57 49.2–.10 37.34N 141.59E 45–2 5.2,4.7s
IDC IV 21 09 57 49.8–.48 37.35N 141.56E 41–3 4.9,4.9
NEIC IV 21 09 57 50.5–.10 37.37N 141.40E 43 5.3W,5.2b
ISCJB IV 21 09 57 50.1–.27 37.37N–.02 141.46E–.02 51–2 5.2b,4.8s
GCMT IV 21 09 57 53.5–.20 37.32N 141.73E 48–0 5.3W,4.8s
SZGRF IV 21 09 57 53.3 38.40N 142.29E 44 5.4b,5.0s
DJA IV 21 09 57 54.3–4.7 37N–8.0 142E–17 78–40 5.5b,5.2b
NIED IV 21 09 58 00 37.40N 141.60E 44 5.3W,5.2b
ISC Event type fe.
MOS Error ellipse: s-maj=6.4km s-min=3.9km az=104.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_S23.00000°,δ56.00000°,λ91.00000°. NP2: ϕ_S201.00000°,δ34.00000°,λ88.00000°. Principal axes: T Plg79.0000°,Azm297.0000° ; N Plg1.0000°,Azm202.0000°; P Plg11.0000°,Azm112.0000°
IDC Error ellipse: s-maj=11.2km s-min=10.1km az=117.0.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.2km az=153.0. Felt [III] at Sendai and [II] at Tokyo. Also felt at Ami, Daigo, Fuchu, Iwaki, Matsudo and Narita. Recorded [3 JMA] in Fukushima, Miyagi and Tochigi; [2 JMA] in Ibaraki, Iwate and Yamagata; [1 JMA] in Akita, Aomori, Chiba, Gumma, Kanagawa, Niigata, Saitama and Tokyo. Moment Tensor Solution. $M_0$1.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=159.9.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c120; s92,c165; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{r\phi}$0.00 Best double couple: NP1:ϕ_S203.00000°,δ25.00000°,λ88.00000°. NP2:ϕ_S25.00000° ,δ65.00000°,λ91.00000°. Principal axes: T 1.1900,Plg70.0000°,Azm297.0000° ; N 0.0700,Plg1.0000°,Azm205.0000°; P -1.2500,Plg20.0000°,Azm115.0000° $M_0$1.20000×10^{17}
SZGRF Near east coast of eastern Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S24.00000°,δ73.00000°,λ95.00000°. NP2:ϕ_S187.00000°,δ18.00000°,λ73.00000°. $M_0$1.01000×10^{17}
ISC IV 24 06 03 38.1–1.1 36.20N–.03 140.95E–.06 31–8 3.5b 23 0-65
NIED IV 24 06 03 00 36.20N 140.90E 53 3.9W ¶12936100
ISCJB IV 24 06 03 37.5–.78 36.17N–.03 141.00E–.06 33–5 3.4b
JMA IV 24 06 03 38.5–.10 36.12N 140.88E 43–1 3.5
IDC IV 24 06 03 49.9–1.6 35.51N 139.38E 94–15 3.3,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S245.00000°,δ79.00000°,λ154.00000°. NP2:ϕ_S341.00000°,δ65.00000°,λ12.00000°. $M_0$6.80000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.2km az=173.9.
JMA Event type fe.
IDC Error ellipse: s-maj=27.5km s-min=15.9km az=78.0.
ISC IV 24 14 37 23.1–.97 38.14N–.06 142.2E–.10 36–5 3.7b 28 1-68
NIED IV 24 14 37 00 38.10N 142.20E 59 3.8W ¶12936079
ISCJB IV 24 14 37 21.9–1.0 38.14N–.05 142.22E–.09 45–9 3.7b
JMA IV 24 14 37 22.5–.10 38.17N 142.18E 42–1 4.0
IDC IV 24 14 37 24.5–2.1 38.14N 142.18E 50–20 3.6,3.5L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S30.00000°,δ76.00000°,λ103.00000°. NP2:ϕ_S166.00000°,δ19.00000°,λ48.00000°. $M_0$6.25000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.6km s-min=6.7km az=22.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=18.4km az=101.0.
ISC IV 25 13 54 30.6–.34 40.19N–.03 142.35E–.03 49–2 5.0b,4.2s 948 0-159
NIED IV 25 13 54 00 40.20N 142.40E 47 4.9W,4.2s ¶13439082
DJA IV 25 13 54 23.1–1.4 40N–9.0 143E–23 10 5.3b,5.1
BJI IV 25 13 54 27.2 40.15N 142.46E 50 5.2b,5.0b
MOS IV 25 13 54 28.1–.85 40.31N 142.27E 33 5.3b,5.0b
JMA IV 25 13 54 29.7–.10 40.16N 142.38E 37–1 5.0,5.0b
ISCJB IV 25 13 54 30.1–.26 40.26N–.02 142.23E–.02 51–2 5.0b,4.2s
NEIC IV 25 13 54 31.6–.22 40.24N 142.25E 56 5.0b,4.8W
IDC IV 25 13 54 31.6–1.6 40.16N 142.33E 57–13 4.7,4.7
TEH IV 25 13 54 32.0 40.30N 142.18E 51 5.0L,4.7
SZGRF IV 25 13 54 34.8 41.15N 142.99E 45 4.9b,4.1s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S27.00000°,δ81.00000°,λ99.00000°. NP2:ϕ_S163.00000°,δ13.00000°,λ46.00000°. $M_0$2.27000×10^{16}
MOS Error ellipse: s-maj=7.2km s-min=3.9km az=106.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S40.00000°,δ67.00000°,λ105.00000°. NP2:ϕ_S185.00000°,δ28.00000°,λ58.00000°. Principal axes: T Plg65.0000°,Azm336.0000°; N Plg14.0000°,Azm213.0000°; P Plg20.0000° ,Azm118.0000°
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=153.4.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.0km az=159.0. Felt [III] at Misawa. Also felt at Hachinohe. Recorded [3 JMA] in Aomori and Iwate and [2 JMA] in Akita and Miyagi. Also recorded [2 JMA] in southwestern and [1 JMA] in southern Hokkaido. Moment Tensor Solution. $M_0$2.30000×10^{16}
IDC Error ellipse: s-maj=13.0km s-min=10.1km az=110.0.
SZGRF Hokkaido, Japan, region.
ISC IV 26 00 33 22.4–3.0 36.73N–.10 141.9E–.10 50 27 1-57
IDC IV 26 00 33 18.0–2.6 36.68N 142.01E 0 3.8,3.6b ¶12936197
JMA IV 26 00 33 21.0–.20 36.72N 141.88E 43 3.7,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=56.1km s-min=30.6km az=44.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IV 26 13 51 13.8–2.5 35.47N–.05 142.0E–.10 31–15 17 1-59
JMA IV 26 13 51 13.5–.20 35.49N 141.96E 56–3 2.8 ¶15418216
IDC IV 26 13 51 25.5–1.4 34.44N 138.23E 0 3.8,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=52.0km s-min=20.8km az=85.0.
ISC IV 27 21 37 35.6–.32 36.45N–.03 141.08E–.03 43–2 5.1b,4.7s 1095 0-147
NIED IV 27 21 37 00 36.40N 141.20E 38 5.1W,4.7s ¶13546250
BJI IV 27 21 37 33.0 36.46N 141.06E 42 5.0b,5.0b
MOS IV 27 21 37 34.8–.73 36.73N 140.95E 33 5.3b,4.6s
JMA IV 27 21 37 34.5–.10 36.41N 141.13E 48–2 5.0,4.6s
ISCJB IV 27 21 37 35.5–.34 36.44N–.02 141.01E–.02 50–2 5.1b,4.5s
NEIC IV 27 21 37 36.9–.40 36.36N 140.95E 53–3 5.1b,5.1W
SZGRF IV 27 21 37 36.7 36.98N 142.35E 45 5.2b,4.8s
IDC IV 27 21 37 37.3–1.6 36.36N 141.13E 59–14 4.7,4.7
GCMT IV 27 21 37 38.9–.20 36.35N 141.35E 44–0 5.2W,4.7
DJA IV 27 21 37 41.0–4.8 36N–14 141E–25 72–48 5.8b,5.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S25.00000°,δ69.00000°,λ90.00000°. NP2:ϕ_S204.00000°,δ21.00000°,λ89.00000°. $M_0$5.80000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S357.00000°,δ76.00000°,λ83.00000°. NP2:ϕ_S206.00000°,δ15.00000°,λ118.00000°. Principal axes: T Plg58.0000°,Azm257.0000°; N Plg7.0000°,Azm359.0000°; P Plg31.0000° ,Azm93.0000°
ISCJB Event type fe.
NEIC Event type fe. Felt at Fujioka, Ichikawa, Tsukuba, Utsunomiya and Yokohama. Recorded [3 JMA] in Fukushima, Ibaraki and Tochigi; [2 JMA] in Chiba, Gumma, Iwate, Kanagawa, Miyagi, Nagano, Saitama and Tokyo. Moment Tensor Solution. $M_0$5.80000×10^{16}
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c90; s80,c149; Moment tensor: Scale 10^{16}Nm; M_{rr}6.11±.21 $M_{\theta\theta}$-0.25±.14; $M_{\phi\phi}$-5.86±.14; $M_{r\theta}$1.17±.13; $M_{\theta\phi}$-2.27±.10; $M_{r\phi}$3.91±.12; Best double couple: NP1:ϕ_S201.00000°,δ29.00000°,λ93.00000°. NP2:ϕ_S18.00000°,δ61.00000°,λ88.00000°. Principal axes: T 7.3100,Plg74.0000° ,Azm284.0000°; N 0.5500,Plg1.0000°,Azm19.0000°; P -7.8500,Plg16.0000°,Azm109.0000° $M_0$7.60000×10^{16}
ISC IV 30 22 09 30.8–1.1 36.08N–.04 141.39E–.09 21–5 3.7b 24 1-70
IDC IV 30 22 09 27.2–1.7 36.00N 141.52E 0 3.7,3.7b ¶12936462
ISCJB IV 30 22 09 29.9–1.2 36.06N–.04 141.44E–.07 26–7 3.6b,3.7b
JMA IV 30 22 09 30.8–.10 36.04N 141.37E 40–2 3.4,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=39.2km s-min=23.2km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=6.8km az=162.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA V 01 05 53 32.7–.10 36.61N 141.00E 47–1 3.5
NIED V 01 05 53 00 36.60N 141.00E 47 3.4W ¶14473730
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S32.00000°,δ74.00000°,λ85.00000°. NP2:ϕ_S229.00000°,δ17.00000°,λ106.00000°. $M_0$1.30000×10^{14}
ISC V 04 18 25 23.8–2.6 38.27N–.07 142.2E–.10 14–12 21 1-44
NIED V 04 18 25 00 38.20N 142.40E 17 3.6W ¶13678345
IDC V 04 18 25 21.4–8.0 38.48N 142.38E 0 3.3b,3.2
JMA V 04 18 25 23.6–.20 38.23N 142.37E 37–2 3.5,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S15.00000°,δ79.00000°,λ66.00000°. NP2:ϕ_S261.00000°,δ26.00000°,λ154.00000°. $M_0$2.66000×10^{14}
IDC Error ellipse: s-maj=133.1km s-min=42.1km az=119.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC V 04 19 51 38.0–.76 38.72N–.04 141.60E–.06 73–6 3.8b 54 0-146
NIED V 04 19 51 00 38.70N 141.50E 77 4.1W ¶13678351
ISCJB V 04 19 51 37.1–.45 38.75N–.03 141.57E–.06 78–2 3.8b
JMA V 04 19 51 38.3 38.73N 141.50E 71–1 3.9
IDC V 04 19 51 40.9–2.4 38.70N 141.41E 97–22 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S172.00000°,δ67.00000°,λ76.00000°. NP2:ϕ_S25.00000°,δ26.00000°,λ121.00000°. $M_0$1.63000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=5.0km az=24.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S162.00000°,δ80.00000°,λ67.00000°. NP2:ϕ_S49.00000°,δ25.00000°,λ155.00000°. Principal axes: T Plg50.0000°,Azm46.0000°; N Plg23.0000°,Azm166.0000°; P Plg31.0000° ,Azm271.0000°
IDC Error ellipse: s-maj=18.2km s-min=16.6km az=135.0.
ISC V 07 15 29 14.3–.87 35.34N–.04 140.42E–.05 56–7 3.4b 32 0-59
JMA V 07 15 29 13.6–.10 35.39N 140.45E 54–2 3.1 ¶13678509
ISCJB V 07 15 29 13.2–.47 35.33N–.03 140.43E–.05 62–4 3.4b
IDC V 07 15 29 14.4–2.7 35.23N 140.39E 54–23 3.5L,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.8km az=149.8.
IDC Error ellipse: s-maj=33.4km s-min=7.1km az=71.0.
ISC V 09 05 12 47.4–.96 36.00N–.03 140.10E–.05 71–7 3.7b 33 0-56
IDC V 09 05 12 43.7–5.2 36.03N 140.49E 50–40 3.7,3.7 ¶15423110
ISCJB V 09 05 12 46.6–.51 35.98N–.03 140.12E–.05 77–5 3.6b,3.7
JMA V 09 05 12 47.8–.10 36.04N 140.10E 64–1 3.2,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=49.8km s-min=9.1km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.6km az=4.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_S358.00000°,δ64.00000°,λ78.00000°. NP2: ϕ_S203.00000°,δ28.00000°,λ112.00000°. Principal axes: T Plg69.0000°,Azm245.0000° ; N Plg10.0000°,Azm4.0000°; P Plg18.0000°,Azm97.0000°
ISC V 09 09 17 56.5–.96 40.66N–.04 141.87E–.08 111–8 3.2b 26 0-61
ISCJB V 09 09 17 56.0–.63 40.64N–.04 141.80E–.09 115–5 3.1b ¶13678605
IDC V 09 09 17 57.4–2.2 40.62N 141.78E 118–22 3.0,2.9
JMA V 09 09 17 57.2–.10 40.67N 141.86E 106–1 3.5,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.1km az=4.9.
IDC Error ellipse: s-maj=30.9km s-min=19.9km az=107.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC V 10 16 20 55.2–1.3 36.30N–.04 141.12E–.06 27–10 3.7b 25 1-147
IDC V 10 16 20 51.1–.73 36.17N 141.23E 0 3.9,3.9L ¶13678690
ISCJB V 10 16 20 54.7–.89 36.28N–.04 141.15E–.06 33–6 3.6b,2.9s
JMA V 10 16 20 55.7–.10 36.28N 141.05E 47–1 3.9,2.9s
NIED V 10 16 21 00 36.30N 141.10E 32 3.8W,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=17.4km az=154.0.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=6.5km az=174.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_S321.00000°,δ59.00000°,λ-115.00000°. NP2:ϕ_S182.00000°,δ39.00000°,λ-55.00000°. Principal axes: T Plg11.0000°,Azm68.0000°; N Plg21.0000°,Azm334.0000°; P Plg66.0000°

,Azm184.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s183.00000°,δ53.00000°,λ-59.00000°. NP2:ϕ_s318.00000°,δ47.00000°,λ-125.00000°. $M_0$5.67000×10^{14}
ISC V 13 19 34 47.4–1.2 35.87N–.04 141.64E–.08 29–8 3.4b 26 1-60
JMA V 13 19 34 47.2–.20 35.88N 141.65E 34–3 3.0 **¶13678889**
ISCJB V 13 19 34 47.0–.95 35.82N–.04 141.70E–.08 42–10 3.3b
IDC V 13 19 34 49.0–3.4 35.77N 141.69E 41–27 3.4,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=6.8km az=175.6.
IDC Error ellipse: s-maj=37.4km s-min=13.7km az=91.0.
ISC V 14 22 08 02.8–.87 40.12N–.04 142.09E–.07 57–7 3.9b 35 0-77
NIED V 14 22 08 00 40.10N 142.10E 59 3.9W **¶13678958**
ISCJB V 14 22 08 01.9–.55 40.14N–.03 142.14E–.08 63–5 3.8b
JMA V 14 22 08 02.8 40.13N 142.12E 55–1 3.8
IDC V 14 22 08 03.7–2.4 40.14N 141.98E 67–20 3.7,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ77.00000°,λ83.00000°. NP2:ϕ_s27.00000°,δ15.00000°,λ120.00000°. $M_0$7.16000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.5km az=4.7.
JMA Event type fe.
IDC Error ellipse: s-maj=22.2km s-min=14.0km az=120.0.
ISC V 15 06 19 55.1–.71 36.90N–.06 141.98E–.06 19 4.0b,3.5s 50 1-81
NIED V 15 06 19 00 36.90N 141.90E 35 4.2W,3.5s **¶12853285**
IDC V 15 06 19 51.9–1.0 36.85N 142.06E 0 4.0,4.0
ISCJB V 15 06 19 52.7–.57 36.87N–.04 142.08E–.06 19 4.0b,3.5s
JMA V 15 06 19 55.0–.30 36.92N 141.94E 41 4.2,3.5s
NEIC V 15 06 19 56.9–1.2 36.88N 142.02E 35–8 4.2b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ69.00000°,λ90.00000°. NP2:ϕ_s205.00000°,δ21.00000°,λ91.00000°. $M_0$2.23000×10^{15}
IDC Error ellipse: s-maj=21.6km s-min=16.4km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.1km az=32.8.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.0km az=128.0.
JMA V 17 21 35 12.2–.10 37.51N 141.77E 39–2 3.6
¶15426236
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC V 23 09 43 55.1–.84 35.78N–.04 140.23E–.05 65–7 3.6b 35 0-92
ISCJB V 23 09 43 54.0–.47 35.77N–.03 140.25E–.05 71–4 3.5b **¶13679456**
JMA V 23 09 43 54.7–.10 35.80N 140.23E 62–1 3.2
IDC V 23 09 43 55.5–2.0 35.74N 140.27E 71–18 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.6km az=152.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=24.5km s-min=7.5km az=67.0.
ISC V 23 12 50 16.9–1.9 35.24N–.04 141.29E–.08 17–11 3.5b 25 1-59
IDC V 23 12 50 14.8–1.7 35.20N 141.39E 0 3.7,3.7s **¶13679470**
ISCJB V 23 12 50 16.8–1.1 35.24N–.04 141.32E–.08 30–6 3.7s,3.5b
JMA V 23 12 50 17.3–.10 35.28N 141.27E 37–2 3.1,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=46.4km s-min=19.9km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.9km az=175.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA V 26 00 34 34.4–.20 35.20N 140.19E 23–2 2.7
¶15429226
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC V 28 16 31 01.6–2.4 36.71N–.06 141.4E–.10 25–14 3.3b 19 1-57
IDC V 28 16 31 00.5–1.9 36.30N 141.37E 0 3.5,3.4 **¶13679830**
JMA V 28 16 31 03.7–.10 36.71N 141.27E 46–2 3.4,3.4
ISCJB V 28 16 31 04.0–1.5 36.73N–.05 141.28E–.09 28–5 3.2b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC V 30 03 57 49.0–1.8 36.59N–.05 141.31E–.08 16–11 3.7b 22 1-60
IDC V 30 03 57 47.6–2.1 36.23N 141.19E 0 3.7,3.6b **¶13679943**
ISCJB V 30 03 57 48.4–1.2 36.57N–.04 141.35E–.08 26–7 3.5b,3.6b
JMA V 30 03 57 50.8–.10 36.63N 141.19E 44–2 3.5,3.6b
NIED V 30 03 58 00 36.60N 141.20E 32 3.3W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=55.4km s-min=21.7km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=6.8km az=7.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ89.00000°,λ77.00000°. NP2:ϕ_s293.00000°,δ13.00000°,λ176.00000°. $M_0$9.01000×10^{13}
ISC V 31 15 33 04.0–.30 37.78N–.03 141.62E–.03 61–1 4.9b 583 1-156
MOS V 31 15 32 59.4–.76 37.74N 141.58E 35 5.2b **¶12870905**
SZGRF V 31 15 33 00.6 37.96N 142.95E 33 5.1b,3.8s
NIED V 31 15 33 00 37.80N 141.70E 65 4.6W,3.8s
ISCJB V 31 15 33 03.6–.36 37.79N–.02 141.59E–.03 68–2 4.7b,3.8s
BJI V 31 15 33 04.4 37.89N 141.22E 62 4.7b,4.7b
IDC V 31 15 33 04.2–.34 37.81N 141.52E 61–2 4.6,4.5
NEIC V 31 15 33 04.2–.17 37.82N 141.55E 61 5.0b,4.5
JMA V 31 15 33 04.0 37.78N 141.63E 59–1 4.6,4.5
ISC Event type fe.
MOS Error ellipse: s-maj=9.0km s-min=4.2km az=109.1.
SZGRF Off east coast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ67.00000°,λ106.00000°. NP2:ϕ_s161.00000°,δ28.00000°,λ57.00000°. $M_0$9.61000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=35.8.
IDC Error ellipse: s-maj=10.8km s-min=8.2km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.5km az=145.0. Felt at Ichinoseki. Recorded [3 JMA] in Fukushima and Miyagi; [2 JMA] in Ibaraki and Iwate; [1 JMA] in Tochigi and Yamagata.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s3.00000°,δ79.00000°,λ101.00000°. NP2:ϕ_s138.00000°,δ16.00000°,λ46.00000°. Principal axes: T Plg55.0000°,Azm287.0000°; N Plg11.0000°,Azm181.0000°; P Plg33.0000°,Azm84.0000°
ISC VI 02 12 34 40.6–.88 36.94N–.05 141.66E–.05 34–2 4.3b,3.5s 111 1-147
NIED VI 02 12 34 00 37.00N 141.70E 23 4.1W,3.5s **¶13439880**
MOS VI 02 12 34 37.9–1.2 36.88N 141.90E 33 4.5b,3.5s
ISCJB VI 02 12 34 38.3–.94 36.91N–.03 141.74E–.05 28–6 4.3b,3.5s
JMA VI 02 12 34 39.5–.10 36.95N 141.66E 38–3 4.4,3.5s
NEIC VI 02 12 34 40.9–.33 36.88N 141.75E 35 4.6b,4.1W
IDC VI 02 12 34 42.4–2.1 36.88N 141.72E 50–19 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s225.00000°,δ80.00000°,λ-86.00000°. NP2:ϕ_s25.00000°,δ10.00000°,λ-110.00000°. $M_0$1.72000×10^{15}
MOS Error ellipse: s-maj=10.4km s-min=8.0km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.7km az=11.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=6.0km az=148.0. Recorded [2 JMA] in Fukushima and Ibaraki; [1 JMA] in Miyagi, Tochigi and Yamagata. Moment Tensor Solution. $M_0$1.70000×10^{15}
IDC Error ellipse: s-maj=17.1km s-min=12.8km az=106.0.
ISC VI 02 14 39 59.6–1.9 36.96N–.04 141.76E–.06 6–11 3.6b 36 1-97
IDC VI 02 14 39 58.7–.88 36.81N 142.07E 0 3.9,3.8 **¶13680229**
ISCJB VI 02 14 40 00.2–1.1 36.97N–.03 141.79E–.06 19–7 3.7b,3.8
NIED VI 02 14 40 00 37.00N 141.70E 32 3.6W,3.8
JMA VI 02 14 40 02.8–.20 36.96N 141.62E 49–3 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=18.2km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.6km az=13.3.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ89.00000°,λ-99.00000°. NP2:ϕ_s132.00000°,δ9.00000°,λ-4.00000°. $M_0$2.53000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VI 03 00 47 11.4–2.8 36.66N–.07 141.3E–.10 8–13 3.4b 22 1-46
IDC VI 03 00 47 10.6–11 36.82N 141.37E 0 3.4,3.4 **¶13680315**
JMA VI 03 00 47 13.9–.10 36.63N 141.26E 47–2 3.1,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=213.3km s-min=42.1km az=149.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA VI 05 07 30 07.5–.10 40.02N 142.98E 18–2 3.5
¶15432877
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VI 05 16 34 01.8–.10 40.06N 141.79E 56–1 0.5
¶15433075
ISC VI 06 02 35 34.8–1.5 35.52N–.05 141.31E–.08 30–10 3.8b 26 0-70
ISCJB VI 06 02 35 34.5–.84 35.51N–.04 141.31E–.09 43–8 3.8b,3.2s **¶13680650**
JMA VI 06 02 35 35.5–.10 35.55N 141.19E 40–1 3.4,3.2s
IDC VI 06 02 35 36.2–3.8 35.51N 141.14E 37–33 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.6km az=178.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=28.8km s-min=15.0km az=94.0.
ISC VI 06 03 49 23.4–1.3 35.58N–.04 141.19E–.06 31–9 3.9b 64 0-148
NIED VI 06 03 49 00 35.60N 141.30E 41 4.2W **¶13439943**
IDC VI 06 03 49 18.6–.62 35.53N 141.10E 0 4.1,4.0
JMA VI 06 03 49 21.9–.20 35.55N 141.29E 43–1 4.0,4.0
ISCJB VI 06 03 49 22.8–.67 35.53N–.03 141.21E–.06 44–5 4.0b,2.7s
NEIC VI 06 03 49 23.2–3.3 35.55N 141.18E 30–23 4.4b,2.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s116.00000°,δ58.00000°,λ-73.00000°. NP2:ϕ_s266.00000°,δ36.00000°,λ-115.00000°. $M_0$2.21000×10^{15}
IDC Error ellipse: s-maj=22.4km s-min=14.1km az=96.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.1km az=174.6.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.7km az=96.0.
ISC VI 06 05 52 42.7–.17 35.47N–.02 141.15E–.02 36–0 5.8b,5.5s 1072 0-166
NIED VI 06 05 52 00 35.60N 141.40E 38 5.8W,5.5s **¶13195292**
IDC VI 06 05 52 38.1–.34 35.52N 141.01E 0 5.3,5.3
BGS VI 06 05 52 38.6–1.9 34.54N 141.06E 33 5.6s,5.6b
BJI VI 06 05 52 41.5 35.52N 141.01E 44 5.5s,5.5b
JMA VI 06 05 52 41.0–.10 35.54N 141.26E 42–1 5.9,5.5b
ISCJB VI 06 05 52 42.4–.34 35.42N–.02 140.99E–.02 40–2 5.7b,5.5s
NEIC VI 06 05 52 43.3–.08 35.48N 140.91E 34 5.8b,5.8W
SZGRF VI 06 05 52 44.0 36.38N 141.94E 28 6.1b,5.5s
MOS VI 06 05 52 44.7–.88 35.59N 140.98E 54 5.9b,5.4s
GCMT VI 06 05 52 45.7–.10 35.44N 141.09E 28–0 5.8W,5.4s
TEH VI 06 05 52 45.0 35.44N 140.93E 44 5.9L,5.4s
DJA VI 06 05 52 52.6–3.6 35N–20 141E–10 76–27 6.1b,5.8b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ63.00000°,λ-67.00000°. NP2:ϕ_s259.00000°,δ35.00000°,λ-128.00000°. $M_0$5.48000×10^{17}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s132.00000°,δ72.00000°,λ-69.00000°. NP2:ϕ_s261.00000°,δ28.00000°,λ-138.00000°. Principal axes: T Plg24.0000°,Azm206.0000°; N Plg20.0000°,Azm305.0000°; P Plg58.0000°,Azm71.0000°
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Narita and [II] at Yokohama and Yokosuka. Also felt at Chiba, Inzai, Kawasaki, Kimitsu, Koshigaya, Miura, Mobara, Ryugasaki, Sagamihara, Tomisato, Yamato and Zama. Recorded [3 JMA] in Chiba and Ibaraki; [2 JMA] in Fukushima, Kanagawa, Miyagi, Saitama, Tochigi, Tokyo and Yamanashi; [1 JMA] in Gumma, Nagano, Niigata and Shizuoka. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ75.00000°,λ-90.00000°. NP2: ϕ_s315.00000°,δ15.00000°,λ-90.00000°. Principal axes: T Plg30.0000°,Azm225.0000° ; N Plg0.0000°,Azm0.0000°; P Plg60.0000°,Azm45.0000° Moment Tensor Solution. s77 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.94 $M_{\theta\theta}$3.07 $M_{\phi\phi}$-1.13 $M_{r\theta}$-1.40 $M_{\theta\phi}$-2.39 $M_{\phi r}$1.76 Best double couple: NP1:ϕ_s256.00000°,δ43.00000°,λ-153.00000°. NP2:ϕ_s145.00000°,δ72.00000°,λ-50.00000°. Principal axes: T 4.7600,Plg16.0000°,Azm206.0000° ; N -1.3900,Plg37.0000°,Azm310.0000°; P -3.3800,Plg47.0000°,Azm97.0000° $M_0$4.20000×10^{17} Moment Tensor Solution. $M_0$5.50000×10^{17}
SZGRF Near east coast of eastern Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=250, per= 50. Moment Tensor Solution. s105,c214; s60,c63; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.14±.05 $M_{\theta\theta}$4.35±.04; $M_{\phi\phi}$-1.21±.04; $M_{r\theta}$-1.36±.08; $M_{\theta\phi}$-1.32±.03; $M_{\phi r}$3.18±.10; Best double couple: NP1:ϕ_s253.00000°,δ40.00000°,λ-144.00000°. NP2:ϕ_s134.00000°,δ68.00000°,λ-56.00000°. Principal axes: T 5.2200,Plg16.0000°,Azm199.0000°; N 0.2900,Plg32.0000°,Azm299.0000° ; P -5.5100,Plg54.0000°,Azm87.0000° $M_0$5.40000×10^{17}
ISC VI 06 08 24 08.5–1.4 35.53N–.05 141.27E–.07 30–9 3.6b 33 0-91
IDC VI 06 08 24 04.2–.69 35.47N 141.38E 0 3.9,3.8 **¶13680659**
ISCJB VI 06 08 24 08.1–.85 35.50N–.04 141.24E–.09 40–8 3.7b,3.8
JMA VI 06 08 24 08.5–.10 35.54N 141.22E 40–1 3.4,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=15.1km az=103.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=5.9km az=2.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VI 06 09 44 32.2–2.0 35.54N–.05 141.3E–.10 36–2 3.6b 22 0-59
IDC VI 06 09 44 24.6–2.0 36.02N 139.02E 0 3.8,3.7 **¶13680665**
ISCJB VI 06 09 44 31.7–.95 35.52N–.04 141.23E–.10 46–8 3.6b,3.7
JMA VI 06 09 44 31.5–.20 35.54N 141.27E 39–1 3.2,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=110.9km s-min=26.4km az=103.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=6.3km az=173.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VI 06 19 38 23.9–2.4 36.54N–.04 141.51E–.06 14–14 3.9b,3.1s 52 1-147
NIED VI 06 19 38 00 36.60N 141.50E 32 3.9W,3.1s **¶13680694**
IDC VI 06 19 38 21.8–.71 36.55N 141.54E 0 3.9,3.8
NEIC VI 06 19 38 26.9–1.2 36.62N 141.59E 35–10 4.3b,3.8
JMA VI 06 19 38 26.5–.10 36.57N 141.36E 48–2 3.8,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ86.00000°,λ-70.00000°. NP2:ϕ_s279.00000°,δ20.00000°,λ-168.00000°. $M_0$7.71000×10^{14}
IDC Error ellipse: s-maj=21.1km s-min=15.0km az=90.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.0km az=132.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VI 06 19 39 33.4–1.1 36.59N–.05 141.49E–.08 26 3.7b 24 1-60
IDC VI 06 19 39 27.5–1.2 36.63N 142.14E 0 3.8,3.8 **¶13680695**
ISCJB VI 06 19 39 32.3–.83 36.54N–.04 141.52E–.07 26 3.6b,3.8
JMA VI 06 19 39 34.6–.10 36.58N 141.35E 46–3 3.6,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=30.4km s-min=19.1km az=86.0.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=5.4km az=170.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VI 07 05 38 50.3–1.9 35.53N–.06 141.27E–.08 25–14 3.6b,3.5s 23 0-84
IDC VI 07 05 38 47.1–1.8 35.55N 141.35E 0 3.7,3.7 **¶13680766**
ISCJB VI 07 05 38 51.8–1.0 35.47N–.04 141.17E–.10 43–8 3.6s,3.5b
JMA VI 07 05 38 52.1–.10 35.53N 141.17E 37–1 3.1,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=60.6km s-min=23.1km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=7.1km az=170.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VI 08 21 03 17.1–1.4 35.47N–.05 141.27E–.09 25 16 0-55
IDC VI 08 21 03 10.4–3.3 35.99N 141.92E 0 3.4,3.3b **¶13680922**
ISCJB VI 08 21 03 15.8–1.1 35.47N–.06 141.34E–.10 25 3.3b,3.3b
JMA VI 08 21 03 17.4–.10 35.53N 141.22E 40–1 2.8,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=89.1km s-min=31.7km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=7.8km az=158.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VI 08 21 17 17.4–.79 35.53N–.04 141.46E–.08 25 3.8b 31 1-76
NIED VI 08 21 17 00 35.50N 141.20E 41 4.0W **¶13439996**
IDC VI 08 21 17 13.1–.92 35.48N 141.70E 0 3.8,3.7
ISCJB VI 08 21 17 15.4–.66 35.50N–.04 141.59E–.07 25 3.7b,3.4s
JMA VI 08 21 17 20.1–.10 35.53N 141.20E 41–1 3.6,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s43.00000°,δ81.00000°,λ95.00000°. NP2:ϕ_s195.00000°,δ10.00000°,λ62.00000°. $M_0$1.06000×10^{15}
IDC Error ellipse: s-maj=24.3km s-min=17.0km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.7km az=9.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VI 09 02 07 36.1–.39 40.14N–.04 142.52E–.04 46–2 4.8b,4.1s 431 1-155

NIED VI 09 02 07 00 40.20N 142.50E 35 4.6W,4.1s ¶12952888
BJI VI 09 02 07 33.0 40.20N 142.89E 55 4.8b,4.8b
ISCJB VI 09 02 07 35.1–.40 40.18N–.03 142.49E–.04 45–3 4.7b,4.1s
JMA VI 09 02 07 35.5–.10 40.15N 142.46E 35–1 4.5,4.1s
MOS VI 09 02 07 35.6–.95 40.23N 142.51E 49 5.0b,4.1s
IDC VI 09 02 07 36.1–.49 40.11N 142.48E 42–3 4.4,4.3
NEIC VI 09 02 07 38.0–.56 40.14N 142.51E 60–4 4.9b,4.6W
SZGRF VI 09 02 07 39.5 40.52N 142.86E 45 4.9b,4.6W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ79.00000°,λ105.00000°. NP2:ϕ_s157.00000°,δ19.00000°,λ35.00000°. M_o8.88000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.5km az=39.9.
JMA Event type fe.
MOS Error ellipse: s-maj=8.0km s-min=4.5km az=103.7.
IDC Error ellipse: s-maj=12.5km s-min=9.8km az=103.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.1km az=135.0. Felt at Ichinoseki. Recorded [2 JMA] in Aomori and Iwate and [1 JMA] in Miyagi. Moment Tensor Solution. M_o8.90000×10^{15}
SZGRF Near east coast of eastern Honshu, Japan.
ISC VI 09 15 55 21.1–.95 40.12N–.05 142.52E–.07 39–4 3.7b 32 1-72
NIED VI 09 15 55 00 40.10N 142.50E 44 3.8W ¶13681059
ISCJB VI 09 15 55 19.9–.71 40.15N–.04 142.56E–.07 46–7 3.7b
JMA VI 09 15 55 20.9–.10 40.14N 142.48E 34–1 4.0
MOS VI 09 15 55 20.8–.68 40.16N 142.61E 56 4.2b
IDC VI 09 15 55 22.7–2.4 40.16N 142.65E 58–21 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ76.00000°,λ95.00000°. NP2:ϕ_s184.00000°,δ15.00000°,λ71.00000°. M_o4.74000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.8km az=26.4.
MOS Error ellipse: s-maj=25.6km s-min=13.2km az=82.7.
IDC Error ellipse: s-maj=25.7km s-min=14.1km az=98.0.
ISC VI 10 04 06 33.8–.54 35.50N–.04 141.05E–.04 34–1 4.5b,4.0s 113 0-148
NIED VI 10 04 06 00 35.60N 141.10E 32 4.6W,4.0s ¶13195969
BJI VI 10 04 06 29.4 34.90N 141.00E 35 4.9b,4.7b
JMA VI 10 04 06 33.4–.10 35.58N 141.14E 38–1 4.8,4.7b
ISCJB VI 10 04 06 33.2–.58 35.55N–.04 141.14E–.06 35–5 4.6b,4.0s
NEIC VI 10 04 06 34.8–.48 35.58N 141.11E 35 4.4b,4.0s
MOS VI 10 04 06 34.9–.89 35.89N 141.16E 33 4.8b,4.0s
IDC VI 10 04 06 35.5–1.7 35.53N 141.03E 45–20 4.5,4.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s135.00000°,δ70.00000°,λ-39.00000°. NP2:ϕ_s240.00000°,δ54.00000°,λ-155.00000°. M_o1.02000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s230.00000°,δ74.00000°,λ-114.00000°. NP2: ϕ_s107.00000°,δ29.00000°,λ-36.00000°. Principal axes: T Plg25.0000°,Azm338.0000° ; N Plg23.0000°,Azm237.0000°; P Plg55.0000°,Azm110.0000°
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.8km az=17.9.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=8.6km az=178.0. Recorded [2 JMA] in Chiba and Ibaraki; [1 JMA] in Fukushima, Gumma, Kanagawa, Saitama and Tochigi.
MOS Error ellipse: s-maj=15.3km s-min=9.4km az=77.1.
IDC Error ellipse: s-maj=19.8km s-min=11.7km az=91.0.
ISC VI 10 11 41 44.7–1.5 35.58N–.05 141.2E–.10 33 16 0-59
IDC VI 10 11 41 41.6–2.7 35.38N 141.38E 0 3.3,3.3b ¶13681104
ISCJB VI 10 11 41 43.8–1.2 35.56N–.05 141.3E–.10 33 3.5b,3.3b
JMA VI 10 11 41 44.9–.10 35.57N 141.12E 38–1 2.4,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=52.2km s-min=34.2km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=6.0km az=157.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VI 11 02 50 17.0–.39 35.52N–.04 141.17E–.04 35–3 4.5b,3.7s 205 0-155
NIED VI 11 02 50 00 35.50N 141.40E 32 4.5W,3.7s ¶12977492
BJI VI 11 02 50 11.9 35.54N 141.65E 40 4.6b,4.6b
JMA VI 11 02 50 15.4–.10 35.53N 141.28E 38–1 4.5,4.6b
MOS VI 11 02 50 15.4–1.0 35.55N 141.01E 33 4.7b,4.6b
ISCJB VI 11 02 50 16.6–.46 35.50N–.03 141.14E–.04 45–3 4.5b,3.7s
NEIC VI 11 02 50 17.7–.69 35.52N 141.06E 39–6 4.4b,3.7s
IDC VI 11 02 50 18.0–1.5 35.53N 141.04E 42–15 4.3,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s98.00000°,δ54.00000°,λ-91.00000°. NP2:ϕ_s280.00000°,δ36.00000°,λ-89.00000°. M_o6.82000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=10.4km s-min=5.9km az=101.3.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=31.9.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.4km az=139.0. Recorded [1 JMA] in Chiba.
IDC Error ellipse: s-maj=14.2km s-min=9.0km az=95.0.
ISC VI 12 21 21 01.3–.98 36.77N–.04 141.17E–.06 33–3 3.6b 33 0-147
ISCJB VI 12 21 21 00.1–.93 36.73N–.04 141.24E–.07 42–8 3.5b,3.0s ¶13681246
NIED VI 12 21 21 00 36.80N 141.20E 41 3.7W,3.0s
JMA VI 12 21 21 01.3–.10 36.74N 141.12E 42–1 3.8,3.0s
IDC VI 12 21 21 04.4–3.4 36.67N 141.12E 63–29 3.6,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=6.1km az=21.6.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ52.00000°,λ79.00000°. NP2:ϕ_s58.00000°,δ39.00000°,λ103.00000°. M_o4.32000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s62.00000°,δ69.00000°,λ99.00000°. NP2: ϕ_s218.00000°,δ23.00000°,λ68.00000°. Principal axes: T Plg65.0000°,Azm347.0000° ; N Plg8.0000°,Azm239.0000°; P Plg23.0000°,Azm145.0000°
IDC Error ellipse: s-maj=27.8km s-min=17.2km az=57.0.
ISC VI 13 09 45 48.5–1.9 35.28N–.04 141.20E–.08 27–13 3.6b 21 1-76
IDC VI 13 09 45 44.8–.95 35.27N 141.33E 0 3.8,3.6 ¶13681274
JMA VI 13 09 45 47.6–.10 35.30N 141.25E 25–2 2.8,3.6
ISCJB VI 13 09 45 48.0–1.0 35.28N–.04 141.20E–.08 33–5 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC VI 14 05 42 01.3–.94 34.53N–.04 140.23E–.05 78–7 3.7b 33 0-58
IDC VI 14 05 41 58.4–1.2 33.70N 138.23E 0 3.7,3.5 ¶13681331
ISCJB VI 14 05 42 00.1–.55 34.53N–.04 140.26E–.05 85–4 3.6b,3.5
JMA VI 14 05 42 00.0–.20 34.53N 140.26E 83–2 2.9,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=38.7km s-min=17.5km az=36.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.8km az=138.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VI 14 18 32 22.1–.68 40.91N–.03 141.96E–.04 93–6 4.2b 130 1-148
NIED VI 14 18 32 00 40.90N 141.90E 98 4.3W ¶13383484
MOS VI 14 18 32 13.5–1.5 40.66N 141.71E 33 4.5b
ISCJB VI 14 18 32 21.2–.28 40.92N–.03 141.91E–.05 100–2 4.2b
NEIC VI 14 18 32 21.9–.53 40.86N 141.91E 93–5 4.7b,4.2W
IDC VI 14 18 32 21.4–1.4 40.88N 141.90E 86–12 4.0,3.9
JMA VI 14 18 32 22.1–.10 40.92N 141.91E 93–1 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ86.00000°,λ-108.00000°. NP2:ϕ_s31.00000°,δ19.00000°,λ-12.00000°. M_o2.82000×10^{15}
MOS Error ellipse: s-maj=15.0km s-min=9.0km az=84.5.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.3km az=29.9.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.8km az=134.0. Recorded [2 JMA] in Aomori and [1 JMA] in Iwate. Recorded [1 JMA] in southwestern Hokkaido. Moment Tensor Solution. M_o2.80000×10^{15}
IDC Error ellipse: s-maj=13.5km s-min=9.1km az=117.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s184.00000°,δ77.00000°,λ-90.00000°. NP2: ϕ_s4.00000°,δ13.00000°,λ-90.00000°. Principal axes: T Plg32.0000°,Azm274.0000° ; N Plg0.0000°,Azm4.0000°; P Plg58.0000°,Azm94.0000°
JMA VI 15 23 33 04.7–.10 38.91N 142.11E 44–1 3.7
NIED VI 15 23 33 00 38.90N 142.10E 20 3.5W ¶14489923
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ53.00000°,λ-75.00000°. NP2:ϕ_s168.00000°,δ40.00000°,λ-109.00000°. M_o1.72000×10^{14}
JMA VI 16 14 12 37.5–.10 39.97N 142.39E 38–1 3.5
NIED VI 16 14 12 00 40.00N 142.40E 35 3.8W ¶14490078
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ77.00000°,λ97.00000°. NP2:ϕ_s181.00000°,δ15.00000°,λ63.00000°. M_o4.83000×10^{14}
ISC VI 16 22 35 17.6–.76 35.56N–.04 141.19E–.05 32–4 3.9b 89 0-148
NIED VI 16 22 35 00 35.50N 141.20E 38 4.2W ¶13222205
IDC VI 16 22 35 13.0–.58 35.53N 141.06E 0 4.2L,4.0
ISCJB VI 16 22 35 16.8–.58 35.54N–.03 141.21E–.06 45–4 3.9b,3.6s
JMA VI 16 22 35 17.0–.10 35.53N 141.21E 40–1 4.0,3.6s
NEIC VI 16 22 35 17.9–.38 35.55N 141.12E 35 4.4b,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s265.00000°,δ78.00000°,λ-112.00000°. NP2:ϕ_s147.00000°,δ25.00000°,λ-30.00000°. M_o2.08000×10^{15}
IDC Error ellipse: s-maj=17.9km s-min=14.0km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.9km az=8.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s90.00000°,δ90.00000°,λ105.00000°. NP2: ϕ_s181.00000°,δ15.00000°,λ0.00000°. Principal axes: T Plg43.0000°,Azm15.0000° ; N Plg15.0000°,Azm270.0000°; P Plg43.0000°,Azm166.0000°
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.2km az=82.0.
ISC VI 17 10 41 04.1–.73 36.01N–.04 140.13E–.06 71–6 4.0b 37 0-92
NIED VI 17 10 41 00 36.00N 140.10E 59 3.8W ¶15437650
ISCJB VI 17 10 41 03.0–.41 36.00N–.03 140.14E–.07 78–3 3.8b
JMA VI 17 10 41 04.7–.10 36.04N 140.10E 63–1 3.5
IDC VI 17 10 41 05.9–2.6 35.97N 140.05E 86–24 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ65.00000°,λ87.00000°. NP2: ϕ_s189.00000°,δ25.00000°,λ95.00000°. M_o5.88000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=5.0km az=7.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s358.00000°,δ63.00000°,λ78.00000°. NP2: ϕ_s203.00000°,δ29.00000°,λ111.00000°. Principal axes: T Plg70.0000°,Azm244.0000° ; N Plg10.0000°,Azm4.0000°; P Plg17.0000°,Azm97.0000°
IDC Error ellipse: s-maj=25.1km s-min=14.2km az=68.0.
JMA VI 19 01 14 08.3–.10 36.69N 141.24E 46–2 2.7
¶15438327
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VI 19 05 32 50.8–1.3 35.48N–.04 141.25E–.05 30–9 4.4b,3.7s 118 0-148
NIED VI 19 05 32 00 35.50N 141.30E 38 4.4W,3.7s ¶13383511
BJI VI 19 05 32 42.7 35.57N 142.29E 33 4.8b,4.5b
IDC VI 19 05 32 46.3–.55 35.50N 141.13E 0 4.6L,4.3
MOS VI 19 05 32 48.7–1.1 35.54N 141.39E 33 4.5b,4.3
NEIC VI 19 05 32 49.5–3.1 35.53N 141.23E 21–21 4.5b,4.4W
ISCJB VI 19 05 32 50.5–.57 35.50N–.03 141.23E–.05 45–4 4.3b,3.5s
JMA VI 19 05 32 50.3–.10 35.53N 141.25E 42–1 4.4,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s261.00000°,δ67.00000°,λ-120.00000°. NP2:ϕ_s137.00000°,δ37.00000°,λ-41.00000°. M_o4.83000×10^{15}
IDC Error ellipse: s-maj=18.5km s-min=12.2km az=101.0.
MOS Error ellipse: s-maj=10.7km s-min=6.4km az=104.0.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=8.7km az=132.0. Recorded [1 JMA] in Chiba. Moment Tensor Solution. M_o4.80000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.9km az=16.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s271.00000°,δ88.00000°,λ-105.00000°. NP2: ϕ_s173.00000°,δ15.00000°,λ-8.00000°. Principal axes: T Plg41.0000°,Azm15.0000° ; N Plg15.0000°,Azm272.0000°; P Plg45.0000°,Azm166.0000°
ISC VI 21 18 19 56.8–.93 35.59N–.05 141.25E–.07 33 3.4b 23 0-59
NIED VI 21 18 19 00 35.50N 141.20E 38 3.9W ¶13681800
ISCJB VI 21 18 19 54.9–.71 35.58N–.04 141.42E–.07 33 3.5b,2.5s
JMA VI 21 18 19 57.6–.10 35.54N 141.20E 41–1 3.5,2.5s
IDC VI 21 18 19 58.4–2.5 35.60N 141.09E 42–24 3.7L,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s130.00000°,δ50.00000°,λ-91.00000°. NP2:ϕ_s311.00000°,δ40.00000°,λ-89.00000°. M_o7.15000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=6.0km az=18.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s136.00000°,δ76.00000°,λ-82.00000°. NP2: ϕ_s286.00000°,δ16.00000°,λ-119.00000°. Principal axes: T Plg31.0000°,Azm220.0000° ; N Plg8.0000°,Azm315.0000°; P Plg58.0000°,Azm57.0000°
IDC Error ellipse: s-maj=31.0km s-min=17.6km az=86.0.
ISC VI 23 07 37 18.6–.27 38.89N–.02 142.46E–.03 47–1 5.6b,5.1s 1404 1-163
NIED VI 23 07 37 00 38.90N 142.50E 44 5.6W,5.1s ¶13441388
MOS VI 23 07 37 15.9–.83 38.94N 142.45E 33 5.8b,5.1s
BJI VI 23 07 37 15.7 38.92N 142.44E 39 5.4b,5.3b
ISCJB VI 23 07 37 17.9–.25 38.89N–.02 142.42E–.02 51–2 5.6b,5.1s
NEIC VI 23 07 37 17.6–.09 38.85N 142.39E 37 5.7b,5.6W
JMA VI 23 07 37 17.2–.10 38.90N 142.53E 39–2 5.6,5.6W
IDC VI 23 07 37 18.7–.42 38.84N 142.45E 49–3 5.1,5.1
TEH VI 23 07 37 19.0 38.89N 142.40E 47 5.7L,5.1
BGS VI 23 07 37 19.5–1.4 38.98N 140.93E 33 5.4b,5.2s
GCMT VI 23 07 37 20.1–.10 38.88N 142.51E 36–0 5.6W,5.2s
SZGRF VI 23 07 37 24.4 39.95N 143.27E 50 5.6b,5.2s
DJA VI 23 07 38 04.7–3.4 38N–13 141E–17 447–52 5.2b,4.8b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s85.00000°,δ48.00000°,λ113.00000°. NP2:ϕ_s232.00000°,δ47.00000°,λ66.00000°. M_o2.49000×10^{17}
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Shiwa and [III] at Sendai. Also felt at Misawa, Soma and Utsunomiya. Recorded [4 JMA] in Iwate and Miyagi; [2 JMA] in Akita, Aomori, Fukushima and Yamagata; [1 JMA] in Ibaraki and Tochigi. Also recorded [1 JMA] in eastern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s77 Moment tensor: Scale 10^{17}Nm; M_{rr}2.76 $M_{\theta\theta}$-2.07 $M_{\phi\phi}$-0.69 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.96 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s231.00000° ,δ50.00000°,λ75.00000°. NP2:ϕ_s74.00000°,δ42.00000°,λ107.00000°. Principal axes: T 2.9200,Plg77.0000°,Azm79.0000°; N -0.3300,Plg11.0000°,Azm240.0000° ; P -2.5900,Plg3.0000°,Azm331.0000° M_o2.80000×10^{17} Moment Tensor Solution. M_o2.50000×10^{17}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s95.00000°,δ57.00000°,λ123.00000°. NP2:ϕ_s225.00000°,δ46.00000°,λ50.00000°. Principal axes: T Plg62.0000°,Azm60.0000°; N Plg27.0000°,Azm255.0000°; P Plg6.0000° ,Azm162.0000°
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=214, per= 50. Moment Tensor Solution. s97,c182; s42,c45; Moment tensor: Scale 10^{17}Nm; M_{rr}2.53±.04 $M_{\theta\theta}$-2.56±.03; $M_{\phi\phi}$0.03±.03; $M_{r\theta}$0.43±.04; $M_{\theta\phi}$-1.10±.02; $M_{\phi r}$-0.78±.04; Best double couple: NP1:ϕ_s231.00000°,δ47.00000°,λ62.00000°. NP2:ϕ_s89.00000°,δ50.00000°,λ117.00000°. Principal axes: T 2.8500,Plg70.0000°,Azm66.0000°; N 0.1200,Plg20.0000°,Azm251.0000° ; P -2.9700,Plg1.0000°,Azm160.0000° M_o2.90000×10^{17}
SZGRF Off east coast of Honshu, Japan.
JMA VI 23 15 08 35.2–.20 38.89N 142.56E 34–4 1.2
¶15439941
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC VI 23 17 14 38.5–1.2 38.91N–.05 142.51E–.09 43–12 3.6b 30 1-63
ISCJB VI 23 17 14 37.0–1.1 38.88N–.04 142.6E–.10 47–12 3.6b ¶13681913
JMA VI 23 17 14 37.7–.10 38.90N 142.51E 38–1 3.9
IDC VI 23 17 14 39.9–3.2 38.80N 142.52E 63–31 3.5,3.5L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=13.6km s-min=6.0km az=18.4.
JMA Event type fe.
IDC Error ellipse: s-maj=36.1km s-min=19.8km az=106.0.
JMA VI 23 19 44 38.3–.10 38.90N 142.49E 40–2 1.3
¶13681922
ISC VI 23 19 45 38.5–2.1 38.93N–.06 142.57E–.08 31–13 3.6b 30 1-73
NIED VI 23 19 45 00 38.90N 142.50E 68 3.9W ¶15440015
ISCJB VI 23 19 45 38.3–1.1 38.93N–.05 142.6E–.10 50–10 3.5b
JMA VI 23 19 45 39.1–.10 38.92N 142.53E 38–2 3.8
IDC VI 23 19 45 39.7–2.5 38.91N 142.61E 46–23 3.6,3.5L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s72.00000°,δ60.00000°,λ71.00000°. NP2:ϕ_s287.00000°,δ35.00000°,λ120.00000°. M_o8.33000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=6.6km az=20.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=28.9km s-min=16.4km az=100.0.
ISC VI 23 20 08 42.6–1.0 36.29N–.05 140.03E–.06 78–7 3.3b 23 0-60
ISCJB VI 23 20 08 41.6–.69 36.28N–.05 140.04E–.07 84–4 3.2b **¶13681925**
IDC VI 23 20 08 41.2–5.7 36.37N 140.17E 72–43 3.1,3.0
JMA VI 23 20 08 43.2–.10 36.31N 140.02E 73–1 3.1,3.0
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=7.0km az=25.9.
IDC Error ellipse: s-maj=56.5km s-min=24.9km az=66.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VI 23 23 28 27.8–2.5 36.70N–.07 141.2E–.10 30–12 20 1-44
JMA VI 23 23 28 27.4–.10 36.68N 141.25E 46–2 3.3 **¶15440065**
IDC VI 23 23 28 27.9–2.0 34.23N 138.31E 0 3.4,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=61.3km s-min=22.7km az=83.0.
ISC VI 26 07 49 33.0–2.1 38.88N–.04 142.62E–.08 32–14 3.8b 29 1-88
NIED VI 26 07 49 00 38.90N 142.50E 74 3.7W **¶13682051**
ISCJB VI 26 07 49 33.2–1.1 38.88N–.04 142.56E–.10 48–11 3.9s,3.6b
JMA VI 26 07 49 34.1–.10 38.91N 142.51E 39–2 3.8,3.6b
IDC VI 26 07 49 35.2–2.8 38.82N 142.61E 54–27 3.9s,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s73.00000°,δ50.00000°,λ84.00000°. NP2:ϕ_s262.00000°,δ41.00000°,λ97.00000°. $M_0$4.01000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=6.1km az=20.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=31.9km s-min=19.9km az=102.0.
ISC VI 27 00 12 22.2–1.3 38.93N–.05 142.53E–.10 42–12 3.5b 27 1-59
NIED VI 27 00 12 00 38.90N 142.50E 53 4.1W **¶13682096**
ISCJB VI 27 00 12 21.3–1.2 38.88N–.05 142.5E–.10 51–11 3.5b
JMA VI 27 00 12 21.8–.10 38.90N 142.50E 41–2 3.8
IDC VI 27 00 12 24.6–4.9 38.82N 142.45E 67–45 3.5,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s317.00000°,δ87.00000°,λ-70.00000°. NP2:ϕ_s55.00000°,δ20.00000°,λ-171.00000°. $M_0$1.82000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=7.1km az=15.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=38.6km s-min=25.1km az=86.0.
ISC VI 27 04 07 18.8–.96 37.38N–.04 141.52E–.07 61–8 3.5b 31 1-90
NIED VI 27 04 07 00 37.40N 141.50E 62 3.8W **¶13682116**
ISCJB VI 27 04 07 17.8–.79 37.38N–.04 141.51E–.08 65–6 3.6b
IDC VI 27 04 07 19.6–4.3 37.38N 141.58E 71–36 3.9L,3.7
JMA VI 27 04 07 19.3–.10 37.40N 141.41E 63–1 4.0,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ60.00000°,λ131.00000°. NP2:ϕ_s322.00000°,δ49.00000°,λ41.00000°. $M_0$5.19000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.7km s-min=6.3km az=23.1.
IDC Error ellipse: s-maj=34.0km s-min=20.1km az=61.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VI 27 07 34 05.3–1.2 35.43N–.05 140.21E–.07 45–8 21 0-55
IDC VI 27 07 34 01.4–2.0 35.32N 140.17E 0 3.5,3.4 **¶13682121**
ISCJB VI 27 07 34 04.5–.75 35.41N–.05 140.22E–.09 50–6 3.3b,3.4
JMA VI 27 07 34 04.8–.10 35.50N 140.21E 42–1 2.7,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=18.7km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=6.0km az=151.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA VI 27 18 48 11.0–.10 37.04N 141.19E 70–1 3.6
NIED VI 27 18 48 00 37.00N 141.20E 47 3.2W **¶14494754**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s273.00000°,δ83.00000°,λ-58.00000°. NP2:ϕ_s14.00000°,δ33.00000°,λ-167.00000°. Principal axes: T Plg31.0000°,Azm337.0000°; N Plg32.0000°,Azm89.0000°; P Plg43.0000°,Azm214.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ73.00000°,λ-116.00000°. NP2:ϕ_s256.00000°,δ31.00000°,λ-35.00000°. $M_0$7.67000×10^{13}
JMA VI 28 16 20 33.3–.10 38.90N 142.51E 38–2 3.6
NIED VI 28 16 20 00 38.90N 142.50E 65 3.6W **¶14495332**
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s125.00000°,δ77.00000°,λ130.00000°. NP2:ϕ_s229.00000°,δ42.00000°,λ19.00000°. $M_0$2.91000×10^{14}
ISC VI 28 22 00 02.5–2.8 36.61N–.06 141.44E–.09 16–15 20 1-57
IDC VI 28 22 00 02.4–2.6 36.12N 141.30E 0 3.4,3.4b **¶13682218**
ISCJB VI 28 22 00 03.4–1.7 36.62N–.05 141.38E–.10 18–9 3.2b,3.4b
JMA VI 28 22 00 05.1–.10 36.64N 141.26E 46–2 3.2,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=55.6km s-min=27.6km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=7.3km az=26.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VI 30 04 21 50.2–.95 36.98N–.04 141.14E–.07 87–6 3.4b 38 0-57
NIED VI 30 04 21 00 37.00N 141.00E 80 3.5W **¶13682298**
ISCJB VI 30 04 21 49.4–.65 36.98N–.04 141.14E–.07 94–4 3.3b
IDC VI 30 04 21 49.9–2.0 36.97N 141.14E 84–8 3.4,3.3
JMA VI 30 04 21 51.4–.10 37.00N 141.01E 87–1 3.5,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s138.00000°,δ47.00000°,λ-85.00000°. NP2:ϕ_s310.00000°,δ43.00000°,λ-95.00000°. $M_0$2.36000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.8km az=15.8.
IDC Error ellipse: s-maj=39.5km s-min=12.2km az=85.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s310.00000°,δ49.00000°,λ-91.00000°. NP2: ϕ_s132.00000°,δ41.00000°,λ-89.00000°. Principal axes: T Plg4.0000°,Azm41.0000° ; N Plg1.0000°,Azm311.0000°; P Plg86.0000°,Azm207.0000°
ISC VI 30 17 22 48.3–1.0 36.53N–.05 140.50E–.06 101–7 3.6b 30 0-60
ISCJB VI 30 17 22 47.4–.66 36.53N–.04 140.51E–.06 106–4 3.6b **¶15443959**
IDC VI 30 17 22 48.3–1.1 35.10N 137.08E 0 3.8,3.5
JMA VI 30 17 22 49.3–.10 36.53N 140.43E 95–1 3.6,3.5
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=6.1km az=32.0.
IDC Error ellipse: s-maj=22.3km s-min=12.8km az=116.0.
JMA Event type fe.

(229) Off east coast of Honshu.

ISC I 03 04 46 47.2–.32 34.76N–.04 141.77E–.04 29 4.3b,3.9s 234 1-152
NIED I 03 04 46 00 34.70N 142.00E 5 4.6W,3.9s **¶13404561**
JMA I 03 04 46 42.5–.20 34.70N 142.03E 51–4 3.9,3.9s
MOS I 03 04 46 45.9–.83 34.70N 141.63E 33 4.5b,3.9s
ISCJB I 03 04 46 45.4–.24 34.69N–.03 141.69E–.03 29 4.4b,3.8s
BJI I 03 04 46 46.9 34.74N 141.50E 30 4.9b,4.4s
IDC I 03 04 46 47.9–4.6 34.75N 141.62E 33–35 4.3,4.2
NEIC I 03 04 46 48.4–.16 34.71N 141.61E 38 4.6W,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ90.00000°,λ106.00000°. NP2:ϕ_s227.00000°,δ16.00000°,λ1.00000°. $M_0$1.06000×10^{16}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=10.9km s-min=6.9km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.5km az=24.5.
IDC Error ellipse: s-maj=15.9km s-min=13.2km az=78.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=4.2km az=68.0. Moment Tensor Solution. $M_0$1.10000×10^{16}
ISC I 04 20 27 39.2–3.2 38.57N–.05 143.1E–.10 2–13 27 1-4
NIED I 04 20 27 00 38.60N 143.20E 26 3.8W **¶14138826**
JMA I 04 20 27 39.1–.10 38.56N 143.18E 12–2 4.0
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ64.00000°,λ92.00000°. NP2:ϕ_s204.00000°,δ26.00000°,λ86.00000°. $M_0$5.41000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC I 05 11 47 27.4–2.0 34.02N–.05 141.31E–.06 13–12 4.0b 50 1-148
NIED I 05 11 47 00 34.00N 141.30E 14 4.2W **¶12080368**
IDC I 05 11 47 25.8–.54 34.09N 141.26E 0 4.2,4.2
JMA I 05 11 47 28.1–.20 34.03N 141.35E 32–3 3.9,4.2
ISCJB I 05 11 47 28.2–.99 34.02N–.04 141.34E–.05 30–6 4.0b,4.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s87.00000°,δ70.00000°,λ-83.00000°. NP2:ϕ_s248.00000°,δ21.00000°,λ-108.00000°. $M_0$2.59000×10^{15}
ISCJB Event type ke.
ISC I 05 13 07 27.8–1.4 33.75N–.05 141.15E–.07 41–12 4.5b,3.5s 132 1-92
NIED I 05 13 07 00 33.70N 141.20E 41 4.5W,3.5s **¶13404617**
MOS I 05 13 07 24.5–1.0 33.62N 141.22E 33 4.8b,3.5s
JMA I 05 13 07 25.5–.20 33.74N 141.24E 74–3 4.5,3.5s
ISCJB I 05 13 07 26.4–.76 33.66N–.04 141.17E–.06 48–6 4.4b,3.7s
IDC I 05 13 07 27.8–2.6 33.60N 141.06E 41–23 4.5L,4.0
NEIC I 05 13 07 27.1–.94 33.65N 141.22E 38–8 4.8b,4.5W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ78.00000°,λ33.00000°. NP2:ϕ_s230.00000°,δ58.00000°,λ166.00000°. $M_0$6.69000×10^{15}
MOS Error ellipse: s-maj=16.1km s-min=6.8km az=125.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.0km az=0.8.
IDC Error ellipse: s-maj=20.1km s-min=12.2km az=78.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.7km az=75.0. Moment Tensor Solution. $M_0$6.70000×10^{15}
ISC I 05 14 27 25.7–.86 36.68N–.05 142.53E–.07 15 3.7b 37 1-90
NIED I 05 14 27 00 36.70N 142.60E 5 3.8W **¶12080385**
IDC I 05 14 27 23.3–.95 36.63N 142.57E 0 3.9,3.8b
ISCJB I 05 14 27 23.9–.58 36.66N–.04 142.58E–.05 15 3.7b,3.8b
JMA I 05 14 27 24.5–.20 36.66N 142.64E 33 3.9,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s119.00000°,δ64.00000°,λ47.00000°. NP2:ϕ_s3.00000°,δ49.00000°,λ144.00000°. $M_0$6.34000×10^{14}
IDC Error ellipse: s-maj=22.7km s-min=21.0km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.9km az=135.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA I 05 18 40 36.9–.10 38.42N 143.26E 12–3 3.8
NIED I 05 18 40 00 38.40N 143.30E 26 3.5W **¶14139144**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ67.00000°,λ115.00000°. NP2:ϕ_s155.00000°,δ34.00000°,λ45.00000°. $M_0$2.30000×10^{14}
ISC I 05 21 19 26.7–2.0 34.02N–.05 141.38E–.07 0–12 4.1b 79 1-148
IDC I 05 21 19 27.4–.58 34.12N 141.37E 0 4.1,4.0 **¶13404623**
NEIC I 05 21 19 28.3–3.4 34.08N 141.44E 9–21 4.5b,4.0
JMA I 05 21 19 32.3–.30 34.11N 141.14E 26–3 3.4,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=13.9km az=81.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.2km az=75.0.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
ISC I 05 23 52 55.2–.33 37.62N–.03 142.84E–.03 22–1 5.0b,4.7s 658 1-145
NIED I 05 23 52 00 37.60N 143.00E 23 4.9W,4.7s **¶13404625**
ISCJB I 05 23 52 52.9–.73 37.64N–.02 142.86E–.02 15–4 4.9b,4.7s
BJI I 05 23 52 53.8 37.81N 142.72E 18 5.1b,5.0b
JMA I 05 23 52 53.5–.10 37.59N 142.97E 45 5.0,5.0b
DJA I 05 23 52 54 37.64N 142.81E 10 5.1b,5.0b
MOS I 05 23 52 56.8–.91 37.89N 142.71E 33 5.2b,4.8s
IDC I 05 23 52 56.0–.50 37.59N 142.83E 28–2 4.6,4.5
NEIC I 05 23 52 56.0–.24 37.64N 142.84E 28 5.1b,4.8W
SZGRF I 05 23 53 11.2 38.43N 142.93E 30 4.8b,4.8W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ65.00000°,λ91.00000°. NP2:ϕ_s203.00000°,δ25.00000°,λ88.00000°. $M_0$2.20000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=162.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=7.8km s-min=4.5km az=111.0.
IDC Error ellipse: s-maj=12.9km s-min=10.5km az=126.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=131.0. Recorded [1 JMA] in Iwate and Miyagi. Moment Tensor Solution. $M_0$2.20000×10^{16}
SZGRF Near east coast of eastern Honshu, Japan.
ISC I 06 09 01 22.7–.73 36.29N–.06 142.51E–.07 15 3.9b 37 1-146
NIED I 06 09 01 00 36.30N 142.50E 17 3.7W **¶12080485**
IDC I 06 09 01 20.4–.95 36.23N 142.54E 0 4.1,3.9b
ISCJB I 06 09 01 21.3–.53 36.30N–.04 142.51E–.04 15 3.8b,3.9b
JMA I 06 09 01 22.8–.10 36.30N 142.53E 69 3.7,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ47.00000°,λ-77.00000°. NP2:ϕ_s330.00000°,δ45.00000°,λ-104.00000°. $M_0$4.12000×10^{14}
IDC Error ellipse: s-maj=26.3km s-min=17.1km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=150.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC I 09 18 23 44.1–1.9 39.17N–.05 144.38E–.10 44–18 3.8b 47 2-77
IDC I 09 18 23 37.9–1.1 38.99N 144.62E 0 4.0L,3.8 **¶12080871**
ISCJB I 09 18 23 42.9–.88 39.19N–.03 144.39E–.06 53–9 4.1b,3.8s
JMA I 09 18 23 45.5–.20 39.18N 144.22E 51 4.1,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=20.4km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.9km az=25.0.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
JMA I 10 14 44 32.0–.30 40.30N 144.88E 44 3.5
¶15530352
JMA Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0.
ISC I 10 17 11 54.9–2.2 37.06N–.07 142.03E–.09 19–5 3.5b 21 1-46
JMA I 10 17 11 53.4–.10 36.99N 142.13E 18–2 3.5 **¶15530388**
IDC I 10 17 12 08.0–3.9 34.56N 137.18E 0 3.5b,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=70.5km s-min=34.8km az=164.0.
JMA I 16 20 08 20.7–.30 34.01N 142.66E 0 3.5
¶15532058
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISC I 19 00 58 22.4–2.1 33.33N–.07 141.01E–.09 29–15 3.6b 29 1-93
IDC I 19 00 58 18.0–.75 33.22N 141.15E 0 3.9L,3.8 **¶12081689**
JMA I 19 00 58 23.3–.10 33.48N 140.96E 53–5 3.5,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=16.3km az=75.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC I 19 11 13 57.1–.38 34.71N–.03 141.74E–.03 19–1 5.0b,4.4s 835 1-159
NIED I 19 11 13 00 34.70N 141.80E 20 4.9W,4.4s **¶13405842**
BJI I 19 11 13 53.0 34.63N 142.01E 23 5.0b,4.7s
IDC I 19 11 13 53.9–.37 34.64N 141.66E 0 5.0,4.9
JMA I 19 11 13 56.7–.20 34.68N 141.80E 43–3 4.9,4.9
MOS I 19 11 13 57.4–.99 34.67N 141.66E 33 5.2b,4.4s
ISCJB I 19 11 13 57.0–.82 34.64N–.03 141.63E–.02 28–5 5.0b,4.4s
SZGRF I 19 11 13 58.3 34.08N 139.48E 33 5.2b,4.4s
NEIC I 19 11 13 59.7–.62 34.61N 141.63E 40–5 5.0b,4.8W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ57.00000°,λ-69.00000°. NP2:ϕ_s329.00000°,δ38.00000°,λ-118.00000°. $M_0$2.19000×10^{16}
IDC Error ellipse: s-maj=12.0km s-min=10.0km az=92.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=8.3km s-min=4.6km az=117.4.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=1.8.
SZGRF Near south coast of eastern Honshu, Japan.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.4km az=151.0. Recorded [1 JMA] in Chiba. Moment Tensor Solution. $M_0$2.20000×10^{16}
IDC I 19 11 14 47.2–.51 34.61N 141.73E 0 4.7,4.7
¶12081746
IDC Error ellipse: s-maj=16.2km s-min=13.5km az=113.0.
ISC I 19 13 54 22.5–2.5 34.63N–.07 141.8E–.10 24–15 23 1-58
ISCJB I 19 13 54 21.1–1.4 34.60N–.05 141.89E–.07 32–9 3.5b **¶12081760**
JMA I 19 13 54 21.2–.20 34.59N 141.88E 41–3 3.2
IDC I 19 13 54 26.7–3.1 33.86N 139.64E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.0km az=144.7.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=163.5km s-min=16.2km az=72.0.
ISC I 19 19 04 28.3–1.5 34.66N–.05 141.75E–.05 28–10 4.4b 162 1-148

NIED I 19 19 04 00 34.60N 141.90E 14 4.1W ¶13405851
IDC I 19 19 04 24.2–.52 34.63N 141.76E 0 4.3,4.3
JMA I 19 19 04 26.3–.20 34.64N 141.86E 43–3 4.4,4.3
ISCJB I 19 19 04 26.6–1.1 34.64N–.04 141.78E–.04 29–7 4.4b,3.7s
NEIC I 19 19 04 28.6–2.4 34.62N 141.70E 31–16 4.8b,4.1W
MOS I 19 19 04 30.0–1.1 35.15N 141.66E 33 4.7b,4.1W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ59.00000°,λ-94.00000°. NP2:ϕ_s347.00000°,δ31.00000°,λ-83.00000°. $M_0$1.70000×10^{15}
IDC Error ellipse: s-maj=15.0km s-min=14.3km az=77.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=5.0km az=7.6.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.6km az=61.0. Moment Tensor Solution. $M_0$1.70000×10^{15}
MOS Error ellipse: s-maj=11.3km s-min=7.6km az=113.4.
ISC I 20 01 14 10.6–2.5 38.61N–.05 143.07E–.09 4–13 3.7b 30 1-59
NIED I 20 01 14 00 38.60N 143.20E 23 3.8W ¶12081818
IDC I 20 01 14 08.4–2.5 38.65N 143.46E 0 3.8,3.7b
ISCJB I 20 01 14 10.2–1.7 38.57N–.04 143.25E–.07 17–12 3.7b,3.7b
JMA I 20 01 14 10.8–.10 38.57N 143.16E 14–3 3.9,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ63.00000°,λ86.00000°. NP2:ϕ_s212.00000°,δ27.00000°,λ97.00000°. $M_0$5.67000×10^{14}
IDC Error ellipse: s-maj=65.2km s-min=27.0km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=7.1km az=6.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC I 20 16 10 36.0–1.7 33.65N–.09 141.5E–.20 36–5 3.4b 24 1-57
ISCJB I 20 16 10 34.1–1.2 33.65N–.05 141.51E–.09 40–13 3.4b ¶12081876
JMA I 20 16 10 34.2–.30 33.68N 141.49E 53 2.9
IDC I 20 16 10 35.2–4.5 33.16N 140.25E 0 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=8.7km az=170.7.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=178.9km s-min=22.4km az=70.0.
ISC I 21 07 09 29.2–.55 37.84N–.05 142.09E–.07 39–3 4.2b 126 1-150
NIED I 21 07 09 00 37.80N 142.00E 35 4.0W ¶12081956
MOS I 21 07 09 26.4–.99 37.79N 142.12E 33 4.5b
ISCJB I 21 07 09 27.9–.88 37.82N–.04 142.10E–.07 45–6 4.2b,3.0s
JMA I 21 07 09 28.3–.10 37.80N 142.03E 36–2 4.1,3.0s
NEIC I 21 07 09 30.1–.86 37.77N 142.05E 48–7 4.5b,4.0W
IDC I 21 07 09 30.2–2.2 37.75N 142.00E 50–20 4.0,3.9
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s40.00000°,δ72.00000°,λ93.00000°. NP2:ϕ_s209.00000°,δ18.00000°,λ80.00000°. $M_0$1.33000×10^{15}
MOS Error ellipse: s-maj=10.7km s-min=8.1km az=111.3.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.4km az=33.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=6.7km az=138.0. Recorded [2 JMA] in Miyagi and [1 JMA] in Fukushima and Iwate. Moment Tensor Solution. $M_0$1.30000×10^{15}
IDC Error ellipse: s-maj=16.8km s-min=15.3km az=123.0.
ISC I 23 10 38 43.3–2.7 36.34N–.05 142.20E–.07 14–17 3.7b 30 1-56
IDC I 23 10 38 41.1–1.9 36.27N 142.39E 0 3.9,3.8b ¶12082114
ISCJB I 23 10 38 42.5–1.6 36.32N–.03 142.29E–.08 23–12 3.6b,3.8b
JMA I 23 10 38 43.7–.30 36.33N 142.20E 74 3.2,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=49.7km s-min=21.7km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.4km az=12.1.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC I 23 21 53 43.0–1.1 37.18N–.05 142.74E–.09 56–15 36 2-61
ISCJB I 23 21 53 43.5–.86 37.19N–.04 142.58E–.09 82–12 3.5b ¶12082165
IDC I 23 21 53 43.7–2.9 37.11N 142.74E 59–33 4.7L,3.8
JMA I 23 21 53 45.4–.20 37.22N 142.51E 67 4.3,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=5.5km az=14.4.
IDC Error ellipse: s-maj=29.1km s-min=21.3km az=143.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA I 24 00 54 03.7–.30 36.05N 143.75E 74 3.5 ¶15534485
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC I 24 07 53 27.7–3.9 37.29N–.08 142.1E–.10 9–29 3.4b 17 1-49
NIED I 24 07 53 00 37.20N 142.20E 32 3.5W ¶12082201
IDC I 24 07 53 26.5–5.4 37.18N 142.36E 0 3.5,3.4b
JMA I 24 07 53 27.5–.30 37.17N 142.19E 31–5 3.6,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ60.00000°,λ77.00000°. NP2:ϕ_s174.00000°,δ32.00000°,λ112.00000°. $M_0$1.68000×10^{14}
IDC Error ellipse: s-maj=133.6km s-min=27.8km az=159.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC I 25 10 45 39.6–.47 40.47N–.04 144.93E–.04 34–1 4.5b,3.8s 247 2-146
NIED I 25 10 45 00 40.40N 144.90E 5 4.1W,3.8s ¶13433997
ISCJB I 25 10 45 35.7–1.0 40.49N–.03 144.86E–.03 17–7 4.4b,3.7s
JMA I 25 10 45 36.6–.30 40.45N 144.93E 48 4.6,3.7s
MOS I 25 10 45 37.8–1.1 40.46N 144.95E 33 4.7b,3.7s
BJI I 25 10 45 37.9 40.68N 145.06E 36 5.1b,4.6b
SZGRF I 25 10 45 38.9 39.80N 144.44E 33 4.6b,4.6b
IDC I 25 10 45 39.4–4.4 40.41N 144.93E 33–33 4.2,4.2
NEIC I 25 10 45 39.9–.24 40.44N 144.94E 35 4.5b,4.1W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ57.00000°,λ-86.00000°. NP2:ϕ_s206.00000°,δ33.00000°,λ-96.00000°. $M_0$1.74000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.8km az=147.3.
JMA Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0.
MOS Error ellipse: s-maj=9.0km s-min=5.9km az=95.9.
SZGRF Off east coast of Honshu, Japan.
IDC Error ellipse: s-maj=14.6km s-min=12.2km az=140.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=155.0. Moment Tensor Solution. $M_0$1.70000×10^{15}
ISC I 25 14 50 41.4–.53 37.75N–.04 144.71E–.06 10 4.2b 84 3-144
NIED I 25 14 50 00 37.70N 144.60E 11 4.1W ¶13434001
IDC I 25 14 50 39.3–.60 37.49N 144.97E 0 4.2,4.2
ISCJB I 25 14 50 40.6–.44 37.78N–.04 144.68E–.04 10 4.0b,3.3s
JMA I 25 14 50 43.7–.20 37.67N 144.62E 46 4.5,3.3s
MOS I 25 14 50 43.0–1.2 37.62N 144.82E 33 4.3b,3.3s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s217.00000°,δ55.00000°,λ-97.00000°. NP2:ϕ_s49.00000°,δ36.00000°,λ-80.00000°. $M_0$1.47000×10^{15}
IDC Error ellipse: s-maj=16.5km s-min=13.9km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=167.2.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=13.7km s-min=9.1km az=106.9.
ISC I 25 17 07 54.6–.73 34.64N–.06 141.76E–.07 21–7 4.2b 98 1-148
NIED I 25 17 07 00 34.60N 141.90E 11 3.9W ¶12082320
IDC I 25 17 07 51.3–.69 34.61N 141.78E 0 4.2,4.2
JMA I 25 17 07 52.6–.30 34.63N 141.91E 42–3 4.0,4.2
ISCJB I 25 17 07 54.4–.86 34.59N–.05 141.73E–.06 36–6 4.3b,4.2
NEIC I 25 17 07 56.5–.90 34.55N 141.68E 39–8 4.8b,3.9W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s325.00000°,δ69.00000°,λ45.00000°. NP2:ϕ_s215.00000°,δ48.00000°,λ151.00000°. $M_0$9.15000×10^{14}
IDC Error ellipse: s-maj=19.0km s-min=13.7km az=170.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=7.4km az=150.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.4km az=179.0. Moment Tensor Solution. $M_0$9.20000×10^{14}
ISC II 01 09 32 48.1–.35 37.94N–.03 142.40E–.03 30–1 5.2b,4.8s 1206 1-156
IDC II 01 09 32 43.0–.37 37.91N 142.39E 0 5.2,5.2 ¶15537483
JMA II 01 09 32 45.8–.20 37.87N 142.50E 33–2 5.2,5.2
MOS II 01 09 32 46.6–.76 38.10N 142.38E 27 5.4b,4.9s
ISCJB II 01 09 32 46.3–.64 37.89N–.02 142.43E–.02 30–4 5.2b,4.8s
BJI II 01 09 32 47.2 37.85N 142.13E 31 5.2b,5.1b
NEIC II 01 09 32 48.7–.43 37.88N 142.40E 38–3 5.1b,5.0W
SZGRF II 01 09 32 50.3 38.42N 143.34E 33 5.3b,5.0s
NIED II 01 09 33 00 37.90N 142.60E 26 5.0W,5.0s
DJA II 01 09 33 06 38.08N 142.51E 216 5.0b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=10.8km s-min=7.8km az=122.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=6.2km s-min=4.2km az=106.1.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.2km az=166.1.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=147.0. Felt at Ogawara. Recorded [2 JMA] in Fukushima, Iwate and Miyagi; [1 JMA] in Ibaraki, Tochigi and Yamagata. Moment Tensor Solution. $M_0$3.40000×10^{16}
SZGRF Off east coast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ62.00000°,λ103.00000°. NP2:ϕ_s180.00000°,δ31.00000°,λ66.00000°. $M_0$3.41000×10^{16}
ISC II 01 10 23 50.8–2.3 37.84N–.06 142.45E–.07 12–13 3.9b 55 1-89
NIED II 01 10 23 00 37.90N 142.50E 26 3.8W ¶15537492
IDC II 01 10 23 48.8–.80 37.82N 142.51E 0 4.0,3.9
JMA II 01 10 23 52.6–.20 37.88N 142.47E 36–2 4.0,3.9
NEIC II 01 10 23 55.5–1.3 37.87N 142.59E 48–11 4.1b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ60.00000°,λ110.00000°. NP2:ϕ_s173.00000°,δ36.00000°,λ59.00000°. $M_0$5.70000×10^{14}
IDC Error ellipse: s-maj=23.0km s-min=17.8km az=91.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=10.1km az=124.0.
ISC II 02 03 02 46.9–.77 40.31N–.04 143.88E–.06 26–4 4.3b,3.6s 150 2-86
NIED II 02 03 02 00 40.30N 143.80E 11 4.3W,3.6s ¶12699381
IDC II 02 03 02 43.1–.66 40.27N 143.93E 0 4.1,4.0
JMA II 02 03 02 44.4–.30 40.31N 143.85E 19–5 4.3,4.0
BJI II 02 03 02 44.5 40.31N 143.60E 12 4.9b,4.5b
ISCJB II 02 03 02 44.3–1.1 40.31N–.02 143.89E–.04 21–7 4.2b,3.7s
NEIC II 02 03 02 45.8–2.4 40.32N 143.88E 16–14 4.6b,4.3W
MOS II 02 03 02 45.3–.78 40.28N 143.87E 29 4.6b,4.3W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ69.00000°,λ121.00000°. NP2:ϕ_s160.00000°,δ37.00000°,λ37.00000°. $M_0$2.95000×10^{15}
IDC Error ellipse: s-maj=17.9km s-min=14.2km az=135.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.1km az=30.5.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.3km az=119.0. Moment Tensor Solution. $M_0$3.00000×10^{15}
MOS Error ellipse: s-maj=10.2km s-min=6.9km az=110.7.
ISC II 03 15 22 44.0–2.8 38.48N–.07 143.15E–.09 5–15 3.6b 25 1-74
NIED II 03 15 22 00 38.40N 143.20E 26 3.9W ¶12699475
JMA II 03 15 22 44.5–.10 38.44N 143.21E 18–3 4.3
IDC II 03 15 23 00.5–3.2 38.12N 142.22E 122–28 3.4,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ62.00000°,λ95.00000°. NP2:ϕ_s192.00000°,δ29.00000°,λ82.00000°. $M_0$7.23000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=29.7km s-min=17.5km az=78.0.
ISC II 05 07 52 50.0–3.0 36.97N–.07 142.13E–.08 7–16 3.6b 24 1-49
JMA II 05 07 52 49.5–.10 36.85N 142.18E 13–2 3.4 ¶12699581
IDC II 05 07 52 49.3–3.8 37.03N 142.09E 0 3.6,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=81.9km s-min=28.3km az=156.0.
ISC II 05 12 41 47.6–2.6 39.64N–.05 143.3E–.10 18–11 3.5b 29 1-64
NIED II 05 12 41 00 39.60N 143.30E 23 3.7W ¶12699597
JMA II 05 12 41 46.8–.10 39.64N 143.32E 24–3 3.9
IDC II 05 12 42 03.7–3.7 39.11N 142.19E 133–33 3.2,3.0
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ72.00000°,λ103.00000°. NP2:ϕ_s172.00000°,δ22.00000°,λ55.00000°. $M_0$3.46000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=32.5km s-min=20.6km az=79.0.
ISC II 09 15 12 13.3–3.6 37.24N–.06 142.26E–.07 17–23 3.7b 28 1-69
IDC II 09 15 12 11.5–1.0 37.13N 142.40E 0 3.8b,3.8 ¶12699851
ISCJB II 09 15 12 12.4–1.5 37.27N–.05 142.38E–.06 14–10 3.7b,3.8
JMA II 09 15 12 13.8–.20 37.24N 142.31E 30 4.1,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=28.1km s-min=19.1km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=7.0km az=143.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC II 09 18 29 02.5–.73 39.54N–.05 144.63E–.06 23 3.5b 62 2-74
MOS II 09 18 28 59.7–1.3 39.49N 144.72E 21 4.3b ¶12699863
IDC II 09 18 28 59.0–.79 39.39N 144.73E 0 3.8,3.8
ISCJB II 09 18 29 00.9–.50 39.60N–.03 144.54E–.04 23 3.6b,3.1s
NIED II 09 18 29 00 39.60N 144.50E 32 3.9W,3.1s
JMA II 09 18 29 03.7–.20 39.63N 144.45E 46 4.0,3.1s
ISC Event type ke.
MOS Error ellipse: s-maj=21.1km s-min=11.1km az=82.8.
IDC Error ellipse: s-maj=22.4km s-min=17.0km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=41.3.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ71.00000°,λ151.00000°. NP2:ϕ_s136.00000°,δ62.00000°,λ22.00000°. $M_0$6.84000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISC II 14 17 11 14.8–.54 36.32N–.05 142.60E–.06 15 4.1b 85 2-90
NIED II 14 17 11 00 36.40N 142.50E 8 3.9W ¶12700686
IDC II 14 17 11 12.6–.62 36.19N 142.60E 0 4.1,4.0
ISCJB II 14 17 11 13.6–.41 36.36N–.04 142.56E–.04 15 4.0b,4.0
JMA II 14 17 11 16.2–.20 36.37N 142.50E 67 3.7,4.0
NEIC II 14 17 11 17.5–.57 36.28N 142.59E 35 4.4b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ28.00000°,λ40.00000°. NP2: ϕ_s237.00000°,δ72.00000°,λ112.00000°. $M_0$8.63000×10^{14}
IDC Error ellipse: s-maj=16.2km s-min=14.0km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.0km az=152.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.4km az=139.0.
ISC II 15 12 54 13.3–2.7 37.72N–.05 142.15E–.07 24–18 4.0b 76 1-89
NIED II 15 12 54 00 37.70N 142.10E 32 3.9W ¶12700794
ISCJB II 15 12 54 12.4–.77 37.69N–.03 142.26E–.05 33–7 4.0b
JMA II 15 12 54 13.1–.10 37.70N 142.14E 33–2 4.5
NEIC II 15 12 54 13.1 37.70N 142.14E 33 4.5b,3.9W
IDC II 15 12 54 15.3–2.4 37.67N 142.22E 39–22 3.9,3.8L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ84.00000°,λ-93.00000°. NP2:ϕ_s173.00000°,δ7.00000°,λ-66.00000°. $M_0$8.38000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.6km az=19.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Recorded [1 JMA] in Miyagi. After JMA. Moment Tensor Solution. $M_0$8.40000×10^{14}
IDC Error ellipse: s-maj=17.7km s-min=12.5km az=113.0.
ISC II 17 11 57 24.5–3.4 37.22N–.05 142.25E–.08 9–22 3.4b 25 1-57
NIED II 17 11 57 00 37.20N 142.20E 26 3.5W ¶12701003
IDC II 17 11 57 22.1–2.2 37.23N 142.60E 0 3.6,3.6
JMA II 17 11 57 27.3–.20 37.23N 142.20E 36 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ73.00000°,λ49.00000°. NP2:ϕ_s266.00000°,δ44.00000°,λ155.00000°. $M_0$2.02000×10^{14}
IDC Error ellipse: s-maj=44.3km s-min=27.6km az=66.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC II 19 19 00 44.5–.52 40.44N–.04 143.82E–.04 26–2 5.0b,4.5s 508 2-154
NIED II 19 19 00 00 40.40N 143.80E 14 4.8W,4.5s ¶13434874
BJI II 19 19 00 40.8 40.39N 143.62E 10 5.1b,5.0b
IDC II 19 19 00 40.8–.52 40.40N 143.76E 0 4.5,4.5
ISCJB II 19 19 00 40.4–.91 40.44N–.02 143.77E–.03 7–5 4.8b,4.5s
NEIC II 19 19 00 42.5–1.6 40.42N 143.72E 10–9 5.2b,4.8W
JMA II 19 19 00 42.4–.20 40.42N 143.80E 27 4.8,4.8W
MOS II 19 19 00 45.6–1.0 40.57N 143.53E 33 5.2b,4.7s

SZGRF II 19 19 01 01.6 42.37N 143.27E 31 4.7b,4.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ74.00000°,λ121.00000°. NP2:ϕ_s152.00000°,δ34.00000°,λ29.00000°. $M_0$1.65000×10^{16}
IDC Error ellipse: s-maj=14.3km s-min=11.8km az=140.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=144.5.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=127.0. Recorded [1 JMA] in Aomori and Iwate. Moment Tensor Solution. $M_0$1.70000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=7.8km s-min=4.3km az=111.5.
SZGRF Hokkaido, Japan, region.

ISC II 25 05 12 05.4–.57 33.04N–.05 142.60E–.07 33 3.9b 77 2-92
NIED II 25 05 12 00 33.10N 142.50E 5 4.0W **¶12701809**
IDC II 25 05 12 01.2–.70 32.88N 142.62E 0 4.1L,4.0
NEIC II 25 05 12 02.5–.50 32.96N 142.64E 10 4.4b,3.9W
ISCJB II 25 05 12 03.9–.45 33.04N–.04 142.55E–.05 33 3.9b,3.0s
JMA II 25 05 12 05.4–.30 33.10N 142.49E 66 4.3,3.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ76.00000°,λ-32.00000°. NP2:ϕ_s287.00000°,δ59.00000°,λ-163.00000°. $M_0$1.02000×10^{15}
IDC Error ellipse: s-maj=18.7km s-min=15.2km az=64.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.6km az=69.0. Moment Tensor Solution. $M_0$1.00000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.1km az=142.0.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.

ISC III 01 13 56 27.7–1.2 38.74N–.05 143.24E–.05 31–8 4.3b,3.7s 155 1-88
NIED III 01 13 56 00 38.60N 143.30E 17 4.2W,3.7s **¶12702194**
IDC III 01 13 56 22.7–.61 38.64N 143.22E 0 4.1,4.1
JMA III 01 13 56 25.4–.20 38.63N 143.26E 32 4.2,4.1
ISCJB III 01 13 56 25.9–1.3 38.65N–.04 143.26E–.04 33–8 4.3b,3.6s
MOS III 01 13 56 25.8–.97 38.66N 143.30E 33 4.4b,3.6s
NEIC III 01 13 56 28.4–.73 38.68N 143.27E 39–5 4.5b,4.2W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ68.00000°,λ82.00000°. NP2:ϕ_s212.00000°,δ23.00000°,λ108.00000°. $M_0$2.37000×10^{15}
IDC Error ellipse: s-maj=18.9km s-min=15.1km az=95.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.6km az=137.1.
MOS Error ellipse: s-maj=9.3km s-min=6.5km az=97.3.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.9km az=125.0. Moment Tensor Solution. $M_0$2.40000×10^{15}

ISC III 05 17 18 45.9–1.4 40.43N–.07 143.87E–.10 16 3.5b 22 2-46
IDC III 05 17 18 38.7–6.7 40.28N 144.71E 0 3.4b,3.4 **¶12702504**
ISCJB III 05 17 18 44.8–.92 40.47N–.06 143.87E–.09 16 3.3b,3.4
JMA III 05 17 18 44.6–.30 40.48N 143.79E 12–4 3.3,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=115.5km s-min=40.7km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=4.2km az=35.6.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

JMA III 13 08 22 14.2–.30 37.44N 144.80E 62 3.9
¶15551701
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.

ISC III 18 00 30 30.2–2.8 36.68N–.05 142.10E–.05 5–16 3.9b 81 1-90
NIED III 18 00 30 00 36.70N 142.20E 23 4.1W **¶12703550**
ISCJB III 18 00 30 28.2–1.4 36.70N–.04 142.27E–.04 7–9 3.9b,3.7s
JMA III 18 00 30 29.8–.30 36.69N 142.21E 18–4 4.0,3.7s
NEIC III 18 00 30 35.6–1.1 36.75N 141.95E 38–9 4.3b,3.7s
IDC III 18 00 30 35.1–4.2 36.70N 141.97E 33–32 4.0L,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ70.00000°,λ81.00000°. NP2:ϕ_s224.00000°,δ22.00000°,λ113.00000°. $M_0$1.61000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.4km az=176.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.8km az=146.0.
IDC Error ellipse: s-maj=16.7km s-min=14.6km az=126.0.

ISC III 21 21 27 14.2–3.8 36.29N–.05 142.2E–.10 8–26 3.3b 23 1-56
IDC III 21 21 27 13.3–2.5 36.25N 142.31E 0 3.4,3.3L **¶12635221**
JMA III 21 21 27 16.7–.20 36.36N 142.17E 72 2.7,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=58.3km s-min=25.4km az=71.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

ISC III 22 22 02 16.3–2.6 34.19N–.05 141.59E–.08 16–15 3.6b 24 1-148
IDC III 22 22 02 14.0–.87 34.26N 141.76E 0 3.8L,3.8 **¶12635331**
JMA III 22 22 02 14.3–.40 34.15N 141.80E 24–3 3.2,3.8
ISCJB III 22 22 02 16.7–1.2 34.22N–.05 141.70E–.09 35–11 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.

ISC III 23 16 28 19.0–1.5 35.75N–.06 143.1E–.10 35 3.4b 24 2-60
IDC III 23 16 28 13.2–2.6 35.74N 143.39E 0 3.4,3.3 **¶12635399**
ISCJB III 23 16 28 17.1–.97 35.75N–.05 143.09E–.07 33 3.4b,3.1s
JMA III 23 16 28 18.6–.30 35.75N 142.92E 91 3.0,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=70.4km s-min=24.9km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=7.0km az=178.6.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

ISC III 25 01 04 45.6–.76 35.66N–.06 142.86E–.07 59 3.5b 27 2-90
IDC III 25 01 04 37.8–.78 35.57N 143.17E 0 3.9,3.8 **¶12635505**
JMA III 25 01 04 41.6–.20 35.73N 143.00E 57 3.8,3.8
ISCJB III 25 01 04 43.9–.61 35.70N–.05 142.85E–.05 59 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.

ISC III 25 22 28 38.7–3.5 34.07N–.06 141.65E–.09 9–23 3.7b 22 1-54
IDC III 25 22 28 37.3–1.3 34.08N 141.74E 0 3.8,3.6b **¶12635592**
JMA III 25 22 28 39.2–.50 34.11N 141.74E 27–3 3.5,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=23.5km az=93.0.
JMA Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.

ISC III 27 09 48 55.9–.49 35.62N–.05 143.06E–.05 26–3 4.2b 120 2-90
NIED III 27 09 48 00 35.70N 143.00E 5 4.3W **¶12635693**
IDC III 27 09 48 51.7–.68 35.53N 143.10E 0 4.2,4.1b
ISCJB III 27 09 48 53.3–1.4 35.66N–.04 143.02E–.04 19–9 4.3b,4.0s
MOS III 27 09 48 54.1–.80 35.52N 143.12E 28 4.5b,4.0s
NEIC III 27 09 48 55.9–.38 35.61N 143.10E 26 4.6b,4.2W
JMA III 27 09 48 55.1–.30 35.68N 143.02E 78 4.0,4.2W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s172.00000°,δ59.00000°,λ-109.00000°. NP2:ϕ_s26.00000°,δ36.00000°,λ-61.00000°. $M_0$2.72000×10^{15}
IDC Error ellipse: s-maj=18.0km s-min=17.0km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=5.4km az=150.4.
MOS Error ellipse: s-maj=14.3km s-min=8.1km az=119.5.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.8km az=195.0. Moment Tensor Solution. $M_0$2.70000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.

ISC III 27 12 36 20.7–.76 36.31N–.06 142.65E–.07 15 3.5b 30 2-146
IDC III 27 12 36 18.7–.83 36.27N 142.74E 0 3.8,3.7L **¶12635699**
ISCJB III 27 12 36 19.2–.61 36.32N–.05 142.64E–.05 15 3.6b,3.7L
JMA III 27 12 36 21.3–.20 36.34N 142.62E 70 3.4,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=19.0km az=104.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.8km az=168.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC III 28 03 34 57.6–1.1 35.81N–.07 142.95E–.07 35 3.4b 31 2-75
JMA III 28 03 34 54.7–.30 35.75N 142.92E 87 3.2 **¶12635739**
ISCJB III 28 03 34 55.7–.79 35.84N–.05 142.94E–.05 33 3.5b
IDC III 28 03 34 55.3–.99 36.28N 143.02E 0 3.7,3.6
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.6km az=148.7.
IDC Error ellipse: s-maj=24.5km s-min=22.0km az=128.0.

ISC III 30 01 17 07.0–1.5 40.13N–.04 144.97E–.08 31–18 3.5b 33 2-67
NIED III 30 01 17 00 40.20N 144.80E 8 3.7W **¶12635900**
IDC III 30 01 17 02.0–1.4 40.00N 145.19E 0 3.9,3.7b
ISCJB III 30 01 17 06.2–.87 40.16N–.03 144.90E–.06 44–12 3.5b,3.7b
JMA III 30 01 17 07.2–.20 40.17N 144.82E 43 3.8,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ51.00000°,λ-66.00000°. NP2:ϕ_s22.00000°,δ45.00000°,λ-116.00000°. $M_0$4.25000×10^{14}
IDC Error ellipse: s-maj=35.5km s-min=25.7km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.4km az=31.4.
JMA Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0.

ISC III 31 01 32 03.5–3.1 34.04N–.06 141.7E–.10 6–15 3.4b 20 1-54
IDC III 31 01 32 02.5–2.2 34.02N 141.77E 0 3.6s,3.6 **¶12635998**
ISCJB III 31 01 32 03.3–1.7 34.08N–.06 141.8E–.10 22–9 3.4s,3.3b
JMA III 31 01 32 03.0–.30 34.07N 141.86E 26–4 3.0,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=25.5km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=8.8km az=156.6.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.

ISC III 31 09 40 22.4–1.9 37.65N–.08 144.5E–.10 51–29 3.6b 17 3-62
IDC III 31 09 40 18.9–1.3 38.14N 144.45E 0 3.5,3.4b **¶12636018**
ISCJB III 31 09 40 20.4–.94 37.71N–.04 144.54E–.07 56–15 3.6b,3.4b
JMA III 31 09 40 22.2–.10 37.74N 144.41E 40 4.2,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=26.7km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.3km az=20.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC III 31 10 21 14.1–1.5 38.68N–.07 143.6E–.10 15 3.5b 27 2-59
NIED III 31 10 21 00 38.60N 143.60E 14 3.5W **¶12636022**
IDC III 31 10 21 09.9–2.0 38.48N 143.92E 0 3.6,3.5b
JMA III 31 10 21 14.8–.20 38.60N 143.62E 38 3.5,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ85.00000°,λ146.00000°. NP2:ϕ_s98.00000°,δ56.00000°,λ6.00000°. $M_0$1.78000×10^{14}
IDC Error ellipse: s-maj=43.6km s-min=26.8km az=76.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISC IV 01 01 36 35.9–.82 35.70N–.05 142.84E–.07 59 3.5b 31 2-90
IDC IV 01 01 36 28.9–.83 35.53N 143.10E 0 3.8,3.7 **¶12934268**
JMA IV 01 01 36 32.3–.30 35.70N 142.91E 99 3.3,3.7
ISCJB IV 01 01 36 33.4–.69 35.76N–.04 142.94E–.06 59 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.

ISC IV 01 01 50 40.1–3.3 35.61N–.05 142.98E–.06 2–20 4.2b 86 2-119
NIED IV 01 01 50 00 35.70N 142.90E 5 4.0W **¶12934267**
IDC IV 01 01 50 39.8–.65 35.54N 143.06E 0 4.2,4.1
JMA IV 01 01 50 43.2–.20 35.71N 142.91E 96 3.7,4.1
NEIC IV 01 01 50 44.1–3.2 35.50N 143.08E 29–21 4.5b,4.0W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ67.00000°,λ-96.00000°. NP2:ϕ_s14.00000°,δ24.00000°,λ-77.00000°. $M_0$1.18000×10^{15}
IDC Error ellipse: s-maj=16.9km s-min=15.3km az=141.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.6km az=129.0. Moment Tensor Solution. $M_0$1.20000×10^{15}

ISC IV 02 00 18 03.5–3.6 35.61N–.05 143.00E–.06 8–23 3.8b 42 2-85
IDC IV 02 00 18 02.3–.72 35.55N 143.07E 0 3.9,3.9 **¶12934351**
JMA IV 02 00 18 05.9–.20 35.69N 142.93E 84 3.3,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=16.9km az=143.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC IV 02 19 11 36.1–3.7 35.76N–.05 143.01E–.05 27–25 4.1b,3.2s 100 2-153
NIED IV 02 19 11 00 35.70N 143.10E 5 4.1W,3.2s **¶12934297**
ISCJB IV 02 19 11 33.1–1.4 35.75N–.03 143.01E–.04 20–10 4.1b,3.3s
JMA IV 02 19 11 33.8–.20 35.71N 143.06E 56 4.0,3.3s
NEIC IV 02 19 11 34.7–2.2 35.58N 143.12E 21–14 4.5b,4.1W
MOS IV 02 19 11 34.3–1.2 35.72N 143.14E 33 4.3b,4.1W
IDC IV 02 19 11 36.1–6.1 35.55N 143.10E 30–43 4.0,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ59.00000°,λ-105.00000°. NP2:ϕ_s26.00000°,δ34.00000°,λ-67.00000°. $M_0$1.82000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.9km az=152.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.3km az=140.0. Moment Tensor Solution. $M_0$1.80000×10^{15}
MOS Error ellipse: s-maj=10.8km s-min=7.2km az=115.4.
IDC Error ellipse: s-maj=17.3km s-min=15.0km az=112.0.

JMA IV 03 18 42 32.7–.20 38.27N 144.73E 52 3.8
¶15559123
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISC IV 03 22 08 31.4–.74 35.70N–.04 142.73E–.06 59 3.5b 36 2-81
NIED IV 03 22 08 00 35.60N 142.90E 5 3.7W **¶12934366**
IDC IV 03 22 08 24.1–.85 35.54N 143.11E 0 3.8,3.7
JMA IV 03 22 08 27.8–.30 35.63N 142.91E 86 3.5,3.7
ISCJB IV 03 22 08 29.6–.59 35.57N–.05 142.82E–.05 59 3.5b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ55.00000°,λ-92.00000°. NP2:ϕ_s4.00000°,δ35.00000°,λ-87.00000°. $M_0$3.77000×10^{14}
ISCJB Event type ke.

ISC IV 04 02 50 39.0–.64 35.68N–.05 142.79E–.06 59 3.8b 47 2-146
IDC IV 04 02 50 31.1–.70 35.57N 143.08E 0 4.0,3.9 **¶12934516**
JMA IV 04 02 50 34.8–.30 35.65N 142.95E 69 3.4,3.9
ISCJB IV 04 02 50 37.3–.51 35.68N–.04 142.77E–.05 59 3.8b,3.1s
ISC Event type ke.
ISCJB Event type ke.

ISC IV 05 01 29 15.6–1.0 40.23N–.04 144.50E–.05 31–7 3.9b 129 2-94
NIED IV 05 01 29 00 40.20N 144.40E 26 4.0W **¶13437945**
IDC IV 05 01 29 11.5–.72 40.25N 144.58E 0 3.9,3.9
ISCJB IV 05 01 29 12.8–1.1 40.27N–.02 144.38E–.03 21–8 3.9b,3.5s
JMA IV 05 01 29 13.8–.20 40.23N 144.40E 44 4.2,3.5s
MOS IV 05 01 29 13.9–1.3 40.29N 144.64E 33 4.5b,3.5s
NEIC IV 05 01 29 16.8–.45 40.26N 144.47E 34 4.4b,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s147.00000°,δ85.00000°,λ-163.00000°. NP2:ϕ_s56.00000°,δ73.00000°,λ-5.00000°. $M_0$1.26000×10^{15}
IDC Error ellipse: s-maj=18.0km s-min=16.8km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=33.4.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=11.4km s-min=7.2km az=90.7.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.0km az=119.0.

ISC IV 05 21 30 46.1–.99 35.67N–.04 142.94E–.07 59 3.5b 32 2-64
IDC IV 05 21 30 39.6–1.2 35.55N 143.14E 0 3.7,3.6 **¶12934538**
JMA IV 05 21 30 42.8–.20 35.70N 142.95E 89 3.3,3.6
ISCJB IV 05 21 30 44.0–.74 35.70N–.04 142.91E–.06 59 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.

ISC IV 08 09 42 53.7–2.4 33.48N–.06 142.3E–.10 74–42 29 2-54
IDC IV 08 09 42 50.4–2.1 33.56N 142.18E 0 3.6,3.6L **¶12934814**
ISCJB IV 08 09 42 53.7–1.1 33.53N–.04 142.22E–.07 46–14 3.4b,3.6L
JMA IV 08 09 42 53.9–.30 33.55N 142.23E 63 3.3,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=21.6km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=7.1km az=166.3.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.

ISC IV 08 14 42 11.2–.83 37.89N–.05 143.03E–.07 18 3.8b 37 1-74
NIED IV 08 14 42 00 37.90N 143.00E 8 3.6W **¶15561050**
IDC IV 08 14 42 08.1–.87 37.92N 143.24E 0 3.8,3.7
ISCJB IV 08 14 42 09.4–.62 37.90N–.05 143.05E–.07 18 3.7b,3.7
JMA IV 08 14 42 09.5–.30 37.86N 142.96E 22–5 4.0,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s43.00000°,δ68.00000°,λ103.00000°. NP2:ϕ_s191.00000°,δ25.00000°,λ61.00000°. $M_0$2.73000×10^{14}
IDC Error ellipse: s-maj=24.0km s-min=16.1km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.7km az=169.1.

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IV 09 13 12 11.0–.44 35.65N–.05 142.98E–.05 59 4.2b,3.6s 119 2-146
NIED IV 09 13 12 00 35.70N 142.90E 5 4.3W,3.6s ¶12934889
JMA IV 09 13 12 07.7–.30 35.66N 142.95E 89 3.9,3.6s
ISCJB IV 09 13 12 07.9–.38 35.66N–.03 142.99E–.04 37 4.2b,3.5s
MOS IV 09 13 12 09.2–.93 35.89N 142.97E 33 4.8b,3.5s
NEIC IV 09 13 12 09.0–.43 35.48N 143.08E 37 4.6b,4.3W
IDC IV 09 13 12 09.4–.51 35.48N 143.10E 35–3 4.0,3.9L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ63.00000°,λ-86.00000°. NP2:ϕ_s353.00000°,δ27.00000°,λ-98.00000°. $M_0$3.38000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.2km az=160.0.
MOS Error ellipse: s-maj=11.2km s-min=7.3km az=112.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.9km az=146.0. Moment Tensor Solution. $M_0$3.40000×10^{15}
IDC Error ellipse: s-maj=15.2km s-min=11.5km az=127.0.
ISC IV 09 21 26 29.7–1.0 35.66N–.05 142.92E–.08 59 3.6b 34 2-64
NIED IV 09 21 26 00 35.70N 143.00E 5 3.7W ¶12934859
IDC IV 09 21 26 22.6–1.0 35.63N 143.19E 0 3.8,3.7
JMA IV 09 21 26 26.5–.20 35.74N 142.96E 81 3.5,3.7
ISCJB IV 09 21 26 27.8–.70 35.65N–.04 142.88E–.06 59 3.7b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s40.00000°,δ51.00000°,λ-74.00000°. NP2:ϕ_s195.00000°,δ42.00000°,λ-109.00000°. $M_0$4.20000×10^{14}
ISCJB Event type ke.
ISC IV 09 21 57 11.0–1.3 35.73N–.06 142.9E–.10 59 3.4b 24 2-67
IDC IV 09 21 57 03.0–2.6 35.62N 143.17E 0 4.2s,4.1 ¶12934856
JMA IV 09 21 57 07.5–.30 35.77N 142.89E 99 3.3,4.1
ISCJB IV 09 21 57 08.7–.88 35.71N–.06 142.88E–.07 59 4.2s,3.3b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 10 07 04 42.4–2.4 35.67N–.04 143.02E–.06 30–20 3.4b 29 2-64
IDC IV 10 07 04 38.8–1.4 35.41N 143.20E 0 3.5,3.4 ¶12934979
ISCJB IV 10 07 04 41.5–1.0 35.70N–.04 143.02E–.07 46–14 3.3b,3.4
JMA IV 10 07 04 42.1–.20 35.67N 142.97E 79 3.3,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=27.1km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.8km az=15.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IV 10 17 36 35.8–.59 33.27N–.04 141.02E–.06 37–1 4.0b 106 1-149
NIED IV 10 17 36 00 33.30N 141.00E 41 3.9W ¶12934954
ISCJB IV 10 17 36 35.8–.68 33.27N–.03 140.97E–.05 54–5 4.0b,3.9s
JMA IV 10 17 36 35.9–.20 33.33N 141.00E 42 4.0,3.9s
IDC IV 10 17 36 37.8–1.6 33.21N 140.86E 51–14 4.4L,3.8
NEIC IV 10 17 36 38.4–1.2 33.18N 140.87E 59–11 4.3b,3.8
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ86.00000°,λ-146.00000°. NP2:ϕ_s303.00000°,δ56.00000°,λ-4.00000°. $M_0$8.45000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.2km az=1.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=16.6km s-min=11.6km az=83.0.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=7.7km az=78.0. Recorded [1 JMA] on Hachijo-jima.
ISC IV 11 00 43 12.3–2.6 35.65N–.06 143.01E–.05 10–16 3.7b 32 2-81
IDC IV 11 00 43 10.7–.89 35.55N 143.09E 0 3.8,3.7 ¶12935059
ISCJB IV 11 00 43 12.5–1.7 35.68N–.04 143.01E–.05 24–13 3.6b,3.7
JMA IV 11 00 43 13.5–.30 35.64N 143.02E 69 3.3,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=20.5km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.6km az=44.6.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC IV 11 19 16 06.3–.77 37.60N–.06 144.77E–.07 35 3.8b 40 3-119
NIED IV 11 19 16 00 37.50N 144.60E 8 3.7W ¶12935006
IDC IV 11 19 16 00.4–.83 37.38N 144.97E 0 3.9,3.8
ISCJB IV 11 19 16 04.5–.59 37.64N–.04 144.73E–.05 33 3.9b,3.8
JMA IV 11 19 16 06.3–.20 37.54N 144.61E 56 4.2,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ66.00000°,λ-63.00000°. NP2:ϕ_s171.00000°,δ36.00000°,λ-136.00000°. $M_0$4.24000×10^{14}
IDC Error ellipse: s-maj=23.6km s-min=18.3km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.3km az=137.5.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC IV 12 21 41 39.2–2.1 33.56N–.06 141.1E–.10 45–24 25 1-57
ISCJB IV 12 21 41 38.7–1.0 33.58N–.04 141.1E–.10 64–11 3.9b ¶15413479
JMA IV 12 21 41 38.5–.20 33.60N 141.13E 60–5 3.3
IDC IV 12 21 41 39.0–1.4 32.94N 138.69E 0 4.0,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=6.5km az=10.3.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=28.0km s-min=18.4km az=138.0.
JMA IV 15 06 55 53.1–.20 37.22N 143.53E 44 3.5
¶15414273
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IV 20 06 08 51.5–1.5 37.12N–.05 142.1E–.10 36–3 3.5b 22 1-49
NIED IV 20 06 08 00 37.20N 142.00E 32 3.5W ¶15416143
ISCJB IV 20 06 08 50.3–1.2 37.08N–.05 142.12E–.09 43–11 3.4b
JMA IV 20 06 08 51.7–.10 37.17N 142.02E 49–4 3.5
IDC IV 20 06 08 53.5–4.1 36.93N 142.18E 66–45 3.5L,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ69.00000°,λ80.00000°. NP2:ϕ_s261.00000°,δ23.00000°,λ114.00000°. $M_0$1.78000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=7.8km az=1.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=34.2km s-min=30.7km az=90.0.
ISC IV 21 06 35 45.4–3.2 37.4N–.10 142.3E–.10 2–14 3.5b 20 1-46
JMA IV 21 06 35 45.0–.20 37.21N 142.36E 8–2 3.5 ¶12935895
IDC IV 21 06 35 46.2–12 37.49N 142.30E 0 3.6b,3.5
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=222.1km s-min=43.9km az=138.0.
ISC IV 21 15 32 50.8–2.2 36.26N–.04 142.2E–.10 2–12 3.7b 22 1-60
IDC IV 21 15 32 53.9–2.6 36.38N 141.81E 0 3.6,3.6b ¶12935857
JMA IV 21 15 32 54.7–.30 36.29N 141.96E 74 2.8,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=60.1km s-min=26.7km az=66.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC IV 23 14 24 42.4–.46 36.09N–.06 143.17E–.05 34–4 4.7b,3.8s 389 2-146
NIED IV 23 14 24 00 36.10N 143.00E 5 4.4W,3.8s ¶12669137
IDC IV 23 14 24 36.4–.54 35.93N 143.23E 0 4.6,4.5
ISCJB IV 23 14 24 38.5–.94 36.16N–.03 143.08E–.02 15–5 4.6b,3.9s
JMA IV 23 14 24 40.5–.30 36.06N 143.00E 96 4.4,3.9s
MOS IV 23 14 24 41.1–.94 36.25N 143.15E 33 4.8b,3.9s
NEIC IV 23 14 24 42.4–.43 36.07N 143.12E 42 4.6b,4.4W
BJI IV 23 14 24 43.7 36.37N 142.80E 40 4.9b,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ59.00000°,λ-98.00000°. NP2:ϕ_s34.00000°,δ32.00000°,λ-77.00000°. $M_0$4.70000×10^{15}
IDC Error ellipse: s-maj=16.0km s-min=12.8km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=2.8km az=177.8.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
MOS Error ellipse: s-maj=9.0km s-min=6.0km az=111.7.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.7km az=166.0. Moment Tensor Solution. $M_0$4.70000×10^{15}
ISC IV 24 08 24 36.8–2.2 36.05N–.04 143.18E–.06 27–19 3.7b 28 2-90
NIED IV 24 08 24 00 36.10N 143.10E 8 3.7W ¶12936093
IDC IV 24 08 24 34.3–.94 35.83N 143.22E 0 3.9,3.9L
ISCJB IV 24 08 24 36.6–.91 36.07N–.04 143.11E–.06 33–10 3.6b,3.9L
JMA IV 24 08 24 37.6–.30 36.09N 143.05E 80 3.5,3.9L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ68.00000°,λ-99.00000°. NP2:ϕ_s31.00000°,δ24.00000°,λ-69.00000°. $M_0$3.94000×10^{14}

IDC Error ellipse: s-maj=23.9km s-min=20.2km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.6km az=19.7.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC IV 24 21 44 11.1–2.0 34.69N–.06 141.54E–.07 8–11 3.8b 27 0-58
IDC IV 24 21 44 09.8–1.6 34.71N 141.60E 0 3.7,3.6 ¶12936055
ISCJB IV 24 21 44 12.0–1.5 34.67N–.05 141.58E–.08 25–7 3.6b,3.6
JMA IV 24 21 44 13.6–.20 34.69N 141.48E 35–2 3.2,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=40.9km s-min=19.4km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=7.5km az=172.3.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC IV 25 07 43 43.6–2.2 34.72N–.06 141.52E–.10 23–15 3.5b 21 0-76
IDC IV 25 07 43 40.6–1.1 34.66N 141.50E 0 3.8,3.7 ¶12936173
ISCJB IV 25 07 43 43.0–1.3 34.68N–.05 141.52E–.08 29–7 3.5b,3.2s
JMA IV 25 07 43 43.4–.20 34.66N 141.46E 40–1 3.1,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=18.9km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.9km az=169.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IV 26 03 56 42.6–.35 36.01N–.04 143.14E–.03 33–1 4.7b,3.9s 538 2-151
IDC IV 26 03 56 37.3–.44 35.94N 143.21E 0 4.6,4.6 ¶12697295
BJI IV 26 03 56 39.1 36.16N 143.44E 35 4.9b,4.7b
ISCJB IV 26 03 56 39.3–.85 36.10N–.03 143.04E–.02 14–5 4.6b,3.9s
JMA IV 26 03 56 41.3–.20 36.08N 143.00E 88 4.7,3.9s
MOS IV 26 03 56 41.0–.95 35.94N 143.10E 33 4.9b,3.9s
NEIC IV 26 03 56 42.7–.16 35.89N 143.12E 34 4.6b,4.4W
SZGRF IV 26 03 56 48.0 36.94N 143.23E 33 4.8b,4.4W
NIED IV 26 03 57 00 36.10N 143.00E 5 4.4W,4.4W
ISC Event type fe.
IDC Error ellipse: s-maj=13.6km s-min=12.0km az=137.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.6km az=0.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=8.3km s-min=5.1km az=117.7.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.3km az=172.0. Recorded [1 JMA] in Tochigi. Moment Tensor Solution. $M_0$5.10000×10^{15}
SZGRF Off east coast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s163.00000°,δ59.00000°,λ-103.00000°. NP2:ϕ_s8.00000°,δ33.00000°,λ-69.00000°. $M_0$5.10000×10^{15}
ISC IV 27 15 09 27.4–.50 37.58N–.04 142.92E–.04 31–2 4.5b,4.2s 221 2-145
NIED IV 27 15 09 00 37.60N 143.00E 14 4.5W,4.2s ¶12704949
ISCJB IV 27 15 09 23.5–.90 37.57N–.03 142.93E–.04 18–6 4.4b,4.2s
JMA IV 27 15 09 24.3–.20 37.56N 142.96E 38 4.7,4.2s
MOS IV 27 15 09 25.8–.99 37.63N 142.90E 33 4.7b,4.0s
BJI IV 27 15 09 25.0 37.66N 142.80E 22 4.9b,4.5s
NEIC IV 27 15 09 26.9–.38 37.57N 142.93E 30 4.8b,4.5W
IDC IV 27 15 09 27.9–2.8 37.48N 142.88E 37–24 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ69.00000°,λ79.00000°. NP2:ϕ_s218.00000°,δ23.00000°,λ116.00000°. $M_0$7.45000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.1km az=38.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=9.5km s-min=6.3km az=112.4.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.9km az=149.0. Moment Tensor Solution. $M_0$7.50000×10^{15}
IDC Error ellipse: s-maj=17.5km s-min=15.0km az=119.0.
ISC IV 27 15 20 12.0–.81 37.52N–.05 142.96E–.08 24 3.8b 46 2-75
NIED IV 27 15 20 00 37.60N 143.00E 20 4.0W ¶13439130
IDC IV 27 15 20 08.1–.93 37.44N 143.06E 0 3.8,3.8
ISCJB IV 27 15 20 10.1–.54 37.51N–.03 142.97E–.05 24 3.6b,3.1s
JMA IV 27 15 20 11.5–.20 37.55N 142.96E 40 4.1,3.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ69.00000°,λ77.00000°. NP2:ϕ_s223.00000°,δ24.00000°,λ120.00000°. $M_0$1.14000×10^{15}
IDC Error ellipse: s-maj=22.7km s-min=17.4km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=17.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IV 28 05 27 06.3–1.3 37.66N–.07 142.75E–.09 21 3.4b 20 1-58
NIED IV 28 05 27 00 37.60N 142.90E 8 3.6W ¶12936365
JMA IV 28 05 27 03.7–.20 37.58N 142.91E 37 4.0
ISCJB IV 28 05 27 04.2–.96 37.61N–.07 142.83E–.07 21 3.4b
IDC IV 28 05 27 10.5–5.3 37.48N 142.86E 60–49 3.4,3.1
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ81.00000°,λ152.00000°. NP2:ϕ_s127.00000°,δ62.00000°,λ10.00000°. $M_0$2.92000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=7.5km az=149.5.
IDC Error ellipse: s-maj=50.4km s-min=30.5km az=103.0.
JMA IV 29 05 40 19.9–.10 38.04N 143.65E 42 3.6
¶15419144
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC V 09 19 34 33.6–.30 36.57N–.03 142.63E–.03 27–1 5.4b,4.8s 1015 2-154
NIED V 09 19 34 00 36.70N 142.60E 5 5.1W,4.8s ¶13439448
ISCJB V 09 19 34 29.8–.71 36.60N–.02 142.64E–.02 11–4 5.3b,4.8s
IDC V 09 19 34 29.2–.34 36.53N 142.72E 0 4.9,4.9
JMA V 09 19 34 30.2–.20 36.62N 142.67E 21 5.5,4.9
BJI V 09 19 34 31.7 36.77N 142.38E 12 5.4b,5.3s
MOS V 09 19 34 32.9–.93 36.54N 142.66E 33 5.6b,4.7s
NEIC V 09 19 34 33.2–.67 36.54N 142.64E 27–4 5.5b,5.1W
TEH V 09 19 34 34.0 36.56N 142.57E 27 5.2L,5.1W
GCMT V 09 19 34 35.5–.20 36.57N 142.61E 12 5.1W,5.1W
SZGRF V 09 19 34 38.2 37.33N 143.17E 33 5.7b,5.1s
DJA V 09 19 34 46.5–2.9 37N–7.0 142E–11 132–28 5.6b,5.2b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ59.00000°,λ142.00000°. NP2:ϕ_s313.00000°,δ58.00000°,λ37.00000°. $M_0$5.21000×10^{16}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Fukushima and [1 JMA] in Miyagi and Yamagata. Moment Tensor Solution. $M_0$5.20000×10^{16}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s43,c55; s91,c165; Moment tensor: Scale 10^{16}Nm; M_{rr}2.28±.10 $M_{\theta\theta}$3.58±.09; $M_{\phi\phi}$-5.86±.08; $M_{r\theta}$-2.84±.25; $M_{\theta\phi}$0.81±.08; $M_{\phi r}$-0.33±.26; Best double couple: NP1:ϕ_s317.00000°,δ64.00000°,λ29.00000°. NP2:ϕ_s213.00000°,δ65.00000°,λ150.00000°. Principal axes: T 5.9000,Plg38.0000°,Azm175.0000°; N 0.0300,Plg52.0000°,Azm356.0000°; P -5.9300,Plg1.0000°,Azm265.0000° $M_0$5.90000×10^{16}
SZGRF Off east coast of Honshu, Japan.
ISC V 10 04 28 35.2–.58 36.80N–.04 142.87E–.04 15–2 4.6b,3.9s 258 2-146
NIED V 10 04 28 00 36.80N 142.80E 11 4.4W,3.9s ¶12792198
BJI V 10 04 28 31.0 36.95N 142.98E 7 4.9b,4.7b
IDC V 10 04 28 32.0–.60 36.65N 142.93E 0 4.4,4.3
NEIC V 10 04 28 33.1–2.5 36.77N 142.88E 4–15 4.5b,4.3W
ISCJB V 10 04 28 33.1–1.0 36.82N–.03 142.76E–.03 15–7 4.5b,3.9s
JMA V 10 04 28 34.8–.20 36.78N 142.81E 70 4.1,3.9s
MOS V 10 04 28 37.2–.85 36.99N 142.74E 33 4.8b,3.9s
SZGRF V 10 04 28 42.9 37.50N 142.69E 33 4.8b,3.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s5.00000°,δ77.00000°,λ44.00000°. NP2: ϕ_s262.00000°,δ47.00000°,λ162.00000°. $M_0$4.00000×10^{15}
IDC Error ellipse: s-maj=16.1km s-min=13.9km az=147.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.5km az=136.0. Moment Tensor Solution. $M_0$4.00000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.8km az=147.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=9.9km s-min=6.0km az=114.9.
SZGRF Off east coast of Honshu, Japan.
JMA V 11 01 55 46.7–.20 39.93N 144.94E 47 3.5
¶15423936
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC V 11 17 02 33.1–2.2 39.78N–.06 144.04E–.09 36–5 3.5b 34 2-64
NIED V 11 17 02 00 39.80N 143.80E 44 3.8W ¶13678758
IDC V 11 17 02 28.1–1.9 39.53N 144.64E 0 3.8,3.8L

JMA V 11 17 02 34.7–.10 39.84N 143.83E 49 4.0,3.8L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ89.00000°,λ-37.00000°. NP2:ϕ_s218.00000°,δ53.00000°,λ-178.00000°. $M_0$5.33000×10^{14}
IDC Error ellipse: s-maj=44.6km s-min=21.5km az=72.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC V 21 11 02 57.4–3.3 35.41N–.06 142.95E–.07 28–23 3.6b 26 2-75
IDC V 21 11 02 53.2–.88 35.40N 143.05E 0 3.8,3.6 **¶13679360**
ISCJB V 21 11 02 56.5–1.2 35.44N–.05 142.94E–.08 34–11 3.5b,3.6
JMA V 21 11 02 56.9–.30 35.54N 142.91E 79 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=19.7km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=7.8km az=4.4.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC V 21 14 38 04.9–3.7 35.53N–.05 143.01E–.07 9–24 3.5b 32 2-60
IDC V 21 14 38 04.4–1.2 35.45N 143.04E 0 3.6,3.5 **¶13679375**
JMA V 21 14 38 07.7–.40 35.56N 142.96E 77 3.2,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=30.7km s-min=22.1km az=109.0.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC V 24 10 03 11.5–3.1 40.30N–.05 143.89E–.05 17–19 4.1b 102 2-87
NIED V 24 10 03 00 40.30N 143.80E 11 4.2W **¶13439774**
IDC V 24 10 03 08.6–.70 40.18N 143.92E 0 4.0,3.9
ISCJB V 24 10 03 09.9–1.2 40.31N–.03 143.87E–.05 18–9 4.0b,3.2s
JMA V 24 10 03 10.8–.10 40.32N 143.82E 27 3.9,3.2s
NEIC V 24 10 03 11.3–3.6 40.27N 143.90E 16–22 4.6b,4.1W
MOS V 24 10 03 11.8–.94 40.26N 143.86E 33 4.6b,4.1W
BJI V 24 10 03 11.4 40.52N 144.27E 40 4.7b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ69.00000°,λ119.00000°. NP2:ϕ_s161.00000°,δ36.00000°,λ38.00000°. $M_0$2.06000×10^{15}
IDC Error ellipse: s-maj=17.7km s-min=15.1km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.6km az=34.4.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.6km az=111.0. Moment Tensor Solution. $M_0$2.10000×10^{15}
MOS Error ellipse: s-maj=10.4km s-min=7.6km az=92.6.
ISC V 25 05 05 57.1–2.1 33.45N–.07 141.2E–.10 45–25 22 1-57
ISCJB V 25 05 05 56.5–1.1 33.47N–.04 141.15E–.09 55–12 3.9b **¶13679604**
JMA V 25 05 05 56.6–.20 33.51N 141.12E 63 2.9
IDC V 25 05 05 58.6–4.3 33.39N 141.08E 49–45 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=6.1km az=17.3.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=46.9km s-min=14.2km az=102.0.
ISC V 25 10 19 58.3–2.0 37.26N–.05 142.18E–.06 1–11 3.9b,3.6s 34 1-146
ISCJB V 25 10 19 59.0–1.5 37.26N–.04 142.24E–.05 13–11 3.7b,3.6s **¶15428987**
IDC V 25 10 19 58.9–1.2 37.31N 142.25E 0 3.9,3.8
NIED V 25 10 20 00 37.20N 142.20E 20 3.9W,3.8
JMA V 25 10 20 00.4–.20 37.24N 142.17E 30 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.4km az=153.7.
IDC Error ellipse: s-maj=32.1km s-min=16.6km az=153.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s166.00000°,δ90.00000°,λ-76.00000°. NP2:ϕ_s257.00000°,δ14.00000°,λ-179.00000°. $M_0$6.86000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA V 28 11 52 58.3–.10 37.62N 142.81E 25–3 3.5 ¶15430122
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC V 29 08 26 12.6–2.5 37.99N–.06 142.17E–.09 24–16 3.5b 27 1-63
NIED V 29 08 26 00 38.00N 142.10E 50 3.6W **¶13679880**
ISCJB V 29 08 26 10.8–1.5 37.94N–.05 142.25E–.07 22–9 3.5b
JMA V 29 08 26 13.4–.10 38.01N 142.11E 39–1 3.5
IDC V 29 08 26 17.6–3.8 37.87N 142.16E 70–35 3.4,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ78.00000°,λ125.00000°. NP2:ϕ_s163.00000°,δ36.00000°,λ20.00000°. $M_0$3.21000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.7km az=33.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=30.7km s-min=17.8km az=106.0.
ISC V 29 08 54 40.8–1.5 35.80N–.06 143.7E–.10 35 3.6b 28 3-60
ISCJB V 29 08 54 38.7–.81 35.83N–.05 143.74E–.06 33 3.5b **¶13679881**
IDC V 29 08 54 38.9–1.7 35.51N 143.59E 0 3.6,3.5
JMA V 29 08 54 40.5–.30 35.86N 143.67E 63 4.0,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.6km az=179.1.
IDC Error ellipse: s-maj=37.9km s-min=21.3km az=64.0.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC V 29 16 53 59.4–2.2 37.75N–.05 143.26E–.05 30–15 4.4b,3.9s 164 2-145
NIED V 29 16 53 00 37.80N 143.30E 8 4.4W,3.9s **¶13439826**
IDC V 29 16 53 55.1–.52 37.67N 143.23E 0 4.3,4.3
ISCJB V 29 16 53 56.3–1.2 37.76N–.04 143.20E–.04 15–7 4.3b,4.0s
JMA V 29 16 53 56.2–.10 37.78N 143.26E 40 4.9,4.0s
MOS V 29 16 53 58.3–1.2 37.73N 143.22E 33 4.5b,4.0s
NEIC V 29 16 54 00.5–.95 37.76N 143.19E 35–8 4.6b,4.3W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ88.00000°,λ-160.00000°. NP2:ϕ_s121.00000°,δ70.00000°,λ-2.00000°. $M_0$3.78000×10^{15}
IDC Error ellipse: s-maj=14.4km s-min=11.7km az=153.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.5km az=161.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=8.9km s-min=6.2km az=108.1.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=6.3km az=148.0. Recorded [1 JMA] in Miyagi. Moment Tensor Solution. $M_0$3.80000×10^{15}
ISC V 30 13 56 33.1–1.4 40.90N–.06 143.22E–.07 38–2 3.5b 27 1-66
NIED V 30 13 56 00 40.90N 143.10E 23 3.6W **¶13679981**
JMA V 30 13 56 31.4–.10 40.91N 143.11E 19 3.5
ISCJB V 30 13 56 32.0–.72 40.89N–.04 143.22E–.07 48–9 3.5b
IDC V 30 13 56 34.4–3.4 40.93N 143.23E 51–27 3.4,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s359.00000°,δ81.00000°,λ59.00000°. NP2:ϕ_s254.00000°,δ32.00000°,λ162.00000°. $M_0$3.32000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.6km az=24.5.
IDC Error ellipse: s-maj=45.4km s-min=20.1km az=81.0.
ISC VI 01 14 11 52.7–1.7 33.65N–.06 141.2E–.10 57–14 3.3b 22 1-57
JMA VI 01 14 11 50.7–.20 33.67N 141.22E 78–3 2.6 **¶13680111**
IDC VI 01 14 11 54.8–3.9 33.63N 141.03E 71–30 3.3,3.1b
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=48.7km s-min=11.8km az=84.0.
ISC VI 06 17 22 47.7–2.7 36.35N–.05 142.2E–.10 78–31 3.6b 16 1-60
JMA VI 06 17 22 45.9–.30 36.35N 142.31E 71 3.1 **¶13680687**
IDC VI 06 17 22 51.5–2.7 36.27N 140.76E 0 3.6,3.6
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=85.7km s-min=19.5km az=72.0.
ISC VI 11 10 20 06.2–1.2 38.08N–.06 144.81E–.08 26 3.5b 36 3-62
IDC VI 11 10 20 02.9–1.3 37.85N 144.90E 0 3.7,3.6L **¶13681159**
ISCJB VI 11 10 20 04.4–.71 38.01N–.04 144.81E–.05 26 3.8s,3.4b
JMA VI 11 10 20 07.6–.20 38.03N 144.65E 40 3.6,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=42.6km s-min=23.6km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.9km az=4.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VI 13 05 06 16.7–3.7 35.57N–.06 143.04E–.07 12–23 3.8b 30 2-90
IDC VI 13 05 06 15.1–.91 35.57N 143.02E 0 3.9,3.7 **¶13681267**
JMA VI 13 05 06 18.8–.30 35.63N 142.98E 92 3.3,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=18.6km az=117.0.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.

ISC VI 13 19 20 50.5–3.2 35.62N–.06 143.02E–.07 23–21 4.1b,3.2s 82 2-146
NIED VI 13 19 20 00 35.70N 143.00E 5 4.1W,3.2s **¶13681304**
IDC VI 13 19 20 46.7–.58 35.51N 143.10E 0 4.2,4.1
NEIC VI 13 19 20 48.3–.33 35.54N 143.13E 10 4.5b,4.1W
ISCJB VI 13 19 20 50.1–1.8 35.64N–.04 142.99E–.04 31–13 4.1b,3.3s
JMA VI 13 19 20 50.5–.30 35.66N 143.00E 68 3.8,3.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ66.00000°,λ-88.00000°. NP2:ϕ_s27.00000°,δ24.00000°,λ-94.00000°. $M_0$1.82000×10^{15}
IDC Error ellipse: s-maj=18.5km s-min=13.9km az=149.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.0km az=170.0. Moment Tensor Solution. $M_0$1.80000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.8km az=170.6.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC VI 17 12 20 18.9–3.3 35.59N–.05 143.01E–.07 2–21 3.5b 37 2-90
IDC VI 17 12 20 18.9–.80 35.51N 143.04E 0 3.8,3.7 **¶13681539**
JMA VI 17 12 20 22.1–.30 35.63N 142.99E 81 3.4,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=18.8km az=114.0.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC VI 17 12 43 15.0–3.9 36.69N–.04 142.20E–.09 7–24 3.5b 27 1-57
NIED VI 17 12 43 00 36.70N 142.10E 26 3.7W **¶13681540**
ISCJB VI 17 12 43 15.5–1.5 36.68N–.04 142.19E–.09 12–11 3.5b
IDC VI 17 12 43 15.8–2.2 36.70N 142.06E 0 3.6,3.6
JMA VI 17 12 43 17.2–.20 36.69N 142.11E 26 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ64.00000°,λ85.00000°. NP2:ϕ_s206.00000°,δ27.00000°,λ101.00000°. $M_0$4.23000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.1km az=179.6.
IDC Error ellipse: s-maj=62.1km s-min=24.6km az=82.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VI 18 23 51 02.6–.65 39.39N–.05 144.73E–.06 49–4 3.6b 75 2-68
MOS VI 18 23 50 57.6–.94 39.18N 145.02E 33 4.2b **¶13681625**
ISCJB VI 18 23 51 00.8–.66 39.40N–.03 144.67E–.06 49–8 3.8s,3.6b
NIED VI 18 23 51 00 39.40N 144.30E 38 4.1W,3.6b
IDC VI 18 23 51 02.9–.65 39.44N 144.86E 49–4 3.7,3.5
JMA VI 18 23 51 04.5–.20 39.52N 144.42E 57 5.0,3.5
ISC Event type ke.
MOS Error ellipse: s-maj=25.4km s-min=13.9km az=95.2.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.0km az=23.7.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ76.00000°,λ-19.00000°. NP2:ϕ_s226.00000°,δ72.00000°,λ-166.00000°. $M_0$1.54000×10^{15}
IDC Error ellipse: s-maj=18.3km s-min=12.5km az=87.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISC VI 19 14 10 05.7–3.3 39.08N–.05 143.37E–.10 8–17 4.0b 35 1-63
NIED VI 19 14 10 00 39.10N 143.40E 26 4.1W **¶13681663**
IDC VI 19 14 10 03.4–1.8 39.13N 143.73E 0 4.0,4.0b
JMA VI 19 14 10 06.4–.10 39.08N 143.44E 25–3 4.2,4.0b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ58.00000°,λ93.00000°. NP2:ϕ_s197.00000°,δ32.00000°,λ85.00000°. $M_0$1.45000×10^{15}
IDC Error ellipse: s-maj=48.4km s-min=18.1km az=75.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC VI 19 23 50 52.9–3.0 39.07N–.05 143.36E–.08 4–17 4.0b 46 1-71
IDC VI 19 23 50 52.0–1.1 39.01N 143.50E 0 4.0s,3.9 **¶13681684**
JMA VI 19 23 50 54.7–.10 39.10N 143.38E 23–3 4.3,3.9
NEIC VI 19 23 50 56.1–4.0 39.10N 143.49E 28–29 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=18.3km az=78.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=11.5km az=102.0.
ISC VI 19 23 52 07.0–.44 39.11N–.04 143.26E–.04 29–1 4.8b,4.6s 376 1-149
NIED VI 19 23 52 00 39.10N 143.40E 17 4.6W,4.6s **¶13201572**
IDC VI 19 23 52 01.9–.66 39.03N 143.31E 0 4.5,4.4
ISCJB VI 19 23 52 04.0–.88 39.08N–.04 143.31E–.04 20–5 4.7b,4.5s
JMA VI 19 23 52 05.3–.20 39.09N 143.29E 27–4 4.6,4.5s
BJI VI 19 23 52 06.7 39.17N 142.96E 30 5.0b,4.8b
MOS VI 19 23 52 07.5–.76 39.33N 143.07E 33 5.2b,4.4s
NEIC VI 19 23 52 07.6–1.4 39.08N 143.27E 35–9 5.1b,4.6W
SZGRF VI 19 23 52 12.6 40.04N 143.95E 33 4.8b,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ62.00000°,λ95.00000°. NP2:ϕ_s198.00000°,δ29.00000°,λ81.00000°. $M_0$8.51000×10^{15}
IDC Error ellipse: s-maj=17.0km s-min=14.4km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.1km az=141.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=9.0km s-min=4.9km az=109.4.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.3km az=138.0. Recorded [1 JMA] in Iwate. Moment Tensor Solution. $M_0$8.50000×10^{15}
SZGRF Off east coast of Honshu, Japan.
ISC VI 20 02 52 58.1–.29 39.15N–.03 143.25E–.03 25–1 5.3s,5.2b 994 1-155
IDC VI 20 02 52 53.5–.46 39.06N 143.38E 0 4.9,4.9 **¶13201577**
ISCJB VI 20 02 52 55.6–.56 39.11N–.02 143.28E–.02 18–3 5.2s,5.1b
BJI VI 20 02 52 55.3 39.19N 143.09E 17 5.5b,5.4s
JMA VI 20 02 52 55.8–.20 39.09N 143.36E 26–4 5.4,5.4s
NEIC VI 20 02 52 57.4–1.4 39.09N 143.20E 22–9 5.2W,5.1b
SZGRF VI 20 02 52 57.7 39.82N 144.39E 33 5.3b,5.3s
TEH VI 20 02 52 58.0 39.24N 143.10E 21 5.1L,5.3s
MOS VI 20 02 52 59.1–.84 39.37N 143.15E 33 5.5b,5.4s
NIED VI 20 02 53 00 39.10N 143.40E 23 5.3W,5.4s
GCMT VI 20 02 53 00.8–.20 39.16N 143.44E 22–0 5.3W,5.4s
DJA VI 20 02 53 05.6–3.7 39N–9.0 143E–14 94–34 5.7b,5.2
ISC Event type fe.
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Felt at Misawa. Recorded [2 JMA] in Iwate and [1 JMA] in Akita, Aomori and Miyagi. Moment Tensor Solution. $M_0$9.40000×10^{16}
SZGRF Off east coast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ63.00000°,λ91.00000°. NP2:ϕ_s199.00000°,δ27.00000°,λ87.00000°. $M_0$9.35000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c108; s91,c166; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s196.00000°,δ18.00000°,λ85.00000°. NP2:ϕ_s22.00000°,δ72.00000°,λ92.00000°. Principal axes: T 1.1400,Plg63.0000°,Azm294.0000° ; N 0.0500,Plg2.0000°,Azm201.0000°; P -1.1900,Plg27.0000°,Azm110.0000° $M_0$1.20000×10^{17}
ISC VI 20 10 51 33.3–4.0 39.24N–.05 143.30E–.08 10–25 3.6b 25 1-61
NIED VI 20 10 51 00 39.20N 143.40E 26 3.7W **¶13681711**
IDC VI 20 10 51 31.4–1.3 39.17N 143.45E 0 3.6,3.4
JMA VI 20 10 51 33.7–.20 39.20N 143.39E 32–4 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ67.00000°,λ115.00000°. NP2:ϕ_s166.00000°,δ34.00000°,λ46.00000°. $M_0$3.38000×10^{14}
IDC Error ellipse: s-maj=30.5km s-min=22.4km az=97.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA VI 20 10 53 49.6–.20 39.11N 143.32E 19–3 3.6
NIED VI 20 10 53 00 39.10N 143.30E 17 3.5W **¶14491487**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ77.00000°,λ88.00000°. NP2:ϕ_s196.00000°,δ13.00000°,λ99.00000°. $M_0$2.14000×10^{14}
ISC VI 20 21 49 29.1–1.5 39.17N–.05 143.4E–.10 21–21 3.9b,3.5s 31 1-79
NIED VI 20 21 49 00 39.20N 143.50E 17 4.0W,3.5s **¶13681744**
JMA VI 20 21 49 27.7–.10 39.16N 143.50E 28–4 4.3,3.5s
ISCJB VI 20 21 49 28.3–1.5 39.17N–.03 143.46E–.05 24–12 3.7b,3.5s
IDC VI 20 21 49 32.3–3.2 39.11N 143.37E 38–26 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ68.00000°,λ103.00000°. NP2:ϕ_s181.00000°,δ25.00000°,λ61.00000°. $M_0$1.21000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=18.8.
IDC Error ellipse: s-maj=26.7km s-min=16.3km az=85.0.

ISC VI 21 10 24 22.4–.61 39.23N–.05 143.38E–.06 20 4.1b,3.5s 100 1-88
NIED VI 21 10 24 00 39.20N 143.40E 23 4.1W,3.5s **¶13383529**
IDC VI 21 10 24 19.1–.75 39.14N 143.35E 0 4.1,4.1
ISCJB VI 21 10 24 20.3–.41 39.15N–.04 143.44E–.04 20 4.1b,3.5s
JMA VI 21 10 24 21.6–.10 39.16N 143.41E 32–4 4.4,3.5s
MOS VI 21 10 24 22.1–.85 39.17N 143.42E 33 4.4b,3.5s
NEIC VI 21 10 24 24.7–1.1 39.18N 143.38E 38–8 4.6b,4.1W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ66.00000°,λ94.00000°. NP2:ϕ_s200.00000°,δ25.00000°,λ82.00000°. $M_0$1.69000×10^{15}
IDC Error ellipse: s-maj=19.6km s-min=15.9km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.0km az=146.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=10.7km s-min=8.7km az=90.8.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.5km az=108.0. Moment Tensor Solution. $M_0$1.70000×10^{15}
ISC VI 21 14 02 46.4–1.2 39.19N–.05 143.35E–.09 30–6 3.9b 42 1-82
NIED VI 21 14 02 00 39.10N 143.40E 17 3.9W **¶13681784**
IDC VI 21 14 02 41.5–1.1 39.19N 143.46E 0 3.9,3.9
ISCJB VI 21 14 02 43.5–1.7 39.16N–.04 143.42E–.07 26–13 3.8b,3.2s
JMA VI 21 14 02 43.4–.10 39.14N 143.40E 24–3 4.1,3.2s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ68.00000°,λ101.00000°. NP2:ϕ_s186.00000°,δ24.00000°,λ65.00000°. $M_0$8.89000×10^{14}
IDC Error ellipse: s-maj=26.2km s-min=18.4km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.2km az=17.6.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA VI 22 00 53 47.7–.10 39.14N 143.84E 27 3.7
NIED VI 22 00 53 00 39.10N 143.80E 8 4.0W **¶14492098**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ51.00000°,λ105.00000°. NP2:ϕ_s168.00000°,δ41.00000°,λ72.00000°. $M_0$1.06000×10^{15}
ISC VI 22 07 36 53.3–1.6 35.52N–.05 143.1E–.10 59 3.5b 27 2-90
IDC VI 22 07 36 49.0–2.0 35.10N 143.42E 0 3.7,3.7L **¶13681824**
JMA VI 22 07 36 53.1–.30 35.56N 143.01E 61 3.3,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=52.9km s-min=26.3km az=164.0.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC VI 22 07 47 31.4–1.0 35.49N–.06 142.90E–.08 59 3.5b 22 2-90
IDC VI 22 07 47 24.2–1.0 35.43N 143.14E 0 3.8,3.6L **¶13681826**
JMA VI 22 07 47 27.5–.40 35.56N 142.98E 79 3.1,3.6L
ISCJB VI 22 07 47 29.3–.78 35.49N–.05 142.87E–.07 59 3.4b,3.6L
ISC Event type ke.
ISCJB Event type ke.
ISC VI 22 08 24 09.9–1.1 35.52N–.06 143.01E–.08 59 3.6b 28 2-90
IDC VI 22 08 24 04.1–.88 35.49N 143.19E 0 3.8,3.7L **¶13681827**
JMA VI 22 08 24 07.6–.30 35.60N 143.00E 86 3.4,3.7L
ISCJB VI 22 08 24 08.7–.66 35.54N–.05 142.95E–.05 59 3.5b,3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC VI 23 01 06 35.9–2.1 37.21N–.06 142.18E–.06 3–12 4.2b,4.2s 89 1-146
NIED VI 23 01 06 00 37.30N 142.10E 17 4.1W,4.2s **¶13681873**
ISCJB VI 23 01 06 35.8–1.4 37.23N–.04 142.24E–.07 15–8 4.2b,4.1s
NEIC VI 23 01 06 37.6–3.8 37.21N 142.29E 13–23 4.4b,4.1s
JMA VI 23 01 06 37.9–.20 37.19N 142.15E 37 4.1,4.1s
MOS VI 23 01 06 38.0–.97 37.23N 142.28E 33 4.4b,4.1s
IDC VI 23 01 06 40.2–7.1 37.18N 142.22E 30–50 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ72.00000°,λ-123.00000°. NP2:ϕ_s85.00000°,δ37.00000°,λ-30.00000°. $M_0$1.40000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=6.0km az=29.0.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=8.6km az=126.0. Recorded [1 JMA] in Fukushima and Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=11.2km s-min=8.8km az=123.4.
IDC Error ellipse: s-maj=25.6km s-min=16.5km az=77.0.
ISC VI 23 07 24 12.9–.35 39.18N–.03 143.51E–.03 27–1 5.1b,5.1s 788 1-144
NIED VI 23 07 24 00 39.20N 143.80E 14 5.0W,5.1s **¶13441387**
IDC VI 23 07 24 08.3–.49 39.10N 143.68E 0 4.9,4.8
JMA VI 23 07 24 08.5–.10 39.20N 143.79E 29 5.2,4.8
ISCJB VI 23 07 24 10.0–.60 39.18N–.02 143.54E–.02 16–4 5.1b,5.0s
BJI VI 23 07 24 11.7 39.25N 143.30E 23 5.3b,5.2b
NEIC VI 23 07 24 13.4–1.5 39.20N 143.46E 28–10 5.1b,5.0W
MOS VI 23 07 24 13.6–.83 39.43N 143.46E 33 5.3b,4.9s
GCMT VI 23 07 24 16.3–.30 39.25N 143.71E 15–1 5.1W,4.9s
SZGRF VI 23 07 24 21.0 40.52N 144.04E 32 5.1b,4.9s
DJA VI 23 07 24 29.5–1.1 39N–10 142E–18 100 5.3b,5.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ49.00000°,λ69.00000°. NP2:ϕ_s212.00000°,δ45.00000°,λ113.00000°. $M_0$3.75000×10^{16}
JMA Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Misawa. Moment Tensor Solution. $M_0$3.80000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c44; s74,c102; Moment tensor: Scale 10^{16}Nm; M_{rr}2.82±.19 $M_{\theta\theta}$0.22±.12; $M_{\phi\phi}$-3.04±.15; $M_{r\theta}$2.36±.47; $M_{\theta\phi}$-1.11±.09; $M_{\phi r}$4.70±.67; Best double couple: NP1:ϕ_s185.00000°,δ16.00000°,λ70.00000°. NP2:ϕ_s26.00000°,δ75.00000°,λ95.00000°. Principal axes: T 5.8700,Plg60.0000°,Azm303.0000°; N 0.4800,Plg5.0000°,Azm204.0000°; P -6.3500,Plg30.0000°,Azm111.0000° $M_0$6.10000×10^{16}
SZGRF Off east coast of Honshu, Japan.
ISC VI 23 14 49 23.5–1.1 39.14N–.05 143.34E–.08 20 3.9b 39 1-73
IDC VI 23 14 49 17.8–1.1 39.06N 143.85E 0 3.9,3.8 **¶13383550**
ISCJB VI 23 14 49 21.3–.69 39.11N–.04 143.42E–.05 20 3.9b,3.8
JMA VI 23 14 49 21.3–.10 39.12N 143.42E 22–3 4.2,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=17.9km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=29.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VI 24 04 05 00.5–3.6 35.64N–.05 143.00E–.06 5–22 4.1b,3.2s 73 2-146
IDC VI 24 04 04 59.5–.58 35.49N 143.17E 0 4.2,4.1 **¶13681942**
NIED VI 24 04 05 00 35.70N 143.00E 5 4.2W,4.1
NEIC VI 24 04 05 00.9–.45 35.55N 143.15E 10 4.5b,4.1W
JMA VI 24 04 05 03.1–.20 35.65N 142.97E 72 4.0,4.1W
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=14.9km az=162.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ66.00000°,λ-90.00000°. NP2:ϕ_s18.00000°,δ24.00000°,λ-90.00000°. $M_0$2.01000×10^{15}
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=9.4km az=168.0. Moment Tensor Solution. $M_0$2.00000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VI 24 05 36 00.4–4.5 35.61N–.06 143.04E–.06 16–28 4.0b 80 2-146
IDC VI 24 05 35 57.7–.57 35.48N 143.15E 0 4.2,4.1 **¶13383555**
ISCJB VI 24 05 35 58.9–1.6 35.56N–.04 142.96E–.04 17–11 4.1b,3.2s
NEIC VI 24 05 35 58.9–4.2 35.46N 143.12E 8–25 4.5b,4.1W
JMA VI 24 05 36 00.7–.30 35.63N 142.98E 75 4.1,4.1W
NIED VI 24 05 36 00 35.60N 143.00E 5 4.2W,4.1W
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=13.7km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=147.2.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.1km az=145.0. Moment Tensor Solution. $M_0$2.10000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ65.00000°,λ-91.00000°. NP2:ϕ_s24.00000°,δ25.00000°,λ-88.00000°. $M_0$2.08000×10^{15}
ISC VI 24 06 54 08.6–1.2 35.64N–.05 142.99E–.08 59 3.6b 28 2-90
NIED VI 24 06 54 00 35.70N 142.90E 5 3.8W **¶13681951**
IDC VI 24 06 54 03.1–.85 35.46N 143.24E 0 3.9,3.7
ISCJB VI 24 06 54 08.0–.66 35.68N–.04 142.91E–.06 59 3.6b,3.7
JMA VI 24 06 54 07.4–.30 35.66N 142.92E 80 3.6,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s197.00000°,δ67.00000°,λ-89.00000°. NP2:ϕ_s15.00000°,δ23.00000°,λ-92.00000°. $M_0$6.11000×10^{14}
IDC Error ellipse: s-maj=21.8km s-min=20.2km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.5km az=8.4.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC VI 29 13 55 04.9–3.6 35.7N–.10 143.09E–.10 16–28 3.4b 20 2-50
IDC VI 29 13 55 02.7–2.6 35.67N 143.16E 0 3.5,3.5 **¶13682258**
ISCJB VI 29 13 55 05.4–1.8 35.78N–.05 143.03E–.06 32–19 3.4b,3.5
JMA VI 29 13 55 06.4–.30 35.72N 142.95E 81 3.3,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=51.4km s-min=28.5km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.6km az=38.1.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.

(230) Near south coast of eastern Honshu.

JMA I 10 23 15 42.9 34.88N 137.41E 38 2.6
¶15530452
JMA I 13 19 09 36.2 35.44N 139.01E 20–1 2.6
¶15531236
ISC I 22 12 21 01.1–.33 34.27N–.03 139.29E–.03 138–2 4.9b 873 0-156
BJI I 22 12 20 56.5 34.20N 139.30E 115 4.9b,4.8b **¶13433921**
NEIC I 22 12 20 59.5–.54 34.20N 139.24E 124–4 5.0b,4.8W
MOS I 22 12 20 59.6–.89 34.18N 139.20E 139 4.9b,4.8W
ISCJB I 22 12 21 00.4–.23 34.20N–.03 139.16E–.02 142–1 4.8b,4.8W
NIED I 22 12 21 00 34.30N 139.50E 145 4.8W,4.8W
IDC I 22 12 21 01.1–.66 34.23N 139.19E 137–5 4.5,4.5
JMA I 22 12 21 01.1–.10 34.33N 139.51E 143–1 4.7,4.5
SZGRF I 22 12 21 02.1 34.88N 141.00E 33 5.2b,4.5
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.2km az=148.0. Felt at Tokyo, Yokohama and Yokosuka. Recorded [2 JMA] in Kanagawa and [1 JMA] in Fukushima, Gumma and Tochigi. Moment Tensor Solution. $M_0$2.00000×10^{16}
MOS Error ellipse: s-maj=8.3km s-min=4.7km az=111.6.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.0km az=175.3.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ90.00000°,λ99.00000°. NP2:ϕ_s268.00000°,δ9.00000°,λ0.00000°. $M_0$2.03000×10^{16}
IDC Error ellipse: s-maj=9.8km s-min=7.2km az=83.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s176.00000°,δ86.00000°,λ89.00000°. NP2:ϕ_s16.00000°,δ4.00000°,λ110.00000°. Principal axes: T Plg49.0000°,Azm84.0000°; N Plg1.0000°,Azm176.0000°; P Plg41.0000°,Azm267.0000°
SZGRF Off east coast of Honshu, Japan.
ISC I 26 21 46 13.5–.92 33.95N–.10 137.02E–.06 361–8 2.9b 33 0-70
ISCJB I 26 21 46 12.8–.65 33.94N–.09 137.05E–.07 367–5 3.0b **¶12082415**
JMA I 26 21 46 12.7–.30 33.90N 136.99E 370–3 2.8
IDC I 26 21 46 13.4–1.6 33.86N 137.09E 362–15 2.8b,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=8.6km az=163.0.
JMA Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=32.9km s-min=21.3km az=76.0.
ISC I 29 19 59 41.4–.66 35.62N–.04 139.53E–.05 33–3 3.8b 29 0-77
NIED I 29 19 59 00 35.70N 139.50E 29 3.8W **¶12082691**
ISCJB I 29 19 59 40.3–.59 35.53N–.05 139.71E–.07 46–4 3.6b
JMA I 29 19 59 41.6–.10 35.65N 139.54E 27–2 3.9
IDC I 29 19 59 41.2–.64 35.50N 139.47E 35–5 3.7,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ52.00000°,λ82.00000°. NP2:ϕ_s238.00000°,δ39.00000°,λ100.00000°. $M_0$5.07000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=8.4km az=0.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=14.4km az=94.0.
ISC II 01 19 42 58.6–.69 34.47N–.08 137.44E–.08 312–5 3.8b 50 0-82
NIED II 01 19 42 00 34.50N 137.50E 320 4.0W **¶12699354**
ISCJB II 01 19 42 57.7–.41 34.47N–.06 137.42E–.08 318–2 3.5b
IDC II 01 19 42 57.5–1.0 34.35N 137.49E 302–7 3.5,3.4
JMA II 01 19 42 58.1–.10 34.49N 137.47E 316–1 3.9,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ71.00000°,λ62.00000°. NP2:ϕ_s81.00000°,δ33.00000°,λ143.00000°. $M_0$1.13000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=9.0km az=37.6.
IDC Error ellipse: s-maj=15.7km s-min=13.4km az=162.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC II 02 15 37 19.2–.91 34.34N–.09 137.47E–.07 315–7 2.9b 32 0-58
JMA II 02 15 37 17.8–.30 34.31N 137.51E 325–3 2.7 **¶12699410**
ISCJB II 02 15 37 18.1–.56 34.32N–.08 137.48E–.08 321–5 2.8b
IDC II 02 15 37 18.3–1.5 34.24N 137.48E 303–35 2.9,2.7
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=9.7km az=162.8.
IDC Error ellipse: s-maj=84.5km s-min=16.8km az=63.0.
ISC II 02 21 41 24.6–1.0 35.20N–.06 139.72E–.06 98–7 24 0-55
ISCJB II 02 21 41 23.6–.70 35.18N–.06 139.73E–.07 104–5 3.2b **¶12699431**
JMA II 02 21 41 24.4–.20 35.26N 139.76E 96–2 2.8
IDC II 02 21 41 25.5–3.2 34.91N 139.13E 87–41 3.2,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.3km az=43.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=93.5km s-min=32.0km az=61.0.
ISC II 09 20 38 21.2–.76 33.98N–.08 137.28E–.06 343–6 3.2b 37 0-82
ISCJB II 09 20 38 20.3–.46 33.97N–.07 137.31E–.07 349–3 3.1b **¶12699869**
JMA II 09 20 38 20.3–.40 34.00N 137.25E 353–4 3.2
IDC II 09 20 38 20.3–.95 33.92N 137.29E 334–9 3.2,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=8.6km az=159.9.
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=16.8km s-min=13.8km az=103.0.
ISC II 15 18 06 37.3–.79 34.86N–.04 139.82E–.03 46–6 3.6b 40 0-75
NIED II 15 18 06 00 34.90N 139.80E 41 3.5W **¶12700822**
ISCJB II 15 18 06 36.3–.35 34.86N–.04 139.84E–.04 54–3 3.6b
JMA II 15 18 06 36.6–.10 34.87N 139.86E 48–1 3.5
IDC II 15 18 06 38.5–1.3 34.81N 139.74E 58–12 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ70.00000°,λ95.00000°. NP2:ϕ_s203.00000°,δ21.00000°,λ77.00000°. $M_0$2.28000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.3km az=28.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s35.00000°,δ53.00000°,λ103.00000°. NP2:ϕ_s194.00000°,δ39.00000°,λ73.00000°. Principal axes: T Plg77.0000°,Azm352.0000°; N Plg11.0000°,Azm207.0000°; P Plg7.0000°,Azm116.0000°
IDC Error ellipse: s-maj=28.5km s-min=5.6km az=72.0.
ISC III 02 13 49 35.0–.98 35.48N–.05 139.29E–.08 146–7 3.5b 25 0-55
NIED III 02 13 49 00 35.50N 139.30E 140 3.6W **¶12702264**
ISCJB III 02 13 49 34.1–.63 35.48N–.05 139.3E–.10 148–4 3.5b
JMA III 02 13 49 35.4–.10 35.49N 139.33E 140–1 3.5
IDC III 02 13 49 35.6–3.4 35.40N 139.09E 143–9 3.4,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ62.00000°,λ89.00000°. NP2:ϕ_s59.00000°,δ28.00000°,λ92.00000°. $M_0$2.80000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=7.2km az=158.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=156.6km s-min=8.8km az=67.0.
JMA III 12 14 59 05.5–.10 35.49N 139.17E 20–1 0.4
¶15551407
ISC III 13 12 21 54.3–.45 35.20N–.05 139.84E–.04 94–3 4.1b 92 0-125
NIED III 13 12 21 00 35.20N 139.80E 77 3.9W **¶11882787**
BJI III 13 12 21 49.9 35.21N 140.21E 93 4.8b,4.6b
ISCJB III 13 12 21 52.9–.28 35.15N–.03 139.85E–.04 95–2 4.1b,4.6b
JMA III 13 12 21 53.6–.20 35.16N 139.81E 88–2 3.9,4.6b
NEIC III 13 12 21 53.6–1.6 35.16N 139.90E 93–13 4.6b,3.9W
IDC III 13 12 21 55.5–1.1 35.07N 139.81E 101–10 3.7,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ68.00000°,λ107.00000°. NP2:ϕ_s0.00000°,δ28.00000°,λ55.00000°. $M_0$8.48000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.5km az=135.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s222.00000°,δ73.00000°,λ111.00000°. NP2: ϕ_s350.00000°,δ27.00000°,λ41.00000°. Principal axes: T Plg57.0000°,Azm160.0000° ; N Plg20.0000°,Azm36.0000°; P Plg25.0000°,Azm296.0000°
NEIC Event type fe. Error ellipse: s-maj=18.8km s-min=15.6km az=192.0. Felt [III] at Yokosuka. Also felt at Tachikawa, Tokyo, Yokohama and Zushi. Moment Tensor Solution. $M_0$8.50000×10^{14}
IDC Error ellipse: s-maj=19.1km s-min=8.6km az=72.0.

ISC	**III**	**16 19 31 30.9–.62**	**34.63N–.05**	**138.11E–.05**	**267–5**	**3.8b**	**73**	**0-78**
NIED	III	16 19 31 00	34.60N	138.20E	260	4.2W		**¶13436472**
ISCJB	III	16 19 31 29.8–.29	34.64N–.04	138.12E–.04	271–2	3.6b		
JMA	III	16 19 31 30.2–.20	34.61N	138.18E	271–2	3.8		
IDC	III	16 19 31 31.0–.55	34.52N	138.02E	267–7	3.6,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ85.00000°,λ-156.00000°. NP2:ϕ_s303.00000°,δ66.00000°,λ-5.00000°. $M_0$2.42000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.2km az=135.9.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s46.00000°,δ71.00000°,λ-152.00000°. NP2: ϕ_s306.00000°,δ64.00000°,λ-21.00000°. Principal axes: T Plg5.0000°,Azm175.0000° ; N Plg57.0000°,Azm77.0000°; P Plg33.0000°,Azm268.0000°
IDC Error ellipse: s-maj=12.9km s-min=11.5km az=58.0.

ISC	**III**	**19 00 04 15.9–1.2**	**33.8N–.10**	**137.37E–.07**	**352–8**	**3.1b**	**32**	**0-70**
IDC	III	19 00 04 01.9–8.3	32.74N	138.16E	292–53	3.3,3.3		**¶12703623**
ISCJB	III	19 00 04 14.7–.85	33.7N–.10	137.42E–.07	359–5	3.3b,3.3		
JMA	III	19 00 04 14.2–.30	33.73N	137.40E	368–3	3.1,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=91.7km s-min=28.2km az=103.0.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=8.4km az=168.8.
JMA Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.

JMA	**III**	**19 23 30 31.0**	**34.79N**	**137.12E**	**7–1**	**3.2**		
								¶15554563

JMA Event type fe.

ISC	**III**	**25 06 26 15.9–.88**	**35.98N–.04**	**139.96E–.04**	**45–8**	**4.0b**	**55**	**0-92**
NIED	III	25 06 26 00	36.10N	140.00E	50	4.0W		**¶12058110**
NEIC	III	25 06 26 06.2–1.3	36.03N	140.76E	10	4.3b		
ISCJB	III	25 06 26 15.1–.39	35.98N–.03	139.96E–.04	56–3	4.0b		
JMA	III	25 06 26 16.1–.10	36.02N	139.95E	44–1	4.0		
IDC	III	25 06 26 17.6–1.3	35.89N	139.93E	62–12	3.8,3.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ76.00000°,λ78.00000°. NP2:ϕ_s265.00000°,δ18.00000°,λ130.00000°. $M_0$1.22000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=25.6km s-min=6.7km az=127.0. Recorded [3 JMA] in Ibaraki; [2 JMA] in Chiba, Saitama and Tochigi; [1 JMA] in Fukushima, Gumma, Kanagawa and Tokyo.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.7km az=20.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s42.00000°,δ72.00000°,λ85.00000°. NP2: ϕ_s237.00000°,δ19.00000°,λ104.00000°. Principal axes: T Plg63.0000°,Azm305.0000° ; N Plg4.0000°,Azm44.0000°; P Plg27.0000°,Azm136.0000°
IDC Error ellipse: s-maj=15.6km s-min=6.8km az=66.0.

ISC	**III**	**27 02 14 48.5–1.0**	**33.9N–.10**	**137.49E–.10**	**354–8**	**3.0b**	**27**	**0-68**
JMA	III	27 02 14 44.3–.10	33.73N	137.37E	391	3.3		**¶12635671**
ISCJB	III	27 02 14 47.5–.73	33.88N–.09	137.6E–.10	363–7	2.8b		
IDC	III	27 02 14 47.4–1.4	33.69N	137.17E	335–16	2.9,2.7		

ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=11.1km az=136.4.
IDC Error ellipse: s-maj=34.0km s-min=20.5km az=76.0.

ISC	**III**	**28 19 45 34.8–.78**	**33.85N–.07**	**137.84E–.06**	**331–6**	**3.5b**	**40**	**0-76**
ISCJB	III	28 19 45 33.6–.44	33.79N–.06	137.91E–.06	335–4	3.3b		**¶15557191**
JMA	III	28 19 45 33.2–.10	33.83N	137.93E	345	3.6		
IDC	III	28 19 45 34.8–.58	33.83N	137.90E	332–8	3.3,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.9km az=157.6.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=23.0km s-min=10.0km az=69.0.

ISC	**III**	**29 07 48 28.3–.71**	**33.40N–.07**	**137.52E–.07**	**365–5**	**3.5b**	**70**	**0-117**
JMA	III	29 07 48 26.7–.30	33.35N	137.53E	371–3	3.3		**¶13437576**
ISCJB	III	29 07 48 27.1–.41	33.37N–.06	137.54E–.06	368–2	3.5b		
IDC	III	29 07 48 28.1–.54	33.34N	137.54E	362–7	3.4,3.3		

ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=8.2km az=153.4.
IDC Error ellipse: s-maj=18.0km s-min=9.4km az=70.0.

ISC	**III**	**30 14 01 37.0–.48**	**33.20N–.05**	**137.91E–.05**	**333–3**	**4.2b**	**161**	**1-151**
NIED	III	30 14 01 00	33.20N	138.00E	320	4.5W		**¶13437659**
BJI	III	30 14 01 34.8	33.26N	137.90E	334	4.7b,4.5b		
MOS	III	30 14 01 35.3–.88	33.18N	137.82E	330	4.2b,4.5b		
JMA	III	30 14 01 35.0–.30	33.24N	138.04E	349–3	3.8,4.5b		
IDC	III	30 14 01 36.8–.82	33.16N	137.80E	328–7	4.0,4.0		
ISCJB	III	30 14 01 36.1–.31	33.19N–.04	137.89E–.05	339–1	4.2b,4.0		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ89.00000°,λ-65.00000°. NP2:ϕ_s103.00000°,δ25.00000°,λ-178.00000°. $M_0$5.65000×10^{15}
ISCJB Event type ke.

ISC	**III**	**31 16 10 38.7–.79**	**34.62N–.04**	**139.73E–.05**	**100–6**	**3.5b**	**36**	**0-66**
ISCJB	III	31 16 10 37.6–.46	34.61N–.03	139.75E–.05	109–3	3.4b		**¶12636039**
IDC	III	31 16 10 37.5–1.6	34.65N	140.01E	97–10	3.2,3.1b		
JMA	III	31 16 10 38.5–.10	34.62N	139.74E	97–1	2.8,3.1b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.2km az=153.2.
IDC Error ellipse: s-maj=38.4km s-min=6.3km az=74.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**IV**	**13 05 23 47.4–.97**	**34.36N–.06**	**138.61E–.07**	**233–7**	**3.2b**	**31**	**0-70**
IDC	IV	13 05 23 44.4–1.1	34.12N	138.93E	230–12	3.1,3.0		**¶12935212**
ISCJB	IV	13 05 23 46.4–.59	34.35N–.05	138.63E–.07	236–3	3.2b,3.0		
JMA	IV	13 05 23 46.9–.30	34.33N	138.66E	233–3	3.1,3.0		

ISC Event type ke.
IDC Error ellipse: s-maj=48.6km s-min=13.5km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=8.4km az=178.9.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.

JMA	**IV**	**17 12 49 54.0–.10**	**33.12N**	**137.05E**	**57–1**	**3.8**		
								¶15415067

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**IV**	**18 14 53 49.3–.59**	**33.92N–.06**	**137.24E–.05**	**354–5**	**3.6b**	**85**	**0-95**
NIED	IV	18 14 53 00	33.90N	137.30E	400	4.3W		**¶13438835**
ISCJB	IV	18 14 53 48.4–.30	33.90N–.05	137.24E–.05	361–2	3.6b		
JMA	IV	18 14 53 48.2–.20	33.88N	137.29E	363–2	3.8		
IDC	IV	18 14 53 49.3–.51	33.83N	137.21E	352–5	3.6,3.5		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s144.00000°,δ89.00000°,λ46.00000°. NP2:ϕ_s53.00000°,δ44.00000°,λ179.00000°. $M_0$3.34000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.7km az=149.4.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=8.0km az=110.0.

ISC	**IV**	**18 23 36 39.0–.68**	**34.44N–.07**	**137.39E–.07**	**307–5**	**3.7b**	**60**	**0-117**
ISCJB	IV	18 23 36 38.1–.35	34.45N–.06	137.39E–.07	312–3	3.6b		**¶12935599**
IDC	IV	18 23 36 38.7–.57	34.46N	137.39E	301–6	3.5,3.5		
JMA	IV	18 23 36 38.8–.20	34.41N	137.51E	308–2	3.7,3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=8.7km az=29.3.
IDC Error ellipse: s-maj=15.9km s-min=9.2km az=68.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s40.00000°,δ71.00000°,λ-149.00000°. NP2: ϕ_s299.00000°,δ61.00000°,λ-22.00000°. Principal axes: T Plg7.0000°,Azm167.0000° ; N Plg54.0000°,Azm67.0000°; P Plg35.0000°,Azm262.0000°

ISC	**IV**	**24 09 46 07.0–2.5**	**33.6N–.30**	**137.2E–.20**	**400**		**14**	**1-53**
JMA	IV	24 09 46 06.5–.20	33.47N	137.05E	399	2.8		**¶12936091**
IDC	IV	24 09 46 09.8–4.3	33.61N	136.72E	354–109	2.8,2.8b		

ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=232.2km s-min=42.7km az=66.0.

JMA	**IV**	**28 04 58 19.7–.30**	**33.61N**	**137.07E**	**399**	**3.5**		
								¶15418648

JMA Error ellipse: s-maj=7.8km s-min=4.6km az=-1.0.

JMA	**V**	**14 18 38 14.2**	**34.28N**	**139.13E**	**8–1**	**1.8**		
								¶16555920
ISC	**V**	**14 18 38 46.3–.86**	**34.26N–.03**	**139.16E–.04**	**10–5**	**3.6b**	**28**	**0-93**
NIED	V	14 18 38 00	34.30N	139.10E	17	3.7W		**¶12824916**
IDC	V	14 18 38 44.7–.87	34.19N	139.16E	0	3.8,3.8L		
ISCJB	V	14 18 38 45.9–.52	34.26N–.03	139.16E–.05	12–3	3.5b,2.9s		
JMA	V	14 18 38 46.4	34.28N	139.13E	7–1	3.3,2.9s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ74.00000°,λ157.00000°. NP2:ϕ_s47.00000°,δ68.00000°,λ18.00000°. $M_0$4.08000×10^{14}
IDC Error ellipse: s-maj=25.8km s-min=14.4km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.5km az=170.4.
JMA Event type fe.

ISC	**V**	**22 08 40 15.9–1.3**	**35.43N–.07**	**139.3E–.20**	**121–9**		**16**	**0-59**
ISCJB	V	22 08 40 15.1–.88	35.40N–.09	139.2E–.20	130–6	3.6b		**¶13679413**
JMA	V	22 08 40 16.9–.10	35.43N	139.33E	113–1	2.8		
IDC	V	22 08 40 17.2–.80	35.20N	138.68E	118–11	3.5,3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.3km s-min=8.1km az=159.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=39.3km s-min=7.3km az=68.0.

ISC	**V**	**25 11 26 21.5–.73**	**34.68N–.03**	**137.85E–.03**	**30–5**	**3.9b,3.5s**	**50**	**0-94**
NIED	V	25 11 26 00	34.70N	137.80E	29	4.4W,3.5s		**¶12862818**
ISCJB	V	25 11 26 20.8–.29	34.67N–.03	137.83E–.04	37–3	3.8b,3.5s		
JMA	V	25 11 26 22.1–.10	34.72N	137.80E	26–1	4.7,3.5s		
IDC	V	25 11 26 22.2–2.3	34.64N	137.86E	36–20	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ85.00000°,λ168.00000°. NP2:ϕ_s50.00000°,δ78.00000°,λ6.00000°. $M_0$4.90000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.7km az=23.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s49.00000°,δ84.00000°,λ16.00000°. NP2: ϕ_s317.00000°,δ74.00000°,λ174.00000°. Principal axes: T Plg15.0000°,Azm274.0000° ; N Plg73.0000°,Azm68.0000°; P Plg7.0000°,Azm182.0000°
IDC Error ellipse: s-maj=14.5km s-min=13.3km az=68.0.

JMA	**VI**	**02 10 36 39.3**	**34.54N**	**139.39E**	**15–1**	**2.0**		
								¶14484894
ISC	**VI**	**02 10 37 27.8–1.2**	**34.50N–.04**	**139.42E–.04**	**5–8**	**3.8b,3.2s**	**31**	**0-93**
NIED	VI	02 10 37 00	34.50N	139.40E	5	4.0W,3.2s		**¶15431767**
IDC	VI	02 10 37 26.8–.65	34.47N	139.36E	0	3.9,3.9L		
ISCJB	VI	02 10 37 27.9–.70	34.51N–.03	139.40E–.05	14–4	3.7b,3.1s		
JMA	VI	02 10 37 28.5	34.54N	139.40E	14–1	3.4,3.1s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ82.00000°,λ40.00000°. NP2:ϕ_s94.00000°,δ50.00000°,λ170.00000°. $M_0$1.11000×10^{15}
IDC Error ellipse: s-maj=22.8km s-min=12.7km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.7km az=154.4.
JMA Event type fe.

ISC	**VI**	**11 13 14 47.8–.98**	**35.81N–.04**	**139.24E–.06**	**63–7**	**3.3b**	**26**	**0-59**
ISCJB	VI	11 13 14 47.0–.59	35.81N–.03	139.25E–.07	72–5	3.4b		**¶13681166**
JMA	VI	11 13 14 48.3	35.80N	139.23E	62–1	3.2		
IDC	VI	11 13 14 49.3–1.0	35.70N	138.94E	75–8	3.5,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=5.5km az=176.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s221.00000°,δ67.00000°,λ68.00000°. NP2:ϕ_s86.00000°,δ31.00000°,λ131.00000°. Principal axes: T Plg62.0000°,Azm97.0000°; N Plg20.0000°,Azm230.0000°; P Plg19.0000° ,Azm327.0000°
IDC Error ellipse: s-maj=32.7km s-min=7.4km az=66.0.

ISC	**VI**	**12 15 24 50.1–.90**	**34.75N–.07**	**137.52E–.06**	**297–7**	**2.9b**	**31**	**0-58**
ISCJB	VI	12 15 24 48.9–.55	34.67N–.07	137.56E–.07	301–4	2.9b		**¶13681232**
JMA	VI	12 15 24 49.3–.40	34.72N	137.54E	303–4	3.3		
IDC	VI	12 15 24 50.2–.68	34.83N	137.66E	308–14	3.0,2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=9.5km az=170.6.
JMA Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=43.7km s-min=10.1km az=68.0.

ISC	**VI**	**17 16 24 38.8–.52**	**33.86N–.06**	**137.45E–.04**	**333–4**	**4.1b**	**123**	**0-151**
NIED	VI	17 16 24 00	33.90N	137.50E	340	4.5W		**¶13681548**
ISCJB	VI	17 16 24 37.8–.27	33.89N–.04	137.44E–.04	336–1	4.0b		
MOS	VI	17 16 24 37.0–.71	33.80N	137.41E	330	4.0b		
JMA	VI	17 16 24 37.9–.20	33.90N	137.50E	338–2	4.1		
BJI	VI	17 16 24 37.1	33.92N	137.37E	333	4.6b,4.3b		
IDC	VI	17 16 24 38.6–.57	33.83N	137.45E	330–5	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ78.00000°,λ73.00000°. NP2:ϕ_s53.00000°,δ21.00000°,λ142.00000°. $M_0$5.42000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.5km az=155.8.
MOS Error ellipse: s-maj=12.4km s-min=8.2km az=94.1.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=9.0km s-min=8.8km az=48.0.

JMA	**VI**	**19 06 07 09.0–.10**	**33.52N**	**137.24E**	**410**	**3.5**		
								¶15438426

JMA Error ellipse: s-maj=5.6km s-min=2.8km az=-1.0.

ISC	**VI**	**28 21 13 12.7–.50**	**35.20N–.04**	**139.94E–.04**	**116–4**	**3.9b**	**86**	**0-92**
NEIC	VI	28 21 12 51.5–1.9	33.67N	141.18E	38–15	4.3b		**¶13682216**
NIED	VI	28 21 13 00	35.20N	139.90E	125	4.1W		
ISCJB	VI	28 21 13 11.8–.28	35.15N–.04	139.95E–.04	121–1	4.0b		
JMA	VI	28 21 13 12.4–.20	35.20N	139.95E	117–2	3.9		
IDC	VI	28 21 13 13.1–.53	35.11N	139.88E	117–5	3.8,3.7		

ISC Event type se.
NEIC Event type fe. Error ellipse: s-maj=19.5km s-min=15.9km az=150.0. Recorded [2 JMA] in Chiba, Kanagawa and Tokyo; [1 JMA] in Shizuoka, Tochigi and Yamanashi. Also recorded [1 JMA] on O-shima.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ80.00000°,λ-102.00000°. NP2:ϕ_s47.00000°,δ16.00000°,λ-41.00000°. $M_0$1.41000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.8km az=135.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s203.00000°,δ72.00000°,λ-73.00000°. NP2: ϕ_s339.00000°,δ25.00000°,λ-132.00000°. Principal axes: T Plg25.0000°,Azm280.0000° ; N Plg16.0000°,Azm18.0000°; P Plg60.0000°,Azm138.0000°
IDC Error ellipse: s-maj=12.2km s-min=5.7km az=72.0.

IDC	**VI**	**29 05 40 09.3–3.5**	**33.45N**	**137.99E**	**254–86**	**2.8,2.6**		
								¶16101847

IDC Error ellipse: s-maj=186.5km s-min=25.5km az=61.0.

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ISC	**II**	**12 08 46 15.0–1.1**	**35.31N–.06**	**127.42E–.04**	**10**		**20**	**0-3**
JMA	II	12 08 46 14.1–.40	35.56N	127.50E	0	3.7		**¶15541578**
ISCJB	II	12 08 46 16.5–.51	35.29N–.04	127.40E–.04	10	3.7		
KMA	II	12 08 46 16.3	35.26N	127.44E		3.2L		

ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=179.5.

ISC	**II**	**26 06 03 53.7–1.2**	**35.00N–.03**	**129.71E–.04**	**6–12**		**28**	**1-2**
JMA	II	26 06 03 54.6–.10	34.99N	129.71E	8–3	3.2		**¶15546604**
KMA	II	26 06 03 55.5	35.03N	129.59E		2.6L		

ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**III**	**02 05 20 26.7–.97**	**37.03N–.05**	**124.70E–.04**	**10**		**37**	**1-11**
ISCJB	III	02 05 20 26.2–.58	37.07N–.04	124.61E–.05	10			**¶12702237**
KMA	III	02 05 20 26.3	37.08N	124.65E		3.4L		

IDC III 02 05 20 27.9–4.2 37.05N 124.74E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.3km az=135.2.
IDC Error ellipse: s-maj=33.8km s-min=23.7km az=80.0.
JMA III 24 10 47 49.8–.10 35.03N 129.66E 16–2 3.8
NIED III 24 10 47 00 35.00N 129.70E 5 3.5W **¶14165452**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ69.00000°,λ-155.00000°. NP2:ϕ_s123.00000°,δ67.00000°,λ-22.00000°. $M_0$1.70000×10^{14}
ISC V 01 22 58 27.8–.97 36.56N–.03 128.72E–.02 8–7 3.6b 41 0-69
NIED V 01 22 58 00 36.80N 128.70E 5 3.9W **¶13678201**
JMA V 01 22 58 21.5–.70 36.83N 128.71E 0 4.6
KMA V 01 22 58 27.2 36.56N 128.72E 4.0L
IDC V 01 22 58 27.0–.89 36.51N 128.65E 0 3.6,3.6b
ISCJB V 01 22 58 27.6–.33 36.56N–.03 128.74E–.03 20–4 3.6b,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s305.00000°,δ84.00000°,λ67.00000°. NP2:ϕ_s202.00000°,δ24.00000°,λ166.00000°. $M_0$8.49000×10^{14}
ISCJB Event type ke.

(232) Western Honshu.

ISC I 01 13 56 57.3–.80 34.69N–.09 136.95E–.09 338–6 3.2b 30 0-94
ISCJB I 01 13 56 56.3–.53 34.65N–.08 136.98E–.10 344–4 3.0b **¶15527182**
IDC I 01 13 56 56.1–.84 34.54N 136.95E 327–10 3.2,3.0b
JMA I 01 13 56 57.0–.20 34.76N 136.92E 343–2 3.1,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=11.2km az=43.4.
IDC Error ellipse: s-maj=20.8km s-min=13.7km az=67.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA II 06 15 19 29.2 35.19N 136.77E 15–1 3.1
¶15539292
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s330.00000°,δ65.00000°,λ70.00000°. NP2:ϕ_s191.00000°,δ31.00000°,λ127.00000°. Principal axes: T Plg64.0000°,Azm207.0000°; N Plg18.0000°,Azm339.0000°; P Plg18.0000°,Azm75.0000°
ISC II 17 21 47 08.1–.52 35.62N–.02 136.32E–.02 12–3 4.7b,4.3s 522 0-151
NIED II 17 21 47 00 35.70N 136.30E 5 4.8W,4.3s **¶11682570**
IDC II 17 21 47 06.0–.42 35.63N 136.30E 0 4.6,4.6
ISCJB II 17 21 47 06.9–.45 35.66N–.02 136.26E–.02 11–2 4.6b,4.3s
BJI II 17 21 47 07.5 35.53N 136.38E 27 5.0b,4.8s
JMA II 17 21 47 07.0 35.66N 136.31E 9–1 5.2,4.8s
NEIC II 17 21 47 09.2–1.9 35.60N 136.27E 18–11 4.8b,4.8W
MOS II 17 21 47 10.0–1.1 35.61N 136.25E 39 4.8b,4.2s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s153.00000°,δ86.00000°,λ12.00000°. NP2:ϕ_s63.00000°,δ78.00000°,λ176.00000°. $M_0$1.94000×10^{16}
IDC Error ellipse: s-maj=11.7km s-min=9.3km az=140.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=164.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s158.00000°,δ87.00000°,λ16.00000°. NP2:ϕ_s68.00000°,δ74.00000°,λ177.00000°. Principal axes: T Plg13.0000°,Azm24.0000°; N Plg74.0000°,Azm168.0000°; P Plg9.0000°,Azm292.0000°
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.7km az=149.0. Felt [III] at Hekinan, Kyoto and Nagoya and [II] at Osaka. Also felt at Akashi, Amagasaki, Daito, Fukui, Gifu, Hikone, Iida, Ina, Izumi, Kakogawa, Kanazawa, Koke, Kumano, Mino, Minoh, Nagahama, Nagakute, Nagaokakyo, Nara, Ogaki, Okayama, Okazaki, Shiga, Suita, Tokoname, Toyota and Yokkaichi. Recorded [4 JMA] in Gifu; [3 JMA] in Aichi, Fukui, Hyogo, Mie, Nagano and Shiga; [2 JMA] in Ishikawa, Kagawa, Kyoto, Nara, Okayama, Osaka, Shizuoka, Toyama and Yamanashi; [1 JMA] in Saitama, Tokushima, Tottori and Wakayama. Moment Tensor Solution. $M_0$1.90000×10^{16}
MOS Error ellipse: s-maj=7.6km s-min=5.4km az=105.1.
JMA II 17 21 47 51.9 35.66N 136.32E 9
¶16191963
JMA II 17 22 44 43.1 35.66N 136.31E 10–1 2.5
¶15543603
JMA II 18 16 59 58.7 35.66N 136.32E 10–1 2.5
¶15543995
ISC II 20 22 17 22.4–1.2 35.65N–.04 136.30E–.03 5–13 14 0-2
NIED II 20 22 17 00 35.70N 136.30E 8 3.5W **¶14155186**
ISCJB II 20 22 17 22.1–.65 35.65N–.04 136.30E–.04 8–6 3.5W
JMA II 20 22 17 22.2 35.66N 136.31E 10–1 3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ89.00000°,λ7.00000°. NP2:ϕ_s55.00000°,δ83.00000°,λ179.00000°. $M_0$2.11000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.6km az=152.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s320.00000°,δ72.00000°,λ-22.00000°. NP2:ϕ_s57.00000°,δ69.00000°,λ-161.00000°. Principal axes: T Plg2.0000°,Azm9.0000°; N Plg62.0000°,Azm103.0000°; P Plg28.0000°,Azm278.0000°
JMA II 20 22 34 29.2 35.66N 136.31E 10–1 2.9
¶15544745
JMA Event type fe.
JMA II 22 03 40 48.6 35.57N 136.40E 13 3.7
NIED II 22 03 40 00 35.60N 136.40E 14 3.4W **¶11713513**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s345.00000°,δ50.00000°,λ72.00000°. NP2:ϕ_s191.00000°,δ43.00000°,λ110.00000°. Principal axes: T Plg76.0000°,Azm193.0000°; N Plg13.0000°,Azm356.0000°; P Plg4.0000°,Azm87.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s329.00000°,δ56.00000°,λ59.00000°. NP2:ϕ_s197.00000°,δ45.00000°,λ128.00000°. $M_0$1.41000×10^{14}
JMA III 03 23 13 17.8 34.91N 137.00E 37–1 3.1
¶15548485
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s223.00000°,δ87.00000°,λ16.00000°. NP2:ϕ_s133.00000°,δ74.00000°,λ177.00000°. Principal axes: T Plg13.0000°,Azm89.0000°; N Plg74.0000°,Azm233.0000°; P Plg9.0000°,Azm357.0000°
ISC III 31 21 39 13.9–.72 34.15N–.07 136.90E–.05 365–6 3.5b 55 0-83
ISCJB III 31 21 39 13.0–.42 34.13N–.05 136.91E–.06 369–3 3.4b **¶12636052**
JMA III 31 21 39 13.1–.20 34.17N 136.85E 371–2 2.9
IDC III 31 21 39 13.2–.76 34.07N 136.97E 356–9 3.3,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.6km az=144.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=19.9km s-min=11.6km az=76.0.
ISC IV 04 06 01 30.8–.70 34.02N–.07 136.53E–.06 371–5 3.4b 44 0-83
ISCJB IV 04 06 01 29.8–.40 34.00N–.06 136.54E–.07 376–2 3.4b **¶12934506**
JMA IV 04 06 01 30.0–.30 34.04N 136.47E 378–3 3.4
IDC IV 04 06 01 30.3–.82 33.98N 136.57E 365–8 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=7.5km az=145.3.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=15.1km s-min=10.0km az=107.0.
JMA IV 27 09 54 22.1 35.57N 136.40E 12 2.7
¶15418412
JMA Event type fe.
ISC IV 30 08 51 12.6–.59 34.20N–.06 136.88E–.05 346–5 3.7b 80 0-117
NIED IV 30 08 51 00 34.20N 136.90E 340 4.4W **¶12936514**
ISCJB IV 30 08 51 11.7–.29 34.18N–.05 136.90E–.04 351–2 3.7b
JMA IV 30 08 51 11.8–.20 34.19N 136.85E 352–2 3.8
IDC IV 30 08 51 12.4–.50 34.16N 136.90E 343–5 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ69.00000°,λ-139.00000°. NP2:ϕ_s287.00000°,δ52.00000°,λ-27.00000°. $M_0$3.86000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.7km az=164.3.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=10.7km s-min=8.7km az=58.0.
JMA V 02 07 41 15.7 35.15N 135.94E 15 2.6
¶15420250
JMA V 18 19 08 53.0 35.40N 136.77E 38 2.7
¶15426502
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s173.00000°,δ58.00000°,λ-61.00000°. NP2:ϕ_s306.00000°,δ43.00000°,λ-128.00000°. Principal axes: T Plg8.0000°,Azm242.0000°; N Plg25.0000°,Azm336.0000°; P Plg64.0000°,Azm135.0000°

ISC V 20 10 04 17.7–1.5 35.5N–.20 135.7E–.10 350 12 0-55
ISCJB V 20 10 04 17.1–.46 35.6N–.10 135.79E–.07 350 2.7b **¶13679301**
JMA V 20 10 04 17.1–.10 35.52N 135.68E 355–1 2.8
IDC V 20 10 04 20.5–1.2 35.45N 135.07E 406–16 2.6,2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=7.6km az=164.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=33.8km s-min=20.5km az=122.0.
ISC V 26 20 59 09.4–.77 34.75N–.08 136.97E–.08 328–6 2.9b 27 0-68
ISCJB V 26 20 59 08.3–.54 34.71N–.08 137.04E–.10 334–3 3.0b **¶13679700**
JMA V 26 20 59 08.7–.10 34.73N 137.02E 333–1 2.8
IDC V 26 20 59 09.2–.59 34.71N 136.96E 329–6 3.0,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=11.7km az=33.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=15.9km s-min=9.6km az=69.0.
ISC VI 03 07 09 47.4–.66 34.41N–.07 136.14E–.06 376–5 3.4b 46 0-95
ISCJB VI 03 07 09 46.5–.38 34.40N–.06 136.14E–.06 382–2 3.4b **¶13680338**
JMA VI 03 07 09 47.5–.10 34.42N 136.10E 375–1 3.3
IDC VI 03 07 09 47.3–.91 34.32N 136.17E 376–10 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.5km az=142.1.
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=14.9km s-min=10.6km az=104.0.
JMA VI 04 08 39 02.0 35.15N 135.93E 15 2.7
¶15432496
JMA Event type fe.
JMA VI 04 13 27 33.4 35.15N 135.93E 15 2.9
¶15432587
JMA Event type fe.
JMA VI 07 16 25 57.9 35.05N 132.22E 12 0.9
¶16595740
ISC VI 08 11 36 00.5–1.1 34.2N–.10 136.79E–.09 360–9 15 0-78
IDC VI 08 11 35 34.7–1.6 32.59N 135.73E 0 3.7,3.6 **¶13680895**
ISCJB VI 08 11 35 59.5–.77 34.2N–.10 136.8E–.10 364–7 3.0b,3.6
JMA VI 08 11 36 00.6–.40 34.27N 136.75E 363–4 2.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=95.9km s-min=26.1km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=18.6km s-min=13.6km az=5.4.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISC VI 10 04 07 02.8–.35 34.55N–.03 136.64E–.03 353–3 4.5b 437 0-151
TEH VI 10 04 06 23.0 35.03N 138.37E 32 5.0L **¶13046811**
BJI VI 10 04 06 57.9 34.43N 136.93E 344 5.2b,4.7b
NIED VI 10 04 07 00 34.60N 136.60E 380 5.1W,4.7b
MOS VI 10 04 07 01.7–.88 34.51N 136.69E 357 4.5b,4.7b
JMA VI 10 04 07 02.9–.20 34.61N 136.61E 355–2 5.0,4.7b
ISCJB VI 10 04 07 02.0–.18 34.55N–.02 136.68E–.03 359–1 4.6b,4.7b
NEIC VI 10 04 07 02.6–.32 34.46N 136.63E 352–3 5.1b,5.1W
IDC VI 10 04 07 02.7–.47 34.50N 136.69E 350–4 4.3,4.2
DJA VI 10 04 07 06.1–2.4 34N–7.0 137E–10 385–28 5.2b,5.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s91.00000°,δ88.00000°,λ10.00000°. NP2:ϕ_s1.00000°,δ80.00000°,λ178.00000°. $M_0$5.22000×10^{16}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s29.00000°,δ76.00000°,λ-157.00000°. NP2:ϕ_s293.00000°,δ67.00000°,λ-15.00000°. Principal axes: T Plg6.0000°,Azm160.0000°; N Plg63.0000°,Azm58.0000°; P Plg26.0000°,Azm253.0000°
ISCJB Event type fe.
NEIC Event type se. Moment Tensor Solution. $M_0$5.20000×10^{16}
ISC VI 26 17 05 13.9–1.2 34.35N–.04 136.12E–.03 4–9 3.6b 22 0-152
NIED VI 26 17 05 00 34.40N 136.10E 5 3.6W **¶13306823**
ISCJB VI 26 17 05 13.8–.52 34.34N–.03 136.11E–.03 6–4 3.5b
JMA VI 26 17 05 13.9 34.35N 136.11E 8 3.9
IDC VI 26 17 05 14.7–.88 34.42N 136.26E 0 3.5,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s100.00000°,δ88.00000°,λ-2.00000°. NP2:ϕ_s190.00000°,δ88.00000°,λ-178.00000°. $M_0$2.98000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=11.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s271.00000°,δ75.00000°,λ-19.00000°. NP2:ϕ_s6.00000°,δ72.00000°,λ-164.00000°. Principal axes: T Plg2.0000°,Azm319.0000°; N Plg66.0000°,Azm53.0000°; P Plg24.0000°,Azm228.0000°
IDC Error ellipse: s-maj=19.4km s-min=14.8km az=121.0.

(233) Near south coast of western Honshu.

ISC I 10 14 01 27.4–.82 34.79N–.10 135.77E–.08 370–7 2.9b 31 1-58
ISCJB I 10 14 01 26.4–.51 34.87N–.08 135.77E–.08 375–4 2.8b **¶15530340**
IDC I 10 14 01 27.4–1.3 34.84N 135.74E 363–14 3.0,2.9
JMA I 10 14 01 27.6–.10 34.99N 135.68E 365–2 3.1,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=9.0km az=148.6.
IDC Error ellipse: s-maj=22.9km s-min=15.3km az=103.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA I 13 22 18 13.7 34.97N 135.72E 7 3.2
¶15531272
JMA Event type fe.
ISC I 26 04 26 52.1–2.4 33.1N–.10 136.99E–.05 50–19 34 1-4
NIED I 26 04 26 00 33.10N 137.00E 11 3.5W **¶14146530**
JMA I 26 04 26 52.2–.10 33.12N 136.99E 55–1 3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ55.00000°,λ90.00000°. NP2:ϕ_s237.00000°,δ35.00000°,λ90.00000°. $M_0$2.12000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC II 04 20 41 49.8–1.4 33.22N–.08 135.29E–.04 19–4 3.6b 26 0-70
NIED II 04 20 41 00 33.20N 135.30E 11 3.9W **¶12699554**
ISCJB II 04 20 41 48.9–1.1 33.16N–.06 135.31E–.04 28–6 3.6b
JMA II 04 20 41 50.0 33.20N 135.34E 32–1 4.2
IDC II 04 20 41 52.0–4.5 33.51N 135.20E 20–29 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ78.00000°,λ-35.00000°. NP2:ϕ_s65.00000°,δ56.00000°,λ-165.00000°. $M_0$9.04000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.7km az=160.9.
JMA Event type fe.
IDC Error ellipse: s-maj=28.0km s-min=18.4km az=152.0.
JMA II 12 14 05 25.0 34.09N 135.21E 6–1 1.3
¶15541652
JMA II 17 21 46 15.8 34.04N 135.19E 7 1.0
¶16191962
ISC II 21 02 14 17.6–.79 34.4N–.10 135.98E–.07 379–5 3.7b 44 0-95
ISCJB II 21 02 14 16.9–.50 34.39N–.09 135.98E–.08 384–3 3.6b **¶12701388**
JMA II 21 02 14 17.5–.10 34.39N 135.94E 379–1 3.7
IDC II 21 02 14 17.8–1.2 34.35N 135.99E 380–6 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=9.7km az=167.7.
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=24.6km s-min=11.2km az=173.0.
JMA III 07 21 02 19.7 34.93N 135.57E 15–1 3.8
NIED III 07 21 02 00 34.90N 135.60E 17 3.5W **¶14160032**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s154.00000°,δ82.00000°,λ26.00000°. NP2:ϕ_s60.00000°,δ64.00000°,λ171.00000°. Principal axes: T Plg24.0000°,Azm20.0000°; N Plg63.0000°,Azm170.0000°; P Plg12.0000°,Azm284.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s154.00000°,δ86.00000°,λ22.00000°. NP2:ϕ_s63.00000°,δ68.00000°,λ176.00000°. $M_0$2.15000×10^{14}
ISC III 21 02 34 38.5–1.0 33.9N–.10 136.61E–.09 391–9 3.2b 28 0-57
ISCJB III 21 02 34 37.7–.63 33.9N–.10 136.6E–.10 398–8 3.1b **¶12635148**
JMA III 21 02 34 38.8–.20 33.84N 136.57E 388–2 2.9
IDC III 21 02 34 38.3–2.3 33.35N 136.93E 344–123 3.1,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.1km s-min=10.3km az=144.5.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.

IDC Error ellipse: s-maj=204.1km s-min=29.7km az=153.0.
ISC III 24 03 21 13.9–1.1 34.15N–.03 135.07E–.02 5–8 3.5b 35 0-77
NIED III 24 03 21 00 34.20N 135.10E 5 3.6W **¶12056209**
ISCJB III 24 03 21 13.3–.56 34.14N–.03 135.06E–.03 12–4 3.6b
IDC III 24 03 21 13.1–.83 34.07N 135.01E 0 3.7,3.7
JMA III 24 03 21 13.5 34.15N 135.07E 10–1 3.5,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ49.00000°,λ105.00000°. NP2:ϕ_s345.00000°,δ43.00000°,λ74.00000°. $M_0$2.87000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.9km az=19.2.
IDC Error ellipse: s-maj=18.2km s-min=14.4km az=148.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s207.00000°,δ60.00000°,λ132.00000°. NP2:ϕ_s326.00000°,δ50.00000°,λ41.00000°. Principal axes: T Plg54.0000°,Azm171.0000°; N Plg35.0000°,Azm3.0000°; P Plg6.0000° ,Azm269.0000°
ISC III 24 06 49 26.1–.96 34.14N–.03 135.07E–.02 13–8 25 0-54
ISCJB III 24 06 49 25.8–.59 34.14N–.03 135.07E–.03 11–5 3.2b **¶12635450**
JMA III 24 06 49 26.0 34.15N 135.07E 10–1 3.3
IDC III 24 06 49 37.2–1.9 34.39N 134.90E 119–21 3.1,3.0
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.0km az=29.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s208.00000°,δ64.00000°,λ117.00000°. NP2:ϕ_s339.00000°,δ37.00000°,λ47.00000°. Principal axes: T Plg61.0000°,Azm160.0000°; N Plg24.0000°,Azm16.0000°; P Plg15.0000° ,Azm279.0000°
IDC Error ellipse: s-maj=26.8km s-min=19.2km az=24.0.
ISC III 30 06 57 47.9–.78 34.37N–.09 135.85E–.07 382–6 3.0b 34 0-68
ISCJB III 30 06 57 46.9–.53 34.35N–.09 135.85E–.08 390–3 3.1b **¶12635922**
IDC III 30 06 57 47.8–1.2 34.31N 135.86E 383–13 3.1,2.9b
JMA III 30 06 57 48.3–.10 34.45N 135.79E 381–1 2.6,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=9.9km az=157.1.
IDC Error ellipse: s-maj=20.3km s-min=16.4km az=118.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC IV 05 07 40 56.9–1.0 34.08N–.04 135.59E–.03 57–7 34 0-42
IDC IV 05 07 40 55.8–5.2 33.91N 135.75E 65–29 3.4L,3.3 **¶12934579**
JMA IV 05 07 40 56.7–.10 34.06N 135.59E 61–1 3.2,3.3
ISCJB IV 05 07 40 56.0–.51 34.08N–.03 135.59E–.03 63–5 3.2b,3.3
ISC Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s355.00000°,δ80.00000°,λ-22.00000°. NP2:ϕ_s89.00000°,δ68.00000°,λ-169.00000°. Principal axes: T Plg8.0000°,Azm43.0000°; N Plg66.0000°,Azm151.0000°; P Plg23.0000° ,Azm310.0000°
ISCJB Event type fe.
ISC IV 06 21 28 21.0–.56 33.84N–.05 136.56E–.04 379–5 4.1b 187 0-156
MOS IV 06 21 28 19.6–.90 33.79N 136.53E 382 4.1b **¶12934613**
IDC IV 06 21 28 20.8–.64 33.80N 136.54E 376–6 3.9,3.8
ISCJB IV 06 21 28 20.6–.25 33.84N–.04 136.47E–.04 383–1 4.1b,3.8
NEIC IV 06 21 28 21.6–.65 33.88N 136.46E 375–5 4.1b,3.8
JMA IV 06 21 28 21.0–.10 33.85N 136.53E 382–2 3.2,3.8
ISC Event type ke.
MOS Error ellipse: s-maj=11.3km s-min=6.8km az=91.6.
IDC Error ellipse: s-maj=9.4km s-min=7.8km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.3km az=151.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.2km az=160.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IV 12 08 35 37.1–1.3 33.8N–.10 136.8E–.10 390–7 3.4b 28 0-70
ISCJB IV 12 08 35 36.3–.87 33.8N–.10 136.8E–.10 397–4 3.3b **¶12935113**
JMA IV 12 08 35 36.7–.20 33.79N 136.78E 393–2 2.8
IDC IV 12 08 35 36.4–4.3 33.75N 136.95E 395–14 3.1,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.3km s-min=11.7km az=146.8.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=90.6km s-min=30.0km az=158.0.
JMA IV 20 16 55 20.4 34.34N 133.45E 19–1 3.5
¶15416313
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s191.00000°,δ85.00000°,λ123.00000°. NP2:ϕ_s289.00000°,δ33.00000°,λ9.00000°. Principal axes: T Plg41.0000°,Azm132.0000°; N Plg33.0000°,Azm8.0000°; P Plg32.0000° ,Azm254.0000°
JMA V 13 07 48 27.6 34.96N 135.45E 10 3.0
¶15424750
JMA Event type fe.
JMA V 17 22 14 18.8 33.83N 135.57E 23–1 2.0
¶16555923
JMA V 28 03 01 21.7 34.96N 135.45E 10 3.4
¶15430012
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s136.00000°,δ57.00000°,λ53.00000°. NP2:ϕ_s10.00000°,δ48.00000°,λ133.00000°. Principal axes: T Plg59.0000°,Azm350.0000°; N Plg30.0000°,Azm158.0000°; P Plg5.0000° ,Azm251.0000°
JMA VI 04 17 11 47.8 34.91N 135.58E 13 2.6
¶15432649
ISC VI 05 20 51 40.9–1.2 34.08N–.04 135.76E–.03 43–9 33 0-57
ISCJB VI 05 20 51 39.8–.51 34.08N–.03 135.74E–.03 52–6 3.6b **¶13680575**
JMA VI 05 20 51 40.4 34.07N 135.74E 48–1 3.3
IDC VI 05 20 51 40.4–1.2 34.01N 135.78E 91–21 3.2,3.1
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.2km az=173.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s37.00000°,δ73.00000°,λ-160.00000°. NP2:ϕ_s301.00000°,δ70.00000°,λ-18.00000°. Principal axes: T Plg2.0000°,Azm169.0000°; N Plg64.0000°,Azm75.0000°; P Plg26.0000° ,Azm260.0000°
IDC Error ellipse: s-maj=26.5km s-min=9.7km az=8.0.
JMA VI 06 05 53 16.6 33.81N 135.44E 44–1 0.7
¶16871367
ISC VI 10 00 09 38.1–.92 33.87N–.09 136.71E–.07 383 3.1b 24 1-54
IDC VI 10 00 09 36.7–1.7 33.58N 136.78E 378–30 3.0,2.8 **¶13681081**
ISCJB VI 10 00 09 38.9–.58 33.94N–.10 136.67E–.08 383 2.9b,2.8
JMA VI 10 00 09 38.9–.40 33.89N 136.68E 383–4 3.0,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=59.8km s-min=21.1km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=8.5km az=175.8.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
JMA VI 20 17 24 15.4 34.89N 135.52E 9 3.2
¶15438951
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s156.00000°,δ73.00000°,λ-20.00000°. NP2:ϕ_s252.00000°,δ71.00000°,λ-162.00000°. Principal axes: T Plg1.0000°,Azm204.0000°; N Plg64.0000°,Azm296.0000°; P Plg26.0000° ,Azm114.0000°
ISC VI 24 14 36 23.6–1.0 33.9N–.10 136.84E–.09 359–10 2.9b 24 1-57
ISCJB VI 24 14 36 22.8–.74 33.9N–.10 136.88E–.09 369–7 2.8b **¶13681968**
JMA VI 24 14 36 23.0–.30 33.80N 136.78E 370–3 2.9
IDC VI 24 14 36 23.9–1.1 33.85N 136.77E 353–17 2.8,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=9.6km az=152.2.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=25.9km s-min=23.1km az=30.0.

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ISC I 09 08 18 15.5–1.7 27.01N–.06 126.72E–.06 8–11 3.2b 16 1-41
IDC I 09 08 18 10.7–7.2 26.36N 126.59E 0 3.4b,3.4 **¶12080818**
ISCJB I 09 08 18 14.2–1.4 27.04N–.07 126.63E–.06 7–10 3.1b,3.4
JMA I 09 08 18 15.6–.30 27.00N 126.62E 20 3.3,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=165.1km s-min=21.2km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=7.1km az=27.1.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC II 08 00 26 35.2–1.4 27.06N–.05 126.87E–.05 26–12 4.2b,4.0s 64 1-94
NIED II 08 00 26 00 27.20N 126.80E 5 4.7W,4.0s **¶12699757**
IDC II 08 00 26 31.8–.73 27.20N 126.91E 0 4.0s,4.0
JMA II 08 00 26 31.6–.20 27.19N 126.77E 11–2 4.9,4.0
ISCJB II 08 00 26 32.6–.93 27.18N–.04 126.80E–.04 18–8 4.1s,4.0b
MOS II 08 00 26 34.0–.96 27.21N 126.86E 28 4.7b,4.0b
NEIC II 08 00 26 35.3–1.9 27.18N 126.86E 25–15 4.7W,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ68.00000°,λ-145.00000°. NP2:ϕ_s264.00000°,δ58.00000°,λ-26.00000°. $M_0$1.16000×10^{16}
IDC Error ellipse: s-maj=23.9km s-min=13.6km az=45.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=5.2km az=157.9.
MOS Error ellipse: s-maj=20.3km s-min=9.8km az=105.7.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=6.6km az=133.0. Recorded [1 JMA] on Kuma-jima and Okinawa. Moment Tensor Solution. $M_0$1.20000×10^{16}
ISC II 09 12 51 12.8–.88 27.45N–.08 127.00E–.07 164–8 3.4b 34 1-78
ISCJB II 09 12 51 11.9–.49 27.47N–.08 126.98E–.08 163–7 3.4b **¶12699843**
IDC II 09 12 51 13.1–1.1 27.46N 127.03E 158–14 3.4,3.3b
JMA II 09 12 51 14.1–.30 27.60N 126.97E 142 3.4,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=5.3km az=140.2.
IDC Error ellipse: s-maj=34.8km s-min=17.9km az=69.0.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC III 26 19 19 58.6–.14 27.40N–.02 126.82E–.02 152 5.6b 1971 1-167
NIED III 26 19 19 00 27.50N 126.80E 150 5.9W **¶13437384**
SZGRF III 26 19 19 41.0 26.93N 128.03E 33 6.2b,5.1s
BJI III 26 19 19 51.2 27.01N 127.28E 135 6.0b,5.8b
MOS III 26 19 19 53.5–.94 27.45N 126.71E 117 5.8b,4.9s
DJA III 26 19 19 57.8–1.0 27N–5.0 127E–4.0 144–9 6.1,6.0b
TEH III 26 19 19 57.0 27.43N 126.77E 138 6.0L,6.0b
IDC III 26 19 19 58.6–.38 27.43N 126.87E 151–3 5.3,5.3
BGS III 26 19 19 58.4–2.3 27.42N 126.70E 160 5.2b,5.3
ISCJB III 26 19 19 58.7–.07 27.36N–.01 126.59E–.02 161 5.5b,5.3
JMA III 26 19 19 58.2–.20 27.47N 126.81E 139 5.6,5.3
NEIC III 26 19 19 59.6–.10 27.42N 126.70E 160 5.9W,5.9W
GCMT III 26 19 20 00.6–.10 27.32N 126.93E 161–0 5.9W,5.9W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ73.00000°,λ-57.00000°. NP2:ϕ_s126.00000°,δ37.00000°,λ-151.00000°. $M_0$7.58000×10^{17}
SZGRF Ryukyu Islands, Japan.
MOS Error ellipse: s-maj=6.1km s-min=3.6km az=112.4.
IDC Error ellipse: s-maj=7.7km s-min=5.7km az=60.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=41.5.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=3.1km az=147.0. Recorded [2 JMA] on Amami-oshima, Iheya-shima, Kume-jima, Okinawa, Okino-erabu-shima, Tokuno-shima, Tonaki-jima, Uke-jima, Yoro-jima and Yoron-jima; [1 JMA] on Aguni-jima, Ie-jima, Izena-shima, Kakeroma-jima and Kikaiga-shima. Moment Tensor Solution. s32 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s131.00000°,δ49.00000°,λ-152.00000°. NP2:ϕ_s22.00000° ,δ69.00000°,λ-44.00000°. Principal axes: T 1.0600,Plg11.0000°,Azm80.0000° ; N -0.1100,Plg41.0000°,Azm181.0000°; P -0.9500,Plg45.0000°,Azm338.0000° $M_0$1.00000×10^{18} Moment Tensor Solution. $M_0$7.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=123, comp=276, per= 50. Moment Tensor Solution. s109,c231; s69,c78; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.79±.06 $M_{\theta\theta}$-1.19±.06; $M_{\phi\phi}$4.98±.07; $M_{r\theta}$-2.48±.04; $M_{\theta\phi}$-2.87±.06; $M_{\phi r}$-4.76±.05; Best double couple: NP1:ϕ_s127.00000°,δ37.00000°,λ-149.00000°. NP2:ϕ_s11.00000°,δ72.00000°,λ-57.00000°. Principal axes: T 7.4100,Plg20.0000°,Azm77.0000°; N 0.3100,Plg31.0000°,Azm180.0000° ; P -7.7200,Plg52.0000°,Azm320.0000° $M_0$7.60000×10^{17}
ISC V 08 03 09 52.8–.93 27.1N–.10 126.63E–.08 132–12 3.4b 29 1-78
IDC V 08 03 09 35.0–8.2 26.62N 126.87E 0 3.7,3.5 **¶13678536**
ISCJB V 08 03 09 51.6–.53 27.1N–.10 126.61E–.10 129–12 3.2b,3.5
JMA V 08 03 09 53.2–.30 27.10N 126.62E 130–4 3.5,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=211.9km s-min=50.7km az=10.0.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=4.3km az=140.9.
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
JMA V 09 10 00 28.2–.30 28.08N 126.80E 174 3.8
NIED V 09 10 00 00 28.10N 126.80E 59 3.4W **¶14476822**
JMA Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ83.00000°,λ-48.00000°. NP2:ϕ_s100.00000°,δ42.00000°,λ-170.00000°. $M_0$1.56000×10^{14}
JMA VI 20 04 12 52.2–.30 29.15N 127.72E 173 3.6
¶15438757
JMA Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.

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JMA I 10 22 59 02.1–.10 30.54N 130.52E 73–1 3.6
¶15530451
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
JMA I 12 15 22 51.7 32.56N 129.99E 15–1 3.5
¶15530943
JMA Event type fe.
JMA I 16 16 03 57.3 33.27N 129.08E 13–1 3.5
NIED I 16 16 03 00 33.30N 129.10E 8 3.3W **¶14142240**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ84.00000°,λ-168.00000°. NP2:ϕ_s111.00000°,δ78.00000°,λ-6.00000°. $M_0$1.03000×10^{14}
ISC I 17 14 25 40.2–1.0 30.18N–.05 131.1E–.10 28 3.2b 19 0-71
NIED I 17 14 25 00 30.10N 131.30E 8 4.2W **¶12081544**
ISCJB I 17 14 25 37.9–.00 30.07N–.05 131.2E–.10 28 3.4b
IDC I 17 14 25 38.6–1.1 30.30N 130.44E 0 3.5,3.4b
JMA I 17 14 25 38.5–.30 30.12N 131.30E 34–2 3.5,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ84.00000°,λ89.00000°. NP2: ϕ_s199.00000°,δ6.00000°,λ100.00000°. $M_0$2.37000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=5.6km az=15.9.
IDC Error ellipse: s-maj=37.6km s-min=19.2km az=82.0.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
JMA I 17 14 25 55.1–.20 30.11N 131.32E 30–2 3.7
¶15532325
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC I 22 15 24 36.7–.71 30.12N–.03 131.26E–.05 30–4 4.6b,4.2s 210 1-88
NIED I 22 15 24 00 30.10N 131.30E 26 4.5W,4.2s **¶13433928**
BJI I 22 15 24 27.2 29.76N 131.83E 15 4.8b,4.4s
MOS I 22 15 24 35.2–.92 30.13N 131.17E 33 4.6b,4.4s
JMA I 22 15 24 36.0–.20 30.09N 131.33E 36–2 4.3,4.4s
NEIC I 22 15 24 36.1–1.9 30.13N 131.15E 26–14 4.6b,4.5W
ISCJB I 22 15 24 36.6–.53 30.12N–.03 131.25E–.05 48–3 4.4b,4.2s
IDC I 22 15 24 38.6–2.4 30.16N 131.08E 38–20 4.0,4.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ64.00000°,λ76.00000°. NP2:ϕ_s226.00000°,δ29.00000°,λ116.00000°. $M_0$7.33000×10^{15}
MOS Error ellipse: s-maj=11.5km s-min=6.3km az=116.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.7km az=137.0. Recorded [1 JMA] on Tanega-shima and Yaku-shima. Moment Tensor Solution. $M_0$7.30000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.1km az=23.4.
IDC Error ellipse: s-maj=16.9km s-min=12.4km az=88.0.
ISC I 24 17 33 38.0–.29 33.52N–.03 131.82E–.03 82 4.7b 506 0-98
NIED I 24 17 33 00 33.60N 131.90E 83 4.7W **¶13433979**
BJI I 24 17 33 31.4 33.12N 132.41E 81 4.9b,4.7b
MOS I 24 17 33 36.8–1.1 33.48N 131.69E 85 4.7b,4.7b
ISCJB I 24 17 33 37.5–.13 33.50N–.02 131.69E–.02 81 4.6b,4.7b
NEIC I 24 17 33 38.6–.15 33.52N 131.69E 82 4.8b,4.7W
JMA I 24 17 33 38.4 33.56N 131.88E 78–1 4.4,4.7W
IDC I 24 17 33 39.2–.63 33.54N 131.66E 89–5 4.2,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s185.00000°,δ76.00000°,λ-81.00000°. NP2:ϕ_s330.00000°,δ17.00000°,λ-124.00000°. $M_0$1.25000×10^{16}
MOS Error ellipse: s-maj=8.7km s-min=5.7km az=110.1.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.6km az=169.2.

NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=149.0. Felt [II] at Iwakuni, Honshu. Felt at Beppu and Oita, Kyushu. Recorded [2 JMA] in Oita and [1 JMA] in Fukuoka, Kumamoto, Miyazaki and Saga, Kyushu. Recorded [2 JMA] in Hiroshima and Yamaguchi and [1 JMA] in Shimane, Honshu. Also recorded [2 JMA] in Ehime and Kochi and [1 JMA] in Tokushima, Shikoku. Moment Tensor Solution. $M_0$1.30000×10^{16}

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s179.00000°,δ78.00000°,λ-77.00000°. NP2:ϕ_s310.00000°,δ18.00000°,λ-137.00000°. Principal axes: T Plg32.0000°,Azm258.0000°; N Plg13.0000°,Azm356.0000°; P Plg55.0000°,Azm105.0000°

IDC Error ellipse: s-maj=11.5km s-min=9.5km az=81.0.

JMA	**II**	**09 02 59 19.8**	**32.61N**	**130.71E**	**6–1**	**3.3**			
NIED	II	09 02 59 00	32.60N	130.70E	5	3.5W			¶11667456

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s309.00000°,δ69.00000°,λ47.00000°. NP2:ϕ_s199.00000°,δ47.00000°,λ151.00000°. Principal axes: T Plg47.0000°,Azm174.0000°; N Plg40.0000°,Azm328.0000°; P Plg13.0000°,Azm69.0000°

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s193.00000°,δ59.00000°,λ123.00000°. NP2:ϕ_s321.00000°,δ44.00000°,λ48.00000°. $M_0$2.08000×10^{14}

JMA	**II**	**11 23 51 27.0**	**33.04N**	**130.97E**	**12–1**	**0.5**			
									¶15541482
JMA	**II**	**15 09 23 21.9**	**31.97N**	**130.97E**	**9–1**	**0.2**			
									¶15542599
ISC	**II**	**19 10 08 09.1–1.3**	**30.21N–.04**	**131.12E–.06**	**32–10**	**3.6b**	**30**	**0-71**	
ISCJB	II	19 10 08 08.7–.65	30.13N–.04	131.20E–.06	50–7	3.5b,3.3s			¶12701229
JMA	II	19 10 08 09.1–.10	30.16N	131.19E	31–1	3.3,3.3s			
IDC	II	19 10 08 11.0–1.5	30.22N	130.89E	44–15	3.4,3.3			

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.3km az=21.7.

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

IDC Error ellipse: s-maj=26.9km s-min=8.9km az=102.0.

JMA	**III**	**14 14 32 52.2**	**31.31N**	**130.59E**	**9–1**	**0.8**			
									¶15552051
ISC	**III**	**18 23 11 36.3–1.2**	**32.53N–.05**	**131.94E–.04**	**38–2**	**4.0b**	**27**	**0-84**	
NIED	III	18 23 11 00	32.50N	132.00E	41	4.0W			¶12703620
ISCJB	III	18 23 11 35.5–.49	32.56N–.04	131.96E–.04	48–5	3.9b,3.4s			
JMA	III	18 23 11 36.2	32.54N	131.93E	36–1	4.0,3.4s			
IDC	III	18 23 11 36.6–2.5	32.52N	131.90E	45–17	3.8,3.7L			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s163.00000°,δ81.00000°,λ-77.00000°. NP2:ϕ_s287.00000°,δ16.00000°,λ-145.00000°. $M_0$1.07000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.8km az=155.9.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s349.00000°,δ86.00000°,λ79.00000°. NP2:ϕ_s238.00000°,δ11.00000°,λ159.00000°. Principal axes: T Plg48.0000°,Azm248.0000°; N Plg11.0000°,Azm350.0000°; P Plg40.0000°,Azm89.0000°

IDC Error ellipse: s-maj=38.5km s-min=14.2km az=13.0.

ISC	**III**	**19 10 40 07.5–1.4**	**31.89N–.03**	**129.43E–.04**	**4–9**	**4.0b,3.7s**	**67**	**0-88**	
NIED	III	19 10 40 00	31.80N	129.40E	5	4.4W,3.7s			¶12703669
ISCJB	III	19 10 40 07.1–.96	31.90N–.03	129.39E–.03	6–6	4.0b,3.7s			
IDC	III	19 10 40 07.9–.54	32.04N	129.32E	0	4.1,4.0			
JMA	III	19 10 40 07.4	31.85N	129.39E	11–1	4.3,4.0			
NEIC	III	19 10 40 12.8–2.3	32.04N	129.37E	34–17	4.3b,4.0			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s100.00000°,δ81.00000°,λ-38.00000°. NP2:ϕ_s197.00000°,δ53.00000°,λ-169.00000°. $M_0$3.85000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.3km az=17.5.

IDC Error ellipse: s-maj=17.4km s-min=12.7km az=76.0.

JMA Event type fe.

NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=6.9km az=81.0. Recorded [2 JMA] in Kagoshima and [1 JMA] in Kumamoto and Nagasaki.

ISC	**III**	**19 16 29 08.2–.68**	**31.05N–.05**	**130.39E–.07**	**146–5**	**3.6b**	**39**	**0-76**	
NIED	III	19 16 29 00	31.10N	130.40E	135	3.9W			¶12703697
ISCJB	III	19 16 29 06.9–.35	31.04N–.04	130.41E–.06	149–3	3.6b			
IDC	III	19 16 29 07.9–.78	31.06N	130.31E	141–8	3.6,3.5			
JMA	III	19 16 29 09.3–.10	31.09N	130.44E	139–1	3.6,3.5			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ78.00000°,λ57.00000°. NP2:ϕ_s244.00000°,δ35.00000°,λ158.00000°. $M_0$8.21000×10^{14}

ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.6km az=25.2.

IDC Error ellipse: s-maj=15.7km s-min=8.2km az=96.0.

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

JMA	**III**	**25 10 46 09.0**	**32.54N**	**130.95E**	**12**	**3.5**			
									¶15556137

JMA Event type fe.

ISC	**III**	**28 03 27 35.2–.50**	**33.57N–.04**	**131.84E–.04**	**90–3**	**3.8b**	**57**	**0-86**	
NIED	III	28 03 27 00	33.60N	131.80E	92	4.0W			¶13437491
ISCJB	III	28 03 27 34.0–.32	33.56N–.04	131.81E–.05	94–2	3.7b			
IDC	III	28 03 27 35.7–.47	33.56N	131.67E	92–4	3.7,3.6			
JMA	III	28 03 27 35.7	33.59N	131.83E	83–1	3.9,3.6			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ81.00000°,λ81.00000°. NP2:ϕ_s249.00000°,δ13.00000°,λ135.00000°. $M_0$1.30000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=6.2km az=146.1.

IDC Error ellipse: s-maj=11.9km s-min=8.6km az=129.0.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s32.00000°,δ74.00000°,λ78.00000°. NP2:ϕ_s250.00000°,δ20.00000°,λ126.00000°. Principal axes: T Plg59.0000°,Azm286.0000°; N Plg11.0000°,Azm36.0000°; P Plg28.0000°,Azm132.0000°

ISC	**III**	**30 21 59 52.6–.59**	**31.13N–.05**	**130.45E–.06**	**154–5**	**4.3b**	**206**	**0-123**	
NIED	III	30 21 59 00	31.10N	130.40E	155	4.2W			¶13437678
SZGRF	III	30 21 59 38.8	31.07N	130.97E	33	4.9b			
ISCJB	III	30 21 59 51.8–.27	31.14N–.04	130.45E–.05	157–2	4.2b			
MOS	III	30 21 59 51.8–.95	31.14N	130.40E	159	4.6b			
JMA	III	30 21 59 53.7–.10	31.14N	130.44E	148–1	4.1			
NEIC	III	30 21 59 53.0–.51	31.16N	130.40E	157–4	4.4b			
IDC	III	30 21 59 53.1–.89	31.19N	130.40E	156–7	3.9,3.9			
BJI	III	30 22 00 03.2	31.17N	130.21E	272	4.7b,4.5b			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ60.00000°,λ86.00000°. NP2:ϕ_s201.00000°,δ30.00000°,λ96.00000°. $M_0$1.92000×10^{15}

SZGRF Kyushu, Japan.

ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=30.7.

MOS Error ellipse: s-maj=12.3km s-min=6.1km az=113.3.

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.2km az=95.0.

IDC Error ellipse: s-maj=12.7km s-min=9.4km az=88.0.

ISC	**IV**	**05 09 36 26.5–.27**	**31.90N–.02**	**131.79E–.02**	**30–1**	**5.7b,5.5s**	**1586**	**0-167**	
NIED	IV	05 09 36 00	31.90N	131.90E	32	5.8W,5.5s			¶12742016
BJI	IV	05 09 36 20.4	31.68N	132.17E	26	6.0s,5.9b			
IDC	IV	05 09 36 21.8–.33	31.94N	131.51E	0	5.5,5.5s			
SZGRF	IV	05 09 36 21.0	31.94N	132.19E	41	6.4s,5.7b			
NEIC	IV	05 09 36 26.2–.12	32.01N	131.42E	26	5.8b,5.8W			
ISCJB	IV	05 09 36 26.1–.08	32.00N–.02	131.44E–.02	32	5.7b,5.7s			
JMA	IV	05 09 36 26.3–.10	31.93N	131.89E	28–1	5.6,5.7s			
MOS	IV	05 09 36 26.2–1.3	32.00N	131.40E	33	5.9b,5.8s			
DJA	IV	05 09 36 28.1–2.1	32N–6.0	132E–6.0	40–22	6.2b,6.1			
TEH	IV	05 09 36 28.0	31.97N	131.76E	40	5.9L,6.1			
GCMT	IV	05 09 36 30.9–.10	31.78N	132.06E	34–0	5.8W,6.1			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ74.00000°,λ84.00000°. NP2:ϕ_s216.00000°,δ17.00000°,λ110.00000°. $M_0$4.88000×10^{17}

IDC Error ellipse: s-maj=11.9km s-min=9.9km az=91.0.

SZGRF Southeast of Shikoku, Japan.

NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.8km az=156.0. Felt at Kanoya, Kumamoto, Kurume, Miyazaki, Saiki and Shimabara. Recorded [4 JMA] in Miyazaki; [3 JMA] in Kagoshima, Kumamoto and Oita; [2 JMA] in Fukuoka, Nagasaki and Saga. Recorded [2 JMA] in Shimane and Yamaguchi and [1 JMA] in Hiroshima and Tottori, Honshu. Also recorded [2 JMA] in Ehime and Kochi, Shikoku. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s89 Moment tensor: Scale 10^{17}Nm; M_{rr}2.73 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-1.86 $M_{r\theta}$1.38 $M_{\theta\phi}$0.46 $M_{\phi r}$2.94 Best double couple: NP1:ϕ_s15.00000°,δ73.00000°,λ102.00000°. NP2:ϕ_s160.00000°,δ21.00000°,λ57.00000°. Principal axes: T 4.5500,Plg60.0000°,Azm301.0000°; N -1.2400,Plg11.0000°,Azm191.0000°; P -3.3100,Plg26.0000°,Azm95.0000° $M_0$4.10000×10^{17} Moment Tensor Solution. $M_0$4.90000×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=146.0.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s58.00000°,δ71.00000°,λ78.00000°. NP2:ϕ_s271.00000°,δ22.00000°,λ121.00000°. Principal axes: T Plg62.0000°,Azm310.0000°; N Plg11.0000°,Azm62.0000°; P Plg25.0000°,Azm157.0000°

MOS Error ellipse: s-maj=10.5km s-min=4.9km az=115.8.

GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=105, comp=217, per= 50. Moment Tensor Solution. s101,c209; s54,c59; Moment tensor: Scale 10^{17}Nm; M_{rr}4.15±.06 $M_{\theta\theta}$-1.02±.04; $M_{\phi\phi}$-3.14±.05; $M_{r\theta}$1.98±.07; $M_{\theta\phi}$-1.83±.04; $M_{\phi r}$3.28±.08; Best double couple: NP1:ϕ_s209.00000°,δ24.00000°,λ89.00000°. NP2:ϕ_s31.00000°,δ66.00000°,λ91.00000°. Principal axes: T 5.6400,Plg69.0000°,Azm302.0000°; N 0.0300,Plg1.0000°,Azm210.0000°; P -5.6900,Plg21.0000°,Azm120.0000° $M_0$5.70000×10^{17}

ISC	**IV**	**05 09 53 18.3–1.3**	**31.88N–.04**	**131.85E–.05**	**29–9**	**3.9b**	**64**	**0-88**	
NIED	IV	05 09 53 00	31.90N	131.90E	32	4.4W			¶15559671
IDC	IV	05 09 53 14.2–.61	32.02N	131.58E	0	4.1,4.0			
NEIC	IV	05 09 53 16.0–.55	31.95N	131.75E	10	4.2b,4.0			
ISCJB	IV	05 09 53 17.1–.83	31.88N–.04	131.94E–.05	32–5	3.8b,4.0			
JMA	IV	05 09 53 18.4–.10	31.94N	131.87E	27–1	4.3,4.0			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ66.00000°,λ77.00000°. NP2:ϕ_s220.00000°,δ27.00000°,λ117.00000°. $M_0$4.58000×10^{15}

IDC Error ellipse: s-maj=19.8km s-min=15.2km az=100.0.

NEIC Event type fe. Error ellipse: s-maj=14.8km s-min=11.3km az=97.0. Recorded [1 JMA] in Kagoshima, Kumamoto, Miyazaki and Oita.

ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=6.3km az=24.9.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s31.00000°,δ80.00000°,λ81.00000°. NP2:ϕ_s254.00000°,δ14.00000°,λ132.00000°. Principal axes: T Plg54.0000°,Azm290.0000°; N Plg9.0000°,Azm33.0000°; P Plg34.0000°,Azm129.0000°

JMA	**IV**	**10 11 01 59.4**	**31.51N**	**129.65E**	**13–1**	**3.7**			
NIED	IV	10 11 01 00	31.50N	129.60E	5	3.3W			¶14466470

JMA Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s172.00000°,δ62.00000°,λ-142.00000°. NP2:ϕ_s62.00000°,δ57.00000°,λ-34.00000°. $M_0$1.18000×10^{14}

ISC	**IV**	**11 11 58 17.7–.64**	**31.30N–.05**	**130.74E–.06**	**112–5**	**4.0b**	**57**	**0-85**	
NIED	IV	11 11 58 00	31.30N	130.70E	110	4.2W			¶13438379
ISCJB	IV	11 11 58 16.7–.32	31.32N–.04	130.74E–.05	118–2	4.0b			
JMA	IV	11 11 58 18.4–.10	31.31N	130.76E	106–1	3.8			
IDC	IV	11 11 58 19.5–1.3	31.46N	130.71E	124–10	3.7,3.7			

ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ87.00000°,λ93.00000°. NP2:ϕ_s154.00000°,δ4.00000°,λ47.00000°. $M_0$1.93000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.8km az=22.0.

JMA Event type fe.

IDC Error ellipse: s-maj=16.3km s-min=13.5km az=47.0.

JMA	**IV**	**17 14 38 37.7**	**31.99N**	**130.26E**	**10–1**	**0.5**			
									¶15415099
JMA	**IV**	**19 10 51 32.3–.10**	**32.09N**	**130.88E**	**117–1**	**3.0**			
IDC	IV	19 10 51 31.0–1.2	32.02N	130.82E	120–13	3.3,3.0			¶12935675

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=45.2km s-min=22.7km az=99.0.

ISC	**IV**	**22 11 24 11.9–.36**	**30.13N–.03**	**131.12E–.04**	**26–1**	**4.9b,4.4s**	**342**	**1-117**	
NIED	IV	22 11 24 00	30.10N	131.30E	26	4.9W,4.4s			¶13438987
BJI	IV	22 11 24 08.4	29.88N	131.50E	38	4.9b,4.8s			
JMA	IV	22 11 24 11.0–.10	30.06N	131.32E	37–2	4.8,4.8s			
ISCJB	IV	22 11 24 12.9–.48	30.15N–.03	131.01E–.03	46–3	4.8b,4.4s			
NEIC	IV	22 11 24 12.1–.19	30.12N	131.00E	27	4.9b,4.9W			
MOS	IV	22 11 24 12.3–.90	30.36N	130.97E	33	5.0b,4.2s			
IDC	IV	22 11 24 13.4–2.5	30.14N	131.05E	40–21	4.5,4.4			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ65.00000°,λ75.00000°. NP2:ϕ_s230.00000°,δ29.00000°,λ119.00000°. $M_0$2.71000×10^{16}

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

ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.0km az=41.4.

NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.4km az=155.0. Recorded [2 JMA] on Tanega-shima and [1 JMA] on Yaku-shima. Also recorded [1 JMA] in Kagoshima, Kyushu. Moment Tensor Solution. $M_0$2.70000×10^{16}

MOS Error ellipse: s-maj=8.9km s-min=5.3km az=110.9.

IDC Error ellipse: s-maj=13.8km s-min=13.0km az=52.0.

ISC	**IV**	**22 11 31 55.6–1.2**	**30.05N–.06**	**131.27E–.07**	**31–7**	**4.0b**	**61**	**1-89**	
NEIC	IV	22 11 31 55.4	30.05N	131.32E	34	4.3b			¶12935959
JMA	IV	22 11 31 55.3–.20	30.05N	131.32E	33–2	4.0			
ISCJB	IV	22 11 31 56.3–.71	30.08N–.04	131.29E–.05	50–5	4.0b			
IDC	IV	22 11 31 59.7–2.1	30.21N	131.26E	62–18	3.8,3.7			
NIED	IV	22 11 32 00	30.00N	131.30E	23	4.2W,3.7			

ISC Event type fe.

NEIC Event type fe. Recorded [1 JMA] on Tanega-shima. After JMA.

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

ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.7km az=39.1.

IDC Error ellipse: s-maj=17.8km s-min=14.1km az=61.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ64.00000°,λ76.00000°. NP2:ϕ_s239.00000°,δ29.00000°,λ117.00000°. $M_0$2.37000×10^{15}

ISC	**IV**	**22 12 41 34.3–2.7**	**30.08N–.06**	**131.3E–.10**	**32–16**	**3.2b**	**22**	**1-71**	
IDC	IV	22 12 41 32.2–1.5	30.26N	130.87E	0	3.5b,3.5			¶12935956
ISCJB	IV	22 12 41 33.2–1.4	30.06N–.04	131.38E–.07	33–9	3.4b,3.5			
JMA	IV	22 12 41 33.0–.20	30.04N	131.36E	32–2	3.4,3.5			

ISC Event type ke.

IDC Error ellipse: s-maj=44.3km s-min=24.1km az=90.0.

ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.9km az=28.0.

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

JMA	**V**	**06 14 39 29.3**	**32.06N**	**129.84E**	**10–1**	**3.3**			
NIED	V	06 14 39 00	32.10N	129.90E	5	3.7W			¶14475961

JMA Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s291.00000°,δ79.00000°,λ-52.00000°. NP2:ϕ_s35.00000°,δ39.00000°,λ-163.00000°. $M_0$4.37000×10^{14}

JMA	**V**	**11 18 55 48.0–.20**	**30.68N**	**129.13E**	**19–2**	**3.9**			
NIED	V	11 18 55 00	30.70N	129.10E	14	3.8W			¶14477768

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ83.00000°,λ-168.00000°. NP2:ϕ_s88.00000°,δ78.00000°,λ-8.00000°. $M_0$5.80000×10^{14}

ISC	**V**	**20 07 50 08.7–.79**	**31.31N–.06**	**130.34E–.10**	**166–6**	**3.6b**	**23**	**0-75**	
ISCJB	V	20 07 50 07.6–.50	31.31N–.06	130.4E–.10	171–3	3.5b			¶13679296
IDC	V	20 07 50 09.1–1.4	31.35N	130.19E	170–14	3.4,3.2			
JMA	V	20 07 50 09.4–.10	31.34N	130.43E	163–1	3.3,3.2			

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=9.2km az=179.1.

IDC Error ellipse: s-maj=31.7km s-min=16.1km az=83.0.

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA	**V**	**24 13 12 27.1**	**32.05N**	**130.96E**	**8–1**	**0.3**			
									¶15428646
ISC	**V**	**30 21 49 02.3–1.0**	**32.57N–.04**	**129.96E–.04**	**7–7**	**3.3b**	**21**	**0-58**	
IDC	V	30 21 49 00.4–1.0	32.48N	130.00E	0	3.3,3.2			¶13679997
NIED	V	30 21 49 00	32.60N	130.00E	11	3.6W,3.2			
ISCJB	V	30 21 49 01.1–.65	32.53N–.04	129.93E–.05	15–3	3.1b,3.2			
JMA	V	30 21 49 01.8	32.57N	129.96E	13–1	3.7,3.2			

ISC Event type ke.

IDC Error ellipse: s-maj=19.8km s-min=11.0km az=137.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s321.00000°,δ87.00000°,λ-10.00000°. NP2:ϕ_s51.00000°,δ80.00000°,λ-176.00000°. $M_0$2.76000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=5.1km az=44.8.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s53.00000°,δ77.00000°,λ-151.00000°. NP2:ϕ_s316.00000°,δ62.00000°,λ-15.00000°. Principal axes: T Plg10.0000°,Azm182.0000°; N Plg58.0000°,Azm76.0000°; P Plg30.0000°,Azm278.0000°

ISC	**VI**	**02 23 54 29.1–1.7**	**31.63N–.05**	**131.7E–.10**	**40–14**	**3.3b**	**17**	**0-55**	
ISCJB	VI	02 23 54 28.5–1.1	31.62N–.04	131.8E–.10	48–8	3.2b			¶13680262
JMA	VI	02 23 54 28.9–.10	31.62N	131.73E	44–1	3.4			
IDC	VI	02 23 54 29.1–5.6	30.88N	129.83E	0	3.5,3.4			

ISC Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=15.2km s-min=7.5km az=179.8.
JMA Event type fe.
IDC Error ellipse: s-maj=286.0km s-min=23.5km az=63.0.
JMA VI 07 12 25 38.6 33.31N 131.38E 7–1
¶15434006
ISC VI 10 02 44 30.5–.79 31.69N–.07 130.72E–.07 118–6 3.5b 24 0-85
ISCJB VI 10 02 44 29.7–.53 31.71N–.07 130.67E–.08 122–3 3.4b **¶13681091**
JMA VI 10 02 44 31.2 31.68N 130.74E 113–1 3.2
IDC VI 10 02 44 33.5–4.1 32.02N 130.52E 131–17 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=9.9km az=42.6.
IDC Error ellipse: s-maj=61.4km s-min=24.5km az=2.0.
ISC VI 13 13 51 37.4–.90 31.28N–.06 130.45E–.08 151 3.3b 20 0-86
ISCJB VI 13 13 51 36.9–.54 31.24N–.06 130.50E–.08 151 3.3b **¶13681284**
IDC VI 13 13 51 36.7–1.5 31.22N 130.51E 145–22 3.4,3.2b
JMA VI 13 13 51 38.3–.10 31.30N 130.47E 149–1 3.4,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.1km az=27.0.
IDC Error ellipse: s-maj=37.1km s-min=21.3km az=121.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
JMA VI 18 23 54 01.5 32.90N 130.82E 12–1 1.0
¶15438306
ISC VI 25 14 03 57.3–.48 33.29N–.03 130.79E–.04 18–2 4.7b,4.2s 220 0-160
BJI VI 25 14 03 55.8 33.25N 130.63E 7 4.6b,4.5b **¶13256751**
ISCJB VI 25 14 03 56.0–.46 33.33N–.03 130.81E–.04 21–3 4.6b,4.2s
NEIC VI 25 14 03 56.3–.94 33.28N 130.75E 14–6 4.8b,4.5W
JMA VI 25 14 03 56.7 33.37N 130.89E 12 4.7,4.5W
MOS VI 25 14 03 57.5–1.1 33.27N 130.85E 33 4.9b,4.5W
IDC VI 25 14 03 57.1–.59 33.28N 130.87E 16–5 4.4,4.3
NIED VI 25 14 04 00 33.40N 130.90E 8 4.5W,4.3
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.2km az=17.2.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=5.0km az=137.0. Recorded [4 JMA] in Fukuoka and Oita; [2 JMA] in Kumamoto and Miyazaki; [1 JMA] in Nagasaki and Saga. Recorded [3 JMA] in Yamaguchi and [2 JMA] in Hiroshima and Shimane, Honshu and [1 JMA] in Ehime, Shikoku. Moment Tensor Solution. $M_0$7.50000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s82.00000°,δ46.00000°,λ-95.00000°. NP2:ϕ_s270.00000°,δ44.00000°,λ-84.00000°. Principal axes: T Plg1.0000°,Azm176.0000°; N Plg4.0000°,Azm86.0000°; P Plg86.0000°,Azm278.0000°
MOS Error ellipse: s-maj=8.8km s-min=5.4km az=99.9.
IDC Error ellipse: s-maj=13.0km s-min=11.0km az=72.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s69.00000°,δ54.00000°,λ-120.00000°. NP2:ϕ_s294.00000°,δ46.00000°,λ-55.00000°. $M_0$7.50000×10^{15}
JMA VI 26 18 56 37.6 33.37N 130.91E 10–1 -0.1
¶15441775
ISC VI 28 00 35 28.9–.78 32.97N–.03 129.92E–.04 11–5 3.9b 53 0-85
NIED VI 28 00 35 00 33.00N 129.90E 5 4.1W **¶13307132**
ISCJB VI 28 00 35 27.8–.52 32.99N–.03 129.90E–.04 14–3 3.8b,2.9s
IDC VI 28 00 35 27.0–.74 32.95N 129.86E 0 3.9,3.8
NEIC VI 28 00 35 28.4 32.98N 129.90E 22 4.0b,3.8
JMA VI 28 00 35 28.4 32.98N 129.90E 12–1 4.0,3.8
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ65.00000°,λ-142.00000°. NP2:ϕ_s300.00000°,δ56.00000°,λ-30.00000°. $M_0$1.74000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.2km az=148.5.
IDC Error ellipse: s-maj=16.9km s-min=9.4km az=179.0.
NEIC Event type fe. Felt at Sasebo. Recorded [3 JMA] in Saga; [2 JMA] in Nagasaki; [1 JMA] in Fukuoka and Kumamoto. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s51.00000°,δ70.00000°,λ-141.00000°. NP2:ϕ_s306.00000°,δ54.00000°,λ-25.00000°. Principal axes: T Plg10.0000°,Azm175.0000°; N Plg47.0000°,Azm74.0000°; P Plg41.0000°,Azm274.0000°
JMA VI 29 16 20 43.8 32.98N 129.89E 12–1 1.0
¶16606193
ISC VI 29 16 21 17.7–.00 32.97N–.03 129.90E–.04 8–6 3.7b 27 0-85
NIED VI 29 16 21 00 33.00N 129.90E 8 4.1W **¶13307334**
ISCJB VI 29 16 21 16.9–.56 32.98N–.03 129.88E–.05 14–3 3.6b
IDC VI 29 16 21 16.3–.78 32.99N 129.87E 0 3.8,3.7
JMA VI 29 16 21 17.4 32.98N 129.89E 13–1 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s296.00000°,δ66.00000°,λ-42.00000°. NP2:ϕ_s46.00000°,δ52.00000°,λ-150.00000°. $M_0$1.47000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.6km az=157.9.
IDC Error ellipse: s-maj=14.9km s-min=9.0km az=4.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s48.00000°,δ71.00000°,λ-142.00000°. NP2:ϕ_s304.00000°,δ55.00000°,λ-24.00000°. Principal axes: T Plg10.0000°,Azm173.0000°; N Plg48.0000°,Azm72.0000°; P Plg40.0000°,Azm271.0000°
ISC VI 29 21 18 14.3–.63 30.91N–.05 130.38E–.06 134–5 4.1b 63 0-76
NIED VI 29 21 18 00 30.90N 130.40E 125 4.0W **¶13682277**
ISCJB VI 29 21 18 13.1–.33 30.90N–.04 130.40E–.06 140–2 4.0b
NEIC VI 29 21 18 15.0–.56 30.93N 130.35E 142–6 4.0b
JMA VI 29 21 18 15.5–.10 30.92N 130.38E 125–1 3.5
IDC VI 29 21 18 15.1–1.5 30.99N 130.36E 141–12 3.8b,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ77.00000°,λ108.00000°. NP2:ϕ_s156.00000°,δ22.00000°,λ37.00000°. $M_0$1.13000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.0km az=27.1.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.9km az=120.0.
JMA Event type fe.
IDC Error ellipse: s-maj=21.5km s-min=14.1km az=77.0.

(236) Shikoku.

ISC I 18 17 09 37.4–.92 33.67N–.05 132.15E–.04 56–7 3.5b 27 0-68
ISCJB I 18 17 09 36.5–.53 33.67N–.04 132.15E–.05 64–5 3.5b **¶12081660**
JMA I 18 17 09 37.7 33.68N 132.17E 54 3.7
IDC I 18 17 09 38.9–3.0 33.75N 132.07E 72–30 3.3,3.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.3km az=43.3.
JMA Event type fe.
IDC Error ellipse: s-maj=37.4km s-min=19.0km az=43.0.
ISC III 28 13 53 29.8–1.1 33.84N–.03 132.75E–.04 33–4 26 0-24
NIED III 28 13 53 00 33.80N 132.70E 50 3.7W **¶12635775**
IDC III 28 13 53 28.8–3.1 33.83N 132.81E 22–23 3.3,3.2
ISCJB III 28 13 53 29.0–.47 33.85N–.03 132.74E–.05 40–8 3.1b,3.2
JMA III 28 13 53 29.0 33.85N 132.74E 44 3.7,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ86.00000°,λ-16.00000°. NP2:ϕ_s295.00000°,δ74.00000°,λ-175.00000°. $M_0$3.51000×10^{14}
IDC Error ellipse: s-maj=28.1km s-min=15.3km az=153.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.7km az=174.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s19.00000°,δ84.00000°,λ12.00000°. NP2:ϕ_s288.00000°,δ78.00000°,λ174.00000°. Principal axes: T Plg13.0000°,Azm244.0000°; N Plg76.0000°,Azm46.0000°; P Plg4.0000°,Azm153.0000°
ISC IV 21 11 43 39.5–.71 33.26N–.05 132.41E–.04 41 4.0b 29 0-83
NIED IV 21 11 43 00 33.30N 132.40E 32 3.9W **¶12638907**
ISCJB IV 21 11 43 38.5–.40 33.29N–.04 132.39E–.04 41 3.8b,3.1s
JMA IV 21 11 43 39.3 33.30N 132.39E 39 4.0,3.1s
IDC IV 21 11 43 40.9–2.1 33.29N 132.37E 55–20 3.8,3.7L
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ54.00000°,λ-128.00000°. NP2:ϕ_s224.00000°,δ50.00000°,λ-49.00000°. $M_0$9.16000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.2km az=170.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s343.00000°,δ70.00000°,λ-108.00000°. NP2:ϕ_s207.00000°,δ27.00000°,λ-50.00000°. Principal axes: T Plg23.0000°,Azm87.0000°; N Plg17.0000°,Azm350.0000°; P Plg61.0000°,Azm227.0000°
IDC Error ellipse: s-maj=18.7km s-min=12.9km az=106.0.
JMA IV 29 23 07 30.8 33.98N 132.74E 46 3.5
NIED IV 29 23 07 00 34.00N 132.70E 47 3.5W **¶14473240**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s149.00000°,δ82.00000°,λ-115.00000°. NP2:ϕ_s42.00000°,δ26.00000°,λ-18.00000°. Principal axes: T Plg33.0000°,Azm259.0000°; N Plg24.0000°,Azm152.0000°; P Plg47.0000°,Azm33.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ72.00000°,λ-82.00000°. NP2:ϕ_s324.00000°,δ20.00000°,λ-114.00000°. $M_0$2.12000×10^{14}
JMA V 02 02 11 34.7 33.84N 135.00E 13–1 0.9
¶15420203
JMA V 15 01 03 47.7–.10 32.10N 132.05E 28–2 2.6
¶15425307
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC V 18 04 21 29.5–.86 32.48N–.06 132.07E–.05 33–2 3.6b 23 1-71
NIED V 18 04 21 00 32.50N 132.10E 32 3.9W **¶13679158**
ISCJB V 18 04 21 28.8–.61 32.48N–.06 132.06E–.06 43–6 3.5b,3.2s
JMA V 18 04 21 29.2 32.48N 132.07E 27–1 3.9,3.2s
IDC V 18 04 21 29.4–.97 32.43N 131.82E 32–6 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ83.00000°,λ-78.00000°. NP2:ϕ_s345.00000°,δ13.00000°,λ-151.00000°. $M_0$6.99000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=6.2km az=143.0.
JMA Event type fe.
IDC Error ellipse: s-maj=31.0km s-min=19.3km az=78.0.
JMA V 27 03 03 12.2–.20 32.01N 132.19E 19–3 3.5
NIED V 27 03 03 00 32.00N 132.20E 26 3.6W **¶14482915**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ63.00000°,λ86.00000°. NP2:ϕ_s217.00000°,δ27.00000°,λ98.00000°. $M_0$3.03000×10^{14}
JMA V 31 00 36 26.0 33.95N 134.70E 41–1 3.5
NIED V 31 00 36 00 34.00N 134.70E 32 3.4W **¶14484092**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s162.00000°,δ79.00000°,λ-158.00000°. NP2:ϕ_s67.00000°,δ69.00000°,λ-12.00000°. Principal axes: T Plg7.0000°,Azm293.0000°; N Plg66.0000°,Azm187.0000°; P Plg23.0000°,Azm26.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s69.00000°,δ74.00000°,λ-22.00000°. NP2:ϕ_s165.00000°,δ69.00000°,λ-162.00000°. $M_0$1.46000×10^{14}
JMA VI 06 05 10 27.4–.10 33.53N 132.06E 57–1 0.5
¶15433278
ISC VI 14 10 17 55.4–.70 33.13N–.04 132.09E–.03 61–6 4.3b 69 0-123
ISCJB VI 14 10 17 54.1–.31 33.13N–.04 132.09E–.03 68–3 4.1b **¶13681351**
JMA VI 14 10 17 55.5 33.11N 132.11E 56–1 4.2
NEIC VI 14 10 17 55.7–.62 33.14N 131.99E 64–5 4.5b,4.2W
IDC VI 14 10 17 57.5–1.2 33.12N 131.81E 78–9 4.0,3.9b
NIED VI 14 10 18 00 33.10N 132.10E 44 4.3W,3.9b
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.6km az=159.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s130.00000°,δ85.00000°,λ-158.00000°. NP2:ϕ_s38.00000°,δ69.00000°,λ-6.00000°. Principal axes: T Plg11.0000°,Azm262.0000°; N Plg68.0000°,Azm144.0000°; P Plg19.0000°,Azm356.0000°
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=8.5km az=93.0. Recorded [2 JMA] in Kumamoto, Miyazaki and Oita. Also recorded [2 JMA] in Ehime and Kochi, Shikoku and [1 JMA] in Hiroshima and Yamaguchi, Honshu. Moment Tensor Solution. $M_0$2.90000×10^{15}
IDC Error ellipse: s-maj=20.1km s-min=10.9km az=79.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ75.00000°,λ152.00000°. NP2:ϕ_s48.00000°,δ63.00000°,λ16.00000°. $M_0$2.92000×10^{15}
ISC VI 19 19 22 19.1–.48 32.91N–.05 134.97E–.03 28–2 4.5b,4.3s 207 1-88
NIED VI 19 19 22 00 32.80N 135.10E 5 4.4W,4.3s **¶13201566**
IDC VI 19 19 22 14.1–.66 32.78N 135.02E 0 4.2,4.1
ISCJB VI 19 19 22 15.4–.78 32.83N–.03 134.97E–.03 19–4 4.4b,4.2s
NEIC VI 19 19 22 15.7–.46 32.75N 134.92E 10 4.6b,4.4W
JMA VI 19 19 22 15.1–.10 32.75N 135.06E 50–2 4.3,4.4W
BJI VI 19 19 22 16.3 32.74N 135.01E 26 4.8b,4.7s
MOS VI 19 19 22 17.8–1.1 32.94N 135.01E 33 4.7b,4.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ79.00000°,λ44.00000°. NP2:ϕ_s121.00000°,δ47.00000°,λ165.00000°. $M_0$4.66000×10^{15}
IDC Error ellipse: s-maj=17.0km s-min=16.4km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.7km az=161.6.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.9km az=161.0. Moment Tensor Solution. $M_0$4.70000×10^{15}
MOS Error ellipse: s-maj=10.7km s-min=6.1km az=109.6.
ISC VI 22 10 42 43.6–1.5 32.32N–.05 132.18E–.05 25–12 19 1-40
NIED VI 22 10 42 00 32.30N 132.20E 20 3.8W **¶13681836**
IDC VI 22 10 42 41.2–3.5 31.75N 131.22E 0 3.2,3.1
JMA VI 22 10 42 43.9 32.32N 132.14E 21–1 3.7,3.1
ISCJB VI 22 10 42 44.1–.85 32.34N–.05 132.15E–.05 28–7 3.0b,3.1
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ77.00000°,λ79.00000°. NP2:ϕ_s253.00000°,δ17.00000°,λ129.00000°. $M_0$5.01000×10^{14}
JMA Event type fe.
ISCJB Event type fe.
JMA VI 27 07 53 09.1–.10 32.11N 132.09E 14–3 3.6
NIED VI 27 07 53 00 32.10N 132.10E 20 3.7W **¶15442095**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ71.00000°,λ91.00000°. NP2:ϕ_s208.00000°,δ19.00000°,λ87.00000°. $M_0$3.48000×10^{14}
ISC VI 27 09 00 58.2–1.2 32.13N–.05 132.00E–.05 29–9 3.4b 23 0-84
JMA VI 27 09 00 57.9–.10 32.12N 132.05E 9–3 4.0 **¶15442127**
IDC VI 27 09 00 57.9–2.8 32.00N 131.83E 35–20 3.4,3.4L
NIED VI 27 09 01 00 32.10N 132.10E 20 3.9W,3.4L
ISC Event type ke.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=25.8km s-min=19.3km az=60.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ73.00000°,λ84.00000°. NP2:ϕ_s231.00000°,δ18.00000°,λ109.00000°. $M_0$9.31000×10^{14}

(237) Southeast of Shikoku.

JMA III 19 08 20 01.0–.20 30.16N 132.40E 54 2.4
¶15554275
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC IV 08 20 07 20.6–2.6 30.2N–.10 132.3E–.10 73–42 14 1-54
IDC IV 08 20 07 16.2–1.6 30.30N 132.88E 0 2.6,2.6s **¶12934779**
JMA IV 08 20 07 18.4–.10 30.16N 132.39E 54 3.1,2.6s
ISC Event type ke.
IDC Error ellipse: s-maj=59.8km s-min=27.0km az=86.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC IV 30 18 33 28.5–.76 30.81N–.05 132.52E–.04 26–5 3.9b 46 1-85
NIED IV 30 18 33 00 30.70N 132.50E 5 4.2W **¶15419703**
ISCJB IV 30 18 33 26.5–1.7 30.79N–.05 132.57E–.04 26–13 3.7b,3.1s
JMA IV 30 18 33 26.8–.10 30.69N 132.55E 58 3.8,3.1s
IDC IV 30 18 33 28.7–.66 30.77N 132.44E 26–5 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ65.00000°,λ-86.00000°. NP2:ϕ_s6.00000°,δ25.00000°,λ-99.00000°. $M_0$1.95000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.1km az=2.9.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=19.7km s-min=13.6km az=78.0.

(238) Ryukyu Islands.

ISC I 02 23 10 12.5–1.0 29.36N–.05 129.9E–.10 49–10 3.6b 28 0-75
NIED I 02 23 10 00 29.30N 130.00E 44 3.9W **¶12079857**
JMA I 02 23 10 11.7 29.33N 130.04E 50–2 3.7
ISCJB I 02 23 10 11.7–.46 29.35N–.04 130.0E–.10 58–5 3.6b
IDC I 02 23 10 14.3–2.0 29.37N 129.92E 65–21 3.6,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ58.00000°,λ108.00000°. NP2:ϕ_s184.00000°,δ36.00000°,λ64.00000°. $M_0$9.39000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=15.5km s-min=4.3km az=18.1.
IDC Error ellipse: s-maj=28.1km s-min=13.0km az=102.0.

ISC I 04 21 18 01.2–1.0 28.06N–.08 129.44E–.09 22–7 3.1b 26 0-72
IDC I 04 21 17 55.1–5.9 27.97N 129.93E 0 3.6,3.5 **¶12080289**
JMA I 04 21 18 00.9 28.08N 129.42E 32–1 3.5,3.5
NIED I 04 21 18 00 28.10N 129.40E 41 3.8W,3.5
ISCJB I 04 21 18 00.8–.66 28.08N–.07 129.4E–.10 29–5 3.2b,3.5
ISC Event type fe.
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s106.00000°,δ78.00000°,λ111.00000°. NP2:ϕ_s224.00000°,δ24.00000°,λ31.00000°. $M_0$5.26000×10^{14}
ISCJB Event type fe.
ISC I 06 06 53 55.0–.89 26.40N–.06 128.96E–.05 27 3.2b 17 1-46
IDC I 06 06 53 53.5–2.6 26.32N 128.52E 0 3.4,3.2b **¶12080474**
ISCJB I 06 06 53 54.1–.60 26.40N–.06 129.00E–.04 27 3.1b,3.2b
JMA I 06 06 53 54.3–.20 26.39N 129.01E 31–3 2.8,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=147.0km s-min=18.0km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.4km az=7.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC I 06 06 56 50.6–.50 26.38N–.06 128.93E–.04 27 4.3b 79 1-85
NIED I 06 06 56 00 26.40N 129.00E 14 4.3W **¶12080475**
ISCJB I 06 06 56 48.9–.34 26.39N–.04 128.98E–.03 27 4.3b,3.3s
JMA I 06 06 56 49.3–.20 26.39N 128.99E 35–3 3.8,3.3s
IDC I 06 06 56 50.7–6.0 26.42N 128.81E 25–40 4.1,4.0
NEIC I 06 06 56 50.5–1.8 26.34N 128.79E 24–12 4.5b,4.2W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ57.00000°,λ100.00000°. NP2:ϕ_s210.00000°,δ34.00000°,λ75.00000°. $M_0$2.73000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.1km az=6.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=12.0km az=56.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.3km az=92.0. Moment Tensor Solution. $M_0$2.70000×10^{15}
ISC I 07 09 24 17.9–.93 29.31N–.04 129.91E–.08 52–8 3.7b 56 1-115
NIED I 07 09 24 00 29.30N 129.90E 35 4.0W **¶12080624**
ISCJB I 07 09 24 17.0–.38 29.31N–.03 129.93E–.08 57–4 3.7b
JMA I 07 09 24 17.0–.10 29.35N 129.89E 61–2 3.6
NEIC I 07 09 24 19.3–1.2 29.23N 129.92E 66–11 3.9b
IDC I 07 09 24 19.1–2.6 29.24N 129.82E 67–24 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s47.00000°,δ74.00000°,λ80.00000°. NP2:ϕ_s260.00000°,δ19.00000°,λ121.00000°. $M_0$1.05000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=3.6km az=18.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=10.8km az=100.0.
IDC Error ellipse: s-maj=30.3km s-min=14.9km az=94.0.
JMA I 12 19 06 33.6–.10 28.69N 129.56E 20–3 3.8
NIED I 12 19 06 00 28.70N 129.60E 29 3.9W **¶14141261**
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ68.00000°,λ-134.00000°. NP2:ϕ_s161.00000°,δ48.00000°,λ-31.00000°. $M_0$6.79000×10^{14}
ISC I 19 12 10 59.7–1.0 28.51N–.05 129.55E–.06 20–4 3.3b 23 0-76
IDC I 19 12 10 56.7–.97 28.46N 129.75E 0 3.8L,3.5 **¶12081755**
ISCJB I 19 12 10 59.3–.53 28.49N–.05 129.57E–.07 26–5 3.2b,3.5
JMA I 19 12 10 59.3 28.52N 129.51E 21–1 3.7,3.5
ISC Event type fe.
IDC Error ellipse: s-maj=30.0km s-min=18.4km az=101.0.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.3km az=34.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC I 19 22 46 58.3–1.2 25.20N–.07 126.72E–.06 54–14 3.4b 23 1-45
IDC I 19 22 46 40.2–6.5 23.66N 126.92E 0 3.6b,3.6 **¶12081809**
JMA I 19 22 46 57.9–.10 25.46N 126.38E 0 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=122.8km s-min=35.8km az=162.0.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
JMA I 20 05 03 35.0–.20 26.32N 126.33E 118
¶15964316
JMA Error ellipse: s-maj=5.6km s-min=4.0km az=-1.0.
ISC I 20 05 03 38.4–.93 24.6N–.10 127.0E–.20 30 3.9b 21 2-80
NIED I 20 05 03 00 24.40N 127.30E 11 4.0W **¶12081834**
IDC I 20 05 03 34.3–.92 24.44N 126.54E 0 3.9b,3.9
NEIC I 20 05 03 39.3–.62 24.42N 126.48E 35 4.0b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s270.00000°,δ79.00000°,λ87.00000°. NP2:ϕ_s108.00000°,δ11.00000°,λ107.00000°. $M_0$9.60000×10^{14}
IDC Error ellipse: s-maj=35.2km s-min=18.4km az=71.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.3km az=148.0.
ISC I 24 14 22 01.1–1.3 26.46N–.06 128.91E–.04 35 17 1-51
ISCJB I 24 14 22 00.3–.55 26.44N–.05 128.93E–.04 35 3.4b **¶12082230**
JMA I 24 14 22 00.6–.20 26.47N 128.91E 34–3 3.1
IDC I 24 14 22 03.0–5.7 25.65N 128.78E 0 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.6km az=2.6.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=322.1km s-min=21.2km az=64.0.
ISC I 24 23 30 21.1–.80 29.18N–.04 130.48E–.07 40–5 4.3b,3.7s 145 1-87
NIED I 24 23 30 00 29.20N 130.60E 35 4.5W,3.7s **¶11657448**
BJI I 24 23 30 07.1 28.72N 131.89E 31 4.7b,4.5b
JMA I 24 23 30 18.9–.20 29.19N 130.60E 20–3 4.3,4.5b
MOS I 24 23 30 19.1–.82 29.31N 130.40E 33 4.7b,4.5b
ISCJB I 24 23 30 20.2–.57 29.19N–.03 130.50E–.06 50–4 4.3b,3.6s
NEIC I 24 23 30 21.6–.71 29.23N 130.42E 44–6 4.3b,3.6s
IDC I 24 23 30 21.7–1.5 29.24N 130.32E 42–13 3.8,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ82.00000°,λ85.00000°. NP2:ϕ_s228.00000°,δ9.00000°,λ122.00000°. $M_0$6.56000×10^{15}
MOS Error ellipse: s-maj=12.5km s-min=7.5km az=111.4.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.2km az=24.3.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.9km az=135.0.
IDC Error ellipse: s-maj=18.2km s-min=8.9km az=110.0.
ISC I 26 13 57 49.1–.68 29.69N–.05 129.93E–.09 99–6 3.7b 39 0-75
NIED I 26 13 57 00 29.70N 130.00E 68 4.0W **¶12082376**
ISCJB I 26 13 57 48.3–.37 29.68N–.03 129.97E–.08 104–3 3.7b
JMA I 26 13 57 49.8–.10 29.70N 130.02E 93–1 3.5
IDC I 26 13 57 50.2–1.5 29.71N 129.96E 109–14 3.5,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ82.00000°,λ-101.00000°. NP2:ϕ_s85.00000°,δ14.00000°,λ-36.00000°. $M_0$9.97000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=4.0km az=18.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=11.6km az=96.0.
ISC I 26 14 53 52.7–1.1 29.24N–.05 130.26E–.10 53–11 3.8b 30 1-72
ISCJB I 26 14 53 51.8–.56 29.25N–.04 130.27E–.09 62–5 3.7b **¶12082379**
JMA I 26 14 53 52.0 29.28N 130.24E 56–4 3.4
IDC I 26 14 53 52.7–2.0 29.23N 130.23E 52–20 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=4.5km az=20.6.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=26.4km s-min=13.2km az=111.0.
JMA I 30 09 33 22.8–.20 26.44N 128.48E 24–2 3.5
¶15536796
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC II 01 07 08 59.3–.59 27.15N–.04 128.47E–.04 57–5 4.1b 105 0-92
NIED II 01 07 08 00 27.20N 128.40E 50 4.0W **¶13434127**
MOS II 01 07 08 58.6–1.0 27.17N 128.35E 68 4.4b
ISCJB II 01 07 08 58.3–.32 27.19N–.04 128.42E–.05 65–3 4.1b
IDC II 01 07 08 58.5–.78 27.20N 128.40E 47–9 3.9,3.9
NEIC II 01 07 08 59.8–.57 27.12N 128.41E 64–5 4.1b,3.9
JMA II 01 07 08 59.3 27.20N 128.43E 55–1 4.2,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s125.00000°,δ72.00000°,λ70.00000°. NP2:ϕ_s354.00000°,δ26.00000°,λ136.00000°. $M_0$1.31000×10^{15}
MOS Error ellipse: s-maj=15.5km s-min=9.4km az=104.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=3.7km az=42.5.
IDC Error ellipse: s-maj=18.4km s-min=16.0km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=7.2km az=110.0. Recorded [1 JMA] on Iheya-shima, Okinawa and Yoron-jima.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC II 01 13 20 10.2–1.3 29.38N–.05 130.50E–.10 48–12 3.5b 26 1-87
JMA II 01 13 20 07.8–.10 29.33N 130.65E 30 3.4 **¶12699332**
ISCJB II 01 13 20 08.7–.73 29.36N–.04 130.57E–.09 53–7 3.5b
IDC II 01 13 20 10.0–1.6 29.39N 130.45E 44–14 3.5,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=5.1km az=22.4.
IDC Error ellipse: s-maj=25.4km s-min=9.6km az=110.0.
ISC II 01 20 01 16.1–1.9 29.43N–.09 130.70E–.09 33–6 3.4b 16 1-61
JMA II 01 20 01 16.6–.30 29.35N 130.62E 26–4 2.8 **¶12699356**
IDC II 01 20 01 32.3–2.4 30.62N 131.12E 146–10 2.9,2.9
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=38.3km s-min=22.8km az=115.0.
JMA II 04 02 24 31.0–.20 25.80N 126.69E 12–4 3.5
¶15538402
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
JMA II 04 15 14 01.6–.20 27.68N 127.36E 123–4 3.6
¶15538605
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC II 06 22 15 14.0–3.3 26.67N–.04 129.52E–.04 14–20 3.8b 41 1-79
NIED II 06 22 15 00 26.70N 129.50E 8 3.9W **¶12699696**
ISCJB II 06 22 15 14.8–1.6 26.65N–.03 129.51E–.03 31–13 3.6b,2.7s
JMA II 06 22 15 14.8–.10 26.65N 129.54E 41 3.9,2.7s
IDC II 06 22 15 17.8–.70 26.70N 129.36E 36–5 4.5L,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s181.00000°,δ63.00000°,λ-129.00000°. NP2:ϕ_s62.00000°,δ46.00000°,λ-38.00000°. $M_0$8.52000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.5km az=151.2.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=16.8km s-min=13.4km az=66.0.
ISC II 12 08 55 45.5–1.7 25.69N–.05 127.97E–.04 14–10 4.1b 41 0-80
IDC II 12 08 55 43.9–.75 25.70N 127.75E 0 4.1,4.0 **¶12700216**
JMA II 12 08 55 47.0–.20 25.69N 127.94E 48–2 3.8,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=14.8km az=83.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC II 21 00 12 56.0–.31 28.87N–.03 130.95E–.03 24–1 5.6b,5.1s 1381 1-175
NIED II 21 00 12 00 28.90N 130.90E 5 5.3W,5.1s **¶14189740**
BGS II 21 00 12 37.7–1.8 25.81N 133.05E 20 5.6s,5.4b
SZGRF II 21 00 12 48.9 28.69N 132.69E 36 5.9b,5.3s
BJI II 21 00 12 50.6 28.65N 131.14E 24 5.4s,5.4b
IDC II 21 00 12 52.2–.39 28.90N 130.94E 0 5.2,5.2
ISCJB II 21 00 12 52.9–.69 28.88N–.02 130.88E–.02 10–4 5.4b,5.1s
TEH II 21 00 12 53.0 28.87N 130.86E 5 5.6L,5.1s
JMA II 21 00 12 55.9–.10 28.88N 130.89E 73–4 5.2,5.1s
NEIC II 21 00 12 56.0–.91 28.88N 130.86E 24–6 5.6b,5.5W
MOS II 21 00 12 56.1–.97 28.93N 130.95E 33 5.7b,5.1s
DJA II 21 00 12 57 28.91N 131.10E 34 5.4W,5.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ63.00000°,λ-89.00000°. NP2:ϕ_s15.00000°,δ27.00000°,λ-92.00000°. $M_0$1.15000×10^{17}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF West of Bonin Islands, Japan.
IDC Error ellipse: s-maj=12.2km s-min=11.3km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=164.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=155.0. Recorded [1 JMA] on Akuseki-jima, Amami-oshima, Kikaiga-shima, Nakano-shima, Tanega-shima and Yaku-shima. Also recorded [1 JMA] in Kagoshima, Kyushu. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s201.00000°,δ61.00000°,λ-125.00000°. NP2:ϕ_s76.00000°,δ44.00000°,λ-45.00000°. Principal axes: T 1.3400,Plg9.0000°,Azm315.0000° ; N -0.2800,Plg29.0000°,Azm220.0000°; P -1.0600,Plg58.0000°,Azm60.0000° $M_0$1.20000×10^{17} Moment Tensor Solution. $M_0$1.20000×10^{17}
MOS Error ellipse: s-maj=6.4km s-min=3.6km az=107.8.
ISC II 22 02 04 21.8–.67 26.84N–.06 126.78E–.05 121–6 4.4b 49 0-93
ISCJB II 22 02 04 20.3–.37 26.87N–.05 126.74E–.06 123–4 4.2b **¶12701483**
IDC II 22 02 04 20.7–1.2 26.93N 126.70E 108–11 4.1,4.0
JMA II 22 02 04 22.1–.20 26.93N 126.73E 109–2 3.8,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.0km az=137.7.
IDC Error ellipse: s-maj=17.3km s-min=11.7km az=69.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC II 22 19 49 42.4–.91 27.92N–.07 128.88E–.08 43–9 3.4b 25 0-77
ISCJB II 22 19 49 41.8–.42 27.95N–.07 128.86E–.08 51–7 3.5b **¶12701557**
JMA II 22 19 49 42.0–.20 28.01N 128.79E 39–3 3.2
IDC II 22 19 49 44.0–1.8 27.84N 128.82E 63–18 3.4,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=16.4km s-min=4.4km az=42.1.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=33.1km s-min=17.8km az=97.0.
ISC II 27 09 06 16.0–.71 26.33N–.04 128.79E–.04 31–5 3.9b 44 1-78
NIED II 27 09 06 00 26.30N 128.80E 5 4.0W **¶12701986**
ISCJB II 27 09 06 14.0–.98 26.32N–.03 128.83E–.03 30–7 3.7b
JMA II 27 09 06 14.8–.20 26.35N 128.84E 35–3 3.7
IDC II 27 09 06 16.9–.78 26.35N 128.60E 30–5 3.7,3.7L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ82.00000°,λ-87.00000°. NP2:ϕ_s19.00000°,δ9.00000°,λ-112.00000°. $M_0$1.14000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.6km az=148.9.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=34.6km s-min=11.4km az=67.0.
ISC III 03 10 27 26.7–.95 28.23N–.06 129.58E–.07 43–10 3.6b 29 0-76
NIED III 03 10 27 00 28.30N 129.50E 29 3.6W **¶12702336**
ISCJB III 03 10 27 25.9–.43 28.23N–.05 129.59E–.07 49–4 3.6b
JMA III 03 10 27 26.1–.10 28.29N 129.50E 38–2 3.5
IDC III 03 10 27 28.9–2.3 28.22N 129.44E 64–21 3.5,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s302.00000°,δ61.00000°,λ-103.00000°. NP2:ϕ_s148.00000°,δ32.00000°,λ-68.00000°. $M_0$2.39000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.3km s-min=3.9km az=35.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=29.5km s-min=14.0km az=101.0.
ISC III 04 18 13 49.3–.95 28.26N–.05 129.62E–.06 26–7 3.4b 31 0-76
NIED III 04 18 13 00 28.30N 129.50E 32 3.7W **¶12702443**
ISCJB III 04 18 13 49.4–.41 28.29N–.04 129.59E–.06 33–6 3.5b
JMA III 04 18 13 49.2 28.32N 129.52E 29–1 3.8
IDC III 04 18 13 53.0–1.3 28.37N 129.35E 62–15 3.3,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s151.00000°,δ70.00000°,λ-53.00000°. NP2:ϕ_s265.00000°,δ42.00000°,λ-149.00000°. $M_0$3.70000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=3.7km az=35.3.
JMA Event type fe.
IDC Error ellipse: s-maj=38.2km s-min=8.3km az=112.0.
ISC III 07 11 53 35.3–.44 26.71N–.04 126.79E–.03 127–3 4.4b 196 0-84
NIED III 07 11 53 00 26.90N 126.70E 101 4.3W **¶11788767**
ISCJB III 07 11 53 33.5–.21 26.70N–.03 126.77E–.03 125–3 4.4b
BJI III 07 11 53 33.9 26.60N 126.88E 151 4.8b,4.5b
JMA III 07 11 53 34.9–.20 26.85N 126.70E 112–2 4.2,4.5b
IDC III 07 11 53 35.0–.60 26.83N 126.81E 121–5 4.0,3.9
NEIC III 07 11 53 35.6–.30 26.76N 126.72E 128 4.2b,3.9
MOS III 07 11 53 36.7–.87 26.82N 126.77E 153 4.3b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ90.00000°,λ64.00000°. NP2:ϕ_s130.00000°,δ26.00000°,λ179.00000°. $M_0$2.89000×10^{15}

ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=2.9km az=139.4.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=13.1km s-min=8.8km az=31.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.3km az=132.0.
MOS Error ellipse: s-maj=14.5km s-min=7.6km az=112.7.

ISC	**III**	**08 05 45 56.7–3.4**	**28.13N–.04**	**130.30E–.05**	**13–21**	**4.0b,3.7s**	**61**	**0-85**
IDC	III	08 05 45 55.0–.63	28.21N	130.19E	0	3.9,3.9		¶12702686
JMA	III	08 05 45 56.2–.10	28.09N	130.37E	25–1	4.4,3.9		
NEIC	III	08 05 45 56.5–3.6	28.20N	130.20E	10–22	4.4,3.9		
ISCJB	III	08 05 45 57.2–.85	28.15N–.03	130.31E–.05	30–5	3.8b,3.7s		
NIED	III	08 05 46 00	28.10N	130.30E	8	4.3W,3.7s		

ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=12.3km az=84.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=14.1km s-min=7.2km az=91.0. Recorded [1 JMA] on Kikaiga-shima.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=4.9km az=13.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S69.00000°,δ86.00000°,λ138.00000°. NP2:ϕ_S163.00000°,δ48.00000°,λ5.00000°. $M_0$3.20000×10^{15}

ISC	**III**	**10 05 34 46.8–.83**	**26.75N–.09**	**126.59E–.08**	**111–9**	**3.8b**	**32**	**0-79**
ISCJB	III	10 05 34 45.8–.45	26.76N–.08	126.63E–.08	114–8	3.8b		¶12702848
IDC	III	10 05 34 46.0–2.7	26.69N	126.57E	102–20	3.7,3.6b		
JMA	III	10 05 34 47.4–.20	26.80N	126.59E	102–3	3.4,3.6b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=5.3km az=142.1.
IDC Error ellipse: s-maj=51.4km s-min=22.4km az=12.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.

ISC	**III**	**12 19 28 23.9–1.1**	**24.03N–.08**	**126.06E–.08**	**34**	**3.5b**	**17**	**1-77**
IDC	III	12 19 28 20.8–1.4	24.00N	125.80E	0	3.8,3.6b		¶12703103
JMA	III	12 19 28 22.5–.20	24.10N	126.30E	75	3.2,3.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=54.9km s-min=24.4km az=67.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC	**III**	**13 02 02 27.8–1.1**	**27.86N–.08**	**129.3E–.10**	**47–8**	**3.5b**	**28**	**0-77**
ISCJB	III	13 02 02 27.1–.73	27.87N–.08	129.3E–.10	57–4	3.5b		¶12703130
JMA	III	13 02 02 27.7–.10	28.04N	129.10E	49–1	3.9		
IDC	III	13 02 02 28.9–1.9	27.68N	129.45E	75–12	3.5,3.4		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=20.4km s-min=4.9km az=38.4.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=37.0km s-min=11.9km az=123.0.

ISC	**III**	**21 19 58 18.1–.44**	**26.05N–.03**	**128.58E–.03**	**16–1**	**4.5b,3.9s**	**278**	**1-89**
NIED	III	21 19 58 00	26.10N	128.60E	20	4.5W,3.9s		¶13436964
BJI	III	21 19 58 14.5	25.98N	128.52E	6	4.7b,4.4s		
IDC	III	21 19 58 15.9–.53	26.10N	128.49E	0	4.3,4.3b		
ISCJB	III	21 19 58 17.1–.71	26.01N–.03	128.56E–.03	24–4	4.5b,4.0s		
NEIC	III	21 19 58 17.2–1.5	26.02N	128.41E	11–8	4.6b,4.5W		
MOS	III	21 19 58 17.1–1.1	26.06N	128.49E	21	4.7b,4.5W		
JMA	III	21 19 58 18.6–.20	26.05N	128.63E	48	4.3,4.5W		
DJA	III	21 19 58 24.7–.90	27N–9.0	128E–15	10	5.6b,5.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S42.00000°,δ60.00000°,λ99.00000°. NP2:ϕ_S205.00000°,δ31.00000°,λ76.00000°. $M_0$6.11000×10^{15}
ISCJB Event type fe.
NEIC Event type fe. Felt on Okinawa. Recorded [1 JMA] on Okinawa. Moment Tensor Solution. $M_0$6.10000×10^{15}
JMA Event type fe.

ISC	**III**	**22 11 21 28.3–.87**	**25.97N–.06**	**128.55E–.04**	**27**	**3.2b**	**21**	**1-51**
ISCJB	III	22 11 21 27.0–.61	25.96N–.04	128.59E–.04	27	3.2b,2.6s		¶12635284
JMA	III	22 11 21 27.7–.20	25.93N	128.55E	48–5	3.0,2.6s		
IDC	III	22 11 21 28.3–3.0	25.51N	127.22E	0	3.3,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.0km az=10.1.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=187.2km s-min=21.1km az=65.0.

ISC	**III**	**22 13 35 26.8–3.2**	**26.04N–.05**	**128.64E–.04**	**2–20**	**4.0b**	**55**	**1-80**
NIED	III	22 13 35 00	26.00N	128.70E	17	4.2W		¶13437031
IDC	III	22 13 35 27.5–.67	26.14N	128.50E	0	4.1,4.0		
JMA	III	22 13 35 29.3–.20	26.03N	128.66E	49–4	3.7,4.0		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S47.00000°,δ55.00000°,λ107.00000°. NP2:ϕ_S199.00000°,δ39.00000°,λ68.00000°. $M_0$2.39000×10^{15}
IDC Error ellipse: s-maj=24.5km s-min=11.8km az=76.0.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.

ISC	**III**	**22 14 45 47.0–.40**	**26.08N–.03**	**128.53E–.03**	**16–1**	**4.8b,4.7s**	**407**	**1-115**
BJI	III	22 14 45 42.4	25.90N	128.49E	5	5.1s,5.1b		¶13437032
IDC	III	22 14 45 44.4–.49	26.10N	128.50E	0	4.6,4.6		
ISCJB	III	22 14 45 45.2–.68	26.02N–.02	128.55E–.03	18–4	4.8s,4.7b		
JMA	III	22 14 45 46.2–.20	26.03N	128.67E	50	5.3,4.7b		
MOS	III	22 14 45 47.0–1.1	26.12N	128.51E	28	5.0b,4.5s		
NEIC	III	22 14 45 47.0–1.3	26.06N	128.49E	17–7	5.0W,4.9b		
GCMT	III	22 14 45 51.9–.20	25.97N	128.62E	20–0	5.1W,4.9b		
DJA	III	22 14 45 53.9–.70	27N–7.0	128E–11	10	5.3b,4.9b		
NIED	III	22 14 46 00	26.00N	128.80E	11	5.0W,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=10.7km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.3km az=139.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=9.4km s-min=4.9km az=111.9.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.5km az=129.0. Felt [II] at Ishikawa, Okinawa. Also felt at Chatan, Naha, Nishihara, Okinawa, Urasoe and Yomitan. Recorded [2 JMA] on Okinawa and [1 JMA] on Yoron-jima. Moment Tensor Solution. $M_0$4.10000×10^{16}
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s44,c74; s78,c129; Moment tensor: Scale 10^{16}Nm; M_{rr}3.98±.20 $M_{\theta\theta}$-2.10±.12; $M_{\phi\phi}$-1.88±.14; $M_{r\theta}$3.00±.25; $M_{\theta\phi}$-2.10±.07; $M_{\phi r}$3.25±.27; Best double couple: NP1:ϕ_S229.00000°,δ21.00000°,λ95.00000°. NP2:ϕ_S44.00000°,δ69.00000°,λ88.00000°. Principal axes: T 5.9400,Plg66.0000° ,Azm310.0000°; N 0.1000,Plg2.0000°,Azm44.0000°; P -6.0400,Plg24.0000°,Azm135.0000° $M_0$6.00000×10^{16}
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S55.00000°,δ56.00000°,λ98.00000°. NP2:ϕ_S221.00000°,δ35.00000°,λ79.00000°. $M_0$4.07000×10^{16}

ISC	**III**	**22 15 07 47.7–1.8**	**26.15N–.05**	**128.70E–.04**	**18–12**	**3.5b**	**21**	**1-73**
IDC	III	22 15 07 45.0–1.7	26.29N	128.89E	0	3.6,3.4b		¶12635300
ISCJB	III	22 15 07 48.7–.78	26.05N–.06	128.67E–.05	36–10	3.4b,3.4b		
JMA	III	22 15 07 48.4–.30	26.04N	128.66E	37	3.1,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=80.7km s-min=15.1km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.7km az=9.9.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC	**III**	**22 19 48 15.3–3.4**	**26.02N–.05**	**128.63E–.04**	**15–21**	**3.9b**	**49**	**1-80**
NIED	III	22 19 48 00	26.10N	128.70E	11	4.1W		¶12635319
IDC	III	22 19 48 13.8–.73	26.11N	128.58E	0	4.0,4.0		
ISCJB	III	22 19 48 15.5–.91	26.05N–.04	128.67E–.04	27–6	3.7b,4.0		
JMA	III	22 19 48 16.1–.20	26.05N	128.67E	44–5	3.8,4.0		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S46.00000°,δ59.00000°,λ74.00000°. NP2:ϕ_S255.00000°,δ34.00000°,λ114.00000°. $M_0$1.57000×10^{15}
IDC Error ellipse: s-maj=24.2km s-min=13.8km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.2km az=147.4.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.

ISC	**III**	**23 06 25 20.6–.66**	**27.10N–.06**	**127.57E–.05**	**97–6**	**3.9b**	**47**	**0-94**
NIED	III	23 06 25 00	27.20N	127.50E	104	4.1W		¶12635361
ISCJB	III	23 06 25 19.4–.33	27.15N–.05	127.50E–.06	97–4	3.9b		
IDC	III	23 06 25 19.7–.83	27.19N	127.52E	85–9	3.9,3.9		
JMA	III	23 06 25 20.8–.20	27.19N	127.50E	86–2	3.7,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S68.00000°,δ77.00000°,λ-80.00000°. NP2:ϕ_S210.00000°,δ16.00000°,λ-126.00000°. $M_0$1.47000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.1km az=136.1.
IDC Error ellipse: s-maj=22.0km s-min=13.4km az=71.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC	**III**	**26 02 15 11.2–1.5**	**29.38N–.04**	**130.60E–.10**	**25–12**	**3.9b**	**22**	**1-78**
NIED	III	26 02 15 00	29.40N	130.60E	29	4.2W		¶12635606
JMA	III	26 02 15 11.8–.10	29.37N	130.62E	22	3.7		
IDC	III	26 02 15 13.2–4.4	29.33N	130.60E	50–18	3.7,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S188.00000°,δ78.00000°,λ-98.00000°. NP2:ϕ_S44.00000°,δ14.00000°,λ-55.00000°. $M_0$2.15000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=87.0km s-min=9.5km az=112.0.

ISC	**III**	**28 14 00 18.8–1.3**	**29.21N–.04**	**130.49E–.09**	**41–14**	**3.4b**	**28**	**1-77**
ISCJB	III	28 14 00 17.9–.64	29.21N–.04	130.52E–.09	50–7	3.5b		¶12635776
JMA	III	28 14 00 17.4–.10	29.19N	130.54E	55	3.1		
IDC	III	28 14 00 19.8–2.5	29.27N	130.33E	46–24	3.5,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=4.2km az=19.2.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=34.8km s-min=18.5km az=84.0.

ISC	**III**	**28 14 01 33.9–.76**	**29.20N–.03**	**130.48E–.05**	**47–6**	**4.2b,4.2s**	**159**	**1-115**
NIED	III	28 14 01 00	29.20N	130.40E	23	4.5W,4.2s		¶13437535
BJI	III	28 14 01 04.5	27.66N	133.29E	13	4.7b,4.5b		
ISCJB	III	28 14 01 32.6–.47	29.20N–.03	130.48E–.05	49–3	4.3b,4.0s		
MOS	III	28 14 01 32.2–1.2	29.21N	130.41E	44	4.9b,4.0s		
JMA	III	28 14 01 32.5	29.21N	130.43E	69–2	4.4,4.0s		
IDC	III	28 14 01 34.0–1.4	29.25N	130.33E	42–13	4.1,4.0		
NEIC	III	28 14 01 34.8–1.0	29.21N	130.37E	55–8	4.8b,4.5W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S28.00000°,δ86.00000°,λ78.00000°. NP2:ϕ_S278.00000°,δ13.00000°,λ160.00000°. $M_0$6.78000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.1km az=25.0.
MOS Error ellipse: s-maj=11.8km s-min=6.8km az=105.9.
IDC Error ellipse: s-maj=16.6km s-min=8.3km az=113.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=8.1km az=128.0. Moment Tensor Solution. $M_0$6.80000×10^{15}

ISC	**III**	**30 08 34 36.2–.53**	**29.23N–.04**	**130.46E–.06**	**31–3**	**4.7s,4.6b**	**142**	**1-115**
NIED	III	30 08 34 00	29.20N	130.40E	17	4.8W,4.6b		¶12068418
MOS	III	30 08 34 34.9–1.1	29.26N	130.37E	33	4.9b,4.6b		
NEIC	III	30 08 34 36.5–.31	29.26N	130.38E	31	4.7W,4.6b		
ISCJB	III	30 08 34 36.1–.48	29.22N–.03	130.50E–.05	46–4	4.6s,4.4b		
JMA	III	30 08 34 36.2–.10	29.24N	130.42E	70–4	4.5,4.4b		
IDC	III	30 08 34 36.9–3.8	29.27N	130.35E	33–29	4.2,4.1		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S21.00000°,δ83.00000°,λ78.00000°. NP2:ϕ_S262.00000°,δ14.00000°,λ150.00000°. $M_0$1.55000×10^{16}
MOS Error ellipse: s-maj=11.7km s-min=6.5km az=99.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.8km az=160.0. Moment Tensor Solution. $M_0$1.60000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.0km az=28.1.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=15.3km s-min=12.8km az=88.0.

ISC	**IV**	**02 00 48 58.7–3.7**	**27.10N–.05**	**129.80E–.05**	**13–24**	**3.6b**	**28**	**1-79**
NIED	IV	02 00 48 00	27.10N	129.80E	5	3.8W		¶12934350
IDC	IV	02 00 48 57.3–1.0	27.07N	129.72E	0	3.8,3.6		
ISCJB	IV	02 00 48 59.3–1.4	27.10N–.04	129.80E–.04	28–10	3.5b,3.4s		
JMA	IV	02 00 48 59.8	27.12N	129.82E	52–4	3.5,3.4s		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S255.00000°,δ78.00000°,λ-45.00000°. NP2:ϕ_S357.00000°,δ47.00000°,λ-163.00000°. $M_0$5.29000×10^{14}
IDC Error ellipse: s-maj=24.3km s-min=18.6km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=6.3km az=23.7.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**IV**	**02 20 40 14.9–.53**	**26.16N–.04**	**128.45E–.04**	**32–2**	**4.6b,4.0s**	**189**	**1-96**
NIED	IV	02 20 40 00	26.20N	128.40E	23	4.5W,4.0s		¶13437834
BJI	IV	02 20 40 11.5	26.17N	128.55E	32	4.7b,4.5b		
ISCJB	IV	02 20 40 12.6–.69	26.14N–.03	128.47E–.03	29–4	4.5b,4.0s		
JMA	IV	02 20 40 13.7–.20	26.17N	128.47E	36–4	4.4,4.0s		
MOS	IV	02 20 40 13.9–1.2	26.29N	128.37E	33	4.7b,4.0s		
NEIC	IV	02 20 40 15.6–.43	26.18N	128.19E	32	4.7b,4.5W		
IDC	IV	02 20 40 15.2–5.1	26.26N	128.33E	27–35	4.2,4.1		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S47.00000°,δ69.00000°,λ90.00000°. NP2:ϕ_S226.00000°,δ21.00000°,λ89.00000°. $M_0$6.28000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.2km az=150.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=11.2km s-min=6.6km az=103.3.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=5.8km az=132.0. Recorded [2 JMA] on Okinawa. Moment Tensor Solution. $M_0$6.30000×10^{15}
IDC Error ellipse: s-maj=20.1km s-min=12.9km az=90.0.

ISC	**IV**	**05 06 03 28.4–1.2**	**25.26N–.09**	**127.67E–.06**	**27**	**3.4b**	**19**	**1-80**
ISCJB	IV	05 06 03 26.7–.85	25.24N–.06	127.69E–.06	27	3.4b		¶12934584
IDC	IV	05 06 03 26.9–3.7	25.52N	127.40E	0	3.7,3.7L		
JMA	IV	05 06 03 28.0–.20	25.27N	127.62E	55–4	3.1,3.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=8.0km az=33.5.
IDC Error ellipse: s-maj=80.5km s-min=29.6km az=157.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

JMA	**IV**	**10 20 25 05.8–.10**	**27.10N**	**130.01E**	**57**	**3.6**		
								¶15412673

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**IV**	**11 19 05 12.9–2.3**	**27.15N–.03**	**130.04E–.04**	**24–16**	**4.0b**	**102**	**1-91**
NIED	IV	11 19 05 00	27.10N	130.00E	11	4.1W		¶12935007
IDC	IV	11 19 05 09.3–.58	27.19N	130.02E	0	4.1,4.0		
ISCJB	IV	11 19 05 11.3–1.0	27.12N–.03	130.01E–.03	26–7	4.1b,3.3s		
JMA	IV	11 19 05 12.1–.10	27.11N	130.01E	57	3.6,3.3s		
NEIC	IV	11 19 05 15.1–.42	27.13N	129.85E	40	4.3b,3.3s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S235.00000°,δ61.00000°,λ-66.00000°. NP2:ϕ_S13.00000°,δ37.00000°,λ-126.00000°. $M_0$1.66000×10^{15}
IDC Error ellipse: s-maj=23.1km s-min=13.4km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.5km az=37.1.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.0km az=119.0.

ISC	**IV**	**13 14 26 40.6–.79**	**26.99N–.07**	**127.14E–.07**	**121–7**	**3.5b**	**38**	**0-78**
IDC	IV	13 14 26 39.0–9.3	26.81N	127.02E	109–59	3.4,3.3		¶12935187
ISCJB	IV	13 14 26 39.3–.37	27.09N–.08	127.08E–.07	114–7	3.4b,3.3		
JMA	IV	13 14 26 41.2–.30	27.13N	127.08E	102–3	3.6,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=81.8km s-min=28.7km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=4.3km az=140.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.

ISC	**IV**	**13 17 47 49.8–.67**	**25.90N–.05**	**126.93E–.04**	**58–6**	**3.8b**	**57**	**0-85**
NIED	IV	13 17 47 00	26.10N	126.80E	44	4.0W		¶13438482
ISCJB	IV	13 17 47 48.6–.37	25.98N–.05	126.83E–.05	58–3	3.8b,2.6s		
JMA	IV	13 17 47 49.2	26.03N	126.81E	56–1	3.7,2.6s		
IDC	IV	13 17 47 50.5–.78	25.96N	126.80E	62–8	3.7,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S109.00000°,δ63.00000°,λ121.00000°. NP2:ϕ_S237.00000°,δ40.00000°,λ45.00000°. $M_0$1.12000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=3.1km az=139.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=23.5km s-min=15.6km az=89.0.

ISC	**IV**	**14 14 08 39.4–.75**	**27.05N–.04**	**129.89E–.05**	**29**	**3.4b**	**26**	**1-79**
IDC	IV	14 14 08 36.6–.97	27.16N	129.56E	0	3.6L,3.6		¶12935253
ISCJB	IV	14 14 08 38.8–.49	27.11N–.04	130.01E–.04	29	3.5b,3.6		
JMA	IV	14 14 08 39.6–.10	27.10N	130.01E	49	3.9,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=45.4km s-min=18.9km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.0km az=135.4.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**IV**	**14 14 10 12.0–.81**	**27.13N–.04**	**130.01E–.05**	**29**	**3.8b,3.6s**	**24**	**1-73**
IDC	IV	14 14 10 08.6–1.2	27.11N	129.89E	0	3.8,3.8		¶12935252
ISCJB	IV	14 14 10 10.5–.51	27.10N–.04	129.99E–.05	29	3.8s,3.7b		
JMA	IV	14 14 10 11.0–.10	27.11N	130.01E	51	3.7,3.7b		

ISC Event type ke.
IDC Error ellipse: s-maj=62.9km s-min=18.6km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.1km az=148.2.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**IV**	**14 23 54 47.2–.42**	**27.09N–.03**	**129.95E–.04**	**18–1**	**5.2s,4.9b**	**476**	**1-117**
DJA	IV	14 23 54 43.8–.60	27N–8.0	130E–10	10	5.6b,5.1		¶12583401
BJI	IV	14 23 54 43.2	26.99N	130.14E	18	5.0s,5.0b		
ISCJB	IV	14 23 54 43.6–1.0	27.07N–.02	129.94E–.02	3–6	5.1s,4.8b		
IDC	IV	14 23 54 44.1–.36	27.09N	130.01E	0	5.0s,5.0		
JMA	IV	14 23 54 46.1–.10	27.10N	130.02E	73	4.8,5.0		
MOS	IV	14 23 54 47.9–1.3	27.14N	130.03E	33	5.2s,5.1b		
TEH	IV	14 23 54 47.0	27.10N	129.86E	10	5.0L,5.1b		
NEIC	IV	14 23 54 49.5–.23	27.07N	129.82E	35	5.0b,4.8W		
BGS	IV	14 23 54 57.4–2.5	26.78N	126.68E	33	4.8b,4.8W		
NIED	IV	14 23 55 00	27.10N	130.00E	5	4.8W,4.8W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=154.6.
IDC Error ellipse: s-maj=14.2km s-min=9.2km az=72.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=10.6km s-min=5.0km az=110.1.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.3km az=136.0. Felt at Chatan, Okinawa. Recorded [1 JMA] on Amami-oshima and Tokuno-shima. Moment Tensor Solution. $M_0$1.80000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s244.00000°,δ75.00000°,λ121.00000°. NP2:ϕ_s358.00000°,δ34.00000°,λ28.00000°. $M_0$1.79000×10^{16}

JMA	**IV**	**15 00 10 58.9–.30**	**27.08N**	**129.97E**	**42**	**3.5**		
								¶15414176

JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.

ISC	**IV**	**15 03 11 28.2–.70**	**26.91N–.06**	**127.41E–.06**	**109–6**	**4.1b**	**55**	**0-86**
NIED	IV	15 03 11 00	27.10N	127.30E	98	4.1W		¶12935324
ISCJB	IV	15 03 11 26.9–.27	26.98N–.06	127.33E–.06	105–5	4.0b		
JMA	IV	15 03 11 28.4–.20	27.05N	127.30E	96–3	3.8		
IDC	IV	15 03 11 30.4–7.7	27.06N	127.31E	118–51	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ81.00000°,λ-59.00000°. NP2:ϕ_s134.00000°,δ32.00000°,λ-162.00000°. $M_0$1.74000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=3.3km az=138.1.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=65.9km s-min=23.8km az=172.0.

ISC	**IV**	**15 06 40 46.9–3.4**	**27.09N–.04**	**130.01E–.05**	**3–22**	**3.6b**	**23**	**1-77**
NIED	IV	15 06 40 00	27.10N	130.00E	5	3.8W		¶12935314
ISCJB	IV	15 06 40 47.7–1.3	27.09N–.05	130.01E–.04	19–11	3.5b		
IDC	IV	15 06 40 47.4–1.1	27.04N	130.58E	0	3.7,3.6		
JMA	IV	15 06 40 48.8	27.11N	130.05E	46	3.6,3.6		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s235.00000°,δ59.00000°,λ-67.00000°. NP2:ϕ_s16.00000°,δ38.00000°,λ-123.00000°. $M_0$5.22000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.2km az=175.6.
IDC Error ellipse: s-maj=47.3km s-min=19.5km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**IV**	**15 07 23 33.8–.35**	**27.00N–.03**	**129.94E–.03**	**14–1**	**5.0b,4.9s**	**523**	**1-173**
NIED	IV	15 07 23 00	27.00N	129.90E	5	5.0W,4.9s		¶12583414
BJI	IV	15 07 23 30.5	26.90N	129.85E	7	5.1s,5.0b		
IDC	IV	15 07 23 31.8–.36	27.05N	129.89E	0	4.7,4.6		
DJA	IV	15 07 23 33.9–.60	27N–8.0	130E–9.0	10	5.4b,5.1		
ISCJB	IV	15 07 23 33.9–.13	26.95N–.02	129.85E–.02	23	4.8b,4.8s		
JMA	IV	15 07 23 33.9–.10	27.00N	129.91E	62	5.0,4.8s		
MOS	IV	15 07 23 35.1–1.1	27.00N	129.95E	33	5.1b,4.7s		
NEIC	IV	15 07 23 37.1–.16	26.97N	129.85E	35	5.1b,4.9W		
GCMT	IV	15 07 23 37.2–.30	27.04N	129.81E	12	5.1W,4.9W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ72.00000°,λ-106.00000°. NP2:ϕ_s37.00000°,δ24.00000°,λ-51.00000°. $M_0$3.20000×10^{16}
IDC Error ellipse: s-maj=13.0km s-min=9.5km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.3km az=167.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=8.4km s-min=4.9km az=102.4.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.7km az=123.0. Recorded [1 JMA] on Amami-oshima and Kikaiga-shima. Moment Tensor Solution. $M_0$3.20000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s31,c40; s77,c118; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.83±.15 $M_{\theta\theta}$-0.23±.14; $M_{\phi\phi}$4.06±.12; $M_{r\theta}$0.41±.51; $M_{\theta\phi}$1.90±.11; $M_{\phi r}$2.89±.39; Best double couple: NP1:ϕ_s32.00000°,δ29.00000°,λ-73.00000°. NP2:ϕ_s192.00000°,δ62.00000°,λ-99.00000°. Principal axes: T 5.6400,Plg17.0000° ,Azm289.0000°; N -0.8600,Plg8.0000°,Azm197.0000°; P -4.7900,Plg71.0000°,Azm81.0000° $M_0$5.20000×10^{16}

ISC	**IV**	**15 07 41 39.0–.51**	**27.05N–.04**	**129.83E–.05**	**29**	**3.9b**	**79**	**1-80**
NIED	IV	15 07 41 00	27.00N	129.90E	5	4.4W		¶12935312
ISCJB	IV	15 07 41 36.6–.36	27.04N–.03	129.89E–.03	29	3.9s,3.9b		
JMA	IV	15 07 41 36.2–.10	27.00N	129.92E	56	4.1,3.9b		
NEIC	IV	15 07 41 39.9–.57	26.96N	129.70E	35	4.1,3.9b		
IDC	IV	15 07 41 40.0–3.4	27.05N	129.99E	38–31	4.1L,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ76.00000°,λ-98.00000°. NP2:ϕ_s40.00000°,δ16.00000°,λ-61.00000°. $M_0$5.16000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=36.1.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.6km az=129.0.
IDC Error ellipse: s-maj=23.6km s-min=13.6km az=72.0.

ISC	**IV**	**15 09 38 45.1–3.4**	**27.01N–.04**	**129.91E–.04**	**8–22**	**3.8b**	**39**	**1-92**
NIED	IV	15 09 38 00	27.00N	129.90E	8	4.0W		¶12935305
ISCJB	IV	15 09 38 45.5–1.3	27.01N–.03	129.92E–.04	24–10	3.6b		
JMA	IV	15 09 38 46.4–.10	27.00N	129.93E	53	3.9		
IDC	IV	15 09 38 50.2–3.7	27.01N	129.93E	40–33	3.8,3.7		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s164.00000°,δ76.00000°,λ67.00000°. NP2:ϕ_s45.00000°,δ27.00000°,λ148.00000°. $M_0$1.27000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=36.5.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=24.9km s-min=18.7km az=98.0.

ISC	**IV**	**15 09 43 23.2–1.7**	**27.00N–.04**	**129.91E–.04**	**4–10**	**4.3b,3.4s**	**135**	**1-92**
NIED	IV	15 09 43 00	27.00N	129.90E	8	4.6W,3.4s		¶13438608
IDC	IV	15 09 43 22.9–.75	27.04N	129.93E	0	4.2,4.2		
JMA	IV	15 09 43 25.0–.10	26.99N	129.93E	42	4.3,4.2		
MOS	IV	15 09 43 26.0–1.1	27.01N	130.01E	33	4.4b,4.2		
NEIC	IV	15 09 43 27.1–.51	26.96N	129.83E	30	4.5b,4.5W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ79.00000°,λ77.00000°. NP2:ϕ_s29.00000°,δ17.00000°,λ138.00000°. $M_0$7.62000×10^{15}
IDC Error ellipse: s-maj=20.3km s-min=17.4km az=115.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=12.8km s-min=7.2km az=93.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.5km az=135.0. Moment Tensor Solution. $M_0$7.60000×10^{15}

JMA	**IV**	**16 09 36 33.9–.10**	**26.98N**	**129.92E**	**42**	**3.6**		
NIED	IV	16 09 36 00	27.00N	129.90E	8	3.8W		¶14468510

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ72.00000°,λ117.00000°. NP2:ϕ_s349.00000°,δ32.00000°,λ35.00000°. $M_0$4.75000×10^{14}

ISC	**IV**	**17 15 24 35.6–1.7**	**27.03N–.04**	**129.90E–.04**	**8–11**	**3.7b**	**32**	**1-78**
IDC	IV	17 15 24 35.5–1.4	26.96N	130.10E	0	3.9L,3.8		¶12935429
JMA	IV	17 15 24 37.2–.10	26.99N	129.90E	46	3.8,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=68.8km s-min=19.0km az=72.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**IV**	**18 02 26 26.2–1.4**	**27.03N–.04**	**129.96E–.05**	**58–32**	**3.5b**	**25**	**1-78**
IDC	IV	18 02 26 23.9–1.3	27.03N	129.98E	0	3.8,3.7		¶12935584
JMA	IV	18 02 26 25.6–.10	27.02N	129.94E	62	3.7,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=64.7km s-min=18.0km az=71.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**IV**	**18 11 07 21.5–3.3**	**27.14N–.04**	**130.03E–.04**	**17–21**	**3.7b**	**35**	**1-77**
NIED	IV	18 11 07 00	27.10N	130.00E	8	3.8W		¶12935554
IDC	IV	18 11 07 19.9–.98	27.15N	129.76E	0	3.9,3.8		
ISCJB	IV	18 11 07 22.3–.57	27.14N–.03	130.03E–.04	33–7	3.6b,3.8		
JMA	IV	18 11 07 22.2	27.12N	130.05E	54	4.0,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s250.00000°,δ67.00000°,λ-68.00000°. NP2:ϕ_s24.00000°,δ32.00000°,λ-131.00000°. $M_0$5.85000×10^{14}
IDC Error ellipse: s-maj=41.5km s-min=18.8km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.5km az=29.4.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**IV**	**20 07 22 40.4–.21**	**27.17N–.02**	**129.90E–.02**	**29**	**5.2b,4.6s**	**679**	**1-173**
NIED	IV	20 07 22 00	27.10N	130.00E	5	4.9W,4.6s		¶12610919
IDC	IV	20 07 22 35.9–.37	27.16N	130.00E	0	4.9,4.9		
NEIC	IV	20 07 22 37.9–.15	27.10N	129.90E	10	5.3b,4.9W		
JMA	IV	20 07 22 38.1–.10	27.09N	130.01E	59	5.1,4.9W		
BJI	IV	20 07 22 39.3	27.14N	129.99E	44	5.0s,5.0b		
ISCJB	IV	20 07 22 39.9–.11	27.16N–.02	129.90E–.02	32	5.1b,4.7s		
GCMT	IV	20 07 22 41.0–.20	27.09N	129.91E	12	5.1W,4.7s		
DJA	IV	20 07 22 42.9–2.9	27N–6.0	130E–7.0	47–28	6.2,5.6b		
MOS	IV	20 07 22 44.3–.94	28.03N	129.83E	33	5.4b,5.0s		
SZGRF	IV	20 07 22 49.1	28.07N	129.19E	34	5.0b,4.8s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ53.00000°,λ-120.00000°. NP2:ϕ_s230.00000°,δ46.00000°,λ-57.00000°. $M_0$2.92000×10^{16}
IDC Error ellipse: s-maj=13.6km s-min=10.5km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=130.0. Recorded [1 JMA] on Amami-oshima and Tokuno-shima. Moment Tensor Solution. $M_0$2.90000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=155.9.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s40,c63; s63,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.16±.13 $M_{\theta\theta}$0.65±.12; $M_{\phi\phi}$3.50±.12; $M_{r\theta}$0.70±.37; $M_{\theta\phi}$3.15±.10; $M_{\phi r}$0.81±.35; Best double couple: NP1:ϕ_s30.00000°,δ39.00000°,λ-95.00000°. NP2:ϕ_s216.00000°,δ51.00000°,λ-86.00000°. Principal axes: T 5.6500,Plg6.0000° ,Azm303.0000°; N -1.3700,Plg3.0000°,Azm33.0000°; P -4.2800,Plg83.0000°,Azm149.0000° $M_0$5.00000×10^{16}
MOS Error ellipse: s-maj=9.7km s-min=4.9km az=115.3.
SZGRF Ryukyu Islands, Japan.

ISC	**IV**	**20 07 36 52.0–1.7**	**27.12N–.05**	**129.99E–.05**	**17–12**	**3.7b**	**24**	**1-78**
IDC	IV	20 07 36 50.0–1.2	27.16N	130.26E	0	3.7,3.5		¶12935758
JMA	IV	20 07 36 53.2–.20	27.08N	129.97E	47	3.7,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=65.7km s-min=27.3km az=85.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC	**IV**	**22 01 22 35.5–1.8**	**27.04N–.04**	**129.93E–.04**	**8–11**	**4.2s,3.9b**	**36**	**1-90**
NIED	IV	22 01 22 00	27.00N	129.90E	5	3.9W,3.9b		¶12935983
IDC	IV	22 01 22 34.7–.64	27.05N	129.92E	0	4.0s,4.0		
ISCJB	IV	22 01 22 36.0–1.3	27.04N–.03	129.96E–.04	25–10	4.1s,3.7b		
JMA	IV	22 01 22 36.9–.10	27.01N	129.95E	52	3.6,3.7b		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s242.00000°,δ60.00000°,λ-72.00000°. NP2:ϕ_s30.00000°,δ35.00000°,λ-117.00000°. $M_0$7.48000×10^{14}
IDC Error ellipse: s-maj=22.5km s-min=13.7km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.5km az=168.9.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**IV**	**22 05 29 45.2–1.8**	**27.02N–.04**	**129.93E–.04**	**7–11**	**3.9b**	**28**	**1-85**
NIED	IV	22 05 29 00	27.00N	129.90E	5	3.9W		¶12935974
IDC	IV	22 05 29 44.9–.85	26.99N	129.91E	0	4.0,3.8		
ISCJB	IV	22 05 29 46.2–1.4	27.03N–.04	129.95E–.05	25–11	3.7b,3.8		
JMA	IV	22 05 29 47.0–.10	27.00N	129.94E	49	3.7,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ51.00000°,λ-82.00000°. NP2:ϕ_s36.00000°,δ39.00000°,λ-100.00000°. $M_0$8.72000×10^{14}
IDC Error ellipse: s-maj=42.9km s-min=17.3km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.9km az=179.7.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

JMA	**IV**	**22 06 53 47.8–.10**	**27.13N**	**130.04E**	**44**	**3.5**		
NIED	IV	22 06 53 00	27.10N	130.00E	8	3.5W		¶14470479

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ55.00000°,λ-86.00000°. NP2:ϕ_s12.00000°,δ35.00000°,λ-95.00000°. $M_0$2.03000×10^{14}

JMA	**IV**	**23 16 08 10.7–.10**	**27.08N**	**130.01E**	**44**	**2.4**		
								¶13439024

JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.

ISC	**IV**	**23 16 09 55.3–.54**	**27.13N–.03**	**130.03E–.04**	**28–3**	**4.5b,4.0s**	**191**	**1-91**
NIED	IV	23 16 09 00	27.10N	130.00E	5	4.5W,4.0s		¶15417287
IDC	IV	23 16 09 51.1–.53	27.15N	129.90E	0	4.3,4.3		
BJI	IV	23 16 09 52.9	26.95N	129.96E	29	4.7b,4.5b		
ISCJB	IV	23 16 09 52.0–.76	27.11N–.02	130.03E–.03	18–5	4.4b,4.0s		
JMA	IV	23 16 09 53.7	27.11N	130.03E	60	4.3,4.0s		
MOS	IV	23 16 09 54.3–1.2	27.17N	129.92E	33	4.8b,4.0s		
NEIC	IV	23 16 09 56.7–.34	27.13N	129.84E	40	4.5b,4.5W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s196.00000°,δ55.00000°,λ-82.00000°. NP2:ϕ_s3.00000°,δ35.00000°,λ-101.00000°. $M_0$6.08000×10^{15}
IDC Error ellipse: s-maj=19.0km s-min=12.3km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.8km az=42.4.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=11.6km s-min=6.4km az=100.3.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.4km az=112.0. Moment Tensor Solution. $M_0$6.10000×10^{15}

ISC	**IV**	**23 19 15 46.8–.63**	**27.13N–.04**	**129.99E–.05**	**29**	**3.7b**	**54**	**1-79**
NIED	IV	23 19 15 00	27.10N	130.00E	11	4.2W		¶12936004
IDC	IV	23 19 15 42.7–.79	27.06N	129.84E	0	3.8,3.8		
ISCJB	IV	23 19 15 45.0–.38	27.11N–.03	130.01E–.04	29	3.6b,3.8		
JMA	IV	23 19 15 44.9–.10	27.08N	130.02E	55	3.9,3.8		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ49.00000°,λ-118.00000°. NP2:ϕ_s228.00000°,δ48.00000°,λ-61.00000°. $M_0$2.23000×10^{15}
IDC Error ellipse: s-maj=30.3km s-min=17.3km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=31.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**IV**	**23 19 19 27.2–.65**	**28.03N–.03**	**130.15E–.04**	**25–4**	**4.7b,4.1s**	**81**	**0-87**
NIED	IV	23 19 19 00	27.90N	130.20E	20	4.5W,4.1s		¶13439030
IDC	IV	23 19 19 24.6–.66	28.16N	130.02E	0	4.3,4.2		
JMA	IV	23 19 19 26.0–.20	28.00N	130.24E	34–2	4.4,4.2		
ISCJB	IV	23 19 19 26.6–.76	28.00N–.03	130.17E–.04	26–4	4.5b,4.1s		
BJI	IV	23 19 19 26.6	27.96N	129.84E	23	4.6b,4.4s		
SZGRF	IV	23 19 20 14.7	34.01N	123.65E	33	5.0b,4.4s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ57.00000°,λ96.00000°. NP2:ϕ_s197.00000°,δ33.00000°,λ80.00000°. $M_0$6.16000×10^{15}
IDC Error ellipse: s-maj=20.4km s-min=16.3km az=99.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.7km az=32.4.
SZGRF Yellow Sea.

JMA	**IV**	**23 20 12 04.0–.10**	**27.13N**	**130.06E**	**44**	**2.3**		
								¶14471119

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

JMA	**IV**	**23 20 12 54.0**	**27.08N**	**130.03E**	**51**	**3.5**		
NIED	IV	23 20 12 00	27.10N	130.00E	5	3.7W		¶15417384

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s357.00000°,δ78.00000°,λ-131.00000°. NP2:ϕ_s253.00000°,δ42.00000°,λ-19.00000°. $M_0$3.86000×10^{14}

ISC	**IV**	**25 04 08 12.1–1.7**	**29.33N–.05**	**130.70E–.09**	**12–10**	**3.7b**	**26**	**1-77**
NIED	IV	25 04 08 00	29.30N	130.80E	17	3.7W		¶12936185
JMA	IV	25 04 08 13.7–.10	29.30N	130.78E	26	3.7		
IDC	IV	25 04 08 18.6–8.8	29.47N	130.53E	58–61	3.5,3.4		

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s253.00000°,δ76.00000°,λ-134.00000°. NP2:ϕ_s149.00000°,δ45.00000°,λ-19.00000°. $M_0$3.94000×10^{14}

JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=64.3km s-min=38.8km az=160.0.
ISC IV 25 04 27 39.9–1.6 29.31N–.05 130.76E–.08 15–9 3.6b 23 1-77
NIED IV 25 04 27 00 29.30N 130.80E 8 4.1W ¶12936184
JMA IV 25 04 27 41.2–.40 29.32N 130.77E 13–5 3.9
IDC IV 25 04 27 45.7–3.0 29.42N 130.58E 57–27 3.4,3.4L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s316.00000°,δ83.00000°,λ-75.00000°. NP2:ϕ_s70.00000°,δ16.00000°,λ-155.00000°. $M_0$1.63000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=28.8km s-min=17.8km az=75.0.
JMA IV 25 04 31 38.1–.20 29.27N 130.80E 18 3.6
NIED IV 25 04 31 00 29.30N 130.80E 47 3.9W ¶14471605
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ84.00000°,λ-166.00000°. NP2:ϕ_s132.00000°,δ76.00000°,λ-6.00000°. $M_0$9.17000×10^{14}
ISC IV 25 05 12 41.0–1.4 29.33N–.06 130.66E–.10 48–13 3.5b 26 1-77
NIED IV 25 05 12 00 29.30N 130.80E 5 4.1W ¶12936180
JMA IV 25 05 12 37.1–.40 29.26N 130.82E 18–4 3.8
ISCJB IV 25 05 12 39.7–.76 29.33N–.05 130.70E–.09 54–8 3.4b,3.3s
IDC IV 25 05 12 41.6–3.3 29.42N 130.57E 51–31 3.4,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s247.00000°,δ84.00000°,λ-112.00000°. NP2:ϕ_s142.00000°,δ23.00000°,λ-16.00000°. $M_0$1.37000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=5.4km az=24.6.
IDC Error ellipse: s-maj=31.1km s-min=17.8km az=77.0.
ISC V 01 18 28 33.3–1.1 24.79N–.08 126.99E–.05 31 3.7b 26 1-74
IDC V 01 18 28 25.6–8.1 23.72N 126.32E 0 3.8,3.8 ¶13678187
ISCJB V 01 18 28 32.2–.73 24.76N–.06 127.04E–.05 31 3.6b,3.8
JMA V 01 18 28 35.0–.20 24.94N 126.86E 67 3.0,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=185.1km s-min=146.1km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=4.0km az=148.5.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC V 01 21 34 04.5–1.7 26.08N–.05 128.74E–.04 16–10 3.9b,3.1s 37 1-80
IDC V 01 21 34 02.7–.82 26.16N 128.71E 0 4.0,3.9 ¶13678198
JMA V 01 21 34 05.0–.20 26.10N 128.77E 43 3.4,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=18.1km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC V 05 08 02 48.3–.57 29.22N–.04 130.00E–.07 55–5 4.2b,3.9s 105 1-159
NIED V 05 08 02 00 29.20N 130.00E 38 4.8W,3.9s ¶13678377
JMA V 05 08 02 46.3–.10 29.23N 129.95E 67–3 4.3,3.9s
ISCJB V 05 08 02 46.7–.36 29.19N–.03 130.03E–.06 54–3 4.2b,3.8s
NEIC V 05 08 02 48.8–.75 29.16N 130.06E 61–6 4.4b,3.8s
IDC V 05 08 02 48.7–.67 29.20N 129.98E 59–6 4.0,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ83.00000°,λ78.00000°. NP2:ϕ_s287.00000°,δ14.00000°,λ152.00000°. $M_0$1.61000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=3.1km az=24.5.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=6.8km az=122.0. Recorded [1 JMA] on Akuseki-jima and Amami-oshima.
IDC Error ellipse: s-maj=17.7km s-min=11.5km az=71.0.
ISC V 06 02 18 01.7–.71 24.07N–.07 126.93E–.05 34 4.0b,3.4s 79 2-86
JMA V 06 02 18 00.6–.30 24.23N 126.84E 95 3.7,3.4s ¶13678417
NIED V 06 02 18 00 24.20N 126.80E 5 3.9W,3.4s
ISCJB V 06 02 18 00.3–.53 24.17N–.04 126.89E–.04 42 4.0b,3.4s
IDC V 06 02 18 01.9–.93 24.08N 127.03E 38–6 4.1L,3.9
NEIC V 06 02 18 02.0–.68 24.09N 126.89E 43 4.6b,3.9W
ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s247.00000°,δ56.00000°,λ-50.00000°. NP2:ϕ_s10.00000°,δ51.00000°,λ-134.00000°. $M_0$7.47000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.4km az=148.2.
IDC Error ellipse: s-maj=24.0km s-min=17.4km az=71.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=11.6km az=137.0. Moment Tensor Solution. $M_0$7.50000×10^{14}
JMA V 06 05 45 07.9–.10 27.02N 130.48E 45 3.5
¶15422126
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC V 06 06 54 56.6–2.0 27.13N–.04 130.04E–.05 15–13 3.5b 24 1-77
NIED V 06 06 54 00 27.10N 130.00E 5 3.7W ¶13678435
IDC V 06 06 54 56.0–1.1 27.07N 130.58E 0 3.8,3.6
JMA V 06 06 54 57.6–.10 27.10N 130.02E 51 3.5,3.6
ISCJB V 06 06 54 57.1–2.0 27.12N–.03 130.04E–.04 30–17 3.5b,3.0s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s244.00000°,δ63.00000°,λ-58.00000°. NP2:ϕ_s10.00000°,δ41.00000°,λ-136.00000°. $M_0$4.05000×10^{14}
ISCJB Event type ke.
ISC V 06 07 17 22.8–.42 27.20N–.03 130.01E–.03 15–1 4.7b,4.2s 261 1-93
NIED V 06 07 17 00 27.10N 130.00E 5 4.6W,4.2s ¶12754326
ISCJB V 06 07 17 19.7–.89 27.10N–.02 130.00E–.02 7–5 4.6b,4.2s
IDC V 06 07 17 20.0–.55 27.18N 130.03E 0 4.4,4.4
BJI V 06 07 17 20.3 27.20N 129.94E 8 4.7s,4.7b
NEIC V 06 07 17 21.8–.27 27.10N 129.96E 10 4.9b,4.6W
JMA V 06 07 17 22.3–.10 27.12N 130.03E 61 4.5,4.6W
MOS V 06 07 17 23.5–1.3 27.16N 130.07E 33 4.7b,4.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s209.00000°,δ69.00000°,λ-86.00000°. NP2:ϕ_s18.00000°,δ21.00000°,λ-100.00000°. $M_0$8.47000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.4km az=151.7.
IDC Error ellipse: s-maj=17.6km s-min=13.9km az=78.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.4km az=147.0. Moment Tensor Solution. $M_0$8.50000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=11.4km s-min=6.1km az=96.1.
JMA V 08 18 20 05.1 27.12N 130.06E 41 3.7
NIED V 08 18 20 00 27.10N 130.10E 5 3.9W ¶14476610
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ77.00000°,λ-77.00000°. NP2:ϕ_s3.00000°,δ18.00000°,λ-136.00000°. $M_0$6.88000×10^{14}
ISC V 09 01 38 48.0–.87 27.22N–.06 129.97E–.07 22–7 3.9b 56 1-89
NIED V 09 01 38 00 27.10N 130.10E 5 3.9W ¶13678586
IDC V 09 01 38 44.2–.78 27.18N 129.78E 0 4.0,3.9L
JMA V 09 01 38 46.9–.10 27.13N 130.05E 61 3.9,3.9L
ISCJB V 09 01 38 46.3–1.6 27.16N–.03 130.06E–.04 28–12 4.2s,4.0b
NEIC V 09 01 38 48.6–4.2 27.22N 129.82E 28–30 4.4b,4.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ80.00000°,λ-101.00000°. NP2:ϕ_s80.00000°,δ15.00000°,λ-42.00000°. $M_0$8.69000×10^{14}
IDC Error ellipse: s-maj=28.4km s-min=17.9km az=78.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.6km az=16.8.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=11.0km az=89.0.
ISC V 09 09 52 01.5–.82 27.59N–.08 127.92E–.08 105–8 3.5b 26 1-77
NIED V 09 09 52 00 27.70N 127.90E 101 3.8W ¶13678607
ISCJB V 09 09 52 00.9–.47 27.57N–.06 127.95E–.08 110–6 3.4b
JMA V 09 09 52 02.1–.10 27.66N 127.87E 93–3 3.6
IDC V 09 09 52 04.4–3.0 27.66N 127.95E 132–29 3.3,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ84.00000°,λ70.00000°. NP2:ϕ_s118.00000°,δ21.00000°,λ164.00000°. $M_0$6.23000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=5.8km az=38.8.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=31.2km s-min=17.2km az=80.0.
ISC V 10 07 33 46.5–.65 28.97N–.04 129.73E–.07 57–6 3.6b,3.2s 38 1-90
NIED V 10 07 33 00 29.10N 129.50E 53 3.9W,3.2s ¶13678657
JMA V 10 07 33 45.9–.20 29.05N 129.60E 58–4 3.8,3.2s
ISCJB V 10 07 33 45.4–.38 28.99N–.04 129.74E–.08 65–4 3.5b,3.2s
IDC V 10 07 33 46.5–.80 28.95N 129.98E 61–7 3.6,3.5

ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s185.00000°,δ60.00000°,λ-76.00000°. NP2:ϕ_s340.00000°,δ33.00000°,λ-112.00000°. $M_0$9.42000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=4.0km az=24.5.
IDC Error ellipse: s-maj=24.8km s-min=14.9km az=86.0.
ISC V 11 09 20 10.8–.76 27.55N–.07 127.12E–.08 153–7 3.7b 33 1-93
ISCJB V 11 09 20 10.1–.43 27.48N–.06 127.18E–.07 157–4 3.7b ¶13678741
JMA V 11 09 20 11.3–.20 27.66N 127.10E 138 3.7
IDC V 11 09 20 14.4–2.2 27.66N 127.17E 188–22 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=4.8km az=41.4.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=23.9km s-min=12.0km az=87.0.
ISC V 12 18 14 53.0–.83 28.24N–.06 129.65E–.07 44–6 3.7b 36 0-77
IDC V 12 18 14 48.4–4.9 28.24N 129.14E 0 3.8,3.8 ¶13678831
JMA V 12 18 14 52.9–.20 28.31N 129.65E 45–2 3.9,3.8
ISCJB V 12 18 14 52.1–.56 28.26N–.05 129.65E–.08 56–3 3.5b,3.8
NIED V 12 18 15 00 28.30N 129.70E 59 3.8W,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=100.5km s-min=49.7km az=143.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=13.9km s-min=4.1km az=35.2.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ75.00000°,λ-41.00000°. NP2:ϕ_s16.00000°,δ51.00000°,λ-161.00000°. $M_0$5.51000×10^{14}
ISC V 14 13 15 04.6–1.5 27.89N–.08 127.93E–.08 129–14 27 1-5
NIED V 14 13 15 00 27.90N 127.90E 116 3.7W ¶14478655
ISCJB V 14 13 15 04.4–.69 27.90N–.09 127.91E–.10 123–11 3.7W
JMA V 14 13 15 06.4–.20 27.95N 127.94E 108–5 3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ75.00000°,λ-32.00000°. NP2:ϕ_s140.00000°,δ60.00000°,λ-162.00000°. $M_0$3.83000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=5.0km az=136.8.
JMA Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
ISC V 16 23 42 41.5–.87 27.83N–.08 128.95E–.09 44–7 3.6b 27 0-77
ISCJB V 16 23 42 41.1–.43 27.87N–.07 128.92E–.09 53–5 3.5b ¶13679087
JMA V 16 23 42 41.6–.10 27.95N 128.85E 43–1 3.3
IDC V 16 23 42 46.5–8.3 27.95N 128.82E 88–53 3.5,3.3
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=16.8km s-min=4.6km az=41.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=71.6km s-min=27.4km az=166.0.
ISC V 20 17 09 31.3–1.4 28.58N–.05 130.14E–.09 28–9 3.8b 27 0-77
ISCJB V 20 17 09 30.4–.81 28.57N–.04 130.20E–.08 37–7 3.6b ¶15427218
JMA V 20 17 09 30.6–.20 28.59N 130.16E 35–4 3.3
IDC V 20 17 09 33.7–3.2 28.64N 130.26E 51–30 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=5.5km az=23.4.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=32.6km s-min=18.2km az=83.0.
ISC V 20 19 24 55.4–.98 28.61N–.05 130.08E–.07 32–6 3.9b,3.7s 55 0-92
IDC V 20 19 24 50.6–.63 28.69N 130.05E 0 4.1,4.0 ¶13439727
ISCJB V 20 19 24 55.0–.52 28.59N–.04 130.13E–.06 45–4 4.0b,3.6s
JMA V 20 19 24 55.0–.20 28.60N 130.12E 35–3 4.1,3.6s
NIED V 20 19 25 00 28.70N 130.20E 23 4.2W,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=14.5km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=4.0km az=28.8.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ57.00000°,λ95.00000°. NP2:ϕ_s197.00000°,δ34.00000°,λ83.00000°. $M_0$2.43000×10^{15}
ISC V 20 20 11 22.9–1.4 28.62N–.05 130.09E–.07 31–9 4.0b,3.4s 58 0-84
NIED V 20 20 11 00 28.60N 130.20E 23 4.2W,3.4s ¶13439728
IDC V 20 20 11 18.0–.74 28.70N 130.22E 0 4.0,4.0
ISCJB V 20 20 11 22.3–.56 28.58N–.04 130.16E–.06 43–4 4.0b,3.4s
JMA V 20 20 11 22.8–.10 28.60N 130.12E 33–2 4.1,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ69.00000°,λ81.00000°. NP2:ϕ_s224.00000°,δ23.00000°,λ111.00000°. $M_0$2.42000×10^{15}
IDC Error ellipse: s-maj=26.5km s-min=15.2km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=4.0km az=30.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC V 20 21 35 14.8–1.7 28.61N–.07 130.1E–.10 30–9 3.7b 21 0-77
IDC V 20 21 35 07.1–6.3 27.94N 129.97E 0 3.6,3.6 ¶13679335
ISCJB V 20 21 35 14.2–1.1 28.59N–.08 130.2E–.10 41–8 3.5b,3.6
JMA V 20 21 35 14.5–.20 28.58N 130.15E 38–3 3.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=206.1km s-min=122.9km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=9.4km az=34.8.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC V 23 20 56 46.2–1.1 29.17N–.04 130.16E–.08 44–10 3.7b 49 1-87
NIED V 23 20 56 00 29.20N 130.20E 23 3.9W ¶13679491
IDC V 23 20 56 40.0–.68 29.22N 130.09E 0 3.9,3.8L
ISCJB V 23 20 56 44.9–.48 29.14N–.03 130.24E–.07 52–4 3.7b,3.4s
JMA V 23 20 56 45.2 29.17N 130.18E 58–3 3.6,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ67.00000°,λ102.00000°. NP2:ϕ_s209.00000°,δ26.00000°,λ65.00000°. $M_0$6.89000×10^{14}
IDC Error ellipse: s-maj=22.8km s-min=16.8km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=3.7km az=26.8.
ISC V 25 01 06 14.2–.53 29.56N–.07 130.69E–.07 34 4.2b,4.1s 115 3-99
IDC V 25 01 06 08.8–.62 29.50N 130.56E 0 4.1,4.1 ¶12867606
ISCJB V 25 01 06 12.8–.40 29.54N–.05 130.60E–.06 34 4.2b,4.1s
MOS V 25 01 06 12.5–1.1 29.57N 130.61E 33 4.7b,4.1s
NEIC V 25 01 06 14.7–.91 29.51N 130.61E 37–8 4.5b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=15.1km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.9km az=135.7.
MOS Error ellipse: s-maj=13.0km s-min=6.5km az=111.9.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.0km az=130.0.
JMA V 26 10 14 04.6–.10 26.87N 129.45E 74 2.6
¶15429347
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC V 26 14 17 24.3–1.2 29.17N–.04 130.16E–.10 44–12 3.3b 25 1-77
ISCJB V 26 14 17 23.7–.53 29.17N–.04 130.15E–.09 54–6 3.3b ¶13679683
JMA V 26 14 17 23.2–.10 29.18N 130.15E 58–4 3.4
IDC V 26 14 17 36.4–10 30.04N 130.06E 113–56 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=4.2km az=19.8.
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=131.7km s-min=27.4km az=178.0.
ISC V 29 06 25 56.5–1.1 25.15N–.09 126.24E–.07 55–11 3.7b 28 1-80
IDC V 29 06 25 49.6–.85 25.16N 125.78E 0 3.9,3.7 ¶13679872
ISCJB V 29 06 25 56.2–.55 25.26N–.08 126.12E–.08 66–5 3.6b,3.7
JMA V 29 06 25 56.4–.20 25.28N 126.09E 67–3 3.2,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=37.8km s-min=19.5km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=4.7km az=139.0.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC V 29 22 29 35.0–.61 26.22N–.05 127.53E–.04 62–4 4.2b 106 0-85
NIED V 29 22 29 00 26.30N 127.40E 44 4.2W ¶13077422
BJI V 29 22 29 25.0 25.30N 128.30E 76 4.6b,4.2b
ISCJB V 29 22 29 33.2–.35 26.32N–.04 127.38E–.04 57–3 4.2b,3.3s
JMA V 29 22 29 33.9–.10 26.32N 127.36E 52–1 4.1,3.3s
NEIC V 29 22 29 35.0–.65 26.28N 127.37E 58–5 4.5b,4.2W
IDC V 29 22 29 36.1–3.2 26.37N 127.33E 64–28 4.0,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s5.00000°,δ61.00000°,λ62.00000°. NP2: ϕ_s232.00000°,δ39.00000°,λ130.00000°. $M_0$2.15000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=3.8km az=145.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=10.8km s-min=6.0km az=136.0. Felt at Nago and Okinawa, Okinawa. Recorded [2 JMA] on Okinawa and [1 JMA] on Aguni-jima and Kume-jima. Moment Tensor Solution. $M_0$2.20000×10^{15}
IDC Error ellipse: s-maj=22.4km s-min=17.6km az=81.0.
ISC V 31 20 58 19.1–.73 27.52N–.07 127.73E–.06 124–7 3.7b 36 1-78
NIED V 31 20 58 00 27.70N 127.60E 89 3.7W **¶13680059**
ISCJB V 31 20 58 17.9–.37 27.50N–.06 127.74E–.06 130–5 3.4b
JMA V 31 20 58 19.7–.20 27.65N 127.65E 105–3 3.5
IDC V 31 20 58 21.4–9.3 27.66N 127.57E 135–56 3.2,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ74.00000°,λ81.00000°. NP2:ϕ_s67.00000°,δ18.00000°,λ118.00000°. $M_0$3.39000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=4.8km az=137.6.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=94.4km s-min=25.5km az=180.0.
ISC VI 08 03 55 07.4–.66 26.40N–.06 126.45E–.05 118–6 3.4b 42 0-79
ISCJB VI 08 03 55 05.9–.38 26.50N–.06 126.36E–.06 113–5 3.5b **¶13680868**
JMA VI 08 03 55 07.6–.20 26.51N 126.36E 105–2 3.2
IDC VI 08 03 55 08.5–3.5 26.50N 126.22E 119–33 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=3.8km az=140.2.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=32.9km s-min=16.6km az=67.0.
ISC VI 09 02 22 56.0–.88 26.74N–.06 127.55E–.05 79–7 4.3b 28 0-50
IDC VI 09 02 22 49.0–1.4 26.46N 126.70E 0 4.2,4.0b **¶13681014**
ISCJB VI 09 02 22 54.8–.45 26.80N–.07 127.48E–.07 81–5 4.0b,4.0b
JMA VI 09 02 22 56.1–.10 26.90N 127.42E 71–2 3.8,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=55.2km s-min=25.5km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=14.9km s-min=4.7km az=142.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VI 09 18 50 09.6–1.9 27.38N–.04 130.37E–.04 15–12 3.9b,3.3s 62 1-79
NIED VI 09 18 50 00 27.40N 130.40E 5 4.1W,3.3s **¶13440013**
ISCJB VI 09 18 50 09.7–1.2 27.39N–.03 130.37E–.04 29–9 3.9b,3.3s
JMA VI 09 18 50 09.7–.10 27.36N 130.37E 69 4.1,3.3s
MOS VI 09 18 50 10.6–.80 27.44N 130.51E 33 4.1b,3.3s
IDC VI 09 18 50 12.8–5.8 27.46N 130.44E 33–45 3.8,3.7L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ58.00000°,λ-127.00000°. NP2:ϕ_s61.00000°,δ47.00000°,λ-46.00000°. $M_0$1.34000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=36.7.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=19.4km s-min=11.2km az=102.4.
IDC Error ellipse: s-maj=20.1km s-min=16.9km az=89.0.
JMA VI 14 22 34 55.5–.20 27.02N 127.24E 86–2 3.6
¶15436827
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
JMA VI 15 15 54 25.3–.10 27.11N 130.02E 45 3.5
¶15437050
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VI 18 10 58 24.2–.98 27.45N–.07 128.63E–.08 47–9 4.1b,3.0s 40 0-78
NIED VI 18 10 58 00 27.50N 128.60E 47 4.2W,3.0s **¶13383506**
ISCJB VI 18 10 58 23.5–.42 27.49N–.06 128.61E–.08 57–4 4.0b,3.2s
JMA VI 18 10 58 24.2 27.47N 128.62E 44–1 3.9,3.2s
IDC VI 18 10 58 26.8–2.8 27.49N 128.50E 70–25 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ80.00000°,λ79.00000°. NP2:ϕ_s269.00000°,δ15.00000°,λ136.00000°. $M_0$2.07000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=14.3km s-min=4.4km az=39.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=20.8km s-min=14.7km az=80.0.
ISC VI 21 00 06 11.1–.70 24.13N–.07 126.95E–.05 34 4.3b,3.6s 97 2-89
IDC VI 21 00 06 05.5–.84 24.06N 127.07E 0 4.2,4.0 **¶13383524**
MOS VI 21 00 06 08.7–.82 24.08N 127.11E 33 4.7b,4.0
ISCJB VI 21 00 06 09.0–.43 24.15N–.04 126.92E–.03 34 4.2b,3.5s
JMA VI 21 00 06 09.0–.50 24.21N 126.92E 94 3.4,3.5s
NEIC VI 21 00 06 11.7–.74 24.08N 126.91E 45 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=16.2km az=77.0.
MOS Error ellipse: s-maj=18.0km s-min=8.5km az=117.9.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.3km az=151.2.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.9km az=134.0.
ISC VI 21 01 03 22.1–.45 24.14N–.04 126.97E–.03 34 4.4b,3.8s 157 2-115
NIED VI 21 01 03 00 24.20N 126.90E 5 4.1W,3.8s **¶13306207**
IDC VI 21 01 03 16.8–.66 24.06N 127.04E 0 4.2,4.2
BJI VI 21 01 03 17.3 24.09N 126.82E 4 4.7b,4.5b
NEIC VI 21 01 03 18.4–.39 24.04N 126.95E 10 4.4b,4.5b
JMA VI 21 01 03 20.6–.30 24.18N 126.93E 82 3.6,4.5b
MOS VI 21 01 03 20.0–.95 24.06N 127.07E 33 4.7b,4.5b
ISCJB VI 21 01 03 20.5–.35 24.15N–.03 126.94E–.03 34 4.3b,3.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s53.00000°,δ47.00000°,λ-70.00000°. NP2:ϕ_s205.00000°,δ46.00000°,λ-110.00000°. $M_0$1.50000×10^{15}
NEIC Event type se.
ISCJB Event type se.
ISC VI 22 09 50 34.2–.71 29.23N–.04 129.44E–.07 86–7 3.5b 42 1-75
NIED VI 22 09 50 00 29.30N 129.30E 53 4.1W **¶13681834**
ISCJB VI 22 09 50 33.3–.32 29.23N–.04 129.43E–.08 94–5 3.5b
JMA VI 22 09 50 33.7–.10 29.25N 129.37E 81–2 3.9
IDC VI 22 09 50 35.0–2.7 29.17N 129.30E 97–25 3.4,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ81.00000°,λ82.00000°. NP2:ϕ_s30.00000°,δ12.00000°,λ130.00000°. $M_0$1.80000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=3.5km az=26.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=28.0km s-min=16.8km az=76.0.
JMA VI 22 12 51 35.1–.20 26.30N 129.10E 42 3.5
NIED VI 22 12 51 00 26.30N 129.10E 20 3.7W **¶14492218**
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ84.00000°,λ38.00000°. NP2:ϕ_s277.00000°,δ52.00000°,λ173.00000°. $M_0$3.62000×10^{14}
ISC VI 24 01 32 15.6–.44 27.94N–.04 128.45E–.04 94–3 4.7b 403 0-161
NIED VI 24 01 32 00 27.90N 128.50E 89 4.5W **¶13231848**
SZGRF VI 24 01 32 08.3 28.37N 129.49E 33 5.2b
BJI VI 24 01 32 11.7 27.68N 128.67E 94 4.5b,4.4b
ISCJB VI 24 01 32 14.8–.22 27.94N–.03 128.45E–.03 95–2 4.6b,4.4b
MOS VI 24 01 32 14.5–1.0 27.93N 128.43E 94 4.7b,4.4b
NEIC VI 24 01 32 15.7–.45 27.88N 128.36E 95–4 4.7b,4.5W
JMA VI 24 01 32 15.9–.10 28.00N 128.42E 83–2 4.4,4.5W
IDC VI 24 01 32 16.6–1.7 27.97N 128.39E 101–14 4.4,4.4
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s133.00000°,δ77.00000°,λ-127.00000°. NP2:ϕ_s27.00000°,δ39.00000°,λ-21.00000°. $M_0$6.42000×10^{15}
SZGRF Ryukyu Islands, Japan.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.0km az=135.1.
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=109.6.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.2km az=141.0. Felt at Chatan, Okinawa. Recorded [1 JMA] on Kakeroma-jima, Okino-erabu-shima, Toku-no-shima and Uke-jima. Moment Tensor Solution. $M_0$6.40000×10^{15}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=14.4km s-min=12.3km az=124.0.

(239) Southeast of Ryukyu Islands.

ISC I 15 14 24 56.9–1.1 29.89N–.05 131.25E–.09 27 3.9b 23 1-77
NIED I 15 14 24 00 30.00N 131.40E 23 4.0W **¶12081338**
IDC I 15 14 24 51.0–3.8 29.54N 131.25E 0 3.8b,3.8
ISCJB I 15 14 24 56.1–.86 29.94N–.04 131.40E–.09 27 3.8b,3.1s
JMA I 15 14 24 57.2–.20 29.97N 131.39E 39–3 3.5,3.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ58.00000°,λ76.00000°. NP2:ϕ_s230.00000°,δ35.00000°,λ111.00000°. $M_0$1.11000×10^{15}
IDC Error ellipse: s-maj=75.5km s-min=43.6km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.9km az=14.8.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
JMA I 23 05 56 13.9–.10 26.99N 130.01E 68–4 3.9
¶15534303
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
JMA I 26 09 45 47.3–.20 25.91N 129.21E 48 3.6
NIED I 26 09 45 00 25.90N 129.20E 8 3.6W **¶14146588**
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ71.00000°,λ-121.00000°. NP2:ϕ_s259.00000°,δ36.00000°,λ-33.00000°. $M_0$2.38000×10^{14}
JMA II 08 15 31 21.1–.40 26.62N 131.98E 0 3.8
¶15540208
JMA Error ellipse: s-maj=1.1km s-min=4.0km az=-1.0.
ISC II 22 13 50 15.6–.33 24.39N–.03 127.05E–.03 26–1 5.0b,4.2s 638 2-170
NIED II 22 13 50 00 24.40N 127.10E 14 4.8W,4.2s **¶11713532**
IDC II 22 13 50 11.3–.37 24.34N 127.15E 0 4.8,4.8
BJI II 22 13 50 12.3 24.41N 127.29E 19 4.9b,4.7b
NEIC II 22 13 50 13.8–1.8 24.33N 127.10E 15–11 5.1b,4.8W
DJA II 22 13 50 14 24.39N 127.09E 10 5.3b,4.8W
JMA II 22 13 50 15.0–.30 24.44N 127.06E 64 5.0,4.8W
MOS II 22 13 50 15.0–1.2 24.34N 127.11E 33 5.2b,4.6s
ISCJB II 22 13 50 16.6–.12 24.36N–.02 126.93E–.02 41 5.0b,4.2s
SZGRF II 22 13 50 29.8 26.60N 124.30E 33 5.2b,4.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s277.00000°,δ61.00000°,λ-79.00000°. NP2:ϕ_s75.00000°,δ31.00000°,λ-109.00000°. $M_0$1.92000×10^{16}
IDC Error ellipse: s-maj=13.8km s-min=9.4km az=78.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.8km az=107.0. Moment Tensor Solution. $M_0$1.90000×10^{16}
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=8.9km s-min=4.7km az=116.6.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.4km az=165.2.
SZGRF Northeast of Taiwan.
ISC III 15 18 35 26.3–2.1 27.98N–.03 131.02E–.05 14–13 3.5b 37 1-76
NIED III 15 18 35 00 28.00N 131.00E 5 3.7W **¶12703369**
IDC III 15 18 35 25.9–1.1 27.88N 131.12E 0 3.6,3.5
JMA III 15 18 35 27.7–.10 27.96N 131.02E 77–3 3.7,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s256.00000°,δ67.00000°,λ127.00000°. NP2:ϕ_s13.00000°,δ42.00000°,λ35.00000°. $M_0$3.48000×10^{14}
IDC Error ellipse: s-maj=39.4km s-min=21.6km az=92.0.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC IV 15 04 59 36.1–1.9 29.09N–.03 131.78E–.05 27–13 4.3b,3.6s 137 2-133
NIED IV 15 04 59 00 29.10N 131.80E 5 4.4W,3.6s **¶13438567**
ISCJB IV 15 04 59 33.0–1.2 29.12N–.02 131.77E–.03 18–9 4.3b,3.6s
NEIC IV 15 04 59 34.7–2.7 29.10N 131.76E 16–17 4.5b,4.4W
MOS IV 15 04 59 35.1–1.0 29.15N 131.81E 33 4.6b,4.4W
JMA IV 15 04 59 35.3–.20 29.14N 131.75E 72 4.4,4.4W
IDC IV 15 04 59 37.1–3.1 29.15N 131.76E 31–22 4.2,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ59.00000°,λ-45.00000°. NP2:ϕ_s341.00000°,δ53.00000°,λ-139.00000°. $M_0$4.62000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.9km az=20.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.6km az=102.0. Moment Tensor Solution. $M_0$4.60000×10^{15}
MOS Error ellipse: s-maj=12.9km s-min=7.0km az=105.2.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=16.4km s-min=13.0km az=69.0.
ISC V 07 02 44 13.1–1.5 24.37N–.08 127.54E–.05 47 3.6b 22 2-48
IDC V 07 02 44 07.7–7.0 25.42N 129.28E 0 3.8,3.6 **¶13678475**
JMA V 07 02 44 16.3–.40 24.63N 127.39E 83 3.0,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=350.6km s-min=28.1km az=63.0.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC VI 19 00 35 17.6–.91 24.82N–.05 127.76E–.04 30 3.8b 30 1-74
IDC VI 19 00 35 14.9–2.6 24.64N 127.44E 0 3.9,3.7 **¶13681627**
ISCJB VI 19 00 35 16.7–.62 24.80N–.04 127.75E–.04 30 3.6b,3.7
JMA VI 19 00 35 18.7–.30 24.90N 127.70E 79 3.0,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=168.2km s-min=22.5km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.2km az=136.6.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
JMA VI 25 14 38 14.0–.30 25.27N 129.16E 53 3.5
¶15440823
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.

SEISMIC REGION 21.
Taiwan.

(242) Near coast of southeastern China.

ISC III 23 02 08 33.9–1.2 25.40N–.03 119.90E–.03 1–9 3.8b 85 1-82
BJI III 23 02 08 30.7 25.20N 120.30E 10 4.5L,4.0 **¶12635349**
IDC III 23 02 08 33.7–.90 25.41N 120.01E 0 3.9,3.7
ISCJB III 23 02 08 35.2–.99 25.39N–.03 119.86E–.02 12–7 3.7b,3.6s
TAP III 23 02 08 35.6 25.34N 119.88E 15–1 4.3L,3.6s
NEIC III 23 02 08 36.7–12 25.31N 119.99E 10 4.3L,3.6s
ISC Event type fe.
IDC Error ellipse: s-maj=54.9km s-min=17.0km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.4km az=13.6.
TAP C.
NEIC Event type fe. Error ellipse: s-maj=144.0km s-min=21.1km az=133.0. Felt at Fuzhou.

(243) Taiwan region.

ISC I 01 20 40 57.8–.81 24.89N–.04 122.22E–.03 118–5 3.5b 118 0-50
ISCJB I 01 20 40 57.6–.40 24.88N–.03 122.22E–.02 120–3 3.4b **¶12079777**
TAP I 01 20 40 58.0 24.90N 122.23E 117–0 4.2L
JMA I 01 20 40 58.1–.20 24.98N 122.24E 112 2.9
IDC I 01 20 41 22.9–17 25.45N 123.05E 418–253 2.9,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=161.0.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=187.4km s-min=16.4km az=60.0.
ISC I 01 21 00 06.2–1.5 24.28N–.05 122.91E–.03 74–12 67 0-3
JMA I 01 21 00 05.9–.10 24.44N 122.95E 81–1 2.4 **¶13862213**
ISCJB I 01 21 00 05.9–.58 24.29N–.04 122.90E–.02 73–7 2.4
TAP I 01 21 00 06.0 24.28N 122.89E 76–1 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.3km az=179.6.
TAP C.
ISC I 02 01 39 51.1–.32 21.50N–.03 119.91E–.03 41–2 4.5b,4.0s 412 1-175
NIED I 02 01 39 00 21.40N 120.30E 59 4.7W,4.0s **¶11528168**
MOS I 02 01 39 48.4–.89 21.50N 119.91E 33 4.8b,4.2s
IDC I 02 01 39 50.1–.51 21.45N 119.84E 32–3 4.0,4.0
TAP I 02 01 39 51.6 21.65N 119.91E 65–0 5.1L,4.0
BJI I 02 01 39 51.2 21.69N 119.77E 45 4.6L,4.6b
ISCJB I 02 01 39 51.0–.34 21.56N–.02 119.95E–.02 57–3 4.4b,4.0s
NEIC I 02 01 39 51.3–.50 21.51N 119.94E 42–4 4.6b,4.0s
JMA I 02 01 39 53.0–.20 21.38N 120.31E 64 4.8,4.0s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ82.00000°,λ98.00000°. NP2:ϕ_s85.00000°,δ11.00000°,λ45.00000°. $M_0$1.28000×10^{16}
MOS Error ellipse: s-maj=10.3km s-min=6.4km az=120.1.
IDC Error ellipse: s-maj=18.6km s-min=10.7km az=72.0.
TAP C.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.1km az=36.1.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=4.0km az=87.0. Felt at Kao-hsiung. Recorded [2 TAP] in P'eng-hu and T'ai-nan; [1 TAP] in Chia-i, Kao-hsiung, P'ing-tung and T'ai-tung.

JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
TAP I 02 19 52 11.6 21.31N 121.84E 183–0 3.9L
¶13862251
TAP D.
ISC I 04 03 53 54.1–.66 24.02N–.02 122.18E–.02 31–4 4.2b 214 0-96
NIED I 04 03 53 00 24.10N 122.00E 32 4.5W **¶13404590**
JMA I 04 03 53 51.8–.30 24.06N 121.99E 39 4.6
BJI I 04 03 53 51.8 24.10N 122.10E 4 4.3b,4.3b
ISCJB I 04 03 53 52.8–.36 24.02N–.02 122.27E–.02 26–2 4.2b,4.3b
NEIC I 04 03 53 53.6–1.3 24.07N 122.20E 29–9 4.4b,4.3b
TAP I 04 03 53 53.3 24.07N 122.18E 18–0 4.7L,4.3b
IDC I 04 03 53 56.1–3.0 24.20N 122.29E 49–30 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s62.00000°,δ80.00000°,λ-43.00000°. NP2:ϕ_s161.00000°,δ48.00000°,λ-166.00000°. $M_0$5.31000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.1km az=44.1.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.6km az=94.0.
TAP C.
IDC Error ellipse: s-maj=19.4km s-min=14.3km az=60.0.
ISC I 04 22 12 48.6–1.1 22.89N–.04 122.49E–.03 20–9 69 1-3
JMA I 04 22 12 51.3–.20 22.96N 122.59E 67 2.5 **¶13862331**
TAP I 04 22 12 51.5 22.95N 122.42E 57–1 3.4L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC I 04 22 52 45.3–1.2 23.85N–.04 122.66E–.02 9–10 43 1-2
ISCJB I 04 22 52 44.9–1.1 23.80N–.03 122.68E–.02 2–8 **¶13862332**
TAP I 04 22 52 46.5 23.82N 122.58E 8–1 3.1L
JMA I 04 22 52 48.7–.40 23.99N 122.71E 16 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=169.6.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC I 06 12 28 29.7–.83 23.75N–.03 122.65E–.02 45–11 3.3b 95 1-83
IDC I 06 12 28 24.4–4.8 23.96N 122.68E 0 3.6,3.5 **¶12080506**
JMA I 06 12 28 27.9–.20 23.80N 122.58E 55 3.3,3.5
ISCJB I 06 12 28 28.3–.29 23.75N–.02 122.63E–.02 43–7 3.3b,3.5
TAP I 06 12 28 28.9 23.80N 122.57E 39–1 3.9L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=111.4km s-min=29.8km az=179.0.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=161.1.
TAP D.
TAP I 06 14 03 17.3 21.25N 122.22E 153–1 3.5L
¶13862408
TAP C.
ISC I 06 16 14 39.4–1.1 22.80N–.02 121.53E–.03 13–9 73 0-3
ISCJB I 06 16 14 39.8–.52 22.79N–.02 121.56E–.03 15–7 **¶13862416**
TAP I 06 16 14 41.3 22.84N 121.45E 20–0 3.2L
JMA I 06 16 14 42.2–.30 22.78N 121.61E 77 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=175.7.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC I 06 20 50 59.4–1.4 24.53N–.05 122.66E–.02 86–10 90 0-3
ISCJB I 06 20 50 58.8–.55 24.55N–.03 122.67E–.02 88–6 **¶13862428**
TAP I 06 20 50 58.6 24.59N 122.62E 99–0 3.7L
JMA I 06 20 50 58.4–.20 24.63N 122.68E 96–2 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.7km az=174.9.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP I 06 21 32 04.4 21.24N 122.95E 78–2 4.0L
¶13862429
TAP D.
ISC I 07 15 52 21.2–1.2 21.92N–.06 121.75E–.08 121–7 3.1b 69 0-47
IDC I 07 15 52 06.4–3.0 21.90N 122.08E 0 3.4,3.3b **¶12080653**
TAP I 07 15 52 21.6 21.97N 121.75E 120–1 3.9L,3.3b
ISCJB I 07 15 52 22.1–.72 21.98N–.04 121.68E–.07 121–5 3.1b,3.3b
ISC Event type ke.
TAP D.
ISCJB Event type ke.
TAP I 08 07 22 19.2 21.10N 122.30E 153–1 3.9L
¶13862507
TAP C.
ISC I 09 08 47 04.2–1.5 24.53N–.04 122.57E–.03 83–11 82 0-3
JMA I 09 08 47 02.9–.30 24.75N 122.60E 91–3 2.7 **¶13862532**
ISCJB I 09 08 47 03.7–.60 24.54N–.03 122.58E–.02 85–6 2.7
TAP I 09 08 47 03.4 24.55N 122.61E 81–1 3.8L
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=178.5.
TAP D.
ISC I 09 15 16 53.7–1.7 24.61N–.08 122.78E–.03 102–12 58 0-3
TAP I 09 15 16 52.9 24.63N 122.75E 115–0 3.4L **¶13862543**
ISCJB I 09 15 16 53.2–.68 24.61N–.06 122.79E–.02 103–6 3.4L
JMA I 09 15 16 53.1–.20 24.75N 122.83E 104–2 2.8
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=3.5km az=179.7.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC I 10 15 18 24.6–1.1 23.93N–.03 122.51E–.02 28–9 3.4b 115 1-83
ISCJB I 10 15 18 24.4–.40 23.91N–.02 122.55E–.02 16–4 3.4b **¶12080961**
JMA I 10 15 18 25.5–.30 23.99N 122.54E 22 3.1
TAP I 10 15 18 25.2 23.97N 122.51E 27–0 3.8L
IDC I 10 15 18 33.5–6.2 24.03N 122.38E 105–58 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=171.7.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
TAP C.
IDC Error ellipse: s-maj=47.8km s-min=16.3km az=68.0.
ISC I 11 13 05 53.2–1.0 22.89N–.02 121.41E–.03 18–5 87 0-4
ISCJB I 11 13 05 53.1–.40 22.88N–.02 121.45E–.03 17–6 **¶13862646**
TAP I 11 13 05 54.3 22.91N 121.31E 25–0 3.2L
JMA I 11 13 05 54.9–.20 22.80N 121.52E 86 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=166.3.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
ISC I 12 00 49 28.5–1.0 24.77N–.04 122.41E–.02 15–9 54 0-2
JMA I 12 00 49 25.1–.10 24.85N 122.31E 0 3.1 **¶13862687**
ISCJB I 12 00 49 28.4–.51 24.81N–.04 122.43E–.02 3–4 3.1
TAP I 12 00 49 29.7 24.81N 122.36E 16–0 3.3L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.8km az=8.2.
TAP C.
ISC I 12 13 35 31.4–1.1 24.02N–.03 122.23E–.02 15–9 67 1-2
JMA I 12 13 35 31.1–.30 24.02N 122.18E 22 2.9 **¶13862704**
ISCJB I 12 13 35 32.1–.46 24.01N–.03 122.26E–.02 17–5 2.9
TAP I 12 13 35 33.0 24.10N 122.19E 23–0 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=162.3.
TAP D.
TAP I 13 10 28 19.9 21.33N 121.98E 165–1 3.7L
¶13862755
TAP D.
ISC I 15 04 48 26.5–.82 24.87N–.02 122.03E–.03 11–5 3.9b,3.5s 93 0-98
ISCJB I 15 04 48 25.4–.53 24.92N–.02 122.12E–.02 1–3 3.9b,3.6s **¶12081307**
TAP I 15 04 48 26.0 24.88N 122.02E 5–0 4.1L,3.6s
BJI I 15 04 48 35.8 25.30N 121.23E 17 4.3b,3.8b
IDC I 15 04 48 39.7–5.8 24.76N 121.76E 123–55 3.7,3.6s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=38.6.
TAP C.
IDC Error ellipse: s-maj=33.8km s-min=14.7km az=65.0.
ISC I 15 23 27 42.9–1.7 24.67N–.06 122.44E–.03 96–11 60 1-3
TAP I 15 23 27 41.7 24.74N 122.40E 107–0 3.3L **¶13862894**
ISCJB I 15 23 27 42.0–.70 24.70N–.04 122.44E–.02 101–6 3.3L
JMA I 15 23 27 42.0–.20 24.78N 122.46E 102–2 2.6
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.6km az=171.1.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC I 17 15 16 12.6–1.3 24.02N–.06 122.88E–.02 11–11 31 0-2
ISCJB I 17 15 16 12.3–1.3 24.00N–.05 122.87E–.03 5–9 **¶13862965**
TAP I 17 15 16 13.5 23.99N 122.81E 13–2 2.9L
JMA I 17 15 16 13.0–.20 24.05N 122.85E 15 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.9km az=4.7.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC I 18 15 11 55.1–1.4 21.87N–.06 121.23E–.03 17–8 67 0-4
ISCJB I 18 15 11 53.0–.75 21.89N–.04 121.36E–.03 2–5 **¶13863008**
TAP I 18 15 11 53.9 21.80N 121.18E 35–0 3.3L
JMA I 18 15 11 55.6–.30 21.85N 121.31E 114 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.2km az=18.2.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
IDC I 18 21 38 36.1–7.8 21.02N 121.04E 57–76 3.6,3.5L
¶12081675
IDC Error ellipse: s-maj=32.9km s-min=15.3km az=74.0.
ISC I 19 17 16 33.6–1.2 24.76N–.03 122.34E–.02 13–8 3.4b 95 0-49
JMA I 19 17 16 33.7–.20 24.83N 122.32E 31 3.4 **¶12081781**
TAP I 19 17 16 34.1 24.75N 122.31E 21–0 4.0L
IDC I 19 17 17 01.7–18 24.89N 123.57E 263–234 3.0L,3.0
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
TAP C.
IDC Error ellipse: s-maj=186.0km s-min=16.9km az=60.0.
ISC I 19 22 05 18.6–1.9 24.79N–.09 122.23E–.04 98–12 44 0-2
TAP I 19 22 05 17.9 24.79N 122.20E 103–0 3.0L **¶13863099**
JMA I 19 22 05 17.9–.20 24.77N 122.24E 108 2.1
ISCJB I 19 22 05 18.2–.84 24.80N–.06 122.23E–.03 100–6 2.1
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC I 20 12 08 12.1–1.7 21.13N–.07 121.29E–.07 20–7 3.2b 50 1-86
IDC I 20 12 08 09.1–1.1 21.18N 121.37E 0 3.4,3.3 **¶12081865**
TAP I 20 12 08 10.2 21.04N 121.36E 53–3 3.5L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=77.5km s-min=22.5km az=69.0.
TAP D.
BJI I 20 13 15 28.7 21.50N 117.52E 14 3.8L
¶13433888
ISC I 21 03 37 07.0–1.6 24.50N–.06 122.59E–.03 84–12 65 0-3
JMA I 21 03 37 05.9–.20 24.68N 122.63E 95 2.1 **¶13863168**
ISCJB I 21 03 37 06.4–.72 24.52N–.04 122.59E–.02 87–7 2.1
TAP I 21 03 37 06.0 24.59N 122.52E 99–0 3.5L
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.2km az=174.2.
TAP C.
ISC I 21 03 52 48.2–.86 22.13N–.04 121.47E–.03 25–7 3.5b 100 0-85
NIED I 21 03 52 00 22.20N 121.60E 5 3.8W **¶12081936**
IDC I 21 03 52 45.5–1.1 21.95N 121.56E 0 3.7,3.6
ISCJB I 21 03 52 46.7–.55 22.08N–.03 121.53E–.03 15–4 3.5b,3.6
TAP I 21 03 52 48.6 22.14N 121.40E 22–0 4.1L,3.6
JMA I 21 03 52 51.1–.30 22.25N 121.60E 78 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s144.00000°,δ75.00000°,λ-42.00000°. NP2:ϕ_s247.00000°,δ49.00000°,λ-161.00000°. $M_0$4.88000×10^{14}
IDC Error ellipse: s-maj=41.2km s-min=21.3km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=177.6.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
ISC I 22 05 15 14.9–1.4 24.73N–.04 122.20E–.03 76–8 86 0-3
ISCJB I 22 05 15 14.6–.53 24.75N–.03 122.21E–.02 76–5 **¶13863225**
TAP I 22 05 15 14.2 24.72N 122.18E 81–0 3.7L
JMA I 22 05 15 14.1–.40 24.83N 122.20E 75 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=165.8.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISC I 22 23 06 42.4–1.6 24.70N–.06 122.42E–.03 76–12 77 1-3
TAP I 22 23 06 40.6 24.80N 122.39E 90–0 3.4L **¶13863289**
JMA I 22 23 06 40.2–.10 24.82N 122.36E 84–2 2.3
ISCJB I 22 23 06 41.5–.67 24.73N–.04 122.43E–.02 82–6 2.3
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC I 23 12 38 15.5–.33 21.20N–.02 121.16E–.03 20–1 5.4b,5.2s 868 1-174
NIED I 23 12 38 00 20.80N 121.80E 8 5.4W,5.2s **¶13433948**
TAP I 23 12 38 11.7 21.05N 121.19E 52–1 5.3L,5.2s
ISCJB I 23 12 38 11.9–.53 21.18N–.01 121.22E–.02 5–3 5.3b,5.1s
NEIC I 23 12 38 13.7–.15 21.12N 121.24E 10 5.4b,5.1s
IDC I 23 12 38 13.8–1.5 21.10N 121.19E 11–8 5.0s,5.0
BJI I 23 12 38 13.1 21.22N 121.13E 12 5.7L,5.6b
TEH I 23 12 38 14.0 21.18N 121.36E 10 5.6L,5.6b
MOS I 23 12 38 15.5–1.1 21.13N 121.29E 33 5.6b,5.2s
JMA I 23 12 38 16.3–.40 20.81N 121.76E 82 5.5,5.2s
SZGRF I 23 12 38 16.2 20.79N 121.38E 33 5.3b,5.3s
DJA I 23 12 38 24 21.27N 121.27E 105 5.4W,5.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ76.00000°,λ97.00000°. NP2:ϕ_s130.00000°,δ16.00000°,λ63.00000°. $M_0$1.59000×10^{17}
TAP C.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.1km az=12.6.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.6km az=86.0.
IDC Error ellipse: s-maj=12.6km s-min=8.1km az=71.0.
MOS Error ellipse: s-maj=7.7km s-min=4.2km az=116.8.
JMA Error ellipse: s-maj=4.4km s-min=6.2km az=-1.0.
SZGRF Philippine Islands region.
ISC I 23 14 05 45.7–2.2 24.92N–.09 122.47E–.04 124–15 57 1-3
TAP I 23 14 05 43.9 25.03N 122.46E 135–0 3.5L **¶13863311**
ISCJB I 23 14 05 45.1–.76 24.91N–.05 122.47E–.03 126–5 3.5L
JMA I 23 14 05 45.7–.30 25.01N 122.53E 124 3.5L
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=3.9km az=172.4.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
IDC I 24 06 31 17.5–.98 21.12N 121.96E 0 3.8,3.6
¶12082197
IDC Error ellipse: s-maj=66.3km s-min=19.6km az=65.0.
ISC I 24 13 46 35.4–.76 24.87N–.02 122.05E–.03 6–4 4.3b,4.0s 153 0-115
TAP I 24 13 46 34.6 24.90N 122.04E 6–0 4.4L,4.0s **¶13863351**
NEIC I 24 13 46 36.3–1.3 24.83N 122.00E 8–8 4.5b,4.0s
BJI I 24 13 46 36.2 24.92N 122.02E 12 4.7b,4.5s
IDC I 24 13 46 47.5–4.6 24.84N 122.15E 110–45 4.0s,4.0

ISC Event type se.
TAP C.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.8km az=80.0.
IDC Error ellipse: s-maj=21.3km s-min=15.2km az=73.0.
ISC I 24 13 48 11.5–1.2 24.88N–.03 122.06E–.03 0–8 4.2b,3.8s 122 0-95
TAP I 24 13 48 11.5 24.89N 122.04E 5–0 4.6L,3.8s **¶13863353**
NEIC I 24 13 48 12.8–1.5 24.86N 122.03E 4–9 4.6b,3.8s
IDC I 24 13 48 20.9–4.5 24.86N 122.06E 74–42 3.9,3.8b
ISC Event type fe.
TAP C.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=7.0km az=86.0. Felt at Hsin-chu and Taipei. Recorded [3 TAP] in T'ai-pei, [2 TAP] in I-lan and [1 TAP] in T'ao-yuan.
IDC Error ellipse: s-maj=21.8km s-min=18.3km az=23.0.
ISC I 24 14 05 49.2–3.0 25.1N–.10 122.15E–.06 192–16 52 0-3
TAP I 24 14 05 48.9 25.13N 122.12E 197–0 3.4L **¶13863360**
ISCJB I 24 14 05 49.1–.92 25.13N–.09 122.16E–.04 190–6 3.4L
JMA I 24 14 05 49.2–.30 25.23N 122.22E 193 2.7
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=5.3km az=174.9.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISC I 24 16 46 11.3–1.2 23.91N–.03 122.64E–.02 14–10 74 1-2
ISCJB I 24 16 46 12.2–.43 23.90N–.03 122.64E–.02 19–4 **¶13863368**
JMA I 24 16 46 12.6–.30 24.05N 122.59E 34 2.3
TAP I 24 16 46 13.5 23.97N 122.57E 25–1 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=167.4.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC I 25 05 29 49.4–1.2 23.92N–.03 122.51E–.02 23–14 79 1-2
ISCJB I 25 05 29 48.3–.69 23.94N–.02 122.50E–.02 3–5 **¶13863417**
JMA I 25 05 29 50.6–.30 24.08N 122.47E 34 2.7
TAP I 25 05 29 50.3 24.01N 122.50E 31–0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=174.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC I 25 14 25 48.5–2.4 24.29N–.06 122.55E–.03 33–5 47 0-2
JMA I 25 14 25 48.1–.10 24.39N 122.58E 54 1.7 **¶13863431**
TAP I 25 14 25 48.5 24.27N 122.49E 54–1 2.7L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC I 25 14 36 31.2–1.2 23.93N–.05 122.49E–.02 11–10 50 1-2
ISCJB I 25 14 36 31.1–.71 23.94N–.03 122.49E–.02 3–5 **¶13863432**
TAP I 25 14 36 32.2 23.94N 122.36E 3–1 2.7L
JMA I 25 14 36 33.2–.30 24.12N 122.46E 25 1.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=2.7km az=170.0.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC I 25 16 43 38.0–1.2 24.33N–.03 122.01E–.02 54–7 119 0-6
JMA I 25 16 43 36.6–.20 24.54N 122.00E 74 3.2 **¶13863439**
TAP I 25 16 43 36.9 24.33N 121.97E 61–0 3.9L
ISCJB I 25 16 43 37.1–.30 24.34N–.02 122.02E–.02 60–4 3.9L
ISC Event type ke.
TAP B.
ISCJB Event type ke.
ISC I 26 03 31 18.2–3.4 25.2N–.20 122.46E–.05 208–20 33 0-2
TAP I 26 03 31 16.2 25.30N 122.43E 226–0 3.4L **¶13863466**
ISCJB I 26 03 31 17.7–1.2 25.2N–.10 122.48E–.04 209–10 3.4L
JMA I 26 03 31 19.2–.40 25.28N 122.57E 204 3.1
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=20.3km s-min=6.4km az=179.4.
JMA Error ellipse: s-maj=5.6km s-min=5.0km az=-1.0.
TAP I 26 04 28 56.4 24.89N 122.04E 9–0 2.1L
¶13863473
TAP C.
IDC I 26 19 42 34.0–.80 21.11N 121.32E 0 3.9,3.8b
¶12082401
IDC Error ellipse: s-maj=40.4km s-min=16.1km az=67.0.
ISC I 27 01 59 29.6–1.0 24.23N–.03 122.27E–.02 33–7 99 1-2
ISCJB I 27 01 59 29.6–.27 24.23N–.02 122.28E–.02 35–18 **¶13863554**
TAP I 27 01 59 29.4 24.25N 122.24E 49–0 3.5L
JMA I 27 01 59 29.3–.10 24.46N 122.30E 67–2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=166.3.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC I 28 03 32 50.4–1.2 23.89N–.03 122.67E–.02 19–3 70 1-2
ISCJB I 28 03 32 49.5–.84 23.89N–.02 122.65E–.02 2–6 **¶13863614**
TAP I 28 03 32 50.8 23.93N 122.78E 36–2 3.3L
JMA I 28 03 32 52.0–.30 24.02N 122.64E 26 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=166.6.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC I 28 22 56 46.2–2.0 24.7N–.10 122.43E–.04 104–14 38 0-2
ISCJB I 28 22 56 45.5–.92 24.77N–.08 122.42E–.03 107–8 **¶13863649**
JMA I 28 22 56 45.0–.20 24.81N 122.42E 112
TAP I 28 22 56 45.1 24.78N 122.38E 115–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=4.2km az=177.4.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP C.
ISC I 28 23 32 37.2–1.0 24.89N–.02 122.04E–.04 8–6 3.6b 78 0-82
BJI I 28 23 32 36.0 24.95N 122.23E 24 3.9b,3.7L **¶12082620**
TAP I 28 23 32 37.1 24.88N 122.00E 4–0 3.7L,3.7L
IDC I 28 23 32 56.1–5.8 24.84N 121.76E 178–58 3.4,3.3
ISC Event type ke.
TAP C.
IDC Error ellipse: s-maj=34.0km s-min=16.7km az=67.0.
ISC I 29 16 14 56.0–.96 24.89N–.03 122.17E–.02 14–8 62 0-3
TAP I 29 16 14 57.8 24.88N 122.01E 6–0 3.3L **¶13863691**
JMA I 29 16 15 08.9–.30 24.86N 123.05E 1 2.3
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC I 29 23 35 06.7–1.1 23.98N–.03 122.45E–.02 12–9 89 1-3
ISCJB I 29 23 35 06.5–.68 23.95N–.02 122.45E–.02 8–5 **¶13863702**
TAP I 29 23 35 07.7 24.01N 122.41E 21–0 3.3L
JMA I 29 23 35 08.0–.30 24.00N 122.49E 14 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=167.7.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC II 01 09 07 43.8–1.2 23.77N–.03 122.47E–.02 9–10 88 1-2
ISCJB II 01 09 07 45.0–.43 23.75N–.02 122.47E–.02 17–4 **¶13863792**
TAP II 01 09 07 45.1 23.77N 122.39E 11–0 3.4L
JMA II 01 09 07 46.8–.20 23.97N 122.46E 23 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=162.2.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC II 02 17 53 34.8–.94 24.42N–.02 122.02E–.02 15–7 76 0-2
ISCJB II 02 17 53 34.3–.47 24.39N–.02 122.07E–.02 6–3 **¶13863879**
TAP II 02 17 53 35.6 24.41N 121.95E 19–0 3.1L
JMA II 02 17 53 35.7–.20 24.63N 122.02E 45 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=157.6.
TAP B.
JMA Error ellipse: s-maj=8.9km s-min=2.0km az=-1.0.
ISC II 03 05 26 20.7–1.9 24.73N–.08 122.51E–.03 108–13 47 1-2
TAP II 03 05 26 19.4 24.78N 122.46E 119–0 3.5L **¶13863897**
ISCJB II 03 05 26 20.2–.90 24.73N–.06 122.52E–.03 110–7 3.5L
JMA II 03 05 26 20.3–.20 24.83N 122.54E 109–3 2.2
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=3.9km az=178.4.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
ISC II 04 06 39 59.6–.66 22.93N–.02 121.53E–.02 17–4 4.0b,3.2s 162 0-146
ISCJB II 04 06 39 58.8–.35 22.90N–.02 121.57E–.02 17–3 4.0b,3.3s **¶11667284**
NEIC II 04 06 39 58.6–.55 22.91N 121.57E 10 4.7L,4.3b
BJI II 04 06 39 59.5 22.94N 121.45E 15 4.2b,4.1s
TAP II 04 06 39 59.8 22.95N 121.44E 12–0 4.4L,4.1s
NIED II 04 06 40 00 22.90N 121.50E 8 4.0W,4.1s
JMA II 04 06 40 00.5–.30 22.95N 121.51E 60 3.8,4.1s
IDC II 04 06 40 01.9–5.0 22.94N 121.74E 35–41 3.8,3.8b
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=28.9.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=8.0km az=153.0. Recorded [4 TAP] in T'ai-tung and [3 TAP] in Hua-lien.
TAP B.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ63.00000°,λ70.00000°. NP2:ϕ_s205.00000°,δ33.00000°,λ125.00000°. $M_0$1.24000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=24.4km s-min=17.2km az=60.0.
ISC II 04 13 31 15.8–1.9 25.23N–.09 122.56E–.04 199–12 60 1-5
ISCJB II 04 13 31 16.8–.79 25.19N–.06 122.59E–.03 190–6 **¶13863951**
TAP II 04 13 31 16.2 25.34N 122.57E 194–1 3.7L
JMA II 04 13 31 17.7–.30 25.36N 122.57E 174 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.1km az=168.7.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC II 04 14 31 43.8–1.2 24.69N–.04 122.78E–.02 5–8 3.8b 87 0-82
ISCJB II 04 14 31 45.1–.83 24.79N–.03 122.82E–.02 15–6 3.9b **¶12699538**
JMA II 04 14 31 45.3–.20 24.69N 122.77E 24 3.2
TAP II 04 14 31 46.1 24.74N 122.69E 3–0 3.9L
IDC II 04 14 32 02.3–6.1 24.70N 122.46E 169–62 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=2.9km az=10.1.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
IDC Error ellipse: s-maj=28.2km s-min=13.4km az=71.0.
ISC II 06 16 14 52.0–1.1 23.62N–.03 122.05E–.03 25–13 61 1-2
ISCJB II 06 16 14 51.6–.53 23.61N–.03 122.08E–.03 19–6 **¶13864067**
TAP II 06 16 14 52.5 23.66N 122.00E 22–0 2.9L
JMA II 06 16 14 52.7–.20 23.49N 122.17E 32 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.8km az=138.6.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC II 07 19 46 34.1–3.1 22.57N–.06 122.84E–.04 17–23 57 1-3
JMA II 07 19 46 35.5–.30 22.51N 123.06E 31 2.4 **¶13864115**
TAP II 07 19 46 37.2 22.58N 122.68E 96–1 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
TAP D.
ISC II 08 01 30 56.1–.88 22.79N–.03 121.79E–.03 21–3 3.4b 104 0-75
IDC II 08 01 30 52.3–1.5 22.63N 121.87E 0 3.6L,3.6 **¶12699761**
TAP II 08 01 30 57.0 22.79N 121.72E 13–0 3.9L,3.6
ISCJB II 08 01 30 57.2–.35 22.78N–.02 121.80E–.02 38–9 3.4s,3.4b
JMA II 08 01 30 58.8–.30 22.82N 121.85E 65 3.4,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=77.1km s-min=25.6km az=67.0.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=143.2.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC II 08 05 18 55.2–.62 22.83N–.02 121.22E–.02 16–3 3.8b,3.4s 168 0-146
NIED II 08 05 18 00 22.70N 121.30E 11 4.0W,3.4s **¶11667422**
IDC II 08 05 18 51.8–.82 22.77N 121.49E 0 3.9,3.9
NEIC II 08 05 18 53.6–.48 22.80N 121.36E 10 4.5L,3.9
ISCJB II 08 05 18 55.0–.28 22.80N–.02 121.25E–.02 22–2 3.7b,3.4s
TAP II 08 05 18 55.6 22.86N 121.11E 13–0 4.4L,3.4s
BJI II 08 05 18 55.8 23.03N 121.10E 11 3.9b,3.7L
JMA II 08 05 18 56.7–.20 22.69N 121.34E 71 3.8,3.7L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s142.00000°,δ66.00000°,λ119.00000°. NP2:ϕ_s269.00000°,δ37.00000°,λ43.00000°. $M_0$1.08000×10^{15}
IDC Error ellipse: s-maj=24.1km s-min=18.6km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=7.2km az=115.0. Recorded [4 TAP] in T'ai-tung, [2 TAP] in P'ing-tung and [1 TAP] in Hua-lien and Kao-hsiung.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.6km az=25.8.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.
TAP II 08 14 47 47.6 24.85N 122.01E 4–1 2.6L
¶13864152
TAP D.
TAP II 08 14 47 48.5 24.85N 122.07E 15–0 2.7L
¶13864154
TAP D.
ISC II 08 22 55 02.9–2.8 25.2N–.10 122.21E–.05 233–16 53 0-3
TAP II 08 22 54 59.8 25.34N 122.31E 257–1 3.9L **¶13864195**
ISCJB II 08 22 55 02.2–.89 25.24N–.09 122.22E–.04 236–6 3.9L
JMA II 08 22 55 02.5–.20 25.37N 122.20E 226 4.0
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=6.0km az=175.9.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC II 09 07 58 40.1–.63 25.59N–.06 122.78E–.04 273–6 3.4b 111 1-81
NIED II 09 07 58 00 25.50N 122.70E 300 4.5W **¶13434412**
ISCJB II 09 07 58 39.9–.28 25.59N–.05 122.74E–.03 274–3 3.4b
TAP II 09 07 58 39.6 25.61N 122.80E 283–0 4.7L
IDC II 09 07 58 40.3–2.3 25.59N 122.70E 272–23 3.4,3.3
JMA II 09 07 58 43.3–.30 25.52N 122.72E 250 4.5,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s292.00000°,δ73.00000°,λ18.00000°. NP2:ϕ_s197.00000°,δ73.00000°,λ163.00000°. $M_0$6.28000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=3.8km az=159.1.
TAP D.
IDC Error ellipse: s-maj=22.9km s-min=16.1km az=32.0.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC II 09 12 15 32.0–1.6 24.42N–.07 122.89E–.03 82–12 56 0-3
ISCJB II 09 12 15 31.6–.67 24.42N–.05 122.89E–.02 82–7 **¶13864215**
TAP II 09 12 15 31.6 24.46N 122.88E 88–0 3.1L
JMA II 09 12 15 32.0–.10 24.54N 122.94E 85–1 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=3.5km az=179.4.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC II 09 17 41 56.2–.60 21.14N–.04 121.99E–.05 179–5 3.8b 169 1-113
NIED II 09 17 41 00 21.40N 122.20E 50 4.3W **¶12699860**
TAP II 09 17 41 55.7 21.21N 122.06E 172–1 5.1L
ISCJB II 09 17 41 56.5–.37 21.30N–.03 121.96E–.04 173–2 4.0b
IDC II 09 17 41 56.4–.92 21.04N 122.20E 183–8 3.8,3.7
JMA II 09 17 41 58.6–.50 21.35N 122.22E 196 3.8,3.7
MAN II 09 17 42 26 18.83N 121.46E 43 4.7b,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s316.00000°,δ83.00000°,λ-172.00000°. NP2:ϕ_s225.00000°,δ82.00000°,λ-7.00000°. $M_0$2.81000×10^{15}

TAP D.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=10.5.
IDC Error ellipse: s-maj=19.9km s-min=8.3km az=71.0.
JMA Error ellipse: s-maj=4.4km s-min=7.2km az=-1.0.
ISC II 09 18 33 53.3–.71 22.64N–.02 121.18E–.02 12–4 4.2b,3.8s 187 0-84
NIED II 09 18 33 00 22.40N 121.20E 29 4.2W,3.8s **¶11667478**
IDC II 09 18 33 50.6–.79 22.50N 121.26E 0 4.0,3.9
ISCJB II 09 18 33 51.6–.38 22.58N–.02 121.23E–.02 7–2 4.1b,3.8s
TAP II 09 18 33 52.9 22.67N 121.08E 7–0 4.5L,3.8s
JMA II 09 18 33 52.8–.30 22.44N 121.18E 74 4.0,3.8s
NEIC II 09 18 33 52.7–.60 22.67N 121.26E 10 4.5b,3.8s
MOS II 09 18 33 53.6–.84 22.46N 121.27E 33 4.5b,3.8s
BJI II 09 18 33 53.1 22.70N 121.12E 15 4.4b,4.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s238.00000°,δ70.00000°,λ-98.00000°. NP2:ϕ_s80.00000°,δ22.00000°,λ-69.00000°. $M_0$2.09000×10^{15}
IDC Error ellipse: s-maj=21.2km s-min=17.6km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.5km az=146.6.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=9.3km az=99.0.
MOS Error ellipse: s-maj=14.4km s-min=9.6km az=109.2.
ISC II 09 21 24 37.0–.51 22.67N–.02 121.16E–.02 16–3 4.6b,4.2s 274 0-147
NIED II 09 21 24 00 22.50N 121.10E 41 4.8W,4.2s **¶11667483**
BJI II 09 21 24 33.9 22.60N 121.17E 11 4.9b,4.8s
IDC II 09 21 24 33.9–.66 22.54N 121.26E 0 4.2,4.2
JMA II 09 21 24 35.5–.30 22.53N 121.10E 77 4.5,4.2
ISCJB II 09 21 24 35.9–.32 22.60N–.02 121.19E–.02 21–2 4.5b,4.2s
NEIC II 09 21 24 35.7 22.71N 121.01E 6 5.2L,4.8b
TAP II 09 21 24 35.9 22.68N 121.08E 6–0 4.9L,4.8b
MOS II 09 21 24 36.1–1.1 22.56N 121.18E 26 4.9b,4.2s
DJA II 09 21 24 44 22.81N 121.10E 46 4.6b,4.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s252.00000°,δ74.00000°,λ48.00000°. NP2:ϕ_s144.00000°,δ44.00000°,λ156.00000°. $M_0$1.67000×10^{16}
IDC Error ellipse: s-maj=19.3km s-min=15.0km az=76.0.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=36.2.
NEIC Event type fe. Recorded [4 TAP] in T'ai-tung and 2 [TAP] in P'ing-tung. After TAP.
TAP B.
MOS Error ellipse: s-maj=11.0km s-min=6.5km az=110.6.
ISC II 10 18 41 20.1–1.5 24.70N–.05 122.28E–.03 92–9 93 0-3
ISCJB II 10 18 41 19.8–.56 24.71N–.03 122.29E–.02 93–5 **¶13864293**
TAP II 10 18 41 19.2 24.76N 122.23E 101–0 3.5L
JMA II 10 18 41 19.6–.20 24.79N 122.30E 97–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=164.0.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC II 10 22 55 23.5–1.6 24.55N–.05 122.77E–.03 92–11 83 0-3
TAP II 10 22 55 21.8 24.64N 122.75E 110–0 3.6L **¶13864302**
ISCJB II 10 22 55 22.5–.58 24.58N–.03 122.78E–.02 98–5 3.6L
JMA II 10 22 55 22.1–.20 24.74N 122.78E 101–2 2.3
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=175.9.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP II 11 01 30 52.6 21.39N 120.93E 53–0 3.6L
¶13864311
TAP D.
ISC II 11 19 41 54.7–1.7 24.08N–.04 122.46E–.03 25–16 64 1-2
ISCJB II 11 19 41 54.1–.42 24.06N–.02 122.46E–.02 24–4 **¶13864358**
TAP II 11 19 41 55.0 24.11N 122.43E 40–0 3.2L
JMA II 11 19 41 54.1–.20 24.42N 122.41E 57 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=168.7.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP II 11 19 50 48.5 24.12N 122.45E 36–0 3.8L
¶13864359
TAP C.
ISC II 13 14 50 24.6–.90 23.94N–.03 122.41E–.02 22–11 71 1-2
ISCJB II 13 14 50 24.5–.95 23.92N–.02 122.40E–.02 13–6 **¶13864452**
TAP II 13 14 50 25.4 24.00N 122.38E 21–0 2.9L
JMA II 13 14 50 26.0–.10 24.21N 122.34E 26 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=157.2.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC II 13 16 35 10.2–1.1 24.09N–.04 122.41E–.02 26–13 50 1-2
TAP II 13 16 35 10.7 24.14N 122.40E 21–0 2.8L **¶13864456**
ISCJB II 13 16 35 10.0–.52 24.07N–.04 122.42E–.02 19–5 2.8L
JMA II 13 16 35 10.1–.40 24.75N 122.38E 42 1.8
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.1km az=169.5.
JMA Error ellipse: s-maj=8.9km s-min=4.0km az=-1.0.
ISC II 14 02 26 36.6–.99 23.99N–.02 122.39E–.02 32–8 3.9b 170 1-79
NIED II 14 02 26 00 24.00N 122.20E 26 3.8W **¶12700616**
IDC II 14 02 26 26.1–1.2 23.08N 122.49E 0 4.0,4.0
JMA II 14 02 26 34.7–.20 23.99N 122.20E 28 3.7,4.0
TAP II 14 02 26 37.5 24.04N 122.36E 26–0 4.1L,4.0
NEIC II 14 02 26 37.2–.79 23.98N 122.44E 39–6 4.1b,4.0
ISCJB II 14 02 26 37.0–.35 23.98N–.02 122.39E–.02 18–3 3.9b,3.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ75.00000°,λ54.00000°. NP2:ϕ_s319.00000°,δ38.00000°,λ156.00000°. $M_0$6.47000×10^{14}
TAP C.
NEIC Event type se.
ISCJB Event type se.
ISC II 14 02 29 41.7–1.2 24.01N–.04 122.37E–.03 14–9 48 1-2
TAP II 14 02 29 43.1 24.05N 122.34E 29–1 2.9L **¶13864484**
JMA II 14 02 29 44.1–.40 23.99N 122.54E 0 2.9L
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC II 14 02 50 22.0–1.1 24.02N–.04 122.36E–.03 25–13 54 1-2
ISCJB II 14 02 50 21.8–.49 24.00N–.03 122.38E–.02 15–6 **¶13864485**
TAP II 14 02 50 23.0 24.07N 122.33E 31–1 2.9L
JMA II 14 02 50 25.1–.10 24.89N 122.57E 37 2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=2.9km az=166.8.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC II 14 06 09 06.1–1.1 23.97N–.03 122.36E–.02 13–9 52 1-2
ISCJB II 14 06 09 06.4–1.2 23.95N–.02 122.37E–.02 14–8 **¶13864496**
TAP II 14 06 09 06.8 24.01N 122.37E 22–1 2.9L
JMA II 14 06 09 07.9–.10 24.01N 122.49E 0 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=164.5.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC II 14 12 08 29.1–.91 24.45N–.04 122.67E–.02 82–7 3.3b 117 0-49
TAP II 14 12 08 29.6 24.47N 122.63E 87–0 3.8L **¶12700651**
ISCJB II 14 12 08 29.1–.36 24.45N–.03 122.67E–.02 83–4 3.2b
JMA II 14 12 08 30.0–.20 24.56N 122.71E 79–1 2.7
IDC II 14 12 08 31.4–8.5 24.77N 122.80E 124–94 3.1,3.0
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.5km az=169.0.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=72.0km s-min=20.1km az=60.0.
ISC II 14 12 43 53.4–1.2 23.95N–.04 122.75E–.03 15–11 65 1-2
ISCJB II 14 12 43 54.0–.48 23.93N–.03 122.75E–.02 15–5 **¶13864507**
TAP II 14 12 43 55.4 24.01N 122.69E 26–1 3.3L
JMA II 14 12 43 55.3–.20 24.05N 122.77E 21 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.1km az=177.7.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC II 15 15 02 19.5–1.2 24.78N–.04 122.44E–.03 0–11 53 0-2
ISCJB II 15 15 02 19.4–.54 24.79N–.04 122.42E–.02 1–4 **¶13864539**
TAP II 15 15 02 20.9 24.76N 122.29E 6–0 3.3L
JMA II 15 15 02 20.3–.30 25.03N 122.74E 0 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.4km az=9.8.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
ISC II 15 15 05 16.1–1.4 24.19N–.06 122.51E–.03 45–27 43 1-2
ISCJB II 15 15 05 15.6–.59 24.18N–.05 122.52E–.02 49–16 **¶13864541**
TAP II 15 15 05 15.7 24.22N 122.49E 44–1 2.7L
JMA II 15 15 05 15.7–.20 24.42N 122.55E 67 1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=3.4km az=173.7.
TAP D.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC II 17 15 55 46.1–1.2 24.66N–.09 122.63E–.03 18–6 25 0-1
ISCJB II 17 15 55 46.6–.63 24.70N–.08 122.67E–.03 18–11 **¶13864659**
JMA II 17 15 55 46.2 24.62N 122.60E 22 1.8
TAP II 17 15 55 47.4 24.70N 122.57E 17–2 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=3.4km az=9.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC II 18 18 02 34.8–1.3 23.53N–.04 122.11E–.03 23–14 62 1-3
ISCJB II 18 18 02 34.4–.65 23.52N–.03 122.15E–.02 19–5 **¶13864692**
TAP II 18 18 02 35.5 23.58N 122.03E 14–0 3.0L
JMA II 18 18 02 37.3–.30 23.56N 122.24E 69 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=2.8km az=156.4.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC II 22 11 56 55.2–1.1 24.86N–.04 122.39E–.02 13–10 44 0-2
ISCJB II 22 11 56 55.1–.57 24.86N–.04 122.40E–.02 1–5 **¶13864841**
TAP II 22 11 56 55.2 24.91N 122.38E 17–0 3.0L
JMA II 22 11 56 55.8–.30 24.73N 122.38E 0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.2km az=4.2.
TAP C.
JMA Error ellipse: s-maj=7.8km s-min=4.0km az=-1.0.
ISC II 22 14 08 20.0–1.6 24.16N–.04 122.64E–.03 35–9 55 0-2
ISCJB II 22 14 08 19.6–.36 24.15N–.04 122.64E–.02 38–25 **¶13864848**
JMA II 22 14 08 19.4–.10 24.42N 122.65E 61 1.8
TAP II 22 14 08 20.4 24.21N 122.58E 53–1 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.1km az=173.1.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP D.
ISC II 23 11 39 14.4–.87 21.63N–.05 120.64E–.04 48–8 4.2b,3.8s 127 0-86
NIED II 23 11 39 00 21.40N 120.90E 32 4.5W,3.8s **¶12701635**
TAP II 23 11 39 12.9 21.62N 120.61E 52–0 4.1L,3.8s
BJI II 23 11 39 12.4 21.70N 120.40E 5 4.4b,4.2s
JMA II 23 11 39 13.2–.30 21.37N 120.90E 70 4.1,4.2s
ISCJB II 23 11 39 13.9–.41 21.62N–.02 120.72E–.03 52–3 4.2b,3.9s
IDC II 23 11 39 14.2–4.5 21.56N 120.83E 37–40 4.0,3.9
NEIC II 23 11 39 14.5–1.1 21.53N 120.83E 41–11 4.3b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ71.00000°,λ145.00000°. NP2:ϕ_s279.00000°,δ57.00000°,λ23.00000°. $M_0$6.83000×10^{15}
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.1km az=13.8.
IDC Error ellipse: s-maj=18.5km s-min=11.5km az=75.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.1km az=78.0.
ISC II 24 10 36 27.6–.98 22.40N–.03 121.25E–.03 22–6 85 0-4
ISCJB II 24 10 36 27.5–.38 22.44N–.02 121.30E–.03 20–4 **¶13864929**
TAP II 24 10 36 28.4 22.46N 121.20E 26–0 3.5L
JMA II 24 10 36 29.6–.20 22.39N 121.42E 90 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=171.1.
TAP B.
JMA Error ellipse: s-maj=6.7km s-min=5.1km az=-1.0.
ISC II 25 14 07 57.2–1.1 24.89N–.03 122.03E–.06 10–7 3.4b 45 0-46
TAP II 25 14 07 56.8 24.91N 122.04E 11–0 3.2L **¶12701836**
IDC II 25 14 07 56.4–2.1 24.70N 121.84E 0 3.7,3.5
ISC Event type ke.
TAP C.
IDC Error ellipse: s-maj=250.3km s-min=25.8km az=67.0.
TAP II 25 17 33 36.7 21.31N 122.10E 170–1 3.9L
¶13865002
TAP D.
ISC II 26 04 52 29.0–.98 24.44N–.03 122.07E–.02 13–8 76 0-2
ISCJB II 26 04 52 29.2–.43 24.39N–.02 122.07E–.02 4–3 **¶13865021**
TAP II 26 04 52 30.4 24.40N 121.95E 20–0 3.5L
JMA II 26 04 52 30.4–.20 24.92N 122.13E 27 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=162.6.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC II 26 14 31 21.9–1.6 21.85N–.06 121.78E–.04 5–10 70 0-4
ISCJB II 26 14 31 23.4–.76 21.88N–.04 121.77E–.02 12–5 **¶13865042**
TAP II 26 14 31 25.7 21.93N 121.47E 3–0 3.3L
JMA II 26 14 31 25.5–.30 21.86N 121.84E 70 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.5km az=173.1.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC II 27 01 23 58.9–2.0 24.88N–.08 122.36E–.03 136–12 68 0-2
ISCJB II 27 01 23 59.0–.71 24.85N–.05 122.37E–.03 133–5 **¶13865069**
TAP II 27 01 23 58.2 24.88N 122.38E 139–0 3.7L
JMA II 27 01 23 58.8–.20 24.96N 122.39E 133–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.7km az=170.6.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC II 27 10 24 34.4–1.1 24.04N–.05 122.90E–.03 30–11 66 0-2
ISCJB II 27 10 24 33.6–.44 24.02N–.03 122.87E–.02 22–5 **¶13865082**
TAP II 27 10 24 34.8 24.08N 122.87E 52–1 3.4L
JMA II 27 10 24 34.3–.10 24.16N 122.87E 50–2 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.0km az=175.8.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC II 28 03 02 37.8–1.3 23.98N–.06 122.84E–.02 12–10 38 1-2
ISCJB II 28 03 02 37.6–1.1 23.95N–.05 122.83E–.02 8–7 **¶13865115**
TAP II 28 03 02 39.5 24.01N 122.79E 23–2 2.9L
JMA II 28 03 02 39.1–.30 23.99N 122.90E 7 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=2.9km az=177.2.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC II 28 04 49 50.6–1.0 23.99N–.02 122.32E–.02 28–9 3.7b 93 1-74

IDC II 28 04 49 45.5–10 24.09N 122.57E 0 3.7,3.7 ¶12702073
ISCJB II 28 04 49 50.5–.40 23.98N–.02 122.34E–.02 19–4 3.5b,3.7
TAP II 28 04 49 50.6 24.02N 122.33E 23–0 3.5L,3.7
JMA II 28 04 49 51.6–.40 24.31N 122.26E 47 3.2,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=231.7km s-min=97.4km az=104.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=160.7.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
ISC II 28 07 07 07.3–1.2 24.32N–.05 122.96E–.03 44–11 56 0-3
ISCJB II 28 07 07 06.9–.44 24.30N–.04 122.96E–.02 46–9 ¶13865125
TAP II 28 07 07 07.1 24.29N 122.92E 41–1 3.3L
JMA II 28 07 07 07.3–.10 24.37N 122.98E 48–1 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.3km az=0.2.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC III 01 17 25 52.6–1.3 24.61N–.04 122.07E–.03 70–7 93 0-3
ISCJB III 01 17 25 52.1–.45 24.62N–.03 122.08E–.02 71–4 ¶13865183
TAP III 01 17 25 52.3 24.62N 122.06E 69–0 4.1L
JMA III 01 17 25 52.7–.20 24.72N 122.13E 70 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.9km az=162.3.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC III 02 18 13 53.1–.71 23.98N–.03 122.69E–.02 56–8 3.6b 129 1-83
TAP III 02 18 13 50.8 24.03N 122.76E 44–1 4.2L ¶12702289
ISCJB III 02 18 13 51.9–.25 23.97N–.02 122.69E–.02 63–4 3.6b
JMA III 02 18 13 51.1–.10 24.14N 122.55E 44–4 3.4
IDC III 02 18 13 57.9–6.4 24.28N 122.69E 94–58 3.5,3.4b
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=157.2.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=35.1km s-min=23.2km az=63.0.
ISC III 03 13 54 24.6–1.3 24.38N–.04 122.29E–.03 53–14 56 0-2
TAP III 03 13 54 23.7 24.41N 122.23E 69–0 3.0L ¶13865264
JMA III 03 13 54 23.8–.10 24.54N 122.32E 70–1 2.0
ISCJB III 03 13 54 24.1–.51 24.37N–.04 122.30E–.02 57–9 2.0
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC III 04 01 29 38.3–1.1 23.82N–.02 122.06E–.02 18–4 109 0-3
ISCJB III 04 01 29 39.6–.38 23.84N–.02 122.08E–.02 19–3 ¶13865280
TAP III 04 01 29 40.0 23.86N 121.97E 10–1 3.6L
JMA III 04 01 29 40.2–.30 23.96N 122.04E 75 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=142.8.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC III 06 08 06 45.4–1.3 24.47N–.04 122.43E–.02 44–18 65 1-2
ISCJB III 06 08 06 44.9–.47 24.46N–.04 122.43E–.02 50–10 ¶13865358
TAP III 06 08 06 44.7 24.50N 122.43E 46–0 3.3L
JMA III 06 08 06 44.7–.20 24.68N 122.49E 58 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=2.8km az=174.7.
TAP D.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISC III 06 23 37 42.6–1.2 24.13N–.06 122.83E–.03 42–20 53 0-2
ISCJB III 06 23 37 41.9–.52 24.19N–.06 122.83E–.02 55–12 ¶13865375
JMA III 06 23 37 41.3–.20 24.26N 122.81E 63–3 2.1
TAP III 06 23 37 42.8 24.12N 122.72E 37–2 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=3.4km az=0.4.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP D.
ISC III 08 05 25 48.0–3.0 22.53N–.04 122.60E–.04 17–22 74 1-3
ISCJB III 08 05 25 48.8–.74 22.60N–.03 122.59E–.02 15–6 ¶13865410
TAP III 08 05 25 50.6 22.51N 122.53E 49–1 3.7L
JMA III 08 05 25 51.9–.20 22.63N 122.75E 79 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.3km az=154.9.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
ISC III 08 20 22 15.5–1.3 24.20N–.04 122.28E–.02 34–3 65 1-2
JMA III 08 20 22 14.8–.20 24.43N 122.29E 68 1.9 ¶13865448
TAP III 08 20 22 15.0 24.24N 122.25E 53–0 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP C.
ISC III 08 20 45 27.9–.98 24.39N–.03 122.11E–.02 16–8 48 0-2
ISCJB III 08 20 45 28.3–.41 24.39N–.03 122.13E–.03 16–6 ¶13865449
TAP III 08 20 45 28.7 24.43N 122.06E 18–0 3.0L
JMA III 08 20 45 29.7–.30 24.43N 122.16E 55 1.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=158.8.
TAP B.
JMA Error ellipse: s-maj=8.9km s-min=2.0km az=-1.0.
ISC III 08 22 10 44.2–1.2 23.69N–.03 122.08E–.03 25–12 81 1-3
ISCJB III 08 22 10 43.1–.46 23.66N–.02 122.12E–.02 15–5 ¶13865450
JMA III 08 22 10 44.9–.30 23.75N 122.11E 73 2.7
TAP III 08 22 10 45.2 23.72N 122.04E 36–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=139.5.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
TAP C.
ISC III 09 00 57 13.2–1.9 24.8N–.10 122.83E–.03 106–14 37 0-2
JMA III 09 00 57 11.7–.20 24.86N 122.85E 115 2.5 ¶13865451
ISCJB III 09 00 57 12.9–.92 24.79N–.08 122.83E–.03 105–9 2.5
TAP III 09 00 57 12.8 24.89N 122.77E 106–0 3.3L
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=3.9km az=179.4.
TAP C.
ISC III 09 11 06 10.5–1.4 24.52N–.05 122.34E–.03 76–10 78 0-2
ISCJB III 09 11 06 09.9–.55 24.53N–.03 122.35E–.02 79–6 ¶13865465
TAP III 09 11 06 09.7 24.58N 122.34E 81–1 3.4L
JMA III 09 11 06 09.6–.20 24.67N 122.38E 85 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.9km az=168.1.
TAP D.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
ISC III 11 00 23 57.5–.43 23.85N–.02 122.68E–.02 16–2 4.2b,3.7s 276 1-84
NIED III 11 00 23 00 23.90N 122.70E 35 4.5W,3.7s ¶13435953
BJI III 11 00 23 56.5 23.99N 122.52E 5 4.6b,4.4b
JMA III 11 00 23 59.9–.20 23.95N 122.70E 10 4.6,4.4b
NEIC III 11 00 23 59.6–2.3 24.04N 122.72E 32–16 4.6b,4.4b
TAP III 11 00 23 59.1 23.92N 122.72E 37–1 4.7L,4.4b
IDC III 11 00 24 01.7–2.8 24.08N 122.68E 52–26 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s49.00000°,δ76.00000°,λ62.00000°. NP2:ϕ_s295.00000°,δ31.00000°,λ152.00000°. $M_0$5.39000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.0km az=55.0.
TAP D.
IDC Error ellipse: s-maj=15.8km s-min=11.5km az=74.0.
ISC III 11 01 44 12.6–1.3 24.79N–.03 122.11E–.04 4–9 3.3b 57 0-46
IDC III 11 01 44 12.7–2.0 24.66N 122.20E 0 3.6,3.4b ¶12702938
TAP III 11 01 44 13.2 24.84N 122.03E 11–0 3.5L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=152.9km s-min=24.3km az=65.0.
TAP B.
ISC III 12 02 38 27.7–1.1 22.54N–.02 121.72E–.03 17–8 102 1-4
ISCJB III 12 02 38 27.4–.47 22.54N–.02 121.76E–.02 15–4 ¶13865583
TAP III 12 02 38 29.1 22.54N 121.66E 17–0 3.8L
JMA III 12 02 38 30.2–.40 22.64N 121.77E 105 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=29.4.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
ISC III 12 10 43 47.5–.44 23.91N–.02 122.52E–.02 16–2 4.3b,3.7s 258 1-96
NIED III 12 10 43 00 24.00N 122.50E 26 4.3W,3.7s ¶11845840
BJI III 12 10 43 46.4 23.99N 122.39E 6 4.6b,4.4b
NEIC III 12 10 43 46.4–.32 24.03N 122.56E 10 4.6b,4.4b
ISCJB III 12 10 43 48.9–.46 23.95N–.02 122.55E–.01 31–3 4.2b,3.7s
TAP III 12 10 43 48.8 23.96N 122.51E 25–0 4.6L,3.7s
JMA III 12 10 43 49.4–.40 24.01N 122.49E 26 4.4,3.7s
IDC III 12 10 43 51.2–.72 24.14N 122.66E 46–7 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ85.00000°,λ84.00000°. NP2:ϕ_s294.00000°,δ8.00000°,λ136.00000°. $M_0$3.26000×10^{15}
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.9km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.0km az=162.7.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=16.2km s-min=10.3km az=65.0.
ISC III 12 12 02 10.8–1.4 23.92N–.04 122.50E–.02 19–3 50 1-2
JMA III 12 12 02 09.3–.50 23.96N 122.49E 0 2.2 ¶13865598
ISCJB III 12 12 02 10.0–.81 23.93N–.04 122.50E–.02 4–5 2.2
TAP III 12 12 02 12.2 23.99N 122.49E 35–2 2.9L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.8km az=168.7.
TAP D.
ISC III 12 23 39 59.4–.92 24.99N–.04 122.25E–.03 138–5 4.0b 125 0-40
TAP III 12 23 39 59.5 25.01N 122.24E 136–0 4.4L ¶13865630
JMA III 12 23 40 00.9–.30 24.94N 122.27E 126 3.5
IDC III 12 23 40 04.1–6.1 23.82N 124.32E 380–181 3.4b,3.4
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=275.4km s-min=90.3km az=112.0.
ISC III 14 05 02 13.7–2.3 24.83N–.08 122.62E–.03 115–16 54 1-3
ISCJB III 14 05 02 13.0–.88 24.84N–.05 122.63E–.03 119–7 ¶13865669
TAP III 14 05 02 12.2 24.94N 122.58E 128–0 3.5L
JMA III 14 05 02 12.8–.30 24.97N 122.65E 117 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.1km az=176.0.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=5.0km az=-1.0.
ISC III 14 11 17 34.8–1.4 21.85N–.05 121.18E–.04 10–9 3.3b 52 0-47
IDC III 14 11 17 32.9–5.1 21.76N 121.27E 0 3.8s,3.8 ¶12703251
ISCJB III 14 11 17 34.9–.82 21.75N–.04 121.12E–.04 18–5 3.8s,3.2b
TAP III 14 11 17 35.9 21.86N 121.02E 23–0 3.7L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=402.0km s-min=28.2km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.5km az=157.8.
TAP C.
ISC III 15 05 19 29.4–1.3 23.50N–.05 122.37E–.03 28–14 46 1-2
JMA III 15 05 19 30.5–.30 23.55N 122.47E 23 ¶13865737
TAP III 15 05 19 31.0 23.53N 122.35E 44–2 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
TAP C.
ISC III 15 20 01 58.8–1.6 24.75N–.05 122.23E–.03 75–11 66 0-2
JMA III 15 20 01 57.6–.20 24.86N 122.25E 83 2.1 ¶13865771
ISCJB III 15 20 01 58.5–.62 24.74N–.04 122.23E–.02 76–6 2.1
TAP III 15 20 01 58.2 24.76N 122.18E 80–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.4km az=169.2.
TAP C.
ISC III 15 21 38 03.6–.94 24.32N–.03 122.20E–.02 22–8 75 0-3
TAP III 15 21 38 04.2 24.38N 122.16E 57–0 3.1L ¶13865779
JMA III 15 21 38 04.5–.20 24.64N 122.24E 65 2.1
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
ISC III 15 23 20 23.0–.65 24.74N–.02 122.40E–.02 20–2 4.4b,4.2s 198 0-98
NIED III 15 23 20 00 24.80N 122.40E 32 4.7W,4.2s ¶12703382
IDC III 15 23 20 19.9–.75 24.81N 122.34E 0 4.2,4.1s
TAP III 15 23 20 21.4 24.79N 122.38E 16–0 4.5L,4.1s
ISCJB III 15 23 20 21.1–.34 24.82N–.02 122.46E–.01 16–2 4.3b,4.2s
BJI III 15 23 20 21.1 24.81N 122.26E 7 4.8b,4.5s
JMA III 15 23 20 22.6–.20 24.75N 122.44E 38 4.8,4.5s
MOS III 15 23 20 23.5–1.1 24.72N 122.23E 33 4.8b,4.3s
NEIC III 15 23 20 23.7–1.1 24.80N 122.27E 23–8 4.8b,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s235.00000°,δ84.00000°,λ-171.00000°. NP2:ϕ_s144.00000°,δ81.00000°,λ-6.00000°. $M_0$1.19000×10^{16}
IDC Error ellipse: s-maj=21.0km s-min=16.0km az=60.0.
TAP C.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.3km az=178.5.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=14.6km s-min=8.2km az=110.6.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.0km az=92.0.
TAP III 15 23 24 59.8 24.82N 122.38E 14–0 3.6L
¶13865783
TAP C.
ISC III 16 00 14 35.3–1.3 24.72N–.04 122.44E–.03 4–10 3.5b 48 1-49
ISCJB III 16 00 14 35.1–.58 24.83N–.04 122.46E–.02 2–4 3.5b ¶12703385
TAP III 16 00 14 36.6 24.78N 122.32E 5–1 3.8L
JMA III 16 00 14 36.6–.20 24.63N 122.38E 36 3.3
IDC III 16 00 14 38.5–1.5 24.49N 121.21E 0 4.2,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.1km az=13.4.
TAP D.
JMA Error ellipse: s-maj=7.8km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=68.7km s-min=25.6km az=67.0.
ISC III 16 00 51 42.5–.65 24.78N–.02 122.40E–.02 17–4 4.4b,3.8s 187 0-95
NIED III 16 00 51 00 24.90N 122.50E 38 4.3W,3.8s ¶15153212
ISCJB III 16 00 51 41.3–.38 24.87N–.02 122.48E–.02 15–3 4.3b,3.7s
BJI III 16 00 51 41.9 24.80N 122.20E 16 4.4L,4.3b
TAP III 16 00 51 41.8 24.83N 122.41E 16–0 4.7L,4.3b
NEIC III 16 00 51 42.3 24.79N 122.30E 10 4.9L,4.5b
JMA III 16 00 51 42.6–.20 24.87N 122.49E 29 4.6,4.5b
IDC III 16 00 51 48.0–3.0 24.82N 122.41E 61–28 4.0,4.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ89.00000°,λ168.00000°. NP2:ϕ_s147.00000°,δ78.00000°,λ1.00000°. $M_0$3.15000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.6km az=176.7.
TAP C.
NEIC Event type fe. Recorded [3 TAP] in I-lan, [2 TAP] in Hua-lien and [1 TAP] in T'ai-pei. After TAP.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=18.1km s-min=11.7km az=65.0.
TAP III 16 01 35 35.3 24.77N 122.33E 4–1 3.5L
¶13865794
TAP D.
ISC III 16 09 51 54.5–1.2 24.70N–.04 122.44E–.02 4–11 44 1-2
ISCJB III 16 09 51 54.9–.56 24.80N–.04 122.43E–.02 7–4 ¶13865812
TAP III 16 09 51 56.9 24.78N 122.27E 5–0 3.0L

JMA III 16 09 51 56.6–.10 24.02N 122.56E 7–3 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.4km az=8.1.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC III 16 14 34 05.5–2.8 23.8N–.10 122.61E–.05 29–23 11 1-2
ISCJB III 16 14 34 02.8–.53 23.68N–.03 122.59E–.02 24–5 **¶13865819**
TAP III 16 14 34 03.9 23.74N 122.60E 55–1 3.2L
JMA III 16 14 34 04.5–.20 23.77N 122.59E 44 2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=160.6.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC III 16 15 54 30.3–1.0 24.26N–.04 122.26E–.03 29–11 60 0-2
JMA III 16 15 54 29.3–.20 25.16N 122.71E 0 2.2 **¶13865827**
ISCJB III 16 15 54 30.4–.43 24.26N–.02 122.26E–.02 33–3 2.2
TAP III 16 15 54 30.2 24.27N 122.24E 26–0 2.8L
ISC Event type ke.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=161.6.
TAP D.
ISC III 17 03 33 59.5–1.9 23.90N–.03 122.53E–.02 19–4 86 1-3
ISCJB III 17 03 33 58.4–.87 23.88N–.02 122.54E–.02 7–6 **¶13865852**
TAP III 17 03 33 59.8 23.95N 122.53E 25–0 3.6L
JMA III 17 03 34 00.5–.30 23.99N 122.55E 18 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=157.4.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC III 17 21 15 56.1–1.9 23.55N–.02 122.45E–.02 15–13 3.6b 141 1-83
IDC III 17 21 15 54.1–1.1 23.63N 122.42E 0 3.9,3.7 **¶12703536**
ISCJB III 17 21 15 56.4–.41 23.57N–.02 122.48E–.01 17–3 3.6b,3.0s
TAP III 17 21 15 58.4 23.59N 122.43E 35–0 4.3L,3.0s
JMA III 17 21 15 58.3–.40 23.64N 122.44E 55 3.2,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=42.3km s-min=20.7km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=155.3.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC III 18 21 22 27.2–1.2 24.46N–.03 122.04E–.02 57–7 102 0-3
ISCJB III 18 21 22 26.7–.37 24.47N–.03 122.04E–.02 60–5 **¶13865929**
TAP III 18 21 22 26.7 24.49N 121.98E 61–0 3.7L
JMA III 18 21 22 26.8–.20 24.75N 122.11E 69–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=161.9.
TAP B.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC III 19 15 23 04.6–1.2 21.87N–.04 121.47E–.03 16–7 3.4b 118 0-47
IDC III 19 15 23 01.4–1.3 21.94N 121.80E 0 3.6,3.5b **¶12703691**
ISCJB III 19 15 23 04.0–.54 21.82N–.03 121.52E–.02 17–3 3.4b,3.5b
TAP III 19 15 23 05.3 21.88N 121.42E 20–0 3.8L,3.5b
JMA III 19 15 23 06.4–.50 21.85N 121.57E 76 3.4,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=51.4km s-min=19.1km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=174.7.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=5.2km az=-1.0.
TAP III 20 02 07 15.6 22.94N 122.55E 55–1 3.2L
JMA III 20 02 07 15.8–.30 22.95N 122.66E 55 2.6 **¶13865976**
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC III 20 04 31 51.3–1.3 24.37N–.04 122.53E–.02 60–12 85 0-4
TAP III 20 04 31 50.4 24.40N 122.50E 75–0 3.7L **¶13865983**
ISCJB III 20 04 31 50.8–.47 24.37N–.03 122.53E–.02 63–8 3.7L
JMA III 20 04 31 51.1–.20 24.57N 122.59E 71–1 3.0
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.8km az=175.0.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC III 20 12 16 06.4–.68 24.43N–.03 122.57E–.02 59–6 3.9b 171 0-95
NIED III 20 12 16 00 24.60N 122.60E 50 4.2W **¶12703810**
BJI III 20 12 16 02.5 24.40N 122.30E 7 4.2b,3.9L
JMA III 20 12 16 06.9–.20 24.59N 122.59E 55–1 4.1,3.9L
TAP III 20 12 16 06.9 24.46N 122.56E 53–0 4.9L,3.9L
ISCJB III 20 12 16 06.2–.20 24.48N–.02 122.57E–.01 68–3 3.8b,3.9L
IDC III 20 12 16 08.1–3.2 24.60N 122.59E 76–29 3.7,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s43.00000°,δ90.00000°,λ163.00000°. NP2:ϕ_s133.00000°,δ73.00000°,λ0.00000°. $M_0$2.14000×10^{15}
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=164.8.
IDC Error ellipse: s-maj=20.7km s-min=13.9km az=57.0.
ISC III 20 15 54 31.7–1.3 24.73N–.04 122.08E–.03 54–8 63 0-2
JMA III 20 15 54 30.6–.30 24.82N 122.09E 60 2.3 **¶13866003**
ISCJB III 20 15 54 31.1–.49 24.74N–.04 122.09E–.02 57–5 2.3
TAP III 20 15 54 31.1 24.71N 122.05E 57–0 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=7.8km s-min=4.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.1km az=169.5.
TAP D.
ISC III 20 21 28 17.2–1.1 24.77N–.04 122.42E–.02 6–10 39 0-2
TAP III 20 21 28 17.6 24.81N 122.37E 17–0 3.0L **¶13866026**
JMA III 20 21 28 17.9–.30 24.76N 122.48E 0 2.4
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=4.0km az=-1.0.
ISC III 21 06 17 34.1–1.5 24.7N–.10 122.41E–.03 11–15 30 0-2
ISCJB III 21 06 17 34.1–.59 24.77N–.04 122.44E–.02 7–5 **¶13866039**
TAP III 21 06 17 35.1 24.83N 122.36E 11–0 3.0L
JMA III 21 06 17 35.5–.30 24.40N 122.39E 9 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.1km az=12.2.
TAP C.
JMA Error ellipse: s-maj=7.8km s-min=2.0km az=-1.0.
ISC III 21 07 17 18.5–.70 24.66N–.03 122.45E–.02 101–5 3.7b 145 1-82
NIED III 21 07 17 00 24.80N 122.50E 74 3.8W **¶12635159**
ISCJB III 21 07 17 18.4–.27 24.67N–.02 122.46E–.02 104–2 3.7b
TAP III 21 07 17 19.4 24.67N 122.46E 98–0 4.6L
JMA III 21 07 17 19.5–.10 24.78N 122.50E 94–2 3.5
IDC III 21 07 17 23.3–4.7 24.73N 122.39E 144–43 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ84.00000°,λ157.00000°. NP2:ϕ_s127.00000°,δ67.00000°,λ7.00000°. $M_0$6.06000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=160.2.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=30.4km s-min=14.6km az=65.0.
ISC III 21 17 33 55.7–1.2 24.50N–.02 122.05E–.03 17–8 3.1b 97 0-82
IDC III 21 17 33 52.9–5.9 24.61N 121.92E 0 3.5,3.2b **¶12635203**
TAP III 21 17 33 57.4 24.49N 121.96E 19–0 3.6L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=402.5km s-min=35.4km az=90.0.
TAP B.
TAP III 21 18 30 05.4 21.59N 119.75E 48–1 3.6L
¶13866057
TAP D.
ISC III 22 00 21 57.9–3.1 23.84N–.05 122.68E–.03 17–23 34 1-2
ISCJB III 22 00 21 58.9–.77 23.86N–.05 122.69E–.02 27–7 **¶13866083**
TAP III 22 00 21 58.9 23.91N 122.53E 103–1 2.9L
JMA III 22 00 21 58.3–.20 23.86N 122.67E 19 2.2

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=3.5km az=172.8.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC III 22 07 34 40.5–1.0 24.72N–.03 122.39E–.02 10–9 53 0-2
TAP III 22 07 34 41.7 24.80N 122.31E 14–0 3.2L **¶13866098**
JMA III 22 07 34 41.3–.10 24.37N 122.39E 0 3.2L
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC III 23 03 27 18.6–1.1 24.64N–.07 122.56E–.03 17–9 28 0-1
ISCJB III 23 03 27 19.0–.45 24.66N–.06 122.58E–.02 19–11 **¶13866139**
JMA III 23 03 27 18.8–.20 24.61N 122.56E 16 2.2
TAP III 23 03 27 19.1 24.67N 122.53E 15–1 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=3.0km az=11.0.
JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.
TAP C.
ISC III 23 03 32 09.1–1.5 24.78N–.05 122.17E–.03 91–9 80 0-3
ISCJB III 23 03 32 08.6–.59 24.81N–.04 122.16E–.02 93–5 **¶13866140**
TAP III 23 03 32 08.2 24.82N 122.15E 96–0 3.6L
JMA III 23 03 32 08.4–.30 24.94N 122.19E 91 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.3km az=165.6.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
ISC III 23 06 28 48.4–1.2 24.77N–.04 122.37E–.03 8–11 48 0-2
TAP III 23 06 28 49.4 24.79N 122.28E 4–0 3.4L **¶13866145**
JMA III 23 06 28 49.6–.20 25.01N 122.78E 0 2.8
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC III 23 11 26 08.8–1.2 24.78N–.03 122.47E–.02 7–10 3.5b 75 0-49
ISCJB III 23 11 26 09.0–.50 24.83N–.03 122.48E–.02 4–4 3.5b **¶12635384**
JMA III 23 11 26 10.7–.10 24.85N 122.51E 34 3.1
TAP III 23 11 26 11.3 24.80N 122.33E 16–0 3.6L
IDC III 23 11 26 11.9–1.4 24.82N 121.59E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.6km az=11.1.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP C.
IDC Error ellipse: s-maj=47.0km s-min=25.3km az=74.0.
ISC III 23 19 38 35.3–1.2 24.82N–.03 122.49E–.02 7–10 60 0-2
ISCJB III 23 19 38 35.9–.50 24.79N–.03 122.47E–.02 5–3 **¶13866174**
TAP III 23 19 38 37.2 24.82N 122.37E 12–0 3.1L
JMA III 23 19 38 37.6–.10 25.01N 122.74E 12–4 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=8.8.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
ISC III 23 23 38 56.4–1.1 24.79N–.04 122.41E–.02 7–10 45 0-2
TAP III 23 23 38 57.0 24.81N 122.33E 13–0 3.1L **¶13866185**
JMA III 23 23 38 57.4–.20 24.74N 122.47E 0 2.5
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=8.9km s-min=5.0km az=-1.0.
ISC III 24 00 06 05.2–1.1 24.74N–.05 122.36E–.02 6–10 40 0-2
TAP III 24 00 06 05.2 24.74N 122.29E 4–0 3.1L **¶13866186**
JMA III 24 00 06 05.1–.20 24.76N 122.40E 0 3.1L
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
ISC III 24 00 34 34.9–1.0 24.75N–.04 122.39E–.02 11–9 45 0-2
ISCJB III 24 00 34 34.4–.52 24.77N–.04 122.40E–.02 3–4 **¶13866187**
TAP III 24 00 34 35.8 24.77N 122.26E 4–0 3.2L
JMA III 24 00 34 35.7–.10 24.69N 122.41E 9–1 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=2.7km az=7.6.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC III 24 22 09 18.9–1.1 24.78N–.04 122.50E–.02 7–10 70 1-3
ISCJB III 24 22 09 19.3–.53 24.79N–.03 122.47E–.02 9–4 **¶13866230**
TAP III 24 22 09 20.6 24.81N 122.36E 16–0 3.4L
JMA III 24 22 09 21.2–.20 24.99N 122.82E 0 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.8km az=12.9.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC III 25 02 20 04.1–1.1 24.79N–.04 122.41E–.02 7–10 34 0-2
ISCJB III 25 02 20 04.0–.58 24.79N–.04 122.42E–.02 3–5 **¶13866234**
JMA III 25 02 20 04.8–.40 24.80N 122.45E 6 2.6
TAP III 25 02 20 05.0 24.79N 122.31E 6–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.2km az=12.2.
JMA Error ellipse: s-maj=7.8km s-min=6.1km az=-1.0.
TAP D.
TAP III 26 04 54 26.4 21.89N 121.03E 18–0 3.6L
¶13866283
TAP C.
ISC III 28 12 27 01.5–1.4 22.69N–.05 122.91E–.04 50 62 1-3
ISCJB III 28 12 27 01.9–.50 22.76N–.03 122.90E–.02 50 **¶13866372**
TAP III 28 12 27 02.5 22.70N 122.85E 63–1 3.6L
JMA III 28 12 27 02.8–.30 22.83N 122.94E 76 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.7km az=154.1.
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=5.1km az=-1.0.
ISC III 28 22 18 35.1–1.7 24.91N–.03 122.30E–.06 14–9 3.5b 74 0-50
TAP III 28 22 18 35.4 24.93N 122.28E 14–0 3.5L **¶12635811**
IDC III 28 22 18 37.7–1.1 24.76N 121.08E 0 3.7,3.6b
ISC Event type ke.
TAP C.
IDC Error ellipse: s-maj=66.8km s-min=18.9km az=67.0.
ISC III 29 00 17 31.5–1.4 21.59N–.06 121.43E–.05 32–9 3.7b 59 0-85
IDC III 29 00 17 28.0–.82 21.41N 121.44E 0 3.8,3.7 **¶12635820**
ISCJB III 29 00 17 29.5–.86 21.57N–.03 121.53E–.05 17–5 3.6b,3.7
TAP III 29 00 17 31.1 21.61N 121.41E 43–0 4.0L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=66.7km s-min=16.4km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.6km az=165.0.
TAP C.
ISC III 29 00 36 06.2–1.6 21.58N–.06 121.49E–.05 14–10 3.7b 49 0-57
IDC III 29 00 36 03.7–1.5 21.58N 121.73E 0 4.4s,4.4 **¶12635824**
ISCJB III 29 00 36 05.9–.79 21.53N–.04 121.51E–.03 21–5 4.4s,3.6b
TAP III 29 00 36 08.0 21.64N 121.38E 38–0 4.0L,3.6b
JMA III 29 00 36 10.3–.60 21.59N 121.86E 144 3.3,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=164.2km s-min=18.1km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.2km az=175.1.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=8.3km az=-1.0.
ISC III 30 04 56 33.4–1.4 24.67N–.05 122.41E–.03 96–9 95 1-4
ISCJB III 30 04 56 32.9–.53 24.68N–.03 122.42E–.02 98–4 **¶13866448**
TAP III 30 04 56 32.7 24.72N 122.39E 104–0 3.9L
JMA III 30 04 56 33.3–.20 24.78N 122.46E 95–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=168.2.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC III 30 16 11 25.7–1.3 24.07N–.04 122.01E–.04 46–16 45 0-3
TAP III 30 16 11 25.0 24.05N 121.97E 52–1 2.9L **¶13866462**

ISCJB III 30 16 11 25.3–.43 24.05N–.04 122.03E–.03 49–11 2.9L
JMA III 30 16 11 29.1–.30 24.62N 122.28E 54 2.4
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.0km az=151.2.
JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.
ISC III 31 23 04 33.7–1.2 24.80N–.05 122.49E–.03 15–11 44 0-2
ISCJB III 31 23 04 34.0–.73 24.83N–.05 122.50E–.02 12–6 **¶13866512**
TAP III 31 23 04 35.4 24.81N 122.34E 7–0 3.3L
JMA III 31 23 04 35.1–.20 24.87N 122.55E 31 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=3.0km az=15.8.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC IV 01 07 20 52.7–1.0 24.78N–.03 122.48E–.03 19–3 3.6b 88 0-82
NIED IV 01 07 20 00 24.80N 122.50E 38 4.1W **¶12934248**
ISCJB IV 01 07 20 52.3–.43 24.84N–.03 122.50E–.02 17–3 3.8b,3.8s
TAP IV 01 07 20 53.3 24.81N 122.38E 17–0 4.0L,3.8s
JMA IV 01 07 20 54.0–.10 24.82N 122.54E 34 3.6,3.8s
IDC IV 01 07 21 12.6–5.9 24.78N 122.28E 203–61 3.6s,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s305.00000°,δ89.00000°,λ5.00000°. NP2:ϕ_s215.00000°,δ85.00000°,λ179.00000°. $M_0$1.58000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=7.5.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=37.9km s-min=11.9km az=64.0.
ISC IV 01 07 37 32.9–1.1 24.78N–.04 122.45E–.02 19–3 56 0-2
ISCJB IV 01 07 37 32.9–.67 24.83N–.04 122.49E–.02 13–5 **¶14400724**
TAP IV 01 07 37 34.2 24.80N 122.36E 17–0 3.2L
JMA IV 01 07 37 34.1–.20 24.82N 122.51E 35 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=2.8km az=12.5.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC IV 01 12 06 08.2–1.4 21.18N–.08 122.47E–.08 10 3.7b 41 1-85
TAP IV 01 12 06 09.0 21.19N 122.48E 7–1 3.6L **¶12934237**
IDC IV 01 12 06 08.0–1.2 20.83N 122.35E 0 3.8,3.6
ISCJB IV 01 12 06 10.0–.82 21.24N–.06 122.46E–.06 10 3.6b,3.6
ISC Event type ke.
TAP D.
ISCJB Event type ke.
TAP IV 02 04 52 24.4 24.80N 122.34E 11–0 3.5L
¶14400768
TAP C.
ISC IV 02 17 52 12.8–1.2 23.95N–.02 122.32E–.02 20–5 117 1-4
ISCJB IV 02 17 52 12.5–.76 23.95N–.02 122.34E–.02 12–5 **¶12605868**
TAP IV 02 17 52 13.4 24.00N 122.31E 22–0 3.8L
JMA IV 02 17 52 14.3–.30 24.08N 122.31E 35 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=155.2.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC IV 02 22 45 22.5–1.2 24.79N–.04 122.46E–.02 2–11 47 0-2
ISCJB IV 02 22 45 22.8–.54 24.80N–.04 122.43E–.02 5–4 **¶14400790**
JMA IV 02 22 45 24.5–.20 25.04N 122.76E 0 2.4
TAP IV 02 22 45 25.0 24.81N 122.29E 12–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=2.9km az=4.8.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP C.
ISC IV 03 12 48 44.7–1.6 24.65N–.07 122.31E–.03 70–12 48 0-2
JMA IV 03 12 48 43.2–.40 25.23N 122.75E 0 2.2 **¶14400810**
TAP IV 03 12 48 44.5 24.69N 122.26E 75–0 3.0L
ISCJB IV 03 12 48 44.4–.75 24.64N–.05 122.32E–.03 70–8 3.0L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC IV 04 17 56 50.5–1.3 24.56N–.03 122.17E–.02 66–8 119 0-3
ISCJB IV 04 17 56 49.9–.40 24.57N–.02 122.18E–.02 69–5 **¶12606244**
TAP IV 04 17 56 50.0 24.58N 122.13E 71–0 3.7L
JMA IV 04 17 56 50.1–.20 24.68N 122.20E 74 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=161.0.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISC IV 05 01 12 32.5–1.1 24.72N–.03 122.41E–.02 13–9 64 0-2
ISCJB IV 05 01 12 32.4–.47 24.78N–.03 122.44E–.02 2–4 **¶14400916**
TAP IV 05 01 12 33.6 24.81N 122.34E 13–0 3.1L
JMA IV 05 01 12 33.8–.20 24.30N 122.38E 21 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=3.6.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC IV 05 05 17 41.9–1.1 24.76N–.04 122.41E–.03 13–9 47 0-2
ISCJB IV 05 05 17 42.1–.54 24.78N–.04 122.43E–.02 9–4 **¶14400924**
TAP IV 05 05 17 43.4 24.79N 122.30E 9–0 3.1L
JMA IV 05 05 17 43.3–.20 24.92N 122.54E 28 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=2.9km az=9.6.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC IV 05 20 11 50.4–1.8 21.80N–.05 121.86E–.04 0–10 3.8b 92 0-85
IDC IV 05 20 11 48.0–.95 21.36N 121.68E 0 3.9,3.7 **¶12934543**
TAP IV 05 20 11 49.8 21.60N 121.91E 30–0 4.1L,3.7
ISCJB IV 05 20 11 50.0–.79 21.67N–.04 121.94E–.02 12–5 3.6b,3.7
JMA IV 05 20 11 52.4–.30 21.62N 121.98E 70 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=18.7km az=75.0.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.6km az=176.6.
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
ISC IV 06 07 15 26.3–1.0 24.80N–.02 122.04E–.02 6–8 3.3b 76 0-46
TAP IV 06 07 15 25.7 24.81N 122.00E 5–0 3.5L **¶14400960**
JMA IV 06 07 15 26.4–.10 25.19N 122.36E 0 3.5L
IDC IV 06 07 15 26.2–2.0 24.42N 121.59E 0 3.6,3.4
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=149.5km s-min=24.5km az=63.0.
ISC IV 06 12 25 12.8–1.2 24.70N–.06 122.87E–.03 18–4 31 0-2
JMA IV 06 12 25 12.4–.30 24.73N 122.85E 28 2.4 **¶14400969**
ISCJB IV 06 12 25 13.3–1.0 24.75N–.06 122.90E–.03 12–7 2.4
TAP IV 06 12 25 14.9 24.65N 122.78E 10–1 2.8L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=3.9km az=11.6.
TAP C.
ISC IV 06 20 59 45.8–.59 24.79N–.03 122.45E–.02 20–3 3.5b,3.2s 116 0-82
NIED IV 06 20 59 00 24.80N 122.50E 5 4.2W,3.2s **¶14400985**
IDC IV 06 20 59 42.5–.88 24.67N 122.33E 0 4.2L,3.8
ISCJB IV 06 20 59 44.3–.69 24.83N–.02 122.48E–.02 11–5 3.6b,3.3s
JMA IV 06 20 59 45.6–.30 24.80N 122.46E 37 3.9,3.3s
TAP IV 06 20 59 45.0 24.80N 122.41E 16–0 4.4L,3.3s
BJI IV 06 20 59 46.5 24.89N 122.22E 6 4.5b,4.0L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s43.00000°,δ62.00000°,λ-141.00000°. NP2:ϕ_s292.00000°,δ56.00000°,λ-35.00000°. $M_0$1.99000×10^{15}
IDC Error ellipse: s-maj=23.0km s-min=18.3km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=0.8.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
TAP C.
ISC IV 06 21 35 08.1–1.1 24.83N–.04 122.49E–.02 13–9 66 0-3
TAP IV 06 21 35 09.8 24.81N 122.39E 13–0 3.5L **¶14400987**
ISCJB IV 06 21 35 09.1–.52 24.81N–.03 122.47E–.02 8–4 3.5L
JMA IV 06 21 35 10.5–.20 24.98N 122.63E 18 3.2
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.6km az=10.0.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP IV 07 04 10 05.5 21.37N 121.81E 151–0 3.6L
¶14401001
TAP C.
ISC IV 07 12 03 17.1–.99 23.86N–.03 122.01E–.03 32–9 65 0-3
ISCJB IV 07 12 03 16.5–.41 23.84N–.02 122.05E–.02 25–3 **¶14401012**
TAP IV 07 12 03 17.5 23.88N 121.99E 36–0 2.9L
JMA IV 07 12 03 17.8–.30 23.92N 122.06E 68 2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=150.7.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC IV 07 14 31 50.1–5.4 24.12N–.03 122.30E–.02 37–5 82 1-2
JMA IV 07 14 31 48.9–.20 25.17N 122.62E 26 2.7 **¶14401023**
TAP IV 07 14 31 49.4 24.18N 122.28E 53–0 3.5L
ISCJB IV 07 14 31 49.5–.36 24.12N–.03 122.32E–.02 34–22 3.5L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC IV 07 15 33 19.3–1.1 22.82N–.04 122.56E–.03 23 70 1-3
ISCJB IV 07 15 33 19.9–.49 22.88N–.03 122.55E–.02 23 **¶14401026**
JMA IV 07 15 33 21.9–.30 22.88N 122.69E 66
TAP IV 07 15 33 22.1 22.89N 122.37E 83–1 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.6km az=155.5.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC IV 07 16 17 41.6–1.9 22.63N–.05 122.71E–.04 31–18 77 1-3
TAP IV 07 16 17 43.0 22.64N 122.60E 58–1 3.3L **¶14401028**
JMA IV 07 16 17 43.5–.30 22.75N 122.81E 77 2.3
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
ISC IV 07 23 04 22.2–1.2 24.78N–.03 122.48E–.02 1–11 54 0-2
ISCJB IV 07 23 04 22.7–.51 24.79N–.03 122.44E–.02 2–4 **¶14401051**
TAP IV 07 23 04 24.4 24.80N 122.32E 11–0 3.4L
JMA IV 07 23 04 24.5–.10 25.02N 122.80E 0 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.1km az=10.3.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC IV 08 14 23 26.1–1.1 24.78N–.04 122.47E–.03 17–9 40 0-2
ISCJB IV 08 14 23 25.6–.73 24.84N–.05 122.51E–.02 9–5 **¶14401079**
TAP IV 08 14 23 27.5 24.78N 122.33E 5–0 3.3L
JMA IV 08 14 23 27.1–.20 24.84N 122.53E 31 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=3.0km az=12.8.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
TAP IV 09 13 06 21.8 21.42N 122.12E 167–1 3.5L
¶14401153
TAP C.
ISC IV 10 07 10 45.7–.81 22.50N–.02 121.01E–.03 15–5 3.8b 112 0-85
IDC IV 10 07 10 43.2–.88 22.51N 121.08E 0 3.9,3.8 **¶12578498**
NEIC IV 10 07 10 44.8–.75 22.29N 120.46E 10 4.2b,4.2L
ISCJB IV 10 07 10 45.7–.43 22.46N–.02 121.05E–.03 9–2 3.9s,3.7b
TAP IV 10 07 10 46.3 22.56N 120.96E 10–0 4.0L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=18.8km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=30.7km s-min=14.8km az=82.0. Recorded [5 TAP] in T'ai-tung and [2 TAP] in P'ing-tung.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.3km az=25.2.
TAP C.
ISC IV 10 22 31 58.2–1.8 25.39N–.09 122.62E–.05 219–13 44 1-7
TAP IV 10 22 32 01.5 25.37N 122.46E 211–1 3.4L **¶14401221**
ISCJB IV 10 22 32 02.2–.96 25.24N–.09 122.65E–.03 191–9 3.4L
JMA IV 10 22 32 03.1–.40 25.51N 122.50E 150 2.8
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=4.9km az=175.1.
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISC IV 11 21 06 27.3–1.2 24.83N–.04 122.46E–.02 9–9 54 0-2
ISCJB IV 11 21 06 27.4–.53 24.83N–.04 122.47E–.02 6–4 **¶14401273**
TAP IV 11 21 06 28.7 24.78N 122.32E 4–0 3.0L
JMA IV 11 21 06 29.0–.20 24.93N 122.56E 27 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=2.8km az=6.9.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC IV 12 11 29 05.3–1.2 24.83N–.04 122.52E–.02 5–10 68 1-3
ISCJB IV 12 11 29 06.1–.51 24.83N–.03 122.50E–.02 7–4 **¶14401287**
TAP IV 12 11 29 07.8 24.77N 122.32E 6–0 3.4L
JMA IV 12 11 29 07.5–.10 25.01N 122.79E 0 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.6km az=7.8.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC IV 13 12 21 28.1–1.9 25.23N–.08 122.78E–.04 198–12 64 1-4
TAP IV 13 12 21 28.5 25.21N 122.91E 192–0 4.0L **¶14401355**
ISCJB IV 13 12 21 29.4–.79 25.16N–.06 122.79E–.03 188–6 4.0L
JMA IV 13 12 21 30.0–.30 25.32N 122.78E 177 3.1
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=4.1km az=168.9.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC IV 13 15 06 06.8–1.4 21.89N–.04 121.44E–.03 15–8 3.2b 83 1-47
IDC IV 13 15 06 03.2–1.5 21.89N 121.83E 0 3.5,3.3 **¶14401366**
ISCJB IV 13 15 06 05.7–.87 21.85N–.04 121.49E–.02 11–7 3.2b,3.3
JMA IV 13 15 06 07.0–.60 21.50N 121.93E 134 2.8,3.3
TAP IV 13 15 06 07.4 21.89N 121.40E 27–0 3.5L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=57.8km s-min=21.4km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=175.9.
JMA Error ellipse: s-maj=6.7km s-min=8.3km az=-1.0.
TAP C.
ISC IV 14 16 08 28.9–.93 22.94N–.02 121.36E–.03 32–7 105 0-3
TAP IV 14 16 08 28.5 22.96N 121.29E 41–0 3.6L **¶12609657**
ISCJB IV 14 16 08 28.5–.30 22.92N–.02 121.39E–.02 38–6 3.6L
JMA IV 14 16 08 29.5–.30 22.99N 121.44E 98 3.1
ISC Event type ke.
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=139.1.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC IV 15 03 25 42.9–1.4 24.11N–.08 122.87E–.02 23–15 27 0-2
ISCJB IV 15 03 25 42.9–.71 24.08N–.07 122.86E–.02 18–9 **¶14401432**
JMA IV 15 03 25 42.9–.30 24.12N 122.86E 24 2.6
TAP IV 15 03 25 43.6 24.24N 122.95E 38–2 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=3.4km az=6.1.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP C.
ISC IV 16 08 23 08.7–1.1 24.82N–.02 122.01E–.03 5–8 3.4b 56 0-82
TAP IV 16 08 23 08.0 24.84N 121.98E 3–0 3.6L **¶12935374**

IDC IV 16 08 23 23.1–8.0 24.68N 121.10E 121–77 3.3,3.3
ISC Event type ke.
TAP C.
IDC Error ellipse: s-maj=58.9km s-min=25.0km az=69.0.
ISC IV 16 08 23 35.2–.73 24.82N–.02 122.01E–.03 20–2 3.7b 78 0-82
NIED IV 16 08 23 00 25.00N 121.90E 5 4.5W **¶12608446**
TAP IV 16 08 23 34.1 24.84N 122.00E 12–0 4.1L
ISCJB IV 16 08 23 34.5–.52 24.82N–.02 122.02E–.03 0–3 3.7b
IDC IV 16 08 23 51.8–5.1 24.75N 121.48E 170–52 3.3,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s272.00000°,δ77.00000°,λ-82.00000°. NP2:ϕ_s60.00000°,δ15.00000°,λ-121.00000°. M_o5.71000×10^{15}
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=0.5.
IDC Error ellipse: s-maj=23.8km s-min=19.1km az=97.0.
TAP IV 16 08 24 20.7 24.84N 122.00E 8–0 3.5L
¶14401485
TAP C.
ISC IV 16 08 33 31.3–1.2 24.80N–.02 122.03E–.06 9–8 3.6b 55 0-50
TAP IV 16 08 33 31.4 24.83N 122.00E 13–0 3.6L **¶12935372**
IDC IV 16 08 33 32.7–1.6 24.33N 120.76E 0 3.8,3.7
ISC Event type ke.
TAP C.
IDC Error ellipse: s-maj=80.9km s-min=27.0km az=72.0.
ISC IV 16 08 42 04.2–1.1 24.84N–.03 122.00E–.04 16–8 30 0-2
TAP IV 16 08 42 04.1 24.83N 122.01E 10–1 3.2L **¶14401512**
ISCJB IV 16 08 42 04.0–.66 24.81N–.03 122.06E–.04 4–8 3.2L
JMA IV 16 08 42 04.3–.10 24.80N 121.90E 40 2.6
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.0km az=27.7.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC IV 16 11 40 48.0–.91 24.87N–.02 122.05E–.02 11–7 69 0-3
TAP IV 16 11 40 48.0 24.83N 122.00E 8–0 3.5L **¶14401584**
JMA IV 16 11 40 48.2–.60 25.11N 122.15E 0 2.8
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=7.8km s-min=8.1km az=-1.0.
ISC IV 16 12 02 01.1–.86 24.87N–.02 122.03E–.02 12–5 86 0-3
TAP IV 16 12 02 00.8 24.83N 122.01E 7–0 3.7L **¶14401601**
JMA IV 16 12 02 01.9–.30 24.99N 122.03E 43 3.2
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=4.0km az=-1.0.
ISC IV 16 12 24 48.7–.98 24.87N–.02 122.01E–.02 14–7 89 0-3
TAP IV 16 12 24 48.7 24.83N 122.00E 9–0 3.7L **¶14401619**
JMA IV 16 12 24 49.7–.20 24.90N 122.01E 37 3.4
ISC Event type ke.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
ISC IV 18 20 03 54.2–1.1 23.90N–.02 122.52E–.02 17–7 3.8b 140 1-83
ISCJB IV 18 20 03 54.8–.37 23.86N–.02 122.54E–.02 17–3 3.9b **¶12935528**
TAP IV 18 20 03 55.9 23.95N 122.50E 28–0 4.0L
JMA IV 18 20 03 56.1–.50 24.00N 122.49E 28 4.0L
IDC IV 18 20 03 58.3–.76 24.01N 122.47E 52–6 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=159.4.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=39.5km s-min=11.9km az=65.0.
ISC IV 20 09 04 45.3–.87 21.96N–.05 121.41E–.04 84–6 3.3b 101 0-85
ISCJB IV 20 09 04 44.5–.45 21.96N–.03 121.43E–.03 88–4 3.3b **¶12638838**
TAP IV 20 09 04 46.0 22.05N 121.45E 72–1 4.1L
JMA IV 20 09 04 47.6–.20 22.21N 121.60E 152 3.2
IDC IV 20 09 04 48.2–9.5 21.87N 121.48E 116–94 3.3,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=141.2.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=39.6km s-min=19.8km az=73.0.
ISC IV 20 10 44 17.3–1.7 25.13N–.07 122.68E–.03 177–11 67 1-4
TAP IV 20 10 44 15.9 25.23N 122.67E 184–0 4.0L **¶14401809**
ISCJB IV 20 10 44 17.4–.72 25.11N–.05 122.69E–.03 173–5 4.0L
JMA IV 20 10 44 17.5–.30 25.28N 122.68E 165 3.1
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.5km az=169.0.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP IV 20 12 50 29.5 21.94N 121.59E 125–0 2.9L
¶14401812
TAP C.
ISC IV 20 15 24 54.1–1.9 25.28N–.08 122.53E–.04 213–11 76 1-4
TAP IV 20 15 24 52.4 25.31N 122.58E 229–0 3.9L **¶14401817**
ISCJB IV 20 15 24 53.7–.68 25.26N–.06 122.54E–.03 214–5 3.9L
JMA IV 20 15 24 55.1–.20 25.26N 122.60E 210 3.6
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=3.8km az=166.3.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC IV 20 19 37 42.0–1.4 23.67N–.02 122.51E–.02 20–4 110 1-4
ISCJB IV 20 19 37 42.0–.40 23.68N–.02 122.50E–.02 15–3 **¶14401835**
TAP IV 20 19 37 43.4 23.73N 122.49E 25–0 3.6L
JMA IV 20 19 37 43.1–.30 23.72N 122.48E 55 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=157.8.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC IV 22 00 27 05.5–1.9 24.65N–.06 122.58E–.03 99–13 59 0-2
TAP IV 22 00 27 04.7 24.71N 122.53E 109–0 3.5L **¶14401871**
JMA IV 22 00 27 05.0–.40 24.85N 122.65E 101 2.1
ISCJB IV 22 00 27 05.0–.76 24.65N–.04 122.58E–.03 100–6 2.1
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC IV 22 05 11 15.2–.89 24.50N–.03 122.19E–.02 48–7 3.5b 99 0-82
IDC IV 22 05 11 07.7–1.3 24.56N 122.52E 0 3.7,3.5 **¶12935975**
TAP IV 22 05 11 15.5 24.51N 122.14E 51–0 3.9L,3.5
ISCJB IV 22 05 11 15.2–.29 24.53N–.02 122.19E–.02 56–4 3.4b,3.5
JMA IV 22 05 11 15.8–.20 24.55N 122.21E 58 3.3,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=64.9km s-min=25.5km az=66.0.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=165.7.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC IV 22 06 39 08.5–1.9 24.80N–.07 122.50E–.03 126–12 61 1-2
TAP IV 22 06 39 07.9 24.86N 122.49E 129–0 3.5L **¶14401883**
JMA IV 22 06 39 08.5–.30 24.88N 122.53E 123 2.3
ISCJB IV 22 06 39 08.1–.69 24.79N–.05 122.51E–.03 126–5 2.3
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC IV 22 16 35 08.7–1.2 24.27N–.06 122.99E–.03 58 48 0-2
TAP IV 22 16 35 08.9 24.32N 122.90E 72–2 3.1L **¶14401899**
ISCJB IV 22 16 35 08.4–.33 24.24N–.05 122.98E–.02 58 3.1L
JMA IV 22 16 35 09.1–.10 24.40N 123.00E 49–1 2.4
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=2.5km az=167.9.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
JMA IV 23 13 36 05.5–.10 24.72N 122.75E 49 2.0
TAP IV 23 13 36 06.6 24.04N 122.62E 22–1 3.0L **¶14401938**
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC IV 24 16 46 17.6–1.8 22.03N–.07 121.44E–.04 79–13 73 1-4
ISCJB IV 24 16 46 16.5–.73 22.02N–.04 121.47E–.04 83–7 **¶14401969**
TAP IV 24 16 46 16.1 21.97N 121.40E 85–0 3.4L
JMA IV 24 16 46 17.7–.20 22.08N 121.63E 139 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.5km az=161.3.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC IV 25 10 19 47.7–1.4 24.35N–.07 122.89E–.03 57–12 48 0-2
JMA IV 25 10 19 46.5–.10 24.57N 122.91E 66–1 2.4 **¶14402001**
ISCJB IV 25 10 19 47.4–.62 24.33N–.05 122.89E–.02 57–10 2.4
TAP IV 25 10 19 47.2 24.39N 122.88E 64–1 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.7km az=179.4.
TAP C.
ISC IV 25 17 02 34.2–.69 24.41N–.03 122.59E–.02 76–5 3.9b 156 0-82
NIED IV 25 17 02 00 24.50N 122.60E 113 4.2W **¶12704757**
ISCJB IV 25 17 02 34.0–.20 24.45N–.02 122.59E–.02 85–2 3.8b
TAP IV 25 17 02 35.1 24.38N 122.60E 73–0 4.8L
JMA IV 25 17 02 35.5–.10 24.51N 122.63E 73–1 4.1
IDC IV 25 17 02 37.3–4.8 24.54N 122.61E 103–44 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ86.00000°,λ-127.00000°. NP2:ϕ_s299.00000°,δ37.00000°,λ-7.00000°. M_o2.14000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=165.3.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=17.7km s-min=12.5km az=72.0.
ISC IV 26 03 03 48.8–3.1 22.28N–.05 122.63E–.04 17–22 85 1-4
TAP IV 26 03 03 51.1 22.26N 122.57E 58–1 4.0L **¶14402031**
JMA IV 26 03 03 52.1–.30 22.37N 122.77E 90 3.2
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
ISC IV 27 05 25 28.2–1.3 24.01N–.02 122.27E–.02 21–4 84 1-3
JMA IV 27 05 25 27.4–.30 24.13N 122.12E 39 3.0 **¶14390292**
ISCJB IV 27 05 25 28.3–.41 24.02N–.02 122.28E–.02 17–4 3.0
TAP IV 27 05 25 28.9 24.08N 122.26E 24–0 3.5L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=155.5.
TAP C.
ISC IV 28 07 38 56.8–1.5 24.62N–.05 122.50E–.03 94–10 75 0-3
TAP IV 28 07 38 55.9 24.68N 122.47E 103–0 3.8L **¶14390333**
ISCJB IV 28 07 38 56.3–.61 24.63N–.03 122.51E–.02 95–6 3.8L
JMA IV 28 07 38 56.4–.20 24.78N 122.56E 96–2 2.5
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=171.7.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC IV 29 01 52 53.9–1.4 24.50N–.05 122.35E–.03 60–12 57 0-2
TAP IV 29 01 52 52.6 24.53N 122.36E 67–1 3.3L **¶14390358**
ISCJB IV 29 01 52 53.0–.59 24.52N–.04 122.36E–.02 67–7 3.3L
JMA IV 29 01 52 53.4–.20 24.64N 122.40E 71 2.4
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.3km az=169.8.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC IV 29 08 07 54.8–1.1 24.12N–.05 122.40E–.03 30–12 39 1-2
JMA IV 29 08 07 52.9–.20 24.84N 122.34E 44 2.2 **¶14390368**
TAP IV 29 08 07 53.4 24.15N 122.45E 61–1 3.0L
ISCJB IV 29 08 07 54.3–.58 24.08N–.04 122.40E–.02 30–5 3.0L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC IV 29 18 12 36.2–1.4 23.68N–.05 122.88E–.03 27–14 52 1-2
JMA IV 29 18 12 38.3–.40 23.79N 122.93E 49 1.7 **¶14390394**
TAP IV 29 18 12 39.1 23.68N 122.61E 14–2 2.8L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP D.
ISC V 01 06 38 18.6–1.0 24.50N–.03 122.17E–.03 25–10 56 0-2
TAP V 01 06 38 19.0 24.48N 122.11E 24–0 3.0L **¶14390471**
JMA V 01 06 38 18.6–.20 24.51N 122.18E 47 2.4
ISCJB V 01 06 38 18.1–.42 24.46N–.03 122.23E–.02 16–6 2.4
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC V 03 00 53 58.8–1.6 24.76N–.05 122.46E–.03 92–11 83 0-3
TAP V 03 00 53 57.4 24.79N 122.48E 100–0 4.0L **¶15420660**
JMA V 03 00 53 57.2–.30 24.93N 122.46E 97 2.6
ISCJB V 03 00 53 57.8–.62 24.79N–.03 122.46E–.02 99–5 2.6
ISC Event type ke.
TAP D.
ISCJB Event type ke.
ISC V 03 01 33 52.1–1.1 22.79N–.02 121.70E–.03 9–9 97 0-3
ISCJB V 03 01 33 52.5–.69 22.79N–.02 121.71E–.02 13–4 **¶12750406**
TAP V 03 01 33 54.1 22.82N 121.61E 13–0 3.7L
JMA V 03 01 33 54.7–.30 22.81N 122.00E 0 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=144.4.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC V 03 03 10 40.8–1.6 23.98N–.05 122.65E–.03 15–12 54 1-2
JMA V 03 03 10 39.1–.30 24.34N 122.41E 72 1.7 **¶14390536**
TAP V 03 03 10 40.7 23.97N 122.62E 11–0 3.0L
ISCJB V 03 03 10 41.5–.60 23.94N–.04 122.65E–.02 23–5 3.0L
ISC Event type ke.
TAP D.
ISCJB Event type ke.
ISC V 03 17 22 24.2–1.1 23.93N–.03 122.63E–.02 15–9 68 1-2
TAP V 03 17 22 25.9 23.94N 122.52E 13–1 3.0L **¶14390570**
ISCJB V 03 17 22 25.3–.45 23.93N–.03 122.63E–.02 23–4 3.0L
JMA V 03 17 22 26.1–.30 24.22N 122.59E 51 2.3
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=169.6.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC V 04 20 33 18.2–1.9 24.65N–.07 122.64E–.03 117–13 54 0-2
TAP V 04 20 33 17.4 24.73N 122.64E 125–0 3.2L **¶14390616**
JMA V 04 20 33 18.0–.30 24.84N 122.68E 114 1.8
ISCJB V 04 20 33 18.2–.77 24.63N–.05 122.64E–.03 113–6 1.8
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC V 05 03 39 13.9–1.5 22.74N–.03 122.36E–.03 23–15 67 1-3
ISCJB V 05 03 39 13.9–.66 22.78N–.03 122.37E–.02 19–5 **¶14392955**
TAP V 05 03 39 15.9 22.74N 122.31E 44–1 3.4L
JMA V 05 03 39 16.5–.60 22.83N 122.49E 82 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=148.3.
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
ISC V 05 07 13 02.4–1.1 23.97N–.03 122.40E–.02 15–9 51 1-2
ISCJB V 05 07 13 02.5–1.2 23.97N–.03 122.42E–.02 9–9 **¶14392963**
TAP V 05 07 13 03.8 23.98N 122.43E 26–1 3.0L
JMA V 05 07 13 03.3–.40 24.08N 122.35E 24 2.3
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=170.9.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC V 05 13 14 27.6–1.9 24.01N–.07 122.92E–.03 30–15 37 0-3
JMA V 05 13 14 27.1–.30 24.19N 122.88E 57–4 2.1 **¶14392977**
TAP V 05 13 14 28.2 24.05N 122.86E 58–2 2.9L
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP C.
ISC V 07 12 08 51.4–.92 23.92N–.03 122.52E–.02 22–10 53 1-2
TAP V 07 12 08 50.9 23.92N 122.47E 9–1 3.0L **¶14393076**
ISCJB V 07 12 08 51.0–.44 23.90N–.03 122.54E–.02 15–6 3.0L
JMA V 07 12 08 52.7–.20 24.18N 122.48E 45 3.0L
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.9km az=171.5.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC V 07 12 30 38.5–1.3 22.82N–.03 122.11E–.03 5–10 59 1-3
TAP V 07 12 30 42.5 22.81N 121.99E 41–0 3.1L **¶14393077**
JMA V 07 12 30 42.7–.30 22.93N 122.13E 87 3.1L
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC V 07 18 32 25.7–1.1 24.07N–.03 122.22E–.02 14–9 64 1-2
TAP V 07 18 32 25.1 24.08N 122.19E 8–1 2.8L **¶14393097**
ISCJB V 07 18 32 25.5–.65 24.04N–.02 122.20E–.02 7–4 2.8L
JMA V 07 18 32 27.3–.30 25.11N 122.44E 17 2.0
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=157.3.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC V 08 13 20 18.1–1.1 24.28N–.03 122.30E–.03 16–9 50 1-2
JMA V 08 13 20 18.3–.10 24.87N 122.32E 40 2.3 **¶14393130**
ISCJB V 08 13 20 18.9–.47 24.28N–.03 122.29E–.02 21–6 2.3
TAP V 08 13 20 19.6 24.30N 122.24E 9–1 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=169.0.
TAP D.
ISC V 08 13 27 29.2–1.2 24.77N–.04 122.91E–.03 14–9 39 0-4
JMA V 08 13 27 29.2–.50 24.77N 122.86E 22 3.1 **¶15422879**
ISCJB V 08 13 27 29.0–1.1 24.80N–.05 122.92E–.03 8–8 3.1
TAP V 08 13 27 30.1 24.75N 122.83E 1–1 3.3L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=3.6km az=15.7.
TAP D.
ISC V 08 13 49 19.1–1.3 24.83N–.06 122.94E–.03 12–13 33 0-3
ISCJB V 08 13 49 19.1–1.3 24.84N–.06 122.95E–.03 4–9 **¶14393132**
TAP V 08 13 49 20.5 24.78N 122.85E 1–0 3.1L
JMA V 08 13 49 20.1–.30 24.71N 122.86E 30 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=3.8km az=18.0.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC V 08 14 16 36.5–1.3 24.78N–.06 122.91E–.03 13–11 37 0-3
ISCJB V 08 14 16 36.2–1.5 24.83N–.07 122.94E–.03 7–9 **¶14393134**
TAP V 08 14 16 37.3 24.79N 122.86E 2–2 3.0L
JMA V 08 14 16 37.8–.20 24.76N 122.94E 14 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=3.4km az=13.8.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC V 08 14 19 51.7–5.5 21.57N 121.01E 0 3.4,3.2
¶16155517
IDC Error ellipse: s-maj=441.8km s-min=28.0km az=60.0.
ISC V 08 19 23 06.0–1.5 24.53N–.06 122.90E–.03 70–11 53 0-3
JMA V 08 19 23 04.8–.20 24.65N 122.91E 77–2 2.0 **¶14393154**
TAP V 08 19 23 05.7 24.60N 122.79E 92–1 2.9L
ISCJB V 08 19 23 05.6–.62 24.54N–.05 122.89E–.02 71–8 2.9L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC V 09 04 10 50.5–3.0 22.70N–.04 122.78E–.03 10–20 3.8b,3.3s 128 1-84
NIED V 09 04 10 00 22.80N 122.90E 38 4.4W,3.3s **¶13678589**
IDC V 09 04 10 49.6–.85 22.70N 122.95E 0 3.9,3.8
TAP V 09 04 10 52.9 22.71N 122.70E 58–0 4.4L,3.8
JMA V 09 04 10 52.7–.40 22.76N 122.86E 82 3.6,3.8
BJI V 09 04 10 54.5 22.87N 122.68E 4 4.2b,4.0b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s242.00000°,δ90.00000°,λ-156.00000°. NP2:ϕ_s152.00000°,δ66.00000°,λ0.00000°. M_ω3.86000×10^{15}
IDC Error ellipse: s-maj=24.7km s-min=18.1km az=67.0.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC V 09 18 02 35.3–1.1 24.01N–.03 122.28E–.02 14–9 76 1-2
ISCJB V 09 18 02 35.2–.71 23.98N–.02 122.30E–.02 9–5 **¶14393185**
TAP V 09 18 02 36.5 24.05N 122.27E 25–0 2.9L
JMA V 09 18 02 37.6–.30 24.49N 122.27E 54 2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=155.6.
TAP D.
JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.
ISC V 10 02 38 34.8–1.1 23.91N–.03 122.52E–.02 24–14 72 1-2
ISCJB V 10 02 38 33.8–.79 23.90N–.02 122.53E–.02 6–6 **¶14393215**
TAP V 10 02 38 35.7 23.99N 122.52E 28–1 3.3L
JMA V 10 02 38 36.3–.20 24.06N 122.50E 36 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.6km az=168.4.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC V 10 02 40 05.7–1.2 23.91N–.03 122.51E–.02 26–10 3.5b 89 1-83
TAP V 10 02 40 06.0 23.98N 122.52E 27–0 3.8L **¶13678641**
JMA V 10 02 40 06.1–.30 23.99N 122.51E 24 3.2
IDC V 10 02 40 10.8–.98 24.03N 122.44E 72–9 3.4,3.2
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=47.0km s-min=16.2km az=67.0.
ISC V 11 04 33 46.5–1.6 24.67N–.06 122.75E–.03 95–11 75 0-3
TAP V 11 04 33 45.6 24.75N 122.76E 100–0 3.6L **¶14393258**
JMA V 11 04 33 45.4–.20 24.91N 122.80E 96 2.6
ISCJB V 11 04 33 45.9–.60 24.68N–.04 122.75E–.02 98–5 2.6
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC V 11 07 17 15.8–.98 24.40N–.02 122.01E–.03 23–8 73 0-2
JMA V 11 07 17 14.8–.30 24.99N 122.08E 46 2.5 **¶14393263**
ISCJB V 11 07 17 15.0–.49 24.36N–.02 122.06E–.02 11–3 2.5
TAP V 11 07 17 15.4 24.39N 121.98E 27–0 3.5L
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=4.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=148.2.
TAP C.
ISC V 11 10 40 31.5–3.0 22.70N–.04 122.74E–.04 14–22 59 1-3
TAP V 11 10 40 35.6 22.67N 122.62E 56–1 3.3L **¶14393269**
JMA V 11 10 40 35.2–.50 22.74N 122.89E 80 2.5
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
TAP V 12 02 25 21.5 22.32N 121.27E 65–0 3.5L
¶14393292
TAP B.
ISC V 12 05 09 03.3–1.3 23.44N–.02 122.08E–.03 21–4 126 1-4
NIED V 12 05 09 00 23.50N 122.10E 32 3.8W **¶14393299**
ISCJB V 12 05 09 02.8–.43 23.43N–.02 122.12E–.02 16–3 3.8W
TAP V 12 05 09 04.9 23.46N 122.05E 36–0 4.2L
JMA V 12 05 09 05.0–.30 23.54N 122.11E 79 3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ85.00000°,λ-136.00000°. NP2:ϕ_s125.00000°,δ47.00000°,λ-6.00000°. M_ω4.89000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=44.4.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC V 14 02 19 44.6–.87 24.89N–.04 122.42E–.03 128–6 3.5b 116 0-46
IDC V 14 02 19 29.0–1.5 25.25N 123.09E 0 3.8L,3.7 **¶13678913**
ISCJB V 14 02 19 44.7–.40 24.87N–.03 122.44E–.02 127–3 3.5b,3.7
TAP V 14 02 19 45.2 24.92N 122.43E 122–0 4.3L,3.7
JMA V 14 02 19 45.9–.30 24.95N 122.45E 116–3 3.2,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=65.8km s-min=24.0km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=161.5.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC V 14 08 18 49.8–1.2 24.78N–.03 122.45E–.02 9–9 3.5b 72 0-59
ISCJB V 14 08 18 49.7–.50 24.83N–.03 122.48E–.02 8–3 3.8s,3.5b **¶13678923**
IDC V 14 08 18 49.4–2.5 24.84N 122.38E 0 3.9,3.7b
TAP V 14 08 18 51.9 24.80N 122.31E 13–0 3.8L,3.7b
JMA V 14 08 18 51.5–.20 24.94N 122.60E 25 2.8,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=2.5km az=11.9.
IDC Error ellipse: s-maj=389.9km s-min=28.0km az=70.0.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC V 14 23 17 30.1–1.2 23.43N–.02 122.07E–.03 20–5 89 1-3
ISCJB V 14 23 17 29.9–.48 23.42N–.02 122.10E–.02 20–4 **¶14393417**
TAP V 14 23 17 31.5 23.44N 122.07E 41–0 3.5L
JMA V 14 23 17 32.2–.30 23.46N 122.15E 66 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=42.2.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC V 15 20 50 47.2–1.1 22.09N–.04 121.32E–.03 33–5 73 0-4
ISCJB V 15 20 50 46.1–.67 22.00N–.04 121.39E–.03 41–10 **¶14393465**
TAP V 15 20 50 47.2 22.09N 121.28E 35–0 3.2L
JMA V 15 20 50 49.8–.30 22.34N 121.47E 127 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.0km az=170.5.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
ISC V 16 10 02 48.8–1.6 24.55N–.07 122.75E–.03 88–12 49 0-3
TAP V 16 10 02 47.7 24.57N 122.72E 100–0 3.3L **¶14393487**
JMA V 16 10 02 47.7–.20 24.73N 122.78E 95–2 1.9
ISCJB V 16 10 02 48.1–.78 24.57N–.06 122.75E–.02 92–8 1.9
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC V 16 19 06 32.2–.99 23.91N–.03 122.37E–.02 20–8 58 1-2
ISCJB V 16 19 06 31.4–1.1 23.90N–.02 122.39E–.02 10–8 **¶14393509**
TAP V 16 19 06 32.7 23.96N 122.31E 14–2 2.7L
JMA V 16 19 06 33.7–.30 24.05N 122.40E 20 2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=164.5.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC V 17 04 49 12.0–1.8 24.0N–.20 122.65E–.07 27 3.9b,3.3s 13 1-84
IDC V 17 04 49 03.8–4.8 23.22N 122.53E 0 4.0,3.9 **¶13679096**
ISCJB V 17 04 49 10.9–1.2 23.9N–.10 122.54E–.06 27 3.8b,3.4s
JMA V 17 04 49 12.3–.20 25.08N 122.95E 0 3.2,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=104.9km s-min=38.5km az=178.0.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=7.9km az=172.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP V 17 08 53 28.5 21.03N 120.01E 71–1 3.7L
¶14393539
TAP D.
ISC V 17 23 27 52.5–1.4 24.71N–.04 122.16E–.03 73–8 66 0-2
ISCJB V 17 23 27 51.7–.54 24.72N–.04 122.16E–.02 77–5 **¶14393568**
TAP V 17 23 27 51.8 24.72N 122.15E 76–1 3.3L
JMA V 17 23 27 51.4–.40 24.85N 122.17E 75 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.3km az=167.4.
TAP D.
JMA Error ellipse: s-maj=7.8km s-min=4.0km az=-1.0.
ISC V 18 19 24 20.7–1.3 24.51N–.04 122.75E–.02 98–8 98 0-5
ISCJB V 18 19 24 20.8–.44 24.50N–.03 122.75E–.02 94–5 **¶14393605**
TAP V 18 19 24 21.2 24.53N 122.68E 101–0 3.6L
JMA V 18 19 24 21.4–.10 24.68N 122.77E 90–1 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.5km az=168.4.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC V 19 05 08 14.9–.65 24.78N–.03 122.03E–.02 80–4 3.8b 161 0-95
NIED V 19 05 08 00 24.70N 122.00E 86 4.2W **¶12838533**
BJI V 19 05 08 10.8 24.80N 121.95E 7 4.3b,4.3b
ISCJB V 19 05 08 14.6–.23 24.80N–.02 122.05E–.02 84–2 3.7b,4.3b
TAP V 19 05 08 15.3 24.79N 122.02E 79–0 4.7L,4.3b
JMA V 19 05 08 15.1–.20 24.72N 122.04E 83 3.9,4.3b
IDC V 19 05 08 19.1–5.5 24.84N 122.08E 122–53 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ71.00000°,λ-38.00000°. NP2:ϕ_s72.00000°,δ54.00000°,λ-156.00000°. M_ω2.01000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=149.7.
TAP B.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=27.1km s-min=16.0km az=76.0.
ISC V 20 15 04 50.5–1.8 24.86N–.07 122.16E–.04 118–11 60 0-2
ISCJB V 20 15 04 50.8–.71 24.81N–.04 122.17E–.03 114–5 **¶14393705**
TAP V 20 15 04 50.1 24.89N 122.12E 120–0 3.4L
JMA V 20 15 04 51.1–.20 24.85N 122.21E 116 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.8km az=166.9.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC V 22 00 14 10.1–1.0 24.78N–.04 122.42E–.03 15–9 31 0-2
ISCJB V 22 00 14 09.9–.58 24.80N–.04 122.44E–.02 9–5 **¶14393798**
TAP V 22 00 14 10.9 24.82N 122.34E 11–0 2.7L
JMA V 22 00 14 11.1–.30 24.44N 122.35E 13 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.1km az=13.8.
TAP D.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC V 22 17 32 27.7–1.5 24.82N–.05 122.79E–.03 119–9 78 0-4
TAP V 22 17 32 26.8 24.92N 122.72E 127–0 3.5L **¶14393822**
ISCJB V 22 17 32 27.1–.57 24.82N–.04 122.79E–.02 120–5 3.5L
JMA V 22 17 32 27.0–.20 24.93N 122.79E 120–3 2.8
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.0km az=169.2.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC V 22 19 29 39.2–1.1 24.88N–.04 122.46E–.02 8–11 47 0-2
ISCJB V 22 19 29 39.1–.62 24.89N–.04 122.46E–.02 5–4 **¶14393829**

TAP V 22 19 29 39.0 24.89N 122.43E 8–0 3.1L
JMA V 22 19 29 39.0–.40 24.83N 122.44E 0 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.0km az=12.4.
TAP D.
JMA Error ellipse: s-maj=6.7km s-min=5.0km az=-1.0.
ISC V 24 06 20 57.5–.99 24.84N–.02 122.09E–.03 13–7 80 0-3
NIED V 24 06 20 00 25.00N 122.10E 8 3.7W **¶14393904**
JMA V 24 06 20 57.9–.20 24.99N 122.09E 35 3.5
TAP V 24 06 20 58.2 24.83N 122.03E 13–0 3.4L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s65.00000°,δ51.00000°,λ-109.00000°. NP2:ϕ_s274.00000°,δ43.00000°,λ-68.00000°. M_ϕ4.41000×10^{14}
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
TAP C.
ISC V 25 01 48 45.3–1.2 24.24N–.03 122.18E–.04 26–9 3.3b 91 0-83
ISCJB V 25 01 48 44.8–.62 24.23N–.02 122.26E–.03 19–4 3.2b **¶13679594**
TAP V 25 01 48 46.3 24.30N 122.12E 26–0 4.0L
IDC V 25 01 48 49.1–8.3 24.21N 121.76E 64–80 3.3,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=24.9.
TAP B.
IDC Error ellipse: s-maj=66.7km s-min=27.5km az=70.0.
ISC V 25 03 16 14.3–1.3 24.91N–.05 122.48E–.07 19–3 49 0-50
ISCJB V 25 03 16 13.4–.99 24.89N–.04 122.50E–.05 8–5 3.4b **¶13679598**
IDC V 25 03 16 13.3–1.7 24.26N 121.46E 0 3.7,3.6L
TAP V 25 03 16 14.6 24.92N 122.44E 21–0 3.6L,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.9km az=21.7.
IDC Error ellipse: s-maj=71.8km s-min=29.9km az=69.0.
TAP C.
ISC V 25 04 25 14.8–2.6 25.17N–.10 122.36E–.04 177–15 53 0-2
TAP V 25 04 25 14.7 25.26N 122.27E 182–0 3.7L **¶14393955**
ISCJB V 25 04 25 15.5–.91 25.15N–.06 122.38E–.03 169–6 3.7L
JMA V 25 04 25 15.9–.30 25.22N 122.38E 163 2.7
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=4.8km az=172.0.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC V 25 04 40 14.8–1.1 24.63N–.04 122.53E–.03 20–4 37 0-1
JMA V 25 04 40 13.3–.30 24.76N 122.48E 14 2.6 **¶14393956**
ISCJB V 25 04 40 14.4–.56 24.63N–.03 122.53E–.02 8–4 2.6
TAP V 25 04 40 14.4 24.66N 122.52E 15–1 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=4.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=2.8km az=11.5.
TAP C.
ISC V 25 11 51 12.6–1.7 24.56N–.06 122.58E–.03 99–12 60 0-3
JMA V 25 11 51 11.9–.20 24.84N 122.64E 99 1.7 **¶14393961**
ISCJB V 25 11 51 12.4–.71 24.56N–.04 122.59E–.02 98–6 1.7
TAP V 25 11 51 12.4 24.54N 122.66E 88–1 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.4km az=173.5.
TAP D.
ISC V 26 19 37 19.4–.79 22.91N–.02 121.05E–.02 13–5 3.3b 116 0-50
IDC V 26 19 37 17.2–2.7 23.13N 121.78E 0 3.5,3.4b **¶13679695**
ISCJB V 26 19 37 18.4–.33 22.87N–.01 121.10E–.02 3–2 3.3b,3.2s
TAP V 26 19 37 18.5 22.92N 121.00E 4–0 3.8L,3.2s
JMA V 26 19 37 20.0–.40 22.98N 121.04E 119 2.8,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=229.1km s-min=22.6km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=178.7.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=4.1km az=-1.0.
ISC V 26 22 27 34.8–.34 21.64N–.03 119.57E–.02 24–2 4.9b,4.5s 524 1-114
IDC V 26 22 27 30.9–.44 21.58N 119.55E 0 4.6,4.5 **¶12863601**
BJI V 26 22 27 33.2 21.82N 119.46E 7 4.8s,4.8L
ISCJB V 26 22 27 34.4–.31 21.67N–.01 119.55E–.02 33–3 4.7b,4.4s
TEH V 26 22 27 34.0 21.64N 119.63E 18 4.9L,4.4s
NEIC V 26 22 27 34.6–1.2 21.61N 119.59E 24–9 4.9b,4.4s
MOS V 26 22 27 34.1–.95 21.52N 119.52E 33 5.2b,4.6s
TAP V 26 22 27 35.1 21.74N 119.56E 55–1 5.7L,4.6s
JMA V 26 22 27 36.8–.20 21.40N 120.05E 48 5.3,4.6s
GCMT V 26 22 27 36.5–.30 21.66N 119.47E 28–1 5.0W,4.6s
SZGRF V 26 22 27 36.6 22.23N 119.86E 47 5.4b,4.6s
DJA V 26 22 27 38.4–.80 22N–4.0 120E–7.0 77–12 5.5b,5.4
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Kao-hsiung. Recorded [2 TAP] in T'ai-nan and Yun-lin; [1 TAP] in Chang-hua, Chia-i, P'eng-hu, P'ing-tung and T'ai-tung.
TAP D.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s26,c32; s70,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35±.15 $M_{\theta\theta}$-2.00±.09; $M_{\phi\phi}$3.35±.12; $M_{r\theta}$1.23±.17; $M_{\theta\phi}$-0.24±.08; $M_{\phi r}$1.30±.19; Best double couple: NP1:ϕ_s318.00000°,δ51.00000°,λ-159.00000°. NP2:ϕ_s214.00000°,δ74.00000°,λ-41.00000°. Principal axes: T 3.6900,Plg15.0000° ,Azm271.0000°; N -0.5800,Plg46.0000°,Azm17.0000°; P -3.1100,Plg40.0000° ,Azm168.0000° $M_0$3.40000×10^{16}
SZGRF Taiwan region.
ISC V 27 11 40 09.6–1.0 24.39N–.02 122.08E–.02 9–8 126 0-3
NEIC V 27 11 40 08.9–2.5 24.33N 122.10E 10 4.3L **¶12870877**
ISCJB V 27 11 40 09.2–.36 24.37N–.01 122.09E–.01 2–2 4.3L
TAP V 27 11 40 10.8 24.39N 121.96E 20–0 3.8L
JMA V 27 11 40 11.3–.30 24.72N 122.05E 48 3.2
ISC Event type se.
NEIC Event type fe. Error ellipse: s-maj=26.0km s-min=8.7km az=83.0. Recorded [4 TAP] in I-lan and [3 TAP] in Hua-lien.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.1km az=147.6.
TAP B.
JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.
ISC V 28 02 17 23.7–1.5 24.10N–.05 122.93E–.03 34–3 55 0-2
TAP V 28 02 17 22.7 24.14N 122.93E 72–3 3.1L **¶14394104**
JMA V 28 02 17 23.3–.10 24.38N 122.94E 57–1 2.3
ISC Event type ke.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC V 28 09 02 08.1–1.1 21.58N–.07 119.58E–.07 50 3.5b 77 1-86
IDC V 28 09 02 01.8–1.2 21.38N 119.60E 0 3.7,3.5b **¶13679793**
TAP V 28 09 02 05.3 21.62N 119.50E 42–2 3.8L,3.5b
ISCJB V 28 09 02 06.2–.61 21.57N–.03 119.54E–.04 50 3.5b,3.2s
ISC Event type ke.
TAP D.
ISCJB Event type ke.
ISC V 29 02 15 30.0–.89 24.84N–.03 122.10E–.02 14–6 60 0-2
ISCJB V 29 02 15 29.4–.46 24.81N–.03 122.15E–.02 2–4 **¶14394163**
TAP V 29 02 15 30.1 24.83N 122.06E 12–0 2.9L
JMA V 29 02 15 30.9–.20 24.95N 122.12E 42 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=170.7.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC V 29 07 32 55.3–1.6 24.66N–.05 122.61E–.03 111–10 85 0-3
TAP V 29 07 32 54.6 24.70N 122.58E 119–0 3.9L **¶14394175**
ISCJB V 29 07 32 55.1–.60 24.65N–.03 122.62E–.02 108–5 3.9L
JMA V 29 07 32 55.4–.20 24.82N 122.67E 109–3 3.4
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=172.4.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC V 30 09 03 52.0–1.1 24.06N–.04 122.57E–.02 26–13 53 1-2
JMA V 30 09 03 51.5–.40 24.17N 122.50E 47 1.8 **¶14394229**
ISCJB V 30 09 03 52.1–.57 24.06N–.04 122.57E–.02 28–5 1.8
TAP V 30 09 03 52.2 24.07N 122.59E 52–1 3.0L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.8km az=169.9.
TAP C.
ISC V 30 19 33 27.2–1.4 22.70N–.09 122.77E–.06 20 27 1-3
ISCJB V 30 19 33 27.0–.92 22.68N–.08 122.82E–.05 20 **¶14394264**
TAP V 30 19 33 29.6 22.55N 122.66E 91–2 3.0L
JMA V 30 19 33 29.9–.60 22.86N 122.75E 73 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=3.3km az=150.5.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=4.1km az=-1.0.
ISC V 31 16 15 44.9–1.0 24.20N–.02 122.02E–.02 15–9 116 0-3
ISCJB V 31 16 15 46.7–.30 24.21N–.02 122.03E–.02 27–3 **¶14394322**
TAP V 31 16 15 46.9 24.25N 121.95E 37–0 3.5L
JMA V 31 16 15 47.0–.20 24.32N 122.00E 60 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=149.8.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC V 31 16 44 10.7–1.3 24.69N–.04 122.05E–.03 53–7 71 0-2
JMA V 31 16 44 09.7–.20 24.69N 122.04E 51–3 2.4 **¶14394324**
ISCJB V 31 16 44 10.2–.40 24.68N–.03 122.06E–.02 54–5 2.4
TAP V 31 16 44 10.2 24.69N 122.02E 54–0 3.2L
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=166.0.
TAP D.
ISC VI 01 03 15 15.7–1.2 24.51N–.04 122.77E–.03 103–8 94 0-7
ISCJB VI 01 03 15 16.3–.48 24.52N–.03 122.76E–.02 95–5 **¶14394339**
TAP VI 01 03 15 16.8 24.55N 122.70E 100–0 3.7L
JMA VI 01 03 15 17.0–.10 24.64N 122.77E 92–1 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.8km az=172.4.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC VI 01 18 11 27.4–1.1 24.19N–.04 122.64E–.02 29–12 60 0-2
ISCJB VI 01 18 11 28.3–.34 24.20N–.04 122.65E–.02 39–24 **¶14394390**
TAP VI 01 18 11 28.8 24.27N 122.57E 60–1 3.0L
JMA VI 01 18 11 28.0–.20 24.48N 122.66E 57–1 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.1km az=174.7.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP VI 02 19 23 51.9 22.23N 121.38E 8–1 2.3L
¶14394439
TAP C.
ISC VI 03 06 13 14.1–1.1 24.78N–.04 122.46E–.02 7–11 40 0-2
ISCJB VI 03 06 13 13.7–.57 24.80N–.04 122.46E–.02 1–5 **¶14394461**
JMA VI 03 06 13 14.5–.20 24.76N 122.49E 0
TAP VI 03 06 13 15.6 24.79N 122.29E 4–1 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.1km az=7.3.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
TAP D.
ISC VI 06 00 39 25.3–.72 24.53N–.03 122.42E–.02 84–5 3.6b 158 1-82
NIED VI 06 00 39 00 24.70N 122.50E 119 4.0W **¶13195262**
ISCJB VI 06 00 39 24.4–.23 24.57N–.02 122.43E–.02 89–3 3.5b
TAP VI 06 00 39 25.3 24.55N 122.41E 84–0 4.6L
JMA VI 06 00 39 25.8–.10 24.66N 122.47E 81–1 3.8
IDC VI 06 00 39 29.8–5.6 24.63N 122.44E 131–55 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s70.00000°,δ74.00000°,λ-121.00000°. NP2:ϕ_s315.00000°,δ35.00000°,λ-30.00000°. M_ϕ1.05000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=154.7.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=36.1km s-min=14.8km az=69.0.
ISC VI 06 17 48 04.9–1.4 24.69N–.05 122.11E–.03 63–9 51 0-2
ISCJB VI 06 17 48 04.5–.60 24.69N–.04 122.11E–.03 65–6 **¶14394621**
JMA VI 06 17 48 04.3–.20 24.73N 122.13E 71 2.0
TAP VI 06 17 48 04.1 24.67N 122.07E 69–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=3.6km az=169.2.
JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.
TAP C.
ISC VI 07 11 09 02.8–1.7 24.63N–.07 122.57E–.03 88–12 51 0-2
ISCJB VI 07 11 09 02.9–.74 24.61N–.05 122.57E–.02 84–7 **¶14394655**
JMA VI 07 11 09 02.6–.20 24.77N 122.63E 89 1.7
TAP VI 07 11 09 03.1 24.57N 122.58E 79–1 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=3.3km az=177.3.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
TAP D.
ISC VI 07 15 56 11.9–1.3 24.47N–.04 122.28E–.02 57–11 76 0-3
ISCJB VI 07 15 56 11.2–.45 24.47N–.03 122.29E–.02 61–7 **¶14394659**
JMA VI 07 15 56 11.4–.20 24.71N 122.34E 68 2.1
TAP VI 07 15 56 11.0 24.49N 122.24E 69–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.8km az=164.7.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
TAP C.
ISC VI 08 11 22 29.0–1.1 24.25N–.03 122.20E–.02 31–12 59 0-2
ISCJB VI 08 11 22 28.9–.43 24.26N–.03 122.20E–.02 48–9 **¶14394679**
TAP VI 08 11 22 28.9 24.27N 122.17E 44–1 2.9L
JMA VI 08 11 22 28.9–.10 24.59N 122.25E 69 1.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=2.9km az=163.4.
TAP D.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC VI 09 18 48 04.2–1.1 23.85N–.04 122.66E–.02 15–9 57 1-2
ISCJB VI 09 18 48 05.2–.48 23.81N–.03 122.65E–.02 21–5 **¶14394792**
TAP VI 09 18 48 05.7 23.81N 122.55E 14–0 2.8L
JMA VI 09 18 48 06.2–.30 24.02N 122.62E 26 1.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=170.3.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VI 11 17 20 26.3–1.6 24.64N–.06 122.65E–.03 106–11 64 0-4
TAP VI 11 17 20 25.6 24.68N 122.58E 117–0 3.4L **¶14394886**
ISCJB VI 11 17 20 26.2–.66 24.63N–.04 122.65E–.02 104–6 3.4L
JMA VI 11 17 20 26.4–.20 24.82N 122.69E 101–3 1.9
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.3km az=171.2.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC VI 13 20 24 04.8–1.2 23.65N–.04 122.85E–.02 3–11 67 1-2
ISCJB VI 13 20 24 07.0–.55 23.69N–.03 122.85E–.02 20–6 **¶14395014**
JMA VI 13 20 24 08.3–.40 23.76N 122.89E 50 2.3
TAP VI 13 20 24 09.5 23.73N 122.70E 87–1 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=165.5.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP D.
ISC VI 13 21 28 19.1–2.0 24.49N–.07 122.68E–.04 88–16 35 0-2
JMA VI 13 21 28 18.4–.30 25.22N 123.04E 8 2.1 **¶14395017**
TAP VI 13 21 28 19.0 24.55N 122.64E 97–0 3.2L
ISCJB VI 13 21 28 19.5–.66 24.49N–.04 122.68E–.02 82–7 3.2L
ISC Event type ke.

TAP C.
ISCJB Event type ke.
ISC VI 14 14 20 33.4–1.3 24.56N–.04 122.25E–.03 67–10 70 0-2
ISCJB VI 14 14 20 32.8–.52 24.57N–.03 122.26E–.02 70–6 ¶14395049
JMA VI 14 14 20 32.7–.20 24.67N 122.28E 76–2 2.0
TAP VI 14 14 20 32.2 24.59N 122.23E 77–0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.1km az=167.6.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP C.
ISC VI 15 17 42 36.0–1.4 21.44N–.06 120.05E–.05 20–5 3.8b 100 1-86
IDC VI 15 17 42 35.0–.74 21.85N 120.29E 0 3.9,3.8 ¶13681440
TAP VI 15 17 42 36.9 21.47N 120.12E 66–0 4.2L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=16.1km az=73.0.
TAP C.
ISC VI 15 17 44 04.8–.62 24.59N–.04 122.80E–.02 112–5 3.9b 181 0-82
ISCJB VI 15 17 44 04.2–.21 24.63N–.02 122.81E–.02 115–2 3.9b ¶13681441
JMA VI 15 17 44 05.9–.20 24.69N 122.79E 99–2 3.6
TAP VI 15 17 44 05.8 24.58N 122.80E 104–0 4.8L
IDC VI 15 17 44 05.7–4.1 24.65N 122.66E 116–38 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=161.8.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP B.
IDC Error ellipse: s-maj=30.2km s-min=15.4km az=66.0.
ISC VI 16 05 49 22.2–1.1 24.25N–.03 122.28E–.02 45–13 109 0-8
ISCJB VI 16 05 49 21.9–.30 24.26N–.02 122.29E–.02 49–7 ¶14395137
JMA VI 16 05 49 21.8–.20 24.44N 122.28E 67–2 3.3
TAP VI 16 05 49 21.8 24.26N 122.26E 51–0 4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=164.6.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP B.
ISC VI 17 02 45 12.3–1.2 24.07N–.04 122.20E–.02 25–13 56 1-2
ISCJB VI 17 02 45 11.5–.48 24.03N–.03 122.23E–.02 18–5 ¶14395172
TAP VI 17 02 45 11.7 24.07N 122.24E 30–0 3.0L
JMA VI 17 02 45 12.5–.50 25.05N 122.37E 36 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=155.5.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=5.0km az=-1.0.
ISC VI 18 00 05 02.9–1.1 24.08N–.03 122.08E–.02 33–4 81 0-2
ISCJB VI 18 00 05 02.9–.29 24.08N–.02 122.09E–.02 36–17 ¶14395228
TAP VI 18 00 05 02.8 24.11N 122.04E 47–0 3.4L
JMA VI 18 00 05 02.1–.30 24.42N 122.06E 76 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=138.3.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISC VI 18 21 02 46.9–1.3 24.26N–.05 122.32E–.03 40–31 43 1-2
JMA VI 18 21 02 44.9–.20 24.27N 122.23E 52 1.7 ¶14395300
ISCJB VI 18 21 02 46.5–.54 24.25N–.04 122.33E–.02 43–22 1.7
TAP VI 18 21 02 46.2 24.31N 122.29E 59–0 2.9L
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=166.3.
TAP C.
ISC VI 19 06 28 22.1–1.4 24.66N–.04 122.34E–.03 90–9 82 0-4
ISCJB VI 19 06 28 21.4–.51 24.68N–.03 122.35E–.02 93–5 ¶14395320
JMA VI 19 06 28 21.9–.20 24.81N 122.41E 93–2 3.0
TAP VI 19 06 28 21.3 24.69N 122.30E 98–0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.0km az=166.5.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP C.
ISC VI 19 10 29 14.9–1.9 24.85N–.08 122.27E–.03 106–12 42 0-2
ISCJB VI 19 10 29 13.9–.89 24.88N–.06 122.27E–.03 111–7 ¶13197431
JMA VI 19 10 29 13.7–.20 24.96N 122.26E 109 2.3
TAP VI 19 10 29 14.0 24.91N 122.24E 109–0 3.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=4.1km az=177.2.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP C.
ISC VI 19 10 30 07.3–.42 23.90N–.02 122.29E–.02 17–2 4.5b,3.7s 294 1-96
NIED VI 19 10 30 00 23.90N 122.20E 32 4.3W,3.7s ¶13383513
IDC VI 19 10 30 04.1–.57 24.09N 122.41E 0 4.5,4.4
BJI VI 19 10 30 05.4 24.05N 122.25E 5 4.5b,4.4b
NEIC VI 19 10 30 05.7–.26 24.02N 122.38E 10 5.0L,4.9b
JMA VI 19 10 30 06.3–.30 23.87N 122.23E 16 4.6,4.9b
ISCJB VI 19 10 30 07.9–.39 23.93N–.02 122.38E–.02 32–2 4.5b,3.7s
TAP VI 19 10 30 08.3 23.99N 122.31E 20–0 4.7L,3.7s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s70.00000°,δ86.00000°,λ36.00000°. NP2:ϕ_s337.00000°,δ54.00000°,λ175.00000°. $M_0$3.27000×10^{15}
IDC Error ellipse: s-maj=20.3km s-min=13.7km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.7km az=93.0. Recorded [2 TAP] in I-lan; [1 TAP] in Hua-lien, Nan-t'ou, T'ai-chung and T'ai-pei.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=145.2.
TAP C.
ISC VI 20 03 44 29.4–.36 24.05N–.02 122.50E–.02 52–3 4.7b,3.9s 394 1-147
NIED VI 20 03 44 00 24.20N 122.50E 56 4.7W,3.9s ¶13383520
BJI VI 20 03 44 26.8 24.09N 122.52E 40 4.8b,4.7b
ISCJB VI 20 03 44 28.8–.17 24.06N–.02 122.50E–.01 60–1 4.7b,4.0s
NEIC VI 20 03 44 29.1–.41 24.05N 122.51E 52–3 4.8b,4.0s
JMA VI 20 03 44 29.0–.20 24.15N 122.45E 70–3 5.0,4.0s
IDC VI 20 03 44 29.8–2.2 24.15N 122.59E 57–19 4.4,4.3
TAP VI 20 03 44 29.4 24.04N 122.44E 49–0 5.4L,4.3
DJA VI 20 03 44 31.7–1.0 24N–6.0 122E–11 65–8 5.5b,4.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s334.00000°,δ83.00000°,λ-35.00000°. NP2:ϕ_s68.00000°,δ56.00000°,λ-172.00000°. $M_0$1.37000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Felt at Taipei. Recorded [3 TAP] in Hua-lien; [2 TAP] in Chang-hua, I-lan and T'ai-tung; [1 TAP] in Chia-i, Nan-t'ou, T'ai-chung and T'ai-pei. Recorded [1 JMA] on Iriomote-jima, Ishigaki-jima and Yonaguni-jima, Ryukyu Islands.
JMA Event type fe.
TAP B.
TAP VI 20 22 23 22.6 24.28N 122.08E 48–1 2.5L
¶14395395
TAP C.
ISC VI 24 13 49 19.6–1.4 23.91N–.04 122.66E–.02 13–11 44 1-2
ISCJB VI 24 13 49 19.7–1.3 23.89N–.03 122.65E–.02 12–9 ¶14395535
JMA VI 24 13 49 20.9–.30 24.07N 122.59E 34 1.8
TAP VI 24 13 49 21.6 23.94N 122.57E 8–2 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.0km az=169.8.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC VI 24 17 40 32.5–2.2 25.0N–.10 122.51E–.03 118–14 40 0-2
JMA VI 24 17 40 31.4–.30 24.89N 122.50E 130 ¶14395551
TAP VI 24 17 40 31.6 25.01N 122.48E 120–1 3.2L
ISCJB VI 24 17 40 32.1–.99 24.99N–.09 122.52E–.03 118–8 3.2L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC VI 24 21 01 35.6–2.1 24.9N–.10 122.51E–.03 114–13 44 0-2
JMA VI 24 21 01 33.9–.30 24.93N 122.50E 127 2.1 ¶14395557
TAP VI 24 21 01 34.0 25.02N 122.49E 121–0 3.2L
ISCJB VI 24 21 01 34.6–.92 24.97N–.07 122.52E–.03 119–7 3.2L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC VI 24 21 09 54.2–.37 23.99N–.02 122.32E–.02 30–2 5.0b,4.5s 674 1-168
NEIC VI 24 21 09 51.3 23.85N 122.41E 18 5.3L,5.2b ¶13366857
BJI VI 24 21 09 53.0 24.09N 122.26E 15 4.8b,4.7s
JMA VI 24 21 09 53.9–.30 24.04N 122.28E 28 5.1,4.7s
MOS VI 24 21 09 53.7–.92 24.25N 122.42E 33 5.3b,4.5s
TAP VI 24 21 09 53.8 24.03N 122.29E 22–0 5.0L,4.5s
IDC VI 24 21 09 54.6–2.5 24.22N 122.38E 29–17 4.6,4.6b
DJA VI 24 21 09 54.3–3.1 24N–7.0 122E–8.0 10 5.5b,4.9
ISCJB VI 24 21 09 54.4–.20 24.02N–.02 122.33E–.01 44–1 4.9b,4.5s
GCMT VI 24 21 09 54.3–.40 23.80N 122.18E 36–1 4.9W,4.5s
NIED VI 24 21 10 00 24.00N 122.30E 20 4.7W,4.5s
SZGRF VI 24 21 10 02.8 25.44N 121.95E 33 5.0b,4.7s
ISC Event type se.
NEIC Event type fe. Recorded [2 TAP] in Hua-lien and I-lan; [1 TAP] in Chang-hua, Nan-t'ou, T'ai-chung, T'ai-pei T'ai-tung and Yun-lin. Recorded [1 JMA] on Iriomote-jima and Yonaguni-jima. After TAP.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=9.9km s-min=4.2km az=123.3.
TAP C.
IDC Error ellipse: s-maj=13.9km s-min=12.6km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=152.6.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s34,c40; s53,c78; Moment tensor: Scale 10^{16}Nm; M_{rr}2.13±.17 $M_{\theta\theta}$-2.34±.10; $M_{\phi\phi}$0.20±.11; $M_{r\theta}$1.45±.10; $M_{\theta\phi}$0.27±.07; $M_{\theta r}$0.73±.13; Best double couple: NP1:ϕ_s294.00000°,δ32.00000°,λ122.00000°. NP2:ϕ_s78.00000°,δ63.00000°,λ72.00000°. Principal axes: T 2.7900,Plg67.0000° ,Azm314.0000°; N -0.0300,Plg16.0000°,Azm86.0000°; P -2.7700,Plg16.0000° ,Azm181.0000° $M_0$2.80000×10^{16}
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s72.00000°,δ76.00000°,λ15.00000°. NP2:ϕ_s338.00000°,δ75.00000°,λ166.00000°. $M_0$1.26000×10^{16}
SZGRF Taiwan.
ISC VI 24 21 50 44.2–1.1 23.99N–.03 122.26E–.02 28–12 63 1-2
ISCJB VI 24 21 50 43.1–.74 23.97N–.02 122.28E–.02 10–5 ¶14395559
TAP VI 24 21 50 43.6 24.02N 122.30E 29–1 3.2L
JMA VI 24 21 50 45.0–.50 24.86N 122.32E 29 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=155.5.
TAP D.
JMA Error ellipse: s-maj=8.9km s-min=6.1km az=-1.0.
ISC VI 24 22 10 52.9–.40 23.98N–.02 122.28E–.02 31–2 4.7b,4.0s 446 1-168
NIED VI 24 22 10 00 24.10N 122.30E 38 4.5W,4.0s ¶13383560
BJI VI 24 22 10 51.8 24.07N 122.19E 25 4.6b,4.3L
MOS VI 24 22 10 51.7–.83 24.16N 122.32E 33 5.0b,4.1s
IDC VI 24 22 10 52.7–3.0 24.21N 122.35E 28–20 4.4,4.4
TAP VI 24 22 10 52.3 24.02N 122.29E 21–0 4.7L,4.4
NEIC VI 24 22 10 53.5–.53 24.04N 122.27E 37–4 4.9b,4.4
DJA VI 24 22 10 53.5–2.1 24N–7.0 123E–9.0 34–15 5.2b,4.7b
JMA VI 24 22 10 53.1–.30 24.11N 122.28E 30 4.7,4.7b
ISCJB VI 24 22 10 53.0–.19 24.01N–.02 122.28E–.01 47–1 4.7b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ80.00000°,λ-15.00000°. NP2:ϕ_s159.00000°,δ75.00000°,λ-170.00000°. $M_0$5.50000×10^{15}
TAP C.
NEIC Event type fe. Recorded [1 TAP] in Hua-lien and I-lan.
ISCJB Event type fe.
ISC VI 24 22 17 21.9–1.2 24.01N–.03 122.29E–.02 19–3 59 1-2
ISCJB VI 24 22 17 22.1–.79 23.99N–.02 122.28E–.02 11–5 ¶14395561
TAP VI 24 22 17 22.5 24.02N 122.28E 21–0 2.9L
JMA VI 24 22 17 24.1–.40 24.14N 122.28E 21 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=162.6.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
ISC VI 24 22 31 35.6–1.0 23.96N–.03 122.28E–.02 31–10 3.6b 80 1-41
IDC VI 24 22 31 18.8–68 22.83N 123.07E 0 3.7,3.7 ¶13681984
TAP VI 24 22 31 35.8 24.01N 122.29E 22–0 3.4L,3.7
JMA VI 24 22 31 37.2–.40 24.86N 122.33E 39 3.1,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=1220.0km s-min=168.9km az=134.0.
TAP C.
JMA Error ellipse: s-maj=7.8km s-min=5.0km az=-1.0.
ISC VI 24 22 47 37.1–1.2 24.01N–.03 122.24E–.02 23–13 62 1-2
ISCJB VI 24 22 47 36.7–.47 23.99N–.02 122.27E–.02 17–6 ¶14395563
TAP VI 24 22 47 37.6 24.06N 122.22E 20–0 2.8L
JMA VI 24 22 47 37.7–.30 24.85N 122.30E 30 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=144.1.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=4.0km az=-1.0.
ISC VI 24 23 22 04.9–1.0 23.95N–.02 122.32E–.02 19–3 3.5b 83 1-41
IDC VI 24 23 21 45.4–63 22.81N 124.23E 0 3.7,3.7 ¶14395564
ISCJB VI 24 23 22 06.3–.39 23.95N–.02 122.29E–.02 18–4 3.4b,3.7
TAP VI 24 23 22 06.5 24.02N 122.30E 23–0 3.6L,3.7
JMA VI 24 23 22 07.2–.30 24.04N 122.34E 11 3.2,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=1138.0km s-min=176.2km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=158.1.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC VI 25 00 39 14.5–1.1 23.98N–.03 122.27E–.02 15–9 63 1-3
ISCJB VI 25 00 39 14.8–1.1 23.96N–.02 122.30E–.02 11–8 ¶14395570
TAP VI 25 00 39 15.9 24.04N 122.28E 24–0 3.1L
JMA VI 25 00 39 17.2–.20 24.39N 122.25E 47 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.6km az=158.9.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC VI 25 06 32 25.7–1.2 23.98N–.03 122.27E–.02 15–9 64 1-2
ISCJB VI 25 06 32 26.1–.46 23.96N–.03 122.28E–.02 17–5 ¶14395580
TAP VI 25 06 32 26.6 24.04N 122.29E 26–0 3.3L
JMA VI 25 06 32 27.4–.20 24.46N 122.20E 40 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=151.5.
TAP C.
JMA Error ellipse: s-maj=7.8km s-min=2.0km az=-1.0.
JMA VI 25 19 15 00.6–.50 25.40N 122.85E 218 2.7
¶16606192
JMA Error ellipse: s-maj=6.7km s-min=6.0km az=-1.0.
ISC VI 25 22 36 10.7–1.2 24.45N–.03 122.23E–.02 56–9 98 0-6
ISCJB VI 25 22 36 10.0–.37 24.45N–.03 122.24E–.02 60–5 ¶13367024
TAP VI 25 22 36 10.1 24.44N 122.19E 64–0 4.1L
JMA VI 25 22 36 11.0–.20 24.72N 122.34E 63 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=165.3.
TAP B.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
TAP VI 27 04 16 34.8 21.30N 121.26E 77–1 3.7L
¶14395687
TAP D.
ISC VI 27 11 25 40.6–1.1 22.58N–.03 121.29E–.03 33–4 80 0-4
ISCJB VI 27 11 25 40.1–.32 22.59N–.02 121.32E–.02 31–3 ¶14395704
JMA VI 27 11 25 40.0–.30 22.60N 121.27E 61 3.0
TAP VI 27 11 25 40.6 22.60N 121.23E 39–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=27.1.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
TAP B.
ISC VI 27 12 58 29.8–1.6 24.58N–.05 122.53E–.03 91–11 75 0-3
TAP VI 27 12 58 28.7 24.66N 122.55E 98–0 3.5L ¶14395708

ISCJB VI 27 12 58 29.2–.63 24.60N–.04 122.53E–.02 93–6 3.5L
JMA VI 27 12 58 29.2–.20 24.71N 122.55E 96–2 1.9
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.2km az=173.5.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC VI 27 14 19 19.3–1.1 24.77N–.05 122.43E–.03 11–11 34 0-2
ISCJB VI 27 14 19 19.4–.54 24.77N–.04 122.42E–.02 7–5 **¶14395709**
JMA VI 27 14 19 20.5–.30 24.04N 122.53E 0 2.3
TAP VI 27 14 19 20.8 24.80N 122.33E 17–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.1km az=7.1.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
TAP C.
ISC VI 27 15 43 21.7–1.1 24.78N–.03 122.42E–.02 7–9 74 0-49
ISCJB VI 27 15 43 21.6–.47 24.80N–.03 122.42E–.02 7–3 3.8b **¶13682144**
JMA VI 27 15 43 23.2–.20 24.85N 122.43E 35 2.9
TAP VI 27 15 43 23.2 24.81N 122.29E 10–0 3.4L
IDC VI 27 15 43 27.6–7.3 24.03N 123.21E 0 3.9,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.5km az=9.3.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP C.
IDC Error ellipse: s-maj=392.1km s-min=41.4km az=95.0.
ISC VI 27 22 44 42.7–1.1 23.93N–.03 122.51E–.02 25–10 3.6b 109 1-74
IDC VI 27 22 44 40.0–1.2 23.79N 121.98E 0 3.7,3.7L **¶13367358**
ISCJB VI 27 22 44 42.7–.40 23.92N–.02 122.54E–.02 18–3 3.5b,3.7L
TAP VI 27 22 44 44.2 23.99N 122.46E 29–0 3.8L,3.7L
JMA VI 27 22 44 44.2–.30 24.06N 122.52E 32 3.0,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=69.4km s-min=20.4km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=167.7.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC VI 30 01 31 25.2–1.0 24.82N–.02 122.09E–.02 7–7 3.7b,3.2s 86 0-78
NIED VI 30 01 31 00 25.00N 122.00E 5 4.0W,3.2s **¶13682290**
JMA VI 30 01 31 23.7–.40 24.96N 121.99E 25 3.5,3.2s
TAP VI 30 01 31 24.7 24.82N 122.04E 2–0 3.9L,3.2s
IDC VI 30 01 31 24.9–1.1 24.42N 121.24E 0 3.8,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s69.00000°,δ62.00000°,λ-92.00000°. NP2:ϕ_s254.00000°,δ28.00000°,λ-86.00000°. $M_0$1.28000×10^{15}
JMA Error ellipse: s-maj=8.9km s-min=5.0km az=-1.0.
TAP C.
IDC Error ellipse: s-maj=54.2km s-min=19.7km az=76.0.
ISC VI 30 02 26 60.0–4.6 24.18N–.03 122.19E–.02 38–5 98 0-3
ISCJB VI 30 02 26 59.5–.26 24.16N–.02 122.20E–.02 38–15 **¶13367703**
JMA VI 30 02 26 59.4–.20 24.43N 122.21E 66–3 3.0
TAP VI 30 02 26 59.3 24.20N 122.17E 46–0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=154.5.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP C.
ISC VI 30 04 37 46.3–1.2 23.98N–.05 122.75E–.02 16–10 47 1-2
ISCJB VI 30 04 37 45.0–.99 23.93N–.03 122.73E–.02 2–7 **¶14396857**
TAP VI 30 04 37 46.6 23.94N 122.77E 17–1 3.0L
JMA VI 30 04 37 46.9–.30 24.02N 122.75E 13 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=2.8km az=170.4.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC VI 30 08 26 40.5–1.7 23.21N–.04 122.93E–.03 15–13 77 1-3
JMA VI 30 08 26 43.6–.20 23.29N 122.97E 59 3.0 **¶14396879**
TAP VI 30 08 26 43.9 23.25N 122.90E 63–2 3.7L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC VI 30 13 26 52.9–1.3 23.74N–.03 122.49E–.03 26–14 72 1-19
JMA VI 30 13 26 54.6–.40 23.78N 122.55E 34 2.8 **¶14396891**
TAP VI 30 13 26 54.2 23.80N 122.48E 35–1 3.5L
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
TAP D.
ISC VI 30 17 18 01.6–1.4 24.44N–.05 122.48E–.02 64–13 61 0-2
TAP VI 30 17 18 00.6 24.49N 122.47E 80–0 3.0L **¶14396929**
ISCJB VI 30 17 18 01.2–.59 24.43N–.04 122.49E–.02 65–9 3.0L
JMA VI 30 17 18 01.6–.20 24.67N 122.58E 71 1.7
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=2.9km az=171.8.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC VI 30 19 49 57.6–.75 21.05N–.03 121.27E–.05 14–4 4.4b,4.2s 163 2-87
NIED VI 30 19 49 00 21.10N 121.20E 50 4.9W,4.2s **¶13383612**
BJI VI 30 19 49 55.5 21.05N 121.06E 6 4.8b,4.5s
IDC VI 30 19 49 55.7–.45 20.98N 121.15E 0 4.3,4.3
NEIC VI 30 19 49 56.5–.28 21.08N 121.33E 10 4.8b,4.3
ISCJB VI 30 19 49 56.0–1.1 21.09N–.02 121.25E–.03 15–7 4.3b,4.1s
JMA VI 30 19 49 58.8–.50 21.12N 121.19E 96 4.4,4.1s
DJA VI 30 19 50 03.2–1.1 21N–10 121E–8.0 74–23 5.3b,4.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ76.00000°,λ-104.00000°. NP2:ϕ_s87.00000°,δ20.00000°,λ-46.00000°. $M_0$2.91000×10^{16}
NEIC Event type se.
ISCJB Event type se.

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TAP I 01 21 20 49.0 22.94N 120.54E 18–0 3.0L
¶13862215
TAP A.
TAP I 01 21 20 50.0 23.25N 120.53E 15–0 2.8L
¶13862216
TAP A.
ISC I 03 18 21 35.5–.95 23.75N–.02 121.96E–.02 32–7 123 0-3
ISCJB I 03 18 21 35.0–.36 23.75N–.02 122.00E–.02 24–2 **¶13862281**
TAP I 03 18 21 36.1 23.77N 121.93E 36–0 3.8L
JMA I 03 18 21 36.7–.30 23.71N 122.09E 32 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=142.3.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
ISC I 03 22 04 35.8–.37 24.16N–.02 121.76E–.02 15–1 4.9b 539 0-149
BJI I 03 22 04 32.6 24.17N 121.84E 10 5.4b,5.2s **¶11527886**
IDC I 03 22 04 32.9–.86 24.21N 121.77E 0 4.6,4.5b
NEIC I 03 22 04 34.9–.78 24.16N 121.75E 10–4 5.1L,5.0b
TAP I 03 22 04 35.0 24.15N 121.73E 7–0 5.1L,5.0b
ISCJB I 03 22 04 35.2–.28 24.17N–.01 121.80E–.02 20–1 5.1s,4.8b
MOS I 03 22 04 37.3–1.1 24.40N 121.76E 33 5.1b,4.8b
DJA I 03 22 04 41 24.55N 121.12E 10 5.1b,4.8b
ISC Event type fe.
IDC Error ellipse: s-maj=21.4km s-min=17.5km az=158.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.7km az=118.0. Felt at Chia-i, Nan-t'ou and San-hsia. Recorded [4 TAP] in Hua-lien; [3 TAP] in I-lan and Nan-t'ou; [2 TAP] in T'ai-chung; [1 TAP] in Hsin-chu, Miao-li, T'ai-pei, T'ao-yuan and Yun-lin.
TAP C.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=1.8km az=28.4.
MOS Error ellipse: s-maj=10.2km s-min=5.6km az=117.4.
TAP I 05 20 03 02.3 24.55N 121.61E 64–0 4.0L
¶13862372
TAP B.
ISC I 05 20 21 21.7–.86 24.17N–.02 121.77E–.03 11–5 3.6b 115 0-83
NIED I 05 20 21 00 24.40N 121.60E 17 3.9W **¶11532202**
ISCJB I 05 20 21 21.1–.41 24.16N–.01 121.81E–.02 5–2 3.5b,3.5s
TAP I 05 20 21 21.7 24.17N 121.73E 8–0 4.3L,3.5s
BJI I 05 20 21 31.2 23.89N 120.89E 30 3.9b,3.7b
IDC I 05 20 21 32.9–6.3 24.11N 121.71E 111–62 3.6s,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s267.00000°,δ67.00000°,λ-64.00000°. NP2:ϕ_s35.00000°,δ34.00000°,λ-136.00000°. $M_0$8.02000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.0km az=17.2.
TAP B.
IDC Error ellipse: s-maj=28.9km s-min=15.2km az=75.0.
ISC I 10 17 26 36.5–.84 23.04N–.02 120.18E–.03 16–5 3.4b 81 0-48
IDC I 10 17 26 33.9–5.2 23.35N 121.65E 0 3.6,3.4b **¶12080969**
TAP I 10 17 26 35.8 23.03N 120.22E 15–0 3.8L,3.4b
ISCJB I 10 17 26 36.9–.36 23.03N–.02 120.16E–.03 19–3 3.3b,3.4b
ISC Event type ke.
TAP B.
ISCJB Event type ke.
TAP I 13 04 15 11.3 24.14N 121.71E 8–0 3.8L
¶13862743
TAP B.
TAP I 13 04 17 29.0 24.13N 121.71E 9–0 3.8L
¶13862745
TAP B.
ISC I 13 10 02 55.5–1.4 24.79N–.04 121.76E–.03 90–7 83 0-3
ISCJB I 13 10 02 55.8–.53 24.77N–.03 121.78E–.03 86–4 **¶13862753**
TAP I 13 10 02 56.3 24.75N 121.76E 81–0 4.0L
JMA I 13 10 02 56.0–.30 24.90N 121.84E 81 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=159.7.
TAP B.
JMA Error ellipse: s-maj=7.8km s-min=4.0km az=-1.0.
TAP I 15 07 21 29.3 24.41N 121.94E 29–0 4.0L
¶13862845
TAP B.
TAP I 16 16 48 37.6 23.23N 120.35E 12–0 3.9L
¶11613311
TAP B.
TAP I 17 16 25 08.8 24.31N 121.94E 31–0 3.5L
¶13862968
TAP C.
TAP I 19 04 17 02.9 24.13N 121.68E 9–0 2.6L
¶13863038
TAP D.
TAP I 19 04 17 05.1 24.13N 121.70E 9–0 2.8L
¶13863039
TAP D.
ISC I 19 19 18 50.1–.76 24.10N–.02 121.74E–.02 13–4 111 0-41
IDC I 19 19 18 38.2–9.6 22.58N 121.84E 0 3.8,3.7 **¶12081791**
JMA I 19 19 18 48.8–.30 25.27N 121.72E 30 3.0,3.7
TAP I 19 19 18 50.4 24.12N 121.70E 8–0 3.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=183.5km s-min=40.0km az=168.0.
JMA Error ellipse: s-maj=6.7km s-min=4.0km az=-1.0.
TAP B.
TAP I 20 15 51 03.8 24.06N 121.49E 22–0 3.7L
¶13863131
TAP B.
ISC I 22 01 40 25.3–.80 23.02N–.02 120.48E–.02 23–4 3.6b 118 0-84
NIED I 22 01 40 00 23.00N 120.40E 26 3.9W **¶11616360**
IDC I 22 01 40 22.9–1.2 23.00N 121.67E 0 3.8,3.5
JMA I 22 01 40 24.7–.30 23.02N 120.36E 96 3.5,3.5
TAP I 22 01 40 24.5 23.03N 120.51E 18–0 4.0L,3.5
ISCJB I 22 01 40 25.6–.26 23.01N–.01 120.47E–.02 23–2 3.5b,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ76.00000°,λ157.00000°. NP2:ϕ_s297.00000°,δ68.00000°,λ16.00000°. $M_0$7.92000×10^{14}
TAP B.
ISCJB Event type ke.
TAP I 26 04 28 54.6 24.91N 121.97E 5–1 1.7L
¶13863472
TAP D.
TAP I 26 10 10 17.2 23.17N 121.11E 5–0 3.5L
¶13863483
TAP B.
ISC I 27 21 15 28.8–1.5 24.76N–.05 121.93E–.03 90–8 84 0-3
TAP I 27 21 15 28.0 24.81N 121.88E 95–1 3.2L **¶13863598**
ISCJB I 27 21 15 28.2–.59 24.78N–.03 121.93E–.02 92–4 3.2L
JMA I 27 21 15 28.1–.30 24.87N 121.94E 89 2.2
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.1km az=155.0.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
TAP I 27 22 25 02.5 24.11N 121.71E 9–0 3.8L
¶13863603
TAP B.
ISC I 28 01 36 32.0–.93 23.30N–.02 121.55E–.03 29–7 119 0-3
ISCJB I 28 01 36 31.6–.31 23.30N–.02 121.59E–.02 26–2 **¶13863609**
JMA I 28 01 36 32.8–.40 23.29N 121.60E 68 3.3
TAP I 28 01 36 32.4 23.33N 121.48E 31–0 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=36.5.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
TAP B.
TAP I 29 09 00 52.4 24.78N 121.96E 92–0 3.6L
¶13863677
TAP C.
ISC I 31 15 46 09.6–.91 24.39N–.02 121.94E–.02 25–6 112 0-3
ISCJB I 31 15 46 09.5–.35 24.39N–.02 122.01E–.02 15–4 **¶13863757**
JMA I 31 15 46 09.3–.20 24.46N 121.90E 53 3.0
TAP I 31 15 46 09.4 24.41N 121.93E 26–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=135.1.
JMA Error ellipse: s-maj=8.9km s-min=2.0km az=-1.0.
TAP C.
ISC II 01 09 34 55.4–1.2 23.37N–.03 121.96E–.03 24–13 74 1-3
ISCJB II 01 09 34 55.2–.49 23.37N–.02 122.00E–.02 23–3 **¶13863794**
TAP II 01 09 34 55.4 23.37N 122.03E 27–0 3.2L
JMA II 01 09 34 56.2–.30 23.36N 122.13E 14 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=43.7.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC II 02 10 38 27.2–.84 23.98N–.01 121.11E–.02 15–6 3.5b 137 0-83
NIED II 02 10 38 00 23.80N 121.10E 23 4.0W **¶11667231**
IDC II 02 10 38 22.6–.90 24.26N 121.89E 0 3.7,3.6
BJI II 02 10 38 23.1 23.79N 121.21E 14 3.9L,3.6
JMA II 02 10 38 27.2–.40 23.82N 121.14E 0 3.8,3.6
TAP II 02 10 38 27.5 24.01N 121.01E 16–0 4.3L,3.6
ISCJB II 02 10 38 28.5–.23 24.01N–.01 121.03E–.01 11–2 3.4b,3.3s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s219.00000°,δ84.00000°,λ129.00000°. NP2:ϕ_s316.00000°,δ40.00000°,λ9.00000°. $M_0$9.84000×10^{14}
TAP B.
ISCJB Event type ke.
TAP II 04 03 57 43.6 24.47N 121.86E 12–0 2.8L
¶16191953
TAP D.
ISC II 05 06 09 56.2–3.1 24.41N–.02 121.97E–.02 16–23 65 0-3
ISCJB II 05 06 09 56.4–.36 24.40N–.02 121.99E–.02 18–4 **¶13863990**
TAP II 05 06 09 56.5 24.43N 121.92E 19–0 3.3L
JMA II 05 06 09 56.3–.10 24.41N 121.91E 54 2.4

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=136.1.
TAP D.
JMA Error ellipse: s-maj=6.7km s-min=1.0km az=-1.0.
ISC II 06 13 52 09.5–.66 23.79N–.02 121.74E–.02 19–2 4.0b,3.5s 167 0-83
NIED II 06 13 52 00 23.90N 121.70E 35 4.3W,3.5s **¶13864061**
IDC II 06 13 52 05.8–.69 23.86N 121.83E 0 4.1,3.9b
MOS II 06 13 52 09.4–1.4 23.71N 121.64E 33 4.2b,3.9b
ISCJB II 06 13 52 11.8–.30 23.80N–.01 121.72E–.02 32–2 4.0b,3.4s
BJI II 06 13 52 12.5 24.05N 121.50E 15 4.3b,4.2L
TAP II 06 13 52 12.1 23.81N 121.65E 38–0 4.8L,4.2L
JMA II 06 13 52 12.1–.20 23.88N 121.66E 72 4.4,4.2L
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ54.00000°,λ52.00000°. NP2:ϕ_s254.00000°,δ51.00000°,λ131.00000°. M_o3.58000×10^{15}
IDC Error ellipse: s-maj=27.5km s-min=15.6km az=65.0.
MOS Error ellipse: s-maj=20.8km s-min=11.9km az=110.1.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=141.0.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP II 08 19 31 39.0 24.05N 121.56E 15–0 2.0L
¶13864175
TAP C.
TAP II 08 19 31 41.7 24.12N 121.68E 9–0 1.9L
¶13864176
TAP D.
ISC II 08 21 14 18.5–.89 24.12N–.02 121.71E–.03 12–5 94 0-3
TAP II 08 21 14 18.7 24.13N 121.68E 10–0 3.6L **¶13864189**
ISC Event type ke.
TAP B.
ISC II 10 23 30 32.0–1.3 24.62N–.03 121.98E–.03 58–7 74 0-2
ISCJB II 10 23 30 31.6–.45 24.62N–.03 121.98E–.02 59–5 **¶13864304**
TAP II 10 23 30 31.6 24.62N 121.94E 60–0 3.4L
JMA II 10 23 30 31.8–.20 24.51N 122.02E 68 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=155.3.
TAP D.
JMA Error ellipse: s-maj=8.9km s-min=2.0km az=-1.0.
TAP II 12 04 58 53.7 24.05N 121.54E 18–0 4.0L
¶13864369
TAP B.
TAP II 12 14 43 34.7 22.60N 120.95E 10–1 1.8L
¶16191961
TAP D.
TAP II 16 08 21 10.3 22.42N 120.52E 22–0 3.5L
¶13864581
TAP B.
TAP II 17 16 53 03.6 22.82N 120.67E 27–0 3.5L
¶13864661
TAP B.
TAP II 20 03 46 02.7 23.47N 121.34E 10–0 3.5L
¶13864746
TAP B.
ISC II 20 22 51 25.2–.97 23.79N–.03 121.95E–.03 32–8 74 0-3
ISCJB II 20 22 51 24.8–.41 23.78N–.02 122.00E–.02 24–3 **¶13864777**
TAP II 20 22 51 25.5 23.79N 121.96E 32–0 3.1L
JMA II 20 22 51 25.6–.50 23.72N 122.02E 37 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=149.9.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
ISC II 21 09 49 29.9–.82 23.65N–.01 120.87E–.02 13–5 3.6b 115 0-49
IDC II 21 09 49 28.3–1.1 23.60N 120.88E 0 4.0L,3.7 **¶12701419**
TAP II 21 09 49 29.5 23.67N 120.85E 9–0 4.0L,3.7
ISCJB II 21 09 49 30.6–.21 23.66N–.01 120.88E–.01 6–2 3.5b,3.7
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC II 22 08 08 20.1–1.1 23.85N–.02 121.93E–.02 18–6 84 0-3
ISCJB II 22 08 08 20.8–.47 23.82N–.02 121.96E–.02 21–6 **¶13864829**
TAP II 22 08 08 20.6 23.87N 121.93E 16–0 3.5L
JMA II 22 08 08 20.8–.30 23.83N 121.86E 59 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.5km az=43.3.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP II 23 07 54 20.7 23.40N 121.30E 11–0 3.5L
¶13864876
TAP B.
ISC II 24 18 37 36.6–.85 24.65N–.02 121.21E–.02 10–6 92 0-2
TAP II 24 18 37 35.9 24.66N 121.20E 7–0 3.5L **¶13864942**
ISCJB II 24 18 37 37.0–.25 24.63N–.01 121.22E–.02 2–3 3.5L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC II 25 02 11 04.8–.78 23.86N–.03 121.83E–.02 17 68 0-3
ISCJB II 25 02 11 05.0–.30 23.82N–.02 121.89E–.02 17 **¶13864965**
TAP II 25 02 11 05.8 23.88N 121.81E 47–0 3.2L
JMA II 25 02 11 06.2–.20 23.96N 121.87E 82 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=153.2.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP III 01 01 23 41.4 24.47N 121.81E 13–1 1.8L
¶16392043
TAP D.
TAP III 01 02 35 07.3 24.69N 121.87E 70–0 3.5L
¶13865159
TAP C.
ISC III 02 02 41 57.0–1.7 23.97N–.03 121.91E–.02 36–1 82 0-3
ISCJB III 02 02 41 56.5–.29 23.97N–.02 121.92E–.02 40–9 **¶13865198**
TAP III 02 02 41 56.3 24.01N 121.85E 48–0 3.5L
JMA III 02 02 41 56.7–.30 24.21N 121.93E 78 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=143.0.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISC III 02 12 59 56.3–.72 24.27N–.01 120.99E–.02 12 117 0-2
NEIC III 02 12 59 55.9–1.4 24.29N 120.89E 10 4.4L **¶13865210**
ISCJB III 02 12 59 57.0–.22 24.27N–.01 120.98E–.02 12 4.4L
TAP III 02 12 59 57.2 24.26N 121.02E 40–0 4.2L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=20.1km s-min=6.6km az=114.0. Recorded [2 TAP] in Chang-hua, I-lan, Miao-li and T'ai-chung; [1 TAP] in Hua-lien, Nan-t'ou and Yun-lin.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.4km az=29.7.
TAP B.
ISC III 04 15 01 01.4–2.2 25.00N–.09 121.85E–.05 125–12 49 0-3
ISCJB III 04 15 01 01.4–.79 24.97N–.06 121.87E–.04 124–5 **¶13865300**
TAP III 04 15 01 01.1 24.98N 121.83E 126–0 3.1L
JMA III 04 15 01 02.6–.30 24.98N 121.91E 112 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.0km az=167.4.
TAP B.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISC III 04 16 26 20.9–1.1 23.71N–.02 121.62E–.03 34–2 61 0-3
ISCJB III 04 16 26 20.7–.31 23.70N–.02 121.66E–.02 37–9 **¶13865302**
TAP III 04 16 26 20.4 23.71N 121.67E 43–1 3.1L
JMA III 04 16 26 22.2–.20 23.78N 121.71E 66 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=138.7.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC III 09 03 14 19.7–1.5 23.34N–.03 121.40E–.02 35–2 103 0-3
ISCJB III 09 03 14 19.1–.27 23.34N–.02 121.42E–.02 40–5 **¶13865453**
TAP III 09 03 14 19.2 23.35N 121.33E 41–0 3.8L
JMA III 09 03 14 19.9–.40 23.47N 121.45E 99 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=139.5.
TAP B.
JMA Error ellipse: s-maj=5.6km s-min=4.1km az=-1.0.
ISC III 13 09 29 32.1–.94 23.98N–.01 121.63E–.02 15–7 3.8b 137 0-83
NEIC III 13 09 29 30.6–1.9 23.92N 121.79E 10 4.4L **¶11888784**
ISCJB III 13 09 29 33.7–.22 24.01N–.01 121.61E–.02 20–2 3.7b
TAP III 13 09 29 33.6 24.04N 121.52E 18–0 4.2L
JMA III 13 09 29 33.3–.30 24.17N 121.48E 79 3.3
IDC III 13 09 29 36.2–4.7 24.02N 121.74E 52–44 3.7,3.7L
ISC Event type se.
NEIC Event type fe. Error ellipse: s-maj=25.1km s-min=7.4km az=98.0. Recorded [4 TAP] in Hua-lien; [2 TAP] in I-lan and Nan-t'ou; [1 TAP] in T'ai-chung.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.7km az=35.1.
TAP B.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=35.2km s-min=15.9km az=71.0.
ISC III 14 07 01 44.6–.76 24.34N–.02 121.77E–.03 33–3 3.7b,3.6s 146 0-83
NIED III 14 07 01 00 24.60N 121.80E 38 4.2W,3.6s **¶11888785**
IDC III 14 07 01 39.5–.84 24.38N 121.74E 0 3.9,3.9L
NEIC III 14 07 01 41.6–.61 24.32N 121.95E 10 4.7L,3.9L
ISCJB III 14 07 01 45.3–.30 24.36N–.01 121.78E–.02 27–2 3.6b,3.6s
TAP III 14 07 01 45.4 24.38N 121.70E 30–0 4.5L,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ75.00000°,λ48.00000°. NP2:ϕ_s275.00000°,δ44.00000°,λ158.00000°. M_o1.90000×10^{15}
IDC Error ellipse: s-maj=24.7km s-min=17.6km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=10.7km s-min=8.2km az=123.0. Recorded [3 TAP] in I-lan; [2 TAP] in Hua-lien, Nan-t'ou, T'ai-chung and T'ao-yuan; [1 TAP] in Hsin-chu and T'ai-pei.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.2km az=15.5.
TAP B.
TAP III 15 15 15 26.0 24.39N 120.93E 8–0 2.0L
¶13865753
TAP B.
TAP III 15 15 15 53.1 23.21N 121.20E 14–1 1.2L
¶13865754
TAP B.
ISC III 15 19 05 16.5–1.0 23.85N–.02 121.67E–.02 34–2 88 0-2
TAP III 15 19 05 15.8 23.85N 121.62E 40–0 3.3L **¶13865764**
JMA III 15 19 05 15.6–.40 23.80N 121.74E 27 2.5
ISCJB III 15 19 05 16.1–.28 23.84N–.02 121.69E–.02 38–5 2.5
ISC Event type ke.
TAP C.
ISCJB Event type ke.
TAP III 15 22 33 05.1 23.35N 120.44E 12–0 3.6L
¶13865781
TAP B.
ISC III 17 10 18 43.0–.75 23.85N–.02 121.66E–.02 14 106 0-4
ISCJB III 17 10 18 43.2–.23 23.84N–.01 121.69E–.02 14 **¶13865858**
JMA III 17 10 18 44.7–.20 24.06N 121.63E 79 3.6
TAP III 17 10 18 44.5 23.91N 121.57E 42–0 3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=44.6.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP B.
ISC III 17 15 17 12.4–1.1 23.88N–.02 121.61E–.03 34–2 74 0-3
TAP III 17 15 17 11.9 23.89N 121.61E 40–0 2.8L **¶13865869**
ISCJB III 17 15 17 12.3–.31 23.90N–.02 121.63E–.02 38–7 2.8L
JMA III 17 15 17 12.6–.30 24.04N 121.64E 82 2.7
ISC Event type ke.
TAP C.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=44.3.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC III 18 19 09 42.9–.73 23.75N–.02 121.49E–.02 17–4 3.2b 127 0-49
IDC III 18 19 09 39.8–1.1 23.60N 121.58E 0 3.5,3.4 **¶12025753**
ISCJB III 18 19 09 43.0–.24 23.74N–.01 121.52E–.02 18–2 3.2b,3.4
TAP III 18 19 09 42.6 23.76N 121.44E 16–0 3.8L,3.4
JMA III 18 19 09 42.1–.30 23.69N 121.39E 69 3.1,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=19.7km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=39.4.
TAP B.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
ISC III 23 13 55 58.3–.94 24.42N–.03 122.00E–.02 25–7 57 0-2
TAP III 23 13 55 57.9 24.42N 121.96E 30–0 3.1L **¶13866156**
JMA III 23 13 55 57.5–.40 24.33N 121.93E 42 2.2
ISCJB III 23 13 55 58.1–.36 24.40N–.03 122.03E–.02 21–4 2.2
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC III 23 21 24 35.8–1.1 24.34N–.02 121.99E–.02 32–2 81 0-2
ISCJB III 23 21 24 35.8–.28 24.34N–.02 122.00E–.02 39–7 **¶13866182**
JMA III 23 21 24 35.4–.20 24.66N 122.04E 75
TAP III 23 21 24 35.4 24.34N 121.92E 44–0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=154.7.
JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.
TAP B.
ISC III 25 10 31 57.1–.93 24.04N–.03 121.70E–.02 31–7 81 0-3
ISCJB III 25 10 31 56.3–.31 23.99N–.02 121.75E–.02 27–2 **¶13866238**
JMA III 25 10 31 56.4–.30 24.09N 121.70E 61 2.7
TAP III 25 10 31 56.2 24.01N 121.67E 38–0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=143.4.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
TAP B.
ISC III 27 22 50 30.3–.99 23.12N–.02 121.51E–.02 23–8 95 0-3
ISCJB III 27 22 50 30.6–.34 23.11N–.02 121.53E–.02 21–4 **¶13866351**
TAP III 27 22 50 31.5 23.15N 121.40E 23–0 3.6L
JMA III 27 22 50 32.8–.30 23.25N 121.54E 99 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=27.1.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC III 28 10 36 01.1–1.2 23.78N–.02 121.58E–.02 42–5 111 0-3
JMA III 28 10 35 58.2–.50 23.97N 121.46E 22 3.1 **¶12604908**
ISCJB III 28 10 36 00.6–.26 23.78N–.02 121.59E–.02 46–3 3.1
TAP III 28 10 36 00.4 23.79N 121.51E 48–0 3.8L
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=4.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=43.9.
TAP B.
TAP III 28 11 44 05.3 23.18N 121.36E 18–0 3.6L
¶13866370
TAP C.
TAP III 29 04 47 23.9 24.17N 121.72E 8–0 3.5L
¶13866404
TAP B.
ISC III 31 14 07 19.4–1.4 23.73N–.03 121.74E–.03 35–2 85 0-3
TAP III 31 14 07 17.9 23.71N 121.76E 40–1 3.3L **¶13866499**
ISCJB III 31 14 07 18.8–.29 23.72N–.02 121.76E–.02 39–7 3.3L
JMA III 31 14 07 20.3–.30 24.02N 121.82E 91 2.4
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=137.8.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.

ISC III 31 14 28 48.8–1.0 23.69N–.02 121.56E–.03 33–3 81 0-3
ISCJB III 31 14 28 48.4–.30 23.69N–.02 121.60E–.02 29–2 **¶13866501**
TAP III 31 14 28 48.4 23.70N 121.53E 40–0 3.4L
JMA III 31 14 28 49.6–.30 23.92N 121.64E 102 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=137.9.
TAP B.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
TAP IV 02 09 03 49.5 24.99N 121.80E 137–1 3.6L
¶14400770
TAP B.
ISC IV 03 08 12 22.6–.90 24.21N–.02 121.83E–.03 27–5 84 0-3
JMA IV 03 08 12 21.4–.10 24.84N 121.82E 78 2.6 **¶14400801**
TAP IV 03 08 12 22.6 24.22N 121.79E 27–0 3.4L
ISCJB IV 03 08 12 22.4–.32 24.19N–.02 121.86E–.02 24–3 3.4L
ISC Event type ke.
TAP B.
ISCJB Event type ke.
ISC IV 03 17 26 55.8–1.9 24.04N–.03 121.99E–.02 36–2 89 0-3
TAP IV 03 17 26 55.3 24.07N 121.94E 43–0 3.2L **¶14400834**
JMA IV 03 17 26 55.2–.20 24.29N 122.01E 77 2.5
ISCJB IV 03 17 26 55.2–.28 24.04N–.02 122.01E–.02 37–10 2.5
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC IV 06 17 48 54.2–1.3 24.58N–.03 121.80E–.03 68–6 101 0-3
TAP IV 06 17 48 53.9 24.57N 121.77E 68–0 3.7L **¶12606651**
ISCJB IV 06 17 48 53.6–.40 24.59N–.03 121.81E–.02 71–4 3.7L
JMA IV 06 17 48 54.1–.30 24.82N 121.90E 71 3.0
ISC Event type ke.
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=153.1.
JMA Error ellipse: s-maj=8.9km s-min=4.0km az=-1.0.
ISC IV 07 21 39 34.1–1.7 22.07N–.06 120.38E–.05 52–8 98 0-5
TAP IV 07 21 39 34.6 22.13N 120.44E 46–0 3.5L **¶12606825**
ISCJB IV 07 21 39 34.4–.61 22.12N–.03 120.44E–.03 56–4 3.5L
JMA IV 07 21 39 36.3–.40 22.03N 120.72E 128 2.8
ISC Event type ke.
TAP D.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=138.0.
JMA Error ellipse: s-maj=6.7km s-min=5.2km az=-1.0.
ISC IV 09 00 12 28.5–.80 23.15N–.02 121.54E–.03 27–5 3.8b 141 0-84
NIED IV 09 00 12 00 23.20N 121.60E 44 4.2W **¶12105718**
IDC IV 09 00 12 24.1–.68 23.06N 121.48E 0 4.1L,4.0
ISCJB IV 09 00 12 28.0–.31 23.11N–.02 121.58E–.02 27–2 3.8b,3.5s
BJI IV 09 00 12 27.9 23.23N 121.42E 10 4.4b,4.2b
TAP IV 09 00 12 29.2 23.16N 121.45E 27–0 4.6L,4.2b
JMA IV 09 00 12 30.2–.30 23.24N 121.57E 91 4.2,4.2b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ86.00000°,λ125.00000°. NP2:ϕ_s322.00000°,δ35.00000°,λ7.00000°. $M_0$2.40000×10^{15}
IDC Error ellipse: s-maj=28.4km s-min=15.0km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=149.0.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC IV 09 20 18 17.6–1.1 23.17N–.02 121.64E–.02 33–4 128 0-6
TAP IV 09 20 18 18.8 23.19N 121.54E 40–0 4.3L **¶12607118**
ISCJB IV 09 20 18 18.5–.33 23.16N–.02 121.63E–.02 32–2 4.3L
JMA IV 09 20 18 19.7–.20 23.24N 121.67E 94 3.7
ISC Event type ke.
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=138.4.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP IV 09 21 07 15.5 23.97N 121.02E 14–0 3.5L
¶14401171
TAP B.
ISC IV 10 17 04 58.6–.88 24.47N–.02 121.79E–.02 26–5 92 0-3
JMA IV 10 17 04 56.6–.30 24.26N 121.67E 63 2.9 **¶12607269**
TAP IV 10 17 04 57.7 24.44N 121.78E 29–0 3.6L
ISCJB IV 10 17 04 58.5–.26 24.44N–.02 121.83E–.02 23–2 3.6L
ISC Event type ke.
TAP B.
ISCJB Event type ke.
TAP IV 13 15 05 59.4 23.56N 120.63E 15–1 1.5L
¶12935181
TAP C.
ISC IV 13 19 11 40.0–.96 23.14N–.02 121.44E–.02 18–3 106 0-4
ISCJB IV 13 19 11 39.9–.34 23.13N–.02 121.48E–.02 20–3 **¶14401382**
TAP IV 13 19 11 40.5 23.17N 121.35E 16–0 3.4L
JMA IV 13 19 11 41.0–.30 23.11N 121.50E 85 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=31.5.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC IV 15 11 35 41.6–.94 23.03N–.02 121.42E–.02 24–6 79 0-3
ISCJB IV 15 11 35 41.5–.38 23.02N–.02 121.46E–.02 19–4 **¶12601015**
TAP IV 15 11 35 42.2 23.06N 121.35E 21–0 3.6L
JMA IV 15 11 35 43.3–.20 22.90N 121.59E 90 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=16.4.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP IV 15 14 28 22.4 24.38N 121.65E 23–0 2.8L
¶16505291
TAP B.
TAP IV 16 08 32 22.8 24.83N 122.00E 6–1 3.5L
¶14401499
TAP C.
ISC IV 17 12 37 48.7–.32 23.93N–.02 121.75E–.02 40–2 4.7b,4.0s 457 0-99
NIED IV 17 12 37 00 24.10N 121.70E 41 4.8W,4.0s **¶12608097**
BJI IV 17 12 37 44.7 24.05N 121.58E 4 4.8b,4.6L
MOS IV 17 12 37 45.5–1.2 23.94N 121.75E 33 5.0b,4.1s
ISCJB IV 17 12 37 48.4–.14 23.92N–.01 121.75E–.01 56–1 4.7b,4.0s
NEIC IV 17 12 37 48.8–.49 23.87N 121.70E 45–4 4.8b,4.0s
TAP IV 17 12 37 48.9 23.92N 121.68E 43–0 5.3L,4.0s
JMA IV 17 12 37 49.4–.20 24.10N 121.72E 78–4 5.0,4.0s
IDC IV 17 12 37 50.4–2.0 23.88N 121.75E 64–18 4.3,4.3
DJA IV 17 12 37 50.7–.70 24N–7.0 122E–12 51–9 5.0b,5.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ74.00000°,λ73.00000°. NP2:ϕ_s261.00000°,δ24.00000°,λ135.00000°. $M_0$1.95000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at T'ai-chung and Taipei. Also felt at Chang-hua, Chu-pei, Hsin-chuang, Hsin-chu, Hua-lien, I-lan, Miao-li, T'ao-yuan and Yung-ho. Recorded [4 TAP] in Hua-lien; [3 TAP] in I-lan; [2 TAP] in Miao-li, Nan-t'ou, T'ai-chung, T'ai-pei and T'ao-yuan; [1 TAP] in Chia-i, Hsin-chu, P'eng-hu, T'ai-nan and T'ai-tung. Recorded [1 JMA] on Iriomote-jima, Ryukyu Islands.
TAP B.
JMA Event type fe.
TAP IV 19 04 01 42.8 24.70N 121.76E 80–0 3.8L
¶12611747
TAP B.
TAP IV 20 12 50 51.3 23.16N 120.53E 13–1 0.8L
¶14401813
TAP D.
TAP IV 23 21 45 32.4 24.13N 121.53E 25–0 3.8L
¶12692937
TAP B.
TAP IV 24 16 46 21.2 22.60N 120.68E 23–2 1.6L
¶14401970
TAP D.

ISC IV 25 09 52 27.8–.93 23.65N–.02 121.77E–.03 30–6 90 0-3
ISCJB IV 25 09 52 27.1–.39 23.63N–.02 121.82E–.02 20–4 **¶12697238**
TAP IV 25 09 52 28.5 23.68N 121.70E 30–0 3.6L
JMA IV 25 09 52 28.6–.40 23.62N 121.82E 50 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=41.7.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
TAP IV 25 21 45 16.1 23.03N 121.41E 37–0 2.9L
¶12704796
TAP C.
ISC IV 25 21 45 17.2–.88 24.01N–.02 121.53E–.02 18–3 99 0-3
JMA IV 25 21 45 16.9–.40 24.14N 121.45E 71 3.1 **¶14402018**
ISCJB IV 25 21 45 17.5–.23 24.00N–.01 121.59E–.02 17–3 3.1
TAP IV 25 21 45 17.1 24.01N 121.52E 19–0 3.9L
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=31.9.
TAP B.
ISC IV 27 15 12 01.8–1.4 24.72N–.04 121.79E–.03 82–7 95 0-2
ISCJB IV 27 15 12 01.6–.51 24.71N–.03 121.79E–.02 81–4 **¶14390302**
TAP IV 27 15 12 01.9 24.71N 121.76E 78–0 3.4L
JMA IV 27 15 12 02.2–.20 24.87N 121.91E 84 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=151.2.
TAP B.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
ISC IV 28 05 08 40.4–.95 23.73N–.03 121.79E–.03 31–7 72 0-3
ISCJB IV 28 05 08 39.8–.38 23.72N–.02 121.83E–.02 26–3 **¶12742433**
TAP IV 28 05 08 40.0 23.72N 121.78E 36–0 3.5L
JMA IV 28 05 08 40.3–.40 23.78N 121.78E 70 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=140.5.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC IV 28 10 57 22.0–1.0 22.19N–.03 120.54E–.04 33–5 3.3b 74 0-47
IDC IV 28 10 57 14.9–5.2 22.73N 121.68E 0 3.6,3.4 **¶12742476**
ISCJB IV 28 10 57 21.5–.46 22.18N–.02 120.54E–.04 43–4 3.2b,3.4
TAP IV 28 10 57 21.9 22.23N 120.57E 31–0 3.5L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=382.8km s-min=29.6km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=171.5.
TAP C.
TAP V 01 13 41 36.1 24.18N 121.78E 10–0 3.7L
¶14390483
TAP B.
TAP V 06 11 38 55.1 24.90N 121.99E 5–1 1.9L
¶14393018
TAP D.
TAP V 06 13 09 09.7 24.28N 121.67E 41–0 2.6L
¶16555903
TAP B.
ISC V 07 16 19 59.6–.84 23.31N–.02 121.55E–.02 31–6 3.5b 125 0-72
IDC V 07 16 19 53.9–2.1 23.33N 121.71E 0 3.6,3.5 **¶12793108**
ISCJB V 07 16 19 59.3–.33 23.29N–.02 121.59E–.02 29–2 3.5b,3.5
TAP V 07 16 20 00.2 23.33N 121.49E 31–0 4.1L,3.5
NIED V 07 16 20 00 23.30N 121.60E 32 3.7W,3.5
JMA V 07 16 20 00.7–.20 23.33N 121.62E 75 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=189.5km s-min=18.8km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=151.0.
TAP B.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s215.00000°,δ89.00000°,λ-96.00000°. NP2:ϕ_s112.00000°,δ6.00000°,λ-13.00000°. $M_0$4.36000×10^{14}
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC V 07 16 54 31.9–.88 24.19N–.02 121.79E–.02 11–6 108 0-3
TAP V 07 16 54 31.8 24.19N 121.77E 11–0 3.7L **¶14393094**
JMA V 07 16 54 31.4–.30 24.03N 121.66E 51 2.9
ISCJB V 07 16 54 31.4–.38 24.18N–.01 121.83E–.02 4–2 2.9
ISC Event type ke.
TAP B.
ISCJB Event type ke.
ISC V 09 00 10 15.1–1.2 24.09N–.02 121.41E–.02 64–5 121 0-3
TAP V 09 00 10 14.4 24.09N 121.39E 63–0 4.0L **¶14393164**
ISCJB V 09 00 10 14.5–.33 24.09N–.02 121.42E–.02 69–3 4.0L
JMA V 09 00 10 15.1–.20 24.34N 121.47E 86 3.2
ISC Event type ke.
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=40.5.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP V 09 01 37 12.4 23.03N 120.18E 17–0 2.5L
¶14393166
TAP C.
ISC V 10 16 18 45.2–.90 23.53N–.02 121.55E–.02 27–6 104 0-3
JMA V 10 16 18 44.0–.30 23.43N 121.78E 0 **¶14393237**
TAP V 10 16 18 45.1 23.52N 121.51E 27–0 3.3L
ISCJB V 10 16 18 45.2–.30 23.52N–.02 121.58E–.02 25–2 3.3L
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC V 12 02 49 00.8–.82 23.05N–.01 120.59E–.02 12–6 116 0-4
TAP V 12 02 48 59.2 23.05N 120.59E 10–0 3.8L **¶14393293**
JMA V 12 02 49 00.3–.40 22.77N 120.60E 103 3.5
ISCJB V 12 02 49 00.8–.24 23.05N–.01 120.61E–.02 9–2 3.5
ISC Event type ke.
TAP B.
ISCJB Event type ke.
ISC V 12 17 09 00.2–1.8 24.01N–.02 121.74E–.02 36–1 111 0-3
TAP V 12 17 08 58.0 24.02N 121.68E 45–0 3.5L **¶14393325**
JMA V 12 17 08 58.5–.20 24.18N 121.77E 76–4 2.6
ISCJB V 12 17 08 58.3–.23 24.01N–.02 121.76E–.02 41–5 2.6
ISC Event type ke.
TAP C.
ISCJB Event type ke.
ISC V 15 14 31 03.1–.54 24.17N–.02 121.82E–.02 18–2 4.4b,3.9s 212 0-96
NIED V 15 14 30 00 24.00N 121.30E 5 4.9W,3.9s **¶12838166**
JMA V 15 14 30 58.3–.50 24.04N 121.30E 35 4.9,3.9s
BJI V 15 14 31 02.4 24.24N 121.81E 6 4.7b,4.6s
NEIC V 15 14 31 02.2–1.4 24.20N 121.86E 18–8 4.5b,4.6s
TAP V 15 14 31 03.4 24.18N 121.77E 12–0 4.6L,4.6s
ISCJB V 15 14 31 03.5–.28 24.20N–.01 121.86E–.02 24–2 4.2b,3.9s
IDC V 15 14 31 09.8–3.3 24.25N 121.90E 78–30 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ77.00000°,λ85.00000°. NP2:ϕ_s267.00000°,δ15.00000°,λ111.00000°. $M_0$2.26000×10^{16}
JMA Error ellipse: s-maj=6.7km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.2km az=124.0.
TAP B.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.1km az=33.0.
IDC Error ellipse: s-maj=17.7km s-min=14.3km az=74.0.
ISC V 15 15 43 52.2–.93 23.46N–.02 121.60E–.03 30–7 87 0-3
ISCJB V 15 15 43 51.8–.33 23.47N–.02 121.64E–.02 27–2 **¶14393454**
JMA V 15 15 43 51.6–.60 23.51N 121.58E 84 2.4
TAP V 15 15 43 52.0 23.47N 121.59E 33–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=40.4.
JMA Error ellipse: s-maj=5.6km s-min=5.1km az=-1.0.
TAP C.
TAP V 15 20 51 48.0 24.41N 121.27E 6–1 1.6L
¶14393466
TAP D.

ISC	V	**17 20 53 14.9–.99**	**23.11N–.02**	**121.45E–.02**	**33–3**		**99**	**0-3**
ISCJB	V	17 20 53 14.4–.33	23.12N–.01	121.48E–.02	30–2			**¶14393563**
TAP	V	17 20 53 14.8	23.13N	121.39E	38–0	3.0L		
JMA	V	17 20 53 15.9–.30	23.07N	121.55E	74	3.0L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=25.2.							
TAP	C.							
JMA	Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.							
ISC	**V**	**19 19 22 15.0–1.2**	**24.17N–.03**	**121.88E–.03**	**48–8**		**72**	**0-3**
TAP	V	19 19 22 14.0	24.19N	121.83E	57–0	3.0L		**¶14393663**
JMA	V	19 19 22 13.9–.30	24.43N	121.89E	79	2.3		
ISCJB	V	19 19 22 14.5–.36	24.17N–.02	121.90E–.02	51–5	2.3		
ISC	Event type ke.							
TAP	C.							
ISCJB	Event type ke.							
ISC	**V**	**25 15 35 28.3–1.0**	**23.95N–.02**	**121.68E–.02**	**34–2**		**77**	**0-3**
TAP	V	25 15 35 27.8	23.95N	121.63E	44–0	2.8L		**¶14393966**
JMA	V	25 15 35 27.7–.60	24.11N	121.70E	82	2.2		
ISCJB	V	25 15 35 28.1–.30	23.94N–.02	121.70E–.02	39–5	2.2		
ISC	Event type ke.							
TAP	C.							
ISCJB	Event type ke.							
TAP	**V**	**28 14 43 07.6**	**23.21N**	**120.96E**	**6–0**	**1.5L**		
								¶14394147
TAP	B.							
TAP	**V**	**30 11 26 49.2**	**24.42N**	**121.96E**	**32–0**	**3.7L**		
								¶14394234
TAP	C.							
ISC	**V**	**31 01 47 23.1–.86**	**23.72N–.02**	**121.77E–.02**	**25**		**114**	**0-3**
ISCJB	V	31 01 47 23.5–.25	23.71N–.01	121.79E–.02	25			**¶13193371**
TAP	V	31 01 47 24.4	23.76N	121.70E	43–0	3.7L		
JMA	V	31 01 47 24.6–.30	23.81N	121.77E	76	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=136.4.							
TAP	C.							
JMA	Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.							
TAP	**V**	**31 18 22 14.2**	**24.40N**	**121.97E**	**20–0**	**3.5L**		
								¶14394327
TAP	B.							
ISC	**V**	**31 19 17 20.8–1.2**	**24.28N–.03**	**121.90E–.03**	**41–9**		**69**	**0-3**
ISCJB	V	31 19 17 20.4–.32	24.27N–.02	121.92E–.02	40–8			**¶14394331**
TAP	V	31 19 17 20.1	24.30N	121.83E	45–0	2.8L		
JMA	V	31 19 17 20.0–.30	24.58N	121.96E	73	2.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=146.5.							
TAP	C.							
JMA	Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.							
ISC	**VI**	**01 16 47 17.8–.83**	**23.41N–.01**	**120.65E–.02**	**16–6**		**118**	**0-4**
TAP	VI	01 16 47 17.5	23.39N	120.65E	12–0	3.8L		**¶12872796**
ISCJB	VI	01 16 47 18.7–.22	23.39N–.01	120.64E–.02	12–2	3.8L		
JMA	VI	01 16 47 18.2–.50	23.19N	120.63E	40	3.5		
ISC	Event type ke.							
TAP	B.							
ISCJB	Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=21.5.							
JMA	Error ellipse: s-maj=8.9km s-min=5.1km az=-1.0.							
ISC	**VI**	**02 13 51 47.1–.99**	**23.30N–.02**	**121.56E–.02**	**26–8**		**95**	**0-3**
ISCJB	VI	02 13 51 47.0–.34	23.30N–.02	121.58E–.02	26–3			**¶13193765**
TAP	VI	02 13 51 47.8	23.33N	121.49E	31–0	3.2L		
JMA	VI	02 13 51 48.4–.30	23.32N	121.60E	73	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=136.2.							
TAP	B.							
JMA	Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.							
TAP	**VI**	**02 19 24 09.9**	**23.38N**	**120.95E**	**8–0**	**1.4L**		
								¶14394440
TAP	B.							
TAP	**VI**	**03 08 00 05.2**	**24.22N**	**121.06E**	**12–0**	**3.5L**		
								¶14394465
TAP	B.							
TAP	**VI**	**03 08 57 21.8**	**23.25N**	**120.97E**	**8–1**	**1.8L**		
								¶14394469
TAP	B.							
TAP	**VI**	**03 08 57 24.9**	**23.35N**	**121.67E**	**26–0**	**2.2L**		
								¶14394470
TAP	D.							
ISC	**VI**	**06 01 51 37.3–1.1**	**23.77N–.03**	**121.85E–.03**	**31–12**		**59**	**0-3**
ISCJB	VI	06 01 51 36.8–.44	23.75N–.02	121.91E–.03	23–4			**¶14394593**
TAP	VI	06 01 51 37.5	23.76N	121.84E	34–0	3.3L		
JMA	VI	06 01 51 37.8–.30	23.76N	121.91E	62	2.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=43.4.							
TAP	C.							
JMA	Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.							
ISC	**VI**	**06 17 49 34.5–1.1**	**23.97N–.03**	**121.87E–.03**	**33–3**		**49**	**0-3**
ISCJB	VI	06 17 49 34.2–.36	23.97N–.03	121.89E–.03	40–9			**¶14394622**
JMA	VI	06 17 49 34.5–.40	24.13N	121.92E	80	1.8		
TAP	VI	06 17 49 34.0	23.99N	121.84E	45–0	2.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=147.5.							
JMA	Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.							
TAP	C.							
ISC	**VI**	**07 01 24 12.4–.88**	**24.21N–.02**	**121.81E–.02**	**11–6**		**77**	**0-2**
JMA	VI	07 01 24 10.8–.20	25.33N	122.08E	0	2.7		**¶14394634**
TAP	VI	07 01 24 12.4	24.20N	121.77E	12–0	3.4L		
ISC	Event type ke.							
JMA	Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.							
TAP	B.							
ISC	**VI**	**07 06 26 36.7–1.2**	**24.02N–.02**	**121.74E–.02**	**47–6**		**101**	**0-3**
TAP	VI	07 06 26 36.0	24.02N	121.67E	53–0	3.5L		**¶13195481**
ISCJB	VI	07 06 26 36.1–.29	24.01N–.02	121.76E–.02	51–4	3.5L		
JMA	VI	07 06 26 36.5–.20	24.21N	121.79E	79	2.6		
ISC	Event type ke.							
TAP	C.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=136.8.							
JMA	Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.							
ISC	**VI**	**07 16 06 50.3–.95**	**23.79N–.03**	**121.60E–.03**	**33–5**		**42**	**0-3**
ISCJB	VI	07 16 06 49.8–.31	23.78N–.02	121.63E–.02	30–2			**¶14394662**
TAP	VI	07 16 06 49.9	23.80N	121.59E	38–0	2.8L		
JMA	VI	07 16 06 51.1–.30	23.89N	121.67E	80	2.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=135.6.							
TAP	C.							
JMA	Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.							
ISC	**VI**	**07 17 17 50.6–.89**	**23.75N–.02**	**121.44E–.02**	**19–2**		**124**	**0-5**
JMA	VI	07 17 17 49.3–.20	23.62N	121.38E	53	3.1		**¶13195554**
ISCJB	VI	07 17 17 50.5–.22	23.73N–.01	121.48E–.02	21–2	3.1		
TAP	VI	07 17 17 50.1	23.75N	121.40E	23–0	3.7L		
ISC	Event type ke.							
JMA	Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=43.0.							
TAP	B.							
ISC	**VI**	**07 20 29 23.6–.94**	**23.39N–.02**	**121.57E–.02**	**32–7**		**99**	**0-4**
ISCJB	VI	07 20 29 23.1–.32	23.38N–.02	121.63E–.02	30–2			**¶13195587**
TAP	VI	07 20 29 23.6	23.40N	121.54E	34–0	3.4L		
JMA	VI	07 20 29 24.4–.30	23.44N	121.67E	88	2.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=140.6.							
TAP	C.							
JMA	Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.							
TAP	**VI**	**08 02 16 13.7**	**24.58N**	**121.68E**	**50–0**	**3.5L**		
								¶13195616
TAP	B.							
TAP	**VI**	**08 18 43 56.3**	**23.88N**	**121.56E**	**9–0**	**3.3L**		
								¶13195756
TAP	B.							
TAP	**VI**	**08 18 44 05.5**	**23.88N**	**121.56E**	**10–0**	**3.9L**		
								¶14394705
TAP	B.							
ISC	**VI**	**10 07 38 44.6–.84**	**23.84N–.02**	**121.61E–.03**	**10–5**	**3.4b**	**90**	**0-83**
IDC	VI	10 07 38 37.5–4.9	22.88N	121.78E	0	3.6,3.5		**¶12976598**
ISCJB	VI	10 07 38 44.4–.42	23.85N–.01	121.63E–.02	4–2	3.3b,3.5		
TAP	VI	10 07 38 44.8	23.88N	121.56E	9–0	3.8L,3.5		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=111.1km s-min=51.9km az=3.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.8km s-min=2.1km az=25.1.							
TAP	B.							
TAP	**VI**	**10 19 30 55.3**	**23.88N**	**121.57E**	**10–0**	**3.7L**		
								¶13196079
TAP	B.							
ISC	**VI**	**11 08 51 39.2–.90**	**24.19N–.02**	**120.90E–.02**	**32–7**		**96**	**0-2**
NEIC	VI	11 08 51 38.3–1.6	24.17N	120.86E	10	4.0L		**¶13046891**
TAP	VI	11 08 51 38.7	24.17N	120.90E	34–0	3.5L		
ISCJB	VI	11 08 51 39.2–.28	24.20N–.02	120.89E–.02	34–5	3.5L		
ISC	Event type se.							
NEIC	Event type fe. Recorded [3 TAP] in T'ai-chung; [2 TAP] in Chang-hua and Nan-t'ou; [1 TAP] in Miao-li and Yun-lin.							
TAP	B.							
ISCJB	Event type fe.							
ISC	**VI**	**11 12 55 54.5–.98**	**23.52N–.02**	**121.73E–.03**	**29–9**		**78**	**0-3**
ISCJB	VI	11 12 55 54.2–.40	23.51N–.02	121.77E–.02	25–3			**¶14394867**
TAP	VI	11 12 55 54.4	23.53N	121.72E	30–0	3.2L		
JMA	VI	11 12 55 55.9–.20	23.58N	121.78E	55	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=137.7.							
TAP	D.							
JMA	Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.							
ISC	**VI**	**11 14 17 50.6–.95**	**23.16N–.02**	**121.46E–.03**	**19–2**		**74**	**0-3**
ISCJB	VI	11 14 17 50.3–.43	23.14N–.02	121.51E–.03	18–6			**¶14394871**
TAP	VI	11 14 17 51.0	23.19N	121.39E	19–0	3.2L		
JMA	VI	11 14 17 51.3–.50	23.08N	121.50E	67	3.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=10.7.							
TAP	C.							
JMA	Error ellipse: s-maj=5.6km s-min=3.1km az=-1.0.							
ISC	**VI**	**12 03 59 55.8–1.4**	**24.81N–.05**	**121.97E–.03**	**95–7**		**106**	**0-3**
ISCJB	VI	12 03 59 55.2–.50	24.83N–.03	121.97E–.02	98–3			**¶13196356**
TAP	VI	12 03 59 55.8	24.81N	121.95E	94–0	4.2L		
JMA	VI	12 03 59 55.8–.30	24.90N	122.01E	88	3.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=2.8km az=162.3.							
TAP	B.							
JMA	Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.							
ISC	**VI**	**12 12 51 53.6–.91**	**23.98N–.02**	**121.70E–.02**	**7–6**	**3.6b**	**142**	**0-83**
NIED	VI	12 12 51 00	23.80N	121.60E	5	4.3W		**¶13066681**
JMA	VI	12 12 51 52.5–.30	23.80N	121.56E	23	3.6		
IDC	VI	12 12 51 52.4–.87	23.98N	121.76E	0	3.8,3.6		
NEIC	VI	12 12 51 52.9–1.8	23.95N	121.72E	10	4.2L,3.6		
BJI	VI	12 12 51 53.7	24.04N	121.70E	6	4.0b,3.9L		
ISCJB	VI	12 12 51 53.5–.32	23.99N–.01	121.70E–.02	3–2	3.5b,3.4s		
TAP	VI	12 12 51 54.1	24.00N	121.63E	7–0	4.2L,3.4s		
ISC	Event type se.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ78.00000°,λ101.00000°. NP2:ϕ_s196.00000°,δ16.00000°,λ50.00000°. $M_0$2.78000×10^{15}							
JMA	Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.							
IDC	Error ellipse: s-maj=27.2km s-min=18.9km az=74.0.							
NEIC	Event type fe. Error ellipse: s-maj=24.6km s-min=6.7km az=99.0. Recorded [4 TAP] in Hua-lien; [2 TAP] in I-lan and Nan-t'ou; [1 TAP] in T'ai-chung.							
ISCJB	Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=29.0.							
TAP	B.							
ISC	**VI**	**13 00 15 30.3–1.1**	**23.18N–.02**	**121.81E–.02**	**14–7**	**3.4b**	**135**	**0-84**
NIED	VI	13 00 15 00	23.20N	121.80E	11	3.8W		**¶13077527**
IDC	VI	13 00 15 29.4–4.8	23.15N	121.58E	0	3.8,3.8L		
ISCJB	VI	13 00 15 30.4–.42	23.18N–.02	121.84E–.02	16–4	3.3b,3.8L		
TAP	VI	13 00 15 32.1	23.21N	121.76E	26–0	4.4L,3.8L		
JMA	VI	13 00 15 32.3–.30	23.18N	121.82E	67	3.7,3.8L		
ISC	Event type ke.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s301.00000°,δ52.00000°,λ-54.00000°. NP2:ϕ_s71.00000°,δ51.00000°,λ-127.00000°. $M_0$6.08000×10^{14}							
IDC	Error ellipse: s-maj=98.6km s-min=57.1km az=4.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=36.1.							
TAP	B.							
JMA	Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.							
ISC	**VI**	**15 23 28 02.5–1.7**	**24.87N–.06**	**121.92E–.04**	**107–10**		**70**	**0-3**
ISCJB	VI	15 23 28 02.3–.68	24.86N–.04	121.93E–.03	107–5			**¶14395124**
JMA	VI	15 23 28 02.3–.30	24.99N	121.95E	103	2.7		
TAP	VI	15 23 28 02.0	24.89N	121.91E	109–0	3.3L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.3km s-min=3.8km az=158.4.							
JMA	Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.							
TAP	C.							
ISC	**VI**	**16 06 12 19.5–.96**	**24.46N–.02**	**121.96E–.02**	**14–8**		**57**	**0-3**
ISCJB	VI	16 06 12 19.1–.46	24.44N–.02	122.00E–.02	5–4			**¶14395138**
TAP	VI	16 06 12 19.9	24.45N	121.90E	21–0	3.0L		
JMA	VI	16 06 12 20.7–.10	24.53N	121.95E	37	2.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=147.2.							
TAP	B.							
JMA	Error ellipse: s-maj=7.8km s-min=1.0km az=-1.0.							
ISC	**VI**	**16 19 54 03.2–.89**	**23.34N–.02**	**121.40E–.02**	**30–5**		**100**	**0-3**
ISCJB	VI	16 19 54 03.0–.28	23.35N–.01	121.44E–.02	30–2			**¶13197173**
TAP	VI	16 19 54 03.2	23.36N	121.36E	35–0	3.3L		
JMA	VI	16 19 54 03.6–.40	23.34N	121.42E	56	3.3L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=35.6.							
TAP	B.							
JMA	Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.							
ISC	**VI**	**17 17 17 46.5–.60**	**23.45N–.01**	**120.64E–.02**	**17–3**	**3.7b,3.5s**	**159**	**0-84**
NIED	VI	17 17 17 00	23.40N	120.50E	5	4.5W,3.5s		**¶13197367**
IDC	VI	17 17 17 43.0–.89	23.37N	120.86E	0	3.9,3.7		
BJI	VI	17 17 17 44.5	23.46N	120.63E	10	4.4L,4.4b		
NEIC	VI	17 17 17 45.6	23.44N	120.65E	13	4.4L,3.9b		
TAP	VI	17 17 17 45.6	23.44N	120.65E	13–0	4.4L,3.9b		
ISCJB	VI	17 17 17 46.6–.19	23.44N–.01	120.61E–.01	21–2	3.7b,3.5s		
JMA	VI	17 17 17 46.4–.30	23.43N	120.52E	92	3.8,3.5s		
ISC	Event type se.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s243.00000°,δ85.00000°,λ-79.00000°. NP2:ϕ_s355.00000°,δ12.00000°,λ-157.00000°. $M_0$7.32000×10^{15}							
IDC	Error ellipse: s-maj=35.6km s-min=17.2km az=67.0.							
NEIC	Event type fe. Recorded [5 TAP] at Chia-i; [3 TAP] in T'ai-nan and Yun-lin; [2 TAP] in Chang-hua and P'eng-hu; [1 TAP] in T'ai-tung. After TAP.							
TAP	B.							
ISCJB	Event type fe. Error ellipse: s-maj=2.3km s-min=1.9km az=32.4.							
JMA	Error ellipse: s-maj=5.6km s-min=3.1km az=-1.0.							
ISC	**VI**	**18 03 05 53.6–.85**	**24.29N–.02**	**121.88E–.02**	**12–6**		**106**	**0-3**
NIED	VI	18 03 05 00	24.40N	121.70E	32	3.8W		**¶13197390**
ISCJB	VI	18 03 05 53.6–.39	24.29N–.01	121.88E–.02	2–3	3.8W		
JMA	VI	18 03 05 53.8–.30	24.43N	121.66E	51	3.5		
TAP	VI	18 03 05 54.2	24.29N	121.81E	14–0	4.0L		
ISC	Event type ke.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s196.00000°,δ78.00000°,λ-15.00000°. NP2:ϕ_s289.00000°,δ76.00000°,λ-167.00000°. $M_0$5.46000×10^{14}							
ISCJB	Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=39.3.							

JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.
TAP B.
ISC VI 19 06 30 44.4–.79 23.43N–.01 120.58E–.02 14–5 116 0-2
NIED VI 19 06 30 00 23.20N 120.70E 5 4.0W **¶13202160**
TAP VI 19 06 30 43.9 23.42N 120.60E 12–0 4.0L
ISCJB VI 19 06 30 44.9–.21 23.43N–.01 120.59E–.01 10–1 4.0L
NEIC VI 19 06 30 44.0–1.5 23.42N 120.59E 12–9 4.2L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ52.00000°,λ78.00000°. NP2:ϕ_s251.00000°,δ39.00000°,λ105.00000°. $M_0$1.11000×10^{15}
TAP B.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=19.1.
NEIC Event type fe. Error ellipse: s-maj=19.7km s-min=10.5km az=99.0. Recorded [2 TAP] in Chia-i, Nan-t'tou, T'ai-nan and Yun-lin; [1 TAP] in Chang-hua and Kao-hsiung.
ISC VI 20 22 23 19.1–1.1 23.48N–.02 121.66E–.02 24–13 93 0-4
ISCJB VI 20 22 23 19.6–.34 23.47N–.02 121.69E–.02 32–2 **¶14395394**
TAP VI 20 22 23 19.7 23.49N 121.62E 41–0 3.4L
JMA VI 20 22 23 20.7–.30 23.57N 121.76E 89 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=145.5.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC VI 22 10 48 26.9–.84 23.43N–.02 120.41E–.02 10–6 3.6b,3.4s 116 0-84
NIED VI 22 10 48 00 23.00N 120.40E 8 4.5W,3.4s **¶13217738**
BJI VI 22 10 48 25.3 23.44N 120.42E 10 4.6b,4.5b
IDC VI 22 10 48 25.6–1.1 23.17N 120.49E 0 3.7,3.6b
TAP VI 22 10 48 25.8 23.42N 120.42E 9–0 4.5L,3.6b
JMA VI 22 10 48 25.7–.30 22.98N 120.41E 54 4.2,3.6b
ISCJB VI 22 10 48 26.8–.29 23.42N–.01 120.39E–.02 12–2 3.5b,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ79.00000°,λ72.00000°. NP2:ϕ_s307.00000°,δ21.00000°,λ147.00000°. $M_0$7.25000×10^{15}
TAP B.
ISCJB Event type ke.
ISC VI 24 05 25 33.5–.83 25.02N–.04 121.84E–.03 130–5 3.3b 112 0-46
IDC VI 24 05 25 20.3–1.5 24.55N 121.03E 0 3.6,3.6L **¶13681946**
ISCJB VI 24 05 25 33.2–.42 24.99N–.03 121.85E–.03 130–2 3.2b,3.6L
TAP VI 24 05 25 33.6 25.01N 121.86E 128–0 4.2L,3.6L
JMA VI 24 05 25 34.3–.30 24.98N 121.89E 124 3.1,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=67.5km s-min=25.9km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.3km az=148.0.
TAP B.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
TAP VI 25 19 14 42.2 24.40N 121.82E 10–1 1.2L
¶14395618
TAP D.
ISC VI 28 01 26 14.8–.60 24.19N–.02 121.76E–.02 13–3 3.8b,3.2s 136 0-83
NIED VI 28 01 26 00 24.30N 121.60E 14 4.1W,3.2s **¶13307140**
BJI VI 28 01 26 13.5 24.21N 121.77E 12 4.5b,4.3b
ISCJB VI 28 01 26 14.2–.36 24.18N–.01 121.81E–.02 5–2 3.7b,3.3s
TAP VI 28 01 26 14.5 24.18N 121.75E 11–0 4.4L,3.3s
JMA VI 28 01 26 14.5–.40 24.32N 121.60E 65 3.9,3.3s
IDC VI 28 01 26 24.5–4.7 24.21N 121.94E 110–47 3.5,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ50.00000°,λ-113.00000°. NP2:ϕ_s245.00000°,δ45.00000°,λ-65.00000°. $M_0$1.44000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=42.2.
TAP B.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=15.0km az=69.0.
ISC VI 28 05 44 36.7–.56 24.16N–.02 121.76E–.02 12–3 4.1b,3.4s 170 0-96
NIED VI 28 05 44 00 24.10N 121.60E 23 4.2W,3.4s **¶13307166**
BJI VI 28 05 44 34.3 24.16N 121.83E 6 4.6L,4.5b
NEIC VI 28 05 44 35.7–.63 24.13N 121.82E 10 4.7L,4.4b
ISCJB VI 28 05 44 36.4–.33 24.17N–.01 121.82E–.02 5–2 4.0b,3.5s
TAP VI 28 05 44 36.9 24.18N 121.75E 12–0 4.7L,3.5s
JMA VI 28 05 44 37.1–.30 24.07N 121.64E 53 4.1,3.5s
IDC VI 28 05 44 45.8–4.0 24.13N 121.75E 97–38 3.9,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s358.00000°,δ63.00000°,λ-126.00000°. NP2:ϕ_s236.00000°,δ44.00000°,λ-41.00000°. $M_0$2.65000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=6.5km az=118.0. Recorded [4 TAP] in Hua-lien; [3 TAP] in I-lan and Nan-t'ou; [2 TAP] in T'ai-chung; [1 TAP] in Chang-hua, Miao-li, T'ao-yuan and Yun-lin.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=37.2.
TAP B.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=17.7km s-min=13.4km az=79.0.
ISC VI 28 07 09 53.2–.93 24.15N–.02 121.79E–.03 12–6 3.3b 91 0-49
IDC VI 28 07 09 52.4–1.5 23.77N 121.19E 0 3.6,3.5 **¶14395751**
ISCJB VI 28 07 09 53.4–.45 24.17N–.02 121.80E–.02 2–3 3.3b,3.5
TAP VI 28 07 09 53.9 24.18N 121.74E 13–0 4.0L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=72.6km s-min=26.0km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.2km az=23.4.
TAP B.
ISC VI 28 07 55 58.5–.81 24.16N–.02 121.77E–.02 14–5 3.6b,3.2s 106 0-78
NIED VI 28 07 55 00 24.40N 121.50E 11 4.1W,3.2s **¶13307192**
IDC VI 28 07 55 56.9–1.2 23.94N 121.31E 0 3.8,3.7
BJI VI 28 07 55 56.2 24.16N 121.77E 4 4.4b,4.0L
JMA VI 28 07 55 57.4–.40 24.37N 121.53E 57 3.5,4.0L
ISCJB VI 28 07 55 58.7–.39 24.17N–.02 121.81E–.02 5–2 3.5b,3.2s
TAP VI 28 07 55 59.0 24.18N 121.75E 10–0 4.1L,3.2s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ66.00000°,λ98.00000°. NP2:ϕ_s218.00000°,δ26.00000°,λ74.00000°. $M_0$1.73000×10^{15}
IDC Error ellipse: s-maj=71.6km s-min=20.3km az=68.0.
JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=40.6.
TAP B.
TAP VI 28 07 58 26.2 24.18N 121.73E 11–0 3.6L
¶14395760
TAP B.
TAP VI 28 08 51 48.8 24.19N 121.74E 11–0 3.6L
¶14395763
TAP B.
TAP VI 28 09 34 22.8 24.19N 121.72E 11–1 2.4L
¶13307206
TAP D.
ISC VI 28 09 34 57.1–.32 24.17N–.02 121.78E–.02 17–1 5.0b,4.8s 569 0-168
NIED VI 28 09 34 00 24.00N 121.60E 38 5.1W,4.8s **¶14395767**
BJI VI 28 09 34 53.6 24.16N 121.88E 10 5.5L,5.3s
IDC VI 28 09 34 53.5–.42 24.22N 121.73E 0 4.7,4.6
JMA VI 28 09 34 54.7–.40 23.96N 121.61E 33 5.5,4.6
ISCJB VI 28 09 34 56.6–.21 24.21N–.01 121.78E–.01 24–1 4.9b,4.7s
NEIC VI 28 09 34 56.5–.78 24.17N 121.72E 14–4 5.3L,5.1b
TAP VI 28 09 34 56.2 24.18N 121.75E 13–0 5.3L,5.1b
MOS VI 28 09 34 57.6–1.2 24.20N 121.74E 33 5.2b,4.9s
GCMT VI 28 09 34 57.2–.20 24.13N 121.75E 15–1 5.1W,4.9s
DJA VI 28 09 35 04.3–2.3 24N–5.0 122E–5.0 63–23 5.5b,4.9b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s63.00000°,δ84.00000°,λ114.00000°. NP2:ϕ_s167.00000°,δ25.00000°,λ15.00000°. $M_0$4.75000×10^{16}
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Taipei. Also felt at Hua-lien, I-lan, T'ai-chung and Wu-ch'i. Recorded [5 TAP] in Hua-lien and I-lan; [3 TAP] in Nan-t'ou and T'ai-chung; [2 TAP] at Tou-liu and in Chia-i, T'ao-yuan and Yun-lin; [1 TAP] in Chang-hua, Hsin-chu, Miao-li, T'ai-nan, T'ai-pei and T'ai-tung.
TAP B.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s44,c62; s67,c108; Moment tensor: Scale 10^{16}Nm; M_{rr}2.86±.17 $M_{\theta\theta}$-1.63±.11; $M_{\phi\phi}$-1.23±.13; $M_{r\theta}$4.03±.36; $M_{\theta\phi}$-2.38±.09; $M_{\phi r}$2.67±.31; Best double couple: NP1:ϕ_s214.00000°,δ18.00000°,λ69.00000°. NP2:ϕ_s56.00000°,δ73.00000°,λ97.00000°. Principal axes: T 5.4500,Plg62.0000° ,Azm336.0000°; N 0.8700,Plg6.0000°,Azm234.0000°; P -6.3200,Plg28.0000°,Azm141.0000° $M_0$5.90000×10^{16}
TAP VI 28 09 35 15.8 24.22N 121.74E 12–2 4.5L
¶14395769
TAP D.
TAP VI 28 09 38 05.5 24.19N 121.75E 12–0 3.6L
¶14395773
TAP B.
ISC VI 28 09 46 22.0–.84 24.20N–.02 121.75E–.02 14–5 87 0-2
ISCJB VI 28 09 46 21.5–.40 24.18N–.02 121.81E–.02 3–3 **¶14395786**
JMA VI 28 09 46 21.7–.40 24.20N 121.61E 58 2.9
TAP VI 28 09 46 22.0 24.20N 121.75E 12–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=38.7.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
TAP B.
ISC VI 28 09 50 32.2–.86 24.16N–.02 121.76E–.02 11–6 98 0-46
IDC VI 28 09 50 30.8–1.7 23.73N 121.14E 0 3.5,3.4 **¶13682189**
JMA VI 28 09 50 32.2–.40 24.13N 121.61E 68 2.8,3.4
TAP VI 28 09 50 32.5 24.18N 121.73E 10–0 3.8L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=74.0km s-min=29.9km az=68.0.
JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.
TAP B.
ISC VI 28 09 52 46.6–.36 24.18N–.02 121.78E–.02 16–1 4.5b,4.5s 343 0-96
NIED VI 28 09 52 00 24.10N 121.70E 35 4.8W,4.5s **¶13383585**
IDC VI 28 09 52 43.2–.52 24.18N 121.79E 0 4.3,4.2
BJI VI 28 09 52 43.0 24.21N 121.83E 4 5.0b,4.9s
JMA VI 28 09 52 44.4–.40 24.05N 121.68E 17 5.0,4.9s
TAP VI 28 09 52 45.3 24.18N 121.77E 14–0 4.8L,4.9s
NEIC VI 28 09 52 45.6–.87 24.15N 121.76E 12–5 4.8L,4.7b
ISCJB VI 28 09 52 46.1–.23 24.20N–.01 121.80E–.02 21–1 4.4s,4.4b
MOS VI 28 09 52 47.0–1.0 24.27N 121.83E 33 4.9b,4.7s
DJA VI 28 09 52 53.9–6.9 24N–9.0 122E–7.0 61–78 4.5,4.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s65.00000°,δ79.00000°,λ107.00000°. NP2:ϕ_s186.00000°,δ20.00000°,λ33.00000°. $M_0$1.89000×10^{16}
TAP B.
NEIC Event type fe. Felt at Chang-hua, Hsin-chu and Taipei. Recorded [4 TAP] in Hua-lien and I-lan; [3 TAP] in Nan-t'ou; [2 TAP] in T'ai-chung and T'ao-yuan; [1 TAP] at Tou-liu and in Chang-hua, Hsin-chu, T'ai-pei and Yun-lin.
ISCJB Event type fe.
TAP VI 28 09 55 12.8 24.20N 121.76E 14–0 3.8L
¶14395795
TAP B.
ISC VI 28 10 06 24.6–.82 24.17N–.02 121.79E–.02 14–5 99 0-46
IDC VI 28 10 06 22.6–1.7 23.77N 121.34E 0 3.5,3.4 **¶14395819**
TAP VI 28 10 06 24.9 24.19N 121.76E 14–0 3.8L,3.4
JMA VI 28 10 06 25.3–.40 24.33N 121.67E 67 3.1,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=73.8km s-min=30.0km az=67.0.
TAP B.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
TAP VI 28 10 11 36.7 24.20N 121.75E 13–0 3.0L
¶13307210
TAP C.
ISC VI 28 10 11 51.0–.81 24.21N–.02 121.77E–.02 17–5 3.8b 126 0-74
NIED VI 28 10 11 00 24.20N 121.60E 20 4.0W **¶14395832**
IDC VI 28 10 11 47.4–.92 24.27N 122.06E 0 3.8,3.7
JMA VI 28 10 11 50.2–.30 24.18N 121.60E 63 3.7,3.7
ISCJB VI 28 10 11 51.6–.29 24.20N–.01 121.82E–.02 16–3 3.6b,3.7
TAP VI 28 10 11 51.2 24.20N 121.76E 14–0 4.2L,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ64.00000°,λ89.00000°. NP2:ϕ_s227.00000°,δ26.00000°,λ92.00000°. $M_0$1.20000×10^{15}
IDC Error ellipse: s-maj=33.0km s-min=18.3km az=65.0.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=35.3.
TAP B.
TAP VI 28 10 12 30.8 24.20N 121.73E 10–0 3.8L
¶14395834
TAP C.
TAP VI 28 10 14 20.6 24.20N 121.75E 13–0 3.6L
¶14395836
TAP B.
ISC VI 28 10 19 15.5–.85 24.20N–.02 121.78E–.02 13–6 80 0-3
ISCJB VI 28 10 19 14.8–.47 24.17N–.02 121.83E–.02 2–3 **¶14395847**
JMA VI 28 10 19 14.8–.30 24.14N 121.63E 65 2.7
TAP VI 28 10 19 15.5 24.19N 121.76E 13–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=140.7.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
TAP B.
TAP VI 28 10 40 48.6 24.17N 121.74E 12–0 2.8L
¶13367421
TAP C.
TAP VI 28 10 40 55.9 24.21N 121.76E 13–0 2.9L
¶14395873
TAP C.
ISC VI 28 10 41 51.0–.82 24.20N–.02 121.78E–.02 17–5 3.7b 123 0-74
IDC VI 28 10 41 47.6–1.6 24.27N 122.03E 0 3.8,3.7 **¶14395875**
ISCJB VI 28 10 41 50.9–.34 24.18N–.01 121.83E–.02 8–2 3.6b,3.7
JMA VI 28 10 41 50.7–.30 24.35N 121.66E 78 3.3,3.7
TAP VI 28 10 41 51.3 24.20N 121.76E 14–0 4.0L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=130.1km s-min=18.7km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=29.5.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP B.
ISC VI 28 11 08 01.6–.89 24.17N–.02 121.78E–.02 12–6 92 0-3
ISCJB VI 28 11 08 01.5–.39 24.18N–.01 121.82E–.02 6–2 **¶13307222**
TAP VI 28 11 08 01.9 24.19N 121.75E 13–0 3.8L
JMA VI 28 11 08 02.1–.60 24.06N 121.76E 21 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=41.4.
TAP B.
JMA Error ellipse: s-maj=7.8km s-min=5.1km az=-1.0.
ISC VI 28 11 36 11.4–.58 24.15N–.02 121.82E–.02 13–3 3.8b,3.5s 141 0-79
NIED VI 28 11 36 00 24.30N 121.60E 56 4.3W,3.5s **¶13307229**
IDC VI 28 11 36 08.6–.92 24.22N 121.89E 0 3.9,3.7
BJI VI 28 11 36 09.2 24.17N 121.83E 4 4.5L,4.4b
TAP VI 28 11 36 11.7 24.17N 121.73E 11–0 4.4L,4.4b
ISCJB VI 28 11 36 11.3–.35 24.16N–.01 121.80E–.02 6–2 3.7b,3.5s
JMA VI 28 11 36 11.7–.20 24.30N 121.65E 80 3.6,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s61.00000°,δ79.00000°,λ134.00000°. NP2:ϕ_s163.00000°,δ45.00000°,λ15.00000°. $M_0$2.86000×10^{15}
IDC Error ellipse: s-maj=32.5km s-min=18.4km az=66.0.
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=35.1.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP VI 28 12 20 49.4 24.19N 121.76E 14–0 2.6L
¶14395992
TAP C.
TAP VI 28 12 21 06.3 24.21N 121.75E 12–1 2.4L
¶14395994
TAP D.
TAP VI 28 15 44 43.8 24.19N 121.76E 14–0 3.1L
¶14396142

TAP B.
TAP VI 28 15 44 50.4 24.20N 121.73E 15–0 3.2L ¶14396144
TAP D.
ISC VI 28 16 15 03.6–.78 24.19N–.02 121.79E–.02 17–5 3.5b 123 0-74
JMA VI 28 16 15 03.5–.40 24.15N 121.65E 56 3.4 **¶13316583**
TAP VI 28 16 15 03.9 24.20N 121.76E 15–0 4.0L
ISCJB VI 28 16 15 04.2–.31 24.18N–.02 121.82E–.02 15–4 3.5b,3.2s
IDC VI 28 16 15 15.4–6.3 24.25N 121.96E 134–65 3.3s,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=37.7.
IDC Error ellipse: s-maj=35.8km s-min=15.9km az=65.0.
ISC VI 28 16 17 38.9–.86 24.17N–.02 121.80E–.02 14–6 94 0-3
ISCJB VI 28 16 17 38.6–.42 24.17N–.01 121.83E–.02 5–3 **¶13316585**
JMA VI 28 16 17 39.1–.20 24.41N 121.69E 79 2.7
TAP VI 28 16 17 39.2 24.19N 121.76E 14–0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=40.0.
JMA Error ellipse: s-maj=7.8km s-min=2.0km az=-1.0.
TAP B.
ISC VI 28 16 40 17.6–.85 24.18N–.02 121.78E–.02 14–6 92 0-2
JMA VI 28 16 40 16.1–.50 24.09N 121.61E 37 2.3 **¶14396188**
ISCJB VI 28 16 40 17.5–.37 24.18N–.01 121.81E–.02 9–2 2.3
TAP VI 28 16 40 17.7 24.20N 121.76E 14–0 3.1L
ISC Event type ke.
JMA Error ellipse: s-maj=8.9km s-min=4.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=34.7.
TAP B.
ISC VI 28 17 02 10.4–.51 24.16N–.02 121.78E–.02 19–1 4.0b,3.8s 197 0-83
NIED VI 28 17 02 00 24.30N 121.60E 35 4.6W,3.8s **¶13367474**
IDC VI 28 17 02 07.1–.61 24.23N 121.92E 0 4.0,4.0b
BJI VI 28 17 02 08.6 24.16N 121.84E 18 4.7b,4.6s
NEIC VI 28 17 02 09.3–.90 24.15N 121.79E 15–5 4.5L,4.3b
JMA VI 28 17 02 09.7–.30 24.31N 121.63E 76 4.7,4.3b
TAP VI 28 17 02 10.2 24.17N 121.75E 13–0 4.5L,4.3b
ISCJB VI 28 17 02 10.3–.25 24.17N–.02 121.79E–.02 23–2 4.0b,3.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S66.00000°,δ74.00000°,λ110.00000°. NP2:ϕ_S194.00000°,δ25.00000°,λ41.00000°. $M_0$9.33000×10^{15}
NEIC Event type fe. Recorded [4 TAP] in Hua-lien and I-lan; [3 TAP] in Nan-t'ou; [2 TAP] in T'ai-chung; [1 TAP] in Hsin-chu, T'ai-pei and T'ao-yuan.
TAP B.
ISCJB Event type fe.
TAP VI 28 17 02 19.0 24.18N 121.73E 4–2 4.5L ¶13360670
TAP C.
TAP VI 28 17 02 36.8 24.23N 121.73E 15–1 4.2L ¶14396225
TAP D.
ISC VI 28 17 07 05.0–.89 24.15N–.02 121.78E–.02 11–6 103 0-3
JMA VI 28 17 07 03.9–.40 24.07N 121.62E 38 3.1 **¶14396237**
ISCJB VI 28 17 07 04.5–.39 24.16N–.01 121.82E–.02 4–2 3.1
TAP VI 28 17 07 05.1 24.18N 121.75E 14–0 3.8L
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=39.3.
TAP B.
ISC VI 28 17 10 01.5–.80 24.17N–.02 121.76E–.02 15–5 3.8b 133 0-83
JMA VI 28 17 10 00.7–.30 24.20N 121.57E 57 3.7 **¶14396241**
NIED VI 28 17 10 00 24.20N 121.60E 5 4.5W
BJI VI 28 17 10 01.7 24.20N 121.73E 16 4.4b,4.1L
TAP VI 28 17 10 01.9 24.18N 121.74E 12–0 4.3L,4.1L
ISCJB VI 28 17 10 02.3–.28 24.18N–.02 121.79E–.02 16–3 3.7b,4.1L
IDC VI 28 17 10 06.0–5.2 24.09N 121.77E 53–48 3.7,3.6
ISC Event type ke.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S64.00000°,δ79.00000°,λ90.00000°. NP2:ϕ_S245.00000°,δ11.00000°,λ92.00000°. $M_0$6.13000×10^{15}
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=39.1.
IDC Error ellipse: s-maj=27.6km s-min=16.2km az=70.0.
TAP VI 28 17 13 53.3 24.18N 121.75E 13–0 3.6L ¶14396249
TAP B.
ISC VI 28 17 26 32.6–.55 24.17N–.02 121.79E–.02 16–3 3.9b,3.7s 144 0-83
NIED VI 28 17 26 00 24.20N 121.60E 20 4.4W,3.7s **¶14396267**
BJI VI 28 17 26 29.7 24.18N 121.88E 17 4.6b,4.3b
JMA VI 28 17 26 31.6–.40 24.16N 121.59E 53 3.8,4.3b
TAP VI 28 17 26 32.7 24.19N 121.75E 14–0 4.4L,4.3b
ISCJB VI 28 17 26 33.0–.26 24.18N–.01 121.81E–.02 20–2 3.8b,3.7s
IDC VI 28 17 26 39.3–5.5 24.11N 121.72E 75–52 3.7s,3.7
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S56.00000°,δ66.00000°,λ88.00000°. NP2:ϕ_S242.00000°,δ24.00000°,λ95.00000°. $M_0$4.13000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
TAP B.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=31.8.
IDC Error ellipse: s-maj=25.5km s-min=15.4km az=67.0.
ISC VI 28 17 30 08.2–.89 24.15N–.02 121.78E–.02 15–6 3.4b 78 0-49
IDC VI 28 17 30 06.5–1.2 23.90N 121.21E 0 3.6,3.5 **¶13316598**
ISCJB VI 28 17 30 09.0–.34 24.15N–.02 121.80E–.02 16–4 3.3b,3.5
JMA VI 28 17 30 08.8–.30 24.25N 121.67E 64 3.2,3.5
TAP VI 28 17 30 08.6 24.18N 121.76E 14–0 3.9L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=71.4km s-min=19.6km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=43.0.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP B.
TAP VI 28 17 30 12.9 24.20N 121.75E 14–0 4.2L ¶14396275
TAP C.
ISC VI 28 18 56 16.4–.90 24.16N–.02 121.81E–.02 11–7 96 0-3
ISCJB VI 28 18 56 15.8–.40 24.15N–.02 121.83E–.02 6–3 **¶13367487**
JMA VI 28 18 56 16.1–.20 24.24N 121.66E 69 2.8
TAP VI 28 18 56 16.4 24.18N 121.76E 14–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=136.7.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP B.
ISC VI 28 19 10 52.6–.79 24.16N–.02 121.78E–.02 16–5 3.8b 124 0-83
NIED VI 28 19 10 00 24.20N 121.60E 5 4.3W **¶14396416**
BJI VI 28 19 10 52.4 24.18N 121.85E 9 4.2L,4.1b
JMA VI 28 19 10 52.6–.30 24.20N 121.65E 66 3.5,4.1b
ISCJB VI 28 19 10 53.2–.26 24.18N–.01 121.81E–.02 20–2 3.7b,2.8s
TAP VI 28 19 10 53.0 24.18N 121.74E 13–0 4.2L,2.8s
IDC VI 28 19 11 02.3–6.0 24.13N 121.67E 107–58 3.5,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S64.00000°,δ80.00000°,λ87.00000°. NP2:ϕ_S260.00000°,δ10.00000°,λ105.00000°. $M_0$2.75000×10^{15}
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=32.9.
TAP B.
IDC Error ellipse: s-maj=30.6km s-min=15.0km az=71.0.
TAP VI 28 19 14 42.9 24.22N 121.75E 12–0 2.7L ¶14396423
TAP D.
TAP VI 28 19 14 46.1 24.20N 121.72E 10–1 2.7L ¶14396424
TAP D.
ISC VI 28 20 11 32.5–.85 24.19N–.02 121.75E–.02 11–6 88 0-3
JMA VI 28 20 11 31.4–.30 23.92N 121.71E 15 3.0 **¶13367496**
ISCJB VI 28 20 11 32.0–.43 24.18N–.02 121.79E–.02 1–3 3.0
TAP VI 28 20 11 32.7 24.20N 121.73E 9–0 3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=43.9.
TAP B.
ISC VI 28 20 50 40.4–.86 24.15N–.02 121.77E–.02 14–6 84 0-2
JMA VI 28 20 50 39.4–.50 23.99N 121.66E 32 2.6 **¶14396510**
TAP VI 28 20 50 40.5 24.17N 121.74E 14–0 3.5L
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=4.1km az=-1.0.
TAP B.
ISC VI 29 00 13 49.3–.86 24.19N–.02 121.79E–.02 13–6 90 0-3
ISCJB VI 29 00 13 48.8–.41 24.18N–.02 121.84E–.02 5–3 **¶13367521**
TAP VI 29 00 13 49.4 24.20N 121.77E 15–0 3.7L
JMA VI 29 00 13 49.8–.30 24.09N 121.77E 27 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=43.2.
TAP B.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC VI 29 01 06 06.3–.86 24.20N–.02 121.79E–.02 14–6 73 0-3
JMA VI 29 01 06 06.7–.50 24.04N 121.72E 27 2.9 **¶14396613**
TAP VI 29 01 06 06.8 24.21N 121.75E 10–0 3.6L
ISC Event type ke.
JMA Error ellipse: s-maj=7.8km s-min=4.1km az=-1.0.
TAP B.
TAP VI 29 01 37 13.3 24.20N 121.72E 10–0 3.8L ¶13367523
TAP B.
ISC VI 29 06 38 55.4–.80 24.18N–.02 121.76E–.02 13–5 3.5b 119 0-83
NIED VI 29 06 38 00 24.10N 121.70E 8 4.1W **¶13316688**
IDC VI 29 06 38 53.0–.91 24.12N 121.89E 0 3.8,3.6
ISCJB VI 29 06 38 55.2–.35 24.19N–.01 121.80E–.02 6–2 3.5b,3.6
JMA VI 29 06 38 55.8–.60 24.06N 121.74E 19 3.5,3.6
TAP VI 29 06 38 55.6 24.20N 121.73E 11–0 4.2L,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S50.00000°,δ74.00000°,λ85.00000°. NP2:ϕ_S247.00000°,δ17.00000°,λ106.00000°. $M_0$1.49000×10^{15}
IDC Error ellipse: s-maj=42.5km s-min=18.4km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=36.9.
JMA Error ellipse: s-maj=6.7km s-min=5.1km az=-1.0.
TAP B.
ISC VI 29 12 12 12.1–.88 24.16N–.02 121.76E–.03 11–6 3.4b 106 0-49
IDC VI 29 12 12 10.8–1.2 23.84N 121.16E 0 3.6,3.4 **¶13316730**
TAP VI 29 12 12 12.7 24.19N 121.73E 9–0 3.9L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=71.3km s-min=19.5km az=68.0.
TAP B.
TAP VI 29 16 57 04.8 24.19N 121.72E 13–2 1.8L ¶14396768
TAP D.
TAP VI 29 16 57 10.7 24.22N 121.73E 15–1 1.7L ¶14396769
TAP D.
TAP VI 29 21 11 54.0 24.18N 121.75E 8–1 1.8L ¶14396807
TAP D.
TAP VI 29 21 12 02.1 24.21N 121.74E 14–1 1.9L ¶14396808
TAP C.
ISC VI 30 15 25 56.1–1.0 24.16N–.02 121.82E–.02 6–9 82 0-2
ISCJB VI 30 15 25 56.3–.42 24.20N–.02 121.82E–.02 5–3 **¶14396906**
JMA VI 30 15 25 56.9–.60 23.99N 121.91E 0 2.4
TAP VI 30 15 25 56.6 24.21N 121.76E 12–0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=34.6.
JMA Error ellipse: s-maj=6.7km s-min=4.1km az=-1.0.
TAP B.

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ISC I 09 09 26 54.1–.98 25.9N–.10 124.32E–.07 192–10 3.5b 37 1-47
ISCJB I 09 09 26 53.5–.53 25.92N–.10 124.30E–.07 191–9 3.6b **¶12080826**
JMA I 09 09 26 55.5–.30 25.97N 124.22E 174 4.0
IDC I 09 09 26 56.4–6.7 26.12N 124.64E 214–87 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=5.1km az=147.4.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=107.2km s-min=20.5km az=61.0.
ISC I 24 11 52 56.3–1.0 26.4N–.20 124.8E–.10 169–29 3.2b 27 2-40
IDC I 24 11 52 56.5–3.7 25.67N 126.03E 288–176 2.8b,2.8 **¶12082212**
JMA I 24 11 52 57.4–.30 26.33N 124.70E 171 3.3,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=322.0km s-min=66.8km az=106.0.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC I 25 04 31 09.8–.78 25.6N–.20 124.7E–.10 147–15 3.6b 31 1-80
IDC I 25 04 31 05.7–6.5 24.86N 124.65E 143–40 3.4,3.3 **¶12082280**
ISCJB I 25 04 31 08.9–.46 25.6N–.10 124.65E–.09 147–11 3.5b,3.3
JMA I 25 04 31 10.7–.20 25.64N 124.56E 129 3.3,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=90.4km s-min=34.1km az=9.0.
ISCJB Event type ke. Error ellipse: s-maj=24.4km s-min=5.7km az=148.3.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
JMA I 31 19 42 13.0–.20 25.66N 123.34E 197 3.8 ¶15537192
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
JMA II 04 03 57 52.0–.70 25.20N 123.41E 113 ¶13863934
JMA Error ellipse: s-maj=6.7km s-min=5.0km az=-1.0.
JMA II 09 16 26 42.9–.40 26.62N 124.86E 189 3.8 ¶15540551
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
JMA II 17 19 07 21.9–.20 25.51N 123.43E 174 3.5 ¶15543396
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
JMA II 19 19 07 43.1–.20 26.11N 124.86E 143 3.5 ¶15544392
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC II 25 23 56 00.9–.90 26.03N–.09 125.31E–.08 115–11 3.7b 35 1-80
ISCJB II 25 23 55 59.8–.41 26.00N–.07 125.34E–.07 121–6 3.6b **¶12701875**
IDC II 25 23 55 59.3–2.7 25.99N 125.33E 99–26 3.6,3.4
JMA II 25 23 56 01.0–.10 26.08N 125.24E 108 3.3,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=4.1km az=140.7.
IDC Error ellipse: s-maj=24.1km s-min=16.5km az=59.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
JMA III 11 23 55 14.0–.30 25.73N 124.04E 207 3.8 ¶15551241
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC III 14 09 33 15.3–.79 25.6N–.10 124.28E–.07 189–11 3.6b 39 1-72
IDC III 14 09 33 12.9–5.2 25.52N 124.19E 163–46 3.5b,3.5 **¶12703239**
ISCJB III 14 09 33 14.3–.41 25.6N–.10 124.20E–.08 186–11 3.7b,3.5
JMA III 14 09 33 16.6–.30 25.60N 124.11E 172 3.8,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=65.5km s-min=40.1km az=13.0.
ISCJB Event type ke. Error ellipse: s-maj=21.9km s-min=5.9km az=151.2.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC V 01 10 54 30.0–.84 26.52N–.04 124.79E–.03 16–5 4.5b,3.4s 172 2-145
NIED V 01 10 54 00 26.50N 124.80E 5 4.3W,3.4s **¶12754042**
JMA V 01 10 54 26.8–.20 26.52N 124.76E 2 4.2,3.4s

BJI V 01 10 54 26.4 26.15N 124.92E 16 4.5L,4.5b
ISCJB V 01 10 54 30.3–1.1 26.54N–.03 124.70E–.03 25–8 4.4b,3.4s
MOS V 01 10 54 31.4–.94 26.60N 124.78E 33 4.8b,3.4s
NEIC V 01 10 54 34.2–.47 26.58N 124.65E 41–5 4.6b,3.4s
IDC V 01 10 54 36.6–3.0 26.65N 124.71E 62–25 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S62.00000°,δ71.00000°,λ-95.00000°. NP2:ϕ_S258.00000°,δ20.00000°,λ-75.00000°. $M_0$3.07000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.7km az=34.5.
MOS Error ellipse: s-maj=12.0km s-min=6.5km az=113.6.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=143.0.
IDC Error ellipse: s-maj=16.8km s-min=16.0km az=38.0.
ISC V 15 08 46 29.4–.84 25.63N–.08 124.75E–.06 128–9 3.7b 38 1-80
NIED V 15 08 46 00 25.70N 124.60E 135 3.8W **¶13678986**
ISCJB V 15 08 46 28.3–.41 25.62N–.07 124.75E–.06 129–6 3.6b
JMA V 15 08 46 30.2–.30 25.74N 124.61E 97 3.8
IDC V 15 08 46 33.0–4.9 25.63N 124.64E 157–48 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S31.00000°,δ81.00000°,λ-66.00000°. NP2:ϕ_S141.00000°,δ26.00000°,λ-159.00000°. $M_0$5.89000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=4.3km az=144.2.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=29.4km s-min=15.4km az=74.0.
JMA V 25 10 13 11.6–.30 26.08N 124.32E 153 3.5
¶15428986
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
JMA VI 02 12 39 53.9–.40 27.02N 125.90E 180 3.7
¶15431833
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISC VI 13 11 16 37.8–.80 25.28N–.06 124.39E–.06 6 3.6b 14 1-94
ISCJB VI 13 11 16 36.5–.62 25.32N–.04 124.39E–.07 6 3.4b,2.8s **¶13681278**
JMA VI 13 11 16 37.1–.20 25.31N 124.38E 6 3.1,2.8s
IDC VI 13 11 16 48.1–5.7 25.22N 124.21E 92–53 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.7km az=161.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=35.1km s-min=22.2km az=71.0.
ISC VI 20 07 33 27.1–.88 25.28N–.09 123.55E–.07 136–9 3.3b 35 1-81
NIED VI 20 07 33 00 25.10N 123.50E 140 4.2W **¶13681705**
ISCJB VI 20 07 33 26.3–.57 25.25N–.07 123.58E–.06 140–6 3.3b
JMA VI 20 07 33 29.0–.20 25.11N 123.54E 130–4 3.6
IDC VI 20 07 33 31.0–21 25.21N 123.55E 170–213 3.4,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S171.00000°,δ83.00000°,λ-29.00000°. NP2:ϕ_S265.00000°,δ61.00000°,λ-172.00000°. $M_0$2.45000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=5.8km az=142.5.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=92.3km s-min=15.9km az=73.0.
ISC VI 26 07 24 29.5–.82 26.4N–.10 125.14E–.09 186–13 3.6b 38 1-78
IDC VI 26 07 23 56.9–3.6 24.39N 125.21E 0 3.9,3.8 **¶15441444**
ISCJB VI 26 07 24 28.7–.39 26.26N–.09 125.28E–.07 199–8 3.4b,3.8
JMA VI 26 07 24 30.6–.30 26.51N 125.01E 166 4.2,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=81.9km s-min=39.7km az=180.0.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=4.2km az=145.9.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
JMA VI 26 19 16 47.2–.50 26.51N 124.25E 194 4.1
NIED VI 26 19 16 00 26.50N 124.20E 140 4.3W **¶14494174**
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S238.00000°,δ71.00000°,λ-151.00000°. NP2:ϕ_S138.00000°,δ63.00000°,λ-21.00000°. $M_0$3.35000×10^{15}

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ISC I 04 13 36 22.2–.83 23.99N–.07 123.59E–.03 30–5 4.4b,3.6s 106 0-95
NIED I 04 13 36 00 24.00N 123.60E 35 4.5W,3.6s **¶13404602**
BJI I 04 13 36 14.3 23.52N 123.87E 14 4.7b,4.2s
IDC I 04 13 36 17.7–.64 24.06N 123.55E 0 4.2b,4.2
JMA I 04 13 36 22.6–.10 23.96N 123.58E 32–1 4.5,4.2
NEIC I 04 13 36 22.3–2.4 24.07N 123.61E 31–17 4.5b,4.4W
ISCJB I 04 13 36 22.3–.46 24.03N–.05 123.59E–.04 44–4 4.2b,3.6s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S52.00000°,δ72.00000°,λ82.00000°. NP2:ϕ_S256.00000°,δ19.00000°,λ113.00000°. $M_0$5.55000×10^{15}
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] on Iriomote-jima and [1 JMA] on Hateruma-jima and Ishigaki-jima. Moment Tensor Solution. $M_0$5.60000×10^{15}
ISCJB Event type fe.
ISC I 06 03 37 41.9–.56 24.20N–.04 124.08E–.03 25–3 4.6b,3.8s 228 0-144
NIED I 06 03 37 00 24.20N 124.10E 14 4.4W,3.8s **¶13404627**
ISCJB I 06 03 37 39.9–.40 24.16N–.03 124.09E–.02 23–2 4.5b,4.0s
BJI I 06 03 37 40.0 23.89N 124.18E 35 4.7b,4.3s
JMA I 06 03 37 40.1–.10 24.20N 124.12E 17–1 4.8,4.3s
IDC I 06 03 37 41.7–4.0 24.27N 124.12E 27–27 4.3,4.2
MOS I 06 03 37 41.3–1.2 24.17N 124.05E 33 4.7b,4.2
NEIC I 06 03 37 43.6–.69 24.17N 124.04E 40–6 4.9b,4.3W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S254.00000°,δ60.00000°,λ-142.00000°. NP2:ϕ_S142.00000°,δ58.00000°,λ-37.00000°. $M_0$3.83000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=2.8km az=160.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=19.9km s-min=12.6km az=72.0.
MOS Error ellipse: s-maj=11.8km s-min=7.2km az=111.8.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=6.0km az=136.0. Recorded [2 JMA] on Hateruma-jima, Iriomote-jima and Ishigaki-jima and [1 JMA] on Tarama-shima. Moment Tensor Solution. $M_0$3.80000×10^{15}
ISC I 09 10 59 44.5–.88 24.8N–.10 125.03E–.07 43–8 3.5b 19 0-81
IDC I 09 10 59 39.1–1.3 24.99N 125.28E 0 3.7,3.6b **¶12080831**
JMA I 09 10 59 39.2–.20 24.21N 125.21E 0 3.6,3.6b
ISCJB I 09 10 59 43.2–.62 24.7N–.10 125.07E–.07 51–5 3.6b,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC I 19 17 07 44.8–2.0 24.12N–.06 125.24E–.04 13–12 4.3b 104 1-85
NIED I 19 17 07 00 24.10N 125.10E 32 4.4W **¶12081780**
BJI I 19 17 07 42.6 23.87N 125.54E 35 4.8b,4.4s
IDC I 19 17 07 43.4–.63 24.26N 125.07E 0 4.2,4.2
JMA I 19 17 07 48.3–.20 24.13N 125.13E 40 4.6,4.2
NEIC I 19 17 07 49.5–1.3 24.23N 125.19E 46–12 4.7b,4.4W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S18.00000°,δ83.00000°,λ-173.00000°. NP2:ϕ_S287.00000°,δ83.00000°,λ-7.00000°. $M_0$4.43000×10^{15}
IDC Error ellipse: s-maj=18.1km s-min=14.4km az=79.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=8.1km az=155.0. Recorded [1 JMA] on Miyako-jima. Moment Tensor Solution. $M_0$4.40000×10^{15}
ISC I 21 04 33 21.6–1.3 24.4N–.10 125.14E–.06 41–11 3.8b 25 0-81
NIED I 21 04 33 00 24.20N 125.20E 20 3.9W **¶12081941**
IDC I 21 04 33 15.6–.82 24.27N 124.97E 0 3.9,3.8
JMA I 21 04 33 19.9–.30 24.24N 125.19E 25 3.8,3.8
ISCJB I 21 04 33 20.4–.80 24.33N–.08 125.19E–.06 48–6 3.7b,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S49.00000°,δ70.00000°,λ83.00000°. NP2:ϕ_S249.00000°,δ21.00000°,λ109.00000°. $M_0$8.74000×10^{14}
ISCJB Event type ke.
ISC I 24 02 38 57.7–.33 24.84N–.03 125.70E–.03 41–2 5.1b,4.5s 633 0-146
IDC I 24 02 38 51.5–.42 24.82N 125.62E 0 5.2L,4.9 **¶13433962**
BJI I 24 02 38 52.9 24.52N 125.99E 42 5.1b,4.9b
DJA I 24 02 38 54 25.14N 126.17E 15 5.3b,4.9b
MOS I 24 02 38 55.2–1.1 24.85N 125.67E 33 5.2b,4.9b
ISCJB I 24 02 38 56.3–.36 24.83N–.03 125.67E–.02 38–3 5.1b,4.4s
NEIC I 24 02 38 57.5–.49 24.81N 125.69E 38–4 5.2b,4.8W
JMA I 24 02 38 57.7–.20 24.78N 125.74E 50–2 5.1,4.8W
TEH I 24 02 38 58.0 24.79N 125.64E 39 5.1L,4.8W
SZGRF I 24 02 38 59.9 24.54N 124.62E 49 5.2b,4.8W
NIED I 24 02 39 00 24.70N 125.80E 35 4.9W,4.8W
ISC Event type fe.
IDC Error ellipse: s-maj=14.5km s-min=10.7km az=80.0.
MOS Error ellipse: s-maj=7.3km s-min=4.2km az=111.5.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=159.8.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.6km az=144.0. Recorded [3 JMA] on Miyako-jima and [1 JMA] on Kume-jima and Tarama-shima. Moment Tensor Solution. $M_0$2.10000×10^{16}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
SZGRF Southwestern Ryukyu Islands, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S197.00000°,δ85.00000°,λ-162.00000°. NP2:ϕ_S105.00000°,δ72.00000°,λ-6.00000°. $M_0$2.14000×10^{16}
ISC I 25 11 33 16.6–2.7 23.89N–.08 124.98E–.06 11–17 3.5b 19 1-45
IDC I 25 11 33 14.9–1.4 23.96N 124.99E 0 3.4b,3.4 **¶12082301**
JMA I 25 11 33 18.7–.20 23.89N 124.97E 29 3.3,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=24.8km az=69.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC II 01 20 24 35.4–2.9 23.62N–.07 125.64E–.05 27–20 4.0b 92 1-82
NIED II 01 20 24 00 23.70N 125.50E 20 4.1W **¶11677776**
IDC II 01 20 24 31.6–.82 23.59N 125.66E 0 3.9,3.9
NEIC II 01 20 24 33.0–.55 23.57N 125.58E 10 4.5b,4.1W
JMA II 01 20 24 35.6–.20 23.69N 125.53E 77 3.7,4.1W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S90.00000°,δ85.00000°,λ-18.00000°. NP2:ϕ_S182.00000°,δ72.00000°,λ-175.00000°. $M_0$1.79000×10^{15}
IDC Error ellipse: s-maj=21.4km s-min=15.7km az=87.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.3km az=148.0. Moment Tensor Solution. $M_0$1.80000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC II 02 22 56 17.0–1.3 25.1N–.10 125.97E–.07 26–13 3.5b 24 1-80
NIED II 02 22 56 00 25.30N 125.80E 8 3.8W **¶12699435**
ISCJB II 02 22 56 16.5–.76 25.16N–.08 125.95E–.07 27–7 3.5b
JMA II 02 22 56 16.6–.10 25.28N 125.84E 27–3 3.8
IDC II 02 22 56 22.9–4.5 25.22N 126.16E 58–45 3.8L,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S294.00000°,δ61.00000°,λ-120.00000°. NP2:ϕ_S165.00000°,δ41.00000°,λ-47.00000°. $M_0$4.79000×10^{14}
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=4.2km az=142.7.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=36.7km s-min=21.2km az=79.0.
ISC II 06 10 57 21.6–3.9 23.93N–.09 124.94E–.06 6–25 3.2b 18 1-82
IDC II 06 10 57 20.5–1.3 23.90N 124.84E 0 3.6,3.5 **¶12699663**
JMA II 06 10 57 24.0–.20 23.86N 124.97E 20 3.4,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=66.7km s-min=24.5km az=66.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC II 13 16 28 10.3–.95 23.15N–.08 125.39E–.07 31–7 3.5b 24 2-51
ISCJB II 13 16 28 08.7–2.5 23.14N–.06 125.40E–.08 31–19 3.5b **¶12700548**
JMA II 13 16 28 09.2–.30 23.21N 125.31E 18 2.9
IDC II 13 16 28 10.4–.96 23.12N 125.53E 30–6 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=8.4km az=143.2.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=45.4km s-min=14.4km az=68.0.
ISC II 18 06 37 15.1–2.0 23.37N–.06 125.18E–.04 5–11 4.0b 63 1-82
NIED II 18 06 37 00 23.40N 125.10E 5 4.0W **¶12701108**
ISCJB II 18 06 37 14.4–1.7 23.29N–.04 125.18E–.03 14–12 3.9b,3.1s
IDC II 18 06 37 14.6–.74 23.23N 125.09E 0 4.3L,4.1
JMA II 18 06 37 18.3–.30 23.36N 125.13E 50 3.7,4.1
NEIC II 18 06 37 19.2–.72 23.30N 125.05E 35 4.1b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S290.00000°,δ81.00000°,λ-87.00000°. NP2:ϕ_S90.00000°,δ9.00000°,λ-110.00000°. $M_0$1.21000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.3km az=176.7.
IDC Error ellipse: s-maj=27.7km s-min=15.7km az=82.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.0km az=162.0.
ISC II 20 18 59 35.9–1.9 23.59N–.07 123.00E–.04 30–18 42 1-2
ISCJB II 20 18 59 36.2–.54 23.60N–.06 122.99E–.03 33–39 **¶13864773**
TAP II 20 18 59 36.1 23.70N 122.91E 96–3 3.1L
JMA II 20 18 59 36.7–.40 23.59N 123.08E 55 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=3.7km az=161.5.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=4.1km az=-1.0.
ISC II 21 09 47 58.9–1.1 24.88N–.06 123.54E–.05 21–4 3.5b,3.2s 16 1-81
JMA II 21 09 47 57.3–.20 24.99N 123.51E 27–3 3.4,3.2s **¶12701418**
ISCJB II 21 09 47 58.0–1.2 24.96N–.07 123.53E–.05 19–11 3.4b,3.3s
IDC II 21 09 48 11.6–3.3 24.91N 123.48E 130–34 3.4s,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=7.3km az=175.7.
IDC Error ellipse: s-maj=25.7km s-min=14.4km az=68.0.
JMA II 21 12 14 42.9–.20 24.97N 123.50E 32–3 2.9
IDC II 21 12 14 46.3–1.6 23.84N 121.50E 0 3.5,3.4 **¶15544899**
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=146.3km s-min=19.6km az=65.0.
ISC II 21 13 12 38.2–1.9 25.0N–.10 123.52E–.06 20–5 3.4b 13 1-49
JMA II 21 13 12 38.1–.20 24.98N 123.50E 29–4 2.8 **¶12701428**
IDC II 21 13 12 40.1–2.1 24.30N 122.27E 0 3.6,3.4
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=165.5km s-min=21.8km az=64.0.
ISC II 22 22 22 36.8–2.1 23.9N–.10 124.96E–.07 18–6 3.4b 17 1-82
IDC II 22 22 22 35.9–8.1 24.33N 125.03E 0 3.6,3.5 **¶12701570**
JMA II 22 22 22 37.2–.30 23.87N 124.99E 23–5 3.0,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=210.3km s-min=54.6km az=13.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC III 01 01 25 14.9–.59 23.70N–.05 125.45E–.03 17–2 4.1b,3.7s 143 1-86
NIED III 01 01 25 00 23.80N 125.30E 5 4.3W,3.7s **¶13435225**
BJI III 01 01 25 09.3 23.40N 125.50E 7 4.5b,4.3b
IDC III 01 01 25 12.9–.59 23.81N 125.17E 0 4.1,4.1
ISCJB III 01 01 25 14.2–1.1 23.75N–.04 125.44E–.03 27–7 4.1b,3.6s
NEIC III 01 01 25 15.7–2.9 23.81N 125.29E 19–18 4.4b,3.6s
JMA III 01 01 25 16.6–.20 23.80N 125.35E 61 4.3,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S32.00000°,δ83.00000°,λ147.00000°. NP2:ϕ_S127.00000°,δ57.00000°,λ8.00000°. $M_0$2.73000×10^{15}
IDC Error ellipse: s-maj=18.7km s-min=12.8km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.7km az=158.5.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.1km az=149.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC III 04 22 36 37.7–.84 24.27N–.08 125.32E–.07 40–7 4.1b,3.5s 77 0-85
NIED III 04 22 36 00 24.30N 125.30E 20 4.2W,3.5s **¶12054470**
ISCJB III 04 22 36 37.3–.67 24.30N–.06 125.24E–.04 47–4 4.0b,3.6s
NEIC III 04 22 36 37.4–.88 24.32N 125.32E 35 4.4b,3.6s
JMA III 04 22 36 37.1–.20 24.29N 125.29E 44 4.2,3.6s
IDC III 04 22 36 45.1–2.4 24.26N 125.10E 102–22 3.7,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S43.00000°,δ72.00000°,λ85.00000°. NP2:ϕ_S240.00000°,δ19.00000°,λ106.00000°. $M_0$1.99000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=4.7km az=149.2.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=10.3km az=148.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=15.1km az=80.0.
JMA III 05 03 42 45.3–.30 24.23N 125.26E 0 3.5

NIED III 05 03 42 00 24.20N 125.30E 23 3.6W ¶14159128
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s43.00000°,δ74.00000°,λ71.00000°. NP2:ϕ_s274.00000°,δ25.00000°,λ138.00000°. $M_0$2.55000×10^{14}
ISC III 05 04 21 32.6–.63 24.29N–.06 125.25E–.05 38–2 4.4b,3.8s 129 0-81
NIED III 05 04 21 00 24.20N 125.30E 23 4.3W,3.8s ¶13435547
IDC III 05 04 21 27.1–.61 24.22N 125.04E 0 4.2,4.1b
JMA III 05 04 21 30.4–.30 24.22N 125.26E 0 4.5,4.1b
MOS III 05 04 21 30.3–.99 24.23N 125.12E 33 4.6b,4.1b
ISCJB III 05 04 21 31.5–.59 24.27N–.04 125.22E–.04 44–4 4.4b,3.7s
NEIC III 05 04 32.9–.74 24.24N 125.21E 40–6 4.4b,3.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ78.00000°,λ80.00000°. NP2:ϕ_s268.00000°,δ16.00000°,λ129.00000°. $M_0$3.14000×10^{15}
IDC Error ellipse: s-maj=24.3km s-min=13.1km az=71.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=15.7km s-min=7.2km az=119.6.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.5km az=149.5.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.8km az=151.0.
ISC III 11 18 59 29.0–.82 24.59N–.08 125.65E–.06 46–7 3.7b 37 0-80
IDC III 11 18 59 27.9–7.6 24.66N 125.50E 30–56 3.8,3.7 ¶15551186
ISCJB III 11 18 59 28.2–.64 24.66N–.08 125.62E–.06 53–4 4.1s,3.7b
JMA III 11 18 59 28.0 24.55N 125.67E 48–1 4.1,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=18.7km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=5.0km az=151.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC III 16 01 11 53.5–1.0 24.91N–.07 123.42E–.06 32 3.5b 14 1-49
IDC III 16 01 11 50.0–1.2 25.07N 123.39E 0 3.7,3.6 ¶12703389
JMA III 16 01 11 51.4–.20 25.00N 123.43E 13 3.0,3.6
ISCJB III 16 01 11 52.1–.76 24.97N–.05 123.42E–.05 32 3.5b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC III 16 04 29 02.6–1.6 24.71N–.08 123.45E–.04 11–10 3.5b 12 0-49
JMA III 16 04 28 58.8–.10 24.95N 123.45E 3 3.3 ¶12703395
ISCJB III 16 04 28 59.7–1.6 24.94N–.09 123.42E–.05 23–12 3.5b,3.0s
IDC III 16 04 29 01.0–1.4 24.22N 122.10E 0 3.7,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=7.7km az=177.3.
IDC Error ellipse: s-maj=71.4km s-min=22.6km az=66.0.
ISC III 16 04 41 57.3–1.6 24.9N–.10 123.01E–.05 14–10 16 0-2
JMA III 16 04 42 03.4–.40 24.97N 123.44E 9 2.3 ¶13865800
TAP III 16 04 42 11.8 24.76N 122.24E 6–0 2.6L
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.
ISC III 28 03 34 14.2–1.8 24.2N–.20 125.94E–.09 53–41 27 1-5
NIED III 28 03 34 00 24.20N 125.80E 44 4.1W ¶14166448
JMA III 28 03 34 15.8–.20 24.23N 125.84E 59–5 3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s278.00000°,δ87.00000°,λ-79.00000°. NP2:ϕ_s21.00000°,δ12.00000°,λ-167.00000°. $M_0$1.72000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC IV 02 08 39 33.1–.38 24.77N–.04 125.80E–.03 40–2 4.8b,4.1s 401 0-146
NIED IV 02 08 39 00 24.60N 125.90E 35 4.8W,4.1s ¶13437801
BJI IV 02 08 39 29.9 24.62N 125.89E 39 4.9b,4.7b
MOS IV 02 08 39 30.6–1.0 24.84N 125.73E 33 5.2b,4.0s
ISCJB IV 02 08 39 32.0–.36 24.79N–.03 125.77E–.02 41–3 4.8b,4.0s
JMA IV 02 08 39 32.7–.10 24.71N 125.84E 54–1 5.1,4.0s
NEIC IV 02 08 39 33.4–.42 24.79N 125.70E 42–4 5.0b,4.8W
IDC IV 02 08 39 33.8–.61 24.80N 125.75E 48–5 4.5,4.5
DJA IV 02 08 39 48.4–1.3 25N–8.0 125E–11 107–11 5.7b,5.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ84.00000°,λ-147.00000°. NP2:ϕ_s94.00000°,δ57.00000°,λ-7.00000°. $M_0$1.84000×10^{16}
ISCJB Event type fe.
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] on Miyako-jima and [1 JMA] on Tarama-shima. Moment Tensor Solution. $M_0$1.80000×10^{16}
ISC IV 07 18 11 57.0–.75 23.09N–.06 125.11E–.05 24 3.7b 44 2-83
IDC IV 07 18 11 53.5–.75 22.96N 125.13E 0 3.8,3.7 ¶12934702
ISCJB IV 07 18 11 54.2–.45 23.02N–.03 125.15E–.04 24 3.5b,3.7
JMA IV 07 18 11 57.4–.20 23.07N 124.98E 56 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=16.9km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=27.7.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IV 08 14 27 50.7–3.6 23.49N–.07 123.75E–.06 17–23 3.2b 26 1-83
NIED IV 08 14 27 00 23.40N 123.70E 8 3.7W ¶12934798
IDC IV 08 14 27 47.9–.91 23.34N 122.95E 0 3.5,3.4
JMA IV 08 14 27 49.7–.30 23.37N 123.70E 44–4 3.6,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ85.00000°,λ-149.00000°. NP2:ϕ_s130.00000°,δ59.00000°,λ-5.00000°. $M_0$4.27000×10^{14}
IDC Error ellipse: s-maj=39.7km s-min=19.4km az=71.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC IV 08 19 14 54.5–4.7 23.2N–.20 123.94E–.07 27–26 3.9b 30 1-159
NIED IV 08 19 14 00 23.10N 124.00E 5 4.1W ¶12934784
JMA IV 08 19 14 52.1–.30 23.05N 124.00E 41 3.8
ISCJB IV 08 19 14 52.8–1.7 23.08N–.09 123.95E–.06 33–12 3.7b,2.9s
IDC IV 08 19 15 11.9–4.4 23.89N 123.99E 158–41 3.5,3.4
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s284.00000°,δ66.00000°,λ-77.00000°. NP2:ϕ_s73.00000°,δ27.00000°,λ-117.00000°. $M_0$1.58000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=9.4km az=172.4.
IDC Error ellipse: s-maj=22.5km s-min=14.3km az=65.0.
JMA IV 15 14 28 55.3–.20 24.96N 123.16E 114–3 3.1
¶14401453
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
JMA IV 17 16 14 57.1–.10 24.11N 123.57E 21–1 3.9
¶14468972
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
JMA IV 17 16 17 18.9–.10 24.12N 123.58E 21–2 2.5
¶15415129
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC IV 17 17 18 21.4–1.8 24.21N–.08 125.19E–.06 17–11 3.6b 21 1-73
IDC IV 17 17 18 18.6–1.1 24.22N 124.94E 0 3.7,3.6 ¶12935421
JMA IV 17 17 18 22.9–.20 24.23N 125.23E 21 3.5,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=55.9km s-min=19.2km az=68.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IV 21 16 23 18.1–1.7 25.12N–.06 125.19E–.04 13–12 3.5b 25 0-72
ISCJB IV 21 16 23 16.8–1.4 25.22N–.06 125.16E–.05 7–10 3.6b ¶12935854
IDC IV 21 16 23 18.7–1.0 25.55N 124.97E 0 3.7,3.6
JMA IV 21 16 23 18.7–.10 24.78N 125.42E 46–1 3.3,3.6
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=4.3km az=145.1.
IDC Error ellipse: s-maj=49.7km s-min=20.7km az=70.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC IV 23 22 11 24.6–1.7 24.14N–.07 125.33E–.04 6–11 3.8b 34 1-82
NIED IV 23 22 11 00 24.10N 125.30E 35 3.8W ¶12935995
IDC IV 23 22 11 24.2–.82 24.24N 125.23E 0 4.0,3.8
JMA IV 23 22 11 29.2–.10 24.13N 125.26E 43 4.2,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s104.00000°,δ86.00000°,λ26.00000°. NP2:ϕ_s12.00000°,δ64.00000°,λ175.00000°. $M_0$6.39000×10^{14}
IDC Error ellipse: s-maj=35.1km s-min=17.3km az=65.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC IV 29 17 21 58.3–.39 23.90N–.03 123.37E–.02 29–2 4.9b,4.6s 526 0-121
NIED IV 29 17 21 00 23.90N 123.40E 35 5.1W,4.6s ¶13439189

DJA IV 29 17 21 53.8–.60 24N–7.0 124E–9.0 10 5.4b,5.1
IDC IV 29 17 21 53.5–.49 23.95N 123.41E 0 4.7,4.7
BJI IV 29 17 21 54.2 23.72N 123.60E 32 4.8s,4.8b
JMA IV 29 17 21 57.7–.20 23.86N 123.37E 27–3 5.2,4.8b
ISCJB IV 29 17 21 57.9–.34 23.91N–.02 123.36E–.02 38–2 4.8b,4.5s
MOS IV 29 17 21 57.4–1.1 23.99N 123.38E 33 5.1b,4.6s
NEIC IV 29 17 21 58.7–1.3 23.94N 123.36E 33–9 5.0W,4.9b
TEH IV 29 17 21 59.0 23.94N 123.30E 29 4.9L,4.9b
GCMT IV 29 17 22 00.3–.20 23.71N 123.38E 33–1 5.1W,4.9b
SZGRF IV 29 17 22 06.8 25.19N 122.71E 33 4.8b,4.5s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ70.00000°,λ70.00000°. NP2:ϕ_s280.00000°,δ28.00000°,λ134.00000°. $M_0$4.22000×10^{16}
IDC Error ellipse: s-maj=17.0km s-min=12.1km az=68.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=164.0.
MOS Error ellipse: s-maj=8.2km s-min=4.5km az=116.6.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=142.0. Moment Tensor Solution. $M_0$4.20000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c79; s70,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}2.89±.16 $M_{\theta\theta}$-3.04±.11; $M_{\phi\phi}$0.15±.12; $M_{r\theta}$2.41±.14; $M_{\theta\phi}$-1.71±.08; $M_{\theta f}$2.67±.18; Best double couple: NP1:ϕ_s269.00000°,δ26.00000°,λ129.00000°. NP2:ϕ_s47.00000°,δ70.00000°,λ73.00000°. Principal axes: T 4.7300,Plg61.0000°,Azm291.0000°; N 0.4500,Plg16.0000°,Azm53.0000°; P -5.1800,Plg23.0000°,Azm151.0000° $M_0$5.00000×10^{16}
SZGRF Taiwan region.
ISC IV 29 17 24 08.3–1.7 23.9N–.10 123.36E–.06 28–11 4.1b 27 0-84
IDC IV 29 17 24 03.9–.70 23.97N 123.43E 0 4.5s,4.5 ¶12936402
ISCJB IV 29 17 24 06.6–1.1 23.83N–.07 123.30E–.05 29–7 4.5s,4.0b
JMA IV 29 17 24 08.2–.20 23.87N 123.37E 24–3 4.0,4.0b
ISC Event type fe.
IDC Error ellipse: s-maj=38.0km s-min=15.6km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=7.3km az=8.8.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IV 30 03 26 18.4–1.5 23.9N–.10 123.38E–.06 29–10 3.5b 20 0-82
IDC IV 30 03 26 14.0–.87 23.95N 123.33E 0 3.7,3.6 ¶12936485
ISCJB IV 30 03 26 18.0–1.2 23.89N–.09 123.38E–.07 41–10 3.4b,3.2s
JMA IV 30 03 26 17.9–.20 23.84N 123.38E 27–3 3.9,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=38.7km s-min=19.5km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=9.2km az=21.9.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IV 30 03 27 50.2–1.7 23.86N–.10 123.38E–.07 29–11 3.5b 18 0-82
NIED IV 30 03 27 00 23.80N 123.40E 20 3.8W ¶12936484
IDC IV 30 03 27 45.7–1.2 23.89N 123.39E 0 3.6,3.5
ISCJB IV 30 03 27 48.5–1.4 23.76N–.09 123.33E–.05 29–8 3.3b,3.5
JMA IV 30 03 27 50.3–.20 23.83N 123.37E 24–3 3.5,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s46.00000°,δ72.00000°,λ75.00000°. NP2:ϕ_s268.00000°,δ23.00000°,λ130.00000°. $M_0$5.68000×10^{14}
IDC Error ellipse: s-maj=58.8km s-min=24.3km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=8.2km az=3.4.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
JMA V 06 13 09 50.2–.10 24.62N 123.41E 15–3 1.2
¶14393027
ISC V 19 12 25 45.7–.97 24.8N–.10 125.26E–.07 44–8 3.3b 20 0-49
IDC V 19 12 25 41.1–5.8 24.47N 124.50E 0 3.9s,3.9 ¶13679235
ISCJB V 19 12 25 44.9–.55 24.82N–.09 125.28E–.06 52–5 3.8s,3.2b
JMA V 19 12 25 45.0–.10 24.81N 125.31E 50–1 3.1,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=355.5km s-min=28.2km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=5.6km az=152.4.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VI 07 12 26 53.2–2.1 23.54N–.09 124.17E–.05 24–14 3.4b 18 1-69
ISCJB VI 07 12 26 51.8–1.3 23.45N–.06 124.15E–.06 25–8 3.3b ¶15434013
JMA VI 07 12 26 52.0–.40 23.46N 124.17E 30 2.7
IDC VI 07 12 26 55.0–1.1 22.24N 121.66E 0 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=8.6km az=138.1.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=55.7km s-min=23.8km az=73.0.
ISC VI 15 06 40 08.5–.82 24.63N–.08 125.50E–.05 46–6 4.2b,3.4s 81 0-85
NIED VI 15 06 40 00 24.90N 125.40E 53 4.2W,3.4s ¶13681402
ISCJB VI 15 06 40 08.4–.42 24.80N–.06 125.41E–.04 52–3 4.0b,3.2s
JMA VI 15 06 40 09.6–.10 24.82N 125.38E 46–1 4.2,3.2s
NEIC VI 15 06 40 10.0–.79 24.78N 125.35E 51–7 4.2b,3.2s
IDC VI 15 06 40 12.6–4.4 24.88N 125.32E 71–41 4.0,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s59.00000°,δ80.00000°,λ97.00000°. NP2:ϕ_s205.00000°,δ12.00000°,λ57.00000°. $M_0$2.56000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=3.3km az=151.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=7.0km az=146.0. Recorded [2 JMA] on Miyako-jima and [1 JMA] on Tarama-shima.
IDC Error ellipse: s-maj=20.9km s-min=16.0km az=77.0.
ISC VI 15 16 19 48.1–2.6 23.87N–.08 123.22E–.05 16–16 3.9b 34 1-84
NIED VI 15 16 19 00 23.90N 123.20E 41 3.9W ¶13681435
IDC VI 15 16 19 45.8–.81 23.89N 123.12E 0 3.9,3.8
JMA VI 15 16 19 51.0–.20 23.88N 123.25E 45–4 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s47.00000°,δ87.00000°,λ128.00000°. NP2:ϕ_s140.00000°,δ38.00000°,λ5.00000°. $M_0$8.67000×10^{14}
IDC Error ellipse: s-maj=46.2km s-min=15.3km az=66.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VI 25 17 36 43.8–.79 24.28N–.07 125.25E–.05 32–5 3.7b 33 0-76
ISCJB VI 25 17 36 44.6–.77 24.38N–.08 125.29E–.06 50–6 3.7b ¶13682021
JMA VI 25 17 36 44.9–.20 24.31N 125.23E 36–5 3.4
IDC VI 25 17 36 44.1–.98 24.29N 125.08E 26–5 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=5.9km az=153.5.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=53.2km s-min=15.4km az=65.0.

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ISC II 13 13 41 01.3–1.2 22.87N–.05 123.08E–.04 26 74 1-3
ISCJB II 13 13 41 02.1–.49 22.93N–.03 123.03E–.03 26 ¶13864446
JMA II 13 13 41 03.5–.20 22.97N 123.13E 67 3.0
TAP II 13 13 41 04.6 22.95N 122.85E 94–1 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.7km az=145.8.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC II 28 17 27 31.4–1.4 22.86N–.05 123.19E–.04 26 75 1-3
ISCJB II 28 17 27 32.0–.53 22.93N–.03 123.13E–.03 26 ¶13865148
TAP II 28 17 27 33.5 22.90N 122.99E 105–2 3.5L
JMA II 28 17 27 33.5–.20 22.98N 123.23E 69 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.7km az=148.7.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
JMA VI 03 09 28 59.0–.50 22.32N 125.93E 0 3.8
NIED VI 03 09 28 00 22.30N 125.90E 38 3.8W ¶14485272
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s300.00000°,δ87.00000°,λ-56.00000°. NP2:ϕ_s34.00000°,δ34.00000°,λ-175.00000°. $M_0$5.34000×10^{14}
ISC VI 09 13 01 47.9–.89 22.54N–.07 125.56E–.04 38 3.7b 41 2-47
NIED VI 09 13 01 00 22.50N 125.30E 32 3.9W ¶13681047
IDC VI 09 13 01 43.6–.88 22.39N 125.39E 0 3.8,3.7
ISCJB VI 09 13 01 46.3–.64 22.62N–.04 125.57E–.04 38 3.7b,3.7
JMA VI 09 13 01 46.8–.50 22.54N 125.33E 42 4.0,3.7
ISC Event type ke.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s140.00000°,δ84.00000°,λ18.00000°. NP2:ϕ_s48.00000°,δ72.00000°,λ173.00000°. $M_0$7.53000×10^{14}
IDC Error ellipse: s-maj=29.1km s-min=16.3km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.5km az=161.5.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.

SEISMIC REGION 22.
Philippines.

(248) Philippine Islands region.

MAN I 01 19 27 28 19.86N 119.90E 7 5.0b,4.0s
¶14716447

ISC I 03 18 07 05.6–1.3 13.42N–.07 120.0E–.10 16 3.5s,3.3b 10 1-49
IDC I 03 18 07 03.7–1.5 13.45N 119.96E 0 3.7s,3.7 **¶12079917**
ISCJB I 03 18 07 03.9–1.2 13.39N–.06 119.81E–.10 16 3.6s,3.3b
MAN I 03 18 07 09 13.41N 120.21E 31 3.8b,2.6L
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=14.0km az=131.0.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=7.6km az=18.8.
MAN I 05 21 23 30 11.45N 126.14E 31 4.6b,3.5s
¶14716453

ISC I 06 04 31 27.3–.94 9.0N–.10 128.0E–.10 35 4.0b 14 2-88
ISCJB I 06 04 31 24.6–1.1 9.0N–.10 128.1E–.20 33 3.9b **¶12080455**
IDC I 06 04 31 32.6–9.2 8.72N 127.58E 84–78 4.6L,3.7
MAN I 06 04 31 45 6.36N 125.95E 181 5.0b,4.0s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.3km s-min=12.4km az=25.2.
IDC Error ellipse: s-maj=120.2km s-min=22.3km az=66.0.
ISC I 08 17 23 32.6–.51 19.83N–.05 120.56E–.07 29–3 4.7b,3.5s 160 1-149
ISCJB I 08 17 23 28.9–1.8 19.86N–.03 120.59E–.05 17–13 4.5b,3.6s **¶12080760**
NEIC I 08 17 23 30.0–3.2 19.82N 120.60E 12–20 4.8b,3.6s
MOS I 08 17 23 31.3–.85 19.84N 120.60E 33 4.8b,3.6s
IDC I 08 17 23 33.0–.62 19.83N 120.61E 32–4 4.3,4.2
BJI I 08 17 23 35.6 20.43N 120.16E 15 4.5b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.2km az=153.4.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=59.0.
MOS Error ellipse: s-maj=12.6km s-min=7.8km az=122.2.
IDC Error ellipse: s-maj=20.3km s-min=9.8km az=72.0.
ISC I 09 13 28 12.8–1.4 6.1N–.20 127.5E–.20 52 3.6b 10 1-59
ISCJB I 09 13 28 10.6–1.1 6.2N–.20 127.6E–.20 52 3.6b **¶12080847**
IDC I 09 13 28 18.7–3.9 5.76N 126.76E 98–30 3.5,3.3b
MAN I 09 13 28 31 6.93N 126.23E 25 4.4b,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.5km s-min=9.8km az=40.1.
IDC Error ellipse: s-maj=124.2km s-min=16.8km az=65.0.
ISC I 09 18 45 08.3–1.1 7.66N–.09 127.37E–.10 41 3.3b 13 1-81
IDC I 09 18 45 02.3–1.2 7.73N 127.76E 0 3.7,3.6 **¶12080875**
ISCJB I 09 18 45 06.6–.87 7.57N–.08 127.32E–.07 41 3.4b,3.6
MAN I 09 18 45 07 7.58N 127.27E 31 4.7b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=22.4km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=9.2km az=24.7.
IDC I 11 14 22 44.6–1.1 20.43N 120.08E 0 4.1,3.8s
¶12081038
IDC Error ellipse: s-maj=76.3km s-min=21.5km az=65.0.
IDC I 11 16 42 26.7–1.4 20.47N 120.24E 0 3.6,3.5b
¶12081043
IDC Error ellipse: s-maj=146.4km s-min=21.4km az=66.0.
ISC I 13 15 08 17.7–.72 5.8N–.10 127.6E–.10 52 3.9b 16 2-123
IDC I 13 15 08 10.6–.71 5.73N 127.58E 0 4.2,4.0b **¶12081196**
ISCJB I 13 15 08 16.2–.64 5.76N–.08 127.62E–.08 52 3.9b,4.0b
MAN I 13 15 08 29 5.64N 126.99E 3 4.9b,3.8s
DJA I 13 15 08 49 3.68N 126.66E 94 4.5,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=57.2km s-min=14.8km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=7.0km az=42.2.
IDC I 13 22 36 02.4–1.3 20.15N 122.43E 0 3.7,3.6b
¶12081222
IDC Error ellipse: s-maj=48.8km s-min=26.4km az=56.0.
ISC I 14 12 47 17.8–.87 10.15N–.08 126.33E–.09 42 3.8b 18 1-94
IDC I 14 12 47 11.4–1.2 10.11N 126.20E 0 4.0,3.8 **¶12081269**
ISCJB I 14 12 47 16.1–.72 10.14N–.07 126.39E–.06 42 3.8b,3.3s
MAN I 14 12 47 18 10.05N 126.13E 13 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=57.4km s-min=26.1km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=8.0km az=175.0.
ISC I 16 01 13 02.8–.75 10.09N–.08 126.7E–.10 42 3.7b 20 2-121
IDC I 16 01 12 56.5–.79 10.11N 126.83E 0 4.0,3.8b **¶12081397**
ISCJB I 16 01 13 00.9–.62 10.08N–.07 126.76E–.09 42 3.8b,3.8b
MAN I 16 01 13 04 10.10N 126.47E 40 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=53.5km s-min=17.2km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=8.0km az=31.6.
ISC I 16 14 06 57.3–2.2 17.36N–.08 119.8E–.20 33 11 1-43
MAN I 16 14 06 55 17.38N 119.78E 28 5.4b,4.6s **¶12081441**
ISCJB I 16 14 06 56.8–1.7 17.35N–.08 119.8E–.10 33 3.1b,4.6s
IDC I 16 14 06 59.2–10 15.90N 119.84E 0 3.5,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.1km s-min=7.0km az=26.0.
IDC Error ellipse: s-maj=327.1km s-min=33.3km az=35.0.
ISC I 18 08 15 38.4–.50 19.21N–.04 121.23E–.05 32–3 4.7b,4.2s 186 2-176
IDC I 18 08 15 33.1–.45 19.18N 121.26E 0 4.6,4.6 **¶11617109**
ISCJB I 18 08 15 34.1–1.2 19.19N–.03 121.26E–.04 15–8 4.7b,4.3s
BJI I 18 08 15 37.8 19.50N 121.09E 17 5.0b,4.6s
NEIC I 18 08 15 38.6–.21 19.22N 121.25E 35 4.9b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=11.1km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.5km az=159.6.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.2km az=83.0.
ISC I 19 02 09 39.3–2.6 15.20N–.10 122.84E–.09 29–20 3.6b 25 1-91
IDC I 19 02 09 34.8–.75 15.23N 123.10E 0 4.4L,3.9 **¶12081694**
ISCJB I 19 02 09 38.5–1.1 15.27N–.06 122.91E–.08 34–10 3.7b,3.9
MAN I 19 02 09 38 15.24N 122.79E 18 4.7b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=23.6km s-min=15.5km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=6.9km az=150.1.
ISC I 19 17 48 21.4–.66 7.54N–.06 127.15E–.08 52 3.9b 31 1-96
MAN I 19 17 48 13 7.56N 127.30E 0 5.1b,4.2s **¶12081784**
IDC I 19 17 48 19.9–.95 7.51N 126.54E 34–7 3.8,3.7b
ISCJB I 19 17 48 20.7–.57 7.47N–.05 127.04E–.05 52 3.9b,3.7b
ISC Event type ke.
ISCJB Event type ke.
MAN I 19 17 50 05 15.25N 122.82E 19 4.7b,3.5s
¶14716488

MAN I 20 02 35 00 17.38N 119.43E 30 4.4b,3.3L
¶14716496

IDC I 20 18 57 24.8–1.1 19.80N 121.55E 0 3.6,3.4
¶12081891
IDC Error ellipse: s-maj=75.9km s-min=20.7km az=66.0.
IDC I 21 18 30 02.9–1.2 19.20N 121.36E 0 3.6,3.5b
¶12081996
IDC Error ellipse: s-maj=34.8km s-min=26.5km az=71.0.
IDC I 22 02 40 06.1–2.3 20.24N 121.43E 0 3.6,3.4b
¶12082024
IDC Error ellipse: s-maj=217.1km s-min=21.0km az=63.0.
ISC I 22 04 15 40.8–.80 10.1N–.20 126.3E–.20 42 3.8b 14 2-94
IDC I 22 04 15 34.9–.82 10.11N 126.28E 0 3.9,3.8 **¶12082030**
ISCJB I 22 04 15 38.8–.63 10.1N–.10 126.4E–.20 42 4.7s,3.8b
ISC Event type ke.
ISCJB Event type ke.

IDC I 23 16 37 07.4–.78 10.09N 126.52E 0 4.0,3.9
¶12082147
IDC Error ellipse: s-maj=47.0km s-min=14.8km az=71.0.
IDC I 23 16 39 54.2–1.4 5.03N 127.44E 0 4.1,3.9b
¶12082148
IDC Error ellipse: s-maj=135.4km s-min=19.2km az=67.0.
IDC I 24 13 33 31.9–3.1 19.83N 121.31E 0 3.6,3.4b
¶12082227
IDC Error ellipse: s-maj=274.2km s-min=21.0km az=62.0.
IDC I 24 22 57 33.1–1.2 6.11N 127.64E 0 4.0L,3.7b
¶12082259
IDC Error ellipse: s-maj=52.0km s-min=19.0km az=59.0.
IDC I 25 00 09 05.5–2.8 5.71N 127.34E 0 3.4,3.3b
¶12082263
IDC Error ellipse: s-maj=272.2km s-min=22.6km az=68.0.
ISC I 26 08 48 08.1–.72 7.13N–.08 127.12E–.06 10 3.8b 21 1-122
IDC I 26 08 48 06.5–.68 7.16N 127.18E 0 4.0,3.9 **¶12082363**
ISCJB I 26 08 48 07.2–.63 7.06N–.09 127.27E–.05 10 3.8b,2.9s
MAN I 26 08 48 10 7.05N 126.99E 6 4.6b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=18.5km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=7.0km az=16.3.
IDC I 26 22 03 21.3–.90 5.33N 127.84E 0 3.8,3.7b
¶12082421
IDC Error ellipse: s-maj=71.1km s-min=16.9km az=69.0.
IDC I 28 05 25 49.4–4.4 20.50N 121.74E 0 3.9,3.7b
¶12082546
IDC Error ellipse: s-maj=366.1km s-min=27.4km az=60.0.
ISC I 29 13 31 14.7–.64 13.25N–.05 125.92E–.06 30–4 4.6b,3.2s 138 3-149
IDC I 29 13 31 09.9–.54 13.19N 126.07E 0 4.6L,4.5 **¶11656305**
ISCJB I 29 13 31 11.0–2.4 13.20N–.04 125.98E–.05 15–15 4.6b,3.2s
BJI I 29 13 31 11.2 13.11N 126.10E 14 4.7b,4.4b
MAN I 29 13 31 14 13.30N 125.78E 33 5.1b,4.2s
NEIC I 29 13 31 15.6–1.2 13.20N 126.03E 38–11 4.9b,4.2s
DJA I 29 13 31 22 13.27N 126.00E 93 4.8b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=12.0km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.9km az=149.9.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.5km az=63.0.
ISC I 29 15 20 47.9–1.1 18.2N–.10 119.76E–.09 32 3.6b 11 1-89
IDC I 29 15 20 43.6–1.0 18.47N 120.06E 0 3.7,3.5b **¶12082670**
ISCJB I 29 15 20 47.2–.83 18.4N–.10 119.73E–.08 32 3.5b,3.5b
MAN I 29 15 20 52 18.24N 120.13E 10 4.8b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=74.1km s-min=20.4km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=8.6km az=31.5.
ISC I 30 07 30 02.0–.68 19.09N–.07 121.15E–.09 39 3.6b 20 1-115
IDC I 30 07 29 55.8–.74 19.09N 121.50E 0 4.0,3.8 **¶12082725**
ISCJB I 30 07 30 00.9–.56 19.15N–.04 121.14E–.08 39 3.6b,3.5s
MAN I 30 07 30 04 18.90N 121.15E 15 4.6b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=16.6km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.2km az=178.0.
ISC II 01 17 47 16.4–1.1 10.38N–.05 126.20E–.09 51 3.5b 19 1-52
IDC II 01 17 47 09.7–2.9 10.23N 125.86E 0 3.7,3.5b **¶12699347**
ISCJB II 01 17 47 14.7–.84 10.38N–.05 126.29E–.07 51 3.5b,3.5b
MAN II 01 17 47 16 10.36N 126.15E 49 4.9b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=233.9km s-min=28.3km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.5km az=158.8.
ISC II 05 12 21 43.9–1.4 6.12N–.06 127.02E–.10 85–11 4.3b 75 1-122
MAN II 05 12 21 42 6.17N 127.12E 21 4.9b,3.9s **¶12082961**
ISCJB II 05 12 21 43.7–.87 6.23N–.06 127.08E–.08 99–6 4.1b,3.9s
IDC II 05 12 21 45.5–1.5 6.20N 127.05E 99–13 3.9,3.8
NEIC II 05 12 21 45.5–.85 6.20N 127.01E 99–7 4.5b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=8.8km az=157.2.
IDC Error ellipse: s-maj=19.7km s-min=10.0km az=74.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.2km az=76.0.
MAN II 09 07 29 13 17.21N 119.89E 32 3.8b,2.6L
¶14716571

IDC II 11 14 59 44.5–2.1 13.30N 125.24E 0 3.3,3.2
¶15955424
IDC Error ellipse: s-maj=213.4km s-min=25.9km az=70.0.
ISC II 21 21 23 06.4–1.0 10.44N–.08 126.5E–.10 44 3.6b 15 2-86
IDC II 21 21 23 00.4–1.0 10.46N 126.58E 0 4.0,3.8 **¶12701467**
ISCJB II 21 21 23 04.6–.74 10.43N–.06 126.57E–.06 44 3.7b,3.8
MAN II 21 21 23 04 10.38N 126.45E 15 5.1b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=57.5km s-min=18.7km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=8.6km az=15.9.
ISC II 21 21 53 08.0–1.1 10.43N–.08 126.5E–.10 44 3.4b 15 2-86
IDC II 21 21 53 02.0–1.4 10.42N 126.56E 0 3.8,3.6 **¶12701469**
MAN II 21 21 53 05 10.39N 126.45E 9 4.8b,3.7s
ISCJB II 21 21 53 06.1–.85 10.41N–.07 126.59E–.07 44 3.5b,3.7s
ISC Event type ke.
ISCJB Event type ke.
ISC II 22 04 27 50.9–.75 13.20N–.08 125.9E–.10 40 4.2b 17 3-91
IDC II 22 04 27 45.1–.73 13.21N 125.92E 0 4.2,4.1 **¶15956914**
ISCJB II 22 04 27 49.2–.59 13.19N–.06 125.9E–.10 40 4.0b,4.1
ISC Event type ke.
ISCJB Event type ke.
MAN II 22 22 24 29 10.15N 126.20E 18 4.0b,2.8L
¶14716616

ISC II 26 12 32 52.6–.23 19.08N–.02 121.24E–.03 39–2 4.8s,4.8b 464 1-153
ISCJB II 26 12 32 49.4–.83 19.10N–.02 121.24E–.03 25–5 4.8s,4.8b **¶13435108**
MOS II 26 12 32 50.0–1.0 19.04N 121.29E 33 5.1b,5.0s
IDC II 26 12 32 53.0–2.4 19.00N 121.31E 46–23 4.8,4.8s
NEIC II 26 12 32 52.4–.54 19.02N 121.27E 38–4 5.0b,4.8s
MAN II 26 12 32 53 19.03N 121.16E 22 5.4b,4.7s
BJI II 26 12 32 53.2 19.40N 121.03E 29 5.2b,5.0s
TEH II 26 12 32 53.0 19.06N 121.19E 35 4.9L,5.0s
DJA II 26 12 32 55 19.05N 120.66E 10 4.9b,5.0s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.9km az=4.8.
MOS Error ellipse: s-maj=8.3km s-min=4.8km az=112.0.
IDC Error ellipse: s-maj=13.2km s-min=9.3km az=77.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.7km az=136.0. Felt [II PIVS] at Laoag and Pasuquin, Luzon.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE; LAOAG CITY.
ISC II 26 13 20 00.8–.66 19.13N–.07 121.13E–.09 39 3.5b 20 1-88
IDC II 26 13 19 54.8–.73 19.15N 121.47E 0 3.8,3.7 **¶12701926**
ISCJB II 26 13 19 59.1–.52 19.21N–.05 121.28E–.10 39 3.6b,3.7
MAN II 26 13 20 03 18.75N 121.16E 1 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=15.6km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=6.4km az=174.8.
MAN II 26 19 43 45 17.41N 119.87E 6 4.4b,3.2L
¶14716636

MAN II 27 16 19 42 10.40N 126.41E 23 4.6b,3.5L
¶14716638

ISC II 27 21 33 42.5–.99 10.46N–.06 126.4E–.10 44 3.5b 18 2-86
IDC II 27 21 33 36.3–1.6 10.26N 126.31E 0 4.5s,4.5 **¶12702050**
ISCJB II 27 21 33 41.1–.87 10.47N–.05 126.44E–.07 44 3.5b,4.5
MAN II 27 21 33 43 10.22N 126.44E 98 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=188.7km s-min=21.7km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=7.0km az=3.3.
ISC III 01 22 19 05.9–1.9 17.49N–.05 119.87E–.08 24–14 3.4b 23 1-90
ISCJB III 01 22 19 03.7–.92 17.45N–.03 119.78E–.05 20–7 3.4b,2.7s **¶12702219**
MAN III 01 22 19 05 17.41N 119.95E 22 3.4b,2.7s

IDC III 01 22 19 09.6–6.0 17.12N 120.31E 84–57 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.4km az=15.7.
IDC Error ellipse: s-maj=33.7km s-min=17.6km az=68.0.
ISC III 02 10 00 51.9–1.7 19.2N–.10 120.8E–.10 39 3.3b 10 1-88
IDC III 02 10 00 45.9–1.1 18.73N 121.42E 0 3.7,3.5 **¶12702251**
MAN III 02 10 00 49 19.04N 121.04E 1 4.5b,3.4L
ISCJB III 02 10 00 51.4–1.3 19.14N–.09 120.9E–.20 39 3.3b,3.0s
ISC Event type ke.
ISCJB Event type ke.
ISC III 02 16 26 59.0–22 11N–2.0 126.3E–.30 66 4 1-35
IDC III 02 16 26 23.3–1.5 14.24N 123.67E 0 3.4s,3.4 **¶12702282**
MAN III 02 16 27 11 10.01N 125.95E 54 4.0b,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=293.8km s-min=24.2km az=72.0.
ISC III 02 18 08 19.2–2.2 10.04N–.08 126.1E–.20 60–21 3.2b 17 1-52
IDC III 02 18 08 12.0–1.6 9.81N 125.44E 0 3.4,3.3b **¶12702287**
ISCJB III 02 18 08 19.1–1.3 9.99N–.07 126.02E–.10 77–12 3.2b,3.3b
MAN III 02 18 08 20 9.96N 125.90E 19 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=174.0km s-min=21.8km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=17.8km s-min=8.7km az=150.4.
ISC III 03 11 15 53.0–1.1 20.12N–.03 121.49E–.07 50–11 4.3b,3.6s 108 2-112
NIED III 03 11 15 00 20.50N 121.60E 35 4.3W,3.6s **¶12702341**
IDC III 03 11 15 46.1–.47 20.04N 121.51E 0 4.4,4.3
MAN III 03 11 15 51 20.11N 121.39E 78 4.9b,3.9s
ISCJB III 03 11 15 51.6–.40 20.13N–.02 121.61E–.05 55–4 4.3b,3.7s
NEIC III 03 11 15 51.4–.82 20.02N 121.49E 35–8 4.6b,3.7s
JMA III 03 11 15 53.0–.50 20.53N 121.56E 0 4.7,3.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ54.00000°,λ85.00000°. NP2:ϕ_s7.00000°,δ37.00000°,λ97.00000°. $M_0$3.60000×10^{15}
IDC Error ellipse: s-maj=17.6km s-min=10.5km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.1km az=10.8.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.1km az=76.0.
JMA Error ellipse: s-maj=5.6km s-min=7.3km az=-1.0.
ISC III 06 04 54 13.7–.80 20.09N–.09 121.1E–.20 34 3.9b,3.4s 13 2-97
IDC III 06 04 54 08.2–.86 20.09N 121.46E 0 4.0,3.9 **¶12702540**
ISCJB III 06 04 54 12.0–.62 20.14N–.06 121.3E–.20 34 3.8s,3.8b
MAN III 06 04 54 23 19.10N 121.24E 1 4.6b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=17.3km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=22.5km s-min=8.5km az=177.6.
ISC III 08 04 57 00.2–1.3 6.55N–.05 127.12E–.08 52–12 4.3b,3.4s 75 1-122
ISCJB III 08 04 57 00.8–.96 6.60N–.04 127.05E–.07 77–9 4.2b,3.4s **¶15153099**
IDC III 08 04 57 00.3–2.3 6.60N 127.18E 57–20 4.0,3.8b
NEIC III 08 04 57 01.1–1.2 6.59N 126.99E 65–11 4.3b,3.8b
AUST III 08 04 57 02.5 6.50N 127.01E 60 4.3b,3.8b
MAN III 08 04 57 07 6.75N 126.53E 16 5.0b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.6km az=162.5.
IDC Error ellipse: s-maj=21.0km s-min=10.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=5.6km az=67.0.
ISC III 08 05 01 23.2–1.5 7.0N–.10 127.2E–.10 60 3.5b 8 2-55
IDC III 08 05 01 17.4–1.7 6.86N 127.34E 0 3.7,3.5b **¶12702683**
ISC Event type ke.
IDC Error ellipse: s-maj=42.2km s-min=20.0km az=48.0.
ISC III 08 15 56 39.4–.73 5.8N–.10 127.1E–.20 150 3.8b 26 1-66
AUST III 08 15 56 31.7–6.0 4.54N 124.96E 0–0 3.8b **¶12702731**
ISCJB III 08 15 56 37.5–.63 5.86N–.10 127.3E–.10 150 3.7b
MAN III 08 15 56 39 5.72N 127.05E 115 4.6b,3.5L
IDC III 08 15 56 39.8–2.2 5.86N 127.21E 159–18 3.5,3.4b
ISC Event type ke.
AUST Error ellipse: s-maj=1.7km s-min=1.3km az=279.0.
ISCJB Event type ke. Error ellipse: s-maj=24.6km s-min=5.1km az=146.9.
IDC Error ellipse: s-maj=52.6km s-min=10.6km az=68.0.
IDC III 08 16 03 50.6–2.0 5.42N 127.08E 0 3.6b
¶12702732
IDC Error ellipse: s-maj=117.4km s-min=24.1km az=70.0.
MAN III 09 23 21 53 6.40N 127.43E 46 4.8b,3.7s
¶14716673
ISC III 12 09 03 10.1–.34 13.13N–.04 125.85E–.04 40 4.5b,3.9s 192 1-149
IDC III 12 09 03 03.6–.49 13.15N 125.87E 0 4.8L,4.5 **¶11845837**
BJI III 12 09 03 05.4 12.89N 126.04E 33 4.9b,4.6b
MOS III 12 09 03 06.9–1.4 13.11N 125.83E 33 4.8b,4.6b
ISCJB III 12 09 03 08.1–.26 13.15N–.03 125.82E–.04 40 4.5b,3.9s
NEIC III 12 09 03 09.1–.38 13.14N 125.86E 35 4.7b,3.9s
MAN III 12 09 03 10 13.07N 125.54E 68 5.3b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=10.8km az=81.0.
MOS Error ellipse: s-maj=12.8km s-min=7.2km az=119.1.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.8km az=4.1.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.7km az=79.0.
IDC III 13 04 55 32.9–.59 20.85N 121.35E 0 4.2,4.0
¶12703140
IDC Error ellipse: s-maj=23.4km s-min=13.6km az=73.0.
ISC III 14 13 34 46.9–1.5 10.07N–.06 126.03E–.10 64–14 3.8b 28 1-94
ISCJB III 14 13 34 45.5–1.1 10.08N–.06 126.09E–.08 70–11 3.7b **¶12703261**
MAN III 14 13 34 45 10.04N 126.07E 20 4.7b,3.6s
IDC III 14 13 34 54.1–10 9.95N 125.68E 132–95 3.5,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=7.3km az=150.9.
IDC Error ellipse: s-maj=43.8km s-min=21.9km az=60.0.
IDC III 15 12 32 47.7–1.9 12.87N 126.62E 0 3.7,3.5b
¶12703349
IDC Error ellipse: s-maj=67.8km s-min=22.7km az=63.0.
MAN III 17 11 38 54 10.19N 126.43E 33 4.9b,3.9s
¶14716699
ISC III 18 00 36 56.2–4.6 21.0N–.30 121.4E–.10 51–56 3.4b 18 1-86
IDC III 18 00 36 51.7–.96 21.09N 121.79E 0 3.8,3.6b **¶12703551**
TAP III 18 00 36 55.3 21.09N 121.32E 90–1 3.6L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=50.8km s-min=19.6km az=71.0.
TAP C.
ISC III 18 15 17 25.4–3.3 8.52N–.04 127.11E–.08 13–21 3.5b 24 2-88
IDC III 18 15 17 22.9–1.1 8.67N 127.18E 0 4.4L,3.7 **¶12703595**
MAN III 18 15 17 26 8.56N 126.94E 4 4.9b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=17.6km az=79.0.
MAN III 20 06 16 49 5.41N 127.84E 116 5.6b,5.0s
¶14716706
ISC III 20 19 16 60.0–.33 5.74N–.03 127.33E–.04 65–2 5.0b 508 2-147
MOS III 20 19 16 54.1–.95 5.74N 127.34E 33 5.4b,4.6s **¶13436858**
DJA III 20 19 16 56.4–.30 6N–3.0 127E–3.0 10 5.5,5.5b
BJI III 20 19 16 57.4 5.76N 127.38E 65 5.2b,5.0b
IDC III 20 19 16 57.8–1.3 5.68N 127.27E 48–11 4.6L,4.6
ISCJB III 20 19 16 57.0–.45 5.77N–.02 127.44E–.03 59–3 5.0b,4.6s
NEIC III 20 19 16 58.2–1.1 5.73N 127.33E 57–9 5.0b,4.6s
GCMT III 20 19 16 58.9–.20 5.66N 127.59E 27–0 5.3W,4.6s
TEH III 20 19 17 51.0 5.72N 127.25E 72 5.0L,4.6s
ISC Event type se.
MOS Error ellipse: s-maj=11.4km s-min=5.3km az=111.7.
IDC Error ellipse: s-maj=14.6km s-min=8.2km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.2km az=174.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=77.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s73,c110; s76,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}6.24±.23 $M_{\theta\theta}$1.91±.16; $M_{\phi\phi}$-8.15±.19; $M_{r\theta}$1.04±.34; $M_{\theta\phi}$0.42±.13; $M_{\phi r}$6.07±.40; Best double couple: NP1:ϕ_s164.00000°,δ26.00000°,λ69.00000°. NP2:ϕ_s7.00000°,δ66.00000°,λ100.00000°. Principal axes: T 8.7000,Plg68.0000° ,Azm296.00000°; N 1.7000,Plg9.0000°,Azm183.0000°; P -10.4000,Plg20.0000°,Azm90.0000° $M_0$9.50000×10^{16}

ISC III 20 19 27 37.7–.62 5.78N–.07 127.36E–.10 40–2 4.3s,4.3b 82 2-74
BJI III 20 19 27 33.5 5.45N 127.34E 34 4.8b,4.6b **¶12053719**
MAN III 20 19 27 36 5.82N 127.27E 1 5.2b,4.3s
NEIC III 20 19 27 38.7–1.9 5.92N 127.34E 44–17 4.3b,4.3s
IDC III 20 19 27 41.4–3.3 5.93N 127.35E 66–30 4.1L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=8.0km az=69.0.
IDC Error ellipse: s-maj=40.2km s-min=12.4km az=67.0.
IDC III 21 14 54 12.1–1.5 13.29N 125.20E 0 3.6,3.4b
¶12635193
IDC Error ellipse: s-maj=63.9km s-min=20.3km az=62.0.
IDC III 21 21 15 43.9–7.0 5.86N 127.76E 57–59 3.8L,3.4
¶12635218
IDC Error ellipse: s-maj=84.2km s-min=14.6km az=64.0.
IDC III 21 22 42 15.8–.93 13.40N 125.91E 0 4.1L,3.8
¶12635233
IDC Error ellipse: s-maj=39.6km s-min=16.6km az=74.0.
IDC III 23 23 42 11.5–.87 5.86N 127.33E 0 3.8,3.7b
¶12635429
IDC Error ellipse: s-maj=64.3km s-min=16.3km az=74.0.
ISC III 25 19 11 05.9–.93 19.89N–.08 121.2E–.20 34 3.7b 12 2-55
IDC III 25 19 11 00.8–1.3 20.08N 121.37E 0 3.8,3.7b **¶12635585**
MAN III 25 19 11 10 19.77N 120.83E 67 4.7b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=102.9km s-min=15.4km az=67.0.
ISC III 26 10 41 38.5–.83 20.84N–.04 121.85E–.05 107–8 4.4b 110 2-86
BJI III 26 10 41 18.0 20.21N 122.64E 5 4.5b,4.3b **¶12635631**
DJA III 26 10 41 31.6–.60 21N–6.0 124E–11 10 5.8b,5.3
ISCJB III 26 10 41 36.9–.34 20.83N–.02 121.89E–.04 107–4 4.5b,5.3
NEIC III 26 10 41 37.9–.67 20.84N 121.95E 102–7 4.4b,5.3
JMA III 26 10 41 38.8–.40 20.94N 121.92E 141 3.9,5.3
IDC III 26 10 41 40.9–2.1 20.82N 121.92E 130–20 4.1,4.0
MAN III 26 10 41 41 20.59N 121.74E 73 5.2b,4.3s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.6km az=7.9.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=6.7km az=75.0. Felt [III PIVS] at Basco.
JMA Error ellipse: s-maj=4.4km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=17.5km s-min=9.4km az=76.0.
MAN Event type fe. INTENSITY III - BASCO BATANES.
IDC III 27 19 59 41.0–1.0 20.46N 119.95E 0 3.5L,3.5
¶12635720
IDC Error ellipse: s-maj=41.9km s-min=19.9km az=65.0.
ISC III 29 11 59 34.8–1.3 19.79N–.03 120.68E–.04 17–7 4.9b,3.8s 269 1-151
NIED III 29 11 59 00 20.40N 120.60E 32 4.4W,3.8s **¶12062937**
IDC III 29 11 59 32.2–.45 19.83N 120.59E 0 4.8,4.7
ISCJB III 29 11 59 34.8–1.1 19.84N–.02 120.64E–.03 27–8 4.8b,3.8s
BJI III 29 11 59 35.0 19.91N 120.62E 20 4.8b,4.7b
MOS III 29 11 59 35.5–.89 19.84N 120.62E 33 5.1b,4.7b
MAN III 29 11 59 37 19.54N 120.58E 2 5.4b,4.7s
NEIC III 29 11 59 37.4–1.6 19.81N 120.64E 34–11 4.9b,4.7s
DJA III 29 11 59 44.0–3.4 20N–7.0 121E–10 84–34 5.4b,4.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s183.00000°,δ72.00000°,λ-22.00000°. NP2:ϕ_s280.00000°,δ69.00000°,λ-161.00000°. $M_0$4.41000×10^{15}
ISCJB Event type se.
NEIC Event type se.
MAN III 31 20 48 55 15.34N 122.06E 36 4.2b,3.0L
¶14716838
IDC IV 01 09 58 29.2–1.1 19.59N 122.28E 0 3.6,3.5
¶16152219
IDC Error ellipse: s-maj=42.9km s-min=21.4km az=65.0.
IDC IV 01 16 29 18.6–1.9 5.16N 127.46E 0 3.7,3.5b
¶16152232
IDC Error ellipse: s-maj=100.3km s-min=25.3km az=69.0.
MAN IV 02 08 19 08 17.31N 119.84E 1 4.6b,3.5L
¶14716842
IDC IV 02 13 42 15.1–1.3 20.04N 122.51E 0 3.5,3.5L
¶16152270
IDC Error ellipse: s-maj=50.7km s-min=24.5km az=73.0.
ISC IV 03 04 57 22.0–.60 20.58N–.09 120.7E–.10 26 4.4b,3.2s 47 15-86
IDC IV 03 04 57 17.8–.74 20.55N 120.72E 0 4.3,4.1b **¶12605960**
BJI IV 03 04 57 19.5 20.55N 120.41E 21 4.7b,4.3s
ISCJB IV 03 04 57 20.2–.39 20.54N–.06 120.64E–.08 26 4.2b,3.2s
NEIC IV 03 04 57 25.4–2.1 20.53N 120.62E 55–21 4.3b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=16.9km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.9km az=164.8.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.5km az=70.0.
ISC IV 04 05 31 57.8–.23 5.16N–.02 127.19E–.03 69–1 6.2b 2267 2-169
BJI IV 04 05 31 51.4 4.76N 127.60E 55 6.1b,6.0s **¶15153551**
MOS IV 04 05 31 52.8–.78 5.31N 127.20E 33 6.3b,5.7s
MAN IV 04 05 31 53 4.79N 127.33E 107 6.4b,6.3s
NEIC IV 04 05 31 55.5–.10 5.15N 127.20E 48 6.5,6.3W
AUST IV 04 05 31 57.0–.20 5.05N 127.26E 61–0 6.5,6.3W
ISCJB IV 04 05 31 57.8–.32 5.07N–.01 127.19E–.02 84–2 6.0b,6.3W
IDC IV 04 05 31 57.1–.73 5.16N 127.19E 58–5 5.8,5.8
TEH IV 04 05 31 58.0 5.11N 127.21E 68 6.3L,5.8
GCMT IV 04 05 31 59.0–.10 5.21N 127.20E 57–0 6.2W,5.8
DJA IV 04 05 32 01.3–.30 5N–2.0 127E–2.0 88–3 6.9,6.6b
SZGRF IV 04 05 32 32.3 11.62N 122.99E 71 5.9b,5.9s
ISC Event type fe.
MOS Error ellipse: s-maj=10.3km s-min=4.9km az=122.9.
MAN Event type fe. INTENSITY III - MATI DAVAO ORIENTAL; GENERAL SANTOS CITY; DAVAO CITY KIDAPAWAN CITY NORTH COTABATO.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.3km az=74.0. Felt [III PIVS] at Davao, General Santos, Kidapawan and Mati; [II PIVS] at Malita; [I PIVS] at Makilala, Mindanao. Also felt at Tagum. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s59 Moment tensor: Scale 10^{18} Nm; M_{rr}1.55 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-1.96 $M_{r\theta}$-0.94 $M_{\theta\phi}$2.07 $M_{\phi r}$-0.21 Best double couple: NP1: ϕ_s295.00000°,δ63.00000°,λ37.00000°. NP2:ϕ_s186.00000°,δ57.00000°,λ148.00000°. Principal axes: T 2.5100,Plg44.0000°,Azm152.0000°; N 0.6700,Plg45.0000°,Azm325.0000° ; P -3.1800,Plg3.0000°,Azm59.0000° $M_0$2.90000×10^{18}
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=227.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=164.3.
IDC Error ellipse: s-maj=9.7km s-min=6.2km az=88.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=126, comp=287, per= 50. Moment Tensor Solution. s117,c280; s98,c163; Moment tensor: Scale 10^{18}Nm; M_{rr}1.94±.02 $M_{\theta\theta}$0.23±.02; $M_{\phi\phi}$-1.71±.02; $M_{r\theta}$-1.07±.02; $M_{\theta\phi}$2.04±.01; $M_{\phi r}$-0.25±.02; Best double couple: NP1:ϕ_s175.00000°,δ50.00000°,λ137.00000°. NP2:ϕ_s296.00000°,δ59.00000°,λ49.00000°. Principal axes: T 2.6700,Plg55.0000°,Azm151.0000°; N 0.5000,Plg34.0000°,Azm321.0000° ; P -3.1800,Plg5.0000°,Azm54.0000° $M_0$2.90000×10^{18}
SZGRF Panay, Philippine Islands.
ISC IV 04 06 05 38.4–1.1 5.02N–.05 127.2E–.10 99–10 4.5b 84 2-123
IDC IV 04 06 05 26.0–.69 5.25N 127.43E 0 4.5,4.4b **¶15153541**
MAN IV 04 06 05 31 4.75N 127.15E 14 5.0b,4.1s
NEIC IV 04 06 05 35.7–1.4 5.11N 127.26E 72–13 4.5b,4.1s
ISCJB IV 04 06 05 36.4–.67 5.08N–.04 127.16E–.07 94–6 4.5b,4.1s
DJA IV 04 06 05 36.9–.90 5N–6.0 128E–7.0 92–8 5.5b,5.3
AUST IV 04 06 05 58.5 4.50N 127.01E 300 5.5b,5.3
ISC Event type se.
IDC Error ellipse: s-maj=54.2km s-min=13.2km az=72.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=6.8km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=4.8km az=162.3.
IDC IV 04 11 41 18.4–1.4 5.16N 127.01E 0 4.0,3.8
¶16152357
IDC Error ellipse: s-maj=98.3km s-min=16.8km az=68.0.
IDC IV 04 14 16 21.7–1.3 5.12N 127.31E 0 3.8,3.7
¶16152370
IDC Error ellipse: s-maj=110.1km s-min=15.8km az=71.0.
ISC IV 04 15 39 44.8–.61 5.13N–.05 127.18E–.07 76 4.1b 39 2-123
IDC IV 04 15 39 34.3–.88 5.35N 127.68E 0 4.2,4.1b **¶15153555**

AUST IV 04 15 39 35.2–4.6 6.45N 127.98E 88–0 4.2,4.1b
DJA IV 04 15 39 41.3–.70 5N–5.0 127E–7.0 10 4.9b,4.9b
MAN IV 04 15 39 42 5.12N 127.09E 9 4.8b,3.7s
ISCJB IV 04 15 39 43.3–.41 5.13N–.03 127.26E–.05 76 4.0b,3.7s
ISC Event type ke.
ISCJB Event type ke.
IDC IV 04 21 55 54.8–2.3 5.16N 127.15E 0 3.7,3.5
¶16152388

IDC Error ellipse: s-maj=175.7km s-min=26.6km az=66.0.
MAN IV 05 01 37 13 10.08N 127.10E 8 4.3b,3.1L
¶14716862

ISC IV 05 06 28 36.8–1.8 5.11N–.09 127.5E–.10 70–16 4.4b 49 2-123
IDC IV 05 06 28 27.9–.80 5.19N 127.45E 0 4.5,4.3b ¶12742014
NEIC IV 05 06 28 36.3–1.2 5.10N 127.41E 64–11 4.4b,4.3b
ISCJB IV 05 06 28 36.3–1.1 5.06N–.07 127.4E–.10 82–9 4.2b,4.3b
MAN IV 05 06 28 37 5.16N 127.32E 27 4.9b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=60.0km s-min=15.3km az=73.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=5.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=8.6km az=152.7.
IDC IV 06 01 32 17.3–38 6.34N 127.39E 0 3.9,3.8
¶16152432

IDC Error ellipse: s-maj=637.4km s-min=178.5km az=161.0.
IDC IV 06 10 27 05.7–2.2 5.27N 127.56E 0 3.6,3.4
¶16152452

IDC Error ellipse: s-maj=158.3km s-min=25.7km az=66.0.
IDC IV 06 15 14 15.1–1.7 5.18N 127.35E 0 3.9,3.8
¶16152465

IDC Error ellipse: s-maj=101.1km s-min=22.3km az=68.0.
ISC IV 08 11 01 37.7–1.6 15.19N–.05 122.23E–.06 24–14 3.2b 22 1-46
MAN IV 08 11 01 36 15.19N 122.23E 1 4.6b,3.5L ¶12934809
IDC IV 08 11 01 38.0–1.6 14.76N 122.40E 0 3.4,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=23.9km az=33.0.
ISC IV 08 11 36 33.6–.97 10.05N–.05 126.46E–.09 44 4.0b 25 1-94
IDC IV 08 11 36 30.1–4.2 10.70N 126.40E 0 4.0,3.9 ¶12934806
ISCJB IV 08 11 36 31.9–.77 10.07N–.05 126.53E–.06 44 3.9b,3.9
MAN IV 08 11 36 33 10.04N 126.45E 37 4.7b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=115.3km s-min=35.9km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=7.2km az=26.6.
IDC IV 09 05 44 07.1–1.2 5.25N 127.36E 0 3.9,3.8
¶16152576

IDC Error ellipse: s-maj=92.6km s-min=16.4km az=70.0.
ISC IV 09 17 15 05.1–1.4 20.75N–.06 121.3E–.10 42–15 3.7b,2.9s 25 2-86
IDC IV 09 17 14 59.6–.78 20.86N 121.40E 0 3.9,3.7 ¶12934874
NIED IV 09 17 15 00 20.80N 121.70E 5 4.0W,3.7
JMA IV 09 17 15 02.9–.40 20.75N 121.73E 0 4.1,3.7
ISCJB IV 09 17 15 03.9–.83 20.76N–.05 121.3E–.10 46–10 3.6b,3.1s
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s146.00000°,δ79.00000°,λ95.00000°. NP2:ϕ_s302.00000°,δ12.00000°,λ67.00000°. $M_0$1.03000×10^{15}
ISCJB Event type ke.
MAN IV 10 04 17 40 10.44N 126.38E 21 4.5b,3.4L
¶14716885

ISC IV 10 18 37 07.4–.89 5.14N–.10 127.3E–.20 76 4.0b 28 2-71
IDC IV 10 18 36 58.3–1.2 5.23N 127.49E 0 3.9,3.8 ¶12934950
ISCJB IV 10 18 37 05.8–.64 5.13N–.09 127.4E–.10 76 3.8b,3.8
NEIC IV 10 18 37 06.9–1.8 5.10N 127.26E 69–16 4.0b,3.8
MAN IV 10 18 37 14 5.51N 126.76E 14 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=109.4km s-min=15.5km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=6.7km az=150.0.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=8.3km az=69.0.
IDC IV 10 20 35 24.9–2.9 7.77N 127.77E 0
¶16152637

IDC Error ellipse: s-maj=205.4km s-min=27.0km az=67.0.
IDC IV 11 00 02 04.8–1.9 5.08N 127.03E 0 3.7,3.5
¶16152644

IDC Error ellipse: s-maj=109.3km s-min=24.9km az=68.0.
ISC IV 11 09 50 24.9–.43 13.48N–.04 125.62E–.06 18–1 4.5b,3.6s 159 1-149
BJI IV 11 09 50 18.7 13.07N 125.92E 12 5.0b,4.4s ¶13438374
ISCJB IV 11 09 50 21.6–1.3 13.49N–.03 125.61E–.04 8–8 4.5b,3.6s
IDC IV 11 09 50 21.7–.53 13.51N 125.64E 0 4.9L,4.4
NEIC IV 11 09 50 23.4–.22 13.48N 125.64E 10 4.7b,4.4
MAN IV 11 09 50 24 13.55N 125.56E 56 5.4b,4.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.9km az=3.8.
IDC Error ellipse: s-maj=18.9km s-min=12.5km az=85.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.6km az=82.0.
IDC IV 11 13 21 51.7–1.9 13.44N 125.65E 0 4.4s,4.4
¶16152665

IDC Error ellipse: s-maj=180.9km s-min=21.3km az=69.0.
ISC IV 12 04 46 30.7–.39 5.06N–.04 127.24E–.06 82–2 4.6b 216 2-151
IDC IV 12 04 46 27.4–1.8 5.04N 127.30E 57–16 4.3,4.2 ¶15153672
ISCJB IV 12 04 46 28.8–.51 5.06N–.02 127.28E–.04 81–4 4.5b,4.2
NEIC IV 12 04 46 29.7–.88 5.04N 127.28E 77–8 4.7b,4.2
BJI IV 12 04 46 30.1 5.13N 127.14E 81 4.9b,4.6b
AUST IV 12 04 46 31.9 5.00N 127.51E 100 4.9b,4.6b
DJA IV 12 04 46 33.3–.50 5N–3.0 127E–3.0 61–10 5.3b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IV 13 03 36 26.9–.42 5.19N–.05 127.32E–.08 76 4.5b 109 2-123
AUST IV 13 03 36 23.5–1.2 5.12N 127.27E 40–0 4.5b ¶15153684
ISCJB IV 13 03 36 25.2–.26 5.17N–.03 127.25E–.05 76 4.4b
MAN IV 13 03 36 26 5.27N 127.00E 3 4.8b,3.7s
IDC IV 13 03 36 26.7–1.9 5.13N 127.17E 75–16 4.2,4.1
NEIC IV 13 03 36 28.1–.97 5.14N 127.21E 88–8 4.6b,4.1
BJI IV 13 03 36 28.0 5.10N 127.20E 100 4.8b,4.7b
DJA IV 13 03 36 30.0–1.0 5N–8.0 127E–9.0 134–28 4.9b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
MAN IV 15 19 22 44 17.35N 119.81E 20 4.6b,3.5L
¶14717276

ISC IV 16 01 07 23.0–.43 12.35N–.05 126.33E–.07 41 4.5b 92 2-148
IDC IV 16 01 07 16.9–.53 12.39N 126.45E 0 4.5,4.4 ¶12935391
MAN IV 16 01 07 20 12.40N 126.36E 51 4.9b,3.9s
ISCJB IV 16 01 07 21.3–.35 12.32N–.04 126.33E–.04 41 4.4b,3.9s
NEIC IV 16 01 07 23.1–1.4 12.32N 126.37E 42–13 4.6b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=13.0km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.4km az=136.7.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.3km az=72.0.
ISC IV 18 07 03 06.4–1.2 5.7N–.20 127.3E–.10 100 3.5b 8 2-83
ISCJB IV 18 07 03 05.3–.71 5.76N–.10 127.28E–.08 100 3.7b ¶16152973
IDC IV 18 07 03 13.2–8.6 5.66N 127.18E 160–84 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=10.5km az=25.9.
IDC Error ellipse: s-maj=38.6km s-min=15.5km az=76.0.
IDC IV 18 14 37 16.4–1.8 5.18N 127.17E 0 3.7,3.6
¶16152992

IDC Error ellipse: s-maj=97.6km s-min=23.3km az=68.0.
ISC IV 20 08 03 03.5–.42 7.56N–.05 127.18E–.07 52 4.3b,3.6s 92 1-122
BJI IV 20 08 02 58.9 7.70N 127.10E 20 5.2b,4.8b ¶15153831
MAN IV 20 08 02 59 7.38N 127.33E 49 5.0b,4.0s
IDC IV 20 08 03 00.9–4.0 7.52N 126.88E 28–27 4.2,4.1
ISCJB IV 20 08 03 02.0–.30 7.58N–.04 127.20E–.04 52 4.3b,3.7s
NEIC IV 20 08 03 02.1–.43 7.62N 127.11E 35 4.3b,3.7s
AUST IV 20 08 03 04.0–3.1 7.58N 127.21E 64–0 4.3b,3.7s

ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=11.7km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=5.6km az=172.6.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.0km az=91.0.
AUST Error ellipse: s-maj=3.2km s-min=1.4km az=231.0.
ISC IV 20 15 09 40.0–1.2 8.7N–.10 127.3E–.10 34 3.8b 11 2-58
IDC IV 20 15 09 34.7–1.2 8.71N 127.49E 0 4.1L,4.0 ¶16153152
ISCJB IV 20 15 09 37.7–1.1 8.7N–.10 127.4E–.10 34 3.6b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IV 21 00 37 37.0–.46 19.01N–.03 121.31E–.05 46 4.2b,3.7s 132 1-120
NEIC IV 21 00 37 33.7–.42 18.77N 121.62E 35 4.6b,3.7s ¶13438934
BJI IV 21 00 37 34.9 19.11N 121.13E 15 4.7b,4.5b
ISCJB IV 21 00 37 35.1–.27 19.02N–.02 121.49E–.05 46 4.2b,3.6s
MAN IV 21 00 37 35 18.74N 121.46E 1 5.3b,4.5s
IDC IV 21 00 37 36.6–4.1 18.79N 121.60E 62–38 4.0,4.0L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=7.2km az=103.0. Felt [III PIVS] on Fuga Island and [II PIVS] at Aparri.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.5km az=174.8.
MAN Event type fe. INTENSITY III - FUGA ISLAND; INTENSITY II - APARRI CAGAYAN.
IDC Error ellipse: s-maj=18.1km s-min=15.0km az=65.0.
ISC IV 21 18 47 38.1–.37 12.32N–.03 126.33E–.04 41–2 4.9b,4.1s 360 2-148
BJI IV 21 18 47 32.9 11.74N 126.41E 40 5.0b,4.8b ¶13438970
IDC IV 21 18 47 32.0–.47 12.29N 126.34E 0 4.8,4.8
MOS IV 21 18 47 35.2–.99 12.28N 126.34E 33 5.3b,4.8
ISCJB IV 21 18 47 35.8–.98 12.38N–.02 126.32E–.03 33–6 4.9b,4.1s
NEIC IV 21 18 47 36.9–2.7 12.27N 126.29E 33–19 4.9b,4.1s
GCMT IV 21 18 47 36.5–.20 12.46N 126.31E 17–0 5.1W,4.1s
TEH IV 21 18 47 37.0 12.25N 126.25E 28 5.0L,4.1s
DJA IV 21 18 47 37.3–1.7 13N–12 127E–9.0 51–17 5.3b,5.0b
MAN IV 21 18 47 37 12.36N 126.13E 56 5.6b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=19.1km s-min=11.6km az=85.0.
MOS Error ellipse: s-maj=10.6km s-min=5.5km az=118.5.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=168.9.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.8km az=74.0.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s28,c32; s72,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.01±.27 $M_{\theta\theta}$0.17±.14; $M_{\phi\phi}$4.84±.19; $M_{r\theta}$1.02±.39; $M_{\theta\phi}$-1.28±.10; $M_{\phi r}$-0.45±.34; Best double couple: NP1:ϕ_s175.00000°,δ42.00000°,λ-75.00000°. NP2:ϕ_s336.00000°,δ50.00000°,λ-103.00000°. Principal axes: T 5.2200,Plg4.0000° ,Azm75.0000°; N -0.0100,Plg10.0000°,Azm344.0000°; P -5.2100,Plg79.0000° ,Azm187.0000° $M_0$5.20000×10^{16}
MAN Event type fe. INTENSITY II - CAN-AVID EASTERN SAMAR.
IDC IV 23 02 25 27.7–1.2 19.03N 120.71E 0 3.6,3.4
¶16153290

IDC Error ellipse: s-maj=80.1km s-min=25.4km az=70.0.
ISC IV 24 10 55 49.5–.28 19.02N–.02 121.33E–.03 41–2 4.7b,4.2s 338 1-171
MOS IV 24 10 55 46.1–.92 18.93N 121.38E 33 5.0b,4.4s ¶15153931
BJI IV 24 10 55 46.4 19.14N 121.34E 13 4.9b,4.6b
NEIC IV 24 10 55 48.2–.20 18.95N 121.36E 32 4.9b,4.6b
IDC IV 24 10 55 48.9–2.3 18.93N 121.43E 40–19 4.4,4.4
ISCJB IV 24 10 55 49.6–.42 19.08N–.02 121.29E–.03 54–4 4.7b,4.2s
GCMT IV 24 10 55 52.6–.30 19.20N 121.01E 46–1 5.0W,4.2s
MAN IV 24 10 55 54 18.58N 121.15E 3 5.4b,4.8s
DJA IV 24 10 56 05.7–.80 19N–6.0 121E–7.0 174–14 5.1b,4.9
ISC Event type fe.
NEIC Event type fe. Felt [IV PIVS] at Sanchez Mira and [III PIVS] at Aparri and San Antonio.
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c56; s63,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}3.59±.20 $M_{\theta\theta}$0.08±.15; $M_{\phi\phi}$-3.67±.16; $M_{r\theta}$-0.55±.10; $M_{\theta\phi}$-2.24±.09; $M_{\phi r}$-1.85±.13; Best double couple: NP1:ϕ_s31.00000°,δ33.00000°,λ100.00000°. NP2:ϕ_s200.00000°,δ58.00000°,λ84.00000°. Principal axes: T 4.0300,Plg77.0000° ,Azm91.0000°; N 1.1000,Plg5.0000°,Azm203.0000°; P -5.1300,Plg12.0000°,Azm294.0000° $M_0$4.60000×10^{16}
MAN Event type fe. INTENSITY IV - SANCHEZ MIRA CAGAYAN; INTENSITY III - BGY SAN ANTONIO APARRI CAGAYAN.
ISC IV 25 19 42 38.1–.75 8.05N–.08 127.49E–.08 31 4.1b 33 2-122
ISCJB IV 25 19 42 36.4–.55 8.10N–.06 127.51E–.06 31 4.1b ¶12936129
MAN IV 25 19 42 53 7.49N 126.50E 136 4.7b,3.5s
IDC IV 25 19 42 53.2–2.0 7.55N 126.42E 148–14 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=7.6km az=141.2.
IDC Error ellipse: s-maj=50.8km s-min=12.4km az=68.0.
MAN IV 27 18 47 17 10.02N 126.36E 30 4.3b,3.1L
¶14717446

ISC IV 27 23 18 41.7–.60 7.57N–.06 127.13E–.09 52 4.0b 32 1-122
AUST IV 27 23 18 33.0 7.99N 127.53E 15 4.0b ¶15153984
ISCJB IV 27 23 18 40.0–.44 7.56N–.05 127.17E–.06 52 4.0b,2.9s
MAN IV 27 23 18 40 7.64N 127.06E 13 4.8b,3.8s
IDC IV 27 23 18 46.1–2.2 7.50N 126.74E 92–20 3.8,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.2km az=136.7.
IDC Error ellipse: s-maj=34.8km s-min=12.6km az=79.0.
ISC IV 30 15 44 47.7–1.6 5.9N–.20 127.2E–.20 10 3.6b 8 1-59
IDC IV 30 15 44 46.2–1.4 5.76N 126.95E 0 3.7,3.6 ¶12936496
MAN IV 30 15 44 50 5.94N 127.10E 8 4.8b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=101.8km s-min=18.2km az=70.0.
IDC V 01 22 40 13.5–.87 13.19N 125.93E 0 4.0,3.9b
¶16154719

IDC Error ellipse: s-maj=43.1km s-min=14.2km az=70.0.
IDC V 02 21 50 19.2–.96 20.45N 120.63E 0 3.7,3.6
¶16154849

IDC Error ellipse: s-maj=29.9km s-min=18.9km az=70.0.
MAN V 05 04 39 57 17.63N 123.00E 31 4.6b,3.5s
¶14717495

MAN V 06 00 38 14 19.07N 120.68E 1 4.7b,3.6s
¶14717497

IDC V 06 09 05 32.9–6.5 20.76N 120.98E 54–65 3.8,3.6L
¶16155449

IDC Error ellipse: s-maj=24.2km s-min=15.3km az=79.0.
MAN V 07 15 46 19 19.35N 121.16E 4 4.6b,3.4L
¶14717501

IDC V 08 03 54 41.3–1.5 5.90N 127.18E 0 3.7,3.5b
¶16155503

IDC Error ellipse: s-maj=73.7km s-min=18.4km az=58.0.
MAN V 10 18 59 54 17.45N 123.21E 27 4.4b,3.3L
¶14717510

IDC V 11 07 51 32.0–2.7 9.44N 127.38E 0 3.8,3.6
¶16155628

IDC Error ellipse: s-maj=156.3km s-min=25.6km az=69.0.
ISC V 16 00 36 15.4–.50 19.10N–.03 121.25E–.06 22–3 4.2b,3.5s 120 1-115
IDC V 16 00 36 10.6–.59 18.94N 121.33E 0 4.3L,4.1 ¶12828722
BJI V 16 00 36 15.4 19.26N 120.89E 6 4.6b,4.5b
NEIC V 16 00 36 15.4–2.0 18.96N 121.13E 26–14 4.4b,4.5b
MAN V 16 00 36 18 19.01N 121.15E 14 5.1b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=14.0km az=68.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.1km az=111.0.
ISC V 16 22 53 57.1–1.1 19.07N–.09 121.0E–.10 39 3.5b 11 1-88
IDC V 16 22 53 48.6–1.1 18.74N 121.32E 0 3.7,3.4 ¶13679085
ISCJB V 16 22 53 55.9–.85 19.17N–.09 121.1E–.20 39 3.4b,3.0s
MAN V 16 22 54 05 18.35N 121.17E 17 4.2b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=74.3km s-min=21.9km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=22.8km s-min=8.6km az=154.1.
ISC V 20 01 00 12.5–.90 6.6N–.10 127.8E–.10 71 4.0b 19 2-123
ISCJB V 20 01 00 11.3–.75 6.63N–.10 127.81E–.08 71 3.8b ¶15154427
AUST V 20 01 00 15.3–.05 5.93N 125.95E 60–1 3.8b
IDC V 20 01 00 21.8–1.6 6.09N 126.72E 144–12 3.7,3.5

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=6.0km az=35.8.
AUST Error ellipse: s-maj=2.9km s-min=1.1km az=245.0.
IDC Error ellipse: s-maj=39.1km s-min=11.4km az=74.0.

MAN	**V**	**21 06 39 01**	**19.04N**	**119.51E**	**38**	**4.7b,3.6s**		
								¶14717536
ISC	**V**	**21 07 35 28.3–.26**	**7.88N–.02**	**127.09E–.04**	**40–1**	**5.0b,4.5s**	**457**	**1-163**
BJI	V	21 07 35 24.9	7.63N	126.99E	37	5.1b,5.0b		**¶15154449**
MOS	V	21 07 35 25.9–1.1	7.86N	126.79E	33	5.3b,4.5s		
AUST	V	21 07 35 25.8	7.99N	127.53E	35	5.3b,4.5s		
MAN	V	21 07 35 26	7.81N	127.19E	52	5.6b,5.1s		
IDC	V	21 07 35 27.4–2.1	7.80N	126.82E	33–15	4.7,4.6		
NEIC	V	21 07 35 28.6–.22	7.82N	126.90E	39	5.0b,4.6		
ISCJB	V	21 07 35 29.5–.48	7.81N–.02	126.93E–.04	66–4	4.9b,4.6		
GCMT	V	21 07 35 30.5–.20	7.96N	127.22E	14–0	5.2W,4.6		
DJA	V	21 07 35 36.5–.70	7N–5.0	127E–4.0	52–6	6.0,5.5b		

ISC Event type fe.
MAN Event type fe. INTENSITY II - CATEEL DAVAO ORIENTAL.
NEIC Event type fe. Felt [III PIVS] at Cotabato.
ISCJB Event type fe.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s54,c68; s77,c133; Moment tensor: Scale 10^{16}Nm; M_{rr}5.76±.24 $M_{\theta\theta}$0.31±.14; $M_{\phi\phi}$-6.07±.17; $M_{r\theta}$0.44±.35; $M_{\theta\phi}$0.19±.10; $M_{\phi r}$3.82±.37; Best double couple: NP1:ϕ_s173.00000°,δ29.00000°,λ82.00000°. NP2:ϕ_s3.00000°,δ62.00000°,λ95.00000°. Principal axes: T 6.9200,Plg73.0000° ,Azm284.0000°; N 0.2800,Plg4.0000°,Azm181.0000°; P -7.2000,Plg16.0000°,Azm90.0000° M_o7.10000×10^{16}

ISC	**V**	**21 14 49 29.9–.33**	**7.77N–.03**	**127.08E–.04**	**55–2**	**4.7b,4.1s**	**303**	**1-122**
NEIC	V	21 14 49 24.5–.29	7.82N	127.00E	10	4.9b,4.1s		**¶15154436**
DJA	V	21 14 49 24.8–3.4	8N–32	127E–8.0	68–32	5.5,5.4b		
MOS	V	21 14 49 25.7–1.2	7.75N	126.73E	33	5.0b,5.4b		
MAN	V	21 14 49 25	7.71N	127.31E	46	5.4b,4.7s		
ISCJB	V	21 14 49 28.6–.52	7.77N–.02	127.07E–.04	60–4	4.7b,4.7s		
GCMT	V	21 14 49 30.4–.30	7.70N	127.26E	22–1	5.0W,4.7s		
AUST	V	21 14 49 30.9	7.49N	127.52E	60	5.0W,4.7s		
BJI	V	21 14 49 30.4	7.88N	126.88E	61	5.0b,4.7b		
IDC	V	21 14 49 34.3–1.2	7.70N	126.85E	94–10	4.2,4.2b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.1km az=82.0.
MOS Error ellipse: s-maj=14.5km s-min=6.2km az=108.9.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.6km az=161.7.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s32,c40; s68,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}3.11±.19 $M_{\theta\theta}$0.22±.11; $M_{\phi\phi}$-3.32±.13; $M_{r\theta}$1.16±.20; $M_{\theta\phi}$-0.56±.08; $M_{\phi r}$1.89±.18; Best double couple: NP1:ϕ_s175.00000°,δ30.00000°,λ67.00000°. NP2:ϕ_s22.00000°,δ62.00000°,λ103.00000°. Principal axes: T 3.8900,Plg70.0000° ,Azm319.0000°; N 0.1300,Plg12.0000°,Azm196.0000°; P -4.0100,Plg16.0000° ,Azm102.0000° M_o4.00000×10^{16}

IDC Error ellipse: s-maj=14.4km s-min=7.1km az=81.0.

ISC	**V**	**21 17 47 16.2–.69**	**7.97N–.07**	**127.2E–.10**	**46**	**3.8b**	**19**	**2-95**
IDC	V	21 17 47 09.8–.69	7.90N	126.83E	0	3.8,3.7		**¶13679384**
ISCJB	V	21 17 47 14.2–.58	8.00N–.06	127.30E–.07	46	3.6b,3.7		
MAN	V	21 17 47 18	8.13N	126.85E	103	4.7b,3.6s		

ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=14.9km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=9.1km az=178.8.

MAN	**V**	**21 19 12 02**	**7.67N**	**127.23E**	**33**	**4.4b,3.2L**		
								¶14717543
ISC	**V**	**22 01 43 16.8–.84**	**7.66N–.08**	**127.2E–.10**	**52**	**3.9b**	**17**	**1-122**
IDC	V	22 01 43 09.9–.82	7.69N	127.01E	0	4.0,3.9		**¶16156009**
ISCJB	V	22 01 43 15.2–.71	7.65N–.07	127.20E–.07	52	3.8b,3.9		

ISC Event type ke.
ISCJB Event type ke.

ISC	**V**	**22 21 18 56.6–3.8**	**7.85N–.08**	**127.3E–.10**	**30–26**	**3.8b**	**18**	**1-88**
IDC	V	22 21 18 52.0–.82	8.01N	127.40E	0	4.3L,3.9		**¶16156031**
ISCJB	V	22 21 18 54.3–2.6	7.94N–.06	127.40E–.06	27–19	3.8b,3.9		

ISC Event type ke.
ISCJB Event type ke.

IDC	**V**	**23 01 04 27.8–.91**	**8.10N**	**127.23E**	**0**	**4.1,3.9**		
								¶16156035

IDC Error ellipse: s-maj=30.3km s-min=19.0km az=93.0.

IDC	**V**	**23 23 33 45.7–6.4**	**19.73N**	**120.33E**	**139–60**	**3.5,3.3**		
								¶16156066

IDC Error ellipse: s-maj=43.5km s-min=13.9km az=70.0.

MAN	**V**	**24 06 39 01**	**19.04N**	**119.51E**	**38**	**4.7b,3.6s**		
								¶14717545
IDC	**V**	**26 01 30 54.2–1.1**	**20.47N**	**120.27E**	**0**	**3.7,3.5**		
								¶16156167

IDC Error ellipse: s-maj=75.7km s-min=22.0km az=64.0.

ISC	**V**	**28 20 03 02.6–1.9**	**19.19N–.07**	**121.21E–.07**	**12–12**	**3.8b**	**22**	**1-88**
IDC	V	28 20 02 59.4–.83	19.07N	121.34E	0	3.9,3.7		**¶13679846**
ISCJB	V	28 20 03 02.3–1.6	19.33N–.04	121.13E–.08	15–12	3.6b,3.7		
MAN	V	28 20 03 04	19.07N	121.20E	1	4.8b,3.8s		

ISC Event type ke.
IDC Error ellipse: s-maj=39.8km s-min=15.8km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=7.2km az=174.7.

IDC	**V**	**29 18 32 11.5–1.7**	**8.38N**	**127.14E**	**0**	**3.5,3.5**		
								¶16156325

IDC Error ellipse: s-maj=36.0km s-min=26.4km az=77.0.

ISC	**V**	**30 03 14 18.0–.52**	**7.66N–.05**	**127.06E–.07**	**76–3**	**4.4b**	**132**	**2-122**
MAN	V	30 03 14 10	7.73N	127.21E	17	7.0L,4.8b		**¶15155602**
AUST	V	30 03 14 14.0	7.49N	127.52E	35	7.0L,4.8b		
ISCJB	V	30 03 14 16.5–1.0	7.65N–.04	127.05E–.07	77–8	4.3b,4.8b		
NEIC	V	30 03 14 19.0–1.2	7.67N	126.93E	86–11	4.4b,4.8b		
IDC	V	30 03 14 19.3–2.0	7.68N	126.89E	87–17	4.1,4.0b		

ISC Event type fe.
MAN Event type fe. INTENSITY II - TAGASAKA HINATUAN SURIGAO DEL SUR.
ISCJB Event type fe. Error ellipse: s-maj=12.3km s-min=5.5km az=162.9.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=6.0km az=75.0. Felt [II PIVS] at Hinatuan and Tagasaka. Also felt at Davao.
IDC Error ellipse: s-maj=21.7km s-min=10.4km az=79.0.

IDC	**V**	**30 08 01 48.1–2.9**	**13.84N**	**118.43E**	**0**	**3.6,3.4**		
								¶16066071

IDC Error ellipse: s-maj=441.2km s-min=25.4km az=61.0.

ISC	**VI**	**02 02 06 47.4–1.1**	**19.30N–.09**	**121.10E–.09**	**39**	**3.3b**	**13**	**1-87**
IDC	VI	02 02 06 41.7–1.1	19.29N	121.50E	0	3.7,3.5		**¶13680179**
MAN	VI	02 02 06 44	19.41N	121.07E	33	4.3b,3.1L		
ISCJB	VI	02 02 06 45.8–.95	19.37N–.06	121.11E–.10	39	3.4b,3.1L		

ISC Event type ke.
ISCJB Event type ke.

ISC	**VI**	**05 17 46 33.2–.84**	**13.63N–.05**	**125.30E–.09**	**24**	**3.6b**	**19**	**1-118**
IDC	VI	05 17 46 29.8–.93	13.55N	125.32E	0	3.8,3.6b		**¶13680562**
ISCJB	VI	05 17 46 31.3–.70	13.66N–.04	125.42E–.09	24	3.6b,2.6s		
MAN	VI	05 17 46 33	13.56N	125.20E	99	4.9b,3.9s		

ISC Event type ke.
IDC Error ellipse: s-maj=79.5km s-min=16.8km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=5.9km az=175.8.

ISC	**VI**	**07 19 07 37.9–.56**	**11.28N–.05**	**126.11E–.07**	**33**	**4.0b**	**58**	**1-91**
IDC	VI	07 19 07 33.2–.68	11.13N	125.98E	0	4.1,4.0		**¶13680803**
NEIC	VI	07 19 07 34.3–.47	11.18N	125.89E	10	4.6b,4.0		
MAN	VI	07 19 07 34	11.30N	126.49E	26	5.2b,4.3s		
ISCJB	VI	07 19 07 36.3–.39	11.35N–.04	126.25E–.06	33	4.1b,3.6s		

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

ISC	**VI**	**08 06 01 21.7–3.0**	**8.71N–.06**	**127.06E–.08**	**10–19**	**4.0b**	**30**	**1-122**
MAN	VI	08 06 01 21	8.75N	127.15E	12	4.9b,3.8s		**¶13680874**
IDC	VI	08 06 01 23.5–.74	9.16N	126.55E	0	4.2L,4.1		

ISC Event type ke.
IDC Error ellipse: s-maj=29.4km s-min=13.7km az=82.0.

MAN	**VI**	**11 00 30 17**	**10.03N**	**126.07E**	**48**	**4.5b,3.4L**		
								¶14717901
ISC	**VI**	**11 16 36 21.6–.87**	**19.13N–.07**	**121.07E–.08**	**39**	**3.5b,3.2s**	**20**	**1-88**
ISCJB	VI	11 16 36 19.1–.67	19.19N–.05	121.09E–.09	39	3.4b,3.1s		**¶13681176**
MAN	VI	11 16 36 19	18.93N	121.18E	1	4.8b,3.8s		
IDC	VI	11 16 36 21.2–.85	18.96N	121.31E	59–7	3.5,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=7.0km az=0.2.
IDC Error ellipse: s-maj=30.0km s-min=16.4km az=83.0.

MAN	**VI**	**12 22 07 56**	**11.20N**	**126.39E**	**48**	**4.1b,2.9L**		
								¶14717937
IDC	**VI**	**14 08 07 15.0–2.3**	**5.67N**	**127.04E**	**0**	**3.7,3.5**		
								¶16101307

IDC Error ellipse: s-maj=177.6km s-min=25.2km az=66.0.

MAN	**VI**	**15 00 44 26**	**11.25N**	**126.14E**	**10**	**4.4b,3.3L**		
								¶14718002
ISC	**VI**	**15 18 40 02.3–1.7**	**5.4N–.20**	**127.0E–.50**	**84**	**3.3b**	**6**	**2-61**
IDC	VI	15 18 39 49.8–2.0	5.64N	126.68E	0	3.4,3.3		**¶16101375**

ISC Event type ke.
IDC Error ellipse: s-maj=176.0km s-min=21.8km az=66.0.

MAN	**VI**	**15 21 28 04**	**15.24N**	**122.55E**	**26**	**4.1b,2.9L**		
								¶14718007
MAN	**VI**	**17 22 05 59**	**17.47N**	**119.88E**	**33**	**4.8b,3.7s**		
								¶14718045
ISC	**VI**	**18 14 25 36.1–.73**	**8.83N–.05**	**127.05E–.08**	**38**	**3.8b**	**30**	**1-95**
IDC	VI	18 14 25 30.0–.79	8.95N	127.13E	0	4.4L,4.1		**¶13681606**
ISCJB	VI	18 14 25 33.4–.62	8.92N–.05	127.19E–.06	38	3.8b,4.1		
MAN	VI	18 14 25 37	8.95N	126.86E	49	5.1b,4.2s		

ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=13.2km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=138.2.

IDC	**VI**	**20 16 20 18.1–1.6**	**6.85N**	**127.25E**	**0**	**3.7,3.6**		
								¶16101541

IDC Error ellipse: s-maj=50.2km s-min=20.8km az=53.0.

MAN	**VI**	**22 11 59 46**	**19.28N**	**121.07E**	**25**	**3.6b,2.3L**		
								¶14718197
IDC	**VI**	**23 07 48 06.5–3.4**	**5.31N**	**127.30E**	**0**	**3.6,3.4b**		
								¶16101640

IDC Error ellipse: s-maj=293.0km s-min=26.2km az=66.0.

ISC	**VI**	**23 14 42 28.5–.66**	**10.90N–.07**	**126.27E–.08**	**49**	**4.0b**	**25**	**1-85**
IDC	VI	23 14 42 21.7–.69	10.81N	126.20E	0	4.0,4.0		**¶13681908**
ISCJB	VI	23 14 42 26.7–.52	10.89N–.06	126.29E–.06	49	4.0b,4.0		
MAN	VI	23 14 42 28	10.94N	126.15E	52	4.9b,3.8s		

ISC Event type ke.
IDC Error ellipse: s-maj=41.3km s-min=13.8km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=8.1km az=42.4.

IDC	**VI**	**24 09 49 40.0–1.2**	**5.15N**	**127.93E**	**0**	**3.7,3.5**		
								¶16101687

IDC Error ellipse: s-maj=73.3km s-min=24.9km az=73.0.

MAN	**VI**	**24 11 35 49**	**10.28N**	**126.51E**	**17**	**4.5b,3.3L**		
								¶14718237
ISC	**VI**	**24 21 19 38.5–.67**	**8.65N–.06**	**127.22E–.08**	**39**	**4.0b**	**45**	**2-88**
IDC	VI	24 21 19 33.3–.83	8.71N	127.18E	0	4.1,4.0		**¶13681981**
MAN	VI	24 21 19 35	8.50N	127.28E	59	5.0b,4.0s		
ISCJB	VI	24 21 19 36.5–.50	8.68N–.05	127.27E–.05	39	4.0b,4.0s		
NEIC	VI	24 21 19 38.3–.42	8.65N	127.10E	35	4.1b,4.0s		

ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=14.4km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.6km az=149.8.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.1km az=76.0.

ISC	**VI**	**25 09 11 51.7–2.9**	**10.01N–.07**	**126.5E–.20**	**45–27**	**3.5b**	**17**	**1-121**
IDC	VI	25 09 11 45.8–2.1	10.05N	126.29E	0	3.7,3.6b		**¶13681998**
ISCJB	VI	25 09 11 50.6–1.8	10.00N–.06	126.5E–.10	51–17	4.0s,3.5b		
MAN	VI	25 09 11 51	9.90N	126.32E	72	4.4b,3.2L		

ISC Event type ke.
IDC Error ellipse: s-maj=159.4km s-min=21.5km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=20.2km s-min=9.0km az=166.5.

ISC	**VI**	**25 11 19 17.6–.85**	**17.15N–.05**	**119.93E–.08**	**34**	**3.4b**	**17**	**1-84**
IDC	VI	25 11 19 12.6–1.4	17.02N	119.84E	0	3.7,3.6b		**¶13682005**
MAN	VI	25 11 19 15	17.27N	119.70E	28	4.7b,3.5s		
ISCJB	VI	25 11 19 16.8–.81	17.25N–.05	119.73E–.08	34	3.5b,3.2s		

ISC Event type ke.
ISCJB Event type ke.

ISC	**VI**	**27 06 33 52.3–.52**	**19.12N–.03**	**121.20E–.04**	**31–3**	**4.9b,4.2s**	**434**	**1-171**
IDC	VI	27 06 33 47.0–.41	19.04N	121.12E	0	5.2L,4.8		**¶13306954**
BJI	VI	27 06 33 47.5	19.21N	121.22E	7	4.8b,4.7b		
NEIC	VI	27 06 33 48.8–.16	19.09N	121.11E	10	5.0b,4.7b		
MOS	VI	27 06 33 50.7–.98	19.10N	121.15E	33	5.1b,4.1s		
ISCJB	VI	27 06 33 51.3–.14	19.19N–.02	121.09E–.03	33	4.8b,4.3s		
MAN	VI	27 06 33 52	19.03N	120.94E	10	5.6b,5.0s		
DJA	VI	27 06 34 06.8–1.3	19N–5.0	121E–6.0	130–13	5.2b,4.8b		

ISC Event type fe.
NEIC Event type fe. Felt [II PIVS] at Laoag and Pasuquin, Luzon.
ISCJB Event type fe.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE; LAOAG CITY.

MAN	**VI**	**27 07 08 34**	**10.14N**	**126.43E**	**86**	**4.1b,2.9L**		
								¶14718336
MAN	**VI**	**27 10 09 31**	**10.09N**	**126.40E**	**29**	**4.4b,3.2L**		
								¶14718337
IDC	**VI**	**28 23 18 02.6–.64**	**5.38N**	**127.50E**	**0**	**4.2L,4.0**		
								¶16101843

IDC Error ellipse: s-maj=38.1km s-min=13.5km az=74.0.

ISC	**VI**	**29 00 57 42.2–.69**	**13.51N–.05**	**119.98E–.06**	**16**	**4.0b**	**26**	**1-87**
ISCJB	VI	29 00 57 40.6–.52	13.46N–.05	119.84E–.06	16	4.1b,2.8s		**¶13383594**
MAN	VI	29 00 57 43	13.49N	120.05E	11	4.9b,3.8s		
IDC	VI	29 00 57 47.6–1.8	13.65N	120.47E	64–18	3.9,3.7b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=7.4km az=174.4.
IDC Error ellipse: s-maj=43.6km s-min=13.8km az=65.0.

ISC	**VI**	**30 07 13 10.2–.96**	**17.31N–.06**	**119.86E–.08**	**32**	**3.9b**	**15**	**1-47**
IDC	VI	30 07 13 05.2–1.1	17.16N	119.95E	0	4.0,3.8		**¶13682303**
MAN	VI	30 07 13 07	17.49N	119.50E	21	4.6b,3.4L		
ISCJB	VI	30 07 13 08.7–.83	17.29N–.06	119.68E–.07	32	3.7b,3.4L		

ISC Event type ke.
ISCJB Event type ke.

IDC	**VI**	**30 14 34 31.0–1.2**	**5.75N**	**127.32E**	**0**	**3.7,3.5**		
								¶16101896

IDC Error ellipse: s-maj=67.2km s-min=21.4km az=75.0.

ISC	**VI**	**30 19 25 36.1–1.7**	**19.17N–.10**	**121.23E–.08**	**48–18**	**3.6b**	**33**	**1-78**
IDC	VI	30 19 25 28.6–.67	18.98N	121.39E	0	3.9,3.8		**¶13367846**
ISCJB	VI	30 19 25 35.9–1.1	19.09N–.09	121.21E–.09	67–14	3.5b,3.8		
MAN	VI	30 19 25 36	18.97N	121.20E	15	4.6s,0.0L		

ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=15.8km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=13.0km az=23.3.

(249) Luzon.

IDC	**I**	**03 08 20 08.2–.77**	**14.08N**	**120.95E**	**208–7**	**3.1,3.0b**		
								¶12079881

IDC Error ellipse: s-maj=36.3km s-min=12.2km az=67.0.

MAN	**I**	**05 09 53 04**	**16.19N**	**120.83E**	**16**	**3.8b,2.6L**		
								¶14716452
MAN	**I**	**06 06 55 21**	**16.84N**	**121.28E**	**37**	**3.9b,2.6L**		
								¶14716456
MAN	**I**	**07 17 10 43**	**13.69N**	**123.92E**	**38**	**4.6b,3.5L**		
								¶14716458
ISC	**I**	**07 21 32 32.4–1.3**	**13.44N–.03**	**124.15E–.05**	**2–9**	**4.0b**	**46**	**0-52**
IDC	I	07 21 32 28.9–.92	13.16N	124.40E	0	4.8L,4.1		**¶12080681**
MAN	I	07 21 32 30	13.66N	124.16E	20	4.7b,3.6L		
NEIC	I	07 21 32 33.6–.70	13.13N	124.42E	35	4.2b,3.6L		

ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=15.9km az=62.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=10.9km az=58.0.

MAN	**I**	**08 16 57 03**	**16.16N**	**119.80E**	**10**	**4.4b,3.2L**		

¶14716460
ISC I 08 22 09 46.1–1.4 13.03N–.04 122.55E–.05 4–10 3.8b 22 0-48
ISCJB I 08 22 09 45.5–1.5 12.98N–.05 122.53E–.05 7–11 3.6b,3.5s **¶12080785**
IDC I 08 22 09 45.7–.95 12.94N 122.49E 0 3.8s,3.8
MAN I 08 22 09 46 13.10N 122.56E 8 4.6b,3.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=5.4km az=137.1.
IDC Error ellipse: s-maj=31.7km s-min=12.6km az=51.0.
MAN Event type fe. INTENSITY II - SAN ANDRES QUEZON.
ISC I 09 07 28 45.8–.31 16.19N–.03 119.71E–.04 58–2 5.1b,4.3s 492 0-172
MOS I 09 07 28 41.1–1.4 16.20N 119.55E 33 5.3b,4.1s **¶13404690**
MAN I 09 07 28 42 16.20N 119.55E 6 5.6b,5.1s
IDC I 09 07 28 42.1–.45 16.15N 119.72E 30–3 4.7L,4.7
ISCJB I 09 07 28 45.3–.45 16.17N–.02 119.80E–.03 70–4 5.0b,4.7
BJI I 09 07 28 45.6 16.38N 119.83E 61 5.0b,4.8b
NEIC I 09 07 28 46.2–.55 16.09N 119.74E 66–5 5.2b,4.8b
DJA I 09 07 28 54 15.86N 119.43E 95 4.9b,4.8b
ISC Event type fe.
MOS Error ellipse: s-maj=12.9km s-min=5.9km az=107.0.
MAN Event type fe. Intensity III - Pasig City; Manila City Intensity II - Makati City; Quezon City; Bolinao Pangasinan.
IDC Error ellipse: s-maj=17.5km s-min=9.3km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.5km az=168.1.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.9km az=74.0. Felt [III PIVS] at Manila and Pasig; [II PIVS] at Bolinao, Makati and Quezon City. Also felt at San Jacinto.
MAN I 12 18 34 46 15.28N 119.62E 24 4.7b,3.6L
¶14716474
ISC I 13 00 40 20.3–1.3 16.12N–.04 119.61E–.09 33–8 4.0b 25 0-91
ISCJB I 13 00 40 20.0–.81 16.01N–.06 119.59E–.09 47–8 3.9b **¶12081154**
MAN I 13 00 40 22 16.13N 119.69E 0 4.7b,3.6s
IDC I 13 00 40 25.7–2.7 16.09N 119.76E 86–26 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=9.3km az=4.8.
IDC Error ellipse: s-maj=33.3km s-min=12.9km az=59.0.
ISC I 13 19 30 54.1–.49 13.33N–.05 124.82E–.07 33 4.2b,3.4s 59 1-150
IDC I 13 19 30 48.7–.62 13.13N 124.66E 0 4.0,3.9 **¶12081210**
MAN I 13 19 30 50 13.27N 124.99E 1 5.1b,4.1s
ISCJB I 13 19 30 52.9–.37 13.36N–.04 124.86E–.06 33 4.2b,3.3s
NEIC I 13 19 30 59.9–1.7 13.10N 124.63E 91–15 4.5b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=13.9km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.3km az=165.5.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=7.7km az=64.0.
MAN I 16 06 50 18 15.92N 119.57E 1 4.3b,3.1L
¶14716479
ISC I 17 08 13 18.6–.77 15.31N–.08 120.6E–.10 150 3.9b 13 1-86
ISCJB I 17 08 13 16.9–.64 15.24N–.10 120.7E–.20 150 3.8b **¶12081520**
MAN I 17 08 13 23 15.30N 120.44E 60 4.5b,3.4L
IDC I 17 08 13 30.8–1.3 15.03N 120.38E 279–13 3.6,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.0km s-min=11.2km az=158.1.
IDC Error ellipse: s-maj=41.5km s-min=11.7km az=60.0.
ISC I 17 11 25 32.9–.74 16.24N–.04 120.94E–.04 10 4.0b 23 0-48
MAN I 17 11 25 32 16.27N 120.95E 1 4.9b,3.9s **¶12081533**
IDC I 17 11 25 32.5–.95 16.31N 121.94E 0 4.8L,4.0
ISCJB I 17 11 25 33.5–.59 16.24N–.06 120.94E–.06 10 3.8b,4.0
NEIC I 17 11 25 37.2–.56 16.26N 121.96E 35 4.5b,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=30.0km s-min=16.1km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=7.7km az=44.5.
NEIC Event type fe. Error ellipse: s-maj=17.6km s-min=8.9km az=73.0. Felt [II PIVS] at Baguio.
ISC I 17 16 07 22.4–.46 13.03N–.03 122.62E–.04 16 4.2b,4.1s 63 0-93
IDC I 17 16 07 19.8–.71 12.96N 122.62E 0 4.2s,4.2 **¶11667128**
ISCJB I 17 16 07 21.1–.28 13.07N–.03 122.60E–.04 16 4.2b,4.2s
MAN I 17 16 07 21 13.07N 122.59E 7 4.8b,3.8s
NEIC I 17 16 07 21.0–.39 12.94N 122.51E 10 4.4b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=11.4km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=158.6.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.8km az=60.0.
MAN I 17 22 15 09 16.14N 120.17E 31 4.6b,3.5L
¶14716483
ISC I 21 04 57 09.7–.41 17.74N–.03 120.34E–.04 54–3 4.8b,3.2s 288 0-165
IDC I 21 04 57 00.7–.89 17.50N 120.40E 0 4.5,4.5 **¶13433897**
MOS I 21 04 57 04.9–.93 17.57N 120.43E 33 5.0b,4.5
MAN I 21 04 57 07 17.81N 120.13E 31 5.4b,4.6s
ISCJB I 21 04 57 09.2–.32 17.78N–.02 120.44E–.04 63–3 4.7b,4.6s
NEIC I 21 04 57 10.6–.58 17.67N 120.45E 67–4 4.8b,4.6s
BJI I 21 04 57 12.6 18.11N 120.17E 50 4.7b,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=23.3km s-min=16.1km az=168.0.
MOS Error ellipse: s-maj=11.2km s-min=5.8km az=120.0.
MAN Event type fe. INTENSITY IV - SINAIT & VIGAN ILOCO SUR; INTENSITY III - CANDON ILOCOS SUR; BANGUED ABRA; INTENSITY II - PASUQUIN & LAOAG ILOCOS NORTE; BAGUIO CITY.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.1km az=5.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.8km az=157.0. Felt at Vigan.
MAN I 21 16 03 48 18.23N 122.60E 40 4.1b,3.0L
¶14716503
MAN I 22 04 40 18 12.62N 123.27E 13 4.5b,3.3L
¶14716505
MAN I 23 12 47 11 16.53N 122.40E 32 4.1b,3.0L
¶14716506
MAN I 24 15 02 51 16.45N 122.43E 29 4.7b,3.6L
¶14716508
ISC I 26 04 38 25.5–.86 18.68N–.06 120.11E–.08 24 4.1b 19 1-88
ISCJB I 26 04 38 23.6–.71 18.76N–.05 119.92E–.07 24 3.9b **¶12082350**
MAN I 26 04 38 24 18.70N 120.03E 12 4.8b,3.8s
IDC I 26 04 38 36.9–4.3 18.52N 121.52E 96–40 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.8km az=153.9.
IDC Error ellipse: s-maj=32.8km s-min=13.6km az=81.0.
MAN I 26 20 43 12 12.54N 123.44E 1 4.7b,3.6s
¶14716512
MAN I 29 03 09 58 12.77N 123.63E 69 4.2b,3.0L
¶14716520
MAN I 29 06 26 08 16.05N 122.04E 9 4.1b,2.9L
¶14716521
ISC I 30 21 18 50.1–.79 14.57N–.08 120.00E–.09 65 3.9b 15 1-83
ISCJB I 30 21 18 48.7–.73 14.57N–.08 119.94E–.07 65 3.9b **¶12082764**
IDC I 30 21 18 50.5–1.6 14.38N 119.96E 77–17 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=9.0km az=19.7.
IDC Error ellipse: s-maj=32.8km s-min=16.0km az=60.0.
ISC II 02 21 24 10.3–1.5 17.00N–.04 120.17E–.07 6–11 15 1-43
ISCJB II 02 21 24 10.7–.81 16.95N–.03 120.11E–.06 17–8 3.2b **¶12699430**
IDC II 02 21 24 10.3–2.0 17.14N 120.27E 0 4.1L,3.5
MAN II 02 21 24 11 16.89N 120.08E 21 4.5b,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.8km az=0.2.
IDC Error ellipse: s-maj=58.6km s-min=23.9km az=72.0.
ISC II 03 08 22 23.5–.78 12.80N–.04 123.25E–.04 18 3.7s,3.6b 16 1-89
IDC II 03 08 22 21.1–1.3 12.75N 123.25E 0 3.8,3.7s **¶12699452**
ISCJB II 03 08 22 22.5–.59 12.83N–.05 123.30E–.05 18 3.8s,3.5b
MAN II 03 08 22 24 12.83N 122.99E 14 4.8b,3.7s
ISC Event type fe.
IDC Error ellipse: s-maj=167.3km s-min=19.3km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.9km az=35.1.
MAN Event type fe. INTENSITY II - ARoROY MASBATE.
ISC II 03 12 31 26.9–.43 12.03N–.04 122.35E–.04 17–2 4.5b,3.7s 168 0-119
IDC II 03 12 31 24.6–.65 11.99N 122.36E 0 4.3,4.2L **¶11670367**
NEIC II 03 12 31 26.0–.23 11.94N 122.31E 10 4.5b,4.2L
MOS II 03 12 31 27.8–1.1 11.99N 122.31E 32 4.5b,4.2L
BJI II 03 12 31 27.0 12.36N 122.19E 7 4.8b,4.5s
MAN II 03 12 31 27 12.14N 122.32E 9 5.3b,4.5s
ISCJB II 03 12 31 28.6–.48 12.09N–.04 122.32E–.04 36–5 4.5b,3.8s
ISC Event type fe.
NEIC Event type fe. Felt [III PIVS] at Looc and Santa Fe, Tablas Island. Felt [II PIVS] at Lezo and Nabas; [I PIVS] at Malinao, Panay.
MAN Event type fe. INTENSITY III - SANTA FE; LOOC LUBANG ROMBLON; INTENSITY II - ROMBLON ROMBLON.
ISCJB Event type fe.
MAN II 03 21 15 59 15.71N 120.13E 1 4.2b,3.0L
¶14716556
MAN II 03 22 46 49 16.14N 121.80E 32 4.3b,3.1L
¶14716557
MAN II 04 14 20 44 16.62N 120.94E 40 4.4b,3.2L
¶14716561
MAN II 04 14 47 50 16.55N 120.90E 28 4.0b,2.8L
¶14716562
MAN II 04 15 57 28 16.54N 120.90E 21 4.5b,3.3L
¶14716563
MAN II 06 04 52 42 12.24N 123.83E 4 3.9b,2.6L
¶14716566
MAN II 07 03 22 09 13.79N 122.81E 33 3.8b,2.6L
¶14716568
MAN II 08 05 41 44 14.03N 119.96E 40 4.0b,2.8L
¶14716570
MAN II 09 07 46 50 16.31N 121.57E 33 4.2b,3.1L
¶14716572
MAN II 09 19 32 55 18.66N 120.00E 33 4.6b,3.5L
¶14716576
MAN II 11 00 10 46 14.05N 121.05E 29 4.0b,2.8L
¶14716577
MAN Event type fe. INTENSITY III - LIPA CITY; LOS BANOS LAGUNA; INTENSITY II - CALAMBA LAGUNA; INTENSITY I - TANAUAN BATANGAS.
MAN II 13 01 36 34 17.82N 120.21E 28 4.2b,3.0L
¶14716579
MAN II 13 08 54 31 17.81N 120.56E 39 3.8b,2.6L
¶14716580
MAN II 13 11 10 41 14.37N 120.39E 34 4.3b,3.1L
¶14716583
ISC II 13 22 29 44.6–1.2 18.0N–.20 121.47E–.10 28 3.2b 8 1-89
ISCJB II 13 22 29 43.7–.89 17.9N–.10 121.47E–.07 28 3.3b **¶12700593**
MAN II 13 22 29 49 18.04N 120.69E 78 4.4b,3.3L
IDC II 13 22 29 50.8–10 17.88N 121.05E 90–106 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=8.1km az=18.6.
IDC Error ellipse: s-maj=52.9km s-min=19.5km az=78.0.
MAN II 15 06 29 37 12.53N 123.55E 1 4.5b,3.3L
¶14716585
ISC II 19 10 30 56.8–.90 16.91N–.05 120.66E–.08 100 4.0b 16 1-60
IDC II 19 10 30 52.6–11 16.99N 121.05E 75–104 3.7,3.6 **¶12701231**
ISCJB II 19 10 30 56.9–.59 16.92N–.05 120.68E–.08 100 3.9b,3.6
MAN II 19 10 30 58 16.97N 120.55E 96 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=61.6km s-min=14.7km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.7km az=6.6.
ISC II 20 06 17 07.5–.69 16.15N–.06 119.55E–.08 43 4.0b,3.4s 21 0-91
MAN II 20 06 17 04 16.17N 119.52E 0 4.7b,3.6s **¶12701317**
ISCJB II 20 06 17 06.0–.52 16.11N–.06 119.50E–.05 43 3.9b,3.5s
IDC II 20 06 17 11.3–2.7 16.08N 119.69E 84–27 3.8,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.5km az=11.3.
IDC Error ellipse: s-maj=32.7km s-min=14.0km az=61.0.
ISC II 20 18 08 27.6–.69 16.16N–.04 119.76E–.06 33 3.7b 23 0-87
MAN II 20 18 08 27 16.24N 119.64E 13 3.7b **¶12701349**
IDC II 20 18 08 32.9–2.6 16.11N 119.91E 95–26 3.5,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=43.4km s-min=15.9km az=59.0.
IDC II 21 15 25 03.9–2.9 13.49N 122.38E 0 3.6,3.3
¶15956880
IDC Error ellipse: s-maj=277.9km s-min=25.5km az=63.0.
MAN II 22 11 09 10 18.67N 121.72E 100 4.2b,3.0L
¶14716613
MAN II 24 03 06 26 17.81N 120.54E 28 3.9b,2.7L
¶14716621
MAN II 24 16 16 48 16.28N 119.82E 31 4.2b,3.0L
¶14716622
MAN II 26 14 52 18 18.83N 121.19E 14 4.4b,3.3L
¶14716631
MAN II 26 16 18 09 18.87N 121.17E 8 4.6b,3.5L
¶14716632
MAN II 26 18 51 47 16.19N 121.68E 27 4.1b,2.9L
¶14716635
ISC II 27 02 21 17.0–.40 18.23N–.03 120.62E–.04 33–1 4.3b,3.7s 216 0-116
MOS II 27 02 21 13.5–1.0 18.07N 120.81E 33 4.6b,3.7s **¶13435132**
BJI II 27 02 21 15.7 18.29N 120.66E 28 4.6b,4.6b
ISCJB II 27 02 21 16.6–.28 18.27N–.02 120.60E–.03 44–3 4.4b,3.8s
TEH II 27 02 21 17.0 18.24N 120.51E 20 4.7L,3.8s
NEIC II 27 02 21 18.2–.78 18.20N 120.77E 53–7 4.5b,3.8s
IDC II 27 02 21 18.4–3.1 18.05N 120.81E 60–29 4.1L,4.1
MAN II 27 02 21 19 18.09N 120.66E 26 5.1b,4.3s
DJA II 27 02 21 25 17.65N 119.72E 10 4.7b,4.3s
ISC Event type fe.
MOS Error ellipse: s-maj=13.4km s-min=6.8km az=117.8.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.1km az=0.3.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=6.5km az=95.0. Felt [IV PIVS] at Pasuquin and [II PIVS] at Baguio, Sinait and Vigan.
IDC Error ellipse: s-maj=15.9km s-min=11.1km az=77.0.
MAN Event type fe. INTENSITY IV - PASUQUIN ILOCOS NORTE; INTENSITY II - VIGAN ILOCOS SUR.
MAN III 01 04 18 12 17.40N 121.40E 33 4.2b,3.0L
¶14716644
ISC III 01 10 32 15.9–1.2 17.88N–.05 120.15E–.07 29–9 3.3b 20 0-89
IDC III 01 10 32 10.7–1.0 17.70N 120.48E 0 3.6,3.4 **¶12702180**
ISCJB III 01 10 32 14.9–1.3 17.95N–.05 120.06E–.07 18–10 3.4b,2.7s
MAN III 01 10 32 16 17.78N 120.15E 5 4.6b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=77.9km s-min=21.1km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=7.8km az=10.7.
MAN III 02 09 11 16 17.68N 120.65E 15 4.3b,3.1L
¶14716648
ISC III 02 10 12 16.2–.82 17.58N–.04 120.68E–.04 17–5 3.5b,3.0s 25 0-89
IDC III 02 10 12 11.9–.82 17.34N 120.98E 0 3.7,3.7 **¶12702254**
ISCJB III 02 10 12 16.2–.50 17.61N–.03 120.70E–.06 21–4 3.5b,2.9s
MAN III 02 10 12 16 17.59N 120.62E 3 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=17.3km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.5km az=176.4.
MAN III 02 10 52 13 17.64N 120.48E 20 4.5b,3.3L
¶14716649
MAN III 03 03 23 12 16.39N 122.18E 24 4.0b,2.7L
¶14716654
ISC III 03 03 59 41.8–.63 14.00N–.08 124.17E–.08 36 4.0b 28 0-82
IDC III 03 03 59 35.7–1.0 13.86N 124.34E 0 4.6L,4.1 **¶12702322**
MAN III 03 03 59 39 14.01N 124.12E 13 4.6b,3.5s
ISCJB III 03 03 59 40.5–.58 14.02N–.05 124.17E–.06 36 3.9b,3.1s
NEIC III 03 03 59 40.8–.60 13.84N 124.28E 35 4.0b,3.1s
ISC Event type fe.
IDC Error ellipse: s-maj=41.9km s-min=17.6km az=63.0.
MAN Event type fe. INTENSITY III - BAGAMANOC CATANDUANES.

ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=6.2km az=144.4.
NEIC Event type fe. Error ellipse: s-maj=17.9km s-min=10.9km az=60.0. Felt [III PIVS] at Bagamanoc.

ISC	**III**	**04 00 17 41.0–.50**	**18.61N–.05**	**120.12E–.07**	**24**	**4.0b**	**44**	**1-116**
IDC	III	04 00 17 37.1–.67	18.52N	120.09E	0	4.0,3.9		¶12702390
ISCJB	III	04 00 17 40.1–.40	18.71N–.05	119.99E–.06	24	3.9b,3.2s		
NEIC	III	04 00 17 42.3–.50	18.53N	120.13E	35	4.1b,3.2s		
MAN	III	04 00 17 46	18.39N	120.30E	10	4.4b,3.3L		

ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=15.1km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.2km az=144.6.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.6km az=81.0.

MAN	**III**	**05 00 47 21**	**18.30N**	**120.62E**	**1**	**4.2b,3.0L**	
							¶14716659
MAN	**III**	**06 15 12 10**	**16.42N**	**120.79E**	**21**	**4.0b,2.8L**	
							¶14716661
MAN	**III**	**07 08 07 48**	**18.87N**	**121.50E**	**70**	**4.2b,3.0L**	
							¶14716664
MAN	**III**	**08 04 19 53**	**17.57N**	**120.23E**	**58**	**4.5b,3.4L**	
							¶14716667
MAN	**III**	**08 08 17 35**	**17.39N**	**120.30E**	**27**	**4.4b,3.2L**	
							¶14716668
MAN	**III**	**09 18 09 42**	**15.92N**	**119.79E**	**23**	**4.5b,3.4L**	
							¶14716671
MAN	**III**	**10 15 02 57**	**16.76N**	**120.09E**	**38**	**4.5b,3.4L**	
							¶14716679
MAN	**III**	**13 02 33 26**	**17.01N**	**120.05E**	**31**	**4.5b,3.3L**	
							¶14716687
MAN	**III**	**13 03 30 16**	**17.70N**	**120.76E**	**95**	**4.2b,3.0L**	
							¶14716688
ISC	**III**	**14 19 30 17.6–.88**	**13.08N–.05**	**124.79E–.07**	**55–8**	**4.4b,3.3s**	**140 1-149**
IDC	III	14 19 30 10.3–.52	13.00N	124.75E	0	4.5L,4.3	¶13436301
MOS	III	14 19 30 14.9–.96	12.99N	124.75E	50	4.8b,4.3	
MAN	III	14 19 30 15	13.12N	124.78E	22	4.9b,3.9s	
NEIC	III	14 19 30 16.5–.73	13.01N	124.74E	47–7	4.4b,3.9s	
ISCJB	III	14 19 30 16.3–.56	13.08N–.03	124.80E–.05	61–5	4.3b,3.9s	
BJI	III	14 19 30 19.1	12.83N	124.67E	98	4.7b,4.4b	

ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=11.6km az=78.0.
MOS Error ellipse: s-maj=16.1km s-min=7.4km az=119.1.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.2km az=166.5.

MAN	**III**	**15 17 34 32**	**16.18N**	**119.86E**	**23**	**4.0b,2.7L**	
							¶14716697
MAN	**III**	**16 23 38 54**	**16.26N**	**122.51E**	**15**	**4.2b,3.0L**	
							¶14716698
MAN	**III**	**18 21 49 27**	**18.53N**	**120.78E**	**25**	**3.8b,2.5L**	
							¶14716702
ISC	**III**	**19 23 19 34.4–.42**	**18.58N–.04**	**121.91E–.04**	**120–3**	**4.6b**	**388 1-170**
MOS	III	19 23 19 22.9–.96	18.46N	121.92E	33	5.0b	¶13436768
ISCJB	III	19 23 19 32.9–.52	18.58N–.02	122.00E–.04	119–4	4.6b	
BJI	III	19 23 19 32.5	18.48N	122.08E	120	4.9b,4.5b	
DJA	III	19 23 19 33.1–2.2	19N–6.0	122E–8.0	88–21	5.4b,4.9b	
IDC	III	19 23 19 34.2–.77	18.53N	121.93E	119–6	4.3b,4.3	
NEIC	III	19 23 19 35.3–.20	18.58N	121.94E	129	4.7b,4.3	
MAN	III	19 23 19 35	18.58N	121.80E	114	5.3b,4.6s	

ISC Event type se.
MOS Error ellipse: s-maj=13.4km s-min=5.7km az=117.7.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.0km az=177.1.
IDC Error ellipse: s-maj=10.5km s-min=7.9km az=79.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.5km az=92.0.

ISC	**III**	**20 01 20 40.7–.69**	**13.09N–.06**	**124.43E–.07**	**10**	**3.7b**	**19**	**1-118**
IDC	III	20 01 20 38.5–.81	12.94N	124.59E	0	4.0,3.8b		¶12703761
ISCJB	III	20 01 20 39.9–.59	13.13N–.05	124.39E–.07	10	3.7b,3.8b		
MAN	III	20 01 20 41	13.08N	124.38E	18	4.8b,3.7s		

ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=18.0km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.5km az=155.0.

ISC	**III**	**21 14 20 49.5–1.9**	**18.5N–.20**	**120.65E–.10**	**38–8**	**3.3b**	**16**	**0-88**
IDC	III	21 14 20 42.3–.92	18.34N	121.10E	0	3.6,3.4b		¶12635189
ISCJB	III	21 14 20 48.1–.90	18.57N–.08	120.66E–.08	41–10	3.3b,3.4b		
MAN	III	21 14 20 50	18.38N	120.69E	24	4.7b,3.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=50.3km s-min=20.5km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=13.5km s-min=11.9km az=3.8.
MAN Event type fe. INTENSITY II - LAOAG CITY; PASUQUIN ILOCOS NORTE.

ISC	**III**	**22 04 19 56.5–1.0**	**12.17N–.03**	**123.85E–.03**	**12–8**	**3.6b**	**29**	**0-49**
ISCJB	III	22 04 19 56.5–.99	12.22N–.03	123.86E–.03	9–7	3.5b		¶12635256
MAN	III	22 04 19 56	12.24N	123.85E	10	4.4b,3.2L		
IDC	III	22 04 19 57.1–1.3	11.54N	122.65E	0	4.2L,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=5.2km az=27.9.
MAN Event type fe. INTENSITY II - MASBATE MASBATE.
IDC Error ellipse: s-maj=137.3km s-min=18.6km az=66.0.

MAN	**III**	**22 14 12 05**	**18.91N**	**120.91E**	**12**	**4.7b,3.6s**	
							¶14716794
ISC	**III**	**22 21 50 38.0–.44**	**16.00N–.03**	**119.36E–.04**	**33–2**	**4.4b,3.7s**	**174 1-154**
MAN	III	22 21 50 30	16.09N	119.15E	1	5.3b,4.5s	¶12054946
IDC	III	22 21 50 31.6–.52	15.94N	119.49E	0	4.3,4.2	
BJI	III	22 21 50 34.3	15.69N	119.35E	36	4.7b,4.4s	
ISCJB	III	22 21 50 34.8–.84	16.01N–.03	119.32E–.03	23–7	4.3b,3.8s	
MOS	III	22 21 50 35.2–.88	15.89N	119.49E	39	4.7b,3.8s	
NEIC	III	22 21 50 38.7–.75	15.97N	119.54E	52–7	4.5b,3.8s	

ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=12.2km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.9km az=5.2.
MOS Error ellipse: s-maj=13.6km s-min=7.4km az=117.6.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.1km az=86.0.

MAN	**III**	**23 17 26 24**	**16.30N**	**122.11E**	**40**	**4.1b,2.9L**	
							¶14716807
MAN	**III**	**24 23 17 41**	**18.52N**	**120.89E**	**1**	**4.3b,3.1L**	
							¶14716811
ISC	**III**	**25 02 03 24.8–.79**	**13.02N–.07**	**124.2E–.10**	**100**	**3.8b**	**16 1-58**
IDC	III	25 02 03 13.0–1.3	12.80N	123.86E	0	3.9,3.8b	¶12635508
MAN	III	25 02 03 24	13.13N	124.22E	100	4.2b,3.1L	

ISC Event type ke.
IDC Error ellipse: s-maj=124.4km s-min=14.3km az=68.0.

ISC	**III**	**25 15 02 36.7–1.9**	**12.67N–.04**	**123.56E–.04**	**14–14**	**3.2b**	**26**	**0-49**
IDC	III	25 15 02 33.9–1.5	12.73N	124.02E	0	3.3,3.2		¶12635569
ISCJB	III	25 15 02 36.1–1.0	12.71N–.04	123.61E–.05	14–7	3.2b,3.2		
MAN	III	25 15 02 36	12.68N	123.57E	8	4.4b,3.2L		

ISC Event type fe.
IDC Error ellipse: s-maj=162.9km s-min=20.9km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=5.7km az=147.7.
MAN Event type fe. INTENSITY II - MASBATE CITY; INTENSITY I - LEGASPI CITY.

IDC	**III**	**28 16 52 55.0–.99**	**14.15N**	**119.39E**	**0**	**3.7,3.5**	
							¶12635783

IDC Error ellipse: s-maj=27.8km s-min=16.7km az=40.0.

ISC	**III**	**28 17 17 42.6–1.9**	**14.22N–.06**	**124.56E–.07**	**7–12**	**3.2b**	**23**	**2-50**
ISCJB	III	28 17 17 41.2–2.1	14.30N–.05	124.52E–.06	1–14	3.3b		¶12635785
IDC	III	28 17 17 41.9–1.7	14.12N	124.55E	0	3.4,3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.1km az=150.7.
IDC Error ellipse: s-maj=178.2km s-min=20.6km az=68.0.

MAN	**III**	**29 13 18 47**	**18.43N**	**120.85E**	**2**	**3.8b,2.6L**	
							¶14716827
MAN	**III**	**29 22 18 19**	**17.57N**	**122.55E**	**24**	**4.4b,3.3L**	
							¶14716832
IDC	**III**	**31 13 01 38.5–3.0**	**13.89N**	**123.44E**	**0**	**3.8,3.6b**	
							¶12636029

IDC Error ellipse: s-maj=257.2km s-min=26.4km az=63.0.

ISC	**III**	**31 13 26 18.6–.46**	**14.62N–.03**	**123.88E–.04**	**27–2**	**4.6b,4.1s**	**208**	**2-151**
IDC	III	31 13 26 13.8–.50	14.50N	123.84E	0	4.3L,4.3		¶12084236
BJI	III	31 13 26 15.9	14.55N	123.77E	24	5.0b,4.6b		
ISCJB	III	31 13 26 18.2–.88	14.76N–.02	123.89E–.03	33–6	4.5b,4.1s		
MOS	III	31 13 26 18.5–.89	14.64N	123.81E	43	4.8b,4.0s		
NEIC	III	31 13 26 19.7–.80	14.61N	123.81E	38–7	4.8b,4.0s		
MAN	III	31 13 26 20	14.80N	123.65E	62	5.7b,5.2s		
GCMT	III	31 13 26 20.1–.20	14.79N	123.77E	35–1	5.1W,5.2s		
DJA	III	31 13 26 23.3–2.8	15N–20	124E–6.0	116–17	5.2b,5.0b		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II PIVS] at Calabanga, Gubat, Guinayangan, Legaspi and Polillo.
MAN Event type fe. INTENSITY II - LIGNON HILL LEGASPI CITY; POLILIO POLILIO ISLAND QUEZON; GUBAT SORSOGON; CABALANGA CAMARINES SUR; GUINAYANGAN QUEZON.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s42,c56; s82,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.21 $M_{\theta\theta}$4.47±.14; $M_{\phi\phi}$-4.31±.18; $M_{r\theta}$1.57±.18; $M_{\theta\phi}$-1.80±.14; $M_{\phi r}$0.83±.23; Best double couple: NP1:ϕ_s146.00000°,δ70.00000°,λ1.00000°. NP2:ϕ_s56.00000°,δ89.00000°,λ160.00000°. Principal axes: T 5.1900,Plg15.0000° ,Azm9.0000°; N -0.2500,Plg70.0000°,Azm234.0000°; P -4.9400,Plg14.0000°,Azm103.0000° M_o5.10000×10^{16}

ISC	**IV**	**02 15 27 35.2–1.1**	**18.44N–.08**	**120.63E–.07**	**46–8**	**3.5b**	**16**	**0-88**
IDC	IV	02 15 27 26.9–1.1	18.31N	121.10E	0	3.5,3.4		¶12934312
MAN	IV	02 15 27 34	18.48N	120.72E	34	3.8b,2.6L		
ISCJB	IV	02 15 27 34.2–.94	18.55N–.10	120.68E–.07	46–9	3.3b,2.6L		

ISC Event type ke.
ISCJB Event type ke.

MAN	**IV**	**03 07 28 17**	**17.41N**	**122.59E**	**36**	**4.4b,3.2L**	
							¶14716848
MAN	**IV**	**04 15 14 51**	**14.93N**	**121.60E**	**1**	**4.6b,3.4L**	
							¶14716857
MAN	**IV**	**04 19 18 28**	**15.44N**	**119.86E**	**41**	**4.0b,2.8L**	
							¶14716858
MAN	**IV**	**04 20 03 30**	**16.43N**	**120.46E**	**77**	**4.4b,3.2L**	
							¶14716859

MAN Event type fe. INTENSITY I - BAGUIO CITY.

MAN	**IV**	**04 22 44 28**	**15.44N**	**121.30E**	**4**	**3.9b,2.7L**	
							¶14716860
MAN	**IV**	**05 03 11 56**	**13.25N**	**122.36E**	**13**	**4.2b,3.0L**	
							¶14716863
MAN	**IV**	**05 21 12 23**	**15.34N**	**119.98E**	**18**	**4.3b,3.2L**	
							¶14716866
ISC	**IV**	**06 10 37 31.2–1.3**	**13.14N–.06**	**123.66E–.05**	**41–13**	**4.1b,3.3s**	**49 1-92**
IDC	IV	06 10 37 25.5–.69	13.09N	123.61E	0	4.1,4.0b		¶12934650
MAN	IV	06 10 37 28	13.24N	123.69E	37	5.4b,4.5s		
ISCJB	IV	06 10 37 29.9–.70	13.14N–.05	123.65E–.05	48–7	4.1b,3.3s		
NEIC	IV	06 10 37 32.2–2.0	13.07N	123.61E	52–17	4.6b,3.3s		

ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=14.3km az=73.0.
MAN Event type fe. INTENSITY V - GUINOBATAN ALBAY PROPER; INTENSITY IV - SALUGAN CAMALIG; INTENSITY III - LEGASPI CITY PROPER.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=6.0km az=137.7.
NEIC Event type fe. Error ellipse: s-maj=19.5km s-min=6.2km az=71.0. Felt [V PIVS] at Guinobatan; [IV PIVS] at Camalig and Salugan; [III PIVS] at Legaspi; [II PIVS] at Buang and Tabaco.

MAN	**IV**	**06 17 40 12**	**13.22N**	**123.66E**	**22**	**4.4b,3.2L**	
							¶14716870
MAN	**IV**	**07 07 45 27**	**16.20N**	**119.80E**	**34**	**3.9b,2.7L**	
							¶14716871
MAN	**IV**	**09 16 57 23**	**16.80N**	**122.37E**	**88**	**4.4b,3.2L**	
							¶14716883
ISC	**IV**	**09 21 12 19.8–.64**	**12.67N–.03**	**123.17E–.05**	**19**	**3.8b,3.4s**	**33 1-74**
IDC	IV	09 21 12 17.4–.91	12.60N	123.14E	0	4.2L,3.9		¶12934862
ISCJB	IV	09 21 12 20.1–.39	12.75N–.04	123.05E–.05	19	3.9b,3.3s		
MAN	IV	09 21 12 20	12.76N	123.02E	20	5.0b,4.0s		

ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=17.2km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.4km az=151.4.

ISC	**IV**	**09 23 39 54.1–.51**	**12.71N–.04**	**123.08E–.04**	**19**	**3.9b,3.7s**	**55**	**1-93**
IDC	IV	09 23 39 51.1–.75	12.56N	123.01E	0	4.0,4.0L		¶12582163
ISCJB	IV	09 23 39 53.0–.29	12.70N–.03	123.03E–.04	19	4.0b,3.7s		
MAN	IV	09 23 39 52	12.73N	123.06E	10	5.1b,4.1s		
BJI	IV	09 23 39 55.0	13.19N	123.43E	40	4.0b,4.1s		
NEIC	IV	09 23 39 55.7–.39	12.61N	123.15E	35	4.5b,4.1s		

ISC Event type fe.
IDC Error ellipse: s-maj=30.0km s-min=14.7km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.5km az=145.3.
MAN Event type fe. INTENSITY III - MASBATE MASBATE; CABID-AN SORSOGON; SAN BENON IROSIN SORSOGON.
NEIC Event type fe. Error ellipse: s-maj=14.2km s-min=7.7km az=61.0. Felt [III PIVS] at Masbate. Also felt [III PIVS] at Irosin and Sorsogon; [II PIVS] at Legaspi, Santa Misericordia and Santo Domingo, Luzon.

IDC	**IV**	**11 10 00 45.3–1.4**	**15.40N**	**120.34E**	**106–14**	**3.1,2.9**	
							¶16152659

IDC Error ellipse: s-maj=49.5km s-min=16.5km az=60.0.

MAN	**IV**	**11 19 24 44**	**16.67N**	**122.60E**	**19**	**4.6b,3.5L**	
							¶14717189
ISC	**IV**	**12 20 34 08.8–.60**	**18.62N–.06**	**120.63E–.06**	**41**	**3.9b**	**41 0-88**
IDC	IV	12 20 34 06.9–1.1	18.42N	120.99E	39–8	3.7,3.6		¶12935066
ISCJB	IV	12 20 34 07.2–.37	18.62N–.03	120.67E–.05	41	4.0b,3.6		
MAN	IV	12 20 34 08	18.46N	120.70E	21	5.3b,4.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=28.0km s-min=14.7km az=66.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=4.1km az=159.6.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE; LAOAG CITY.

MAN	**IV**	**13 02 08 41**	**15.12N**	**121.73E**	**35**	**4.0b,2.8L**	
							¶14717252
MAN	**IV**	**14 20 52 26**	**17.70N**	**122.69E**	**25**	**4.8b,3.8s**	
							¶14717271
MAN	**IV**	**16 12 08 15**	**13.22N**	**124.77E**	**33**	**4.5b,3.4L**	
							¶14717375
ISC	**IV**	**18 22 07 23.0–1.3**	**18.60N–.04**	**121.14E–.07**	**31–9**	**4.1b**	**116 1-121**
MAN	IV	18 22 07 20	18.90N	120.77E	6	4.9b,3.9s		¶12935604
NEIC	IV	18 22 07 23.7–.71	18.53N	121.15E	38–6	4.3b,3.9s		
IDC	IV	18 22 07 23.2–5.1	18.55N	121.13E	33–39	4.2L,4.1		

ISC Event type ke.
ISC Event type fe.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.3km az=75.0. Felt [II PIVS] at Laoag and Pasuquin. Also felt at Pagudpud.
IDC Error ellipse: s-maj=17.3km s-min=10.0km az=75.0.

MAN	**IV**	**19 12 27 52**	**16.91N**	**119.61E**	**13**	**4.8b,3.8s**	
							¶14717390
IDC	**IV**	**19 14 31 03.6–2.6**	**14.32N**	**121.37E**	**139–20**	**3.1,3.0**	
							¶16153064

IDC Error ellipse: s-maj=137.9km s-min=18.2km az=67.0.

MAN	**IV**	**20 05 18 23**	**12.68N**	**123.00E**	**1**	**4.0b,2.8L**	
							¶14717393
ISC	**IV**	**20 19 12 38.8–.59**	**15.47N–.03**	**120.28E–.04**	**33–3**	**5.0b,4.4s**	**528 0-153**
MAN	IV	20 19 12 34	15.27N	119.73E	14	5.8b,5.3s		¶13438919
IDC	IV	20 19 12 36.6–4.1	15.44N	120.26E	18–25	4.5,4.5		
MOS	IV	20 19 12 37.3–.84	15.47N	120.30E	33	5.2b,4.5s		
NEIC	IV	20 19 12 40.8–.55	15.39N	120.24E	50–4	5.1b,4.5s		
ISCJB	IV	20 19 12 40.7–.34	15.52N–.02	120.20E–.03	57–3	4.9b,4.5s		
BJI	IV	20 19 12 40.1	15.42N	120.23E	60	5.1b,4.8s		
GCMT	IV	20 19 12 40.8–.20	15.60N	120.03E	30–0	5.2W,4.8s		
TEH	IV	20 19 12 42.0	15.44N	120.24E	62	4.9L,4.8s		
DJA	IV	20 19 12 46.2–.60	16N–4.0	120E–4.0	62–7	5.4b,5.1b		
AUST	IV	20 19 14 06.1	9.00N	120.99E	450	5.4b,5.1b		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - IBA ZAMBALES; INTENSITY III - STA CRUZ ZAMBALES; BAGUIO CITY;CLARKFIELD PAMPANGA; LINGAYEN PANGASINAN.

IDC Error ellipse: s-maj=13.3km s-min=9.8km az=71.0.
MOS Error ellipse: s-maj=10.0km s-min=4.6km az=121.7.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.8km az=86.0. Felt [IV PIVS] at Iba; [III PIVS] at Baguio, Clark Field, Dagupan, Lingayen, Manila and Santa Cruz; [II PIVS] at Makati, Mandaluyong, Quezon City, San Fernando and San Rafael. Felt [II] at Angeles and Olongapo. Also felt at Abucay, Bacoor, Balibago, Binalonan, Binmaley, Botolan, Capas, Cavite, Mabalacat, Masinloc, Palauig, Paniqui, Rizal, San Antonio, Santa Ana and Tarlac.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=177.9.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c94; s77,c141; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.64±.21 $M_{\theta\theta}$9.16±.15; $M_{\phi\phi}$-6.52±.20; $M_{r\theta}$-0.49±.23; $M_{\theta\phi}$-1.06±.13; $M_{\phi r}$-2.18±.33; Best double couple: NP1:ϕ_s316.00000°,δ72.00000°,λ-16.00000°. NP2:ϕ_s52.00000°,δ74.00000°,λ-161.00000°. Principal axes: T 9.2400,Plg2.0000° ,Azm184.0000°; N -1.6600,Plg66.0000°,Azm90.0000°; P -7.5800,Plg24.0000° ,Azm274.0000° M_o8.40000×10^{16}

IDC	**IV**	**21 09 29 35.2–3.1**	**14.45N**	**124.11E**	**0**	**3.6,3.4**		
								¶16153201
IDC		Error ellipse: s-maj=236.1km s-min=28.6km az=63.0.						
ISC	**IV**	**23 12 46 08.7–.49**	**18.73N–.05**	**121.57E–.07**	**10**	**4.2b,3.5s**	**65**	**1-88**
ISCJB	IV	23 12 46 07.7–.50	18.85N–.06	121.57E–.07	10	4.0b,3.5s		¶12936047
IDC	IV	23 12 46 07.6–.71	18.78N	121.59E	0	4.3,4.2		
NEIC	IV	23 12 46 08.8–.38	18.74N	121.60E	10	4.3b,4.2		
MAN	IV	23 12 46 13	18.65N	121.30E	1	4.7b,3.6s		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=10.5km s-min=5.7km az=39.7.							
IDC	Error ellipse: s-maj=20.9km s-min=15.7km az=70.0.							
NEIC	Event type se. Error ellipse: s-maj=10.3km s-min=6.0km az=98.0.							
MAN	**IV**	**23 19 44 16**	**12.94N**	**122.73E**	**21**	**4.4b,3.3L**		
								¶14717410
MAN	**IV**	**24 20 56 03**	**17.18N**	**122.47E**	**13**	**4.6b,3.5s**		
								¶14717420
ISC	**IV**	**25 05 27 33.4–.73**	**15.30N–.06**	**120.3E–.10**	**150**	**3.5b**	**22**	**1-91**
ISCJB	IV	25 05 27 32.3–.47	15.31N–.06	120.4E–.10	150	3.5b		¶13439069
IDC	IV	25 05 27 34.1–1.2	15.17N	120.46E	154–13	3.5,3.4		
MAN	IV	25 05 27 35	15.24N	120.38E	101	4.5b,3.4L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=17.9km s-min=7.5km az=164.9.							
IDC	Error ellipse: s-maj=52.6km s-min=14.9km az=63.0.							
MAN	**IV**	**25 15 24 51**	**18.52N**	**120.65E**	**25**	**4.5b,3.4s**		
								¶14717428
MAN	Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE; LAOAG CITY.							
MAN	**IV**	**26 16 01 19**	**15.25N**	**121.84E**	**137**	**4.6b,3.5L**		
								¶14717433
MAN	**IV**	**27 17 33 28**	**12.77N**	**123.02E**	**14**	**4.5b,3.3L**		
								¶14717445
MAN	**IV**	**27 19 08 35**	**12.80N**	**123.10E**	**11**	**4.4b,3.2L**		
								¶14717447
ISC	**IV**	**29 21 57 49.3–.81**	**13.01N–.06**	**124.59E–.08**	**44**	**3.9b**	**22**	**1-53**
IDC	IV	29 21 57 43.2–.88	13.05N	124.64E	0	3.9,3.8		¶12936386
ISCJB	IV	29 21 57 47.5–.59	13.05N–.04	124.62E–.06	44	3.7b,3.0s		
MAN	IV	29 21 57 47	13.02N	124.45E	13	4.8b,3.7s		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=40.0km s-min=14.7km az=71.0.							
ISCJB	Event type ke. Error ellipse: s-maj=8.8km s-min=5.6km az=154.8.							
MAN	**V**	**01 15 46 06**	**17.46N**	**120.80E**	**3**	**3.9b,2.7L**		
								¶14717484
MAN	**V**	**02 09 08 13**	**17.95N**	**120.95E**	**20**	**4.1b,2.9L**		
								¶14717485
MAN	**V**	**03 21 35 12**	**17.67N**	**122.74E**	**44**	**4.7b,3.5s**		
								¶14717489
MAN	**V**	**04 09 19 00**	**17.80N**	**120.19E**	**27**	**3.9b,2.7L**		
								¶14717491
MAN	**V**	**07 03 15 21**	**15.13N**	**120.28E**	**21**	**4.3b,3.1L**		
								¶14717500
MAN	**V**	**07 23 52 31**	**14.35N**	**119.71E**	**26**	**4.5b,3.4L**		
								¶14717502
MAN	**V**	**08 12 41 19**	**17.28N**	**120.25E**	**27**	**4.4b,3.3L**		
								¶14717503
ISC	**V**	**09 05 18 23.1–1.6**	**17.54N–.06**	**122.55E–.09**	**35–7**	**3.8b**	**29**	**0-89**
IDC	V	09 05 18 18.2–1.1	17.40N	122.61E	0	4.1,3.8		¶13678594
MAN	V	09 05 18 21	17.56N	122.56E	33	4.6b,3.5s		
ISCJB	V	09 05 18 24.2–.85	17.42N–.05	122.46E–.06	52–9	3.9b,3.1s		
NEIC	V	09 05 18 25.4–.60	17.22N	123.00E	35	4.4b,3.1s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=46.3km s-min=20.6km az=58.0.							
ISCJB	Event type se. Error ellipse: s-maj=11.0km s-min=7.3km az=147.2.							
NEIC	Event type se. Error ellipse: s-maj=25.2km s-min=9.1km az=86.0.							
MAN	**V**	**09 09 11 37**	**12.81N**	**122.99E**	**11**	**3.9b,2.7L**		
								¶14717504
MAN	**V**	**09 11 56 56**	**15.35N**	**120.49E**	**7**	**3.9b,2.7L**		
								¶14717505
MAN	**V**	**09 12 36 59**	**18.39N**	**120.78E**	**17**	**4.5b,3.3L**		
								¶14717506
MAN	**V**	**10 18 22 49**	**18.63N**	**121.03E**	**1**	**4.4b,3.3L**		
								¶14717509
MAN	**V**	**10 22 07 34**	**18.34N**	**120.73E**	**42**	**4.5b,3.4L**		
								¶14717511
MAN	**V**	**11 04 40 10**	**18.36N**	**120.71E**	**26**	**4.1b,2.9L**		
								¶14717513
MAN	**V**	**11 18 11 46**	**12.92N**	**122.85E**	**1**	**3.7b,2.4L**		
								¶14717514
MAN	**V**	**12 03 35 40**	**18.43N**	**120.67E**	**27**	**3.9b,2.6L**		
								¶14717516
MAN	**V**	**12 13 35 27**	**17.76N**	**122.06E**	**12**	**4.4b,3.2L**		
								¶14717517
MAN	**V**	**13 16 54 53**	**17.83N**	**120.32E**	**18**	**4.5b,3.4L**		
								¶14717519
MAN	**V**	**14 17 21 32**	**18.06N**	**120.75E**	**32**	**4.7b,3.6s**		
								¶14717521
ISC	**V**	**14 18 13 57.4–1.3**	**15.62N–.10**	**119.7E–.10**	**31**		**10**	**1-41**
ISCJB	V	14 18 13 59.0–1.1	15.83N–.07	119.78E–.10	31	3.2b		¶13678949
MAN	V	14 18 13 59	15.83N	119.90E	14	4.5b,3.4L		
IDC	V	14 18 14 00.4–2.0	14.05N	119.08E	0	3.5,3.4L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=13.5km s-min=8.9km az=163.4.							
IDC	Error ellipse: s-maj=43.3km s-min=24.4km az=3.0.							
MAN	**V**	**14 21 05 15**	**16.08N**	**119.79E**	**32**	**3.9b,2.7L**		
								¶14717522
MAN	**V**	**19 16 31 00**	**18.89N**	**121.23E**	**16**	**4.7b,3.7L**		
								¶14717531
MAN	**V**	**20 09 08 59**	**12.65N**	**123.56E**	**7**	**4.0b,2.7L**		
								¶14717533
ISC	**V**	**20 15 28 07.6–.97**	**14.8N–.40**	**120.4E–.60**	**10**	**3.5b**	**8**	**1-55**
IDC	V	20 15 28 06.7–.90	14.90N	120.46E	0	3.5,3.3		¶16155959
MAN	V	20 15 28 09	18.90N	121.18E	1	4.6b,3.4L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=57.7km s-min=9.1km az=59.0.							
MAN	**V**	**21 14 11 48**	**15.69N**	**121.19E**	**1**	**4.2b,3.0L**		
								¶14717537
MAN	**V**	**21 17 06 33**	**16.37N**	**122.01E**	**33**	**4.4b,3.3L**		
								¶14717539
MAN	**V**	**22 15 52 44**	**16.72N**	**120.48E**	**22**	**4.6b,3.5L**		
								¶14717544
ISC	**V**	**24 01 06 27.5–.58**	**15.05N–.03**	**119.77E–.05**	**40–5**	**5.2b,4.9s**	**309**	**1-173**
DJA	V	24 01 06 10.5–.30	13N–4.0	122E–3.0	10	5.7b,5.3b		¶13439769
IDC	V	24 01 06 20.6–.35	14.88N	119.82E	0	5.0,5.0		
MAN	V	24 01 06 24	15.13N	119.77E	1	5.7b,5.2s		
MOS	V	24 01 06 25.8–1.3	14.90N	119.79E	48	5.2b,5.0s		
BJI	V	24 01 06 26.5	14.94N	119.62E	43	5.1s,5.1b		
ISCJB	V	24 01 06 27.9–.40	14.93N–.02	119.82E–.03	64–3	5.1b,5.1b		
GCMT	V	24 01 06 27.8–.20	15.13N	119.63E	22–0	5.4W,5.1b		
NEIC	V	24 01 06 28.6–.57	14.85N	119.80E	58–5	5.2b,5.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.3km s-min=9.6km az=77.0.
MAN Event type fe. INTENSITY III - IBA ZAMBALES; SUBIC OLONGAPO; INTENSITY II - QUEZON CITY; ORTIGAS.
MOS Error ellipse: s-maj=10.1km s-min=5.6km az=111.4.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.2km az=170.1.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c92; s85,c130; Moment tensor: Scale 10^{17}Nm; M_{rr}1.04±.05 $M_{\theta\theta}$0.13±.03; $M_{\phi\phi}$-1.17±.03; $M_{r\theta}$-0.53±.06; $M_{\theta\phi}$-0.15±.02; $M_{\phi r}$-0.66±.05; Best double couple: NP1:ϕ_s347.00000°,δ32.00000°,λ56.00000°. NP2:ϕ_s205.00000°,δ64.00000°,λ109.00000°. Principal axes: T 1.4000,Plg66.0000° ,Azm149.0000°; N 0.0100,Plg17.0000°,Azm17.0000°; P -1.4100,Plg17.0000°,Azm282.0000° M_o1.40000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.9km az=84.0. Felt [III PIVS] at Iba, Olongapo and Subic; [II PIVS] at Makati, Pasig and Quezon City. Felt [III] at Manila. Also felt at Angeles and Batangas.

MAN	**V**	**26 15 30 17**	**18.58N**	**120.70E**	**33**	**3.8b,2.5L**		
								¶14717546
MAN	**V**	**30 15 38 53**	**16.35N**	**119.69E**	**24**	**4.1b,2.9L**		
								¶14717556
MAN	**V**	**31 20 45 15**	**14.77N**	**121.99E**	**27**	**4.3b,3.2L**		
								¶14717558
MAN	**VI**	**01 06 56 33**	**12.13N**	**122.40E**	**25**	**3.5b,2.2L**		
								¶14717559
MAN	**VI**	**05 06 19 52**	**16.76N**	**119.56E**	**30**	**4.4b,3.3L**		
								¶14717701
MAN	**VI**	**05 12 05 10**	**18.51N**	**120.95E**	**18**	**4.1b,2.9L**		
								¶14717702
MAN	**VI**	**06 18 38 05**	**18.08N**	**120.55E**	**32**	**3.7b,2.4L**		
								¶14717741
MAN	**VI**	**06 19 53 08**	**16.83N**	**120.45E**	**109**	**4.5b,3.3L**		
								¶14717742
MAN	**VI**	**06 23 31 11**	**18.27N**	**120.75E**	**14**	**4.3b,3.1L**		
								¶14717744
MAN	**VI**	**08 02 22 34**	**12.44N**	**123.75E**	**19**	**3.8b,2.5L**		
								¶14717783
ISC	**VI**	**08 04 12 27.4–.61**	**18.56N–.07**	**120.1E–.10**	**24**	**3.8b**	**26**	**1-116**
ISCJB	VI	08 04 12 25.5–.53	18.66N–.06	119.92E–.10	24	3.8b,3.1s		¶13680869
MAN	VI	08 04 12 25	18.66N	119.90E	15	4.5b,3.4L		
IDC	VI	08 04 12 28.9–.88	18.53N	120.11E	42–8	3.9,3.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=14.6km s-min=6.6km az=151.3.							
IDC	Error ellipse: s-maj=23.5km s-min=13.2km az=77.0.							
ISC	**VI**	**09 00 11 32.0–1.9**	**17.78N–.06**	**120.02E–.06**	**23–15**	**3.7b**	**21**	**0-83**
IDC	VI	09 00 11 25.1–1.1	18.37N	122.32E	0	3.8,3.6b		¶14717821
ISCJB	VI	09 00 11 33.2–.85	17.78N–.05	120.08E–.06	40–11	3.6b,2.8s		
MAN	VI	09 00 11 33	17.76N	120.10E	28	4.7b,3.6s		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=53.1km s-min=20.1km az=62.0.							
ISCJB	Event type ke. Error ellipse: s-maj=10.1km s-min=8.1km az=27.4.							
MAN	**VI**	**09 01 36 06**	**17.95N**	**120.32E**	**35**	**4.0b,2.8L**		
								¶14717822
MAN	**VI**	**09 13 40 34**	**16.34N**	**120.28E**	**7**	**4.4b,3.2L**		
								¶14717824
MAN	**VI**	**09 18 01 46**	**18.47N**	**120.72E**	**17**	**4.2b,3.0L**		
								¶14717825
MAN	**VI**	**10 06 53 55**	**17.70N**	**120.22E**	**40**	**3.9b,2.6L**		
								¶14717863
MAN	**VI**	**10 15 07 05**	**17.93N**	**120.70E**	**35**	**3.9b,2.6L**		
								¶14717866
MAN	**VI**	**11 08 59 17**	**18.89N**	**120.75E**	**23**	**3.7b,2.4L**		
								¶14717903
MAN	**VI**	**11 21 41 09**	**17.91N**	**120.29E**	**37**	**4.1b,2.9L**		
								¶14717905
ISC	**VI**	**12 17 45 18.4–1.1**	**17.51N–.04**	**122.44E–.06**	**38–12**	**3.0b**	**28**	**0-44**
IDC	VI	12 17 45 12.7–1.4	17.31N	122.39E	0	3.4,3.3		¶13681236
ISCJB	VI	12 17 45 17.7–.66	17.51N–.04	122.50E–.05	50–7	3.0b,3.3		
MAN	VI	12 17 45 17	17.47N	122.46E	28	4.7b,3.6s		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=70.9km s-min=23.9km az=75.0.							
ISCJB	Event type ke. Error ellipse: s-maj=9.1km s-min=5.0km az=148.5.							
MAN	**VI**	**14 06 35 25**	**18.38N**	**120.91E**	**33**	**4.0b,2.8L**		
								¶14717988
MAN	**VI**	**15 16 09 21**	**17.68N**	**121.11E**	**8**	**4.3b,3.2L**		
								¶14718005
MAN	**VI**	**15 19 39 24**	**18.61N**	**121.03E**	**12**	**3.9b,2.7L**		
								¶14718006
MAN	**VI**	**16 16 10 43**	**12.80N**	**122.91E**	**17**	**4.4b,3.3L**		
								¶14718028
ISC	**VI**	**17 00 11 58.3–.64**	**16.76N–.04**	**119.88E–.07**	**34**	**3.8b**	**26**	**1-172**
ISCJB	VI	17 00 11 58.8–.63	16.81N–.04	119.83E–.06	34	3.7b		¶13383491
MAN	VI	17 00 12 00	16.71N	120.00E	24	4.6b,3.5L		
IDC	VI	17 00 12 01.0–.86	16.57N	120.27E	75–8	3.6,3.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.7km s-min=6.2km az=175.1.							
IDC	Error ellipse: s-maj=26.9km s-min=12.9km az=71.0.							
MAN	**VI**	**22 19 19 18**	**14.98N**	**119.76E**	**1**	**4.5b,3.4L**		
								¶14718201
ISC	**VI**	**24 00 58 21.1–.70**	**14.1N–.10**	**120.57E–.09**	**120**	**3.7b**	**32**	**0-87**
IDC	VI	24 00 58 18.8–.80	13.93N	120.79E	103–8	3.6,3.6		¶13383551
ISCJB	VI	24 00 58 19.8–.52	13.97N–.10	120.59E–.06	120	3.9b,3.6		
MAN	VI	24 00 58 19	13.97N	120.29E	44	4.4b,3.3L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=38.8km s-min=14.7km az=64.0.							
ISCJB	Event type ke. Error ellipse: s-maj=14.5km s-min=7.6km az=16.2.							
IDC	**VI**	**24 02 29 40.9–.63**	**14.44N**	**120.46E**	**116–7**	**3.7,3.5**		
								¶16101673
IDC	Error ellipse: s-maj=33.0km s-min=14.8km az=66.0.							
ISC	**VI**	**26 14 59 04.7–.67**	**15.50N–.04**	**119.91E–.08**	**53**	**4.0b**	**32**	**0-85**
MAN	VI	26 14 59 01	15.47N	119.82E	18	4.9b,3.8s		¶13383567
IDC	VI	26 14 59 02.5–2.3	15.41N	120.02E	34–18	3.8,3.7		
ISCJB	VI	26 14 59 03.2–.51	15.47N–.04	119.89E–.07	53	3.9b,3.7		
ISC	Event type ke.							
ISCJB	Event type ke.							
MAN	**VI**	**27 00 26 17**	**18.37N**	**120.85E**	**5**	**3.7b,2.4L**		
								¶14718335
MAN	**VI**	**27 10 22 18**	**17.48N**	**121.03E**	**33**	**4.0b,2.8L**		
								¶14718338
ISC	**VI**	**27 13 02 15.5–.44**	**18.24N–.03**	**122.47E–.04**	**15–2**	**4.3b,3.7s**	**175**	**0-88**
ISCJB	VI	27 13 02 15.1–.75	18.33N–.02	122.55E–.03	23–5	4.3b,3.7s		¶13383577
BJI	VI	27 13 02 15.4	18.63N	122.47E	4	4.6b,4.5b		
MOS	VI	27 13 02 16.0–1.3	18.18N	122.47E	33	4.6b,4.5b		
NEIC	VI	27 13 02 17.6–.35	18.19N	122.29E	35	4.5b,4.5b		
MAN	VI	27 13 02 18	18.07N	122.30E	4	5.3b,4.6s		
IDC	VI	27 13 02 21.1–2.6	18.17N	122.51E	59–24	4.0,4.0L		
DJA	VI	27 13 02 47.5–1.5	18N–8.0	122E–6.0	370–22	5.2b,4.5		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
MAN	**VI**	**28 14 36 58**	**18.14N**	**122.34E**	**2**	**4.7b,3.6s**		
								¶14718361
ISC	**VI**	**29 13 11 30.3–.43**	**15.59N–.03**	**121.77E–.06**	**26**	**4.4b**	**77**	**0-91**
ISCJB	VI	29 13 11 27.8–.40	15.50N–.06	121.82E–.07	26	4.3b,3.8s		¶13307330
NEIC	VI	29 13 11 31.3–.32	15.56N	121.70E	39	4.5b,3.8s		
IDC	VI	29 13 11 31.4–.64	15.57N	121.67E	38–5	4.1,4.0b		
MAN	VI	29 13 11 33	15.64N	121.64E	30	5.4b,4.6s		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=10.6km s-min=6.2km az=144.0.							
NEIC	Event type fe. Error ellipse: s-maj=11.7km s-min=6.9km az=75.0. Felt [IV PIVS] at Baler, Dingalan and Gabaldon; [III PIVS] at Baguio, La Trinidad and Palayan City; [I PIVS] at Quezon City.							
IDC	Error ellipse: s-maj=18.2km s-min=11.9km az=76.0.							

MAN Event type fe. INTENSITY IV - BALER & DINGALAN AURORA; GABALDON NUEVA ECIJA; INTENSITY III -PALAYAN NUEVA ECIJA.
MAN VI 29 19 58 23 17.80N 120.90E 32 4.0b,2.8L
¶14718375

(250) Mindoro.

ISC I 01 04 58 52.9–.97 13.59N–.08 120.4E–.10 70 3.7b 10 1-46
ISCJB I 01 04 58 51.7–.78 13.61N–.07 120.3E–.10 70 3.6b **¶12079735**
MAN I 01 04 58 53 13.55N 120.40E 52 4.3b,3.1L
IDC I 01 04 58 53.3–3.2 13.66N 120.60E 76–35 3.4,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.8km s-min=9.0km az=20.7.
IDC Error ellipse: s-maj=103.7km s-min=17.8km az=68.0.
MAN I 04 13 19 06 12.45N 120.30E 27 4.4b,3.3L
¶14716450
ISC I 07 22 39 08.3–.82 13.38N–.04 120.21E–.07 16 3.6b 15 0-39
IDC I 07 22 39 06.9–1.2 13.31N 120.30E 0 4.1,3.8b **¶12080690**
ISCJB I 07 22 39 08.0–.64 13.42N–.04 120.18E–.07 16 3.7b,3.8b
MAN I 07 22 39 08 13.51N 120.11E 23 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=24.4km s-min=11.2km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.4km az=10.1.
ISC I 08 06 25 35.3–.66 13.80N–.09 120.7E–.10 200 3.9b 34 0-79
ISCJB I 08 06 25 33.8–.47 13.71N–.08 120.52E–.10 200 3.8b **¶12080713**
IDC I 08 06 25 35.1–.50 13.86N 120.94E 201–6 3.8,3.7b
NEIC I 08 06 25 35.3–.66 13.78N 120.75E 203–8 4.0b,3.7b
MAN I 08 06 25 36 13.87N 120.62E 181 4.5b,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=8.1km az=144.2.
IDC Error ellipse: s-maj=90.1km s-min=10.2km az=66.0.
NEIC Event type se. Error ellipse: s-maj=49.5km s-min=7.6km az=68.0.
ISC I 09 18 25 18.3–.60 13.28N–.05 120.29E–.06 70 4.3b 62 1-87
MAN I 09 18 25 13 13.33N 120.14E 83 4.6b,3.4L **¶12080872**
IDC I 09 18 25 15.1–3.3 13.39N 120.40E 35–28 4.1,3.9b
ISCJB I 09 18 25 16.3–.31 13.30N–.04 120.42E–.05 70 4.2b,3.9b
NEIC I 09 18 25 16.4–.85 13.44N 120.54E 52–8 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=14.9km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.1km az=152.9.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.5km az=56.0.
ISC I 11 12 40 12.6–.89 13.99N–.07 120.6E–.10 120 3.3b 13 0-46
MAN I 11 12 40 10 11.94N 122.29E 103 4.3b,3.1L **¶12081031**
ISCJB I 11 12 40 11.4–.59 13.98N–.07 120.6E–.10 120 3.4b,3.1L
IDC I 11 12 40 11.9–.88 14.03N 120.63E 104–11 3.3s,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=9.6km az=10.7.
IDC Error ellipse: s-maj=42.9km s-min=17.1km az=60.0.
ISC I 12 02 00 48.4–.77 13.42N–.05 120.70E–.09 35 4.9b 50 1-56
ISCJB I 12 02 00 47.2–.39 13.38N–.04 120.58E–.06 33 4.8b,3.4s **¶12081078**
NEIC I 12 02 00 48.4–1.3 13.50N 120.82E 38–13 5.2b,3.4s
MAN I 12 02 00 48 13.25N 120.60E 35 4.4b,3.2L
IDC I 12 02 00 48.1–2.3 13.52N 120.90E 33–20 4.0,3.8
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=5.5km az=176.6.
NEIC Event type fe. Error ellipse: s-maj=13.7km s-min=7.4km az=53.0. Felt [IV PIVS] at Paluan and [II PIVS] at Mamburao and Puerto Galera.
MAN Event type fe. Intensity IV - Paluan Occidental Mindoro Intensity II - Mamburao Occidental MIndoro; Puerto Galera.
IDC Error ellipse: s-maj=47.0km s-min=15.2km az=64.0.
ISC I 19 11 01 16.5–.90 13.53N–.05 120.06E–.08 16 3.6b 17 0-56
IDC I 19 11 01 13.9–1.1 13.45N 120.01E 0 3.7,3.6b **¶12081745**
ISCJB I 19 11 01 16.0–.71 13.58N–.05 119.95E–.07 16 3.7b,3.6b
MAN I 19 11 01 18 13.60N 120.14E 37 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=20.9km s-min=12.7km az=134.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.5km az=10.2.
ISC I 20 08 32 42.2–.79 13.41N–.05 120.51E–.09 70 4.2b 30 0-56
IDC I 20 08 32 34.7–.89 13.39N 120.37E 0 4.1,3.9b **¶12081852**
ISCJB I 20 08 32 40.9–.47 13.40N–.05 120.45E–.08 70 4.0b,3.9b
NEIC I 20 08 32 40.9–1.4 13.47N 120.53E 50–16 4.6b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=15.6km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.0km az=165.1.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=7.3km az=61.0.
ISC I 20 08 52 10.0–.88 13.40N–.05 120.26E–.09 16 3.8b 14 0-50
IDC I 20 08 52 07.7–1.0 13.37N 120.29E 0 3.9,3.7b **¶12081853**
ISCJB I 20 08 52 08.8–.71 13.41N–.05 120.10E–.07 16 3.8b,3.7b
MAN I 20 08 52 08 13.53N 120.04E 19 4.1b,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=16.5km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=6.6km az=27.7.
ISC I 22 23 35 10.4–.77 13.47N–.07 120.53E–.08 10 4.3b 32 0-50
ISCJB I 22 23 35 09.5–.45 13.41N–.04 120.50E–.05 10 4.2b **¶12082085**
IDC I 22 23 35 09.0–.95 13.36N 120.61E 0 4.0,3.8b
MAN I 22 23 35 10 13.57N 120.40E 28 4.0b,2.7L
NEIC I 22 23 35 12.2–1.7 13.48N 120.77E 24–14 4.6b,2.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.7km az=168.8.
IDC Error ellipse: s-maj=21.7km s-min=9.9km az=109.0.
MAN Event type fe. INTENSITY III - PALUAN OCC. MINDORO.
NEIC Event type fe. Error ellipse: s-maj=18.1km s-min=6.6km az=53.0. Felt [III PIVS] at Paluan.
IDC I 22 23 36 47.9–.96 13.38N 120.65E 0 3.8,3.6b
¶12082086
IDC Error ellipse: s-maj=23.0km s-min=10.7km az=104.0.
IDC I 23 09 32 42.5–.54 13.61N 121.08E 176–3 3.7,3.5b
¶11677666
IDC Error ellipse: s-maj=39.1km s-min=12.2km az=64.0.
IDC I 23 22 33 14.3–1.2 13.16N 120.73E 0 3.5,3.4
¶12082166
IDC Error ellipse: s-maj=39.0km s-min=11.4km az=95.0.
ISC I 24 13 52 12.0–1.1 13.31N–.06 120.0E–.10 16 3.6b 11 0-50
ISCJB I 24 13 52 11.0–.80 13.30N–.06 119.95E–.10 16 3.6b **¶12082228**
MAN I 24 13 52 12 13.35N 119.96E 33 4.3b,3.2L
IDC I 24 13 52 16.7–2.3 14.27N 120.02E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=8.9km az=5.6.
IDC Error ellipse: s-maj=68.9km s-min=9.8km az=19.0.
ISC I 24 20 45 03.0–.65 13.52N–.05 120.7E–.10 35 4.5b 60 1-62
IDC I 24 20 44 58.1–.86 13.36N 120.52E 0 4.3,4.2 **¶11677687**
MAN I 24 20 44 59 13.51N 120.38E 17 4.9b,3.8s
ISCJB I 24 20 45 01.7–.32 13.42N–.04 120.51E–.05 33 4.5b,2.7s
NEIC I 24 20 45 03.1–1.2 13.53N 120.82E 40–12 4.6b,2.7s
ISC Event type fe.
IDC Error ellipse: s-maj=19.7km s-min=10.4km az=112.0.
MAN Event type fe. INTENSITY I - PALUAN OCC. MINDORO.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.7km az=156.7.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=6.1km az=58.0. Felt [I PIVS] at Paluan.
IDC I 26 07 49 08.5–1.3 13.65N 121.19E 0 3.8,3.5b
¶12082361
IDC Error ellipse: s-maj=60.8km s-min=20.0km az=60.0.
ISC I 27 06 15 49.1–.68 13.88N–.05 120.54E–.08 143–6 4.0b 33 0-93
ISCJB I 27 06 15 47.9–.37 13.89N–.04 120.48E–.08 145–3 3.8b **¶12082450**
MAN I 27 06 15 48 13.92N 120.48E 132 4.5b,3.4L
IDC I 27 06 15 49.2–.52 13.88N 120.75E 144–4 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=6.2km az=167.5.
IDC Error ellipse: s-maj=23.6km s-min=9.8km az=66.0.
ISC I 29 03 25 33.3–.58 13.31N–.04 120.07E–.06 16 4.3b 47 0-87
IDC I 29 03 25 30.7–.81 13.31N 120.05E 0 4.4,4.2 **¶12082635**
ISCJB I 29 03 25 32.6–.39 13.33N–.04 119.97E–.04 16 4.3b,3.0s
MAN I 29 03 25 34 13.40N 120.08E 15 4.5b,3.4L
NEIC I 29 03 25 37.4–1.6 13.38N 120.31E 50–16 4.5b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=12.5km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.1km az=35.1.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=8.1km az=60.0.
MAN I 31 22 51 46 13.62N 120.39E 36 4.3b,3.2L
IDC I 31 22 51 45.8–1.0 13.36N 120.67E 0 4.0,3.8 **¶12082869**
IDC Error ellipse: s-maj=25.7km s-min=10.0km az=103.0.
IDC II 01 07 16 25.1–1.2 13.92N 121.98E 0 3.8,3.7
¶15954815
IDC Error ellipse: s-maj=26.7km s-min=11.9km az=23.0.
IDC II 06 03 09 38.6–1.0 13.35N 120.16E 0 4.1,3.9
¶15955124
IDC Error ellipse: s-maj=21.2km s-min=12.0km az=124.0.
IDC II 13 23 43 11.4–1.1 13.28N 120.25E 0 3.8,3.6
¶15956014
IDC Error ellipse: s-maj=24.0km s-min=11.9km az=117.0.
MAN II 17 17 20 18 13.74N 120.52E 85 4.2b,3.1L
¶14716595
ISC II 24 19 27 41.8–.71 13.78N–.05 120.53E–.07 120 3.9b 26 0-79
ISCJB II 24 19 27 40.8–.48 13.78N–.05 120.51E–.07 120 3.7b **¶12701771**
MAN II 24 19 27 41 13.81N 120.50E 109 4.2b,3.0L
IDC II 24 19 27 41.9–.59 13.85N 120.93E 124–5 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.6km az=177.7.
IDC Error ellipse: s-maj=39.6km s-min=11.9km az=70.0.
ISC III 03 20 32 29.5–1.1 13.7N–.20 121.0E–.20 150 3.6b 19 0-79
ISCJB III 03 20 32 28.1–.97 13.7N–.20 121.0E–.20 150 3.5b **¶12054460**
IDC III 03 20 32 28.5–.95 13.68N 121.00E 134–7 3.5,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.9km s-min=17.4km az=42.4.
IDC Error ellipse: s-maj=41.1km s-min=19.2km az=62.0.
ISC III 10 00 48 09.8–.94 13.5N–.10 120.4E–.10 10 3.8b 10 0-39
ISCJB III 10 00 48 08.4–.89 13.41N–.05 120.26E–.08 10 3.9b **¶12702829**
IDC III 10 00 48 08.2–1.1 13.31N 120.34E 0 4.1,3.9
MAN III 10 00 48 10 13.52N 120.39E 1 4.0b,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=6.7km az=158.6.
IDC Error ellipse: s-maj=24.7km s-min=11.4km az=116.0.
ISC III 14 02 03 28.3–.59 13.68N–.05 120.54E–.07 115–5 4.0b 43 0-151
ISCJB III 14 02 03 27.7–.35 13.67N–.05 120.58E–.07 122–3 4.1b **¶11882876**
IDC III 14 02 03 27.9–.57 13.71N 120.70E 115–4 3.8,3.7b
MAN III 14 02 03 30 13.62N 120.53E 92 4.2b,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.2km az=151.7.
IDC Error ellipse: s-maj=23.5km s-min=11.5km az=74.0.
ISC III 24 23 57 45.4–.83 13.9N–.10 120.8E–.20 120 3.6b 14 0-79
IDC III 24 23 57 44.5–.91 13.80N 121.03E 123–4 3.5,3.4b **¶12635501**
MAN III 24 23 57 44 13.73N 120.44E 103 3.9b,2.7L
ISC Event type ke.
IDC Error ellipse: s-maj=44.3km s-min=18.5km az=63.0.
ISC IV 08 13 35 08.8–.78 13.54N–.04 120.64E–.05 10 4.0b 24 0-97
IDC IV 08 13 35 08.0–1.2 13.45N 120.74E 0 4.1,3.9 **¶12934801**
ISCJB IV 08 13 35 08.0–.50 13.48N–.04 120.62E–.05 10 3.9b,3.5s
MAN IV 08 13 35 08 13.53N 120.59E 9 4.7b,3.6s
NEIC IV 08 13 35 11.9–.79 13.67N 120.94E 35 4.2b,3.6s
ISC Event type fe.
IDC Error ellipse: s-maj=32.7km s-min=9.4km az=100.0.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=5.3km az=14.6.
MAN Event type fe. INTENSITY II - PUERTO GALERA; ILIJAN.
NEIC Event type fe. Error ellipse: s-maj=29.0km s-min=12.8km az=68.0. Felt [II PIVS] at Puerto Galera. Also felt [II PIVS] at Batangas and Ilijan, Luzon.
ISC IV 09 15 29 48.9–1.1 13.35N–.05 120.28E–.09 70 3.4b 14 0-39
MAN IV 09 15 29 47 13.30N 120.25E 30 4.2b,3.0L **¶12934879**
ISCJB IV 09 15 29 48.1–.78 13.35N–.05 120.4E–.10 70 3.3b,3.0L
IDC IV 09 15 29 50.7–4.0 13.43N 120.72E 65–40 3.3,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=7.6km az=7.1.
IDC Error ellipse: s-maj=131.0km s-min=23.7km az=73.0.
ISC IV 14 08 24 29.5–.42 13.47N–.05 120.93E–.06 200 4.2b 99 1-145
NEIC IV 14 08 24 28.2–.67 13.35N 121.04E 192–6 4.4b **¶13438517**
ISCJB IV 14 08 24 28.4–.28 13.49N–.05 120.97E–.05 200 4.1b
IDC IV 14 08 24 28.2–.78 13.38N 121.00E 191–6 4.0,3.9
MAN IV 14 08 24 29 13.48N 120.77E 184 4.6b,3.5s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.9km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.7km az=44.9.
IDC Error ellipse: s-maj=17.6km s-min=11.8km az=71.0.
ISC IV 22 18 42 04.1–1.2 13.88N–.09 120.5E–.10 120 3.3b 12 0-40
IDC IV 22 18 41 57.1–1.5 13.25N 120.23E 0 3.5,3.3 **¶12935945**
MAN IV 22 18 42 04 13.85N 120.44E 68 4.7b,3.6s
ISCJB IV 22 18 42 04.2–.82 13.96N–.07 120.6E–.10 120 3.3b,3.6s
ISC Event type ke.
ISCJB Event type ke.
IDC IV 27 14 42 33.5–1.7 12.95N 121.60E 0 3.5,3.2
¶16154564
IDC Error ellipse: s-maj=71.6km s-min=20.0km az=58.0.
MAN IV 27 14 46 14 12.93N 121.15E 4 3.9b,2.7L
¶14717441
MAN IV 27 14 47 50 12.58N 121.30E 62 3.6b,2.4L
¶14717442
MAN IV 27 15 01 02 12.80N 121.26E 22 4.0b,2.8L
¶14717443
ISC IV 27 17 45 40.9–.77 13.84N–.05 120.37E–.07 93–7 3.7b 33 0-55
ISCJB IV 27 17 45 39.9–.40 13.83N–.05 120.43E–.08 102–6 3.6b **¶12936272**
MAN IV 27 17 45 39 13.85N 120.34E 89 4.9b,3.9s
IDC IV 27 17 45 40.4–.86 13.85N 120.73E 102–10 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=7.9km az=168.2.
IDC Error ellipse: s-maj=42.6km s-min=14.2km az=63.0.
ISC V 01 03 54 58.9–.77 13.63N–.05 120.67E–.07 150 3.6b 25 0-93
IDC V 01 03 54 57.9–.62 13.61N 120.93E 142–5 3.6,3.4 **¶13678150**
ISCJB V 01 03 54 57.9–.42 13.63N–.05 120.70E–.08 150 3.5b,3.4
MAN V 01 03 54 59 13.63N 120.58E 125 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=15.3km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.9km az=171.4.
ISC V 02 12 39 35.4–1.1 13.03N–.06 120.20E–.08 31 3.2b 11 1-80
IDC V 02 12 39 34.1–1.3 13.43N 119.80E 0 3.6,3.4b **¶13678230**
ISCJB V 02 12 39 34.7–.84 12.98N–.05 120.10E–.08 31 3.4b,3.2s
MAN V 02 12 39 35 12.97N 120.19E 27 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=16.7km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=7.7km az=177.7.
MAN V 03 12 06 38 13.89N 120.94E 31 4.1b,2.9L
¶14717487
ISC V 03 12 38 37.3–1.7 13.52N–.05 120.28E–.08 26–14 4.0b 15 0-56
IDC V 03 12 38 34.5–.93 13.36N 120.12E 0 4.0,3.8 **¶13678275**
MAN V 03 12 38 36 13.58N 120.21E 30 4.4b,3.2L
ISCJB V 03 12 38 37.1–1.1 13.47N–.06 120.20E–.06 28–9 3.8b,3.2L
ISC Event type ke.
ISCJB Event type ke.
MAN V 04 01 34 07 12.40N 121.76E 23 3.6b,2.4L
¶14717490
IDC V 06 23 32 39.1–1.5 13.72N 120.69E 0 3.6,3.6
¶16155467
IDC Error ellipse: s-maj=159.4km s-min=23.5km az=67.0.
ISC V 13 19 18 52.2–1.1 13.2N–.10 120.26E–.09 27 3.3b 10 1-39
IDC V 13 19 18 48.7–1.2 13.09N 120.18E 0 3.5,3.3 **¶16155718**
ISCJB V 13 19 18 50.5–.89 13.08N–.09 120.19E–.10 27 3.3b,2.6s
ISC Event type ke.

ISCJB Event type ke.
ISC V 29 06 51 51.3–.69 13.62N–.06 120.94E–.07 35 3.7b 21 0-119
IDC V 29 06 51 45.9–.77 13.51N 120.98E 0 4.3s,4.3 ¶13679874
MAN V 29 06 51 47 13.66N 120.98E 15 4.8b,3.7s
ISCJB V 29 06 51 49.1–.53 13.68N–.04 120.97E–.06 33 4.6s,3.8b
ISC Event type fe.
MAN Event type fe. INTENSITY II - PUERTO GALERA ORIENTAL MINDORO; BATANGAS CITY.
ISCJB Event type fe.
ISC V 30 12 32 16.9–.83 13.72N–.05 120.33E–.07 70 4.2b 22 1-87
IDC V 30 12 32 17.0–.74 13.71N 120.88E 104–5 3.8,3.7b ¶13679975
MAN V 30 12 32 17 13.73N 120.43E 70 4.7b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=30.8km s-min=13.9km az=63.0.
ISC VI 01 05 56 55.0–.47 13.91N–.04 120.00E–.05 57 4.2b 72 1-93
ISCJB VI 01 05 56 53.9–.31 13.90N–.03 119.93E–.04 57 4.2b ¶13439853
MAN VI 01 05 56 54 13.92N 119.94E 55 4.8b,3.8s
IDC VI 01 05 56 58.1–.84 13.95N 120.43E 90–7 4.0,3.9
NEIC VI 01 05 56 58.2–.56 13.97N 120.46E 91–5 4.2b,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.2km az=165.5.
MAN Event type fe. INTENSITY II - LUBANG OCCIDENTAL MINDORO.
IDC Error ellipse: s-maj=23.0km s-min=10.6km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=5.1km az=73.0. Felt [II PIVS] on Lubang Island.
MAN VI 01 14 06 27 13.55N 120.57E 58 4.0b,2.8L
¶14717560
ISC VI 01 18 04 28.5–.83 13.16N–.04 120.44E–.08 27 3.6b 19 1-49
ISCJB VI 01 18 04 27.1–.67 13.13N–.04 120.36E–.07 27 3.6b,2.9s ¶13680122
MAN VI 01 18 04 29 13.16N 120.51E 48 4.5b,3.4L
IDC VI 01 18 04 30.4–4.8 13.23N 120.43E 46–53 3.5,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.1km az=170.6.
IDC Error ellipse: s-maj=64.5km s-min=16.1km az=70.0.
MAN VI 01 18 57 41 12.44N 121.43E 52 3.8b,2.6L
¶14717561
ISC VI 02 10 26 54.7–.74 13.01N–.04 120.54E–.06 27 3.9b 22 1-79
IDC VI 02 10 26 50.5–.86 12.98N 120.35E 0 3.9,3.9b ¶13680213
ISCJB VI 02 10 26 53.3–.57 12.98N–.05 120.38E–.06 27 3.9b,3.0s
MAN VI 02 10 26 55 12.99N 120.62E 48 4.7b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=22.0km s-min=13.1km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.6km az=146.7.
MAN VI 06 03 51 46 13.60N 121.02E 0 4.6b,3.5L
¶14717740
MAN VI 07 16 07 57 13.45N 120.13E 39 4.3b,3.1L
¶14717771
ISC VI 13 10 56 58.5–.84 13.57N–.04 120.76E–.07 116–7 3.9b 26 0-50
ISCJB VI 13 10 56 57.4–.46 13.54N–.04 120.71E–.08 123–5 3.9b ¶13681276
IDC VI 13 10 56 57.8–.63 13.58N 121.05E 117–8 3.7,3.5
MAN VI 13 10 56 58 13.55N 120.64E 93 4.6b,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=5.4km az=164.8.
IDC Error ellipse: s-maj=50.6km s-min=14.4km az=59.0.
MAN VI 15 05 33 09 13.47N 120.44E 43 3.7b,2.5L
¶14718003
MAN VI 18 11 39 47 13.54N 121.04E 13 4.4b,3.2L
¶14718089
MAN Event type fe.
ISC VI 19 02 30 12.9–.94 13.74N–.06 120.5E–.10 100 3.8b 14 1-49
IDC VI 19 02 30 11.9–3.0 13.60N 120.50E 102–33 3.6,3.5 ¶13681631
ISCJB VI 19 02 30 12.3–.73 13.76N–.06 120.32E–.10 100 3.8b,3.5
MAN VI 19 02 30 13 13.74N 120.50E 92 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=108.4km s-min=20.5km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=8.2km az=170.1.
ISC VI 29 16 29 12.7–.42 13.29N–.04 120.70E–.04 80–3 4.3b 147 1-122
ISCJB VI 29 16 29 12.0–.31 13.32N–.03 120.74E–.04 85–4 4.3b ¶13383598
MAN VI 29 16 29 11 13.34N 120.58E 59 5.2b,4.4s
BJI VI 29 16 29 11.1 13.19N 120.82E 90 4.8b,4.6b
NEIC VI 29 16 29 12.1–.37 13.33N 120.85E 77 4.5b,4.6b
IDC VI 29 16 29 15.1–4.0 13.41N 120.88E 107–37 3.9,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.0km az=165.4.
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=6.8km az=81.0. Felt at Calapan.
IDC Error ellipse: s-maj=18.8km s-min=10.6km az=71.0.
ISC VI 29 23 39 08.3–.79 12.80N–.04 120.14E–.06 31 3.6b 22 1-80
IDC VI 29 23 39 03.7–1.0 12.86N 120.30E 0 3.7,3.6 ¶13682282
ISCJB VI 29 23 39 07.2–.50 12.80N–.04 120.10E–.05 31 3.6b,3.1s
MAN VI 29 23 39 07 12.78N 120.09E 39 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=58.4km s-min=19.1km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.1km az=2.6.

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MAN I 11 00 57 39 12.70N 125.14E 34 4.9b,3.9s
¶14716466
IDC I 17 17 16 52.0–1.3 11.07N 125.96E 34–8 3.6,3.5
¶12081553
IDC Error ellipse: s-maj=56.2km s-min=17.6km az=61.0.
ISC I 19 04 34 39.9–.58 12.93N–.05 124.50E–.07 44 4.1b 44 1-92
IDC I 19 04 34 33.7–.71 12.94N 124.46E 0 4.1,4.0b ¶12081710
MAN I 19 04 34 35 12.97N 124.41E 1 4.9b,3.8s
ISCJB I 19 04 34 38.1–.41 12.98N–.04 124.51E–.05 44 4.0b,3.8s
NEIC I 19 04 34 41.2–1.8 12.94N 124.45E 56–16 4.1b,3.8s
ISC Event type fe.
IDC Error ellipse: s-maj=27.3km s-min=14.7km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.7km az=171.7.
NEIC Event type fe. Error ellipse: s-maj=16.5km s-min=7.5km az=67.0. Felt [II PIVS] at Legaspi, Luzon.
ISC I 31 08 12 43.5–.69 11.87N–.07 125.88E–.10 28 4.0b,3.0s 35 1-85
ISCJB I 31 08 12 41.6–.63 11.97N–.05 126.00E–.08 28 3.9b,3.2s ¶12082799
IDC I 31 08 12 44.0–.83 11.85N 125.86E 29–4 3.9,3.8
MAN I 31 08 12 45 11.94N 125.68E 20 4.7b,3.6s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=7.1km az=23.3.
IDC Error ellipse: s-maj=46.1km s-min=13.8km az=64.0.
ISC II 01 09 08 56.8–.64 12.10N–.07 125.6E–.10 36 4.0b 38 1-148
IDC II 01 09 08 50.9–.70 11.98N 125.59E 0 4.0,3.9b ¶12699322
ISCJB II 01 09 08 55.6–.64 12.19N–.06 125.7E–.10 36 3.9b,2.7s
NEIC II 01 09 08 56.3–.41 11.93N 125.53E 35 4.4b,2.7s
MAN II 01 09 08 57 12.14N 125.44E 23 4.0b,3.6s
ISC Event type fe.
IDC Error ellipse: s-maj=39.9km s-min=16.0km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=8.4km az=15.6.
NEIC Event type fe. Error ellipse: s-maj=22.9km s-min=9.1km az=70.0. Felt [III PIVS] at Can-Avid.
MAN Event type fe. INTENSITY III - CAN-AVID EASTERN SAMAR.
IDC II 02 15 44 42.0–2.6 11.69N 125.86E 0 4.0s,4.0
¶15954902
IDC Error ellipse: s-maj=235.7km s-min=19.9km az=65.0.
MAN II 04 04 09 53 12.94N 124.80E 12 4.5b,3.4L
¶14716559
MAN II 21 10 53 46 12.22N 125.14E 74 4.2b,3.0L
¶14716611
IDC II 23 02 57 38.0–1.6 12.78N 125.11E 0 3.9,3.8b
¶15957021
IDC Error ellipse: s-maj=186.2km s-min=18.0km az=68.0.
MAN II 28 01 10 33 11.39N 125.39E 8 4.2b,3.1L
¶14716641
ISC III 02 15 36 33.5–1.6 12.35N–.04 124.44E–.06 10–10 3.9b,3.7s 42 1-90
MAN III 02 15 36 34 12.35N 124.46E 5 4.8b,3.7s ¶12702276
IDC III 02 15 36 47.9–2.1 12.23N 124.49E 147–19 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=22.8km s-min=9.6km az=72.0.
IDC III 12 06 26 07.0–1.6 12.99N 125.77E 0 4.1,4.0b
¶12703050
IDC Error ellipse: s-maj=78.1km s-min=18.9km az=60.0.
IDC III 13 08 56 13.1–1.5 12.68N 124.04E 0 3.8s,3.8
¶12703150
IDC Error ellipse: s-maj=165.3km s-min=20.7km az=68.0.
MAN III 20 18 02 38 11.09N 125.77E 34 4.1b,3.0L
¶14716708
ISC III 25 22 12 52.7–1.5 12.77N–.05 125.23E–.08 57–14 4.4b 107 2-92
IDC III 25 22 12 45.2–.55 12.71N 125.12E 0 4.3,4.2b ¶12084569
MAN III 25 22 12 49 12.86N 125.28E 55 4.9b,4.0s
ISCJB III 25 22 12 51.6–.80 12.76N–.04 125.20E–.06 63–6 4.4b,4.0s
NEIC III 25 22 12 54.1–1.5 12.72N 125.17E 69–13 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=12.0km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.2km az=158.4.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.4km az=72.0.
MAN III 26 01 39 32 11.12N 125.68E 29 4.2b,3.0L
¶14716814
MAN III 27 22 14 43 11.40N 125.39E 46 4.2b,3.1L
¶14716821
MAN III 27 23 21 46 11.55N 125.38E 1 4.1b,2.9L
¶14716822
ISC III 28 23 02 38.3–1.4 12.31N–.05 125.56E–.09 44–11 4.5b,3.6s 93 1-148
MAN III 28 23 02 36 12.41N 125.56E 16 5.0b,4.0s ¶12612776
IDC III 28 23 02 37.0–2.6 12.23N 125.48E 32–18 4.6L,4.1
ISCJB III 28 23 02 37.8–1.0 12.32N–.05 125.54E–.08 55–8 4.3b,3.5s
NEIC III 28 23 02 38.6–1.5 12.25N 125.45E 46–13 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=10.6km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=6.9km az=156.5.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.7km az=68.0.
ISC III 28 23 12 52.8–1.2 12.29N–.09 125.6E–.20 33 3.8b 11 1-84
IDC III 28 23 12 48.1–1.2 12.20N 125.44E 0 3.9,3.8 ¶12635814
ISCJB III 28 23 12 50.6–.89 12.38N–.07 125.8E–.10 33 4.0b,3.7s
MAN III 28 23 12 51 12.45N 125.69E 34 4.6b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=60.4km s-min=18.3km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=21.4km s-min=9.1km az=13.7.
ISC III 29 05 14 50.1–2.1 12.43N–.04 125.53E–.07 3–13 4.2b,3.4s 50 1-148
IDC III 29 05 14 49.4–.78 12.31N 125.54E 0 4.3,4.2 ¶12612780
MAN III 29 05 14 53 12.42N 125.54E 16 4.9b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=17.1km az=70.0.
MAN III 29 17 01 23 12.81N 125.19E 33 4.4b,3.2L
¶14716831
ISC IV 01 17 27 53.5–.89 12.97N–.08 124.61E–.09 44 3.7b 16 0-59
IDC IV 01 17 27 47.8–1.1 12.95N 124.59E 0 4.4L,3.7 ¶12934222
MAN IV 01 17 27 50 12.96N 124.59E 11 4.9b,3.9s
ISCJB IV 01 17 27 51.5–.68 13.01N–.05 124.64E–.08 44 3.5b,3.9s
ISC Event type ke.
ISCJB Event type ke.
ISC IV 01 22 47 13.2–1.1 12.9N–.10 124.5E–.20 44 3.7b 7 2-51
IDC IV 01 22 47 07.7–1.6 13.25N 125.02E 0 3.7,3.6 ¶16152245
ISCJB IV 01 22 47 11.8–.95 12.99N–.08 124.5E–.20 44 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC IV 02 19 43 40.0–1.4 12.9N–.10 124.6E–.20 44 3.6b 7 2-52
IDC IV 02 19 43 33.1–2.6 13.22N 125.26E 0 3.5,3.4 ¶12934292
ISCJB IV 02 19 43 38.0–1.1 12.96N–.09 124.6E–.20 44 3.5b,3.4
MAN IV 02 19 43 39 12.95N 123.75E 64 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=243.2km s-min=21.7km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=25.6km s-min=10.4km az=161.4.
MAN IV 11 01 33 25 11.32N 125.51E 21 4.2b,3.0L
¶14717187
ISC IV 20 08 50 25.1–.76 11.58N–.09 125.69E–.10 53 3.7b 20 1-93
IDC IV 20 08 50 17.7–.73 11.66N 125.88E 0 4.0,3.9b ¶12935751
ISCJB IV 20 08 50 23.5–.64 11.62N–.08 125.81E–.08 53 3.9b,3.9b
MAN IV 20 08 50 27 11.75N 125.47E 55 4.7b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=55.1km s-min=17.3km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=13.9km s-min=7.8km az=140.8.
MAN Event type fe. INTENSITY II - BORONGAN CITY & CAN-AVID EASTERN SAMAR.
MAN IV 23 20 04 35 11.83N 125.28E 32 4.4b,3.3L
¶14717411
MAN IV 28 11 24 52 11.30N 125.07E 35 4.1b,2.9L
¶14717459
MAN IV 29 18 19 35 12.22N 125.06E 33 4.2b,3.1L
¶14717468
ISC V 06 17 19 29.5–1.1 12.73N–.04 124.97E–.06 43–11 4.0b,3.4s 83 0-93
IDC V 06 17 19 23.2–.55 12.61N 124.97E 0 4.1,4.1 ¶13678459
MAN V 06 17 19 27 12.79N 125.00E 21 4.9b,3.9s
NEIC V 06 17 19 28.6–.57 12.72N 125.25E 35 4.6b,3.9s
ISCJB V 06 17 19 29.0–.56 12.74N–.03 125.01E–.05 55–6 4.0b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 17 15 02 03.5–6.7 12.31N 125.09E 0 3.8,3.5
¶16155845
IDC Error ellipse: s-maj=203.5km s-min=29.5km az=47.0.
MAN V 17 17 54 47 11.66N 125.23E 46 4.2b,3.0L
¶14717528
ISC VI 06 12 09 04.2–1.1 12.76N–.09 126.0E–.10 40 3.8b 11 1-52
IDC VI 06 12 08 59.6–1.2 12.41N 124.88E 0 4.0,3.8 ¶13680670
ISCJB VI 06 12 09 02.5–.96 12.81N–.08 125.9E–.10 40 3.8b,3.8
MAN VI 06 12 09 18 10.93N 126.07E 16 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=65.5km s-min=16.7km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=18.6km s-min=10.7km az=174.5.
ISC VI 08 10 23 25.5–1.2 11.88N–.07 125.7E–.10 36 3.7b 14 0-85
IDC VI 08 10 23 20.3–2.4 11.82N 125.60E 0 3.7,3.6 ¶13680892
ISCJB VI 08 10 23 23.6–1.0 11.84N–.07 125.81E–.08 36 3.7b,3.6
MAN VI 08 10 23 26 11.89N 125.37E 1 4.8b,3.8s
ISC Event type fe.
IDC Error ellipse: s-maj=222.3km s-min=22.6km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=9.7km az=150.8.
MAN Event type fe.
MAN VI 11 08 09 18 12.03N 124.15E 14 4.6b,3.4s
¶14717902
ISC VI 12 07 10 04.7–.76 12.97N–.03 124.47E–.04 57–6 4.5b,3.4s 159 0-149
MAN VI 12 07 10 01 12.95N 124.45E 22 5.0b,4.0s ¶13046916
ISCJB VI 12 07 10 02.5–.42 12.99N–.02 124.43E–.03 51–4 4.5b,3.4s
IDC VI 12 07 10 03.7–3.1 12.91N 124.37E 49–29 4.2,4.1
NEIC VI 12 07 10 10.0–1.2 12.95N 124.34E 105–11 4.5b,4.1
BJI VI 12 07 10 11.5 12.95N 124.43E 137 4.8b,4.6b
DJA VI 12 07 10 19.2–1.0 13N–6.0 124E–8.0 206–10 6.3,5.3
ISC Event type fe.
MAN Event type fe. INTENSITY II - LIGNON HILL LEGASPI CITY; SORSOGON CITY.
ISCJB Event type fe.
NEIC Event type fe. Felt [II PIVS] at Legaspi and Sorsogon, Luzon.
MAN VI 13 14 30 15 11.40N 125.57E 25 4.3b,3.2L
¶14717971
MAN VI 16 04 02 56 11.11N 125.87E 1 4.4b,3.2L
¶14718026
MAN VI 26 15 53 44 11.07N 125.51E 14 4.5b,3.4L
¶14718301
ISC VI 28 06 58 10.5–1.3 12.83N–.04 124.10E–.05 28–10 4.1b,3.3s 35 1-93
MAN VI 28 06 58 09 12.81N 124.10E 6 5.2b,4.3s ¶13682183

ISCJB VI 28 06 58 10.1–1.0 12.87N–.05 124.17E–.05 33–8 4.0b,3.4s
IDC VI 28 06 58 17.4–2.4 12.78N 124.08E 95–23 3.8,3.8
ISC Event type fe.
MAN Event type fe. INTENSITY IV - SORSOGON CITY; INTENSITY III - LEGASPI CITY; INTENSITY II - SAN JACINTO TICAO IS MASBATE.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=7.5km az=41.9.
IDC Error ellipse: s-maj=21.3km s-min=12.1km az=73.0.

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MAN I 08 19 32 30 9.88N 121.96E 1 4.5b,3.3L ¶14716461
ISC III 22 19 59 11.9–.44 6.15N–.06 119.91E–.04 35 4.1b,3.6s 80 2-108
MAN III 22 19 59 04 5.84N 119.63E 85 5.4b,4.6s ¶15153354
IDC III 22 19 59 06.4–.69 6.15N 120.12E 0 4.0,3.9
ISCJB III 22 19 59 09.3–.24 6.15N–.03 119.95E–.03 33 3.8b,3.6s
BJI III 22 19 59 13.8 6.68N 120.26E 23 5.2b,4.2b
DJA III 22 19 59 16.5–.40 6N–5.0 120E–4.0 50 5.0b,4.4
AUST III 22 19 59 46.9–6.5 5.95N 121.08E 364–0 5.0b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=15.6km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=150.6.
AUST Error ellipse: s-maj=2.4km s-min=1.5km az=255.0.
MAN IV 08 05 52 27 9.98N 121.70E 26 4.0b,2.8L ¶14716877
ISC V 02 02 05 12.2–.85 9.92N–.05 121.69E–.06 25 3.8b 20 1-84
IDC V 02 02 05 06.6–1.9 10.61N 123.23E 0 3.8,3.7 ¶13678208
ISCJB V 02 02 05 10.8–.59 9.88N–.04 121.61E–.05 25 3.7b,3.7
MAN V 02 02 05 12 9.91N 121.70E 36 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=228.9km s-min=20.1km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.1km az=148.8.
ISC V 26 12 05 20.0–.78 9.15N–.05 121.93E–.06 37 3.7b,3.0s 21 1-96
IDC V 26 12 05 15.2–.97 9.04N 121.87E 0 3.9,3.7b ¶13679678
MAN V 26 12 05 17 9.17N 121.91E 31 5.0b,4.1s
ISCJB V 26 12 05 18.1–.53 9.15N–.04 121.94E–.05 37 3.6b,3.0s
ISC Event type ke.
ISCJB Event type ke.
ISC V 28 12 54 48.3–.93 9.22N–.06 121.93E–.08 10 3.8b 17 1-96
ISCJB V 28 12 54 47.0–.67 9.19N–.05 121.91E–.06 10 3.8s,3.7b ¶13679813
MAN V 28 12 54 47 9.22N 121.90E 14 5.0b,4.1s
IDC V 28 12 54 48.8–.89 8.71N 121.39E 0 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.7km az=2.6.
IDC Error ellipse: s-maj=42.8km s-min=19.0km az=64.0.
MAN V 28 12 59 01 9.24N 121.85E 33 4.4b,3.3L ¶14717552
MAN V 30 10 43 48 9.24N 121.59E 52 4.8b,3.7s ¶14717555
ISC VI 01 12 45 18.4–1.7 9.21N–.06 121.8E–.10 37 3.3b 11 2-50
ISCJB VI 01 12 45 18.0–1.4 9.17N–.06 122.0E–.10 37 3.3b ¶13680106
IDC VI 01 12 45 17.0–2.7 9.42N 123.46E 0 3.6,3.4
MAN VI 01 12 45 18 9.22N 121.94E 33 4.7b,3.6s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=7.8km az=13.2.
IDC Error ellipse: s-maj=265.9km s-min=28.1km az=63.0.
ISC VI 03 07 10 11.3–.89 9.31N–.06 121.81E–.06 37 3.9b,3.2s 21 1-122
IDC VI 03 07 10 06.8–1.2 9.04N 121.63E 0 3.9,3.7b ¶13680339
ISCJB VI 03 07 10 09.2–.61 9.28N–.05 121.79E–.05 37 3.9b,3.2s
MAN VI 03 07 10 09 9.37N 121.83E 27 5.0b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=131.4km s-min=23.7km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.4km az=43.5.
MAN VI 03 07 39 32 9.22N 121.92E 55 4.3b,3.2L ¶14717633
MAN VI 04 16 46 40 9.17N 121.95E 34 4.6b,3.5L ¶14717673
MAN VI 06 21 44 53 9.14N 121.91E 13 4.4b,3.2L ¶14717743
MAN VI 08 16 37 22 9.13N 121.91E 32 4.5b,3.3L ¶14717786
MAN VI 12 12 59 31 9.66N 121.90E 33 4.6b,3.5L ¶14717935

(254) Panay.

MAN I 02 19 48 57 11.39N 121.80E 24 4.5b,3.3L ¶14716448
MAN I 16 15 51 33 11.49N 122.27E 32 4.5b,3.4L ¶14716480
MAN Event type fe. INTENSITY I - LEZO AKLAN.
MAN I 17 04 40 46 11.55N 122.16E 9 4.4b,3.3L ¶14716481
ISC I 21 12 12 35.5–1.0 11.3N–.10 122.2E–.10 28 3.5b 9 2-94
IDC I 21 12 12 31.6–1.2 11.46N 122.93E 0 3.9,3.7 ¶12081966
ISCJB I 21 12 12 33.8–.98 11.2N–.10 122.20E–.09 28 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
MAN II 06 21 52 51 11.32N 122.53E 68 4.1b,2.9L ¶14716567
MAN III 27 10 04 05 10.15N 122.02E 2 4.6b,3.4s ¶14716817
ISC III 27 16 04 06.5–1.0 10.14N–.05 122.00E–.05 10 3.4b 18 1-50
MAN III 27 16 04 05 10.15N 122.02E 2 4.8b,3.7L ¶12635705
ISCJB III 27 16 04 06.3–.65 10.10N–.05 122.01E–.04 10 3.4b,3.7L
IDC III 27 16 04 08.1–1.2 9.57N 122.17E 0 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.2km az=20.4.
IDC Error ellipse: s-maj=147.7km s-min=20.6km az=67.0.
MAN III 27 16 48 25 10.17N 121.99E 3 4.3b,3.2L ¶14716819
MAN III 27 16 50 29 10.15N 121.98E 0 4.3b,3.2L ¶14716820
MAN IV 02 13 09 56 10.96N 122.60E 68 3.9b,2.7L ¶14716843
MAN IV 12 11 52 58 11.83N 121.66E 43 4.0b,2.8L ¶14717195
MAN IV 12 13 55 49 11.66N 121.74E 1 4.3b,3.2L ¶14717196
MAN IV 25 00 00 14 11.14N 122.49E 70 3.8b,2.5L ¶14717427
MAN V 09 13 12 29 10.96N 122.48E 23 3.5b,2.2L ¶14717507
MAN V 14 14 51 53 10.30N 121.94E 1 4.3b,3.2L ¶14717520
MAN V 16 11 40 12 10.59N 122.38E 31 4.6b,3.5L ¶14717523
MAN Event type fe. INTENSITY I - ILOILO CITY.
MAN V 19 09 49 14 11.35N 122.21E 16 4.5b,3.3L ¶14717530
MAN VI 14 05 17 40 10.83N 122.06E 8 4.7b,3.5s ¶14717987
MAN Event type fe. INTENSITY III - SAN REMIGIO ANTIQUE;INTENSITY II - SIBALOM ANTIQUE.
MAN VI 16 23 49 53 10.14N 121.46E 19 4.6b,3.5s ¶14718029
MAN VI 17 01 17 39 10.83N 122.07E 2 4.7b,3.6L ¶14718044

(255) Cebu.

MAN II 18 11 33 04 10.47N 123.32E 1 4.0b,2.8L ¶14716597
MAN II 19 15 09 57 10.05N 123.65E 10 4.0b,2.8L ¶14716601
MAN II 25 21 21 08 10.46N 123.33E 3 4.0b,2.8L ¶14716626
ISC III 29 15 29 04.0–1.4 11.8N–.30 123.8E–.20 35 3.3b 5 1-49
IDC III 29 15 29 00.8–2.9 11.13N 122.52E 0 3.4,3.2b ¶12635871
ISCJB III 29 15 29 02.0–1.4 11.7N–.20 123.7E–.10 33 3.3b,3.2b
MAN III 29 15 29 04 12.44N 124.96E 28 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=288.6km s-min=28.5km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=35.7km s-min=13.5km az=25.5.
MAN VI 10 13 09 12 11.25N 123.79E 118 4.2b,3.0L ¶14717865

(256) Leyte.

IDC I 16 02 43 38.0–3.2 11.89N 124.63E 0 4.0,3.8b ¶12081403
IDC Error ellipse: s-maj=286.4km s-min=26.1km az=64.0.
MAN I 29 18 03 49 11.64N 124.36E 0 4.4b,3.3L ¶14716522
ISC I 29 22 26 49.0–.59 10.87N–.03 124.94E–.06 10 4.1b 36 0-66
ISCJB I 29 22 26 48.8–.48 11.06N–.04 124.84E–.06 10 4.1b ¶12082696
IDC I 29 22 26 48.2–.90 10.89N 124.87E 0 4.1,4.0
NEIC I 29 22 26 49.3–.46 10.91N 124.92E 10 4.5b,4.0
MAN I 29 22 26 49 10.97N 124.77E 3 4.8b,3.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.1km az=177.9.
IDC Error ellipse: s-maj=45.2km s-min=16.1km az=69.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.1km az=56.0.
ISC I 29 22 43 45.4–.26 11.00N–.03 124.78E–.04 10 5.2b,5.0s 335 0-166
ISCJB I 29 22 43 43.7–.19 10.96N–.02 124.98E–.03 10 5.1b,4.9s ¶11656313
IDC I 29 22 43 44.6–.39 11.00N 124.97E 0 4.9,4.9s
MAN I 29 22 43 45 10.96N 124.75E 4 5.7b,5.1s
NEIC I 29 22 43 45.1–.23 10.97N 124.96E 8 5.4W,5.4W
MOS I 29 22 43 47.0–1.3 10.95N 124.92E 33 5.5b,4.9s
BJI I 29 22 43 47.8 10.79N 125.06E 57 5.3s,5.3b
DJA I 29 22 43 53 10.97N 125.10E 67 5.1W,5.3b
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.1km az=174.2.
IDC Error ellipse: s-maj=16.4km s-min=9.4km az=74.0.
MAN Event type fe. INTENSITY VI - ALBUERA PASTRANA BURAUEN LEYTE; INTENSITY V - PALO LEYTE; ORMOC CITY; INTENSITY IV - LA PAZ.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=5.2km az=82.0. Felt [VI PIVS] at Albuera and Pastrana; [V PIVS] at Ormoc and Palo; [IV PIVS] at Abuyog, Dulag and La Paz; [III PIVS] at Mahaplag. Also felt at Baybay and Tanauan. Felt [II PIVS] at Cebu City, Cebu. Also felt at Compostela, Mandaue City, Minglanilla and Talisay. Felt [II PIVS] at Borongan and Catarman, Samar and [I PIVS] at Iloilo, Panay. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}0.53 $M_{\theta\theta}$0.93 $M_{\phi\phi}$-1.46 $M_{r\theta}$0.03 $M_{\theta\phi}$0.42 $M_{\theta r}$0.40 Best double couple: NP1:ϕ_s125.00000°,δ74.00000°,λ1.00000°. NP2:ϕ_s34.00000°,δ89.00000°,λ164.00000°. Principal axes: T 1.0200,Plg12.0000°,Azm348.0000°; N 0.5800,Plg73.0000°,Azm210.0000°; P -1.6000,Plg10.0000°,Azm80.0000° $M_0$1.40000×10^{17}
MOS Error ellipse: s-maj=11.7km s-min=5.6km az=111.7.
ISC I 29 22 49 58.8–1.3 10.98N–.08 124.9E–.10 14–10 4.1b 17 0-60
ISCJB I 29 22 49 57.8–.82 10.99N–.06 124.9E–.10 22–7 4.0b ¶12082698
IDC I 29 22 49 57.0–2.2 10.44N 123.68E 0 4.0,3.9b
MAN I 29 22 49 57 10.87N 124.65E 1 5.0b,4.0s
NEIC I 29 22 49 59.9–1.0 11.02N 124.89E 10 4.2b,4.0s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.9km s-min=9.3km az=9.6.
IDC Error ellipse: s-maj=271.4km s-min=18.3km az=64.0.
MAN Event type fe. INTENSITY IV - ALBUERA LEYTE.
NEIC Event type fe. Error ellipse: s-maj=25.6km s-min=10.0km az=100.0. Felt [IV PIVS] at Albuera.
MAN I 29 23 08 01 11.04N 124.82E 11 4.4b,3.2L ¶14716523
MAN Event type fe. INTENSITY IV - ALBUERA LEYTE.
MAN I 29 23 12 45 11.10N 124.76E 24 4.4b,3.3L
NEIC I 29 23 12 59.7–1.3 11.12N 124.37E 10 4.1b,3.3L ¶13989267
MAN Event type fe. INTENSITY IV - ALBUERA LEYTE.
NEIC Event type fe. Error ellipse: s-maj=26.8km s-min=11.0km az=106.0. Felt [IV PIVS] at Albuera.
MAN I 29 23 41 20 10.91N 124.82E 1 4.3b,3.1L ¶14716525
MAN Event type fe. INTENSITY III - ALBUERA LEYTE.
MAN I 30 00 31 52 10.96N 124.81E 36 3.5b,2.2L ¶14716526
MAN I 30 00 39 14 11.12N 124.71E 32 3.8b,2.6L ¶14716527
ISC I 30 01 24 36.0–.94 11.02N–.04 124.78E–.04 11–6 4.3b 44 0-94
IDC I 30 01 24 34.1–.97 11.09N 124.96E 0 4.1,4.0 ¶12082704
ISCJB I 30 01 24 35.9–.48 11.05N–.03 124.80E–.04 19–4 4.2b,3.4s
MAN I 30 01 24 35 10.94N 124.79E 1 4.9b,3.9s
NEIC I 30 01 24 35.8–.34 11.09N 124.96E 10 4.6b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=50.8km s-min=18.6km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=10.3.
MAN Event type fe. INTENSITY IV - ALBUERA LEYTE.
NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=7.5km az=68.0. Felt [IV PIVS] at Albuera.
MAN I 30 01 44 59 11.07N 124.77E 19 4.5b,3.4L ¶14716528
MAN Event type fe. INTENSITY III - ALBUERA LEYTE.
MAN I 30 03 32 44 11.13N 124.74E 34 3.6b,2.3L ¶14716529
MAN I 30 03 44 20 10.93N 124.80E 4 4.5b,3.4L ¶14716530
MAN Event type fe. INTENSITY III - ALBUERA LEYTE.
MAN I 30 06 07 13 11.08N 124.96E 8 4.1b,2.9L ¶14716531
MAN Event type fe. INTENSITY III - ALBUERA LEYTE.
MAN I 30 06 29 32 10.93N 124.80E 36 3.5b,2.2L ¶14716535
MAN I 30 10 25 37 10.93N 124.77E 1 4.1b,2.9s ¶14716536
MAN Event type fe. INTENSITY II - ALBUERA LEYTE.
MAN I 30 12 09 38 10.94N 124.79E 1 4.3b,3.1L ¶14716537
MAN Event type fe. INTENSITY II - ALBUERA LEYTE.
MAN I 30 12 51 23 11.14N 124.71E 23 3.6b,2.3L ¶14716538
ISC I 30 13 17 53.8–1.1 10.97N–.04 124.78E–.05 8–7 4.0b,3.1s 33 0-95
IDC I 30 13 17 52.0–1.1 10.98N 124.96E 0 3.9,3.8 ¶12082739
MAN I 30 13 17 52 11.01N 124.83E 3 4.9b,3.9s
ISCJB I 30 13 17 53.4–.52 11.04N–.04 124.78E–.05 20–4 3.9b,3.2s
NEIC I 30 13 17 53.6–.64 11.06N 124.99E 10 4.3b,3.2s
ISC Event type fe.
IDC Error ellipse: s-maj=68.1km s-min=16.1km az=65.0.
MAN Event type fe. INTENSITY IV - ALBUERA LEYTE; INTENSITY III -ORMOC CITY.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=6.3km az=176.4.
NEIC Event type fe. Error ellipse: s-maj=39.8km s-min=8.6km az=64.0. Felt [IV PIVS] at Albuera and [III PIVS] at Ormoc.
MAN I 30 13 46 52 11.11N 124.72E 23 4.2b,3.0L ¶14716539
MAN Event type fe. INTENSITY II - ORMOC CITY.
MAN I 30 13 58 09 11.10N 124.72E 33 4.0b,2.7L ¶14716540
MAN I 30 15 19 13 11.13N 124.72E 32 3.9b,2.6L ¶14716541
ISC I 30 17 07 51.9–1.4 11.01N–.05 124.74E–.04 0–10 3.8b,3.2s 24 0-91
ISCJB I 30 17 07 51.6–.64 11.03N–.05 124.73E–.04 9–4 3.8b,3.4s ¶12082751
MAN I 30 17 07 51 10.99N 124.73E 1 5.1b,4.2s
IDC I 30 17 07 52.8–.93 10.82N 124.23E 0 3.8,3.6
NEIC I 30 17 07 54.2–.52 10.80N 124.18E 10 4.2b,3.6

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=6.9km az=165.0.
MAN Event type fe. INTENSITY IV - ORMOC CITY.
IDC Error ellipse: s-maj=73.0km s-min=17.9km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=44.7km s-min=10.1km az=68.0. Felt [IV PIVS] at Albuera and Ormoc; [III PIVS] at Tacloban.

MAN	**I**	**30 17 41 54**	**11.10N**	**124.69E**	**12**	**4.0b,2.8L**	**¶14716542**
MAN	**I**	**30 17 56 24**	**11.14N**	**124.72E**	**27**	**3.9b,2.6L**	**¶14716543**
MAN	**I**	**30 18 17 53**	**10.91N**	**124.82E**	**1**	**5.0b,4.0s**	**¶14716544**
MAN	**I**	**31 08 10 44**	**11.08N**	**124.78E**	**33**	**4.1b,2.9L**	**¶14716545**
MAN	**II**	**01 03 41 02**	**10.99N**	**124.72E**	**2**	**4.4b,3.3L**	**¶14716546**
ISC	**II**	**01 20 33 46.4–1.5**	**10.98N–.03**	**124.78E–.04**	**2–10**	**4.3b,3.6s**	**82 0-94**
IDC	II	01 20 33 45.7–.73	10.92N	124.91E	0	4.2,4.1	**¶11677777**
MAN	II	01 20 33 46	10.96N	124.76E	2	5.2b,4.4s	
ISCJB	II	01 20 33 48.0–.62	11.00N–.03	124.80E–.04	20–5	4.3b,3.6s	
NEIC	II	01 20 33 47.1–.40	10.88N	124.89E	10	4.9b,3.6s	
BJI	II	01 20 33 50.5	10.46N	125.11E	86	4.9b,4.4s	

ISC Event type fe.
IDC Error ellipse: s-maj=27.2km s-min=15.5km az=72.0.
MAN Event type fe. INTENSITY III - ALBUERA LEYTE.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=5.8km az=10.6.
NEIC Event type fe. Error ellipse: s-maj=12.1km s-min=7.9km az=53.0. Felt [III PIVS] at Albuera and [I PIVS] at La Paz.

ISC	**II**	**01 21 05 19.2–.83**	**11.01N–.05**	**124.76E–.06**	**17**	**3.7s,3.4b**	**16 0-91**
IDC	II	01 21 05 15.2–2.0	11.66N	126.64E	0	4.7L,3.7	**¶12699362**
MAN	II	01 21 05 17	11.11N	124.74E	10	4.7b,3.6s	
ISCJB	II	01 21 05 18.2–.63	11.07N–.05	124.74E–.05	17	3.6s,3.5b	

ISC Event type fe.
MAN Event type fe. INTENSITY II - ALBUERA LEYTE; INTENSITY I -LA PAZ LEYET.
ISCJB Event type fe.

MAN	**II**	**01 21 22 28**	**10.93N**	**124.77E**	**1**	**4.6b,3.5s**	**¶14716547**
MAN	**II**	**02 02 43 35**	**11.03N**	**124.75E**	**34**	**3.8b,2.6L**	**¶14716548**
MAN	**II**	**02 04 08 33**	**11.05N**	**124.70E**	**29**	**4.0b,2.8L**	**¶14716549**
MAN	**II**	**03 05 20 05**	**11.16N**	**124.68E**	**29**	**4.1b,2.9L**	**¶14716552**
ISC	**II**	**03 20 30 51.2–2.6**	**10.93N–.09**	**124.8E–.20**	**1–15**	**3.3b**	**9 0-55**
MAN	II	03 20 30 50	10.92N	124.78E	1	4.7b,3.5s	**¶12699493**
IDC	II	03 20 30 51.4–1.9	10.62N	124.21E	0	3.4,3.3	

ISC Event type ke.
IDC Error ellipse: s-maj=186.3km s-min=26.5km az=69.0.

MAN	**II**	**04 09 43 24**	**11.04N**	**124.84E**	**31**	**3.8b,2.5L**	**¶14716560**
MAN	**II**	**15 15 39 32**	**10.34N**	**125.93E**	**27**	**4.9b,3.9s**	**¶14716589**
MAN	**II**	**16 08 09 20**	**11.11N**	**124.70E**	**1**	**4.2b,3.0L**	**¶14716591**
MAN	**II**	**20 18 41 47**	**11.22N**	**124.62E**	**18**	**4.6b,3.5L**	**¶14716603**
MAN	**II**	**20 19 28 15**	**11.26N**	**124.63E**	**1**	**4.1b,2.9L**	**¶14716604**
MAN	**II**	**20 19 40 06**	**11.17N**	**124.66E**	**6**	**4.5b,3.4L**	**¶14716605**
MAN	**II**	**20 19 47 27**	**11.11N**	**124.68E**	**8**	**4.4b,3.3L**	**¶14716606**
MAN	**II**	**20 19 51 38**	**11.10N**	**124.66E**	**9**	**4.5b,3.4L**	**¶14716607**
MAN	**II**	**20 20 29 28**	**11.16N**	**124.63E**	**9**	**4.5b,3.4L**	**¶14716608**
MAN	**II**	**20 22 29 16**	**11.16N**	**124.65E**	**9**	**4.0b,2.7L**	**¶14716609**
MAN	**II**	**21 00 07 02**	**11.20N**	**124.63E**	**6**	**4.0b,2.7L**	**¶14716610**
ISC	**II**	**21 00 47 33.0–1.3**	**10.99N–.04**	**124.76E–.06**	**3–10**	**3.5b**	**15 0-60**
IDC	II	21 00 47 31.7–1.6	11.21N	125.44E	0	3.8s,3.8	**¶12701384**
MAN	II	21 00 47 32	11.07N	124.76E	1	4.0b,2.8L	
ISCJB	II	21 00 47 33.0–.62	11.04N–.05	124.74E–.04	12–4	3.8s,3.5b	

ISC Event type ke.
ISCJB Event type ke.

ISC	**II**	**21 15 02 02.8–1.3**	**10.50N–.08**	**125.9E–.10**	**44**	**3.8b**	**12 1-85**
IDC	II	21 15 01 53.4–.82	10.37N	126.35E	0	4.0,3.9b	**¶12701439**
MAN	II	21 15 02 05	10.41N	125.72E	57	5.0b,4.1s	

ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=16.6km az=69.0.

MAN	**II**	**22 16 48 59**	**11.12N**	**124.69E**	**21**		**¶14716614**
MAN	**II**	**28 03 43 33**	**11.70N**	**124.45E**	**38**	**4.1b,2.9L**	**¶14716642**
MAN	**III**	**04 18 04 16**	**10.28N**	**125.91E**	**24**	**4.3b,3.2L**	**¶14716657**
MAN	**III**	**06 05 40 28**	**10.89N**	**125.45E**	**60**	**4.3b,3.2L**	**¶14716660**
MAN	**III**	**12 02 37 56**	**11.05N**	**124.72E**	**1**	**4.2b,3.0L**	**¶14716684**

MAN Event type fe. INTENSITY II - TONGONAN LEYTE.

MAN	**III**	**22 22 26 07**	**10.82N**	**124.76E**	**133**	**3.9b,2.6L**	**¶14716795**
MAN	**III**	**23 12 39 46**	**11.07N**	**124.83E**	**5**	**4.2b,3.0L**	**¶14716801**
MAN	**III**	**23 15 19 38**	**11.02N**	**124.87E**	**5**	**4.8b,3.8s**	**¶14716802**
ISC	**III**	**23 16 36 02.9–1.0**	**10.97N–.03**	**124.94E–.04**	**10–7**	**3.9b,3.5s**	**53 0-94**
IDC	III	23 16 36 01.4–.89	10.95N	125.11E	0	3.9,3.8	**¶12635400**
ISCJB	III	23 16 36 03.6–.51	11.05N–.03	124.93E–.04	19–4	3.9b,3.4s	
MAN	III	23 16 36 03	11.05N	124.82E	3	4.4b,3.3L	
NEIC	III	23 16 36 06.8–.46	10.99N	125.05E	35	4.2b,3.3L	

ISC Event type fe.
IDC Error ellipse: s-maj=46.7km s-min=15.5km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=5.1km az=3.7.
MAN Event type fe. INTENSITY II - TACLOBAN CITY.
NEIC Event type fe. Error ellipse: s-maj=27.2km s-min=7.8km az=67.0. Felt [II PIVS] at Tacloban.

MAN	**III**	**23 16 42 49**	**11.20N**	**124.79E**	**17**	**4.4b,3.2L**	**¶14716804**
MAN	**III**	**23 16 54 35**	**11.28N**	**124.79E**	**20**	**4.0b,2.8L**	**¶14716805**
MAN	**III**	**23 17 21 39**	**11.19N**	**124.81E**	**16**	**3.9b,2.6L**	**¶14716806**
MAN	**III**	**24 19 06 11**	**10.31N**	**125.03E**	**18**	**4.3b,3.1L**	**¶14716809**
MAN	**III**	**24 20 14 48**	**10.06N**	**125.61E**	**81**	**4.1b,2.9L**	**¶14716810**
ISC	**III**	**25 15 48 43.8–1.2**	**10.3N–.20**	**125.7E–.30**	**200**	**3.0b**	**8 1-52**
MAN	III	25 15 48 46	10.29N	125.16E	196	4.4b,3.3L	**¶12635571**
IDC	III	25 15 48 46.7–13	10.08N	125.00E	229–120	2.9,2.8	

ISC Event type ke.
IDC Error ellipse: s-maj=234.4km s-min=18.5km az=63.0.

MAN	**III**	**27 08 39 46**	**11.07N**	**124.83E**	**5**	**4.2b,3.0L**	**¶14716816**
MAN	**IV**	**01 17 40 11**	**10.23N**	**125.15E**	**33**	**3.9b,2.7L**	**¶14716840**
MAN	**IV**	**03 21 48 29**	**10.39N**	**125.13E**	**4**	**3.9b,2.7L**	**¶14716851**
MAN	**IV**	**11 15 29 05**	**10.57N**	**124.62E**	**9**	**3.8b,2.5L**	**¶14717188**
MAN	**IV**	**12 00 10 29**	**11.64N**	**124.57E**	**6**	**3.9b,2.7L**	**¶14717194**
MAN	**IV**	**13 11 14 13**	**11.14N**	**124.66E**	**4**	**4.7b,3.6L**	**¶14717253**
MAN	**IV**	**17 13 45 48**	**10.05N**	**125.00E**	**12**	**4.4b,3.2L**	**¶14717384**

MAN Event type fe. INTENSITY III - LIMASAWA ISLAND SOUTHERN LEYTE.

ISC	**IV**	**17 20 11 27.3–1.2**	**10.29N–.05**	**125.90E–.09**	**51**	**3.6b**	**19 1-52**
IDC	IV	17 20 11 20.7–3.3	10.11N	125.74E	0	3.5,3.4	**¶12935406**
ISCJB	IV	17 20 11 26.3–.85	10.29N–.04	125.94E–.07	51	4.3b,3.4	
MAN	IV	17 20 11 27	10.27N	125.80E	23	4.9b,3.9s	

ISC Event type fe.
IDC Error ellipse: s-maj=269.7km s-min=27.4km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=6.3km az=170.6.
MAN Event type fe. INTENSITY II - LIBJO DINAGAT PROVINCE.

MAN	**IV**	**27 20 03 55**	**11.22N**	**124.61E**	**9**	**4.7b,3.6s**	**¶14717448**
MAN	**IV**	**30 20 27 00**	**10.10N**	**125.70E**	**112**	**4.6b,3.5s**	**¶14717475**
MAN	**V**	**17 12 46 29**	**11.26N**	**124.53E**	**5**	**4.5b,3.4L**	**¶14717527**
MAN	**V**	**18 20 28 54**	**10.21N**	**125.21E**	**29**	**4.3b,3.1L**	**¶14717529**
MAN	**V**	**20 14 07 03**	**11.23N**	**124.32E**	**1**	**4.2b,3.1L**	**¶14717534**
MAN	**V**	**21 14 19 23**	**10.21N**	**124.89E**	**19**	**4.4b,3.2L**	**¶14717538**
MAN	**V**	**28 01 57 16**	**10.97N**	**124.65E**	**32**	**4.0b,2.8L**	**¶14717551**
ISC	**VI**	**02 14 46 07.2–1.2**	**10.92N–.03**	**124.85E–.04**	**18–6**	**3.7b**	**26 0-55**
IDC	VI	02 14 46 03.4–2.7	11.22N	125.63E	0	3.7,3.5b	**¶13680230**
MAN	VI	02 14 46 06	10.92N	124.85E	4	4.9b,3.8s	
ISCJB	VI	02 14 46 07.4–.58	10.93N–.04	124.89E–.05	28–6	3.5b,3.8s	

ISC Event type ke.
ISCJB Event type ke.

MAN	**VI**	**02 15 09 17**	**10.89N**	**124.90E**	**0**	**4.2b,3.0L**	**¶14717592**
MAN	**VI**	**02 15 25 42**	**10.69N**	**124.90E**	**4**	**4.3b,3.1L**	**¶14717593**
MAN	**VI**	**02 23 42 10**	**11.02N**	**124.71E**	**35**	**4.0b,2.8L**	**¶14717594**
MAN	**VI**	**05 06 05 14**	**11.22N**	**124.52E**	**31**	**4.2b,3.0L**	**¶14717700**
MAN	**VI**	**09 03 37 47**	**10.32N**	**124.92E**	**4**	**4.1b,2.9L**	**¶14717823**
MAN	**VI**	**09 18 53 57**	**10.39N**	**125.11E**	**4**	**4.2b,3.0L**	**¶14717826**
MAN	**VI**	**12 21 19 08**	**11.93N**	**124.94E**	**68**	**4.3b,3.1L**	**¶14717936**
MAN	**VI**	**13 02 11 20**	**10.86N**	**124.59E**	**1**	**4.0b,2.8L**	**¶14717970**
MAN	**VI**	**14 07 00 15**	**10.59N**	**124.77E**	**38**	**4.4b,3.3L**	**¶14717989**
MAN	**VI**	**14 22 48 08**	**10.54N**	**124.54E**	**5**	**4.6b,3.5L**	**¶14717990**
MAN	**VI**	**16 12 58 03**	**10.28N**	**125.08E**	**53**	**4.0b,2.8L**	**¶14718027**
MAN	**VI**	**22 18 59 35**	**10.29N**	**125.19E**	**7**	**4.7b,3.5s**	**¶14718200**
MAN	**VI**	**28 08 12 22**	**10.11N**	**124.85E**	**5**	**4.5b,3.3L**	**¶14718359**
MAN	**VI**	**28 13 34 34**	**10.33N**	**125.09E**	**6**	**4.7b,3.6s**	**¶14718360**
MAN	**VI**	**29 15 33 41**	**10.39N**	**125.14E**	**0**	**4.2b,3.0L**	**¶14718373**
MAN	**VI**	**29 19 50 41**	**10.43N**	**125.60E**	**64**	**4.2b,3.0L**	**¶14718374**

(257) Negros.

MAN	**I**	**07 00 12 30**	**9.29N**	**123.23E**	**10**	**4.2b,3.0L**	**¶14716457**

MAN Event type fe. INTENSITY III - SIBULAN & VALENCIA NEGROS ORIENTAL; INTENSITY II - BACONG SAN JOSE N. ORIENTAL.

MAN	**II**	**15 00 38 15**	**9.85N**	**123.53E**	**8**	**4.0b,2.8L**	**¶14716584**
MAN	**II**	**16 21 47 31**	**9.90N**	**123.50E**	**6**	**3.9b,2.7L**	**¶14716593**
MAN	**II**	**23 11 19 00**	**9.33N**	**123.34E**	**65**	**4.1b,2.9L**	**¶14716618**
MAN	**II**	**26 18 35 40**	**9.35N**	**122.53E**	**17**	**4.1b,2.9L**	**¶14716633**
MAN	**III**	**06 15 36 21**	**9.04N**	**122.65E**	**31**	**4.6b,3.5L**	**¶14716662**
MAN	**III**	**12 08 43 38**	**9.10N**	**122.49E**	**29**	**3.8b,2.5L**	**¶14716685**
MAN	**III**	**14 22 09 12**	**9.33N**	**122.60E**	**36**	**4.3b,3.1L**	**¶14716694**
MAN	**III**	**29 14 11 25**	**9.52N**	**122.39E**	**31**	**4.6b,3.5s**	**¶14716829**
MAN	**IV**	**01 16 33 54**	**9.04N**	**122.49E**	**25**	**4.6b,3.5s**	**¶14716839**
ISC	**IV**	**04 19 11 03.3–.36**	**9.44N–.03**	**122.20E–.04**	**41–2**	**4.4b,3.8s**	**215 2-147**
BJI	IV	04 19 11 01.9	9.35N	122.24E	49	4.8b,4.5b	**¶15153556**
MAN	IV	04 19 11 02	9.47N	122.08E	33	5.3b,4.6s	
NEIC	IV	04 19 11 02.3–.26	9.46N	122.24E	35	4.5b,4.6s	
ISCJB	IV	04 19 11 02.8–.46	9.47N–.02	122.22E–.03	48–5	4.3b,3.7s	
IDC	IV	04 19 11 03.1–.63	9.53N	122.25E	38–5	4.6L,4.1	
AUST	IV	04 19 11 19.9	7.00N	121.49E	60	4.6L,4.1	
DJA	IV	04 19 11 54.2–2.5	8N–9.0	120E–21	336–19	4.7b,4.2b	

ISC Event type fe.
MAN Event type fe. INTENSITY II - CAUAYAN NEGROS OCCIDENTAL.
NEIC Event type fe. Felt [II PIVS] at Cauayan.
ISCJB Event type fe.

MAN	**IV**	**09 12 03 07**	**9.82N**	**122.22E**	**18**	**4.4b,3.3L**	**¶14716881**
MAN	**IV**	**09 12 05 28**	**9.85N**	**122.26E**	**28**	**4.1b,2.9L**	**¶14716882**
MAN	**IV**	**23 23 18 05**	**9.24N**	**123.27E**	**22**	**4.5b,3.3L**	**¶14717412**

MAN Event type fe. INTENSITY II - VALENCIA NEGROS ORIENTAL.

MAN	**V**	**16 17 31 29**	**9.06N**	**122.64E**	**27**	**4.6b,3.5L**	**¶14717524**
MAN	**V**	**19 18 36 17**	**9.57N**	**122.60E**	**23**	**4.5b,3.3L**	**¶14717532**
ISC	**V**	**26 12 30 30.0–1.3**	**9.43N–.08**	**122.34E–.10**	**29**	**3.4b**	**8 1-50**
IDC	V	26 12 30 26.0–2.0	9.39N	122.30E	0	3.6,3.4	**¶16156183**

ISC Event type ke.
IDC Error ellipse: s-maj=102.1km s-min=22.6km az=54.0.

MAN	**V**	**28 18 59 51**	**9.15N**	**123.59E**	**13**	**5.5b,4.5L**	**¶14717553**

MAN Event type fe. INTENSITY IV - SIQUIJOR SIQUIJOR; LARENA SIQUIJOR; SAN JUAN SIQUIJOR.

ISC	**V**	**29 01 15 01.5–.34**	**9.11N–.03**	**122.05E–.04**	**37**	**4.5b,4.4s**	**167 1-147**
IDC	V	29 01 14 56.2–.55	9.14N	122.06E	0	4.4s,4.4	**¶13077410**
MAN	V	29 01 14 58	9.19N	121.90E	32	5.5b,4.8s	
ISCJB	V	29 01 15 00.1–.23	9.12N–.03	122.03E–.03	37	4.4b,4.4s	
NEIC	V	29 01 15 02.0–.80	9.17N	121.99E	37–7	4.6b,4.4s	
DJA	V	29 01 15 05.9–4.0	9N–7.0	121E–5.0	12–29	6.5b,6.3	

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

MAN VI 06 01 14 35 9.14N 122.04E 83 4.8b,3.8s
¶14717738
MAN VI 07 03 36 22 9.21N 122.13E 23 5.2b,4.4s
¶14717770
MAN VI 08 14 00 44 9.83N 122.32E 1 4.5b,3.4L
¶14717785
MAN VI 27 14 08 54 9.01N 122.37E 25 4.2b,3.1L
¶14718339
MAN VI 27 14 12 46 9.00N 122.46E 29 4.6b,3.5L
¶14718340
MAN VI 30 01 04 19 9.64N 122.93E 52 4.3b,3.1L
¶14718406
MAN Event type fe. INTENSITY II - TANJAY NEGROS ORIENTAL; BAIS CITY NEGROS ORIENTAL.

(258) Sulu Archipelago.

ISC I 07 14 03 02.8–.90 5.64N–.07 119.15E–.06 35 3.4b 20 1-56
IDC I 07 14 02 57.6–1.1 5.81N 119.62E 0 3.6,3.5 ¶12080645
ISCJB I 07 14 03 00.8–.58 5.67N–.06 119.21E–.06 33 3.4b,3.5
MAN I 07 14 03 01 5.80N 119.21E 203 3.4b,3.5
DJA I 07 14 04 11 0.59N 121.02E 10 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=83.8km s-min=20.1km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.8km az=136.0.

(259) Mindanao.

ISC I 01 12 36 55.3–.37 9.39N–.04 124.16E–.06 515–3 4.2b 270 0-146
BJI I 01 12 36 49.4 8.93N 124.41E 504 4.8b,4.6b ¶13404538
MOS I 01 12 36 53.9–.89 9.41N 124.18E 515 4.2b,4.6b
ISCJB I 01 12 36 55.4–.23 9.44N–.03 124.23E–.05 529–3 4.2b,4.6b
MAN I 01 12 36 55 9.46N 124.17E 522 5.6b,4.9s
NEIC I 01 12 36 55.7–.42 9.43N 124.15E 525–5 4.5b,4.9s
IDC I 01 12 36 56.8–.85 9.34N 124.15E 539–10 3.6b,3.6
DJA I 01 12 36 57 9.37N 124.14E 529 4.7b,3.6
ISC Event type se.
MOS Error ellipse: s-maj=16.1km s-min=6.7km az=115.2.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.5km az=164.5.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.0km az=75.0.
IDC Error ellipse: s-maj=14.3km s-min=6.1km az=75.0.
MAN I 01 15 57 44 7.63N 124.08E 32 4.0b,2.8L
¶14716446
ISC I 02 05 16 41.4–1.6 8.03N–.06 126.6E–.10 73–14 4.0b 42 1-121
MAN I 02 05 16 39 7.96N 126.65E 73 4.6b,3.5L ¶12079802
ISCJB I 02 05 16 40.2–1.2 8.00N–.06 126.6E–.10 80–11 3.9b,3.5L
NEIC I 02 05 16 44.0–1.9 7.95N 126.37E 98–17 4.1b,3.5L
IDC I 02 05 16 44.2–2.3 7.99N 126.52E 99–21 3.9,3.7
ISC Event type ke.
MAN Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.6km s-min=8.3km az=161.9.
NEIC Event type fe. Error ellipse: s-maj=36.0km s-min=10.7km az=70.0. Felt [II PIVS] at Bislig.
IDC Error ellipse: s-maj=36.8km s-min=13.6km az=74.0.
ISC I 03 00 48 21.1–.74 5.8N–.10 125.8E–.20 200 3.3b 16 1-121
ISCJB I 03 00 48 19.3–.56 5.67N–.08 125.6E–.20 200 3.2b ¶12079864
IDC I 03 00 48 20.8–.82 5.67N 125.62E 194–8 3.2,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=9.1km az=166.4.
IDC Error ellipse: s-maj=47.7km s-min=11.0km az=72.0.
ISC I 03 12 14 18.3–1.2 6.6N–.10 123.70E–.05 35 3.8b 17 1-70
MAN I 03 12 14 12 6.35N 123.59E 31 4.9b,3.8s ¶12079899
IDC I 03 12 14 14.3–4.5 6.80N 123.70E 0 3.7b,3.7
ISCJB I 03 12 14 16.3–1.0 6.6N–.10 123.72E–.04 33 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC I 03 16 53 10.9–.50 6.63N–.06 123.57E–.08 612–5 4.5b 178 1-144
BJI I 03 16 53 07.9 6.33N 123.59E 610 4.9b,4.6b ¶11534537
ISCJB I 03 16 53 10.0–.24 6.67N–.04 123.64E–.05 617–3 4.5b,4.6b
DJA I 03 16 53 11 6.73N 123.68E 597 4.9b,4.6b
NEIC I 03 16 53 11.0–.43 6.65N 123.58E 615–6 4.5b,4.6b
IDC I 03 16 53 11.3–.77 6.62N 123.59E 621–10 3.9,3.8b
MAN I 03 16 53 12 6.60N 123.27E 563 5.2b,4.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.0km az=145.9.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.1km az=58.0.
IDC Error ellipse: s-maj=17.7km s-min=6.0km az=65.0.
MAN I 04 04 46 12 9.14N 125.96E 13 4.1b,2.9L
¶14716449
MAN I 04 20 04 26 7.08N 126.00E 32 4.1b,3.0L
¶14716451
ISC I 05 08 23 41.2–.91 8.24N–.04 121.59E–.04 31–6 4.4b,3.2s 78 1-146
IDC I 05 08 23 36.5–.53 8.21N 121.66E 0 4.3,4.2 ¶12080352
MAN I 05 08 23 38 8.15N 121.50E 32 4.7b,3.6s
NEIC I 05 08 23 42.2–.38 8.10N 121.44E 35 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=13.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=8.0km az=58.0.
MAN I 05 21 30 24 7.49N 122.22E 15 4.1b,2.9L
¶14716454
MAN Event type fe. INTENSITY II - ZAMBOANGA CITY.
IDC I 07 20 31 06.0–2.0 5.65N 126.06E 79–23 3.5,3.3
¶12080672
IDC Error ellipse: s-maj=110.3km s-min=17.9km az=70.0.
ISC I 08 03 36 43.1–1.1 9.59N–.04 124.69E–.05 56–10 4.5b,3.3s 119 1-146
BJI I 08 03 36 34.7 8.86N 124.99E 47 4.9b,4.6b ¶11712652
MAN I 08 03 36 40 9.60N 124.72E 28 5.3b,4.5s
ISCJB I 08 03 36 41.2–.42 9.61N–.03 124.75E–.04 54–4 4.4b,3.3s
IDC I 08 03 36 45.5–2.5 9.57N 124.75E 79–23 4.0,4.0
NEIC I 08 03 36 45.2–.91 9.53N 124.77E 80–9 4.8b,4.0
ISC Event type fe.
MAN Event type fe. INTENSITY III - MAMBAJAO CAMIGUIN; INTENSITY II - JAGNA BOHOL; CEBU CITY; INTENSITY I - DUMAGUETE TAGBILARAN CITY.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.7km az=160.2.
IDC Error ellipse: s-maj=20.9km s-min=10.0km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=4.8km az=61.0. Felt [III PIVS] at Mambajao, Camiguin. Felt [II PIVS] at Jagna and [I PIVS] at Tagbilaran, Bohol. Also felt [II PIVS] at Cebu City, Cebu and at Cagayan de Oro, Mindanao. Felt [I PIVS] at Dumaguete, Negros.
MAN I 08 06 29 38 9.20N 124.60E 47 4.3b,3.1L
¶14716459
ISC I 08 11 42 49.5–.68 7.34N–.07 126.92E–.08 52 4.2b 29 1-122
IDC I 08 11 42 42.6–.65 7.54N 126.71E 0 4.3,4.2 ¶12080734
ISCJB I 08 11 42 48.3–.52 7.40N–.05 126.91E–.05 52 4.2b,4.2
MAN I 08 11 42 48 7.21N 126.82E 50 4.9b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=31.8km s-min=15.5km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.7km az=3.7.
MAN I 08 19 35 22 5.12N 125.62E 34 4.2b,3.1L
¶14716462
ISC I 09 03 17 00.7–.64 5.7N–.10 126.7E–.10 66 4.4b 44 1-122
NEIC I 09 03 17 00.9–1.1 5.44N 126.02E 68–10 4.5b ¶11534429
IDC I 09 03 17 00.7–1.7 5.41N 125.95E 64–15 4.0,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.0km s-min=6.2km az=71.0.
IDC Error ellipse: s-maj=47.3km s-min=11.2km az=74.0.
MAN I 09 08 58 13 6.80N 126.37E 9 4.4b,3.2L
¶14716464
IDC I 11 12 03 53.5–1.3 6.61N 123.62E 626–17 3.5,3.4b
¶12081025
IDC Error ellipse: s-maj=22.2km s-min=6.9km az=72.0.
ISC I 11 15 53 01.9–.33 6.50N–.03 126.90E–.04 110–2 5.1b 492 1-162
BJI I 11 15 52 58.8 6.37N 127.01E 113 5.2b,4.9b ¶11594534
ISCJB I 11 15 53 00.5–.36 6.51N–.02 126.92E–.03 112–2 5.0b,4.9b
MOS I 11 15 53 00.9–1.0 6.50N 126.94E 116 5.2b,4.9b
IDC I 11 15 53 00.8–.85 6.40N 126.98E 102–6 4.6,4.6
MAN I 11 15 53 00 6.41N 126.88E 57 5.5b,4.8s
TEH I 11 15 53 01.0 6.44N 126.88E 105 4.9L,4.8s
NEIC I 11 15 53 01.2–.71 6.44N 126.87E 107–6 5.0b,4.8s
DJA I 11 15 53 03 6.39N 126.89E 105 5.2b,4.8s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=164.4.
MOS Error ellipse: s-maj=12.1km s-min=6.0km az=116.9.
IDC Error ellipse: s-maj=11.1km s-min=7.3km az=71.0.
MAN Event type fe. INTENSITY II - MATI & TAGUM CITY.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=78.0.
MAN I 11 17 58 38 5.91N 124.16E 82 4.8b,3.7s
¶14716468
ISC I 11 19 18 12.6–1.3 6.16N–.09 126.5E–.10 72–12 3.8b 29 1-122
IDC I 11 19 18 04.6–.71 5.49N 124.68E 0 3.9,3.7b ¶12081058
ISCJB I 11 19 18 11.9–.85 6.25N–.08 126.58E–.09 89–8 3.7b,3.7b
DJA I 11 19 18 12 6.42N 126.68E 107 4.8b,3.7b
MAN I 11 19 18 13 6.14N 126.36E 33 5.0b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=38.2km s-min=15.1km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=10.4km az=145.4.
MAN I 11 19 36 27 9.72N 124.76E 5 4.7b,3.6s
¶14716469
ISC I 12 17 32 46.8–1.2 7.2N–.20 126.9E–.20 86 3.1b 7 1-82
IDC I 12 17 32 37.3–1.2 7.06N 126.72E 0 3.5,3.3b ¶12081125
ISCJB I 12 17 32 46.1–1.0 7.0N–.20 126.8E–.20 86 3.2b,3.3b
MAN I 12 17 32 49 7.09N 126.52E 7 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=75.2km s-min=25.3km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=27.7km s-min=14.8km az=44.4.
MAN I 12 18 01 40 7.40N 124.87E 33 4.3b,3.2L
¶14716473
IDC I 12 18 27 59.6–3.0 5.31N 124.08E 474–33 2.9,2.7b
¶12081129
IDC Error ellipse: s-maj=43.5km s-min=20.9km az=70.0.
MAN I 12 19 23 42 6.05N 126.21E 131 4.8b,3.7s
¶14716475
MAN I 13 13 31 16 6.26N 125.93E 8 4.7b,3.6L
¶14716476
MAN I 14 19 52 48 9.87N 125.78E 77 4.9b,3.9s
¶14716477
MAN I 14 22 30 51 6.89N 125.68E 22 4.2b,3.0L
¶14716478
IDC I 16 21 11 13.5–2.3 5.51N 126.22E 0 3.6,3.4b
¶12081481
IDC Error ellipse: s-maj=181.6km s-min=27.5km az=65.0.
IDC I 17 08 27 32.8–13 5.55N 126.12E 83–125 3.4,3.3b
¶12081523
IDC Error ellipse: s-maj=122.2km s-min=26.4km az=65.0.
MAN I 17 13 55 02 8.47N 123.03E 32 3.7b,2.4L
¶14716482
ISC I 18 06 08 01.8–.95 5.2N–.10 126.8E–.30 84 3.9b 26 2-66
IDC I 18 06 07 51.0–1.0 5.59N 127.54E 0 4.6L,3.9 ¶12081610
ISCJB I 18 06 07 59.9–.64 5.4N–.10 126.9E–.20 84 3.8b,3.9
NEIC I 18 06 07 59.9–1.8 5.19N 126.50E 58–17 4.3b,3.9
MAN I 18 06 08 04 5.80N 126.82E 60 4.7b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=60.3km s-min=14.0km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=34.2km s-min=7.2km az=154.0.
NEIC Event type se. Error ellipse: s-maj=33.7km s-min=8.2km az=76.0.
ISC I 18 07 12 28.4–.34 10.00N–.04 125.97E–.05 103–2 4.4b 215 1-150
MOS I 18 07 12 18.5–.90 10.04N 126.00E 33 4.7b ¶11617108
ISCJB I 18 07 12 23.5–.62 10.08N–.03 126.14E–.05 75–5 4.5b
MAN I 18 07 12 23 10.16N 126.11E 53 5.2b,4.3s
IDC I 18 07 12 24.1–2.3 10.05N 125.93E 63–21 4.2,4.1
NEIC I 18 07 12 26.7–1.1 10.01N 125.98E 89–10 4.6b,4.1
BJI I 18 07 12 28.6 10.23N 125.97E 101 5.0b,4.5b
ISC Event type fe.
MOS Error ellipse: s-maj=17.7km s-min=7.5km az=110.1.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.9km az=154.1.
IDC Error ellipse: s-maj=21.4km s-min=10.1km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=4.9km az=68.0. Felt at Dapa, Siargao Island.
ISC I 18 21 32 11.1–1.2 5.51N–.08 126.4E–.10 98–9 4.4b 87 1-122
MAN I 18 21 32 08 5.31N 126.40E 42 5.1b,4.2s ¶12081674
ISCJB I 18 21 32 11.0–.69 5.55N–.06 126.34E–.09 113–5 4.3b,4.2s
IDC I 18 21 32 13.9–1.8 5.52N 126.31E 123–16 3.9,3.8b
NEIC I 18 21 32 14.4–.66 5.54N 126.27E 129–6 4.1b,3.8b
DJA I 18 21 32 15 5.14N 126.45E 23 4.7,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=8.2km az=155.3.
IDC Error ellipse: s-maj=25.8km s-min=10.1km az=77.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.2km az=64.0.
MAN I 18 21 43 32 9.26N 125.63E 5 4.5b,3.4L
¶14716485
MAN I 19 16 46 48 9.37N 125.19E 1 5.4b,4.6s
¶14716487
ISC I 19 17 29 03.5–.27 7.67N–.02 126.95E–.03 75–2 5.0b 433 1-169
MOS I 19 17 28 56.8–1.2 7.62N 126.73E 33 5.2b,4.3s ¶13405850
MAN I 19 17 28 58 7.71N 127.19E 93 5.7b,5.1s
NEIC I 19 17 28 58.7–.18 7.65N 126.79E 35 5.2b,5.1s
BJI I 19 17 28 59.9 7.37N 127.08E 80 5.1b,4.9s
IDC I 19 17 28 59.2–.41 7.67N 126.77E 37–3 4.7L,4.6
ISCJB I 19 17 29 01.1–.43 7.70N–.02 127.02E–.03 70–3 4.9b,4.6
DJA I 19 17 29 03 7.65N 127.17E 50 5.0W,4.6
ISC Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=5.6km az=112.7.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.0km az=67.0. Felt [II PIVS] at Davao.
IDC Error ellipse: s-maj=14.3km s-min=7.5km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.1km az=158.7.
MAN I 20 11 30 55 9.15N 125.67E 14 4.4b,3.3L
¶14716497
MAN I 20 15 11 30 5.45N 125.19E 33 4.3b,3.2L
¶14716498
ISC I 20 21 04 29.9–2.0 7.32N–.06 126.9E–.20 80–18 3.9b 48 1-143
IDC I 20 21 04 19.8–.62 7.42N 127.21E 0 4.2,4.0b ¶12081898
ISCJB I 20 21 04 25.9–1.4 7.34N–.06 127.1E–.10 60–14 4.0b,4.0b
MAN I 20 21 04 26 7.40N 126.81E 1 4.8b,3.8s
NEIC I 20 21 04 27.5–2.1 7.34N 126.93E 60–19 4.1b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=14.5km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=9.7km az=176.9.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=9.7km az=80.0.
MAN I 20 22 42 56 8.63N 124.83E 1 3.8b,2.5L
¶14716499
ISC I 21 03 58 58.1–1.3 8.68N–.09 126.4E–.10 53 3.7b 8 1-87
IDC I 21 03 58 50.0–2.3 8.91N 126.94E 0 4.0,3.8b ¶12081937
MAN I 21 03 59 02 8.54N 126.18E 35 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=165.3km s-min=24.0km az=71.0.
ISC I 21 04 07 39.7–1.8 8.45N–.05 126.7E–.10 64–16 3.9b 32 1-121
IDC I 21 04 07 31.5–.75 8.50N 126.46E 0 4.0,3.9b ¶12081939
ISCJB I 21 04 07 38.7–1.1 8.40N–.05 126.74E–.09 69–8 3.8b,3.9b
MAN I 21 04 07 38 8.37N 126.75E 49 4.7b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=51.0km s-min=17.0km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=7.4km az=166.5.
ISC I 22 05 51 24.3–.78 9.29N–.05 125.78E–.09 21–4 3.8b 27 0-145
IDC I 22 05 51 19.3–1.4 9.69N 126.56E 0 4.5L,3.9 ¶12082035
ISCJB I 22 05 51 23.6–1.4 9.22N–.05 125.87E–.06 28–10 3.9b,3.2s
MAN I 22 05 51 24 9.25N 125.66E 8 4.7b,3.6s
NEIC I 22 05 51 29.3–5.0 9.39N 126.08E 70–40 4.2b,3.6s

ISC Event type fe.
IDC Error ellipse: s-maj=52.1km s-min=23.4km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=7.7km az=158.8.
MAN Event type fe. INTENSITY II - BUTUAN CITY.
NEIC Event type fe. Error ellipse: s-maj=74.1km s-min=15.9km az=52.0. Felt [II PIVS] at Butuan.
IDC I 23 08 28 59.3–2.1 5.27N 124.11E 0 4.6s,4.6
¶12082111

IDC Error ellipse: s-maj=228.9km s-min=24.4km az=64.0.
MAN I 24 12 03 46 9.09N 125.54E 7 4.5b,3.4L
¶14716507

ISC I 24 16 11 50.8–2.3 9.2N–.10 126.5E–.10 10 3.4b 10 1-85
MAN I 24 16 11 52 9.12N 126.40E 6 4.9b,3.8s **¶12082236**
IDC I 24 16 11 54.4–7.4 9.50N 127.05E 78–65 4.2L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=70.2km s-min=18.3km az=67.0.
MAN I 24 17 23 01 7.15N 123.51E 30 3.7b,2.4L
¶14716509

ISC I 24 22 43 08.4–.21 5.41N–.03 126.28E–.04 142 4.9b 567 1-168
MAN I 24 22 43 05 5.27N 126.36E 142 5.3b,4.6s **¶13433985**
ISCJB I 24 22 43 06.7–.15 5.45N–.02 126.36E–.03 140 5.0b,4.6s
BJI I 24 22 43 06.5 5.31N 126.22E 145 5.1b,4.8b
IDC I 24 22 43 07.9–.46 5.43N 126.26E 135–3 4.6,4.6
MOS I 24 22 43 08.7–1.0 5.42N 126.14E 158 5.2b,4.6
NEIC I 24 22 43 08.8–.63 5.49N 126.28E 144–6 5.1b,4.6
DJA I 24 22 43 09 5.41N 126.40E 133 5.0W,4.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.2km az=171.0.
IDC Error ellipse: s-maj=13.6km s-min=5.9km az=72.0.
MOS Error ellipse: s-maj=13.3km s-min=5.6km az=116.7.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.4km az=70.0. Felt [I PIVS] at General Santos.
ISC I 25 05 32 34.7–.80 6.52N–.08 125.96E–.09 143–6 3.6b 25 1-121
ISCJB I 25 05 32 33.9–.57 6.52N–.07 125.9E–.10 152–5 3.6b **¶12082286**
IDC I 25 05 32 35.2–.59 6.47N 125.70E 148–3 3.5,3.3b
MAN I 25 05 32 38 6.85N 125.85E 99 4.5b,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.8km s-min=11.2km az=2.5.
IDC Error ellipse: s-maj=41.3km s-min=12.9km az=82.0.
MAN I 25 13 37 08 9.99N 126.21E 25 4.4b,3.2L
¶14716510

MAN I 26 09 40 06 5.96N 124.76E 1 4.2b,3.0L
¶14716511

ISC I 26 13 17 13.8–.71 5.5N–.10 126.4E–.20 66 3.7b 18 1-122
IDC I 26 13 17 05.4–.71 5.44N 126.29E 0 3.9,3.8 **¶12082373**
ISCJB I 26 13 17 12.2–.61 5.42N–.09 126.4E–.20 66 3.6b,3.8
MAN I 26 13 17 24 6.63N 126.22E 82 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=61.2km s-min=15.0km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=24.9km s-min=7.3km az=151.8.
ISC I 26 16 52 30.8–1.5 6.4N–.10 126.8E–.20 112–13 3.5b 16 1-65
ISCJB I 26 16 52 30.7–1.1 6.41N–.10 126.7E–.20 132–10 3.4b **¶12082390**
IDC I 26 16 52 34.2–.90 6.08N 125.83E 136–20 3.3,3.2b
MAN I 26 16 52 39 6.75N 126.36E 46 4.4b,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.6km s-min=14.9km az=162.9.
IDC Error ellipse: s-maj=201.9km s-min=14.3km az=66.0.
MAN I 26 22 32 06 7.24N 124.13E 33 4.6b,3.5s
¶14716513

ISC I 27 05 02 26.5–1.5 7.79N–.04 121.91E–.03 9–9 4.3b,3.2s 78 1-145
IDC I 27 05 02 25.1–.64 7.75N 122.02E 0 4.2,4.1 **¶12082445**
ISCJB I 27 05 02 26.7–.84 7.81N–.03 121.86E–.03 18–7 4.2b,3.2s
MAN I 27 05 02 27 7.84N 121.92E 22 4.4b,3.3L
NEIC I 27 05 02 32.0–1.0 7.68N 121.93E 51–10 4.5b,3.3L
ISC Event type fe.
IDC Error ellipse: s-maj=32.3km s-min=14.8km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.7km az=177.4.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.5km az=46.0.
IDC I 27 08 56 20.7–2.3 6.24N 126.88E 0 3.5,3.3b
¶12082460

IDC Error ellipse: s-maj=175.3km s-min=25.6km az=66.0.
MAN I 27 10 04 34 6.55N 125.96E 3 4.3b,3.2L
¶14716515

MAN I 27 10 09 43 8.63N 126.16E 16 4.3b,3.1L
¶14716516

MAN I 27 16 52 08 8.68N 125.83E 13 4.3b,3.1L
¶14716517

ISC I 27 19 04 57.1–1.4 6.3N–.10 124.1E–.20 548–15 3.9b 59 8-88
ISCJB I 27 19 04 55.7–1.4 6.29N–.09 124.2E–.10 548–20 3.9b **¶12082507**
NEIC I 27 19 04 56.2–1.0 6.31N 124.18E 535–13 4.0b
IDC I 27 19 04 58.1–1.8 6.27N 124.10E 555–21 3.2,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.9km s-min=8.3km az=152.1.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=5.2km az=61.0.
IDC Error ellipse: s-maj=48.8km s-min=9.7km az=64.0.
MAN I 27 23 51 00 6.92N 126.02E 48 4.5b,3.4L
¶14716518

ISC I 28 10 18 26.9–.41 7.61N–.04 126.85E–.06 76–3 4.6b 201 1-149
MAN I 28 10 18 17 7.63N 127.37E 24 5.3b,4.5s **¶11656164**
IDC I 28 10 18 21.7–2.3 7.68N 126.74E 31–16 4.6L,4.5
DJA I 28 10 18 21 7.74N 127.24E 10 5.2b,4.5
BJI I 28 10 18 24.3 7.51N 126.85E 81 4.9b,4.7b
ISCJB I 28 10 18 24.7–.54 7.64N–.03 126.93E–.05 75–5 4.5b,4.7b
NEIC I 28 10 18 26.1–.99 7.66N 126.77E 72–9 4.7b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=9.3km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.8km az=159.2.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=77.0.
MAN I 28 13 44 26 9.75N 125.45E 21 4.2b,3.0L
¶14716519

IDC I 29 09 07 29.2–1.1 7.94N 126.86E 0 3.6,3.4b
¶12082653

IDC Error ellipse: s-maj=64.3km s-min=23.1km az=70.0.
ISC I 31 04 05 39.4–.37 8.71N–.03 126.35E–.06 101–2 4.4b 170 1-145
BJI I 31 04 05 36.3 8.37N 126.45E 112 4.9b,4.4b **¶11667180**
MAN I 31 04 05 37 8.66N 126.36E 117 5.3b,4.5s
IDC I 31 04 05 38.5–.53 8.79N 126.40E 94–4 4.1,4.0
ISCJB I 31 04 05 38.3–.56 8.70N–.03 126.34E–.06 107–4 4.4b,4.0
NEIC I 31 04 05 39.7–1.2 8.74N 126.31E 106–10 4.6b,4.0
ISC Event type fe.
MAN Event type fe. INTENSITY II - BISLIG CITY.
IDC Error ellipse: s-maj=15.1km s-min=6.9km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=4.7km az=161.5.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=5.3km az=60.0. Felt [II PIVS] at Bislig.
ISC II 01 14 10 32.2–1.6 6.1N–.10 126.6E–.20 10 3.4b 11 1-56
ISCJB II 01 14 10 31.5–1.0 6.11N–.09 126.6E–.10 10 3.3b **¶12699336**
MAN II 01 14 10 31 6.05N 126.73E 26 4.5b,3.3L
IDC II 01 14 10 32.3–1.4 5.72N 125.31E 0 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.8km s-min=7.3km az=149.5.
IDC Error ellipse: s-maj=55.7km s-min=14.3km az=92.0.
IDC II 01 15 59 31.9–1.9 6.08N 125.89E 0 3.5,3.4
¶15954834

IDC Error ellipse: s-maj=167.7km s-min=22.8km az=66.0.
IDC II 02 01 59 05.8–5.0 6.11N 126.88E 147–37 3.2,3.0
¶15954878

IDC Error ellipse: s-maj=152.4km s-min=21.8km az=64.0.
ISC II 02 18 12 45.3–.62 5.31N–.07 125.6E–.10 150 4.1b 35 1-88
ISCJB II 02 18 12 43.8–.46 5.27N–.05 125.60E–.08 150 4.0b **¶12699421**
IDC II 02 18 12 46.9–.80 5.40N 125.67E 167–7 3.8,3.6
MAN II 02 18 12 46 5.36N 125.59E 144 4.9b,3.9s
DJA II 02 18 12 48 5.18N 125.87E 127 4.9,3.9s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.5km az=165.9.
IDC Error ellipse: s-maj=20.5km s-min=9.2km az=78.0.
MAN II 02 18 26 29 9.63N 126.17E 15 4.7b,3.6s
¶14716550

MAN II 02 23 46 59 9.39N 125.55E 1 4.5b,3.4L
¶14716551

MAN II 03 16 21 04 9.70N 126.24E 19 4.4b,3.3L
¶14716553

MAN II 03 16 43 15 8.82N 126.31E 22 4.8b,3.8s
¶14716554

MAN II 03 19 54 53 9.68N 125.30E 18 4.3b,3.2L
¶14716555

MAN II 04 22 48 13 9.84N 126.23E 15 4.4b,3.2L
¶14716564

IDC II 06 00 04 22.7–1.0 8.33N 124.62E 0 4.0,3.8
¶15955121

IDC Error ellipse: s-maj=66.5km s-min=20.1km az=69.0.
MAN II 06 00 14 48 8.54N 125.80E 1 4.4b,3.3L
¶14716565

MAN II 07 06 25 11 7.21N 124.76E 30 3.9b,2.6L
¶14716569

IDC II 07 14 49 24.5–2.9 6.19N 126.38E 0 3.6,3.4
¶15955184

IDC Error ellipse: s-maj=254.1km s-min=25.9km az=66.0.
IDC II 07 22 45 29.3–2.0 5.67N 126.68E 0 3.9,3.7
¶15955197

IDC Error ellipse: s-maj=154.5km s-min=26.1km az=65.0.
MAN II 09 14 37 41 8.76N 126.08E 12 4.7b,3.6L
¶14716574

IDC II 09 16 20 04.1–1.8 5.77N 126.84E 0 3.5,3.4
¶15955308

IDC Error ellipse: s-maj=165.5km s-min=28.3km az=69.0.
IDC II 11 14 36 56.9–1.9 5.69N 126.04E 0 3.9,3.9
¶15955423

IDC Error ellipse: s-maj=173.2km s-min=25.3km az=69.0.
ISC II 11 20 38 42.6–.84 9.48N–.06 126.45E–.09 43 3.9b 19 1-94
IDC II 11 20 38 35.8–1.1 9.43N 126.17E 0 4.0,3.9 **¶15955469**
ISCJB II 11 20 38 40.9–.67 9.54N–.06 126.53E–.06 43 4.0b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC II 13 14 09 58.4–1.7 9.88N–.04 126.05E–.07 15–10 3.8b 44 1-94
IDC II 13 14 09 55.7–.87 9.90N 126.10E 0 3.9,3.8 **¶12700527**
NEIC II 13 14 09 57.5–.50 9.87N 125.88E 10 4.1b,3.8
MAN II 13 14 10 04 9.93N 126.09E 39 5.3b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=42.2km s-min=20.6km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=20.7km s-min=8.6km az=65.0. Felt [II PIVS] at Dapa and [I PIVS] at Surigao.
MAN Event type fe. INTENSITY II - DAPA SIARGAO; INTENSITY I -SURIGAO CITY.
MAN II 15 07 29 30 9.53N 125.89E 1 4.5b,3.4L
¶14716586

MAN II 15 09 32 55 9.62N 126.40E 0 4.4b,3.3L
¶14716587

MAN II 15 12 10 46 8.61N 125.46E 19 4.7b,3.6s
¶14716588

ISC II 15 12 33 24.1–2.2 6.52N–.09 126.8E–.20 70–21 3.9b 23 1-122
ISCJB II 15 12 33 21.5–1.5 6.58N–.09 127.0E–.10 65–14 3.9b **¶12700791**
IDC II 15 12 33 22.3–4.0 6.61N 126.91E 56–35 3.9,3.7
MAN II 15 12 33 24 6.67N 126.65E 4 4.8b,3.8s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.3km s-min=11.9km az=154.2.
IDC Error ellipse: s-maj=41.6km s-min=12.6km az=65.0.
ISC II 17 02 04 31.5–.96 5.55N–.04 125.41E–.07 69–11 3.9b 47 1-84
IDC II 17 02 04 21.4–1.1 5.64N 125.29E 0 4.1,3.9 **¶12700972**
MAN II 17 02 04 25 5.32N 125.37E 35 4.1,3.9
ISCJB II 17 02 04 29.8–.46 5.52N–.03 125.36E–.06 64–7 4.0b,3.9
DJA II 17 02 04 29.1–.50 6N–4.0 125E–6.0 10 5.4b,5.0
NEIC II 17 02 04 29.2–.47 5.31N 125.33E 35 4.4b,5.0
ISC Event type fe.
IDC Error ellipse: s-maj=67.4km s-min=18.1km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=4.5km az=3.2.
NEIC Event type fe. Error ellipse: s-maj=17.7km s-min=7.2km az=82.0. Felt [II PIVS] at General Santos.
MAN II 19 01 48 14 9.28N 126.01E 23 4.1b,2.9L
¶14716599

MAN II 19 18 01 49 7.38N 126.38E 118 4.4b,3.2L
IDC II 19 18 02 07.9–2.4 3.14N 126.63E 0 3.4,3.2b **¶14716602**
IDC Error ellipse: s-maj=216.0km s-min=25.2km az=66.0.
ISC II 20 13 02 48.2–1.2 8.93N–.10 126.54E–.10 54 4.2s,3.4b 15 1-94
IDC II 20 13 02 40.6–1.4 9.06N 126.98E 0 4.1s,4.1 **¶12701336**
ISCJB II 20 13 02 46.1–1.0 9.00N–.08 126.62E–.07 54 4.2s,3.4b
MAN II 20 13 02 52 8.66N 126.25E 25 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=51.9km s-min=23.6km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=9.0km az=20.8.
ISC II 21 10 50 28.8–.41 5.82N–.04 126.95E–.06 114–2 4.6b 189 1-159
BJI II 21 10 50 24.1 5.36N 126.96E 114 5.1b,4.7b **¶11713356**
NEIC II 21 10 50 28.8–.82 5.87N 126.92E 116–7 4.7b,4.7b
MAN II 21 10 50 28 5.85N 126.89E 103 5.1b,4.1s
IDC II 21 10 50 28.6–1.4 5.87N 126.92E 114–12 4.3,4.2
ISCJB II 21 10 50 28.1–.49 5.85N–.03 126.91E–.06 125–4 4.6b,4.2
MOS II 21 10 50 28.0–.91 5.84N 126.82E 124 4.5b,4.2
DJA II 21 10 50 30 5.74N 127.02E 46 5.0b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.3km az=75.0.
IDC Error ellipse: s-maj=19.2km s-min=9.4km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=3.9km az=165.4.
MOS Error ellipse: s-maj=17.7km s-min=6.6km az=113.4.
ISC II 21 22 11 49.5–.84 6.74N–.08 123.75E–.10 596–9 4.0b 46 2-119
ISCJB II 21 22 11 48.4–.58 6.77N–.07 123.81E–.07 598–8 3.7b **¶15956902**
IDC II 21 22 11 49.6–.87 6.70N 123.72E 596–11 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=9.9km az=141.5.
IDC Error ellipse: s-maj=15.4km s-min=7.4km az=66.0.
ISC II 22 10 42 35.7–.55 5.56N–.03 124.83E–.05 33–2 4.5b,3.9s 121 2-159
BJI II 22 10 42 31.9 5.11N 125.61E 67 5.1b,4.7s **¶11713527**
IDC II 22 10 42 36.2–.71 5.71N 124.85E 35–5 4.1,4.1
MAN II 22 10 42 36 5.49N 124.84E 33 5.3b,4.5s
DJA II 22 10 42 40 5.67N 125.10E 10 5.2b,4.5s
NEIC II 22 10 42 41.1–.75 5.74N 124.96E 83–7 4.6b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=15.9km s-min=9.8km az=87.0.
MAN Event type fe. INTENSITY III - KIAMBA SARANGANI; INTENSITY II - GENERAL SANTOS CITY.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=5.0km az=69.0. Felt [III PIVS] at Kiamba and [II PIVS] at General Santos.
ISC II 22 11 37 38.0–1.4 6.2N–.10 126.7E–.10 71 3.3b 8 2-40
IDC II 22 11 37 27.2–39 6.50N 127.10E 0 3.6,3.4 **¶15956936**
ISCJB II 22 11 37 36.4–1.3 6.2N–.10 126.8E–.10 71 3.2b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC II 22 13 13 02.5–2.3 5.54N 126.54E 0 3.4,3.3b
¶15956941

IDC Error ellipse: s-maj=169.2km s-min=27.3km az=66.0.
MAN II 22 20 21 56 9.66N 126.40E 6 4.7b,3.6L
¶14716615

MAN II 23 17 46 11 6.67N 126.90E 25 4.1b,2.9L
¶14716619

MAN II 23 18 14 02 5.90N 126.09E 119 4.4b,3.3L

¶14716620
ISC II 24 11 18 27.7–1.2 6.9N–.10 126.02E–.05 26–10 3.5b 12 0-55
IDC II 24 11 18 25.2–1.4 6.53N 125.20E 0 3.6,3.4 ¶12701735
ISCJB II 24 11 18 27.4–.71 6.8N–.10 126.05E–.06 36–10 3.4b,3.4
MAN II 24 11 18 27 6.99N 126.06E 23 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=9.9km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=19.3km s-min=9.3km az=14.3.
MAN II 24 20 32 51 8.39N 125.76E 36 4.0b,2.7L
¶14716623
ISC II 25 07 51 43.9–.47 9.11N–.03 126.32E–.05 72–3 5.0b 350 1-164
DJA II 25 07 51 37 9.52N 126.82E 10 5.1b ¶13435075
MOS II 25 07 51 37.6–.98 9.13N 126.16E 33 5.2b
BJI II 25 07 51 39.7 8.77N 126.58E 80 4.9b,4.8b
MAN II 25 07 51 41 9.11N 126.37E 19 5.5b,4.8s
ISCJB II 25 07 51 42.4–.44 9.11N–.02 126.36E–.03 76–3 4.9b,4.8s
IDC II 25 07 51 42.6–1.4 9.15N 126.29E 60–11 4.6,4.6
TEH II 25 07 51 45.0 9.09N 126.21E 81 4.8L,4.6
NEIC II 25 07 51 45.1–.80 9.10N 126.28E 84–7 5.0b,4.6
ISC Event type fe.
MOS Error ellipse: s-maj=12.6km s-min=5.8km az=112.5.
MAN Event type fe. INTENSITY IV - SAN FRANCISCO AGUSAN DEL SUR; INTENSITY III - BISLIG SURIGAO DEL SUR.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.4km az=161.4.
IDC Error ellipse: s-maj=15.8km s-min=8.7km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.2km az=68.0. Felt [IV PIVS] at San Francisco; [III PIVS] at Bislig and Hinatuan; [II PIVS] at Butuan, Compostela, La Paz and Surigao; [I PIVS] at Mati. Also felt [I PIVS] on Camiguin Island.
MAN II 26 05 28 38 9.14N 126.30E 29 4.0b,2.8L
¶14716627
MAN II 26 18 40 01 7.37N 124.02E 1 3.8b,2.5L
¶14716634
IDC II 26 20 37 25.4–1.8 5.36N 125.32E 0 3.6,3.5
¶15957378
IDC Error ellipse: s-maj=140.5km s-min=20.3km az=69.0.
IDC II 27 06 26 16.3–1.9 6.17N 126.32E 155–10 3.5,3.4
MAN II 27 06 26 19 5.97N 125.80E 118 4.5b,3.3L ¶12701979
IDC Error ellipse: s-maj=99.6km s-min=13.1km az=67.0.
IDC II 27 08 15 09.3–1.7 6.25N 122.63E 0 3.9,3.7
¶15957438
IDC Error ellipse: s-maj=234.3km s-min=21.5km az=63.0.
IDC II 27 15 20 58.8–2.4 5.00N 123.61E 555–30 3.0,2.8
¶15957460
IDC Error ellipse: s-maj=63.0km s-min=12.9km az=66.0.
ISC II 27 17 43 04.8–1.3 9.45N–.03 125.54E–.05 13–8 4.4b,4.0s 105 0-120
IDC II 27 17 43 02.4–.56 9.37N 125.52E 0 4.2,4.1L ¶12702028
MAN II 27 17 43 04 9.42N 125.47E 3 4.8b,3.7s
NEIC II 27 17 43 08.3–1.2 9.42N 125.71E 38–11 4.6b,3.7s
ISC Event type fe.
IDC Error ellipse: s-maj=22.0km s-min=12.2km az=73.0.
MAN Event type fe. INTENSITY IV - MAINIT SURIGAO DEL NORTE; INTENSITY II - SURIGAO CITY; INTENSITY I - BISLIG SURIGAO DEL SUR.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=6.2km az=67.0. Felt [IV PIVS] at Mainit, [II PIVS] at Surigao and [I PIVS] at Bislig.
MAN II 27 20 54 29 8.45N 125.20E 2 3.8b,2.5L
¶14716640
MAN II 28 06 33 09 8.05N 125.02E 43 3.5b,2.2L
¶14716643
ISC II 28 15 16 49.2–1.8 9.79N–.04 126.41E–.07 30–13 4.1b 69 1-146
IDC II 28 15 16 44.3–.54 9.78N 126.34E 0 4.2,4.1 ¶12702115
MAN II 28 15 16 51 9.73N 126.30E 29 4.9b,3.9s
NEIC II 28 15 16 54.4–1.8 9.66N 126.21E 81–16 4.2b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=30.7km s-min=12.2km az=69.0.
MAN Event type fe. INTENSITY III - SOCORRO BUCAS GRANDE SURIGAO DEL SUR.
NEIC Event type fe. Error ellipse: s-maj=21.2km s-min=8.1km az=69.0. Felt [III PIVS] at Socorro.
MAN III 01 15 52 20 7.72N 124.62E 44 4.3b,3.1L
¶14716645
MAN III 02 14 32 00 9.42N 125.78E 31 4.4b,3.2L
¶14716650
MAN III 02 15 43 55 6.46N 126.51E 110 4.6b,3.4L
¶14716651
MAN III 02 17 38 26 9.66N 126.61E 9 4.8b,3.8s
¶14716653
ISC III 02 21 15 24.0–.60 5.71N–.03 126.27E–.05 101–5 4.5b 248 1-151
BJI III 02 21 15 08.1 5.30N 126.53E 16 4.9b,4.6s ¶15153019
ISCJB III 02 21 15 24.1–.33 5.79N–.02 126.29E–.03 121–3 4.6b,4.6s
MAN III 02 21 15 24 5.70N 125.92E 9 5.4b,4.7s
AUST III 02 21 15 24.7–.02 5.73N 126.25E 114–0 5.4b,4.7s
NEIC III 02 21 15 25.6–.84 5.77N 126.15E 118–8 4.8b,4.7s
IDC III 02 21 15 25.5–.75 5.67N 126.04E 116–6 4.1,4.1
DJA III 02 21 15 25.7–.50 6N–5.0 126E–4.0 105–4 5.4b,4.9
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [I PIVS] at Cateel.
IDC III 03 04 34 21.5–1.8 5.78N 126.86E 0 3.6,3.5s
¶12702327
IDC Error ellipse: s-maj=158.3km s-min=26.3km az=68.0.
MAN III 03 17 38 54 6.87N 126.22E 30 4.6b,3.5L
¶14716655
MAN III 04 05 49 25 6.93N 125.97E 29 4.1b,2.9L
¶14716656
IDC III 04 06 20 36.0–2.4 5.81N 126.35E 0 3.6,3.5b
¶12702401
IDC Error ellipse: s-maj=236.8km s-min=21.5km az=66.0.
MAN III 04 22 55 18 6.27N 126.52E 24 4.2b,3.0L
¶14716658
ISC III 06 11 31 45.7–.94 9.68N–.04 126.51E–.07 33–4 4.0b 33 1-94
MAN III 06 11 31 43 9.70N 126.79E 19 4.9b,4.0s ¶12702559
IDC III 06 11 31 46.4–1.0 9.68N 126.30E 39–8 3.9,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=13.8km az=71.0.
MAN III 07 10 09 01 6.70N 124.14E 29 3.6b,2.4L
¶14716665
MAN III 07 19 37 30 9.25N 125.79E 0 4.2b,3.0L
¶14716666
IDC III 08 06 26 15.2–1.8 5.31N 124.20E 0 3.7,3.6b
¶12702691
IDC Error ellipse: s-maj=136.6km s-min=22.5km az=67.0.
ISC III 08 10 00 36.8–.92 5.83N–.08 126.28E–.10 114–9 3.7b 28 1-122
ISCJB III 08 10 00 36.3–.74 5.84N–.08 126.1E–.10 128–8 3.7b ¶15153101
IDC III 08 10 00 37.9–2.4 5.97N 126.52E 132–16 3.6,3.5
AUST III 08 10 00 51.7–.00 5.59N 125.62E 267–0 3.6,3.5
MAN III 08 10 01 34 7.01N 126.51E 58 4.4b,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=12.9km az=164.9.
IDC Error ellipse: s-maj=99.2km s-min=12.0km az=67.0.
AUST Error ellipse: s-maj=4.8km s-min=1.3km az=243.0.
MAN III 08 15 31 28 7.76N 125.46E 20 4.3b,3.1L
¶14716670
ISC III 08 20 00 13.1–1.5 5.1N–.10 126.9E–.30 76 3.3b 7 2-61
IDC III 08 20 00 06.3–1.7 4.81N 126.88E 0 3.6,3.4 ¶12702750
ISC Event type ke.
IDC Error ellipse: s-maj=111.0km s-min=20.1km az=70.0.
IDC III 09 11 15 00.4–31 5.45N 126.14E 0 3.7,3.6
¶12702791
IDC Error ellipse: s-maj=526.0km s-min=104.5km az=153.0.
MAN III 09 19 22 54 7.88N 124.75E 28 4.2b,3.0L
¶14716672
ISC III 10 10 11 29.3–.87 9.55N–.07 126.56E–.08 43 3.8b 21 1-87
IDC III 10 10 11 23.2–.82 9.64N 126.37E 0 3.9,3.7b ¶12702863
ISCJB III 10 10 11 27.6–.62 9.59N–.06 126.58E–.05 43 3.9b,3.7b
MAN III 10 10 11 28 9.50N 126.55E 32 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=16.3km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.0km az=2.6.
MAN III 10 13 07 00 6.54N 125.85E 150 4.5b,3.4L
IDC III 10 13 07 19.1–2.0 1.94N 124.85E 0 3.1,3.0 ¶14716678
IDC Error ellipse: s-maj=209.3km s-min=25.3km az=64.0.
MAN III 10 15 13 43 6.63N 126.19E 66 3.9b,2.6L
¶14716680
MAN III 11 19 52 46 9.27N 125.39E 1 4.6b,3.5L
¶14716683
MAN III 12 12 30 05 7.45N 124.80E 1 4.6b,3.4L
¶14716686
MAN III 13 13 17 47 7.75N 123.31E 3 4.3b,3.2L
¶14716690
MAN III 13 13 40 31 7.65N 125.72E 45 4.2b,3.0L
¶14716691
MAN III 14 14 30 47 6.74N 126.46E 214 4.1b,2.9L
¶14716692
ISC III 14 19 42 45.5–1.6 6.8N–.20 126.1E–.30 35 3.5b 7 1-55
IDC III 14 19 42 42.2–1.2 6.40N 125.21E 0 3.8,3.6b ¶12703292
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=8.9km az=110.0.
MAN III 15 05 12 56 9.94N 125.04E 8 4.4b,3.3L
¶14716695
ISC III 15 07 54 20.1–.43 10.00N–.03 125.95E–.05 100–3 4.8b 318 1-146
MOS III 15 07 54 10.8–1.1 10.05N 125.89E 33 5.2b ¶12791196
MAN III 15 07 54 14 10.02N 126.13E 53 5.4b,4.7s
IDC III 15 07 54 15.1–1.8 10.03N 125.94E 56–15 4.4,4.4
ISCJB III 15 07 54 16.3–.43 10.07N–.02 126.04E–.04 82–3 4.7b,4.4
BJI III 15 07 54 18.5 9.96N 126.01E 113 5.0b,4.8b
NEIC III 15 07 54 20.7–.77 10.00N 125.93E 108–7 4.7b,4.8b
DJA III 15 07 54 36.7–3.2 9N–25 125E–21 48–34 5.0b,4.7b
AUST III 15 07 54 53.1–2.9 9.40N 125.66E 444–0 5.0b,4.7b
ISC Event type fe.
MOS Error ellipse: s-maj=12.8km s-min=5.7km az=115.1.
MAN Event type fe. INTENSITY IV - SOCORRO SURIGAO DEL NORTE; INTENSITY III - SURIGAO CITY; DAPA SURIGAO DEL NORTE; INTENSITY III - DINAGAT PROINCE.
IDC Error ellipse: s-maj=18.7km s-min=10.0km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.5km az=167.5.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.8km az=82.0. Felt [IV PIVS] at Socorro; [III PIVS] at Dapa and Surigao; [II PIVS] in Dinagat.
AUST Error ellipse: s-maj=2.1km s-min=1.0km az=251.0.
MAN III 15 11 33 08 6.41N 126.17E 56 4.6b,3.5L
¶14716696
MAN III 18 15 31 01 7.15N 125.55E 25 4.1b,2.8L
¶14716701
MAN III 19 17 06 53 6.67N 125.62E 180 4.5b,3.3L
¶14716704
MAN III 19 19 40 08 7.66N 124.74E 19 4.0b,2.8L
¶14716705
ISC III 19 20 14 26.5–.70 9.77N–.09 125.6E–.10 150 3.9b 44 1-56
ISCJB III 19 20 14 24.8–.38 9.86N–.05 125.73E–.05 150 4.0b ¶15153279
MAN III 19 20 14 26 9.87N 125.65E 140 4.6b,3.5s
IDC III 19 20 14 26.8–.86 9.72N 125.40E 155–8 4.3s,4.3
AUST III 19 20 14 43.5–3.0 7.94N 125.23E 195 4.3s,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.7km az=40.0.
IDC Error ellipse: s-maj=41.7km s-min=11.8km az=65.0.
AUST Error ellipse: s-maj=4.0km s-min=1.5km az=5.0.
MAN III 20 13 40 57 6.46N 124.60E 12 4.5b,3.3L
¶14716707
MAN III 21 03 50 37 8.18N 124.95E 34 3.9b,2.6L
¶14716709
MAN III 23 00 57 20 7.56N 125.84E 18 4.3b,3.1L
¶14716799
IDC III 23 11 26 05.1–1.6 5.44N 126.40E 0 3.7b,3.7
¶12635383
IDC Error ellipse: s-maj=164.6km s-min=18.2km az=66.0.
IDC III 23 13 14 37.3–1.9 5.73N 126.92E 0 3.6b,3.6
¶12635392
IDC Error ellipse: s-maj=203.5km s-min=17.5km az=66.0.
IDC III 23 15 56 07.5–2.5 6.96N 125.13E 0 3.4,3.2b
¶12635396
IDC Error ellipse: s-maj=221.5km s-min=27.3km az=65.0.
ISC III 25 03 13 06.1–.35 9.64N–.03 126.15E–.05 79–2 4.6b 235 1-146
MOS III 25 03 12 59.2–1.1 9.64N 126.05E 33 4.8b ¶15153415
MAN III 25 03 13 02 9.63N 126.36E 35 5.4b,4.6s
IDC III 25 03 13 04.7–2.4 9.66N 126.16E 66–22 4.3,4.3
ISCJB III 25 03 13 04.1–.50 9.63N–.03 126.22E–.04 78–4 4.5b,4.3
NEIC III 25 03 13 06.5–.99 9.59N 126.07E 84–9 4.6b,4.3
DJA III 25 03 13 11.8–1.1 10N–7.0 127E–9.0 114–9 5.2b,4.8
AUST III 25 03 14 36.1 3.50N 126.00E 600 5.2b,4.8
ISC Event type fe.
MOS Error ellipse: s-maj=14.7km s-min=6.5km az=110.7.
MAN Event type fe. INTENSITY III - SOCORRO SURIGAO DEL NORTE; INTENSITY II - SURIGAO CITY; DAPA SIARGO ISLAND; LIBJO DINAGAT PROVINCE.
IDC Error ellipse: s-maj=16.4km s-min=8.8km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.0km az=158.7.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=5.4km az=75.0. Felt [III PIVS] at Socorro and [II PIVS] at Dapa, Libjo and Surigao.
IDC III 26 01 20 21.1–.92 6.92N 125.67E 62–10 3.4,3.2b
¶12635601
IDC Error ellipse: s-maj=64.3km s-min=19.3km az=77.0.
ISC III 26 22 54 12.2–1.2 7.0N–.10 125.62E–.09 58–11 3.3b 10 0-54
IDC III 26 22 54 06.6–1.7 6.98N 126.21E 0 3.5,3.3b ¶12635655
ISCJB III 26 22 54 10.9–.79 7.0N–.10 125.6E–.10 64–12 3.1b,3.3b
MAN III 26 22 54 10 7.04N 125.64E 63 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=10.8km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=25.2km s-min=9.0km az=41.3.
ISC III 26 23 44 34.5–.69 9.69N–.07 126.71E–.09 43 3.9b 24 2-94
IDC III 26 23 44 28.4–.69 9.74N 126.69E 0 4.1,4.0 ¶12635657
ISCJB III 26 23 44 32.3–.56 9.71N–.06 126.77E–.05 43 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
MAN III 27 06 17 51 9.79N 126.27E 15 4.8b,3.7s
¶14716815
ISC III 27 10 07 40.8–.78 7.02N–.06 125.54E–.04 26–5 3.5b 23 0-97
IDC III 27 10 07 37.2–.67 7.07N 125.60E 0 3.8,3.6b ¶12635694
MAN III 27 10 07 41 7.10N 125.62E 22 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=22.8km s-min=5.4km az=21.0.
MAN III 27 14 18 28 9.27N 125.89E 12 4.4b,3.2L
¶14716818
MAN III 28 17 41 18 5.82N 125.21E 60 4.3b,3.1L
¶14716824
IDC III 28 19 14 50.5–2.5 5.43N 126.53E 0 3.4,3.2b
¶12635793
IDC Error ellipse: s-maj=213.1km s-min=25.6km az=66.0.
ISC III 28 21 41 21.1–.69 6.07N–.07 125.30E–.09 111 3.8b 23 1-84
AUST III 28 21 41 10.0–5.1 5.81N 124.17E 13–0 3.8b ¶15153451
MAN III 28 21 41 18 5.86N 125.22E 74 4.3b,3.1L
ISCJB III 28 21 41 19.9–.42 6.04N–.05 125.24E–.09 111 3.8b,3.1L
IDC III 28 21 41 21.3–1.1 6.03N 125.39E 106–13 3.8,3.6b
ISC Event type ke.
AUST Error ellipse: s-maj=2.0km s-min=1.0km az=310.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.0km az=167.6.
IDC Error ellipse: s-maj=48.9km s-min=16.7km az=82.0.
MAN III 29 02 18 23 8.56N 126.04E 18 4.1b,2.9L

¶14716825

ISC III 29 08 14 01.2–1.7 7.0N–.20 126.0E–.20 150 5 1-54
IDC III 29 08 14 14.1–2.1 3.93N 127.16E 0 3.8,3.6b ¶14716826
MAN III 29 08 14 26 8.13N 124.70E 42 3.8b,2.5L
ISC Event type ke.
IDC Error ellipse: s-maj=150.0km s-min=26.5km az=66.0.
MAN III 29 14 01 44 7.19N 121.98E 26 4.0b,2.8L

¶14716828

ISC III 30 07 37 15.1–.88 6.07N–.09 125.4E–.10 111 3.3b 12 0-84
IDC III 30 07 37 02.9–1.1 6.02N 125.45E 0 3.7,3.5 ¶12635925
MAN III 30 07 37 19 6.05N 124.80E 9 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=68.7km s-min=21.5km az=76.0.
ISC III 30 12 38 57.3–.95 5.67N–.10 126.08E–.09 141–9 4.0b 32 1-122
MAN III 30 12 38 55 5.99N 126.23E 174 4.9b,3.8s ¶12635943
ISCJB III 30 12 38 56.5–.60 5.72N–.08 126.10E–.08 150–5 4.0b,3.8s
IDC III 30 12 38 58.0–.74 5.75N 126.13E 148–7 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=9.2km az=135.9.
IDC Error ellipse: s-maj=28.5km s-min=10.0km az=61.0.
MAN III 30 19 43 50 7.31N 125.05E 27 4.1b,2.9L

¶14716834

ISC III 30 19 52 09.3–1.3 9.82N–.05 126.8E–.10 10 3.3b 12 1-57
ISCJB III 30 19 52 07.3–1.0 9.87N–.05 126.94E–.08 10 3.3b ¶12635977
IDC III 30 19 52 08.3–2.3 9.46N 125.55E 0 3.4,3.3b
MAN III 30 19 52 10 9.87N 126.79E 16 4.8b,3.8s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.8km az=174.3.
IDC Error ellipse: s-maj=231.7km s-min=27.2km az=69.0.
IDC III 30 20 40 51.1–2.4 5.51N 124.46E 0 3.6,3.4b

¶12635983

IDC Error ellipse: s-maj=249.8km s-min=25.8km az=64.0.
MAN III 31 18 22 44 8.34N 124.88E 33 3.9b,2.7L

¶14716836

MAN III 31 19 16 12 8.24N 125.37E 1 4.1b,2.9L

¶14716837

IDC IV 01 10 16 58.0–2.2 5.75N 125.34E 0 3.9,3.7b

¶16152221

IDC Error ellipse: s-maj=201.3km s-min=25.6km az=65.0.
ISC IV 02 08 59 56.6–.39 5.90N–.04 126.85E–.06 82–2 4.7b 281 1-169
MOS IV 02 08 59 49.3–.92 6.01N 126.79E 33 5.1b ¶15153515
MAN IV 02 08 59 49 5.88N 127.15E 55 5.4b,4.7s
AUST IV 02 08 59 50.0–1.8 6.26N 127.40E 39–0 5.4b,4.7s
BJI IV 02 08 59 49.0 5.14N 126.98E 78 4.9b,4.8b
ISCJB IV 02 08 59 53.6–.49 5.89N–.03 126.82E–.05 71–4 4.6b,4.8b
DJA IV 02 08 59 53.0–.70 6N–5.0 127E–8.0 10 5.6b,5.2
IDC IV 02 08 59 53.2–1.7 6.00N 126.96E 53–14 4.3,4.3
NEIC IV 02 08 59 55.0–.93 5.97N 126.89E 70–8 4.9b,4.3
ISC Event type se.
MOS Error ellipse: s-maj=16.7km s-min=6.6km az=118.1.
AUST Error ellipse: s-maj=2.1km s-min=0.9km az=241.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=3.7km az=159.5.
IDC Error ellipse: s-maj=15.5km s-min=9.0km az=74.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.8km az=74.0.
MAN IV 03 18 42 32 8.00N 126.25E 82 4.4b,3.3L

¶14716849

MAN IV 04 01 02 34 5.59N 125.42E 103 4.2b,3.0L

¶14716855

ISC IV 04 13 07 17.5–.96 9.67N–.05 126.60E–.09 43 3.6b 24 1-87
IDC IV 04 13 07 11.4–.97 9.59N 126.25E 0 3.9,3.7 ¶12934475
ISCJB IV 04 13 07 15.9–.71 9.67N–.05 126.66E–.05 43 3.7b,3.7
MAN IV 04 13 07 17 9.66N 126.50E 83 4.8b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=67.2km s-min=20.8km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.7km az=148.0.
MAN IV 04 13 46 38 9.74N 126.57E 8 4.5b,3.4L

¶14716856

ISC IV 04 14 48 22.4–1.1 6.16N–.04 126.24E–.08 43–10 4.2b,3.3s 53 1-151
MAN IV 04 14 48 20 6.13N 126.26E 29 5.0b,4.0s ¶15153554
AUST IV 04 14 48 20.9–1.8 5.88N 125.58E 28–0 5.0b,4.0s
ISCJB IV 04 14 48 21.4–.56 6.08N–.03 126.08E–.07 48–6 4.1b,3.3s
DJA IV 04 14 48 21.3–.50 6N–3.0 126E–8.0 10 5.3b,5.2b
IDC IV 04 14 48 21.4–3.2 6.13N 126.29E 34–23 4.1,4.0
ISC Event type ke.
AUST Error ellipse: s-maj=1.6km s-min=1.0km az=257.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.6km az=167.2.
IDC Error ellipse: s-maj=39.8km s-min=11.1km az=70.0.
ISC IV 04 15 08 52.6–.82 5.2N–.10 127.0E–.20 76 4.0b 14 2-84
IDC IV 04 15 08 42.8–.79 5.39N 127.47E 0 4.0,3.9 ¶12934462
MAN IV 04 15 08 58 5.41N 126.73E 7 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=58.6km s-min=14.0km az=72.0.
IDC IV 04 20 53 23.7–1.2 5.02N 127.00E 0 3.7s,3.7

¶16152384

IDC Error ellipse: s-maj=89.7km s-min=17.8km az=71.0.
IDC IV 04 22 12 48.2–2.0 5.02N 126.45E 0 3.8s,3.8

¶16152390

IDC Error ellipse: s-maj=160.0km s-min=25.1km az=65.0.
ISC IV 05 05 14 07.3–2.3 9.76N–.06 126.7E–.10 50–21 4.0b 30 1-121
IDC IV 05 05 13 59.8–.97 9.91N 127.12E 0 4.4L,4.1 ¶12934586
MAN IV 05 05 14 03 9.74N 126.77E 11 4.7b,3.5s
ISCJB IV 05 05 14 04.5–1.3 9.78N–.05 126.87E–.08 43–12 4.0b,3.7s
ISC Event type ke.
ISCJB Event type ke.
ISC IV 06 00 02 34.4–.40 7.30N–.06 123.8E–.10 600 4.0b 57 2-119
AUST IV 06 00 01 52.8–4.5 7.54N 123.14E 106–0 4.0b ¶15153580
ISCJB IV 06 00 02 33.2–.30 7.29N–.05 123.84E–.07 600 3.9b
IDC IV 06 00 02 34.6–.46 7.28N 123.83E 603–5 3.4,3.4
ISC Event type ke.
AUST Error ellipse: s-maj=3.6km s-min=1.4km az=240.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.9km az=161.6.
IDC Error ellipse: s-maj=12.6km s-min=6.5km az=76.0.
MAN IV 06 15 07 30 9.53N 126.50E 40 4.5b,3.3L

¶14716868

MAN IV 06 16 18 29 9.97N 125.92E 33 4.6b,3.5L

¶14716869

ISC IV 08 23 47 20.7–1.3 9.31N–.06 125.9E–.10 113–10 3.8b 24 1-85
IDC IV 08 23 47 05.2–13 9.59N 126.71E 0 4.0,3.9 ¶12934769
ISCJB IV 08 23 47 20.0–.97 9.30N–.06 125.89E–.10 117–6 3.9b,3.9
MAN IV 08 23 47 20 9.28N 125.88E 105 4.7b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=496.5km s-min=145.8km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=9.1km az=169.2.
ISC IV 09 00 35 06.3–1.7 9.76N–.05 126.3E–.10 60–16 3.8b 41 1-94
IDC IV 09 00 34 58.5–.88 9.79N 126.07E 0 4.0,3.9b ¶12934924
NEIC IV 09 00 35 03.4–.46 9.69N 125.96E 35 3.8b,3.9b
ISCJB IV 09 00 35 04.8–1.2 9.76N–.04 126.38E–.10 72–10 3.8b,3.9b
MAN IV 09 00 35 04 9.74N 126.40E 53 4.8b,3.8s
ISC Event type fe.
IDC Error ellipse: s-maj=73.0km s-min=15.0km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=28.8km s-min=7.2km az=74.0. Felt [II PIVS] at Socorro.
ISCJB Event type fe. Error ellipse: s-maj=16.4km s-min=6.8km az=169.4.
MAN Event type fe. INTENSITY II - SOCORRO SURIGAO DEL NORTE.
MAN IV 09 02 32 39 9.85N 125.25E 8 4.6b,3.4s

¶14716880

IDC IV 09 10 18 53.5–1.1 5.01N 126.90E 0 4.0,3.9

¶16152582

IDC Error ellipse: s-maj=54.9km s-min=18.8km az=81.0.
MAN IV 10 03 01 28 6.82N 125.63E 38 4.5b,3.4L

¶14716884

IDC IV 11 19 35 19.2–1.1 5.01N 125.50E 0 3.7L,3.6

¶16152679

IDC Error ellipse: s-maj=67.5km s-min=18.9km az=77.0.
ISC IV 11 22 45 51.7–1.6 8.93N–.07 126.1E–.10 98–15 3.7b 32 1-145
MAN IV 11 22 45 48 8.97N 126.26E 37 4.8b,3.7s ¶12935001
ISCJB IV 11 22 45 49.8–1.2 8.96N–.06 126.2E–.10 99–12 3.7b,3.7s
IDC IV 11 22 45 50.4–1.9 9.00N 126.23E 86–18 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=6.7km az=158.4.
IDC Error ellipse: s-maj=26.0km s-min=11.8km az=80.0.
ISC IV 12 04 01 24.6–1.2 5.75N–.09 124.6E–.10 62 3.2b 9 2-41
IDC IV 12 04 01 21.5–4.7 5.43N 125.30E 0 3.8,3.6 ¶12935129
ISCJB IV 12 04 01 23.0–.86 5.68N–.06 124.6E–.10 62 3.3b,3.6
MAN IV 12 04 01 26 5.98N 124.60E 27 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=211.1km s-min=12.5km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=9.0km az=6.7.
IDC IV 12 10 29 08.2–2.2 5.29N 125.97E 0 3.5,3.3

¶16152707

IDC Error ellipse: s-maj=194.3km s-min=25.2km az=65.0.
ISC IV 12 10 30 55.0–.66 6.01N–.04 126.39E–.05 118–6 4.2b 122 1-145
MAN IV 12 10 30 52 5.91N 126.45E 147 5.2b,4.3s ¶15153673
ISCJB IV 12 10 30 54.2–.30 6.02N–.02 126.40E–.04 124–3 4.2b,4.3s
AUST IV 12 10 30 54.4 6.00N 126.51E 100 4.2b,4.3s
DJA IV 12 10 30 56.8–.50 6N–3.0 126E–3.0 109–8 5.3b,5.3
IDC IV 12 10 30 56.5–.70 6.00N 126.05E 134–6 4.0,3.9
NEIC IV 12 10 30 57.7–1.6 5.99N 125.94E 146–16 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.2km az=172.1.
IDC Error ellipse: s-maj=25.0km s-min=8.9km az=87.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=5.3km az=84.0.
IDC IV 12 16 13 46.6–2.5 6.80N 124.90E 0 3.7,3.4

¶16152720

IDC Error ellipse: s-maj=223.3km s-min=27.3km az=64.0.
ISC IV 13 09 30 40.3–1.1 9.91N–.03 125.08E–.05 29–8 4.0b,3.4s 69 0-119
IDC IV 13 09 30 35.7–.59 9.89N 125.11E 0 4.1,4.0 ¶12935203
MAN IV 13 09 30 39 9.89N 125.08E 8 4.8b,3.7s
ISCJB IV 13 09 30 40.7–.52 9.89N–.03 125.11E–.05 47–5 4.0b,3.5s
NEIC IV 13 09 30 48.4–1.1 9.87N 125.14E 104–11 4.3b,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=27.7km s-min=14.2km az=75.0.
MAN Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.4km az=173.6.
NEIC Event type fe. Error ellipse: s-maj=13.5km s-min=7.0km az=68.0. Felt on Limasawa Island.
IDC IV 13 10 36 38.7–2.2 5.05N 126.78E 0 3.5,3.3

¶16152752

IDC Error ellipse: s-maj=159.9km s-min=27.7km az=66.0.
MAN IV 13 13 16 07 5.95N 126.21E 124 4.1b,2.9L

¶14717254

IDC IV 13 15 25 14.2–1.2 5.02N 125.46E 0 3.9L,3.7

¶16152767

IDC Error ellipse: s-maj=68.1km s-min=18.4km az=76.0.
MAN IV 14 01 47 19 8.99N 123.05E 20 4.0b,2.8L

¶14717267

ISC IV 14 07 02 13.9–.31 7.13N–.03 123.72E–.04 39–3 4.5b,3.9s 174 1-165
ISCJB IV 14 07 02 12.5–.38 7.08N–.02 123.75E–.03 45–4 4.5b,4.0s ¶15153703
MAN IV 14 07 02 12 7.20N 123.67E 28 5.5b,4.8s
IDC IV 14 07 02 13.4–.59 7.08N 123.70E 41–5 4.2,4.1L
NEIC IV 14 07 02 15.4–.68 7.05N 123.73E 59–6 4.9b,4.1L
GCMT IV 14 07 02 16.6–.30 7.13N 123.69E 37–2 5.0W,4.1L
AUST IV 14 07 02 17.8 6.50N 124.00E 35 5.0W,4.1L
BJI IV 14 07 02 19.6 6.57N 123.95E 51 5.0b,4.6b
DJA IV 14 07 02 21.8–.40 7N–3.0 124E–3.0 64–4 5.6,5.5b
ISC Event type fe.
ISCJB Event type fe.
MAN Event type fe. INTENSITY III - PARANG MAGUINDANAO.
NEIC Event type fe. Felt [III PIVS] at Parang and Sultan Kudarat. Also felt at Cotabato.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s17,c20; s61,c87;
Moment tensor: Scale 10^{16}Nm; M_{rr}1.33±.27 $M_{\theta\theta}$2.01±.16; $M_{\phi\phi}$-3.34±.19; $M_{r\theta}$-2.13±.17;
$M_{\theta\phi}$1.26±.10; $M_{\theta r}$-0.39±.16; Best double couple: NP1:ϕ_s205.00000°,δ63.00000°,λ151.00000°.
NP2:ϕ_s309.00000°,δ65.00000°,λ30.00000°. Principal axes: T 4.0300,Plg39.0000°
,Azm168.0000°; N -0.4100,Plg51.0000°,Azm346.0000°; P -3.6200,Plg1.0000°,Azm77.0000°
M_o3.80000×10^{16}
ISC IV 14 18 02 49.4–.39 6.02N–.04 125.65E–.05 81–3 4.6b 213 1-163
BJI IV 14 18 02 42.1 5.34N 125.88E 79 4.9b,4.6b ¶15153705
MAN IV 14 18 02 47 5.90N 125.68E 63 5.3b,4.4s
DJA IV 14 18 02 48.4–1.4 6N–10 126E–7.0 59–10 5.6,5.5b
AUST IV 14 18 02 48.2–.02 6.02N 125.63E 77–0 5.6,5.5b
NEIC IV 14 18 02 49.0–.92 6.04N 125.55E 80–8 4.4b,5.5b
ISCJB IV 14 18 02 48.1–.35 6.02N–.02 125.66E–.04 84–3 4.5b,5.5b
IDC IV 14 18 02 49.4–.81 6.02N 125.51E 81–7 4.3,4.3b
ISC Event type se.
AUST Error ellipse: s-maj=1.2km s-min=0.9km az=242.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.5km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.4km az=164.4.
IDC Error ellipse: s-maj=14.9km s-min=8.4km az=83.0.
ISC IV 14 20 31 42.7–.82 9.51N–.06 126.13E–.09 67 3.5b 18 1-95
MAN IV 14 20 31 40 9.51N 126.32E 36 4.6b,3.5L ¶12935241
ISCJB IV 14 20 31 41.4–.70 9.53N–.06 126.19E–.06 67 3.5b,3.5L
IDC IV 14 20 31 48.5–10.0 9.45N 125.73E 123–95 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=8.2km az=176.8.
IDC Error ellipse: s-maj=50.6km s-min=20.5km az=75.0.
MAN IV 14 22 34 52 7.24N 124.39E 19 4.3b,3.2L

¶14717272

MAN Event type fe. INTENSITY II - COTABATO CITY.
ISC IV 15 04 44 43.1–.71 5.45N–.07 126.6E–.20 66 4.3b 46 2-122
ISCJB IV 15 04 44 41.6–.55 5.46N–.06 126.5E–.10 66 4.1b ¶12935320
NEIC IV 15 04 44 43.7–1.3 5.42N 126.39E 67–10 4.4b
IDC IV 15 04 44 43.7–2.6 5.47N 126.44E 66–21 3.8,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=7.4km az=164.3.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=6.6km az=77.0.
IDC Error ellipse: s-maj=48.9km s-min=13.6km az=72.0.
ISC IV 15 16 57 06.4–.96 5.97N–.08 125.69E–.09 111 3.5b 15 1-55
MAN IV 15 16 57 03 5.95N 125.75E 141 4.7b,3.6L ¶12935288
ISCJB IV 15 16 57 05.1–.73 5.91N–.06 125.84E–.10 111 3.5b,3.6L
IDC IV 15 16 57 06.4–1.0 6.11N 125.59E 132–21 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=8.5km az=163.4.
IDC Error ellipse: s-maj=116.6km s-min=18.3km az=69.0.
ISC IV 15 17 30 18.1–.89 6.55N–.08 126.02E–.07 58–10 3.5b 21 0-67
AUST IV 15 17 29 58.6–12 8.05N 125.87E 0–0 3.5b ¶15153731
ISCJB IV 15 17 30 17.9–.53 6.53N–.07 125.98E–.06 60–9 3.5b
MAN IV 15 17 30 17 6.75N 126.07E 58 4.6b,3.5L
IDC IV 15 17 30 18.9–1.8 6.49N 125.54E 62–31 3.4,3.2
ISC Event type ke.
AUST Error ellipse: s-maj=4.1km s-min=1.6km az=10.0.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=9.3km az=179.3.
IDC Error ellipse: s-maj=114.0km s-min=22.0km az=69.0.
ISC IV 16 22 34 27.0–.76 5.8N–.10 126.8E–.20 83 3.9b 20 1-122
IDC IV 16 22 34 17.6–1.0 5.64N 126.61E 0 4.1,4.0 ¶12935338
ISCJB IV 16 22 34 25.8–.72 5.6N–.10 126.7E–.20 83 3.9b,4.0
MAN IV 16 22 34 29 5.96N 126.63E 44 4.7b,3.6s
AUST IV 16 22 37 02.0–.02 9.13S 125.99E 423–0 4.7b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=98.6km s-min=16.1km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=28.5km s-min=8.4km az=153.7.
AUST Error ellipse: s-maj=2.0km s-min=1.4km az=226.0.
MAN IV 17 16 51 35 9.84N 125.03E 6 4.4b,3.2L

¶14717385

MAN Event type fe. INTENSITY III - LIMASAWA ISLAND SOUTHERN LEYTE.

IDC IV 18 22 31 11.3–2.2 5.07N 126.69E 0 3.9,3.7b ¶16153008
IDC Error ellipse: s-maj=173.4km s-min=25.0km az=66.0.
IDC IV 19 13 22 44.1–2.0 5.79N 126.45E 0 3.6,3.4 ¶16153059
IDC Error ellipse: s-maj=122.8km s-min=24.1km az=69.0.
IDC IV 20 04 58 00.3–1.9 5.50N 126.32E 0 3.6,3.4 ¶16153115
IDC Error ellipse: s-maj=112.4km s-min=23.7km az=69.0.
IDC IV 20 04 59 26.1–1.4 5.43N 126.33E 0 3.9,3.8 ¶16153116
IDC Error ellipse: s-maj=114.4km s-min=18.6km az=69.0.
IDC IV 20 16 31 52.5–2.1 6.13N 125.04E 0 3.5,3.4 ¶16153156
IDC Error ellipse: s-maj=150.6km s-min=24.2km az=68.0.
ISC IV 20 18 14 05.9–.88 6.08N–.06 126.32E–.08 68 3.6b 21 1-55
ISCJB IV 20 18 14 04.3–.65 6.06N–.05 126.35E–.07 68 3.6b ¶16153164
IDC IV 20 18 14 07.4–1.6 6.24N 126.24E 102–15 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.0km az=162.0.
IDC Error ellipse: s-maj=61.6km s-min=18.9km az=71.0.
IDC IV 21 12 56 58.5–1.1 7.26N 126.86E 0 3.7,3.6 ¶16153211
IDC Error ellipse: s-maj=60.4km s-min=22.1km az=76.0.
MAN IV 22 04 25 07 9.62N 126.39E 24 4.6b,3.5L ¶14717401
MAN IV 23 07 44 22 9.46N 125.76E 1 4.4b,3.3L ¶14717409
ISC IV 24 08 11 35.6–1.2 8.69N–.03 125.81E–.06 24–8 4.0b,3.2s 41 0-120
MAN IV 24 08 11 34 8.68N 125.75E 10 4.9b,3.8s ¶12936094
ISCJB IV 24 08 11 35.7–.70 8.73N–.03 125.88E–.05 34–7 3.9b,3.2s
IDC IV 24 08 11 38.8–3.5 8.69N 126.01E 50–34 3.9L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.1km az=168.1.
IDC Error ellipse: s-maj=41.6km s-min=16.1km az=76.0.
IDC IV 24 10 44 06.8–2.5 5.45N 126.14E 0 3.9s,3.9 ¶16153332
IDC Error ellipse: s-maj=212.9km s-min=28.1km az=65.0.
MAN IV 24 16 51 22 8.71N 126.39E 21 4.7b,3.6L ¶14717418
MAN IV 24 18 57 39 7.15N 124.07E 56 3.8b,2.6L ¶14717419
IDC IV 25 20 33 10.2–4.4 5.65N 123.77E 609–69 2.9,2.8 ¶16153392
IDC Error ellipse: s-maj=59.1km s-min=13.5km az=60.0.
ISC IV 26 08 03 05.5–.57 7.23N–.06 126.37E–.08 10 4.2b 28 0-143
ISCJB IV 26 08 03 03.9–.47 7.37N–.04 126.51E–.05 10 4.1b ¶12936239
IDC IV 26 08 03 04.0–.55 7.36N 126.40E 0 4.2,4.1
MAN IV 26 08 03 06 7.19N 126.41E 29 4.8b,3.8s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.1km az=166.5.
IDC Error ellipse: s-maj=15.7km s-min=12.4km az=82.0.
IDC IV 26 13 17 10.4–2.0 5.50N 123.39E 0 3.8,3.6 ¶16154519
IDC Error ellipse: s-maj=150.6km s-min=25.6km az=66.0.
MAN IV 26 22 24 27 7.26N 124.75E 4 4.3b,3.1L ¶14717434
MAN IV 26 22 57 10 9.83N 125.42E 39 4.3b,3.2L ¶14717435
MAN Event type fe. INTENSITY II - SURIGAO CITY.
MAN IV 28 21 21 06 9.84N 125.39E 17 4.2b,3.0L ¶14717460
ISC IV 28 22 53 20.9–.86 5.8N–.10 125.4E–.20 62 3.8b 9 1-98
IDC IV 28 22 53 12.9–.98 5.72N 125.20E 0 4.0,3.8 ¶16154599
ISC Event type ke.
IDC Error ellipse: s-maj=54.1km s-min=15.1km az=85.0.
MAN IV 29 02 53 26 9.52N 126.02E 17 4.4b,3.2L ¶14717467
MAN V 01 09 17 51 8.07N 122.33E 1 3.6b,2.3L ¶14717483
ISC V 01 11 54 06.5–1.1 5.3N–.20 126.4E–.30 100 3.8b 11 3-150
ISCJB V 01 11 54 04.5–1.4 5.3N–.20 126.5E–.30 100 3.7b ¶16154706
IDC V 01 11 54 05.3–9.2 5.13N 125.78E 86–77 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=55.9km s-min=10.6km az=150.9.
IDC Error ellipse: s-maj=103.6km s-min=22.2km az=65.0.
IDC V 02 00 20 48.6–1.5 5.30N 126.46E 0 3.6,3.5 ¶16154821
IDC Error ellipse: s-maj=157.8km s-min=19.3km az=68.0.
MAN V 03 11 10 45 7.35N 124.35E 37 3.8b,2.6L ¶14717486
MAN V 03 17 25 40 7.33N 124.36E 41 4.4b,3.2L ¶14717488
ISC V 03 23 20 18.1–.37 7.58N–.03 124.32E–.03 21–2 4.3b,3.5s 112 0-144
IDC V 03 23 20 14.5–.48 7.48N 124.25E 0 4.4,4.4 ¶15154077
ISCJB V 03 23 20 18.0–.63 7.53N–.03 124.30E–.03 32–5 4.2b,3.4s
MAN V 03 23 20 18 7.64N 124.31E 22 5.2b,4.4s
NEIC V 03 23 20 20.5–1.6 7.50N 124.41E 44–15 4.4b,4.4s
BJI V 03 23 20 23.2 7.80N 124.80E 60 4.9b,4.7s
AUST V 03 23 20 28.5–3.1 6.33N 125.23E 16–0 4.9b,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=17.6km s-min=10.2km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.9km az=44.2.
MAN Event type fe. INTENSITY III - COTABATO CITY.
NEIC Event type fe. Error ellipse: s-maj=14.1km s-min=6.6km az=72.0. Felt [III PIVS] at Cotabato.
AUST Error ellipse: s-maj=2.3km s-min=1.0km az=289.0.
MAN V 04 16 04 42 9.21N 125.48E 2 4.0b,2.7L ¶14717492
MAN V 05 03 42 39 7.42N 124.33E 30 3.8b,2.5L ¶14717494
ISC V 05 17 38 40.4–.65 6.61N–.07 125.92E–.10 150 3.9b 29 0-59
MAN V 05 17 38 38 6.63N 126.01E 156 4.7b,3.6L ¶15154118
IDC V 05 17 38 39.9–.58 6.52N 125.63E 158–3 3.5,3.5
ISCJB V 05 17 38 39.4–.43 6.65N–.05 126.09E–.08 150 3.7b,3.5
AUST V 05 17 38 59.7–7.6 5.06N 126.23E 197–1 3.7b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=11.9km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=5.5km az=150.4.
AUST Error ellipse: s-maj=5.9km s-min=2.2km az=352.0.
ISC V 05 20 09 48.4–1.1 5.8N–.10 126.4E–.20 127 3.3b 13 1-157
IDC V 05 20 09 33.3–2.1 5.98N 126.24E 0 3.6,3.4 ¶13678405
ISCJB V 05 20 09 46.9–.94 5.81N–.09 126.5E–.20 127 3.2b,3.4
MAN V 05 20 09 48 5.75N 126.17E 149 4.8b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=128.7km s-min=24.1km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=24.5km s-min=7.5km az=152.5.
MAN V 06 12 33 11 7.37N 124.35E 41 4.2b,3.0L ¶14717498
MAN V 06 19 45 58 7.90N 125.83E 30 4.1b,3.0L ¶14717499
IDC V 09 15 32 16.8–2.3 6.84N 126.95E 0 3.5,3.3 ¶16155550
IDC Error ellipse: s-maj=209.7km s-min=26.5km az=66.0.
MAN V 09 22 12 04 8.02N 123.19E 36 3.7b,2.4L ¶14717508
IDC V 10 20 20 55.9–3.0 9.11N 126.48E 0 3.6,3.5 ¶16155602
IDC Error ellipse: s-maj=277.7km s-min=22.0km az=67.0.
ISC V 10 20 27 57.5–1.0 9.24N–.09 126.9E–.10 38 3.6b 15 1-94
IDC V 10 20 27 51.7–1.2 9.21N 126.69E 0 3.8,3.7b ¶13678701
ISCJB V 10 20 27 55.4–.89 9.25N–.09 126.95E–.08 38 3.6b,3.7b
MAN V 10 20 28 08 9.14N 125.83E 21 4.6b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=74.8km s-min=22.0km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=8.0km az=37.9.
MAN V 11 02 45 26 9.59N 126.42E 103 4.3b,3.1L ¶14717512
MAN V 12 00 24 34 7.20N 123.41E 31 3.9b,2.7L ¶14717515
MAN V 12 16 14 12 8.14N 123.39E 12 3.9b,2.7L ¶14717518
ISC V 12 16 16 20.5–1.6 9.16N–.04 126.43E–.08 28–12 4.1s,3.8b 26 2-89
IDC V 12 16 16 15.0–1.2 9.33N 127.01E 0 4.4L,4.1s ¶13678824
MAN V 12 16 16 22 9.03N 126.10E 3 4.9b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=59.0km s-min=15.6km az=75.0.
ISC V 15 05 53 15.7–1.6 8.99N–.05 126.2E–.10 78–16 3.8b 23 2-81
IDC V 15 05 53 05.9–.81 9.07N 126.37E 0 4.0,3.9 ¶13678974
MAN V 15 05 53 14 8.90N 126.28E 31 4.8b,3.8s
ISCJB V 15 05 53 15.5–1.0 8.97N–.05 126.2E–.10 98–10 3.8b,3.8s
ISC Event type ke.
ISCJB Event type ke.
IDC V 17 00 45 05.5–4.3 5.97N 126.86E 110–33 3.6,3.5 ¶16155826
IDC Error ellipse: s-maj=100.9km s-min=14.7km az=68.0.
MAN V 17 10 36 00 7.18N 126.67E 57 4.4b,3.2L ¶14717525
MAN V 17 11 37 01 9.32N 126.14E 25 4.2b,3.0L ¶14717526
IDC V 19 12 06 01.4–2.2 5.95N 125.36E 0 3.7,3.5 ¶16155906
IDC Error ellipse: s-maj=144.7km s-min=25.2km az=68.0.
ISC V 21 05 43 42.5–1.9 7.88N–.06 126.9E–.10 70–17 4.0b 37 2-122
ISCJB V 21 05 43 41.3–1.4 7.90N–.05 126.9E–.10 77–13 3.9b ¶15154443
MAN V 21 05 43 41 7.72N 126.65E 44 5.3b,4.5s
IDC V 21 05 43 43.5–2.2 7.72N 126.74E 86–20 3.8,3.8
AUST V 21 05 43 47.4–26 6.12N 126.56E 0–0 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=7.3km az=168.0.
IDC Error ellipse: s-maj=26.6km s-min=12.1km az=74.0.
AUST Error ellipse: s-maj=2.1km s-min=1.5km az=278.0.
ISC V 21 05 53 56.5–.49 7.93N–.02 126.91E–.03 33–2 5.5b,5.4s 990 1-171
MAN V 21 05 53 53 7.74N 127.33E 25 6.2b,5.8s ¶13469810
NEIC V 21 05 53 53.7–.13 7.89N 126.90E 14 5.7W,5.6W
ISCJB V 21 05 53 54.8–.12 7.93N–.01 127.05E–.02 33 5.4b,5.4s
MOS V 21 05 53 55.0–.96 7.84N 126.72E 33 5.7b,5.3s
IDC V 21 05 53 57.0–1.1 7.86N 126.80E 35–8 5.3,5.2
DJA V 21 05 53 57.5–.80 8N–5.0 127E–4.0 46–6 6.0,5.9b
AUST V 21 05 53 58.4–.21 7.82N 127.23E 52–0 6.0,5.9b
BJI V 21 05 53 59.1 8.04N 126.69E 60 5.7b,5.5s
GCMT V 21 05 53 59.4–.10 7.79N 127.15E 19–0 5.7W,5.5s
TEH V 21 05 54 00.0 7.83N 127.02E 64 5.9L,5.5s
ISC Event type fe.
MAN Event type fe. INTENSITY IV - HINATUAN SURIGAO DEL SUR; INTENSITY III - MATI; INTENSITY II - DAVAO.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.7km az=77.0. Felt [IV PIVS] at Hinatuan, [III PIVS] at Mati and [II PIVS] at Butuan, Cagayan de Oro, Davao, Manay and Nabunturan. Also felt at Bayugan and Tagum. Moment Tensor Solution. s40 Moment tensor: Scale 10^{17} Nm; M_{rr}2.26 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-3.03 $M_{r\theta}$0.83 $M_{\theta\phi}$1.67 $M_{\phi r}$1.75 Best double couple: NP1:ϕ_s8.00000°,δ65.00000°,λ126.00000°. NP2:ϕ_s128.00000°,δ43.00000°,λ39.00000°. Principal axes: T 3.4600,Plg54.0000°,Azm323.0000°; N 0.5000,Plg31.0000°,Azm170.0000°; P -3.9700,Plg12.0000°,Azm72.0000° M_o3.70000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=0.5.
MOS Error ellipse: s-maj=9.0km s-min=4.1km az=111.6.
IDC Error ellipse: s-maj=12.1km s-min=7.8km az=82.0.
AUST Error ellipse: s-maj=0.7km s-min=0.6km az=44.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=104, comp=218, per= 50. Moment Tensor Solution. s102,c191; s55,c58; Moment tensor: Scale 10^{17}Nm; M_{rr}3.02±.05 $M_{\theta\theta}$0.61±.03; $M_{\phi\phi}$-3.63±.04; $M_{r\theta}$1.57±.10; $M_{\theta\phi}$-0.57±.03; $M_{\phi r}$3.44±.12; Best double couple: NP1:ϕ_s171.00000°,δ23.00000°,λ61.00000°. NP2:ϕ_s21.00000°,δ70.00000°,λ102.00000°. Principal axes: T 4.8400,Plg63.0000°,Azm310.0000°; N 0.4700,Plg11.0000°,Azm197.0000°; P -5.3200,Plg24.0000°,Azm102.0000° M_o5.10000×10^{17}
ISC V 21 15 55 13.4–.27 7.85N–.03 126.88E–.05 35 4.7b,4.1s 252 2-122
DJA V 21 15 55 05.7–3.8 8N–32 128E–12 10 5.5b,5.3 ¶15154442
MAN V 21 15 55 09 7.73N 127.36E 29 5.4b,4.6s
ISCJB V 21 15 55 11.1–.18 7.88N–.02 127.24E–.03 33 4.6b,4.1s
AUST V 21 15 55 11.8–.27 7.92N 127.52E 36–0 4.6b,4.1s
MOS V 21 15 55 11.2–1.1 7.74N 126.72E 33 4.9b,4.1s
NEIC V 21 15 55 13.3–.28 7.78N 126.90E 36 4.7b,4.1s
IDC V 21 15 55 13.1–3.3 7.74N 126.80E 33–25 4.3,4.3
GCMT V 21 15 55 16.5–.30 7.76N 127.28E 17–1 4.9W,4.3
BJI V 21 15 55 20.0 8.11N 126.69E 90 4.9b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=167.0.
AUST Error ellipse: s-maj=1.0km s-min=0.7km az=228.0.
MOS Error ellipse: s-maj=14.7km s-min=6.2km az=111.2.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.4km az=80.0.
IDC Error ellipse: s-maj=19.2km s-min=9.9km az=80.0.
GCMT Event type se. Data Used: II G IU IC. Moment Tensor Solution. s23,c27; s61,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}2.07±.19 $M_{\theta\theta}$0.35±.10; $M_{\phi\phi}$-2.42±.13; $M_{r\theta}$1.29±.33; $M_{\theta\phi}$-0.34±.07; $M_{\phi r}$2.04±.33; Best double couple: NP1:ϕ_s167.00000°,δ26.00000°,λ54.00000°. NP2:ϕ_s26.00000°,δ69.00000°,λ106.00000°. Principal axes: T 3.2700,Plg62.0000°,Azm320.0000°; N 0.1100,Plg15.0000°,Azm200.0000°; P -3.3800,Plg23.0000°,Azm103.0000° M_o3.30000×10^{16}
ISC V 21 16 39 30.6–.83 6.77N–.09 126.62E–.10 10 3.8b 19 0-88
ISCJB V 21 16 39 29.9–.72 6.56N–.09 126.6E–.10 10 3.7b ¶16155997
IDC V 21 16 39 29.5–.81 6.67N 126.62E 0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=6.9km az=138.4.
IDC Error ellipse: s-maj=32.3km s-min=13.6km az=57.0.
ISC V 23 17 41 39.9–1.5 6.0N–.10 125.37E–.09 100–10 3.6b 19 1-89
MAN V 23 17 41 37 5.86N 125.48E 91 4.5b,3.4L ¶13679481
ISCJB V 23 17 41 39.8–.63 6.03N–.06 125.33E–.08 110–5 3.7b,3.4L
IDC V 23 17 41 40.5–.95 5.99N 125.32E 100–7 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=10.0km az=167.5.
IDC Error ellipse: s-maj=30.0km s-min=10.8km az=86.0.
IDC V 23 19 22 56.7–1.9 7.19N 124.16E 511–23 3.1,3.0 ¶16156057
IDC Error ellipse: s-maj=31.4km s-min=9.8km az=68.0.
ISC V 26 08 08 32.7–.38 5.88N–.04 126.77E–.05 83 4.4b 112 2-122
AUST V 26 08 08 25.8 6.50N 126.51E 60 4.4b ¶15155524
ISCJB V 26 08 08 31.6–.26 5.87N–.03 126.86E–.04 83 4.4b
BJI V 26 08 08 31.0 5.30N 126.76E 121 5.0b,4.6b
IDC V 26 08 08 34.5–1.2 5.87N 126.64E 104–10 4.2,4.1
NEIC V 26 08 08 35.2–1.0 5.85N 126.48E 109–9 4.4b,4.1
DJA V 26 08 08 35.6–.60 6N–4.0 127E–5.0 94–11 5.3b,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
MAN V 27 05 43 58 8.51N 124.62E 32 3.8b,2.6L ¶14717547
MAN V 27 05 55 17 8.14N 125.18E 1 4.2b,3.0L ¶14717548
MAN V 27 09 29 43 8.98N 123.18E 20 4.6b,3.5s ¶14717549
MAN V 27 10 36 23 8.78N 122.73E 1 4.4b,3.2L ¶14717550
ISC V 29 19 51 18.0–.20 5.92N–.02 125.87E–.03 162–1 5.4b 1142 1-171
BJI V 29 19 51 12.1 5.27N 126.01E 164 5.1b,5.1b ¶15155586
ISCJB V 29 19 51 17.7–.22 5.94N–.01 125.92E–.02 172–2 5.4b,5.1b
MAN V 29 19 51 17 5.86N 125.90E 170 6.1b,5.8s

MOS V 29 19 51 17.0–1.0 5.93N 125.69E 163 5.4b,4.5s
IDC V 29 19 51 18.2–.32 5.90N 125.65E 159–2 5.0,5.0
NEIC V 29 19 51 18.0–.14 5.93N 125.78E 160 5.7W,5.5b
GCMT V 29 19 51 19.1–.10 5.86N 125.96E 147–0 5.7W,5.5b
DJA V 29 19 51 19.4–.30 6N–2.0 126E–2.0 168–3 6.6,6.2b
AUST V 29 19 51 21.4–.24 5.80N 125.96E 189–0 6.6,6.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=170.2.
MAN Event type fe. INTENSITY III - DAVAO CITY; INTENSITY II - GENERAL SANTOS CITY.
MOS Error ellipse: s-maj=8.7km s-min=4.5km az=113.8.
IDC Error ellipse: s-maj=9.5km s-min=4.9km az=74.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.9km az=70.0. Felt [III PIVS] at Davao, [II PIVS] at General Santos and [I PIVS] at Kidapawan. Also felt at Banga, Buhangin and Dadiangas.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=114, comp=209, per= 50. Moment Tensor Solution. s108,c199; s42,c49; Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.05 $M_{\theta\theta}$2.42±.06; $M_{\phi\phi}$-3.23±.06; $M_{r\theta}$-1.61±.04; $M_{\theta\phi}$-2.77±.06; $M_{\phi r}$2.68±.04; Best double couple: NP1:ϕ_s244.00000°,δ52.00000°,λ170.00000°. NP2:ϕ_s340.00000°,δ82.00000°,λ39.00000°. Principal axes: T 5.1400,Plg32.0000°,Azm209.0000°; N -0.0900,Plg51.0000°,Azm350.0000°; P -5.0500,Plg20.0000°,Azm106.0000° $M_0$5.10000×10^{17}
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=27.0.
ISC V 30 20 15 07.4–.30 6.74N–.03 126.58E–.04 77–2 4.9b 473 0-170
MAN V 30 20 14 49 5.54N 126.95E 67 5.2b,4.3s **¶15155607**
MOS V 30 20 15 00.7–1.2 6.77N 126.50E 33 5.4b,4.3s
BJI V 30 20 15 03.9 6.40N 126.57E 79 5.0b,4.9b
NEIC V 30 20 15 04.7–.18 6.78N 126.46E 55 4.8b,4.9b
ISCJB V 30 20 15 04.7–.36 6.78N–.02 126.56E–.03 67–3 4.8b,4.9b
IDC V 30 20 15 05.0–.73 6.74N 126.43E 56–6 4.6,4.6
AUST V 30 20 15 06.3–.02 6.77N 126.56E 76–0 4.6,4.6
DJA V 30 20 15 07.2–.50 7N–4.0 127E–3.0 59–4 5.6,5.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC V 31 02 48 54.3–.86 5.84N–.09 124.6E–.10 400 3.6b 22 1-120
DJA V 31 02 48 04.3–8.9 9N–46 128E–70 373–36 5.5b,4.9 **¶16066103**
ISCJB V 31 02 48 53.3–.66 5.78N–.07 124.6E–.10 400 3.5b,4.9
IDC V 31 02 48 54.8–.77 5.82N 124.72E 405–9 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=9.8km az=7.4.
IDC Error ellipse: s-maj=37.2km s-min=13.3km az=70.0.
IDC V 31 03 44 52.5–40 7.59N 125.76E 0 4.0,3.8
¶16066104
IDC Error ellipse: s-maj=674.5km s-min=176.4km az=160.0.
ISC V 31 13 50 37.6–1.3 8.10N–.05 126.65E–.09 67–11 4.0b 54 1-119
MAN V 31 13 50 34 8.01N 126.81E 77 5.0b,4.0s **¶13680036**
ISCJB V 31 13 50 36.4–.84 8.12N–.04 126.69E–.07 71–7 3.9b,4.0s
IDC V 31 13 50 38.2–2.0 8.13N 126.51E 70–18 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.1km az=168.8.
IDC Error ellipse: s-maj=24.2km s-min=11.8km az=76.0.
ISC V 31 15 35 47.0–1.1 7.29N–.06 126.7E–.10 50 3.3b 15 1-55
ISCJB V 31 15 35 45.8–.92 7.29N–.06 126.74E–.08 50 3.4b **¶14717557**
MAN V 31 15 35 46 7.32N 126.69E 41 4.6b,3.5L
IDC V 31 15 36 16.3–2.0 3.04N 126.74E 0 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=6.5km az=153.6.
IDC Error ellipse: s-maj=179.9km s-min=23.5km az=65.0.
ISC V 31 19 45 59.7–1.4 9.27N–.04 126.53E–.08 64–12 4.1b 66 1-121
MAN V 31 19 45 54 9.24N 126.56E 1 5.1b,4.2s **¶13680055**
ISCJB V 31 19 45 58.3–.74 9.28N–.04 126.56E–.06 69–6 4.1b,4.2s
IDC V 31 19 46 02.8–1.6 9.23N 126.42E 92–15 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.8km az=170.1.
IDC Error ellipse: s-maj=21.5km s-min=9.8km az=82.0.
ISC VI 03 14 53 18.0–1.3 7.90N–.05 121.66E–.05 28 16 1-6
ISCJB VI 03 14 53 16.7–.51 7.92N–.04 121.64E–.04 28 **¶14717634**
MAN VI 03 14 53 17 8.04N 121.66E 23 4.6b,3.5s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.0km az=143.6.
MAN VI 03 22 53 01 7.08N 126.45E 26 4.5b,3.4L
¶14717635
MAN VI 04 03 35 32 8.44N 122.23E 29 4.4b,3.2L
¶14717670
MAN VI 04 06 35 18 9.00N 121.72E 22 4.6b,3.5s
¶14717671
ISC VI 04 14 26 51.2–1.8 5.3N–.10 125.10E–.08 65–20 3.5b 18 2-84
MAN VI 04 14 26 46 8.07N 126.27E 196 4.5b,3.3L **¶16100948**
ISCJB VI 04 14 26 50.4–1.2 5.37N–.09 125.07E–.07 78–14 3.6b,3.3L
IDC VI 04 14 26 53.0–2.0 5.39N 125.30E 83–18 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=11.7km az=24.7.
IDC Error ellipse: s-maj=46.8km s-min=13.7km az=84.0.
MAN VI 05 16 34 58 8.71N 126.06E 28 3.9b,2.6L
¶14717703
IDC VI 06 21 34 43.5–2.4 5.74N 123.41E 0 3.7,3.5
¶16101030
IDC Error ellipse: s-maj=292.7km s-min=25.0km az=63.0.
MAN VI 07 01 20 19 9.59N 126.25E 42 4.6b,3.5s
¶14717769
ISC VI 07 18 42 00.7–.92 6.2N–.10 126.6E–.20 127 3.6b 16 1-122
IDC VI 07 18 41 45.5–1.3 6.29N 126.29E 0 3.8,3.6 **¶13680799**
ISCJB VI 07 18 41 58.9–.87 6.2N–.10 126.7E–.10 127 3.5b,3.6
MAN VI 07 18 42 02 5.96N 126.11E 141 4.8b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=115.7km s-min=18.4km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=24.7km s-min=8.4km az=141.1.
IDC VI 08 00 34 23.4–2.3 6.37N 126.25E 0 3.7,3.5
¶16101082
IDC Error ellipse: s-maj=142.8km s-min=26.3km az=68.0.
ISC VI 08 14 51 33.4–1.1 6.8N–.10 126.31E–.10 43–8 3.8b 18 0-122
IDC VI 08 14 51 29.8–.91 6.37N 124.95E 0 3.9,3.8 **¶13680903**
ISCJB VI 08 14 51 32.4–.87 6.85N–.10 126.35E–.09 51–5 3.7b,3.3s
MAN VI 08 14 51 33 6.79N 126.23E 34 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=11.0km az=128.0.
ISCJB Event type ke. Error ellipse: s-maj=20.6km s-min=9.9km az=42.6.
ISC VI 09 02 28 31.7–1.8 6.52N–.07 124.67E–.04 7–11 4.0b,3.1s 27 1-88
IDC VI 09 02 28 31.1–.97 6.53N 124.51E 0 4.1,4.0b **¶13681015**
MAN VI 09 02 28 32 6.45N 124.67E 20 5.1b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=21.4km s-min=13.9km az=167.0.
MAN Event type fe. INTESITY IV - KORONADAL CITY SOUTH COTABATO; INTENSITY II - SURALLAH SOUTH COTABATO; GENERAL SANTOS.
IDC VI 09 06 52 48.0–8.9 7.58N 126.52E 131–81 3.6,3.5
¶16101137
IDC Error ellipse: s-maj=50.3km s-min=19.2km az=65.0.
MAN VI 10 10 39 25 5.61N 126.05E 104 4.0b,2.7L
¶14717864
MAN VI 11 21 01 46 9.23N 126.13E 25 4.4b,3.2L
¶14717904
ISC VI 13 19 49 25.1–1.0 6.31N–.06 127.0E–.10 94–10 3.9b 34 1-122
IDC VI 13 19 49 21.1–3.9 6.38N 127.04E 57–33 3.9,3.9L **¶15156072**
MAN VI 13 19 49 24 6.23N 126.89E 77 4.9b,3.9s
ISCJB VI 13 19 49 25.6–.82 6.27N–.05 126.8E–.10 110–8 3.8b,3.9s
AUST VI 13 19 49 25.2 6.50N 127.01E 100 3.8b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=11.4km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=18.7km s-min=7.7km az=164.3.
ISC VI 14 05 58 44.8–.25 5.34N–.02 126.50E–.03 47–1 5.8b,5.7s 1281 2-170
BJI VI 14 05 58 40.8 5.05N 126.54E 49 6.2b,5.9s **¶13469967**
AUST VI 14 05 58 40.8–1.5 5.19N 126.68E 5–0 6.2b,5.9s

MOS VI 14 05 58 42.5–1.1 5.41N 126.37E 39 6.0b,5.6s
IDC VI 14 05 58 42.3–1.3 5.30N 126.27E 28–7 5.6,5.5
NEIC VI 14 05 58 43.3–.11 5.36N 126.44E 35 6.1W,6.0W
ISCJB VI 14 05 58 46.0–.34 5.37N–.02 126.53E–.02 75–2 5.7b,6.0W
DJA VI 14 05 58 47.3–.30 5N–2.0 127E–2.0 54–3 6.6,6.2b
GCMT VI 14 05 58 48.8–.10 5.32N 126.60E 37–0 6.1W,6.2b
TEH VI 14 05 58 48.0 5.36N 126.41E 76 6.3L,6.2b
ISC Event type fe.
AUST Error ellipse: s-maj=0.9km s-min=0.6km az=40.0.
MOS Error ellipse: s-maj=8.5km s-min=4.5km az=114.7.
IDC Error ellipse: s-maj=14.0km s-min=6.7km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.3km az=73.0. Felt [II PIVS] at Davao and General Santos. Also felt at Governor Generoso. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s54 Moment tensor: Scale 10^{18}Nm; M_{rr}0.90 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-1.31 $M_{r\theta}$0.38 $M_{\theta\phi}$0.21 $M_{\phi r}$0.28 Best double couple: NP1:ϕ_s19.00000°,δ57.00000°,λ125.00000°. NP2:ϕ_s146.00000°,δ46.00000°,λ48.00000°. Principal axes: T 1.1500,Plg60.0000°,Azm343.0000°; N 0.2000,Plg28.0000°,Azm177.0000°; P -1.3600,Plg6.0000°,Azm84.0000° $M_0$1.30000×10^{18} Moment Tensor Solution. $M_0$2.40000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=167.5.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=127, comp=283, per= 50. Moment Tensor Solution. s118,c272; s90,c140; Moment tensor: Scale 10^{18}Nm; M_{rr}1.35±.01 $M_{\theta\theta}$0.49±.01; $M_{\phi\phi}$-1.84±.01; $M_{r\theta}$0.86±.02; $M_{\theta\phi}$-0.07±.01; $M_{\phi r}$0.64±.02; Best double couple: NP1:ϕ_s154.00000°,δ41.00000°,λ44.00000°. NP2:ϕ_s28.00000°,δ63.00000°,λ122.00000°. Principal axes: T 1.9500,Plg12.0000°,Azm96.0000° $M_0$2.00000×10^{18}
ISC VI 14 06 06 36.3–1.1 5.5N–.10 126.6E–.20 66 4.2b 13 2-89
IDC VI 14 06 06 26.8–1.1 6.01N 127.41E 0 4.3,4.2 **¶16101304**
ISCJB VI 14 06 06 34.7–.92 5.36N–.10 126.5E–.20 66 4.1b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC VI 14 06 44 25.2–1.7 5.50N 126.25E 0 3.8,3.7
¶16101305
IDC Error ellipse: s-maj=158.9km s-min=19.7km az=65.0.
ISC VI 14 08 15 56.5–.29 5.40N–.03 126.56E–.04 55–1 5.2b,4.6s 575 2-170
MAN VI 14 08 15 45 4.94N 126.98E 15 5.7b,5.1s **¶13546703**
AUST VI 14 08 15 49.6–2.3 5.49N 126.90E 7–0 5.7b,5.1s
BJI VI 14 08 15 51.8 4.94N 126.63E 56 5.2b,5.1b
MOS VI 14 08 15 52.3–1.2 5.37N 126.32E 33 5.5b,4.6s
NEIC VI 14 08 15 54.1–.15 5.39N 126.51E 35 5.2b,4.6s
IDC VI 14 08 15 55.7–1.2 5.35N 126.37E 48–10 4.7,4.7
ISCJB VI 14 08 15 55.3–.40 5.37N–.02 126.58E–.03 63–3 5.2b,4.7
DJA VI 14 08 15 56.2–1.1 5N–4.0 127E–3.0 31–9 5.8,5.5b
GCMT VI 14 08 15 56.2–.20 5.32N 126.66E 36–1 5.4W,5.5b
ISC Event type se.
AUST Error ellipse: s-maj=1.3km s-min=0.7km az=226.0.
MOS Error ellipse: s-maj=12.4km s-min=5.3km az=112.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=71.0.
IDC Error ellipse: s-maj=20.4km s-min=8.3km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.9km az=165.6.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s61,c83; s91,c153; Moment tensor: Scale 10^{17}Nm; M_{rr}0.71±.06 $M_{\theta\theta}$1.12±.04; $M_{\phi\phi}$-1.83±.04; $M_{r\theta}$0.43±.05; $M_{\theta\phi}$-0.17±.03; $M_{\phi r}$0.85±.06; Best double couple: NP1:ϕ_s140.00000°,δ50.00000°,λ17.00000°. NP2:ϕ_s39.00000°,δ77.00000°,λ139.00000°. Principal axes: T 1.4300,Plg38.0000°,Azm351.0000°; N 0.6900,Plg47.0000°,Azm205.0000°; P -2.1100,Plg17.0000°,Azm95.0000° $M_0$1.80000×10^{17}
IDC VI 14 08 57 56.5–1.4 5.38N 126.43E 0 3.9,3.8
¶16101310
IDC Error ellipse: s-maj=103.3km s-min=17.7km az=69.0.
IDC VI 14 09 33 50.0–2.5 5.48N 126.34E 0 3.4,3.2
¶16101312
IDC Error ellipse: s-maj=208.1km s-min=28.0km az=66.0.
ISC VI 14 09 55 27.2–.54 5.32N–.07 126.2E–.10 66 4.2b 47 2-151
IDC VI 14 09 55 18.6–.59 5.35N 126.22E 0 4.2,4.1 **¶13681348**
NEIC VI 14 09 55 23.9–.34 5.30N 126.11E 35 4.1b,4.1
ISCJB VI 14 09 55 25.6–.44 5.30N–.05 126.2E–.10 66 4.0b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 14 10 25 55.8–2.3 5.46N 126.30E 0 3.6,3.4
¶16101314
IDC Error ellipse: s-maj=178.2km s-min=26.9km az=66.0.
IDC VI 14 13 56 38.8–2.0 5.86N 126.93E 0 3.7,3.5
¶16101320
IDC Error ellipse: s-maj=172.8km s-min=25.0km az=67.0.
ISC VI 14 16 22 53.8–.68 5.21N–.07 126.3E–.10 71 4.0b 24 2-122
ISCJB VI 14 16 22 52.3–.55 5.21N–.06 126.4E–.10 71 3.8b **¶16101325**
IDC VI 14 16 22 52.3–1.6 5.23N 126.30E 56–14 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.2km s-min=6.9km az=161.1.
IDC Error ellipse: s-maj=35.6km s-min=10.3km az=73.0.
ISC VI 14 16 32 16.7–1.1 5.12N–.09 126.3E–.20 66 3.5b 9 2-59
IDC VI 14 16 32 06.5–1.7 5.57N 126.81E 0 3.7,3.5 **¶16101326**
ISCJB VI 14 16 32 14.7–.90 5.3N–.10 126.4E–.20 66 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC VI 14 16 42 09.0–.69 5.16N–.08 126.3E–.10 66 3.9b 22 2-122
ISCJB VI 14 16 42 07.5–.57 5.21N–.08 126.4E–.10 66 3.7b **¶16101327**
IDC VI 14 16 42 09.8–1.7 5.30N 126.38E 74–14 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.6km s-min=7.1km az=157.7.
IDC Error ellipse: s-maj=40.2km s-min=11.5km az=71.0.
ISC VI 14 18 24 23.8–.33 5.32N–.03 126.39E–.05 59–2 4.7b,4.1s 297 2-162
AUST VI 14 18 24 16.3–3.3 5.44N 126.81E 1–0 4.7b,4.1s **¶15156094**
MAN VI 14 18 24 18 4.96N 126.55E 48 5.5b,4.8s
NEIC VI 14 18 24 19.3–.24 5.39N 126.42E 25 4.9b,4.8s
ISCJB VI 14 18 24 22.9–.41 5.28N–.02 126.39E–.03 71–3 4.6b,4.8s
BJI VI 14 18 24 22.0 5.25N 126.27E 62 5.0b,4.9b
DJA VI 14 18 24 24.6–1.6 5N–4.0 127E–4.0 34–17 5.4b,5.4
GCMT VI 14 18 24 24.9–.30 5.18N 126.34E 24 5.1W,5.4
IDC VI 14 18 24 24.6–1.2 5.29N 126.34E 68–10 4.3,4.2
ISC Event type se.
AUST Error ellipse: s-maj=1.5km s-min=0.8km az=232.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.8km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.5km az=160.2.
GCMT Event type se. Data Used: II IC G IU. Moment Tensor Solution. s34,c38; s55,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}1.44±.31 $M_{\theta\theta}$1.73±.17; $M_{\phi\phi}$-3.18±.20; $M_{r\theta}$2.94±.24; $M_{\theta\phi}$-0.65±.11; $M_{\phi r}$4.46±.29; Best double couple: NP1:ϕ_s148.00000°,δ22.00000°,λ25.00000°. NP2:ϕ_s35.00000°,δ81.00000°,λ110.00000°. Principal axes: T 5.5300,Plg50.0000°,Azm326.0000°; N 0.9100,Plg19.0000°,Azm211.0000°; P -6.4600,Plg33.0000°,Azm108.0000° $M_0$6.00000×10^{16}
IDC Error ellipse: s-maj=19.8km s-min=8.2km az=76.0.
ISC VI 14 20 54 06.8–.43 5.36N–.05 126.37E–.08 66 4.2b 86 2-151
MAN VI 14 20 53 56 4.76N 126.76E 51 4.9b,3.8s **¶13681383**
BJI VI 14 20 53 57.5 5.60N 127.00E 10 5.0b,4.6b
DJA VI 14 20 54 04.8–.50 5N–5.0 126E–5.0 10 5.4b,5.0b
ISCJB VI 14 20 54 05.1–.31 5.37N–.04 126.38E–.06 66 4.0b,5.0b
NEIC VI 14 20 54 06.8–1.5 5.37N 126.29E 69–13 4.3b,5.0b
IDC VI 14 20 54 07.2–1.4 5.31N 126.21E 70–12 4.3s,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.6km az=160.5.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=8.2km az=75.0.
IDC Error ellipse: s-maj=27.8km s-min=9.7km az=73.0.
ISC VI 14 21 08 27.5–.29 5.42N–.03 126.50E–.04 64–2 5.3b 725 2-170
NSSC VI 14 21 08 17.8–1.5 17.13N 135.42E 0–999 5.3b **¶15156096**
AUST VI 14 21 08 18.4–2.1 5.46N 126.88E 0–0 5.3b
MOS VI 14 21 08 21.8–1.1 5.39N 126.31E 33 5.5b,4.4s
IDC VI 14 21 08 23.8–1.4 5.35N 126.29E 32–10 4.9,4.9
BJI VI 14 21 08 23.0 5.11N 126.60E 63 5.1b,5.1b
MAN VI 14 21 08 24 5.17N 126.37E 43 5.7b,5.2s
DJA VI 14 21 08 25.2–.50 6N–3.0 127E–3.0 47–4 5.8,5.6b

GCMT VI 14 21 08 26.8–.20 5.30N 126.59E 25–0 5.3W,5.6b
NEIC VI 14 21 08 26.7–.71 5.38N 126.42E 61–6 5.2b,5.6b
ISCJB VI 14 21 08 26.2–.33 5.39N–.02 126.56E–.03 74–3 5.2b,5.6b
ISC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s66,c98; s87,c150; Moment tensor: Scale 10^{17}Nm; M_{rr}0.17±.02 $M_{\theta\theta}$0.24±.01; $M_{\phi\phi}$-0.41±.01; $M_{r\theta}$0.23±.04; $M_{\theta\phi}$-0.15±.01; $M_{\phi r}$1.27±.06; Best double couple: NP1:ϕ_s200.00000°,δ7.00000°,λ100.00000°. NP2:ϕ_s10.00000°,δ83.00000°,λ89.00000°. Principal axes: T 1.1900,Plg52.0000° ,Azm279.0000°; N 0.2700,Plg1.0000°,Azm10.0000°; P -1.4600,Plg38.0000°,Azm101.0000° M_o1.30000×10^{17}
NEIC Event type se.
ISCJB Event type se.
ISC VI 14 21 22 36.5–.50 5.42N–.04 126.61E–.07 44–3 4.5b,4.3s 147 2-167
BJI VI 14 21 22 29.9 4.75N 126.74E 46 5.1b,4.7b **¶13077651**
NEIC VI 14 21 22 37.9–1.2 5.37N 126.35E 57–10 4.6b,4.7b
ISCJB VI 14 21 22 37.9–.68 5.36N–.03 126.52E–.06 73–5 4.4b,4.7b
IDC VI 14 21 22 38.9–1.8 5.27N 126.14E 63–15 4.4s,4.4
MAN VI 14 21 22 43 5.93N 126.44E 93 5.3b,4.5s
DJA VI 14 21 22 48.3–.60 5N–5.0 127E–7.0 128–6 5.2b,4.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 15 02 49 01.6–2.1 5.31N 126.22E 0 3.7,3.6
¶16101341
IDC Error ellipse: s-maj=211.8km s-min=22.1km az=66.0.
IDC VI 15 05 10 11.7–2.2 5.52N 126.54E 0 3.8,3.6
¶16101345
IDC Error ellipse: s-maj=180.8km s-min=25.8km az=65.0.
IDC VI 15 08 26 27.1–2.6 5.33N 126.61E 64–23 3.8,3.7
¶16101351
IDC Error ellipse: s-maj=52.2km s-min=12.8km az=75.0.
ISC VI 15 09 39 30.3–1.0 5.3N–.20 126.3E–.30 66 3.9b 10 2-89
IDC VI 15 09 39 21.2–1.3 5.47N 126.50E 0 4.0,3.9 **¶16101353**
ISC Event type ke.
IDC Error ellipse: s-maj=93.0km s-min=20.4km az=71.0.
ISC VI 15 11 36 17.8–.81 5.34N–.09 126.7E–.20 66 4.0b 17 2-89
IDC VI 15 11 36 09.8–1.1 5.33N 126.15E 0 4.1,4.0 **¶13681419**
MAN VI 15 11 36 13 5.09N 126.66E 33 5.0b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=73.9km s-min=15.5km az=72.0.
IDC VI 15 12 34 14.1–1.9 5.52N 126.15E 0 3.6,3.4
¶16101363
IDC Error ellipse: s-maj=113.2km s-min=24.0km az=69.0.
ISC VI 15 12 45 36.3–.74 5.25N–.07 126.4E–.10 66 3.9b 22 2-150
IDC VI 15 12 45 28.1–.78 5.25N 125.77E 0 3.9,3.8 **¶13681424**
ISCJB VI 15 12 45 34.9–.63 5.24N–.06 126.34E–.09 66 3.8b,3.8
MAN VI 15 12 45 35 5.50N 126.20E 2 4.7b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=58.0km s-min=15.8km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.5km az=156.2.
ISC VI 15 12 55 49.2–.79 5.25N–.08 126.5E–.20 66 3.7b 15 2-89
IDC VI 15 12 55 40.6–1.2 5.33N 126.39E 0 4.0,3.9 **¶13681425**
MAN VI 15 12 55 42 4.87N 126.61E 24 5.2b,4.3s
ISCJB VI 15 12 55 47.9–.66 5.21N–.07 126.5E–.20 66 3.8b,4.3s
ISC Event type ke.
ISCJB Event type ke.
IDC VI 15 13 03 40.2–2.0 5.16N 125.87E 0 3.5,3.4
¶16101364
IDC Error ellipse: s-maj=121.4km s-min=24.0km az=69.0.
MAN VI 15 13 07 52 7.37N 124.49E 31 3.8b,2.6L
¶14718004
ISC VI 15 14 03 25.5–1.4 5.3N–.20 126.5E–.40 66 3.5b 7 3-56
IDC VI 15 14 03 16.6–2.2 5.49N 126.62E 0 3.6,3.5 **¶16101366**
ISC Event type ke.
IDC Error ellipse: s-maj=135.8km s-min=25.1km az=69.0.
ISC VI 15 15 57 07.5–1.6 5.27N–.09 126.4E–.10 81–14 4.0b 29 2-122
IDC VI 15 15 56 57.7–.75 5.26N 126.01E 0 4.0,3.9 **¶13681434**
MAN VI 15 15 57 02 5.25N 126.32E 5 5.0b,4.0s
ISCJB VI 15 15 57 06.1–1.0 5.23N–.07 126.33E–.10 85–10 3.8b,4.0s
ISC Event type ke.
ISCJB Event type ke.
ISC VI 15 16 53 54.2–1.3 5.4N–.10 126.5E–.20 66 3.3b 8 2-56
IDC VI 15 16 53 46.0–2.6 5.32N 126.04E 0 3.5,3.3 **¶13681437**
MAN VI 15 16 53 50 5.27N 126.33E 11 4.6b,3.5L
ISCJB VI 15 16 53 52.8–.93 5.22N–.07 126.3E–.20 66 3.2b,3.5L
ISC Event type ke.
ISCJB Event type ke.
ISC VI 15 17 41 37.6–1.7 5.4N–.10 126.4E–.10 100–15 3.9b 22 2-89
IDC VI 15 17 41 24.2–.97 6.23N 128.06E 0 4.4L,4.0 **¶13681439**
MAN VI 15 17 41 30 5.25N 126.35E 4 5.0b,4.1s
ISCJB VI 15 17 41 36.9–1.0 5.40N–.10 126.4E–.10 112–9 3.9b,4.1s
ISC Event type ke.
ISCJB Event type ke.
MAN VI 16 03 45 24 8.58N 122.83E 32 3.6b,2.3L
¶14718025
IDC VI 16 16 15 47.3–32 5.68N 125.92E 0 3.7,3.5b
¶16101410
IDC Error ellipse: s-maj=544.0km s-min=104.0km az=154.0.
IDC VI 16 18 37 57.0–2.5 5.28N 126.25E 0 3.5,3.3
¶16101413
IDC Error ellipse: s-maj=203.9km s-min=28.0km az=66.0.
ISC VI 17 08 55 50.8–1.5 7.44N–.03 126.22E–.05 7–9 4.3b,4.0s 109 0-121
AUST VI 17 08 55 47.7–10 7.48N 125.97E 0–0 4.3b,4.0s **¶15156175**
IDC VI 17 08 55 49.2–.49 7.45N 126.31E 0 4.4,4.3
ISCJB VI 17 08 55 49.1–1.1 7.43N–.03 126.37E–.04 9–6 4.4b,4.0s
NEIC VI 17 08 55 50.9–.23 7.42N 126.26E 10 4.7b,4.0s
MAN VI 17 08 55 51 7.34N 126.23E 13 4.9b,4.0s
DJA VI 17 08 56 06.3–.80 7N–6.0 126E–4.0 10 5.4b,5.0
ISC Event type ke.
ISCJB Event type fe.
NEIC Event type fe. Felt [III PIVS] at Compostela and Nabunturan; [II PIVS] at Tagum and [I PIVS] at Mati.
MAN Event type fe. Intensity III - Nabunturan.
ISC VI 17 15 57 43.9–1.1 6.7N–.10 126.1E–.10 97 3.5b 12 0-55
IDC VI 17 15 57 36.3–1.3 6.17N 124.97E 0 3.8,3.6 **¶13681547**
ISCJB VI 17 15 57 42.6–.81 6.7N–.10 126.0E–.10 97 3.4b,3.6
MAN VI 17 15 57 43 6.58N 126.05E 45 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=11.4km az=112.0.
ISCJB Event type ke. Error ellipse: s-maj=24.0km s-min=9.7km az=143.8.
ISC VI 17 21 09 06.6–.69 5.46N–.08 125.8E–.10 150 3.5b 23 2-121
ISCJB VI 17 21 09 06.5–.60 5.34N–.06 125.9E–.10 150 3.6b **¶13681557**
MAN VI 17 21 09 08 5.52N 125.86E 156 4.5b,3.4L
IDC VI 17 21 09 08.8–.78 5.57N 125.80E 174–6 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=7.2km az=163.4.
IDC Error ellipse: s-maj=36.2km s-min=11.0km az=77.0.
MAN VI 18 00 55 33 6.93N 125.62E 1 4.2b,3.1L
¶14718088
ISC VI 18 05 17 23.1–.30 7.85N–.03 126.91E–.04 40–2 4.8b,4.3s 285 1-163
MAN VI 18 05 17 19 7.83N 127.30E 38 5.5b,4.8s **¶15156190**
BJI VI 18 05 17 19.8 7.75N 126.89E 32 4.9b,4.8b
AUST VI 18 05 17 21.3 7.99N 127.53E 35 4.9b,4.8b
NEIC VI 18 05 17 22.8–.18 7.90N 126.90E 35 4.9b,4.8b
IDC VI 18 05 17 22.9–2.3 7.82N 126.70E 38–19 4.6,4.6
GCMT VI 18 05 17 23.7–.30 7.73N 127.14E 21–1 5.0W,4.6
ISCJB VI 18 05 17 23.9–.53 7.87N–.02 127.00E–.04 62–4 4.8b,4.6
DJA VI 18 05 17 33.1–.40 7N–4.0 127E–3.0 10 5.4b,5.2
ISC Event type fe.
MAN Event type fe. Intensity II - Poblacion.
NEIC Event type fe. Felt [II PIVS] at Tarragona and Tugbok.

GCMT Event type se. Data Used: IU II G IC. Moment Tensor Solution. s28,c31; s60,c79; Moment tensor: Scale 10^{16}Nm; M_{rr}3.56±.28 $M_{\theta\theta}$0.47±.17; $M_{\phi\phi}$-4.03±.19; $M_{r\theta}$0.72±.31; $M_{\theta\phi}$0.22±.12; $M_{\phi r}$1.88±.28; Best double couple: NP1:ϕ_s164.00000°,δ33.00000°,λ69.00000°. NP2:ϕ_s9.00000°,δ59.00000°,λ103.00000°. Principal axes: T 4.1500,Plg73.0000° ,Azm312.0000°; N 0.3200,Plg11.0000°,Azm182.0000°; P -4.4700,Plg13.0000°,Azm89.0000° M_o4.30000×10^{16}
ISCJB Event type fe.
MAN VI 19 03 25 26 7.41N 126.29E 10 4.3b,3.1L
¶14718130
ISC VI 19 04 15 01.5–1.4 7.65N–.05 126.6E–.10 91–12 4.3b 78 1-122
ISCJB VI 19 04 15 00.3–.81 7.66N–.04 126.60E–.08 99–8 4.3b **¶13681638**
IDC VI 19 04 15 00.4–1.9 7.72N 126.61E 80–18 4.2,4.1b
NEIC VI 19 04 15 00.5–1.0 7.70N 126.58E 84–10 4.4b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=5.9km az=173.7.
IDC Error ellipse: s-maj=27.5km s-min=10.2km az=84.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.5km az=76.0.
IDC VI 19 19 37 44.3–.60 5.18N 125.99E 0 4.1,4.0
¶16101511
IDC Error ellipse: s-maj=39.9km s-min=12.3km az=74.0.
IDC VI 19 19 40 55.7–1.1 5.27N 125.96E 0 3.9,3.8
¶16101512
IDC Error ellipse: s-maj=119.7km s-min=16.7km az=70.0.
MAN VI 20 06 07 52 7.37N 124.49E 31 3.8b,2.6L
¶14718160
IDC VI 20 17 12 35.7–1.9 5.41N 125.56E 0 3.7,3.5
¶16101543
IDC Error ellipse: s-maj=116.5km s-min=23.7km az=68.0.
ISC VI 20 17 39 23.2–.63 5.25N–.08 126.3E–.10 66 4.0b 31 2-122
MAN VI 20 17 39 12 4.73N 126.70E 88 4.9b,3.8s **¶13681736**
IDC VI 20 17 39 20.9–1.7 5.14N 125.83E 45–15 4.0,3.9b
ISCJB VI 20 17 39 21.1–.53 5.25N–.07 126.3E–.10 66 3.9b,3.9b
ISC Event type ke.
ISCJB Event type ke.
ISC VI 21 00 53 29.8–.89 5.4N–.10 126.8E–.20 84 3.3b 12 2-84
MAN VI 21 00 53 20 4.81N 126.58E 23 4.4b,3.3L **¶13681749**
ISCJB VI 21 00 53 28.5–.73 5.38N–.10 126.9E–.20 84 3.5b,3.3L
IDC VI 21 00 53 33.0–1.7 5.24N 126.34E 116–16 3.4s,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.8km s-min=7.7km az=156.8.
IDC Error ellipse: s-maj=55.4km s-min=14.5km az=77.0.
IDC VI 21 01 58 59.7–1.9 7.56N 126.51E 159–15 3.6,3.5b
¶16101555
IDC Error ellipse: s-maj=48.2km s-min=14.0km az=70.0.
MAN VI 21 04 01 10 8.50N 126.83E 31 4.5b,3.4L
¶14718177
MAN VI 21 16 21 43 9.94N 125.65E 116 3.8b,2.6L
¶14718178
MAN VI 21 20 31 42 5.78N 125.17E 6 3.7b,2.5L
¶14718179
MAN VI 22 17 21 34 8.41N 124.57E 24 4.4b,3.2L
¶14718198
MAN VI 22 17 26 13 8.57N 126.02E 34 4.8b,3.7L
¶14718199
ISC VI 22 23 01 03.3–1.6 8.82N–.04 126.17E–.08 23–12 3.8b 25 1-87
IDC VI 22 23 00 59.6–.89 8.96N 126.33E 0 4.1L,4.1 **¶13681863**
ISCJB VI 22 23 01 02.7–2.0 8.65N–.05 126.17E–.09 16–14 4.2s,3.7b
MAN VI 22 23 01 04 8.68N 126.03E 8 4.7b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=42.6km s-min=14.6km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=6.6km az=163.0.
ISC VI 23 11 26 59.0–.73 5.30N–.09 126.2E–.30 66 4.0b 14 2-89
ISCJB VI 23 11 26 57.5–.58 5.29N–.08 126.0E–.20 66 3.8b **¶13681900**
MAN VI 23 11 27 07 6.20N 126.30E 70 4.3b,3.1L
IDC VI 23 11 27 10.7–4.2 5.36N 126.33E 176–42 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.7km s-min=9.2km az=170.2.
IDC Error ellipse: s-maj=60.3km s-min=11.0km az=76.0.
IDC VI 23 11 39 55.4–32 5.66N 126.29E 0 3.7,3.6
¶16101650
IDC Error ellipse: s-maj=547.0km s-min=106.1km az=155.0.
MAN VI 26 10 10 18 9.89N 126.11E 27 4.3b,3.2L
¶14718299
MAN VI 26 13 48 50 7.51N 126.28E 27 3.8b,2.6L
¶14718300
ISC VI 27 15 35 20.8–1.3 5.91N–.04 124.5E–.10 54 15 1-7
ISCJB VI 27 15 35 19.7–.68 5.88N–.03 124.5E–.10 54 **¶14718341**
MAN VI 27 15 35 20 5.98N 124.38E 57 4.1b,3.0L
DJA VI 27 15 35 29.5–1.2 5N–6.0 124E–9.0 10 4.9b,4.5b
ISC Event type ke.
ISCJB Event type ke.
MAN VI 28 02 09 37 7.08N 123.46E 1 3.8b,2.6L
¶14718358
MAN VI 29 11 06 04 8.60N 123.16E 10 4.4b,3.2L
¶14718372
IDC VI 29 21 39 16.4–2.1 5.22N 126.91E 0 3.7,3.4
¶16101874
IDC Error ellipse: s-maj=154.5km s-min=25.4km az=66.0.

(260) East of Philippine Islands.

IDC I 05 05 37 28.1–.89 5.19N 128.04E 0 4.0,3.8
¶12080338
IDC Error ellipse: s-maj=61.4km s-min=16.3km az=75.0.
ISC IV 16 16 20 47.1–.99 6.6N–.10 128.1E–.10 10 3.7b 10 4-59
ISCJB IV 16 16 20 44.9–.87 6.7N–.10 128.3E–.30 10 3.5b **¶16152850**
IDC IV 16 16 20 45.5–1.1 6.54N 127.61E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=40.2km s-min=12.3km az=156.3.
IDC Error ellipse: s-maj=85.2km s-min=17.9km az=76.0.

SEISMIC REGION 23.
Borneo-Sulawesi.

(261) Borneo.

IDC II 14 04 12 20.9–1.8 2.98S 117.42E 0 3.8,3.7
¶15956030
IDC Error ellipse: s-maj=198.1km s-min=24.4km az=57.0.
IDC III 19 07 49 30.8–6.9 2.58S 117.65E 0 4.0b,4.0
¶12703657
IDC Error ellipse: s-maj=188.2km s-min=104.5km az=57.0.

(262) Celebes Sea.

ISC I 04 18 02 35.0–.42 2.51N–.03 124.17E–.05 356–3 4.6b 398 1-140
BJI I 04 18 02 33.2 2.43N 124.12E 350 4.5b,4.4b **¶11528272**
MOS I 04 18 02 33.3–1.1 2.54N 124.10E 353 4.7b,4.4b
IDC I 04 18 02 34.9–.88 2.50N 124.10E 355–7 4.2b,4.2
ISCJB I 04 18 02 34.3–.22 2.54N–.02 124.22E–.03 364–2 4.5b,4.2
NEIC I 04 18 02 34.6–.54 2.51N 124.13E 354–5 4.7b,4.2
DJA I 04 18 02 35 2.56N 124.16E 345 4.7W,4.2
ISC Event type se.
MOS Error ellipse: s-maj=15.3km s-min=6.2km az=115.8.
IDC Error ellipse: s-maj=13.3km s-min=6.6km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=175.4.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=77.0.
IDC I 12 05 36 50.3–2.5 2.87N 122.47E 539–30 2.9,2.8b
¶12081091
IDC Error ellipse: s-maj=54.6km s-min=14.7km az=76.0.
IDC I 17 12 51 20.4–2.2 3.71N 123.92E 0 3.7,3.5b
¶12081540
IDC Error ellipse: s-maj=315.0km s-min=25.5km az=63.0.
IDC I 18 08 03 58.3–1.8 2.12N 124.36E 0 3.5,3.3b

¶12081620
IDC Error ellipse: s-maj=190.9km s-min=24.9km az=63.0.
IDC I 20 17 29 00.2–1.8 5.83N 122.34E 0 3.8,3.7b

¶12081886
IDC Error ellipse: s-maj=226.3km s-min=24.2km az=63.0.
IDC I 25 14 19 53.0–2.0 3.82N 123.00E 0 3.7,3.5b

¶12082311
IDC Error ellipse: s-maj=300.9km s-min=24.6km az=63.0.
IDC I 26 04 52 57.3–1.7 4.33N 124.01E 0 4.0,3.9b

¶12082351
IDC Error ellipse: s-maj=129.0km s-min=23.0km az=66.0.
IDC I 27 02 34 31.3–1.5 2.86N 122.61E 0 4.4s,4.4

¶12082434
IDC Error ellipse: s-maj=172.8km s-min=26.8km az=65.0.
IDC I 30 01 22 47.8–1.8 2.78N 124.85E 0 3.6,3.4b

¶12082703
IDC Error ellipse: s-maj=181.7km s-min=24.4km az=64.0.
IDC II 05 18 41 16.7–2.8 3.51N 123.27E 605–41 3.1,3.0

¶15955082
IDC Error ellipse: s-maj=125.4km s-min=9.4km az=66.0.
IDC II 12 12 54 53.1–1.1 3.00N 125.00E 0 4.0,3.9

¶15955702
IDC II 12 13 46 23.0–3.1 3.20N 124.91E 0 4.1,4.0
DJA II 12 13 46 24.0–.50 4N–8.0 116E–5.0 238–15 5.9b,5.5 ¶15955711
IDC II 12 21 24 13.9–9.2 4.43N 124.18E 546–120 3.0,2.8

¶15955811
IDC Error ellipse: s-maj=264.5km s-min=27.0km az=62.0.
ISC II 14 13 18 46.9–1.3 4.95N–.08 125.0E–.20 10 3.5b 9 1-60
ISCJB II 14 13 18 45.5–.92 4.84N–.06 124.8E–.30 10 3.5b ¶15956060
IDC II 14 13 18 45.8–1.9 4.85N 124.87E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.2km s-min=9.0km az=0.8.
IDC Error ellipse: s-maj=206.9km s-min=22.3km az=65.0.
IDC II 16 10 11 30.0–1.8 2.26N 124.05E 0 3.5,3.3

¶15956261
IDC Error ellipse: s-maj=202.9km s-min=25.8km az=63.0.
IDC II 17 04 46 04.7–1.6 4.44N 123.04E 614–20 3.4,3.3

¶15956390
IDC Error ellipse: s-maj=30.1km s-min=8.0km az=67.0.
IDC II 19 13 44 47.2–1.6 2.30N 124.00E 0 3.5,3.4

¶15956716
IDC Error ellipse: s-maj=226.8km s-min=22.2km az=64.0.
IDC II 20 18 18 41.7–1.9 2.11N 124.38E 0 3.4,3.2

¶15956826
IDC Error ellipse: s-maj=193.7km s-min=26.4km az=64.0.
IDC II 20 23 43 03.7–1.9 2.27N 124.64E 0 3.5,3.3

¶15956844
IDC Error ellipse: s-maj=192.2km s-min=26.0km az=64.0.
IDC II 21 04 26 01.0–2.1 2.10N 124.34E 0 3.3,3.2

¶15956858
IDC Error ellipse: s-maj=212.4km s-min=28.7km az=64.0.
IDC II 21 17 09 11.8–1.9 2.57N 124.46E 0 3.5,3.3

¶15956887
IDC Error ellipse: s-maj=182.4km s-min=27.2km az=64.0.
IDC II 26 03 14 14.6–1.6 2.63N 123.99E 0 3.6,3.5

¶15957334
IDC Error ellipse: s-maj=281.2km s-min=22.4km az=62.0.
IDC II 28 07 32 32.2–1.6 3.17N 124.88E 0 3.6,3.5b

¶15957509
IDC Error ellipse: s-maj=189.8km s-min=21.4km az=65.0.
IDC III 01 13 58 08.6–2.0 4.53N 124.99E 0 3.4,3.3

¶12702195
IDC Error ellipse: s-maj=117.0km s-min=22.3km az=58.0.
IDC III 04 10 25 47.0–8.1 3.45N 123.17E 542–116 2.9,2.7b

¶12702413
IDC Error ellipse: s-maj=78.7km s-min=23.4km az=79.0.
IDC III 08 14 53 02.1–2.5 3.05N 122.68E 552–38 3.0,2.9

¶12702727
IDC Error ellipse: s-maj=42.3km s-min=12.7km az=71.0.
ISC III 10 02 15 24.6–.44 4.81N–.07 123.54E–.09 545 4.1b 91 2-159
AUST III 10 02 14 13.6–9.9 7.93N 122.14E 21–1 4.1b ¶15153138
NEIC III 10 02 15 22.5–1.7 4.88N 123.71E 518–20 4.4b
ISCJB III 10 02 15 23.3–.30 4.77N–.05 123.59E–.07 545 4.1b
IDC III 10 02 15 24.9–.67 4.77N 123.59E 548–8 3.4,3.4
ISC Event type se.
AUST Error ellipse: s-maj=4.2km s-min=1.6km az=9.0.
NEIC Event type se. Error ellipse: s-maj=32.2km s-min=7.7km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.1km az=152.1.
IDC Error ellipse: s-maj=19.9km s-min=6.8km az=70.0.
IDC III 10 16 43 39.5–2.4 4.33N 123.32E 0 3.4,3.3b

¶12702890
IDC Error ellipse: s-maj=337.5km s-min=26.4km az=63.0.
ISC III 12 02 43 38.6–.32 4.64N–.03 123.55E–.05 518–3 4.6b 423 2-172
BJI III 12 02 43 33.8 4.25N 123.94E 521 4.7b,4.6b ¶12791149
ISCJB III 12 02 43 37.6–.19 4.67N–.02 123.53E–.03 519–2 4.6b,4.6b
DJA III 12 02 43 37.7–.40 5N–5.0 124E–3.0 507–4 5.8,5.3b
IDC III 12 02 43 38.0–.63 4.63N 123.48E 511–7 4.1,4.1
NEIC III 12 02 43 38.7–.36 4.65N 123.46E 520–4 4.6b,4.1
TEH III 12 02 43 39.0 4.64N 123.48E 524 4.7L,4.1
AUST III 12 02 43 40.4–.54 4.55N 123.47E 543–0 4.7L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.3km az=160.2.
IDC Error ellipse: s-maj=10.4km s-min=5.1km az=71.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.5km az=69.0.
AUST Error ellipse: s-maj=1.2km s-min=0.9km az=227.0.
IDC III 12 12 43 36.3–2.1 3.99N 124.10E 0 3.5,3.3b

¶12703077
IDC Error ellipse: s-maj=218.5km s-min=27.1km az=63.0.
IDC III 17 12 10 50.4–1.6 2.59N 124.68E 0 4.0,4.0

¶12703511
IDC Error ellipse: s-maj=193.4km s-min=24.2km az=64.0.
IDC III 20 15 55 34.9–1.6 4.18N 124.70E 0 3.7,3.6

¶12703832
IDC Error ellipse: s-maj=125.6km s-min=19.0km az=68.0.
IDC III 24 02 49 43.1–1.8 2.16N 124.43E 0 3.8,3.6s

¶12635441
IDC Error ellipse: s-maj=194.2km s-min=24.8km az=63.0.
ISC III 30 07 53 59.3–.48 3.80N–.07 122.3E–.10 604 4.1b 49 3-119
ISCJB III 30 07 53 58.2–.32 3.88N–.06 122.41E–.09 604 4.1b ¶12635927
DJA III 30 07 53 59.4–.50 4N–6.0 122E–7.0 600–4 5.1b,4.9
IDC III 30 07 54 00.2–1.1 3.81N 122.44E 617–14 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.5km az=152.0.
IDC Error ellipse: s-maj=21.4km s-min=6.9km az=69.0.
IDC IV 01 23 17 58.1–2.3 4.48N 124.06E 0 3.5,3.4

¶16152246
IDC Error ellipse: s-maj=270.9km s-min=25.2km az=64.0.
IDC IV 03 07 09 14.5–3.0 3.29N 123.11E 516–38 3.0,2.9

¶16152304
IDC Error ellipse: s-maj=49.3km s-min=13.8km az=64.0.
ISC IV 06 07 11 05.1–.52 3.31N–.08 124.2E–.10 423 4.0b 38 2-91
AUST IV 06 07 10 53.5 3.50N 124.00E 300 4.0b ¶15153577
DJA IV 06 07 11 01.6–.70 3N–10 124E–6.0 344–6 4.7b,4.7
IDC IV 06 07 11 03.0–2.7 3.34N 124.32E 399–31 3.8,3.6
ISCJB IV 06 07 11 03.6–.35 3.32N–.07 124.31E–.10 423 3.9b,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC IV 09 22 05 01.5–2.6 4.38N 123.78E 0 3.5,3.3

¶16152606
IDC Error ellipse: s-maj=363.9km s-min=26.0km az=63.0.
IDC IV 12 13 41 13.6–1.6 3.22N 124.39E 0 3.8,3.7

¶16152713
IDC Error ellipse: s-maj=125.8km s-min=21.8km az=66.0.
IDC IV 20 06 20 55.0–1.6 3.85N 124.46E 0 3.6,3.5

¶16153121
IDC Error ellipse: s-maj=202.1km s-min=21.3km az=64.0.
IDC IV 24 13 36 53.1–1.9 2.34N 124.94E 0 3.4,3.3

¶16153336
IDC Error ellipse: s-maj=124.9km s-min=24.9km az=67.0.
ISC IV 25 08 07 42.0–.72 3.22N–.10 122.9E–.20 545 3.6b 18 5-119
ISCJB IV 25 08 07 40.9–.62 3.30N–.09 122.8E–.20 545 3.5b ¶15153946
IDC IV 25 08 07 42.3–2.5 3.26N 122.88E 546–36 3.1,2.9
AUST IV 25 08 07 52.7–2.7 1.71N 123.42E 482 3.1,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.5km s-min=9.9km az=160.4.
IDC Error ellipse: s-maj=42.0km s-min=13.1km az=69.0.
AUST Error ellipse: s-maj=3.8km s-min=1.5km az=327.0.
IDC IV 29 18 26 11.8–1.8 4.68N 124.94E 0 3.7,3.5b

¶16154639
IDC Error ellipse: s-maj=118.0km s-min=24.0km az=67.0.
IDC V 01 04 22 39.6–1.3 2.61N 124.69E 0 3.8,3.7

¶16154688
IDC Error ellipse: s-maj=113.6km s-min=18.2km az=66.0.
ISC V 04 19 01 26.5–.58 3.10N–.08 122.58E–.10 552 3.6b 43 3-90
ISCJB V 04 19 01 25.6–.32 3.15N–.06 122.61E–.07 552 3.6b ¶13678348
IDC V 04 19 01 26.5–1.4 3.08N 122.59E 554–17 3.1,3.0
DJA V 04 19 01 27.4–1.6 3N–19 123E–7.0 537–14 4.8b,4.4b
MAN V 04 19 02 33 6.28N 124.81E 32 3.9b,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.5km az=148.2.
IDC Error ellipse: s-maj=19.0km s-min=10.5km az=71.0.
IDC V 10 15 14 42.7–1.1 4.58N 124.84E 0 3.8,3.6

¶16155594
IDC Error ellipse: s-maj=104.5km s-min=16.3km az=68.0.
IDC V 10 21 29 32.2–1.7 2.57N 123.81E 0 3.6,3.5

¶16155609
IDC Error ellipse: s-maj=220.9km s-min=27.0km az=62.0.
ISC V 12 05 05 58.9–1.6 3.1N–.20 123.3E–.20 500 3.9b 14 8-56
AUST V 12 05 05 53.8 4.50N 124.00E 600 3.9b ¶15154275
IDC V 12 05 05 57.4–2.9 2.95N 123.40E 448–31 3.4,3.3
ISCJB V 12 05 05 57.3–1.5 3.2N–.20 123.3E–.20 500 3.7b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC V 12 12 19 33.6–.35 3.14N–.04 122.61E–.06 549–2 4.6b 289 3-122
ISCJB V 12 12 19 32.7–.23 3.18N–.03 122.69E–.03 554–3 4.5b ¶12818790
NEIC V 12 12 19 33.7–.44 3.18N 122.63E 555–6 4.6b
BJI V 12 12 19 33.9 3.20N 122.60E 552 4.8b,4.6b
DJA V 12 12 19 33.6–.20 3N–3.0 123E–3.0 545–3 5.4,5.1b
IDC V 12 12 19 34.0–.66 3.16N 122.60E 556–7 3.9,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.3km az=22.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.2km az=91.0.
IDC Error ellipse: s-maj=11.4km s-min=6.4km az=83.0.
IDC V 12 12 21 02.0–2.1 4.82N 124.62E 0 4.1,3.9

¶16155674
IDC Error ellipse: s-maj=207.5km s-min=26.2km az=64.0.
IDC V 13 20 21 11.3–1.0 2.48N 124.80E 0 3.8,3.7

¶16155721
IDC Error ellipse: s-maj=155.9km s-min=19.0km az=65.0.
IDC V 15 21 28 54.9–1.9 4.18N 122.55E 0 4.2s,4.1

¶16155779
IDC Error ellipse: s-maj=256.9km s-min=26.6km az=62.0.
ISC V 24 17 03 03.5–.87 4.9N–.20 123.0E–.20 600 3.6b 22 4-119
ISCJB V 24 17 03 02.0–.73 5.0N–.10 123.1E–.20 600 3.6b ¶16156109
IDC V 24 17 03 05.8–1.9 4.66N 122.56E 628–26 3.0,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.2km s-min=10.0km az=146.5.
IDC Error ellipse: s-maj=80.1km s-min=11.6km az=66.0.
IDC V 25 02 46 12.0–2.0 4.85N 123.85E 0 3.9,3.7

¶16156130
IDC Error ellipse: s-maj=150.5km s-min=26.1km az=66.0.
ISC V 30 22 51 32.2–.59 3.67N–.09 122.8E–.10 545 4.1b 38 4-90
IDC V 30 22 51 33.0–.89 3.68N 122.85E 556–12 3.5,3.5 ¶16066096
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=8.0km az=70.0.
IDC VI 05 20 49 55.9–21 4.77N 123.45E 441–275 3.0,2.9

¶16100996
IDC Error ellipse: s-maj=202.8km s-min=38.5km az=60.0.
IDC VI 08 10 27 22.9–2.5 4.50N 123.39E 0 3.5,3.3

¶16101103
IDC Error ellipse: s-maj=348.1km s-min=25.6km az=63.0.
IDC VI 11 13 59 29.6–8.6 3.42N 122.75E 518–113 3.4,3.2

¶16101208
IDC Error ellipse: s-maj=108.7km s-min=23.9km az=59.0.
ISC VI 20 06 26 37.6–.52 3.75N–.07 124.89E–.08 300 3.6b 43 2-123
ISCJB VI 20 06 26 36.4–.39 3.90N–.05 124.92E–.06 300 3.6b ¶13681700
DJA VI 20 06 26 39.8–.60 4N–8.0 125E–5.0 275–7 4.9b,4.8
IDC VI 20 06 26 41.6–3.4 3.62N 124.50E 344–35 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.1km az=143.0.
IDC Error ellipse: s-maj=27.7km s-min=10.5km az=69.0.
IDC VI 21 14 05 22.7–1.5 4.55N 123.84E 0 4.4,4.3

¶16101574
IDC Error ellipse: s-maj=122.8km s-min=21.1km az=65.0.
IDC VI 22 18 54 23.3–1.7 4.26N 122.94E 0 3.7,3.6

¶16101619
IDC Error ellipse: s-maj=211.3km s-min=23.8km az=62.0.
ISC VI 24 06 50 17.8–.86 3.9N–.10 123.1E–.20 600 3.8b 22 4-119
DJA VI 24 06 49 45.7–.70 7N–12 123E–10 625–25 5.1,4.9b ¶16101682
IDC VI 24 06 50 14.8–2.1 4.10N 123.52E 561–23 3.3,3.3
ISCJB VI 24 06 50 15.9–.60 3.86N–.08 123.3E–.10 600 3.7b,3.3
ISC Event type ke.
ISCJB Event type ke.
IDC VI 25 20 55 14.5–1.6 2.20N 124.95E 0 3.8,3.6

¶16101729
IDC Error ellipse: s-maj=117.3km s-min=22.3km az=66.0.
IDC VI 26 12 47 27.5–1.7 4.63N 123.46E 0 4.0,3.8

¶16101747
IDC Error ellipse: s-maj=136.8km s-min=23.4km az=65.0.

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IDC I 01 01 25 52.5–3.7 4.46N 127.81E 108–32 4.1,3.9
DJA I 01 01 26 04 3.73N 127.34E 67 4.6,3.9 ¶12079720
IDC Error ellipse: s-maj=89.3km s-min=13.4km az=71.0.
IDC I 03 11 05 37.6–.87 2.58N 125.11E 0 3.8,3.7
DJA I 03 11 05 42 2.80N 125.29E 21 4.1,3.7 ¶12079893
IDC Error ellipse: s-maj=72.2km s-min=15.4km az=73.0.
ISC I 03 12 14 04.5–.41 2.81N–.04 125.44E–.07 10 4.4b,3.4s 79 1-123
DJA I 03 12 13 58 3.60N 125.64E 31 4.9,3.4s ¶12079898
IDC I 03 12 14 02.8–.50 2.77N 125.37E 0 4.3,4.3
ISCJB I 03 12 14 02.7–.28 2.80N–.04 125.39E–.06 10 4.4b,3.3s
NEIC I 03 12 14 04.3–.32 2.76N 125.43E 10 4.4b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=10.6km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.0km az=171.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.4km az=82.0.
IDC I 03 17 17 45.2–2.4 3.89N 126.92E 0 3.5,3.3b

¶12079916
IDC Error ellipse: s-maj=204.6km s-min=25.7km az=66.0.
ISC I 04 02 19 26.2–.51 4.99N–.04 127.49E–.06 25–2 4.7s,4.6b 126 2-169
BJI I 04 02 19 16.9 4.15N 127.83E 20 5.2b,4.8s ¶11528217
MAN I 04 02 19 29 4.78N 127.40E 30 5.2b,4.4s

IDC I 04 02 19 30.6–3.3 5.02N 127.37E 62–29 4.0,4.0
NEIC I 04 02 19 32.9–1.2 4.98N 127.40E 84–10 4.6b,4.0
ISCJB I 04 02 19 32.7–.69 4.89N–.03 127.28E–.07 97–6 4.6b,4.0
DJA I 04 02 19 39 4.46N 126.93E 23 5.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=12.6km az=70.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.2km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=4.5km az=164.5.
IDC I 05 23 24 38.7–1.2 3.73N 126.85E 0 3.9,3.8b
¶12080424

IDC Error ellipse: s-maj=106.7km s-min=14.9km az=70.0.
IDC I 08 17 23 54.2–1.8 2.74N 125.30E 0 3.6,3.5b
¶12080761

IDC Error ellipse: s-maj=186.7km s-min=23.8km az=64.0.
IDC I 09 03 03 29.4–2.1 4.77N 126.68E 0 4.0,3.8b
¶12080797

IDC Error ellipse: s-maj=184.4km s-min=24.5km az=65.0.
IDC I 13 00 17 21.2–1.3 2.39N 125.78E 0 4.1,3.9b
DJA I 13 00 17 32 2.61N 125.59E 107 4.2,3.9b **¶12081153**
IDC Error ellipse: s-maj=102.5km s-min=18.2km az=67.0.
ISC I 13 16 46 39.0–.82 3.9N–.10 125.9E–.30 107 4.1b 13 2-91
IDC I 13 16 46 26.3–.75 4.05N 125.85E 0 4.3,4.1b **¶12081199**
ISCJB I 13 16 46 37.0–.67 4.0N–.10 125.8E–.30 107 4.0b,4.1b
DJA I 13 16 46 47 3.66N 126.00E 105 4.3,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=50.9km s-min=13.8km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=39.1km s-min=11.4km az=161.2.
IDC I 13 22 36 45.8–1.3 3.55N 126.48E 0 4.0,3.9b
¶12081223

IDC Error ellipse: s-maj=190.6km s-min=16.8km az=67.0.
IDC I 15 22 27 54.9–1.1 3.83N 126.54E 0 3.9,3.8b
¶12081385

IDC Error ellipse: s-maj=98.1km s-min=15.3km az=70.0.
IDC I 18 08 43 06.8–1.6 3.13N 126.28E 0 3.9,3.7
¶12081626

IDC Error ellipse: s-maj=179.0km s-min=19.0km az=65.0.
IDC I 18 12 19 43.8–1.4 3.38N 126.89E 0 3.5,3.4b
¶12081644

IDC Error ellipse: s-maj=106.8km s-min=17.9km az=72.0.
ISC I 20 05 49 29.3–.58 4.54N–.05 127.86E–.09 66 4.3b 56 2-127
IDC I 20 05 49 20.6–.66 4.59N 128.01E 0 4.4,4.4L **¶11613326**
NEIC I 20 05 49 25.7–.31 4.52N 127.99E 35 4.5b,4.4L
ISCJB I 20 05 49 27.2–.40 4.49N–.04 127.90E–.06 66 4.2b,4.4L
DJA I 20 05 49 32 4.34N 127.61E 78 4.9,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=12.7km az=71.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=5.3km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.1km az=3.5.
ISC I 22 13 59 00.1–.59 3.29N–.09 126.8E–.10 48 4.1b 36 4-74
IDC I 22 13 58 53.9–.69 3.39N 126.89E 0 4.0,3.9 **¶12082058**
NEIC I 22 13 58 54.8–.37 3.40N 126.86E 10 4.7b,3.9
ISCJB I 22 13 58 58.1–.44 3.39N–.08 126.9E–.10 48 4.1b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 23 21 50 26.4–.79 3.86N 126.91E 0 4.0,3.9b
DJA I 23 21 50 38 3.60N 126.84E 52 4.4,3.9b **¶12082164**
IDC Error ellipse: s-maj=42.5km s-min=14.8km az=73.0.
IDC I 24 03 24 04.0–1.6 4.09N 125.97E 0 4.0,3.8b
DJA I 24 03 24 18 3.84N 126.31E 26 4.4b,3.8b **¶12082185**
IDC Error ellipse: s-maj=115.9km s-min=18.9km az=69.0.
ISC I 24 07 00 17.3–.65 3.8N–.10 127.0E–.30 36 4.4b 34 4-123
IDC I 24 07 00 12.2–.86 3.78N 126.63E 0 4.3,4.2 **¶12082200**
ISCJB I 24 07 00 15.3–.48 3.82N–.10 126.9E–.30 36 4.4b,3.1s
NEIC I 24 07 00 16.9–.36 3.82N 126.94E 35 4.7b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=96.0km s-min=13.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=41.3km s-min=8.5km az=164.6.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=6.6km az=75.0.
ISC I 26 10 33 34.3–.38 3.78N–.04 126.62E–.06 27–1 4.7b,3.9s 272 1-146
BJI I 26 10 33 29.9 3.48N 126.79E 26 5.0b,4.8b **¶13434011**
IDC I 26 10 33 30.2–.41 3.74N 126.43E 0 4.6,4.6
ISCJB I 26 10 33 32.2–.23 3.70N–.03 126.60E–.05 26 4.7b,3.9s
MOS I 26 10 33 33.1–.96 3.73N 126.59E 33 5.1b,3.9s
NEIC I 26 10 33 35.1–.23 3.72N 126.53E 35 4.9b,3.9s
DJA I 26 10 33 37 3.53N 126.71E 10 4.9,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=9.2km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.3km az=159.8.
MOS Error ellipse: s-maj=14.8km s-min=6.1km az=111.6.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.8km az=74.0.
IDC I 26 11 13 15.3–1.5 3.94N 127.12E 0 3.6,3.6
¶12082367

IDC Error ellipse: s-maj=145.4km s-min=19.8km az=69.0.
ISC I 26 18 31 17.4–1.2 4.10N–.08 125.7E–.20 10 3.8b 12 2-39
IDC I 26 18 31 12.6–2.9 4.49N 126.04E 0 4.1,3.9b **¶12082394**
ISCJB I 26 18 31 15.3–.67 4.08N–.06 125.8E–.20 10 3.8b,3.9b
MAN I 26 18 31 16 4.17N 125.81E 11 4.9b,3.8s
DJA I 26 18 31 26 4.11N 125.77E 62 4.3b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=104.0km s-min=24.2km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=23.4km s-min=6.4km az=167.6.
ISC I 27 11 27 08.4–.71 3.47N–.09 125.5E–.30 150 4.0b 17 3-98
ISCJB I 27 11 27 06.9–.54 3.45N–.06 125.5E–.20 150 3.9b **¶12082469**
IDC I 27 11 27 10.6–6.1 3.44N 125.46E 171–60 3.9,3.7
DJA I 27 11 27 11 3.45N 126.11E 111 4.6,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.3km s-min=7.4km az=170.6.
IDC Error ellipse: s-maj=41.6km s-min=13.8km az=75.0.
IDC I 27 12 51 01.5–1.9 3.66N 127.46E 0 3.5,3.3b
¶12082475

IDC Error ellipse: s-maj=154.6km s-min=24.3km az=65.0.
IDC I 27 16 14 24.5–2.0 2.69N 125.76E 0 3.4,3.2
¶12082496

IDC Error ellipse: s-maj=193.2km s-min=24.9km az=65.0.
IDC I 29 09 16 55.5–2.2 4.89N 126.90E 0 3.7,3.5b
¶12082655

IDC Error ellipse: s-maj=168.2km s-min=25.7km az=66.0.
IDC I 31 17 37 30.5–1.4 4.11N 127.96E 0 3.8b,3.8
¶12082844

IDC Error ellipse: s-maj=118.3km s-min=17.5km az=67.0.
IDC I 31 21 25 59.7–1.6 3.92N 126.49E 0 3.8s,3.8
¶12082862

IDC Error ellipse: s-maj=157.3km s-min=25.5km az=68.0.
ISC II 01 01 50 16.8–.31 4.74N–.03 127.65E–.05 120–2 4.9b 678 2-168
NEIC II 01 01 50 07.4–.16 4.85N 127.77E 35 5.1b **¶11659268**
BJI II 01 01 50 08.9 4.03N 128.04E 116 5.1b,4.8b
MOS II 01 01 50 10.7–.99 4.83N 127.53E 77 5.2b,4.8b
ISCJB II 01 01 50 15.5–.44 4.82N–.02 127.70E–.03 122–3 4.9b,4.8b
MAN II 01 01 50 15 4.88N 127.76E 114 5.5b,4.8s
IDC II 01 01 50 15.8–1.0 4.74N 127.59E 112–8 4.7,4.7
TEH II 01 01 50 18.0 4.70N 127.59E 132 5.2L,4.7
DJA II 01 01 50 19 4.71N 127.54E 106 5.2b,4.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.6km az=63.0.
MOS Error ellipse: s-maj=10.8km s-min=5.8km az=108.5.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.4km az=162.0.
IDC Error ellipse: s-maj=14.5km s-min=7.2km az=75.0.
IDC II 02 07 56 26.2–1.7 4.95N 125.90E 0 3.7,3.6
¶15954884

IDC Error ellipse: s-maj=112.7km s-min=20.6km az=70.0.
IDC II 04 09 59 12.8–1.2 4.65N 126.76E 0 3.7,3.6
¶16191954

IDC Error ellipse: s-maj=124.5km s-min=17.0km az=68.0.
ISC II 04 14 52 35.6–1.7 3.20N–.10 126.34E–.09 63 3.1b 11 1-58
ISCJB II 04 14 52 34.8–1.2 3.12N–.10 126.30E–.08 63 3.1b **¶12699539**
IDC II 04 14 52 34.5–1.9 2.07N 125.20E 0 3.4,3.2
DJA II 04 14 52 34.8–1.4 3N–16 126E–5.0 18–35 4.6b,4.1b
ISC Event type ke.
ISCJB Event type ke.
ISC II 07 06 24 21.0–.64 4.2N–.10 126.7E–.20 45 4.4b 40 17-123
IDC II 07 06 24 14.4–.74 4.21N 126.78E 0 4.3,4.2 **¶15955171**
ISCJB II 07 06 24 19.2–.47 4.1N–.10 126.6E–.20 45 4.3b,4.2
NEIC II 07 06 24 19.8–.41 4.24N 126.84E 35 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=15.7km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=30.0km s-min=9.0km az=154.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=8.2km az=63.0.
IDC II 09 12 46 09.3–10 4.42N 126.83E 187–101 3.4,3.1
DJA II 09 12 46 15 3.18N 125.57E 26 3.9,3.1 **¶12699842**
IDC Error ellipse: s-maj=102.0km s-min=29.1km az=67.0.
ISC II 11 17 34 51.4–.23 3.78N–.02 126.50E–.03 24–1 7.3s,6.6b 3053 3-169
BJI II 11 17 34 45.7 3.40N 126.68E 30 7.4s,7.3 **¶13434474**
IDC II 11 17 34 46.7–.28 3.83N 126.51E 0 7.2s,7.2
ISCJB II 11 17 34 50.0–.09 3.88N–.02 126.59E–.02 28 7.3s,6.5b
SZGRF II 11 17 34 49.5 3.19N 127.07E 33 7.5b,6.5b
NEIC II 11 17 34 50.5–.11 3.89N 126.39E 20 7.3s,7.2W
MOS II 11 17 34 50.6–1.1 3.87N 126.47E 33 7.2s,6.8b
TEH II 11 17 34 53.0 3.69N 126.79E 33 7.5L,6.8b
DJA II 11 17 34 57 3.84N 126.68E 74 7.2W,6.8b
ISC Event type de.
IDC Error ellipse: s-maj=7.4km s-min=5.2km az=78.0.
ISCJB Event type de. Error ellipse: s-maj=2.7km s-min=2.1km az=155.2.
SZGRF Talaud Islands, Indonesia.
NEIC Event type de. Error ellipse: s-maj=4.4km s-min=3.6km az=52.0. At least 64 people injured and 597 buildings damaged or destroyed in the Kepulauan Talaud. Felt [VI] at Lirung. Felt [V] on Pulau Sangihe and [IV] at Manado, Sulawesi. Felt [III PIVS] at Davao and [II PIVS] at General Santos, Philippines. Also felt at Mati. Complex earthquake observed on broadband displacement seismograms. A small event is followed by a large event about 4 seconds later. Depth and focal mechanism from synthetics of broadband displacement seismograms based on large event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000°,δ60.00000°,λ120.00000°. NP2: ϕ_s141.00000°,δ41.00000°,λ49.00000°. Principal axes: T Plg62.0000°,Azm329.0000° ; N Plg0.0000°,Azm0.0000°; P Plg10.0000°,Azm79.0000° Moment Tensor Solution. s59 Moment tensor: Scale 10^{19}Nm; M_{rr}4.09 $M_{\theta\theta}$0.82 $M_{\phi\phi}$-4.91 $M_{r\theta}$0.56 $M_{\theta\phi}$2.03 $M_{\phi r}$2.09 Best double couple: NP1:ϕ_s359.00000°,δ58.00000°,λ112.00000°. NP2:ϕ_s143.00000° ,δ38.00000°,λ59.00000°. Principal axes: T 4.8200,Plg68.0000°,Azm315.0000° ; N 1.0800,Plg18.0000°,Azm167.0000°; P -5.9000,Plg10.0000°,Azm74.0000° M_o5.40000×10^{19} Moment Tensor Solution. $M_9$9.10000×10^{19}
MOS Error ellipse: s-maj=7.0km s-min=4.2km az=116.7. Moment Tensor Solution. $M_0$8.10000×10^{19}
ISC II 11 17 41 59.5–.55 3.65N–.09 126.7E–.10 53 5.0b 55 23-123
IDC II 11 17 41 52.4–.63 3.67N 126.61E 0 5.0,5.0 **¶12699984**
NEIC II 11 17 41 55.7–5.7 3.62N 126.61E 22–40 5.5b,5.0
ISCJB II 11 17 41 57.9–.49 3.65N–.08 126.6E–.10 53 6.5s,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 11 17 44 06.5–.48 3.88N–.08 126.7E–.10 45 4.9b 71 20-169
IDC II 11 17 44 00.3–.60 3.90N 126.62E 0 4.9,4.9 **¶12699985**
ISCJB II 11 17 44 04.7–.41 3.89N–.07 126.67E–.09 45 5.0b,4.9
NEIC II 11 17 44 04.6–4.0 3.88N 126.64E 29–28 5.5b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=14.5km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.7km az=161.1.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.6km az=67.0.
ISC II 11 17 47 20.3–.42 3.81N–.06 126.7E–.10 45 5.0b 109 3-163
IDC II 11 17 47 14.1–.51 3.82N 126.68E 0 4.9,4.9 **¶13434475**
ISCJB II 11 17 47 18.5–.34 3.79N–.05 126.67E–.07 45 5.0b,4.9
NEIC II 11 17 47 18.5–1.9 3.82N 126.73E 30–13 5.3b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=11.8km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=7.0km az=172.2.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.2km az=83.0.
ISC II 11 17 49 18.4–.26 3.90N–.04 126.51E–.05 45 5.8s,5.5b 391 3-162
IDC II 11 17 49 11.9–.38 3.91N 126.48E 0 5.2,5.2 **¶11671878**
BJI II 11 17 49 11.5 3.47N 126.79E 35 5.7s,5.7b
MOS II 11 17 49 14.9–1.1 3.91N 126.54E 31 5.6b,5.7b
ISCJB II 11 17 49 16.5–.18 3.86N–.03 126.51E–.04 45 6.1s,5.5b
NEIC II 11 17 49 17.2–.18 3.89N 126.53E 35 5.6b,5.5b
DJA II 11 17 49 21 3.89N 126.56E 68 5.4b,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=9.8km az=70.0.
MOS Error ellipse: s-maj=10.0km s-min=5.2km az=114.8.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=147.7.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=68.0.
ISC II 11 17 53 00.2–.43 3.70N–.06 126.74E–.09 53 4.9b 91 4-157
IDC II 11 17 52 53.2–.50 3.66N 126.66E 0 5.9s,5.9 **¶12083092**
ISCJB II 11 17 52 58.3–.36 3.68N–.05 126.76E–.07 53 5.8s,4.8b
NEIC II 11 17 52 58.1–3.4 3.75N 126.79E 34–24 5.2b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=11.2km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.9km az=170.9.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.0km az=85.0.
ISC II 11 17 53 49.0–3.3 3.86N–.06 126.43E–.08 25–23 5.1b 163 3-162
IDC II 11 17 53 45.2–.41 3.87N 126.41E 0 5.0,5.0 **¶12699987**
ISCJB II 11 17 53 48.4–.29 3.88N–.05 126.48E–.06 33 5.1b,5.0
NEIC II 11 17 53 49.0–1.9 3.85N 126.40E 26–13 5.2b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=10.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.5km az=164.9.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.1km az=82.0.
ISC II 11 17 57 34.5–.54 3.33N–.09 126.1E–.10 116 4.3b 41 21-149
IDC II 11 17 57 21.6–.68 3.46N 126.24E 0 4.5,4.5 **¶13434479**
NEIC II 11 17 57 26.8–.37 3.38N 126.10E 35 5.0b,4.5
ISCJB II 11 17 57 33.3–.43 3.33N–.08 126.1E–.10 116 4.4b,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 11 18 00 18.8–.87 3.65N 126.53E 0 4.1,4.1
¶12699990

IDC Error ellipse: s-maj=53.4km s-min=17.0km az=74.0.
ISC II 11 18 01 15.6–.88 3.9N–.10 126.7E–.20 36 4.4b 22 17-94
IDC II 11 18 01 10.7–.84 3.82N 126.74E 0 4.2,4.1 **¶12699991**
ISCJB II 11 18 01 14.1–.53 3.83N–.07 126.7E–.10 36 4.3b,4.1
NEIC II 11 18 01 15.6–.45 3.89N 126.93E 35 4.7b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=50.3km s-min=14.2km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=9.0km az=163.4.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=7.5km az=71.0.
ISC II 11 18 01 57.1–1.1 4.2N–.20 126.8E–.40 36 4.4b 12 31-67
IDC II 11 18 01 52.2–1.2 4.13N 126.76E 0 4.3,4.2 **¶16191956**
ISCJB II 11 18 01 55.4–.95 4.2N–.20 127.0E–.30 36 4.4b,4.2
NEIC II 11 18 01 57.2–.87 4.20N 126.94E 35 4.6b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=81.8km s-min=23.5km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=38.7km s-min=18.5km az=160.6.
NEIC Event type se. Error ellipse: s-maj=41.6km s-min=17.0km az=68.0.
ISC II 11 18 03 31.3–.49 3.72N–.08 126.8E–.10 48 4.4b 52 20-92
IDC II 11 18 03 24.8–.59 3.74N 126.77E 0 4.5,4.4 **¶12699992**
ISCJB II 11 18 03 29.5–.36 3.69N–.06 126.7E–.10 48 4.4b,4.4
NEIC II 11 18 03 30.0–.35 3.70N 126.74E 35 4.6b,4.4

ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=12.3km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=6.9km az=164.7.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=6.7km az=74.0.
ISC II 11 18 04 49.5–.56 3.83N–.09 126.1E–.20 107 4.3b 23 3-122
IDC II 11 18 04 36.9–.59 3.89N 126.18E 0 5.1s,5.1 **¶15955428**
ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=12.7km az=71.0.
ISC II 11 18 09 46.5–.73 3.72N–.06 126.70E–.09 32–4 4.8b 138 3-128
IDC II 11 18 09 41.3–.55 3.61N 126.61E 0 4.8,4.8 **¶11671880**
ISCJB II 11 18 09 44.9–.29 3.70N–.05 126.69E–.07 33 4.8b,4.8
MOS II 11 18 09 44.6–.83 3.66N 126.68E 33 5.2b,4.8
NEIC II 11 18 09 46.9–.28 3.70N 126.69E 35 4.7b,4.8
BJI II 11 18 09 47.1 3.60N 126.80E 44 5.3b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=12.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.1km az=161.8.
MOS Error ellipse: s-maj=17.6km s-min=7.2km az=109.2.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=5.8km az=76.0.
ISC II 11 18 11 48.0–.90 4.3N–.20 126.5E–.20 85 4.3b 22 22-67
IDC II 11 18 11 37.5–.87 4.42N 126.59E 0 4.3,4.2 **¶12699994**
NEIC II 11 18 11 43.1–.68 4.30N 126.55E 35 4.6b,4.2
ISCJB II 11 18 11 45.9–.68 4.3N–.10 126.5E–.20 85 4.2b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 11 18 13 12.1–.67 3.9N–.10 126.4E–.20 45 4.5b 39 25-157
IDC II 11 18 13 05.8–.85 3.96N 126.39E 0 4.5,4.4 **¶12699995**
ISCJB II 11 18 13 10.5–.54 3.93N–.08 126.3E–.20 45 4.4b,4.4
NEIC II 11 18 13 11.2–.43 3.94N 126.34E 35 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=51.0km s-min=16.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=9.6km az=165.8.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=7.8km az=73.0.
ISC II 11 18 16 58.2–.52 3.96N–.09 126.5E–.20 45 4.4b 48 4-123
IDC II 11 18 16 51.4–.66 4.03N 126.41E 0 4.3,4.3 **¶12699997**
ISCJB II 11 18 16 56.0–.47 3.98N–.08 126.4E–.20 45 4.3b,4.3
NEIC II 11 18 16 56.9–.50 3.96N 126.44E 35 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=41.2km s-min=14.0km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=25.2km s-min=9.0km az=163.4.
NEIC Event type se. Error ellipse: s-maj=29.1km s-min=10.5km az=72.0.
ISC II 11 18 18 54.2–.57 4.00N–.08 126.8E–.20 36 4.3b 42 22-157
IDC II 11 18 18 48.9–.63 3.98N 126.68E 0 4.3,4.2 **¶12699998**
ISCJB II 11 18 18 52.2–.48 3.97N–.07 126.7E–.20 36 4.3b,4.2
NEIC II 11 18 18 54.0–.34 3.98N 126.74E 35 5.0b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=12.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=9.0km az=168.3.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=6.7km az=75.0.
IDC II 11 18 20 52.4–1.7 3.17N 125.65E 0 4.2,4.0
¶15955430
IDC Error ellipse: s-maj=238.7km s-min=21.2km az=64.0.
ISC II 11 18 22 04.6–.44 4.03N–.05 126.68E–.06 36–2 5.1b 257 3-167
IDC II 11 18 21 59.0–.38 3.93N 126.53E 0 4.7,4.7 **¶11671881**
BJI II 11 18 22 00.8 3.72N 126.41E 32 5.3b,4.8b
ISCJB II 11 18 22 02.5–.20 4.16N–.03 126.80E–.04 33 5.8s,5.0b
MOS II 11 18 22 02.0–.94 3.93N 126.60E 33 5.4b,5.0b
NEIC II 11 18 22 04.9–1.3 3.96N 126.65E 44–12 5.1b,5.0b
DJA II 11 18 22 07 3.65N 126.81E 10 5.2b,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=18.1km s-min=9.4km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=163.2.
MOS Error ellipse: s-maj=13.4km s-min=5.6km az=117.7.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=4.6km az=67.0. Felt [III] in the Kepulauan Talaud.
ISC II 11 18 25 11.2–.29 4.01N–.03 126.76E–.04 34–0 6.0s,5.8b 962 3-169
IDC II 11 18 25 06.0–.30 3.96N 126.73E 0 5.9s,5.9 **¶11671883**
BJI II 11 18 25 05.3 3.57N 126.87E 33 6.5b,6.0s
ISCJB II 11 18 25 09.5–.13 4.04N–.02 126.85E–.02 35 5.9s,5.8b
MOS II 11 18 25 09.0–.97 3.98N 126.78E 33 6.0s,5.9b
NEIC II 11 18 25 11.2–.15 4.03N 126.78E 35 5.8b,5.9b
DJA II 11 18 25 16 3.91N 126.89E 96 5.6b,5.9b
ISC Event type fe.
IDC Error ellipse: s-maj=13.5km s-min=7.8km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=158.7.
MOS Error ellipse: s-maj=9.2km s-min=4.5km az=117.3.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.1km az=69.0. Felt [III] in the Kepulauan Talaud.
ISC II 11 18 27 30.4–.44 4.00N–.08 126.6E–.10 45 4.9b 68 22-130
IDC II 11 18 27 24.0–.57 3.98N 126.47E 0 4.9,4.9 **¶12700000**
ISCJB II 11 18 27 28.7–.34 3.99N–.05 126.6E–.10 45 5.0b,4.9
NEIC II 11 18 27 29.4–3.5 4.00N 126.54E 37–33 5.4b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=13.5km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=7.1km az=170.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.2km az=82.0.
ISC II 11 18 34 30.9–.66 3.8N–.10 127.0E–.20 36 4.4b 35 4-123
IDC II 11 18 34 25.6–.77 3.76N 126.94E 0 4.3,4.2 **¶12700001**
ISCJB II 11 18 34 28.8–.55 3.82N–.09 127.0E–.20 36 4.3b,4.2
NEIC II 11 18 34 30.6–.45 3.81N 126.98E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=16.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=10.9km az=160.9.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=9.0km az=70.0.
ISC II 11 18 36 49.1–.60 3.50N–.09 126.0E–.20 116 4.1b 34 16-122
IDC II 11 18 36 35.5–.72 3.61N 126.25E 0 4.2,4.1 **¶12700002**
NEIC II 11 18 36 41.4–3.7 3.55N 126.15E 41–36 4.7b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=15.8km az=77.0.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=10.0km az=67.0.
ISC II 11 18 39 59.4–.53 3.87N–.09 126.6E–.10 45 4.3b 50 3-115
IDC II 11 18 39 53.0–.61 3.93N 126.55E 0 4.2,4.2 **¶12700003**
ISCJB II 11 18 39 57.7–.39 3.91N–.07 126.5E–.10 45 4.4b,4.2
NEIC II 11 18 39 58.6–.34 3.96N 126.53E 35 4.7b,4.2
DJA II 11 18 39 59 4.32N 127.24E 37 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=13.0km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=7.6km az=159.5.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=7.0km az=69.0.
ISC II 11 18 41 50.8–.53 3.70N–.09 126.7E–.20 53 4.3b 49 22-123
IDC II 11 18 41 43.6–.60 3.70N 126.67E 0 4.3,4.2 **¶12700004**
ISCJB II 11 18 41 48.9–.38 3.70N–.06 126.7E–.10 53 4.3b,4.2
NEIC II 11 18 41 48.8–.29 3.69N 126.68E 35 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=13.5km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=7.9km az=166.9.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=6.2km az=75.0.
ISC II 11 18 44 30.2–.54 3.63N–.04 126.70E–.08 33–3 4.8b 196 3-166
IDC II 11 18 44 25.2–.45 3.58N 126.62E 0 5.2s,5.2 **¶11671884**
BJI II 11 18 44 26.9 3.35N 126.79E 37 5.2s,5.0b
MOS II 11 18 44 27.9–.94 3.60N 126.69E 31 5.2b,5.0b
NEIC II 11 18 44 30.2–.22 3.59N 126.67E 35 4.9b,5.0b
DJA II 11 18 44 30 3.69N 126.88E 10 4.9b,5.0b
ISCJB II 11 18 44 33.9–.69 3.60N–.04 126.72E–.05 85–6 4.7b,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 11 18 47 26.6–.35 3.81N–.04 126.56E–.05 37–1 5.7s,5.1b 328 3-157
IDC II 11 18 47 20.9–.37 3.81N 126.53E 0 4.8,4.8 **¶13434483**
ISCJB II 11 18 47 24.1–.20 3.80N–.03 126.68E–.04 33 5.6s,5.1b
BJI II 11 18 47 24.2 3.82N 126.62E 34 5.8b,5.7s
MOS II 11 18 47 24.1–1.1 3.82N 126.53E 33 5.3b,5.7s
NEIC II 11 18 47 26.2–.21 3.83N 126.51E 35 5.3b,5.7s
DJA II 11 18 47 28 3.66N 126.84E 10 5.2b,5.7s
ISC Event type se.
IDC Error ellipse: s-maj=14.6km s-min=9.0km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=154.1.
MOS Error ellipse: s-maj=10.9km s-min=5.6km az=115.9.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.7km az=71.0.
ISC II 11 18 54 04.3–.29 4.01N–.04 126.71E–.06 45 5.5s,5.0b 328 3-157
BJI II 11 18 53 55.9 3.24N 126.75E 35 5.5s,5.4 **¶11671887**
IDC II 11 18 53 58.0–.37 3.97N 126.66E 0 5.5s,5.4
MOS II 11 18 54 01.2–1.0 3.98N 126.68E 33 5.3b,5.4
ISCJB II 11 18 54 02.8–.20 4.09N–.03 126.82E–.04 45 5.4s,5.0b
NEIC II 11 18 54 03.1–.19 3.95N 126.71E 35 5.1b,5.0b
DJA II 11 18 54 10 3.66N 126.80E 51 5.1b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=9.5km az=78.0.
MOS Error ellipse: s-maj=13.3km s-min=6.1km az=116.8.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.9km az=173.8.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=74.0.
ISC II 11 18 55 47.5–.44 3.97N–.07 126.6E–.10 45 4.8b 89 11-157
IDC II 11 18 55 41.0–.49 3.94N 126.46E 0 4.7,4.7 **¶12083098**
NEIC II 11 18 55 43.7–4.4 3.95N 126.50E 18–27 4.9b,4.7
ISCJB II 11 18 55 45.6–.34 3.96N–.05 126.60E–.07 45 4.7b,4.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 11 18 58 20.6–.43 3.79N–.07 126.5E–.10 45 4.6b 90 3-157
IDC II 11 18 58 14.2–.50 3.76N 126.36E 0 4.9s,4.9 **¶12700005**
ISCJB II 11 18 58 18.8–.34 3.77N–.05 126.51E–.09 45 4.8s,4.6b
NEIC II 11 18 58 19.3–.30 3.78N 126.50E 35 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=11.5km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=7.2km az=168.8.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.3km az=77.0.
ISC II 11 19 00 20.8–.44 3.87N–.07 126.31E–.10 45 4.5b 82 4-157
IDC II 11 19 00 14.3–.54 3.85N 126.26E 0 5.7s,5.7 **¶13434486**
ISCJB II 11 19 00 18.9–.37 3.87N–.06 126.26E–.07 45 5.7s,4.5b
NEIC II 11 19 00 19.7–.32 3.89N 126.33E 35 4.8b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=11.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.5km az=156.5.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.7km az=70.0.
ISC II 11 19 01 56.7–.20 3.92N–.03 126.54E–.04 45 5.5b,5.5s 582 3-167
BJI II 11 19 01 51.1 3.45N 126.63E 38 5.8b,5.6s **¶11671888**
MOS II 11 19 01 53.2–1.0 3.82N 126.49E 33 5.7b,5.6s
ISCJB II 11 19 01 54.9–.14 3.91N–.02 126.64E–.03 45 5.5b,5.5s
NEIC II 11 19 01 55.4–.17 3.83N 126.48E 35 5.5b,5.5s
IDC II 11 19 01 55.3–1.7 3.83N 126.49E 33–12 5.3s,5.3
DJA II 11 19 02 01 3.72N 126.71E 77 5.5b,5.3
ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=114.1.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.9km az=162.4.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=73.0. Felt [III] in the Kepulauan Talaud.
IDC Error ellipse: s-maj=13.0km s-min=8.5km az=75.0.
ISC II 11 19 06 03.5–.51 3.84N–.08 126.8E–.10 36 4.9b 107 17-157
IDC II 11 19 05 57.8–.68 3.80N 126.76E 0 4.9,4.9 **¶12700007**
ISCJB II 11 19 06 02.0–.41 3.86N–.06 126.80E–.07 36 4.9b,4.9
NEIC II 11 19 06 02.6–4.3 3.84N 126.88E 31–29 5.0b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=16.3km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=9.0km az=21.6.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.5km az=105.0.
IDC II 11 19 11 31.3–1.4 3.35N 126.96E 0 4.3,4.1
¶15955431
IDC Error ellipse: s-maj=111.0km s-min=19.3km az=70.0.
IDC II 11 19 14 43.3–1.0 4.03N 126.89E 0 4.1,3.9
¶15955432
IDC Error ellipse: s-maj=67.4km s-min=14.8km az=68.0.
IDC II 11 19 15 13.0–1.0 3.51N 126.82E 0 4.1,4.0
¶15955435
IDC Error ellipse: s-maj=74.3km s-min=16.9km az=72.0.
ISC II 11 19 18 54.8–.48 3.96N–.03 126.74E–.06 32–3 4.9b 228 3-157
IDC II 11 19 18 49.9–.44 3.90N 126.64E 0 4.7,4.7 **¶13434487**
MOS II 11 19 18 52.7–.92 3.89N 126.72E 33 5.2b,4.7
ISCJB II 11 19 18 52.6–.22 3.97N–.03 126.76E–.05 30 5.2s,4.8b
BJI II 11 19 18 52.0 3.70N 126.43E 32 5.9b,5.3s
NEIC II 11 19 18 54.9–.28 3.95N 126.83E 35 5.0b,5.3s
DJA II 11 19 19 00 3.77N 126.88E 57 4.9b,5.3s
ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=10.9km az=72.0.
MOS Error ellipse: s-maj=15.5km s-min=6.0km az=116.6.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.5km az=161.9.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=6.3km az=67.0. Felt [III] in the Kepulauan Talaud.
ISC II 11 19 22 37.5–.87 3.96N–.06 126.6E–.10 28–5 4.7b 109 3-157
IDC II 11 19 22 33.1–.57 3.95N 126.52E 0 4.5,4.4 **¶13434489**
ISCJB II 11 19 22 36.3–.35 3.95N–.05 126.62E–.08 33 4.7b,4.4
NEIC II 11 19 22 38.4–.30 3.94N 126.57E 35 4.7b,4.4
DJA II 11 19 22 43 3.84N 126.81E 57 4.8b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=13.7km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.5km az=165.5.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.0km az=76.0.
ISC II 11 19 25 21.5–.85 3.8N–.10 126.7E–.20 45 4.4b 26 25-90
IDC II 11 19 25 15.0–.91 3.79N 126.68E 0 4.3,4.1 **¶12700011**
ISCJB II 11 19 25 19.3–.56 3.7N–.10 126.6E–.20 45 4.3b,4.1
NEIC II 11 19 25 20.1–.54 3.74N 126.67E 35 4.7b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=19.7km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=30.4km s-min=11.2km az=160.0.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=11.1km az=70.0.
ISC II 11 19 26 54.8–.57 3.56N–.10 126.7E–.20 53 4.4b 43 4-123
IDC II 11 19 26 47.7–.60 3.57N 126.60E 0 4.4,4.3 **¶12700012**
ISCJB II 11 19 26 52.9–.42 3.56N–.07 126.7E–.10 53 4.4b,4.3
NEIC II 11 19 26 53.2–2.8 3.56N 126.65E 39–27 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=12.7km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=7.8km az=159.5.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=6.7km az=69.0.
ISC II 11 19 28 10.3–.59 3.94N–.09 126.9E–.20 36 4.2b 35 22-123
IDC II 11 19 28 05.2–.72 3.99N 126.76E 0 4.2,4.1 **¶12700013**
ISCJB II 11 19 28 08.4–.45 4.01N–.07 126.8E–.10 36 4.2b,4.1
NEIC II 11 19 28 09.6–8.9 3.99N 126.87E 30–64 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=15.1km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=9.0km az=166.7.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=10.9km az=71.0.
IDC II 11 19 31 37.7–1.0 3.83N 126.85E 0 4.1,4.0
¶15955436
IDC Error ellipse: s-maj=70.4km s-min=15.3km az=67.0.
IDC II 11 19 32 01.0–.58 3.69N 126.47E 0 4.8s,4.8
¶15955439
IDC Error ellipse: s-maj=27.8km s-min=12.7km az=66.0.
IDC II 11 19 36 04.3–.93 3.82N 126.82E 0 5.2s,5.2
¶11671895
IDC Error ellipse: s-maj=68.7km s-min=14.7km az=69.0.
ISC II 11 19 36 45.5–.77 4.0N–.10 127.0E–.20 36 4.4b 22 3-99
IDC II 11 19 36 40.2–.97 3.88N 126.83E 0 4.3,4.2 **¶12700017**

ISCJB II 11 19 36 43.6–.69 3.95N–.10 126.9E–.10 36 4.2b,4.2
NEIC II 11 19 36 45.4–.72 3.96N 126.99E 35 4.5b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=72.3km s-min=20.8km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=20.0km s-min=13.2km az=157.8.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=13.8km az=67.0.
ISC II 11 19 37 10.5–.49 3.91N–.08 126.5E–.10 45 4.5b 75 3-123
IDC II 11 19 37 04.1–.61 3.86N 126.39E 0 4.4,4.4 ¶15955440
ISCJB II 11 19 37 08.5–.39 3.88N–.06 126.54E–.08 45 4.5b,4.4
NEIC II 11 19 37 09.3–.37 3.86N 126.45E 35 4.7b,4.4
DJA II 11 19 37 15 3.81N 126.78E 47 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=13.5km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=8.0km az=165.4.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.5km az=75.0.
ISC II 11 19 39 47.0–.53 3.63N–.09 126.6E–.20 53 4.7b 70 22-123
IDC II 11 19 39 39.8–.60 3.64N 126.57E 0 5.1s,5.1 ¶12700018
ISCJB II 11 19 39 44.9–.38 3.65N–.06 126.6E–.10 53 5.0s,4.7b
NEIC II 11 19 39 44.7–.31 3.64N 126.64E 35 4.6b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=12.6km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=6.2km az=154.9.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=5.3km az=70.0.
ISC II 11 19 43 19.6–.72 3.8N–.10 126.7E–.20 45 4.3b 26 4-123
IDC II 11 19 43 13.0–.75 3.93N 126.74E 0 4.3,4.1 ¶15955442
ISCJB II 11 19 43 17.8–.56 3.81N–.09 126.6E–.10 45 4.2b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC II 11 19 47 30.9–1.1 3.82N 126.29E 0 3.9,3.8
¶15955443
IDC Error ellipse: s-maj=80.0km s-min=20.9km az=71.0.
IDC II 11 19 48 20.0–1.2 3.77N 126.54E 0 4.0,3.9
¶15955446
IDC Error ellipse: s-maj=107.7km s-min=15.5km az=70.0.
IDC II 11 19 50 00.9–1.5 3.89N 127.30E 0 4.1,4.0
¶15955447
IDC Error ellipse: s-maj=172.3km s-min=17.5km az=67.0.
IDC II 11 19 50 40.5–.79 3.97N 126.47E 0 4.2,4.1
¶15955450
IDC Error ellipse: s-maj=46.1km s-min=15.3km az=70.0.
ISC II 11 19 52 48.9–.64 3.9N–.10 126.6E–.20 45 4.5b 38 4-157
IDC II 11 19 52 42.6–.62 3.93N 126.53E 0 4.4,4.3 ¶15955451
ISCJB II 11 19 52 46.9–.51 3.89N–.08 126.6E–.10 45 4.3b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC II 11 19 53 40.7–1.7 3.84N 126.67E 0 4.4,4.2
¶15955454
IDC Error ellipse: s-maj=201.7km s-min=19.9km az=66.0.
IDC II 11 19 53 57.8–1.4 3.98N 126.29E 0 4.3,4.3
¶15955457
IDC Error ellipse: s-maj=186.3km s-min=16.5km az=67.0.
IDC II 11 19 55 27.9–.85 3.76N 126.74E 0 4.2,4.1
¶15955458
IDC Error ellipse: s-maj=63.5km s-min=16.6km az=69.0.
ISC II 11 19 56 48.3–.39 4.00N–.04 126.65E–.05 31–2 5.5b,5.1s 543 3-159
BJI II 11 19 56 42.9 3.50N 126.63E 32 5.9b,5.4s ¶11671896
IDC II 11 19 56 43.3–.33 3.91N 126.56E 0 5.2,5.2
MOS II 11 19 56 46.7–.92 3.91N 126.60E 33 5.6b,5.2
ISCJB II 11 19 56 46.4–.15 4.03N–.02 126.75E–.03 31 5.4b,5.1s
NEIC II 11 19 56 48.6–.17 3.96N 126.66E 35 5.5b,5.1s
DJA II 11 19 56 54 3.82N 126.85E 69 5.2b,5.1s
ISC Event type fe.
IDC Error ellipse: s-maj=14.5km s-min=8.4km az=72.0.
MOS Error ellipse: s-maj=9.9km s-min=4.7km az=115.9.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.1km az=160.9.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=69.0. Felt [IV] in the Kepulauan Talaud.
ISC II 11 20 04 29.6–.49 3.53N–.07 126.6E–.10 53 4.4b 56 21-123
IDC II 11 20 04 22.5–.54 3.49N 126.49E 0 4.3,4.3 ¶12700028
NEIC II 11 20 04 26.9–4.0 3.52N 126.57E 30–29 4.8b,4.3
ISCJB II 11 20 04 27.7–.35 3.52N–.05 126.5E–.10 53 4.5b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 11 20 06 17.2–6.6 3.20N 126.46E 0 4.4s,4.4
¶15955459
IDC Error ellipse: s-maj=178.0km s-min=144.2km az=61.0.
ISC II 11 20 08 30.8–.85 3.6N–.20 126.8E–.40 48 4.2b 23 22-91
IDC II 11 20 08 24.2–1.1 3.69N 126.87E 0 4.3,4.2 ¶12700030
ISCJB II 11 20 08 29.1–.69 3.6N–.20 126.6E–.40 48 4.2b,4.2
NEIC II 11 20 08 29.3–.58 3.66N 126.86E 35 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=98.2km s-min=14.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=64.3km s-min=9.8km az=160.8.
NEIC Event type se. Error ellipse: s-maj=51.0km s-min=7.8km az=70.0.
ISC II 11 20 09 33.5–.88 4.09N–.04 126.76E–.05 61–8 5.2b 476 3-167
BJI II 11 20 09 25.2 3.61N 126.78E 34 5.5b,5.4s ¶13434492
IDC II 11 20 09 25.1–.34 4.05N 126.71E 0 5.0,5.0
MOS II 11 20 09 28.5–1.1 4.06N 126.71E 33 5.5b,5.0
NEIC II 11 20 09 30.2–.17 4.03N 126.74E 35 5.4b,5.0
ISCJB II 11 20 09 33.9–.43 4.11N–.02 126.78E–.03 80–3 5.1b,5.0
DJA II 11 20 09 36 3.99N 126.86E 78 5.2b,5.0
ISC Event type fe.
IDC Error ellipse: s-maj=15.1km s-min=8.9km az=74.0.
MOS Error ellipse: s-maj=10.5km s-min=4.7km az=114.7.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.0km az=74.0. Felt [IV] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=171.2.
ISC II 11 20 10 09.3–.68 4.0N–.10 126.7E–.20 45 5.0b 62 25-102
IDC II 11 20 10 02.0–2.4 3.80N 126.65E 0 4.9,4.9 ¶14189414
ISCJB II 11 20 10 08.2–.52 4.01N–.09 126.5E–.10 45 5.0b,4.9
NEIC II 11 20 10 09.3–4.5 3.94N 126.60E 46–40 5.2b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=56.7km s-min=31.3km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=11.5km az=158.9.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=12.4km az=58.0.
ISC II 11 20 12 44.5–.89 3.3N–.20 125.8E–.20 116 4.3b 30 4-99
IDC II 11 20 12 30.4–.91 3.59N 126.07E 0 4.5,4.4 ¶12700032
NEIC II 11 20 12 36.0–.65 3.42N 125.77E 35 4.7b,4.4
ISCJB II 11 20 12 43.0–.68 3.3N–.10 125.6E–.20 116 4.3b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 11 20 14 00.4–1.0 3.37N 126.92E 0 4.1,4.1
¶15955460
IDC Error ellipse: s-maj=85.7km s-min=18.6km az=71.0.
ISC II 11 20 16 17.9–.55 3.79N–.04 126.45E–.06 34–1 5.0b 243 3-157
IDC II 11 20 16 12.4–.42 3.82N 126.42E 0 4.7,4.7 ¶11671901
BJI II 11 20 16 13.1 3.50N 126.50E 32 5.4b,5.2s
MOS II 11 20 16 15.7–.98 3.77N 126.39E 33 5.2b,5.2s
ISCJB II 11 20 16 15.9–.23 3.73N–.03 126.46E–.05 35 5.0b,5.0s
NEIC II 11 20 16 18.4–1.1 3.78N 126.47E 42–10 5.0b,5.0s
DJA II 11 20 16 22 3.80N 126.78E 77 5.2b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=9.9km az=77.0.
MOS Error ellipse: s-maj=13.5km s-min=5.8km az=117.9.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.5km az=166.5.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.5km az=79.0.
ISC II 11 20 19 16.2–.41 3.92N–.06 126.5E–.10 45 4.8b 143 3-162
BJI II 11 20 19 07.1 3.34N 126.69E 26 5.3b,5.2s ¶11671904
IDC II 11 20 19 09.9–.47 3.93N 126.45E 0 4.7,4.7
ISCJB II 11 20 19 14.5–.29 3.92N–.04 126.52E–.06 45 5.1s,4.7b
NEIC II 11 20 19 15.1–.25 3.92N 126.51E 35 4.9b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=20.8km s-min=11.2km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.9km az=160.7.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=5.6km az=76.0. Felt [III] in the Kepulauan Talaud.
ISC II 11 20 19 49.5–.38 3.79N–.06 126.63E–.09 45 4.8b 96 3-157
IDC II 11 20 19 42.9–.46 3.79N 126.57E 0 4.7,4.7 ¶12700034
ISCJB II 11 20 19 47.6–.27 3.79N–.04 126.54E–.07 45 4.8b,4.7
NEIC II 11 20 19 48.1–.29 3.79N 126.66E 35 5.1b,4.7
DJA II 11 20 19 59 3.64N 126.98E 55 5.1b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=10.9km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.6km az=164.7.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.6km az=80.0.
ISC II 11 20 26 44.9–.61 3.72N–.10 126.7E–.20 53 4.2b 41 3-123
IDC II 11 20 26 37.9–.64 3.77N 126.72E 0 4.3,4.1 ¶11671905
ISCJB II 11 20 26 43.2–.47 3.75N–.08 126.7E–.10 53 4.3b,4.1
NEIC II 11 20 26 43.2–.41 3.76N 126.70E 35 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=13.8km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=8.3km az=157.9.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=8.3km az=71.0.
ISC II 11 20 27 25.3–.54 3.71N–.04 126.63E–.06 33–2 5.0b 255 3-149
BJI II 11 20 27 22.3 3.63N 126.53E 30 5.5b,5.2s ¶13434494
IDC II 11 20 27 23.9–3.9 3.70N 126.60E 24–25 4.7,4.7
ISCJB II 11 20 27 23.7–.22 3.78N–.03 126.65E–.04 33 5.1s,5.0b
MOS II 11 20 27 23.0–.82 3.69N 126.63E 33 5.3b,5.0b
NEIC II 11 20 27 25.3–.24 3.72N 126.60E 35 5.2b,5.0b
DJA II 11 20 27 32 3.53N 126.66E 71 5.0b,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=16.7km s-min=10.1km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=162.5.
MOS Error ellipse: s-maj=13.4km s-min=6.2km az=113.1.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=5.3km az=84.0. Felt [III] in the Kepulauan Talaud.
ISC II 11 20 28 54.9–.89 3.7N–.20 126.8E–.50 48 4.5b 15 25-67
IDC II 11 20 28 48.5–.96 3.65N 126.70E 0 4.4,4.3 ¶12700036
ISCJB II 11 20 28 53.0–.65 3.7N–.10 126.8E–.40 48 4.7b,4.3
NEIC II 11 20 28 53.6–.54 3.66N 126.79E 35 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=80.7km s-min=18.2km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=52.6km s-min=11.9km az=162.3.
NEIC Event type se. Error ellipse: s-maj=52.6km s-min=10.0km az=71.0.
IDC II 11 20 32 46.2–3.6 4.12N 127.54E 0 4.2,4.0
¶15955461
IDC Error ellipse: s-maj=401.1km s-min=20.0km az=66.0.
IDC II 11 20 33 17.1–3.4 4.14N 127.16E 0 4.3,4.1
¶15955464
IDC Error ellipse: s-maj=400.8km s-min=19.3km az=66.0.
IDC II 11 20 33 54.9–.80 3.18N 126.63E 0 4.2,4.1
¶15955467
IDC Error ellipse: s-maj=38.6km s-min=17.7km az=69.0.
ISC II 11 20 34 58.2–.46 3.82N–.08 126.5E–.10 45 4.4b 77 3-124
IDC II 11 20 34 51.6–.52 3.81N 126.42E 0 4.4,4.4 ¶12700040
ISCJB II 11 20 34 56.4–.32 3.80N–.05 126.56E–.08 45 4.4b,4.4
NEIC II 11 20 34 57.0–.29 3.80N 126.47E 35 4.8b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=11.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.7km az=154.7.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=6.3km az=71.0.
ISC II 11 20 36 49.7–.84 4.1N–.20 126.7E–.20 45 4.4b 35 31-123
IDC II 11 20 36 43.2–.91 4.14N 126.60E 0 4.3,4.2 ¶12700041
ISCJB II 11 20 36 48.0–.79 4.2N–.20 126.6E–.20 45 4.3b,4.2
NEIC II 11 20 36 48.4–.58 4.13N 126.64E 35 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=22.8km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=29.7km s-min=17.8km az=146.2.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=13.8km az=58.0.
IDC II 11 20 38 19.1–1.1 3.81N 126.62E 0 5.1s,5.1
¶15955468
IDC Error ellipse: s-maj=109.7km s-min=15.2km az=71.0.
ISC II 11 20 40 17.8–.55 3.57N–.09 126.6E–.20 53 4.3b 40 4-91
IDC II 11 20 40 10.6–.56 3.61N 126.53E 0 4.3,4.2 ¶12700044
ISCJB II 11 20 40 15.7–.42 3.59N–.07 126.6E–.10 53 4.3b,4.2
NEIC II 11 20 40 15.7–.32 3.59N 126.55E 35 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=11.8km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=8.0km az=162.8.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=6.5km az=73.0.
IDC II 11 20 41 40.3–1.4 3.74N 126.82E 0 4.8s,4.8
¶15955470
IDC Error ellipse: s-maj=193.2km s-min=17.7km az=68.0.
IDC II 11 20 43 32.0–6.8 3.31N 126.46E 0 3.9,3.8
¶15955471
IDC Error ellipse: s-maj=187.7km s-min=62.1km az=13.0.
ISC II 11 20 45 24.5–.48 3.89N–.07 126.5E–.10 45 4.7b 96 3-157
IDC II 11 20 45 18.3–.54 3.89N 126.39E 0 4.5,4.5 ¶12083109
ISCJB II 11 20 45 22.6–.35 3.85N–.05 126.51E–.09 45 4.5b,4.5
NEIC II 11 20 45 23.8–2.1 3.89N 126.47E 40–20 4.8b,4.5
DJA II 11 20 45 51 2.78N 125.42E 53 4.5b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=11.5km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=6.7km az=160.3.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=5.7km az=76.0.
IDC II 11 20 46 37.5–.75 4.04N 126.80E 0 4.4,4.2
¶15955474
IDC Error ellipse: s-maj=41.6km s-min=13.4km az=71.0.
ISC II 11 20 50 00.6–.47 3.60N–.07 126.6E–.10 53 4.7b 104 3-123
IDC II 11 20 49 53.5–.52 3.64N 126.57E 0 4.5,4.5 ¶12700048
BJI II 11 20 49 56.9 3.67N 126.67E 31 5.5b,4.9s
ISCJB II 11 20 49 58.8–.32 3.59N–.05 126.65E–.07 53 4.7b,4.9s
NEIC II 11 20 49 58.7–.29 3.62N 126.62E 35 4.8b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=11.7km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.1km az=161.9.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.2km az=77.0.
IDC II 11 20 52 36.8–25 4.13N 126.58E 0 3.9,3.9
¶15955475
IDC Error ellipse: s-maj=586.5km s-min=172.9km az=123.0.
IDC II 11 20 54 42.1–1.5 3.63N 126.38E 0 5.0s,5.0
¶15955476
IDC Error ellipse: s-maj=121.3km s-min=18.8km az=68.0.
IDC II 11 20 58 20.6–1.4 4.13N 126.92E 0 4.1,3.9
¶15955477
IDC Error ellipse: s-maj=78.8km s-min=18.9km az=65.0.
IDC II 11 20 59 19.9–1.9 3.84N 126.58E 0 4.0,4.0
¶15955480
IDC Error ellipse: s-maj=137.9km s-min=22.2km az=72.0.
IDC II 11 20 59 28.1–1.2 4.56N 126.76E 0 4.1,4.0
¶15955483
IDC Error ellipse: s-maj=74.0km s-min=27.6km az=62.0.
ISC II 11 21 02 20.7–.62 3.68N–.08 126.6E–.20 53 4.0b 44 4-90
IDC II 11 21 02 13.8–.67 3.67N 126.64E 0 4.2,4.1 ¶12700054
ISCJB II 11 21 02 18.8–.43 3.68N–.06 126.6E–.10 53 4.1b,4.1
NEIC II 11 21 02 18.8–.36 3.67N 126.61E 35 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=13.6km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=6.9km az=164.5.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=7.1km az=76.0.

IDC II 11 21 05 51.0–1.2 3.74N 126.92E 0 4.0,4.0
¶12700055
IDC Error ellipse: s-maj=155.3km s-min=15.9km az=68.0.
ISC II 11 21 06 36.3–.59 3.6N–.10 126.7E–.20 53 4.5b 52 22-123
IDC II 11 21 06 29.3–.73 3.66N 126.68E 0 4.2,4.2 **¶15955484**
ISCJB II 11 21 06 34.4–.44 3.65N–.08 126.7E–.10 53 4.3b,4.2
NEIC II 11 21 06 34.3–.27 3.64N 126.67E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=13.5km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=7.7km az=154.2.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=5.0km az=68.0.
IDC II 11 21 07 06.2–1.1 3.92N 126.81E 0 4.2,4.1
¶15955488
IDC Error ellipse: s-maj=77.3km s-min=14.6km az=74.0.
ISC II 11 21 10 39.9–.60 3.83N–.03 126.83E–.06 28–3 4.9b 237 3-140
IDC II 11 21 10 35.1–.49 3.71N 126.75E 0 4.7,4.7 **¶11671908**
BJI II 11 21 10 37.4 3.57N 126.55E 28 5.4b,4.9s
ISCJB II 11 21 10 37.5–.23 3.74N–.03 126.80E–.05 27 4.9b,4.8s
MOS II 11 21 10 38.4–.97 3.74N 126.76E 33 5.2b,4.8s
NEIC II 11 21 10 40.3–.23 3.73N 126.79E 35 5.0b,4.8s
DJA II 11 21 10 47 3.50N 126.95E 50 4.9b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=11.4km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.5km az=163.0.
MOS Error ellipse: s-maj=13.0km s-min=5.9km az=115.5.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.8km az=84.0.
IDC II 11 21 15 29.2–.85 3.97N 126.50E 0 4.2,4.1
¶15955489
IDC Error ellipse: s-maj=54.3km s-min=18.6km az=68.0.
ISC II 11 21 19 04.1–.73 3.5N–.10 126.5E–.20 53 4.0b 26 4-91
IDC II 11 21 18 57.4–.78 3.61N 126.43E 0 4.1,4.0 **¶13434499**
ISCJB II 11 21 19 01.9–.55 3.55N–.10 126.5E–.20 53 4.0b,4.0
NEIC II 11 21 19 01.6–.54 3.44N 126.50E 35 3.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=44.2km s-min=15.7km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=29.8km s-min=10.6km az=160.9.
NEIC Event type se. Error ellipse: s-maj=30.1km s-min=11.1km az=69.0.
ISC II 11 21 19 28.5–.96 3.95N–.07 126.6E–.10 22–8 4.6b 93 3-123
IDC II 11 21 19 25.2–.50 3.97N 126.50E 0 4.5,4.5 **¶14189416**
ISCJB II 11 21 19 28.3–.32 3.96N–.05 126.58E–.08 33 4.5b,4.5
NEIC II 11 21 19 30.2–.21 3.97N 126.55E 35 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=11.0km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=5.8km az=159.6.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.2km az=72.0.
ISC II 11 21 22 19.9–.86 3.9N–.10 127.2E–.30 36 4.1b 31 4-123
IDC II 11 21 22 14.9–.88 3.90N 126.95E 0 4.2,4.1 **¶12700061**
ISCJB II 11 21 22 18.0–.64 3.9N–.10 127.1E–.30 36 4.2b,4.1
NEIC II 11 21 22 19.8–.53 3.88N 127.00E 35 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=62.7km s-min=14.0km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=41.1km s-min=9.1km az=157.6.
NEIC Event type se. Error ellipse: s-maj=38.2km s-min=8.4km az=70.0.
ISC II 11 21 23 34.3–.51 3.84N–.07 126.4E–.10 45 4.5b 77 3-123
IDC II 11 21 23 28.3–.62 3.83N 126.44E 0 4.4,4.4 **¶12700062**
NEIC II 11 21 23 29.7–3.8 3.83N 126.46E 12–23 4.7b,4.4
ISCJB II 11 21 23 32.4–.39 3.82N–.05 126.46E–.10 45 4.4b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 11 21 26 50.6–.64 3.9N–.10 126.7E–.20 45 3.9b 43 3-157
IDC II 11 21 26 44.2–.74 3.98N 126.85E 0 4.4L,4.1 **¶12700063**
ISCJB II 11 21 26 48.3–.52 3.92N–.09 126.7E–.20 45 4.0b,4.1
NEIC II 11 21 26 49.4–.44 3.96N 126.76E 35 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=14.0km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=8.3km az=159.6.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=7.4km az=69.0.
ISC II 11 21 28 13.9–.77 4.0N–.10 127.0E–.30 36 4.0b 22 22-85
IDC II 11 21 28 08.6–.85 4.00N 127.00E 0 4.1,4.0 **¶12700064**
NEIC II 11 21 28 13.5–.49 3.96N 126.96E 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=69.0km s-min=16.6km az=73.0.
NEIC Event type se. Error ellipse: s-maj=40.3km s-min=8.7km az=74.0.
ISC II 11 21 28 58.1–.89 3.9N–.10 126.8E–.30 36 3.8b 25 22-123
IDC II 11 21 28 52.8–.92 3.95N 126.87E 0 4.0,3.9 **¶12700065**
ISCJB II 11 21 28 56.3–.67 3.9N–.10 126.7E–.20 36 3.9b,3.9
NEIC II 11 21 28 57.9–.49 3.88N 126.75E 35 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=56.9km s-min=15.7km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=38.0km s-min=11.3km az=158.4.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=8.6km az=69.0.
ISC II 11 21 30 32.6–.55 3.89N–.07 126.6E–.10 45 4.4b 61 3-99
IDC II 11 21 30 26.4–.60 3.90N 126.58E 0 4.3,4.3 **¶12083116**
ISCJB II 11 21 30 30.8–.39 3.90N–.05 126.62E–.09 45 4.3b,4.3
NEIC II 11 21 30 32.0–3.0 3.89N 126.59E 41–29 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=12.5km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=6.6km az=162.8.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=6.5km az=77.0.
ISC II 11 21 34 56.8–.81 4.0N–.10 126.8E–.30 36 4.1b 36 22-157
IDC II 11 21 34 51.3–.86 4.07N 126.84E 0 4.2,4.1 **¶12700066**
ISCJB II 11 21 34 54.7–.63 4.0N–.10 126.8E–.30 36 4.3b,4.1
NEIC II 11 21 34 56.4–.41 4.03N 126.83E 35 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=13.2km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=39.7km s-min=9.0km az=160.9.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=5.9km az=73.0.
ISC II 11 21 36 29.3–.47 3.76N–.07 126.5E–.10 45 4.5b 80 3-123
IDC II 11 21 36 23.3–.52 3.77N 126.48E 0 4.4,4.4 **¶12700067**
NEIC II 11 21 36 26.1–3.0 3.77N 126.51E 21–21 4.5b,4.4
ISCJB II 11 21 36 27.5–.33 3.74N–.05 126.52E–.09 45 4.4b,4.4
DJA II 11 21 36 33 3.65N 126.91E 81 4.6,4.4
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=11.7km az=74.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=6.0km az=161.4.
IDC II 11 21 38 50.8–1.2 4.00N 126.74E 0 4.2,4.1
¶13434503
IDC Error ellipse: s-maj=93.1km s-min=20.2km az=63.0.
ISC II 11 21 39 12.4–.41 4.05N–.07 126.55E–.10 45 4.7b 102 3-123
IDC II 11 21 39 06.2–.52 3.99N 126.54E 0 4.5,4.5 **¶15955490**
BJI II 11 21 39 06.7 3.62N 126.54E 32 5.1b,4.7s
NEIC II 11 21 39 09.3–2.6 3.98N 126.50E 22–19 4.8b,4.7s
ISCJB II 11 21 39 10.7–.29 3.96N–.05 126.46E–.08 45 4.6b,4.3s
DJA II 11 21 39 19.9–.90 4N–9.0 127E–4.0 93–11 5.4b,4.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 11 21 41 45.4–.49 3.90N–.04 126.62E–.06 33–1 4.9b 223 3-157
IDC II 11 21 41 39.9–.44 3.83N 126.59E 0 4.6,4.6 **¶13434504**
BJI II 11 21 41 42.1 3.67N 126.47E 30 5.2b,4.9s
MOS II 11 21 41 43.2–1.1 3.79N 126.56E 33 5.2b,4.9s
ISCJB II 11 21 41 43.2–.21 3.89N–.03 126.67E–.04 31 4.8b,4.1s
NEIC II 11 21 41 45.2–.22 3.79N 126.61E 35 4.9b,4.1s
DJA II 11 21 41 51 3.81N 126.91E 51 4.9b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=10.4km az=71.0.
MOS Error ellipse: s-maj=12.7km s-min=6.0km az=114.3.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.3km az=153.1.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=68.0.

ISC II 11 21 45 06.8–.48 3.93N–.05 126.63E–.10 33–1 4.8b,4.3s 143 3-157
IDC II 11 21 45 01.5–.52 4.01N 126.56E 0 4.9L,4.6 **¶11671912**
BJI II 11 21 45 03.8 3.71N 126.62E 36 5.2b,4.7b
ISCJB II 11 21 45 04.8–.29 3.94N–.05 126.63E–.09 33 4.7b,4.2s
NEIC II 11 21 45 06.8–.23 3.93N 126.56E 35 4.8b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=11.4km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=5.4km az=158.9.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=4.9km az=69.0.
IDC II 11 21 51 11.0–1.1 3.66N 126.53E 0 4.1s,4.1
¶15955492
IDC Error ellipse: s-maj=86.8km s-min=17.4km az=65.0.
IDC II 11 21 54 00.3–.84 3.63N 126.66E 0 4.0,3.9
¶15955493
IDC Error ellipse: s-maj=47.6km s-min=15.2km az=74.0.
ISC II 11 22 01 58.9–.47 3.98N–.07 126.6E–.10 10 4.4b 63 3-149
ISCJB II 11 22 01 57.1–.38 3.88N–.06 126.7E–.10 10 4.3b **¶11671913**
IDC II 11 22 01 57.6–.54 3.91N 126.64E 0 4.3,4.3
NEIC II 11 22 02 02.5–.26 3.90N 126.65E 35 4.4b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=6.5km az=161.9.
IDC Error ellipse: s-maj=29.0km s-min=12.9km az=77.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.3km az=70.0.
IDC II 11 22 05 12.7–1.9 3.81N 127.12E 0 3.8,3.7
¶12083119
IDC Error ellipse: s-maj=222.5km s-min=25.8km az=69.0.
ISC II 11 22 05 41.3–.41 3.64N–.07 126.6E–.10 53 4.6b 102 3-123
IDC II 11 22 05 34.2–.51 3.61N 126.51E 0 4.5,4.5 **¶15955494**
NEIC II 11 22 05 37.4–3.3 3.62N 126.59E 23–23 4.7b,4.5
ISCJB II 11 22 05 39.5–.27 3.65N–.05 126.59E–.07 53 4.6b,2.8s
DJA II 11 22 05 46 3.31N 126.71E 65 4.6b,2.8s
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=11.6km az=71.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.0km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.2km az=150.1.
IDC II 11 22 09 06.2–1.2 3.83N 126.36E 0 4.0,3.8
¶12700073
IDC Error ellipse: s-maj=83.3km s-min=25.7km az=66.0.
ISC II 11 22 09 40.4–.62 3.66N–.10 126.6E–.20 53 4.2b 41 22-123
IDC II 11 22 09 33.3–.67 3.69N 126.65E 0 4.3,4.2 **¶15955496**
ISCJB II 11 22 09 38.5–.43 3.67N–.07 126.6E–.10 53 4.2b,4.2
NEIC II 11 22 09 38.5–.30 3.65N 126.60E 35 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=14.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=8.4km az=162.6.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=5.9km az=71.0.
IDC II 11 22 10 27.3–2.5 3.16N 126.85E 0 4.3,4.2
¶15955500
IDC Error ellipse: s-maj=396.5km s-min=21.0km az=66.0.
IDC II 11 22 11 35.8–2.2 3.52N 126.17E 0 3.9,3.8
¶15955501
IDC Error ellipse: s-maj=322.9km s-min=20.5km az=66.0.
ISC II 11 22 14 27.7–.26 3.66N–.02 126.64E–.03 32–1 6.0b,5.5s 1249 3-169
BJI II 11 22 14 24.1 3.45N 126.63E 33 6.0b,5.8b **¶13434506**
ISCJB II 11 22 14 25.6–.12 3.73N–.02 126.74E–.02 29 5.9b,5.5s
IDC II 11 22 14 26.7–1.7 3.73N 126.66E 22–10 5.7,5.7b
NEIC II 11 22 14 26.7–.12 3.72N 126.65E 25 5.9b,5.9W
MOS II 11 22 14 26.4–.96 3.68N 126.62E 33 6.2b,5.5s
DJA II 11 22 14 33 3.73N 126.86E 85 5.6W,5.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.5km az=161.6.
IDC Error ellipse: s-maj=12.6km s-min=8.4km az=78.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=74.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s40.00000°,δ75.00000° ,λ130.00000°. NP2:ϕ_s147.00000°,δ42.00000°,λ23.00000°. Principal axes: T Plg45.0000° ,Azm350.0000°; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm101.0000° Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}6.64 $M_{\theta\theta}$1.46 $M_{\phi\phi}$-8.10 $M_{r\theta}$-1.18 $M_{\theta\phi}$5.17 $M_{\theta r}$2.14 Best double couple: NP1:ϕ_s333.00000°,δ53.00000°,λ85.00000°. NP2:ϕ_s161.00000° ,δ37.00000°,λ96.00000°. Principal axes: T 7.0000,Plg81.0000°,Azm220.0000° ; N 3.7000,Plg3.0000°,Azm335.0000°; P -10.7000,Plg7.0000°,Azm66.0000° $M_0$9.40000×10^{17}
MOS Error ellipse: s-maj=9.3km s-min=4.3km az=117.9.
IDC II 11 22 22 42.4–1.4 3.92N 126.92E 0 4.0,4.0
¶15955503
IDC Error ellipse: s-maj=182.5km s-min=18.3km az=68.0.
IDC II 11 22 26 06.2–2.0 3.57N 126.10E 0 4.1,3.9
¶15955504
IDC Error ellipse: s-maj=306.3km s-min=16.7km az=66.0.
IDC II 11 22 30 29.2–1.4 3.61N 126.65E 0 3.9,3.8
¶15955505
IDC Error ellipse: s-maj=185.1km s-min=16.6km az=67.0.
ISC II 11 22 32 50.6–.34 3.78N–.04 126.85E–.06 40–2 5.0b,5.0s 345 3-157
BJI II 11 22 32 42.2 2.98N 127.12E 35 5.5b,5.1s **¶11671918**
IDC II 11 22 32 45.0–.39 3.76N 126.72E 0 4.8,4.8
MOS II 11 22 32 48.2–.98 3.76N 126.79E 33 5.3b,4.8
NEIC II 11 22 32 50.0–.22 3.82N 126.94E 35 5.1b,4.8
ISCJB II 11 22 32 51.3–.48 3.83N–.02 126.96E–.04 59–4 5.0b,4.9s
DJA II 11 22 32 56 3.51N 126.86E 64 5.0b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=9.5km az=76.0.
MOS Error ellipse: s-maj=13.6km s-min=5.7km az=117.9.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=166.4.
IDC II 11 22 35 20.6–.90 3.62N 126.47E 0 4.4,4.3
¶15955506
IDC Error ellipse: s-maj=41.6km s-min=17.6km az=78.0.
IDC II 11 22 35 51.8–2.0 3.96N 126.84E 0 4.3,4.2
¶15955509
IDC Error ellipse: s-maj=208.5km s-min=25.0km az=70.0.
IDC II 11 22 37 30.8–1.2 3.97N 127.05E 0 4.3,4.1
¶15955510
IDC Error ellipse: s-maj=106.8km s-min=15.5km az=71.0.
ISC II 11 22 39 56.8–.46 3.93N–.07 126.6E–.10 45 4.6b 92 3-102
IDC II 11 22 39 50.5–.55 3.91N 126.47E 0 4.4,4.4 **¶12700083**
ISCJB II 11 22 39 54.9–.31 3.89N–.05 126.58E–.08 45 4.6b,4.4
NEIC II 11 22 39 55.6–.27 3.90N 126.52E 35 4.8b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=12.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=5.4km az=156.7.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.1km az=76.0.
ISC II 11 22 44 15.0–.61 3.72N–.09 126.7E–.20 53 4.1b 40 4-123
IDC II 11 22 44 07.7–.63 3.76N 126.62E 0 4.3,4.2 **¶12700084**
ISCJB II 11 22 44 13.0–.46 3.72N–.08 126.6E–.20 53 4.2b,4.2
NEIC II 11 22 44 12.8–.32 3.72N 126.63E 35 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=13.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=8.8km az=161.6.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=6.6km az=71.0.
ISC II 11 22 48 40.5–.57 3.55N–.09 126.6E–.20 53 4.4b 59 4-123
IDC II 11 22 48 33.5–.59 3.56N 126.50E 0 4.4,4.3 **¶12700085**
ISCJB II 11 22 48 38.8–.40 3.56N–.06 126.5E–.10 53 4.4b,4.3
NEIC II 11 22 48 38.5–3.4 3.57N 126.56E 34–24 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=12.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=7.8km az=163.4.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=5.4km az=75.0.
ISC II 11 22 51 29.6–.66 3.83N–.04 126.81E–.06 52–5 4.8b,4.5s 195 3-157
IDC II 11 22 51 22.6–.50 3.74N 126.49E 0 4.6,4.6 **¶13434508**
BJI II 11 22 51 25.5 3.43N 126.93E 62 5.6b,4.8s
MOS II 11 22 51 25.9–.92 3.76N 126.52E 33 5.2b,4.8s

NEIC II 11 22 51 27.7–.25 3.76N 126.66E 35 4.9b,4.8s
ISCJB II 11 22 51 30.2–.68 3.82N–.03 126.79E–.05 76–6 4.6b,4.8s
DJA II 11 22 51 34 3.68N 126.83E 67 4.9b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=11.7km az=70.0.
MOS Error ellipse: s-maj=17.4km s-min=6.8km az=118.4.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.1km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.9km az=154.0.
ISC II 11 22 53 34.7–.40 3.99N–.05 126.79E–.09 36 4.8b,4.5s 164 3-123
IDC II 11 22 53 28.5–.60 3.95N 126.57E 0 4.5,4.5 ¶11671920
ISCJB II 11 22 53 32.7–.28 3.96N–.05 126.62E–.08 36 4.8b,4.4s
BJI II 11 22 53 32.9 4.08N 126.84E 34 5.4b,4.7s
MOS II 11 22 53 32.4–1.0 3.98N 126.71E 36 5.1b,4.7s
NEIC II 11 22 53 34.4–.28 3.98N 126.63E 35 4.9b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=13.1km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=5.7km az=160.6.
MOS Error ellipse: s-maj=18.5km s-min=7.0km az=114.4.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.0km az=70.0.
ISC II 11 22 57 13.3–.50 3.87N–.08 126.7E–.10 36 4.4b 55 3-123
IDC II 11 22 57 08.0–.60 3.87N 126.75E 0 4.3,4.3 ¶12700087
ISCJB II 11 22 57 11.4–.35 3.89N–.06 126.7E–.10 36 4.4b,4.3
NEIC II 11 22 57 13.0–.28 3.86N 126.75E 35 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=12.4km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=6.6km az=161.2.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.4km az=69.0.
ISC II 11 23 03 13.2–.60 3.59N–.10 126.4E–.20 53 4.2b 42 4-123
IDC II 11 23 03 06.2–.66 3.63N 126.44E 0 4.2,4.1 ¶12700088
ISCJB II 11 23 03 11.2–.45 3.64N–.07 126.4E–.10 53 4.1b,4.1
NEIC II 11 23 03 11.2–.33 3.60N 126.39E 35 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=13.9km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=8.4km az=161.8.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=6.3km az=72.0.
ISC II 11 23 03 50.3–.71 3.9N–.10 126.4E–.20 45 4.2b 26 22-123
IDC II 11 23 03 44.2–.89 3.90N 126.41E 0 4.4,4.2 ¶12700089
ISCJB II 11 23 03 48.2–.62 3.90N–.08 126.4E–.20 45 4.2b,4.2
NEIC II 11 23 03 49.0–.48 3.83N 126.35E 35 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=17.0km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=9.5km az=162.2.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=8.2km az=70.0.
IDC II 11 23 05 39.5–.77 3.64N 126.79E 0 4.1,4.0
¶15955514
IDC Error ellipse: s-maj=52.9km s-min=14.8km az=74.0.
IDC II 11 23 07 56.0–1.3 3.76N 126.68E 0 3.9,3.8
¶15955515
IDC Error ellipse: s-maj=108.9km s-min=17.1km az=69.0.
IDC II 11 23 09 19.8–1.7 3.88N 126.76E 0 3.9,3.8
¶12700093
IDC Error ellipse: s-maj=108.0km s-min=23.1km az=68.0.
ISC II 11 23 10 17.3–.55 3.98N–.08 126.6E–.20 45 4.5b 46 3-157
IDC II 11 23 10 11.0–.60 3.95N 126.58E 0 4.3,4.3 ¶15955516
ISCJB II 11 23 10 15.5–.45 3.96N–.06 126.5E–.10 45 4.3b,3.6s
NEIC II 11 23 10 16.3–.36 3.98N 126.55E 35 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=13.0km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=8.3km az=168.1.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.9km az=76.0.
IDC II 11 23 14 03.4–1.3 3.89N 126.33E 0 4.1,3.9
¶15955518
IDC Error ellipse: s-maj=216.5km s-min=20.8km az=67.0.
ISC II 11 23 17 21.9–.61 3.60N–.10 126.6E–.20 53 4.2b 33 4-123
IDC II 11 23 17 14.7–.60 3.62N 126.45E 0 4.3,4.2 ¶15955519
ISCJB II 11 23 17 20.1–.48 3.61N–.08 126.6E–.10 53 4.1b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC II 11 23 20 05.9–1.3 3.20N 125.70E 0 3.6,3.5
¶15955520
IDC Error ellipse: s-maj=152.2km s-min=21.0km az=68.0.
IDC II 11 23 21 30.1–1.6 3.87N 126.63E 0 4.4,4.2
¶15955521
IDC Error ellipse: s-maj=215.3km s-min=26.5km az=67.0.
IDC II 11 23 27 29.5–1.8 3.77N 126.21E 0 4.2s,4.2
¶15955522
IDC Error ellipse: s-maj=219.8km s-min=22.0km az=64.0.
ISC II 11 23 28 45.5–.47 3.93N–.07 126.71E–.10 45 4.5b 73 3-157
IDC II 11 23 28 39.0–.55 3.91N 126.73E 0 4.4,4.4 ¶11671922
ISCJB II 11 23 28 43.6–.35 3.91N–.05 126.71E–.08 45 4.5b,4.4
NEIC II 11 23 28 44.2–.29 3.83N 126.70E 35 4.5b,4.4
DJA II 11 23 28 47 3.95N 127.09E 65 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=11.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=5.7km az=157.2.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=5.5km az=67.0.
IDC II 11 23 32 15.1–9.9 4.00N 126.35E 0 3.7,3.7
¶15955523
IDC Error ellipse: s-maj=222.6km s-min=55.6km az=171.0.
IDC II 11 23 35 27.7–1.1 3.65N 126.25E 0 3.8,3.7
¶15955524
IDC Error ellipse: s-maj=102.6km s-min=15.8km az=70.0.
IDC II 11 23 40 14.8–.97 3.92N 126.64E 0 3.9,3.8
¶12700102
IDC Error ellipse: s-maj=58.8km s-min=18.1km az=73.0.
IDC II 11 23 40 29.3–1.2 3.81N 126.72E 0 3.9,3.7
¶11671923
IDC Error ellipse: s-maj=109.1km s-min=16.1km az=69.0.
ISC II 11 23 41 00.4–.37 3.87N–.04 126.77E–.07 36 4.7b,4.3s 157 3-123
IDC II 11 23 40 54.9–.55 3.80N 126.53E 0 4.5,4.5 ¶15955525
BJI II 11 23 40 55.5 3.44N 126.73E 32 5.2b,4.7s
ISCJB II 11 23 40 58.6–.25 3.84N–.04 126.65E–.06 36 4.6b,4.4s
NEIC II 11 23 41 00.2–.34 3.82N 126.62E 35 4.7b,4.4s
DJA II 11 23 41 05 3.65N 126.92E 84 4.8b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=11.9km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.4km az=153.6.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.0km az=60.0.
IDC II 11 23 42 14.0–11 3.31N 126.63E 0 4.0,4.0
¶15955527
IDC Error ellipse: s-maj=342.0km s-min=110.5km az=105.0.
IDC II 11 23 53 09.9–1.3 3.30N 126.15E 0 4.0,3.8
¶15955528
IDC Error ellipse: s-maj=150.0km s-min=18.8km az=66.0.
ISC II 11 23 57 28.9–.70 3.8N–.10 126.7E–.30 45 4.2b 21 3-123
IDC II 11 23 57 22.4–.71 3.91N 126.76E 0 4.4,4.2 ¶15955529
ISCJB II 11 23 57 27.1–.59 3.80N–.09 126.6E–.20 45 4.2b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC II 12 00 00 58.8–.46 3.91N–.08 126.6E–.10 45 4.5b 82 22-157
IDC II 12 00 00 52.4–.50 3.91N 126.55E 0 5.1s,5.1 ¶12700107
ISCJB II 12 00 00 56.9–.36 3.92N–.06 126.67E–.09 45 5.2s,4.5b
NEIC II 12 00 00 57.5–.23 3.90N 126.60E 35 4.6b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=11.6km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=7.7km az=155.7.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=5.0km az=69.0.
ISC II 12 00 02 59.9–.31 3.92N–.03 126.57E–.04 33–1 5.4b,5.0s 534 3-157
BJI II 12 00 02 57.9 3.92N 126.62E 28 5.4b,5.3b ¶11671926
MOS II 12 00 02 58.2–.98 3.94N 126.58E 33 5.4b,5.0s
ISCJB II 12 00 02 58.2–.14 4.04N–.02 126.69E–.03 32 5.4b,5.0s

IDC II 12 00 02 59.0–1.8 3.93N 126.62E 27–11 5.0,5.0
NEIC II 12 00 03 00.0–.16 3.93N 126.58E 35 5.5b,5.0
DJA II 12 00 03 04 3.77N 126.68E 29 5.5b,5.0
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=4.8km az=114.3.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.7km az=162.2.
IDC Error ellipse: s-maj=14.3km s-min=8.0km az=69.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.8km az=67.0.
ISC II 12 00 11 32.5–.38 3.75N–.06 126.52E–.08 53 4.6b 103 3-123
IDC II 12 00 11 25.0–.50 3.67N 126.36E 0 4.5,4.5 ¶11671929
ISCJB II 12 00 11 30.8–.25 3.73N–.04 126.49E–.06 53 4.6b,4.5
NEIC II 12 00 11 30.3–.24 3.73N 126.57E 35 4.7b,4.5
DJA II 12 00 11 42 3.09N 126.83E 50 5.1b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=11.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.3km az=156.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.2km az=71.0.
ISC II 12 00 14 26.2–.57 3.76N–.10 126.3E–.20 45 4.2b 45 3-99
IDC II 12 00 14 19.6–.69 3.85N 126.41E 0 4.2,4.2 ¶15955554
ISCJB II 12 00 14 24.5–.41 3.72N–.07 126.2E–.10 45 4.2b,4.2
NEIC II 12 00 14 25.6–1.4 3.74N 126.27E 39–13 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=14.5km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=7.9km az=159.4.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=6.5km az=69.0.
IDC II 12 00 14 28.8–.80 3.92N 126.35E 0 4.4,4.4b
¶16191960
IDC Error ellipse: s-maj=55.9km s-min=16.2km az=73.0.
IDC II 12 00 15 55.6–.65 3.71N 126.48E 0 4.2,4.1
¶15955556
IDC Error ellipse: s-maj=48.0km s-min=14.8km az=66.0.
IDC II 12 00 16 07.8–1.8 3.83N 126.01E 0 4.4,4.4b
¶15955559
IDC Error ellipse: s-maj=159.8km s-min=26.6km az=69.0.
IDC II 12 00 21 04.1–1.2 3.95N 126.76E 0 4.2,4.1
¶15955560
IDC Error ellipse: s-maj=155.0km s-min=16.2km az=68.0.
ISC II 12 00 25 22.3–.65 3.9N–.10 126.5E–.20 45 4.2b 34 25-92
IDC II 12 00 25 16.1–.66 3.91N 126.54E 0 4.3,4.2 ¶12700114
ISCJB II 12 00 25 20.3–.45 3.88N–.09 126.4E–.10 45 4.3b,4.2
NEIC II 12 00 25 21.1–.43 3.90N 126.53E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=14.0km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=9.0km az=155.7.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=8.6km az=67.0.
IDC II 12 00 26 11.9–1.1 4.00N 126.80E 0 4.1,4.0
¶15955564
IDC Error ellipse: s-maj=78.0km s-min=16.1km az=75.0.
ISC II 12 00 27 20.3–.61 3.65N–.10 126.5E–.20 53 4.3b 44 22-123
IDC II 12 00 27 13.4–.70 3.71N 126.50E 0 4.3,4.2 ¶12700116
ISCJB II 12 00 27 18.6–.45 3.72N–.08 126.6E–.20 53 4.4b,4.2
NEIC II 12 00 27 18.4–.33 3.69N 126.55E 35 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=15.3km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=8.8km az=164.3.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=6.3km az=72.0.
ISC II 12 00 31 23.2–.63 4.06N–.09 126.6E–.20 45 4.1b 39 3-123
IDC II 12 00 31 17.1–.71 4.04N 126.71E 0 4.9s,4.9 ¶12700117
ISCJB II 12 00 31 21.4–.47 4.06N–.07 126.6E–.20 45 4.7s,4.1b
NEIC II 12 00 31 22.2–.35 4.05N 126.63E 35 4.5b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=43.0km s-min=15.5km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=7.1km az=162.8.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=6.6km az=71.0.
IDC II 12 00 32 33.0–1.4 3.94N 126.49E 0 3.9,3.8
¶15955565
IDC Error ellipse: s-maj=59.5km s-min=29.6km az=76.0.
IDC II 12 00 36 34.5–.96 3.69N 126.39E 0 4.0,3.8
¶12700120
IDC Error ellipse: s-maj=119.0km s-min=19.3km az=68.0.
ISC II 12 00 36 57.8–.43 3.96N–.07 126.6E–.10 45 4.2b 68 3-157
IDC II 12 00 36 51.5–.54 3.90N 126.60E 0 4.4,4.4 ¶15955566
ISCJB II 12 00 36 55.9–.35 3.91N–.06 126.6E–.10 45 4.2b,4.4
NEIC II 12 00 36 56.6–.26 3.92N 126.56E 35 4.4b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=12.2km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=6.5km az=161.8.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=5.4km az=71.0.
IDC II 12 00 40 04.2–1.5 3.83N 126.71E 0 3.8,3.7
¶15955568
IDC Error ellipse: s-maj=116.4km s-min=20.8km az=71.0.
IDC II 12 00 45 27.9–1.3 3.73N 126.61E 0 3.8,3.7
¶15955569
IDC Error ellipse: s-maj=120.2km s-min=16.4km az=69.0.
IDC II 12 00 45 37.6–34 3.79N 126.15E 0 3.8,3.8
¶15955572
IDC Error ellipse: s-maj=750.0km s-min=180.2km az=132.0.
ISC II 12 00 46 59.4–.35 3.74N–.05 126.70E–.08 53 4.6b 133 3-157
IDC II 12 00 46 51.8–.47 3.65N 126.57E 0 4.6,4.6 ¶13434515
ISCJB II 12 00 46 57.6–.25 3.78N–.04 126.73E–.06 53 4.7b,4.6
BJI II 12 00 46 57.0 3.96N 126.69E 33 5.1b,4.8s
NEIC II 12 00 46 57.1–.24 3.67N 126.59E 35 4.8b,4.8s
DJA II 12 00 47 02 3.53N 126.90E 50 4.6b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=11.5km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.8km az=162.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.6km az=71.0.
IDC II 12 00 53 25.3–.86 3.64N 126.91E 0 4.0,3.8
¶15955573
IDC Error ellipse: s-maj=67.5km s-min=15.9km az=71.0.
IDC II 12 00 54 13.8–1.8 3.99N 126.03E 0 3.8,3.7
¶12700126
IDC Error ellipse: s-maj=200.8km s-min=24.5km az=69.0.
ISC II 12 00 54 44.5–.59 3.77N–.10 126.4E–.20 45 4.3b 40 3-123
IDC II 12 00 54 38.3–.64 3.79N 126.42E 0 4.2,4.2 ¶15955574
ISCJB II 12 00 54 42.6–.45 3.77N–.08 126.4E–.20 45 4.3b,4.2
NEIC II 12 00 54 43.4–.26 3.77N 126.39E 35 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=14.3km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=9.0km az=163.4.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=5.4km az=73.0.
IDC II 12 00 58 17.0–1.6 3.97N 126.69E 0 3.8,3.7
¶15955576
IDC Error ellipse: s-maj=175.5km s-min=18.1km az=68.0.
ISC II 12 01 08 37.7–.80 3.7N–.10 127.0E–.30 48 4.1b 29 4-123
IDC II 12 01 08 31.4–.95 3.69N 126.97E 0 4.1,4.0b ¶12700128
ISCJB II 12 01 08 35.9–.61 3.6N–.10 126.9E–.30 48 4.2b,4.0b
NEIC II 12 01 08 36.3–.50 3.65N 126.95E 35 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=67.6km s-min=14.5km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=42.5km s-min=8.7km az=160.7.
NEIC Event type se. Error ellipse: s-maj=35.4km s-min=7.4km az=71.0.
IDC II 12 01 17 49.2–1.1 3.99N 126.78E 0 4.1,4.0
¶15955577
IDC Error ellipse: s-maj=100.9km s-min=14.6km az=69.0.
ISC II 12 01 25 27.2–.39 4.07N–.03 126.80E–.04 30–2 5.5b,5.2s 714 3-169
IDC II 12 01 25 22.0–.34 3.93N 126.75E 0 5.1s,5.1b ¶13434516
BJI II 12 01 25 24.4 4.00N 126.90E 27 5.5b,5.4s
NEIC II 12 01 25 25.2–2.0 4.04N 126.80E 16–12 5.5b,5.5W
MOS II 12 01 25 26.1–1.2 4.06N 126.76E 33 5.7b,5.1s
ISCJB II 12 01 25 27.8–.47 4.09N–.02 126.84E–.03 49–4 5.4b,5.2s

TEH II 12 01 25 28.0 4.07N 126.80E 35 5.8L,5.2s
DJA II 12 01 25 32 3.83N 126.87E 27 5.4b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=8.2km az=85.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.5km az=76.0. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}1.73 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-1.66 $M_{r\theta}$-0.29 $M_{\theta\phi}$0.02 $M_{\phi r}$0.74 Best double couple: NP1:ϕ_s351.00000°,δ57.00000°,λ81.00000°. NP2:ϕ_s187.00000°,δ34.00000°,λ103.00000°. Principal axes: T 1.9200,Plg75.0000°,Azm235.0000° ; N -0.1100,Plg7.0000°,Azm355.0000°; P -1.8200,Plg11.0000°,Azm87.0000° $M_0$1.90000×10^{17}
MOS Error ellipse: s-maj=8.5km s-min=4.4km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=156.1.
IDC II 12 01 27 52.2–1.2 3.13N 125.41E 0 5.0s,5.0
¶15955578

IDC Error ellipse: s-maj=83.7km s-min=25.4km az=63.0.
IDC II 12 01 31 14.3–1.6 3.96N 126.15E 0 4.3,4.2
¶15955579

IDC Error ellipse: s-maj=201.3km s-min=19.5km az=68.0.
ISC II 12 01 35 20.2–1.4 3.90N–.07 126.7E–.10 6–7 4.6b 105 3-123
IDC II 12 01 35 19.2–.51 3.81N 126.53E 0 4.5,4.5 **¶13434517**
ISCJB II 12 01 35 22.2–.36 3.89N–.05 126.79E–.09 33 4.5b,4.4s
BJI II 12 01 35 23.3 4.10N 127.20E 35 5.3b,4.9s
NEIC II 12 01 35 24.1–.37 3.92N 126.86E 35 4.6b,4.9s
DJA II 12 01 35 30 3.59N 126.87E 63 4.7b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=10.7km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.9km az=165.8.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.7km az=73.0.
IDC II 12 01 40 38.2–2.0 3.84N 126.97E 0 4.5s,4.5
¶15955580

IDC Error ellipse: s-maj=226.0km s-min=25.2km az=68.0.
IDC II 12 01 41 46.3–.69 4.06N 126.58E 0 4.1,4.0
¶11671937

IDC Error ellipse: s-maj=44.2km s-min=14.5km az=73.0.
ISC II 12 01 42 09.0–.31 4.00N–.03 126.55E–.04 34–1 5.6b,4.8s 775 3-167
IDC II 12 01 42 03.9–.33 4.06N 126.56E 0 5.3,5.3 **¶15955581**
MOS II 12 01 42 07.2–1.0 4.02N 126.56E 33 5.7b,5.3
NEIC II 12 01 42 09.6–.82 4.01N 126.63E 42–7 5.5b,5.3
TEH II 12 01 42 09.0 4.04N 126.75E 35 5.4L,5.3
BJI II 12 01 42 09.3 4.20N 126.57E 33 5.6b,5.5b
ISCJB II 12 01 42 10.4–.42 3.98N–.02 126.69E–.03 65–3 5.4b,5.5b
DJA II 12 01 42 14 3.84N 126.72E 79 5.4b,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=8.1km az=73.0.
MOS Error ellipse: s-maj=9.0km s-min=4.4km az=115.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.3km az=164.2.
ISC II 12 01 47 26.3–.64 4.10N–.08 126.9E–.10 34–1 4.6b,4.4s 110 11-123
BJI II 12 01 47 16.9 3.30N 127.45E 35 5.3b,4.8s **¶11671939**
IDC II 12 01 47 21.5–.58 4.09N 126.72E 0 4.5,4.4
ISCJB II 12 01 47 24.4–.37 4.11N–.05 126.84E–.08 33 4.7b,4.5s
NEIC II 12 01 47 26.4–.34 4.16N 127.00E 35 4.6b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=13.3km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=6.9km az=162.2.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.8km az=76.0.
IDC II 12 01 51 52.5–1.3 4.07N 127.47E 0 4.0,3.9
¶15955583

IDC Error ellipse: s-maj=108.4km s-min=15.7km az=71.0.
IDC II 12 01 56 10.9–1.1 3.84N 126.81E 0 4.1,4.0b
¶15955584

IDC Error ellipse: s-maj=75.3km s-min=16.0km az=73.0.
IDC II 12 01 57 03.5–1.1 3.72N 126.02E 0 4.1,3.9
¶15955587

IDC Error ellipse: s-maj=109.9km s-min=15.7km az=70.0.
IDC II 12 02 01 17.2–1.7 3.86N 126.06E 0 3.7,3.6
¶15955588

IDC Error ellipse: s-maj=133.8km s-min=20.2km az=69.0.
ISC II 12 02 05 55.5–.54 3.65N–.08 126.5E–.20 53 4.4b 56 4-100
IDC II 12 02 05 48.4–.55 3.62N 126.50E 0 4.3,4.3 **¶13434519**
ISCJB II 12 02 05 53.7–.38 3.62N–.06 126.5E–.10 53 4.4b,4.3
NEIC II 12 02 05 53.4–.29 3.60N 126.56E 35 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=12.1km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=6.6km az=162.1.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=5.6km az=72.0.
ISC II 12 02 06 11.8–.39 3.92N–.05 126.41E–.08 45 4.6b 106 3-157
IDC II 12 02 06 05.4–.44 3.93N 126.39E 0 4.7L,4.5 **¶14189425**
ISCJB II 12 02 06 10.1–.30 3.94N–.04 126.42E–.08 45 4.5b,4.5
NEIC II 12 02 06 10.5–1.1 3.94N 126.39E 35–10 4.7b,4.5
DJA II 12 02 06 19 2.01N 127.51E 27 4.8,4.5
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=10.3km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=5.2km az=174.8.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.6km az=75.0.
IDC II 12 02 12 31.1–.64 4.02N 126.70E 0 4.1,4.0
¶15955591

IDC Error ellipse: s-maj=38.6km s-min=13.4km az=77.0.
IDC II 12 02 14 32.0–.72 4.18N 126.86E 0 4.0,3.9
¶13434520

IDC Error ellipse: s-maj=49.3km s-min=15.4km az=72.0.
ISC II 12 02 15 06.6–.28 4.07N–.04 126.75E–.05 39–3 5.0b,4.3s 351 3-166
BJI II 12 02 14 59.4 3.55N 126.99E 35 5.1b,4.8b **¶15955592**
IDC II 12 02 15 00.5–.33 4.00N 126.72E 0 4.7,4.7b
MOS II 12 02 15 03.8–.98 4.03N 126.71E 33 5.2b,4.7b
ISCJB II 12 02 15 04.9–.18 4.17N–.03 126.88E–.03 39 4.9b,4.3s
NEIC II 12 02 15 05.8–.90 4.03N 126.77E 35–8 5.0b,4.3s
DJA II 12 02 15 11 3.82N 126.80E 65 5.0b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=7.7km az=76.0.
MOS Error ellipse: s-maj=12.6km s-min=5.6km az=115.8.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.5km az=162.1.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.9km az=74.0.
IDC II 12 02 21 23.9–3.7 4.23N 127.38E 0 4.0,3.8
¶15955594

IDC Error ellipse: s-maj=421.0km s-min=20.1km az=66.0.
IDC II 12 02 27 43.3–1.3 3.91N 126.65E 0 3.6s,3.6
¶15955595

IDC Error ellipse: s-maj=111.8km s-min=17.7km az=71.0.
IDC II 12 02 32 04.2–8.3 4.28N 125.46E 0 3.6,3.5
¶15955596

IDC Error ellipse: s-maj=228.8km s-min=67.2km az=14.0.
IDC II 12 02 34 16.9–1.4 3.80N 126.33E 0 3.5,3.4
¶12700147

IDC Error ellipse: s-maj=117.1km s-min=18.2km az=72.0.
ISC II 12 02 35 17.1–.50 4.09N–.04 126.93E–.06 34–1 4.8b,4.3s 199 3-145
BJI II 12 02 35 09.1 3.34N 127.24E 35 5.1b,4.8b **¶15955597**
IDC II 12 02 35 12.3–.46 4.08N 126.77E 0 4.6,4.6
ISCJB II 12 02 35 15.3–.21 4.09N–.03 126.87E–.05 33 4.8b,4.2s
NEIC II 12 02 35 17.3–.18 4.08N 126.88E 35 4.8b,4.2s
DJA II 12 02 35 21 4.14N 127.13E 55 4.8b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=10.9km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.3km az=160.9.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.0km az=74.0.
ISC II 12 02 36 39.9–.39 3.91N–.04 126.74E–.07 42–2 4.8b,4.3s 210 3-157
BJI II 12 02 36 31.8 3.20N 127.10E 35 5.1b,4.8b **¶13434521**
IDC II 12 02 36 34.2–.43 3.88N 126.65E 0 4.6,4.6
NEIC II 12 02 36 37.9–2.6 3.93N 126.81E 25–19 4.9b,4.6
ISCJB II 12 02 36 37.4–.21 3.94N–.03 126.77E–.05 32 4.8b,4.2s
MOS II 12 02 36 37.4–1.1 3.89N 126.69E 33 5.1b,4.2s

DJA II 12 02 36 58 2.84N 127.35E 55 5.0b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=10.4km az=74.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.4km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.9km az=156.4.
MOS Error ellipse: s-maj=15.0km s-min=6.1km az=114.2.
IDC II 12 02 42 02.2–1.3 4.14N 126.58E 0 4.0,3.9
¶15955599

IDC Error ellipse: s-maj=76.3km s-min=27.7km az=63.0.
ISC II 12 02 44 42.9–.69 3.8N–.10 126.6E–.20 45 4.0b 18 3-90
IDC II 12 02 44 36.6–.68 3.84N 126.43E 0 4.2,4.1 **¶15955600**
ISCJB II 12 02 44 41.1–.54 3.77N–.08 126.6E–.20 45 4.0b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC II 12 02 47 21.4–.62 3.69N 126.70E 0 4.3,4.2
¶15955601

IDC Error ellipse: s-maj=32.7km s-min=13.8km az=73.0.
IDC II 12 02 49 59.2–1.6 4.31N 127.45E 0 4.1,4.0
¶15955602

IDC Error ellipse: s-maj=107.8km s-min=18.6km az=62.0.
IDC II 12 02 52 27.4–1.9 3.82N 126.80E 0 3.9,3.8
¶15955603

IDC Error ellipse: s-maj=227.3km s-min=20.9km az=68.0.
IDC II 12 02 55 06.5–.88 3.35N 126.05E 0 4.0,3.9
¶15955604

IDC Error ellipse: s-maj=68.5km s-min=16.2km az=71.0.
ISC II 12 03 01 17.7–.36 3.79N–.03 126.54E–.05 53–2 5.1b,4.0s 381 3-167
IDC II 12 03 01 10.0–.40 3.68N 126.49E 0 5.0,5.0 **¶13434522**
BJI II 12 03 01 12.9 3.43N 126.65E 58 5.1b,5.0b
MOS II 12 03 01 13.6–.91 3.77N 126.46E 33 5.3b,5.0b
NEIC II 12 03 01 15.5–.16 3.81N 126.57E 35 5.1b,5.0b
ISCJB II 12 03 01 17.1–.45 3.79N–.02 126.59E–.03 65–4 5.0b,5.0b
DJA II 12 03 01 21 3.62N 126.72E 93 5.2b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=8.6km az=75.0.
MOS Error ellipse: s-maj=12.6km s-min=5.6km az=117.1.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=157.4.
ISC II 12 03 19 18.1–.40 3.66N–.04 126.79E–.06 61–2 5.0b 324 3-161
IDC II 12 03 19 09.9–.51 3.58N 126.60E 0 4.7,4.7b **¶11671946**
MOS II 12 03 19 13.4–1.0 3.67N 126.64E 33 5.3b,4.7b
BJI II 12 03 19 14.2 3.50N 126.83E 55 5.2b,4.9b
NEIC II 12 03 19 15.0–.20 3.59N 126.65E 35 5.1b,4.9b
ISCJB II 12 03 19 17.3–.51 3.64N–.03 126.77E–.05 71–4 4.9b,4.9b
DJA II 12 03 19 19 3.61N 127.02E 72 4.9b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=12.4km az=73.0.
MOS Error ellipse: s-maj=13.4km s-min=5.8km az=116.7.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.3km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.3km az=166.3.
IDC II 12 03 27 12.5–1.6 4.13N 127.50E 0 4.1,4.0
¶15955605

IDC Error ellipse: s-maj=198.8km s-min=16.2km az=68.0.
IDC II 12 03 30 09.6–1.3 3.57N 126.18E 0 4.2,4.0
¶15955606

IDC Error ellipse: s-maj=192.9km s-min=17.8km az=68.0.
IDC II 12 03 31 22.2–1.1 3.28N 126.31E 0 4.4,4.3
¶15955607

IDC Error ellipse: s-maj=147.2km s-min=15.8km az=67.0.
IDC II 12 03 40 30.7–2.3 3.82N 126.21E 0 3.9,3.8
¶15955609

IDC Error ellipse: s-maj=301.6km s-min=22.6km az=64.0.
ISC II 12 03 42 51.1–.48 3.87N–.07 126.4E–.10 45 4.5b 62 3-123
IDC II 12 03 42 44.7–.64 3.80N 126.30E 0 4.4,4.3 **¶12700160**
NEIC II 12 03 42 50.0–.96 3.77N 126.29E 36–8 4.4b,4.3
DJA II 12 03 42 55 3.65N 126.76E 63 4.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=13.1km az=70.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=4.7km az=71.0.
ISC II 12 03 47 59.9–.38 3.77N–.05 126.69E–.07 53 4.8b 154 3-149
IDC II 12 03 47 52.4–.46 3.72N 126.47E 0 4.6,4.6 **¶12700161**
ISCJB II 12 03 47 57.8–.27 3.85N–.03 126.81E–.05 53 4.8b,4.6
NEIC II 12 03 47 57.7–1.0 3.79N 126.67E 36–9 4.9b,4.6
DJA II 12 03 48 04 3.43N 126.67E 107 4.8b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=10.9km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=172.6.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.1km az=81.0.
ISC II 12 03 49 40.9–.18 3.98N–.03 126.48E–.04 35–2 6.0b,5.8s 1376 3-169
IDC II 12 03 49 35.3–.34 3.95N 126.51E 0 5.7s,5.7b **¶14189427**
MOS II 12 03 49 38.3–.94 3.92N 126.50E 33 6.1b,5.8s
ISCJB II 12 03 49 39.5–.11 3.97N–.02 126.60E–.02 41 5.9b,5.8s
BJI II 12 03 49 39.6 4.01N 126.58E 35 6.1b,5.9s
NEIC II 12 03 49 39.7–.15 3.95N 126.41E 26 6.0b,6.0W
TEH II 12 03 49 41.0 3.88N 126.48E 42 6.0L,6.0W
DJA II 12 03 49 45 3.86N 126.76E 87 5.9W,6.0W
ISC Event type fe.
IDC Error ellipse: s-maj=13.6km s-min=9.0km az=85.0.
MOS Error ellipse: s-maj=8.3km s-min=4.4km az=114.6.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.5km az=149.7.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.5km az=67.0. Felt [III] at Tahuna, Sangir and on Pulau Talaud. Felt [II PIVS] at Davao, Philippines. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s90 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s0.00000°,δ70.00000°,λ135.00000°. NP2:ϕ_s109.00000°,δ48.00000°,λ27.00000°. Principal axes: T 1.1600,Plg45.0000°,Azm315.0000° ; N -0.0200,Plg41.0000°,Azm161.0000°; P -1.1400,Plg13.0000°,Azm59.0000° $M_0$1.10000×10^{18}
IDC II 12 03 57 45.7–.73 3.67N 126.38E 0 4.6,4.5b
¶15955610

IDC Error ellipse: s-maj=71.6km s-min=16.1km az=66.0.
IDC II 12 04 01 19.0–.92 3.72N 126.68E 0 4.1,4.0
¶15955611

IDC Error ellipse: s-maj=48.3km s-min=20.0km az=71.0.
IDC II 12 04 04 12.8–2.0 3.32N 125.57E 0 4.0,3.9
¶15955612

IDC Error ellipse: s-maj=331.2km s-min=17.5km az=65.0.
IDC II 12 04 06 31.8–1.2 3.94N 126.89E 0 4.2,4.0
¶15955613

IDC Error ellipse: s-maj=107.6km s-min=15.2km az=71.0.
IDC II 12 04 14 15.1–.88 3.87N 126.44E 0 3.9,3.9
¶15955614

IDC Error ellipse: s-maj=73.9km s-min=14.8km az=73.0.
ISC II 12 04 16 39.8–.41 3.73N–.03 126.52E–.06 33–1 5.2b,4.9s 362 3-162
IDC II 12 04 16 34.4–.42 3.68N 126.35E 0 4.9,4.9 **¶13434524**
ISCJB II 12 04 16 38.0–.19 3.84N–.03 126.72E–.04 33 5.1b,4.8s
BJI II 12 04 16 38.2 3.68N 126.51E 39 5.7b,5.1s
MOS II 12 04 16 38.1–.94 3.71N 126.40E 33 5.4b,5.1s
NEIC II 12 04 16 39.6–.19 3.75N 126.50E 35 5.2b,5.1s
DJA II 12 04 16 50 3.14N 126.67E 20 5.2,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=10.2km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=169.4.
MOS Error ellipse: s-maj=13.0km s-min=5.5km az=118.4.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.2km az=73.0.
ISC II 12 04 17 26.1–.54 3.63N–.08 126.6E–.20 53 4.8b 40 11-92
IDC II 12 04 17 19.2–.80 3.62N 126.50E 0 4.8,4.7 **¶14189429**
ISCJB II 12 04 17 24.2–.40 3.64N–.06 126.6E–.10 53 4.8b,4.7
NEIC II 12 04 17 24.2–.30 3.63N 126.54E 35 4.8b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=16.3km az=68.0.

ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=7.6km az=163.8.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=5.8km az=72.0.
ISC II 12 04 27 07.4–.26 4.05N–.04 126.65E–.05 45 5.1b,4.6s 392 3-158
IDC II 12 04 27 00.9–.41 4.03N 126.50E 0 4.9,4.9b ¶13434525
BJI II 12 04 27 02.8 3.79N 126.70E 35 5.5b,5.1b
MOS II 12 04 27 04.6–.95 4.04N 126.58E 33 5.3b,5.1b
ISCJB II 12 04 27 05.8–.16 4.06N–.02 126.75E–.03 45 5.1b,4.7s
NEIC II 12 04 27 06.2–.16 4.01N 126.57E 35 5.2b,4.7s
DJA II 12 04 27 12 3.72N 126.77E 43 5.1b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=10.2km az=75.0.
MOS Error ellipse: s-maj=11.2km s-min=5.4km az=114.1.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=161.9.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.7km az=69.0.
ISC II 12 04 32 52.3–.57 3.71N–.08 126.9E–.10 48 4.5b 59 3-121
IDC II 12 04 32 45.6–.66 3.63N 126.70E 0 4.4,4.3 ¶12700168
ISCJB II 12 04 32 50.6–.46 3.74N–.06 126.89E–.09 48 4.5b,4.3
NEIC II 12 04 32 51.9–.39 3.84N 126.77E 35 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=13.9km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=8.7km az=169.1.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=7.6km az=79.0.
ISC II 12 04 33 29.9–.55 3.59N–.09 126.6E–.20 53 4.7b 60 20-146
IDC II 12 04 33 22.9–.60 3.60N 126.59E 0 4.6,4.5 ¶12700169
NEIC II 12 04 33 24.9–3.7 3.62N 126.67E 14–23 4.8b,4.5
ISCJB II 12 04 33 28.0–.41 3.59N–.06 126.6E–.10 53 4.6b,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 12 04 36 48.4–.81 3.63N 126.72E 0 4.2,4.1
¶15955615
IDC Error ellipse: s-maj=54.9km s-min=15.9km az=74.0.
IDC II 12 04 38 00.9–1.1 3.71N 126.82E 0 4.0,4.0
¶15955616
IDC Error ellipse: s-maj=75.7km s-min=24.0km az=65.0.
IDC II 12 04 38 19.6–.75 3.63N 126.80E 0 4.5,4.4b
¶15955619
IDC Error ellipse: s-maj=49.6km s-min=15.8km az=66.0.
ISC II 12 04 40 02.3–.39 4.10N–.03 126.74E–.05 34–1 5.0b,4.5s 377 3-158
BJI II 12 04 39 56.8 3.69N 126.78E 30 5.4b,4.9s ¶11671957
IDC II 12 04 39 57.2–.42 4.06N 126.53E 0 4.7,4.7
ISCJB II 12 04 40 00.5–.18 4.15N–.03 126.77E–.04 33 5.0b,4.5s
MOS II 12 04 40 00.4–.93 4.07N 126.65E 33 5.3b,4.5s
NEIC II 12 04 40 02.2–.18 4.12N 126.73E 35 5.0b,4.5s
DJA II 12 04 40 07 3.85N 126.73E 67 4.9b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=10.5km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.6km az=155.7.
MOS Error ellipse: s-maj=13.0km s-min=5.7km az=116.8.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.9km az=68.0.
IDC II 12 04 46 55.1–1.3 3.55N 125.70E 0 4.0,3.9
¶15955620
IDC Error ellipse: s-maj=197.1km s-min=20.2km az=66.0.
IDC II 12 04 47 07.8–1.1 3.84N 126.37E 0 4.2,4.1
¶15955623
IDC Error ellipse: s-maj=169.6km s-min=15.9km az=68.0.
IDC II 12 04 50 04.5–3.2 3.98N 126.59E 0 4.2s,4.2
¶15955624
IDC Error ellipse: s-maj=448.6km s-min=25.6km az=67.0.
IDC II 12 04 50 52.8–.85 3.93N 126.65E 0 4.3,4.1
¶15955627
IDC Error ellipse: s-maj=61.0km s-min=14.4km az=68.0.
IDC II 12 04 52 35.1–1.3 3.58N 126.17E 0 3.8,3.8
¶15955628
IDC Error ellipse: s-maj=188.7km s-min=18.6km az=68.0.
ISC II 12 04 55 29.1–.40 3.80N–.06 126.39E–.09 45 4.6b,4.5s 98 3-123
IDC II 12 04 55 22.7–.53 3.76N 126.16E 0 4.4,4.3 ¶11671958
BJI II 12 04 55 24.3 3.44N 126.72E 45 5.0b,4.7s
ISCJB II 12 04 55 27.6–.29 3.78N–.05 126.35E–.07 45 4.5b,4.5s
NEIC II 12 04 55 28.2–.29 3.77N 126.39E 35 4.6b,4.5s
DJA II 12 04 55 29 3.99N 126.68E 44 4.6b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=11.5km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=5.6km az=159.6.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.8km az=71.0.
IDC II 12 05 02 34.1–1.1 3.87N 126.77E 0 4.0,3.9
¶15955629
IDC Error ellipse: s-maj=107.8km s-min=15.2km az=71.0.
IDC II 12 05 05 52.5–1.3 3.83N 126.20E 0 3.9,3.7b
¶15955630
IDC Error ellipse: s-maj=186.3km s-min=17.1km az=67.0.
IDC II 12 05 10 34.4–1.5 3.76N 126.81E 0 4.1s,4.1
¶15955631
IDC Error ellipse: s-maj=121.7km s-min=19.4km az=73.0.
IDC II 12 05 12 26.1–1.3 3.67N 125.16E 0 3.9,3.7
¶15955632
IDC Error ellipse: s-maj=126.9km s-min=19.2km az=71.0.
IDC II 12 05 29 24.8–1.2 3.90N 127.21E 0 4.1,4.0b
¶15955633
IDC Error ellipse: s-maj=108.8km s-min=15.1km az=71.0.
IDC II 12 05 32 18.4–1.5 4.01N 127.06E 0 3.9,3.8
¶15955634
IDC Error ellipse: s-maj=121.4km s-min=16.0km az=69.0.
IDC II 12 05 32 42.8–1.1 3.89N 126.26E 0 4.3,4.2
¶15955637
IDC Error ellipse: s-maj=137.4km s-min=15.5km az=67.0.
ISC II 12 05 34 52.4–.44 3.88N–.07 126.6E–.10 39–4 4.5b,4.2s 94 3-123
IDC II 12 05 34 46.7–.50 3.80N 126.29E 0 4.3,4.3 ¶11671959
ISCJB II 12 05 34 49.4–1.5 3.84N–.06 126.5E–.10 33–13 4.4b,4.4s
BJI II 12 05 34 50.4 3.94N 126.71E 39 5.1b,4.6s
NEIC II 12 05 34 51.8–.34 3.93N 126.51E 35 4.6b,4.6s
DJA II 12 05 34 52 4.22N 126.98E 27 4.9b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=11.5km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=6.9km az=158.7.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=6.5km az=69.0.
ISC II 12 05 37 15.1–.42 3.81N–.07 126.6E–.10 45 4.5b 60 3-157
DJA II 12 05 37 07 7.12N 128.99E 309 5.1b ¶15955638
IDC II 12 05 37 08.6–.43 3.87N 126.55E 0 4.5,4.5
ISCJB II 12 05 37 13.1–.32 3.85N–.05 126.61E–.07 45 4.5b,4.3s
ISC Event type ke.
ISCJB Event type ke.
IDC II 12 05 56 16.2–1.0 3.87N 126.84E 0 3.9,3.7
¶15955639
IDC Error ellipse: s-maj=101.7km s-min=15.2km az=71.0.
ISC II 12 06 02 00.6–.29 4.09N–.04 126.84E–.05 37–3 5.0b,4.3s 363 3-169
IDC II 12 06 01 54.6–.41 4.12N 126.74E 0 4.7,4.7b ¶11671960
BJI II 12 06 01 56.4 3.84N 126.84E 35 5.1b,4.8b
MOS II 12 06 01 58.7–.98 4.08N 126.68E 39 5.1b,4.8b
NEIC II 12 06 01 60.0–.19 4.14N 126.88E 35 5.0b,4.8b
ISCJB II 12 06 02 01.2–.54 4.12N–.03 126.88E–.04 63–5 5.0b,4.8b
DJA II 12 06 02 05 3.96N 126.92E 84 5.0b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=10.0km az=76.0.
MOS Error ellipse: s-maj=12.9km s-min=5.6km az=116.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.0km az=162.0.
IDC II 12 06 06 49.8–1.5 3.94N 126.82E 0 4.2,4.1
¶15955640
IDC Error ellipse: s-maj=186.8km s-min=24.7km az=68.0.
IDC II 12 06 09 58.1–.92 4.04N 126.68E 0 4.1,4.0b
¶15955641
IDC Error ellipse: s-maj=66.6km s-min=14.5km az=68.0.
ISC II 12 06 13 06.2–.62 3.9N–.10 126.8E–.20 36 4.0b 34 22-123
IDC II 12 06 13 00.5–.67 3.95N 126.83E 0 4.2,4.0 ¶12700189
ISCJB II 12 06 13 03.9–.51 3.94N–.09 126.8E–.20 36 4.0b,4.0
NEIC II 12 06 13 05.9–.43 3.91N 126.74E 35 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=14.1km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=9.6km az=160.9.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=8.8km az=72.0.
ISC II 12 06 17 28.2–.30 3.88N–.05 126.78E–.07 36 4.7b,4.4s 180 3-167
BJI II 12 06 17 19.0 3.01N 126.98E 35 5.2b,4.7b ¶11671961
IDC II 12 06 17 22.5–.39 3.89N 126.63E 0 4.6,4.5
ISCJB II 12 06 17 26.1–.22 3.86N–.04 126.70E–.06 36 4.7b,4.3s
NEIC II 12 06 17 27.7–.19 3.90N 126.72E 35 4.8b,4.3s
DJA II 12 06 17 28 3.83N 127.04E 7 5.1b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=9.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=3.7km az=156.3.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.0km az=70.0.
ISC II 12 06 29 44.5–.55 4.00N–.08 126.6E–.20 45 4.4b 55 3-123
IDC II 12 06 29 38.2–.60 4.00N 126.66E 0 4.4,4.3 ¶12700190
ISCJB II 12 06 29 42.8–.42 3.91N–.08 126.6E–.20 45 4.3b,4.3
NEIC II 12 06 29 43.3–.28 3.93N 126.61E 35 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=12.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=7.3km az=160.1.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=5.7km az=71.0.
IDC II 12 06 34 34.0–1.6 3.74N 126.74E 0 4.0,3.8
¶15955642
IDC Error ellipse: s-maj=213.9km s-min=19.9km az=68.0.
IDC II 12 06 39 13.8–4.3 4.53N 127.89E 0 4.0,3.8
¶15955643
IDC Error ellipse: s-maj=415.8km s-min=26.6km az=66.0.
IDC II 12 06 41 56.9–1.1 4.16N 127.42E 0 3.7,3.5
¶15955644
IDC Error ellipse: s-maj=66.8km s-min=21.0km az=79.0.
IDC II 12 06 50 22.0–1.4 3.82N 127.28E 0 4.2,4.1
¶15955645
IDC Error ellipse: s-maj=112.5km s-min=19.8km az=70.0.
IDC II 12 06 52 19.0–1.8 4.08N 126.81E 0 4.0,3.8b
¶15955646
IDC Error ellipse: s-maj=123.0km s-min=23.1km az=68.0.
ISC II 12 07 07 37.6–.32 3.97N–.03 126.67E–.04 33–1 5.5b,4.4s 694 3-167
IDC II 12 07 07 32.3–.36 3.99N 126.60E 0 5.1,5.1 ¶13434527
MOS II 12 07 07 36.0–.93 4.00N 126.61E 33 5.6b,4.4s
ISCJB II 12 07 07 36.2–.14 4.07N–.02 126.75E–.03 34 5.4b,4.4s
NEIC II 12 07 07 37.8–.14 4.02N 126.66E 35 5.5b,4.4s
BJI II 12 07 07 37.0 4.09N 126.59E 35 5.4b,5.2b
DJA II 12 07 07 43 3.82N 126.73E 58 5.2b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=9.5km az=82.0.
MOS Error ellipse: s-maj=9.6km s-min=4.6km az=115.4.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.8km az=168.1.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.5km az=72.0.
IDC II 12 07 13 34.1–1.1 3.96N 126.64E 0 4.0,3.8
¶15955647
IDC Error ellipse: s-maj=81.1km s-min=20.6km az=71.0.
IDC II 12 07 16 42.2–1.3 3.86N 126.24E 0 4.0,3.9
¶15955648
IDC Error ellipse: s-maj=194.0km s-min=16.9km az=68.0.
IDC II 12 07 23 51.6–1.2 3.67N 126.42E 0 4.1,3.9
¶15955649
IDC Error ellipse: s-maj=110.3km s-min=18.0km az=71.0.
ISC II 12 07 32 19.9–.46 4.00N–.06 126.7E–.10 45 4.7b 112 3-157
BJI II 12 07 32 12.2 3.44N 126.63E 30 5.1b,4.9b ¶11672754
IDC II 12 07 32 13.6–.54 3.93N 126.38E 0 4.5,4.5
ISCJB II 12 07 32 18.1–.41 4.02N–.05 126.74E–.08 45 4.7b,4.5
NEIC II 12 07 32 18.9–.27 3.91N 126.45E 35 4.8b,4.5
DJA II 12 07 32 25 3.96N 126.81E 92 4.7b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=12.9km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=7.1km az=169.9.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=5.2km az=73.0.
ISC II 12 07 38 06.7–.30 3.76N–.03 126.93E–.04 33–1 5.5b,5.2s 684 3-169
IDC II 12 07 38 01.3–.33 3.72N 126.82E 0 5.3,5.2s ¶13434529
BJI II 12 07 38 02.7 3.39N 126.97E 33 5.6b,5.4s
MOS II 12 07 38 05.0–1.1 3.71N 126.76E 33 5.7b,5.2s
NEIC II 12 07 38 06.8–.14 3.71N 126.79E 35 5.6W,5.5b
ISCJB II 12 07 38 06.7–.50 3.73N–.02 126.91E–.03 48–4 5.5b,5.2s
DJA II 12 07 38 11 3.63N 126.96E 77 5.2W,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=8.9km az=74.0.
MOS Error ellipse: s-maj=9.7km s-min=4.5km az=113.8.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.6km az=72.0. Moment Tensor Solution. s40 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-0.98 $M_{r\theta}$0.99 $M_{\theta\phi}$0.82 $M_{\phi r}$2.17 Best double couple: NP1:ϕ_s130.00000°,δ25.00000°,λ34.00000°. NP2:ϕ_s8.00000°,δ76.00000°,λ111.00000°. Principal axes: T 3.1700,Plg54.0000°,Azm303.0000°; N -0.9000,Plg20.0000°,Azm182.0000°; P -2.2700,Plg27.0000°,Azm80.0000° M_o2.80000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.6km az=154.5.
IDC II 12 07 43 21.9–.65 3.51N 126.70E 0 5.2s,5.2
¶15955652
IDC Error ellipse: s-maj=37.5km s-min=14.4km az=64.0.
IDC II 12 07 48 19.7–.74 3.99N 126.83E 0 4.2,4.1
¶15955653
IDC Error ellipse: s-maj=42.5km s-min=13.0km az=72.0.
IDC II 12 07 52 08.5–1.2 3.63N 126.75E 0 4.1,4.0
¶15955654
IDC Error ellipse: s-maj=154.1km s-min=16.4km az=67.0.
IDC II 12 07 52 52.3–1.2 3.65N 126.90E 0 4.1,4.0
¶15955657
IDC Error ellipse: s-maj=162.9km s-min=18.7km az=66.0.
ISC II 12 07 54 42.3–.49 3.90N–.07 126.6E–.10 45 4.6b 72 3-157
IDC II 12 07 54 35.8–.57 3.96N 126.54E 0 4.5,4.4 ¶12700205
BJI II 12 07 54 37.9 3.41N 126.58E 53 5.3b,4.7s
ISCJB II 12 07 54 40.8–.40 3.86N–.05 126.4E–.10 45 4.5b,4.7s
NEIC II 12 07 54 41.2–.30 3.92N 126.53E 35 4.7b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=34.6km s-min=11.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=6.4km az=169.2.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=5.9km az=71.0.
IDC II 12 07 57 02.0–.92 3.92N 126.48E 0 4.1,3.9
¶15955658
IDC Error ellipse: s-maj=74.3km s-min=19.8km az=70.0.
IDC II 12 07 57 26.6–.70 3.76N 127.05E 0 4.5,4.4
¶12700207
IDC Error ellipse: s-maj=45.5km s-min=14.1km az=69.0.
ISC II 12 08 10 43.6–.63 4.0N–.10 126.7E–.20 45 4.3b 32 22-123
IDC II 12 08 10 37.1–.69 3.97N 126.56E 0 4.3,4.2 ¶12700208
NEIC II 12 08 10 42.3–.40 3.90N 126.53E 35 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=55.6km s-min=13.2km az=66.0.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=7.8km az=66.0.
IDC II 12 08 15 16.4–2.0 3.88N 126.64E 0 3.8,3.8
¶15955659
IDC Error ellipse: s-maj=209.4km s-min=25.9km az=70.0.
ISC II 12 08 16 26.6–.47 3.88N–.07 126.7E–.10 45 4.6b 74 3-157
DJA II 12 08 16 19.4–1.0 5N–8.0 128E–9.0 10 5.8b,5.4 ¶11672755
BJI II 12 08 16 20.9 3.24N 126.68E 60 5.2b,4.6b
IDC II 12 08 16 20.1–.52 3.92N 126.59E 0 4.5,4.4
ISCJB II 12 08 16 24.3–.38 3.93N–.06 126.8E–.10 45 4.6b,4.4

NEIC II 12 08 16 25.2–.35 3.92N 126.77E 35 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=11.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=6.4km az=160.5.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=7.3km az=70.0.
IDC II 12 08 22 32.5–1.5 3.91N 126.86E 0 4.2,4.0
¶15955660

IDC Error ellipse: s-maj=122.7km s-min=17.5km az=68.0.
ISC II 12 08 30 18.1–.16 3.93N–.02 126.68E–.03 45 5.8b,5.7s 1278 3-169
IDC II 12 08 30 11.9–.31 3.99N 126.74E 0 5.6,5.6s ¶11671968
MOS II 12 08 30 15.7–1.1 4.01N 126.69E 33 6.1b,5.8s
ISCJB II 12 08 30 16.6–.11 3.98N–.02 126.82E–.02 45 5.8b,5.7s
NEIC II 12 08 30 17.3–.10 3.97N 126.72E 35 5.9b,5.9W
BJI II 12 08 30 17.6 4.27N 126.77E 33 5.9s,5.8b
DJA II 12 08 30 22 3.82N 126.87E 74 5.8W,5.8b
ISC Event type se.
IDC Error ellipse: s-maj=13.1km s-min=8.6km az=74.0.
MOS Error ellipse: s-maj=9.2km s-min=4.4km az=116.2.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.1km az=164.3.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=72.0. Moment Tensor Solution.
s54 Moment tensor: Scale 10^{17}Nm; M_{rr}5.24 $M_{\theta\theta}$-1.61 $M_{\phi\phi}$-3.63 $M_{r\theta}$-0.26 $M_{\theta r}$1.70 $M_{\phi r}$2.41
Best double couple: NP1:ϕ_s339.00000°,δ58.00000°,λ99.00000°. NP2:ϕ_s143.00000°
,δ33.00000°,λ76.00000°. Principal axes: T 5.8600,Plg75.0000°,Azm275.0000°
; N -0.7700,Plg7.0000°,Azm154.0000°; P -5.0900,Plg12.0000°,Azm63.0000°
M_o5.50000×10^{17}
IDC II 12 08 37 15.5–.82 3.98N 126.62E 0 5.1s,5.1
¶15955662

IDC Error ellipse: s-maj=49.6km s-min=18.5km az=67.0.
ISC II 12 08 38 35.8–1.3 4.01N–.05 126.5E–.10 84–12 4.9b 124 3-158
IDC II 12 08 38 25.2–.45 4.00N 126.40E 0 4.8,4.8 ¶12700214
NEIC II 12 08 38 30.3–.23 4.01N 126.51E 35 5.0b,4.8
ISCJB II 12 08 38 31.9–1.3 3.99N–.04 126.51E–.07 65–11 4.9b,4.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 12 08 45 29.7–.59 3.73N–.10 126.2E–.20 116 4.1b 33 3-122
IDC II 12 08 45 16.3–.59 3.75N 126.17E 0 4.4,4.2 ¶12700215
NEIC II 12 08 45 21.5–.37 3.71N 126.16E 35 4.7b,4.2
ISCJB II 12 08 45 28.2–.42 3.69N–.08 126.2E–.20 116 4.2b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 12 08 47 13.8–.51 3.87N–.07 126.6E–.10 45 4.6b 78 3-123
IDC II 12 08 47 07.2–.60 3.84N 126.44E 0 4.5,4.5 ¶11672756
ISCJB II 12 08 47 11.8–.37 3.84N–.06 126.51E–.10 45 4.6b,4.5
NEIC II 12 08 47 12.4–.28 3.83N 126.51E 35 4.7b,4.5
DJA II 12 08 47 53 2.83N 124.51E 168 5.0,4.5
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=13.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=7.2km az=161.3.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.6km az=73.0.
IDC II 12 08 59 06.0–1.8 3.99N 126.69E 0 4.0,3.9
¶15955663

IDC Error ellipse: s-maj=213.9km s-min=19.5km az=68.0.
ISC II 12 09 12 32.9–.41 4.04N–.05 126.52E–.08 45 4.5b 82 3-124
IDC II 12 09 12 26.4–.55 3.97N 126.40E 0 4.4,4.4 ¶12700218
ISCJB II 12 09 12 31.2–.29 4.07N–.04 126.69E–.06 45 4.4b,4.4
NEIC II 12 09 12 31.6–.30 3.97N 126.37E 35 4.6b,4.4
DJA II 12 09 12 35 3.89N 126.79E 52 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=12.3km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.0km az=165.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.2km az=73.0.
IDC II 12 09 15 02.7–.68 3.99N 126.65E 0 5.1s,5.1
¶15955664

IDC Error ellipse: s-maj=36.1km s-min=14.4km az=72.0.
IDC II 12 09 20 13.5–.80 3.64N 126.90E 0 4.0,3.9
¶15955665

IDC Error ellipse: s-maj=63.3km s-min=14.5km az=71.0.
IDC II 12 09 22 28.4–1.9 3.82N 126.14E 0 3.8,3.8
¶15955666

IDC Error ellipse: s-maj=191.0km s-min=25.1km az=69.0.
IDC II 12 09 40 44.4–1.8 3.91N 126.67E 0 4.0,3.8
¶15955667

IDC Error ellipse: s-maj=123.5km s-min=23.4km az=68.0.
IDC II 12 09 42 11.2–1.8 4.00N 126.77E 0 4.0,3.9
¶15955668

IDC Error ellipse: s-maj=119.1km s-min=23.2km az=68.0.
IDC II 12 09 48 38.7–1.8 3.23N 126.08E 0 3.6s,3.6
¶15955669

IDC Error ellipse: s-maj=206.3km s-min=25.2km az=69.0.
IDC II 12 10 01 35.3–1.6 3.52N 126.58E 0 3.6,3.6
¶15955671

IDC Error ellipse: s-maj=186.6km s-min=19.3km az=68.0.
IDC II 12 10 03 10.9–3.1 3.91N 126.61E 0 3.7,3.7
¶15955672

IDC Error ellipse: s-maj=415.0km s-min=19.8km az=65.0.
IDC II 12 10 03 36.9–.78 3.94N 126.78E 0 4.1,4.0
¶15955675

IDC Error ellipse: s-maj=46.8km s-min=14.6km az=69.0.
ISC II 12 10 06 32.4–.56 3.5N–.10 126.5E–.20 53 4.5b 53 22-122
IDC II 12 10 06 25.3–.65 3.58N 126.59E 0 4.5,4.4b ¶13434533
ISCJB II 12 10 06 30.7–.43 3.52N–.08 126.5E–.10 53 4.4b,4.4b
NEIC II 12 10 06 30.6–.29 3.54N 126.51E 35 4.6b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=47.1km s-min=13.6km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=7.7km az=156.7.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=5.4km az=66.0.
ISC II 12 10 08 08.7–.82 3.8N–.20 126.6E–.30 45 4.0b 14 22-90
IDC II 12 10 08 02.1–.78 3.93N 126.67E 0 4.2,4.0 ¶15955676
ISCJB II 12 10 08 06.6–.70 3.9N–.10 126.6E–.30 45 4.1b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC II 12 10 09 54.2–1.6 3.70N 126.49E 0 4.0s,4.0
¶15955677

IDC Error ellipse: s-maj=179.6km s-min=24.7km az=68.0.
ISC II 12 10 19 45.1–1.3 3.79N–.06 126.6E–.10 57–11 4.5b 95 3-157
IDC II 12 10 19 37.3–.48 3.96N 126.57E 0 4.7s,4.7 ¶12700233
NEIC II 12 10 19 42.7–.32 3.93N 126.68E 35 4.6b,4.7
ISCJB II 12 10 19 45.8–1.0 3.86N–.05 126.60E–.10 82–8 4.4b,4.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 12 10 29 08.6–.69 3.64N 126.22E 0 4.1,4.0
¶12700235

IDC Error ellipse: s-maj=33.8km s-min=13.9km az=74.0.
ISC II 12 10 29 31.9–.60 4.03N–.10 126.6E–.10 45 4.4b 36 11-116
IDC II 12 10 29 25.5–.80 4.01N 126.64E 0 4.3,4.2 ¶15955678
ISCJB II 12 10 29 30.1–.44 4.06N–.07 126.60E–.09 45 4.3b,4.2
NEIC II 12 10 29 30.9–.31 4.07N 126.67E 35 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=17.1km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.5km az=156.7.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.7km az=62.0.
IDC II 12 10 32 35.2–1.6 3.79N 126.15E 0 3.9,3.7
¶15955680

IDC Error ellipse: s-maj=237.2km s-min=25.3km az=68.0.
IDC II 12 10 41 01.4–3.3 3.79N 126.59E 0 3.9,3.7
¶15955681

IDC Error ellipse: s-maj=368.7km s-min=25.1km az=65.0.
IDC II 12 10 41 57.1–1.3 3.79N 126.81E 0 4.0,3.8
¶15955684

IDC Error ellipse: s-maj=110.2km s-min=18.2km az=71.0.
ISC II 12 10 45 26.2–.69 4.0N–.10 126.6E–.20 45 4.2b 33 16-123
IDC II 12 10 45 19.6–.81 3.99N 126.68E 0 4.2,4.0 ¶12700239
ISCJB II 12 10 45 24.3–.51 4.01N–.08 126.6E–.10 45 4.1b,4.0
NEIC II 12 10 45 25.0–.39 4.01N 126.63E 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=48.8km s-min=14.9km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=8.6km az=153.9.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=6.7km az=67.0.
ISC II 12 10 51 40.0–.57 3.63N–.10 126.6E–.20 53 4.4b 41 22-140
IDC II 12 10 51 32.5–.63 3.62N 126.57E 0 4.3,4.2 ¶12700240
ISCJB II 12 10 51 37.9–.44 3.61N–.08 126.6E–.20 53 4.3b,4.2
NEIC II 12 10 51 38.0–.41 3.66N 126.67E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=14.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=8.5km az=163.0.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=8.7km az=72.0.
ISC II 12 11 05 24.9–.39 3.76N–.06 126.50E–.08 45 4.5b 95 3-122
IDC II 12 11 05 18.7–.52 3.69N 126.32E 0 4.4,4.4 ¶13434537
BJI II 12 11 05 21.9 3.72N 126.04E 29 5.0b,4.6b
ISCJB II 12 11 05 23.2–.27 3.78N–.04 126.55E–.07 45 4.5b,2.9s
NEIC II 12 11 05 23.7–.30 3.77N 126.45E 35 4.7b,2.9s
DJA II 12 11 05 27 3.78N 126.84E 64 4.7b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=12.0km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=4.9km az=160.1.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.2km az=73.0.
ISC II 12 11 09 59.0–2.1 3.95N–.08 126.6E–.10 26–14 4.2b 57 3-123
IDC II 12 11 09 55.1–.56 3.98N 126.60E 0 4.3,4.3 ¶12700243
NEIC II 12 11 10 00.1–.26 3.96N 126.64E 35 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=13.4km az=74.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.6km az=75.0.
IDC II 12 11 28 38.5–1.4 3.93N 126.48E 0 3.7,3.6
¶15955686

IDC Error ellipse: s-maj=202.7km s-min=19.9km az=68.0.
IDC II 12 11 33 30.8–1.4 3.70N 126.82E 0 4.3s,4.3
¶15955687

IDC Error ellipse: s-maj=192.6km s-min=17.7km az=68.0.
ISC II 12 11 35 13.4–.31 3.92N–.03 126.64E–.05 33–1 5.2b,4.2s 540 3-150
IDC II 12 11 35 08.5–.42 3.94N 126.52E 0 4.9,4.9 ¶11671976
ISCJB II 12 11 35 12.0–.17 4.04N–.02 126.80E–.03 36 5.2b,4.3s
BJI II 12 11 35 11.9 3.85N 126.67E 44 5.4b,5.2b
MOS II 12 11 35 11.8–1.1 4.00N 126.61E 33 5.5b,4.2s
NEIC II 12 11 35 13.6–.18 3.99N 126.69E 35 5.3b,4.2s
DJA II 12 11 35 17 3.85N 126.88E 69 5.0b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=10.5km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.3km az=165.1.
MOS Error ellipse: s-maj=11.3km s-min=5.0km az=114.6.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=70.0.
IDC II 12 11 40 38.5–1.4 3.95N 126.47E 0 4.1,4.0
¶15955688

IDC Error ellipse: s-maj=191.5km s-min=17.6km az=68.0.
IDC II 12 11 44 35.3–.79 3.56N 126.02E 0 3.9,3.8
¶15955689

IDC Error ellipse: s-maj=52.9km s-min=14.6km az=73.0.
IDC II 12 11 50 28.9–1.7 3.79N 126.85E 0 3.6,3.5
¶15955690

IDC Error ellipse: s-maj=205.8km s-min=20.0km az=69.0.
ISC II 12 11 56 40.2–.78 3.77N–.09 126.6E–.20 45 4.1b 25 11-85
IDC II 12 11 56 33.9–.79 3.85N 126.67E 0 4.1,4.0 ¶12700250
ISCJB II 12 11 56 38.1–.56 3.77N–.08 126.5E–.20 45 4.3b,4.0
NEIC II 12 11 56 38.9–.48 3.82N 126.63E 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=47.5km s-min=14.3km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=9.2km az=163.8.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=8.0km az=74.0.
IDC II 12 12 02 56.4–3.2 3.47N 125.95E 0 3.9,3.8
¶12700252

IDC Error ellipse: s-maj=396.7km s-min=25.1km az=64.0.
ISC II 12 12 03 08.6–.52 3.97N–.08 126.7E–.10 36 4.6b 64 11-99
IDC II 12 12 03 03.3–.60 3.98N 126.79E 0 4.5,4.4 ¶15955691
ISCJB II 12 12 03 06.7–.34 3.94N–.05 126.69E–.09 36 4.5b,4.4
DJA II 12 12 03 07 4.29N 127.06E 10 4.8,4.4
BJI II 12 12 03 07.1 4.06N 126.54E 29 4.8b,4.3b
NEIC II 12 12 03 08.4–.23 3.95N 126.75E 35 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=13.0km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=6.3km az=159.9.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.5km az=70.0.
IDC II 12 12 04 42.4–1.6 4.21N 127.32E 0 4.4,4.2
¶15955693

IDC Error ellipse: s-maj=226.0km s-min=18.8km az=68.0.
IDC II 12 12 10 10.1–1.2 3.88N 127.60E 0 3.8,3.8
¶12700255

IDC Error ellipse: s-maj=66.7km s-min=16.0km az=69.0.
ISC II 12 12 10 34.8–.89 4.3N–.10 127.2E–.20 36 4.3b 18 11-90
IDC II 12 12 10 29.4–1.1 4.43N 127.40E 0 4.2,4.1 ¶15955694
ISCJB II 12 12 10 32.8–.76 4.3N–.10 127.1E–.10 36 4.2b,4.1
NEIC II 12 12 10 34.6–.71 4.24N 127.16E 35 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=71.3km s-min=18.5km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=11.4km az=146.8.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=10.9km az=58.0.
IDC II 12 12 16 15.3–1.6 3.94N 126.52E 0 3.6,3.4
¶12700257

IDC Error ellipse: s-maj=228.5km s-min=21.5km az=70.0.
ISC II 12 12 16 34.5–.63 3.9N–.10 126.4E–.10 45 4.3b 41 10-98
IDC II 12 12 16 28.1–.70 3.96N 126.55E 0 4.3,4.2 ¶15955696
ISCJB II 12 12 16 32.6–.47 3.89N–.07 126.4E–.10 45 4.2b,4.2
NEIC II 12 12 16 33.3–.29 3.93N 126.49E 35 4.0b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=13.8km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=8.5km az=153.7.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.3km az=64.0.
ISC II 12 12 24 05.6–.37 3.84N–.05 126.90E–.08 36 4.5b 89 3-124
IDC II 12 12 24 00.0–.51 3.77N 126.58E 0 4.4,4.4 ¶12700258
ISCJB II 12 12 24 04.0–.28 3.83N–.04 126.88E–.07 36 4.5b,3.3s
NEIC II 12 12 24 05.0–.22 3.80N 126.63E 35 4.8b,3.3s
DJA II 12 12 24 10 3.53N 126.78E 29 4.6b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=11.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=4.7km az=163.5.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.3km az=69.0.
ISC II 12 12 29 34.0–.85 3.53N–.10 126.7E–.20 48 4.2b 24 11-92
IDC II 12 12 29 27.3–.95 3.63N 126.90E 0 4.2,4.1 ¶12700259
ISCJB II 12 12 29 32.4–.63 3.50N–.08 126.6E–.20 48 4.1b,4.1
NEIC II 12 12 29 32.7–.49 3.57N 126.76E 35 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=66.3km s-min=14.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=9.8km az=163.9.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=7.8km az=75.0.
IDC II 12 12 33 26.7–1.1 3.96N 126.96E 0 4.3,4.1
¶15955698

IDC Error ellipse: s-maj=67.8km s-min=16.6km az=68.0.
IDC II 12 12 40 39.0–2.4 4.15N 127.91E 0 3.9,3.7b
¶15955700

IDC Error ellipse: s-maj=140.5km s-min=25.0km az=71.0.
ISC II 12 12 46 00.8–.90 4.07N–.07 126.69E–.08 51–8 4.4b,3.3s 72 3-123

IDC II 12 12 45 53.5–.61 4.17N 126.86E 0 4.4,4.2b ¶12700265
NEIC II 12 12 45 58.6–.24 4.11N 126.78E 35 4.5b,4.2b
DJA II 12 12 46 03 3.98N 126.99E 66 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=13.4km az=75.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.7km az=73.0.
IDC II 12 12 53 19.6–2.4 3.81N 126.15E 0 3.9,3.7
¶15955701
IDC Error ellipse: s-maj=323.3km s-min=20.9km az=67.0.
IDC II 12 13 05 14.3–1.2 4.03N 126.96E 0 4.1,3.9
¶15955703
IDC Error ellipse: s-maj=86.3km s-min=17.2km az=64.0.
IDC II 12 13 12 40.3–1.5 3.53N 126.02E 0 3.7,3.5
¶15955704
IDC Error ellipse: s-maj=201.3km s-min=20.1km az=68.0.
IDC II 12 13 13 01.0–1.4 3.88N 126.24E 0 3.9,3.8
¶15955707
IDC Error ellipse: s-maj=198.4km s-min=17.0km az=67.0.
ISC II 12 13 14 32.6–.50 4.01N–.08 126.5E–.10 45 4.4b 64 11-123
IDC II 12 13 14 26.4–.53 4.05N 126.52E 0 4.4,4.4 ¶11671979
ISCJB II 12 13 14 30.6–.35 3.95N–.06 126.41E–.10 45 4.3b,4.4
NEIC II 12 13 14 31.4–.25 4.00N 126.50E 35 4.5b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=12.3km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=7.3km az=163.7.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.3km az=73.0.
ISC II 12 13 15 07.3–.23 4.07N–.02 126.59E–.03 33–1 6.1b,6.1s 1425 3-169
IDC II 12 13 15 02.2–.31 4.03N 126.54E 0 6.0s,6.0 ¶12700271
BJI II 12 13 15 03.1 3.73N 126.66E 37 6.4b,6.1s
ISCJB II 12 13 15 05.8–.10 4.07N–.02 126.63E–.02 35 6.0s,6.0b
MOS II 12 13 15 05.4–1.0 4.03N 126.60E 33 6.2b,6.0b
NEIC II 12 13 15 06.3–.10 4.04N 126.55E 27 6.3W,6.2W
TEH II 12 13 15 08.0 4.06N 126.56E 35 6.4L,6.2W
DJA II 12 13 15 12 3.91N 126.74E 66 6.2W,6.2W
ISC Event type fe.
IDC Error ellipse: s-maj=12.7km s-min=9.1km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=156.0.
MOS Error ellipse: s-maj=8.0km s-min=4.2km az=116.8.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.9km az=57.0. Felt [IV] at Melonguanne and [III] at Sangihe and in the Kepulauan Talaud. Also felt at Davao, Philippines. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s10.00000° ,δ70.00000°,λ100.00000°. NP2:ϕ_s163.00000°,δ22.00000°,λ64.00000°. Principal axes: T Plg64.0000°,Azm296.0000°; N Plg0.0000°,Azm0.0000°; P Plg24.0000°,Azm92.0000° Moment Tensor Solution. s65 Moment tensor: Scale 10^{18}Nm; M_{rr}1.56 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-1.75 $M_{r\theta}$0.53 $M_{\theta\phi}$1.18 $M_{\phi r}$0.77 Best double couple: NP1:ϕ_s1.00000°,δ59.00000°,λ126.00000°. NP2:ϕ_s127.00000°,δ46.00000°,λ46.00000°. Principal axes: T 2.0900,Plg58.0000° ,Azm324.0000°; N 0.2800,Plg30.0000°,Azm160.0000°; P -2.3700,Plg7.0000°,Azm66.0000° $M_0$2.20000×10^{18} Moment Tensor Solution. $M_0$4.40000×10^{18}
ISC II 12 13 22 46.0–.59 3.86N–.09 126.9E–.20 36 4.7b 40 17-92
IDC II 12 13 22 40.4–.65 3.89N 126.73E 0 4.6,4.6 ¶12700272
ISCJB II 12 13 22 43.4–.50 3.98N–.08 127.1E–.10 36 4.6b,4.6
NEIC II 12 13 22 45.0–.43 3.99N 127.15E 35 5.0b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=42.2km s-min=14.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=9.6km az=162.7.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=8.3km az=72.0.
IDC II 12 13 32 53.7–1.1 3.87N 126.26E 0 5.1s,5.1
¶15955709
IDC Error ellipse: s-maj=152.4km s-min=18.6km az=68.0.
IDC II 12 13 36 26.0–.86 4.04N 126.75E 0 4.0,3.9
¶15955710
IDC Error ellipse: s-maj=48.8km s-min=14.6km az=63.0.
ISC II 12 13 40 11.6–1.4 3.93N–.06 126.62E–.10 84–12 4.8b 135 3-123
DJA II 12 13 39 50 5.10N 127.35E 10 5.3b ¶12700276
IDC II 12 13 40 01.2–.47 3.98N 126.59E 0 4.7,4.6
NEIC II 12 13 40 06.1–.26 4.03N 126.74E 35 5.0b,4.6
ISCJB II 12 13 40 10.2–.79 3.97N–.04 126.63E–.07 87–6 4.7b,4.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 12 13 47 37.4–.35 3.83N–.05 126.52E–.08 45 4.8b 98 3-99
IDC II 12 13 47 31.1–.48 3.84N 126.41E 0 4.6,4.5 ¶12700280
ISCJB II 12 13 47 35.1–.26 3.86N–.04 126.57E–.06 45 4.8b,4.5
NEIC II 12 13 47 36.6–.29 3.84N 126.58E 40 4.8b,4.5
DJA II 12 13 47 41 3.72N 126.65E 84 4.8b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=10.5km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.0km az=156.6.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.0km az=61.0.
IDC II 12 13 53 15.7–1.8 4.14N 127.13E 0 4.4,4.2
¶15955714
IDC Error ellipse: s-maj=121.1km s-min=23.1km az=68.0.
IDC II 12 13 54 38.8–.68 3.97N 126.57E 0 4.3,4.2
¶15955715
IDC Error ellipse: s-maj=38.7km s-min=13.7km az=68.0.
ISC II 12 13 56 00.8–.46 4.05N–.07 126.72E–.09 45 4.6b 67 3-98
IDC II 12 13 55 54.3–.64 3.96N 126.58E 0 4.3,4.3 ¶12700285
ISCJB II 12 13 55 59.2–.34 4.04N–.05 126.62E–.08 45 4.5b,4.3
NEIC II 12 13 55 59.9–.36 4.08N 126.72E 35 4.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=13.8km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.5km az=156.4.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.2km az=72.0.
IDC II 12 13 56 22.1–1.1 4.06N 126.76E 0 4.4,4.4
¶15955718
IDC Error ellipse: s-maj=75.5km s-min=20.5km az=65.0.
IDC II 12 14 02 08.7–.94 3.87N 126.65E 0 4.4,4.3
¶15955719
IDC Error ellipse: s-maj=56.4km s-min=14.1km az=71.0.
IDC II 12 14 04 22.1–1.0 3.56N 126.48E 0 4.0,3.9
¶12700289
IDC Error ellipse: s-maj=49.7km s-min=17.4km az=72.0.
ISC II 12 14 05 07.3–.52 3.95N–.09 126.4E–.20 45 4.2b 42 22-123
IDC II 12 14 05 01.2–.58 3.98N 126.41E 0 4.2,4.1 ¶15955720
ISCJB II 12 14 05 05.3–.40 3.92N–.06 126.3E–.10 45 4.1b,4.1
NEIC II 12 14 05 06.0–.32 3.93N 126.36E 35 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=12.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=8.0km az=164.2.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.5km az=73.0.
ISC II 12 14 07 20.2–.30 4.08N–.04 126.73E–.05 45 4.9b,4.8s 276 1-123
IDC II 12 14 07 13.9–.43 4.00N 126.49E 0 4.8,4.8 ¶13434545
BJI II 12 14 07 14.6 3.59N 126.89E 43 5.4b,5.0s
ISCJB II 12 14 07 18.5–.19 4.09N–.03 126.80E–.04 45 4.9b,4.7s
NEIC II 12 14 07 18.9–.20 4.00N 126.57E 35 5.0b,4.7s
DJA II 12 14 07 26 3.75N 126.75E 60 5.0b,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=18.9km s-min=10.5km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.4km az=158.8.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=4.4km az=69.0. Felt [IV] at Melonguanne and [III] at Tahuna.
IDC II 12 14 14 16.0–.99 4.07N 126.52E 0 4.1,4.0
¶15955722
IDC Error ellipse: s-maj=97.0km s-min=14.1km az=70.0.
ISC II 12 14 16 19.7–.32 3.72N–.03 126.56E–.05 41–2 5.3b,4.5s 453 3-145
BJI II 12 14 16 16.0 3.47N 126.48E 36 5.4b,5.2b ¶13434548
MOS II 12 14 16 17.0–1.0 3.67N 126.47E 33 5.5b,5.2b
ISCJB II 12 14 16 17.3–.16 3.75N–.02 126.65E–.03 34 5.3b,4.5s
NEIC II 12 14 16 18.9–.18 3.69N 126.51E 35 5.3b,4.5s
IDC II 12 14 16 18.4–1.8 3.68N 126.47E 29–12 4.9,4.9
DJA II 12 14 16 24 3.65N 126.74E 88 5.2b,4.9
ISC Event type fe.
MOS Error ellipse: s-maj=11.2km s-min=5.3km az=114.1.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=159.8.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.0km az=72.0. Felt [IV] at Melonguanne and [III] at Tahuna.
IDC Error ellipse: s-maj=16.8km s-min=8.8km az=76.0.
ISC II 12 14 20 41.0–.60 3.4N–.10 126.2E–.20 116 4.3b 42 25-92
IDC II 12 14 20 27.4–.67 3.43N 126.21E 0 4.5,4.4 ¶12700291
NEIC II 12 14 20 32.5–.41 3.40N 126.22E 35 4.7b,4.4
ISCJB II 12 14 20 38.7–.46 3.39N–.08 126.2E–.10 116 4.3b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 12 14 26 34.5–1.6 4.02N 126.30E 0 3.7,3.6
¶15955723
IDC Error ellipse: s-maj=130.5km s-min=19.0km az=71.0.
ISC II 12 14 28 21.1–.59 3.63N–.10 126.7E–.20 53 4.2b 35 3-91
IDC II 12 14 28 13.9–.64 3.66N 126.60E 0 4.1,4.0 ¶12700293
ISCJB II 12 14 28 18.9–.43 3.61N–.08 126.6E–.20 53 4.1b,4.0
NEIC II 12 14 28 18.9–.35 3.63N 126.59E 35 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=13.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=8.3km az=160.7.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=7.1km az=70.0.
ISC II 12 14 30 08.4–.51 3.64N–.07 126.6E–.20 53 4.3b 54 4-123
IDC II 12 14 30 01.2–.52 3.69N 126.53E 0 4.4,4.3 ¶12700294
ISCJB II 12 14 30 06.2–.39 3.64N–.06 126.5E–.10 53 4.3b,4.3
NEIC II 12 14 30 06.2–.35 3.61N 126.54E 35 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=11.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=6.8km az=163.9.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=6.1km az=73.0.
IDC II 12 14 34 23.1–1.1 3.91N 126.24E 0 4.0,3.9
¶15955724
IDC Error ellipse: s-maj=74.9km s-min=15.7km az=67.0.
IDC II 12 14 37 33.6–6.7 4.44N 127.44E 0 3.6,3.4
¶15955725
IDC Error ellipse: s-maj=698.8km s-min=21.4km az=67.0.
IDC II 12 14 38 04.2–1.7 3.73N 126.57E 0 3.6,3.6
¶15955728
IDC Error ellipse: s-maj=214.5km s-min=25.0km az=68.0.
ISC II 12 14 43 35.0–.42 3.99N–.06 126.60E–.09 45 4.6b 105 3-123
IDC II 12 14 43 28.9–.51 3.94N 126.50E 0 4.4,4.4 ¶11672758
ISCJB II 12 14 43 33.1–.27 3.94N–.04 126.63E–.06 45 4.6b,4.4
NEIC II 12 14 43 33.8–.29 3.97N 126.66E 35 4.8b,4.4
DJA II 12 14 43 34 4.05N 126.99E 32 4.4b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=11.3km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.3km az=161.9.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.1km az=74.0.
ISC II 12 14 44 16.8–.43 3.96N–.07 126.56E–.09 45 4.7b 69 3-123
IDC II 12 14 44 10.6–.50 3.96N 126.55E 0 4.6,4.5 ¶12700298
BJI II 12 14 44 13.0 3.97N 126.53E 28 5.2b,5.0s
ISCJB II 12 14 44 15.0–.38 3.94N–.06 126.6E–.10 45 4.5b,4.1s
NEIC II 12 14 44 15.7–.29 3.94N 126.52E 35 4.8b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=11.2km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=7.8km az=164.5.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.5km az=74.0.
ISC II 12 14 45 30.4–3.4 4.01N–.08 126.5E–.10 11–21 4.5b 76 11-123
IDC II 12 14 45 28.8–.47 3.99N 126.48E 0 4.5,4.5 ¶13434550
ISCJB II 12 14 45 31.7–.36 3.98N–.06 126.45E–.09 33 4.4b,4.5
NEIC II 12 14 45 33.7–.30 3.99N 126.48E 35 4.5b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=11.3km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=8.0km az=160.6.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.7km az=69.0.
IDC II 12 15 04 13.6–1.4 3.78N 127.11E 0 4.0,3.9
¶15955730
IDC Error ellipse: s-maj=167.0km s-min=19.6km az=68.0.
IDC II 12 15 07 30.7–1.1 4.00N 126.62E 0 3.8,3.7
¶15955731
IDC Error ellipse: s-maj=68.8km s-min=16.2km az=69.0.
IDC II 12 15 11 25.7–1.1 3.97N 126.50E 0 3.8,3.7
¶15955732
IDC Error ellipse: s-maj=79.8km s-min=18.2km az=64.0.
ISC II 12 15 14 22.9–.00 3.7N–.20 126.5E–.40 53 3.9b 22 22-94
IDC II 12 15 14 16.0–1.2 3.74N 126.66E 0 4.0,3.9 ¶12700304
ISCJB II 12 15 14 20.9–.86 3.7N–.20 126.5E–.40 53 4.0b,3.5s
NEIC II 12 15 14 21.1–.84 3.69N 126.50E 35 4.7b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=104.8km s-min=16.4km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=64.8km s-min=10.2km az=158.6.
NEIC Event type se. Error ellipse: s-maj=62.5km s-min=10.2km az=69.0.
IDC II 12 15 16 36.0–1.4 3.89N 126.61E 0 3.9,3.8
¶15955733
IDC Error ellipse: s-maj=190.8km s-min=16.7km az=68.0.
IDC II 12 15 21 58.9–1.3 3.38N 126.34E 0 3.9,3.7
¶15955734
IDC Error ellipse: s-maj=195.7km s-min=19.0km az=68.0.
IDC II 12 15 24 01.1–3.9 3.79N 126.40E 0 3.8,3.6
¶15955735
IDC Error ellipse: s-maj=456.6km s-min=26.0km az=65.0.
IDC II 12 15 26 43.6–1.3 3.83N 126.81E 0 3.9,3.8
¶12700309
IDC Error ellipse: s-maj=99.6km s-min=16.6km az=70.0.
ISC II 12 15 27 30.1–.53 3.73N–.09 126.9E–.20 48 4.5b 46 17-123
IDC II 12 15 27 23.4–.64 3.73N 126.92E 0 4.4,4.3 ¶15955736
ISCJB II 12 15 27 28.2–.41 3.75N–.07 127.0E–.10 48 4.4b,4.3
NEIC II 12 15 27 28.4–.32 3.75N 127.04E 35 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=13.2km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=7.9km az=157.6.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.3km az=68.0.
ISC II 12 15 32 09.1–.31 3.99N–.05 126.62E–.06 45 4.9b,4.3s 238 3-145
IDC II 12 15 32 02.8–.44 3.96N 126.56E 0 4.8,4.8 ¶12083156
BJI II 12 15 32 06.4 3.91N 126.56E 39 5.0b,4.8b
ISCJB II 12 15 32 07.4–.20 4.01N–.03 126.73E–.04 45 4.9b,4.3s
NEIC II 12 15 32 07.9–.26 4.02N 126.76E 35 4.9b,4.3s
DJA II 12 15 32 14 3.78N 126.83E 62 4.8b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=10.5km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.7km az=155.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.6km az=77.0.
IDC II 12 15 41 36.9–1.7 3.58N 126.37E 0 3.6,3.5
¶15955738
IDC Error ellipse: s-maj=216.5km s-min=19.8km az=68.0.
ISC II 12 15 44 20.9–.40 3.95N–.03 126.60E–.05 40–3 4.9b,4.3s 249 3-123
BJI II 12 15 44 16.0 3.64N 126.50E 36 5.0b,4.8b ¶11672759
MOS II 12 15 44 17.7–.95 3.98N 126.55E 33 5.1b,4.2s
ISCJB II 12 15 44 18.1–.20 4.00N–.03 126.62E–.04 33 4.9b,4.2s
NEIC II 12 15 44 19.8–.21 3.93N 126.47E 35 5.0b,4.2s
IDC II 12 15 44 20.0–2.7 3.94N 126.52E 33–20 4.5,4.5
DJA II 12 15 44 24 4.00N 126.91E 67 4.9b,4.5
ISC Event type se.
MOS Error ellipse: s-maj=13.2km s-min=5.6km az=115.5.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.7km az=153.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.5km az=67.0.
IDC Error ellipse: s-maj=17.8km s-min=10.2km az=68.0.
IDC II 12 15 59 45.4–1.8 3.80N 127.12E 0 4.0s,4.0

¶15955739
IDC Error ellipse: s-maj=121.2km s-min=22.9km az=68.0.
IDC II 12 16 05 11.6–2.0 3.82N 126.72E 0 3.5,3.5

¶15955740
IDC Error ellipse: s-maj=220.6km s-min=26.3km az=70.0.
IDC II 12 16 10 15.2–1.8 3.83N 126.18E 0 3.8,3.7

¶15955741
IDC Error ellipse: s-maj=129.7km s-min=22.8km az=68.0.
IDC II 12 16 17 27.5–3.8 4.12N 126.19E 0 3.8,3.6b

¶15955742
IDC Error ellipse: s-maj=455.2km s-min=24.0km az=64.0.
IDC II 12 16 19 51.5–3.8 4.40N 127.15E 0 4.0s,4.0

¶15955743
IDC Error ellipse: s-maj=405.9km s-min=25.7km az=65.0.
IDC II 12 16 20 16.6–1.9 3.81N 126.94E 0 4.1,4.0

¶15955746
IDC Error ellipse: s-maj=122.2km s-min=24.1km az=69.0.
IDC II 12 16 24 13.7–1.1 3.64N 126.92E 0 4.0,3.9

¶15955747
IDC Error ellipse: s-maj=104.7km s-min=16.9km az=72.0.
IDC II 12 16 31 11.8–1.9 3.79N 126.54E 0 3.9,3.8

¶15955748
IDC Error ellipse: s-maj=131.3km s-min=24.0km az=68.0.
IDC II 12 16 37 35.0–1.5 3.57N 126.03E 0 3.7,3.7

¶15955751
IDC Error ellipse: s-maj=202.8km s-min=19.6km az=67.0.
IDC II 12 16 46 22.8–5.3 3.94N 126.59E 0 3.7,3.7

¶15955753
IDC Error ellipse: s-maj=621.0km s-min=21.7km az=66.0.
IDC II 12 16 54 04.9–2.8 3.35N 125.70E 0 3.7,3.6

¶15955754
IDC Error ellipse: s-maj=398.7km s-min=19.7km az=65.0.
IDC II 12 16 56 46.4–1.2 4.33N 127.22E 0 4.0s,4.0

¶12083158
IDC Error ellipse: s-maj=79.4km s-min=16.8km az=65.0.
ISC II 12 16 57 54.7–.34 4.06N–.03 126.70E–.05 27–1 5.1b,4.2s 459 3-166
BJI II 12 16 57 48.9 3.58N 126.68E 24 5.1b,5.1b ¶11671992
IDC II 12 16 57 50.7–.35 4.03N 126.57E 0 4.9,4.9b
NEIC II 12 16 57 52.4–2.6 4.03N 126.65E 14–16 5.1b,4.9b
ISCJB II 12 16 57 53.7–.17 4.08N–.03 126.74E–.03 33 5.1b,4.2s
MOS II 12 16 57 53.8–.94 4.02N 126.58E 33 5.4b,4.2s
DJA II 12 16 58 01 3.86N 126.80E 69 5.0b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=8.6km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=3.8km az=72.0. Felt [II] at Tahuna.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.4km az=153.6.
MOS Error ellipse: s-maj=12.5km s-min=5.2km az=115.9.
IDC II 12 17 03 27.9–1.4 3.79N 126.03E 0 3.8,3.8

¶15955755
IDC Error ellipse: s-maj=188.0km s-min=20.3km az=68.0.
IDC II 12 17 04 54.7–1.1 3.98N 126.54E 0 4.0,3.9

¶15955756
IDC Error ellipse: s-maj=107.5km s-min=16.8km az=72.0.
IDC II 12 17 06 39.3–1.4 3.57N 126.29E 0 3.8,3.7

¶15955757
IDC Error ellipse: s-maj=170.0km s-min=19.6km az=67.0.
IDC II 12 17 10 36.8–.90 3.91N 126.47E 0 3.8,3.7

¶15955758
IDC Error ellipse: s-maj=53.8km s-min=18.2km az=76.0.
ISC II 12 17 17 52.3–.39 3.63N–.06 126.75E–.09 53 4.6b,3.9s 102 3-123
IDC II 12 17 17 45.4–.55 3.63N 126.74E 0 4.4,4.4b ¶11672760
BJI II 12 17 17 46.5 3.45N 126.70E 29 5.1b,4.7b
ISCJB II 12 17 17 50.7–.27 3.61N–.04 126.82E–.07 53 4.6b,3.9s
NEIC II 12 17 17 50.4–.25 3.60N 126.75E 35 4.8b,3.9s
DJA II 12 17 17 57 3.46N 126.95E 46 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=12.7km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.4km az=155.3.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.3km az=76.0.
IDC II 12 17 21 00.9–3.3 3.74N 126.77E 0 4.1,4.0

¶15955759
IDC Error ellipse: s-maj=403.4km s-min=22.4km az=65.0.
IDC II 12 17 29 45.0–1.3 3.95N 126.60E 0 4.0,3.9

¶15955760
IDC Error ellipse: s-maj=111.3km s-min=17.5km az=71.0.
IDC II 12 17 37 01.8–1.1 4.20N 126.62E 0 4.3,4.2

¶15955761
IDC Error ellipse: s-maj=51.9km s-min=26.1km az=60.0.
ISC II 12 17 38 39.8–.97 4.1N–.20 126.8E–.20 36 4.4b 26 17-123
IDC II 12 17 38 33.7–2.2 3.95N 126.72E 0 4.2,4.1 ¶12700334
NEIC II 12 17 38 39.8–.77 4.12N 126.92E 35 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=58.6km s-min=38.6km az=180.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=17.9km az=108.0.
IDC II 12 17 42 06.9–1.5 3.84N 126.41E 0 4.0,4.0

¶15955762
IDC Error ellipse: s-maj=212.0km s-min=24.4km az=65.0.
ISC II 12 17 44 53.4–.59 4.0N–.10 126.6E–.20 45 4.5b 56 25-98
IDC II 12 17 44 47.1–.75 4.09N 126.60E 0 4.3,4.2 ¶12083160
ISCJB II 12 17 44 51.6–.47 4.06N–.08 126.6E–.10 45 4.3b,4.2
NEIC II 12 17 44 52.2–.36 4.02N 126.57E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=16.9km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=9.7km az=154.2.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=7.7km az=69.0.
ISC II 12 17 46 04.6–.27 3.96N–.03 126.53E–.04 40–1 5.7b,5.2s 885 3-169
BJI II 12 17 45 59.7 3.70N 126.60E 32 5.6b,5.6b ¶14189438
MOS II 12 17 46 02.4–1.1 3.98N 126.49E 33 5.8b,5.1s
IDC II 12 17 46 03.5–1.7 3.98N 126.48E 30–11 5.2,5.2
NEIC II 12 17 46 05.3–.78 3.98N 126.48E 44–7 5.7b,5.5W
ISCJB II 12 17 46 06.3–.39 3.94N–.02 126.60E–.03 69–3 5.5b,5.5W
DJA II 12 17 46 08 4.00N 126.73E 67 5.3W,5.5W
ISC Event type fe.
MOS Error ellipse: s-maj=9.0km s-min=4.3km az=114.9.
IDC Error ellipse: s-maj=12.5km s-min=8.1km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.6km az=74.0. Felt [III] at Tahuna. Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.45 $M_{r\theta}$0.68 $M_{\theta\phi}$1.09 $M_{\phi r}$1.11 Best double couple: NP1:ϕ_s4.00000°,δ66.00000°,λ128.00000°. NP2: ϕ_s123.00000°,δ44.00000°,λ37.00000°. Principal axes: T 2.2200,Plg53.0000°,Azm320.0000° ; N -0.0700,Plg33.0000°,Azm166.0000°; P -2.1600,Plg12.0000°,Azm68.0000° M_o2.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=161.7.
IDC II 12 17 55 18.6–5.8 3.97N 126.62E 0 4.0,3.9

¶12700338
IDC Error ellipse: s-maj=162.7km s-min=59.4km az=9.0.
ISC II 12 17 55 33.9–.58 3.26N–.09 126.9E–.20 48 4.3b 43 3-99
IDC II 12 17 55 27.1–.63 3.25N 127.07E 0 4.5s,4.5 ¶15955764
ISCJB II 12 17 55 31.5–.43 3.22N–.07 127.0E–.10 48 4.3b,4.3s
NEIC II 12 17 55 32.2–.43 3.19N 126.97E 35 4.7b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=14.0km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=8.7km az=164.6.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=9.1km az=74.0.
IDC II 12 18 00 14.4–1.5 4.17N 126.55E 0 3.9,3.8

¶15955766
IDC Error ellipse: s-maj=187.4km s-min=19.8km az=68.0.
IDC II 12 18 05 35.0–1.6 3.62N 126.02E 0 3.6,3.5

¶15955767
IDC Error ellipse: s-maj=204.2km s-min=21.4km az=67.0.
IDC II 12 18 06 41.0–1.6 4.03N 126.68E 0 3.6,3.6

¶15955768
IDC Error ellipse: s-maj=203.5km s-min=20.7km az=67.0.
IDC II 12 18 08 27.1–1.9 4.09N 126.59E 0 3.6,3.6

¶15955769
IDC Error ellipse: s-maj=194.9km s-min=24.5km az=70.0.
ISC II 12 18 09 34.6–.34 4.05N–.04 126.69E–.07 45 4.7b,4.0s 142 3-123
IDC II 12 18 09 28.3–.45 3.97N 126.51E 0 4.5,4.5 ¶13434555
ISCJB II 12 18 09 32.9–.27 4.00N–.04 126.57E–.06 45 4.6b,4.0s
BJI II 12 18 09 32.3 3.89N 126.15E 29 5.2b,4.7s
NEIC II 12 18 09 33.5–.28 3.99N 126.66E 35 4.7b,4.7s
DJA II 12 18 09 42 3.57N 126.56E 88 4.7b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=9.6km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.7km az=161.8.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.4km az=80.0.
IDC II 12 18 19 23.6–1.4 4.22N 126.88E 0 3.6,3.5

¶15955770
IDC Error ellipse: s-maj=112.1km s-min=16.8km az=72.0.
IDC II 12 18 20 10.9–3.4 4.48N 127.68E 0 3.6,3.6

¶15955773
IDC Error ellipse: s-maj=375.7km s-min=19.6km az=66.0.
ISC II 12 18 21 48.8–.66 3.87N–.09 126.4E–.20 45 4.1b 15 3-123
IDC II 12 18 21 42.5–.68 3.91N 126.42E 0 4.0,3.9 ¶15955774
ISCJB II 12 18 21 46.9–.56 3.86N–.07 126.4E–.20 45 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC II 12 18 31 35.6–.61 3.89N–.09 126.5E–.20 45 4.2b 27 3-123
IDC II 12 18 31 29.3–.58 3.94N 126.48E 0 4.3,4.2 ¶15955775
ISCJB II 12 18 31 33.8–.47 3.87N–.07 126.5E–.20 45 4.2b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC II 12 18 33 42.6–1.6 3.96N–.07 126.5E–.10 45–13 4.5b 83 3-123
IDC II 12 18 33 36.1–.53 3.99N 126.43E 0 4.3,4.3 ¶12083164
ISCJB II 12 18 33 39.4–.35 3.98N–.05 126.52E–.08 33 4.3b,3.5s
NEIC II 12 18 33 41.3–.25 3.98N 126.49E 35 4.5b,3.5s
DJA II 12 18 34 14 1.48N 126.30E 40 3.9,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=12.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=6.4km az=159.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.5km az=68.0.
IDC II 12 18 36 39.2–.58 3.80N 126.48E 0 4.2,4.2

¶15955776
IDC Error ellipse: s-maj=24.7km s-min=13.0km az=70.0.
IDC II 12 18 36 58.9–1.1 3.79N 126.27E 0 4.4,4.3

¶15955779
IDC Error ellipse: s-maj=91.8km s-min=20.5km az=57.0.
IDC II 12 18 40 18.1–1.1 4.32N 127.25E 0 3.8,3.7

¶15955780
IDC Error ellipse: s-maj=71.1km s-min=19.2km az=73.0.
IDC II 12 18 45 58.4–.90 4.12N 126.81E 0 3.8,3.7

¶15955782
IDC Error ellipse: s-maj=52.9km s-min=15.7km az=68.0.
IDC II 12 18 46 14.1–4.0 4.34N 127.28E 0 4.1,4.0

¶15955785
IDC Error ellipse: s-maj=421.7km s-min=24.5km az=65.0.
IDC II 12 18 52 36.0–1.5 3.97N 127.26E 0 3.5,3.4

¶15955786
IDC Error ellipse: s-maj=119.8km s-min=17.5km az=73.0.
IDC II 12 18 55 22.0–1.6 3.69N 127.01E 0 3.7,3.7

¶15955787
IDC Error ellipse: s-maj=121.1km s-min=17.5km az=72.0.
IDC II 12 18 56 54.6–2.1 4.03N 126.79E 0 3.8,3.8

¶15955788
IDC Error ellipse: s-maj=84.6km s-min=27.2km az=79.0.
IDC II 12 18 58 21.5–10 3.52N 127.12E 0 3.9,3.8

¶15955789
IDC Error ellipse: s-maj=214.0km s-min=89.1km az=154.0.
IDC II 12 19 07 52.7–.76 3.66N 125.60E 0 4.0,3.9

¶15955790
IDC Error ellipse: s-maj=71.7km s-min=15.6km az=67.0.
IDC II 12 19 11 08.8–1.3 3.89N 127.02E 0 3.8,3.7

¶15955792
IDC Error ellipse: s-maj=100.4km s-min=17.0km az=71.0.
IDC II 12 19 14 05.9–.83 4.07N 126.69E 0 3.9,3.7

¶15955793
IDC Error ellipse: s-maj=70.1km s-min=16.5km az=69.0.
IDC II 12 19 16 55.5–1.8 3.43N 126.23E 0 3.9,3.8

¶15955794
IDC Error ellipse: s-maj=194.6km s-min=20.6km az=65.0.
IDC II 12 19 22 16.0–.65 3.92N 126.73E 0 4.6s,4.6

¶15955795
IDC Error ellipse: s-maj=37.1km s-min=14.1km az=72.0.
IDC II 12 19 36 55.0–.79 4.11N 126.61E 0 4.1,3.9

¶15955797
IDC Error ellipse: s-maj=47.3km s-min=15.8km az=71.0.
IDC II 12 19 45 33.0–3.8 3.42N 126.67E 0 3.7,3.5

¶15955798
IDC Error ellipse: s-maj=442.9km s-min=27.6km az=65.0.
IDC II 12 19 50 37.8–1.1 3.40N 126.19E 0 4.0,3.9

¶15955799
IDC Error ellipse: s-maj=101.5km s-min=15.4km az=69.0.
IDC II 12 19 53 45.2–3.9 4.59N 127.79E 0 3.7,3.6

¶15955800
IDC Error ellipse: s-maj=413.9km s-min=21.1km az=66.0.
IDC II 12 19 55 01.4–1.2 3.64N 127.02E 0 4.0,3.9

¶15955801
IDC Error ellipse: s-maj=105.0km s-min=15.9km az=70.0.
IDC II 12 20 04 07.9–.57 3.63N 126.24E 0 4.3,4.2

¶15955802
IDC Error ellipse: s-maj=28.3km s-min=12.3km az=73.0.
IDC II 12 20 12 18.2–.72 3.83N 126.55E 0 4.2,4.1

¶15955803
IDC Error ellipse: s-maj=38.3km s-min=15.0km az=73.0.
ISC II 12 20 16 15.9–.58 3.90N–.08 126.4E–.10 45 4.3b 36 3-123
IDC II 12 20 16 09.6–.60 4.02N 126.42E 0 4.5s,4.5 ¶15955804
ISCJB II 12 20 16 14.2–.45 3.98N–.07 126.5E–.10 45 4.5s,4.2b
ISC Event type ke.
ISCJB Event type ke.
IDC II 12 20 20 33.6–1.7 3.75N 126.92E 0 4.2s,4.2

¶15955805
IDC Error ellipse: s-maj=134.5km s-min=20.8km az=72.0.
IDC II 12 20 22 43.8–3.7 4.02N 126.17E 0 3.7,3.7

¶15955806
IDC Error ellipse: s-maj=448.5km s-min=25.5km az=64.0.
ISC II 12 20 46 55.0–2.3 3.80N–.06 126.7E–.10 1–14 4.5b 84 3-123
IDC II 12 20 46 55.0–.49 3.80N 126.67E 0 4.4,4.3 ¶11672762
ISCJB II 12 20 46 58.2–1.9 3.77N–.05 126.67E–.09 35–17 4.4b,4.3
NEIC II 12 20 46 60.0–.24 3.77N 126.66E 35 4.5b,4.3
DJA II 12 20 47 04 3.65N 126.97E 68 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=10.0km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=6.4km az=163.8.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=4.9km az=76.0.
IDC II 12 20 56 41.0–4.2 3.61N 126.23E 0 3.8,3.7

¶15955807
IDC Error ellipse: s-maj=506.6km s-min=28.3km az=64.0.
IDC II 12 21 16 09.0–1.4 3.96N 126.79E 0 3.8,3.7

¶15955809
IDC Error ellipse: s-maj=124.8km s-min=17.4km az=69.0.
ISC II 12 21 20 28.8–.73 4.0N–.10 126.7E–.30 45 4.2b 30 25-92
IDC II 12 21 20 22.5–.75 3.99N 126.66E 0 4.2,4.1 ¶12700384
ISCJB II 12 21 20 26.8–.53 4.0N–.10 126.7E–.30 45 4.2b,4.1

NEIC II 12 21 20 27.7–.38 3.99N 126.66E 35 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=53.2km s-min=15.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=38.8km s-min=9.9km az=157.7.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=7.3km az=68.0.
IDC II 12 21 21 56.3–1.7 3.92N 126.67E 0 3.8,3.7
¶15955810

IDC Error ellipse: s-maj=174.1km s-min=26.9km az=68.0.
IDC II 12 21 31 18.0–1.3 3.99N 126.60E 0 3.9s,3.9
¶15955812

IDC Error ellipse: s-maj=119.3km s-min=15.8km az=70.0.
IDC II 12 21 38 24.7–1.2 3.86N 126.39E 0 3.9,3.8b
¶15955813

IDC Error ellipse: s-maj=163.9km s-min=19.9km az=67.0.
IDC II 12 21 45 50.3–1.1 3.66N 126.30E 0 3.8,3.7
¶15955814

IDC Error ellipse: s-maj=98.7km s-min=16.2km az=70.0.
IDC II 12 21 55 44.0–1.4 3.58N 126.63E 0 3.6,3.5
¶15955815

IDC Error ellipse: s-maj=206.4km s-min=19.7km az=67.0.
IDC II 12 21 56 31.1–1.6 3.36N 126.63E 0 3.8,3.7
¶15955818

IDC Error ellipse: s-maj=214.8km s-min=18.9km az=67.0.
IDC II 12 21 57 31.8–.97 4.17N 127.04E 0 4.1,4.0
¶15955819

IDC Error ellipse: s-maj=64.3km s-min=14.7km az=68.0.
IDC II 12 22 38 49.1–3.0 3.69N 126.34E 0 3.8,3.6
¶15955820

IDC Error ellipse: s-maj=335.8km s-min=27.2km az=65.0.
IDC II 12 22 39 47.0–2.2 3.80N 126.26E 0 4.0,3.8
¶15955823

IDC Error ellipse: s-maj=229.1km s-min=23.7km az=64.0.
IDC II 12 22 43 47.9–1.2 3.85N 126.62E 0 4.0,3.8
¶15955824

IDC Error ellipse: s-maj=133.7km s-min=17.2km az=67.0.
IDC II 12 22 53 56.0–1.2 3.52N 126.90E 0 4.0,3.9
¶15955825

IDC Error ellipse: s-maj=106.2km s-min=14.8km az=70.0.
IDC II 12 22 55 34.4–1.1 3.83N 126.58E 0 3.8,3.7
¶15955826

IDC Error ellipse: s-maj=95.7km s-min=15.6km az=70.0.
IDC II 12 22 56 11.1–1.9 3.38N 126.92E 0 4.0,3.9
¶15955829

IDC Error ellipse: s-maj=201.1km s-min=19.7km az=66.0.
IDC II 12 22 57 28.6–1.8 3.18N 126.49E 0 4.0,3.8
¶15955830

IDC Error ellipse: s-maj=194.8km s-min=20.0km az=65.0.
IDC II 12 22 59 38.4–1.0 3.89N 126.31E 0 4.0,3.9
¶15955831

IDC Error ellipse: s-maj=105.8km s-min=14.3km az=70.0.
ISC II 12 23 01 30.2–.48 3.74N–.08 126.5E–.20 53 4.3b 55 22-130
IDC II 12 23 01 23.1–.50 3.78N 126.45E 0 4.3,4.3 ¶12700403
NEIC II 12 23 01 27.9–.25 3.71N 126.48E 35 4.3b,4.3
ISCJB II 12 23 01 28.1–.39 3.73N–.07 126.4E–.10 53 4.3b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 12 23 03 59.0–.33 4.00N–.05 126.94E–.06 36 4.7b,3.8s 196 3-123
BJI II 12 23 03 52.3 3.35N 127.06E 37 5.0b,4.6b ¶12083173
IDC II 12 23 03 53.7–.47 3.90N 126.61E 0 4.6,4.6
ISCJB II 12 23 03 57.2–.23 4.03N–.03 126.91E–.05 36 4.7b,3.9s
NEIC II 12 23 03 58.9–.28 3.91N 126.76E 35 4.7b,3.9s
DJA II 12 23 04 12 3.10N 126.64E 62 4.9b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=11.1km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.9km az=160.2.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.6km az=69.0.
IDC II 12 23 24 15.3–1.0 3.83N 126.64E 0 3.9,3.8
¶15955833

IDC Error ellipse: s-maj=66.7km s-min=15.7km az=68.0.
IDC II 12 23 28 14.2–2.2 3.74N 126.20E 0 3.8,3.7
¶15955834

IDC Error ellipse: s-maj=216.7km s-min=26.3km az=64.0.
IDC II 12 23 29 40.4–1.4 3.76N 126.68E 0 3.8,3.7
¶15955835

IDC Error ellipse: s-maj=106.9km s-min=20.5km az=72.0.
IDC II 12 23 52 31.7–2.0 3.91N 126.51E 0 4.0,3.8b
¶15955838

IDC Error ellipse: s-maj=199.9km s-min=22.7km az=65.0.
IDC II 12 23 55 58.4–1.2 3.66N 126.12E 0 3.8,3.7
¶15955839

IDC Error ellipse: s-maj=146.6km s-min=18.9km az=68.0.
ISC II 13 00 01 57.0–.57 3.9N–.10 126.7E–.20 45 4.3b 49 4-149
IDC II 13 00 01 50.5–.61 3.89N 126.75E 0 4.4,4.2 ¶12700414
ISCJB II 13 00 01 54.9–.48 3.84N–.08 126.7E–.10 45 4.2b,4.2
NEIC II 13 00 01 55.7–.34 3.85N 126.74E 35 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=13.5km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=8.0km az=155.4.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=6.9km az=72.0.
IDC II 13 00 04 07.4–1.8 3.99N 126.92E 0 4.1,4.0
¶15955860

IDC Error ellipse: s-maj=102.8km s-min=24.3km az=69.0.
IDC II 13 00 15 38.4–2.8 3.78N 126.52E 0 3.7,3.5
¶12700417

IDC Error ellipse: s-maj=294.8km s-min=26.3km az=65.0.
ISC II 13 00 16 32.3–.58 3.70N–.07 126.6E–.10 53 4.5b,3.5s 71 3-123
IDC II 13 00 16 25.1–.61 3.63N 126.59E 0 4.4,4.4 ¶15955861
ISCJB II 13 00 16 30.4–.39 3.59N–.05 126.61E–.09 53 4.4b,3.5s
NEIC II 13 00 16 30.4–.36 3.69N 126.60E 35 4.7b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=13.3km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=6.6km az=160.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=7.2km az=71.0.
IDC II 13 00 37 23.0–1.2 3.66N 126.17E 0 3.9,3.8
¶15955863

IDC Error ellipse: s-maj=102.7km s-min=18.1km az=70.0.
ISC II 13 00 40 01.4–.71 3.9N–.10 126.8E–.20 36 4.0b 27 22-93
IDC II 13 00 39 56.0–.74 3.97N 126.84E 0 4.1,4.0 ¶12700419
ISCJB II 13 00 39 59.3–.60 3.9N–.10 126.7E–.20 36 3.9b,4.0
NEIC II 13 00 40 00.9–.45 3.88N 126.75E 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=14.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=37.0km s-min=10.2km az=159.2.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=7.9km az=70.0.
ISC II 13 00 44 01.6–.45 3.98N–.04 126.65E–.07 90–2 4.7b 251 3-123
IDC II 13 00 43 50.5–.47 3.97N 126.56E 0 4.6,4.6 ¶11672866
MOS II 13 00 43 53.8–.84 4.00N 126.62E 33 5.2b,4.6
NEIC II 13 00 43 55.7–.21 3.97N 126.60E 35 4.9b,4.6
BJI II 13 00 43 57.8 3.65N 126.66E 93 5.1b,4.8b
DJA II 13 00 43 59 3.83N 127.00E 148 4.5b,4.8b
ISCJB II 13 00 43 59.2–.61 3.95N–.03 126.63E–.06 83–4 4.7b,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 13 00 59 59.2–.56 3.93N–.09 126.6E–.10 45 4.3b,3.4s 55 3-123
IDC II 13 00 59 53.0–.57 3.98N 126.46E 0 4.4,4.4b ¶12700422
ISCJB II 13 00 59 57.6–.40 3.98N–.06 126.55E–.10 45 4.3b,3.6s
NEIC II 13 00 59 58.2–.33 3.99N 126.53E 35 4.3b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=12.9km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=8.0km az=158.7.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=7.7km az=68.0.
ISC II 13 01 07 48.7–.80 3.9N–.10 126.8E–.30 36 4.0b 25 22-84
IDC II 13 01 07 43.5–1.2 3.90N 126.83E 0 4.0,3.9 ¶12700423
ISCJB II 13 01 07 46.9–.60 3.9N–.10 126.8E–.30 36 4.0b,3.9
NEIC II 13 01 07 48.7–.50 3.87N 126.86E 35 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=107.8km s-min=15.3km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=41.1km s-min=9.5km az=158.3.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=8.1km az=69.0.
ISC II 13 01 13 40.4–.59 3.94N–.09 126.5E–.20 45 4.3b 45 22-123
IDC II 13 01 13 34.0–.64 3.99N 126.51E 0 4.2,4.1 ¶12700424
ISCJB II 13 01 13 38.6–.46 3.96N–.08 126.6E–.20 45 4.2b,4.1
NEIC II 13 01 13 39.3–.36 3.96N 126.55E 35 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=13.2km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=8.7km az=161.3.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=7.0km az=71.0.
IDC II 13 01 14 01.9–1.5 4.10N 126.87E 0 4.4s,4.4
¶15955868

IDC Error ellipse: s-maj=258.2km s-min=25.3km az=65.0.
ISC II 13 01 15 13.2–.46 3.94N–.08 126.5E–.10 45 4.4b 67 20-150
IDC II 13 01 15 06.8–.62 3.97N 126.42E 0 4.3,4.2 ¶12083179
ISCJB II 13 01 15 11.4–.33 3.94N–.06 126.51E–.09 45 4.3b,4.2
NEIC II 13 01 15 12.0–.21 3.91N 126.47E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=12.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=6.7km az=156.1.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=4.6km az=70.0.
ISC II 13 01 26 11.4–.96 3.6N–.20 126.5E–.30 53 3.9b 27 22-95
IDC II 13 01 26 04.5–1.3 3.59N 126.34E 0 3.9,3.8 ¶12700426
ISCJB II 13 01 26 09.2–.85 3.7N–.20 126.6E–.40 53 3.9b,3.8
NEIC II 13 01 26 09.3–.56 3.68N 126.60E 35 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=114.3km s-min=16.6km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=57.2km s-min=9.7km az=155.5.
NEIC Event type se. Error ellipse: s-maj=37.6km s-min=7.3km az=66.0.
IDC II 13 01 33 06.9–1.4 3.56N 126.74E 0 4.0,3.8
¶15955869

IDC Error ellipse: s-maj=101.7km s-min=18.3km az=68.0.
ISC II 13 01 39 23.5–.36 3.96N–.04 126.75E–.06 35–2 4.8b,4.0s 252 3-150
BJI II 13 01 39 18.8 3.42N 126.61E 36 5.1b,4.7b ¶11672869
IDC II 13 01 39 18.1–.50 3.90N 126.55E 0 4.7,4.7
ISCJB II 13 01 39 21.6–.20 3.92N–.03 126.62E–.05 33 4.8b,3.9s
MOS II 13 01 39 21.0–.90 3.87N 126.61E 31 5.1b,3.9s
NEIC II 13 01 39 23.4–.20 3.92N 126.67E 35 4.9b,3.9s
DJA II 13 01 39 30 3.58N 126.66E 62 4.8b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=11.5km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.7km az=155.6.
MOS Error ellipse: s-maj=13.8km s-min=6.1km az=113.6.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.4km az=67.0.
ISC II 13 01 47 26.0–.71 3.6N–.10 126.6E–.30 53 3.9b 31 20-91
IDC II 13 01 47 18.6–1.1 3.67N 126.66E 0 4.1,3.9 ¶12700429
ISCJB II 13 01 47 23.9–.54 3.6N–.10 126.6E–.30 53 4.0b,3.9
NEIC II 13 01 47 24.2–.50 3.58N 126.57E 35 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=103.5km s-min=14.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=44.7km s-min=8.5km az=157.3.
NEIC Event type se. Error ellipse: s-maj=41.0km s-min=8.2km az=68.0.
IDC II 13 01 49 55.6–3.3 3.69N 126.87E 0 4.0,3.9
¶15955870

IDC Error ellipse: s-maj=411.0km s-min=20.1km az=66.0.
ISC II 13 02 03 42.8–.65 4.0N–.10 126.8E–.20 36 4.2b 32 4-95
IDC II 13 02 03 37.6–.75 4.06N 126.74E 0 4.1,3.9 ¶12700431
ISCJB II 13 02 03 40.8–.49 4.03N–.09 126.7E–.20 36 4.0b,3.9
NEIC II 13 02 03 42.6–.33 4.03N 126.72E 35 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=14.9km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=26.5km s-min=8.8km az=159.3.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=6.2km az=71.0.
ISC II 13 02 24 26.6–.32 3.74N–.03 126.72E–.04 74–2 5.2b 476 3-169
IDC II 13 02 24 19.7–4.0 3.76N 126.65E 18–25 4.9,4.9 ¶11672872
MOS II 13 02 24 20.2–1.1 3.77N 126.61E 33 5.5b,4.3s
BJI II 13 02 24 21.2 3.28N 126.85E 81 5.2b,5.0b
NEIC II 13 02 24 22.3–.18 3.74N 126.73E 35 5.3b,5.0b
ISCJB II 13 02 24 23.9–.46 3.77N–.02 126.77E–.03 66–4 5.2b,5.0b
DJA II 13 02 24 28 3.54N 126.76E 73 5.2W,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=15.7km s-min=9.5km az=75.0.
MOS Error ellipse: s-maj=10.8km s-min=5.3km az=112.5.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=71.0. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=159.4.
IDC II 13 02 41 34.9–1.3 4.00N 126.32E 0 3.8,3.7
¶15955871

IDC Error ellipse: s-maj=188.8km s-min=17.4km az=67.0.
IDC II 13 02 49 08.4–3.1 3.61N 126.02E 0 4.0,3.9
¶15955872

IDC Error ellipse: s-maj=434.7km s-min=18.2km az=65.0.
IDC II 13 02 59 20.0–1.3 3.73N 126.37E 0 3.9,3.8b
¶15955873

IDC Error ellipse: s-maj=206.8km s-min=17.5km az=68.0.
ISC II 13 03 03 55.1–.73 3.8N–.10 126.3E–.30 45 4.1b 30 4-122
IDC II 13 03 03 48.8–.76 3.90N 126.34E 0 4.0,3.9 ¶12700435
ISCJB II 13 03 03 53.3–.55 3.8N–.10 126.1E–.30 45 4.0b,3.9
NEIC II 13 03 03 54.1–.36 3.85N 126.30E 35 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=66.4km s-min=15.7km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=44.4km s-min=9.3km az=159.6.
NEIC Event type se. Error ellipse: s-maj=29.1km s-min=6.4km az=70.0.
IDC II 13 03 10 05.9–2.1 4.45N 127.60E 0 3.5,3.4
¶15955874

IDC Error ellipse: s-maj=205.9km s-min=26.7km az=68.0.
ISC II 13 03 11 31.4–.76 3.9N–.10 126.6E–.30 45 4.1b 25 3-84
IDC II 13 03 11 25.3–.83 3.95N 126.57E 0 4.0,4.0b ¶12700437
ISCJB II 13 03 11 29.5–.52 3.9N–.10 126.5E–.20 45 4.0b,4.0b
NEIC II 13 03 11 30.4–.41 3.95N 126.56E 35 4.4b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=59.8km s-min=16.3km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=37.5km s-min=10.3km az=159.1.
NEIC Event type se. Error ellipse: s-maj=30.1km s-min=8.5km az=70.0.
IDC II 13 03 12 55.8–1.6 3.49N 126.26E 0 4.0,3.8
¶15955875

IDC Error ellipse: s-maj=203.1km s-min=20.1km az=68.0.
IDC II 13 03 16 55.8–2.5 4.04N 126.81E 0 3.9,3.9
¶15955876

IDC Error ellipse: s-maj=347.3km s-min=19.9km az=65.0.
ISC II 13 03 29 00.7–.33 3.71N–.04 126.76E–.05 81–2 4.9b 384 3-157
IDC II 13 03 28 50.2–.36 3.75N 126.43E 0 4.7,4.7 ¶13434571
MOS II 13 03 28 54.0–1.1 3.81N 126.50E 33 5.1b,4.3s
NEIC II 13 03 28 55.6–.19 3.75N 126.61E 35 5.0b,4.3s
BJI II 13 03 28 55.9 3.34N 126.77E 86 5.2b,4.7b
ISCJB II 13 03 28 57.6–.48 3.81N–.02 126.76E–.04 68–4 4.8b,4.7b
DJA II 13 03 29 01 3.73N 126.88E 72 5.0b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=8.9km az=77.0.
MOS Error ellipse: s-maj=12.2km s-min=5.7km az=112.3.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=4.3km az=71.0. Felt [II] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.8km az=164.0.

ISC II 13 03 44 39.1–.95 3.9N–.20 126.6E–.50 45 4.0b 7 3-85
IDC II 13 03 44 32.9–.89 3.98N 126.63E 0 4.0,3.9b **¶15955877**
ISC Event type ke.
IDC Error ellipse: s-maj=76.3km s-min=17.3km az=69.0.
ISC II 13 03 46 09.3–.46 3.73N–.05 126.91E–.07 61–3 4.6b 114 3-145
IDC II 13 03 46 01.4–.62 3.63N 126.55E 0 4.4,4.4 **¶11672876**
NEIC II 13 03 46 06.9–.32 3.82N 126.92E 35 4.6b,4.4
ISCJB II 13 03 46 09.1–.79 3.68N–.04 126.84E–.06 73–7 4.5b,4.4
BJI II 13 03 46 10.0 4.00N 127.00E 55 5.2b,4.7b
DJA II 13 03 46 11 3.64N 126.96E 59 4.6b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=13.4km az=75.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.7km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.3km az=153.5.
IDC II 13 04 04 05.9–1.8 3.95N 126.59E 0 3.5,3.4
¶15955878
IDC Error ellipse: s-maj=160.6km s-min=28.9km az=68.0.
IDC II 13 04 04 35.4–1.8 3.93N 127.35E 0 3.9,3.7
¶12700446
IDC Error ellipse: s-maj=194.6km s-min=24.3km az=66.0.
ISC II 13 04 05 29.2–.46 3.93N–.08 126.7E–.10 45 4.4b 69 3-145
IDC II 13 04 05 22.7–.60 3.95N 126.55E 0 4.3,4.3 **¶15955880**
ISCJB II 13 04 05 27.2–.32 3.92N–.06 126.6E–.10 45 4.4b,3.0s
NEIC II 13 04 05 27.9–.20 3.93N 126.59E 35 4.6b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=13.9km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=6.5km az=159.7.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=4.3km az=70.0.
IDC II 13 04 21 26.3–5.3 3.44N 126.18E 0 3.7,3.7
¶15955882
IDC Error ellipse: s-maj=691.2km s-min=21.2km az=66.0.
ISC II 13 04 28 17.1–.46 3.99N–.04 126.69E–.06 17–2 4.9b,3.8s 267 3-145
BJI II 13 04 28 13.9 3.73N 126.72E 19 5.1b,4.9b **¶13434572**
IDC II 13 04 28 14.3–.47 3.88N 126.51E 0 4.7,4.7
TEH II 13 04 28 15.0 4.20N 127.02E 9 5.0L,4.7
ISCJB II 13 04 28 15.1–.20 3.99N–.03 126.63E–.05 15 4.9b,3.8s
MOS II 13 04 28 17.6–.88 3.93N 126.60E 33 5.1b,3.8s
NEIC II 13 04 28 19.5–.21 3.95N 126.68E 35 4.9b,3.8s
DJA II 13 04 28 26 3.67N 126.66E 51 4.8b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=11.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.8km az=159.5.
MOS Error ellipse: s-maj=12.7km s-min=5.7km az=114.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.6km az=70.0.
ISC II 13 04 40 36.4–.78 3.9N–.10 126.6E–.30 45 4.0b 33 4-123
IDC II 13 04 40 30.1–1.0 4.00N 126.56E 0 4.1,4.0 **¶12700448**
ISCJB II 13 04 40 34.3–.61 4.0N–.10 126.6E–.30 45 4.0b,4.0
NEIC II 13 04 40 35.2–.55 3.97N 126.45E 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=69.9km s-min=15.8km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=41.0km s-min=8.8km az=158.5.
NEIC Event type se. Error ellipse: s-maj=38.5km s-min=8.5km az=70.0.
IDC II 13 04 46 32.8–1.8 3.57N 126.77E 0 4.2,4.0b
¶15955883
IDC Error ellipse: s-maj=177.4km s-min=21.3km az=65.0.
IDC II 13 04 56 24.5–1.4 3.88N 126.59E 0 3.9,3.8
¶15955884
IDC Error ellipse: s-maj=158.2km s-min=20.1km az=66.0.
IDC II 13 05 07 06.8–1.3 3.74N 126.58E 0 4.0,3.9
¶15955885
IDC Error ellipse: s-maj=152.4km s-min=19.8km az=68.0.
IDC II 13 05 10 57.7–1.2 3.73N 126.70E 0 3.8,3.7
¶15955886
IDC Error ellipse: s-maj=144.7km s-min=17.0km az=67.0.
ISC II 13 05 25 02.3–.76 3.6N–.20 126.8E–.50 48 4.1b 19 24-91
IDC II 13 05 24 55.4–.82 3.55N 126.83E 0 4.1,4.0 **¶12700454**
NEIC II 13 05 25 01.0–.50 3.56N 126.87E 35 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=71.4km s-min=16.6km az=69.0.
NEIC Event type se. Error ellipse: s-maj=51.6km s-min=9.8km az=69.0.
ISC II 13 05 32 39.6–.80 3.9N–.10 126.7E–.30 45 4.3b 20 22-90
IDC II 13 05 32 33.0–.84 3.92N 126.59E 0 4.3,4.2 **¶12700455**
ISCJB II 13 05 32 37.6–.59 3.9N–.10 126.5E–.20 45 4.2b,4.2
NEIC II 13 05 32 38.5–.51 3.89N 126.59E 35 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=58.8km s-min=16.0km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=36.1km s-min=10.7km az=160.0.
NEIC Event type se. Error ellipse: s-maj=32.3km s-min=9.6km az=71.0.
IDC II 13 05 37 45.4–1.8 3.69N 126.30E 0 3.9,3.7
¶15955887
IDC Error ellipse: s-maj=246.2km s-min=19.4km az=66.0.
IDC II 13 05 42 51.7–1.4 3.24N 125.05E 0 3.7,3.7
¶15955888
IDC Error ellipse: s-maj=188.6km s-min=20.3km az=65.0.
ISC II 13 05 47 57.0–.49 3.75N–.05 127.09E–.07 47–2 4.6b,3.8s 159 3-149
IDC II 13 05 47 50.1–.50 3.64N 126.83E 0 4.5,4.5 **¶13434574**
BJI II 13 05 47 53.2 3.44N 127.08E 45 5.1b,4.6s
ISCJB II 13 05 47 54.7–.33 3.77N–.05 127.07E–.06 43 4.6b,4.0s
NEIC II 13 05 47 55.7–.32 3.78N 127.09E 35 4.8b,4.0s
DJA II 13 05 47 57 3.65N 127.18E 13 4.7b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=11.9km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.2km az=161.6.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.7km az=67.0.
ISC II 13 05 49 43.2–.72 3.8N–.20 126.2E–.30 107 4.3b 25 3-161
IDC II 13 05 49 30.0–.81 3.88N 126.12E 0 4.4,4.3b **¶12700458**
NEIC II 13 05 49 35.5–.45 3.84N 126.02E 35 4.3b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=77.0km s-min=16.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=45.1km s-min=9.6km az=67.0.
IDC II 13 05 55 41.7–1.3 3.86N 126.76E 0 4.0,3.9
¶15955889
IDC Error ellipse: s-maj=84.2km s-min=15.2km az=73.0.
ISC II 13 05 58 08.9–1.1 3.4N–.20 126.7E–.50 53 4.0b 18 21-74
IDC II 13 05 58 01.9–1.3 3.48N 126.72E 0 4.1,4.0 **¶12700460**
ISCJB II 13 05 58 07.0–.94 3.4N–.20 126.6E–.50 53 4.0b,4.0
NEIC II 13 05 58 07.0–.64 3.45N 126.77E 35 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=108.6km s-min=16.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=78.4km s-min=11.3km az=159.9.
NEIC Event type se. Error ellipse: s-maj=52.0km s-min=8.2km az=71.0.
ISC II 13 05 59 14.4–.52 3.84N–.08 126.8E–.10 36 4.4b,3.7s 51 3-123
IDC II 13 05 59 09.0–.64 3.80N 126.65E 0 4.3,4.3 **¶12700461**
ISCJB II 13 05 59 12.5–.37 3.79N–.06 126.7E–.10 36 4.4b,3.7s
NEIC II 13 05 59 13.3–3.5 3.80N 126.66E 28–25 4.4b,3.7s
DJA II 13 05 59 18 3.75N 126.62E 51 4.7b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=13.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=7.0km az=163.5.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=6.7km az=73.0.
ISC II 13 06 04 08.4–.95 4.0N–.10 126.9E–.30 36 4.1b 19 4-90
IDC II 13 06 04 02.9–1.0 4.01N 126.89E 0 4.1,4.0 **¶12700462**
ISCJB II 13 06 04 06.4–.78 4.0N–.10 126.8E–.30 36 4.0b,4.0
NEIC II 13 06 04 08.2–.61 3.95N 126.90E 35 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=67.2km s-min=15.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=49.5km s-min=10.8km az=157.7.
NEIC Event type se. Error ellipse: s-maj=37.6km s-min=8.8km az=68.0.
IDC II 13 06 05 22.2–1.4 4.15N 126.67E 0 4.1,3.9
¶15955890
IDC Error ellipse: s-maj=96.9km s-min=18.1km az=68.0.

IDC II 13 06 11 27.0–.86 3.78N 126.38E 0 4.1,4.0
¶15955891
IDC Error ellipse: s-maj=65.0km s-min=17.1km az=72.0.
ISC II 13 06 20 11.4–.65 3.61N–.10 126.4E–.20 53 4.2b 37 4-92
IDC II 13 06 20 04.2–.68 3.59N 126.09E 0 4.2,4.1 **¶12700466**
ISCJB II 13 06 20 09.2–.46 3.59N–.08 126.3E–.20 53 4.2b,4.1
NEIC II 13 06 20 09.2–.48 3.61N 126.35E 35 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=44.2km s-min=14.0km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=8.7km az=162.2.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=9.2km az=71.0.
IDC II 13 06 22 31.3–4.4 4.41N 127.74E 0 3.7,3.6
¶15955893
IDC Error ellipse: s-maj=434.8km s-min=24.3km az=66.0.
ISC II 13 06 28 45.7–.36 3.93N–.04 126.70E–.05 65–2 5.0b 340 3-161
IDC II 13 06 28 39.9–3.2 3.98N 126.59E 16–19 4.7,4.7 **¶13434575**
MOS II 13 06 28 40.8–.95 3.99N 126.60E 33 5.2b,4.2s
NEIC II 13 06 28 42.6–.19 3.99N 126.61E 35 5.1b,4.2s
TEH II 13 06 28 43.0 4.14N 126.99E 35 5.0L,4.2s
BJI II 13 06 28 44.2 3.95N 126.65E 69 5.2b,5.0b
ISCJB II 13 06 28 44.8–.48 4.01N–.03 126.79E–.04 72–4 4.9b,5.0b
DJA II 13 06 28 49 3.69N 126.82E 47 5.1b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=10.4km az=79.0.
MOS Error ellipse: s-maj=13.2km s-min=5.7km az=113.3.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.2km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.9km az=154.1.
ISC II 13 06 30 37.3–.70 3.6N–.10 126.4E–.20 53 4.6b 31 4-99
IDC II 13 06 30 30.1–.87 3.56N 126.29E 0 4.5,4.5b **¶12700468**
ISCJB II 13 06 30 35.7–.54 3.62N–.09 126.5E–.20 53 4.6b,3.6s
NEIC II 13 06 30 35.6–.46 3.57N 126.46E 35 4.8b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=52.8km s-min=18.0km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=10.5km az=161.7.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=9.5km az=69.0.
ISC II 13 06 37 15.8–.56 4.04N–.08 126.8E–.10 36 4.5b 61 3-123
IDC II 13 06 37 10.5–.63 4.07N 126.66E 0 4.4,4.4 **¶12700469**
ISCJB II 13 06 37 13.8–.44 4.07N–.07 126.7E–.10 36 4.4b,3.7s
NEIC II 13 06 37 15.5–.38 4.13N 126.86E 35 4.6b,3.7s
DJA II 13 06 37 24 3.67N 126.59E 46 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=14.5km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=8.1km az=159.1.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.8km az=75.0.
IDC II 13 07 12 26.0–3.9 4.77N 127.94E 0 3.7,3.5
¶15955894
IDC Error ellipse: s-maj=379.2km s-min=24.4km az=66.0.
IDC II 13 07 14 52.7–2.6 4.17N 127.07E 0 3.9,3.9
¶15955895
IDC Error ellipse: s-maj=385.2km s-min=21.0km az=66.0.
IDC II 13 07 27 49.1–2.0 4.20N 127.38E 0 3.8,3.7
¶15955896
IDC Error ellipse: s-maj=121.0km s-min=25.6km az=69.0.
ISC II 13 07 53 15.6–.72 3.5N–.10 126.4E–.30 53 4.1b 28 4-91
IDC II 13 07 53 08.4–.70 3.51N 126.31E 0 4.2,4.1 **¶12700474**
ISCJB II 13 07 53 13.2–.53 3.6N–.10 126.6E–.30 53 4.1b,4.1
NEIC II 13 07 53 13.6–.44 3.51N 126.38E 35 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=51.2km s-min=14.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=39.7km s-min=9.3km az=162.5.
NEIC Event type se. Error ellipse: s-maj=33.0km s-min=8.4km az=72.0.
ISC II 13 07 56 09.4–.31 3.66N–.03 126.65E–.05 57–2 5.1b,4.3s 468 3-161
MOS II 13 07 56 04.9–.99 3.63N 126.56E 33 5.4b,4.3s **¶13434577**
BJI II 13 07 56 06.2 3.50N 126.58E 57 5.3b,5.1b
NEIC II 13 07 56 06.9–.18 3.65N 126.62E 35 5.2b,5.1b
IDC II 13 07 56 06.2–3.5 3.66N 126.61E 30–25 4.7,4.7
ISCJB II 13 07 56 08.1–.41 3.66N–.02 126.69E–.03 63–3 5.2b,4.7
TEH II 13 07 56 09.0 3.77N 126.86E 55 5.2L,4.7
DJA II 13 07 56 14 3.46N 126.79E 92 5.1b,4.7
ISC Event type se.
MOS Error ellipse: s-maj=11.6km s-min=5.2km az=115.9.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.0km az=70.0.
IDC Error ellipse: s-maj=16.1km s-min=9.4km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.5km az=156.7.
IDC II 13 08 03 18.1–1.9 4.13N 127.78E 0 4.0,3.9
¶15955897
IDC Error ellipse: s-maj=188.3km s-min=21.4km az=65.0.
IDC II 13 08 09 50.7–1.9 4.85N 127.91E 0 3.8,3.7
¶15955898
IDC Error ellipse: s-maj=124.6km s-min=20.3km az=71.0.
IDC II 13 08 22 50.0–1.8 4.11N 127.23E 0 3.7,3.7
¶12700478
IDC Error ellipse: s-maj=125.9km s-min=20.6km az=70.0.
ISC II 13 08 23 42.1–.79 4.1N–.10 126.7E–.20 45 4.0b 23 3-85
IDC II 13 08 23 35.8–.91 4.12N 126.65E 0 4.0,3.9 **¶15955899**
ISCJB II 13 08 23 40.1–.64 4.1N–.10 126.6E–.20 45 4.0b,3.1s
NEIC II 13 08 23 41.0–.54 4.12N 126.70E 35 4.3b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=16.7km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=38.0km s-min=10.9km az=157.6.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=9.3km az=69.0.
IDC II 13 08 26 39.4–.83 3.67N 126.61E 0 4.1,4.0
¶15955901
IDC Error ellipse: s-maj=56.2km s-min=16.8km az=75.0.
ISC II 13 08 33 48.2–.64 3.8N–.10 126.1E–.20 107 4.2b 40 3-122
IDC II 13 08 33 35.2–.65 3.93N 126.28E 0 4.3,4.2 **¶12700480**
NEIC II 13 08 33 40.2–.32 3.84N 126.20E 35 4.4b,4.2
ISCJB II 13 08 33 46.1–.49 3.74N–.10 126.0E–.20 107 4.0b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 13 08 34 58.5–1.8 4.29N 127.18E 0 3.9,3.9
¶12700482
IDC Error ellipse: s-maj=122.6km s-min=24.0km az=70.0.
ISC II 13 08 35 49.1–.64 3.8N–.10 126.6E–.20 53 4.3b 38 21-123
IDC II 13 08 35 41.8–.79 3.70N 126.39E 0 4.2,4.2 **¶15955902**
ISCJB II 13 08 35 47.1–.51 3.76N–.08 126.5E–.20 53 4.3b,4.2
NEIC II 13 08 35 47.0–.49 3.77N 126.55E 35 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=17.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=9.6km az=163.9.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=9.2km az=72.0.
IDC II 13 08 42 02.8–2.0 4.12N 127.07E 0 3.9,3.8
¶15955904
IDC Error ellipse: s-maj=161.7km s-min=24.2km az=65.0.
ISC II 13 08 47 32.0–.72 4.1N–.10 126.8E–.20 36 3.9b 26 4-123
IDC II 13 08 47 26.7–.81 4.19N 126.76E 0 4.1,4.0 **¶12700484**
ISCJB II 13 08 47 29.8–.65 4.1N–.10 126.7E–.20 36 4.0b,4.0
NEIC II 13 08 47 31.5–.51 4.09N 126.68E 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=16.5km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=36.2km s-min=10.5km az=157.1.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=9.3km az=70.0.
IDC II 13 09 05 33.1–.84 4.01N 126.61E 0 3.9,3.9b
¶15955905
IDC Error ellipse: s-maj=55.3km s-min=16.3km az=74.0.
ISC II 13 09 15 51.0–.54 4.06N–.09 126.9E–.10 36 4.1b 41 4-123
IDC II 13 09 15 45.8–.68 4.09N 126.83E 0 4.2,4.1 **¶12700486**
ISCJB II 13 09 15 49.2–.41 4.06N–.07 126.8E–.10 36 4.1b,3.4s
NEIC II 13 09 15 51.0–.28 4.06N 126.83E 35 4.3b,3.4s
ISC Event type se.

IDC Error ellipse: s-maj=33.6km s-min=15.2km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=8.7km az=155.9.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.0km az=65.0.
IDC II 13 09 19 11.0–1.7 3.92N 126.87E 0 4.6s,4.6
¶15955906

IDC Error ellipse: s-maj=97.6km s-min=23.0km az=68.0.
IDC II 13 09 22 09.8–2.6 4.39N 127.29E 0 3.8,3.6
¶15955907

IDC Error ellipse: s-maj=223.0km s-min=25.1km az=66.0.
ISC II 13 09 27 42.8–.66 3.59N–.08 126.4E–.10 53 4.1b 30 4-123
IDC II 13 09 27 35.7–.78 3.61N 126.39E 0 4.2,4.1 **¶12700489**
ISCJB II 13 09 27 40.8–.53 3.60N–.07 126.4E–.10 53 4.2b,3.3s
NEIC II 13 09 27 41.0–.35 3.64N 126.44E 35 4.4b,3.3s
DJA II 13 09 27 44 3.67N 126.91E 30 4.6b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=15.8km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=9.3km az=172.7.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.4km az=81.0.
ISC II 13 09 29 44.1–.55 3.82N–.10 126.8E–.20 36 4.3b 38 3-123
IDC II 13 09 29 38.8–.64 3.86N 126.81E 0 4.3,4.2 **¶12700490**
ISCJB II 13 09 29 41.8–.51 3.83N–.08 126.8E–.20 36 4.2b,4.2
NEIC II 13 09 29 43.9–.43 3.81N 126.71E 35 4.4b,4.2
MAN II 13 09 30 39 7.42N 124.57E 32 4.1b,2.9L
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=14.9km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=9.4km az=161.2.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=9.7km az=74.0.
IDC II 13 09 43 49.6–2.3 4.00N 126.88E 0 3.6,3.5
¶15955908

IDC Error ellipse: s-maj=164.8km s-min=22.2km az=74.0.
ISC II 13 09 54 47.5–1.0 4.02N–.06 126.57E–.07 49–9 4.6b,3.8s 106 3-124
IDC II 13 09 54 40.4–.50 3.97N 126.36E 0 4.5,4.4 **¶13434578**
NEIC II 13 09 54 45.8–.30 3.97N 126.40E 35 4.7b,4.4
ISCJB II 13 09 54 47.4–.61 4.08N–.04 126.66E–.06 71–5 4.5b,4.4
BJI II 13 09 54 47.1 4.09N 126.16E 56 5.1b,4.7b
DJA II 13 09 54 48 3.71N 126.71E 10 4.9b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=12.0km az=63.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=6.2km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.0km az=154.0.
ISC II 13 09 59 22.8–.78 3.8N–.10 127.2E–.30 48 4.4b 41 5-123
IDC II 13 09 59 17.1–.72 3.41N 126.19E 0 4.4,4.3 **¶12700492**
ISCJB II 13 09 59 21.0–.66 3.7N–.10 127.0E–.30 48 4.4b,3.9s
NEIC II 13 09 59 21.5–.47 3.70N 126.90E 35 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=61.9km s-min=15.4km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=50.4km s-min=9.0km az=159.2.
NEIC Event type se. Error ellipse: s-maj=36.9km s-min=6.8km az=70.0.
ISC II 13 10 22 15.8–.39 3.66N–.06 126.65E–.09 53 4.5b,3.5s 124 3-132
IDC II 13 10 22 09.0–.58 3.60N 126.52E 0 4.4,4.3 **¶11672900**
BJI II 13 10 22 11.3 3.47N 126.79E 36 5.2b,4.7b
NEIC II 13 10 22 14.0–.31 3.65N 126.64E 35 4.8b,4.7b
ISCJB II 13 10 22 14.3–.27 3.62N–.05 126.65E–.08 53 4.5b,3.6s
DJA II 13 10 22 17 3.64N 126.99E 20 4.8b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=12.7km az=75.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.9km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=4.5km az=154.5.
ISC II 13 10 47 58.1–1.5 4.1N–.30 126.2E–.60 10 3.9b 7 4-61
IDC II 13 10 47 57.7–1.2 3.91N 126.07E 0 4.0,3.9b **¶15955909**
MAN II 13 10 48 51 7.38N 124.66E 12 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=115.4km s-min=16.3km az=69.0.
IDC II 13 10 53 39.2–2.2 3.62N 126.44E 0 3.8,3.7
¶15955910

IDC Error ellipse: s-maj=322.1km s-min=17.8km az=66.0.
IDC II 13 10 58 38.0–2.5 3.64N 126.38E 0 4.0,3.8
¶15955911

IDC Error ellipse: s-maj=311.8km s-min=19.3km az=65.0.
IDC II 13 11 19 43.1–1.4 3.87N 126.18E 0 3.8,3.6
¶15955913

IDC Error ellipse: s-maj=108.8km s-min=18.7km az=68.0.
ISC II 13 11 31 52.8–.34 3.98N–.03 126.80E–.05 62–2 4.9b 337 3-161
IDC II 13 11 31 44.4–.43 3.96N 126.67E 0 4.7,4.7 **¶13434584**
MOS II 13 11 31 47.7–.98 3.97N 126.66E 33 5.1b,4.2s
NEIC II 13 11 31 49.6–.25 3.97N 126.82E 35 5.1b,4.2s
BJI II 13 11 31 51.3 4.00N 126.72E 63 5.2b,4.8b
ISCJB II 13 11 31 52.3–.50 4.00N–.02 126.81E–.04 76–4 4.8b,4.8b
DJA II 13 11 31 54 3.73N 126.88E 30 5.1b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=10.4km az=71.0.
MOS Error ellipse: s-maj=14.2km s-min=5.7km az=114.8.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.6km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.9km az=164.0.
IDC II 13 11 35 33.3–1.6 4.06N 126.94E 0 4.2,4.0b
¶15955914

IDC Error ellipse: s-maj=165.4km s-min=21.8km az=65.0.
ISC II 13 11 40 39.4–.30 3.76N–.04 126.64E–.06 53 4.8b,4.2s 206 3-140
BJI II 13 11 40 32.2 3.25N 126.84E 40 5.2b,4.7b **¶11672905**
IDC II 13 11 40 32.3–.44 3.70N 126.47E 0 4.7,4.7
ISCJB II 13 11 40 37.8–.20 3.77N–.02 126.71E–.04 53 4.8b,4.1s
NEIC II 13 11 40 37.3–.28 3.75N 126.57E 35 4.9b,4.1s
DJA II 13 11 40 44 3.48N 126.66E 86 5.0b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=10.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=163.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.6km az=72.0.
IDC II 13 11 46 27.2–2.0 4.16N 127.17E 0 4.0,3.9b
¶15955915

IDC Error ellipse: s-maj=213.5km s-min=22.3km az=65.0.
IDC II 13 12 10 21.8–2.0 3.57N 126.30E 0 3.4,3.3
¶15955916

IDC Error ellipse: s-maj=203.2km s-min=21.7km az=66.0.
IDC II 13 12 10 31.1–1.6 3.55N 125.92E 0 3.7,3.6
¶15955919

IDC Error ellipse: s-maj=190.5km s-min=19.6km az=65.0.
ISC II 13 12 19 08.9–1.1 4.3N–.20 127.2E–.50 10 4.1b 12 4-90
IDC II 13 12 19 07.3–1.1 4.27N 127.39E 0 4.1,4.0 **¶15955920**
ISC Event type ke.
IDC Error ellipse: s-maj=96.8km s-min=14.0km az=71.0.
IDC II 13 12 23 58.2–.83 3.48N 126.98E 0 4.0,3.8
¶15955921

IDC Error ellipse: s-maj=54.7km s-min=15.4km az=76.0.
IDC II 13 12 26 22.6–1.2 4.00N 126.94E 0 4.0,3.9
¶15955922

IDC Error ellipse: s-maj=104.5km s-min=15.3km az=71.0.
ISC II 13 12 37 51.6–.23 3.79N–.03 126.74E–.04 39–2 5.4b,5.2s 707 3-169
IDC II 13 12 37 45.3–.35 3.68N 126.70E 0 5.1,5.1 **¶11672906**
BJI II 13 12 37 46.1 3.37N 126.89E 38 5.4b,5.3s
MOS II 13 12 37 49.2–1.4 3.76N 126.74E 33 5.7b,5.0s
ISCJB II 13 12 37 50.8–.39 3.77N–.02 126.85E–.02 49–3 5.4b,5.1s
NEIC II 13 12 37 51.0–.15 3.75N 126.68E 35 5.5b,5.3W
DJA II 13 12 37 55 3.77N 126.90E 65 5.3W,5.3W
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=7.6km az=72.0.
MOS Error ellipse: s-maj=9.7km s-min=4.7km az=115.3.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.1km az=157.9.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.8km az=67.0. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.86 $M_{\theta\theta}$0.27 $M_{\phi\phi}$-1.13 $M_{r\theta}$0.44 $M_{\theta\phi}$0.10 $M_{\phi r}$0.01 Best double couple: NP1:ϕ_s21.00000°,δ51.00000°,λ128.00000°. NP2:ϕ_s151.00000°,δ52.00000°,λ53.00000°. Principal axes: T 1.1000,Plg61.0000°,Azm356.0000° ; N 0.0400,Plg28.0000°,Azm175.0000°; P -1.1400,Plg0.0000°,Azm265.0000°
$M_0$1.10000×10^{17}
ISC II 13 12 43 31.5–1.2 3.8N–.30 125.7E–.50 35 4.2b 12 25-61
IDC II 13 12 43 25.9–1.2 4.25N 126.92E 0 4.3,4.2 **¶15955923**
ISC Event type ke.
IDC Error ellipse: s-maj=83.2km s-min=16.7km az=65.0.
IDC II 13 12 48 11.4–1.7 3.29N 126.67E 0 4.0,3.8
¶15955925

IDC Error ellipse: s-maj=183.6km s-min=19.6km az=65.0.
IDC II 13 12 49 05.8–1.1 4.05N 126.70E 0 4.1,4.0
¶15955928

IDC Error ellipse: s-maj=71.5km s-min=15.5km az=66.0.
ISC II 13 12 50 39.6–.80 4.0N–.10 126.6E–.20 45 4.2b 19 22-90
IDC II 13 12 50 33.4–.78 4.11N 126.69E 0 4.2,4.1 **¶15955929**
ISCJB II 13 12 50 37.8–.66 4.1N–.10 126.7E–.20 45 4.0b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC II 13 12 55 18.3–1.3 3.68N 126.48E 0 4.1s,4.1
¶15955930

IDC Error ellipse: s-maj=195.5km s-min=16.8km az=68.0.
IDC II 13 13 08 05.0–1.9 3.26N 125.96E 0 3.7,3.5
¶15955931

IDC Error ellipse: s-maj=186.5km s-min=23.8km az=64.0.
IDC II 13 13 18 17.2–.88 4.07N 126.71E 0 3.8,3.7
¶15955932

IDC Error ellipse: s-maj=56.6km s-min=15.7km az=69.0.
ISC II 13 13 32 02.7–.97 3.8N–.10 126.8E–.30 36 4.2b 15 4-84
IDC II 13 13 31 56.2–1.7 4.03N 126.84E 0 4.0,3.8 **¶12700518**
NEIC II 13 13 32 02.2–1.2 3.62N 126.15E 35 4.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=107.4km s-min=22.8km az=68.0.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=20.2km az=64.0.
ISC II 13 13 50 37.8–1.0 3.8N–.20 126.5E–.30 45 4.1b 18 22-57
IDC II 13 13 50 31.6–1.5 3.91N 126.67E 0 4.1,3.9 **¶12700522**
ISCJB II 13 13 50 35.4–.99 3.8N–.20 126.5E–.20 45 4.1b,3.9
NEIC II 13 13 50 36.4–.83 3.81N 126.56E 35 4.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=90.8km s-min=18.8km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=34.7km s-min=13.7km az=145.4.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=12.1km az=56.0.
IDC II 13 13 57 47.4–1.9 3.43N 126.96E 0 3.7,3.5
¶15955934

IDC Error ellipse: s-maj=161.8km s-min=25.0km az=65.0.
IDC II 13 14 03 44.4–.92 3.73N 126.62E 0 3.9,3.7
¶15955935

IDC Error ellipse: s-maj=67.2km s-min=15.3km az=68.0.
IDC II 13 14 07 01.4–2.0 4.03N 127.71E 0 3.7,3.5
¶15955936

IDC Error ellipse: s-maj=166.0km s-min=23.8km az=65.0.
IDC II 13 14 20 57.6–1.9 4.18N 127.23E 0 3.6,3.4
¶15955938

IDC Error ellipse: s-maj=162.2km s-min=23.1km az=65.0.
IDC II 13 14 25 13.0–1.8 3.99N 126.83E 0 3.8,3.6b
¶15955939

IDC Error ellipse: s-maj=154.6km s-min=22.6km az=65.0.
IDC II 13 14 35 42.0–1.5 3.82N 127.51E 0 3.9,3.8
¶15955941

IDC Error ellipse: s-maj=154.2km s-min=19.0km az=67.0.
IDC II 13 14 36 30.2–1.2 3.85N 127.20E 0 4.0,3.8
¶15955944

IDC Error ellipse: s-maj=93.5km s-min=16.8km az=69.0.
ISC II 13 14 38 30.8–.29 4.09N–.03 126.74E–.04 41–1 5.2b,4.3s 565 3-161
IDC II 13 14 38 25.4–.34 3.94N 126.57E 0 5.1,5.1b **¶13434589**
BJI II 13 14 38 26.4 3.83N 126.80E 31 5.3b,5.1b
MOS II 13 14 38 29.1–1.1 4.10N 126.73E 33 5.3b,4.1s
NEIC II 13 14 38 30.3–.16 4.14N 126.77E 35 5.3b,4.1s
ISCJB II 13 14 38 31.8–.40 4.07N–.02 126.82E–.03 61–3 5.2b,4.1s
DJA II 13 14 38 34 3.92N 126.66E 10 5.3b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=8.4km az=77.0.
MOS Error ellipse: s-maj=10.4km s-min=4.9km az=114.4.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.2km az=163.2.
IDC II 13 15 06 55.4–.78 3.96N 126.84E 0 4.3,4.2
¶15955945

IDC Error ellipse: s-maj=42.9km s-min=15.2km az=71.0.
ISC II 13 15 16 22.2–.72 3.9N–.10 126.6E–.20 45 4.1b 22 3-123
IDC II 13 15 16 15.9–.68 3.93N 126.57E 0 4.1,4.1b **¶15955946**
ISCJB II 13 15 16 20.3–.58 3.93N–.10 126.7E–.20 45 4.0b,4.1b
ISC Event type ke.
ISCJB Event type ke.
IDC II 13 15 22 04.2–2.1 3.67N 126.96E 0 3.8,3.7
¶15955948

IDC Error ellipse: s-maj=182.7km s-min=26.0km az=65.0.
IDC II 13 15 24 01.5–1.5 4.38N 127.29E 0 4.0,3.8b
¶15955950

IDC Error ellipse: s-maj=152.0km s-min=19.6km az=67.0.
IDC II 13 15 25 57.0–1.4 3.99N 126.70E 0 3.8,3.7
¶15955951

IDC Error ellipse: s-maj=146.6km s-min=19.4km az=67.0.
IDC II 13 15 32 30.3–1.6 4.24N 127.09E 0 4.1s,4.1
¶15955952

IDC Error ellipse: s-maj=98.7km s-min=22.4km az=68.0.
IDC II 13 15 33 03.3–1.1 3.61N 126.38E 0 3.9,3.8b
¶15955955

IDC Error ellipse: s-maj=61.5km s-min=20.3km az=78.0.
IDC II 13 15 34 10.7–1.4 3.51N 126.90E 0 3.8,3.6
¶15955956

IDC Error ellipse: s-maj=160.7km s-min=22.1km az=68.0.
IDC II 13 15 47 57.1–1.8 4.00N 126.65E 0 3.8,3.6
¶15955957

IDC Error ellipse: s-maj=156.5km s-min=23.7km az=65.0.
IDC II 13 15 49 30.3–.79 3.46N 126.37E 0 4.0,3.9
¶15955958

IDC Error ellipse: s-maj=53.3km s-min=15.0km az=73.0.
IDC II 13 15 53 17.2–1.9 4.05N 126.61E 0 3.5,3.3
¶15955959

IDC Error ellipse: s-maj=235.7km s-min=21.1km az=68.0.
IDC II 13 15 58 11.8–1.2 3.73N 126.71E 0 3.6,3.5
¶15955960

IDC Error ellipse: s-maj=128.6km s-min=17.8km az=67.0.
ISC II 13 16 03 01.2–.68 4.0N–.10 126.7E–.20 45 4.1b 19 3-123
IDC II 13 16 02 54.4–.65 4.02N 126.62E 0 4.1,4.0 **¶15955961**
ISCJB II 13 16 02 58.5–.62 4.0N–.10 126.8E–.20 45 4.0b,3.7s
ISC Event type ke.
ISCJB Event type ke.
IDC II 13 16 44 26.9–1.4 3.96N 127.00E 0 3.7,3.6
¶15955963

IDC Error ellipse: s-maj=108.0km s-min=18.3km az=72.0.
ISC II 13 16 49 13.7–.22 3.64N–.03 126.90E–.04 48 5.2b,4.7s 487 3-169
BJI II 13 16 49 07.9 3.20N 126.83E 35 5.3b,5.1b **¶11672918**
IDC II 13 16 49 07.4–.39 3.51N 126.68E 0 5.0,5.0
MOS II 13 16 49 10.7–1.1 3.60N 126.78E 33 5.5b,4.7s
TEH II 13 16 49 12.0 3.69N 127.09E 35 5.6L,4.7s
NEIC II 13 16 49 12.3–.19 3.64N 126.84E 35 5.2b,4.7s
ISCJB II 13 16 49 12.2–.17 3.64N–.02 126.92E–.03 48 5.2b,4.7s
DJA II 13 16 49 18 3.52N 126.91E 65 5.2b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=8.9km az=79.0.
MOS Error ellipse: s-maj=11.7km s-min=5.2km az=116.8.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.4km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=176.2.

IDC II 13 16 56 25.7–.62 3.52N 126.71E 0 4.2,4.1
¶15955964

IDC Error ellipse: s-maj=32.0km s-min=13.6km az=65.0.
IDC II 13 16 57 40.6–.70 3.56N 126.72E 0 4.3,4.2
¶15955965

IDC Error ellipse: s-maj=36.5km s-min=14.5km az=73.0.
IDC II 13 17 18 54.5–1.9 3.72N 127.42E 0 3.7,3.6
¶15955968

IDC Error ellipse: s-maj=111.6km s-min=26.3km az=68.0.
IDC II 13 17 19 38.3–.79 4.12N 126.85E 0 3.9,3.8
¶15955971

IDC Error ellipse: s-maj=46.5km s-min=15.2km az=70.0.
IDC II 13 17 54 40.0–1.5 3.84N 126.24E 0 3.5,3.4
¶15955973

IDC Error ellipse: s-maj=149.2km s-min=23.4km az=68.0.
IDC II 13 17 55 36.2–2.0 4.19N 126.78E 0 3.6,3.5
¶15955976

IDC Error ellipse: s-maj=171.2km s-min=24.5km az=65.0.
IDC II 13 17 58 43.1–1.2 3.14N 126.05E 0 3.6,3.4
¶15955977

IDC Error ellipse: s-maj=145.1km s-min=20.0km az=69.0.

ISC	**II**	**13 18 00 45.6–.56**	**4.01N–.05**	**126.87E–.09**	**41–3**	**4.5b,3.7s**	**124**	**3-123**	
BJI	II	13 18 00 40.7	3.46N	126.80E	35	5.0b,4.7s			**¶11672920**
IDC	II	13 18 00 40.6–.57	4.01N	126.74E	0	4.5,4.4			
ISCJB	II	13 18 00 43.3–.31	4.05N–.04	126.84E–.07	31	4.5b,3.8s			
TEH	II	13 18 00 45.0	4.13N	127.10E	35	4.6L,3.8s			
NEIC	II	13 18 00 45.5–.32	4.04N	126.82E	35	4.6b,3.8s			
DJA	II	13 18 00 51	3.76N	126.94E	44	4.6b,3.8s			

ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=12.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=4.9km az=164.5.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.8km az=74.0.
IDC II 13 18 06 25.2–2.0 3.97N 127.14E 0 4.3s,4.3
¶15955978

IDC Error ellipse: s-maj=148.3km s-min=26.2km az=65.0.
IDC II 13 18 10 50.1–1.8 4.08N 127.09E 0 4.0,3.8
¶15955979

IDC Error ellipse: s-maj=144.6km s-min=23.4km az=65.0.
IDC II 13 18 17 36.6–2.2 3.14N 126.04E 0 3.4,3.2
¶15955980

IDC Error ellipse: s-maj=210.7km s-min=25.7km az=65.0.
IDC II 13 18 20 07.7–2.0 3.79N 126.98E 0 3.6,3.4
¶15955981

IDC Error ellipse: s-maj=157.0km s-min=25.9km az=65.0.
IDC II 13 18 32 47.0–1.8 3.99N 126.85E 0 4.1,3.9
¶15955983

IDC Error ellipse: s-maj=148.2km s-min=23.2km az=65.0.
IDC II 13 18 36 03.8–1.8 3.25N 126.93E 0 3.6,3.4
¶15955984

IDC Error ellipse: s-maj=149.5km s-min=23.4km az=65.0.

ISC	**II**	**13 18 42 31.1–.48**	**3.82N–.05**	**127.12E–.08**	**28–2**	**4.7b,3.7s**	**153**	**3-123**	
BJI	II	13 18 42 26.3	3.52N	127.33E	29	5.1b,4.6s			**¶12083200**
IDC	II	13 18 42 26.4–.48	3.67N	126.93E	0	4.5,4.5			
ISCJB	II	13 18 42 29.0–1.4	3.93N–.04	127.08E–.06	23–9	4.5b,3.8s			
NEIC	II	13 18 42 31.4–.49	3.80N	127.23E	35	4.8b,3.8s			
DJA	II	13 18 42 35	3.64N	127.08E	50	4.5b,3.8s			

ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=9.5km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.0km az=161.2.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=9.1km az=76.0.
IDC II 13 18 51 24.8–2.1 3.92N 126.78E 0 3.6,3.4
¶15955985

IDC Error ellipse: s-maj=162.5km s-min=25.6km az=66.0.
IDC II 13 18 58 27.4–2.2 3.84N 126.86E 0 3.5,3.3
¶15955986

IDC Error ellipse: s-maj=183.4km s-min=26.0km az=66.0.

ISC	**II**	**13 19 00 50.8–.46**	**3.57N–.05**	**127.00E–.08**	**48**	**4.6b,3.8s**	**112**	**3-123**	
IDC	II	13 19 00 44.6–.64	3.46N	126.77E	0	4.3,4.3			**¶11672922**
BJI	II	13 19 00 47.9	3.60N	127.20E	35	5.2b,4.6b			
ISCJB	II	13 19 00 48.7–.34	3.57N–.04	127.09E–.05	48	4.5b,3.7s			
NEIC	II	13 19 00 49.1–.32	3.50N	126.91E	35	4.7b,3.7s			
DJA	II	13 19 00 53	3.51N	127.06E	49	4.5b,3.7s			

ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=13.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.2km az=175.8.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.8km az=75.0.
IDC II 13 19 10 46.3–1.3 3.87N 126.62E 0 3.9,3.8
¶15955987

IDC Error ellipse: s-maj=94.1km s-min=18.1km az=69.0.
IDC II 13 19 49 19.8–2.2 4.17N 126.85E 0 3.5,3.3
¶15955988

IDC Error ellipse: s-maj=204.9km s-min=21.9km az=67.0.
IDC II 13 19 54 42.1–1.1 3.66N 127.00E 0 4.1,4.0
¶15955989

IDC Error ellipse: s-maj=98.9km s-min=14.6km az=70.0.
IDC II 13 19 59 18.5–1.4 4.14N 126.92E 0 3.7,3.6
¶15955990

IDC Error ellipse: s-maj=151.6km s-min=17.5km az=67.0.
IDC II 13 20 03 46.8–1.9 4.25N 126.92E 0 3.6,3.5
¶15955991

IDC Error ellipse: s-maj=189.1km s-min=23.0km az=65.0.
IDC II 13 20 03 53.6–1.1 3.76N 125.92E 0 3.9,3.8
¶15955994

IDC Error ellipse: s-maj=178.6km s-min=16.0km az=67.0.
IDC II 13 20 09 25.6–1.0 3.90N 126.41E 0 3.8,3.7
¶15955995

IDC Error ellipse: s-maj=113.8km s-min=16.1km az=70.0.
IDC II 13 20 11 37.4–2.3 4.01N 126.55E 0 3.4,3.4
¶15955997

IDC Error ellipse: s-maj=249.3km s-min=30.3km az=70.0.
IDC II 13 20 20 34.0–1.5 4.02N 126.65E 0 3.7,3.6
¶15955999

IDC Error ellipse: s-maj=223.6km s-min=19.5km az=68.0.

ISC	**II**	**13 20 41 35.1–.51**	**3.74N–.07**	**126.96E–.09**	**36**	**4.5b,3.7s**	**112**	**3-123**	
IDC	II	13 20 41 29.7–.60	3.62N	126.55E	0	4.2,4.2			**¶11672925**
BJI	II	13 20 41 30.3	3.28N	126.96E	41	5.2b,4.7s			
ISCJB	II	13 20 41 33.1–.35	3.71N–.05	126.89E–.07	36	4.5b,3.8s			
NEIC	II	13 20 41 34.1–.50	3.79N	127.00E	35	4.7b,3.8s			
DJA	II	13 20 41 39	3.71N	126.90E	69	4.5b,3.8s			

ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=13.2km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.9km az=159.8.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=8.9km az=75.0.
IDC II 13 21 00 22.7–1.1 3.28N 126.34E 0 3.7,3.5
¶15956000

IDC Error ellipse: s-maj=93.4km s-min=15.5km az=69.0.
IDC II 13 21 25 46.4–1.6 3.95N 126.81E 0 3.8,3.6
¶12700587

IDC Error ellipse: s-maj=147.9km s-min=19.7km az=65.0.

ISC	**II**	**13 21 26 37.5–.26**	**3.76N–.03**	**126.48E–.04**	**41–1**	**5.5b,4.9s**	**768**	**3-169**	
BJI	II	13 21 26 33.2	3.45N	126.52E	39	5.4b,5.2b			**¶15956002**
MOS	II	13 21 26 34.9–.90	3.74N	126.45E	33	5.6b,4.9s			
IDC	II	13 21 26 37.0–1.4	3.76N	126.46E	36–10	5.0,5.0			
NEIC	II	13 21 26 36.6–.53	3.78N	126.46E	32–3	5.5b,5.2W			
ISCJB	II	13 21 26 38.7–.38	3.79N–.02	126.59E–.02	67–3	5.3b,5.2W			
TEH	II	13 21 26 38.0	3.89N	126.64E	42	5.5L,5.2W			
DJA	II	13 21 26 42	3.71N	126.71E	89	5.3W,5.2W			

ISC Event type se.
MOS Error ellipse: s-maj=9.9km s-min=4.7km az=116.1.
IDC Error ellipse: s-maj=12.2km s-min=8.2km az=67.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=70.0. Moment Tensor Solution. s25 Moment tensor: Scale 10^{16}Nm; M_{rr}1.13 $M_{\theta\theta}$-1.94 $M_{\phi\phi}$0.81 $M_{r\theta}$2.06 $M_{\theta\phi}$0.36 $M_{\phi r}$7.98
Best double couple: NP1:ϕ_s15.00000°,δ89.00000°,λ87.00000°. NP2:ϕ_s274.00000°,δ3.00000°,λ168.0000°. Principal axes: T 9.2200,Plg45.0000°,Azm282.0000°; N -1.9400,Plg2.0000°,Azm15.0000°; P -7.2800,Plg44.0000°,Azm108.0000° M_o8.40000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.8km az=157.5.
IDC II 13 21 31 23.3–1.8 4.11N 126.84E 0 4.4,4.2
¶15956004

IDC Error ellipse: s-maj=165.2km s-min=28.3km az=66.0.
IDC II 13 22 00 49.0–1.2 3.70N 126.37E 0 3.8,3.7
¶15956006

IDC Error ellipse: s-maj=129.8km s-min=18.8km az=68.0.
IDC II 13 22 08 24.7–1.7 4.38N 127.34E 0 3.8,3.7
¶15956007

IDC Error ellipse: s-maj=152.4km s-min=20.9km az=66.0.

ISC	**II**	**13 22 29 38.4–.84**	**3.8N–.20**	**127.2E–.30**	**36**	**4.1b**	**26**	**22-91**	
IDC	II	13 22 29 33.1–.93	3.86N	127.22E	0	4.2,4.0			**¶12700592**
ISCJB	II	13 22 29 36.6–.69	3.8N–.10	127.1E–.30	36	4.1b,3.4s			
NEIC	II	13 22 29 38.2–.56	3.75N	127.08E	35	4.4b,3.4s			

ISC Event type se.
IDC Error ellipse: s-maj=64.2km s-min=15.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=45.8km s-min=9.9km az=159.1.
NEIC Event type se. Error ellipse: s-maj=41.5km s-min=9.2km az=67.0.
IDC II 13 22 37 11.3–1.9 3.47N 126.66E 0 3.8,3.6
¶15956008

IDC Error ellipse: s-maj=146.3km s-min=25.4km az=65.0.
IDC II 13 22 44 57.8–1.0 3.63N 126.09E 0 3.9,3.8
¶15956010

IDC Error ellipse: s-maj=57.6km s-min=19.5km az=73.0.
IDC II 13 23 01 23.9–2.3 4.03N 127.03E 0 3.6,3.5
¶15956011

IDC Error ellipse: s-maj=196.0km s-min=27.2km az=65.0.
IDC II 13 23 13 57.3–2.2 3.90N 126.51E 0 3.7,3.5
¶15956012

IDC Error ellipse: s-maj=206.1km s-min=28.7km az=64.0.
IDC II 14 00 18 00.1–1.2 3.48N 126.60E 0 4.0,3.9
¶15956019

IDC Error ellipse: s-maj=138.5km s-min=16.6km az=67.0.

ISC	**II**	**14 01 15 55.0–.57**	**3.9N–.10**	**126.8E–.20**	**36**	**4.3b**	**39**	**3-123**	
IDC	II	14 01 15 49.7–.70	3.92N	126.70E	0	4.3,4.1			**¶12700610**
ISCJB	II	14 01 15 53.1–.41	3.89N–.09	126.6E–.20	36	4.4b,4.0s			
NEIC	II	14 01 15 54.8–.36	3.92N	126.74E	35	4.6b,4.0s			

ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=14.2km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=8.2km az=158.4.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=7.3km az=68.0.

ISC	**II**	**14 01 31 36.5–.48**	**4.02N–.07**	**126.7E–.10**	**45**	**4.4b**	**65**	**3-129**	
IDC	II	14 01 31 30.1–.58	4.07N	126.74E	0	4.3,4.3			**¶12700611**
NEIC	II	14 01 31 33.8–2.7	4.06N	126.67E	24–19	4.7b,4.3			
ISCJB	II	14 01 31 34.4–.34	4.03N–.05	126.64E–.10	45	4.4b,3.3s			

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

ISC	**II**	**14 01 57 43.7–.60**	**3.9N–.10**	**126.8E–.20**	**36**	**4.0b**	**31**	**21-123**	
IDC	II	14 01 57 38.2–.68	3.95N	126.75E	0	4.1,3.9			**¶12700612**
ISCJB	II	14 01 57 41.6–.46	3.94N–.08	126.7E–.20	36	4.0b,3.9			
NEIC	II	14 01 57 43.5–.34	3.92N	126.74E	35	4.3b,3.9			

ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=14.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=8.7km az=159.7.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=6.7km az=70.0.
IDC II 14 02 01 04.1–2.5 3.99N 126.64E 0 3.5,3.3
¶15956023

IDC Error ellipse: s-maj=205.9km s-min=27.8km az=66.0.
IDC II 14 02 10 31.0–1.2 3.20N 126.98E 0 4.0,3.9b
¶15956024

IDC Error ellipse: s-maj=131.5km s-min=16.6km az=68.0.
IDC II 14 02 47 00.4–2.0 4.24N 126.98E 0 3.7,3.5
¶15956027

IDC Error ellipse: s-maj=115.2km s-min=25.1km az=70.0.
IDC II 14 03 06 28.4–1.2 3.84N 126.86E 0 4.0,3.8
¶15956029

IDC Error ellipse: s-maj=104.8km s-min=15.6km az=70.0.
IDC II 14 04 28 30.7–1.2 3.74N 126.46E 0 3.6,3.5
¶15956032

IDC Error ellipse: s-maj=127.6km s-min=19.9km az=69.0.

ISC	**II**	**14 04 53 24.7–.63**	**3.78N–.07**	**127.0E–.10**	**53**	**4.3b,3.8s**	**54**	**3-95**	
IDC	II	14 04 53 17.7–.67	3.73N	126.65E	0	4.2,4.1			**¶12700625**
NEIC	II	14 04 53 22.4–.38	3.86N	127.11E	35	4.4b,4.1			
DJA	II	14 04 53 36.9–1.2	4N–8.0	126E–9.0	10	5.3b,4.7			

ISC Event type se.
NEIC Event type se.
IDC II 14 05 00 04.2–1.4 3.78N 126.51E 0 3.7,3.6
¶15956033

IDC Error ellipse: s-maj=157.6km s-min=20.0km az=68.0.

ISC	**II**	**14 05 30 10.1–.40**	**4.09N–.04**	**126.76E–.06**	**33–1**	**4.9b,4.3s**	**291**	**3-161**	
BJI	II	14 05 30 03.0	3.40N	126.90E	35	5.2b,4.8s			**¶13434612**
IDC	II	14 05 30 05.0–.45	4.15N	126.64E	0	4.8,4.8			
ISCJB	II	14 05 30 08.3–.20	4.23N–.02	126.92E–.04	33	4.9b,4.3s			
NEIC	II	14 05 30 10.5–.19	4.18N	126.75E	35	4.9b,4.3s			
TEH	II	14 05 30 11.0	4.21N	126.86E	35	4.9L,4.3s			
DJA	II	14 05 30 15	3.85N	126.93E	79	5.2b,4.3s			

ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=11.0km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.2km az=169.8.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.4km az=73.0.

ISC	**II**	**14 05 48 16.4–.90**	**3.8N–.10**	**127.4E–.40**	**35**	**4.1b**	**23**	**22-91**	
IDC	II	14 05 48 11.1–1.1	3.81N	127.33E	0	4.1,4.0			**¶12700630**
ISCJB	II	14 05 48 14.5–.71	3.7N–.20	127.1E–.40	33	4.0b,4.0			
NEIC	II	14 05 48 16.4–.50	3.76N	127.29E	35	4.2b,4.0			

ISC Event type se.
IDC Error ellipse: s-maj=99.4km s-min=14.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=66.0km s-min=9.8km az=161.6.
NEIC Event type se. Error ellipse: s-maj=45.3km s-min=7.1km az=73.0.
IDC II 14 05 51 47.4–1.1 4.24N 126.99E 0 4.1,4.0
¶15956035

IDC Error ellipse: s-maj=87.1km s-min=16.0km az=70.0.

ISC	**II**	**14 06 55 43.4–.89**	**3.8N–.10**	**127.3E–.30**	**35**	**4.1b**	**28**	**22-92**	
IDC	II	14 06 55 38.3–.95	3.82N	127.27E	0	4.2,4.1b			**¶12700634**
NEIC	II	14 06 55 43.4–.55	3.78N	127.28E	35	4.2b,4.1b			

ISC Event type se.
IDC Error ellipse: s-maj=64.9km s-min=14.3km az=69.0.
NEIC Event type se. Error ellipse: s-maj=36.7km s-min=8.1km az=69.0.
IDC II 14 07 16 10.3–2.1 4.67N 126.88E 0 4.0,3.8
¶15956037

IDC Error ellipse: s-maj=151.3km s-min=29.2km az=64.0.

ISC	**II**	**14 07 18 43.7–.91**	**4.0N–.10**	**127.0E–.30**	**36**	**4.1b**	**25**	**3-92**	
IDC	II	14 07 18 38.2–.99	4.15N	127.01E	0	4.1,4.0			**¶12700638**
ISCJB	II	14 07 18 42.1–.72	4.0N–.10	126.9E–.20	36	4.0b,4.0			
NEIC	II	14 07 18 43.2–.66	4.10N	127.00E	35	4.3b,4.0			

ISC Event type se.
IDC Error ellipse: s-maj=65.8km s-min=15.1km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=38.6km s-min=7.4km az=155.2.
NEIC Event type se. Error ellipse: s-maj=44.1km s-min=10.0km az=69.0.

ISC	**II**	**14 07 25 17.5–.38**	**3.76N–.04**	**126.88E–.07**	**48**	**4.7b,3.8s**	**139**	**3-123**	
IDC	II	14 07 25 11.2–.51	3.64N	126.50E	0	4.5,4.5			**¶11673084**
BJI	II	14 07 25 13.4	3.54N	126.94E	35	5.2b,4.9s			
ISCJB	II	14 07 25 16.0–.28	3.74N–.03	126.90E–.05	48	4.6b,3.9s			
NEIC	II	14 07 25 16.4–.31	3.71N	126.61E	35	4.8b,3.9s			
DJA	II	14 07 25 21	3.53N	126.81E	47	4.6b,3.9s			

ISC Event type fe.
IDC Error ellipse: s-maj=27.0km s-min=11.7km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.0km az=172.9.

NEIC Event type fe. Error ellipse: s-maj=16.1km s-min=6.3km az=71.0. Felt [II] at Melonguane.
ISC II 14 08 03 37.8–.46 4.07N–.04 126.78E–.06 34–1 4.6b,4.1s 163 3-149
BJI II 14 08 03 29.5 3.31N 126.93E 35 5.1b,4.7s ¶11673086
ISCJB II 14 08 03 35.8–.24 4.09N–.02 126.85E–.04 32 4.6b,4.1s
NEIC II 14 08 03 37.5–.39 4.06N 126.78E 35 4.6b,4.1s
IDC II 14 08 03 42.2–1.7 3.92N 126.47E 79–15 4.2,4.2
DJA II 14 08 03 44 3.72N 126.69E 38 4.8b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=171.2.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=7.5km az=78.0. Felt [III] at Melonguane.
IDC Error ellipse: s-maj=19.6km s-min=8.2km az=78.0.
IDC II 14 09 34 30.2–1.7 4.31N 127.10E 0 3.9,3.8
¶15956040

IDC Error ellipse: s-maj=95.3km s-min=22.5km az=68.0.
IDC II 14 09 59 05.5–1.9 4.45N 127.34E 0 3.8,3.6
¶15956043

IDC Error ellipse: s-maj=152.7km s-min=23.6km az=65.0.
IDC II 14 10 49 30.9–2.1 3.94N 126.84E 0 3.8,3.6
¶15956046

IDC Error ellipse: s-maj=190.0km s-min=22.8km az=65.0.
ISC II 14 11 23 27.1–.35 3.71N–.04 126.81E–.07 48 4.5b,3.5s 132 3-149
IDC II 14 11 23 20.6–.45 3.63N 126.58E 0 4.3L,4.3 ¶11673091
ISCJB II 14 11 23 25.7–.27 3.76N–.03 126.93E–.05 48 4.4b,3.7s
BJI II 14 11 23 25.6 3.88N 126.84E 36 5.2b,4.8s
NEIC II 14 11 23 25.9–.33 3.79N 126.92E 35 4.7b,4.8s
DJA II 14 11 23 34 3.36N 126.86E 43 4.7,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=8.6km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.0km az=161.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.8km az=65.0.
IDC II 14 12 07 57.3–1.9 3.95N 127.01E 0 3.5,3.3
¶15956047

IDC Error ellipse: s-maj=151.8km s-min=23.8km az=66.0.
IDC II 14 12 12 03.8–.64 3.76N 126.71E 0 4.0,3.9
¶15956048

IDC Error ellipse: s-maj=32.8km s-min=14.0km az=72.0.
IDC II 14 12 13 33.9–1.2 4.04N 126.41E 0 3.9,3.7b
¶15956049

IDC Error ellipse: s-maj=131.5km s-min=19.7km az=69.0.
IDC II 14 12 14 26.2–2.3 4.06N 126.67E 0 3.8,3.6
¶15956052

IDC Error ellipse: s-maj=191.9km s-min=25.8km az=66.0.
IDC II 14 12 15 53.7–1.7 3.73N 127.04E 0 3.7,3.5
¶15956053

IDC Error ellipse: s-maj=143.0km s-min=28.1km az=69.0.
IDC II 14 12 26 45.8–2.2 3.85N 126.85E 0 3.6,3.4
¶15956054

IDC Error ellipse: s-maj=172.9km s-min=27.3km az=66.0.
IDC II 14 12 31 13.2–1.2 3.98N 126.88E 0 3.7,3.6
¶15956055

IDC Error ellipse: s-maj=95.3km s-min=17.5km az=73.0.
IDC II 14 12 55 15.4–1.0 3.70N 126.02E 0 4.0,3.9
¶15956058

IDC Error ellipse: s-maj=179.5km s-min=16.7km az=68.0.
IDC II 14 14 37 38.8–1.3 3.47N 126.71E 0 3.7,3.6b
¶15956063

IDC Error ellipse: s-maj=130.4km s-min=19.6km az=68.0.
IDC II 14 14 43 22.1–1.2 4.03N 126.71E 0 3.9,3.7
¶15956064

IDC Error ellipse: s-maj=70.0km s-min=16.3km az=67.0.
IDC II 14 15 02 25.3–1.3 4.09N 126.98E 0 3.7,3.5
¶15956066

IDC Error ellipse: s-maj=144.1km s-min=18.6km az=69.0.
ISC II 14 15 29 09.7–.82 3.9N–.10 126.7E–.20 45 4.0b 15 3-92
IDC II 14 15 29 03.4–.81 3.99N 126.69E 0 4.0,3.8 ¶15956067
ISCJB II 14 15 29 08.1–.64 3.9N–.10 126.6E–.20 45 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC II 14 15 42 24.9–1.3 4.12N 126.91E 0 3.8s,3.8
¶15956069

IDC Error ellipse: s-maj=126.0km s-min=19.1km az=69.0.
IDC II 14 16 26 30.5–1.7 4.34N 127.02E 0 3.7,3.6
¶15956070

IDC Error ellipse: s-maj=145.1km s-min=21.3km az=67.0.
IDC II 14 16 41 42.0–2.6 4.21N 127.14E 0 3.7,3.5
¶15956071

IDC Error ellipse: s-maj=215.7km s-min=26.5km az=66.0.
IDC II 14 17 01 18.8–1.9 4.16N 127.24E 0 3.7,3.5
¶15956072

IDC Error ellipse: s-maj=152.8km s-min=24.4km az=65.0.
IDC II 14 17 04 01.5–2.2 3.31N 125.07E 0 3.4,3.2
¶15956073

IDC Error ellipse: s-maj=229.5km s-min=25.9km az=64.0.
IDC II 14 17 05 35.5–2.1 3.22N 125.97E 0 3.3,3.1
¶15956074

IDC Error ellipse: s-maj=193.2km s-min=25.6km az=65.0.
IDC II 14 17 27 07.4–1.2 3.85N 126.57E 0 3.6,3.4b
¶15956076

IDC Error ellipse: s-maj=131.3km s-min=17.4km az=68.0.
IDC II 14 17 50 31.9–.98 4.20N 127.45E 0 4.0s,4.0
¶15956077

IDC Error ellipse: s-maj=78.0km s-min=19.0km az=73.0.
ISC II 14 18 26 55.6–.53 3.78N–.05 126.76E–.09 98–3 4.3b 126 3-157
IDC II 14 18 26 43.8–.54 3.93N 126.75E 0 4.3,4.2 ¶11673098
NEIC II 14 18 26 48.3–.36 3.96N 127.02E 35 4.5b,4.2
BJI II 14 18 26 55.6 4.04N 126.65E 98 4.9b,4.7b
DJA II 14 18 26 58 3.70N 126.65E 97 4.6b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=11.5km az=72.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.2km az=69.0.
ISC II 14 18 46 24.0–.63 3.94N–.06 126.8E–.10 36 3.9b 25 3-92
IDC II 14 18 46 18.2–.66 3.95N 126.77E 0 4.0,4.0 ¶15956078
ISCJB II 14 18 46 22.2–.47 3.95N–.06 126.84E–.10 36 3.9b,4.0
DJA II 14 18 46 45.1–1.1 0N–11 126E–4.0 131–17 4.0b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC II 14 18 52 22.4–.53 3.74N–.05 126.80E–.10 48 4.1b,3.5s 56 3-123
IDC II 14 18 52 15.5–.63 3.70N 126.88E 0 4.2,4.1 ¶12700691
DJA II 14 18 52 19.8–.80 3N–6.0 127E–6.0 196–33 4.6b,4.5b
ISCJB II 14 18 52 20.0–.40 3.73N–.04 126.82E–.07 48 4.1b,3.5s
NEIC II 14 18 52 20.4–.43 3.67N 126.74E 35 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=13.6km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.5km az=170.9.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=8.8km az=72.0.
IDC II 14 19 02 02.8–2.4 3.87N 126.14E 0 3.6,3.4b
¶15956080

IDC Error ellipse: s-maj=224.6km s-min=27.5km az=65.0.
IDC II 14 19 25 46.7–1.7 3.99N 126.81E 0 3.5,3.3
¶15956081

IDC Error ellipse: s-maj=173.6km s-min=26.2km az=68.0.
IDC II 14 19 40 35.6–2.4 3.90N 126.39E 0 3.4,3.2
¶15956082

IDC Error ellipse: s-maj=210.6km s-min=26.9km az=66.0.
ISC II 14 20 05 44.6–.88 3.98N–.04 126.75E–.07 88–8 4.4b 101 3-123
IDC II 14 20 05 34.2–.60 3.99N 126.62E 0 4.4,4.3 ¶11673101
DJA II 14 20 05 37 4.27N 127.20E 10 4.7b,4.3
NEIC II 14 20 05 39.1–.35 4.01N 126.82E 35 4.4b,4.3
BJI II 14 20 05 40.1 3.41N 126.91E 101 4.9b,4.6b
ISCJB II 14 20 05 41.4–.66 4.00N–.04 126.71E–.06 70–6 4.4b,4.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 14 21 12 27.5–1.1 3.17N 125.21E 0 3.6,3.5b
¶15956086

IDC Error ellipse: s-maj=137.4km s-min=17.7km az=67.0.
IDC II 14 21 45 33.8–1.4 3.62N 126.08E 0 3.4,3.3
¶15956089

IDC Error ellipse: s-maj=148.0km s-min=21.4km az=69.0.
ISC II 14 22 14 06.7–.57 3.69N–.08 127.02E–.10 48 4.3b 40 3-91
IDC II 14 22 13 59.9–.82 3.71N 127.08E 0 4.2,4.1 ¶12700711
ISCJB II 14 22 14 04.7–.41 3.73N–.05 127.05E–.08 48 4.2b,4.1
NEIC II 14 22 14 05.2–.41 3.65N 126.99E 35 4.5b,4.1
DJA II 14 22 14 11.2–2.1 3N–22 127E–6.0 132–19 5.3,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC II 14 22 41 35.3–2.0 3.12N 126.02E 0 3.5,3.3
¶15956091

IDC Error ellipse: s-maj=201.2km s-min=24.0km az=64.0.
IDC II 14 22 42 29.7–1.4 3.94N 126.54E 0 3.8,3.7
¶15956094

IDC Error ellipse: s-maj=208.0km s-min=18.0km az=68.0.
IDC II 14 22 47 00.7–.80 3.64N 126.82E 0 4.1,4.0
¶15956095

IDC Error ellipse: s-maj=76.2km s-min=14.6km az=74.0.
IDC II 14 23 11 59.9–2.3 3.90N 126.75E 0 3.5,3.3
¶15956098

IDC Error ellipse: s-maj=193.9km s-min=26.0km az=66.0.
IDC II 14 23 15 10.8–1.1 4.10N 126.88E 0 3.9,3.7
¶15956099

IDC Error ellipse: s-maj=68.4km s-min=14.8km az=69.0.
IDC II 14 23 32 56.2–2.1 2.72N 125.88E 0 3.5,3.3
¶15956100

IDC Error ellipse: s-maj=188.5km s-min=26.9km az=65.0.
ISC II 15 00 05 32.5–.42 3.77N–.05 127.07E–.08 48 4.7b,3.6s 151 3-123
BJI II 15 00 05 22.5 2.88N 127.30E 35 5.0b,4.7b ¶13434644
IDC II 15 00 05 26.2–.61 3.72N 127.03E 0 4.5,4.4
ISCJB II 15 00 05 30.9–.28 3.76N–.04 127.10E–.06 48 4.6b,3.6s
NEIC II 15 00 05 31.2–.31 3.80N 127.07E 35 4.8b,3.6s
DJA II 15 00 05 45 3.24N 126.65E 65 4.3,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=12.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.0km az=166.5.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=75.0.
ISC II 15 00 27 57.9–.43 3.67N–.05 126.83E–.09 48 4.5b,3.6s 90 3-157
IDC II 15 00 27 51.4–.59 3.57N 126.40E 0 4.5,4.4 ¶11677842
ISCJB II 15 00 27 55.7–.32 3.69N–.04 126.85E–.06 48 4.5b,3.6s
NEIC II 15 00 27 55.8–.38 3.81N 127.04E 35 4.6b,3.6s
BJI II 15 00 27 56.4 3.32N 126.41E 68 5.0b,4.9b
DJA II 15 00 28 26 2.46N 125.97E 333 4.2b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=12.9km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.0km az=164.5.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.9km az=66.0.
IDC II 15 00 37 21.8–1.8 3.88N 127.06E 0 3.9,3.7
¶15956109

IDC Error ellipse: s-maj=148.1km s-min=21.7km az=67.0.
IDC II 15 02 17 59.1–1.5 3.50N 126.57E 0 3.5,3.4
¶15956116

IDC Error ellipse: s-maj=129.3km s-min=26.0km az=67.0.
IDC II 15 02 19 28.5–1.4 4.31N 127.09E 0 3.8,3.7
¶15956118

IDC Error ellipse: s-maj=196.2km s-min=16.9km az=68.0.
IDC II 15 02 25 22.6–1.8 3.98N 127.41E 0 3.6,3.5
¶15956119

IDC Error ellipse: s-maj=146.6km s-min=21.9km az=67.0.
ISC II 15 03 20 32.9–.55 3.3N–.10 126.8E–.20 53 4.2b 42 21-149
IDC II 15 03 20 25.5–.65 3.35N 126.89E 0 4.1,4.0 ¶12700746
NEIC II 15 03 20 31.2–.38 3.20N 126.57E 35 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=14.6km az=72.0.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=8.3km az=74.0.
IDC II 15 03 35 20.0–2.2 3.77N 127.91E 0 3.8,3.6
¶15956124

IDC Error ellipse: s-maj=162.4km s-min=24.6km az=67.0.
ISC II 15 03 50 48.9–.46 3.93N–.08 126.5E–.10 45 4.3b 60 3-123
IDC II 15 03 50 42.5–.62 3.88N 126.38E 0 4.3,4.2 ¶12700749
ISCJB II 15 03 50 47.1–.31 3.89N–.06 126.4E–.10 45 4.3b,4.2
NEIC II 15 03 50 47.8–.21 3.89N 126.40E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=13.2km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=5.9km az=153.5.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=4.2km az=62.0.
IDC II 15 04 07 36.8–.91 3.23N 127.90E 0 4.0,3.9
¶15956125

IDC Error ellipse: s-maj=75.4km s-min=14.9km az=74.0.
IDC II 15 04 11 40.0–1.1 3.39N 126.74E 0 3.8,3.7
¶15956126

IDC Error ellipse: s-maj=94.5km s-min=17.1km az=71.0.
IDC II 15 04 21 44.5–1.4 4.00N 126.22E 0 3.7,3.6
¶15956127

IDC Error ellipse: s-maj=167.4km s-min=18.8km az=66.0.
ISC II 15 04 27 28.0–.44 3.72N–.05 126.76E–.08 53 4.3b 60 3-92
IDC II 15 04 27 20.7–.60 3.62N 126.39E 0 4.3,4.2 ¶12700754
NEIC II 15 04 27 25.9–.23 3.60N 126.58E 35 4.4b,4.2
ISCJB II 15 04 27 26.2–.31 3.77N–.03 126.86E–.06 53 4.3b,4.2
DJA II 15 04 27 29.6–1.3 4N–9.0 127E–6.0 65 4.9b,4.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 15 04 40 34.7–.36 3.98N–.03 126.78E–.05 34–1 5.1b,4.0s 480 3-167
BJI II 15 04 40 29.6 3.52N 126.76E 33 5.1b,5.0b ¶13434654
IDC II 15 04 40 32.9–2.2 3.97N 126.64E 20–13 4.7,4.7
ISCJB II 15 04 40 32.9–.17 4.03N–.02 126.81E–.03 33 5.0b,4.0s
MOS II 15 04 40 33.1–.98 3.95N 126.66E 33 5.3b,4.0s
NEIC II 15 04 40 33.2–1.9 3.97N 126.71E 24–13 5.1b,4.0s
TEH II 15 04 40 35.0 4.09N 126.93E 35 5.0L,4.0s
DJA II 15 04 40 40 3.91N 126.76E 51 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=8.8km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.2km az=166.8.
MOS Error ellipse: s-maj=11.6km s-min=5.1km az=117.7.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.8km az=74.0.
IDC II 15 04 51 31.7–1.3 3.82N 126.15E 0 3.8,3.7
¶15956128

IDC Error ellipse: s-maj=198.9km s-min=17.4km az=68.0.
IDC II 15 04 53 53.7–1.2 3.78N 126.88E 0 3.8,3.7
¶15956129

IDC Error ellipse: s-maj=125.1km s-min=18.1km az=68.0.
IDC II 15 05 05 01.4–2.0 4.08N 126.58E 0 3.9,3.7
¶15956130

IDC Error ellipse: s-maj=171.8km s-min=26.9km az=64.0.
IDC II 15 05 21 13.5–1.2 3.03N 127.00E 0 3.9,3.7
¶15956131

IDC Error ellipse: s-maj=97.5km s-min=18.2km az=72.0.
IDC II 15 05 37 53.8–1.6 3.55N 126.77E 0 3.5,3.4
¶15956132

IDC Error ellipse: s-maj=168.0km s-min=26.9km az=69.0.
IDC II 15 05 41 36.9–2.0 3.07N 126.01E 0 3.8,3.6
¶15956133

IDC Error ellipse: s-maj=187.4km s-min=25.9km az=64.0.

IDC II 15 06 34 07.8–1.3 3.68N 126.74E 0 3.6,3.5
¶15956135

IDC Error ellipse: s-maj=124.2km s-min=19.5km az=69.0.
IDC II 15 07 06 46.2–1.2 3.74N 126.70E 0 3.7,3.5
¶15956137

IDC Error ellipse: s-maj=123.8km s-min=19.0km az=68.0.
IDC II 15 07 26 31.2–1.5 4.15N 127.00E 0 3.8,3.7
¶15956138

IDC Error ellipse: s-maj=140.5km s-min=19.9km az=67.0.

ISC	**II**	**15 08 03 43.8–.36**	**3.80N–.04**	**126.93E–.06**	**48**	**4.7b,3.7s**	**161**	**3-124**
BJI	II	15 08 03 35.4	3.08N	127.06E	35	5.0b,4.8b		¶13434656
IDC	II	15 08 03 37.3–.57	3.68N	126.69E	0	4.5,4.5		
ISCJB	II	15 08 03 42.2–.25	3.74N–.03	126.97E–.05	48	4.6b,3.8s		
NEIC	II	15 08 03 42.5–.31	3.78N	126.93E	35	4.8b,3.8s		
DJA	II	15 08 03 46	3.73N	127.00E	54	4.8b,3.8s		

ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=12.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.9km az=167.3.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.2km az=76.0.
IDC II 15 08 23 03.0–1.1 3.97N 127.10E 0 3.8,3.6
¶12700775

IDC Error ellipse: s-maj=65.5km s-min=20.3km az=76.0.
IDC II 15 08 36 54.1–1.7 3.98N 126.84E 0 3.7,3.5
¶15956143

IDC Error ellipse: s-maj=160.2km s-min=20.5km az=65.0.
IDC II 15 08 38 38.0–1.1 4.20N 127.10E 0 3.8,3.7
¶15956144

IDC Error ellipse: s-maj=96.2km s-min=15.2km az=71.0.
IDC II 15 08 40 19.4–1.4 3.73N 126.03E 0 3.8,3.7
¶15956145

IDC Error ellipse: s-maj=171.8km s-min=17.7km az=66.0.
IDC II 15 08 50 48.5–1.2 4.20N 127.00E 0 3.8,3.7
¶15956148

IDC Error ellipse: s-maj=131.4km s-min=17.7km az=67.0.
IDC II 15 08 56 04.5–1.2 3.78N 126.68E 0 3.8,3.6
¶15956149

IDC Error ellipse: s-maj=120.8km s-min=19.9km az=68.0.
IDC II 15 10 30 19.8–.92 4.04N 126.79E 0 3.9,3.7
¶15956151

IDC Error ellipse: s-maj=51.0km s-min=17.7km az=71.0.
IDC II 15 10 46 17.9–1.1 4.04N 126.35E 0 3.8s,3.8
¶15956153

IDC Error ellipse: s-maj=123.1km s-min=17.6km az=66.0.
IDC II 15 11 47 11.7–2.1 4.36N 127.22E 0 3.7,3.5
¶15956154

IDC Error ellipse: s-maj=158.6km s-min=25.8km az=65.0.
IDC II 15 12 47 55.6–1.2 3.68N 126.81E 0 3.8,3.6
¶15956156

IDC Error ellipse: s-maj=120.3km s-min=17.9km az=68.0.
IDC II 15 13 34 55.8–1.0 3.90N 126.55E 0 4.0,3.9
¶15956159

IDC Error ellipse: s-maj=99.0km s-min=14.0km az=70.0.
IDC II 15 13 41 46.9–1.0 3.74N 126.02E 0 3.8,3.7
¶15956160

IDC Error ellipse: s-maj=94.0km s-min=14.9km az=69.0.
IDC II 15 13 43 52.5–1.4 4.30N 127.01E 0 3.8,3.7b
¶15956161

IDC Error ellipse: s-maj=159.3km s-min=16.6km az=66.0.
IDC II 15 14 01 21.9–1.6 3.85N 126.11E 0 3.6,3.5
¶15956162

IDC Error ellipse: s-maj=227.5km s-min=23.9km az=68.0.
IDC II 15 14 27 18.8–2.2 4.03N 127.05E 0 3.5,3.3
¶15956163

IDC Error ellipse: s-maj=156.2km s-min=27.6km az=66.0.
IDC II 15 14 31 38.0–.93 3.42N 126.98E 0 3.8,3.6
¶15956164

IDC Error ellipse: s-maj=48.1km s-min=17.6km az=70.0.
IDC II 15 15 45 43.5–1.1 3.45N 126.33E 0 3.7,3.5
¶15956167

IDC Error ellipse: s-maj=126.5km s-min=17.8km az=68.0.
IDC II 15 15 58 45.8–1.9 3.94N 126.51E 0 3.6,3.4
¶15956168

IDC Error ellipse: s-maj=158.3km s-min=23.8km az=65.0.

ISC	**II**	**15 16 16 57.4–.33**	**3.95N–.03**	**126.67E–.05**	**75–2**	**4.9b**	**486**	**3-157**
IDC	II	15 16 16 47.6–.37	3.92N	126.62E	0	4.7,4.7		¶11677928
MOS	II	15 16 16 51.1–.91	4.03N	126.61E	33	5.3b,4.1s		
NEIC	II	15 16 16 53.0–.16	4.03N	126.62E	35	5.0b,4.1s		
BJI	II	15 16 16 54.0	3.77N	126.56E	76	5.1b,4.9b		
ISCJB	II	15 16 16 55.2–.42	4.01N–.02	126.72E–.03	71–4	4.8b,4.9b		
DJA	II	15 16 16 57	3.93N	126.81E	59	4.9b,4.9b		

ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=8.1km az=79.0.
MOS Error ellipse: s-maj=12.5km s-min=5.3km az=115.8.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.5km az=162.5.
IDC II 15 16 47 10.5–1.4 3.89N 127.16E 0 3.5,3.3
¶15956172

IDC Error ellipse: s-maj=131.6km s-min=21.4km az=70.0.
IDC II 15 17 56 14.7–2.0 3.23N 126.32E 0 3.7,3.5
¶15956175

IDC Error ellipse: s-maj=189.7km s-min=24.9km az=65.0.
IDC II 15 21 01 06.7–1.1 3.92N 126.73E 0 3.9,3.7
¶15956181

IDC Error ellipse: s-maj=138.3km s-min=19.1km az=70.0.
IDC II 15 22 29 31.5–1.9 4.00N 126.80E 0 4.0,3.8
¶15956185

IDC Error ellipse: s-maj=163.9km s-min=26.1km az=64.0.
IDC II 15 23 00 45.0–1.6 3.89N 126.68E 0 3.7,3.6
¶15956186

IDC Error ellipse: s-maj=165.5km s-min=21.5km az=64.0.
IDC II 16 00 05 49.0–1.3 3.77N 126.37E 0 3.9,3.7
¶15956228

IDC Error ellipse: s-maj=208.0km s-min=17.9km az=68.0.
IDC II 16 02 56 24.2–1.1 3.98N 126.45E 0 4.0,3.8s
¶15956236

IDC Error ellipse: s-maj=109.4km s-min=15.8km az=70.0.
IDC II 16 03 00 48.6–1.2 3.52N 126.89E 0 3.7,3.6
¶15956237

IDC Error ellipse: s-maj=91.9km s-min=18.8km az=72.0.
IDC II 16 04 32 22.5–1.6 3.48N 126.71E 0 3.5,3.4
¶15956242

IDC Error ellipse: s-maj=148.4km s-min=25.8km az=69.0.
IDC II 16 04 58 02.0–2.4 3.98N 126.71E 0 3.8s,3.8
¶15956243

IDC Error ellipse: s-maj=206.5km s-min=25.5km az=66.0.

ISC	**II**	**16 05 04 28.7–.30**	**4.11N–.04**	**126.78E–.06**	**36**	**4.9b,4.2s**	**222**	**3-166**
BJI	II	16 05 04 21.4	3.48N	126.98E	30	5.2b,4.8b		¶11678029
IDC	II	16 05 04 22.9–.43	4.08N	126.71E	0	4.7,4.7		
ISCJB	II	16 05 04 27.1–.20	4.14N–.02	126.85E–.04	36	4.8b,4.1s		
NEIC	II	16 05 04 28.6–.20	4.08N	126.75E	35	4.9b,4.1s		
DJA	II	16 05 04 35	3.91N	126.93E	88	4.8b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=9.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.2km az=164.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.7km az=66.0.
IDC II 16 05 28 01.0–1.5 3.72N 127.00E 0 3.9,3.7
¶15956250

IDC Error ellipse: s-maj=211.5km s-min=17.3km az=68.0.
IDC II 16 05 30 42.6–2.1 3.63N 126.59E 0 3.6,3.5
¶15956251

IDC Error ellipse: s-maj=209.3km s-min=23.8km az=65.0.
IDC II 16 05 35 51.7–2.0 3.33N 126.58E 0 3.6,3.4
¶15956252

IDC Error ellipse: s-maj=189.0km s-min=25.4km az=64.0.
IDC II 16 06 55 46.4–1.3 3.58N 126.87E 0 4.1,4.0b
¶15956253

IDC Error ellipse: s-maj=162.5km s-min=19.6km az=69.0.
IDC II 16 07 00 45.2–2.1 4.18N 126.83E 0 3.7,3.5b
¶15956254

IDC Error ellipse: s-maj=153.1km s-min=27.4km az=66.0.
IDC II 16 07 41 53.5–2.2 4.03N 126.73E 0 3.7,3.5
¶15956256

IDC Error ellipse: s-maj=207.5km s-min=27.0km az=64.0.

ISC	**II**	**16 08 25 07.2–.52**	**3.84N–.06**	**126.79E–.09**	**36**	**4.2b,3.4s**	**49**	**3-102**
IDC	II	16 08 25 01.0–.54	3.63N	126.66E	0	4.3,4.3		¶12700885
ISCJB	II	16 08 25 05.1–.38	3.77N–.04	126.82E–.08	36	4.2b,3.3s		
DJA	II	16 08 25 05.6–.60	4N–5.0	127E–6.0	10	5.1b,4.8		
NEIC	II	16 08 25 06.5–.34	3.65N	126.59E	35	4.2b,4.8		

ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=9.1km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.2km az=176.3.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=6.7km az=71.0.
IDC II 16 08 37 16.9–1.9 3.98N 126.85E 0 3.9,3.7
¶15956259

IDC Error ellipse: s-maj=145.2km s-min=24.5km az=65.0.
IDC II 16 08 39 57.6–1.1 3.18N 126.14E 0 3.9,3.8
¶15956260

IDC Error ellipse: s-maj=134.7km s-min=17.8km az=67.0.

ISC	**II**	**16 09 07 43.4–.81**	**3.9N–.10**	**126.6E–.20**	**45**	**3.9b**	**25**	**16-99**
IDC	II	16 09 07 37.1–.83	3.92N	126.66E	0	4.1,3.9		¶12700888
ISCJB	II	16 09 07 41.3–.64	3.87N–.09	126.5E–.10	45	3.9b,3.9		
NEIC	II	16 09 07 42.2–.45	3.86N	126.57E	35	4.1b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=55.6km s-min=14.9km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=10.6km az=154.5.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.7km az=65.0.
IDC II 16 10 30 29.4–1.9 3.99N 127.06E 0 3.6,3.5
¶15956262

IDC Error ellipse: s-maj=151.6km s-min=24.0km az=65.0.
IDC II 16 10 52 24.8–2.0 4.07N 127.12E 0 3.8,3.6
¶15956263

IDC Error ellipse: s-maj=144.8km s-min=25.9km az=65.0.
IDC II 16 11 39 24.5–1.8 3.04N 126.03E 0 3.7,3.5
¶15956267

IDC Error ellipse: s-maj=169.9km s-min=24.1km az=64.0.
IDC II 16 11 43 00.5–1.8 2.97N 125.80E 0 4.0,3.8
¶15956268

IDC Error ellipse: s-maj=176.7km s-min=22.6km az=64.0.
IDC II 16 13 06 04.5–1.3 3.68N 127.09E 0 3.8,3.6
¶15956269

IDC Error ellipse: s-maj=125.7km s-min=19.4km az=69.0.

ISC	**II**	**16 13 20 27.5–1.2**	**3.9N–.30**	**126.9E–.50**	**36**	**3.8b**	**7**	**4-74**
IDC	II	16 13 20 22.2–1.1	3.95N	126.94E	0	3.8,3.7		¶15956270
ISCJB	II	16 13 20 25.7–1.0	3.9N–.20	126.9E–.40	36	3.6b,3.7		
MAN	II	16 13 20 57	5.67N	125.84E	81	4.4b,3.3L		

ISC Event type ke.
IDC Error ellipse: s-maj=71.5km s-min=17.0km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=66.5km s-min=13.9km az=153.6.

ISC	**II**	**16 14 13 57.1–.31**	**3.53N–.04**	**126.92E–.06**	**48**	**4.8b,4.0s**	**207**	**3-165**
BJI	II	16 14 13 50.1	2.99N	126.98E	32	5.1b,4.8b		¶11678046
IDC	II	16 14 13 50.6–.41	3.49N	126.73E	0	4.6,4.6b		
ISCJB	II	16 14 13 55.5–.22	3.52N–.03	127.01E–.04	48	4.8b,4.0s		
NEIC	II	16 14 13 55.7–.22	3.46N	126.80E	35	4.9b,4.0s		
DJA	II	16 14 13 59	3.44N	127.13E	56	4.9b,4.0s		

ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=10.0km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.6km az=172.4.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.0km az=74.0.
IDC II 16 14 19 17.3–1.8 3.26N 126.78E 0 3.9,3.7
¶15956273

IDC Error ellipse: s-maj=138.4km s-min=24.0km az=65.0.

ISC	**II**	**16 14 24 25.5–.60**	**3.94N–.06**	**126.8E–.10**	**36**	**4.2b**	**30**	**3-123**
IDC	II	16 14 24 20.0–.58	3.85N	126.43E	0	4.2,4.1		¶12700906
ISCJB	II	16 14 24 23.7–.47	3.96N–.04	126.81E–.07	36	4.1b,4.1		
DJA	II	16 14 24 27.8–2.2	4N–13	127E–12	13–29	6.5b,6.3		

ISC Event type ke.
ISCJB Event type ke.
IDC II 16 14 56 37.5–2.0 4.12N 127.25E 0 3.7,3.5
¶15956279

IDC Error ellipse: s-maj=166.0km s-min=24.1km az=65.0.

ISC	**II**	**16 15 07 18.4–.62**	**3.60N–.06**	**126.9E–.10**	**53**	**4.0b**	**23**	**3-123**
IDC	II	16 15 07 10.8–.63	3.43N	126.49E	0	4.1,4.1		¶12700911
ISCJB	II	16 15 07 16.6–.45	3.65N–.05	126.92E–.10	53	4.0b,4.1		
DJA	II	16 15 07 18.4–.60	4N–5.0	127E–7.0	55–51	4.8b,4.7b		

ISC Event type ke.
ISCJB Event type ke.

ISC	**II**	**16 15 12 17.7–.63**	**4.15N–.10**	**126.9E–.20**	**36**	**4.0b**	**42**	**4-123**
IDC	II	16 15 12 12.5–.65	4.13N	126.73E	0	4.0,4.0		¶12700913
ISCJB	II	16 15 12 15.8–.47	4.17N–.08	126.8E–.20	36	4.0b,4.0		
NEIC	II	16 15 12 17.6–.35	4.14N	126.81E	35	4.7b,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=13.4km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=25.2km s-min=8.9km az=163.8.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=6.9km az=74.0.
IDC II 16 15 27 14.1–1.1 3.94N 126.72E 0 3.8,3.7
¶15956282

IDC Error ellipse: s-maj=66.2km s-min=15.2km az=67.0.
IDC II 16 15 47 52.5–2.0 4.12N 127.23E 0 3.6,3.5
¶15956285

IDC Error ellipse: s-maj=152.4km s-min=24.9km az=65.0.
IDC II 16 16 07 58.6–2.3 3.76N 126.19E 0 3.5,3.3
¶15956286

IDC Error ellipse: s-maj=200.3km s-min=26.9km az=65.0.
IDC II 16 16 14 49.9–2.0 3.09N 126.02E 0 3.9,3.7b
¶15956287

IDC Error ellipse: s-maj=185.8km s-min=24.4km az=65.0.
IDC II 16 16 15 38.1–2.2 3.23N 126.02E 0 3.7,3.5b
¶15956290

IDC Error ellipse: s-maj=200.5km s-min=25.9km az=65.0.
IDC II 16 16 49 43.7–2.2 4.04N 126.95E 0 3.7,3.5
¶15956292

IDC Error ellipse: s-maj=168.2km s-min=26.1km az=66.0.
IDC II 16 17 02 26.2–.88 4.04N 126.51E 0 3.9,3.8
¶15956293

IDC Error ellipse: s-maj=50.4km s-min=15.6km az=69.0.

ISC	**II**	**16 17 13 13.6–.46**	**4.17N–.05**	**126.84E–.08**	**36**	**4.4b,3.5s**	**51**	**3-123**
BJI	II	16 17 13 10.7	4.20N	126.86E	25	4.9b,4.6b		¶12700927
ISCJB	II	16 17 13 11.7–.34	4.23N–.03	126.89E–.05	36	4.4b,3.5s		
MAN	II	16 17 13 13	4.08N	126.40E	1	4.9b,3.9s		
IDC	II	16 17 13 15.4–2.6	4.08N	126.71E	50–23	4.8L,4.2		
DJA	II	16 17 13 19	4.05N	126.87E	56	4.6b,4.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.5km az=169.0.
IDC Error ellipse: s-maj=30.2km s-min=10.4km az=74.0.
IDC II 16 17 34 04.6–1.1 3.24N 127.13E 0 3.8,3.7
¶15956295

IDC Error ellipse: s-maj=70.6km s-min=13.4km az=69.0.
IDC II 16 18 49 28.4–6.6 3.17N 127.31E 0 3.9,3.7b
¶15956297

IDC Error ellipse: s-maj=109.8km s-min=89.8km az=127.0.
IDC II 16 19 00 10.4–1.9 3.20N 125.36E 0 3.7,3.5
¶15956298

IDC Error ellipse: s-maj=182.9km s-min=26.3km az=64.0.
ISC II 16 19 18 33.7–.89 3.9N–.10 126.9E–.30 36 3.8b 11 4-85
IDC II 16 19 18 28.3–.85 3.87N 126.78E 0 4.1,4.0 ¶15956299
ISCJB II 16 19 18 31.9–.74 3.8N–.10 126.8E–.20 36 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC II 16 20 10 59.3–2.1 3.76N 126.28E 0 3.6,3.4
¶15956304

IDC Error ellipse: s-maj=209.4km s-min=27.1km az=64.0.
IDC II 16 20 35 22.2–1.2 3.59N 126.52E 0 3.9,3.7
¶15956305

IDC Error ellipse: s-maj=89.1km s-min=17.8km az=71.0.
IDC II 16 21 12 19.3–1.9 3.82N 126.53E 0 3.8,3.6
¶15956307

IDC Error ellipse: s-maj=163.6km s-min=23.6km az=65.0.
IDC II 16 21 17 19.5–2.1 3.81N 126.63E 0 3.5,3.4b
¶15956308

IDC Error ellipse: s-maj=185.1km s-min=28.0km az=64.0.
IDC II 16 22 07 33.2–1.2 3.28N 126.17E 0 3.8,3.7
¶15956312

IDC Error ellipse: s-maj=145.1km s-min=19.1km az=68.0.
ISC II 16 22 22 00.2–.69 3.86N–.08 126.8E–.10 45 3.9b 42 3-123
IDC II 16 22 21 53.7–.95 3.77N 126.71E 0 4.0,3.9 ¶12700952
ISCJB II 16 22 21 57.8–.53 3.92N–.05 126.9E–.10 45 3.9b,2.8s
NEIC II 16 22 21 59.0–.52 3.69N 126.56E 35 4.1b,2.8s
DJA II 16 22 22 04.5–5.7 3N–15 127E–7.0 21–83 5.0b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC II 16 22 37 41.7–1.3 3.94N 126.84E 0 3.7,3.5
¶12700954

IDC Error ellipse: s-maj=148.2km s-min=21.3km az=67.0.
ISC II 16 22 38 20.2–.99 3.5N–.20 126.5E–.50 53 4.0b 23 21-123
IDC II 16 22 38 13.2–1.2 3.46N 126.39E 0 4.0,4.0 ¶15956313
NEIC II 16 22 38 18.2–.56 3.44N 126.40E 35 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=157.8km s-min=16.0km az=67.0.
NEIC Event type se. Error ellipse: s-maj=50.3km s-min=7.2km az=69.0.
IDC II 16 22 55 33.8–1.8 3.90N 126.55E 0 3.8,3.6
¶15956315

IDC Error ellipse: s-maj=146.4km s-min=23.0km az=65.0.
ISC II 16 23 02 52.2–.39 3.69N–.05 126.98E–.07 48 4.5b,4.0s 98 3-123
IDC II 16 23 02 45.5–.51 3.59N 126.83E 0 4.5,4.4 ¶12700956
BJI II 16 23 02 47.0 3.60N 127.00E 20 5.0b,4.5b
ISCJB II 16 23 02 50.1–.29 3.76N–.03 127.05E–.06 48 4.5b,4.0s
NEIC II 16 23 02 50.6–.33 3.65N 126.96E 35 4.6b,4.0s
DJA II 16 23 02 59 3.21N 127.01E 62 4.8b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=9.3km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.1km az=166.1.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=6.6km az=73.0.
IDC II 16 23 09 20.9–1.4 3.88N 127.58E 0 3.9,3.8
¶15956316

IDC Error ellipse: s-maj=97.8km s-min=22.9km az=76.0.
IDC II 16 23 31 57.4–1.9 3.72N 126.76E 0 4.0,3.8
¶15956318

IDC Error ellipse: s-maj=224.0km s-min=22.1km az=64.0.
IDC II 17 01 13 25.5–1.5 3.61N 126.38E 0 3.5,3.4
¶15956383

IDC Error ellipse: s-maj=142.3km s-min=25.6km az=67.0.
IDC II 17 03 19 46.0–1.3 3.96N 126.38E 0 3.6,3.5
¶15956387

IDC Error ellipse: s-maj=150.2km s-min=20.7km az=67.0.
IDC II 17 04 24 32.4–2.1 3.02N 125.85E 0 3.6,3.4
¶15956388

IDC Error ellipse: s-maj=188.0km s-min=25.7km az=65.0.
IDC II 17 04 28 02.7–1.4 3.95N 126.84E 0 3.7,3.5
¶15956389

IDC Error ellipse: s-maj=144.2km s-min=22.5km az=68.0.
ISC II 17 05 09 50.5–1.7 3.83N–.07 126.8E–.10 70–15 4.3b 57 3-123
IDC II 17 05 09 41.5–.67 3.78N 126.63E 0 4.3,4.2 ¶12700981
DJA II 17 05 09 45.9–2.3 4N–15 127E–18 51–57 5.2b,4.7
NEIC II 17 05 09 46.7–.31 3.75N 126.67E 35 4.5b,4.7
ISCJB II 17 05 09 49.9–1.3 3.79N–.06 126.79E–.10 83–11 4.1b,4.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 17 06 29 07.1–2.1 3.67N 126.45E 0 3.9,3.7b
¶15956392

IDC Error ellipse: s-maj=194.3km s-min=28.8km az=64.0.
ISC II 17 08 23 53.3–.53 3.60N–.04 126.62E–.06 58–4 4.7b,3.8s 174 3-166
IDC II 17 08 23 45.1–.38 3.62N 126.46E 0 4.8,4.7 ¶11678714
BJI II 17 08 23 48.4 3.41N 126.76E 50 5.0b,4.8b
NEIC II 17 08 23 50.5–.21 3.62N 126.57E 35 4.8b,4.8b
ISCJB II 17 08 23 52.9–.68 3.64N–.03 126.79E–.05 78–6 4.7b,4.8b
DJA II 17 08 23 54 3.67N 127.00E 71 4.9b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=8.9km az=73.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.7km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.6km az=158.5.
IDC II 17 08 39 54.5–2.3 3.80N 125.74E 0 3.6,3.4
¶15956395

IDC Error ellipse: s-maj=209.0km s-min=28.5km az=65.0.
IDC II 17 09 19 18.0–2.5 3.42N 126.88E 0 3.4,3.2
¶15956398

IDC Error ellipse: s-maj=200.1km s-min=29.6km az=66.0.
IDC II 17 10 05 08.1–2.1 4.17N 127.27E 0 3.7,3.5
¶15956400

IDC Error ellipse: s-maj=153.2km s-min=26.9km az=65.0.
IDC II 17 12 57 59.8–2.4 3.81N 126.40E 0 3.4,3.3
¶15956410

IDC Error ellipse: s-maj=202.7km s-min=29.4km az=65.0.
IDC II 17 13 19 39.6–1.5 3.09N 126.23E 0 4.2,4.0b
¶15956412

IDC Error ellipse: s-maj=160.3km s-min=18.3km az=65.0.
IDC II 17 13 40 00.1–.61 3.97N 126.90E 0 4.3,4.2
MAN II 17 13 41 03 7.56N 124.55E 17 3.9b,2.7L ¶15956413
IDC Error ellipse: s-maj=37.6km s-min=12.6km az=72.0.
IDC II 17 13 57 29.4–1.6 3.85N 127.23E 0 3.6,3.5
¶15956414

IDC Error ellipse: s-maj=102.6km s-min=20.8km az=68.0.
IDC II 17 14 09 35.5–1.1 4.02N 127.24E 0 4.0,3.9
¶15956416

IDC Error ellipse: s-maj=70.4km s-min=15.6km az=67.0.
IDC II 17 14 10 36.7–1.7 3.86N 126.89E 0 4.0,3.9
¶15956417

IDC Error ellipse: s-maj=97.6km s-min=23.4km az=68.0.
IDC II 17 14 24 28.6–2.1 3.50N 126.33E 0 3.6,3.4
¶15956420

IDC Error ellipse: s-maj=186.1km s-min=25.9km az=65.0.
IDC II 17 14 54 37.1–1.3 3.87N 127.34E 0 3.7,3.6
¶15956421

IDC Error ellipse: s-maj=145.4km s-min=17.5km az=68.0.
ISC II 17 15 16 59.0–.78 3.87N–.04 126.59E–.07 33–3 4.7b,3.8s 153 3-157
IDC II 17 15 16 53.9–.45 3.90N 126.59E 0 4.5,4.5 ¶11678720
ISCJB II 17 15 16 56.9–.23 3.97N–.03 126.89E–.04 33 4.6b,3.9s
BJI II 17 15 16 56.6 3.59N 126.65E 45 5.0b,4.7b
DJA II 17 15 16 57 4.21N 127.05E 10 4.7b,4.7b
NEIC II 17 15 16 59.3–.26 3.91N 126.57E 35 4.6b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=25.3km s-min=8.8km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.3km az=161.4.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=5.4km az=72.0. Felt [II] in the Kepulauan Talaud.
IDC II 17 15 37 50.2–2.0 4.22N 127.19E 0 3.6,3.4
¶15956423

IDC Error ellipse: s-maj=164.7km s-min=24.1km az=65.0.
ISC II 17 15 52 56.5–.63 3.94N–.05 126.90E–.08 36 4.0b,3.2s 34 3-123
IDC II 17 15 52 50.5–.68 3.91N 126.84E 0 4.2,4.1 ¶12701025
ISCJB II 17 15 52 54.4–.46 3.97N–.03 126.90E–.05 36 4.1b,3.3s
DJA II 17 15 53 00 3.59N 126.81E 10 4.5,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=39.0km s-min=12.5km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.6km az=172.2.
IDC II 17 16 02 17.7–1.8 4.33N 126.98E 0 3.6,3.5
¶15956424

IDC Error ellipse: s-maj=173.1km s-min=20.9km az=66.0.
IDC II 17 16 27 53.0–2.2 3.22N 126.85E 0 3.6,3.5
¶15956426

IDC Error ellipse: s-maj=254.9km s-min=20.6km az=66.0.
IDC II 17 17 34 42.7–1.8 4.80N 126.48E 0 3.5,3.4
¶15956431

IDC Error ellipse: s-maj=172.2km s-min=22.3km az=65.0.
IDC II 17 17 37 37.2–1.9 3.76N 126.90E 0 3.8,3.6
¶15956432

IDC Error ellipse: s-maj=151.7km s-min=24.1km az=65.0.
ISC II 17 17 47 41.7–.36 3.85N–.05 126.77E–.08 36 4.5b,3.8s 112 3-161
IDC II 17 17 47 36.5–.50 3.87N 126.65E 0 4.3,4.3 ¶12083283
BJI II 17 17 47 37.9 3.90N 127.00E 33 4.9b,4.5s
DJA II 17 17 47 37 4.23N 127.33E 10 4.9,4.5s
ISCJB II 17 17 47 39.5–.25 3.90N–.04 126.73E–.06 36 4.5b,3.8s
NEIC II 17 17 47 40.5–3.3 3.82N 126.57E 28–23 4.6b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=11.7km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.1km az=153.8.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=5.7km az=73.0.
IDC II 17 17 50 28.9–1.5 3.90N 126.87E 0 4.1,3.9
¶15956433

IDC Error ellipse: s-maj=139.1km s-min=19.3km az=66.0.
ISC II 17 17 59 54.3–.88 3.90N–.09 127.1E–.10 36 3.9b 18 3-62
IDC II 17 17 59 49.1–1.1 3.82N 127.00E 0 4.1,3.9 ¶12701038
ISCJB II 17 17 59 52.0–.78 3.96N–.06 127.08E–.10 36 3.9b,3.9
DJA II 17 18 00 07.2–.50 3N–5.0 127E–5.0 57–21 4.7b,4.3b
ISC Event type ke.
ISCJB Event type ke.
IDC II 17 18 16 04.9–1.5 3.72N 126.94E 0 3.8,3.7
¶15956436

IDC Error ellipse: s-maj=98.9km s-min=20.5km az=68.0.
IDC II 17 19 24 50.4–1.6 3.14N 126.25E 0 4.0,3.9
¶15956438

IDC Error ellipse: s-maj=192.9km s-min=18.4km az=65.0.
IDC II 17 19 33 48.3–1.8 3.99N 127.01E 0 3.9,3.7
¶15956439

IDC Error ellipse: s-maj=141.6km s-min=24.1km az=65.0.
IDC II 17 19 48 49.6–2.3 3.62N 127.14E 0 3.8,3.6
¶15956440

IDC Error ellipse: s-maj=222.3km s-min=22.5km az=65.0.
IDC II 17 21 03 07.3–2.0 3.98N 126.67E 0 3.8,3.7
¶15956442

IDC Error ellipse: s-maj=185.0km s-min=23.4km az=65.0.
IDC II 17 21 29 28.9–1.6 3.65N 126.59E 0 4.0,3.9
¶15956444

IDC Error ellipse: s-maj=102.8km s-min=22.1km az=68.0.
IDC II 17 22 09 02.4–1.6 3.97N 126.88E 0 4.0,3.8b
¶15956446

IDC Error ellipse: s-maj=94.0km s-min=23.0km az=68.0.
IDC II 17 22 18 51.8–1.9 4.12N 126.43E 0 3.9,3.8
¶15956447

IDC Error ellipse: s-maj=106.5km s-min=25.9km az=68.0.
IDC II 17 23 04 23.5–2.0 3.83N 126.90E 0 3.8s,3.8
¶15956449

IDC Error ellipse: s-maj=166.7km s-min=25.8km az=65.0.
ISC II 17 23 32 36.9–.48 3.69N–.06 126.7E–.10 53 4.3b,3.6s 70 3-123
IDC II 17 23 32 29.8–.62 3.65N 126.57E 0 4.3,4.2 ¶12701065
NEIC II 17 23 32 33.9–2.9 3.73N 126.72E 30–21 4.4b,4.2
DJA II 17 23 32 33 4.02N 126.90E 10 4.8,4.2
ISCJB II 17 23 32 34.8–.32 3.75N–.04 126.81E–.07 53 4.3b,3.7s
MAN II 17 23 33 19 6.48N 125.33E 32 4.5b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=12.9km az=73.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=5.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=4.5km az=161.8.
IDC II 18 01 33 20.9–1.4 3.89N 126.35E 0 3.9,3.8
¶15956530

IDC Error ellipse: s-maj=150.4km s-min=20.1km az=64.0.
ISC II 18 02 50 38.3–.47 3.65N–.04 126.83E–.07 34–1 4.6b,4.0s 173 3-150
IDC II 18 02 50 33.1–.44 3.66N 126.64E 0 4.6,4.6 ¶11682575
BJI II 18 02 50 34.0 3.23N 126.92E 41 5.0b,4.8b
DJA II 18 02 50 36 3.96N 127.06E 10 4.8b,4.8b
ISCJB II 18 02 50 36.6–.27 3.74N–.03 126.88E–.05 33 4.6b,4.0s
NEIC II 18 02 50 38.1–.30 3.69N 126.81E 35 4.8b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=9.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.4km az=172.2.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.1km az=78.0.
ISC II 18 03 36 26.6–.58 4.0N–.10 127.0E–.20 36 4.4b 39 3-129
IDC II 18 03 36 21.6–.86 3.72N 126.41E 0 4.3,4.2 ¶12701098
ISCJB II 18 03 36 24.6–.46 4.0N–.10 126.9E–.20 36 4.9s,4.3b
NEIC II 18 03 36 26.4–.34 3.95N 126.93E 35 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=103.2km s-min=15.3km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=33.7km s-min=8.2km az=155.5.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=7.0km az=66.0.
ISC II 18 03 52 22.8–.45 3.79N–.08 126.6E–.10 45 4.4b 61 3-161
IDC II 18 03 52 16.3–.57 3.78N 126.53E 0 4.3,4.2 ¶12701100
DJA II 18 03 52 19 4.31N 127.56E 10 4.7b,4.2
ISCJB II 18 03 52 20.6–.34 3.73N–.06 126.5E–.10 45 4.7s,4.3b
NEIC II 18 03 52 21.4–.21 3.75N 126.53E 35 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=13.5km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=7.1km az=163.4.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.2km az=74.0.
IDC II 18 04 08 50.5–1.8 4.13N 127.03E 0 4.0,3.8
¶15956538

IDC Error ellipse: s-maj=141.0km s-min=23.8km az=65.0.
IDC II 18 04 44 36.5–1.9 3.72N 126.66E 0 3.9,3.8
¶15956539

IDC Error ellipse: s-maj=146.9km s-min=25.9km az=65.0.
ISC II 18 05 07 20.6–.77 4.01N–.04 126.36E–.07 95–7 4.4b 86 2-133
NEIC II 18 05 07 14.1–.35 4.00N 126.29E 35 4.7b ¶12701105
IDC II 18 05 07 18.2–2.9 3.96N 126.15E 75–27 4.2,4.2
ISCJB II 18 05 07 20.5–.43 3.97N–.03 126.43E–.06 112–5 4.3b,4.2
DJA II 18 05 07 29 3.37N 126.46E 107 4.8,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.4km az=86.0.
IDC Error ellipse: s-maj=26.2km s-min=10.5km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.4km az=168.9.
IDC II 18 05 25 43.6–1.8 3.21N 127.14E 0 3.9,3.8
¶15956541

IDC Error ellipse: s-maj=164.2km s-min=21.5km az=66.0.
IDC II 18 06 54 44.0–2.2 3.17N 125.87E 0 3.5,3.3
¶15956542

IDC Error ellipse: s-maj=200.2km s-min=27.0km az=65.0.
ISC II 18 07 04 12.1–.65 3.74N–.08 126.5E–.10 53 4.0b,3.5s 29 3-131
IDC II 18 07 04 04.9–.79 3.76N 126.69E 0 4.2,4.0b ¶12701110
ISCJB II 18 07 04 10.1–.49 3.68N–.07 126.4E–.10 53 4.0b,3.5s
NEIC II 18 07 04 10.2–.38 3.72N 126.56E 35 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=59.4km s-min=14.8km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=8.3km az=162.1.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.8km az=73.0.
IDC II 18 08 26 04.1–2.1 3.80N 126.81E 0 3.6,3.4
¶15956548

IDC Error ellipse: s-maj=157.8km s-min=27.9km az=66.0.
ISC II 18 09 19 11.5–.48 4.06N–.05 126.90E–.08 36 4.2b 38 3-123
IDC II 18 09 19 06.0–.57 3.99N 126.68E 0 4.3,4.2 ¶12701120
ISCJB II 18 09 19 09.6–.38 4.08N–.04 126.97E–.06 36 4.2b,4.2
DJA II 18 09 19 17.8–.90 4N–13 127E–6.0 128–27 4.8b,4.5b
ISC Event type ke.
ISCJB Event type ke.
ISC II 18 09 34 14.4–.68 3.0N–.10 126.9E–.30 44 4.0b 20 4-123
IDC II 18 09 34 08.2–.59 3.01N 126.78E 0 4.0,4.0 ¶15956549
ISCJB II 18 09 34 12.2–.55 3.00N–.09 126.8E–.20 44 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC II 18 10 08 17.6–1.9 3.54N 126.69E 0 3.7s,3.7
¶15956550

IDC Error ellipse: s-maj=156.4km s-min=24.1km az=65.0.
ISC II 18 10 26 05.2–.32 3.65N–.03 126.64E–.04 40–2 5.1b,4.3s 434 1-169
IDC II 18 10 25 59.9–.36 3.67N 126.48E 0 5.0,5.0 ¶13434817
BJI II 18 10 26 01.5 3.46N 126.69E 36 5.2b,5.0b
MOS II 18 10 26 03.5–.89 3.67N 126.53E 38 5.4b,4.3s
TEH II 18 10 26 04.0 3.78N 127.05E 35 5.1L,4.3s
NEIC II 18 10 26 05.0–.16 3.67N 126.55E 35 5.2b,4.3s
ISCJB II 18 10 26 06.4–.42 3.69N–.02 126.71E–.03 65–4 5.0b,4.3s
DJA II 18 10 26 09 3.70N 126.85E 57 5.1b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=9.1km az=74.0.
MOS Error ellipse: s-maj=12.1km s-min=5.7km az=112.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.7km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=165.4.
IDC II 18 10 34 00.6–1.2 3.05N 125.26E 0 3.8,3.7
¶15956551

IDC Error ellipse: s-maj=167.7km s-min=17.5km az=65.0.
ISC II 18 11 44 13.7–.32 3.82N–.03 126.65E–.05 34–0 5.2b,4.6s 530 3-169
BJI II 18 11 44 07.9 3.31N 126.78E 36 5.1b,5.0b ¶11682856
ISCJB II 18 11 44 11.9–.16 3.90N–.02 126.74E–.03 33 5.1b,4.6s
MOS II 18 11 44 12.3–1.1 3.87N 126.56E 33 5.3b,4.6s
IDC II 18 11 44 13.4–2.6 3.78N 126.64E 30–17 4.7,4.7
NEIC II 18 11 44 14.0–.14 3.84N 126.64E 35 5.2b,4.7
TEH II 18 11 44 14.0 3.90N 126.77E 35 5.1L,4.7
DJA II 18 11 44 19 3.81N 126.90E 70 4.9W,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.8km az=163.6.
MOS Error ellipse: s-maj=11.7km s-min=5.5km az=115.0.
IDC Error ellipse: s-maj=17.9km s-min=8.8km az=78.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=75.0.
IDC II 18 12 20 08.5–1.7 3.76N 126.83E 0 4.0,3.8b
¶15956557

IDC Error ellipse: s-maj=102.3km s-min=23.6km az=67.0.
ISC II 18 13 37 21.7–.68 3.64N–.09 127.0E–.10 48 4.2b,3.2s 33 3-91
IDC II 18 13 37 15.2–.74 3.63N 126.99E 0 4.1,4.0 ¶12701137
ISCJB II 18 13 37 19.6–.48 3.63N–.07 127.0E–.10 48 4.2b,3.3s
NEIC II 18 13 37 20.0–.42 3.62N 127.07E 35 4.6b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=14.2km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=7.7km az=160.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=7.4km az=73.0.
ISC II 18 14 20 46.0–1.1 4.2N–.10 126.7E–.10 45 4.1b 17 3-60
IDC II 18 14 20 39.0–1.4 4.26N 126.78E 0 4.2,4.1b ¶12701139
DJA II 18 14 20 41 4.52N 126.89E 10 4.5b,4.1b
ISCJB II 18 14 20 44.0–.66 4.20N–.06 126.73E–.08 45 4.2b,3.2s
ISC Event type ke.
ISCJB Event type ke.
IDC II 18 14 44 04.4–2.1 4.00N 126.04E 0 3.6,3.4
¶15956563

IDC Error ellipse: s-maj=192.5km s-min=26.1km az=64.0.
IDC II 18 15 02 10.3–1.6 3.94N 126.11E 0 3.6,3.5
¶15956565

IDC Error ellipse: s-maj=171.0km s-min=21.9km az=66.0.
IDC II 18 15 11 13.5–1.9 3.71N 126.87E 0 3.8,3.6b
¶15956566

IDC Error ellipse: s-maj=154.7km s-min=24.1km az=65.0.
IDC II 18 15 15 17.9–1.8 3.59N 126.81E 0 3.8,3.7
¶15956568

IDC Error ellipse: s-maj=147.8km s-min=23.8km az=65.0.
ISC II 18 16 35 45.7–.83 3.9N–.10 126.9E–.20 36 4.3b 21 4-85
IDC II 18 16 35 40.6–.98 3.84N 126.91E 0 4.0,3.8 ¶12701151
ISCJB II 18 16 35 44.0–.69 3.8N–.10 126.9E–.20 36 4.1b,3.8
NEIC II 18 16 35 45.4–.57 3.86N 126.89E 35 4.6b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=48.8km s-min=17.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=37.8km s-min=9.4km az=155.0.
NEIC Event type se. Error ellipse: s-maj=32.8km s-min=8.8km az=67.0.
IDC II 18 17 02 59.5–.94 3.95N 126.48E 0 3.9,3.7
¶12701153

IDC Error ellipse: s-maj=51.6km s-min=16.3km az=68.0.
ISC II 18 17 03 58.1–3.1 3.58N–.08 126.5E–.20 50–27 4.3b 58 4-149
IDC II 18 17 03 51.0–.51 3.53N 126.43E 0 4.3,4.2 ¶15956572
ISCJB II 18 17 03 56.7–3.2 3.56N–.06 126.5E–.10 55–30 4.3b,3.2s
NEIC II 18 17 03 56.4–.35 3.58N 126.54E 35 4.5b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=10.5km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=23.9km s-min=8.6km az=167.2.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=7.1km az=76.0.
IDC II 18 17 53 46.3–1.4 4.16N 127.11E 0 4.0,3.8
¶15956577

IDC Error ellipse: s-maj=78.7km s-min=17.0km az=66.0.
ISC II 18 18 23 37.9–.53 3.74N–.08 126.4E–.20 53 4.2b,3.5s 52 3-123
IDC II 18 18 23 30.4–.58 3.70N 126.38E 0 4.1,4.1 ¶12701158
ISCJB II 18 18 23 35.8–.41 3.72N–.06 126.5E–.10 53 4.2b,3.3s
NEIC II 18 18 23 35.6–.32 3.75N 126.48E 35 4.4b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=11.2km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=7.8km az=162.4.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.6km az=73.0.
IDC II 18 18 56 38.2–2.3 3.51N 126.48E 0 3.5,3.3
¶15956578

IDC Error ellipse: s-maj=194.2km s-min=28.3km az=66.0.
IDC II 18 18 59 03.0–2.1 4.10N 126.77E 0 3.6,3.5
¶15956579

IDC Error ellipse: s-maj=164.1km s-min=27.0km az=65.0.
IDC II 18 19 06 22.6–1.9 3.10N 126.25E 0 4.0,3.8
¶15956580

IDC Error ellipse: s-maj=168.2km s-min=24.3km az=65.0.
IDC II 18 19 29 42.4–1.7 3.74N 127.20E 0 3.9,3.7b
¶15956582

IDC Error ellipse: s-maj=97.8km s-min=23.9km az=68.0.
IDC II 18 20 30 03.0–1.9 3.91N 126.64E 0 3.6,3.5
¶15956584

IDC Error ellipse: s-maj=165.7km s-min=23.6km az=65.0.
IDC II 18 23 45 57.0–2.0 3.19N 126.16E 0 3.8,3.6
¶15956600

IDC Error ellipse: s-maj=189.4km s-min=23.9km az=65.0.
IDC II 18 23 51 06.6–2.4 3.66N 126.54E 0 3.6,3.4
¶15956601

IDC Error ellipse: s-maj=201.3km s-min=27.9km az=66.0.
IDC II 19 00 23 36.2–1.9 4.03N 126.67E 0 3.9,3.7
¶15956675

IDC Error ellipse: s-maj=167.9km s-min=22.6km az=65.0.
IDC II 19 00 27 48.3–1.1 3.94N 126.83E 0 3.7,3.5
¶15956676

IDC Error ellipse: s-maj=51.5km s-min=21.8km az=62.0.
ISC II 19 01 14 42.2–.50 4.16N–.06 126.75E–.08 45 4.1b 32 3-123
IDC II 19 01 14 35.9–.61 4.02N 126.43E 0 4.3,4.3 ¶12701195
ISCJB II 19 01 14 40.5–.43 4.15N–.04 126.81E–.07 45 4.1b,4.3
DJA II 19 01 14 44.6–1.1 4N–11 127E–6.0 54–40 5.2,5.0
ISC Event type ke.
ISCJB Event type ke.
IDC II 19 02 48 07.2–1.8 4.32N 127.15E 0 4.3s,4.3
¶15956682

IDC Error ellipse: s-maj=98.7km s-min=23.3km az=69.0.
IDC II 19 03 16 23.6–1.8 3.43N 127.58E 0 3.6,3.5
¶15956684

IDC Error ellipse: s-maj=105.6km s-min=24.0km az=69.0.
IDC II 19 03 35 35.7–1.7 3.91N 126.67E 0 3.7,3.6
¶15956686

IDC Error ellipse: s-maj=174.8km s-min=22.9km az=65.0.
IDC II 19 03 53 30.6–1.4 3.80N 127.15E 0 3.8,3.7
¶15956687

IDC Error ellipse: s-maj=97.7km s-min=19.5km az=68.0.
IDC II 19 08 26 32.8–.79 4.24N 126.76E 0 3.9,3.8
¶15956695

IDC Error ellipse: s-maj=57.5km s-min=15.5km az=75.0.
IDC II 19 10 01 07.8–2.1 3.94N 126.56E 0 3.3,3.2
¶15956700

IDC Error ellipse: s-maj=210.6km s-min=23.3km az=66.0.
ISC II 19 10 43 01.6–.89 4.1N–.20 127.0E–.30 36 3.8b 10 3-85
IDC II 19 10 42 56.3–.90 4.20N 127.27E 0 3.9,3.7 ¶15956701
ISC Event type ke.
IDC Error ellipse: s-maj=68.3km s-min=16.1km az=72.0.
ISC II 19 11 29 06.7–.68 3.55N–.09 126.2E–.30 35 3.9b 31 4-120
IDC II 19 11 29 01.2–.77 3.34N 125.92E 0 4.0,3.9 ¶12701236
NEIC II 19 11 29 06.6–.51 3.48N 126.23E 35 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=72.1km s-min=15.8km az=67.0.
NEIC Event type se. Error ellipse: s-maj=40.5km s-min=10.3km az=71.0.
IDC II 19 11 50 37.2–1.4 3.52N 126.81E 0 3.8,3.6
¶15956706

IDC Error ellipse: s-maj=73.5km s-min=17.6km az=65.0.
IDC II 19 12 03 41.0–1.5 3.89N 126.33E 0 3.5,3.4
¶15956707

IDC Error ellipse: s-maj=153.5km s-min=22.8km az=68.0.
IDC II 19 12 11 52.9–1.1 3.61N 126.85E 0 3.7,3.6
¶15956709

IDC Error ellipse: s-maj=91.4km s-min=15.9km az=70.0.
IDC II 19 12 15 26.7–1.0 3.89N 127.34E 0 4.0,3.9b
¶15956710

IDC Error ellipse: s-maj=65.2km s-min=14.9km az=68.0.
IDC II 19 15 00 47.0–1.5 3.96N 126.67E 0 3.7,3.6
¶15956717

IDC Error ellipse: s-maj=102.2km s-min=19.2km az=69.0.
IDC II 19 16 49 47.0–1.6 2.54N 125.02E 0 3.6,3.5
¶15956722

IDC Error ellipse: s-maj=182.0km s-min=21.3km az=65.0.
IDC II 19 16 51 46.4–2.0 3.87N 126.33E 0 3.6,3.5
¶15956723

IDC Error ellipse: s-maj=180.4km s-min=23.9km az=65.0.
IDC II 19 19 56 13.9–1.8 3.95N 126.83E 0 3.6,3.4
¶15956729

IDC Error ellipse: s-maj=146.4km s-min=24.0km az=65.0.
IDC II 19 20 10 02.7–1.2 3.30N 125.39E 0 3.8,3.7
¶15956731

IDC Error ellipse: s-maj=213.5km s-min=18.2km az=67.0.
IDC II 19 20 17 05.1–2.2 3.02N 126.67E 0 3.2,3.1
¶15956732

IDC Error ellipse: s-maj=191.3km s-min=25.2km az=66.0.
IDC II 19 20 19 32.0–2.1 3.18N 126.94E 0 3.4,3.2
¶15956733

IDC Error ellipse: s-maj=155.7km s-min=26.6km az=66.0.
IDC II 19 21 31 27.7–1.9 3.05N 126.00E 0 3.8,3.6
¶15956734

IDC Error ellipse: s-maj=175.4km s-min=24.5km az=64.0.
IDC II 19 22 01 51.2–2.0 4.19N 126.76E 0 3.6,3.5
¶15956737

IDC Error ellipse: s-maj=172.6km s-min=27.5km az=64.0.
ISC II 19 22 21 21.4–5.3 3.8N–.10 126.8E–.20 41–49 4.2b 38 22-123
IDC II 19 22 21 15.4–.67 3.66N 126.64E 0 4.1,4.0 ¶12701287
NEIC II 19 22 21 20.1–.50 3.83N 126.95E 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=14.9km az=69.0.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=7.8km az=68.0.
IDC II 19 22 27 11.8–1.1 3.78N 126.78E 0 4.0,3.9
¶15956740

IDC Error ellipse: s-maj=82.0km s-min=17.4km az=65.0.
IDC II 19 23 50 46.4–1.5 3.68N 126.35E 0 3.4,3.3
¶15956742

IDC Error ellipse: s-maj=138.0km s-min=26.1km az=68.0.
IDC II 20 01 29 30.3–1.3 3.50N 126.25E 0 3.7,3.6
¶15956799

IDC Error ellipse: s-maj=98.0km s-min=19.3km az=70.0.
IDC II 20 02 07 37.8–1.4 3.34N 127.18E 0 3.8,3.7
¶15956801

IDC Error ellipse: s-maj=142.1km s-min=17.8km az=66.0.
IDC II 20 03 13 40.3–1.2 3.72N 127.14E 0 4.0,3.9
¶15956802

IDC Error ellipse: s-maj=87.0km s-min=17.7km az=71.0.
IDC II 20 04 31 49.5–1.3 3.68N 126.96E 0 3.9,3.8
¶15956804

IDC Error ellipse: s-maj=109.0km s-min=15.6km az=70.0.
ISC II 20 04 43 35.5–.49 3.69N–.09 126.6E–.20 53 4.4b 58 7-99
IDC II 20 04 43 28.4–.60 3.74N 126.64E 0 4.4,4.3b ¶12701312
ISCJB II 20 04 43 33.7–.32 3.68N–.06 126.6E–.10 53 4.3b,4.2s
NEIC II 20 04 43 33.5–.20 3.70N 126.60E 35 4.5b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=12.8km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=6.3km az=156.2.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=4.2km az=66.0.
ISC II 20 05 07 10.6–.73 3.7N–.10 126.8E–.20 53 4.0b 23 11-85
IDC II 20 05 07 03.5–.77 3.75N 126.76E 0 4.0,3.9 ¶12701313
ISCJB II 20 05 07 08.6–.54 3.69N–.09 126.7E–.20 53 3.9b,3.9
NEIC II 20 05 07 08.6–.45 3.69N 126.72E 35 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=14.3km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=30.4km s-min=9.7km az=163.4.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=8.0km az=72.0.
IDC II 20 11 24 00.4–.88 3.44N 127.07E 0 3.9,3.7
¶15956812

IDC Error ellipse: s-maj=70.2km s-min=18.1km az=75.0.
IDC II 20 12 02 21.7–.85 3.35N 126.77E 0 3.8,3.7
¶15956815

IDC Error ellipse: s-maj=66.2km s-min=17.5km az=75.0.
IDC II 20 15 45 12.6–2.0 4.15N 126.77E 0 3.6,3.4
¶15956822

IDC Error ellipse: s-maj=184.3km s-min=21.5km az=66.0.
IDC II 20 16 16 18.1–1.6 3.24N 126.45E 0 3.8,3.7
¶15956823

IDC Error ellipse: s-maj=107.0km s-min=21.3km az=67.0.
ISC II 20 17 43 43.0–.60 3.4N–.10 126.8E–.20 48 4.1b 35 4-74
IDC II 20 17 43 36.3–.74 3.43N 126.93E 0 4.1s,4.1 **¶12701348**
ISCJB II 20 17 43 41.0–.41 3.39N–.07 126.8E–.10 48 4.1b,4.0s
NEIC II 20 17 43 41.3–.40 3.44N 126.81E 35 4.3b,4.0s
DJA II 20 17 43 43 1.84N 127.72E 394 3.9b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=13.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=7.7km az=156.5.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=7.2km az=67.0.
ISC II 20 18 08 45.8–.68 3.47N–.08 127.10E–.10 48 3.8b 19 3-61
IDC II 20 18 08 39.0–.71 3.41N 126.91E 0 4.1,3.9 **¶12701350**
ISCJB II 20 18 08 43.6–.61 3.53N–.06 127.17E–.08 48 3.9b,3.9
DJA II 20 18 08 48.7–2.2 3N–25 127E–8.0 88–130 4.6b,4.3b
ISC Event type ke.
ISCJB Event type ke.
IDC II 20 18 57 43.7–1.9 2.75N 125.54E 0 3.6,3.4b
¶15956830

IDC Error ellipse: s-maj=178.7km s-min=24.7km az=64.0.
IDC II 20 19 36 17.7–1.2 3.86N 126.74E 0 3.7,3.6
¶15956832

IDC Error ellipse: s-maj=68.9km s-min=16.8km az=66.0.
IDC II 20 19 38 42.0–2.0 2.69N 125.62E 0 3.3,3.2
¶15956833

IDC Error ellipse: s-maj=192.5km s-min=25.0km az=65.0.
ISC II 20 20 10 58.9–.79 4.0N–.10 126.7E–.20 45 4.0b 16 3-123
IDC II 20 20 10 52.2–.74 4.11N 126.71E 0 4.1,3.9 **¶15956836**
ISCJB II 20 20 10 57.1–.65 4.0N–.10 126.7E–.20 45 3.9b,3.7s
ISC Event type ke.
ISCJB Event type ke.
IDC II 20 20 39 54.0–1.3 3.46N 126.75E 0 3.8,3.7
¶15956837

IDC Error ellipse: s-maj=79.3km s-min=16.5km az=66.0.
ISC II 20 20 49 35.8–2.0 3.98N–.04 126.85E–.07 30–14 4.3b 64 3-92
NEIC II 20 20 49 36.0–.47 3.92N 126.97E 35 4.4b **¶12083334**
IDC II 20 20 49 39.1–6.9 3.72N 126.50E 54–66 4.0,3.9b
DJA II 20 20 49 44 3.47N 126.74E 56 4.5b,3.9b
MAN II 20 20 49 57 5.09N 126.11E 83 4.7b,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.5km az=64.0.
IDC Error ellipse: s-maj=46.4km s-min=14.4km az=69.0.
IDC II 21 03 27 29.2–.81 3.86N 126.67E 0 4.1,3.9b
¶15956853

IDC Error ellipse: s-maj=70.7km s-min=16.0km az=68.0.
IDC II 21 03 38 06.5–2.4 3.92N 126.32E 0 3.5,3.3
¶15956854

IDC Error ellipse: s-maj=219.5km s-min=25.7km az=65.0.
IDC II 21 03 58 16.4–1.3 3.87N 126.77E 0 4.1,3.9b
¶15956855

IDC Error ellipse: s-maj=92.2km s-min=17.6km az=68.0.
IDC II 21 04 01 49.2–2.5 3.81N 126.58E 0 3.8s,3.8
¶15956856

IDC Error ellipse: s-maj=214.2km s-min=27.1km az=66.0.
IDC II 21 04 33 39.6–.84 3.92N 126.58E 0 3.8,3.7
¶15956859

IDC Error ellipse: s-maj=63.3km s-min=16.2km az=72.0.
IDC II 21 06 18 30.9–1.7 4.05N 127.13E 0 3.6,3.4
¶15956862

IDC Error ellipse: s-maj=107.8km s-min=21.1km az=70.0.
IDC II 21 08 07 07.5–2.0 3.90N 126.50E 0 3.6,3.5
¶15956864

IDC Error ellipse: s-maj=189.5km s-min=24.3km az=65.0.
IDC II 21 08 29 14.6–1.9 4.02N 127.00E 0 3.7,3.6
¶15956865

IDC Error ellipse: s-maj=147.1km s-min=23.7km az=65.0.
IDC II 21 08 56 48.7–1.4 3.80N 126.41E 0 3.6,3.5
¶15956866

IDC Error ellipse: s-maj=154.7km s-min=23.8km az=72.0.
IDC II 21 11 08 52.4–6.6 3.15N 127.13E 0 3.8,3.6
¶15956870

IDC Error ellipse: s-maj=138.0km s-min=104.0km az=76.0.
IDC II 21 11 30 15.7–1.2 3.02N 125.21E 0 3.6,3.4
¶15956872

IDC Error ellipse: s-maj=145.5km s-min=20.5km az=68.0.
IDC II 21 13 01 27.4–2.2 4.17N 126.66E 0 3.7,3.4
¶15956875

IDC Error ellipse: s-maj=156.0km s-min=28.0km az=66.0.
IDC II 21 13 12 54.3–1.4 3.85N 126.42E 0 3.5,3.4
¶15956876

IDC Error ellipse: s-maj=129.3km s-min=21.5km az=69.0.
ISC II 21 15 07 42.0–.70 3.62N–.03 126.71E–.07 17–4 4.6b,3.9s 123 3-123
MOS II 21 15 07 42.4–1.0 3.60N 126.63E 33 5.0b,3.9s **¶11713363**
ISCJB II 21 15 07 42.9–.28 3.72N–.03 126.83E–.06 33 4.5b,3.8s
BJI II 21 15 07 43.0 3.80N 126.90E 25 5.3b,4.6b
IDC II 21 15 07 43.4–4.2 3.58N 126.62E 25–27 4.2,4.2
NEIC II 21 15 07 44.6–.39 3.59N 126.61E 35 4.9b,4.2
DJA II 21 15 07 48 3.55N 126.89E 10 4.5b,4.2
ISC Event type se.
MOS Error ellipse: s-maj=19.3km s-min=7.2km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.7km az=168.2.
IDC Error ellipse: s-maj=26.3km s-min=11.5km az=82.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.4km az=79.0.
IDC II 21 15 38 07.5–2.0 4.23N 126.89E 0 3.5,3.4
¶15956882

IDC Error ellipse: s-maj=151.4km s-min=24.7km az=66.0.
IDC II 21 15 51 39.5–9.4 3.58N 127.25E 0 3.7,3.6
¶15956884

IDC Error ellipse: s-maj=232.8km s-min=151.5km az=78.0.
IDC II 21 18 27 07.6–1.1 3.82N 126.69E 0 3.8,3.7
¶15956891

IDC Error ellipse: s-maj=105.8km s-min=15.1km az=71.0.
IDC II 21 20 37 08.5–2.1 3.49N 126.22E 0 3.7,3.5
¶15956895

IDC Error ellipse: s-maj=191.0km s-min=26.3km az=65.0.
IDC II 21 20 59 06.9–1.7 4.20N 127.03E 0 3.7,3.5
¶15956896

IDC Error ellipse: s-maj=155.1km s-min=20.4km az=66.0.
IDC II 21 21 11 22.3–1.4 4.08N 126.97E 0 3.8,3.6
¶15956899

IDC Error ellipse: s-maj=191.9km s-min=16.5km az=68.0.
IDC II 21 22 37 43.0–2.5 4.15N 126.91E 0 3.4,3.2
¶15956903

IDC Error ellipse: s-maj=206.2km s-min=27.9km az=66.0.
IDC II 21 23 01 08.0–2.3 4.20N 127.51E 0 3.6,3.3
¶15956904

IDC Error ellipse: s-maj=167.4km s-min=28.3km az=66.0.
IDC II 22 00 27 06.7–1.3 3.87N 127.26E 0 3.7,3.6
¶15956910

IDC Error ellipse: s-maj=93.7km s-min=18.3km az=72.0.
ISC II 22 02 56 58.6–2.6 4.1N–.10 126.7E–.30 63–23 4.1b 33 3-95
IDC II 22 02 56 50.3–.77 4.15N 126.80E 0 4.0,3.9 **¶12701484**
NEIC II 22 02 56 55.4–.53 4.12N 126.70E 35 4.3b,3.9
ISCJB II 22 02 56 59.7–1.7 4.02N–.10 126.5E–.20 92–15 3.9b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 22 03 52 46.4–.30 3.85N–.03 126.76E–.04 32–1 5.1b,4.6s 565 3-169
BJI II 22 03 52 42.4 3.74N 127.07E 17 5.2b,5.0s **¶13434965**
IDC II 22 03 52 44.3–1.8 3.82N 126.70E 18–10 4.8,4.8
ISCJB II 22 03 52 44.5–.17 3.93N–.02 126.91E–.03 32 5.1b,4.6s
MOS II 22 03 52 45.0–1.4 3.89N 126.68E 33 5.3b,4.8s
NEIC II 22 03 52 46.6–.16 3.85N 126.73E 35 5.2b,4.8s
DJA II 22 03 52 52 3.67N 126.90E 71 5.0W,4.8s
ISC Event type fe.
IDC Error ellipse: s-maj=18.8km s-min=10.4km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=175.3.
MOS Error ellipse: s-maj=11.1km s-min=5.5km az=114.7.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.1km az=66.0. Felt [II] in the Kepulauan Talaud.
IDC II 22 04 41 39.0–1.5 4.57N 126.40E 0 4.0,3.8
¶15956917

IDC Error ellipse: s-maj=151.7km s-min=18.8km az=65.0.
IDC II 22 04 56 05.8–1.1 3.64N 126.45E 0 3.9,3.8
¶15956918

IDC Error ellipse: s-maj=90.1km s-min=17.7km az=70.0.
IDC II 22 05 55 23.7–1.3 3.91N 126.82E 0 4.0,3.8
¶15956921

IDC Error ellipse: s-maj=103.8km s-min=17.5km az=69.0.
IDC II 22 07 22 27.7–1.4 3.56N 126.38E 0 3.5,3.4
¶15956924

IDC Error ellipse: s-maj=160.7km s-min=23.6km az=67.0.
IDC II 22 08 52 14.5–2.1 4.93N 126.96E 0 3.5,3.4
¶15956927

IDC Error ellipse: s-maj=165.6km s-min=25.2km az=65.0.
ISC II 22 09 49 11.3–.39 3.69N–.04 126.85E–.06 33–1 4.8b,4.3s 243 3-161
IDC II 22 09 49 05.8–.47 3.67N 126.71E 0 4.6,4.5 **¶11713525**
DJA II 22 09 49 09 4.03N 127.09E 10 4.9,4.5
BJI II 22 09 49 09.9 3.72N 127.02E 35 5.0b,4.8s
MOS II 22 09 49 09.4–1.2 3.70N 126.72E 33 5.1b,4.8s
ISCJB II 22 09 49 10.5–.65 3.70N–.03 126.87E–.05 45–6 4.7b,4.3s
NEIC II 22 09 49 11.1–.25 3.69N 126.83E 35 4.9b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=12.2km az=76.0.
MOS Error ellipse: s-maj=15.0km s-min=6.8km az=113.3.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.7km az=158.8.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.5km az=71.0.
IDC II 22 11 03 53.5–1.3 4.16N 126.93E 0 3.6,3.5
¶15956932

IDC Error ellipse: s-maj=96.8km s-min=16.7km az=69.0.
IDC II 22 11 07 11.5–1.6 4.21N 126.99E 0 3.7,3.5
¶15956933

IDC Error ellipse: s-maj=150.3km s-min=20.6km az=65.0.
ISC II 22 11 14 03.6–1.0 4.2N–.20 127.0E–.30 36 4.0b 22 3-123
IDC II 22 11 13 58.3–1.0 4.16N 127.03E 0 3.9,3.8 **¶12701515**
ISCJB II 22 11 14 01.5–.80 4.2N–.20 127.0E–.30 36 3.9b,3.8
NEIC II 22 11 14 03.4–.52 4.14N 127.03E 35 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=66.7km s-min=14.5km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=50.9km s-min=10.3km az=157.6.
NEIC Event type se. Error ellipse: s-maj=33.1km s-min=7.1km az=68.0.
IDC II 22 11 27 56.0–1.7 4.12N 126.82E 0 3.7,3.6
¶15956934

IDC Error ellipse: s-maj=96.6km s-min=23.5km az=68.0.
IDC II 22 11 29 37.3–2.0 3.64N 126.11E 0 3.8,3.7
¶15956935

IDC Error ellipse: s-maj=187.0km s-min=25.9km az=64.0.
IDC II 22 11 40 15.4–1.9 4.05N 127.23E 0 3.6,3.4
¶15956937

IDC Error ellipse: s-maj=153.1km s-min=24.3km az=65.0.
IDC II 22 11 56 37.4–1.9 4.16N 126.96E 0 3.7,3.6
¶15956938

IDC Error ellipse: s-maj=148.6km s-min=24.0km az=65.0.
ISC II 22 14 38 19.8–.91 3.64N–.08 127.19E–.09 48 3.7b 14 3-91
IDC II 22 14 38 13.5–1.1 3.62N 127.07E 0 4.0,3.8 **¶12701530**
ISCJB II 22 14 38 17.9–.77 3.68N–.06 127.18E–.08 48 3.8b,3.8
DJA II 22 14 38 20.9–1.7 3N–21 127E–7.0 160–32 4.0b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC II 22 14 41 31.8–2.1 3.85N 127.68E 0 3.7,3.6
¶15956946

IDC Error ellipse: s-maj=183.6km s-min=23.5km az=66.0.
IDC II 22 15 06 26.1–6.8 3.06N 127.28E 0 3.7,3.5
¶15956948

IDC Error ellipse: s-maj=141.3km s-min=107.4km az=76.0.
IDC II 22 15 27 45.3–.74 3.64N 126.78E 0 4.2,4.1
¶15956951

IDC Error ellipse: s-maj=45.1km s-min=14.4km az=70.0.
IDC II 22 15 28 56.5–.87 3.76N 126.99E 0 4.3,4.2b
¶15956952

IDC Error ellipse: s-maj=60.3km s-min=14.8km az=69.0.
IDC II 22 15 39 07.6–2.1 3.10N 126.43E 0 3.4,3.3
¶15956953

IDC Error ellipse: s-maj=182.8km s-min=26.9km az=65.0.
IDC II 22 15 51 05.4–2.2 3.43N 126.24E 0 3.5,3.3
¶15956954

IDC Error ellipse: s-maj=198.0km s-min=25.9km az=65.0.
ISC II 22 16 16 32.0–.43 3.76N–.03 126.78E–.05 28–2 4.6b,3.7s 186 3-157
BJI II 22 16 16 26.9 3.43N 126.91E 23 5.1b,4.7s **¶11713534**
IDC II 22 16 16 27.3–.47 3.61N 126.63E 0 4.5,4.5b
ISCJB II 22 16 16 31.2–.24 3.81N–.02 126.86E–.04 33 4.6b,3.7s
NEIC II 22 16 16 31.8–3.0 3.70N 126.68E 29–22 4.6b,3.7s
DJA II 22 16 16 38 3.55N 126.83E 61 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=9.2km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.0km az=165.5.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.0km az=79.0.
IDC II 22 16 50 46.0–1.8 3.50N 126.45E 0 3.5,3.4
¶15956956

IDC Error ellipse: s-maj=152.7km s-min=23.7km az=65.0.
ISC II 22 17 45 23.1–.24 3.69N–.02 126.60E–.03 40–1 5.9b,5.7s 2344 3-169
BJI II 22 17 45 17.3 3.26N 126.69E 34 5.8s,5.8b **¶11713537**
MOS II 22 17 45 21.1–1.1 3.73N 126.53E 33 6.2b,5.6s
NEIC II 22 17 45 22.4–.12 3.68N 126.56E 32 6.0W,6.0
IDC II 22 17 45 22.1–1.6 3.71N 126.56E 30–10 5.6,5.5
TEH II 22 17 45 23.0 3.70N 126.59E 38 5.8L,5.5
ISCJB II 22 17 45 24.6–.31 3.67N–.01 126.66E–.02 68–2 5.8b,5.5
DJA II 22 17 45 27 3.61N 126.72E 72 5.9W,5.5
ISC Event type fe.
MOS Error ellipse: s-maj=8.5km s-min=4.4km az=115.2.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=69.0. Felt [V] at Melonguanne. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s345.00000°,δ50.00000°,λ55.00000°. NP2:ϕ_s212.00000°,δ51.00000°,λ124.00000°. Principal axes: T Plg64.0000°,Azm188.0000°; N Plg0.0000°,Azm0.0000°; P Plg1.0000° ,Azm279.0000° Moment Tensor Solution. s59 Moment tensor: Scale 10^{17}Nm; M_{rr}5.91 $M_{\theta\theta}$1.77 $M_{\phi\phi}$-7.68 $M_{r\theta}$-2.07 $M_{\theta\phi}$0.24 $M_{\phi r}$1.02 Best double couple: NP1:ϕ_s200.00000° ,δ45.00000°,λ122.00000°. NP2:ϕ_s338.00000°,δ53.00000°,λ62.00000°. Principal axes: T 6.8200,Plg67.0000°,Azm188.0000°; N 0.9500,Plg21.0000°,Azm355.0000° ; P -7.7700,Plg4.0000°,Azm87.0000° $M_0$7.30000×10^{17}
IDC Error ellipse: s-maj=12.5km s-min=8.0km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=168.5.
IDC II 22 17 55 50.0–1.7 3.88N 127.08E 0 4.2,4.1
¶15956959

IDC Error ellipse: s-maj=176.1km s-min=19.2km az=66.0.
IDC II 22 18 04 24.3–1.4 3.66N 126.69E 0 3.5,3.5
¶15956960

IDC Error ellipse: s-maj=141.1km s-min=19.6km az=68.0.
ISC II 22 18 06 58.5–.80 3.68N–.06 126.74E–.08 53 3.9b 17 3-74
IDC II 22 18 06 52.0–1.0 3.36N 125.99E 0 4.0,3.9 **¶12701548**

ISCJB II 22 18 06 56.7–.60 3.70N–.05 126.78E–.06 53 3.8b,3.9
DJA II 22 18 06 59.3–1.0 4N–10 127E–4.0 141–21 4.5b,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC II 22 18 12 44.8–.90 3.79N–.08 126.80E–.08 48 3.8b 17 3-67
IDC II 22 18 12 39.0–1.0 3.10N 125.46E 0 4.0s,4.0 ¶12701549
ISCJB II 22 18 12 42.8–.67 3.83N–.05 126.86E–.06 48 3.8b,4.0
DJA II 22 18 12 46.5–4.1 4N–14 127E–5.0 26–64 4.6b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC II 22 18 39 20.5–1.2 3.61N 126.67E 0 3.8,3.6
¶15956961
IDC Error ellipse: s-maj=92.0km s-min=18.3km az=71.0.
ISC II 22 19 40 24.0–.71 3.85N–.08 126.9E–.10 36 4.0b 21 3-90
IDC II 22 19 40 18.3–.83 3.77N 126.77E 0 4.1,4.0 ¶12701556
ISCJB II 22 19 40 21.8–.57 3.91N–.05 126.9E–.10 36 4.0b,4.0
DJA II 22 19 40 28 3.49N 126.82E 10 4.5,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=63.3km s-min=13.6km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=6.8km az=165.0.
IDC II 22 20 04 57.2–1.9 3.87N 127.02E 0 3.7,3.5b
¶15956966
IDC Error ellipse: s-maj=156.6km s-min=24.3km az=65.0.
IDC II 22 20 15 02.4–2.2 3.80N 127.06E 0 3.6,3.5b
¶15956968
IDC Error ellipse: s-maj=192.4km s-min=24.1km az=65.0.
IDC II 22 20 27 09.0–2.0 3.95N 127.08E 0 3.6,3.5
¶15956969
IDC Error ellipse: s-maj=166.4km s-min=24.5km az=65.0.
IDC II 22 20 33 47.8–2.4 3.97N 126.25E 0 3.5s,3.5
¶15956970
IDC Error ellipse: s-maj=212.4km s-min=27.4km az=65.0.
ISC II 22 20 55 10.7–.77 3.5N–.10 126.6E–.30 53 4.0b 21 21-86
IDC II 22 20 55 03.8–1.1 3.46N 126.55E 0 3.9,3.8 ¶12701564
NEIC II 22 20 55 08.8–.48 3.46N 126.59E 35 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=108.3km s-min=14.9km az=70.0.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=9.1km az=73.0.
ISC II 22 21 27 46.0–.63 3.61N–.07 126.81E–.10 59–3 4.5b 95 3-91
BJI II 22 21 27 38.2 2.92N 127.01E 54 5.1b,4.8s ¶11713570
IDC II 22 21 27 38.6–.71 3.69N 126.70E 0 4.2,4.1
ISCJB II 22 21 27 46.1–1.1 3.64N–.06 126.69E–.08 76–9 4.5b,4.1
NEIC II 22 21 27 47.0–1.2 3.67N 126.72E 70–11 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=13.8km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=8.8km az=161.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.6km az=73.0.
IDC II 22 21 43 23.1–1.3 4.09N 126.80E 0 3.8,3.7b
¶15956973
IDC Error ellipse: s-maj=95.3km s-min=16.6km az=68.0.
IDC II 22 22 17 38.1–.72 4.01N 126.86E 0 4.2,4.0
¶15956975
IDC Error ellipse: s-maj=39.9km s-min=14.6km az=72.0.
IDC II 22 23 15 00.5–1.7 3.96N 126.93E 0 3.8,3.7
¶15956978
IDC Error ellipse: s-maj=95.5km s-min=23.0km az=68.0.
IDC II 22 23 40 13.0–1.6 3.41N 126.19E 0 3.3,3.2
¶15956980
IDC Error ellipse: s-maj=154.1km s-min=27.9km az=68.0.
IDC II 22 23 47 55.0–2.1 3.97N 127.15E 0 3.7,3.6
¶15956981
IDC Error ellipse: s-maj=164.6km s-min=26.2km az=65.0.
IDC II 22 23 48 09.0–1.9 3.88N 127.04E 0 4.1,4.0
¶15956984
IDC Error ellipse: s-maj=152.5km s-min=23.3km az=65.0.
ISC II 23 01 34 21.1–.47 3.94N–.06 126.72E–.06 45 4.2b,3.6s 65 3-123
ISCJB II 23 01 34 19.8–.36 3.91N–.03 126.80E–.04 45 4.2b,3.7s ¶12701582
IDC II 23 01 34 19.2–4.3 3.84N 126.32E 27–29 4.1,4.0
NEIC II 23 01 34 20.1–.39 3.84N 126.34E 35 4.6b,4.0
DJA II 23 01 34 23.8–.60 4N–4.0 127E–3.0 45–7 5.2b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC II 23 01 44 51.5–.90 3.46N 126.55E 0 3.8,3.7
¶15957014
IDC Error ellipse: s-maj=75.0km s-min=15.6km az=72.0.
IDC II 23 01 54 23.3–1.2 3.23N 126.23E 0 3.6,3.5
¶15957015
IDC Error ellipse: s-maj=159.4km s-min=19.9km az=67.0.
IDC II 23 02 24 23.1–.71 4.09N 126.59E 0 3.9,3.8
¶15957017
IDC Error ellipse: s-maj=51.7km s-min=14.2km az=71.0.
IDC II 23 02 44 42.5–1.6 3.31N 126.25E 0 3.4,3.3
¶15957018
IDC Error ellipse: s-maj=151.4km s-min=27.3km az=69.0.
IDC II 23 02 47 36.0–1.7 3.80N 126.86E 0 3.8,3.7
¶15957019
IDC Error ellipse: s-maj=101.1km s-min=23.5km az=68.0.
IDC II 23 02 53 03.5–1.7 3.72N 126.82E 0 3.4,3.3
¶15957020
IDC Error ellipse: s-maj=165.1km s-min=28.2km az=68.0.
IDC II 23 03 38 08.2–1.2 3.69N 127.03E 0 3.8,3.7
¶15957025
IDC Error ellipse: s-maj=92.0km s-min=16.7km az=71.0.
IDC II 23 03 40 55.4–1.9 3.59N 126.73E 0 3.8,3.7b
¶15957026
IDC Error ellipse: s-maj=207.4km s-min=24.4km az=64.0.
ISC II 23 04 06 11.3–.35 3.99N–.03 126.76E–.05 33–1 4.9b,4.2s 313 3-161
BJI II 23 04 06 04.1 3.33N 126.87E 35 5.1b,4.8b ¶11713576
IDC II 23 04 06 06.2–.43 3.90N 126.54E 0 4.7,4.7
ISCJB II 23 04 06 07.6–1.0 4.05N–.03 126.84E–.04 21–7 4.9b,4.3s
MOS II 23 04 06 09.4–1.1 3.93N 126.69E 33 5.2b,4.3s
NEIC II 23 04 06 11.3–.26 3.99N 126.70E 35 4.9b,4.3s
DJA II 23 04 06 18 3.68N 126.80E 66 4.8b,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=21.3km s-min=9.8km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.3km az=168.9.
MOS Error ellipse: s-maj=15.0km s-min=6.6km az=116.0.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=5.2km az=68.0. Felt [III] at Melonguanne and [II] at Lirung.
IDC II 23 04 50 26.5–1.2 3.81N 126.87E 0 4.0,3.9
¶12701608
IDC Error ellipse: s-maj=109.9km s-min=17.7km az=71.0.
ISC II 23 04 51 10.0–.66 3.66N–.04 126.2E–.10 10 4.4b,3.5s 25 3-99
IDC II 23 04 51 08.4–1.1 3.71N 126.43E 0 4.4,4.3b ¶15957035
NEIC II 23 04 51 13.1–.77 3.79N 126.79E 35 4.6b,4.3b
DJA II 23 04 51 30.5–1.0 2N–12 127E–4.0 30 5.1b,4.5
ISC Event type se.
NEIC Event type se.
IDC II 23 04 56 42.5–1.4 3.73N 126.67E 0 3.7,3.6
¶15957037
IDC Error ellipse: s-maj=229.5km s-min=19.0km az=69.0.
IDC II 23 05 04 01.7–1.2 3.62N 126.61E 0 3.7,3.6
¶15957038
IDC Error ellipse: s-maj=119.9km s-min=16.8km az=71.0.
IDC II 23 05 15 51.4–1.2 3.71N 126.93E 0 3.9,3.8
¶15957039
IDC Error ellipse: s-maj=96.4km s-min=16.6km az=70.0.
IDC II 23 10 09 53.1–1.2 3.97N 126.91E 0 4.1,3.9b
¶15957048
IDC Error ellipse: s-maj=87.7km s-min=17.7km az=71.0.

IDC II 23 10 30 23.5–.92 3.69N 126.72E 0 4.1,3.9
¶15957049
IDC Error ellipse: s-maj=72.1km s-min=17.2km az=73.0.
NEIC II 23 10 40 41.0–.42 3.73N 126.59E 35 4.6b
IDC II 23 10 40 35.7–.86 3.58N 126.31E 0 4.4s,4.4 ¶12701628
DJA II 23 10 41 14 2.23N 124.99E 10 4.3,4.4
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.3km az=71.0.
IDC Error ellipse: s-maj=35.6km s-min=19.3km az=72.0.
IDC II 23 10 57 43.9–2.4 3.57N 126.80E 0 3.4,3.2
¶15957050
IDC Error ellipse: s-maj=196.7km s-min=28.1km az=66.0.
IDC II 23 10 59 59.4–1.1 3.69N 126.84E 0 3.9,3.7
¶15957051
IDC Error ellipse: s-maj=123.6km s-min=17.8km az=67.0.
IDC II 23 11 30 05.2–2.0 3.04N 126.05E 0 3.6,3.4
¶15957052
IDC Error ellipse: s-maj=177.3km s-min=26.0km az=65.0.
IDC II 23 12 50 28.1–1.2 3.43N 126.39E 0 3.8,3.7
¶15957055
IDC Error ellipse: s-maj=134.5km s-min=17.7km az=67.0.
IDC II 23 13 03 31.9–1.4 3.99N 126.93E 0 3.8,3.7
¶15957056
IDC Error ellipse: s-maj=95.0km s-min=19.7km az=68.0.
IDC II 23 13 04 25.0–1.1 3.63N 126.79E 0 4.0,3.9
¶15957059
IDC Error ellipse: s-maj=102.2km s-min=14.6km az=71.0.
IDC II 23 13 49 55.7–2.2 3.51N 126.50E 0 3.5,3.3
¶15957062
IDC Error ellipse: s-maj=194.9km s-min=25.2km az=66.0.
IDC II 23 14 40 16.6–2.5 4.07N 127.38E 0 3.4,3.2
¶15957065
IDC Error ellipse: s-maj=201.9km s-min=27.4km az=66.0.
IDC II 23 16 21 03.2–1.6 3.85N 126.74E 0 4.2,4.0
¶15957068
IDC Error ellipse: s-maj=102.6km s-min=21.2km az=67.0.
IDC II 23 17 25 01.2–2.0 4.25N 126.88E 0 3.6,3.5
¶15957071
IDC Error ellipse: s-maj=161.0km s-min=24.2km az=65.0.
ISC II 23 17 34 01.0–.27 3.65N–.03 126.62E–.04 42–1 5.3b,4.8s 560 1-161
IDC II 23 17 33 55.3–.34 3.60N 126.58E 0 4.9,4.9 ¶11714032
BJI II 23 17 33 56.3 3.28N 126.78E 39 5.2b,5.1b
DJA II 23 17 33 58 3.91N 127.06E 10 5.0W,5.1b
MOS II 23 17 33 58.8–.99 3.63N 126.63E 33 5.5b,4.6s
NEIC II 23 17 34 00.8–.18 3.66N 126.64E 35 5.4b,5.2W
ISCJB II 23 17 34 02.3–.37 3.68N–.02 126.76E–.03 64–3 5.2b,5.2W
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s21 Moment tensor: Scale 10^{16}Nm; M_{rr}7.95 $M_{\theta\theta}$0.52 $M_{\phi\phi}$-8.47 $M_{r\theta}$0.76 $M_{\theta\phi}$1.24 $M_{\phi r}$2.48 Best double couple: NP1:ϕ_s0.00000°,δ53.00000°,λ100.00000°. NP2:ϕ_s164.00000°,δ38.00000°,λ77.00000°. Principal axes: T 8.4300,Plg78.0000°,Azm307.0000°; N 0.5400,Plg7.0000°,Azm174.0000°; P -8.9700,Plg7.0000°,Azm83.0000° M_o8.70000×10^{16}
ISCJB Event type se.
IDC II 23 17 47 08.4–1.8 3.89N 127.29E 0 3.7,3.6
¶16341902
IDC Error ellipse: s-maj=174.5km s-min=19.7km az=66.0.
IDC II 23 18 02 06.6–1.6 3.90N 126.75E 0 3.7,3.5
¶15957073
IDC Error ellipse: s-maj=155.5km s-min=22.0km az=64.0.
ISC II 23 18 07 57.4–.40 3.71N–.05 126.76E–.07 48 4.7b,3.6s 92 3-161
IDC II 23 18 07 50.3–.42 3.57N 126.64E 0 4.6,4.6 ¶12054399
DJA II 23 18 07 54 3.88N 127.08E 10 4.7b,4.6
ISCJB II 23 18 07 55.7–.28 3.73N–.03 126.80E–.05 48 4.5b,3.5s
BJI II 23 18 07 56.3 3.82N 126.53E 43 5.1b,4.7s
MAN II 23 18 08 05 4.06N 126.43E 92 5.0b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=8.5km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=169.5.
IDC II 23 18 15 55.6–2.6 4.07N 127.43E 0 3.5,3.4
¶15957074
IDC Error ellipse: s-maj=245.6km s-min=21.7km az=67.0.
IDC II 23 18 38 33.7–.85 3.70N 126.80E 0 3.9,3.8
¶15957076
IDC Error ellipse: s-maj=69.4km s-min=14.2km az=73.0.
IDC II 23 18 46 14.1–2.0 2.56N 125.48E 0 3.4,3.2
¶15957077
IDC Error ellipse: s-maj=194.4km s-min=25.6km az=65.0.
IDC II 23 19 10 33.0–1.2 3.89N 126.84E 0 4.0,3.8b
¶15957078
IDC Error ellipse: s-maj=86.4km s-min=17.5km az=71.0.
IDC II 23 20 18 59.5–1.9 4.25N 127.37E 0 3.8,3.6
¶15957082
IDC Error ellipse: s-maj=105.1km s-min=24.3km az=69.0.
IDC II 23 20 26 20.6–2.3 3.26N 126.04E 0 3.2,3.1
¶15957083
IDC Error ellipse: s-maj=212.1km s-min=27.1km az=65.0.
IDC II 23 21 42 45.7–1.2 3.63N 126.47E 0 3.7,3.6
¶15957087
IDC Error ellipse: s-maj=117.5km s-min=16.9km az=73.0.
IDC II 23 21 44 32.2–1.2 3.97N 126.83E 0 3.8,3.6
¶15957088
IDC Error ellipse: s-maj=91.6km s-min=18.8km az=72.0.
IDC II 23 23 12 37.1–1.6 4.03N 126.99E 0 3.3,3.2
¶15957090
IDC Error ellipse: s-maj=140.9km s-min=25.8km az=69.0.
IDC II 23 23 31 42.3–1.7 3.80N 127.14E 0 3.8,3.7
¶15957092
IDC Error ellipse: s-maj=111.5km s-min=19.3km az=70.0.
IDC II 23 23 34 53.9–1.6 2.79N 125.03E 0 3.6,3.5
¶15957093
IDC Error ellipse: s-maj=191.0km s-min=21.1km az=65.0.
IDC II 23 23 52 40.2–1.6 2.74N 125.01E 0 3.5,3.3
¶15957094
IDC Error ellipse: s-maj=187.7km s-min=21.1km az=65.0.
IDC II 24 00 08 06.3–1.3 3.77N 127.14E 0 3.7,3.5
¶15957122
IDC Error ellipse: s-maj=105.0km s-min=17.3km az=73.0.
IDC II 24 00 39 31.1–2.1 3.93N 127.04E 0 3.7,3.4
¶15957126
IDC Error ellipse: s-maj=168.3km s-min=25.6km az=66.0.
IDC II 24 02 19 55.3–1.2 3.46N 126.93E 0 4.0,3.9
¶15957129
IDC Error ellipse: s-maj=110.0km s-min=16.1km az=71.0.
IDC II 24 05 43 16.8–1.2 3.59N 126.62E 0 3.8,3.7
¶15957136
IDC Error ellipse: s-maj=95.7km s-min=18.3km az=71.0.
ISC II 24 05 54 59.6–.95 4.1N–.20 127.0E–.30 36 3.9b 21 22-73
IDC II 24 05 54 54.3–1.1 4.13N 126.94E 0 4.0,3.8 ¶12701706
ISCJB II 24 05 54 57.5–.86 4.1N–.20 126.9E–.30 36 3.8b,3.8
NEIC II 24 05 54 59.3–.62 4.11N 126.95E 35 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=66.4km s-min=15.1km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=51.2km s-min=11.2km az=157.1.
NEIC Event type se. Error ellipse: s-maj=36.9km s-min=8.3km az=68.0.
IDC II 24 06 46 52.0–2.3 3.53N 126.89E 0 3.6,3.4
¶15957141
IDC Error ellipse: s-maj=186.9km s-min=26.8km az=66.0.
ISC II 24 08 29 42.3–.55 3.61N–.04 126.61E–.07 69–4 4.7b 225 3-150
IDC II 24 08 29 32.6–.40 3.55N 126.58E 0 4.6,4.6 ¶11728573
BJI II 24 08 29 36.8 3.16N 126.94E 76 5.1b,4.9b
MOS II 24 08 29 36.6–.87 3.61N 126.53E 33 5.1b,4.9b
NEIC II 24 08 29 38.7–.24 3.68N 126.58E 35 4.8b,4.9b

DJA II 24 08 29 38 3.71N 127.06E 10 5.0,4.9b
ISCJB II 24 08 29 41.0–.65 3.63N–.03 126.62E–.05 72–6 4.6b,4.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 24 08 40 40.3–.49 3.63N–.03 126.74E–.06 75–3 4.7b 219 1-140
IDC II 24 08 40 30.2–.39 3.56N 126.58E 0 4.6,4.6 ¶11728575
BJI II 24 08 40 31.5 2.92N 126.99E 69 4.9b,4.8b
MOS II 24 08 40 34.1–.99 3.66N 126.54E 33 5.0b,4.8b
NEIC II 24 08 40 36.1–.21 3.66N 126.60E 35 4.8b,4.8b
ISCJB II 24 08 40 37.9–.52 3.67N–.03 126.79E–.04 68–5 4.6b,4.8b
DJA II 24 08 40 38 3.48N 126.92E 10 5.0,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=8.4km az=76.0.
MOS Error ellipse: s-maj=13.9km s-min=6.5km az=113.2.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=160.6.
IDC II 24 10 03 10.8–1.8 2.72N 125.30E 0 3.9,3.7
¶15957155

IDC Error ellipse: s-maj=178.4km s-min=23.3km az=64.0.
IDC II 24 14 57 28.9–1.4 3.79N 126.64E 0 3.4,3.3
¶15957169

IDC Error ellipse: s-maj=142.5km s-min=22.2km az=70.0.
ISC II 25 02 15 34.7–1.5 4.2N–.20 127.1E–.60 36 4.0b 11 12-145
IDC II 25 02 15 29.3–1.1 4.31N 127.20E 0 4.1,3.9 ¶12701794
ISCJB II 25 02 15 32.6–.77 4.3N–.10 127.1E–.30 36 4.0b,3.8s
NEIC II 25 02 15 34.2–.43 4.29N 127.16E 35 4.3b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=70.8km s-min=15.8km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=41.5km s-min=10.0km az=159.9.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=6.9km az=70.0.
IDC II 25 06 16 09.6–1.4 3.52N 126.70E 0 3.7,3.6
¶15957237

IDC Error ellipse: s-maj=163.7km s-min=18.9km az=67.0.
IDC II 25 09 49 43.2–.69 3.87N 126.38E 0 4.1,4.0
MAN II 25 09 50 42 7.34N 124.65E 9 4.0b,2.8L ¶15957242
IDC Error ellipse: s-maj=38.5km s-min=14.3km az=74.0.
IDC II 25 12 19 39.5–1.2 3.71N 126.21E 0 3.7,3.5
¶15957244

IDC Error ellipse: s-maj=129.8km s-min=19.5km az=68.0.
IDC II 25 12 54 26.6–2.0 4.12N 127.38E 0 3.8,3.6
¶15957246

IDC Error ellipse: s-maj=158.2km s-min=25.7km az=65.0.
IDC II 25 13 17 37.1–.69 3.52N 126.64E 0 4.1,4.0
¶15957247

IDC Error ellipse: s-maj=44.0km s-min=14.0km az=76.0.
IDC II 25 15 08 60.0–1.6 4.08N 127.04E 0 3.5,3.4
¶15957251

IDC Error ellipse: s-maj=146.6km s-min=19.8km az=66.0.
IDC II 25 16 09 50.1–1.4 3.35N 125.15E 0 3.4,3.3
¶15957254

IDC Error ellipse: s-maj=157.5km s-min=25.5km az=68.0.
IDC II 25 16 37 33.0–1.3 3.78N 127.01E 0 3.6,3.4
¶15957261

IDC Error ellipse: s-maj=126.8km s-min=20.4km az=68.0.
IDC II 25 18 02 27.0–2.5 3.83N 126.83E 0 3.5,3.3
¶15957263

IDC Error ellipse: s-maj=212.6km s-min=26.5km az=66.0.
IDC II 25 19 43 05.8–20 3.98N 126.57E 105–201 3.3,3.2
¶15957270

IDC Error ellipse: s-maj=103.8km s-min=25.5km az=63.0.
IDC II 25 20 55 05.3–1.3 3.41N 126.80E 0 3.6,3.4
¶15957272

IDC Error ellipse: s-maj=132.8km s-min=21.6km az=68.0.
IDC II 25 21 09 27.3–.83 3.66N 126.30E 0 3.9,3.8
¶15957273

IDC Error ellipse: s-maj=68.1km s-min=15.3km az=76.0.
IDC II 25 22 14 59.6–1.3 3.59N 126.80E 0 3.8,3.6
¶15957277

IDC Error ellipse: s-maj=97.0km s-min=18.5km az=71.0.
IDC II 25 22 23 11.2–2.1 3.50N 126.63E 0 3.6,3.4
¶15957278

IDC Error ellipse: s-maj=203.5km s-min=24.6km az=65.0.
IDC II 25 23 33 21.4–1.1 3.37N 126.63E 0 3.9,3.8
¶15957281

IDC Error ellipse: s-maj=92.9km s-min=15.3km az=69.0.
IDC II 25 23 35 20.9–1.2 3.44N 126.78E 0 3.7,3.5
¶15957282

IDC Error ellipse: s-maj=134.8km s-min=17.2km az=68.0.
IDC II 25 23 37 03.7–1.3 3.68N 126.60E 0 3.8,3.7b
¶16166706

IDC Error ellipse: s-maj=132.8km s-min=18.9km az=68.0.
IDC II 26 01 11 02.6–1.9 4.24N 127.39E 0 3.7,3.6
¶15957330

IDC Error ellipse: s-maj=114.6km s-min=25.8km az=68.0.
ISC II 26 03 01 48.1–.58 3.4N–.10 127.1E–.20 48 4.2b 35 21-123
IDC II 26 03 01 41.5–1.1 3.43N 126.99E 0 4.1,4.0 ¶12701888
ISCJB II 26 03 01 46.1–.40 3.42N–.09 126.9E–.20 48 4.1b,3.3s
NEIC II 26 03 01 46.6–.28 3.45N 127.06E 35 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=104.2km s-min=14.4km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=7.5km az=154.4.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=5.6km az=65.0.
IDC II 26 06 38 38.3–1.6 3.14N 126.01E 0 4.0,3.7
¶15957341

IDC Error ellipse: s-maj=151.7km s-min=27.0km az=68.0.
IDC II 26 11 54 46.9–1.4 3.70N 126.86E 0 3.6,3.5
¶15957354

IDC Error ellipse: s-maj=136.3km s-min=21.2km az=69.0.
IDC II 26 14 21 06.5–1.9 3.99N 126.57E 0 3.5,3.3
¶15957361

IDC Error ellipse: s-maj=160.0km s-min=24.0km az=65.0.
IDC II 26 15 32 06.5–1.4 4.05N 126.96E 0 3.6,3.5
¶15957364

IDC Error ellipse: s-maj=104.0km s-min=18.1km az=68.0.
IDC II 26 15 51 51.4–2.2 4.03N 127.17E 0 3.4,3.2
¶15957367

IDC Error ellipse: s-maj=172.5km s-min=25.8km az=66.0.
ISC II 26 16 15 56.5–.30 3.63N–.03 126.69E–.04 78–2 5.1b 561 3-167
IDC II 26 16 15 48.1–2.6 3.66N 126.52E 9–15 4.9,4.9 ¶11730141
MOS II 26 16 15 49.9–.91 3.69N 126.54E 33 5.3b,4.0s
NEIC II 26 16 15 53.6–.90 3.69N 126.64E 53–8 5.2b,4.0s
BJI II 26 16 15 53.2 3.48N 126.70E 80 5.0b,5.0b
ISCJB II 26 16 15 54.1–.38 3.68N–.02 126.75E–.03 72–3 5.0b,5.0b
TEH II 26 16 15 56.0 3.70N 126.76E 81 5.0L,5.0b
DJA II 26 16 15 58 3.55N 126.83E 79 4.7W,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=17.1km s-min=9.8km az=78.0.
MOS Error ellipse: s-maj=10.6km s-min=5.1km az=113.7.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.2km az=72.0. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=165.0.
IDC II 26 16 34 24.7–7.9 3.36N 127.40E 0 3.8,3.6
¶15957369

IDC Error ellipse: s-maj=154.3km s-min=125.9km az=79.0.
IDC II 26 20 56 15.9–1.9 4.08N 126.97E 0 3.8,3.6
¶15957379

IDC Error ellipse: s-maj=144.1km s-min=24.1km az=65.0.
IDC II 26 21 42 52.4–.93 3.64N 126.46E 0 3.8,3.7
¶15957381

IDC Error ellipse: s-maj=51.9km s-min=18.4km az=73.0.

IDC II 27 00 54 30.7–.74 3.44N 126.19E 0 4.1,4.0
¶15957427

IDC Error ellipse: s-maj=73.4km s-min=12.0km az=72.0.
IDC II 27 01 48 46.7–1.9 4.02N 126.86E 0 4.0,3.8
¶15957430

IDC Error ellipse: s-maj=153.1km s-min=25.8km az=64.0.
ISC II 27 03 22 29.1–.54 3.9N–.10 126.7E–.20 45 4.4b 46 4-157
IDC II 27 03 22 22.9–.71 3.85N 126.61E 0 4.3,4.1 ¶12701970
ISCJB II 27 03 22 27.2–.39 3.81N–.08 126.6E–.10 45 4.3b,4.1
NEIC II 27 03 22 27.9–.29 3.86N 126.65E 35 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=49.8km s-min=13.8km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=7.4km az=155.1.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=5.7km az=65.0.
IDC II 27 04 05 28.1–1.4 3.20N 127.07E 0 4.0s,4.0
¶15957433

IDC Error ellipse: s-maj=145.1km s-min=21.1km az=66.0.
IDC II 27 06 26 46.3–1.6 3.27N 126.99E 0 3.9,3.8
¶15957437

IDC Error ellipse: s-maj=101.5km s-min=20.7km az=69.0.
IDC II 27 09 07 05.5–7.6 3.23N 127.02E 0 4.1,3.9b
¶15957440

IDC Error ellipse: s-maj=145.8km s-min=121.0km az=78.0.
IDC II 27 11 36 12.8–1.7 4.01N 126.96E 0 4.0,3.8
¶15957448

IDC Error ellipse: s-maj=92.5km s-min=24.6km az=68.0.
IDC II 27 12 06 05.1–2.1 3.97N 126.81E 0 3.5,3.3
¶15957451

IDC Error ellipse: s-maj=165.3km s-min=25.8km az=66.0.
IDC II 27 14 16 17.9–2.1 4.08N 127.17E 0 3.5,3.3
¶15957457

IDC Error ellipse: s-maj=159.6km s-min=25.4km az=66.0.
IDC II 27 14 37 02.1–1.8 4.05N 127.09E 0 3.6,3.5
¶15957458

IDC Error ellipse: s-maj=98.7km s-min=24.2km az=69.0.
ISC II 27 15 53 38.9–.44 3.71N–.03 126.68E–.05 81–3 4.7b 262 3-131
IDC II 27 15 53 29.2–.42 3.59N 126.60E 0 4.5,4.5 ¶11730472
MOS II 27 15 53 32.3–1.1 3.75N 126.74E 35 5.0b,4.1s
NEIC II 27 15 53 34.0–.36 3.69N 126.78E 35 5.0b,4.1s
ISCJB II 27 15 53 36.3–.40 3.72N–.02 126.74E–.03 73–3 4.6b,4.1s
DJA II 27 15 53 36 3.71N 126.94E 10 4.9b,4.1s
BJI II 27 15 53 39.4 3.94N 126.51E 82 4.9b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=8.5km az=78.0.
MOS Error ellipse: s-maj=15.2km s-min=6.8km az=113.5.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.1km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.4km az=159.2.
ISC II 27 16 06 23.2–.67 3.68N–.07 126.8E–.10 48 4.0b 20 3-100
IDC II 27 16 06 16.2–.73 3.64N 126.65E 0 4.2,4.1b ¶12702018
ISCJB II 27 16 06 21.5–.50 3.72N–.05 126.89E–.09 48 4.0b,4.1b
DJA II 27 16 06 21.1–2.5 4N–25 127E–7.0 10 4.7b,4.7b
ISC Event type ke.
ISCJB Event type ke.
ISC II 27 16 57 49.2–.69 4.0N–.10 126.8E–.20 45 3.9b 20 3-123
IDC II 27 16 57 42.8–.64 4.00N 126.60E 0 4.1,4.0 ¶15957464
ISCJB II 27 16 57 47.3–.54 3.98N–.08 126.7E–.10 45 4.0b,3.3s
ISC Event type ke.
ISCJB Event type ke.
IDC II 27 17 46 51.9–1.9 4.54N 127.46E 0 3.7,3.5
¶15957468

IDC Error ellipse: s-maj=184.7km s-min=20.7km az=66.0.
IDC II 27 18 08 23.7–1.2 3.05N 126.00E 0 3.8,3.7b
¶15957469

IDC Error ellipse: s-maj=142.7km s-min=18.8km az=67.0.
ISC II 27 18 31 53.8–.47 3.41N–.07 126.7E–.10 53 4.4b,3.8s 65 4-123
IDC II 27 18 31 46.2–.53 3.32N 126.63E 0 4.3,4.2 ¶12702034
ISCJB II 27 18 31 51.5–.33 3.29N–.06 126.56E–.10 53 4.3b,3.7s
NEIC II 27 18 31 51.3–.26 3.28N 126.60E 35 4.5b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=9.4km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=6.6km az=157.5.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.6km az=70.0.
IDC II 27 19 16 15.7–2.1 3.77N 126.98E 0 3.3,3.1
¶15957471

IDC Error ellipse: s-maj=164.1km s-min=25.7km az=66.0.
IDC II 27 19 35 27.2–1.2 3.61N 126.56E 0 3.7,3.6
¶15957472

IDC Error ellipse: s-maj=137.6km s-min=17.2km az=67.0.
ISC II 27 19 38 33.7–.39 3.62N–.05 126.68E–.07 53 4.4b,3.3s 96 3-157
IDC II 27 19 38 26.2–.57 3.57N 126.54E 0 4.3,4.2 ¶11730718
MOS II 27 19 38 29.7–1.3 3.53N 126.50E 33 4.7b,4.2
NEIC II 27 19 38 31.3–.39 3.56N 126.65E 35 4.5b,4.2
ISCJB II 27 19 38 31.8–.25 3.64N–.03 126.71E–.05 53 4.4b,3.5s
BJI II 27 19 38 31.2 3.50N 126.70E 52 4.8b,4.6b
DJA II 27 19 38 36 3.39N 126.80E 10 4.7,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=12.1km az=73.0.
MOS Error ellipse: s-maj=23.9km s-min=8.1km az=115.5.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=6.9km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.6km az=161.9.
IDC II 27 19 45 21.9–2.2 3.93N 126.66E 0 3.5,3.4
¶15957473

IDC Error ellipse: s-maj=188.6km s-min=27.2km az=65.0.
IDC II 27 20 38 46.5–1.0 3.84N 126.77E 0 3.8,3.7
¶16166708

IDC Error ellipse: s-maj=66.5km s-min=14.4km az=68.0.
ISC II 27 20 39 38.9–.67 3.83N–.09 126.7E–.20 45 4.2b 38 3-92
IDC II 27 20 39 32.4–.79 3.81N 126.62E 0 4.1,4.0 ¶12702042
ISCJB II 27 20 39 36.6–.51 3.82N–.08 126.8E–.10 45 4.2b,3.1s
NEIC II 27 20 39 37.3–.44 3.79N 126.65E 35 4.4b,3.1s
MAN II 27 20 40 27 6.95N 124.96E 79 4.3b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=14.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=7.9km az=157.5.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=7.2km az=69.0.
ISC II 27 20 39 57.4–.52 3.69N–.09 126.6E–.20 53 4.5b 50 4-100
IDC II 27 20 39 50.4–.62 3.71N 126.66E 0 4.4,4.3 ¶15957475
DJA II 27 20 39 51 3.82N 128.12E 142 4.6b,4.3
ISCJB II 27 20 39 55.8–.41 3.71N–.07 126.6E–.10 53 4.4b,4.3
NEIC II 27 20 39 55.6–.28 3.69N 126.60E 35 4.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=13.5km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=9.0km az=164.8.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.3km az=74.0.
IDC II 27 20 47 10.8–4.4 3.16N 126.27E 0 3.9,3.7
¶15957477

IDC Error ellipse: s-maj=171.4km s-min=67.6km az=72.0.
ISC II 28 01 43 32.5–.27 3.66N–.03 126.67E–.04 41–1 5.2b,4.7s 574 3-162
BJI II 28 01 43 25.1 3.07N 126.87E 35 5.2b,5.0b ¶11730724
IDC II 28 01 43 26.7–.39 3.64N 126.59E 0 4.9,4.9
MOS II 28 01 43 30.1–1.0 3.69N 126.61E 33 5.4b,4.7s
NEIC II 28 01 43 32.0–.15 3.67N 126.63E 35 5.2b,4.7s
ISCJB II 28 01 43 33.5–.39 3.68N–.02 126.74E–.03 64–3 5.1b,4.7s
DJA II 28 01 43 37 3.61N 126.89E 71 5.0W,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=15.9km s-min=9.5km az=73.0.
MOS Error ellipse: s-maj=9.8km s-min=4.8km az=116.1.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.7km az=68.0. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=162.8.
IDC II 28 02 11 34.6–1.3 3.62N 126.89E 0 3.7,3.5

¶15957502

IDC Error ellipse: s-maj=130.6km s-min=22.0km az=68.0.
IDC II 28 02 18 48.0–1.1 4.00N 127.02E 0 3.8,3.7

¶15957503

IDC Error ellipse: s-maj=105.6km s-min=15.0km az=71.0.
ISC II 28 02 46 56.4–.33 3.82N–.03 126.75E–.05 34–1 5.0b,4.0s 545 3-169
BJI II 28 02 46 51.4 3.41N 126.79E 36 5.0b,4.9b **¶11730726**
IDC II 28 02 46 51.2–.35 3.86N 126.67E 0 4.9,4.8b
NEIC II 28 02 46 52.1–2.6 3.84N 126.68E 7–15 5.0b,4.8b
ISCJB II 28 02 46 54.3–.17 3.91N–.02 126.82E–.04 32 5.0b,4.0s
MOS II 28 02 46 54.9–1.0 3.84N 126.60E 33 5.2b,4.0s
DJA II 28 02 47 02 3.78N 126.91E 89 4.9b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=9.8km az=76.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.2km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.9km az=163.0.
MOS Error ellipse: s-maj=11.8km s-min=5.1km az=118.8.
ISC II 28 02 51 21.0–.55 3.8N–.10 126.7E–.20 45 4.2b 41 22-161
IDC II 28 02 51 14.8–.96 3.80N 126.66E 0 4.3,4.2 **¶12702069**
ISCJB II 28 02 51 19.1–.42 3.8N–.10 126.6E–.20 45 4.3b,4.2
NEIC II 28 02 51 19.8–.33 3.82N 126.69E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=91.3km s-min=14.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=31.2km s-min=7.6km az=154.4.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=6.4km az=65.0.
IDC II 28 04 57 59.6–1.4 4.14N 126.95E 0 3.7,3.6

¶15957506

IDC Error ellipse: s-maj=195.4km s-min=16.7km az=68.0.
ISC II 28 05 20 14.2–.90 3.95N–.08 126.85E–.10 36 3.9b,3.3s 15 1-99
IDC II 28 05 20 07.8–1.1 4.09N 127.28E 0 4.0,3.8b **¶12702078**
ISCJB II 28 05 20 12.2–.65 3.99N–.06 126.83E–.07 36 3.8b,3.4s
DJA II 28 05 20 19.1–.70 4N–6.0 127E–4.0 46–13 5.0b,4.6
ISC Event type ke.
ISCJB Event type ke.
IDC II 28 06 59 31.6–1.2 3.59N 126.97E 0 3.7,3.6

¶15957508

IDC Error ellipse: s-maj=184.8km s-min=17.9km az=69.0.
IDC II 28 08 56 29.3–4.4 3.44N 127.53E 0 4.0,3.8

¶15957511

IDC Error ellipse: s-maj=183.5km s-min=68.2km az=75.0.
ISC II 28 09 49 16.0–.66 4.08N–.10 127.0E–.20 36 4.1b 27 4-123
IDC II 28 09 49 10.8–.71 4.08N 126.82E 0 4.0,3.9 **¶12702089**
ISCJB II 28 09 49 13.8–.48 4.12N–.07 126.9E–.20 36 4.1b,3.0s
NEIC II 28 09 49 15.8–.42 4.09N 126.93E 35 4.5b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=14.2km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=8.9km az=168.2.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=8.1km az=77.0.
ISC II 28 10 50 22.6–.24 3.88N–.02 126.58E–.03 40–1 5.3b,4.6s 658 1-169
BJI II 28 10 50 17.7 3.45N 126.58E 39 5.1b,5.1b **¶13435193**
MOS II 28 10 50 20.4–.96 3.88N 126.44E 33 5.5b,4.5s
IDC II 28 10 50 21.7–1.8 3.85N 126.46E 32–12 4.8,4.8
NEIC II 28 10 50 22.1–.13 3.83N 126.48E 35 5.4b,4.8
TEH II 28 10 50 22.0 3.91N 126.69E 35 5.4L,4.8
ISCJB II 28 10 50 23.6–.37 3.87N–.02 126.63E–.02 65–3 5.2b,4.8
DJA II 28 10 50 27 3.75N 126.74E 71 5.2W,4.8
ISC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=4.8km az=116.2.
IDC Error ellipse: s-maj=15.0km s-min=8.7km az=72.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.2km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.8km az=161.6.
IDC II 28 11 58 08.7–1.4 3.94N 126.63E 0 3.4,3.3

¶15957515

IDC Error ellipse: s-maj=143.6km s-min=21.6km az=70.0.
ISC II 28 12 24 14.6–.53 3.84N–.03 126.62E–.04 63–4 4.9b 312 1-157
BJI II 28 12 24 03.5 2.98N 126.99E 48 4.9b,4.9b **¶11730790**
MOS II 28 12 24 09.3–.95 3.85N 126.42E 33 5.1b,4.9b
IDC II 28 12 24 10.7–2.3 3.83N 126.45E 31–16 4.5,4.5
NEIC II 28 12 24 12.9–.91 3.90N 126.52E 49–8 5.0b,4.5
ISCJB II 28 12 24 12.6–.43 3.84N–.02 126.63E–.03 65–4 4.8b,4.5
DJA II 28 12 24 17 3.77N 126.77E 81 5.0b,4.5
ISC Event type fe.
MOS Error ellipse: s-maj=11.9km s-min=5.6km az=114.7.
IDC Error ellipse: s-maj=16.6km s-min=9.1km az=78.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.2km az=70.0. Felt [II] at Melonguanne.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.3km az=160.8.
IDC II 28 13 40 54.0–2.0 3.89N 126.61E 0 3.3,3.2

¶15957520

IDC Error ellipse: s-maj=199.4km s-min=21.7km az=66.0.
IDC II 28 13 55 19.0–1.9 4.08N 126.88E 0 3.5,3.3

¶15957522

IDC Error ellipse: s-maj=106.6km s-min=24.5km az=70.0.
IDC II 28 14 51 39.1–1.2 3.93N 126.54E 0 3.9,3.8

¶15957527

IDC Error ellipse: s-maj=122.4km s-min=17.8km az=67.0.
IDC II 28 14 52 28.8–.82 3.93N 126.70E 0 4.0,4.0

¶15957530

IDC Error ellipse: s-maj=56.8km s-min=15.1km az=74.0.
IDC II 28 16 30 41.5–2.1 4.42N 126.83E 0 3.5,3.3b

¶15957535

IDC Error ellipse: s-maj=161.9km s-min=26.3km az=66.0.
IDC II 28 18 01 32.9–1.1 3.67N 126.76E 0 4.1,3.9

¶15957537

IDC Error ellipse: s-maj=106.6km s-min=15.4km az=71.0.
IDC II 28 21 04 28.5–1.0 4.09N 126.83E 0 4.6s,4.6

¶15957549

IDC Error ellipse: s-maj=69.9km s-min=14.9km az=68.0.
ISC II 28 21 37 41.0–.83 3.66N–.06 126.6E–.10 34–2 4.6b 123 3-149
ISCJB II 28 21 37 38.8–.33 3.60N–.05 126.61E–.08 33 4.6b,3.8s **¶11730988**
MOS II 28 21 37 38.8–.82 3.62N 126.58E 33 4.9b,3.8s
NEIC II 28 21 37 40.8–.21 3.61N 126.63E 35 4.6b,3.8s
IDC II 28 21 37 40.8–2.9 3.61N 126.52E 32–20 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.8km az=157.5.
MOS Error ellipse: s-maj=19.2km s-min=7.2km az=116.2.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.4km az=58.0.
IDC Error ellipse: s-maj=27.9km s-min=10.2km az=76.0.
IDC II 28 23 23 44.4–1.6 2.04N 125.55E 0 4.0,3.8

¶15957556

IDC Error ellipse: s-maj=107.7km s-min=22.3km az=66.0.
ISC III 01 01 23 49.7–.56 3.8N–.10 127.2E–.20 48 4.3b 43 4-123
IDC III 01 01 23 42.7–.90 3.79N 127.28E 0 4.2,4.1b **¶12702158**
ISCJB III 01 01 23 48.0–.37 3.71N–.07 127.0E–.10 48 4.3b,4.1b
NEIC III 01 01 23 48.4–.34 3.73N 127.10E 35 4.4b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=62.2km s-min=13.8km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=6.9km az=154.6.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=6.6km az=64.0.
IDC III 01 06 51 36.0–1.7 3.89N 126.41E 0 3.8,3.7

¶12702166

IDC Error ellipse: s-maj=105.8km s-min=22.3km az=68.0.
IDC III 01 12 52 38.8–1.1 3.56N 127.04E 0 4.0,3.9

¶12702191

IDC Error ellipse: s-maj=66.5km s-min=14.9km az=68.0.
IDC III 01 18 21 04.1–1.9 3.72N 126.57E 0 3.6s,3.6

¶12702208

IDC Error ellipse: s-maj=149.4km s-min=26.0km az=65.0.
ISC III 01 19 12 32.7–.67 3.80N–.09 126.6E–.20 53 4.1b 29 3-90
IDC III 01 19 12 25.5–.80 3.78N 126.53E 0 4.0,3.9 **¶12702210**
ISCJB III 01 19 12 30.7–.51 3.75N–.07 126.6E–.20 53 4.1b,3.9
NEIC III 01 19 12 30.7–.51 3.67N 126.46E 35 4.6b,3.9

ISC Event type se.
IDC Error ellipse: s-maj=56.2km s-min=14.8km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=7.0km az=162.8.
NEIC Event type se. Error ellipse: s-maj=31.1km s-min=9.5km az=66.0.
IDC III 01 21 02 34.0–1.1 3.62N 126.85E 0 3.9,3.8b

¶12702216

IDC Error ellipse: s-maj=85.5km s-min=18.8km az=65.0.
ISC III 01 21 30 12.7–.44 3.60N–.05 127.02E–.08 48 4.4b,3.9s 96 3-123
BJI III 01 21 30 01.9 3.21N 127.38E 10 4.8b,4.4s **¶11731098**
IDC III 01 21 30 05.8–.68 3.54N 126.80E 0 4.2,4.1
ISCJB III 01 21 30 10.5–.30 3.63N–.04 127.06E–.07 48 4.4b,3.9s
NEIC III 01 21 30 10.0–.31 3.80N 127.27E 35 4.6b,3.9s
DJA III 01 21 30 13.1–3.1 4N–31 127E–7.0 102–22 5.0b,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 01 22 08 56.2–2.1 4.81N 126.26E 0 3.8,3.6b

¶12702218

IDC Error ellipse: s-maj=199.3km s-min=23.9km az=65.0.
ISC III 02 02 50 09.8–.56 3.87N–.06 126.6E–.20 45 4.1b,3.1s 27 3-123
IDC III 02 02 50 03.8–.56 3.87N 126.22E 0 5.8L,4.1 **¶15153013**
ISCJB III 02 02 50 07.7–.45 3.88N–.04 126.6E–.10 45 4.0b,3.0s
AUST III 02 02 50 47.0 2.00N 127.00E 300 4.0b,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=10.7km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=6.0km az=174.2.
IDC III 02 06 10 21.1–10 3.64N 127.59E 0 4.0,3.8

¶12702239

IDC Error ellipse: s-maj=177.7km s-min=137.9km az=158.0.
IDC III 02 07 26 43.9–1.1 3.39N 126.78E 0 4.0,3.9

¶12702242

IDC Error ellipse: s-maj=106.2km s-min=14.3km az=70.0.
IDC III 02 10 05 56.7–2.0 3.82N 127.03E 0 3.6,3.4b

¶12702253

IDC Error ellipse: s-maj=150.0km s-min=25.4km az=66.0.
IDC III 02 14 03 55.1–2.2 4.01N 126.67E 0 3.3,3.2

¶12702266

IDC Error ellipse: s-maj=177.1km s-min=27.4km az=66.0.
IDC III 02 14 40 08.6–2.4 4.76N 127.49E 0 3.5,3.3b

¶12702272

IDC Error ellipse: s-maj=169.7km s-min=28.0km az=67.0.
ISC III 02 15 12 39.3–.41 3.94N–.04 125.89E–.06 107 4.2b 58 2-122
IDC III 02 15 12 41.8–1.6 3.93N 125.67E 132–14 3.9,3.8b **¶15153015**
AUST III 02 15 12 55.0 3.00N 126.00E 200 3.9,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=9.4km az=74.0.
ISC III 02 21 07 45.8–.71 3.7N–.10 126.5E–.20 53 4.0b 25 3-92
IDC III 02 21 07 38.9–.98 3.69N 126.41E 0 4.1,3.9b **¶12702298**
ISCJB III 02 21 07 43.8–.51 3.71N–.08 126.4E–.20 53 4.0b,3.9b
NEIC III 02 21 07 44.2–.41 3.62N 126.40E 35 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=69.7km s-min=14.5km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=31.0km s-min=7.0km az=161.6.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=7.1km az=69.0.
IDC III 03 04 10 15.5–1.5 3.98N 126.80E 0 3.5,3.4b

¶12702325

IDC Error ellipse: s-maj=133.4km s-min=25.4km az=68.0.
ISC III 03 05 35 50.7–.60 4.08N–.08 126.9E–.10 36 4.2b 34 3-72
AUST III 03 05 35 43.5–4.9 4.29N 127.39E 0–0 4.2b **¶15153032**
IDC III 03 05 35 44.9–.86 4.02N 126.85E 0 4.2,4.0
NEIC III 03 05 35 50.5–.47 4.01N 126.78E 35 4.2b,4.0
ISC Event type se.
AUST Error ellipse: s-maj=1.5km s-min=1.2km az=310.0.
IDC Error ellipse: s-maj=52.6km s-min=14.5km az=72.0.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=8.3km az=67.0.
IDC III 03 10 32 24.5–2.0 3.54N 126.24E 0 3.7,3.5b

¶12702337

IDC Error ellipse: s-maj=134.8km s-min=25.0km az=69.0.
IDC III 03 14 34 54.6–2.7 3.55N 126.53E 0 3.6,3.4b

¶12702356

IDC Error ellipse: s-maj=246.7km s-min=27.8km az=66.0.
IDC III 03 22 09 18.3–1.9 3.53N 126.81E 0 3.8,3.6b

¶12702386

IDC Error ellipse: s-maj=172.1km s-min=25.8km az=64.0.
IDC III 03 22 52 06.6–1.2 3.27N 126.45E 0 3.8,3.7

¶12702387

IDC Error ellipse: s-maj=97.3km s-min=18.1km az=71.0.
IDC III 04 01 32 40.4–1.4 4.28N 126.78E 0 3.7,3.5b

¶12702393

IDC Error ellipse: s-maj=107.7km s-min=19.1km az=73.0.
IDC III 04 10 38 44.5–.61 3.88N 126.85E 0 4.2,4.1

¶12702415

IDC Error ellipse: s-maj=32.3km s-min=12.6km az=77.0.
IDC III 04 10 46 01.4–1.7 4.12N 127.35E 0 3.7,3.5b

¶12702416

IDC Error ellipse: s-maj=95.8km s-min=23.3km az=69.0.
IDC III 04 16 25 45.8–1.4 4.03N 126.99E 0 3.7,3.6

¶12702435

IDC Error ellipse: s-maj=94.6km s-min=18.4km az=69.0.
IDC III 04 17 30 04.2–2.5 3.88N 126.72E 0 3.5,3.3b

¶12702439

IDC Error ellipse: s-maj=219.2km s-min=26.3km az=66.0.
IDC III 04 19 45 22.5–1.8 3.98N 126.79E 0 3.7,3.5b

¶12702448

IDC Error ellipse: s-maj=156.5km s-min=22.1km az=66.0.
ISC III 05 04 42 48.3–.69 3.6N–.10 126.8E–.30 48 4.1b 29 4-149
IDC III 05 04 42 41.9–.79 3.59N 126.83E 0 4.1,4.0 **¶12702473**
ISCJB III 05 04 42 46.3–.53 3.59N–.09 126.8E–.30 48 4.0b,3.7s
NEIC III 05 04 42 46.9–1.3 3.58N 126.76E 35–13 4.1b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=69.6km s-min=15.4km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=40.1km s-min=7.1km az=163.8.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=6.4km az=73.0.
IDC III 05 06 25 03.1–.75 3.96N 126.95E 0 4.0,3.9

¶12702476

IDC Error ellipse: s-maj=47.1km s-min=14.5km az=69.0.
IDC III 05 07 29 37.7–34 4.58N 127.07E 0 4.0,3.9b

¶12702480

IDC Error ellipse: s-maj=569.1km s-min=149.4km az=161.0.
ISC III 05 10 57 00.6–.32 3.73N–.04 127.01E–.06 48 4.5b,3.9s 144 3-123
IDC III 05 10 56 53.2–.43 3.72N 126.89E 0 4.4,4.4 **¶15153055**
BJI III 05 10 56 57.3 3.81N 127.10E 31 5.0b,4.8b
ISCJB III 05 10 56 58.4–.24 3.73N–.03 127.04E–.04 48 4.5b,3.9s
AUST III 05 10 57 01.0–.97 3.56N 126.87E 52–0 4.5b,3.9s
DJA III 05 10 57 01.9–.90 4N–8.0 127E–5.0 50–9 5.2b,4.7
NEIC III 05 10 57 02.2–1.1 3.72N 126.95E 69–9 4.5b,4.7
ISC Event type ke.
IDC Error ellipse: s-maj=23.8km s-min=8.9km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=161.5.
AUST Error ellipse: s-maj=1.3km s-min=1.2km az=230.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.4km az=75.0.
IDC III 05 17 36 19.5–2.2 3.02N 126.34E 0 3.3,3.1b

¶12702505

IDC Error ellipse: s-maj=191.5km s-min=26.1km az=66.0.
IDC III 05 19 24 26.0–1.4 4.10N 127.00E 0 3.3,3.2b

¶12702511

IDC Error ellipse: s-maj=137.3km s-min=21.7km az=70.0.
IDC III 05 19 54 13.2–1.7 4.11N 127.28E 0 3.8,3.6b

¶12702513

IDC Error ellipse: s-maj=95.1km s-min=23.1km az=68.0.
IDC III 05 19 54 39.0–1.1 3.94N 126.98E 0 4.1,4.0

¶12702514
IDC Error ellipse: s-maj=68.1km s-min=16.3km az=73.0.
IDC III 05 21 49 44.6–1.3 4.40N 127.36E 0 3.5,3.4s
¶12702522
IDC Error ellipse: s-maj=137.4km s-min=20.4km az=68.0.
ISC III 06 00 44 59.2–.61 4.01N–.07 126.6E–.10 45 4.1b,3.5s 34 3-123
IDC III 06 00 44 52.6–.68 4.12N 126.62E 0 4.2,4.1 ¶15153084
ISCJB III 06 00 44 57.6–.48 3.99N–.06 126.5E–.10 45 4.1b,3.4s
AUST III 06 00 45 03.4 4.00N 127.51E 100 4.1b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=13.6km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=7.0km az=160.2.
IDC III 06 02 10 51.1–1.4 3.54N 126.38E 0 3.9,3.8b
¶12702533
IDC Error ellipse: s-maj=108.3km s-min=17.7km az=68.0.
IDC III 06 02 13 02.4–1.2 3.80N 127.01E 0 3.9,3.8
¶12702534
IDC Error ellipse: s-maj=68.9km s-min=15.8km az=67.0.
ISC III 06 02 48 36.7–2.7 3.99N–.07 126.80E–.10 0–16 4.5b 88 4-123
AUST III 06 02 48 26.0 5.00N 126.51E 0 4.5b ¶15153074
IDC III 06 02 48 36.7–.54 3.91N 126.76E 0 4.4,4.4
ISCJB III 06 02 48 40.1–.29 3.94N–.04 126.77E–.06 33 4.5b,4.4
NEIC III 06 02 48 41.9–.19 3.90N 126.73E 35 4.5b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=12.7km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.7km az=164.3.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.0km az=62.0.
IDC III 06 02 49 24.5–1.4 4.20N 127.36E 0 4.4,4.3
¶15153082
IDC Error ellipse: s-maj=93.6km s-min=21.6km az=72.0.
ISC III 06 06 16 18.3–.37 3.86N–.04 127.01E–.07 36 4.5b,3.8s 132 3-123
IDC III 06 06 16 12.5–.53 3.76N 126.55E 0 4.3,4.3 ¶15153073
DJA III 06 06 16 15.6–1.2 4N–10 127E–7.0 10 5.8b,5.3
ISCJB III 06 06 16 16.5–.27 3.84N–.03 126.99E–.05 36 4.4b,3.8s
NEIC III 06 06 16 17.7–.38 3.85N 126.86E 35 4.5b,3.8s
BJI III 06 06 16 19.7 4.29N 126.82E 32 5.2b,4.7b
MAN III 06 06 16 31 4.44N 126.13E 85 4.8b,3.7s
AUST III 06 06 16 59.0 1.50N 126.50E 300 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=11.7km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.6km az=170.8.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.9km az=62.0.
IDC III 06 11 39 07.6–7.6 3.32N 127.28E 0 3.8,3.6b
¶12702560
IDC Error ellipse: s-maj=133.8km s-min=121.4km az=83.0.
IDC III 06 18 36 33.4–2.1 3.43N 126.10E 0 3.4,3.2b
¶12702582
IDC Error ellipse: s-maj=183.3km s-min=25.2km az=65.0.
ISC III 06 22 45 13.9–.43 4.16N–.06 126.87E–.07 36 4.4b,3.6s 95 3-123
IDC III 06 22 45 08.2–.56 4.02N 126.60E 0 4.3,4.3 ¶15153079
ISCJB III 06 22 45 11.8–.30 4.15N–.04 126.83E–.05 36 4.4b,4.1s
NEIC III 06 22 45 13.0–.26 3.98N 126.68E 35 4.3b,4.1s
AUST III 06 22 45 18.6–1.2 3.98N 127.02E 95–0 4.3b,4.1s
DJA III 06 22 45 19.0–.90 4N–8.0 127E–6.0 87–9 4.8b,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 07 04 50 25.6–1.0 3.96N 126.87E 0 3.8,3.7
¶12702614
IDC Error ellipse: s-maj=85.6km s-min=15.7km az=70.0.
IDC III 07 10 53 16.4–2.2 3.41N 125.79E 0 3.3,3.2
¶12702636
IDC Error ellipse: s-maj=196.7km s-min=27.1km az=65.0.
IDC III 07 11 26 32.3–2.3 4.05N 127.50E 0 3.4,3.2b
¶12702639
IDC Error ellipse: s-maj=168.8km s-min=27.8km az=66.0.
IDC III 07 11 34 58.7–2.4 4.14N 126.63E 0 3.5,3.3b
¶12702640
IDC Error ellipse: s-maj=190.3km s-min=28.7km az=66.0.
IDC III 07 14 02 09.4–1.8 3.83N 127.15E 0 3.7,3.5b
¶12702644
IDC Error ellipse: s-maj=102.7km s-min=23.8km az=69.0.
ISC III 07 17 29 47.4–.77 4.1N–.10 127.1E–.10 36 4.1b 28 4-72
IDC III 07 17 29 42.3–1.2 4.18N 127.17E 0 4.2,4.0 ¶12702648
ISCJB III 07 17 29 45.6–.59 4.10N–.08 127.0E–.10 36 4.3s,4.2b
NEIC III 07 17 29 47.5–.51 4.09N 127.05E 35 4.1b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=72.1km s-min=14.8km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=8.3km az=152.9.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=7.5km az=63.0.
IDC III 07 17 33 09.1–1.4 4.04N 126.98E 0 3.9,3.8
¶12702649
IDC Error ellipse: s-maj=92.5km s-min=18.0km az=68.0.
IDC III 07 18 02 23.9–2.1 3.92N 126.58E 0 3.7,3.5b
¶12702651
IDC Error ellipse: s-maj=191.4km s-min=24.9km az=65.0.
IDC III 07 18 06 45.9–1.8 4.00N 126.88E 0 3.7,3.5b
¶12702652
IDC Error ellipse: s-maj=146.1km s-min=23.7km az=65.0.
IDC III 07 19 18 38.1–1.9 4.13N 127.05E 0 3.7,3.6b
¶12702658
IDC Error ellipse: s-maj=143.2km s-min=23.9km az=65.0.
IDC III 07 20 07 51.4–1.9 3.03N 127.84E 0 3.7,3.5
¶12702661
IDC Error ellipse: s-maj=131.1km s-min=24.4km az=66.0.
ISC III 07 21 19 50.0–.38 3.87N–.03 126.80E–.05 34–1 4.7b,4.1s 316 3-157
IDC III 07 21 19 45.0–.42 3.85N 126.57E 0 4.5,4.5 ¶11788792
BJI III 07 21 19 46.6 3.56N 126.83E 43 5.0b,4.8b
ISCJB III 07 21 19 48.0–.21 3.97N–.02 126.93E–.03 34 4.7b,4.1s
NEIC III 07 21 19 50.0–.24 3.93N 126.71E 35 4.9b,4.1s
MOS III 07 21 19 49.6–.89 4.19N 126.62E 33 5.0b,4.1s
DJA III 07 21 19 55.6–.40 4N–3.0 127E–3.0 82–5 5.2b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 08 01 26 32.6–2.1 4.00N 126.92E 0 3.7,3.5b
¶12702675
IDC Error ellipse: s-maj=148.0km s-min=27.3km az=66.0.
ISC III 08 06 05 54.8–.97 3.9N–.10 126.9E–.20 37–3 4.2b 41 3-123
IDC III 08 06 05 49.5–.81 3.84N 126.78E 0 4.4,4.3b ¶12702689
ISCJB III 08 06 05 53.6–1.7 3.92N–.09 127.0E–.20 47–14 4.3b,4.3b
NEIC III 08 06 05 54.1–.49 3.95N 127.11E 35 4.3b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=60.1km s-min=13.9km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=33.0km s-min=10.4km az=157.8.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=8.0km az=68.0.
IDC III 08 07 29 17.1–2.0 3.29N 126.54E 0 3.9,3.7
¶12702697
IDC Error ellipse: s-maj=182.1km s-min=24.0km az=65.0.
IDC III 08 08 30 33.7–.77 3.52N 126.72E 0 4.2,4.1
¶12702700
IDC Error ellipse: s-maj=61.8km s-min=15.9km az=77.0.
ISC III 08 13 09 46.1–.74 3.6N–.10 126.7E–.20 53 3.8b 17 4-91
IDC III 08 13 09 38.4–.69 3.61N 126.82E 0 4.1,3.9 ¶12702718
ISCJB III 08 13 09 44.0–.64 3.5N–.10 126.7E–.20 53 3.9b,3.9
MAN III 08 13 10 34 7.18N 124.72E 96 4.1b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=46.5km s-min=11.9km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=31.6km s-min=8.5km az=155.6.
IDC III 08 15 43 49.1–1.9 3.81N 126.11E 0 3.6,3.4
¶12702730
IDC Error ellipse: s-maj=176.0km s-min=23.7km az=64.0.
IDC III 08 16 06 53.0–1.9 4.20N 127.28E 0 3.6,3.5b
¶12702733
IDC Error ellipse: s-maj=144.9km s-min=23.8km az=65.0.
IDC III 08 17 38 12.9–1.1 3.80N 126.61E 0 3.8,3.6b
¶12702742
IDC Error ellipse: s-maj=88.2km s-min=17.4km az=72.0.
IDC III 08 22 03 15.5–2.0 4.00N 127.01E 0 3.6,3.4b
¶12702759
IDC Error ellipse: s-maj=150.5km s-min=25.3km az=66.0.
IDC III 08 22 14 46.5–1.4 3.98N 126.47E 0 3.7,3.5b
¶12702760
IDC Error ellipse: s-maj=122.8km s-min=23.8km az=68.0.
IDC III 08 23 11 49.2–1.1 4.08N 126.42E 0 3.8,3.7b
¶12702764
IDC Error ellipse: s-maj=121.9km s-min=16.9km az=67.0.
IDC III 09 07 22 23.1–1.8 3.07N 126.12E 0 3.7,3.6b
¶12702780
IDC Error ellipse: s-maj=165.0km s-min=23.6km az=64.0.
IDC III 09 10 40 36.6–2.2 4.52N 127.42E 0 3.4,3.3b
¶12702790
IDC Error ellipse: s-maj=168.5km s-min=25.4km az=66.0.
IDC III 09 17 10 44.9–.74 3.62N 126.77E 0 3.9,3.8b
¶12702809
IDC Error ellipse: s-maj=51.3km s-min=13.8km az=69.0.
IDC III 09 17 37 26.1–2.0 3.93N 126.90E 0 3.6,3.4
¶12702811
IDC Error ellipse: s-maj=106.6km s-min=25.8km az=70.0.
ISC III 09 18 07 30.8–.74 3.71N–.06 126.89E–.09 48 3.8b 19 3-62
IDC III 09 18 07 24.6–.81 3.58N 126.60E 0 4.9L,3.9 ¶12702813
ISCJB III 09 18 07 28.5–.57 3.72N–.04 126.95E–.08 48 3.8b,3.4s
DJA III 09 18 07 52.7–.50 1N–8.0 126E–4.0 10 3.2,3.2
ISC Event type ke.
ISCJB Event type ke.
IDC III 09 18 25 15.3–2.2 3.54N 126.92E 0 3.3,3.2s
¶12702814
IDC Error ellipse: s-maj=170.3km s-min=27.8km az=66.0.
ISC III 09 20 48 36.8–.74 3.63N–.07 126.9E–.10 48 3.9b,3.5s 15 3-74
IDC III 09 20 48 29.7–1.0 3.60N 126.89E 0 3.9,3.8 ¶12702821
ISCJB III 09 20 48 34.6–.61 3.71N–.06 127.02E–.09 48 3.8b,3.5s
DJA III 09 20 48 36.5–1.1 4N–10 127E–7.0 10 4.8b,4.4b
ISC Event type ke.
ISCJB Event type ke.
IDC III 09 21 10 23.4–1.8 2.83N 125.48E 0 3.4,3.3
¶12702823
IDC Error ellipse: s-maj=124.9km s-min=23.5km az=68.0.
IDC III 10 07 33 22.9–.93 4.61N 126.88E 0 4.0,3.9
¶12702855
IDC Error ellipse: s-maj=58.0km s-min=16.6km az=79.0.
IDC III 10 09 11 30.8–2.1 4.32N 126.61E 0 3.5,3.3
¶12702858
IDC Error ellipse: s-maj=192.4km s-min=26.7km az=64.0.
ISC III 10 12 13 48.2–.60 3.87N–.06 126.93E–.10 36 4.1b 49 3-123
ISCJB III 10 12 13 45.9–.48 3.97N–.05 127.04E–.08 36 4.1b,3.6s ¶15153140
IDC III 10 12 13 48.8–5.6 3.72N 126.47E 38–49 4.1,3.9
NEIC III 10 12 13 48.3–.42 3.72N 126.51E 35 4.1b,3.9
AUST III 10 12 13 52.4–2.8 3.49N 126.74E 60–1 4.1b,3.9
DJA III 10 12 13 53.7–.90 4N–7.0 127E–6.0 54–9 5.0b,4.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 10 12 41 43.3–1.5 3.79N 127.21E 0 3.7,3.6b
¶12702870
IDC Error ellipse: s-maj=97.3km s-min=19.8km az=68.0.
IDC III 10 14 19 16.4–2.4 3.92N 125.93E 0 3.5,3.3b
¶12702877
IDC Error ellipse: s-maj=215.0km s-min=29.3km az=65.0.
ISC III 10 16 05 13.5–.44 4.26N–.05 126.86E–.09 36 4.4b,3.8s 89 3-123
IDC III 10 16 05 07.8–.57 4.15N 126.59E 0 4.3,4.2 ¶15153135
ISCJB III 10 16 05 11.4–.32 4.27N–.04 126.84E–.06 36 4.4b,3.7s
NEIC III 10 16 05 12.9–.28 4.13N 126.60E 35 4.8b,3.7s
BJI III 10 16 05 15.5 4.00N 126.70E 90 5.1b,4.4b
DJA III 10 16 05 16.7–.50 4N–4.0 127E–5.0 10 5.1b,4.8
MAN III 10 16 05 59 7.01N 124.70E 54 4.5b,3.3L
AUST III 10 16 06 41.3 2.00S 127.50E 450 4.5b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=10.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.6km az=160.2.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=5.1km az=64.0.
ISC III 10 16 28 54.3–.76 4.1N–.10 126.5E–.20 45 4.0b 24 4-85
IDC III 10 16 28 47.8–.86 4.25N 126.73E 0 4.1,3.9b ¶12702888
ISCJB III 10 16 28 52.2–.64 4.14N–.10 126.4E–.10 45 3.9b,3.9b
NEIC III 10 16 28 52.9–.46 4.16N 126.54E 35 4.5b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=50.4km s-min=15.4km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=10.2km az=151.1.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=7.6km az=62.0.
IDC III 10 18 12 28.2–1.1 4.42N 127.16E 0 3.9,3.7b
¶12702896
IDC Error ellipse: s-maj=68.4km s-min=14.8km az=68.0.
IDC III 10 18 17 00.8–1.2 4.28N 126.89E 0 3.8,3.7b
¶12702897
IDC Error ellipse: s-maj=73.1km s-min=16.4km az=69.0.
IDC III 10 18 19 42.2–1.2 4.20N 126.68E 0 3.8,3.6b
¶12702898
IDC Error ellipse: s-maj=71.1km s-min=16.4km az=70.0.
IDC III 10 18 29 53.8–1.6 4.17N 126.96E 0 3.7,3.5b
¶12702899
IDC Error ellipse: s-maj=103.3km s-min=19.4km az=70.0.
IDC III 10 19 26 29.5–1.9 4.29N 126.83E 0 3.4,3.3
¶12702909
IDC Error ellipse: s-maj=109.3km s-min=23.9km az=70.0.
ISC III 10 20 22 51.2–.35 3.63N–.03 126.79E–.05 75–2 4.8b 358 3-140
IDC III 10 20 22 41.6–.38 3.59N 126.66E 0 4.9L,4.7 ¶15153136
NEIC III 10 20 22 42.7–2.9 3.63N 126.69E 9–18 5.0b,4.7
MOS III 10 20 22 44.5–1.0 3.63N 126.71E 33 5.0b,4.7
BJI III 10 20 22 48.8 3.60N 126.74E 77 5.0b,4.7b
ISCJB III 10 20 22 48.1–.44 3.65N–.02 126.83E–.03 64–4 4.8b,4.7b
AUST III 10 20 22 53.0–.32 3.52N 126.89E 100–0 4.8b,4.7b
DJA III 10 20 22 54.7–.50 3N–4.0 127E–3.0 89–5 6.2,5.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 10 20 46 01.4–1.4 4.15N 127.24E 0 3.7,3.5b
¶12702917
IDC Error ellipse: s-maj=103.0km s-min=19.2km az=70.0.
IDC III 10 21 44 11.8–1.3 4.06N 127.29E 0 3.6,3.5b
¶12702920
IDC Error ellipse: s-maj=83.1km s-min=20.0km az=66.0.
IDC III 10 22 09 16.6–1.5 4.20N 126.97E 0 3.5,3.4b
¶12702921
IDC Error ellipse: s-maj=136.8km s-min=22.5km az=69.0.
ISC III 11 03 00 31.0–.47 3.53N–.06 126.67E–.09 53 4.2b 60 3-161
DJA III 11 03 00 11.1–1.2 4N–12 128E–6.0 10 5.2b,5.0 ¶12702944
IDC III 11 03 00 23.6–.69 3.56N 126.55E 0 4.2,4.1
ISCJB III 11 03 00 28.9–.35 3.57N–.04 126.70E–.07 53 4.3b,3.7s
NEIC III 11 03 00 29.1–.23 3.51N 126.52E 35 4.6b,3.7s
MAN III 11 03 01 28 7.56N 124.51E 2 3.9b,2.7L
ISC Event type se.
IDC Error ellipse: s-maj=43.3km s-min=13.8km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.4km az=174.1.

NEIC Event type se. Error ellipse: s-maj=14.5km s-min=4.9km az=67.0.
IDC III 11 03 04 06.1–2.0 4.38N 126.71E 0 3.7,3.6
¶12702945

IDC Error ellipse: s-maj=108.6km s-min=25.4km az=70.0.
ISC III 11 06 37 49.3–.37 3.62N–.04 126.58E–.05 41–2 4.7b,4.0s 253 1-167
IDC III 11 06 37 43.2–.40 3.50N 126.40E 0 4.7,4.7 **¶13435964**
BJI III 11 06 37 46.6 3.63N 126.56E 37 5.1b,4.8b
MOS III 11 06 37 46.2–1.4 3.52N 126.36E 33 5.0b,4.8b
NEIC III 11 06 37 48.2–.24 3.58N 126.49E 35 4.7b,4.8b
ISCJB III 11 06 37 49.6–.57 3.62N–.03 126.58E–.04 64–5 4.7b,4.8b
DJA III 11 06 37 54.5–.70 3N–5.0 127E–3.0 76–6 5.4b,4.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 11 07 04 04.0–1.9 3.83N 127.17E 0 3.9,3.8
¶12702955

IDC Error ellipse: s-maj=146.3km s-min=27.8km az=64.0.
IDC III 11 11 16 25.8–1.7 4.31N 127.10E 0 3.9,3.8
¶12702965

IDC Error ellipse: s-maj=93.8km s-min=23.6km az=68.0.
ISC III 11 16 16 26.1–.41 3.58N–.05 126.58E–.06 53 4.4b,3.6s 62 1-157
IDC III 11 16 16 18.8–.48 3.50N 126.43E 0 4.4,4.3 **¶15153159**
ISCJB III 11 16 16 24.2–.28 3.58N–.03 126.63E–.05 53 4.3b,3.6s
BJI III 11 16 16 28.5 4.05N 126.16E 60 4.8b,4.7s
AUST III 11 16 16 30.2–.66 3.53N 126.88E 102–0 4.8b,4.7s
DJA III 11 16 16 34.1–1.1 3N–9.0 127E–5.0 103–14 4.9b,4.6b
ISC Event type ke.
ISCJB Event type ke.
IDC III 11 17 04 43.1–2.0 3.64N 126.73E 0 3.7s,3.7
¶12702988

IDC Error ellipse: s-maj=161.8km s-min=25.4km az=66.0.
IDC III 11 17 09 45.9–2.1 4.12N 126.49E 0 3.4,3.2b
¶12702989

IDC Error ellipse: s-maj=177.6km s-min=26.0km az=66.0.
IDC III 11 17 16 57.5–1.6 4.42N 127.05E 0 3.6,3.5b
¶12702991

IDC Error ellipse: s-maj=153.7km s-min=19.8km az=68.0.
IDC III 11 19 52 03.6–1.2 3.63N 126.71E 0 4.1s,4.1
¶12703003

IDC Error ellipse: s-maj=93.8km s-min=17.5km az=69.0.
IDC III 11 20 56 27.9–2.1 3.14N 125.94E 0 3.5,3.3b
¶12703011

IDC Error ellipse: s-maj=192.9km s-min=25.9km az=65.0.
IDC III 12 10 28 58.9–2.3 4.44N 127.26E 0 3.5,3.3
¶12703063

IDC Error ellipse: s-maj=168.5km s-min=28.0km az=66.0.
IDC III 12 15 57 07.3–2.0 3.19N 125.17E 0 3.4,3.2b
¶12703086

IDC Error ellipse: s-maj=191.2km s-min=26.9km az=64.0.
IDC III 12 20 09 15.8–1.3 3.76N 126.91E 0 3.8,3.7
¶12703106

IDC Error ellipse: s-maj=72.7km s-min=16.6km az=66.0.
IDC III 13 01 03 01.8–8.0 2.13N 125.57E 0 3.6,3.4b
¶12703126

IDC Error ellipse: s-maj=189.3km s-min=126.6km az=71.0.
IDC III 13 05 48 44.0–1.7 4.22N 126.71E 0 3.7,3.5b
¶12703141

IDC Error ellipse: s-maj=98.0km s-min=23.3km az=68.0.
IDC III 13 09 56 49.9–2.1 3.93N 126.79E 0 3.9,3.7b
¶12703154

IDC Error ellipse: s-maj=199.9km s-min=25.3km az=64.0.
ISC III 13 13 09 58.2–.48 3.36N–.04 126.90E–.07 48 4.5b,3.8s 53 3-99
IDC III 13 13 09 51.9–.63 3.25N 126.52E 0 4.5,4.4 **¶12703172**
ISCJB III 13 13 09 56.4–.39 3.42N–.04 126.94E–.06 48 4.4b,3.7s
NEIC III 13 13 09 56.5–.31 3.15N 126.39E 35 4.7b,3.7s
DJA III 13 13 10 00.5–.90 3N–7.0 127E–7.0 10 5.2b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 13 17 58 57.1–2.1 3.74N 126.55E 0 3.3,3.2b
¶12703188

IDC Error ellipse: s-maj=206.8km s-min=22.0km az=66.0.
IDC III 13 23 20 43.2–1.5 3.46N 125.87E 0 3.4,3.3
¶12703204

IDC Error ellipse: s-maj=148.0km s-min=26.2km az=67.0.
IDC III 13 23 23 16.0–2.4 4.09N 126.86E 0 3.5,3.3
¶12703205

IDC Error ellipse: s-maj=207.9km s-min=25.7km az=66.0.
ISC III 14 15 00 12.7–1.5 3.3N–.10 127.96E–.07 84 3.6b 12 3-59
IDC III 14 15 00 02.6–2.0 2.98N 127.57E 0 3.8s,3.8 **¶12703269**
ISCJB III 14 15 00 11.5–1.2 3.3N–.10 127.97E–.06 84 3.4b,3.8
DJA III 14 15 00 17.9–1.2 3N–11 128E–4.0 77–53 4.7b,4.6b
ISC Event type ke.
ISCJB Event type ke.
IDC III 14 16 26 48.7–1.9 3.68N 126.97E 0 4.2s,4.2
¶12703278

IDC Error ellipse: s-maj=155.1km s-min=25.4km az=65.0.
IDC III 14 20 27 38.9–1.8 4.04N 126.84E 0 3.7,3.6
¶12703294

IDC Error ellipse: s-maj=96.8km s-min=25.3km az=68.0.
IDC III 15 11 03 58.5–1.4 4.08N 126.60E 0 3.7,3.6b
¶12703344

IDC Error ellipse: s-maj=144.1km s-min=19.2km az=67.0.
ISC III 15 13 37 43.6–.61 3.77N–.08 126.6E–.10 45 4.1b,3.7s 28 3-123
ISCJB III 15 13 37 42.0–.47 3.71N–.06 126.5E–.10 45 4.1b,3.8s **¶12703352**
IDC III 15 13 37 44.6–2.2 3.75N 126.36E 54–21 4.7L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.7km s-min=6.1km az=156.6.
IDC Error ellipse: s-maj=34.1km s-min=10.5km az=74.0.
IDC III 15 13 40 29.3–1.1 3.64N 126.70E 0 3.8,3.7b
¶12703353

IDC Error ellipse: s-maj=126.4km s-min=19.7km az=69.0.
IDC III 15 18 42 07.5–1.7 3.85N 126.93E 0 3.7,3.5b
¶12703371

IDC Error ellipse: s-maj=105.0km s-min=22.9km az=68.0.
ISC III 16 14 15 56.3–.26 3.73N–.03 126.62E–.03 34–0 6.1b,6.0s 1588 1-169
BJI III 16 14 15 47.8 3.00N 126.89E 35 6.2s,6.2b **¶15153215**
IDC III 16 14 15 50.8–.33 3.79N 126.64E 0 5.9s,5.9
MOS III 16 14 15 53.6–1.2 3.66N 126.69E 33 6.3b,5.9s
ISCJB III 16 14 15 53.6–.10 3.76N–.02 126.80E–.02 30 6.1b,6.0s
NEIC III 16 14 15 56.5–.15 3.81N 126.55E 35 6.5,6.3W
AUST III 16 14 15 56.4–.51 3.63N 126.89E 33–0 6.5,6.3W
TEH III 16 14 15 57.0 3.82N 126.53E 35 6.0L,6.3W
DJA III 16 14 15 59.3–.30 4N–2.0 127E–2.0 61–3 6.5,6.5b
GCMT III 16 14 16 04.0–.10 3.77N 126.68E 20–0 6.3W,6.5b
ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=9.7km az=76.0.
MOS Error ellipse: s-maj=8.4km s-min=4.4km az=116.8.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=177.9.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=5.1km az=70.0. Felt [V] at Melonguanne and in the Kepulauan Talaud; [III] at Marore and Tahuna. Also felt at Manado. Felt [II PIVS] at Davao, Philippines. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ60.00000°,λ25.00000°. NP2: ϕ_s32.00000°,δ69.00000°,λ148.00000°. Principal axes: T Plg38.0000°,Azm351.0000° ; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm85.0000° Moment Tensor Solution. s67 Moment tensor: Scale 10^{18}Nm; M_{rr}0.62 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-0.96 $M_{r\theta}$1.08 $M_{\theta\phi}$0.53 $M_{\phi r}$0.62 Best double couple: NP1:ϕ_e21.00000°,δ70.00000°,λ134.00000°. NP2:ϕ_s130.00000° ,δ48.00000°,λ28.00000°. Principal axes: T 1.8100,Plg46.0000°,Azm335.0000° ; N -0.6100,Plg40.0000°,Azm181.0000°; P -1.2000,Plg13.0000°,Azm80.0000° M_o1.60000×10^{18} Moment Tensor Solution. M_o5.20000×10^{18}
AUST Error ellipse: s-maj=0.6km s-min=0.4km az=44.0.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=121, comp=205, per= 50. Moment Tensor Solution. s127,c303; s93,c153; Moment tensor: Scale 10^{18}Nm; M_{rr}2.01±.02 $M_{\theta\theta}$1.03±.02; $M_{\phi\phi}$-3.04±.02; $M_{r\theta}$2.98±.06; $M_{\theta\phi}$0.45±.02; $M_{\phi r}$1.21±.04; Best double couple: NP1:ϕ_s146.00000°,δ44.00000°,λ31.00000°. NP2:ϕ_s33.00000°,δ69.00000°,λ129.00000°. Principal axes: T 4.7300,Plg49.0000°,Azm346.0000°; N -1.4000,Plg36.0000°,Azm196.0000° ; P -3.3300,Plg15.0000°,Azm95.0000° M_o4.00000×10^{18}
ISC III 16 14 24 36.8–.56 3.56N–.09 126.5E–.10 53 4.6b 44 11-90
IDC III 16 14 24 30.0–.63 3.56N 126.56E 0 5.6s,5.6 **¶12703418**
ISCJB III 16 14 24 35.0–.39 3.56N–.06 126.48E–.08 53 5.4s,4.6b
NEIC III 16 14 24 36.0–1.6 3.57N 126.52E 45–16 5.0b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=12.5km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.9km az=160.1.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.6km az=69.0.
ISC III 16 14 27 39.9–.36 3.68N–.04 126.83E–.05 40–2 5.5s,5.1b 240 1-149
BJI III 16 14 27 31.1 2.80N 127.02E 35 5.6b,5.5s **¶15153217**
IDC III 16 14 27 34.0–.42 3.60N 126.59E 0 5.3s,5.3
MOS III 16 14 27 37.2–.91 3.63N 126.65E 33 5.4b,5.3
NEIC III 16 14 27 39.2–.28 3.61N 126.65E 35 5.0b,5.3
ISCJB III 16 14 27 40.9–.45 3.63N–.03 126.79E–.04 68–4 4.9b,5.3
DJA III 16 14 27 42.8–.60 4N–5.0 127E–3.0 56 5.2b,5.1
AUST III 16 14 27 45.5 3.50N 127.00E 100 5.2b,5.1
ISC Event type fe.
IDC Error ellipse: s-maj=18.8km s-min=10.4km az=79.0.
MOS Error ellipse: s-maj=14.5km s-min=7.0km az=112.8.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=6.3km az=77.0. Felt [III] in the Kepulauan Talaud.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.7km az=154.9.
ISC III 16 14 32 03.1–.65 3.53N–.09 126.5E–.10 53 4.3b 32 3-123
IDC III 16 14 31 55.9–.61 3.60N 126.48E 0 5.1s,5.1 **¶12703419**
ISCJB III 16 14 32 01.1–.49 3.54N–.07 126.6E–.10 53 4.2b,5.1
ISC Event type ke.
ISCJB Event type ke.
ISC III 16 14 55 36.2–.67 3.65N–.09 126.9E–.10 48 3.9b 21 3-91
IDC III 16 14 55 29.3–.69 3.55N 126.51E 0 4.1,4.0b **¶12703422**
ISCJB III 16 14 55 34.6–.46 3.63N–.06 126.9E–.10 48 4.0b,4.0b
DJA III 16 14 55 41.4–2.5 3N–25 127E–7.0 30 4.3b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC III 16 15 23 53.2–9.4 3.18N 126.60E 0 4.4s,4.4
¶12703423

IDC Error ellipse: s-maj=191.0km s-min=150.4km az=77.0.
IDC III 16 15 26 49.3–6.7 3.15N 127.10E 0 3.8,3.7
¶12703424

IDC Error ellipse: s-maj=112.9km s-min=91.5km az=126.0.
IDC III 16 15 42 12.9–6.7 3.25N 127.58E 0 3.9,3.7b
¶12703425

IDC Error ellipse: s-maj=111.0km s-min=90.9km az=127.0.
IDC III 16 15 57 13.2–7.9 3.30N 127.18E 0 3.8,3.7b
¶12703426

IDC Error ellipse: s-maj=146.8km s-min=125.3km az=79.0.
ISC III 16 16 10 18.4–.73 3.50N–.07 126.63E–.09 53 3.9b 23 1-85
IDC III 16 16 10 11.2–.77 3.46N 126.45E 0 3.9,3.8 **¶12703428**
DJA III 16 16 10 15.3–1.6 4N–8.0 127E–7.0 20–16 5.7b,5.2
ISCJB III 16 16 10 16.4–.56 3.51N–.05 126.62E–.07 53 3.7b,5.2
ISC Event type ke.
ISCJB Event type ke.
ISC III 16 16 17 18.5–.80 3.64N–.08 126.62E–.08 53 3.8b 21 1-47
IDC III 16 16 17 11.6–.95 3.68N 126.80E 0 4.1,3.9 **¶12703430**
DJA III 16 16 17 15.5–1.4 4N–9.0 127E–5.0 27–14 5.3b,4.7
ISCJB III 16 16 17 16.4–.63 3.63N–.06 126.69E–.06 53 3.8b,4.7
ISC Event type ke.
ISCJB Event type ke.
ISC III 16 17 42 04.8–.29 3.60N–.03 126.73E–.04 25–1 5.3s,5.3b 589 1-169
BJI III 16 17 41 59.6 3.25N 126.84E 24 5.4s,5.4b **¶15153220**
IDC III 16 17 42 00.9–.39 3.62N 126.70E 0 5.1,5.1s
NEIC III 16 17 42 03.6–2.8 3.60N 126.70E 18–17 5.6W,5.3b
MOS III 16 17 42 04.6–1.6 3.64N 126.68E 33 5.6b,5.2s
ISCJB III 16 17 42 05.6–.42 3.69N–.02 126.80E–.03 44–3 5.3s,5.2b
GCMT III 16 17 42 06.8–.10 3.71N 126.50E 13 5.7W,5.2b
AUST III 16 17 42 09.3 3.50N 126.50E 60 5.7W,5.2b
DJA III 16 17 42 10.2–.30 4N–3.0 127E–2.0 43–4 5.9,5.8b
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$-0.98 $M_{r\theta}$0.99 $M_{\theta\phi}$0.10 $M_{\phi r}$-2.50 Best double couple: NP1:ϕ_s7.00000° ,δ11.00000°,λ117.00000°. NP2:ϕ_s160.00000°,δ80.00000°,λ85.00000°. Principal axes: T 2.9000,Plg54.0000°,Azm63.0000°; N -0.0600,Plg4.0000°,Azm160.0000° ; P -2.8300,Plg34.0000°,Azm253.0000° M_o2.90000×10^{17}
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 91, comp=160, per= 50. Moment Tensor Solution. s90,c138; s36,c40; Moment tensor: Scale 10^{17}Nm; M_{rr}2.12±.05 $M_{\theta\theta}$0.66±.04; $M_{\phi\phi}$-2.77±.05; $M_{r\theta}$1.37±.14; $M_{\theta\phi}$0.01±.03; $M_{\phi r}$-2.55±.18; Best double couple: NP1:ϕ_s24.00000°,δ26.00000°,λ134.00000°. NP2:ϕ_s158.00000°,δ71.00000°,λ71.00000°. Principal axes: T 3.7300,Plg59.0000°,Azm41.0000°; N 0.2100,Plg18.0000°,Azm164.0000° ; P -3.9300,Plg24.0000°,Azm262.0000° M_o3.80000×10^{17}
ISC III 16 17 44 54.3–.33 3.63N–.03 126.73E–.04 40–2 5.2s,5.0b 325 1-150
BJI III 16 17 44 46.9 3.04N 127.07E 33 5.4s,5.3b **¶15153218**
IDC III 16 17 44 48.5–.45 3.61N 126.58E 0 5.1s,5.1
MOS III 16 17 44 51.6–.98 3.64N 126.51E 33 5.4b,5.1
NEIC III 16 17 44 53.5–.23 3.69N 126.75E 35 5.2b,5.1
ISCJB III 16 17 44 53.4–.55 3.68N–.02 126.73E–.03 49–5 5.1s,5.0b
DJA III 16 17 44 56.0–.90 4N–4.0 127E–3.0 17–9 5.7b,5.3
AUST III 16 17 44 57.5–.45 3.64N 126.94E 68–0 5.7b,5.3
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=9.8km az=79.0.
MOS Error ellipse: s-maj=14.6km s-min=6.4km az=113.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.2km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.8km az=157.7.
AUST Error ellipse: s-maj=1.4km s-min=0.7km az=232.0.
ISC III 16 17 56 57.5–1.6 3.5N–.30 126.6E–.70 48 3.9b 6 4-62
IDC III 16 17 56 50.6–1.6 3.63N 126.82E 0 3.9,3.7b **¶12703440**
ISCJB III 16 17 56 55.7–1.5 3.5N–.30 126.6E–.60 48 3.7b,3.7b
ISC Event type ke.
ISCJB Event type ke.
IDC III 16 18 24 41.7–1.1 4.04N 126.88E 0 3.6,3.5b
¶12703442

IDC Error ellipse: s-maj=70.0km s-min=15.8km az=69.0.
ISC III 16 18 33 07.7–.45 3.57N–.06 126.62E–.08 53 4.4b 56 3-123
IDC III 16 18 33 00.6–.48 3.53N 126.47E 0 4.3b,4.3 **¶15153223**
AUST III 16 18 33 01.6 3.50N 126.50E 0 4.3b,4.3
ISCJB III 16 18 33 05.8–.32 3.57N–.04 126.59E–.05 53 4.2b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC III 16 21 42 48.6–.85 3.56N 126.66E 0 3.9,3.8b
¶12703460

IDC Error ellipse: s-maj=50.4km s-min=14.8km az=70.0.
IDC III 16 21 44 14.0–.98 3.61N 126.83E 0 4.0,3.9b
¶12703461

IDC Error ellipse: s-maj=64.4km s-min=15.5km az=68.0.
ISC III 16 22 36 22.2–.45 3.74N–.05 126.64E–.07 53 4.4b,3.7s 114 1-123
IDC III 16 22 36 15.0–.58 3.63N 126.54E 0 4.3,4.3 **¶11938383**
MOS III 16 22 36 18.1–1.2 3.66N 126.46E 33 4.8b,4.3
ISCJB III 16 22 36 20.3–.31 3.73N–.03 126.60E–.05 53 4.4b,3.7s
NEIC III 16 22 36 20.2–.29 3.70N 126.61E 35 4.6b,3.7s
DJA III 16 22 36 23.3–1.1 4N–10 126E–6.0 10 5.3b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC III 16 23 34 22.3–1.4 3.64N–.04 126.69E–.07 25–9 4.6b,3.7s 174 3-166
AUST III 16 23 34 05.0–24 5.36N 126.20E 22–0 4.6b,3.7s **¶15153214**
IDC III 16 23 34 18.3–.43 3.52N 126.53E 0 4.4,4.4

MOS III 16 23 34 21.5–1.2 3.60N 126.70E 33 4.9b,4.4
NEIC III 16 23 34 22.5–3.0 3.63N 126.83E 30–21 4.7b,4.4
BJI III 16 23 34 22.3 3.60N 127.00E 50 5.0b,4.5s
ISCJB III 16 23 34 23.4–.82 3.61N–.03 126.74E–.06 51–7 4.6b,3.9s
DJA III 16 23 34 26.6–1.4 3N–11 127E–9.0 10 5.3b,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC III 16 23 39 18.1–.59 3.59N–.09 126.7E–.20 53 4.0b 39 22-123
IDC III 16 23 39 11.1–.64 3.59N 126.61E 0 4.2,4.1 **¶12703466**
ISCJB III 16 23 39 16.1–.43 3.60N–.07 126.6E–.10 53 4.1s,4.0b
NEIC III 16 23 39 16.1–.26 3.61N 126.66E 35 3.9b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=13.6km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=8.4km az=162.8.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=5.4km az=71.0.
IDC III 16 23 42 10.8–.67 3.45N 126.50E 0 4.2,4.1
¶12703467
IDC Error ellipse: s-maj=40.3km s-min=14.1km az=72.0.
ISC III 17 00 48 00.3–.66 3.5N–.10 126.4E–.20 53 3.9b 35 4-123
IDC III 17 00 47 53.5–.74 3.48N 126.40E 0 4.1,3.9b **¶12703472**
ISCJB III 17 00 47 58.2–.52 3.50N–.08 126.4E–.20 53 4.0b,3.9b
NEIC III 17 00 47 58.3–.40 3.48N 126.41E 35 4.0b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=52.9km s-min=14.6km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=31.6km s-min=8.5km az=163.5.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=6.5km az=73.0.
ISC III 17 02 28 45.7–.45 3.46N–.05 126.5E–.10 53 4.4b 84 3-149
IDC III 17 02 28 38.4–.55 3.37N 126.33E 0 4.3,4.3 **¶15153232**
ISCJB III 17 02 28 43.5–.32 3.45N–.03 126.60E–.08 53 4.4b,3.3s
DJA III 17 02 28 43.2–3.8 4N–32 126E–11 47–17 5.1b,4.7b
NEIC III 17 02 28 44.1–1.2 3.35N 126.37E 43–11 4.5b,4.7b
AUST III 17 02 29 05.9 3.50N 127.50E 300 4.5b,4.7b
ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=12.2km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=4.9km az=175.1.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=5.4km az=77.0.
IDC III 17 02 48 03.6–.96 3.50N 126.31E 0 4.0,3.9
¶12703480
IDC Error ellipse: s-maj=93.6km s-min=16.7km az=76.0.
ISC III 17 03 23 45.4–.50 3.55N–.06 126.56E–.09 53 4.3b 60 4-100
IDC III 17 03 23 38.5–.63 3.60N 126.56E 0 4.3,4.3 **¶15153242**
ISCJB III 17 03 23 43.5–.34 3.55N–.04 126.53E–.09 53 4.3b,3.2s
NEIC III 17 03 23 43.4–.24 3.61N 126.55E 35 4.4b,3.2s
AUST III 17 03 23 43.4 3.50N 126.50E 35 4.4b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=12.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=5.7km az=167.8.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=4.6km az=78.0.
IDC III 17 04 27 47.5–.87 3.56N 126.40E 0 4.2,4.1b
¶12703491
IDC Error ellipse: s-maj=56.6km s-min=14.9km az=82.0.
ISC III 17 04 45 46.8–.49 3.59N–.06 126.7E–.10 53 4.4b,3.3s 61 3-123
IDC III 17 04 45 39.7–.60 3.58N 126.59E 0 4.4,4.3 **¶15153233**
NEIC III 17 04 45 43.3–3.1 3.63N 126.69E 24–22 4.6b,4.3
AUST III 17 04 45 47.7 3.50N 126.50E 60 4.6b,4.3
DJA III 17 04 45 48.3–1.1 4N–8.0 127E–7.0 65–12 5.0b,4.7
ISC Event type ke.
NEIC Event type se.
IDC III 17 06 15 19.6–1.4 3.63N 126.97E 0 3.8,3.7
¶12703499
IDC Error ellipse: s-maj=103.5km s-min=22.9km az=75.0.
ISC III 17 06 17 25.3–.59 3.53N–.06 126.64E–.09 53 4.3b,3.5s 36 3-123
IDC III 17 06 17 18.2–.73 3.50N 126.58E 0 4.2,4.1 **¶12703500**
ISCJB III 17 06 17 23.5–.43 3.54N–.05 126.62E–.07 53 4.2b,3.5s
NEIC III 17 06 17 23.3–.37 3.50N 126.54E 35 4.4b,3.5s
DJA III 17 06 17 37.1–1.6 2N–17 126E–4.0 10 4.0,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 17 09 04 49.4–.91 3.98N 127.26E 0 4.0,3.9
¶12703505
IDC Error ellipse: s-maj=55.4km s-min=16.7km az=79.0.
ISC III 17 09 30 55.4–.39 3.71N–.03 126.62E–.05 42–3 4.7b,3.9s 260 1-155
BJI III 17 09 30 51.3 3.43N 126.68E 38 4.9b,4.8b **¶15153241**
MOS III 17 09 30 52.1–1.2 3.58N 126.29E 33 5.0b,4.8b
NEIC III 17 09 30 54.2–.24 3.61N 126.36E 35 4.9b,4.8b
ISCJB III 17 09 30 55.1–.50 3.69N–.02 126.56E–.04 57–5 4.7b,4.0s
AUST III 17 09 30 57.7 3.50N 126.50E 60 4.7b,4.0s
IDC III 17 09 30 57.9–2.1 3.53N 126.28E 69–19 4.2,4.2
DJA III 17 09 30 58.6–1.3 4N–4.0 127E–3.0 33–12 5.2b,5.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC III 17 09 41 09.9–.48 3.61N–.04 126.82E–.06 48 4.1b 64 3-99
IDC III 17 09 41 06.2–4.6 3.55N 126.64E 18–28 4.1b,4.1 **¶15153236**
ISCJB III 17 09 41 08.1–.34 3.61N–.03 126.87E–.05 48 4.1b,4.1
NEIC III 17 09 41 08.2–.40 3.65N 126.78E 35 4.3b,4.1
DJA III 17 09 41 13.4–1.1 3N–7.0 127E–4.0 142–14 5.0b,4.8b
AUST III 17 09 41 25.8–4.8 3.16N 127.48E 204–0 5.0b,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=11.9km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=177.3.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=6.9km az=77.0.
AUST Error ellipse: s-maj=3.6km s-min=1.4km az=228.0.
IDC III 17 13 39 00.6–1.4 3.55N 126.78E 0 4.1,3.9b
¶12703515
IDC Error ellipse: s-maj=132.9km s-min=19.2km az=66.0.
IDC III 17 14 30 09.2–4.1 3.10N 127.04E 0 3.7,3.5b
¶12703517
IDC Error ellipse: s-maj=105.8km s-min=52.9km az=71.0.
ISC III 17 14 39 16.3–.53 3.56N–.07 126.69E–.09 53 4.4b,3.1s 43 3-123
IDC III 17 14 39 09.1–.53 3.45N 126.50E 0 4.3,4.2 **¶12703518**
ISCJB III 17 14 39 14.6–.38 3.59N–.04 126.67E–.06 53 4.1b,3.1s
DJA III 17 14 39 20.4–2.5 3N–22 127E–6.0 41–74 5.0b,4.8b
ISC Event type ke.
ISCJB Event type ke.
ISC III 17 18 23 34.7–1.4 3.3N–.20 126.3E–.40 53 3.8b 9 4-38
IDC III 17 18 23 28.8–3.3 3.42N 127.35E 0 4.1,3.9b **¶12703528**
ISC Event type ke.
IDC Error ellipse: s-maj=97.9km s-min=56.9km az=84.0.
ISC III 17 20 33 50.5–.36 3.58N–.03 126.69E–.04 44–2 4.6b,3.9s 222 3-123
IDC III 17 20 33 44.5–.50 3.45N 126.60E 0 4.5,4.4 **¶15153231**
BJI III 17 20 33 47.8 3.49N 126.88E 48 4.9b,4.4b
MOS III 17 20 33 47.4–1.5 3.52N 126.49E 33 4.9b,4.4b
NEIC III 17 20 33 48.3–.36 3.67N 126.78E 35 4.7b,4.4b
ISCJB III 17 20 33 50.9–.46 3.55N–.02 126.66E–.03 67–4 4.5b,4.4b
DJA III 17 20 33 54.0–.80 3N–6.0 127E–3.0 46–19 5.0b,4.8
AUST III 17 20 33 54.9–.66 3.47N 126.64E 95–0 5.0b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=9.2km az=80.0.
MOS Error ellipse: s-maj=15.3km s-min=7.1km az=112.2.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.8km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.6km az=158.8.
AUST Error ellipse: s-maj=1.4km s-min=0.8km az=268.0.
ISC III 17 20 43 18.6–.88 3.67N–.07 126.70E–.09 53 3.7b 15 3-90
IDC III 17 20 43 10.9–1.3 3.74N 126.84E 0 4.1,3.9b **¶12703534**
ISCJB III 17 20 43 16.5–.73 3.75N–.06 126.77E–.07 53 3.9b,3.9b
DJA III 17 20 43 36.4–1.0 0S–9.0 126E–6.0 139–18 4.7b,4.0
ISC Event type ke.
ISCJB Event type ke.

IDC III 17 23 11 52.2–1.5 3.71N 126.87E 0 3.9,3.8
¶12703547
IDC Error ellipse: s-maj=96.6km s-min=24.9km az=75.0.
IDC III 17 23 33 57.9–1.1 3.54N 126.53E 0 3.9,3.7b
¶12703548
IDC Error ellipse: s-maj=99.6km s-min=16.6km az=71.0.
ISC III 18 04 28 51.6–.31 3.83N–.03 126.44E–.04 33–1 5.0b,4.2s 417 1-169
BJI III 18 04 28 48.3 3.66N 126.49E 35 4.9b,4.9b **¶15153253**
MOS III 18 04 28 49.9–.97 3.90N 126.48E 33 5.2b,4.9b
IDC III 18 04 28 50.1–2.7 3.78N 126.42E 24–17 4.6,4.6
ISCJB III 18 04 28 50.0–.15 3.95N–.02 126.63E–.03 33 4.9b,4.2s
AUST III 18 04 28 51.4–1.5 3.79N 126.81E 28–0 4.9b,4.2s
NEIC III 18 04 28 51.8–.17 3.87N 126.44E 35 5.0b,4.2s
DJA III 18 04 29 00.7–.40 4N–3.0 127E–2.0 80–4 5.3b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 18 05 02 39.7–1.5 3.61N 126.93E 0 4.0,3.9b
¶12703565
IDC Error ellipse: s-maj=146.8km s-min=25.3km az=72.0.
IDC III 18 05 56 59.7–.99 3.57N 126.63E 0 4.1,4.0
¶12703569
IDC Error ellipse: s-maj=68.7km s-min=20.1km az=75.0.
IDC III 18 08 25 17.9–1.1 4.07N 126.78E 0 4.0,3.9
¶12703572
IDC Error ellipse: s-maj=123.1km s-min=16.3km az=68.0.
ISC III 18 09 03 09.6–.30 3.67N–.03 126.61E–.03 31–1 5.8b,4.9s 1269 3-169
BJI III 18 09 03 05.9 3.36N 126.68E 35 5.7b,5.4b **¶13436626**
ISCJB III 18 09 03 08.5–.12 3.66N–.02 126.71E–.02 35 5.8b,4.8s
MOS III 18 09 03 08.9–.93 3.71N 126.51E 33 5.9b,4.8s
NEIC III 18 09 03 08.5–.11 3.65N 126.66E 23 5.8b,5.6
IDC III 18 09 03 09.3–2.5 3.59N 126.57E 28–16 5.5,5.5
TEH III 18 09 03 12.0 3.67N 126.74E 59 5.7L,5.5
GCMT III 18 09 03 13.4–.10 3.79N 126.82E 24–0 5.5W,5.5
DJA III 18 09 03 14.8–.30 4N–2.0 127E–2.0 78–4 5.9,5.8b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Damau, Melonguanne and Salibabu. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ70.00000° ,λ120.00000°. NP2:ϕ_s151.00000°,δ36.00000°,λ36.00000°. Principal axes: T Plg55.0000° ,Azm338.0000°; N Plg0.0000°,Azm0.0000°; P Plg19.0000°,Azm98.0000° Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}1.44 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-2.20 $M_{r\theta}$0.11 $M_{\theta\phi}$0.34 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s5.00000°,δ53.00000°,λ106.00000°. NP2:ϕ_s160.00000° ,δ40.00000°,λ70.00000°. Principal axes: T 1.5300,Plg75.0000°,Azm326.0000° ; N 0.7700,Plg12.0000°,Azm175.0000°; P -2.2900,Plg6.0000°,Azm83.0000° $M_0$2.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=171, per= 50. Moment Tensor Solution. s96,c159; s30,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}1.26±.03 $M_{\theta\theta}$0.64±.02; $M_{\phi\phi}$-1.90±.03; $M_{r\theta}$1.04±.05; $M_{\theta\phi}$-0.82±.02; $M_{\phi r}$0.35±.04; Best double couple: NP1:ϕ_s164.00000°,δ46.00000°,λ36.00000°. NP2:ϕ_s47.00000°,δ65.00000°,λ131.00000°. Principal axes: T 2.0500,Plg52.0000°,Azm5.0000°; N 0.2200,Plg36.0000°,Azm208.0000° ; P -2.2600,Plg11.0000°,Azm110.0000° $M_0$2.20000×10^{17}
IDC III 18 09 54 00.6–1.5 3.71N 126.97E 0 4.3,4.1
¶12703576
IDC Error ellipse: s-maj=90.6km s-min=20.6km az=74.0.
IDC III 18 13 01 02.3–2.4 3.66N 126.71E 0 3.6,3.4b
¶12703585
IDC Error ellipse: s-maj=219.6km s-min=25.2km az=66.0.
ISC III 18 13 37 06.8–.49 3.40N–.06 126.50E–.10 53 4.3b,3.4s 37 4-123
IDC III 18 13 36 59.3–.59 3.45N 126.50E 0 4.4,4.3 **¶15153267**
ISCJB III 18 13 37 04.9–.35 3.43N–.05 126.48E–.08 53 4.3b,3.3s
AUST III 18 13 37 10.3–.47 3.38N 126.59E 88–0 4.3b,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=12.8km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=5.6km az=156.0.
AUST Error ellipse: s-maj=1.2km s-min=0.9km az=262.0.
ISC III 18 15 02 32.0–.46 4.06N–.06 126.92E–.08 36 4.1b,3.4s 70 3-99
IDC III 18 15 02 26.0–.60 3.91N 126.83E 0 4.1,4.0 **¶12791243**
ISCJB III 18 15 02 30.0–.33 4.11N–.05 126.92E–.06 36 4.1b,3.5s
NEIC III 18 15 02 31.5–.41 3.97N 126.79E 35 4.6b,3.5s
AUST III 18 15 02 32.1–1.3 3.95N 126.89E 39–0 4.6b,3.5s
DJA III 18 15 02 33.9–1.9 4N–15 127E–12 64–14 4.6,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 18 18 38 47.1–1.6 3.59N 127.18E 0 3.9,3.8
¶12703606
IDC Error ellipse: s-maj=94.8km s-min=22.7km az=68.0.
IDC III 18 20 39 58.0–1.9 3.89N 127.34E 0 3.9,3.7b
¶12703611
IDC Error ellipse: s-maj=159.4km s-min=23.7km az=65.0.
IDC III 18 20 53 30.6–2.0 3.80N 127.21E 0 3.7,3.5b
¶12703612
IDC Error ellipse: s-maj=150.3km s-min=25.2km az=65.0.
IDC III 18 22 01 20.0–2.2 3.95N 126.04E 0 3.5,3.3b
¶12703616
IDC Error ellipse: s-maj=193.3km s-min=27.1km az=65.0.
ISC III 18 23 09 16.3–.26 3.62N–.03 126.78E–.05 48 4.9b,4.0s 388 3-161
IDC III 18 23 09 09.2–.39 3.43N 126.49E 0 4.8,4.8 **¶15153259**
MOS III 18 23 09 12.5–1.2 3.54N 126.73E 33 5.2b,4.1s
ISCJB III 18 23 09 14.7–.17 3.62N–.02 126.75E–.03 48 4.9b,4.0s
NEIC III 18 23 09 15.3–1.1 3.63N 126.88E 44–9 5.0b,4.0s
DJA III 18 23 09 17.4–.80 4N–6.0 127E–5.0 40–8 5.3b,5.1
AUST III 18 23 09 21.4 3.50N 127.00E 100 5.3b,5.1
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=8.5km az=77.0.
MOS Error ellipse: s-maj=13.5km s-min=5.9km az=113.7.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=169.2.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.0km az=71.0.
IDC III 19 00 13 25.6–1.9 3.95N 126.65E 0 3.9,3.7b
¶12703626
IDC Error ellipse: s-maj=169.5km s-min=25.9km az=64.0.
IDC III 19 01 01 11.3–1.3 3.88N 126.57E 0 3.6,3.5b
¶12703630
IDC Error ellipse: s-maj=101.7km s-min=16.3km az=71.0.
ISC III 19 03 21 01.3–.54 3.52N–.08 126.6E–.20 53 4.3b,3.4s 53 3-99
IDC III 19 03 20 54.2–.68 3.56N 126.57E 0 4.4,4.3 **¶12703638**
ISCJB III 19 03 20 59.4–.42 3.56N–.06 126.6E–.10 53 4.3b,3.4s
NEIC III 19 03 20 59.1–.27 3.55N 126.55E 35 4.3b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=13.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=6.4km az=160.8.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=5.0km az=72.0.
IDC III 19 05 34 49.3–1.2 3.83N 127.41E 0 3.7,3.6
¶12703650
IDC Error ellipse: s-maj=90.5km s-min=17.2km az=72.0.
IDC III 19 06 06 37.3–1.0 3.90N 126.42E 0 3.8,3.7b
¶12703651
IDC Error ellipse: s-maj=105.9km s-min=15.2km az=71.0.
IDC III 19 09 10 39.0–1.9 3.49N 126.85E 0 3.4,3.3
¶12703666
IDC Error ellipse: s-maj=170.5km s-min=21.4km az=67.0.
ISC III 19 12 28 09.2–.51 3.69N–.05 126.5E–.10 53 4.2b,3.6s 52 3-123
IDC III 19 12 28 01.8–.57 3.66N 126.40E 0 4.3,4.2 **¶12703675**
ISCJB III 19 12 28 07.2–.36 3.67N–.04 126.57E–.08 53 4.2b,3.6s
NEIC III 19 12 28 07.0–.26 3.63N 126.38E 35 4.4b,3.6s
DJA III 19 12 28 29.2–1.0 3N–8.0 125E–8.0 10 5.7,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

ISC	**III**	**19 14 08 45.9–.59**	**3.63N–.07**	**126.85E–.08**	**48**	**4.0b**	**24**	**3-85**	
IDC	III	19 14 08 39.2–.67	3.66N	126.34E	0	4.0,3.9b			¶15153275
ISCJB	III	19 14 08 43.8–.45	3.75N–.05	126.74E–.07	48	3.9b,3.9b			
AUST	III	19 14 08 49.2	3.50N	127.00E	100	3.9b,3.9b			
MAN	III	19 14 09 09	5.89N	125.86E	187	4.6b,3.5L			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=44.9km s-min=13.8km az=72.0.								
ISCJB	Event type ke. Error ellipse: s-maj=10.0km s-min=7.2km az=175.1.								
IDC	**III**	**19 23 10 53.0–1.4**	**3.81N**	**127.05E**	**0**	**3.6,3.4**			
									¶12703742
IDC	Error ellipse: s-maj=129.6km s-min=21.1km az=70.0.								
ISC	**III**	**20 00 10 44.6–.63**	**3.5N–.10**	**126.7E–.20**	**48**	**3.9b**	**35**	**3-123**	
IDC	III	20 00 10 37.6–.79	3.59N	126.76E	0	4.0,3.9			¶15153316
NEIC	III	20 00 10 42.9–.44	3.54N	126.74E	35	4.3b,3.9			
ISCJB	III	20 00 10 42.5–.47	3.44N–.09	126.6E–.20	48	4.0b,3.9			
AUST	III	20 00 10 46.7	3.50N	127.00E	100	4.0b,3.9			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=50.8km s-min=14.3km az=69.0.								
NEIC	Event type se. Error ellipse: s-maj=28.6km s-min=7.5km az=69.0.								
ISCJB	Event type ke. Error ellipse: s-maj=26.5km s-min=5.7km az=151.5.								
IDC	**III**	**20 03 38 22.8–1.4**	**3.64N**	**127.01E**	**0**	**3.9,3.7b**			
									¶12703769
IDC	Error ellipse: s-maj=95.0km s-min=19.7km az=69.0.								
IDC	**III**	**20 06 19 13.7–1.8**	**3.90N**	**127.33E**	**0**	**3.7,3.6b**			
									¶12703785
IDC	Error ellipse: s-maj=154.7km s-min=21.2km az=67.0.								
IDC	**III**	**20 11 46 13.4–2.2**	**3.90N**	**126.99E**	**0**	**3.6,3.4b**			
									¶12703807
IDC	Error ellipse: s-maj=168.2km s-min=26.9km az=66.0.								
IDC	**III**	**20 13 46 14.8–.68**	**3.57N**	**126.64E**	**0**	**4.1,4.0**			
									¶12703820
IDC	Error ellipse: s-maj=36.7km s-min=14.2km az=73.0.								
ISC	**III**	**20 15 00 53.6–.56**	**3.56N–.07**	**126.9E–.10**	**48**	**4.0b**	**48**	**4-123**	
IDC	III	20 15 00 47.2–.61	3.62N	126.75E	0	4.0,3.9b			¶15153323
AUST	III	20 15 00 47.1	3.50N	126.50E	0	4.0,3.9b			
ISCJB	III	20 15 00 51.3–.43	3.56N–.05	126.79E–.08	48	4.0b,3.9b			
NEIC	III	20 15 00 52.6–4.8	3.54N	126.75E	42–46	4.6b,3.9b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=40.0km s-min=12.5km az=69.0.								
ISCJB	Event type se. Error ellipse: s-maj=11.1km s-min=6.9km az=169.5.								
NEIC	Event type se. Error ellipse: s-maj=26.7km s-min=9.4km az=67.0.								
IDC	**III**	**20 16 03 06.4–.76**	**4.07N**	**126.83E**	**0**	**4.0,3.9**			
									¶12703834
IDC	Error ellipse: s-maj=45.8km s-min=13.7km az=67.0.								
IDC	**III**	**20 18 37 41.9–9.9**	**3.40N**	**126.99E**	**0**	**3.9,3.7b**			
									¶12703846
IDC	Error ellipse: s-maj=162.8km s-min=150.0km az=142.0.								
IDC	**III**	**21 00 06 40.9–1.3**	**4.20N**	**127.08E**	**0**	**3.9,3.8**			
									¶12635139
IDC	Error ellipse: s-maj=89.8km s-min=18.5km az=71.0.								
IDC	**III**	**21 02 06 08.2–1.2**	**3.44N**	**127.55E**	**0**	**3.8,3.6b**			
									¶12635145
IDC	Error ellipse: s-maj=109.2km s-min=16.3km az=71.0.								
IDC	**III**	**21 02 14 24.2–1.8**	**3.53N**	**127.18E**	**0**	**3.7,3.6**			
									¶12635146
IDC	Error ellipse: s-maj=106.1km s-min=24.6km az=69.0.								
IDC	**III**	**21 03 15 21.1–1.3**	**3.99N**	**126.73E**	**0**	**3.9,3.8b**			
									¶12635150
IDC	Error ellipse: s-maj=87.4km s-min=19.4km az=72.0.								
IDC	**III**	**21 08 21 58.2–1.8**	**3.80N**	**126.74E**	**0**	**3.8,3.6b**			
									¶12635165
IDC	Error ellipse: s-maj=105.3km s-min=24.7km az=68.0.								
IDC	**III**	**21 08 49 25.4–1.6**	**3.86N**	**127.22E**	**0**	**3.7,3.6**			
									¶12635167
IDC	Error ellipse: s-maj=107.3km s-min=19.5km az=70.0.								
IDC	**III**	**21 18 53 47.4–2.4**	**3.00N**	**126.33E**	**0**	**3.4,3.2b**			
									¶12635207
IDC	Error ellipse: s-maj=211.1km s-min=27.6km az=66.0.								
IDC	**III**	**21 21 18 11.1–1.1**	**3.61N**	**126.55E**	**0**	**3.8,3.7b**			
									¶12635220
IDC	Error ellipse: s-maj=85.3km s-min=12.8km az=66.0.								
IDC	**III**	**21 22 12 46.8–.88**	**3.41N**	**126.80E**	**0**	**4.1,3.9**			
									¶12635229
IDC	Error ellipse: s-maj=66.4km s-min=13.7km az=67.0.								
IDC	**III**	**22 04 59 41.8–1.3**	**3.66N**	**126.76E**	**0**	**3.9,3.7b**			
									¶12635258
IDC	Error ellipse: s-maj=91.4km s-min=19.1km az=71.0.								
IDC	**III**	**22 14 55 44.9–1.5**	**2.96N**	**125.18E**	**0**	**3.5,3.4b**			
									¶12635298
IDC	Error ellipse: s-maj=187.1km s-min=19.9km az=64.0.								
IDC	**III**	**22 15 39 16.3–1.9**	**3.01N**	**126.22E**	**0**	**3.7,3.5b**			
									¶12635301
IDC	Error ellipse: s-maj=180.6km s-min=23.4km az=65.0.								
IDC	**III**	**22 18 14 58.7–1.6**	**3.71N**	**127.22E**	**0**	**3.4,3.3**			
									¶12635312
IDC	Error ellipse: s-maj=102.5km s-min=20.7km az=70.0.								
IDC	**III**	**22 22 47 05.2–1.2**	**3.80N**	**126.86E**	**0**	**4.2,4.0**			
MAN	III	22 22 47 08	7.24N	128.58E	0	4.3b,3.1L			¶12635333
IDC	Error ellipse: s-maj=72.5km s-min=16.4km az=66.0.								
ISC	**III**	**22 23 36 12.9–.50**	**3.71N–.06**	**126.74E–.10**	**48**	**4.4b**	**63**	**4-123**	
AUST	III	22 23 36 06.0–5.1	3.51N	126.47E	0–0	4.4b			¶15153362
IDC	III	22 23 36 06.3–.76	3.57N	126.51E	0	4.3,4.2b			
ISCJB	III	22 23 36 10.9–.33	3.69N–.05	126.75E–.08	48	4.4b,4.2b			
BJI	III	22 23 36 10.7	3.45N	126.70E	47	5.0b,4.7b			
NEIC	III	22 23 36 10.6–1.3	3.85N	127.22E	37–11	4.5b,4.7b			
ISC	Event type se.								
AUST	Error ellipse: s-maj=1.6km s-min=1.1km az=287.0.								
IDC	Error ellipse: s-maj=49.9km s-min=13.9km az=70.0.								
ISCJB	Event type se. Error ellipse: s-maj=11.8km s-min=5.5km az=155.9.								
NEIC	Event type se. Error ellipse: s-maj=16.7km s-min=5.8km az=71.0.								
ISC	**III**	**23 04 41 26.0–.47**	**3.90N–.05**	**126.46E–.09**	**10**	**4.2b**	**53**	**3-123**	
IDC	III	23 04 41 24.4–.68	3.86N	126.44E	0	4.2,4.1			¶15153380
ISCJB	III	23 04 41 24.1–.34	3.88N–.03	126.45E–.07	10	4.2b,4.1			
NEIC	III	23 04 41 25.2–4.1	3.86N	126.43E	6–26	4.3b,4.1			
AUST	III	23 04 41 26.9–4.3	3.70N	126.57E	11–0	4.3b,4.1			
MAN	III	23 04 42 24	7.39N	124.77E	31	4.3b,3.2L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=53.6km s-min=13.9km az=75.0.								
ISCJB	Event type se. Error ellipse: s-maj=10.3km s-min=4.9km az=176.4.								
NEIC	Event type se. Error ellipse: s-maj=16.8km s-min=6.1km az=78.0.								
AUST	Error ellipse: s-maj=1.7km s-min=1.1km az=302.0.								
IDC	**III**	**23 10 53 07.8–2.2**	**3.65N**	**126.20E**	**0**	**3.6,3.4b**			
									¶12635381
IDC	Error ellipse: s-maj=186.7km s-min=27.0km az=65.0.								
IDC	**III**	**23 23 22 02.9–1.2**	**3.47N**	**126.31E**	**0**	**4.2,4.0**			
									¶12635426
IDC	Error ellipse: s-maj=99.2km s-min=15.9km az=68.0.								
ISC	**III**	**24 02 50 14.9–.52**	**3.58N–.05**	**127.26E–.07**	**48**	**4.1b,3.8s**	**59**	**3-123**	
IDC	III	24 02 50 08.3–.80	3.36N	126.87E	0	4.3,4.2			¶15153398
NEIC	III	24 02 50 11.3–3.2	3.36N	126.89E	21–23	4.4b,4.2			
ISCJB	III	24 02 50 12.6–.38	3.59N–.04	127.28E–.05	48	4.2b,3.8s			
DJA	III	24 02 50 16.0–.50	4N–4.0	127E–4.0	58–7	5.1b,4.6			
AUST	III	24 02 50 26.3	3.50N	128.00E	200	5.1b,4.6			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=52.8km s-min=14.1km az=70.0.								
NEIC	Event type se. Error ellipse: s-maj=24.5km s-min=5.6km az=71.0.								
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=0.3.								
IDC	**III**	**24 16 03 27.0–2.0**	**3.83N**	**126.18E**	**0**	**3.4,3.3**			
									¶12635483
IDC	Error ellipse: s-maj=191.9km s-min=24.1km az=64.0.								
IDC	**III**	**24 22 54 23.8–1.9**	**4.25N**	**127.16E**	**0**	**3.7,3.5b**			
									¶12635498
IDC	Error ellipse: s-maj=150.6km s-min=24.8km az=65.0.								
IDC	**III**	**25 01 37 48.8–1.2**	**4.23N**	**126.83E**	**0**	**3.9,3.8**			
									¶12635507
IDC	Error ellipse: s-maj=91.4km s-min=17.0km az=69.0.								
ISC	**III**	**25 02 10 11.6–.48**	**3.61N–.06**	**126.62E–.10**	**10**	**4.6b**	**48**	**3-123**	
ISCJB	III	25 02 10 09.3–.32	3.60N–.04	126.56E–.10	10	4.5b,3.5s			¶12635509
IDC	III	25 02 10 09.5–.57	3.55N	126.46E	0	4.4,4.4			
NEIC	III	25 02 10 14.7–.21	3.57N	126.59E	35	4.6b,4.4			
DJA	III	25 02 10 23.4–1.7	3N–9.0	128E–14	135–11	4.9b,4.5			
MAN	III	25 02 10 47	5.62N	125.70E	72	4.5b,3.3L			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=14.6km s-min=5.0km az=164.3.								
IDC	Error ellipse: s-maj=36.2km s-min=12.0km az=75.0.								
NEIC	Event type se. Error ellipse: s-maj=9.7km s-min=4.2km az=70.0.								
ISC	**III**	**25 03 30 31.5–.72**	**3.9N–.10**	**126.8E–.20**	**36**	**4.2b**	**33**	**4-123**	
IDC	III	25 03 30 26.4–1.1	3.84N	126.69E	0	4.2,4.0b			¶12635514
ISCJB	III	25 03 30 29.5–.49	3.87N–.08	126.7E–.20	36	4.2b,4.0b			
NEIC	III	25 03 30 31.3–.35	3.89N	126.82E	35	4.4b,4.0b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=103.9km s-min=15.0km az=70.0.								
ISCJB	Event type se. Error ellipse: s-maj=23.9km s-min=7.9km az=158.8.								
NEIC	Event type se. Error ellipse: s-maj=17.9km s-min=5.9km az=70.0.								
ISC	**III**	**25 03 32 03.0–.64**	**3.9N–.10**	**126.9E–.20**	**36**	**4.2b**	**32**	**22-161**	
IDC	III	25 03 31 57.8–1.1	3.88N	126.81E	0	4.2,4.1b			¶12635515
ISCJB	III	25 03 32 01.1–.45	3.85N–.09	126.7E–.20	36	4.2b,4.1b			
NEIC	III	25 03 32 02.8–.32	3.88N	126.84E	35	4.3b,4.1b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=104.3km s-min=15.1km az=70.0.								
ISCJB	Event type se. Error ellipse: s-maj=27.7km s-min=8.1km az=157.2.								
NEIC	Event type se. Error ellipse: s-maj=21.4km s-min=6.3km az=68.0.								
ISC	**III**	**25 04 17 25.7–.67**	**3.8N–.10**	**126.7E–.30**	**45**	**4.3b**	**44**	**4-124**	
IDC	III	25 04 17 19.5–.82	3.81N	126.69E	0	4.3,4.1b			¶12635519
ISCJB	III	25 04 17 24.0–.55	3.7N–.10	126.6E–.30	45	4.3b,4.1b			
NEIC	III	25 04 17 24.6–.34	3.80N	126.76E	35	4.4b,4.1b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=60.1km s-min=13.9km az=68.0.								
ISCJB	Event type se. Error ellipse: s-maj=39.4km s-min=7.7km az=156.6.								
NEIC	Event type se. Error ellipse: s-maj=24.2km s-min=5.4km az=67.0.								
IDC	**III**	**25 04 38 45.2–1.9**	**3.13N**	**126.21E**	**0**	**3.8,3.6b**			
									¶12635521
IDC	Error ellipse: s-maj=179.9km s-min=23.7km az=65.0.								
IDC	**III**	**25 17 46 43.7–2.2**	**3.90N**	**126.70E**	**0**	**3.3,3.1b**			
									¶12635578
IDC	Error ellipse: s-maj=175.6km s-min=25.7km az=66.0.								
ISC	**III**	**25 23 15 37.6–.72**	**3.5N–.10**	**126.9E–.20**	**48**	**4.0b**	**38**	**5-123**	
IDC	III	25 23 15 31.1–.76	3.49N	126.75E	0	4.2,4.0			¶12635597
ISCJB	III	25 23 15 35.6–.48	3.48N–.09	126.8E–.20	48	4.0b,3.3s			
NEIC	III	25 23 15 36.1–.35	3.51N	126.82E	35	4.2b,3.3s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=50.9km s-min=13.2km az=70.0.								
ISCJB	Event type se. Error ellipse: s-maj=27.6km s-min=7.8km az=159.2.								
NEIC	Event type se. Error ellipse: s-maj=21.5km s-min=5.7km az=69.0.								
ISC	**III**	**26 02 09 43.8–.39**	**3.73N–.05**	**126.67E–.09**	**53**	**4.5b,3.6s**	**122**	**3-123**	
DJA	III	26 02 08 23.6–1.8	9N–21	129E–6.0	15–30	6.0b,5.8b			¶12061005
IDC	III	26 02 09 36.6–.51	3.68N	126.49E	0	4.9L,4.4			
BJI	III	26 02 09 38.2	3.80N	127.00E	35	4.9b,4.8s			
MOS	III	26 02 09 38.4–1.4	3.72N	126.64E	24	4.7b,4.8s			
ISCJB	III	26 02 09 41.8–.28	3.72N–.03	126.61E–.07	53	4.6b,3.7s			
NEIC	III	26 02 09 42.7–1.3	3.75N	126.59E	44–12	4.7b,3.7s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=25.3km s-min=11.8km az=72.0.								
MOS	Error ellipse: s-maj=17.3km s-min=7.0km az=110.9.								
ISCJB	Event type se. Error ellipse: s-maj=9.6km s-min=4.7km az=170.8.								
NEIC	Event type se. Error ellipse: s-maj=14.5km s-min=6.4km az=79.0.								
IDC	**III**	**26 04 21 12.8–1.6**	**4.54N**	**125.03E**	**0**	**4.1,3.9b**			
									¶12635615
IDC	Error ellipse: s-maj=112.2km s-min=21.6km az=67.0.								
ISC	**III**	**26 04 45 52.3–1.3**	**4.96N–.06**	**126.0E–.10**	**59–11**	**4.0b**	**51**	**2-141**	
IDC	III	26 04 45 50.2–5.7	4.95N	126.11E	39–50	4.0,3.9			¶12635617
ISCJB	III	26 04 45 51.9–1.1	4.97N–.05	126.1E–.10	74–10	3.9b,3.9			
NEIC	III	26 04 45 51.9–2.1	4.97N	126.17E	58–19	4.1b,3.9			
ISC	Event type se.								
IDC	Error ellipse: s-maj=37.4km s-min=14.3km az=74.0.								
ISCJB	Event type se. Error ellipse: s-maj=20.1km s-min=8.6km az=175.3.								
NEIC	Event type se. Error ellipse: s-maj=19.6km s-min=6.9km az=66.0.								
IDC	**III**	**26 13 17 30.5–1.2**	**3.27N**	**127.28E**	**0**	**4.0,3.9**			
									¶12635639
IDC	Error ellipse: s-maj=71.7km s-min=15.6km az=68.0.								
ISC	**III**	**27 04 38 07.4–.43**	**3.45N–.05**	**126.51E–.10**	**53**	**4.5b**	**82**	**3-140**	
IDC	III	27 04 38 00.2–.49	3.50N	126.54E	0	4.4,4.3			¶12612767
ISCJB	III	27 04 38 05.3–.29	3.50N–.03	126.66E–.05	53	4.4b,3.3s			
NEIC	III	27 04 38 05.3–.25	3.39N	126.50E	35	4.6b,3.3s			
DJA	III	27 04 38 10.3–1.1	3N–8.0	126E–4.0	10	5.2b,4.8b			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
ISC	**III**	**28 11 00 50.9–.69**	**3.6N–.10**	**126.4E–.20**	**10**	**3.9b**	**14**	**4-85**	
ISCJB	III	28 11 00 49.1–.63	3.59N–.09	126.5E–.30	10	3.9b,3.3s			¶14716823
IDC	III	28 11 00 49.5–.69	3.58N	126.51E	0	4.1,4.0			
MAN	III	28 11 01 51	7.39N	124.75E	29	4.0b,2.8L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=39.9km s-min=11.5km az=169.6.								
IDC	Error ellipse: s-maj=48.6km s-min=14.3km az=77.0.								
ISC	**III**	**28 15 41 19.0–.32**	**3.89N–.04**	**126.54E–.05**	**45**	**4.7b,3.9s**	**208**	**3-140**	
MOS	III	28 15 41 15.9–.95	3.87N	126.41E	34	4.8b,3.9s			¶15153448
BJI	III	28 15 41 16.0	3.79N	126.38E	34	5.1b,4.8b			
ISCJB	III	28 15 41 17.4–.20	3.89N–.03	126.62E–.04	45	4.6b,3.9s			
NEIC	III	28 15 41 17.2–.26	3.81N	126.34E	35	4.7b,3.9s			
IDC	III	28 15 41 17.5–3.7	3.85N	126.44E	31–27	4.3,4.2			
DJA	III	28 15 41 21.4–.50	4N–5.0	127E–5.0	10	4.9b,4.8			
AUST	III	28 15 41 24.5	4.00N	127.01E	100	4.9b,4.8			
ISC	Event type se.								
MOS	Error ellipse: s-maj=15.0km s-min=7.1km az=108.7.								
ISCJB	Event type se. Error ellipse: s-maj=6.5km s-min=2.9km az=150.4.								
NEIC	Event type se. Error ellipse: s-maj=10.0km s-min=5.4km az=81.0.								
IDC	Error ellipse: s-maj=26.5km s-min=11.5km az=79.0.								
IDC	**III**	**28 19 51 55.3–2.0**	**3.21N**	**125.48E**	**0**	**3.5,3.2b**			
									¶12635798
IDC	Error ellipse: s-maj=195.5km s-min=25.7km az=65.0.								
IDC	**III**	**29 01 09 22.8–2.2**	**4.20N**	**126.60E**	**0**	**3.6,3.4s**			
									¶12635826
IDC	Error ellipse: s-maj=168.4km s-min=27.5km az=66.0.								
IDC	**III**	**29 01 33 03.4–1.2**	**4.21N**	**126.67E**	**0**	**3.9,3.8b**			
									¶12635828
IDC	Error ellipse: s-maj=88.9km s-min=17.8km az=71.0.								
IDC	**III**	**29 01 33 52.4–1.7**	**4.28N**	**126.73E**	**0**	**4.0,3.8b**			
									¶12635829
IDC	Error ellipse: s-maj=100.8km s-min=23.2km az=68.0.								
IDC	**III**	**29 06 36 13.8–2.0**	**4.44N**	**127.28E**	**0**	**3.8,3.6b**			
									¶12635845
IDC	Error ellipse: s-maj=83.3km s-min=21.3km az=64.0.								
IDC	**III**	**29 22 45 41.9–1.8**	**3.99N**	**126.45E**	**0**	**3.7,3.5b**			
									¶12635893
IDC	Error ellipse: s-maj=114.1km s-min=22.8km az=69.0.								
IDC	**III**	**29 23 48 03.2–1.1**	**3.53N**	**127.02E**	**0**	**4.1,3.9b**			
									¶12635896
IDC	Error ellipse: s-maj=106.4km s-min=15.7km az=71.0.								
IDC	**III**	**30 09 28 51.8–.90**	**4.90N**	**127.18E**	**0**	**3.8,3.6b**			
									¶12635931
IDC	Error ellipse: s-maj=64.4km s-min=17.5km az=76.0.								

IDC III 30 19 38 37.3–1.4 3.50N 126.55E 0 4.0,3.8b ¶12635976
IDC Error ellipse: s-maj=162.4km s-min=21.4km az=66.0.
IDC III 30 22 14 40.2–1.2 3.42N 126.62E 0 3.9,3.7b ¶12635986
IDC Error ellipse: s-maj=99.3km s-min=18.7km az=70.0.
IDC III 31 01 23 39.0–1.2 3.61N 126.92E 0 4.4s,4.4 ¶12635997
IDC Error ellipse: s-maj=102.4km s-min=18.2km az=71.0.
IDC III 31 03 15 25.0–1.8 4.73N 126.41E 0 3.7,3.6b ¶12635999
IDC Error ellipse: s-maj=106.8km s-min=24.2km az=68.0.
ISC III 31 11 31 21.2–.27 3.90N–.03 126.77E–.03 33–0 5.2b,4.8s 823 3-169
BJI III 31 11 31 14.0 3.31N 127.13E 35 5.1b,5.1b ¶15153489
IDC III 31 11 31 19.4–1.2 3.92N 126.61E 21–7 4.8b,4.8
MOS III 31 11 31 19.4–1.3 3.93N 126.72E 33 5.4b,4.9s
NEIC III 31 11 31 21.3–.14 3.90N 126.78E 35 5.3b,5.3W
ISCJB III 31 11 31 21.2–.38 3.91N–.02 126.84E–.02 51–3 5.2b,4.8s
GCMT III 31 11 31 22.8–.10 3.99N 126.82E 26–0 5.4W,4.8s
DJA III 31 11 31 25.6–.30 4N–3.0 127E–2.0 71–3 5.8,5.5b
AUST III 31 11 31 26.7–.21 3.79N 126.92E 90–0 5.8,5.5b
ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=7.2km az=75.0.
MOS Error ellipse: s-maj=10.0km s-min=5.0km az=113.5.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.6km az=74.0. Felt [III] at Melonguanne. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s231.00000°,δ57.00000°,λ148.00000°. NP2:ϕ_s340.00000°,δ63.00000°,λ38.00000°. Principal axes: T 1.0300,Plg44.0000° ,Azm198.0000°; N -0.0400,Plg44.0000°,Azm9.0000°; P -0.9900,Plg4.0000°,Azm104.0000° $M_0$1.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.8km az=161.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c119; s93,c164; Moment tensor: Scale 10^{17}Nm; M_{rr}0.83±.02 $M_{\theta\theta}$0.64±.02; $M_{\phi\phi}$-1.47±.02; $M_{r\theta}$-0.54±.04; $M_{\theta\phi}$-0.32±.02; $M_{\phi r}$-0.02±.04; Best double couple: NP1:ϕ_s335.00000°,δ56.00000°,λ37.00000°. NP2:ϕ_s222.00000°,δ60.00000°,λ139.00000°. Principal axes: T 1.2900,Plg49.0000° ,Azm186.0000°; N 0.2300,Plg41.0000°,Azm11.0000°; P -1.5200,Plg2.0000°,Azm279.0000° $M_0$1.40000×10^{17}
AUST Error ellipse: s-maj=0.9km s-min=0.5km az=234.0.
IDC III 31 11 51 47.8–1.6 3.72N 126.72E 0 3.7,3.5b ¶12636027
IDC Error ellipse: s-maj=103.9km s-min=19.6km az=70.0.
IDC III 31 13 58 46.5–1.7 3.92N 126.86E 0 3.5,3.3b ¶12636032
IDC Error ellipse: s-maj=99.6km s-min=23.0km az=68.0.
IDC III 31 17 53 01.7–6.9 3.13N 127.68E 0 3.7,3.5 ¶12636045
IDC Error ellipse: s-maj=113.3km s-min=90.4km az=134.0.
IDC IV 01 00 37 45.1–1.9 2.36N 125.32E 0 3.7,3.5 ¶16152197
IDC Error ellipse: s-maj=116.2km s-min=24.9km az=68.0.
IDC IV 01 01 15 10.6–1.8 3.87N 126.68E 0 3.8,3.6 ¶16152200
IDC Error ellipse: s-maj=98.3km s-min=25.3km az=68.0.
IDC IV 01 02 13 19.8–1.7 3.90N 126.87E 0 3.8,3.6 ¶16152202
IDC Error ellipse: s-maj=96.9km s-min=23.1km az=68.0.
IDC IV 01 07 34 41.7–1.2 4.07N 126.89E 0 3.7,3.6 ¶16152213
IDC Error ellipse: s-maj=107.3km s-min=15.0km az=71.0.
IDC IV 01 11 46 19.5–2.2 4.74N 127.06E 0 3.4,3.2 ¶16152222
IDC Error ellipse: s-maj=173.1km s-min=25.5km az=66.0.
ISC IV 01 12 19 22.9–.90 4.60N–.07 125.5E–.10 10 3.6b 9 2-85
IDC IV 01 12 19 21.8–1.1 4.54N 125.60E 0 3.9,3.6 ¶16152223
ISC Event type ke.
IDC Error ellipse: s-maj=66.4km s-min=20.3km az=75.0.
IDC IV 02 07 58 03.2–1.8 3.90N 126.85E 0 3.9,3.7 ¶16152261
IDC Error ellipse: s-maj=103.4km s-min=23.8km az=69.0.
IDC IV 02 08 01 13.8–1.7 3.56N 127.71E 0 3.8,3.7b ¶16152262
IDC Error ellipse: s-maj=112.6km s-min=18.4km az=71.0.
IDC IV 02 08 32 35.7–.73 4.16N 126.69E 0 4.1,4.0 ¶16152263
IDC Error ellipse: s-maj=47.8km s-min=15.0km az=79.0.
IDC IV 02 09 25 12.2–2.0 3.89N 127.19E 0 3.6,3.4 ¶16152264
IDC Error ellipse: s-maj=149.4km s-min=25.5km az=66.0.
IDC IV 02 10 31 41.7–1.9 2.68N 125.04E 0 3.4,3.2 ¶16152266
IDC Error ellipse: s-maj=194.5km s-min=25.3km az=64.0.
IDC IV 02 11 16 00.8–1.8 3.95N 126.63E 0 3.7,3.6 ¶16152268
IDC Error ellipse: s-maj=103.7km s-min=23.8km az=69.0.
ISC IV 02 22 10 32.7–.52 3.44N–.06 127.18E–.10 48 4.2b,3.8s 56 3-123
IDC IV 02 22 10 26.2–.65 3.33N 126.90E 0 4.1,4.0 ¶12934288
ISCJB IV 02 22 10 31.0–.40 3.54N–.04 127.23E–.07 48 4.2b,3.8s
NEIC IV 02 22 10 31.3–.36 3.31N 126.89E 35 4.5b,3.8s
DJA IV 02 22 10 33.8–3.2 4N–4.0 127E–4.0 19–39 5.3b,4.7
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type se.
IDC IV 02 22 25 35.4–1.1 2.51N 125.04E 0 3.8,3.7 ¶16152289
IDC Error ellipse: s-maj=122.6km s-min=18.3km az=66.0.
IDC IV 02 22 28 10.0–2.3 3.05N 126.16E 0 3.6,3.4 ¶16152290
IDC Error ellipse: s-maj=205.4km s-min=26.5km az=65.0.
IDC IV 02 22 34 19.0–2.0 3.06N 126.92E 0 3.7,3.5 ¶16152291
IDC Error ellipse: s-maj=116.0km s-min=24.3km az=70.0.
IDC IV 02 23 24 33.2–1.3 3.89N 127.03E 0 3.8,3.7 ¶16152296
IDC Error ellipse: s-maj=95.6km s-min=17.7km az=73.0.
IDC IV 02 23 51 11.1–2.0 3.38N 126.90E 0 3.6,3.5 ¶16152298
IDC Error ellipse: s-maj=122.0km s-min=24.0km az=70.0.
ISC IV 03 00 06 34.7–.37 3.40N–.03 127.12E–.05 33–1 4.7b,4.4s 154 3-149
BJI IV 03 00 06 27.2 2.69N 127.18E 35 5.0b,4.8b ¶15153526
IDC IV 03 00 06 28.9–.59 3.36N 126.90E 0 4.4,4.3
ISCJB IV 03 00 06 32.5–.24 3.46N–.03 127.08E–.04 33 4.6b,4.2s
NEIC IV 03 00 06 33.7–.36 3.35N 126.95E 35 4.9b,4.2s
AUST IV 03 00 06 35.4 3.50N 127.00E 60 4.9b,4.2s
DJA IV 03 00 06 39.1–.40 3N–3.0 127E–3.0 10 5.1b,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IV 03 07 15 48.6–2.1 3.19N 127.68E 0 4.2s,4.2 ¶16152306
IDC Error ellipse: s-maj=120.8km s-min=24.0km az=71.0.
IDC IV 03 14 54 23.9–.78 3.31N 126.97E 0 4.1,4.0 ¶16152315
IDC Error ellipse: s-maj=44.0km s-min=14.1km az=69.0.
IDC IV 03 16 02 04.2–.88 3.37N 127.15E 0 3.8,3.7 ¶16152320
IDC Error ellipse: s-maj=75.6km s-min=17.3km az=71.0.
ISC IV 03 17 22 36.6–.92 3.9N–.10 125.5E–.30 35 3.8b 11 3-85
IDC IV 03 17 22 31.5–.85 3.95N 125.61E 0 4.0,3.8 ¶16152322
ISC Event type ke.
IDC Error ellipse: s-maj=48.5km s-min=16.1km az=70.0.
ISC IV 03 20 03 09.6–.54 3.76N–.04 126.72E–.07 45 4.1b,3.2s 52 3-85
IDC IV 03 20 03 03.5–.77 3.69N 126.49E 0 4.1,3.9 ¶12934372
ISCJB IV 03 20 03 07.9–.34 3.79N–.03 126.77E–.05 45 4.1b,3.3s
NEIC IV 03 20 03 08.2–.49 3.70N 126.48E 35 4.4b,3.3s
DJA IV 03 20 03 14.1–.70 4N–8.0 127E–3.0 112–14 4.6b,4.4b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IV 04 04 45 25.3–1.9 2.50N 125.08E 0 3.5,3.3 ¶16152342
IDC Error ellipse: s-maj=184.1km s-min=26.3km az=64.0.
IDC IV 04 05 47 56.8–2.2 3.66N 127.10E 0 3.9,3.7 ¶16152344
IDC Error ellipse: s-maj=189.6km s-min=26.2km az=65.0.
IDC IV 04 08 52 51.8–.96 3.52N 126.36E 0 4.2,4.1b ¶16152348
IDC Error ellipse: s-maj=116.8km s-min=15.8km az=67.0.
IDC IV 04 10 19 13.9–1.6 4.97N 127.33E 0 3.4,3.3 ¶16152350
IDC Error ellipse: s-maj=148.7km s-min=19.4km az=69.0.
IDC IV 04 10 29 05.6–1.1 3.49N 125.52E 0 3.7,3.5 ¶16152352
IDC Error ellipse: s-maj=134.2km s-min=17.2km az=67.0.
ISC IV 04 10 44 18.8–.41 4.71N–.05 127.84E–.09 104 4.2b 88 3-144
NEIC IV 04 10 44 11.3–.36 4.74N 127.74E 35 4.4b ¶15153558
ISCJB IV 04 10 44 16.9–.30 4.72N–.04 127.90E–.06 104 4.2b
AUST IV 04 10 44 19.6 4.50N 127.51E 100 4.2b
IDC IV 04 10 44 23.1–2.9 4.65N 127.73E 147–26 3.9,3.8
DJA IV 04 10 44 31.6–1.9 4N–21 128E–8.0 130–9 6.9b,6.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 04 11 28 36.7–1.9 3.44N 127.22E 0 3.6,3.4 ¶16152355
IDC Error ellipse: s-maj=111.6km s-min=22.6km az=70.0.
IDC IV 04 14 04 28.9–1.6 3.51N 126.82E 0 3.8,3.6 ¶16152369
IDC Error ellipse: s-maj=95.8km s-min=23.0km az=68.0.
IDC IV 04 14 38 18.4–2.1 4.87N 126.55E 0 3.8s,3.8 ¶16152371
IDC Error ellipse: s-maj=160.4km s-min=26.2km az=66.0.
IDC IV 04 16 23 43.1–1.3 4.99N 126.63E 0 3.7,3.6 ¶16152375
IDC Error ellipse: s-maj=136.4km s-min=19.1km az=69.0.
IDC IV 04 20 09 56.6–2.4 3.51N 126.83E 0 3.5,3.3 ¶16152382
IDC Error ellipse: s-maj=207.8km s-min=25.8km az=66.0.
IDC IV 04 20 10 57.2–1.9 4.19N 127.41E 0 3.7,3.5 ¶16152383
IDC Error ellipse: s-maj=103.8km s-min=25.1km az=69.0.
ISC IV 05 18 11 10.3–.86 3.78N–.09 126.8E–.10 36 3.8b,3.2s 17 3-92
IDC IV 05 18 11 05.0–.85 3.79N 126.56E 0 3.8,3.7 ¶12934550
ISCJB IV 05 18 11 08.6–.66 3.71N–.08 126.7E–.10 36 3.7b,3.2s
MAN IV 05 18 11 17 4.31N 126.72E 58 5.0b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=41.5km s-min=16.2km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=22.9km s-min=7.0km az=157.0.
IDC IV 06 10 39 18.2–1.9 3.95N 126.89E 0 3.5,3.3 ¶16152454
IDC Error ellipse: s-maj=109.0km s-min=23.9km az=70.0.
IDC IV 06 21 03 46.2–1.1 3.51N 126.71E 0 3.8,3.6 ¶16152476
IDC Error ellipse: s-maj=56.5km s-min=17.4km az=72.0.
ISC IV 07 00 31 04.2–.67 3.6N–.10 126.5E–.20 53 4.2b 38 4-123
IDC IV 07 00 30 57.0–.76 3.66N 126.36E 0 4.2,4.1 ¶12934752
NEIC IV 07 00 31 02.5–.48 3.69N 126.36E 35 4.5b,4.1
ISCJB IV 07 00 31 02.5–.57 3.67N–.10 126.3E–.10 53 4.2b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 07 08 50 04.5–1.4 3.40N 126.69E 0 3.5,3.4 ¶16152498
IDC Error ellipse: s-maj=155.6km s-min=21.2km az=68.0.
IDC IV 07 15 02 36.1–1.4 4.04N 127.11E 0 3.6,3.5 ¶16152510
IDC Error ellipse: s-maj=105.9km s-min=18.9km az=73.0.
IDC IV 07 23 08 38.3–.84 3.39N 126.35E 0 3.9,3.8 ¶13438144
IDC Error ellipse: s-maj=70.7km s-min=14.6km az=72.0.
IDC IV 08 09 14 04.2–1.6 3.88N 126.54E 0 3.9s,3.9 ¶16152543
IDC Error ellipse: s-maj=105.5km s-min=22.2km az=68.0.
IDC IV 08 22 05 58.0–1.4 3.51N 126.63E 0 3.5,3.4 ¶16152564
IDC Error ellipse: s-maj=159.4km s-min=21.3km az=69.0.
ISC IV 09 06 14 30.5–.40 3.64N–.03 126.75E–.06 42–2 4.9b,4.1s 277 3-157
BJI IV 09 06 14 23.4 3.11N 126.93E 35 5.0b,5.0b ¶13438222
IDC IV 09 06 14 24.2–.45 3.62N 126.63E 0 4.7,4.6
MOS IV 09 06 14 27.5–1.0 3.60N 126.60E 33 5.2b,4.6
NEIC IV 09 06 14 29.7–.21 3.61N 126.69E 35 5.0b,4.6
ISCJB IV 09 06 14 31.2–.46 3.64N–.02 126.84E–.04 67–4 4.8b,4.6
DJA IV 09 06 14 33.1–.40 4N–3.0 127E–3.0 61–4 5.3b,5.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 09 07 48 04.6–1.4 3.78N 127.07E 0 3.9,3.8b ¶16152579
IDC Error ellipse: s-maj=99.1km s-min=18.1km az=69.0.
ISC IV 09 22 10 31.4–.40 3.68N–.03 126.69E–.04 57–3 4.9b,4.0s 334 3-166
BJI IV 09 22 10 20.6 2.91N 126.98E 35 4.9b,4.8b ¶15153632
IDC IV 09 22 10 23.8–.41 3.68N 126.59E 0 4.7,4.7
MOS IV 09 22 10 27.1–1.1 3.74N 126.60E 33 5.2b,4.7
NEIC IV 09 22 10 29.0–.24 3.71N 126.66E 35 5.0b,4.7
ISCJB IV 09 22 10 30.6–.47 3.71N–.02 126.81E–.03 67–4 4.8b,4.7
DJA IV 09 22 10 31.6–.40 4N–3.0 127E–3.0 54–4 5.3b,5.1
AUST IV 09 22 10 32.0–.37 3.54N 126.65E 61–0 5.3b,5.1
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=10.2km az=74.0.
MOS Error ellipse: s-maj=13.9km s-min=6.3km az=117.4.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.3km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.4km az=157.3.
AUST Error ellipse: s-maj=0.9km s-min=0.7km az=229.0.
IDC IV 10 16 03 23.8–1.7 4.00N 126.83E 0 3.7,3.5 ¶16152630
IDC Error ellipse: s-maj=103.4km s-min=23.3km az=68.0.
ISC IV 11 09 50 50.6–.55 3.69N–.04 125.5E–.10 116 4.2b 35 2-91
IDC IV 11 09 50 51.7–1.9 3.72N 125.40E 128–16 3.9,3.9 ¶12935041
DJA IV 11 09 50 59.8–.60 3N–5.0 126E–4.0 142–8 5.4b,4.8
ISC Event type ke.
IDC IV 11 10 10 33.8–4.3 3.02N 126.07E 0 4.0,3.8 ¶16152660
IDC Error ellipse: s-maj=177.8km s-min=66.4km az=71.0.
ISC IV 11 21 45 21.9–.26 4.32N–.03 125.59E–.04 159–1 4.9b 485 3-167
BJI IV 11 21 45 21.4 4.40N 125.50E 158 4.9b,4.7b ¶12582047
ISCJB IV 11 21 45 21.5–.26 4.39N–.02 125.66E–.02 167–2 4.9b,4.7b
IDC IV 11 21 45 21.7–.53 4.34N 125.52E 156–4 4.6,4.6
NEIC IV 11 21 45 22.2–.61 4.40N 125.48E 159–5 4.8b,4.6
GCMT IV 11 21 45 22.4–.20 4.26N 125.60E 142–2 5.1W,4.6
DJA IV 11 21 45 24.0–.30 4N–2.0 126E–2.0 156–3 6.8,5.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s43,c53; s84,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.23±.16 $M_{\theta\theta}$-2.26±.15; $M_{\phi\phi}$2.50±.18; $M_{r\theta}$1.31±.10; $M_{\theta\phi}$1.49±.15; $M_{\phi r}$-4.15±.12; Best double couple: NP1:ϕ_s244.00000°,δ32.00000°,λ-4.00000°. NP2:ϕ_s337.00000°,δ88.00000°,λ-122.00000°. Principal axes: T 5.5300,Plg35.0000° ,Azm94.0000°; N -0.7700,Plg32.0000°,Azm338.0000°; P -4.7500,Plg38.0000° ,Azm218.0000° $M_0$5.10000×10^{16}

IDC IV 12 21 13 50.4–.95 3.72N 126.52E 0 3.8,3.7b ¶16152729

IDC Error ellipse: s-maj=53.8km s-min=15.4km az=71.0.

IDC IV 13 08 24 09.4–1.8 3.59N 127.12E 0 3.6,3.5 ¶16152745

IDC Error ellipse: s-maj=107.4km s-min=23.9km az=68.0.

IDC IV 13 10 30 26.4–2.3 3.38N 127.34E 0 3.3,3.1 ¶16152751

IDC Error ellipse: s-maj=187.9km s-min=24.1km az=67.0.

IDC IV 13 14 39 27.0–1.7 4.42N 127.23E 0 3.7,3.6 ¶16152762

IDC Error ellipse: s-maj=164.3km s-min=20.4km az=68.0.

ISC	**IV**	**13 16 52 42.9–.99**	**4.20N–.04**	**125.60E–.08**	**68–11**	**4.1b**	**43**	**2-61**
IDC	IV	13 16 52 34.5–.76	4.28N	125.68E	0	4.1,4.0b		¶12935174
MAN	IV	13 16 52 40	4.35N	125.27E	18	5.0b,4.0s		
ISCJB	IV	13 16 52 41.6–.61	4.22N–.04	125.71E–.09	76–7	4.1b,4.0s		
NEIC	IV	13 16 52 42.2–1.4	4.21N	125.57E	62–14	4.5b,4.0s		
DJA	IV	13 16 52 48.3–.50	4N–4.0	126E–5.0	85–9	4.7b,4.6		

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

IDC IV 13 21 09 27.2–1.5 3.65N 126.28E 0 3.6,3.5 ¶16152776

IDC Error ellipse: s-maj=116.8km s-min=17.9km az=69.0.

IDC IV 15 06 49 26.6–1.4 3.35N 126.20E 0 3.7,3.7 ¶16152808

IDC Error ellipse: s-maj=124.7km s-min=18.9km az=70.0.

ISC	**IV**	**17 15 59 57.4–.32**	**4.75N–.03**	**125.48E–.04**	**227–2**	**4.5b**	**305**	**1-141**
NEIC	IV	17 15 59 35.8–.32	4.91N	125.17E	35	4.7b		¶15153778
BJI	IV	17 15 59 51.2	4.30N	125.63E	213	4.8b,4.5b		
AUST	IV	17 15 59 56.2–.24	4.63N	125.38E	212–0	4.8b,4.5b		
IDC	IV	17 15 59 56.9–.69	4.68N	125.34E	224–6	4.0,4.0		
ISCJB	IV	17 15 59 56.4–.23	4.76N–.02	125.52E–.03	230–2	4.4b,4.0		
DJA	IV	17 15 59 58.1–.30	5N–3.0	125E–2.0	213–3	5.1,5.0b		

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

ISC	**IV**	**17 16 05 43.7–.52**	**3.89N–.07**	**126.1E–.20**	**100**	**4.0b**	**34**	**2-122**
IDC	IV	17 16 05 30.9–.50	3.84N	126.18E	0	4.2,4.1		¶16152931
ISCJB	IV	17 16 05 41.9–.44	3.82N–.07	126.1E–.10	100	3.9b,4.1		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IV**	**17 18 43 25.5–1.4**	**4.5N–.20**	**127.2E–.30**	**81**	**3.6b**	**8**	**3-39**
IDC	IV	17 18 43 16.7–2.8	4.41N	127.07E	0	4.0,3.8		¶16152939
ISCJB	IV	17 18 43 23.7–1.2	4.5N–.20	127.4E–.30	81	3.6b,3.8		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IV**	**18 04 31 35.3–.59**	**3.6N–.10**	**126.8E–.20**	**48**	**4.2b**	**47**	**4-123**
IDC	IV	18 04 31 29.2–.76	3.65N	126.79E	0	4.2,4.1b		¶12935576
ISCJB	IV	18 04 31 33.5–.43	3.65N–.08	126.8E–.10	48	4.2b,4.1b		
NEIC	IV	18 04 31 33.8–.41	3.66N	126.83E	35	4.3b,4.1b		

ISC Event type ke.
IDC Error ellipse: s-maj=48.8km s-min=14.3km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=20.8km s-min=7.2km az=154.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=7.4km az=66.0.

IDC IV 18 15 13 38.5–1.2 4.03N 126.93E 0 3.7,3.6 ¶16152994

IDC Error ellipse: s-maj=95.4km s-min=18.0km az=71.0.

ISC	**IV**	**18 15 41 42.9–.87**	**4.1N–.10**	**126.7E–.20**	**45**	**3.7s,3.6b**	**14**	**3-123**
IDC	IV	18 15 41 36.8–1.0	4.06N	126.56E	0	4.0,3.8		¶16152995
ISCJB	IV	18 15 41 41.3–.70	4.02N–.09	126.7E–.20	45	3.8b,3.6s		

ISC Event type ke.
ISCJB Event type ke.

IDC IV 18 21 37 17.8–1.9 3.83N 126.68E 0 3.9,3.8b ¶16153006

IDC Error ellipse: s-maj=153.7km s-min=25.1km az=65.0.

IDC IV 18 22 05 14.8–1.7 3.09N 126.71E 0 3.9,3.8 ¶16153007

IDC Error ellipse: s-maj=103.4km s-min=23.2km az=68.0.

IDC IV 18 22 58 13.7–.79 3.10N 126.73E 0 4.0,3.9b ¶16153009

IDC Error ellipse: s-maj=55.1km s-min=16.0km az=74.0.

IDC IV 19 01 46 35.8–1.7 3.08N 126.28E 0 3.7,3.5 ¶16153015

IDC Error ellipse: s-maj=117.1km s-min=22.9km az=69.0.

ISC	**IV**	**19 05 23 27.2–.25**	**4.12N–.02**	**126.74E–.03**	**34–0**	**5.9b,5.9s**	**1774**	**1-169**
IDC	IV	19 05 23 22.2–.29	4.15N	126.67E	0	5.8,5.8s		¶13545964
BJI	IV	19 05 23 22.7	3.77N	126.78E	38	6.2b,6.1s		
MOS	IV	19 05 23 25.5–1.1	4.14N	126.73E	33	6.2b,5.9s		
NEIC	IV	19 05 23 25.9–.10	4.14N	126.68E	25	6.1W,5.9b		
TEH	IV	19 05 23 27.0	4.11N	126.73E	35	6.4L,5.9b		
ISCJB	IV	19 05 23 28.8–.33	4.12N–.01	126.77E–.02	65–2	5.8b,5.9b		
GCMT	IV	19 05 23 29.9–.10	4.14N	126.87E	25–0	6.1W,5.9b		
AUST	IV	19 05 23 30.4–.20	3.96N	126.85E	59–0	6.1W,5.9b		
DJA	IV	19 05 23 32.1–.30	4N–2.0	127E–2.0	67–3	6.4b,6.3		

ISC Event type fe.
NEIC Event type fe. Felt [III] in the Kepulauan Talaud. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. $M_0$3.40000×10^{18}
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=233, per= 50. Moment Tensor Solution. s106,c239; s93,c142; Moment tensor: Scale 10^{18}Nm; M_{rr}1.54±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-1.56±.01; $M_{r\theta}$0.20±.03; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$0.28±.02; Best double couple: NP1:ϕ_s180.00000°,δ40.00000°,λ81.00000°. NP2:ϕ_s12.00000°,δ51.00000°,λ98.00000°. Principal axes: T 1.5900,Plg82.0000°,Azm325.0000°; N 0.0300,Plg6.0000°,Azm187.0000° ; P -1.6100,Plg5.0000°,Azm97.0000° $M_0$1.60000×10^{18}

ISC	**IV**	**19 05 35 10.7–.40**	**4.22N–.05**	**126.96E–.07**	**36**	**4.6b**	**88**	**2-149**
DJA	IV	19 05 34 57.9–2.4	5N–10	128E–8.0	31–29	5.2b,5.2		¶15153817
IDC	IV	19 05 35 05.7–.55	4.17N	126.73E	0	5.0s,5.0		
ISCJB	IV	19 05 35 09.2–.29	4.25N–.04	127.06E–.05	36	5.4s,4.5b		
NEIC	IV	19 05 35 10.7–.35	4.20N	126.96E	35	4.8b,4.5b		
AUST	IV	19 05 35 45.2	2.00N	127.50E	200	4.8b,4.5b		

ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=12.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.6km az=158.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.5km az=73.0.

IDC IV 19 05 41 51.2–2.0 4.19N 126.57E 0 3.6,3.4 ¶16153020

IDC Error ellipse: s-maj=121.7km s-min=23.9km az=69.0.

ISC	**IV**	**19 05 43 21.1–.65**	**4.2N–.10**	**126.8E–.20**	**36**	**4.3b**	**31**	**3-123**
IDC	IV	19 05 43 15.8–.69	4.18N	126.80E	0	4.2,4.1		¶12935707
ISCJB	IV	19 05 43 19.0–.49	4.14N–.09	126.7E–.20	36	4.1b,4.1		
NEIC	IV	19 05 43 20.9–.40	4.14N	126.80E	35	4.7b,4.1		

ISC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=13.7km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=24.4km s-min=8.6km az=157.6.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=7.7km az=71.0.

IDC IV 19 05 46 14.8–1.5 4.20N 126.84E 0 3.8,3.7 ¶16153021

IDC Error ellipse: s-maj=111.5km s-min=18.6km az=72.0.

IDC IV 19 05 59 15.9–1.9 4.06N 126.65E 0 3.7,3.5 ¶16153022

IDC Error ellipse: s-maj=108.6km s-min=25.1km az=70.0.

ISC	**IV**	**19 06 01 13.7–.43**	**4.12N–.04**	**126.92E–.06**	**34–1**	**4.8s,4.5b**	**172**	**1-158**
IDC	IV	19 06 01 08.4–.42	4.06N	126.72E	0	4.4,4.4		¶15153818
NEIC	IV	19 06 01 13.5–.20	4.08N	126.83E	35	4.5b,4.4		
BJI	IV	19 06 01 14.2	4.42N	126.88E	36	5.4b,4.9s		
AUST	IV	19 06 01 15.9	4.50N	127.51E	100	5.4b,4.9s		
ISCJB	IV	19 06 01 15.3–.55	4.06N–.03	126.83E–.05	67–5	4.4b,4.9s		
DJA	IV	19 06 01 21.5–.50	4N–4.0	127E–4.0	50	5.2b,4.8		

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

IDC IV 19 06 09 19.9–1.2 4.06N 126.53E 0 3.8,3.7 ¶16153023

IDC Error ellipse: s-maj=95.4km s-min=16.2km az=69.0.

ISC	**IV**	**19 06 14 50.4–.28**	**4.09N–.03**	**126.78E–.04**	**41–2**	**4.8b,4.6s**	**289**	**2-161**
BJI	IV	19 06 14 43.4	3.55N	127.01E	35	5.2b,4.9s		¶15153806
IDC	IV	19 06 14 45.0–.35	4.12N	126.65E	0	4.6,4.6		
NEIC	IV	19 06 14 50.1–.21	4.14N	126.81E	35	4.8b,4.6		
TEH	IV	19 06 14 50.0	4.16N	126.93E	35	4.9L,4.6		
ISCJB	IV	19 06 14 50.5–.53	4.14N–.02	126.85E–.04	54–4	4.8b,4.6s		
DJA	IV	19 06 14 54.7–.50	4N–4.0	127E–4.0	66–4	5.7b,5.2		
AUST	IV	19 06 14 56.0	3.50N	126.50E	60	5.7b,5.2		

ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=8.5km az=78.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.7km az=164.5.

ISC	**IV**	**19 06 17 51.8–.59**	**4.05N–.09**	**126.7E–.20**	**45**	**4.4b**	**44**	**8-123**
IDC	IV	19 06 17 45.4–.65	4.07N	126.73E	0	4.4,4.3		¶15153814
ISCJB	IV	19 06 17 49.9–.48	4.08N–.07	126.7E–.10	45	4.3b,4.3		
NEIC	IV	19 06 17 50.5–.40	4.07N	126.76E	35	4.6b,4.3		
AUST	IV	19 06 18 00.6	3.50N	126.00E	100	4.6b,4.3		

ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=14.2km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=8.3km az=166.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=7.8km az=73.0.

IDC IV 19 06 19 45.4–1.1 4.36N 127.23E 0 4.3,4.2 ¶16153025

IDC Error ellipse: s-maj=105.6km s-min=17.9km az=73.0.

IDC IV 19 06 27 29.3–1.4 4.03N 126.67E 0 3.9,3.7 ¶16153027

IDC Error ellipse: s-maj=96.3km s-min=18.0km az=68.0.

IDC IV 19 06 31 22.7–1.4 4.05N 126.62E 0 4.1s,4.1 ¶16153029

IDC Error ellipse: s-maj=109.7km s-min=16.6km az=69.0.

IDC IV 19 07 05 34.1–.80 3.76N 126.97E 0 3.9,3.7 ¶16153031

IDC Error ellipse: s-maj=47.6km s-min=16.0km az=75.0.

IDC IV 19 07 15 24.1–1.6 4.05N 126.62E 0 4.0,3.9 ¶16153033

IDC Error ellipse: s-maj=160.0km s-min=18.8km az=66.0.

IDC IV 19 07 16 36.6–1.3 4.39N 127.24E 0 3.9,3.9 ¶16153034

IDC Error ellipse: s-maj=100.8km s-min=15.7km az=70.0.

IDC IV 19 07 32 35.5–1.3 4.26N 126.99E 0 4.0,3.9b ¶16153035

IDC Error ellipse: s-maj=99.9km s-min=16.5km az=68.0.

IDC IV 19 07 54 38.5–1.4 4.07N 126.61E 0 4.1,3.9 ¶16153038

IDC Error ellipse: s-maj=99.5km s-min=18.8km az=68.0.

IDC IV 19 08 06 58.6–.65 4.16N 126.70E 0 4.1,4.1 ¶16153039

IDC Error ellipse: s-maj=36.6km s-min=13.2km az=73.0.

IDC IV 19 08 24 58.4–2.2 4.43N 127.20E 0 3.6,3.4 ¶16153041

IDC Error ellipse: s-maj=165.3km s-min=27.0km az=66.0.

IDC IV 19 09 30 43.0–1.7 4.09N 126.66E 0 4.0,3.9b ¶16153043

IDC Error ellipse: s-maj=105.4km s-min=22.4km az=68.0.

IDC IV 19 09 55 40.0–1.3 4.39N 127.27E 0 3.8s,3.8 ¶16153044

IDC Error ellipse: s-maj=97.0km s-min=17.9km az=70.0.

ISC	**IV**	**19 09 58 29.7–.33**	**4.19N–.04**	**126.88E–.07**	**36**	**4.5b,3.8s**	**180**	**3-145**
IDC	IV	19 09 58 25.7–3.2	4.12N	126.68E	12–19	4.4,4.4		¶15153819
BJI	IV	19 09 58 25.3	3.79N	126.86E	37	4.9b,4.6b		
ISCJB	IV	19 09 58 27.9–.23	4.22N–.03	126.89E–.05	36	4.5b,3.9s		
NEIC	IV	19 09 58 29.3–.34	4.20N	126.88E	35	4.6b,3.9s		
AUST	IV	19 09 58 31.8–.81	4.20N	126.95E	66–0	4.6b,3.9s		
DJA	IV	19 09 58 32.6–.50	4N–5.0	127E–4.0	63–12	5.4b,4.8b		

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

IDC IV 19 10 23 29.4–1.5 4.35N 127.36E 0 3.8,3.8b ¶16153045

IDC Error ellipse: s-maj=194.1km s-min=16.7km az=69.0.

IDC IV 19 10 40 27.5–1.9 4.23N 127.25E 0 3.5,3.4 ¶16153046

IDC Error ellipse: s-maj=105.6km s-min=24.0km az=70.0.

IDC IV 19 10 43 34.1–1.2 4.06N 126.52E 0 3.8,3.7 ¶16153047

IDC Error ellipse: s-maj=96.0km s-min=18.1km az=71.0.

IDC IV 19 11 26 23.5–2.2 4.17N 126.87E 0 3.4,3.2 ¶16153049

IDC Error ellipse: s-maj=176.6km s-min=25.8km az=66.0.

ISC	**IV**	**19 11 50 34.8–.99**	**4.1N–.20**	**126.8E–.40**	**36**	**3.9b**	**19**	**4-61**
IDC	IV	19 11 50 29.5–1.1	4.07N	126.64E	0	4.0,3.8b		¶14717389
ISCJB	IV	19 11 50 32.3–.82	4.1N–.10	126.8E–.40	36	3.9b,3.2s		
NEIC	IV	19 11 50 34.2–.66	4.11N	126.81E	35	4.0b,3.2s		
MAN	IV	19 11 51 29	7.38N	124.56E	32	4.2b,3.1L		

ISC Event type ke.
IDC Error ellipse: s-maj=108.3km s-min=15.6km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=53.6km s-min=11.3km az=162.9.
NEIC Event type se. Error ellipse: s-maj=44.2km s-min=9.4km az=73.0.

IDC IV 19 12 25 11.4–1.8 4.13N 126.65E 0 3.7,3.5b ¶16153051

IDC Error ellipse: s-maj=98.1km s-min=24.5km az=68.0.

IDC IV 19 12 32 08.2–1.9 4.12N 126.78E 0 3.5,3.3 ¶16153052

IDC Error ellipse: s-maj=107.4km s-min=23.8km az=69.0.

IDC IV 19 12 35 22.5–2.0 3.40N 127.42E 0 3.4,3.3 ¶16153053

IDC Error ellipse: s-maj=121.4km s-min=22.8km az=70.0.

IDC IV 19 12 54 18.3–1.4 3.78N 126.89E 0 3.6,3.5 ¶16153054

IDC Error ellipse: s-maj=97.4km s-min=19.3km az=73.0.

IDC IV 19 13 16 23.4–2.3 4.06N 126.44E 0 3.4,3.2 ¶16153056

IDC Error ellipse: s-maj=199.8km s-min=25.8km az=65.0.

IDC IV 19 14 16 53.6–3.2 4.19N 127.58E 0 3.5,3.3 ¶16153063

IDC Error ellipse: s-maj=283.9km s-min=25.5km az=67.0.

IDC IV 19 14 42 30.8–1.4 4.14N 126.86E 0 3.4,3.3 ¶16153066

IDC Error ellipse: s-maj=112.0km s-min=19.9km az=74.0.

IDC IV 19 14 51 33.0–2.2 4.33N 127.26E 0 3.5,3.3 ¶16153067

IDC Error ellipse: s-maj=175.1km s-min=25.4km az=66.0.

ISC	**IV**	**19 15 23 44.4–.56**	**4.09N–.03**	**126.72E–.05**	**31–3**	**4.9b,4.5s**	**371**	**1-161**
IDC	IV	19 15 23 39.7–.38	4.04N	126.66E	0	4.8,4.7		¶15153808
MOS	IV	19 15 23 43.0–1.0	4.00N	126.67E	33	5.2b,4.5s		
NEIC	IV	19 15 23 44.6–.18	4.04N	126.68E	35	5.0b,4.5s		
ISCJB	IV	19 15 23 45.8–.45	4.04N–.02	126.86E–.03	60–4	4.9b,4.6s		
BJI	IV	19 15 23 46.8	3.74N	126.75E	93	5.0b,4.8b		
GCMT	IV	19 15 23 47.0–.20	4.16N	126.86E	26–0	5.2W,4.8b		
DJA	IV	19 15 23 49.4–.40	4N–3.0	127E–3.0	71–4	6.5,5.3b		

AUST IV 19 15 23 50.5–.26 4.00N 126.92E 97–0 6.5,5.3b
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=9.9km az=74.0.
MOS Error ellipse: s-maj=12.5km s-min=6.1km az=114.6.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.4km az=166.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c98; s72,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}6.56±.19 $M_{\theta\theta}$0.06±.13; $M_{\phi\phi}$-6.62±.15; $M_{r\theta}$-1.84±.27; $M_{\theta\phi}$1.10±.10; $M_{\phi r}$1.95±.26; Best double couple: NP1:ϕ_s183.00000°,δ37.00000°,λ109.00000°. NP2:ϕ_s339.00000°,δ55.00000°,λ76.00000°. Principal axes: T 7.2400,Plg75.0000° ,Azm207.0000°; N -0.0700,Plg12.0000°,Azm347.0000°; P -7.1600,Plg9.0000°,Azm79.0000° M_o7.20000×10^{16}
AUST Error ellipse: s-maj=0.9km s-min=0.7km az=42.0.
IDC IV 19 15 58 13.7–1.1 4.15N 127.06E 0 3.7,3.6
¶16153069
IDC Error ellipse: s-maj=69.0km s-min=15.4km az=68.0.
IDC IV 19 16 01 49.9–1.9 4.16N 127.06E 0 3.4,3.3
¶16153070
IDC Error ellipse: s-maj=104.2km s-min=23.9km az=70.0.
IDC IV 19 16 06 18.9–1.9 4.14N 126.72E 0 3.5,3.3
¶16153072
IDC Error ellipse: s-maj=114.6km s-min=23.9km az=69.0.
ISC IV 19 16 17 53.9–.69 4.17N–.09 126.8E–.20 36 3.8b 19 3-60
IDC IV 19 16 17 47.9–.84 4.15N 126.89E 0 4.0,3.8 ¶15153811
ISCJB IV 19 16 17 51.5–.60 4.12N–.09 126.8E–.20 36 3.7b,3.8
AUST IV 19 16 17 58.2 4.00N 127.01E 100 3.7b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=51.6km s-min=14.4km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=27.1km s-min=8.4km az=156.0.
IDC IV 19 16 50 42.6–1.2 4.10N 126.59E 0 3.7,3.6
¶16153075
IDC Error ellipse: s-maj=111.3km s-min=16.1km az=71.0.
IDC IV 19 17 00 36.5–2.1 4.23N 126.84E 0 3.6,3.4
¶16153076
IDC Error ellipse: s-maj=161.8km s-min=26.6km az=66.0.
IDC IV 19 17 16 09.0–1.1 4.02N 126.54E 0 3.8,3.7s
¶16153077
IDC Error ellipse: s-maj=110.5km s-min=15.1km az=71.0.
IDC IV 19 17 17 23.7–.85 4.03N 126.66E 0 4.0,3.9
¶16153078
IDC Error ellipse: s-maj=52.2km s-min=14.3km az=71.0.
IDC IV 19 17 21 10.5–1.7 4.14N 126.91E 0 3.3,3.2
¶16153079
IDC Error ellipse: s-maj=116.5km s-min=19.5km az=70.0.
IDC IV 19 17 38 41.4–1.4 4.20N 126.69E 0 3.6,3.5
¶16153082
IDC Error ellipse: s-maj=77.1km s-min=17.1km az=65.0.
ISC IV 19 17 42 34.7–.33 4.16N–.04 126.80E–.05 36 4.5b,4.0s 120 3-123
IDC IV 19 17 42 29.6–.48 4.05N 126.65E 0 4.7L,4.3 ¶15153809
BJI IV 19 17 42 32.9 4.20N 126.69E 30 4.9b,4.5b
ISCJB IV 19 17 42 33.2–.24 4.17N–.03 126.92E–.03 36 4.5b,3.9s
DJA IV 19 17 42 35.3–1.4 4N–4.0 127E–4.0 35–12 5.2b,5.0
AUST IV 19 17 42 36.4 4.00N 127.01E 60 5.2b,5.0
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=10.7km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=174.4.
IDC IV 19 18 24 11.9–2.2 4.00N 126.79E 0 3.2,3.1
¶16153084
IDC Error ellipse: s-maj=180.8km s-min=26.0km az=66.0.
IDC IV 19 19 56 18.7–2.1 4.11N 126.46E 0 3.6,3.5
¶16153087
IDC Error ellipse: s-maj=190.1km s-min=26.4km az=65.0.
IDC IV 19 21 09 13.3–1.1 4.17N 126.91E 0 3.9,3.8
¶16153090
IDC Error ellipse: s-maj=88.4km s-min=15.0km az=70.0.
IDC IV 19 21 14 37.9–1.6 4.28N 126.90E 0 3.8,3.7
¶16153091
IDC Error ellipse: s-maj=148.2km s-min=20.2km az=66.0.
IDC IV 19 23 08 56.3–.82 3.95N 126.45E 0 3.8,3.7
¶16153100
IDC Error ellipse: s-maj=54.8km s-min=15.7km az=75.0.
ISC IV 19 23 18 23.9–.54 4.09N–.08 126.8E–.10 36 4.1b,3.3s 46 3-123
IDC IV 19 23 18 18.6–.62 4.10N 126.86E 0 4.3,4.2 ¶12935610
ISCJB IV 19 23 18 21.8–.45 4.12N–.06 126.87E–.10 36 4.2b,3.3s
NEIC IV 19 23 18 22.5–3.4 4.10N 126.91E 28–24 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=13.9km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=6.8km az=160.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.8km az=69.0.
IDC IV 19 23 39 24.8–1.2 4.10N 126.68E 0 4.1,3.9b
¶16153101
IDC Error ellipse: s-maj=107.6km s-min=16.3km az=71.0.
IDC IV 20 00 55 28.4–1.5 3.49N 126.46E 0 3.7,3.6
¶16153104
IDC Error ellipse: s-maj=197.2km s-min=19.9km az=68.0.
IDC IV 20 01 34 54.6–1.1 4.25N 126.85E 0 3.8,3.6
¶16153107
IDC Error ellipse: s-maj=73.0km s-min=21.8km az=71.0.
ISC IV 20 01 48 43.1–.53 4.01N–.08 126.7E–.20 45 4.2b,3.0s 58 3-123
IDC IV 20 01 48 37.1–.60 4.04N 126.71E 0 4.3,4.2 ¶15153840
ISCJB IV 20 01 48 41.2–.36 4.01N–.05 126.7E–.10 45 4.2b,3.2s
NEIC IV 20 01 48 42.0–.30 4.03N 126.73E 35 4.4b,3.2s
AUST IV 20 01 50 05.5–2.4 1.91S 127.30E 449–0 4.4b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=12.6km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=6.3km az=162.4.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.0km az=77.0.
AUST Error ellipse: s-maj=3.4km s-min=1.3km az=225.0.
IDC IV 20 02 50 40.6–.86 3.36N 126.27E 0 3.9,3.7
¶16153109
IDC Error ellipse: s-maj=64.7km s-min=17.1km az=74.0.
IDC IV 20 03 18 21.0–1.8 4.36N 127.15E 0 3.8,3.6
¶16153110
IDC Error ellipse: s-maj=105.8km s-min=23.2km az=68.0.
IDC IV 20 04 08 31.6–.80 4.08N 126.61E 0 4.2,4.0b
¶16153113
IDC Error ellipse: s-maj=50.3km s-min=14.2km az=68.0.
IDC IV 20 05 20 35.9–1.2 4.02N 126.70E 0 3.9,3.7
¶16153117
IDC Error ellipse: s-maj=88.9km s-min=18.1km az=71.0.
IDC IV 20 05 28 52.9–1.4 4.01N 126.54E 0 3.7,3.6
¶16153118
IDC Error ellipse: s-maj=103.9km s-min=18.4km az=68.0.
IDC IV 20 10 16 54.4–1.0 4.04N 126.43E 0 3.7,3.6
¶16489724
IDC Error ellipse: s-maj=61.3km s-min=18.0km az=78.0.
IDC IV 20 10 40 36.3–1.9 3.94N 126.39E 0 3.6,3.4
¶16153131
IDC Error ellipse: s-maj=115.6km s-min=23.9km az=69.0.
IDC IV 20 11 10 49.8–2.4 3.91N 126.57E 0 3.6s,3.6
¶16153134
IDC Error ellipse: s-maj=210.4km s-min=25.5km az=66.0.
IDC IV 20 11 17 19.5–1.2 3.27N 126.92E 0 3.7,3.6
¶16153135
IDC Error ellipse: s-maj=95.3km s-min=16.4km az=70.0.
IDC IV 20 13 34 12.6–1.7 3.96N 126.50E 0 3.5,3.3
¶16153142
IDC Error ellipse: s-maj=98.3km s-min=23.1km az=68.0.
IDC IV 20 13 35 00.2–1.7 4.08N 126.98E 0 3.7,3.5
¶16153145
IDC Error ellipse: s-maj=96.7km s-min=23.1km az=68.0.

IDC IV 20 14 22 56.4–1.7 4.25N 126.91E 0 3.9,3.7
¶16153149
IDC Error ellipse: s-maj=94.1km s-min=23.2km az=68.0.
IDC IV 20 14 27 46.0–1.9 4.15N 126.77E 0 3.6,3.4
¶16153150
IDC Error ellipse: s-maj=104.9km s-min=25.6km az=70.0.
ISC IV 20 15 05 31.4–.93 4.35N–.08 126.97E–.07 36 3.8b 21 2-67
IDC IV 20 15 05 26.2–1.1 4.18N 126.89E 0 3.8,3.7 ¶12935832
ISCJB IV 20 15 05 29.5–.62 4.29N–.06 126.97E–.06 36 3.7b,3.7
DJA IV 20 15 05 29.1–.60 5N–4.0 127E–4.0 58–14 4.5b,4.4b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 20 15 18 10.6–.39 4.18N–.05 126.98E–.06 36 4.3b 115 2-123
IDC IV 20 15 18 05.0–.47 4.05N 126.74E 0 4.3,4.3 ¶15153846
ISCJB IV 20 15 18 08.6–.25 4.15N–.03 126.96E–.04 36 4.3b,4.3
NEIC IV 20 15 18 10.4–.30 4.07N 126.82E 35 4.5b,4.3
AUST IV 20 15 18 12.7 4.00N 127.01E 60 4.5b,4.3
DJA IV 20 15 18 12.0–1.3 4N–6.0 127E–3.0 26–12 5.4b,4.9
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type se.
IDC IV 20 16 00 03.4–2.0 4.27N 127.32E 0 3.9,3.7
¶16153154
IDC Error ellipse: s-maj=139.9km s-min=26.4km az=65.0.
IDC IV 20 21 07 19.6–2.2 4.12N 126.84E 0 3.5,3.4
¶16153169
IDC Error ellipse: s-maj=211.6km s-min=23.6km az=67.0.
IDC IV 20 21 10 31.5–1.2 4.12N 126.83E 0 3.6,3.5
¶16153170
IDC Error ellipse: s-maj=99.5km s-min=16.0km az=70.0.
ISC IV 20 21 18 56.5–.47 4.05N–.05 126.77E–.09 20–4 4.4b,3.7s 105 3-123
BJI IV 20 21 18 48.6 3.22N 126.69E 10 5.0b,4.7s ¶15153836
IDC IV 20 21 18 53.0–.60 3.83N 126.58E 0 4.3,4.2
NEIC IV 20 21 18 58.0–1.1 3.77N 126.51E 35–10 4.4b,4.2
DJA IV 20 21 19 09.1–.70 4N–5.0 127E–5.0 110–6 5.0b,4.6
AUST IV 20 21 19 12.5 3.00N 127.00E 100 5.0b,4.6
ISC Event type ke.
IDC Error ellipse: s-maj=37.7km s-min=12.8km az=70.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=4.9km az=71.0.
IDC IV 21 01 10 09.6–1.1 4.17N 126.90E 0 4.0,3.9
¶15153894
IDC Error ellipse: s-maj=68.8km s-min=15.1km az=68.0.
ISC IV 21 01 10 27.3–.42 4.23N–.05 126.88E–.07 36 4.5b 100 3-158
IDC IV 21 01 10 21.9–.46 4.15N 126.68E 0 4.4,4.4 ¶16153179
AUST IV 21 01 10 22.2 4.50N 127.01E 30 4.4,4.4
ISCJB IV 21 01 10 25.2–.29 4.21N–.03 126.84E–.05 36 4.4b,4.4
NEIC IV 21 01 10 26.9–.32 4.15N 126.80E 35 4.7b,4.4
DJA IV 21 01 10 29.7–3.0 4N–11 127E–13 34–31 5.8b,5.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IV 21 03 16 52.3–1.7 4.12N 126.35E 0 3.9,3.8
¶16153184
IDC Error ellipse: s-maj=105.2km s-min=23.0km az=68.0.
IDC IV 21 05 06 43.0–1.5 4.09N 126.71E 0 3.7,3.6
¶16153188
IDC Error ellipse: s-maj=107.0km s-min=18.5km az=69.0.
IDC IV 21 05 58 53.5–6.6 3.32N 127.80E 0 3.7,3.5
¶16153191
IDC Error ellipse: s-maj=141.9km s-min=103.7km az=77.0.
ISC IV 21 06 54 26.0–.65 4.55N–.10 127.9E–.20 66 4.1b 26 23-90
IDC IV 21 06 54 17.9–.74 4.59N 127.89E 0 4.0,3.9 ¶12935891
NEIC IV 21 06 54 22.9–.48 4.60N 127.91E 35 4.2b,3.9
ISCJB IV 21 06 54 24.3–.51 4.57N–.08 127.8E–.20 66 4.0b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 21 07 48 34.2–2.1 4.43N 127.13E 0 3.7,3.6
¶16153199
IDC Error ellipse: s-maj=170.1km s-min=24.3km az=65.0.
IDC IV 21 12 48 42.2–2.0 3.32N 125.18E 0 3.5,3.3
¶16153209
IDC Error ellipse: s-maj=192.2km s-min=25.8km az=64.0.
IDC IV 21 12 53 47.7–1.6 3.72N 126.74E 0 3.8,3.7
¶16153210
IDC Error ellipse: s-maj=149.5km s-min=20.0km az=65.0.
IDC IV 21 13 05 15.9–1.7 3.89N 126.69E 0 3.6,3.5
¶16153213
IDC Error ellipse: s-maj=107.0km s-min=23.2km az=68.0.
IDC IV 21 14 10 31.5–1.6 4.05N 126.52E 0 3.7,3.5
¶16153214
IDC Error ellipse: s-maj=94.9km s-min=22.3km az=67.0.
IDC IV 21 14 30 16.8–2.0 3.53N 126.61E 0 3.6,3.4
¶16153216
IDC Error ellipse: s-maj=186.2km s-min=24.4km az=65.0.
IDC IV 21 14 53 14.6–1.1 4.05N 126.66E 0 4.0,3.8
¶16153217
IDC Error ellipse: s-maj=105.5km s-min=14.6km az=71.0.
IDC IV 22 05 01 43.2–1.6 4.09N 126.99E 0 3.8,3.6
¶16153255
IDC Error ellipse: s-maj=100.7km s-min=22.3km az=68.0.
IDC IV 22 05 30 42.0–1.9 3.99N 127.13E 0 3.6,3.4
¶16153256
IDC Error ellipse: s-maj=103.7km s-min=23.8km az=70.0.
IDC IV 22 13 35 39.1–1.7 3.99N 127.03E 0 3.8,3.6
¶16153266
IDC Error ellipse: s-maj=96.2km s-min=22.9km az=68.0.
IDC IV 22 19 45 39.6–1.4 4.31N 127.09E 0 4.2,4.1
¶16153272
IDC Error ellipse: s-maj=71.2km s-min=21.3km az=69.0.
IDC IV 23 00 57 09.6–2.6 4.73N 127.68E 0 3.6,3.4
¶16153284
IDC Error ellipse: s-maj=218.2km s-min=27.1km az=67.0.
IDC IV 23 08 03 17.2–2.0 4.27N 127.04E 0 3.6,3.4
¶16153296
IDC Error ellipse: s-maj=106.1km s-min=24.9km az=70.0.
ISC IV 23 11 04 58.2–.66 4.13N–.07 126.6E–.10 10 4.1b,3.6s 37 4-123
ISCJB IV 23 11 04 56.2–.47 4.07N–.06 126.6E–.10 10 4.1b,3.4s ¶12936018
IDC IV 23 11 04 56.6–.69 4.12N 126.67E 0 4.2,4.1
NEIC IV 23 11 05 01.6–.36 4.06N 126.68E 35 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=7.9km az=165.0.
IDC Error ellipse: s-maj=42.1km s-min=13.5km az=71.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.5km az=76.0.
ISC IV 23 12 16 20.9–.43 4.39N–.03 126.84E–.04 66–3 5.2b 563 3-169
IDC IV 23 12 16 12.3–.35 4.45N 126.81E 0 5.5L,5.0 ¶15153913
MOS IV 23 12 16 15.7–1.0 4.46N 126.81E 33 5.5b,4.6s
BJI IV 23 12 16 16.2 3.85N 126.80E 74 5.2b,5.0b
NEIC IV 23 12 16 19.3–.82 4.42N 126.82E 52–7 5.2b,5.0b
AUST IV 23 12 16 20.1–.17 4.42N 126.95E 58–0 5.2b,5.0b
GCMT IV 23 12 16 20.1–.10 4.48N 126.94E 26–0 5.5W,5.0b
ISCJB IV 23 12 16 20.4–.38 4.38N–.02 126.89E–.02 77–3 5.1b,5.0b
DJA IV 23 12 16 21.9–.30 4N–2.0 127E–2.0 62–3 5.8,5.7
TEH IV 23 12 16 22.0 4.33N 126.74E 75 5.4L,5.7
MAN IV 23 12 16 23 4.50N 126.67E 31 5.8b,5.4s
ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=9.2km az=77.0.
MOS Error ellipse: s-maj=9.5km s-min=5.1km az=111.3.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.2km az=76.0. Felt [IV] at Beo and [III] at Melonguanne.
AUST Error ellipse: s-maj=0.8km s-min=0.5km az=226.0.

GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s77,c115; s88,c155; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.02 $M_{\theta\theta}$0.11±.02; $M_{\phi\phi}$-0.09±.02; $M_{r\theta}$-0.29±.03; $M_{\theta\phi}$-0.27±.01; $M_{\phi r}$2.45±.06; Best double couple: NP1:ϕ_s263.00000°,δ7.00000°,λ180.00000°. NP2:ϕ_s353.00000°,δ90.00000°,λ83.00000°. Principal axes: T 2.4600,Plg45.0000° ,Azm256.0000°; N 0.0400,Plg7.0000°,Azm353.0000°; P -2.5000,Plg45.0000°,Azm90.0000° M_o2.50000×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=160.7.

IDC	**IV**	**24 05 30 58.8–1.6**	**3.74N**	**125.83E**	**0**	**4.0,3.9**			**¶16153326**
IDC		Error ellipse: s-maj=186.6km s-min=19.6km az=65.0.							
ISC	**IV**	**24 07 42 30.9–.67**	**4.17N–.09**	**126.9E–.20**	**36**	**4.2b**	**32**	**4-90**	
IDC	IV	24 07 42 25.4–.71	4.19N	126.86E	0	4.2,4.1			**¶12936098**
ISCJB	IV	24 07 42 28.9–.49	4.16N–.08	126.8E–.20	36	4.1b,4.1			
NEIC	IV	24 07 42 30.6–.46	4.17N	126.88E	35	4.1b,4.1			
ISC		Event type se.							
IDC		Error ellipse: s-maj=41.1km s-min=12.7km az=73.0.							
ISCJB		Event type se. Error ellipse: s-maj=27.8km s-min=8.8km az=164.7.							
NEIC		Event type se. Error ellipse: s-maj=26.1km s-min=8.1km az=74.0.							
ISC	**IV**	**24 07 43 28.7–.62**	**4.11N–.10**	**126.7E–.20**	**45**	**4.3b,3.1s**	**39**	**3-123**	
IDC	IV	24 07 43 22.5–.69	4.10N	126.64E	0	4.4L,4.3			**¶12936097**
NEIC	IV	24 07 43 25.6–3.3	4.09N	126.66E	22–24	4.5b,4.3			
ISCJB	IV	24 07 43 26.6–.47	4.08N–.08	126.6E–.20	45	4.2b,3.2s			
ISC		Event type ke.							
NEIC		Event type se.							
ISCJB		Event type ke.							
ISC	**IV**	**24 10 21 42.8–.64**	**4.14N–.08**	**126.91E–.10**	**36**	**4.2b**	**35**	**1-123**	
IDC	IV	24 10 21 37.5–.69	4.19N	126.88E	0	4.2,4.0			**¶12936088**
ISCJB	IV	24 10 21 41.0–.48	4.23N–.06	126.98E–.06	36	4.1b,4.0			
NEIC	IV	24 10 21 42.8–.35	4.14N	126.81E	35	4.5b,4.0			
DJA	IV	24 10 21 45.8–1.3	5N–6.0	126E–4.0	19–13	5.0b,4.6b			
ISC		Event type se.							
ISCJB		Event type se.							
NEIC		Event type se.							
IDC	**IV**	**24 14 15 52.0–1.9**	**4.15N**	**126.75E**	**0**	**3.6,3.5**			**¶16153337**
IDC		Error ellipse: s-maj=107.0km s-min=23.6km az=69.0.							
IDC	**IV**	**24 21 40 35.3–1.6**	**3.65N**	**126.92E**	**0**	**3.8,3.6**			**¶16153352**
IDC		Error ellipse: s-maj=113.7km s-min=19.2km az=70.0.							
ISC	**IV**	**25 05 47 38.0–.60**	**3.54N–.09**	**126.4E–.20**	**53**	**4.2b,3.8s**	**35**	**4-123**	
IDC	IV	25 05 47 30.8–.66	3.56N	126.40E	0	4.2,4.1			**¶12936176**
ISCJB	IV	25 05 47 36.0–.46	3.56N–.07	126.4E–.20	53	4.2b,3.8s			
NEIC	IV	25 05 47 36.2–.34	3.56N	126.38E	35	4.6b,3.8s			
ISC		Event type se.							
IDC		Error ellipse: s-maj=36.3km s-min=13.2km az=77.0.							
ISCJB		Event type se. Error ellipse: s-maj=24.7km s-min=8.6km az=167.0.							
NEIC		Event type se. Error ellipse: s-maj=18.9km s-min=6.3km az=74.0.							
IDC	**IV**	**25 05 59 29.6–2.0**	**4.56N**	**127.62E**	**0**	**3.8,3.6**			**¶16153367**
IDC		Error ellipse: s-maj=105.4km s-min=24.9km az=70.0.							
IDC	**IV**	**25 17 12 52.0–1.6**	**3.97N**	**126.91E**	**0**	**3.7,3.5**			**¶16153388**
IDC		Error ellipse: s-maj=103.2km s-min=19.3km az=70.0.							
IDC	**IV**	**25 19 47 08.5–2.3**	**4.12N**	**127.48E**	**0**	**3.6,3.4**			**¶16153391**
IDC		Error ellipse: s-maj=177.3km s-min=26.7km az=66.0.							
ISC	**IV**	**26 18 14 21.0–.25**	**4.05N–.03**	**126.68E–.05**	**39–2**	**5.1b,4.3s**	**582**	**1-166**	
IDC	IV	26 18 14 15.0–.33	4.04N	126.65E	0	5.0,5.0			**¶13439109**
BJI	IV	26 18 14 16.7	3.81N	126.86E	35	5.2b,5.0b			
MOS	IV	26 18 14 18.9–1.1	4.06N	126.55E	33	5.3b,4.3s			
NEIC	IV	26 18 14 20.4–.14	4.02N	126.57E	35	5.1b,4.3s			
ISCJB	IV	26 18 14 21.6–.38	4.03N–.02	126.85E–.03	62–3	5.0b,4.3s			
GCMT	IV	26 18 14 24.2–.40	4.04N	126.78E	29–0	5.1W,4.3s			
DJA	IV	26 18 14 24.8–.40	4N–3.0	127E–3.0	78–5	5.4,5.2b			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							

GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s28,c34; s49,c66; Moment tensor: Scale 10^{16}Nm; M_{rr}4.39±.31 $M_{\theta\theta}$0.84±.19; $M_{\phi\phi}$-5.23±.23; $M_{r\theta}$0.97±.32; $M_{\theta\phi}$-1.04±.19; $M_{\phi r}$-0.71±.32; Best double couple: NP1:ϕ_s25.00000°,δ44.00000°,λ113.00000°. NP2:ϕ_s174.00000°,δ50.00000°,λ69.00000°. Principal axes: T 4.7300,Plg74.0000° ,Azm20.0000°; N 0.7100,Plg16.0000°,Azm188.0000°; P -5.4300,Plg3.0000°,Azm279.0000° M_o5.10000×10^{16}

IDC	**IV**	**26 20 52 46.2–.89**	**4.03N**	**126.72E**	**0**	**4.0,3.8**			**¶16154534**
IDC		Error ellipse: s-maj=50.5km s-min=16.1km az=70.0.							
IDC	**IV**	**27 10 19 40.0–1.7**	**3.94N**	**126.93E**	**0**	**4.1,3.9b**			**¶16154555**
IDC		Error ellipse: s-maj=101.9km s-min=22.4km az=68.0.							
ISC	**IV**	**27 19 27 31.1–.67**	**4.2N–.10**	**126.9E–.20**	**36**	**3.8b**	**25**	**4-123**	
IDC	IV	27 19 27 25.5–.81	4.27N	126.98E	0	4.0,3.9			**¶15153986**
ISCJB	IV	27 19 27 28.8–.55	4.33N–.08	127.0E–.10	36	3.8b,3.9			
AUST	IV	27 19 27 34.6	4.00N	127.51E	60	3.8b,3.9			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=48.2km s-min=15.4km az=70.0.							
ISCJB		Event type ke. Error ellipse: s-maj=18.5km s-min=7.9km az=152.5.							
IDC	**IV**	**27 23 12 14.6–1.6**	**4.14N**	**127.06E**	**0**	**3.9,3.7**			**¶16154576**
IDC		Error ellipse: s-maj=142.9km s-min=21.7km az=66.0.							
IDC	**IV**	**29 01 54 21.0–1.2**	**4.05N**	**126.74E**	**0**	**3.8,3.6**			**¶16154604**
IDC		Error ellipse: s-maj=78.5km s-min=22.5km az=71.0.							
ISC	**IV**	**29 14 23 45.4–.58**	**3.39N–.06**	**127.85E–.07**	**84**	**4.0b**	**49**	**2-124**	
IDC	IV	29 14 23 41.8–2.9	3.57N	128.04E	63–27	4.7L,4.1			**¶15154021**
ISCJB	IV	29 14 23 42.5–.36	3.59N–.04	127.96E–.05	84	4.2b,4.1			
AUST	IV	29 14 23 45.3	3.50N	128.00E	100	4.2b,4.1			
DJA	IV	29 14 23 47.3–.80	3N–7.0	128E–4.0	51–9	5.1b,5.0			
ISC		Event type ke.							
ISCJB		Event type ke.							
IDC	**IV**	**29 16 48 20.6–1.8**	**2.74N**	**125.39E**	**0**	**3.7,3.5**			**¶16154632**
IDC		Error ellipse: s-maj=202.3km s-min=25.6km az=63.0.							
IDC	**IV**	**29 19 29 32.0–1.7**	**3.60N**	**126.97E**	**0**	**3.7,3.5**			**¶16154644**
IDC		Error ellipse: s-maj=102.3km s-min=23.2km az=68.0.							
ISC	**V**	**01 00 05 27.0–.64**	**4.06N–.10**	**126.8E–.20**	**10**	**4.1b**	**22**	**3-123**	
IDC	V	01 00 05 25.3–.65	4.01N	126.76E	0	4.2,4.0			**¶15154045**
ISCJB	V	01 00 05 25.4–.50	4.05N–.08	126.7E–.20	10	4.0b,4.0			
AUST	V	01 00 06 10.4–8.0	3.35N	126.30E	446–0	4.0b,4.0			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=43.7km s-min=13.4km az=72.0.							
ISCJB		Event type ke. Error ellipse: s-maj=27.3km s-min=9.2km az=164.7.							
AUST		Error ellipse: s-maj=4.6km s-min=1.4km az=241.0.							
IDC	**V**	**01 04 01 16.8–2.4**	**3.69N**	**126.31E**	**0**	**3.6,3.4**			**¶16154687**
IDC		Error ellipse: s-maj=251.1km s-min=24.2km az=65.0.							
IDC	**V**	**01 11 15 11.1–2.1**	**3.62N**	**126.67E**	**0**	**3.7,3.5**			**¶16154702**
IDC		Error ellipse: s-maj=178.3km s-min=26.3km az=65.0.							
ISC	**V**	**02 10 55 37.1–.42**	**3.82N–.03**	**126.79E–.04**	**45–3**	**4.7b,4.0s**	**315**	**1-150**	
IDC	V	02 10 55 30.6–.40	3.87N	126.60E	0	4.7,4.7			**¶15154061**
MOS	V	02 10 55 33.9–1.1	3.92N	126.70E	33	5.0b,4.7			
BJI	V	02 10 55 34.0	3.90N	126.80E	35	4.9b,4.8b			
NEIC	V	02 10 55 35.9–.21	3.89N	126.73E	35	4.8b,4.8b			
ISCJB	V	02 10 55 36.9–.48	3.88N–.02	126.83E–.03	62–4	4.7b,4.8b			
AUST	V	02 10 55 39.9–.01	3.73N	126.84E	71–0	4.7b,4.8b			
DJA	V	02 10 55 41.5–.40	4N–3.0	127E–3.0	62–7	5.2b,5.2			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							
IDC	**V**	**02 18 22 28.0–1.9**	**3.87N**	**126.35E**	**0**	**3.7,3.5**			**¶16154844**
IDC		Error ellipse: s-maj=114.1km s-min=23.9km az=69.0.							
IDC	**V**	**03 00 57 52.4–1.7**	**3.53N**	**126.83E**	**0**	**4.1,3.9**			**¶16154852**
IDC		Error ellipse: s-maj=95.4km s-min=23.6km az=68.0.							
IDC	**V**	**03 13 31 32.8–2.0**	**3.93N**	**126.83E**	**0**	**3.6,3.4**			**¶16154864**
IDC		Error ellipse: s-maj=152.3km s-min=25.3km az=66.0.							
IDC	**V**	**03 18 51 54.7–2.3**	**3.98N**	**126.83E**	**0**	**3.7,3.5**			**¶16154875**
IDC		Error ellipse: s-maj=202.3km s-min=26.3km az=65.0.							
IDC	**V**	**04 07 29 11.2–1.3**	**4.07N**	**127.04E**	**0**	**4.1,3.9**			**¶16154890**
IDC		Error ellipse: s-maj=71.0km s-min=16.7km az=67.0.							
IDC	**V**	**05 01 01 02.8–12**	**3.56N**	**126.66E**	**75–127**	**3.7,3.5**			**¶16154913**
IDC		Error ellipse: s-maj=66.3km s-min=21.3km az=73.0.							
ISC	**V**	**06 01 00 49.5–.62**	**4.2N–.10**	**126.8E–.20**	**36**	**4.1b**	**36**	**3-123**	
IDC	V	06 01 00 44.1–.66	4.17N	126.77E	0	4.1,4.0			**¶13678411**
ISCJB	V	06 01 00 47.1–.48	4.19N–.07	126.8E–.20	36	4.1b,4.0			
NEIC	V	06 01 00 49.2–.36	4.15N	126.75E	35	4.4b,4.0			
ISC		Event type se.							
IDC		Error ellipse: s-maj=40.2km s-min=13.7km az=71.0.							
ISCJB		Event type se. Error ellipse: s-maj=26.2km s-min=8.1km az=163.5.							
NEIC		Event type se. Error ellipse: s-maj=20.3km s-min=6.5km az=72.0.							
IDC	**V**	**06 05 13 59.6–.75**	**3.53N**	**126.76E**	**0**	**4.0,3.9**			**¶16155435**
IDC		Error ellipse: s-maj=57.3km s-min=14.9km az=74.0.							
IDC	**V**	**06 12 34 43.5–1.6**	**4.07N**	**126.58E**	**0**	**4.0,3.8**			**¶16155452**
IDC		Error ellipse: s-maj=94.5km s-min=22.8km az=68.0.							
IDC	**V**	**06 18 50 01.0–1.3**	**3.80N**	**127.32E**	**0**	**3.7,3.6**			**¶16155462**
IDC		Error ellipse: s-maj=91.3km s-min=18.0km az=72.0.							
ISC	**V**	**06 21 39 00.9–.38**	**3.77N–.03**	**126.66E–.05**	**84–2**	**4.5b**	**225**	**1-157**	
BJI	V	06 21 38 52.7	3.18N	126.84E	74	4.9b,4.6b			**¶15154175**
IDC	V	06 21 38 55.5–2.2	3.78N	126.44E	39–18	4.2,4.2			
DJA	V	06 21 38 56.1–1.7	4N–5.0	127E–4.0	21–13	5.2b,5.2			
ISCJB	V	06 21 38 56.9–.47	3.83N–.03	126.73E–.03	69–4	4.5b,5.2			
AUST	V	06 21 38 59.6–.27	3.77N	126.85E	78–0	4.5b,5.2			
NEIC	V	06 21 39 01.8–1.2	3.80N	126.61E	97–11	4.6b,5.2			
ISC		Event type fe.							
IDC		Error ellipse: s-maj=22.5km s-min=9.0km az=78.0.							
ISCJB		Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=155.3.							
AUST		Error ellipse: s-maj=1.0km s-min=0.7km az=43.0.							
NEIC		Event type fe. Error ellipse: s-maj=11.2km s-min=6.7km az=78.0. Felt [II] in the Kepulauan Talaud.							
ISC	**V**	**07 00 12 15.3–.46**	**3.54N–.06**	**126.48E–.09**	**53**	**4.4b,3.8s**	**111**	**1-123**	
DJA	V	07 00 11 29.3–1.2	5N–12	131E–7.0	127–19	5.4b,5.1			**¶12824803**
BJI	V	07 00 12 07.6	2.88N	126.65E	42	4.8b,4.6s			
IDC	V	07 00 12 08.9–1.0	3.68N	126.18E	0	4.2,4.1			
NEIC	V	07 00 12 13.9–1.2	3.52N	126.51E	45–10	4.6b,4.1			
ISCJB	V	07 00 12 13.4–.47	3.47N–.06	126.41E–.07	53	4.4b,3.8s			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							
IDC	**V**	**07 11 56 56.5–1.6**	**4.28N**	**126.75E**	**0**	**3.6,3.5**			**¶16155484**
IDC		Error ellipse: s-maj=158.4km s-min=20.2km az=65.0.							
IDC	**V**	**07 20 21 54.0–1.3**	**3.44N**	**126.58E**	**0**	**3.7,3.6**			**¶16155494**
IDC		Error ellipse: s-maj=104.8km s-min=19.2km az=70.0.							
ISC	**V**	**08 21 07 16.9–.60**	**3.58N–.07**	**126.83E–.09**	**48**	**3.8b**	**45**	**2-85**	
IDC	V	08 21 07 09.6–.74	3.57N	126.92E	0	3.9,3.8			**¶15154219**
DJA	V	08 21 07 10.5–.80	4N–6.0	127E–4.0	52–9	6.3b,6.0			
NEIC	V	08 21 07 15.1–.56	3.53N	126.90E	35	4.5b,6.0			
ISCJB	V	08 21 07 15.1–.40	3.61N–.04	126.82E–.06	48	4.1b,6.0			
AUST	V	08 21 07 21.6–.69	3.40N	127.01E	102–0	4.1b,6.0			
ISC		Event type se.							
IDC		Error ellipse: s-maj=44.2km s-min=13.8km az=71.0.							
NEIC		Event type se. Error ellipse: s-maj=35.1km s-min=10.0km az=72.0.							
ISCJB		Event type se. Error ellipse: s-maj=9.3km s-min=5.5km az=164.6.							
AUST		Error ellipse: s-maj=1.5km s-min=1.2km az=293.0.							
IDC	**V**	**09 11 36 58.4–1.4**	**4.13N**	**126.69E**	**0**	**3.4,3.3**			**¶16155545**
IDC		Error ellipse: s-maj=141.6km s-min=21.7km az=70.0.							
IDC	**V**	**10 11 48 14.4–30**	**4.81N**	**127.10E**	**0**	**3.7,3.5**			**¶16155588**
IDC		Error ellipse: s-maj=512.7km s-min=97.4km az=153.0.							
IDC	**V**	**11 09 28 52.9–1.8**	**3.95N**	**126.72E**	**0**	**3.8,3.6**			**¶16155631**
IDC		Error ellipse: s-maj=101.8km s-min=25.0km az=68.0.							
IDC	**V**	**11 17 59 35.5–1.5**	**2.19N**	**125.21E**	**0**	**3.7,3.5**			**¶16155642**
IDC		Error ellipse: s-maj=119.5km s-min=19.9km az=68.0.							
IDC	**V**	**11 22 54 52.4–1.5**	**4.09N**	**127.57E**	**0**	**3.7,3.5b**			**¶16155654**
IDC		Error ellipse: s-maj=142.1km s-min=21.0km az=69.0.							
IDC	**V**	**12 00 33 53.9–2.0**	**3.53N**	**126.70E**	**0**	**3.8,3.6**			**¶16155657**
IDC		Error ellipse: s-maj=118.1km s-min=24.1km az=69.0.							
ISC	**V**	**12 12 33 12.0–.42**	**3.79N–.06**	**126.95E–.08**	**48**	**5.1s,4.2b**	**75**	**2-99**	
IDC	V	12 12 33 05.5–.51	3.74N	126.86E	0	5.0s,5.0			**¶15154274**
ISCJB	V	12 12 33 09.9–.31	3.79N–.05	126.97E–.08	48	5.1s,4.3b			
NEIC	V	12 12 33 10.6–.33	3.78N	126.96E	35	4.4b,4.3b			
AUST	V	12 12 33 10.5–3.3	3.57N	126.49E	40–0	4.4b,4.3b			
DJA	V	12 12 33 18.7–1.1	3N–9.0	127E–7.0	10	4.8b,4.7b			
ISC		Event type se.							
ISCJB		Event type se.							
NEIC		Event type se.							
IDC	**V**	**12 20 22 21.9–2.1**	**4.17N**	**127.70E**	**0**	**3.6,3.3**			**¶16155688**
IDC		Error ellipse: s-maj=113.5km s-min=24.3km az=71.0.							
IDC	**V**	**13 03 22 43.6–1.8**	**4.11N**	**126.81E**	**0**	**3.8,3.7**			**¶16155695**
IDC		Error ellipse: s-maj=201.8km s-min=18.3km az=66.0.							
ISC	**V**	**13 08 54 58.5–.35**	**4.46N–.03**	**126.94E–.04**	**72–2**	**5.3b**	**755**	**3-169**	
MOS	V	13 08 54 52.2–1.0	4.43N	126.92E	33	5.7b,5.1s			**¶15154291**
IDC	V	13 08 54 52.3–2.1	4.41N	126.90E	23–13	5.0,5.0			
NEIC	V	13 08 54 54.0–.11	4.43N	126.93E	35	5.6W,5.3b			
MAN	V	13 08 54 55	4.12N	126.61E	14	6.1b,5.7s			
BJI	V	13 08 54 55.7	4.09N	126.92E	92	5.3b,5.2b			
ISCJB	V	13 08 54 56.8–.36	4.40N–.02	127.01E–.02	75–3	5.2b,5.2b			
AUST	V	13 08 54 56.4–.16	4.41N	127.17E	54–0	5.2b,5.2b			
GCMT	V	13 08 54 57.9–.10	4.48N	126.95E	25–0	5.7W,5.2b			
TEH	V	13 08 54 58.0	4.41N	126.87E	73	5.3L,5.2b			
DJA	V	13 08 54 59.4–.40	4N–3.0	127E–2.0	68–4	5.9,5.8b			
ISC		Event type se.							
NEIC		Event type se. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.82 $M_{r\theta}$0.14 $M_{\theta\phi}$1.39 $M_{\phi r}$2.32 Best double couple: NP1:ϕ_s350.00000° ,δ74.00000°,λ117.00000°. NP2:ϕ_s108.00000°,δ32.00000°,λ32.00000°. Principal axes: T 3.1200,Plg53.0000°,Azm292.0000°; N -0.2600,Plg26.0000°,Azm161.0000° ; P -2.8500,Plg23.0000°,Azm59.0000° M_o3.00000×10^{17}							
ISCJB		Event type se.							
GCMT		Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=198, per= 50. Moment Tensor Solution. s88,c150; s18,c18; Moment tensor: Scale 10^{17}Nm; M_{rr}0.34±.03 $M_{\theta\theta}$0.14±.03; $M_{\phi\phi}$-0.48±.03; $M_{r\theta}$0.62±.06; $M_{\theta\phi}$-0.36±.02; $M_{\phi r}$5.20±.11; Best double couple: NP1:ϕ_s238.00000°,δ4.00000°,λ141.00000°. NP2:ϕ_s7.00000°,δ88.00000°,λ87.00000°. Principal axes: T 5.1600,Plg47.0000°,Azm274.0000°; N 0.2200,Plg3.0000°,Azm7.0000° ; P -5.3700,Plg42.0000°,Azm100.0000° M_o5.30000×10^{17}							
IDC	**V**	**14 16 57 36.1–2.1**	**3.92N**	**126.31E**	**0**	**3.6,3.4**			

¶16155746
IDC Error ellipse: s-maj=173.7km s-min=25.4km az=65.0.
ISC V 15 03 18 57.7–.55 3.98N–.09 126.8E–.20 36 4.3b 46 4-123
IDC V 15 03 18 52.1–.65 4.01N 126.80E 0 4.3,4.1 ¶13678971
ISCJB V 15 03 18 55.6–.42 3.98N–.07 126.7E–.10 36 4.3b,4.1
NEIC V 15 03 18 57.3–.23 3.98N 126.76E 35 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=40.0km s-min=14.2km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=8.2km az=162.7.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=4.8km az=71.0.
ISC V 15 03 33 56.9–.30 4.01N–.03 126.72E–.05 40–2 4.8b,3.9s 277 2-169
IDC V 15 03 33 50.5–.48 3.97N 126.67E 0 4.7,4.6 ¶15154329
MOS V 15 03 33 54.4–1.1 3.98N 126.53E 33 5.0b,4.6
BJI V 15 03 33 55.0 3.97N 126.64E 35 4.9b,4.8b
NEIC V 15 03 33 56.4–.20 4.00N 126.66E 35 4.8b,4.8b
ISCJB V 15 03 33 57.8–.61 4.01N–.03 126.72E–.04 63–5 4.8b,4.8b
DJA V 15 03 33 57.3–.90 4N–8.0 127E–5.0 54–8 5.2b,5.0
AUST V 15 03 34 11.1–4.1 3.92N 126.76E 192–0 5.2b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=11.6km az=80.0.
MOS Error ellipse: s-maj=14.5km s-min=6.5km az=114.6.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.6km az=157.1.
AUST Error ellipse: s-maj=2.2km s-min=1.0km az=256.0.
IDC V 15 11 21 41.7–.78 3.29N 127.41E 0 4.1,4.0
¶16155769
IDC Error ellipse: s-maj=50.4km s-min=15.1km az=73.0.
IDC V 15 16 30 23.6–1.6 3.59N 127.05E 0 3.5,3.3
¶16155774
IDC Error ellipse: s-maj=171.7km s-min=21.5km az=70.0.
IDC V 16 14 08 32.3–1.9 4.52N 126.71E 0 3.7,3.5
¶16155810
IDC Error ellipse: s-maj=143.0km s-min=24.1km az=65.0.
IDC V 16 21 22 33.7–2.3 4.17N 126.31E 0 3.4,3.2
¶16155822
IDC Error ellipse: s-maj=198.1km s-min=25.5km az=65.0.
ISC V 17 05 18 10.3–.54 4.83N–.03 127.57E–.05 86–4 4.7b 246 2-131
BJI V 17 05 17 58.4 4.14N 127.68E 35 5.0b,4.8s ¶15741863
MOS V 17 05 18 02.1–.79 4.89N 127.49E 33 5.0b,4.8s
NEIC V 17 05 18 04.2–.30 4.86N 127.58E 35 4.7b,4.8s
MAN V 17 05 18 08 4.40N 127.15E 82 5.2b,4.4s
AUST V 17 05 18 09.3 5.00N 127.51E 100 5.2b,4.4s
ISCJB V 17 05 18 09.8–.51 4.81N–.02 127.43E–.05 101–4 4.6b,4.4s
IDC V 17 05 18 11.5–.74 4.81N 127.44E 102–6 4.3,4.3
DJA V 17 05 18 12.3–.50 5N–4.0 127E–5.0 109–5 4.7,4.7b
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
IDC V 17 05 41 12.7–1.6 4.71N 127.14E 0 4.1,3.9
¶16155830
IDC Error ellipse: s-maj=95.5km s-min=21.7km az=68.0.
IDC V 17 16 21 11.9–1.3 4.13N 126.91E 0 3.9,3.7
¶16155848
IDC Error ellipse: s-maj=74.8km s-min=16.6km az=66.0.
IDC V 17 17 12 06.0–1.8 4.40N 126.74E 0 3.7,3.5
¶16155851
IDC Error ellipse: s-maj=80.7km s-min=19.4km az=61.0.
IDC V 17 22 48 39.7–4.0 3.82N 127.74E 0 3.7,3.4
¶16155856
IDC Error ellipse: s-maj=240.5km s-min=32.2km az=90.0.
IDC V 17 23 00 39.5–1.7 3.85N 127.31E 0 3.8,3.7
¶16155858
IDC Error ellipse: s-maj=100.5km s-min=22.9km az=68.0.
IDC V 18 03 52 58.2–3.3 2.61N 125.24E 0 3.7,3.6
¶16155864
IDC Error ellipse: s-maj=427.8km s-min=26.5km az=63.0.
IDC V 19 02 01 22.8–3.0 4.49N 126.45E 0 3.5,3.3
¶16155893
IDC Error ellipse: s-maj=294.6km s-min=26.1km az=66.0.
ISC V 19 19 04 42.1–.73 3.34N–.09 127.4E–.10 45 4.0b 16 5-91
IDC V 19 19 04 35.1–.85 3.32N 127.32E 0 4.1,3.9 ¶15154403
AUST V 19 19 04 44.6–1.1 3.37N 127.41E 91–0 4.1,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=57.1km s-min=15.9km az=79.0.
AUST Error ellipse: s-maj=2.1km s-min=1.5km az=29.0.
IDC V 20 02 46 12.2–13 4.08N 126.46E 75–123 3.3,3.1
¶16155929
IDC Error ellipse: s-maj=214.8km s-min=29.3km az=66.0.
IDC V 20 15 14 09.8–1.1 4.17N 126.56E 0 3.7,3.6
¶16155956
IDC Error ellipse: s-maj=122.2km s-min=16.7km az=67.0.
IDC V 23 15 13 57.7–2.0 3.90N 127.22E 0 3.7,3.6
¶16156052
IDC Error ellipse: s-maj=194.6km s-min=20.6km az=66.0.
IDC V 24 14 00 17.0–1.8 3.01N 125.38E 0 3.5,3.3
¶16156102
IDC Error ellipse: s-maj=122.8km s-min=23.4km az=68.0.
IDC V 25 11 03 20.6–2.0 3.82N 126.88E 0 3.7,3.4
¶16156143
IDC Error ellipse: s-maj=154.1km s-min=25.6km az=66.0.
IDC V 25 19 50 28.1–1.3 4.50N 126.46E 0 3.8,3.7
¶16156157
IDC Error ellipse: s-maj=109.5km s-min=16.4km az=68.0.
IDC V 25 23 42 29.5–2.0 3.77N 126.97E 0 3.7,3.6
¶16156161
IDC Error ellipse: s-maj=182.3km s-min=22.3km az=67.0.
ISC V 26 16 51 44.6–.51 3.58N–.05 127.07E–.08 48 4.0b,3.7s 58 2-99
BJI V 26 16 51 38.2 3.01N 127.21E 48 4.8b,4.6s ¶15155526
IDC V 26 16 51 38.2–.83 3.55N 126.85E 0 4.1,4.0
ISCJB V 26 16 51 42.6–.40 3.63N–.04 127.07E–.06 48 4.1b,3.5s
NEIC V 26 16 51 44.2–5.1 3.58N 126.91E 48–49 4.5b,3.5s
DJA V 26 16 51 46.8–1.3 3N–11 127E–6.0 10 4.8b,4.5b
AUST V 26 16 51 58.3 2.50N 127.00E 100 4.8b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=54.6km s-min=14.2km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.4km az=162.3.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=9.9km az=63.0.
ISC V 26 17 00 36.1–.99 3.64N–.07 127.06E–.09 48 3.6b 12 2-58
IDC V 26 17 00 30.1–1.2 3.10N 125.81E 0 3.7,3.6 ¶13679690
ISCJB V 26 17 00 34.6–.79 3.67N–.07 127.06E–.08 48 3.6b,3.6
DJA V 26 17 00 37.2–1.6 3N–14 127E–5.0 10 4.3b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC V 27 11 00 11.5–2.1 4.49N 126.51E 0 3.6,3.4
¶16156220
IDC Error ellipse: s-maj=163.3km s-min=25.4km az=66.0.
IDC V 27 11 39 57.4–1.9 3.62N 127.04E 0 3.7,3.6
¶16156221
IDC Error ellipse: s-maj=105.6km s-min=26.1km az=68.0.
IDC V 27 13 03 25.0–2.0 4.31N 127.39E 0 3.8,3.6
¶16156224
IDC Error ellipse: s-maj=105.1km s-min=20.3km az=58.0.
IDC V 27 13 39 49.4–1.7 3.90N 126.83E 0 3.7,3.5
¶16156225
IDC Error ellipse: s-maj=99.9km s-min=23.6km az=68.0.
IDC V 28 09 41 22.7–11 3.78N 125.49E 223–114 3.2,3.0
AUST V 28 09 42 25.3–4.2 0.71S 126.66E 557–0 3.2,3.0 ¶16156260
IDC Error ellipse: s-maj=107.1km s-min=18.5km az=60.0.
AUST Error ellipse: s-maj=3.0km s-min=1.6km az=303.0.
IDC V 28 16 18 26.0–1.9 4.91N 126.57E 0 3.8,3.7
¶16156277

IDC Error ellipse: s-maj=150.2km s-min=24.4km az=65.0.
IDC V 29 17 24 31.2–2.0 4.20N 127.13E 0 3.6,3.4
¶16156322
IDC Error ellipse: s-maj=203.0km s-min=20.5km az=66.0.
IDC V 29 18 24 47.1–1.0 4.09N 126.70E 0 3.9,3.8b
¶16156324
IDC Error ellipse: s-maj=107.3km s-min=15.8km az=71.0.
IDC V 29 20 30 23.3–1.3 4.05N 126.30E 0 3.6s,3.6
¶16156327
IDC Error ellipse: s-maj=118.0km s-min=17.6km az=70.0.
IDC V 30 02 58 16.7–1.4 3.35N 126.24E 0 3.6,3.5
¶16066058
IDC Error ellipse: s-maj=106.4km s-min=19.3km az=72.0.
ISC V 30 05 45 14.6–.73 4.29N–.09 126.9E–.10 81 3.9b 17 3-123
IDC V 30 05 45 04.7–.76 4.53N 126.96E 0 4.2,4.0 ¶16066067
ISCJB V 30 05 45 13.1–.62 4.35N–.07 126.9E–.10 81 3.9b,4.0
DJA V 30 05 45 35.8–1.0 2N–6.0 126E–7.0 101–18 4.2b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC V 30 06 10 52.8–1.1 4.03N 126.78E 0 3.8,3.7
¶16066068
IDC Error ellipse: s-maj=90.8km s-min=15.4km az=70.0.
IDC V 31 23 16 15.8–9.9 4.59N 126.97E 154–97 3.6,3.5b
¶16066136
IDC Error ellipse: s-maj=126.4km s-min=16.8km az=68.0.
IDC VI 01 02 55 26.6–2.3 3.72N 126.81E 0 3.5,3.3
¶16066141
IDC Error ellipse: s-maj=175.9km s-min=27.8km az=66.0.
IDC VI 01 22 52 13.4–1.0 4.80N 126.98E 0 4.0,3.9
¶16066183
IDC Error ellipse: s-maj=66.1km s-min=18.9km az=74.0.
IDC VI 01 23 47 54.6–1.7 3.86N 127.39E 0 3.8,3.7
¶16066186
IDC Error ellipse: s-maj=99.7km s-min=23.2km az=69.0.
ISC VI 01 23 50 31.1–.81 3.13N–.08 127.4E–.20 49 4.5b,3.3s 29 4-124
IDC VI 01 23 50 24.6–.93 3.16N 127.54E 0 4.3,4.2 ¶12948692
ISCJB VI 01 23 50 28.7–.54 3.17N–.06 127.3E–.20 49 4.4b,3.3s
NEIC VI 01 23 50 29.1–.55 3.20N 127.45E 35 4.7b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=49.2km s-min=14.2km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=7.7km az=170.3.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=8.0km az=82.0.
ISC VI 02 00 14 43.1–.34 3.63N–.04 126.86E–.06 48 4.5b,3.6s 158 2-149
IDC VI 02 00 14 36.3–.47 3.58N 126.57E 0 4.4,4.4 ¶12886817
BJI VI 02 00 14 38.3 3.15N 126.95E 51 4.8b,4.8b
ISCJB VI 02 00 14 41.2–.24 3.73N–.03 126.83E–.05 48 4.5b,3.6s
NEIC VI 02 00 14 41.9–1.0 3.66N 126.73E 41–9 4.6b,3.6s
DJA VI 02 00 14 44.6–.60 3N–7.0 127E–4.0 10 5.2b,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VI 02 15 33 13.6–1.3 4.21N 127.00E 0 3.5,3.4
¶16066231
IDC Error ellipse: s-maj=126.4km s-min=19.3km az=69.0.
IDC VI 04 19 00 18.4–1.7 3.05N 125.47E 0 3.7s,3.7
¶16100958
IDC Error ellipse: s-maj=183.5km s-min=21.6km az=65.0.
IDC VI 05 06 55 28.0–1.3 3.20N 126.99E 0 3.9,3.7
¶16100977
IDC Error ellipse: s-maj=107.4km s-min=16.8km az=69.0.
IDC VI 05 14 58 54.1–2.1 3.20N 125.53E 0 3.4,3.2
¶16100987
IDC Error ellipse: s-maj=199.5km s-min=25.6km az=65.0.
IDC VI 06 08 43 57.3–1.9 3.54N 127.00E 0 3.7,3.5
¶16101008
IDC Error ellipse: s-maj=105.7km s-min=23.7km az=70.0.
IDC VI 06 19 26 34.3–1.8 3.55N 125.87E 0 3.7,3.5
¶16101027
IDC Error ellipse: s-maj=117.9km s-min=23.4km az=68.0.
IDC VI 06 23 57 19.1–1.4 3.84N 126.32E 0 3.8,3.6
¶16101037
IDC Error ellipse: s-maj=111.0km s-min=18.0km az=68.0.
IDC VI 08 06 35 51.7–2.1 3.25N 125.05E 0 3.4,3.3
¶16101090
IDC Error ellipse: s-maj=202.0km s-min=27.6km az=64.0.
IDC VI 08 15 45 29.4–2.0 3.78N 126.97E 0 3.6,3.4b
¶16101111
IDC Error ellipse: s-maj=156.4km s-min=25.6km az=66.0.
IDC VI 09 08 41 13.2–1.7 4.08N 127.14E 0 4.0,3.9
¶16101139
IDC Error ellipse: s-maj=173.3km s-min=20.5km az=65.0.
ISC VI 09 18 16 51.0–.64 3.29N–.09 126.3E–.20 53 3.9b 24 4-92
IDC VI 09 18 16 43.5–.70 3.20N 125.94E 0 4.0,3.9 ¶15155966
ISCJB VI 09 18 16 49.2–.43 3.27N–.07 126.2E–.10 53 3.9b,3.9
AUST VI 09 18 16 54.3 3.50N 127.00E 100 3.9b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=42.8km s-min=13.6km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=19.3km s-min=5.1km az=153.5.
IDC VI 13 05 34 09.1–8.0 3.27N 127.17E 0 3.7,3.5
¶16101268
IDC Error ellipse: s-maj=135.3km s-min=98.3km az=135.0.
IDC VI 13 12 41 29.9–1.2 3.94N 126.89E 0 3.8,3.6
¶16101275
IDC Error ellipse: s-maj=94.8km s-min=18.3km az=72.0.
ISC VI 13 13 10 49.0–1.0 4.86N–.09 125.8E–.20 100 3.4b 13 2-122
ISCJB VI 13 13 10 48.7–.78 4.82N–.06 125.8E–.20 100 3.3b ¶13681281
IDC VI 13 13 10 48.2–4.3 5.27N 126.30E 112–38 3.4,3.3
MAN VI 13 13 10 49 4.87N 125.80E 57 4.9b,3.9s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.8km s-min=7.3km az=169.4.
IDC Error ellipse: s-maj=57.2km s-min=15.4km az=67.0.
ISC VI 13 16 04 08.2–.48 3.90N–.08 126.7E–.10 45 4.1b 52 4-94
AUST VI 13 16 04 01.5 4.00N 126.50E 0 4.1b ¶15156074
IDC VI 13 16 04 01.6–.62 3.94N 126.65E 0 4.2,4.1
ISCJB VI 13 16 04 06.1–.38 3.95N–.07 126.7E–.10 45 4.0b,4.1
NEIC VI 13 16 04 06.7–.38 3.93N 126.65E 35 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=38.1km s-min=12.8km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=5.3km az=151.0.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=7.3km az=72.0.
IDC VI 13 22 28 33.4–1.2 3.91N 126.35E 0 3.9,3.8
¶16101296
IDC Error ellipse: s-maj=98.2km s-min=16.0km az=69.0.
MAN VI 14 05 17 39 4.68N 126.71E 33 6.5b,6.3s
¶14717986
MAN Event type fe. INTENSITY II - DAVAO CITY & GENERAL SANTOS CITY.
IDC VI 14 11 07 29.7–1.7 3.19N 126.76E 0 4.0,3.8
¶16101315
IDC Error ellipse: s-maj=103.2km s-min=22.9km az=68.0.
IDC VI 14 15 00 18.5–1.9 3.37N 127.26E 0 3.8,3.6
¶16101321
IDC Error ellipse: s-maj=109.4km s-min=23.4km az=70.0.
IDC VI 14 21 06 33.0–2.4 4.82N 125.89E 0 3.6,3.4
¶16101335
IDC Error ellipse: s-maj=208.9km s-min=27.8km az=65.0.
ISC VI 17 10 35 37.2–.50 4.81N–.05 126.96E–.10 76 4.2b 53 2-123
IDC VI 17 10 35 27.3–.51 4.88N 127.03E 0 4.3,4.2 ¶15156176
MAN VI 17 10 35 27 4.34N 127.12E 28 4.7b,3.5s
ISCJB VI 17 10 35 35.2–.34 4.84N–.04 126.92E–.05 76 4.0b,3.5s
DJA VI 17 10 35 39.3–3.3 5N–8.0 127E–5.0 29–44 5.3b,4.9b
AUST VI 17 10 35 41.4–1.3 4.49N 126.96E 101–0 5.3b,4.9b

ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=11.0km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.7km az=162.1.
AUST Error ellipse: s-maj=2.1km s-min=1.5km az=31.0.
IDC VI 18 04 01 12.2–1.7 3.55N 126.51E 0 3.9,3.8 ¶16101455

IDC Error ellipse: s-maj=101.4km s-min=23.5km az=67.0.
IDC VI 18 11 32 04.6–1.2 4.85N 125.66E 0 3.7,3.5 ¶16101465

IDC Error ellipse: s-maj=69.7km s-min=22.1km az=78.0.
IDC VI 18 22 44 53.1–1.6 4.88N 126.94E 0 3.7,3.5 ¶16101483

IDC Error ellipse: s-maj=146.5km s-min=21.8km az=68.0.
IDC VI 19 05 26 59.2–2.1 4.76N 126.84E 0 3.6,3.4 ¶16101491

IDC Error ellipse: s-maj=154.1km s-min=25.9km az=66.0.
IDC VI 19 08 34 14.1–1.4 3.41N 126.10E 0 3.8,3.7 ¶16101495

IDC Error ellipse: s-maj=102.7km s-min=18.9km az=67.0.

ISC	**VI**	**19 17 47 23.1–.46**	**4.81N–.05**	**125.84E–.07**	**35**	**4.4b**	**101**	**2-122**
IDC	VI	19 17 47 16.8–.66	5.00N	126.02E	0	4.3,4.2		¶13201563
ISCJB	VI	19 17 47 21.1–.33	4.82N–.03	125.90E–.05	35	4.3b,4.2s		
NEIC	VI	19 17 47 23.2–1.5	4.89N	125.90E	45–14	4.4b,4.2s		
DJA	VI	19 17 47 24.5–3.5	5N–10	126E–9.0	31–27	5.3b,4.7b		
BJI	VI	19 17 47 30.4	5.68N	125.67E	60	4.8b,4.7b		

ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=14.1km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.8km az=173.5.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=8.5km az=75.0.

ISC	**VI**	**20 11 43 45.8–.28**	**2.12N–.03**	**125.72E–.05**	**41**	**4.6b,3.8s**	**209**	**1-160**
IDC	VI	20 11 43 39.6–.37	2.20N	125.47E	0	4.6,4.5		¶13201592
ISCJB	VI	20 11 43 44.2–.23	2.17N–.02	125.75E–.03	41	4.6b,3.8s		
NEIC	VI	20 11 43 44.9–.24	2.17N	125.62E	35	4.9b,3.8s		
BJI	VI	20 11 43 45.1	2.10N	125.70E	35	5.1b,4.7b		
DJA	VI	20 11 43 48.4–.50	2N–3.0	126E–3.0	45–6	5.2,5.2b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VI 21 02 30 53.4–1.3 3.69N 126.36E 0 3.8,3.7b ¶16101556

IDC Error ellipse: s-maj=111.3km s-min=16.5km az=67.0.
IDC VI 21 03 00 30.7–2.0 4.13N 127.00E 0 3.8,3.7 ¶16101557

IDC Error ellipse: s-maj=177.0km s-min=23.5km az=65.0.

ISC	**VI**	**22 03 24 28.8–.59**	**4.87N–.09**	**126.5E–.20**	**71**	**4.1b**	**31**	**2-122**
IDC	VI	22 03 24 19.9–.64	4.94N	126.71E	0	4.2,4.1b		¶13681816
ISCJB	VI	22 03 24 27.2–.48	4.90N–.08	126.5E–.20	71	4.0b,4.1b		
NEIC	VI	22 03 24 28.9–4.1	4.90N	126.69E	70–39	4.3b,4.1b		

ISC Event type se.
IDC Error ellipse: s-maj=43.5km s-min=13.9km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=25.2km s-min=9.0km az=164.1.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=9.7km az=79.0.
IDC VI 22 20 19 12.2–1.4 3.43N 126.09E 0 4.0,3.8 ¶16101621

IDC Error ellipse: s-maj=103.8km s-min=21.1km az=68.0.
IDC VI 23 19 15 16.3–1.4 3.85N 126.35E 0 3.7,3.6b ¶16101664

IDC Error ellipse: s-maj=214.1km s-min=17.7km az=68.0.
IDC VI 24 04 32 11.3–1.9 4.05N 127.06E 0 3.7,3.5 ¶16101678

IDC Error ellipse: s-maj=115.8km s-min=23.2km az=70.0.

ISC	**VI**	**24 15 44 08.9–1.0**	**4.6N–.10**	**127.8E–.20**	**104**	**3.7b**	**11**	**3-57**
IDC	VI	24 15 43 56.9–1.4	4.72N	127.78E	0	4.4s,4.4		¶13681971
ISCJB	VI	24 15 44 07.4–.00	4.6N–.10	127.8E–.20	104	3.7b,4.4		
MAN	VI	24 15 44 12	4.82N	127.47E	70	5.0b,4.1s		

ISC Event type ke.
IDC Error ellipse: s-maj=70.7km s-min=17.9km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=36.2km s-min=9.7km az=152.9.

ISC	**VI**	**24 18 06 15.4–.36**	**3.54N–.03**	**126.75E–.05**	**55–2**	**4.8b,4.1s**	**291**	**2-123**
IDC	VI	24 18 06 08.0–.49	3.53N	126.54E	0	4.6,4.6		¶13232453
BJI	VI	24 18 06 11.8	3.32N	126.71E	54	4.9b,4.7b		
NEIC	VI	24 18 06 15.6–1.3	3.58N	126.79E	59–12	4.8b,4.7b		
ISCJB	VI	24 18 06 15.1–.43	3.56N–.02	126.76E–.03	67–4	4.7b,4.7b		
MOS	VI	24 18 06 18.5–1.5	3.52N	126.63E	96	4.8b,4.0s		
DJA	VI	24 18 06 19.1–.40	4N–4.0	127E–3.0	67–4	5.1b,5.1		

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

ISC	**VI**	**25 06 11 54.6–.68**	**3.81N–.09**	**126.4E–.20**	**45**	**4.3b,3.3s**	**36**	**3-99**
ISCJB	VI	25 06 11 52.6–.51	3.81N–.08	126.3E–.20	45	4.3b,3.3s		¶13681996
NEIC	VI	25 06 11 53.4–.43	3.84N	126.43E	35	4.5b,3.3s		
IDC	VI	25 06 11 57.5–5.1	3.78N	126.35E	72–48	4.0,4.0b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=9.6km az=164.0.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=7.6km az=72.0.
IDC Error ellipse: s-maj=38.2km s-min=10.1km az=78.0.

ISC	**VI**	**26 04 45 10.5–.39**	**3.16N–.04**	**126.86E–.07**	**41–2**	**4.6b,3.9s**	**199**	**2-160**
IDC	VI	26 04 45 04.1–.50	3.05N	126.81E	0	4.5,4.4		¶13279145
BJI	VI	26 04 45 05.7	2.79N	126.97E	39	4.8b,4.7b		
MOS	VI	26 04 45 07.9–1.2	3.14N	126.69E	33	4.8b,4.7b		
NEIC	VI	26 04 45 10.6–.99	3.12N	126.79E	43–9	4.7b,4.7b		
ISCJB	VI	26 04 45 11.1–.59	3.17N–.04	126.95E–.05	66–6	4.5b,4.7b		
DJA	VI	26 04 45 12.4–1.3	3N–6.0	127E–6.0	18–15	5.2b,4.7b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 27 18 19 55.0–1.6 3.57N 127.47E 0 3.9,3.7 ¶16101792

IDC Error ellipse: s-maj=100.2km s-min=21.9km az=69.0.
IDC VI 28 23 12 41.6–1.2 4.93N 125.86E 0 4.0,3.8 ¶16101842

IDC Error ellipse: s-maj=188.9km s-min=18.5km az=68.0.
IDC VI 29 16 27 44.4–2.5 3.06N 126.58E 0 4.0,3.7 ¶16101868

IDC Error ellipse: s-maj=114.4km s-min=40.1km az=71.0.
IDC VI 29 22 04 28.3–.97 2.79N 125.56E 0 3.9,3.8 ¶16101876

IDC Error ellipse: s-maj=92.4km s-min=18.6km az=78.0.
IDC VI 30 10 45 06.9–2.2 3.91N 127.37E 0 3.6,3.4 ¶16101890

IDC Error ellipse: s-maj=150.6km s-min=27.6km az=66.0.
IDC VI 30 16 33 38.8–2.1 4.07N 126.74E 0 3.7s,3.7 ¶16101903

IDC Error ellipse: s-maj=158.3km s-min=25.9km az=66.0.
IDC VI 30 19 34 25.2–2.1 3.76N 126.65E 0 3.6,3.5 ¶16101909

IDC Error ellipse: s-maj=206.9km s-min=22.0km az=66.0.

(264) North of Halmahera.
IDC I 24 20 10 01.2–2.2 3.40N 128.25E 0 3.6,3.4b ¶12082246

IDC Error ellipse: s-maj=150.9km s-min=26.3km az=68.0.

ISC	**II**	**07 19 57 07.3–.51**	**3.69N–.10**	**128.5E–.10**	**45**	**4.5b**	**49**	**4-148**
IDC	II	07 19 57 01.1–.60	3.69N	128.56E	0	4.1,4.0b		¶12699745
NEIC	II	07 19 57 03.2–.32	3.69N	128.52E	15	4.6b,4.0b		
ISCJB	II	07 19 57 05.1–.43	3.67N–.07	128.5E–.10	45	4.3b,3.7s		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC II 08 02 12 29.7–2.0 3.48N 128.42E 0 3.6,3.4 ¶15955205

IDC Error ellipse: s-maj=142.2km s-min=25.9km az=67.0.

ISC	**II**	**10 12 36 58.9–.52**	**3.92N–.05**	**128.06E–.08**	**114–3**	**4.3b**	**116**	**3-120**
MOS	II	10 12 36 48.9–.72	4.08N	128.05E	35	4.5b		¶11670435
DJA	II	10 12 36 54	3.98N	127.77E	20	4.8		
ISCJB	II	10 12 36 54.5–.84	3.99N–.04	128.08E–.07	87–7	4.3b		
BJI	II	10 12 36 54.2	3.35N	127.92E	115	4.9b,4.5b		
NEIC	II	10 12 36 57.3–1.0	3.95N	128.03E	99–9	4.4b,4.5b		
IDC	II	10 12 36 57.2–3.0	3.99N	128.08E	98–29	4.0,3.9		

ISC Event type se.
MOS Error ellipse: s-maj=19.9km s-min=8.2km az=108.5.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=6.8km az=170.2.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.3km az=78.0.
IDC Error ellipse: s-maj=25.6km s-min=11.0km az=78.0.
IDC II 13 21 50 11.5–1.6 3.17N 129.19E 0 3.9s,3.9 ¶15956005

IDC Error ellipse: s-maj=89.7km s-min=18.8km az=64.0.
IDC II 16 14 41 36.9–7.5 3.16N 128.75E 0 3.7,3.5b ¶15956275

IDC Error ellipse: s-maj=134.9km s-min=116.4km az=85.0.
IDC II 16 14 41 38.1–2.3 4.09N 128.21E 0 3.8,3.6 ¶15956278

IDC Error ellipse: s-maj=158.7km s-min=28.4km az=66.0.
IDC II 20 13 17 22.6–.93 3.93N 129.54E 0 3.8,3.7 ¶15956816

IDC Error ellipse: s-maj=49.3km s-min=18.7km az=69.0.
IDC II 28 21 02 22.5–1.7 3.03N 128.36E 0 3.6,3.4 ¶15957548

IDC Error ellipse: s-maj=100.0km s-min=19.5km az=72.0.
IDC III 14 21 11 32.0–1.3 3.89N 128.58E 0 3.9,3.7 ¶12703296

IDC Error ellipse: s-maj=103.4km s-min=15.9km az=73.0.
IDC III 19 21 18 24.1–8.8 3.63N 128.18E 0 3.7,3.5b ¶12703732

IDC Error ellipse: s-maj=153.0km s-min=139.7km az=89.0.
IDC III 20 02 29 21.2–1.8 3.02N 128.35E 0 3.9,3.7b ¶12703764

IDC Error ellipse: s-maj=89.2km s-min=24.5km az=69.0.
IDC III 20 10 31 21.5–2.4 3.37N 128.22E 0 3.7,3.6b ¶12703803

IDC Error ellipse: s-maj=204.0km s-min=24.3km az=66.0.

ISC	**III**	**23 06 14 13.8–.36**	**3.53N–.03**	**128.68E–.05**	**33–1**	**4.9b,3.9s**	**295**	**3-159**
IDC	III	23 06 14 08.6–.43	3.48N	128.53E	0	4.7,4.7		¶15153379
AUST	III	23 06 14 08.4–2.8	3.49N	128.61E	5–0	4.7,4.7		
BJI	III	23 06 14 09.4	3.22N	129.02E	38	5.0b,4.9b		
MOS	III	23 06 14 12.1–1.1	3.55N	128.50E	34	5.0b,4.9b		
ISCJB	III	23 06 14 13.6–.73	3.48N–.03	128.67E–.04	50–6	4.8b,3.9s		
DJA	III	23 06 14 15.1–.50	3N–4.0	129E–4.0	10	5.3b,5.2b		
NEIC	III	23 06 14 16.3–1.1	3.46N	128.53E	57–10	4.9b,5.2b		

ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=10.4km az=74.0.
AUST Error ellipse: s-maj=1.0km s-min=0.7km az=272.0.
MOS Error ellipse: s-maj=14.4km s-min=6.3km az=112.1.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.5km az=156.9.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.9km az=70.0.
IDC III 23 06 18 26.3–1.6 3.38N 128.08E 0 3.6,3.5b ¶12635359

IDC Error ellipse: s-maj=112.9km s-min=19.1km az=73.0.

ISC	**III**	**23 06 20 29.2–.60**	**3.40N–.08**	**128.5E–.10**	**45**	**4.0b**	**43**	**12-125**
ISCJB	III	23 06 20 27.5–.46	3.51N–.06	128.6E–.10	45	4.1b		¶12635360
IDC	III	23 06 20 28.0–7.2	3.51N	128.70E	33–56	4.3L,4.0		
NEIC	III	23 06 20 28.2–.32	3.50N	128.69E	35	4.1b,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=8.1km az=1.3.
IDC Error ellipse: s-maj=32.6km s-min=14.0km az=75.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=6.2km az=85.0.

ISC	**III**	**23 06 32 43.0–.53**	**3.33N–.05**	**128.88E–.08**	**35**	**4.4b**	**110**	**5-125**
IDC	III	23 06 32 38.0–.59	3.50N	128.75E	0	4.3,4.2L		¶12054960
BJI	III	23 06 32 37.8	3.05N	129.11E	35	4.9b,4.7s		
ISCJB	III	23 06 32 40.9–.44	3.41N–.05	128.86E–.08	33	4.4b,4.3s		
NEIC	III	23 06 32 45.6–1.5	3.44N	128.74E	60–13	4.4b,4.3s		

ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=12.7km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=7.6km az=169.8.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=7.0km az=73.0.

ISC	**III**	**23 18 55 42.6–1.2**	**4.3N–.20**	**128.0E–.30**	**66**	**4.2b**	**16**	**5-68**
IDC	III	23 18 55 34.4–1.1	4.34N	128.00E	0	3.7,3.6b		¶12635407
ISCJB	III	23 18 55 40.5–1.0	4.4N–.10	128.2E–.20	66	3.5b,3.6b		

ISC Event type ke.
ISCJB Event type ke.
IDC III 23 18 57 03.9–1.3 4.37N 128.10E 0 3.7,3.6b ¶12635409

IDC Error ellipse: s-maj=71.3km s-min=18.4km az=70.0.

ISC	**III**	**23 21 28 05.3–.89**	**3.5N–.10**	**128.9E–.20**	**35**	**3.9b**	**20**	**5-62**
IDC	III	23 21 27 60.0–.91	3.57N	128.91E	0	3.9,3.8		¶12612747
ISCJB	III	23 21 28 03.1–.65	3.53N–.09	128.9E–.10	33	3.8b,3.1s		

ISC Event type ke.
ISCJB Event type ke.
IDC III 24 05 07 22.9–1.2 3.34N 128.28E 0 3.8,3.7 ¶12635446

IDC Error ellipse: s-maj=88.5km s-min=17.4km az=73.0.

ISC	**III**	**27 03 39 16.1–.68**	**3.53N–.09**	**128.6E–.10**	**45**	**4.2b**	**34**	**10-125**
IDC	III	27 03 39 10.2–.86	3.59N	128.72E	0	4.2L,4.1		¶12062353
NEIC	III	27 03 39 13.6–3.7	3.58N	128.70E	24–27	4.6b,4.1		
ISCJB	III	27 03 39 14.3–.46	3.56N–.06	128.59E–.09	45	4.2b,3.5s		

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

ISC	**III**	**29 11 32 05.3–.90**	**4.24N–.07**	**128.0E–.10**	**71**	**3.8b**	**20**	**3-61**
ISCJB	III	29 11 32 03.7–.74	4.26N–.05	128.05E–.08	71	3.6b		¶12635859
IDC	III	29 11 32 04.1–3.1	3.69N	126.42E	49–29	3.6,3.4		
DJA	III	29 11 32 11.7–1.5	4N–13	128E–7.0	10	5.1b,4.8b		

ISC Event type ke.
ISCJB Event type ke.

ISC	**III**	**31 19 40 07.6–.75**	**3.83N–.08**	**128.5E–.10**	**46**	**4.1b**	**33**	**4-99**
IDC	III	31 19 40 01.6–.92	3.82N	128.55E	0	3.9,3.8		¶12636049
ISCJB	III	31 19 40 06.0–.47	3.81N–.05	128.38E–.08	46	4.0b,3.8		
NEIC	III	31 19 40 08.9–2.6	3.74N	128.33E	57–25	4.2b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=15.3km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=7.5km az=175.2.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=7.2km az=54.0.
IDC IV 01 13 45 17.7–5.3 3.86N 128.69E 51–50 3.8,3.8 ¶16152225

IDC Error ellipse: s-maj=32.5km s-min=12.2km az=77.0.
IDC IV 11 20 04 58.5–.86 3.51N 128.75E 0 3.8,3.7 ¶16152680

IDC Error ellipse: s-maj=38.1km s-min=18.6km az=75.0.
IDC IV 12 06 56 27.6–2.1 3.47N 128.34E 0 3.5,3.3 ¶16152696

IDC Error ellipse: s-maj=142.9km s-min=25.0km az=68.0.
IDC IV 15 22 16 37.1–3.3 4.80N 128.28E 0 4.2,4.1 ¶16152824

IDC Error ellipse: s-maj=307.8km s-min=24.3km az=66.0.
IDC IV 19 00 37 01.7–1.1 4.94N 128.61E 0 3.7,3.5 ¶16153013

IDC Error ellipse: s-maj=71.7km s-min=19.4km az=74.0.

ISC	**IV**	**25 16 10 32.5–.81**	**4.72N–.06**	**128.1E–.10**	**66**	**3.8b**	**25**	**3-74**
ISCJB	IV	25 16 10 30.6–.62	4.69N–.04	128.21E–.08	66	3.7b		¶12936143
IDC	IV	25 16 10 31.4–3.7	4.51N	128.04E	57–31	3.7,3.6b		
DJA	IV	25 16 10 32.6–1.1	5N–8.0	128E–7.0	53–48	5.1b,5.1b		
MAN	IV	25 16 10 45	5.90N	127.99E	28	4.9b,3.9s		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.2km az=164.7.
IDC Error ellipse: s-maj=60.2km s-min=13.4km az=67.0.
IDC IV 25 23 54 43.4–1.0 4.66N 128.44E 0 3.8,3.6
¶16153395

IDC Error ellipse: s-maj=62.8km s-min=18.6km az=75.0.
ISC IV 28 09 35 06.6–1.2 3.1N–.10 128.8E–.20 35 4.2b 13 2-69
IDC IV 28 09 35 01.8–1.1 3.03N 128.51E 0 4.3L,4.2 **¶12936358**
ISCJB IV 28 09 35 04.4–.87 3.19N–.08 128.8E–.10 33 4.0b,4.2
DJA IV 28 09 35 12.1–2.0 3N–8.0 128E–6.0 35–26 5.0b,4.6b
ISC Event type ke.
ISCJB Event type ke.
IDC V 04 17 52 19.3–.98 4.60N 128.03E 0 3.8,3.6
¶16154901

IDC Error ellipse: s-maj=58.3km s-min=18.3km az=76.0.
IDC V 07 18 52 40.6–3.0 3.54N 128.90E 0 4.1L,3.8
¶16155493

IDC Error ellipse: s-maj=56.2km s-min=51.6km az=108.0.
IDC V 09 09 41 45.0–3.2 3.63N 128.69E 0 3.5,3.3
¶16155543

IDC Error ellipse: s-maj=249.7km s-min=27.1km az=68.0.
IDC V 12 20 14 42.4–1.8 3.04N 128.74E 0 3.9,3.7b
¶16155687

IDC Error ellipse: s-maj=103.1km s-min=22.0km az=70.0.
IDC V 17 06 11 27.2–1.3 4.73N 128.15E 0 4.0,3.7
¶16155831

IDC Error ellipse: s-maj=49.2km s-min=23.8km az=75.0.
ISC V 20 06 31 22.6–1.4 4.5N–.10 128.4E–.10 35 3.6b 13 3-58
DJA V 20 06 31 06.4–10 6N–71 129E–55 110–33 5.0b,5.0b **¶13679290**
IDC V 20 06 31 17.8–1.6 4.42N 128.16E 0 3.8,3.7
ISCJB V 20 06 31 20.0–1.3 4.6N–.10 128.3E–.10 33 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC VI 04 15 41 25.6–1.5 3.20N 128.58E 0 3.6,3.4
¶16100953

IDC Error ellipse: s-maj=92.2km s-min=21.8km az=71.0.

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ISC I 01 05 27 12.4–.41 1.16N–.05 120.76E–.06 51–2 4.6b,3.7s 166 1-118
IDC I 01 05 27 05.3–.60 1.14N 120.67E 0 4.4,4.3b **¶11526026**
MOS I 01 05 27 07.9–1.0 1.15N 120.85E 33 4.9b,4.3b
DJA I 01 05 27 08 1.45N 120.74E 10 5.1,4.3b
NEIC I 01 05 27 11.8–1.1 1.12N 120.73E 50–11 4.7b,4.3b
BJI I 01 05 27 12.3 1.01N 120.47E 50 5.1b,4.8b
ISCJB I 01 05 27 12.6–.65 1.17N–.04 120.81E–.05 70–7 4.5b,4.8b
ISC Event type fe.
NEIC Event type fe. Felt [III] at Tolitoli.
ISCJB Event type fe.
ISC I 01 08 42 13.0–.93 1.4N–.10 122.1E–.10 35 3.8b 12 1-61
IDC I 01 08 42 07.6–.93 1.26N 121.77E 0 4.6L,4.0 **¶12079746**
DJA I 01 08 42 09 1.52N 122.01E 10 4.5,4.0
ISCJB I 01 08 42 11.0–.73 1.55N–.08 122.1E–.10 33 3.9b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC I 01 10 35 34.6–.26 1.33N–.03 121.87E–.04 34–0 5.0b,4.3s 445 1-171
BJI I 01 10 35 30.9 1.12N 122.01E 36 5.3b,4.9b **¶11526033**
MOS I 01 10 35 32.7–1.2 1.40N 121.87E 33 5.2b,4.1s
ISCJB I 01 10 35 33.2–.39 1.41N–.02 121.92E–.03 38–4 5.0b,4.2s
NEIC I 01 10 35 34.3–.18 1.32N 121.84E 33 5.1b,4.2s
DJA I 01 10 35 35 1.41N 122.00E 34 5.0W,4.2s
IDC I 01 10 35 35.3–1.9 1.32N 121.84E 43–16 4.9L,4.6
ISC Event type fe.
MOS Error ellipse: s-maj=13.9km s-min=6.0km az=115.2.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.6km az=155.5.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.0km az=66.0. Felt [III] at Buol, Gorontalo and Tolitoli.
IDC Error ellipse: s-maj=17.7km s-min=8.2km az=69.0.
ISC I 03 12 36 53.3–.87 1.4N–.10 122.0E–.20 32–7 4.1b 27 7-63
NEIC I 03 12 36 53.1–.49 1.38N 122.07E 32 4.0b **¶12079902**
IDC I 03 12 36 53.3–.81 1.34N 121.96E 32–6 4.4L,4.1
DJA I 03 12 36 54 1.32N 121.75E 10 4.6,4.1
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=8.4km az=72.0.
IDC Error ellipse: s-maj=86.8km s-min=14.6km az=65.0.
ISC I 04 07 09 02.7–.35 1.13N–.04 121.88E–.05 49–2 5.1s,4.8b 312 1-162
IDC I 04 07 08 55.2–.51 1.04N 121.76E 0 5.4L,5.2s **¶11528231**
MOS I 04 07 08 59.0–1.0 1.14N 121.81E 33 4.9b,5.2s
ISCJB I 04 07 09 00.7–.67 1.14N–.04 121.93E–.04 46–6 5.0s,4.8b
DJA I 04 07 09 01 1.16N 121.69E 10 5.2b,4.8b
NEIC I 04 07 09 02.4–.80 1.10N 121.86E 50–7 5.0b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=11.4km az=64.0.
MOS Error ellipse: s-maj=18.2km s-min=7.2km az=118.3.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.5km az=156.9.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.7km az=65.0.
IDC I 04 17 36 11.3–1.2 1.16N 122.05E 0 3.5,3.4
DJA I 04 17 36 14 1.26N 121.53E 10 4.3,3.4 **¶12080250**
IDC Error ellipse: s-maj=159.9km s-min=20.5km az=65.0.
IDC I 06 05 20 50.6–.61 1.85N 121.73E 37–5 3.8,3.7
DJA I 06 05 20 52 1.74N 122.13E 17 4.2,3.7 **¶12080462**
IDC Error ellipse: s-maj=93.6km s-min=11.1km az=65.0.
ISC I 08 07 54 44.2–1.5 0.19S–.09 123.62E–.08 50 3.6b 7 1-63
IDC I 08 07 54 30.8–1.6 1.06N 125.16E 0 3.7,3.6 **¶12080716**
DJA I 08 07 54 45 0.12S 123.58E 57 4.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=247.5km s-min=19.6km az=64.0.
DJA I 12 06 48 55 1.75N 121.22E 19 4.4
¶12933431

ISC I 12 09 42 39.7–.60 0.30N–.06 122.13E–.09 184–5 4.6b 81 0-161
ISCJB I 12 09 42 39.5–.43 0.24N–.05 122.18E–.06 192–4 4.4b **¶12081099**
IDC I 12 09 42 39.8–.85 0.26N 122.11E 184–8 4.0,3.9
NEIC I 12 09 42 40.1–2.3 0.25N 122.23E 186–21 4.7b,3.9
DJA I 12 09 42 42 0.28N 122.14E 149 4.6,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=7.3km az=156.0.
IDC Error ellipse: s-maj=39.3km s-min=9.7km az=69.0.
NEIC Event type se. Error ellipse: s-maj=30.1km s-min=5.7km az=54.0.
IDC I 12 21 41 13.1–6.9 0.01N 124.75E 100–67 3.7L,3.5
DJA I 12 21 41 09 0.02S 124.86E 15 4.0,3.5 **¶12081142**
IDC Error ellipse: s-maj=51.9km s-min=16.7km az=55.0.
ISC I 13 20 32 29.0–.63 1.28N–.07 122.17E–.08 35 4.3b 30 1-119
ISCJB I 13 20 32 27.5–.38 1.36N–.04 122.17E–.06 33 4.3b,3.2s **¶12081214**
DJA I 13 20 32 27 1.35N 122.14E 10 4.7,3.2s
IDC I 13 20 32 32.1–2.7 1.21N 122.27E 63–25 4.4L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.2km az=170.2.
IDC Error ellipse: s-maj=32.2km s-min=12.4km az=75.0.
IDC I 14 21 06 45.6–1.2 1.30N 122.06E 0 3.9,3.7b
DJA I 14 21 06 54 1.00N 121.74E 4 4.4,3.7b **¶12081294**
IDC Error ellipse: s-maj=64.4km s-min=20.5km az=71.0.
IDC I 19 16 08 53.1–8.1 0.68N 122.21E 0 4.3L,4.1
¶12081773

IDC Error ellipse: s-maj=145.5km s-min=113.7km az=100.0.
ISC I 20 04 06 57.5–.54 0.48N–.04 120.86E–.04 89–4 4.8b 212 1-128
BJI I 20 04 06 51.4 0.02N 121.04E 78 5.2b,4.9b **¶11613322**
DJA I 20 04 06 56 0.67N 120.75E 63 5.1,4.9b
ISCJB I 20 04 06 56.5–.46 0.45N–.03 120.92E–.04 95–5 4.8b,4.9b
NEIC I 20 04 06 57.2–1.2 0.47N 120.99E 88–11 5.1b,4.9b
IDC I 20 04 06 58.4–2.1 0.45N 120.88E 97–19 4.3,4.2
MOS I 20 04 06 59.2–.85 0.52N 121.06E 124 4.7b,4.2
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.9km az=178.2.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=4.0km az=60.0. Felt [III] at Tolitoli.
IDC Error ellipse: s-maj=22.0km s-min=9.3km az=72.0.
MOS Error ellipse: s-maj=17.3km s-min=6.9km az=112.6.
DJA I 20 09 42 21.9–.40 1S–6.0 122E–2.0 7–6 3.5,3.5
¶15821797

ISC I 23 02 46 11.8–.63 0.08N–.06 123.51E–.06 157 4.1b 23 1-121
ISCJB I 23 02 46 10.4–.46 0.14N–.05 123.50E–.07 157 4.0b **¶12082093**
IDC I 23 02 46 11.8–4.9 0.14N 123.51E 156–48 3.9,3.7b
DJA I 23 02 46 13 0.03N 123.61E 123 4.2,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=7.6km az=1.4.
IDC Error ellipse: s-maj=43.4km s-min=12.4km az=57.0.
ISC I 23 08 09 14.4–1.1 0.23S–.06 123.03E–.09 68–10 4.1b 49 1-120
NEIC I 23 08 09 11.4–.46 0.13S 123.18E 35 4.6b **¶12082110**
ISCJB I 23 08 09 13.5–.53 0.27S–.04 123.01E–.05 78–6 4.1b
IDC I 23 08 09 14.1–2.1 0.27S 123.02E 70–18 3.8,3.7
DJA I 23 08 09 15 0.32S 122.96E 58 4.7,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=8.2km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=7.1km az=6.9.
IDC Error ellipse: s-maj=22.8km s-min=12.7km az=84.0.
IDC I 23 23 54 05.3–1.6 0.21N 121.65E 0 3.5,3.4b
¶12082168

IDC Error ellipse: s-maj=155.3km s-min=26.0km az=63.0.
ISC I 24 08 38 52.1–.84 0.50N–.05 124.63E–.06 168–7 4.5b 116 1-124
ISCJB I 24 08 38 51.0–.42 0.50N–.04 124.62E–.05 169–4 4.5b **¶11657444**
DJA I 24 08 38 51 0.62N 124.55E 161 4.8
BJI I 24 08 38 52.2 0.40N 124.70E 186 4.9b,4.6b
IDC I 24 08 38 54.0–1.8 0.45N 124.48E 193–17 4.2,4.1b
NEIC I 24 08 38 55.1–1.6 0.43N 124.64E 201–17 4.5b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.3km az=152.7.
IDC Error ellipse: s-maj=15.5km s-min=7.1km az=75.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.1km az=64.0.
IDC I 26 12 16 04.1–1.3 1.49N 122.16E 0 3.6,3.4b
DJA I 26 12 16 08 1.28N 122.09E 10 4.1b,3.4b **¶12082370**
IDC Error ellipse: s-maj=164.1km s-min=22.3km az=65.0.
ISC I 26 22 30 31.4–.38 0.01N–.03 123.96E–.03 102–2 4.8b 194 1-129
ISCJB I 26 22 30 29.8–.29 0.01S–.02 123.96E–.02 107–3 4.8b **¶11617593**
BJI I 26 22 30 30.0 0.00N 124.00E 110 5.1b,4.8b
IDC I 26 22 30 30.2–1.2 0.03N 123.82E 96–10 4.5,4.5
DJA I 26 22 30 32 0.07N 124.03E 86 5.1b,4.5
NEIC I 26 22 30 34.2–1.2 0.01S 123.90E 135–11 4.7b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.8km az=31.5.
IDC Error ellipse: s-maj=14.6km s-min=8.8km az=87.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.4km az=66.0.
ISC I 27 07 13 07.8–.70 1.86N–.09 122.9E–.20 35 4.2b 32 7-120
IDC I 27 07 13 02.6–.68 1.96N 122.89E 0 4.3,4.2 **¶12082453**
DJA I 27 07 13 03 2.02N 122.82E 11 4.6,4.2
ISCJB I 27 07 13 05.6–.48 1.83N–.08 122.7E–.20 33 4.2b,4.2
NEIC I 27 07 13 07.7–.34 1.85N 122.85E 35 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=48.4km s-min=13.5km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=8.4km az=160.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=6.2km az=70.0.
ISC I 27 14 48 15.1–.92 0.2N–.10 122.0E–.20 202 3.7b 14 6-58
ISCJB I 27 14 48 13.6–.71 0.3N–.10 122.1E–.20 202 3.5b **¶11677710**
IDC I 27 14 48 16.8–5.0 0.14N 121.84E 220–52 3.3,3.2b
DJA I 27 14 48 16 0.30N 121.89E 189 3.8,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=9.7km az=154.2.
IDC Error ellipse: s-maj=79.9km s-min=14.4km az=61.0.
IDC I 28 11 03 16.7–9.9 0.02S 123.08E 157–94 3.4,3.3
DJA I 28 11 03 16 0.13S 122.90E 145 4.1,3.3 **¶12082563**
IDC Error ellipse: s-maj=127.7km s-min=24.9km az=60.0.
IDC I 28 12 43 15.3–1.4 0.89N 124.38E 0 4.8s,4.7
DJA I 28 12 43 58 0.62S 125.18E 10 3.9,4.7 **¶12082569**
IDC Error ellipse: s-maj=106.3km s-min=21.7km az=70.0.
IDC I 29 02 30 16.7–1.2 0.76N 124.25E 0 4.0L,4.0
DJA I 29 02 30 40 0.25N 123.99E 131 4.1,4.0 **¶12082630**
IDC Error ellipse: s-maj=106.5km s-min=19.0km az=69.0.
IDC II 01 21 20 11.9–1.2 1.62N 122.53E 0 3.5,3.4
¶15954841

IDC Error ellipse: s-maj=152.8km s-min=21.4km az=64.0.
DJA II 02 03 33 40.8–1.6 0N–6.0 122E–9.0 146–11 3.5,3.5
¶15821826

IDC II 03 03 45 02.8–.89 0.44N 121.62E 0 3.9,3.8
¶15954942

IDC Error ellipse: s-maj=105.2km s-min=16.6km az=65.0.
IDC II 04 19 33 05.5–1.5 0.55N 124.06E 0 3.5,3.3
¶15955022

IDC Error ellipse: s-maj=158.9km s-min=27.0km az=65.0.
ISC II 04 21 25 38.2–.47 0.01S–.05 123.79E–.05 119–4 4.6b 121 1-125
BJI II 04 21 25 35.7 0.00N 123.80E 116 5.0b,4.5b **¶12699556**
ISCJB II 04 21 25 37.7–.55 0.02N–.04 123.83E–.04 130–6 4.3b,4.5b
IDC II 04 21 25 38.2–.61 0.03N 123.77E 119–5 4.2,4.2
DJA II 04 21 25 40 0.18S 123.94E 107 4.9,4.2
NEIC II 04 21 25 40.2–1.3 0.00S 123.87E 143–13 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=6.5km az=43.3.
IDC Error ellipse: s-maj=16.0km s-min=8.7km az=85.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.2km az=63.0.
IDC II 05 17 21 08.9–.93 1.93N 121.70E 0 3.9,3.8L
¶15955079

IDC Error ellipse: s-maj=65.1km s-min=16.0km az=69.0.
IDC II 07 08 05 44.9–5.0 0.53S 123.36E 52–50 4.6L,3.7
DJA II 07 08 05 44 0.46S 123.32E 31 4.4,3.7 **¶12699717**
IDC Error ellipse: s-maj=33.0km s-min=19.6km az=62.0.
IDC II 07 10 03 42.5–4.0 0.26N 121.99E 144–37 3.5,3.4
¶15955177

IDC Error ellipse: s-maj=50.8km s-min=11.7km az=69.0.
IDC II 07 15 12 09.7–7.9 0.56S 122.70E 116–79 4.3L,3.4
DJA II 07 15 12 05 0.32S 122.75E 109 4.5,3.4 **¶16191955**
IDC Error ellipse: s-maj=67.6km s-min=23.0km az=53.0.
ISC II 09 10 47 49.5–.30 1.33N–.03 123.53E–.04 22–2 5.0b,4.7s 369 1-165
IDC II 09 10 47 45.6–.40 1.30N 123.42E 0 5.2L,4.6 **¶11667466**
BJI II 09 10 47 46.2 1.35N 123.66E 10 5.3b,5.0s
MOS II 09 10 47 49.5–1.2 1.38N 123.46E 35 5.3b,4.5s
NEIC II 09 10 47 49.4–1.8 1.32N 123.47E 24–12 5.2b,4.5s
ISCJB II 09 10 47 50.2–.45 1.35N–.02 123.47E–.03 41–4 5.0b,4.7s
DJA II 09 10 47 53 1.29N 123.50E 46 5.4b,4.7s
MAN II 09 10 48 46 5.63N 123.73E 40 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=9.0km az=71.0.
MOS Error ellipse: s-maj=13.5km s-min=5.8km az=110.7.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.0km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=173.0.
ISC II 09 13 10 48.6–.54 1.38N–.06 123.63E–.07 32 4.0b,3.2s 33 1-61
BJI II 09 13 10 43.7 0.95N 123.69E 28 5.0b,4.5b **¶12699845**
IDC II 09 13 10 43.9–.77 1.36N 123.62E 0 4.3L,4.2
ISCJB II 09 13 10 47.4–.40 1.35N–.04 123.48E–.06 32 3.9b,3.2s
DJA II 09 13 10 48 1.39N 123.48E 26 4.6,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=13.8km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.7km az=6.5.
IDC II 09 13 13 47.9–5.2 0.57N 123.55E 238–53 3.5,3.4b
¶15955301

IDC Error ellipse: s-maj=47.1km s-min=14.1km az=73.0.
ISC II 09 15 55 07.4–.64 0.07S–.06 123.34E–.08 157 3.8b 33 1-90

DJA II 09 15 55 04 0.01N 123.43E 147 4.2 ¶12083049
ISCJB II 09 15 55 06.4–.44 0.05S–.05 123.39E–.07 157 3.8b
IDC II 09 15 55 07.6–3.4 0.00N 123.54E 159–35 3.7s,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.4km az=13.7.
IDC Error ellipse: s-maj=27.3km s-min=13.2km az=63.0.
IDC II 09 20 17 10.8–1.3 0.08S 121.27E 0 3.5,3.3
¶15955314
IDC Error ellipse: s-maj=143.2km s-min=21.0km az=64.0.
IDC II 10 21 04 05.4–2.0 0.32N 124.64E 0 3.8,3.5
¶15955374
IDC Error ellipse: s-maj=138.7km s-min=21.9km az=58.0.
ISC II 10 22 33 32.1–.66 0.35N–.06 121.7E–.10 146–6 4.4b 54 6-119
IDC II 10 22 33 31.9–.82 0.36N 121.87E 141–7 4.0,3.9 ¶12699941
ISCJB II 10 22 33 32.4–1.3 0.31N–.05 121.72E–.10 165–13 4.2b,3.9
NEIC II 10 22 33 32.8–.94 0.33N 121.84E 152–9 4.5b,3.9
DJA II 10 22 33 33 0.34N 122.06E 116 4.8b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=10.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=7.4km az=174.9.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=6.2km az=69.0.
IDC II 12 16 39 01.1–1.8 0.90N 123.13E 0 4.0,3.8b
¶15955752
IDC Error ellipse: s-maj=503.3km s-min=19.1km az=62.0.
DJA II 14 20 21 31.9–1.3 0S–10 123E–7.0 67–38 3.7,3.7
¶15821849
IDC II 15 02 26 55.4–1.6 1.67N 124.73E 0 3.6,3.5
¶15956120
IDC Error ellipse: s-maj=193.9km s-min=21.3km az=64.0.
ISC II 15 05 34 50.4–.74 0.01S–.05 123.69E–.05 135–6 3.9b 34 1-125
ISCJB II 15 05 34 49.1–.40 0.00N–.04 123.69E–.04 139–4 3.8b ¶12700760
DJA II 15 05 34 50 0.03S 123.68E 117 4.3
IDC II 15 05 34 50.5–4.5 0.06N 123.61E 131–41 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.9km az=143.4.
IDC Error ellipse: s-maj=28.5km s-min=12.1km az=72.0.
IDC II 18 07 52 53.4–1.6 0.94N 122.83E 0 3.5,3.3
¶15956545
IDC Error ellipse: s-maj=194.2km s-min=24.7km az=62.0.
ISC II 19 04 02 03.1–.72 0.10S–.05 123.31E–.04 148–6 4.1b 46 1-121
ISCJB II 19 04 02 02.2–.38 0.08S–.04 123.30E–.04 149–4 3.7b ¶12701208
DJA II 19 04 02 04.7–.50 0S–3.0 123E–2.0 125–5 4.5b,4.4
IDC II 19 04 02 06.3–2.6 0.04S 123.20E 178–25 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.2km az=163.0.
IDC Error ellipse: s-maj=25.7km s-min=10.5km az=74.0.
IDC II 19 23 08 47.7–1.5 0.38N 121.94E 0 3.4,3.2
¶15956741
IDC Error ellipse: s-maj=190.1km s-min=24.2km az=61.0.
DJA II 23 06 40 18.7–.50 0S–3.0 123E–5.0 10 3.9,3.9
¶15821940
ISC II 23 21 30 18.5–.54 0.22S–.06 120.14E–.09 32 4.2b,3.1s 37 2-90
IDC II 23 21 30 13.8–.73 0.24S 120.17E 0 4.1L,4.0 ¶12701674
DJA II 23 21 30 16 0.12S 119.92E 10 4.8,4.0
ISCJB II 23 21 30 17.2–.38 0.25S–.04 119.98E–.06 32 4.1b,3.4s
NEIC II 23 21 30 18.7–.40 0.24S 120.24E 35 4.3b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=44.2km s-min=14.0km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.4km az=171.4.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=6.8km az=67.0.
DJA II 26 00 16 27.1–1.1 1N–5.0 122E–7.0 10 3.8,3.8
¶15829549
ISC II 27 10 02 15.5–.61 0.16S–.05 123.02E–.06 127–5 4.5b 138 1-154
BJI II 27 10 02 02.7 0.10S 123.00E 32 4.8b,4.7b ¶12701991
ISCJB II 27 10 02 14.9–.41 0.12S–.04 123.01E–.04 132–4 4.4b,4.7b
NEIC II 27 10 02 15.8–1.5 0.12S 123.11E 128–14 4.9b,4.7b
IDC II 27 10 02 15.5–.78 0.11S 122.96E 127–7 4.1s,4.1
DJA II 27 10 02 16 0.17S 122.97E 103 4.8,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.9km az=159.9.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.5km az=59.0.
IDC Error ellipse: s-maj=19.2km s-min=8.9km az=76.0.
ISC II 27 13 33 03.7–.88 0.06S–.08 123.04E–.07 162 3.8b 14 1-50
ISCJB II 27 13 33 03.0–.58 0.08S–.07 123.04E–.07 162 3.7b ¶12702007
DJA II 27 13 33 04 0.02S 123.00E 153 3.7
IDC II 27 13 33 04.9–8.0 0.01S 123.25E 170–81 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=9.4km az=1.4.
IDC Error ellipse: s-maj=113.0km s-min=20.6km az=69.0.
IDC III 01 20 59 48.0–.82 0.18S 121.97E 281–8 3.6,3.4b
¶12702214
IDC Error ellipse: s-maj=44.1km s-min=11.4km az=67.0.
IDC III 01 23 01 28.4–7.9 0.15N 123.83E 181–79 3.3,3.2b
¶12702220
IDC Error ellipse: s-maj=96.6km s-min=18.6km az=66.0.
IDC III 02 02 18 44.0–1.4 0.39S 121.56E 0 3.5,3.4
¶12702226
IDC Error ellipse: s-maj=149.9km s-min=21.6km az=64.0.
IDC III 02 11 06 39.8–.85 0.44N 123.86E 0 3.7L,3.7
¶12702259
IDC Error ellipse: s-maj=80.4km s-min=15.9km az=68.0.
ISC III 04 09 15 53.7–1.1 1.3N–.10 120.8E–.20 35 4.2b 14 6-60
IDC III 04 09 15 48.8–.97 1.49N 120.90E 0 4.3,4.3 ¶12702410
ISCJB III 04 09 15 51.5–.88 1.4N–.10 120.8E–.20 33 4.1b,4.3
AUST III 04 09 17 08.0–.02 5.01S 121.71E 298–0 4.1b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=75.4km s-min=17.5km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=32.3km s-min=13.2km az=158.0.
AUST Error ellipse: s-maj=2.3km s-min=1.0km az=41.0.
DJA III 06 14 26 29.5–.90 1N–6.0 123E–4.0 86–10 3.9,3.9
¶15850248
DJA III 07 18 45 56.5–.80 0S–7.0 123E–5.0 149–9 4.9b,4.8b
¶15850256
IDC III 08 13 54 06.2–1.3 1.68N 123.87E 0 4.1L,4.0s
¶12702722
IDC Error ellipse: s-maj=125.5km s-min=20.0km az=69.0.
ISC III 09 13 59 11.7–.63 0.47S–.04 123.18E–.05 63–5 4.7b 199 1-160
BJI III 09 13 59 08.1 1.00S 123.51E 83 5.0b,4.7b ¶15153117
IDC III 09 13 59 10.6–1.5 0.38S 123.18E 58–13 4.2,4.1
ISCJB III 09 13 59 10.8–.37 0.52S–.03 123.23E–.03 66–4 4.7b,4.1
DJA III 09 13 59 11.4–.60 1S–2.0 123E–2.0 11–5 5.3b,5.1
NEIC III 09 13 59 13.5–.93 0.49S 123.24E 84–9 4.9b,5.1
AUST III 09 13 59 16.3 1.00S 123.00E 100 4.9b,5.1
ISC Event type fe.
IDC Error ellipse: s-maj=14.5km s-min=8.5km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.3km az=148.6.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.7km az=64.0. Felt [II] at Luwuk.
DJA III 10 11 34 04.5–.50 0S–3.0 123E–3.0 50–7 5.8b,4.3
¶15850272
DJA III 11 09 01 23.5–.60 1S–6.0 123E–3.0 10 3.9,3.9
¶15850279
DJA III 12 16 21 36.4–.40 1S–2.0 123E–4.0 10 3.7,3.7
¶15850285
IDC III 14 09 49 00.6–2.0 1.38N 124.44E 0 3.5s,3.5
¶12703242
IDC Error ellipse: s-maj=212.6km s-min=27.0km az=63.0.
DJA III 15 06 24 13.2–1.3 0N–5.0 123E–8.0 21 4.1,4.1
¶15850300
IDC III 17 03 30 47.3–3.6 0.01N 121.46E 219–37 3.2b,3.2
¶12703484
IDC Error ellipse: s-maj=66.1km s-min=13.8km az=66.0.

ISC III 17 21 52 30.7–.57 1.50N–.05 122.29E–.06 38 4.3b,3.4s 45 1-89
IDC III 17 21 52 25.8–.76 1.52N 122.54E 0 4.2,4.2L ¶12703539
DJA III 17 21 52 27.0–.40 2N–3.0 122E–3.0 10 5.0b,4.8
ISCJB III 17 21 52 28.8–.37 1.50N–.04 122.27E–.04 38 4.2b,3.3s
NEIC III 17 21 52 30.6–.35 1.46N 122.45E 35 4.4b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=14.6km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.3km az=177.1.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=6.5km az=73.0.
ISC III 18 17 08 47.3–.47 0.01N–.03 123.53E–.04 141–4 4.8b 422 1-169
MOS III 18 17 08 33.5–.87 0.18N 123.26E 33 5.3b ¶15153252
GCMT III 18 17 08 47.4–.20 0.10N 123.62E 136–2 4.9W
ISCJB III 18 17 08 47.1–.30 0.05N–.02 123.57E–.03 158–3 4.7b
IDC III 18 17 08 47.5–.74 0.05N 123.42E 144–6 4.5,4.5
AUST III 18 17 08 47.5–.22 0.01N 123.50E 143–0 4.5,4.5
DJA III 18 17 08 48.7–.20 0N–2.0 124E–2.0 99–7 5.5b,5.5
NEIC III 18 17 08 49.4–.80 0.05N 123.43E 163–7 4.8b,5.5
ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=5.8km az=110.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s33,c45; s76,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}2.75±.10 $M_{\theta\theta}$-2.14±.14; $M_{\phi\phi}$-0.62±.18; $M_{r\theta}$0.95±.09; $M_{\theta\phi}$-1.75±.10; $M_{\theta r}$0.06±.13; Best double couple: NP1:ϕ_s225.00000°,δ38.00000°,λ73.00000°. NP2:ϕ_s67.00000°,δ54.00000°,λ103.00000°. Principal axes: T 2.9500,Plg77.0000° ,Azm22.0000°; N 0.4400,Plg11.0000°,Azm239.0000°; P -3.4000,Plg8.0000°,Azm148.0000° M_o3.20000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.3km az=157.1.
IDC Error ellipse: s-maj=10.7km s-min=5.8km az=77.0.
AUST Error ellipse: s-maj=0.7km s-min=0.6km az=226.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.5km az=71.0.
IDC III 19 03 02 36.9–1.9 0.02N 124.90E 0 3.6,3.4b
¶12703637
IDC Error ellipse: s-maj=204.7km s-min=26.0km az=63.0.
ISC III 19 08 19 50.9–.55 0.25N–.07 121.55E–.08 200 4.0b 35 0-128
ISCJB III 19 08 19 49.5–.36 0.28N–.05 121.59E–.07 200 3.9b ¶12703662
IDC III 19 08 19 50.1–2.5 0.26N 121.56E 191–25 3.8,3.7b
DJA III 19 08 19 51.6–1.8 0N–15 121E–10 152–20 4.4b,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC III 19 09 02 06.2–1.6 0.61N 122.62E 0 3.7,3.5L
¶12703665
IDC Error ellipse: s-maj=133.3km s-min=24.3km az=63.0.
ISC III 19 12 31 22.1–.40 0.66N–.05 123.68E–.06 264 4.2b 75 0-124
ISCJB III 19 12 31 20.8–.27 0.72N–.04 123.69E–.05 264 4.0b ¶15153295
AUST III 19 12 31 23.0–2.0 0.58N 123.61E 270–0 4.0b
DJA III 19 12 31 23.3–.30 1N–4.0 124E–3.0 257–4 4.9b,4.5b
IDC III 19 12 31 24.8–.80 0.55N 123.48E 299–8 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.5km az=143.7.
AUST Error ellipse: s-maj=2.5km s-min=0.9km az=229.0.
IDC Error ellipse: s-maj=16.8km s-min=6.7km az=70.0.
IDC III 19 21 54 14.6–7.6 0.88N 120.98E 104–79 3.7L,3.5
¶12703736
IDC Error ellipse: s-maj=85.5km s-min=17.7km az=62.0.
ISC III 20 02 36 58.8–.86 1.45N–.07 123.15E–.05 39 3.8b 23 1-120
IDC III 20 02 36 53.1–1.0 1.34N 123.35E 0 3.9L,3.9 ¶12703766
ISCJB III 20 02 36 57.5–.75 1.40N–.07 123.14E–.05 39 3.6b,3.9
DJA III 20 02 36 58.1–.60 1N–5.0 123E–3.0 24 5.0b,4.8b
ISC Event type ke.
ISCJB Event type ke.
IDC III 25 06 28 23.4–1.8 0.93N 124.65E 0 3.5,3.3b
¶12635528
IDC Error ellipse: s-maj=194.1km s-min=24.6km az=63.0.
DJA III 28 07 53 43.8–.50 1S–4.0 122E–3.0 12 3.8,3.8
¶15850334
ISC III 28 21 19 40.4–1.1 0.62S–.07 119.8E–.10 10 3.5b 8 2-58
ISCJB III 28 21 19 37.8–.73 0.60S–.05 119.78E–.07 10 3.5b ¶12635804
IDC III 28 21 19 37.6–1.1 0.64S 120.38E 0 4.2L,3.7
DJA III 28 21 19 39.3–1.3 1S–4.0 120E–5.0 8–10 5.4b,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC III 30 23 44 08.2–7.8 1.36N 123.65E 0 3.9,3.8L
¶12635991
IDC Error ellipse: s-maj=132.3km s-min=110.6km az=108.0.
ISC III 31 17 12 19.2–1.2 1.4N–.10 123.4E–.10 32 3.6b 12 1-49
IDC III 31 17 12 14.3–1.5 1.36N 123.34E 0 3.7L,3.7 ¶12636041
ISCJB III 31 17 12 18.1–1.0 1.47N–.09 123.26E–.09 32 3.4b,3.7
DJA III 31 17 12 18.0–1.3 2N–13 123E–6.0 20 4.7b,4.3b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 02 18 51 48.2–1.0 0.71S–.08 120.2E–.10 35 3.6b 11 2-58
DJA IV 02 18 51 41.1–1.0 0S–8.0 120E–6.0 10 4.1,4.1 ¶12934300
IDC IV 02 18 51 42.7–1.3 0.98S 119.53E 0 4.1,4.1s
ISCJB IV 02 18 51 46.3–.86 0.71S–.07 120.1E–.10 33 4.1s,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 02 23 32 24.5–.54 0.63S–.05 120.03E–.05 45 4.4b,3.2s 55 2-88
IDC IV 02 23 32 17.8–.68 0.65S 120.15E 0 4.3,4.2 ¶13437838
DJA IV 02 23 32 18.7–.40 1S–4.0 120E–3.0 10 5.2b,4.7
NEIC IV 02 23 32 22.7–.30 0.71S 120.16E 35 4.6b,4.7
ISCJB IV 02 23 32 22.2–.31 0.67S–.04 120.06E–.06 45 4.3b,3.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 04 03 32 05.2–1.2 1.15N 124.37E 0 3.6,3.4
¶16152339
IDC Error ellipse: s-maj=159.5km s-min=21.4km az=67.0.
ISC IV 04 19 09 01.5–.55 0.49N–.05 122.68E–.06 114 4.1b 40 1-120
AUST IV 04 19 08 54.1 1.00N 123.00E 60 4.1b ¶15153562
IDC IV 04 19 08 58.8–.70 0.59N 122.67E 82–5 3.8,3.7
ISCJB IV 04 19 08 59.5–.34 0.53N–.04 122.64E–.05 114 4.0b,3.7
DJA IV 04 19 09 00.2–.30 1N–3.0 123E–3.0 58–5 5.1b,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC IV 05 22 43 03.5–1.0 1.44N 122.34E 0 3.8L,3.6
¶16152429
IDC Error ellipse: s-maj=123.8km s-min=18.1km az=68.0.
ISC IV 06 07 16 35.8–.66 0.31N–.06 122.48E–.07 150 3.8b 31 1-147
AUST IV 06 07 16 13.2 1.50N 122.50E 35 3.8b ¶15153583
ISCJB IV 06 07 16 35.1–.66 0.30N–.06 122.49E–.07 150 3.8b
IDC IV 06 07 16 36.1–2.2 0.30N 122.57E 153–18 3.8,3.6
DJA IV 06 07 16 39.0–.80 0N–5.0 122E–6.0 115–9 4.3b,4.1
ISC Event type ke.
ISCJB Event type ke.
DJA IV 07 09 27 50.2–.60 0N–5.0 123E–5.0 70–10 4.3b,4.0
¶15850370
ISC IV 10 17 58 03.2–.60 0.19N–.06 122.23E–.07 194–5 3.9b 40 0-120
ISCJB IV 10 17 58 01.9–.47 0.24N–.06 122.22E–.06 195–6 3.8b ¶12934952
IDC IV 10 17 58 03.0–2.1 0.26N 122.31E 193–20 3.6,3.5b
BJI IV 10 17 58 02.6 0.20N 122.20E 190 4.5b,4.5b
DJA IV 10 17 58 03.4–.60 0N–7.0 122E–5.0 167–11 4.6b,4.4b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 12 05 19 57.5–.23 1.98N–.02 122.16E–.03 40–2 5.1b,4.5s 774 2-166
BJI IV 12 05 19 54.2 1.90N 122.28E 33 5.2b,5.1b ¶15153665
MOS IV 12 05 19 54.9–.88 2.05N 122.13E 33 5.4b,4.5s
ISCJB IV 12 05 19 55.7–.34 2.02N–.02 122.19E–.02 38–3 5.1b,4.5s
GCMT IV 12 05 19 57.5–.20 2.14N 122.14E 30–0 5.2W,4.5s
TEH IV 12 05 19 58.0 1.95N 122.15E 39 5.3L,4.5s
IDC IV 12 05 19 59.5–.57 1.98N 122.09E 58–4 4.7,4.7
NEIC IV 12 05 19 59.2–.16 1.98N 122.12E 57 5.3b,4.7
DJA IV 12 05 19 59.4–.20 2N–2.0 122E–1.0 42–3 5.8,5.7b

AUST IV 12 05 20 02.0–.22 1.84N 122.00E 85–0 5.8,5.7b
ISC Event type se.
MOS Error ellipse: s-maj=11.0km s-min=5.5km az=114.7.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.7km az=163.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c98; s92,c165; Moment tensor: Scale 10^{16}Nm; M_{rr}4.64±.18 $M_{\theta\theta}$-6.47±.13; $M_{\phi\phi}$1.84±.15; $M_{r\theta}$5.14±.20; $M_{\theta\phi}$1.29±.11; $M_{\theta r}$-4.95±.27; Best double couple: NP1:ϕ_s250.00000°,δ29.00000°,λ37.00000°. NP2:ϕ_s126.00000°,δ73.00000°,λ114.00000°. Principal axes: T 9.1700,Plg56.0000° ,Azm66.0000°; N 0.2200,Plg22.0000°,Azm299.0000°; P -9.3700,Plg25.0000°,Azm198.0000° M_o9.30000×10^{16}
IDC Error ellipse: s-maj=12.2km s-min=8.0km az=73.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=78.0.
AUST Error ellipse: s-maj=0.7km s-min=0.6km az=245.0.
ISC IV 12 12 43 25.1–.85 1.44N–.08 122.27E–.07 35 3.6b,3.2s 17 1-87
IDC IV 12 12 43 19.8–1.0 1.44N 122.43E 0 3.8,3.6L ¶12935093
DJA IV 12 12 43 20.9–1.4 2N–5.0 122E–4.0 30–16 5.0b,4.4
ISCJB IV 12 12 43 23.3–.63 1.54N–.05 122.28E–.06 33 3.5b,3.4s
ISC Event type ke.
ISCJB Event type ke.
IDC IV 12 14 24 07.9–.93 0.75N 121.92E 0 3.8,3.8L
¶16152715

IDC Error ellipse: s-maj=129.8km s-min=16.3km az=66.0.
IDC IV 13 08 47 42.6–6.0 0.74N 121.90E 85–61 3.7L,3.6
¶16152746

IDC Error ellipse: s-maj=54.1km s-min=16.9km az=64.0.
IDC IV 13 18 41 59.6–10 1.54N 124.50E 186–98 3.0,2.8
¶16152774

IDC Error ellipse: s-maj=187.2km s-min=20.0km az=63.0.
ISC IV 14 11 56 52.0–.63 0.12S–.06 123.79E–.06 110 3.6b 26 1-121
AUST IV 14 11 55 35.3 6.49N 117.98E 100 3.6b ¶12935256
ISCJB IV 14 11 56 51.0–.46 0.08S–.05 123.79E–.06 110 3.7b
DJA IV 14 11 56 54.3–.60 0S–6.0 124E–5.0 59–17 5.2b,4.7b
IDC IV 14 11 56 59.0–4.9 0.02S 123.97E 180–48 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.5km az=21.8.
IDC Error ellipse: s-maj=42.6km s-min=12.9km az=67.0.
IDC IV 16 01 22 32.9–3.6 0.19N 123.69E 144–36 3.4,3.3
¶16152830

IDC Error ellipse: s-maj=32.2km s-min=17.4km az=72.0.
IDC IV 17 03 17 03.6–12 0.33N 122.06E 196–121 3.2,3.1
¶16152876

IDC Error ellipse: s-maj=171.2km s-min=19.9km az=57.0.
ISC IV 18 06 01 18.4–1.1 0.22N–.09 121.8E–.10 202 3.9b 14 0-58
IDC IV 18 06 01 17.0–10 0.27N 122.01E 198–105 3.5,3.3 ¶12935571
ISCJB IV 18 06 01 18.4–.85 0.26N–.09 121.7E–.10 202 3.9b,3.3
DJA IV 18 06 01 20.7–.80 0N–6.0 122E–7.0 189–7 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC IV 19 07 48 24.7–1.5 0.66N 122.78E 0 3.9,3.8
¶16153037

IDC Error ellipse: s-maj=128.8km s-min=22.6km az=64.0.
ISC IV 24 03 33 59.1–1.1 0.26N–.09 122.59E–.09 150 3.3b 10 1-58
IDC IV 24 03 33 41.4–1.7 0.23N 122.34E 0 3.7,3.5 ¶12936107
ISCJB IV 24 03 33 58.7–.89 0.27N–.09 122.63E–.10 150 3.3b,3.5
DJA IV 24 03 34 00.2–1.4 0N–5.0 123E–6.0 140–12 4.4,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC IV 25 14 48 44.0–.67 0.57S–.06 123.24E–.05 10 3.8b 21 1-69
AUST IV 25 14 48 30.5 1.00N 122.50E 60 3.8b ¶15153945
ISCJB IV 25 14 48 42.9–.48 0.62S–.05 123.17E–.04 10 3.8b,3.5s
IDC IV 25 14 48 42.0–1.0 0.53S 123.43E 0 4.2L,4.0
DJA IV 25 14 48 45.7–.90 1S–4.0 123E–4.0 7–9 5.6b,5.1
ISC Event type ke.
ISCJB Event type ke.
ISC IV 25 15 51 40.8–.74 0.63S–.06 123.37E–.07 10 3.8b 28 1-63
AUST IV 25 15 51 29.6–3.6 0.33N 122.72E 0–0 3.8b ¶15153948
IDC IV 25 15 51 39.8–.87 0.60S 123.41E 0 4.3L,4.0
ISCJB IV 25 15 51 40.5–.37 0.59S–.04 123.25E–.04 10 3.8b,3.1s
DJA IV 25 15 51 43.0–.20 1S–2.0 123E–2.0 12 6.3,4.7b
ISC Event type ke.
ISCJB Event type ke.
IDC IV 25 17 58 26.9–1.7 2.00N 124.05E 0 3.9,3.7
¶16153390

IDC Error ellipse: s-maj=182.7km s-min=25.0km az=63.0.
ISC IV 27 05 23 17.8–.35 0.01S–.03 123.03E–.04 177–2 4.6b 336 1-164
BJI IV 27 05 23 12.3 0.88S 123.17E 190 4.9b,4.6b ¶15153983
MOS IV 27 05 23 16.6–1.0 0.04N 122.95E 181 4.6b,4.6b
IDC IV 27 05 23 17.1–.76 0.02N 122.94E 170–6 4.3,4.3
ISCJB IV 27 05 23 17.5–.28 0.03S–.02 123.11E–.02 183–3 4.6b,4.3
NEIC IV 27 05 23 18.7–.73 0.03S 122.95E 184–6 4.7b,4.3
DJA IV 27 05 23 18.0–.20 0S–2.0 123E–1.0 150–2 5.2b,5.1
AUST IV 27 05 23 19.7–.26 0.11S 123.02E 191–0 5.2b,5.1
ISC Event type se.
MOS Error ellipse: s-maj=14.5km s-min=6.6km az=115.0.
IDC Error ellipse: s-maj=12.8km s-min=6.7km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.2km az=144.7.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.9km az=69.0.
AUST Error ellipse: s-maj=0.9km s-min=0.6km az=32.0.
IDC IV 27 20 17 11.6–1.4 1.98N 124.66E 0 3.7,3.6
¶16154573

IDC Error ellipse: s-maj=194.3km s-min=19.0km az=64.0.
DJA IV 28 09 27 23.6–2.7 0S–12 123E–19 54–11 4.6b,4.4
¶15852923

IDC IV 29 17 37 22.6–3.4 0.33N 122.66E 155–32 3.4,3.3
¶16154635

IDC Error ellipse: s-maj=69.1km s-min=11.7km az=64.0.
IDC IV 29 23 53 36.0–1.1 0.48S 121.99E 0 4.0L,3.9
¶16154647

IDC Error ellipse: s-maj=44.4km s-min=19.6km az=75.0.
IDC IV 30 20 48 39.4–1.7 1.91N 123.07E 0 3.3,3.2
¶16154680

IDC Error ellipse: s-maj=227.3km s-min=27.5km az=61.0.
ISC V 01 06 55 55.4–.57 0.01S–.06 123.36E–.09 157 3.8b 35 1-121
IDC V 01 06 55 52.4–3.1 0.10N 123.45E 128–30 3.7,3.6 ¶13678158
ISCJB V 01 06 55 54.3–.47 0.02S–.04 123.38E–.07 157 3.7b,3.6
DJA V 01 06 55 58.7–1.0 0S–6.0 123E–10 122–9 4.4,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC V 02 21 04 27.2–1.2 0.75N 121.93E 0 3.6,3.5
¶16154847

IDC Error ellipse: s-maj=148.6km s-min=20.8km az=64.0.
ISC V 07 16 14 33.2–.60 1.26N–.08 121.8E–.10 500 3.6b 35 1-82
ISCJB V 07 16 14 32.2–.41 1.31N–.06 121.75E–.09 500 3.6b ¶15154195
IDC V 07 16 14 33.0–1.5 1.27N 121.78E 498–21 3.4,3.2
AUST V 07 16 14 33.5–.02 1.06N 121.63E 491–0 3.4,3.2
DJA V 07 16 14 35.6–1.1 1N–12 122E–12 483–9 4.7b,4.6b
ISC Event type ke.
ISCJB Event type ke.
IDC V 08 01 36 12.1–12 1.35N 124.82E 300–140 3.3b,3.3
¶16155501

IDC Error ellipse: s-maj=104.2km s-min=20.9km az=59.0.
ISC V 11 00 17 53.6–.36 0.04S–.03 123.28E–.04 175–2 4.5b 208 1-160
ISCJB V 11 00 17 52.6–.31 0.02S–.03 123.32E–.03 182–3 4.5b ¶15154258
BJI V 11 00 17 53.4 0.00N 123.20E 180 4.7b,4.6b
IDC V 11 00 17 53.5–1.5 0.01N 123.04E 179–14 4.2,4.2
AUST V 11 00 17 54.3–.35 0.13S 123.02E 186–0 4.2,4.2
DJA V 11 00 17 55.5–.30 0S–3.0 123E–2.0 132–5 5.0,5.0b
NEIC V 11 00 17 55.4–.86 0.05S 123.15E 196–8 4.6b,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.2km az=159.0.
IDC Error ellipse: s-maj=17.1km s-min=7.6km az=82.0.

AUST Error ellipse: s-maj=1.3km s-min=0.9km az=230.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.0km az=76.0.
DJA V 11 10 31 20.8–1.3 1S–5.0 120E–7.0 137–22 4.0,4.0
¶15852946

DJA V 13 14 26 13.6–1.2 1N–8.0 123E–4.0 10 3.9b,3.9
¶15852955

ISC V 14 04 51 19.6–.45 0.75N–.04 120.18E–.05 70–3 4.7b 165 2-117
BJI V 14 04 51 15.4 0.45N 120.22E 66 4.8b,4.8b ¶15154316
AUST V 14 04 51 18.0 1.00N 120.50E 60 4.8b,4.8b
ISCJB V 14 04 51 18.3–.49 0.75N–.03 120.18E–.03 73–5 4.6b,4.8b
IDC V 14 04 51 19.5–2.0 0.72N 120.07E 73–18 4.2,4.2b
DJA V 14 04 51 19.7–.30 1N–3.0 120E–2.0 49–6 5.4b,5.2
NEIC V 14 04 51 20.0–.89 0.71N 120.13E 77–8 4.7b,5.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.3km az=37.0.
IDC Error ellipse: s-maj=25.8km s-min=10.7km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=10.8km s-min=4.6km az=61.0. Felt [III] at Tolitoli.
IDC V 14 08 29 08.8–5.6 0.24N 120.72E 65–58 4.0L,3.9
¶16155735

IDC Error ellipse: s-maj=46.0km s-min=16.5km az=54.0.
IDC V 14 11 06 23.3–3.9 0.41N 123.75E 466–154 3.2,3.1b
¶16155740

IDC Error ellipse: s-maj=207.6km s-min=66.3km az=114.0.
IDC V 16 16 49 10.5–6.8 0.98N 123.58E 235–71 3.4,3.3
¶16155815

IDC Error ellipse: s-maj=86.7km s-min=14.8km az=64.0.
ISC V 19 19 52 00.9–.60 1.26N–.08 121.77E–.09 500 3.4b 26 2-61
ISCJB V 19 19 51 59.9–.46 1.28N–.06 121.72E–.07 500 3.2b ¶15154404
IDC V 19 19 52 00.1–2.0 1.37N 121.92E 481–28 2.9,2.8
AUST V 19 19 52 01.8–.02 1.35N 121.84E 548–0 2.9,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=7.3km az=146.7.
IDC Error ellipse: s-maj=26.5km s-min=11.2km az=68.0.
AUST Error ellipse: s-maj=3.5km s-min=1.0km az=22.0.
IDC V 19 22 53 27.9–1.7 1.10N 123.04E 0 4.2L,3.8
¶16155924

IDC Error ellipse: s-maj=130.0km s-min=24.8km az=65.0.
ISC V 20 08 41 26.6–.30 1.82N–.03 124.18E–.05 319–2 4.6b 298 1-165
IDC V 20 08 41 24.7–.95 1.86N 124.04E 302–8 4.4,4.3 ¶15154421
ISCJB V 20 08 41 25.1–.20 1.84N–.02 124.21E–.03 317–2 4.6b,4.3
NEIC V 20 08 41 25.9–.57 1.87N 124.07E 316–6 4.8b,4.3
AUST V 20 08 41 25.4–.22 1.79N 124.10E 306–0 4.8b,4.3
BJI V 20 08 41 25.0 1.80N 124.10E 311 4.5b,4.5b
DJA V 20 08 41 26.1–.30 2N–4.0 124E–2.0 302–2 5.3,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 20 19 29 31.8–1.4 0.77N 123.45E 0 3.7,3.7L
¶16155965

IDC Error ellipse: s-maj=54.9km s-min=22.2km az=66.0.
ISC V 20 21 42 55.6–.73 0.55S–.04 122.80E–.07 10 3.7b 19 0-59
ISCJB V 20 21 42 55.9–.54 0.59S–.04 122.66E–.07 10 3.6b ¶13679336
IDC V 20 21 42 55.4–1.1 0.56S 122.85E 0 3.9L,3.7
DJA V 20 21 42 59.8–.30 1S–3.0 123E–4.0 30 4.9b,4.3b
ISC Event type ke.
ISCJB Event type ke.
IDC V 21 13 41 32.8–8.6 1.56N 124.99E 0 3.6,3.4b
¶16155993

IDC Error ellipse: s-maj=172.9km s-min=133.3km az=67.0.
IDC V 27 04 17 52.6–1.7 0.69N 123.43E 0 3.7,3.5
¶16156208

IDC Error ellipse: s-maj=185.9km s-min=25.0km az=62.0.
ISC V 28 19 33 43.2–1.0 0.27S–.07 122.81E–.06 72–11 3.6b 28 1-59
ISCJB V 28 19 33 42.2–.44 0.25S–.04 122.84E–.04 80–7 3.5b ¶15155555
IDC V 28 19 33 42.4–.97 0.32S 122.94E 70–9 3.7,3.5
DJA V 28 19 33 43.7–.50 0S–2.0 123E–2.0 37–7 5.4b,5.3b
AUST V 28 19 33 44.3 0.50S 123.00E 60 5.4b,5.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.2km az=35.0.
IDC Error ellipse: s-maj=25.2km s-min=15.1km az=92.0.
ISC V 30 09 06 55.6–.70 0.36N–.07 124.87E–.09 87 4.0b 19 1-122
ISCJB V 30 09 06 53.5–.53 0.28N–.05 124.88E–.06 87 4.0b ¶13679961
IDC V 30 09 06 53.6–3.5 0.26N 124.97E 64–34 3.8,3.7
DJA V 30 09 06 56.4–.60 0N–4.0 125E–4.0 10 6.0b,5.0
ISC Event type ke.
ISCJB Event type ke.
ISC V 31 05 34 40.2–.83 0.21N–.07 122.35E–.07 150 3.7b 16 0-90
IDC V 31 05 34 21.9–.82 0.92N 123.37E 0 4.1,3.9 ¶13680017
ISCJB V 31 05 34 39.2–.58 0.21N–.06 122.33E–.07 150 3.6b,3.9
DJA V 31 05 34 41.5–1.0 0N–4.0 122E–4.0 133–8 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC V 31 06 21 41.9–.81 0.33N–.06 120.54E–.07 55 4.3b 21 1-87
ISCJB V 31 06 21 39.7–.53 0.40N–.05 120.6E–.10 55 4.2b,2.5s ¶13680020
DJA V 31 06 21 43.8–2.1 0N–18 121E–14 17–26 4.4b,4.3b
IDC V 31 06 21 43.3–3.7 0.30N 120.56E 83–37 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=6.4km az=171.1.
IDC Error ellipse: s-maj=39.9km s-min=13.9km az=67.0.
IDC VI 02 04 19 26.8–1.6 1.07N 121.79E 0 3.6,3.4
¶16066196

IDC Error ellipse: s-maj=258.0km s-min=26.7km az=61.0.
IDC VI 05 13 58 15.5–1.7 1.47N 124.74E 0 3.7,3.7L
¶16100986

IDC Error ellipse: s-maj=124.6km s-min=22.3km az=67.0.
IDC VI 05 16 46 03.6–4.8 0.06S 122.98E 150–45 3.2,3.1
¶16100989

IDC Error ellipse: s-maj=46.0km s-min=14.7km az=60.0.
ISC VI 08 16 29 37.6–.54 0.22S–.05 122.85E–.06 100 3.9b 50 1-61
AUST VI 08 16 28 56.1–2.9 1.85N 120.19E 132–1 3.9b ¶13680909
ISCJB VI 08 16 29 36.5–.29 0.23S–.03 122.87E–.03 100 3.9b
IDC VI 08 16 29 36.3–2.0 0.21S 122.84E 90–18 3.7,3.6b
DJA VI 08 16 29 38.8–.30 0S–3.0 123E–2.0 52–10 5.2b,4.9b
ISC Event type ke.
ISCJB Event type ke.
ISC VI 10 09 46 17.2–.68 1.04N–.06 121.08E–.09 29 3.9b 16 1-61
ISCJB VI 10 09 46 16.2–.61 1.20N–.06 121.09E–.08 29 3.9b ¶13681102
DJA VI 10 09 46 19.6–.40 1N–4.0 121E–3.0 10 4.7b,4.4b
IDC VI 10 09 46 21.7–5.4 0.86N 121.18E 83–56 4.0L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=6.2km az=145.3.
IDC Error ellipse: s-maj=61.5km s-min=15.4km az=65.0.
DJA VI 12 05 39 22.5–.40 0N–5.0 124E–5.0 10 6.0,4.8b
¶15853032

IDC VI 15 18 07 21.9–10 1.08N 124.20E 0 3.6,3.4
¶16101374

IDC Error ellipse: s-maj=207.2km s-min=154.6km az=61.0.
IDC VI 19 11 10 24.2–7.4 0.23N 121.80E 198–70 3.5,3.4b
¶16101500

IDC Error ellipse: s-maj=111.1km s-min=20.4km az=56.0.
DJA VI 19 18 04 08.1–.60 0N–8.0 124E–5.0 88–16 4.5b,4.5b
¶15853050

ISC VI 20 02 11 21.5–1.1 0.39S–.06 122.93E–.05 35 3.9b 12 1-59
IDC VI 20 02 11 16.9–5.3 0.06S 123.40E 42–55 3.6,3.5 ¶13681690
DJA VI 20 02 11 22.5–3.4 0S–8.0 123E–3.0 32–49 5.2b,4.7
ISC Event type ke.
ISC VI 21 07 19 53.5–.51 0.59S–.05 120.54E–.06 35 4.2b,3.4s 35 2-80
IDC VI 21 07 19 46.9–.59 0.68S 120.64E 0 4.2,4.2b ¶13681766
ISCJB VI 21 07 19 52.2–.33 0.51S–.04 120.55E–.05 33 4.1b,3.3s
DJA VI 21 07 19 55.1–.20 1S–3.0 121E–2.0 11 5.3b,5.2b
ISC Event type ke.

ISCJB Event type ke.
DJA VI 24 15 57 18.4–1.1 1N–8.0 121E–5.0 30 3.9,3.9
¶15853058
ISC VI 25 00 01 37.5–.75 0.69S–.05 123.38E–.06 54 3.8b 17 1-121
IDC VI 25 00 01 30.9–1.0 0.61S 123.63E 0 4.0,3.9 **¶13681986**
DJA VI 25 00 01 34.5–.40 1S–3.0 123E–4.0 27–6 5.3b,4.7b
ISCJB VI 25 00 01 35.0–.47 0.68S–.05 123.33E–.05 54 3.8b,2.9s
ISC Event type ke.
ISCJB Event type ke.
IDC VI 25 00 04 59.5–1.4 0.53S 122.60E 0 4.2L,3.7
¶16101705
IDC Error ellipse: s-maj=59.4km s-min=23.7km az=75.0.
IDC VI 25 09 17 06.8–3.2 0.03N 123.20E 175–33 3.6s,3.6
¶16101711
IDC Error ellipse: s-maj=31.1km s-min=14.6km az=75.0.
ISC VI 26 16 52 44.1–1.0 0.19S–.07 123.78E–.05 121–11 3.0b 20 1-59
IDC VI 26 16 52 26.8–1.7 1.29N 125.61E 0 3.4,3.2 **¶15853064**
ISCJB VI 26 16 52 43.2–.71 0.26S–.07 123.82E–.05 117–11 3.1b,3.2
DJA VI 26 16 52 43.7–.50 0S–4.0 124E–2.0 109–7 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC VI 27 03 16 51.6–.51 1.90N–.06 122.58E–.06 35 4.4b 64 1-91
IDC VI 27 03 16 46.4–.63 1.89N 122.59E 0 4.3,4.3b **¶15156291**
NEIC VI 27 03 16 48.4–5.7 1.86N 122.54E 12–36 4.6b,4.3b
ISCJB VI 27 03 16 49.7–.30 1.90N–.04 122.53E–.04 33 4.4b,2.7s
DJA VI 27 03 16 50.0–.70 2N–5.0 123E–3.0 10 5.0b,4.8b
AUST VI 27 03 16 56.0–1.4 1.53N 121.93E 71–0 5.0b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=13.1km az=70.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=6.3km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.2km az=143.3.
AUST Error ellipse: s-maj=2.5km s-min=1.3km az=233.0.
ISC VI 28 14 18 44.9–.25 1.37N–.03 122.35E–.04 38 5.0s,4.9b 303 1-171
BJI VI 28 14 18 38.3 0.75N 122.51E 33 5.2s,5.0b **¶13307260**
IDC VI 28 14 18 39.2–.39 1.35N 122.28E 0 5.1s,5.0L
MOS VI 28 14 18 42.4–.96 1.38N 122.34E 33 5.1b,5.0L
ISCJB VI 28 14 18 43.2–.17 1.41N–.02 122.34E–.03 38 5.0s,4.8b
NEIC VI 28 14 18 44.5–.66 1.34N 122.29E 35–6 5.0b,4.8b
DJA VI 28 14 18 46.2–.30 1N–3.0 122E–2.0 42–4 5.9,5.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VI 28 14 19 29.1–.32 1.35N–.03 122.28E–.05 30–1 5.4b,5.1s 343 7-171
ISCJB VI 28 14 19 24.9–.93 1.36N–.03 122.23E–.04 13–5 5.4b,5.1s **¶13682200**
IDC VI 28 14 19 29.5–1.8 1.37N 122.22E 33–13 5.5L,5.0
NEIC VI 28 14 19 30.0–.77 1.38N 122.20E 37–7 5.5b,5.5W
GCMT VI 28 14 19 32.3–.10 1.67N 122.22E 26–0 5.7W,5.5W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.2km az=164.9.
IDC Error ellipse: s-maj=13.6km s-min=8.2km az=72.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.9km az=72.0. Felt [III] at Gorontalo and Tolitoli. Moment Tensor Solution. s33 Moment tensor: Scale 10^{17}Nm; M_{rr}0.39 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-0.09 $M_{r\theta}$-1.94 $M_{\theta\phi}$-0.54 $M_{\phi r}$-0.34 Best double couple: NP1:ϕ_s15.00000°,δ14.00000°,λ26.00000°. NP2:ϕ_s259.00000°,δ84.00000°,λ103.00000°. Principal axes: T 2.0200,Plg49.0000°,Azm183.0000°; N 0.1000,Plg12.0000°,Azm78.0000°; P -2.1200,Plg37.0000°,Azm338.0000° M_o2.10000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=101, comp=200, per= 50. Moment Tensor Solution. s89,c164; s47,c49; Moment tensor: Scale 10^{17}Nm; M_{rr}2.06±.04 $M_{\theta\theta}$-2.13±.03; $M_{\phi\phi}$0.06±.03; $M_{r\theta}$-3.46±.11; $M_{\theta\phi}$0.09±.03; $M_{\phi r}$-0.05±.07; Best double couple: NP1:ϕ_s95.00000°,δ16.00000°,λ96.00000°. NP2:ϕ_s270.00000°,δ74.00000°,λ88.00000°. Principal axes: T 4.0100,Plg61.0000°,Azm177.0000°; N 0.0600,Plg2.0000°,Azm270.0000°; P -4.0800,Plg29.0000°,Azm1.0000° M_o4.10000×10^{17}
ISC VI 28 14 28 02.4–.66 1.30N–.08 122.43E–.09 38 4.0b 22 1-120
DJA VI 28 14 27 05.7–1.4 1N–13 122E–6.0 10 4.5,4.2 **¶13682201**
ISCJB VI 28 14 28 00.5–.59 1.36N–.06 122.41E–.09 38 4.1b,4.2
IDC VI 28 14 28 02.4–.72 1.32N 122.46E 37–6 4.0,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=8.2km az=11.5.
IDC Error ellipse: s-maj=42.9km s-min=13.4km az=67.0.
ISC VI 28 14 39 44.8–.49 1.41N–.06 122.24E–.06 35–5 4.4b 84 1-119
ISCJB VI 28 14 39 42.8–.51 1.47N–.03 122.26E–.04 37–6 4.3b **¶13307262**
DJA VI 28 14 39 42.3–.40 1N–4.0 122E–3.0 10 5.4b,5.2
NEIC VI 28 14 39 45.0–.30 1.35N 122.19E 39 4.5b,5.2
IDC VI 28 14 39 45.1–.58 1.40N 122.33E 37–5 4.7L,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.0km az=170.6.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.6km az=72.0.
IDC Error ellipse: s-maj=23.1km s-min=10.4km az=71.0.
IDC VI 28 15 33 21.4–1.1 1.48N 122.73E 0 3.9L,3.6
¶16101828
IDC Error ellipse: s-maj=115.3km s-min=19.4km az=68.0.
IDC VI 28 16 43 56.2–1.1 1.30N 122.13E 0 3.4,3.3
¶16101829
IDC Error ellipse: s-maj=150.4km s-min=20.1km az=65.0.
ISC VI 28 20 40 26.9–.71 1.41N–.07 122.4E–.20 38 3.8b 16 6-99
ISCJB VI 28 20 40 24.8–.56 1.45N–.05 122.5E–.10 38 3.7b,3.4s **¶16101833**
IDC VI 28 20 40 27.1–5.2 1.40N 122.52E 35–44 4.0L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.3km s-min=7.2km az=4.8.
IDC Error ellipse: s-maj=39.0km s-min=14.4km az=79.0.
ISC VI 28 23 22 39.6–.86 0.05S–.08 123.59E–.07 150 3.9b 15 1-121
IDC VI 28 23 22 22.2–1.2 0.62N 124.21E 0 4.1,3.9 **¶13682227**
ISCJB VI 28 23 22 38.2–.61 0.03S–.08 123.56E–.08 150 3.8b,3.9
DJA VI 28 23 22 40.2–1.2 0S–5.0 124E–7.0 121–15 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VI 29 14 39 38.6–.99 1.42N–.09 122.47E–.07 39 3.5b 13 1-82
IDC VI 29 14 39 31.9–1.2 1.56N 123.27E 0 3.9L,3.7 **¶13682261**
ISCJB VI 29 14 39 36.7–.81 1.50N–.07 122.49E–.06 39 3.4b,3.2s
DJA VI 29 14 40 2.–.90 1N–6.0 122E–3.0 10 4.5b,4.3
ISC Event type ke.
ISCJB Event type ke.
DJA VI 30 11 16 52.8–1.2 1N–10 122E–4.0 10 3.8,3.8
¶15853072
IDC VI 30 21 33 50.3–2.5 1.71N 124.74E 274–26 3.6,3.5b
¶16101912
IDC Error ellipse: s-maj=34.8km s-min=8.8km az=75.0.

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IDC I 01 06 12 33.1–1.4 2.17N 127.25E 0 3.5,3.4b
¶12079741
IDC Error ellipse: s-maj=129.8km s-min=20.7km az=70.0.
IDC I 01 17 35 39.2–1.9 2.22N 126.85E 0 3.5,3.4b
¶12079769
IDC Error ellipse: s-maj=169.1km s-min=23.2km az=65.0.
ISC I 02 17 49 19.8–.81 2.1N–.10 126.4E–.20 47 3.9b 16 16-63
IDC I 02 17 49 14.4–1.8 2.04N 126.25E 0 3.9,3.8b **¶12079839**
NEIC I 02 17 49 18.6–.45 2.15N 126.57E 35 4.0b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=175.1km s-min=22.1km az=65.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=7.6km az=61.0.
IDC I 02 20 01 49.1–1.0 1.22N 125.86E 0 3.9,3.8b
DJA I 02 20 01 56 1.32N 126.27E 30 3.7,3.8b **¶12079849**
IDC Error ellipse: s-maj=104.5km s-min=15.8km az=68.0.
ISC I 05 18 19 00.2–.55 2.78N–.06 126.2E–.10 63 4.3b 51 1-92
ISCJB I 05 18 18 58.3–.35 2.79N–.04 126.25E–.08 63 4.4b **¶12080400**
IDC I 05 18 18 59.9–4.0 2.78N 126.23E 64–38 4.0,4.0
DJA I 05 18 19 01 2.89N 126.41E 55 4.6b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=4.6km az=161.8.
IDC Error ellipse: s-maj=28.5km s-min=12.5km az=72.0.
IDC I 06 12 19 13.9–2.1 1.11N 126.66E 0 3.6,3.4
DJA I 06 12 19 19 0.83N 126.24E 40 3.3,3.4 **¶12080505**
IDC Error ellipse: s-maj=162.4km s-min=26.8km az=66.0.
IDC I 07 05 59 03.4–4.0 2.03N 127.25E 100–34 3.9s,3.9
DJA I 07 05 59 06 2.23N 127.25E 44 4.5,3.9 **¶12080607**
IDC Error ellipse: s-maj=93.1km s-min=13.0km az=70.0.
IDC I 09 13 33 39.9–1.7 1.84N 126.39E 0 3.7,3.6b
¶12080848
IDC Error ellipse: s-maj=168.8km s-min=21.1km az=66.0.
IDC I 09 17 24 40.2–1.8 1.05N 126.98E 0 3.6,3.4b
¶12080863
IDC Error ellipse: s-maj=176.7km s-min=21.7km az=67.0.
ISC I 10 06 40 33.1–.81 2.1N–.10 126.6E–.20 47 4.2b 29 20-76
IDC I 10 06 40 26.9–.94 2.15N 126.60E 0 4.1,4.0 **¶12080918**
ISCJB I 10 06 40 31.4–.59 2.2N–.10 126.6E–.20 47 4.1b,4.0
NEIC I 10 06 40 31.4–.57 2.26N 126.84E 35 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=51.9km s-min=15.8km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=29.7km s-min=8.6km az=154.5.
NEIC Event type se. Error ellipse: s-maj=37.5km s-min=7.3km az=67.0.
IDC I 10 07 10 53.5–1.4 1.08N 126.37E 0 3.6,3.5b
¶12080920
IDC Error ellipse: s-maj=150.4km s-min=22.0km az=69.0.
ISC I 10 09 05 24.9–2.5 0.44N–.08 126.1E–.20 62–23 4.4b 57 8-154
IDC I 10 09 05 16.5–.52 0.41N 125.91E 0 4.5,4.4 **¶12080928**
ISCJB I 10 09 05 22.7–2.7 0.43N–.07 126.0E–.10 61–26 4.5b,4.4
DJA I 10 09 05 22 0.56N 126.17E 20 4.6,4.4
NEIC I 10 09 05 24.4–1.6 0.43N 126.09E 59–15 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=11.8km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=9.7km az=165.9.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=6.6km az=75.0.
IDC I 10 12 48 40.3–2.2 1.97N 126.46E 0 3.4,3.2
¶12080944
IDC Error ellipse: s-maj=182.3km s-min=26.7km az=66.0.
IDC I 11 07 43 57.6–1.8 1.26N 126.18E 0 3.6,3.4b
DJA I 11 07 44 14 0.03S 123.47E 30 3.7,3.4b **¶12081017**
IDC Error ellipse: s-maj=197.8km s-min=21.8km az=66.0.
IDC I 11 13 47 01.4–1.8 0.54N 125.59E 0 3.8,3.5b
DJA I 11 13 47 06 0.67N 125.99E 10 3.5,3.5b **¶12081035**
IDC Error ellipse: s-maj=162.2km s-min=24.4km az=64.0.
IDC I 11 18 36 29.5–1.4 2.07N 127.67E 0 3.7,3.7
¶12081053
IDC Error ellipse: s-maj=194.8km s-min=16.7km az=69.0.
IDC I 12 03 07 49.6–1.8 1.49N 126.30E 0 3.9,3.6b
¶12081082
IDC Error ellipse: s-maj=112.5km s-min=23.1km az=68.0.
IDC I 12 03 24 12.9–2.1 1.56N 126.47E 0 3.4,3.3
¶12081084
IDC Error ellipse: s-maj=191.5km s-min=24.9km az=66.0.
IDC I 12 13 28 40.1–8.0 2.61N 127.50E 0 3.8,3.6b
¶12081107
IDC Error ellipse: s-maj=128.8km s-min=123.7km az=92.0.
IDC I 15 15 26 03.5–1.7 1.60N 126.65E 0 4.0,3.8b
DJA I 15 15 26 18 1.87N 127.29E 31 3.8,3.8b **¶12081342**
IDC Error ellipse: s-maj=169.3km s-min=20.5km az=66.0.
IDC I 16 15 17 23.7–2.1 2.45N 127.53E 0 3.2,3.1
¶12081448
IDC Error ellipse: s-maj=151.5km s-min=25.2km az=67.0.
IDC I 16 18 18 33.7–1.9 0.92N 125.82E 0 3.6,3.4b
¶12081462
IDC Error ellipse: s-maj=181.1km s-min=23.3km az=65.0.
IDC I 17 15 40 31.3–2.0 1.24N 126.74E 0 3.6,3.4
DJA I 17 15 40 35 1.05N 126.31E 30 3.5,3.4 **¶12081546**
IDC Error ellipse: s-maj=164.8km s-min=24.3km az=66.0.
ISC I 18 08 11 32.7–.38 1.54N–.04 126.63E–.05 40–2 4.8b,4.6s 280 1-164
IDC I 18 08 11 26.8–.44 1.54N 126.36E 0 4.5b,4.5 **¶11596325**
MOS I 18 08 11 29.9–1.0 1.54N 126.33E 33 5.0b,4.5
ISCJB I 18 08 11 30.5–.20 1.61N–.02 126.72E–.03 36 4.8b,4.7s
BJI I 18 08 11 32.2 1.50N 126.50E 37 5.1b,4.9s
NEIC I 18 08 11 35.0–.90 1.50N 126.38E 64–8 4.8b,4.9s
DJA I 18 08 11 36 1.58N 126.52E 49 5.1b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=10.0km az=71.0.
MOS Error ellipse: s-maj=15.5km s-min=6.1km az=116.3.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.5km az=170.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=3.7km az=66.0.
IDC I 19 15 36 56.5–1.9 2.24N 127.88E 0 3.8,3.6b
¶12081771
IDC Error ellipse: s-maj=146.0km s-min=23.0km az=66.0.
IDC I 19 16 08 29.9–11 1.42N 126.04E 0 3.7,3.5b
DJA I 19 16 08 43 1.03N 126.65E 3 4.3,3.5b **¶12081772**
IDC Error ellipse: s-maj=176.9km s-min=171.8km az=145.0.
ISC I 20 17 58 24.7–.85 1.3N–.10 126.2E–.30 47 3.8b 23 6-77
NEIC I 20 17 58 18.9–.48 1.51N 126.65E 10 4.3b **¶12081887**
IDC I 20 17 58 18.5–.83 1.24N 125.98E 0 3.9,3.8L
DJA I 20 17 58 24 1.37N 126.30E 15 3.9,3.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=43.9km s-min=6.8km az=71.0.
IDC Error ellipse: s-maj=64.9km s-min=15.0km az=71.0.
IDC I 20 23 47 14.3–1.7 1.38N 126.51E 0 4.7,4.5
DJA I 20 23 47 27 1.88N 127.41E 110 4.2,4.5 **¶12081912**
IDC Error ellipse: s-maj=158.8km s-min=22.6km az=65.0.
IDC I 21 00 48 42.0–1.8 0.96N 125.82E 0 3.9,3.7
DJA I 21 00 48 48 1.09N 126.19E 50 3.8,3.7 **¶12081919**
IDC Error ellipse: s-maj=164.0km s-min=23.1km az=65.0.
IDC I 21 05 53 46.5–1.5 2.61N 126.31E 0 3.8,3.5b
¶12081953
IDC Error ellipse: s-maj=180.5km s-min=24.5km az=72.0.
IDC I 21 16 59 26.7–1.8 0.78N 125.65E 0 3.4,3.2b
¶12081984
IDC Error ellipse: s-maj=166.5km s-min=24.4km az=64.0.
IDC I 22 08 02 09.4–1.4 0.81N 125.59E 0 4.0,3.8b
¶12082040
IDC Error ellipse: s-maj=171.1km s-min=18.2km az=64.0.
ISC I 23 06 11 56.5–.66 0.14N–.06 126.16E–.07 44 4.2b 33 1-76
IDC I 23 06 11 50.1–.84 0.22N 126.10E 0 4.1b,4.1 **¶12082105**
ISCJB I 23 06 11 54.4–.44 0.19N–.07 126.16E–.08 44 4.2b,4.1
DJA I 23 06 11 55 0.11N 126.13E 2 3.9,4.1
NEIC I 23 06 11 55.0–.46 0.25N 126.35E 35 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=16.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=7.2km az=145.7.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.8km az=70.0.
IDC I 24 15 58 04.6–2.3 0.27N 126.69E 0 3.4,3.2
¶12082234
IDC Error ellipse: s-maj=229.1km s-min=25.0km az=66.0.
IDC I 25 00 52 08.9–2.1 1.45N 126.40E 0 3.7,3.4b
¶12082266
IDC Error ellipse: s-maj=168.7km s-min=26.4km az=65.0.
IDC I 25 01 25 36.3–1.1 2.80N 127.63E 0 4.0,3.9
DJA I 25 01 25 52 1.16N 126.61E 117 3.6,3.9 **¶12082268**
IDC Error ellipse: s-maj=89.9km s-min=15.6km az=70.0.
ISC I 26 05 02 55.3–.53 0.99N–.07 126.11E–.07 44 4.4b 50 1-124
ISCJB I 26 05 02 54.0–.36 1.07N–.04 126.25E–.05 44 4.2b,3.0s **¶12082354**
NEIC I 26 05 02 55.9–1.6 0.97N 126.17E 51–16 4.5b,3.0s
BJI I 26 05 02 56.0 1.33N 125.59E 37 4.8b,3.0s
DJA I 26 05 02 56 0.99N 126.11E 19 4.8,3.0s
IDC I 26 05 02 58.1–3.0 0.90N 126.04E 74–29 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.3km az=169.6.

NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.2km az=66.0.
IDC Error ellipse: s-maj=26.4km s-min=10.2km az=74.0.
IDC I 26 05 37 47.0–1.6 0.94N 126.39E 0 3.7,3.6L
¶12082356
IDC Error ellipse: s-maj=55.3km s-min=24.2km az=67.0.
IDC I 26 08 42 24.9–2.0 1.97N 126.78E 0 3.8,3.6
DJA I 26 08 42 31 1.70N 126.34E 10 3.8,3.6 **¶12082362**
IDC Error ellipse: s-maj=175.0km s-min=23.4km az=66.0.
IDC I 26 19 27 45.9–1.7 1.15N 126.16E 0 3.6,3.4b
¶12082398
IDC Error ellipse: s-maj=169.4km s-min=23.0km az=66.0.
IDC I 26 19 51 32.0–2.0 0.77N 125.84E 0 3.4,3.2b
DJA I 26 19 51 37 0.81N 126.10E 60 3.4,3.2b **¶12082402**
IDC Error ellipse: s-maj=172.9km s-min=26.5km az=65.0.
IDC I 27 08 28 17.5–8.3 2.29N 127.90E 138–80 3.6,3.4b
¶12082459
IDC Error ellipse: s-maj=145.1km s-min=15.5km az=68.0.
ISC I 27 13 02 11.6–.84 1.03N–.08 126.96E–.07 72 3.9b 20 0-87
IDC I 27 13 02 03.2–.80 1.22N 127.32E 0 4.4L,4.1 **¶12082477**
ISCJB I 27 13 02 10.2–.63 1.08N–.07 126.97E–.06 72 3.9b,4.1
DJA I 27 13 02 11 1.04N 126.86E 24 4.2,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=13.2km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=8.6km az=21.6.
IDC I 27 13 37 48.0–1.9 1.26N 125.22E 0 3.4,3.2b
¶12082481
IDC Error ellipse: s-maj=181.7km s-min=25.3km az=64.0.
IDC I 27 17 38 57.7–2.0 1.37N 126.65E 0 3.5,3.3b
DJA I 27 17 39 01 1.66N 127.52E 25 3.5,3.3b **¶12082501**
IDC Error ellipse: s-maj=172.3km s-min=24.4km az=66.0.
ISC I 27 22 22 14.6–.81 2.3N–.10 127.0E–.30 53 3.8b 20 23-73
IDC I 27 22 22 07.9–.89 2.37N 126.91E 0 4.0,3.9 **¶12082517**
NEIC I 27 22 22 12.9–.49 2.36N 126.90E 35 3.9b,3.9
ISCJB I 27 22 22 13.1–.56 2.4N–.10 126.8E–.20 53 3.8b,3.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC I 28 01 25 02.7–19 2.0N–.40 127E–2.0 10 3.9b 4 1-59
DJA I 28 01 24 35.0–2.1 2N–14 129E–19 10 5.3b,5.0b **¶12082527**
IDC I 28 01 25 05.5–.84 2.11N 126.54E 0 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=76.0km s-min=16.1km az=75.0.
IDC I 28 03 57 42.0–1.3 1.69N 126.12E 0 3.7,3.5
¶12082537
IDC Error ellipse: s-maj=139.1km s-min=21.0km az=69.0.
IDC I 28 05 31 27.1–1.2 0.84N 126.33E 0 4.0,3.8b
¶12082547
IDC Error ellipse: s-maj=133.6km s-min=19.1km az=67.0.
IDC I 28 09 54 21.9–4.6 0.67N 126.52E 21–28 3.8,3.7
DJA I 28 09 54 25 0.53N 126.31E 21 4.2,3.7 **¶12082561**
IDC Error ellipse: s-maj=51.2km s-min=15.7km az=70.0.
ISC I 28 15 38 20.9–.69 1.1N–.10 125.8E–.40 44 4.2b 18 6-123
IDC I 28 15 38 14.9–.63 1.07N 125.74E 0 4.2,4.1b **¶12082584**
ISCJB I 28 15 38 19.1–.55 1.06N–.10 125.8E–.30 44 4.1b,4.1b
DJA I 28 15 38 20 1.22N 126.14E 17 4.4,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=52.3km s-min=13.1km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=42.3km s-min=9.5km az=165.2.
IDC I 28 16 24 23.5–2.1 1.30N 126.88E 0 3.6,3.3b
¶12082589
IDC Error ellipse: s-maj=169.5km s-min=25.9km az=66.0.
IDC I 28 20 03 36.8–2.1 0.40N 125.90E 0 3.5,3.3b
DJA I 28 20 03 41 0.19N 125.89E 10 3.4,3.3b **¶12082608**
IDC Error ellipse: s-maj=221.0km s-min=25.7km az=65.0.
IDC I 28 22 44 43.1–.92 2.05N 126.29E 0 3.9,3.8
¶12082613
IDC Error ellipse: s-maj=76.5km s-min=16.9km az=74.0.
IDC I 28 23 01 53.7–1.3 2.06N 126.05E 0 3.6,3.4b
¶12082616
IDC Error ellipse: s-maj=152.2km s-min=21.0km az=69.0.
IDC I 30 07 18 06.8–1.2 1.87N 126.52E 0 4.1,3.8b
DJA I 30 07 18 14 1.74N 126.44E 20 4.3,3.8b **¶12082724**
IDC Error ellipse: s-maj=76.7km s-min=22.0km az=71.0.
IDC I 30 08 28 03.4–1.9 2.53N 127.40E 0 3.8,3.7b
¶12082729
IDC Error ellipse: s-maj=163.6km s-min=21.2km az=67.0.
ISC I 30 19 53 15.2–.75 1.14N–.10 126.2E–.10 44 3.9b 15 1-123
ISCJB I 30 19 53 13.6–.55 1.08N–.07 126.21E–.07 44 3.9b **¶12082759**
DJA I 30 19 53 14 1.00N 126.14E 10 4.3
IDC I 30 19 53 17.4–4.3 1.00N 126.09E 69–43 3.8L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=9.9km az=166.1.
IDC Error ellipse: s-maj=37.2km s-min=15.0km az=75.0.
IDC I 31 10 13 59.4–1.5 1.82N 125.83E 0 3.3,3.3
¶12082805
IDC Error ellipse: s-maj=153.8km s-min=23.5km az=68.0.
IDC II 01 19 31 24.0–2.0 1.48N 126.37E 0 3.4,3.2
¶15954838
IDC Error ellipse: s-maj=169.9km s-min=25.4km az=65.0.
IDC II 01 20 54 41.1–.75 2.35N 126.76E 0 4.1,4.0
DJA II 01 20 54 45 2.39N 126.89E 10 4.1,4.0 **¶12699361**
IDC Error ellipse: s-maj=39.5km s-min=14.0km az=76.0.
IDC II 02 10 08 57.3–1.9 2.01N 127.80E 0 3.7,3.5
¶15954887
IDC Error ellipse: s-maj=131.6km s-min=24.8km az=66.0.
IDC II 02 23 09 18.2–1.9 1.52N 125.93E 0 3.6,3.4
¶15954916
IDC Error ellipse: s-maj=181.2km s-min=23.5km az=65.0.
IDC II 03 20 06 50.5–2.1 1.16N 126.67E 0 3.5,3.3s
DJA II 03 20 07 00 1.24N 126.85E 35 3.3,3.3s **¶12699491**
IDC Error ellipse: s-maj=167.9km s-min=26.3km az=66.0.
IDC II 04 20 33 50.2–2.5 0.44N 125.78E 0 3.6,3.4
¶15955023
IDC Error ellipse: s-maj=290.0km s-min=26.8km az=65.0.
IDC II 06 07 01 54.9–2.6 1.50N 126.89E 0 3.5,3.3
¶15955131
IDC Error ellipse: s-maj=246.2km s-min=26.9km az=66.0.
ISC II 06 10 27 07.4–1.1 1.18N–.07 126.9E–.10 80–8 4.2b 44 9-124
NEIC II 06 10 27 04.9–2.4 1.26N 127.11E 56–23 4.3b **¶12699660**
IDC II 06 10 27 06.7–2.3 1.26N 127.11E 72–20 4.0,3.9
DJA II 06 10 27 07 1.36N 126.86E 34 4.6,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=8.5km az=70.0.
IDC Error ellipse: s-maj=30.6km s-min=12.2km az=79.0.
IDC II 06 11 05 24.4–1.8 1.06N 126.50E 0 3.4,3.3
¶15955140
IDC Error ellipse: s-maj=183.6km s-min=22.7km az=66.0.
IDC II 07 00 21 51.5–2.3 2.23N 126.83E 0 3.6,3.4
¶15955163
IDC Error ellipse: s-maj=176.5km s-min=28.2km az=66.0.
ISC II 07 06 23 41.3–1.1 2.5N–.20 127.9E–.30 51 3.9b 14 23-69
IDC II 07 06 23 34.8–.98 2.39N 127.41E 0 4.1,3.9 **¶12699714**
ISCJB II 07 06 23 39.6–.82 2.5N–.10 127.9E–.20 51 4.0b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC II 10 02 26 12.9–2.1 2.83N 127.54E 0 3.7,3.5
¶15955344
IDC Error ellipse: s-maj=230.5km s-min=19.3km az=66.0.
IDC II 10 07 38 22.5–1.7 2.89N 127.43E 0 4.1,3.9
¶15955352
IDC Error ellipse: s-maj=94.6km s-min=23.9km az=68.0.

IDC II 11 08 05 35.7–2.1 2.53N 127.51E 0 3.8,3.5
¶15955411
IDC Error ellipse: s-maj=113.2km s-min=22.2km az=62.0.
IDC II 13 13 42 00.6–7.5 2.69N 127.29E 0 4.1,3.9
DJA II 13 13 42 19 1.54S 120.41E 10 3.1,3.9 **¶15955933**
IDC Error ellipse: s-maj=120.5km s-min=90.0km az=143.0.
IDC II 15 19 25 06.4–1.2 2.61N 127.82E 0 3.9,3.7
¶15956178
IDC Error ellipse: s-maj=112.0km s-min=18.2km az=69.0.
IDC II 16 21 27 11.2–2.0 0.27N 126.66E 0 3.4,3.2
¶15956309
IDC Error ellipse: s-maj=177.1km s-min=26.1km az=65.0.
ISC II 17 04 08 43.6–7.5 2.1N–.80 126.7E–.40 47 3.8b 5 1-59
DJA II 17 04 08 31.6–3.7 3N–43 127E–19 54–89 4.3,4.3 **¶12700976**
IDC II 17 04 08 40.4–2.0 1.71N 126.52E 0 4.1,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=172.4km s-min=24.4km az=66.0.
IDC II 18 10 59 03.2–7.3 3.00N 127.33E 0 3.9,3.7b
¶15956554
IDC Error ellipse: s-maj=157.3km s-min=114.4km az=77.0.
IDC II 19 08 47 45.5–1.3 2.13N 127.76E 0 4.9s,4.9
¶15956698
IDC Error ellipse: s-maj=90.0km s-min=17.8km az=69.0.
IDC II 20 00 38 18.0–1.5 2.22N 127.93E 0 3.9,3.7
¶15956798
IDC Error ellipse: s-maj=101.9km s-min=18.5km az=69.0.
IDC II 20 07 07 24.3–9.6 1.58N 125.79E 0 3.8,3.6
¶15956808
IDC Error ellipse: s-maj=173.6km s-min=147.7km az=70.0.
IDC II 20 13 49 33.6–1.6 1.63N 126.98E 0 3.7,3.6
¶15956818
IDC Error ellipse: s-maj=160.5km s-min=19.2km az=66.0.
ISC II 21 07 28 28.6–1.2 1.20N–.06 126.91E–.08 77–9 4.3b 63 1-124
NEIC II 21 07 28 23.8–.41 1.31N 127.10E 35 4.3b **¶12701408**
IDC II 21 07 28 27.0–2.1 1.23N 126.94E 64–17 4.0,3.9
DJA II 21 07 28 29 1.28N 126.81E 18 4.4,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=8.2km az=78.0.
IDC Error ellipse: s-maj=32.9km s-min=12.7km az=74.0.
IDC II 22 09 47 17.9–2.1 1.52N 126.32E 0 3.7,3.5
¶15956929
IDC Error ellipse: s-maj=175.0km s-min=26.0km az=65.0.
IDC II 23 16 54 49.5–1.4 2.22N 127.26E 0 3.5,3.4
¶15957070
IDC Error ellipse: s-maj=137.6km s-min=21.4km az=70.0.
IDC II 24 21 55 34.0–1.4 1.21N 126.70E 0 3.7,3.6
¶15957185
IDC Error ellipse: s-maj=140.0km s-min=20.6km az=69.0.
ISC II 25 02 43 09.8–.73 2.8N–.10 127.1E–.30 44 4.1b 28 21-124
IDC II 25 02 43 04.0–1.0 2.79N 126.85E 0 4.0,3.9 **¶12701795**
ISCJB II 25 02 43 07.6–.58 2.9N–.10 127.1E–.20 44 4.0b,3.9
NEIC II 25 02 43 08.5–.46 2.85N 127.12E 35 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=100.6km s-min=14.4km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=33.6km s-min=9.5km az=159.5.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=8.1km az=69.0.
IDC II 25 03 34 03.1–1.3 2.98N 127.02E 0 3.5,3.5
¶15957231
IDC Error ellipse: s-maj=108.3km s-min=17.9km az=73.0.
ISC II 25 17 16 35.1–1.4 1.3N–.10 126.94E–.07 72–12 3.4b 15 1-60
IDC II 25 17 16 25.2–2.8 1.59N 127.58E 0 3.6,3.4 **¶12701847**
ISCJB II 25 17 16 34.5–1.0 1.30N–.09 126.91E–.05 83–8 3.3b,3.4
DJA II 25 17 16 36.9–.60 1N–6.0 127E–4.0 19–8 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC II 26 06 07 53.9–.82 1.02N–.07 126.81E–.06 72 3.8b 18 1-60
IDC II 26 06 07 44.2–1.1 1.22N 126.91E 0 4.0L,3.9 **¶12701894**
ISCJB II 26 06 07 52.1–.80 1.15N–.07 126.92E–.06 72 3.7b,3.9
DJA II 26 06 07 55.7–.60 1N–12 127E–11 17–25 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC II 26 14 17 31.5–1.7 2.96N 126.99E 0 3.8,3.6
¶15957360
IDC Error ellipse: s-maj=105.1km s-min=23.2km az=68.0.
IDC II 26 16 32 40.0–1.9 2.50N 127.66E 0 3.7,3.5b
¶15957368
IDC Error ellipse: s-maj=163.0km s-min=22.1km az=67.0.
IDC II 27 01 09 34.0–9.1 1.27N 126.94E 49–90 3.7,3.7L
¶15957429
IDC Error ellipse: s-maj=94.3km s-min=16.6km az=60.0.
IDC III 02 11 33 16.3–2.1 1.03N 126.98E 0 3.2,3.1
¶12702260
IDC Error ellipse: s-maj=175.3km s-min=25.1km az=66.0.
IDC III 02 21 40 13.0–1.5 0.67N 125.19E 0 3.7,3.6s
¶12702300
IDC Error ellipse: s-maj=187.4km s-min=20.3km az=64.0.
IDC III 03 14 13 06.0–1.8 2.33N 126.04E 0 3.8,3.6
¶12702352
IDC Error ellipse: s-maj=112.7km s-min=23.0km az=68.0.
IDC III 03 18 02 23.1–.67 2.98N 127.15E 0 4.0,3.9b
¶12702371
IDC Error ellipse: s-maj=37.7km s-min=14.3km az=75.0.
IDC III 03 18 38 19.6–2.1 1.52N 126.30E 0 3.7,3.5b
¶12702374
IDC Error ellipse: s-maj=188.0km s-min=25.2km az=65.0.
ISC III 03 21 59 53.2–.34 1.70N–.03 126.52E–.04 54–2 5.0b,4.0s 405 1-148
MOS III 03 21 59 49.1–1.1 1.72N 126.46E 33 5.2b,4.0s **¶15153031**
BJI III 03 21 59 50.3 1.46N 126.54E 64 5.1b,4.9b
ISCJB III 03 21 59 51.6–.41 1.69N–.02 126.49E–.02 56–4 5.0b,4.1s
NEIC III 03 21 59 51.6–.86 1.71N 126.48E 41–8 5.1b,4.1s
IDC III 03 21 59 51.1–1.9 1.63N 126.42E 36–14 4.9L,4.6b
DJA III 03 21 59 53.4–.80 2N–3.0 127E–2.0 16–9 5.4b,5.1b
AUST III 03 21 59 54.1–.27 1.53N 126.50E 59–0 5.4b,5.1b
GCMT III 03 21 59 54.6–.30 1.73N 126.45E 36–1 4.9W,5.1b
ISC Event type se.
MOS Error ellipse: s-maj=13.1km s-min=5.5km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.6km az=147.9.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.1km az=64.0.
IDC Error ellipse: s-maj=16.6km s-min=7.9km az=71.0.
AUST Error ellipse: s-maj=0.9km s-min=0.6km az=226.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s30,c38; s63,c83;
Moment tensor: Scale 10^{16}Nm; M_{rr}1.40±.19 $M_{\theta\theta}$-0.11±.13; $M_{\phi\phi}$-1.29±.15; $M_{r\theta}$-0.27±.15;
$M_{\theta\phi}$-2.97±.10; $M_{\phi r}$0.58±.18; Best double couple: NP1:ϕ_s262.00000°,δ70.00000°,λ163.00000°.
NP2:ϕ_s358.00000°,δ74.00000°,λ21.00000°. Principal axes: T 2.6100,Plg26.0000°
,Azm221.0000°; N 1.1400,Plg64.0000°,Azm33.0000°; P -3.7400,Plg3.0000°,Azm129.0000°
M_o3.20000×10^{16}
IDC III 04 12 58 18.4–1.4 2.92N 126.22E 0 3.7,3.6s
¶12702425
IDC Error ellipse: s-maj=106.2km s-min=20.0km az=69.0.
IDC III 05 15 24 39.8–1.1 1.25N 126.07E 0 3.9,3.8b
¶12702497
IDC Error ellipse: s-maj=128.1km s-min=16.3km az=67.0.
IDC III 06 05 54 46.4–1.9 1.30N 126.74E 0 3.7,3.6
¶12702543
IDC Error ellipse: s-maj=193.4km s-min=22.0km az=66.0.
ISC III 06 11 30 19.8–.70 1.46N–.06 126.96E–.06 103 4.1b 48 1-64
ISCJB III 06 11 30 18.4–.49 1.53N–.04 127.06E–.04 103 3.9b **¶15153085**
IDC III 06 11 30 18.6–3.0 1.39N 127.08E 105–25 3.7,3.6b
DJA III 06 11 30 25.7–.40 1N–4.0 127E–3.0 92–6 5.2b,4.8b
AUST III 06 11 30 48.8–2.6 0.75S 127.85E 209–0 5.2b,4.8b
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.6km az=136.0.
IDC Error ellipse: s-maj=34.9km s-min=10.9km az=74.0.
AUST Error ellipse: s-maj=3.6km s-min=1.1km az=30.0.
ISC III 07 21 33 19.7–1.5 1.8N–.20 126.66E–.09 47 3.6b 8 1-59
DJA III 07 21 33 14.9–.70 1S–5.0 127E–5.0 10 3.3,3.3 ¶12702666
IDC III 07 21 33 14.2–1.9 1.53N 125.97E 0 3.8,3.6
ISCJB III 07 21 33 18.1–1.4 1.9N–.10 126.67E–.08 47 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC III 08 01 34 34.8–.49 1.16N–.05 126.73E–.05 103 4.3b 80 1-124
IDC III 08 01 34 28.9–1.9 1.31N 126.92E 53–15 4.2L,4.1 ¶12702676
NEIC III 08 01 34 31.3–1.7 1.24N 127.00E 78–15 4.4b,4.1
ISCJB III 08 01 34 32.7–.31 1.17N–.03 126.74E–.03 103 4.3b,4.1
DJA III 08 01 34 33.3–.60 1N–3.0 127E–2.0 14–6 5.0b,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 08 06 46 14.2–1.7 1.09N 126.59E 0 3.8,3.6
¶12702692

IDC Error ellipse: s-maj=164.7km s-min=21.7km az=66.0.
ISC III 08 14 02 44.9–.75 0.81N–.07 127.00E–.06 72 3.9b 22 0-76
IDC III 08 14 02 36.7–.87 0.91N 127.12E 0 4.0,3.9b ¶12702724
ISCJB III 08 14 02 42.8–.51 0.79N–.06 126.96E–.05 72 3.8b,3.9b
DJA III 08 14 02 42.5–.50 1N–8.0 127E–6.0 34–10 4.6b,4.5b
ISC Event type ke.
ISCJB Event type ke.
IDC III 08 18 20 12.3–1.8 2.40N 127.36E 0 3.5,3.3b
¶12702746

IDC Error ellipse: s-maj=136.7km s-min=24.5km az=65.0.
IDC III 10 05 05 09.3–2.1 1.18N 126.87E 0 3.5,3.3
¶12702847

IDC Error ellipse: s-maj=118.8km s-min=26.5km az=69.0.
IDC III 10 19 30 56.9–1.9 0.30N 125.94E 0 3.3,3.1
¶12702910

IDC Error ellipse: s-maj=168.3km s-min=25.5km az=65.0.
IDC III 12 04 37 19.6–2.0 2.06N 127.82E 0 3.7,3.6b
¶12703047

IDC Error ellipse: s-maj=144.2km s-min=26.2km az=66.0.
IDC III 13 18 21 36.8–2.2 2.56N 127.92E 0 3.3,3.2
¶12703191

IDC Error ellipse: s-maj=157.1km s-min=25.4km az=67.0.
IDC III 14 05 21 31.1–1.9 0.09N 125.34E 0 3.7,3.5b
¶12703227

IDC Error ellipse: s-maj=179.5km s-min=25.8km az=64.0.
ISC III 14 10 40 30.7–.43 1.81N–.06 126.46E–.07 47 4.3b 80 1-123
DJA III 14 10 40 25.6–2.0 2N–18 127E–9.0 10 5.3b,4.7 ¶12703250
ISCJB III 14 10 40 28.9–.30 1.81N–.04 126.44E–.05 47 4.3b,3.3s
NEIC III 14 10 40 29.3–.29 1.77N 126.39E 35 4.3b,3.3s
IDC III 14 10 40 30.0–2.6 1.78N 126.41E 39–22 4.2L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.1km az=166.2.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.0km az=81.0.
IDC Error ellipse: s-maj=23.6km s-min=9.1km az=78.0.
DJA III 15 06 39 57.7–.50 1N–5.0 127E–5.0 13 3.8,3.8
¶15850299

ISC III 15 21 44 02.9–.95 1.9N–.10 126.58E–.09 47 4.0b 15 1-69
IDC III 15 21 43 56.2–.97 1.80N 126.34E 0 3.9,3.8b ¶12703376
ISCJB III 15 21 44 00.7–.75 2.01N–.08 126.65E–.08 47 3.9b,3.8b
DJA III 15 21 44 02.1–3.5 2N–36 127E–15 47 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC III 16 06 42 51.7–2.2 2.02N 127.23E 0 3.7,3.5
¶12703404

IDC Error ellipse: s-maj=178.2km s-min=25.1km az=66.0.
IDC III 16 17 11 00.5–9.0 2.18N 126.93E 0 3.9,3.7b
¶12703434

IDC Error ellipse: s-maj=169.4km s-min=138.9km az=77.0.
IDC III 17 20 52 47.5–7.7 2.87N 127.66E 0 3.9,3.7b
¶12703535

IDC Error ellipse: s-maj=123.5km s-min=94.9km az=141.0.
IDC III 17 21 57 27.6–8.0 2.53N 126.94E 0 4.0,3.8b
¶12703540

IDC Error ellipse: s-maj=130.4km s-min=100.4km az=136.0.
IDC III 18 01 58 41.0–1.5 0.55N 126.69E 0 3.6,3.4
¶12703554

IDC Error ellipse: s-maj=171.6km s-min=25.0km az=72.0.
IDC III 18 18 56 29.5–1.9 0.58N 126.44E 0 3.5,3.3b
¶12703608

IDC Error ellipse: s-maj=167.4km s-min=24.7km az=65.0.
IDC III 19 00 07 59.2–2.0 0.62N 126.60E 0 3.6,3.4b
¶12703624

IDC Error ellipse: s-maj=176.4km s-min=24.7km az=66.0.
IDC III 19 10 55 33.6–2.0 1.24N 125.42E 0 3.4,3.2
¶12703673

IDC Error ellipse: s-maj=191.2km s-min=26.7km az=64.0.
IDC III 20 15 15 23.7–1.7 1.41N 126.35E 0 3.8,3.6b
¶12703828

IDC Error ellipse: s-maj=174.6km s-min=19.7km az=66.0.
IDC III 20 23 03 56.4–13 3.00N 126.82E 170–132 3.8L,3.5
¶12703858

IDC Error ellipse: s-maj=103.6km s-min=16.2km az=57.0.
IDC III 21 02 18 42.5–8.5 2.54N 127.23E 0 3.9s,3.9
¶12635147

IDC Error ellipse: s-maj=137.1km s-min=107.3km az=137.0.
ISC III 21 20 35 47.7–.47 2.34N–.06 126.95E–.07 53 4.2b 68 2-139
DJA III 21 20 35 24.2–2.7 4N–25 128E–10 10 5.3b,5.0b ¶15153348
IDC III 21 20 35 40.7–.57 2.28N 126.88E 0 4.2,4.2
ISCJB III 21 20 35 45.7–.31 2.41N–.04 126.93E–.05 53 4.2b,2.8s
AUST III 21 20 35 46.9 2.50N 127.00E 60 4.2b,2.8s
NEIC III 21 20 35 47.6–2.1 2.27N 126.90E 55–19 4.3b,2.8s
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=12.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.5km az=153.3.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=6.7km az=69.0.
IDC III 22 00 07 16.1–2.0 2.81N 127.20E 0 3.5,3.3
¶12635238

IDC Error ellipse: s-maj=121.0km s-min=23.5km az=69.0.
IDC III 22 10 53 38.3–2.0 0.02N 125.65E 0 3.2,3.1
¶12635281

IDC Error ellipse: s-maj=201.1km s-min=27.0km az=64.0.
IDC III 23 04 34 03.6–1.9 2.39N 127.72E 0 3.6,3.5b
¶12635355

IDC Error ellipse: s-maj=152.6km s-min=22.0km az=68.0.
IDC III 23 07 15 22.1–2.2 2.94N 126.35E 0 3.7,3.5b
¶12635364

IDC Error ellipse: s-maj=220.3km s-min=27.4km az=64.0.
IDC III 23 12 14 07.3–2.0 1.01N 126.49E 0 3.3,3.2
¶12635386

IDC Error ellipse: s-maj=226.9km s-min=21.2km az=66.0.
IDC III 24 15 01 09.2–2.0 2.98N 126.55E 0 3.3,3.1b
¶12635478

IDC Error ellipse: s-maj=169.8km s-min=25.0km az=66.0.
IDC III 28 01 19 43.4–1.5 1.14N 126.23E 0 3.7,3.5b
¶12635734

IDC Error ellipse: s-maj=163.2km s-min=21.3km az=67.0.
IDC III 29 07 38 40.7–1.8 1.29N 126.78E 0 3.6,3.4b
¶12635847

IDC Error ellipse: s-maj=174.5km s-min=22.1km az=66.0.
IDC III 29 08 44 30.0–2.2 1.49N 126.97E 0 3.3,3.2
¶12635852

IDC Error ellipse: s-maj=188.5km s-min=25.2km az=66.0.
IDC III 29 13 11 50.6–2.2 1.78N 126.74E 0 3.6,3.4
¶12635863

IDC Error ellipse: s-maj=180.1km s-min=26.2km az=66.0.
IDC III 29 22 32 46.5–2.1 2.22N 126.59E 0 3.6,3.4b
¶12635892

IDC Error ellipse: s-maj=178.3km s-min=24.9km az=66.0.
IDC III 30 20 16 44.4–2.1 1.51N 126.40E 0 3.5,3.2b
¶12635980

IDC Error ellipse: s-maj=179.7km s-min=25.2km az=65.0.
IDC III 31 11 43 26.9–2.1 2.94N 127.49E 0 3.6,3.4b
¶12636026

IDC Error ellipse: s-maj=153.7km s-min=25.4km az=67.0.
IDC III 31 20 02 18.0–9.3 2.33N 127.36E 0 3.7,3.6
¶12636050

IDC Error ellipse: s-maj=149.8km s-min=103.2km az=142.0.
IDC IV 01 09 26 28.2–1.3 1.25N 126.73E 0 3.9,3.8
¶16152218

IDC Error ellipse: s-maj=138.3km s-min=20.0km az=69.0.
IDC IV 02 14 45 04.2–1.2 1.88N 125.78E 0 3.7,3.5
¶16152273

IDC Error ellipse: s-maj=99.1km s-min=18.5km az=71.0.
DJA IV 03 09 28 27.7–1.2 2N–10 126E–6.0 69–23 5.0b,4.5b
¶15850352

ISC IV 04 20 17 15.0–1.2 1.72N–.05 125.94E–.07 62–11 4.1b 70 1-93
IDC IV 04 20 17 07.3–.58 1.63N 125.48E 0 4.1,4.1L ¶15153563
DJA IV 04 20 17 13.7–1.2 2N–8.0 126E–3.0 7–13 4.9b,4.5
ISCJB IV 04 20 17 13.7–.60 1.72N–.03 125.91E–.05 65–6 4.0b,4.5
AUST IV 04 20 17 15.7–1.8 1.62N 125.87E 69–0 4.0b,4.5
NEIC IV 04 20 17 17.4–2.1 1.63N 125.70E 88–21 4.3b,4.5
ISC Event type ke.
IDC Error ellipse: s-maj=42.5km s-min=12.0km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.5km az=173.4.
AUST Error ellipse: s-maj=2.1km s-min=1.3km az=256.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=7.6km az=70.0.
ISC IV 05 13 40 03.7–.98 0.87N–.06 126.97E–.05 49–10 4.0b 24 0-60
DJA IV 05 13 40 00.8–1.1 1N–8.0 127E–5.0 10 4.5b,4.4 ¶12934564
IDC IV 05 13 40 02.0–4.0 0.81N 127.00E 30–29 4.1L,4.0
ISCJB IV 05 13 40 02.7–.57 0.93N–.05 127.02E–.05 59–6 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
DJA IV 07 04 53 19.6–1.0 0N–4.0 125E–3.0 27–14 4.0,4.0
¶15850371

IDC IV 08 14 12 11.7–2.1 2.06N 127.70E 0 3.6,3.4
¶16152549

IDC Error ellipse: s-maj=138.8km s-min=26.0km az=67.0.
ISC IV 08 23 32 07.1–1.3 0.30N–.05 126.44E–.04 15–12 3.6b 13 1-60
IDC IV 08 23 31 53.8–1.9 0.30N 124.32E 0 3.5,3.3 ¶15850373
DJA IV 08 23 32 07.0–.40 0N–4.0 126E–2.0 10 3.2,3.2
ISC Event type ke.
IDC IV 09 05 03 35.9–1.9 1.05N 125.49E 0 3.6,3.4
¶16152574

IDC Error ellipse: s-maj=183.3km s-min=25.4km az=64.0.
ISC IV 09 17 32 12.5–.55 1.46N–.06 125.92E–.06 54 4.2b 35 1-123
ISCJB IV 09 17 32 11.8–.43 1.52N–.05 125.98E–.04 54 4.0b ¶16505281
DJA IV 09 17 32 11.7–.40 2N–4.0 126E–3.0 50–7 5.0b,4.6
IDC IV 09 17 32 15.6–2.4 1.33N 125.73E 86–21 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.8km az=7.4.
IDC Error ellipse: s-maj=24.1km s-min=8.9km az=80.0.
ISC IV 10 03 10 42.5–1.2 0.80N–.07 125.45E–.07 79 4.0b 16 1-36
IDC IV 10 03 10 30.0–9.7 1.21N 125.07E 0 4.1,4.0b ¶12934991
ISCJB IV 10 03 10 41.5–.86 0.75N–.06 125.44E–.06 79 4.0b,4.0b
DJA IV 10 03 10 42.3–1.0 1N–6.0 125E–5.0 15–16 4.1b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC IV 10 09 20 40.5–1.1 1.28N 126.64E 0 3.9,3.7
¶16152623

IDC Error ellipse: s-maj=123.6km s-min=16.9km az=67.0.
IDC IV 11 13 49 34.5–1.6 2.55N 126.68E 0 3.5,3.4
¶16152666

IDC Error ellipse: s-maj=101.9km s-min=22.3km az=68.0.
IDC IV 12 10 39 00.8–2.0 1.77N 126.36E 0 3.8,3.6
¶16152708

IDC Error ellipse: s-maj=170.6km s-min=24.2km az=66.0.
ISC IV 14 07 47 06.2–1.2 2.5N–.20 126.2E–.40 10 3.9b 12 21-74
ISCJB IV 14 07 47 04.2–1.1 2.5N–.20 126.3E–.30 10 3.8b ¶16152784
IDC IV 14 07 47 04.9–1.2 2.42N 125.81E 0 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=51.1km s-min=12.6km az=154.0.
IDC Error ellipse: s-maj=110.7km s-min=18.0km az=70.0.
ISC IV 15 12 39 09.0–1.2 1.3N–.10 126.35E–.06 47 3.8b 11 1-59
IDC IV 15 12 39 02.4–2.0 1.37N 126.40E 0 3.7,3.6 ¶12935297
DJA IV 15 12 39 07.5–.60 1N–10 126E–3.0 10 3.8,3.8
ISCJB IV 15 12 39 08.1–1.0 1.2N–.10 126.34E–.06 47 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC IV 16 15 56 42.4–8.6 2.45N 127.45E 0 3.7,3.5
¶16152847

IDC Error ellipse: s-maj=135.9km s-min=103.2km az=144.0.
IDC IV 17 13 21 58.4–8.5 2.39N 127.18E 0 4.0s,4.0
¶16152914

IDC Error ellipse: s-maj=135.0km s-min=100.0km az=142.0.
IDC IV 17 14 22 50.9–1.2 2.92N 127.38E 0 3.6,3.5
¶16152919

IDC Error ellipse: s-maj=95.7km s-min=18.1km az=72.0.
IDC IV 17 16 23 00.3–8.7 2.34N 127.09E 0 3.6,3.4
¶16152932

IDC Error ellipse: s-maj=168.1km s-min=134.8km az=77.0.
IDC IV 17 22 18 13.7–11 1.94N 126.67E 181–121 3.3,3.3b
¶16152952

IDC Error ellipse: s-maj=48.4km s-min=23.5km az=62.0.
IDC IV 18 02 02 52.7–1.9 0.69N 125.28E 0 3.6s,3.6
¶16152964

IDC Error ellipse: s-maj=190.7km s-min=24.8km az=64.0.
IDC IV 18 04 56 09.1–1.2 1.63N 126.42E 0 3.9,3.8
¶16152967

IDC Error ellipse: s-maj=97.1km s-min=17.7km az=70.0.
IDC IV 19 07 14 16.6–1.4 2.97N 126.39E 0 4.0,3.9
¶16153032

IDC Error ellipse: s-maj=104.8km s-min=18.2km az=68.0.
IDC IV 19 18 07 03.3–7.8 2.87N 127.58E 0 3.7,3.6
¶16153083

IDC Error ellipse: s-maj=125.1km s-min=94.9km az=141.0.
IDC IV 19 22 12 43.5–2.4 2.89N 127.37E 0 4.0,3.7
¶16153096

IDC Error ellipse: s-maj=183.1km s-min=27.1km az=67.0.
IDC IV 20 01 32 46.1–1.4 2.67N 126.75E 0 3.6,3.4
¶16153106

IDC Error ellipse: s-maj=113.8km s-min=19.9km az=73.0.
IDC IV 20 03 30 31.6–2.8 1.82N 126.74E 0 3.7,3.5
¶16153111

IDC Error ellipse: s-maj=273.2km s-min=25.8km az=66.0.
ISC IV 21 08 58 13.6–.42 2.05N–.04 127.38E–.06 100 4.3b 89 1-124
ISCJB IV 21 08 58 12.2–.29 2.07N–.03 127.41E–.04 100 4.4b ¶15153881
IDC IV 21 08 58 12.9–2.4 1.99N 127.47E 93–21 4.1,4.1
AUST IV 21 08 58 13.2–.02 2.16N 127.36E 111–0 4.1,4.1
DJA IV 21 08 58 13.7–1.0 2N–8.0 127E–5.0 88–11 4.7,4.7b
NEIC IV 21 08 58 14.6–1.1 1.94N 127.40E 109–10 4.4b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.2km az=20.3.
IDC Error ellipse: s-maj=22.2km s-min=9.2km az=78.0.

AUST Error ellipse: s-maj=1.2km s-min=1.1km az=337.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.0km az=79.0.
ISC IV 21 22 02 46.2–.68 1.06N–.08 126.48E–.08 39 4.1b 35 1-81
IDC IV 21 22 02 40.2–.86 1.00N 126.68E 0 4.1,4.0 ¶15153886
AUST IV 21 22 02 41.8–.03 2.09N 126.60E 112–0 4.1,4.0
ISCJB IV 21 22 02 44.1–.45 0.97N–.06 126.38E–.06 39 4.2b,4.0
NEIC IV 21 22 02 45.2–.43 0.98N 126.66E 35 4.1b,4.0
DJA IV 21 22 02 48.3–.90 1N–7.0 127E–6.0 51–16 4.1,4.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IV 23 04 20 25.0–1.6 1.02N 126.00E 0 3.5,3.4
¶16153292

IDC Error ellipse: s-maj=178.2km s-min=21.4km az=66.0.
IDC IV 23 15 14 51.6–2.0 1.15N 126.21E 0 3.5,3.4
¶16593292

IDC Error ellipse: s-maj=120.5km s-min=25.5km az=68.0.
IDC IV 23 21 37 55.6–2.0 2.04N 127.50E 0 3.7,3.6
¶16153316

IDC Error ellipse: s-maj=211.7km s-min=20.1km az=66.0.
IDC IV 24 11 46 06.4–2.1 0.90N 126.65E 0 3.5,3.3
¶16153334

IDC Error ellipse: s-maj=173.5km s-min=27.0km az=66.0.
ISC IV 24 17 49 50.5–1.1 1.0N–.10 126.27E–.05 39 3.7b 12 1-85
IDC IV 24 17 49 45.1–1.9 0.96N 126.43E 0 4.0,3.8 ¶12936070
DJA IV 24 17 49 48.9–2.5 1N–23 126E–12 64–38 4.3b,4.1
ISCJB IV 24 17 49 49.4–.75 0.9N–.10 126.22E–.05 39 3.8b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC IV 25 00 54 40.3–1.9 0.35N 126.15E 0 3.8,3.6
¶16153358

IDC Error ellipse: s-maj=173.6km s-min=25.7km az=65.0.
IDC IV 25 16 29 57.6–2.1 2.03N 126.65E 0 3.6,3.4
¶16153382

IDC Error ellipse: s-maj=165.5km s-min=25.2km az=66.0.
IDC IV 26 11 27 57.2–1.4 2.08N 127.52E 0 4.1s,4.1
¶16154515

IDC Error ellipse: s-maj=92.8km s-min=18.5km az=69.0.
IDC IV 26 19 33 23.1–1.8 1.30N 126.57E 0 3.8,3.7b
¶16154530

IDC Error ellipse: s-maj=113.7km s-min=23.4km az=69.0.
IDC IV 28 01 54 34.2–2.2 2.87N 127.56E 0 3.6,3.4
¶16154578

IDC Error ellipse: s-maj=152.4km s-min=26.7km az=67.0.
IDC IV 28 20 33 07.4–1.7 1.01N 126.52E 0 3.7,3.5
¶16154594

IDC Error ellipse: s-maj=172.2km s-min=21.5km az=66.0.
ISC IV 29 05 27 05.5–1.0 0.98N–.06 126.10E–.04 55–11 4.3b 30 1-124
IDC IV 29 05 27 02.9–6.7 0.90N 126.20E 33–54 4.2,4.0 ¶12936447
ISCJB IV 29 05 27 04.5–.45 0.91N–.05 126.11E–.03 70–6 4.1b,4.0
DJA IV 29 05 27 04.3–.80 1N–3.0 126E–2.0 17–11 5.0b,4.6b
ISC Event type ke.
ISCJB Event type ke.
IDC IV 29 15 04 28.2–8.4 2.12N 126.03E 0 3.7,3.5
¶16154629

IDC Error ellipse: s-maj=134.8km s-min=105.1km az=134.0.
ISC IV 29 15 28 56.8–1.1 1.45N–.09 126.49E–.07 47 3.8b 17 1-59
IDC IV 29 15 28 49.0–1.4 1.73N 126.74E 0 4.0,3.8 ¶12936409
DJA IV 29 15 28 55.8–.50 2N–5.0 126E–2.0 10 4.5b,4.1
ISCJB IV 29 15 28 57.5–.81 1.41N–.09 126.41E–.05 47 3.7b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC IV 29 18 14 26.9–2.1 0.99N 126.05E 0 3.6,3.3
¶16154638

IDC Error ellipse: s-maj=176.9km s-min=26.6km az=65.0.
ISC IV 30 17 25 54.3–.95 2.28N–.10 127.86E–.10 134 3.8b 18 5-59
IDC IV 30 17 25 55.5–10 2.26N 128.39E 151–95 3.7,3.5 ¶15154026
AUST IV 30 17 26 00.6 2.00N 128.00E 200 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=74.6km s-min=15.2km az=62.0.
IDC IV 30 17 56 20.3–2.1 1.99N 126.15E 0 3.7,3.4
¶16154673

IDC Error ellipse: s-maj=175.8km s-min=26.2km az=65.0.
IDC V 02 14 58 18.3–2.3 1.97N 126.37E 0 3.3,3.1
¶16154839

IDC Error ellipse: s-maj=193.6km s-min=27.4km az=66.0.
IDC V 04 06 58 09.9–2.1 1.61N 126.42E 0 3.8,3.6b
¶16154888

IDC Error ellipse: s-maj=160.0km s-min=26.4km az=66.0.
IDC V 04 12 30 33.1–1.3 1.15N 125.49E 0 3.8,3.7
¶16154894

IDC Error ellipse: s-maj=171.0km s-min=17.6km az=66.0.
ISC V 05 12 48 03.8–.52 1.60N–.05 126.93E–.05 103 4.1b 53 1-124
IDC V 05 12 48 00.6–2.8 1.64N 127.12E 75–25 4.0,3.8 ¶15154130
ISCJB V 05 12 48 02.8–.34 1.64N–.03 126.95E–.04 103 4.0b,3.8
AUST V 05 12 48 04.3 1.50N 127.00E 100 4.0b,3.8
DJA V 05 12 48 06.2–.50 2N–6.0 127E–2.0 83–10 5.1b,4.8b
MAN V 05 12 49 18 6.88N 124.69E 48 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=10.4km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=140.3.
IDC V 05 19 17 03.0–1.4 0.91N 126.08E 0 3.7,3.5
¶16154939

IDC Error ellipse: s-maj=137.0km s-min=21.5km az=68.0.
IDC V 06 16 36 29.1–2.0 2.38N 127.99E 0 3.5,3.2
¶16155458

IDC Error ellipse: s-maj=140.1km s-min=24.5km az=67.0.
ISC V 07 12 21 12.0–.54 0.00N–.06 125.87E–.06 44 4.2b 53 2-125
IDC V 07 12 21 05.7–.66 0.01S 125.96E 0 4.4,4.2 ¶15154194
NEIC V 07 12 21 07.2–.32 0.01N 126.02E 10 4.6b,4.2
ISCJB V 07 12 21 10.3–.33 0.02S–.04 125.87E–.04 44 4.3b,4.2
DJA V 07 12 21 11.2–.30 0N–4.0 126E–3.0 23 4.7b,4.3b
AUST V 07 12 21 12.3–2.9 0.07S 126.06E 50–0 4.7b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=14.7km az=76.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.2km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.7km az=153.0.
AUST Error ellipse: s-maj=2.8km s-min=1.2km az=43.0.
ISC V 07 19 17 37.3–.89 0.86N–.08 126.35E–.05 39 3.8b 13 1-64
IDC V 07 19 17 30.9–1.3 0.83N 126.09E 0 3.9,3.8b ¶13678518
ISCJB V 07 19 17 36.6–.69 0.70N–.07 126.33E–.05 39 3.8b,3.6s
DJA V 07 19 17 38.4–1.1 1N–6.0 126E–3.0 57–18 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC V 10 01 46 14.4–2.1 0.99N 126.31E 0 3.6,3.4
¶16155564

IDC Error ellipse: s-maj=182.2km s-min=25.5km az=65.0.
ISC V 10 18 47 57.4–.48 1.04N–.05 126.11E–.06 44 4.3b 66 1-123
NEIC V 10 18 47 52.2–.37 1.03N 125.90E 10 4.6b ¶15154247
ISCJB V 10 18 47 56.3–.31 1.04N–.03 126.12E–.04 44 4.3b
DJA V 10 18 47 57.8–.90 1N–4.0 126E–3.0 22–13 5.1b,4.6b
IDC V 10 18 47 58.0–2.8 0.93N 125.99E 51–26 4.0,3.9L
AUST V 10 18 48 08.1 0.00N 126.00E 60 4.0,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.9km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.9km az=160.4.
IDC Error ellipse: s-maj=25.8km s-min=9.9km az=80.0.
IDC V 10 20 24 35.9–2.3 1.37N 126.65E 0 3.3,3.2
¶16155603

IDC Error ellipse: s-maj=180.9km s-min=28.3km az=66.0.
IDC V 12 00 06 16.3–.95 2.02N 126.98E 0 3.9,3.7
¶16155655

IDC Error ellipse: s-maj=61.0km s-min=16.5km az=78.0.
IDC V 13 00 56 21.0–1.3 1.17N 125.70E 0 3.8,3.7
¶16155692

IDC Error ellipse: s-maj=112.0km s-min=17.9km az=67.0.
ISC V 13 04 10 19.3–.41 2.86N–.04 126.18E–.05 72 4.4b 88 2-123
ISCJB V 13 04 10 17.4–.26 2.95N–.03 126.20E–.04 72 4.2b ¶15154302
AUST V 13 04 10 20.1–.43 2.92N 126.26E 89–0 4.2b
IDC V 13 04 10 20.6–2.1 2.83N 125.97E 88–18 4.0,3.9b
NEIC V 13 04 10 21.1–.82 2.87N 126.10E 94–7 4.4b,3.9b
DJA V 13 04 10 22.7–.70 3N–5.0 126E–4.0 53–18 5.2b,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 16 08 38 41.3–2.2 2.24N 127.76E 0 3.5,3.4
¶16155800

IDC Error ellipse: s-maj=160.7km s-min=25.2km az=67.0.
IDC V 17 01 57 30.3–2.1 2.20N 126.76E 0 3.7,3.5
¶16155828

IDC Error ellipse: s-maj=117.6km s-min=26.0km az=70.0.
ISC V 17 23 23 04.8–.30 2.47N–.03 126.77E–.04 51–2 5.0b,3.7s 411 1-166
NEIC V 17 23 22 58.9–.18 2.51N 126.77E 10 5.1b,3.7s ¶15154359
BJI V 17 23 22 58.9 1.88N 126.88E 55 5.0b,5.0b
MOS V 17 23 23 01.0–.95 2.47N 126.70E 33 5.2b,5.0b
IDC V 17 23 23 02.8–2.6 2.40N 126.74E 33–19 4.7,4.7
AUST V 17 23 23 04.6–.20 2.40N 126.85E 54–0 4.7,4.7
ISCJB V 17 23 23 04.2–.47 2.49N–.02 126.87E–.03 65–4 4.9b,4.7
DJA V 17 23 23 06.1–.30 2N–3.0 127E–2.0 10 5.4b,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 20 06 11 45.3–1.9 2.43N 126.34E 0 3.7,3.5
¶16155938

IDC Error ellipse: s-maj=116.7km s-min=24.8km az=69.0.
IDC V 21 01 09 55.4–1.9 2.20N 127.98E 0 3.8,3.6
¶16155977

IDC Error ellipse: s-maj=103.9km s-min=23.5km az=70.0.
ISC V 22 12 48 17.6–.29 1.35N–.03 126.07E–.04 54 4.6b,3.6s 214 1-123
IDC V 22 12 48 10.4–.50 1.27N 125.75E 0 4.5,4.4 ¶15154473
BJI V 22 12 48 12.3 0.96N 125.90E 37 4.9b,4.8b
NEIC V 22 12 48 15.7–.30 1.34N 125.98E 35 4.6b,4.8b
ISCJB V 22 12 48 16.2–.19 1.34N–.02 126.06E–.03 54 4.6b,3.8s
DJA V 22 12 48 17.2–.40 2N–6.0 126E–2.0 56–6 5.3b,4.9
AUST V 22 12 48 21.9–.23 1.15N 126.09E 93–0 5.3b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=10.6km az=73.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.8km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.1km az=155.7.
AUST Error ellipse: s-maj=0.9km s-min=0.8km az=43.0.
ISC V 23 11 13 28.2–1.5 1.7N–.10 125.9E–.10 54 3.3b 10 1-59
IDC V 23 11 13 22.0–1.9 1.58N 125.68E 0 3.6,3.4 ¶13679463
ISCJB V 23 11 13 26.5–1.2 1.7N–.10 125.90E–.07 54 3.4b,3.4
DJA V 23 11 13 29.4–1.1 2N–13 126E–6.0 56–11 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC V 23 11 25 47.9–2.5 2.15N 126.62E 0 3.6,3.4
¶16156048

IDC Error ellipse: s-maj=228.5km s-min=25.5km az=66.0.
IDC V 23 16 51 20.1–1.1 2.27N 126.25E 0 3.7,3.6
¶16156055

IDC Error ellipse: s-maj=76.1km s-min=18.8km az=75.0.
IDC V 24 05 45 41.5–2.4 0.51N 125.56E 0 3.8,3.6
¶16156085

IDC Error ellipse: s-maj=296.3km s-min=24.9km az=64.0.
ISC V 24 20 33 41.5–.97 0.90N–.06 126.11E–.04 44 3.9b 17 1-36
IDC V 24 20 33 35.0–14 0.81N 125.94E 0 4.1,4.0b ¶13679586
ISCJB V 24 20 33 40.7–.51 0.84N–.05 126.10E–.04 44 4.0b,4.0b
DJA V 24 20 33 41.2–.80 1N–3.0 126E–2.0 26–12 4.3b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC V 26 11 52 05.2–8.5 2.70N 127.60E 0 3.8,3.6
¶16156182

IDC Error ellipse: s-maj=187.2km s-min=132.0km az=78.0.
ISC V 26 12 30 29.7–1.4 1.20N–.09 126.99E–.08 10 3.5b 8 1-60
ISCJB V 26 12 30 29.9–1.0 1.15N–.09 126.96E–.08 10 3.4b ¶13679681
DJA V 26 12 30 29.9–.60 1N–4.0 127E–4.0 10 3.4,3.4
IDC V 26 12 30 32.4–2.2 1.04N 127.45E 0 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=8.8km az=38.8.
IDC Error ellipse: s-maj=184.6km s-min=25.2km az=67.0.
ISC V 26 16 30 15.9–.51 2.34N–.05 126.75E–.05 55 4.0b 46 1-148
ISCJB V 26 16 30 14.4–.35 2.40N–.04 126.77E–.03 55 4.0b,2.8s ¶15155525
DJA V 26 16 30 14.7–.50 2N–5.0 127E–3.0 10 4.8b,4.6b
IDC V 26 16 30 15.9–2.9 2.23N 126.65E 62–26 3.9,3.8
AUST V 26 16 30 18.9–.33 2.26N 126.76E 98–0 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.8km az=1.4.
IDC Error ellipse: s-maj=31.5km s-min=10.3km az=77.0.
AUST Error ellipse: s-maj=1.0km s-min=0.8km az=239.0.
IDC V 27 01 55 54.2–2.1 0.57N 126.21E 0 3.5,3.3
¶16156204

IDC Error ellipse: s-maj=180.1km s-min=26.7km az=65.0.
IDC V 27 03 27 05.9–2.0 2.65N 127.57E 0 3.6,3.5
¶16156205

IDC Error ellipse: s-maj=167.3km s-min=24.4km az=66.0.
IDC V 28 01 54 28.5–1.2 2.17N 126.47E 0 4.0,3.9
¶16156246

IDC Error ellipse: s-maj=93.5km s-min=14.8km az=69.0.
IDC V 28 23 18 19.9–1.9 0.91N 125.89E 0 3.8,3.5
¶16156289

IDC Error ellipse: s-maj=171.1km s-min=24.5km az=65.0.
ISC V 29 19 12 32.5–.29 0.97N–.03 126.19E–.03 33–1 5.2b,4.3s 470 1-159
BJI V 29 19 12 27.9 0.59N 126.14E 32 5.1b,5.0b ¶12869545
ISCJB V 29 19 12 30.9–.18 1.02N–.02 126.25E–.03 31 5.2b,4.4s
IDC V 29 19 12 30.6–3.1 0.91N 126.01E 17–18 4.9,4.9
MOS V 29 19 12 31.1–1.2 0.97N 126.10E 33 5.4b,4.2s
NEIC V 29 19 12 32.5–.20 0.96N 126.11E 35 5.2b,4.2s
DJA V 29 19 12 36.3–.30 1N–3.0 126E–2.0 52–4 5.5,5.5b
GCMT V 29 19 12 38.2–.20 1.10N 126.23E 38–0 5.3W,5.5b
NSSC V 29 19 13 04.2–.63 3.10N 119.18E 0–999 5.3W,5.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.0km az=12.3.
IDC Error ellipse: s-maj=18.7km s-min=8.1km az=77.0.
MOS Error ellipse: s-maj=11.3km s-min=5.5km az=111.7.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.8km az=75.0. Felt at Manado, Indonesia.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c95; s88,c149;
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00
Best double couple: NP1:ϕ_s86.00000°,δ51.00000°,λ25.00000°. NP2:ϕ_s340.00000°
,δ71.00000°,λ138.00000°. Principal axes: T 1.0800,Plg42.0000°,Azm295.0000°
; N -0.0500,Plg45.0000°,Azm139.0000°; P -1.0300,Plg12.0000°,Azm37.0000°
$M_0$1.10000×10^{17}
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC V 29 19 38 39.8–.70 0.9N–.20 126.0E–.40 44 4.0b 27 22-123
IDC V 29 19 38 33.6–.70 0.90N 125.90E 0 3.9,3.8 ¶13679919
ISCJB V 29 19 38 37.4–.56 0.9N–.10 125.9E–.30 44 4.0b,3.8
NEIC V 29 19 38 38.5–.47 0.88N 125.88E 35 4.3b,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=60.4km s-min=15.7km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=49.6km s-min=10.2km az=158.7.
NEIC Event type fe. Error ellipse: s-maj=42.5km s-min=8.9km az=69.0. Felt at Manado, Indonesia.
ISC V 29 20 43 44.1–.38 0.94N–.04 126.13E–.05 45–2 4.6b 172 1-124

IDC V 29 20 43 37.4–.48 0.86N 125.95E 0 4.5,4.4 ¶15155573
BJI V 29 20 43 38.2 0.49N 126.26E 41 5.1b,4.8b
DJA V 29 20 43 43.9–.30 1N–5.0 126E–3.0 15 5.0b,5.0b
ISCJB V 29 20 43 43.8–.48 0.90N–.03 126.09E–.04 64–5 4.5b,5.0b
NEIC V 29 20 43 45.3–1.4 0.86N 126.10E 63–13 4.5b,5.0b
AUST V 29 20 43 50.4 0.50N 126.00E 100 4.5b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=11.1km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.5km az=165.3.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.0km az=70.0.
IDC V 30 04 10 40.0–1.9 1.12N 126.30E 0 3.6,3.4
¶16066063

IDC Error ellipse: s-maj=114.9km s-min=25.3km az=69.0.
IDC V 30 04 30 18.5–1.6 1.03N 126.23E 0 3.9s,3.9
¶16066064

IDC Error ellipse: s-maj=154.9km s-min=23.4km az=65.0.
IDC V 30 04 41 26.5–1.7 0.46N 125.78E 0 3.9,3.7
¶16066065

IDC Error ellipse: s-maj=118.1km s-min=23.2km az=67.0.
IDC V 30 05 12 13.4–2.0 0.77N 125.49E 0 3.8,3.6
¶16066066

IDC Error ellipse: s-maj=209.2km s-min=25.2km az=64.0.
IDC V 30 15 50 06.3–2.1 1.61N 126.58E 0 3.3,3.1
¶16066084

IDC Error ellipse: s-maj=178.5km s-min=24.7km az=66.0.
ISC V 31 03 34 30.7–.35 1.73N–.03 125.98E–.03 107–2 5.2b 648 1-168
MOS V 31 03 34 21.4–1.0 1.88N 125.83E 35 5.5b ¶12870892
BJI V 31 03 34 25.9 1.31N 126.04E 119 5.1b,4.9b
ISCJB V 31 03 34 28.5–.28 1.81N–.02 126.02E–.02 106–2 5.2b,4.9b
GCMT V 31 03 34 28.6–.30 1.78N 125.97E 81–3 4.8W,4.9b
NEIC V 31 03 34 28.9–.98 1.79N 125.91E 91–8 5.1b,4.9b
IDC V 31 03 34 29.6–1.3 1.74N 125.94E 97–11 4.8,4.8
DJA V 31 03 34 31.1–.20 2N–2.0 126E–1.0 96–3 5.6,5.5b
TEH V 31 03 34 32.0 1.71N 125.89E 124 5.1L,5.5b
ISC Event type fe.
MOS Error ellipse: s-maj=10.5km s-min=5.0km az=117.4.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.2km az=144.4.
GCMT Event type se. Data Used: II IC IU G. Moment Tensor Solution. s31,c33; s62,c81;
Moment tensor: Scale 10^{16}Nm; M_{rr}1.68±.11 $M_{\theta\theta}$-1.41±.13; $M_{\phi\phi}$-0.27±.16; $M_{r\theta}$0.53±.07;
$M_{\theta\phi}$-0.87±.13; $M_{\phi r}$1.16±.08; Best double couple: NP1:ϕ_s261.00000°,δ33.00000°,λ124.00000°.
NP2:ϕ_s42.00000°,δ63.00000°,λ70.00000°. Principal axes: T 2.2200,Plg66.0000°
,Azm275.0000°; N -0.0600,Plg18.0000°,Azm51.0000°; P -2.1700,Plg16.0000°
,Azm146.0000° M_o2.20000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=64.0. Felt [III] at Bitung and Manado, Indonesia.
IDC Error ellipse: s-maj=14.0km s-min=6.7km az=79.0.
ISC VI 01 05 31 06.2–.35 0.75N–.04 126.24E–.04 44 4.4b,3.8s 129 1-124
BJI VI 01 05 30 58.0 0.04N 126.43E 35 4.9b,4.7b ¶12870920
ISCJB VI 01 05 31 04.6–.26 0.75N–.03 126.22E–.03 44 4.5b,3.8s
DJA VI 01 05 31 06.4–.90 1N–3.0 126E–2.0 29–12 5.0b,4.9b
IDC VI 01 05 31 09.1–2.9 0.67N 126.08E 74–27 4.1,4.0
NEIC VI 01 05 31 09.8–1.6 0.69N 126.13E 81–15 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.3km az=172.3.
IDC Error ellipse: s-maj=21.3km s-min=9.0km az=76.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.3km az=64.0.
IDC VI 01 08 57 58.9–1.3 2.09N 127.68E 0 4.4,4.2
¶16066156

IDC Error ellipse: s-maj=92.2km s-min=16.9km az=68.0.
IDC VI 02 13 33 23.1–2.2 1.09N 126.31E 0 3.5,3.3
¶16066224

IDC Error ellipse: s-maj=185.7km s-min=27.3km az=65.0.
IDC VI 03 01 57 46.6–1.8 0.84N 126.02E 0 3.8b
¶16100876

IDC Error ellipse: s-maj=167.4km s-min=23.3km az=64.0.
IDC VI 05 01 31 05.5–1.9 2.75N 127.20E 0 3.7,3.5
¶16100970

IDC Error ellipse: s-maj=102.2km s-min=24.1km az=70.0.
IDC VI 06 12 32 33.8–1.6 2.94N 127.44E 0 4.0,3.8
¶16101012

IDC Error ellipse: s-maj=91.9km s-min=22.3km az=68.0.
IDC VI 06 22 32 46.4–1.8 2.68N 127.82E 0 3.7,3.5
¶16101034

IDC Error ellipse: s-maj=134.7km s-min=23.4km az=66.0.
IDC VI 09 04 54 55.8–1.9 1.71N 126.40E 0 4.1,3.9
¶16101133

IDC Error ellipse: s-maj=170.2km s-min=23.7km az=65.0.
IDC VI 10 02 23 57.5–1.5 0.19N 125.86E 0 3.7,3.6
¶16101169

IDC Error ellipse: s-maj=190.9km s-min=19.8km az=64.0.
IDC VI 11 00 57 32.2–2.0 1.36N 125.74E 0 4.2,4.0
¶16101193

IDC Error ellipse: s-maj=181.1km s-min=24.8km az=65.0.
IDC VI 11 09 17 18.6–1.5 0.65N 125.41E 0 3.5,3.4
¶16101201

IDC Error ellipse: s-maj=164.7km s-min=21.6km az=65.0.
ISC VI 11 10 18 34.9–1.0 0.77N–.08 125.93E–.04 74–14 3.4b 13 1-60
IDC VI 11 10 18 25.2–2.0 1.09N 126.23E 0 3.7,3.5 ¶13681158
ISCJB VI 11 10 18 34.1–.61 0.79N–.07 125.93E–.04 83–9 3.4b,3.5
DJA VI 11 10 18 34.1–.90 1N–4.0 126E–2.0 21–13 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
IDC VI 11 23 51 24.0–1.6 1.75N 125.36E 0 3.8,3.6
¶16101219

IDC Error ellipse: s-maj=121.7km s-min=24.9km az=67.0.
ISC VI 12 02 11 56.6–.46 0.78N–.05 126.16E–.05 61–3 4.5b 114 1-124
IDC VI 12 02 11 48.3–.55 0.82N 126.04E 0 4.4,4.3 ¶13046912
BJI VI 12 02 11 48.7 0.16N 126.64E 55 5.1b,4.9s
DJA VI 12 02 11 52.7–.40 1N–5.0 126E–2.0 10 5.1b,4.8b
ISCJB VI 12 02 11 54.7–.55 0.77N–.04 126.13E–.04 61–5 4.6b,4.8b
NEIC VI 12 02 11 56.1–1.2 0.79N 126.19E 59–11 4.5b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=12.2km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.9km az=44.5.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.2km az=58.0.
IDC VI 13 16 02 04.6–2.0 0.67N 125.76E 0 3.4,3.2
¶16101282

IDC Error ellipse: s-maj=175.5km s-min=26.4km az=65.0.
IDC VI 15 00 50 33.5–1.9 0.51N 126.56E 0 4.2,4.0
¶16101339

IDC Error ellipse: s-maj=170.1km s-min=23.9km az=65.0.
IDC VI 15 10 50 13.2–8.6 2.38N 127.26E 0 3.6,3.4
¶16101355

IDC Error ellipse: s-maj=164.7km s-min=133.8km az=80.0.
IDC VI 15 15 21 27.3–1.9 2.04N 126.20E 0 3.4,3.3
¶16101371

IDC Error ellipse: s-maj=116.9km s-min=23.4km az=68.0.
ISC VI 15 19 47 60.0–.75 2.64N–.09 127.3E–.20 49 3.5b 19 4-59
IDC VI 15 19 47 50.6–1.1 2.94N 127.85E 0 3.9,3.8 ¶15156130
AUST VI 15 19 47 57.4–2.7 3.60N 127.87E 124–0 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=85.3km s-min=17.7km az=71.0.
AUST Error ellipse: s-maj=3.5km s-min=1.8km az=359.0.
IDC VI 15 21 47 49.3–1.3 0.29N 126.09E 0 3.8,3.6
¶16101381

IDC Error ellipse: s-maj=135.8km s-min=21.0km az=68.0.
IDC VI 16 06 28 37.4–1.9 1.44N 126.70E 0 3.7,3.5
¶16101395

IDC Error ellipse: s-maj=119.7km s-min=23.8km az=69.0.
IDC VI 16 14 51 35.5–9.2 2.54N 127.12E 0 3.6,3.4
¶16101407

IDC Error ellipse: s-maj=152.0km s-min=110.6km az=136.0.
ISC VI 18 12 05 55.6–.46 1.43N–.05 126.40E–.05 47 4.3b 61 1-147
DJA VI 18 12 05 53.4–.50 2N–5.0 126E–2.0 10 4.9b,4.8b ¶13681597
ISCJB VI 18 12 05 54.4–.34 1.45N–.04 126.39E–.03 47 4.2b,3.6s
NEIC VI 18 12 05 57.7–1.4 1.31N 126.28E 69–13 4.3b,3.6s
IDC VI 18 12 05 58.5–3.6 1.30N 126.29E 75–34 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=0.6.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=5.4km az=68.0.
IDC Error ellipse: s-maj=29.4km s-min=12.3km az=79.0.
IDC VI 18 15 57 22.4–1.5 2.23N 127.95E 0 3.7,3.5
¶16101474

IDC Error ellipse: s-maj=99.1km s-min=18.8km az=71.0.
IDC VI 19 15 54 29.4–1.7 0.66N 125.82E 0 3.9,3.7
¶16101506

IDC Error ellipse: s-maj=159.8km s-min=23.1km az=64.0.
ISC VI 20 10 20 57.7–.75 0.60N–.06 125.32E–.05 35 3.7b 21 1-64
IDC VI 20 10 20 51.7–.90 0.53N 124.93E 0 4.0,3.9 ¶13681710
ISCJB VI 20 10 20 56.4–.56 0.59N–.06 125.32E–.04 35 3.9b,3.9
DJA VI 20 10 20 58.3–1.9 0N–9.0 125E–2.0 35–30 4.8b,4.6b
ISC Event type ke.
ISCJB Event type ke.
ISC VI 20 11 55 28.6–1.2 1.8N–.10 125.66E–.06 41 3.5b 11 1-59
IDC VI 20 11 55 23.2–1.8 1.68N 125.68E 0 3.8,3.6 ¶13681716
DJA VI 20 11 55 25.0–1.4 2N–11 126E–4.0 24–12 3.8,3.8
ISCJB VI 20 11 55 27.2–.95 1.6N–.10 125.73E–.05 41 3.4b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC VI 20 16 06 49.5–2.2 2.55N 127.77E 0 3.8s,3.8
¶16101540

IDC Error ellipse: s-maj=169.3km s-min=24.8km az=67.0.
IDC VI 21 16 53 43.1–2.1 1.60N 126.54E 0 3.5,3.3
¶16101581

IDC Error ellipse: s-maj=177.1km s-min=24.8km az=66.0.
IDC VI 21 17 59 43.6–2.1 0.77N 126.47E 0 3.5,3.3
¶16101586

IDC Error ellipse: s-maj=180.8km s-min=26.5km az=65.0.
IDC VI 22 16 52 51.6–2.0 2.69N 126.06E 0 3.5,3.3
¶16101615

IDC Error ellipse: s-maj=134.8km s-min=24.4km az=69.0.
IDC VI 22 22 49 46.0–1.9 1.77N 126.28E 0 3.5,3.4
¶16101625

IDC Error ellipse: s-maj=117.3km s-min=23.3km az=68.0.
IDC VI 23 17 44 27.4–1.9 2.66N 126.62E 0 3.8,3.7
¶16101658

IDC Error ellipse: s-maj=111.5km s-min=26.2km az=68.0.
IDC VI 24 11 15 02.4–2.0 0.56N 126.45E 0 3.4,3.3
¶16101692

IDC Error ellipse: s-maj=167.0km s-min=26.8km az=65.0.
IDC VI 25 15 54 44.7–1.7 2.85N 126.48E 0 3.8,3.6
¶16101720

IDC Error ellipse: s-maj=169.5km s-min=24.0km az=65.0.
IDC VI 26 13 21 53.9–1.7 1.43N 126.41E 0 3.7,3.5
¶16101748

IDC Error ellipse: s-maj=117.4km s-min=23.2km az=68.0.
IDC VI 26 16 26 23.7–1.7 0.57N 125.80E 0 3.8,3.6
¶16101752

IDC Error ellipse: s-maj=160.7km s-min=23.9km az=64.0.
ISC VI 26 19 17 16.3–.83 0.95N–.08 126.06E–.05 44 4.1b 16 1-59
IDC VI 26 19 17 09.9–.97 0.87N 125.81E 0 5.1,5.1s ¶13682083
ISCJB VI 26 19 17 15.6–.63 0.93N–.09 126.11E–.05 44 5.0s,4.0b
DJA VI 26 19 17 15.9–1.3 1N–6.0 126E–3.0 13–12 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VI 27 06 18 43.4–.99 0.42N–.07 126.71E–.06 35 4.1b 14 1-60
IDC VI 27 06 18 35.7–1.5 0.56N 127.11E 0 4.1,4.0 ¶13682118
ISCJB VI 27 06 18 43.7–.64 0.40N–.06 126.64E–.05 33 4.0b,4.0
DJA VI 27 06 18 44.9–.40 0N–4.0 127E–5.0 46–16 4.9b,4.8b
ISC Event type ke.
ISCJB Event type ke.
IDC VI 27 09 39 37.2–.82 2.80N 126.34E 0 3.9,3.8
¶16101778

IDC Error ellipse: s-maj=67.4km s-min=15.3km az=73.0.
IDC VI 27 13 42 40.2–2.0 1.44N 125.98E 0 3.6,3.5
¶16101786

IDC Error ellipse: s-maj=177.0km s-min=25.1km az=65.0.
IDC VI 28 00 32 45.1–1.6 1.75N 126.70E 0 3.9L,3.7
¶16101802

IDC Error ellipse: s-maj=115.2km s-min=20.0km az=69.0.
IDC VI 28 05 05 38.4–1.8 0.77N 126.97E 0 4.3,4.1
¶16101811

IDC Error ellipse: s-maj=154.8km s-min=23.8km az=65.0.
IDC VI 28 23 01 06.2–1.9 1.69N 125.94E 0 3.5,3.3
¶16101840

IDC Error ellipse: s-maj=168.5km s-min=24.5km az=65.0.
IDC VI 29 06 34 28.4–1.6 0.76N 126.40E 0 3.9,3.8b
¶16101851

IDC Error ellipse: s-maj=107.9km s-min=22.0km az=66.0.
IDC VI 29 10 46 10.8–2.0 0.98N 126.45E 0 3.5,3.3
¶16101855

IDC Error ellipse: s-maj=180.7km s-min=24.7km az=65.0.
IDC VI 29 11 02 59.5–1.4 0.43N 126.89E 0 3.5,3.4
¶16101856

IDC Error ellipse: s-maj=134.4km s-min=22.2km az=69.0.

(267) Halmahera.

IDC I 03 03 30 00.7–8.4 2.66N 128.60E 190–81 3.6,3.4b
DJA I 03 03 30 04 2.60N 128.19E 151 4.0,3.4b ¶12079872
IDC Error ellipse: s-maj=67.2km s-min=13.9km az=63.0.
IDC I 03 12 18 02.9–1.3 2.28N 128.47E 0 3.8s,3.8
¶12079900

IDC Error ellipse: s-maj=133.9km s-min=17.4km az=69.0.
ISC I 04 13 14 42.2–.86 2.17N–.06 128.57E–.09 77–8 4.6b 51 2-125
BJI I 04 13 14 37.8 2.20N 128.60E 43 5.0b,4.5b ¶12080199
ISCJB I 04 13 14 40.0–1.3 2.24N–.04 128.63E–.07 72–12 4.5b,4.5b
DJA I 04 13 14 40 2.12N 128.45E 30 4.9b,4.5b
IDC I 04 13 14 42.3–.78 2.19N 128.49E 80–6 4.2,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=6.7km az=167.4.
IDC Error ellipse: s-maj=25.2km s-min=9.7km az=75.0.
IDC I 04 23 48 57.0–2.3 1.19N 127.65E 0 3.5,3.3b
¶12080308

IDC Error ellipse: s-maj=217.5km s-min=22.1km az=67.0.
IDC I 06 12 42 01.6–2.1 1.10S 127.38E 0 3.4L,3.3
¶12080507

IDC Error ellipse: s-maj=147.3km s-min=27.9km az=66.0.
IDC I 06 15 35 05.7–2.4 1.88N 128.02E 0 3.5,3.4
¶12080521

IDC Error ellipse: s-maj=190.9km s-min=24.0km az=68.0.
ISC I 07 03 43 08.2–.29 1.82N–.03 127.37E–.04 102–2 5.3b 632 1-167
BJI I 07 03 43 00.2 1.17N 127.65E 91 5.4b,5.2b ¶11534044
MOS I 07 03 43 05.9–.94 1.84N 127.27E 90 5.3b,5.2b
ISCJB I 07 03 43 07.5–.39 1.84N–.02 127.38E–.03 107–3 5.2b,5.2b
NEIC I 07 03 43 07.7–.64 1.79N 127.32E 96–5 5.2b,5.2b
IDC I 07 03 43 08.5–1.0 1.72N 127.28E 104–8 4.8,4.8
DJA I 07 03 43 13 1.61N 127.16E 98 5.0W,4.8
ISC Event type se.
MOS Error ellipse: s-maj=11.5km s-min=5.6km az=110.2.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=166.1.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.1km az=72.0.
IDC Error ellipse: s-maj=13.1km s-min=6.3km az=76.0.

IDC I 07 18 16 35.1–1.5 0.69N 127.01E 0 4.1,3.9b
DJA I 07 18 16 43 0.47N 126.59E 23 3.7,3.9b ¶12080664
IDC Error ellipse: s-maj=159.7km s-min=18.6km az=66.0.
ISC I 09 17 43 52.6–.44 1.08S–.05 127.01E–.06 44–3 4.7b,3.6s 141 1-125
BJI I 09 17 43 47.0 1.53S 127.38E 45 5.1b,4.8s ¶11534459
ISCJB I 09 17 43 49.8–.67 1.03S–.04 127.12E–.04 37–6 4.7b,3.7s
DJA I 09 17 43 49 1.04S 127.00E 11 4.9b,3.7s
IDC I 09 17 43 50.2–3.0 1.08S 126.99E 28–21 4.3,4.2L
NEIC I 09 17 43 51.5–1.5 1.11S 127.05E 41–15 4.6b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.0km az=160.7.
IDC Error ellipse: s-maj=23.3km s-min=12.1km az=67.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.4km az=47.0.
ISC I 09 22 05 29.4–.82 1.20S–.10 127.0E–.20 34 3.9b 22 8-78
IDC I 09 22 05 24.4–.81 1.09S 127.08E 0 4.1,4.0 ¶12080895
DJA I 09 22 05 27 1.05S 126.90E 10 4.3,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=15.0km az=73.0.
IDC I 10 09 29 22.5–1.8 1.70N 127.05E 0 4.0,3.9
¶12080930
IDC Error ellipse: s-maj=157.6km s-min=21.9km az=65.0.
IDC I 15 18 19 28.1–1.5 1.12S 127.06E 0 4.2,4.1L
DJA I 15 18 19 33 1.20S 126.92E 14 4.2,4.1L ¶12081352
IDC Error ellipse: s-maj=38.5km s-min=23.9km az=58.0.
IDC I 18 16 48 26.6–.93 2.89N 128.75E 0 3.8,3.7b
DJA I 18 16 48 34 2.82N 128.47E 102 4.3,3.7b ¶12081659
IDC Error ellipse: s-maj=60.2km s-min=16.1km az=70.0.
ISC I 20 09 17 30.7–1.3 1.48N–.09 128.42E–.09 69 4.1b 15 1-65
IDC I 20 09 17 22.3–1.4 1.42N 128.10E 0 4.0,3.9b ¶12081855
ISCJB I 20 09 17 28.9–.91 1.52N–.07 128.44E–.06 69 3.8b,3.9b
DJA I 20 09 17 36.6–1.0 1N–7.0 128E–6.0 87–9 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC I 22 03 01 53.3–.27 0.56S–.03 127.37E–.04 128–2 5.4b 810 0-166
BJI I 22 03 01 45.3 1.14S 127.95E 120 5.3b,5.1b ¶11616361
ISCJB I 22 03 01 53.0–.25 0.48S–.02 127.47E–.02 135–2 5.3b,5.1b
MOS I 22 03 01 53.8–1.1 0.47S 127.37E 144 5.2b,5.1b
NEIC I 22 03 01 54.1–.75 0.52S 127.43E 132–7 5.2b,5.1b
DJA I 22 03 01 54.5–.20 1S–2.0 128E–2.0 124–2 5.8b,5.7
IDC I 22 03 01 54.2–.99 0.57S 127.33E 135–8 4.9,4.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=163.5.
MOS Error ellipse: s-maj=10.1km s-min=5.3km az=112.8.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.4km az=70.0. Felt [II] at Labuha.
IDC Error ellipse: s-maj=12.1km s-min=6.1km az=80.0.
ISC I 24 18 23 13.5–.73 2.40N–.07 128.8E–.10 35 4.2b 39 2-125
IDC I 24 18 23 08.4–.85 2.51N 128.69E 0 4.0,3.9b ¶12082240
ISCJB I 24 18 23 12.1–.57 2.47N–.05 128.75E–.07 35 4.1b,3.9b
DJA I 24 18 23 13 2.38N 128.47E 10 4.7b,3.9b
NEIC I 24 18 23 17.9–2.9 2.39N 128.56E 78–28 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=48.5km s-min=15.9km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=7.8km az=0.7.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=8.9km az=66.0.
IDC I 25 01 38 56.9–22 1.61N 127.37E 125–212 3.8L,3.7b
¶12082270
IDC Error ellipse: s-maj=123.5km s-min=32.8km az=56.0.
IDC I 26 13 10 46.2–2.1 0.51S 127.18E 0 3.5s,3.5
DJA I 26 13 11 03 0.77S 127.39E 78 3.1,3.5 ¶12082372
IDC Error ellipse: s-maj=171.4km s-min=25.7km az=66.0.
IDC I 27 15 49 41.8–2.0 0.33S 127.59E 0 3.8,3.6
¶12082494
IDC Error ellipse: s-maj=160.9km s-min=24.5km az=67.0.
ISC I 28 19 51 57.6–.36 2.39N–.04 128.60E–.05 210–2 4.8b 273 5-153
ISCJB I 28 19 51 57.4–.52 2.44N–.03 128.65E–.04 220–4 4.8b ¶11656181
NEIC I 28 19 51 57.5–.21 2.45N 128.61E 208 4.9b
BJI I 28 19 51 57.2 2.57N 128.65E 205 4.7b,4.6b
IDC I 28 19 51 59.6–1.0 2.44N 128.59E 229–9 4.5,4.5
DJA I 28 19 52 02 2.40N 128.43E 213 5.3b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=168.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.5km az=69.0.
IDC Error ellipse: s-maj=12.1km s-min=6.8km az=80.0.
IDC I 29 17 21 08.2–1.9 1.71N 127.20E 0 3.5,3.4
¶12082681
IDC Error ellipse: s-maj=168.7km s-min=23.3km az=65.0.
IDC I 29 22 47 06.3–.83 1.94N 127.33E 0 4.4L,4.4
¶12082697
IDC Error ellipse: s-maj=56.6km s-min=14.7km az=73.0.
IDC I 31 02 07 30.5–2.0 0.66S 128.19E 0 3.7,3.6
DJA I 31 02 07 53 2.60S 127.17E 30 3.2,3.6 ¶12082781
IDC Error ellipse: s-maj=155.9km s-min=24.3km az=67.0.
IDC I 31 17 47 37.6–1.9 1.60N 127.06E 0 3.5,3.3b
DJA I 31 17 47 43 0.03N 126.31E 54 3.4,3.3b ¶12082845
IDC Error ellipse: s-maj=180.3km s-min=21.1km az=67.0.
IDC II 01 04 19 47.9–3.0 1.01N 127.24E 0 3.4,3.2
¶15954810
IDC Error ellipse: s-maj=298.3km s-min=26.3km az=66.0.
IDC II 02 08 16 39.9–1.7 1.09S 127.74E 0 4.0,3.9
DJA II 02 08 16 41 0.61S 127.50E 27 4.0,3.9 ¶12699389
IDC Error ellipse: s-maj=50.8km s-min=24.2km az=63.0.
ISC II 05 08 10 19.5–1.1 1.8N–.10 127.4E–.20 112 4.5b 19 10-124
IDC II 05 08 10 15.3–8.4 1.98N 127.67E 75–74 4.8L,4.3 ¶12699584
ISCJB II 05 08 10 17.5–.82 1.9N–.10 127.4E–.20 112 4.4b,4.3
NEIC II 05 08 10 18.3–4.7 1.86N 127.48E 102–40 4.6b,4.3
DJA II 05 08 10 32 0.99N 126.61E 15 4.3,4.3
ISC Event type se.
IDC Error ellipse: s-maj=81.4km s-min=16.7km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=12.3km az=160.5.
NEIC Event type se. Error ellipse: s-maj=49.3km s-min=10.5km az=58.0.
IDC II 06 05 08 25.6–8.1 2.69N 128.76E 214–85 3.7,3.5
¶15955127
IDC Error ellipse: s-maj=42.9km s-min=13.9km az=67.0.
IDC II 06 09 26 25.0–2.0 0.40S 127.50E 0 3.7,3.5
¶15955138
IDC Error ellipse: s-maj=155.4km s-min=25.1km az=67.0.
IDC II 07 16 28 05.5–1.9 2.04N 128.26E 0 3.7,3.6
DJA II 07 16 28 10 2.58N 128.17E 106 3.9,3.6 ¶12699738
IDC Error ellipse: s-maj=129.3km s-min=23.7km az=66.0.
IDC II 09 02 37 32.0–2.4 0.82N 129.11E 0 3.7,3.6
¶15955285
IDC Error ellipse: s-maj=155.3km s-min=27.4km az=68.0.
ISC II 09 19 41 12.4–.31 1.73N–.03 127.18E–.04 117–2 5.0b 435 1-165
MOS II 09 19 41 03.3–.95 1.81N 127.11E 48 5.3b ¶13434423
BJI II 09 19 41 07.5 1.39N 127.47E 116 5.1b,5.1b
ISCJB II 09 19 41 11.7–.38 1.78N–.02 127.26E–.03 127–3 5.0b,5.1b
NEIC II 09 19 41 11.6–.84 1.76N 127.23E 112–8 5.1b,5.1b
IDC II 09 19 41 12.1–1.0 1.74N 127.22E 114–8 4.6,4.6
DJA II 09 19 41 14 1.76N 127.14E 106 5.3b,4.6
ISC Event type fe.
MOS Error ellipse: s-maj=12.6km s-min=5.9km az=109.2.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.3km az=166.4.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.0km az=72.0. Felt on Ternate.
IDC Error ellipse: s-maj=13.1km s-min=6.7km az=79.0.
ISC II 12 10 55 14.7–.40 0.79S–.05 127.67E–.06 31 4.5b 74 0-125
IDC II 12 10 55 09.6–.68 0.75S 127.70E 0 4.3,4.3 ¶12700241
ISCJB II 12 10 55 12.8–.28 0.82S–.05 127.66E–.05 31 4.5b,4.3
DJA II 12 10 55 14 0.65S 127.73E 10 4.6,4.3
NEIC II 12 10 55 14.9–.25 0.81S 127.67E 35 4.4b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=14.8km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.0km az=141.5.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.7km az=62.0.
ISC II 12 18 16 18.8–.50 0.77S–.07 127.81E–.08 19 4.2b 61 9-125
IDC II 12 18 16 15.8–.67 0.73S 127.81E 0 4.1,4.1 ¶12700343
ISCJB II 12 18 16 17.3–.41 0.76S–.05 127.75E–.07 19 4.2b,4.1
DJA II 12 18 16 19 0.80S 127.62E 133 4.1,4.1
NEIC II 12 18 16 20.7–4.7 0.77S 127.79E 32–34 4.9b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=15.0km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=7.1km az=177.1.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.8km az=61.0.
IDC II 13 23 49 13.4–1.8 1.30S 127.70E 0 3.6,3.6L
¶15956015
IDC Error ellipse: s-maj=53.4km s-min=27.2km az=64.0.
IDC II 14 21 14 34.9–2.2 2.75N 128.28E 0 3.4,3.3
¶15956087
IDC Error ellipse: s-maj=140.1km s-min=26.7km az=68.0.
ISC II 15 05 12 34.6–1.0 1.3N–.10 127.4E–.10 72 4.0b 12 1-64
IDC II 15 05 12 26.3–1.1 1.45N 127.22E 0 4.1,3.9 ¶12700758
ISCJB II 15 05 12 33.0–.80 1.39N–.08 127.30E–.08 72 3.9b,3.9
DJA II 15 05 12 32.6–1.5 1N–13 127E–8.0 25–9 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC II 15 13 16 02.8–1.9 2.71N 128.07E 0 3.6,3.4
¶15956157
IDC Error ellipse: s-maj=133.9km s-min=24.5km az=66.0.
ISC II 16 06 50 56.8–.39 1.27S–.03 127.75E–.05 33–2 4.9b,3.7s 208 1-152
IDC II 16 06 50 51.5–.47 1.21S 127.65E 0 4.8L,4.7 ¶11678034
BJI II 16 06 50 54.2 1.78S 127.44E 40 5.1b,4.9b
ISCJB II 16 06 50 55.6–.51 1.24S–.03 127.76E–.03 39–5 4.8b,3.9s
DJA II 16 06 50 55 1.23S 127.80E 10 5.2b,3.9s
NEIC II 16 06 50 56.7–.29 1.26S 127.73E 35 4.9b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=11.5km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.2km az=149.7.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.1km az=59.0.
ISC II 16 15 19 20.5–1.5 1.88S–.09 129.96E–.08 10 7 2-32
ISCJB II 16 15 19 20.7–1.2 1.87S–.07 129.89E–.08 10 3.7b ¶15821862
DJA II 16 15 19 20.5–.60 2S–4.0 130E–5.0 10 3.5,3.5
IDC II 16 15 19 22.2–12 0.87S 133.41E 0 3.7,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=7.7km az=38.3.
IDC Error ellipse: s-maj=192.2km s-min=115.7km az=155.0.
ISC II 17 07 01 51.4–.36 2.27N–.03 128.39E–.05 86–2 5.1b 513 2-159
BJI II 17 07 01 43.7 1.79N 128.75E 69 5.3b,5.2b ¶11678710
MOS II 17 07 01 44.6–1.0 2.43N 128.17E 33 5.5b,5.2b
ISCJB II 17 07 01 49.5–.21 2.37N–.03 128.43E–.03 78 5.1b,5.2b
TEH II 17 07 01 52.0 2.33N 128.31E 84 5.2L,5.2b
NEIC II 17 07 01 54.9–.85 2.30N 128.22E 114–7 5.0b,5.2b
IDC II 17 07 01 55.4–1.2 2.28N 128.16E 117–10 4.6,4.6
DJA II 17 07 01 56 2.37N 128.20E 98 5.1W,4.6
ISC Event type se.
MOS Error ellipse: s-maj=12.7km s-min=5.8km az=114.1.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.6km az=13.2.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.0km az=76.0.
IDC Error ellipse: s-maj=14.9km s-min=7.3km az=77.0.
IDC II 17 09 26 40.2–2.0 1.06S 128.25E 0 4.2,4.2s
¶15956399
IDC Error ellipse: s-maj=129.3km s-min=26.9km az=67.0.
IDC II 18 12 07 59.5–2.2 0.29N 127.48E 0 3.4,3.3
¶15956555
IDC Error ellipse: s-maj=165.7km s-min=28.5km az=66.0.
IDC II 19 05 25 48.3–1.3 0.01S 128.73E 0 3.7,3.6
¶15956690
IDC Error ellipse: s-maj=115.9km s-min=19.8km az=70.0.
IDC II 19 11 37 38.0–5.3 2.56N 128.60E 208–55 3.6,3.5
¶15956705
IDC Error ellipse: s-maj=25.2km s-min=11.8km az=71.0.
ISC II 20 11 33 44.1–.74 1.8N–.10 128.7E–.20 92 3.8b 22 11-86
IDC II 20 11 33 33.3–.72 1.89N 128.67E 0 3.9,3.9 ¶15956814
ISCJB II 20 11 33 42.2–.55 1.84N–.08 128.8E–.10 92 3.8b,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC II 22 03 23 01.4–1.7 1.51N 127.10E 0 3.9,3.7b
¶15956912
IDC Error ellipse: s-maj=167.5km s-min=19.7km az=66.0.
ISC II 22 13 02 33.9–.63 1.24N–.08 127.28E–.05 10 4.2b,2.7s 25 0-123
IDC II 22 13 02 33.0–.65 1.33N 127.22E 0 4.2,4.1 ¶12701523
DJA II 22 13 02 44 1.29N 126.84E 10 4.5,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=36.3km s-min=11.3km az=71.0.
ISC II 22 18 26 47.2–.83 1.04S–.05 127.42E–.06 31 13 0-62
IDC II 22 18 26 42.6–2.7 0.61S 128.42E 0 3.7,3.5 ¶12701550
DJA II 22 18 26 46.9–.40 1S–2.0 127E–3.0 10 4.3b,3.7
ISCJB II 22 18 26 48.3–.84 1.01S–.06 127.35E–.06 31 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC II 23 03 31 10.2–2.2 1.42N 127.16E 0 3.7,3.5
¶15957023
IDC Error ellipse: s-maj=189.3km s-min=24.5km az=66.0.
IDC II 23 14 39 00.3–2.0 1.75S 127.85E 0 3.6,3.4
¶15957064
IDC Error ellipse: s-maj=148.2km s-min=25.9km az=67.0.
ISC II 24 15 21 11.8–.64 1.84N–.07 127.24E–.07 112 4.2b 31 1-87
ISCJB II 24 15 21 10.2–.46 1.87N–.05 127.29E–.06 112 4.0b ¶12701759
IDC II 24 15 21 12.8–2.6 1.74N 127.25E 126–25 3.8,3.8
DJA II 24 15 21 17 1.50N 126.80E 10 4.6,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.6km az=31.9.
IDC Error ellipse: s-maj=27.3km s-min=11.3km az=79.0.
IDC II 26 12 44 50.5–2.3 1.32S 128.08E 0 3.2,3.1
¶15957356
IDC Error ellipse: s-maj=167.4km s-min=27.4km az=67.0.
IDC II 27 17 28 47.8–10 2.46N 128.50E 182–115 3.5,3.4
¶15957466
IDC Error ellipse: s-maj=45.9km s-min=15.2km az=67.0.
IDC II 28 18 22 52.0–2.1 0.84S 127.46E 0 3.3,3.1
¶15957541
IDC Error ellipse: s-maj=174.7km s-min=25.7km az=67.0.
IDC III 01 13 48 29.6–1.7 1.44N 127.04E 0 3.9,3.7b
¶12702193
IDC Error ellipse: s-maj=100.5km s-min=22.5km az=68.0.
IDC III 02 10 52 12.0–2.0 1.67N 127.23E 0 3.3,3.2
¶12702257
IDC Error ellipse: s-maj=155.5km s-min=25.0km az=66.0.
IDC III 02 17 39 59.9–1.9 1.58N 127.24E 0 4.1,3.9b
¶12702284
IDC Error ellipse: s-maj=160.9km s-min=22.7km az=65.0.
ISC III 05 07 49 18.4–.77 2.71N–.09 129.1E–.10 35 4.2b 26 4-125
IDC III 05 07 49 13.4–.76 2.75N 128.92E 0 4.3,4.1b ¶12702482
ISCJB III 05 07 49 16.9–.58 2.68N–.06 128.92E–.09 35 4.1b,4.1b
DJA III 05 07 49 20.7–1.9 3N–9.0 129E–13 79–16 4.9,4.9b
ISC Event type ke.
ISCJB Event type ke.
ISC III 05 22 10 51.9–.81 1.7N–.10 128.9E–.20 35 3.8b 23 6-86
ISCJB III 05 22 10 50.2–.59 1.70N–.09 129.0E–.10 35 3.8b ¶12702523
IDC III 05 22 10 59.7–8.3 1.61N 128.84E 113–82 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.2km s-min=10.9km az=154.1.
IDC Error ellipse: s-maj=29.2km s-min=17.4km az=73.0.
ISC III 08 10 51 14.4–.60 2.66N–.08 128.5E–.10 200 3.9b 35 9-93

ISCJB III 08 10 51 12.8–.38 2.73N–.05 128.62E–.09 200 3.8b ¶15153103
AUST III 08 10 51 13.8 2.50N 128.50E 200 3.8b
IDC III 08 10 51 17.8–2.5 2.67N 128.60E 237–25 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.5km az=164.4.
IDC Error ellipse: s-maj=21.5km s-min=8.6km az=81.0.
IDC III 10 02 17 49.8–2.2 0.08N 127.57E 0 3.6,3.4
¶12702836
IDC Error ellipse: s-maj=166.6km s-min=28.6km az=66.0.
IDC III 10 14 17 05.7–9.7 1.91N 127.31E 263–92 3.4,3.2b
¶12702876
IDC Error ellipse: s-maj=156.0km s-min=24.4km az=63.0.
IDC III 12 13 05 53.4–2.1 0.68S 127.82E 0 3.9s,3.9
¶12703078
IDC Error ellipse: s-maj=160.0km s-min=25.3km az=67.0.
IDC III 13 11 06 07.1–1.9 1.76N 127.55E 0 3.7,3.5L
¶12703161
IDC Error ellipse: s-maj=93.7km s-min=26.3km az=68.0.
ISC III 14 12 15 04.1–.99 0.26N–.08 127.22E–.08 162 4.2b 22 1-61
IDC III 14 12 15 01.6–5.5 0.27N 127.46E 110–58 4.0,3.9b ¶12703253
ISCJB III 14 12 15 03.7–.63 0.19N–.07 127.16E–.06 162 4.0b,3.9b
DJA III 14 12 15 04.0–1.9 0N–12 127E–12 101–21 5.0b,4.6b
AUST III 14 12 15 27.7 2.00S 127.00E 200 5.0b,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=42.4km s-min=16.6km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=8.5km az=7.8.
IDC III 14 12 55 27.6–2.2 2.66N 128.25E 0 3.8,3.6b
¶12703257
IDC Error ellipse: s-maj=192.9km s-min=20.5km az=69.0.
IDC III 16 04 14 51.4–2.5 2.19N 128.00E 0 4.0,3.8
¶12703394
IDC Error ellipse: s-maj=192.2km s-min=26.5km az=67.0.
IDC III 19 01 44 50.5–1.7 0.08S 129.90E 0 3.7,3.6
¶12703631
IDC Error ellipse: s-maj=114.0km s-min=20.0km az=76.0.
IDC III 20 03 06 20.9–1.8 1.13S 127.45E 0 3.6L,3.5
¶12703768
IDC Error ellipse: s-maj=53.3km s-min=27.0km az=65.0.
ISC III 20 10 48 59.8–1.5 0.58S–.06 127.51E–.08 45–15 4.7b 34 0-89
IDC III 20 10 48 53.6–.81 0.57S 127.63E 0 4.1,4.0 ¶12703804
DJA III 20 10 48 57.3–.50 1S–3.0 127E–4.0 10 5.2b,4.6b
ISCJB III 20 10 48 58.2–.75 0.57S–.04 127.48E–.05 41–8 3.9b,4.6b
ISC Event type ke.
ISCJB Event type ke.
ISC III 20 12 00 47.6–1.1 0.65S–.08 127.53E–.09 12–5 20 0-62
IDC III 20 12 00 44.6–1.6 0.49S 127.80E 0 3.9L,3.8 ¶12703809
DJA III 20 12 00 48.3–.40 1S–3.0 127E–4.0 8–4 4.3b,3.9
NEIC III 20 12 00 49.9–1.2 0.57S 127.70E 35 3.4b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=54.7km s-min=24.4km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=23.8km s-min=15.6km az=46.0. Felt [III] at Labuha.
IDC III 21 16 21 11.0–1.4 1.73N 127.49E 0 3.8,3.7b
¶12635198
IDC Error ellipse: s-maj=102.5km s-min=18.1km az=69.0.
IDC III 22 04 09 51.0–19 0.95N 127.55E 202–190 3.8L,3.3
¶12635255
IDC Error ellipse: s-maj=118.8km s-min=24.9km az=54.0.
IDC III 22 21 59 39.2–3.7 2.41N 128.50E 214–37 4.2s,4.2
¶12635330
IDC Error ellipse: s-maj=26.9km s-min=11.3km az=74.0.
IDC III 24 12 30 53.9–1.4 2.64N 128.52E 0 3.9,3.8
¶12635468
IDC Error ellipse: s-maj=145.0km s-min=18.5km az=70.0.
ISC III 26 00 57 13.0–3.0 2.6N–.30 128.6E–.20 200 3.9b 15 2-62
DJA III 26 00 57 17.1–1.3 2N–15 128E–8.0 228–6 4.6b,4.5 ¶12635599
IDC III 26 00 57 18.5–5.7 2.46N 128.59E 282–62 3.5,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=40.9km s-min=12.0km az=65.0.
IDC III 26 19 22 33.0–16 1.04S 128.25E 0 3.6,3.5
¶12635649
IDC Error ellipse: s-maj=256.4km s-min=102.9km az=147.0.
IDC III 29 07 32 27.0–2.1 1.48N 127.06E 0 3.6,3.4
¶12635846
IDC Error ellipse: s-maj=169.9km s-min=24.7km az=66.0.
IDC III 29 13 08 41.6–17 1.12N 129.18E 0 3.6,3.4
¶12635862
IDC Error ellipse: s-maj=263.6km s-min=127.9km az=163.0.
DJA III 30 00 19 29.0–1.9 2S–3.0 129E–3.0 19–24 3.3,3.3
¶16447102
IDC III 31 14 33 55.7–9.6 1.67N 127.91E 153–92 3.1,3.0b
¶12636035
IDC Error ellipse: s-maj=75.4km s-min=15.6km az=62.0.
IDC III 31 21 59 48.5–1.3 1.88S 129.16E 0 3.6,3.5L
¶12636054
IDC Error ellipse: s-maj=73.0km s-min=22.7km az=78.0.
IDC IV 01 23 46 25.2–2.4 0.42N 129.86E 0 3.8,3.6
¶16152247
IDC Error ellipse: s-maj=127.7km s-min=25.5km az=73.0.
IDC IV 02 21 20 36.0–2.3 1.40N 128.23E 0 3.5,3.3
¶16152286
IDC Error ellipse: s-maj=159.1km s-min=27.2km az=67.0.
IDC IV 02 22 16 09.2–1.9 0.77N 128.35E 0 3.6,3.5
¶16152288
IDC Error ellipse: s-maj=194.5km s-min=27.9km az=70.0.
IDC IV 03 05 07 24.4–2.0 1.37N 127.13E 0 4.0L,3.9
¶16152303
IDC Error ellipse: s-maj=109.4km s-min=25.7km az=70.0.
ISC IV 03 09 46 18.7–2.8 1.2N–.20 128.7E–.10 22 3.6b 7 1-61
IDC IV 03 09 46 07.2–2.1 1.71N 127.55E 0 3.6,3.5L ¶12934404
DJA IV 03 09 46 24.4–2.1 1N–17 128E–75 115–40 3.2,3.2
ISC Event type ke.
IDC IV 03 21 34 40.5–1.7 2.61N 128.96E 0 3.8,3.6
¶16152329
IDC Error ellipse: s-maj=131.8km s-min=21.5km az=71.0.
ISC IV 03 21 58 24.7–1.0 1.61N–.08 127.19E–.06 103 4.4b 38 1-124
AUST IV 03 21 58 14.0 2.50N 127.00E 100 4.4b ¶15153527
ISCJB IV 03 21 58 23.4–.85 1.65N–.07 127.24E–.04 103 4.4b
IDC IV 03 21 58 26.6–7.8 1.52N 127.20E 135–71 4.2,4.1
DJA IV 03 21 58 29.3–.60 1N–4.0 127E–3.0 104–5 5.1b,4.7b
ISC Event type ke.
ISCJB Event type ke.
IDC IV 06 09 01 18.5–2.0 1.40N 128.24E 0 3.5,3.3
¶16152446
IDC Error ellipse: s-maj=128.7km s-min=24.5km az=71.0.
IDC IV 07 10 28 34.4–6.0 2.02N 128.32E 238–59 3.2,3.1
¶16152500
IDC Error ellipse: s-maj=71.5km s-min=13.6km az=69.0.
ISC IV 08 12 54 52.0–1.2 2.0N–.10 127.26E–.08 112 3.6b 15 1-59
ISCJB IV 08 12 54 49.7–1.2 2.16N–.10 127.34E–.07 112 3.6b ¶12934804
IDC IV 08 12 54 53.7–4.0 1.73N 127.05E 125–34 3.4,3.3b
DJA IV 08 12 54 54.4–1.7 2N–11 127E–5.0 136–11 3.7,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC IV 09 12 20 07.3–.76 1.60N–.08 128.7E–.10 61 3.6b 21 2-125
ISCJB IV 09 12 20 05.5–.65 1.64N–.07 128.57E–.07 61 3.7b ¶12934893
DJA IV 09 12 20 06.5–1.0 1N–11 129E–6.0 10 5.1b,4.5b
IDC IV 09 12 20 07.1–.96 1.67N 128.46E 56–9 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=10.0km az=28.0.
IDC Error ellipse: s-maj=37.8km s-min=12.8km az=75.0.
ISC IV 12 07 09 47.8–1.2 1.03N–.09 127.11E–.07 101–9 3.4b 20 0-60
ISCJB IV 12 07 09 46.9–.87 1.02N–.08 127.10E–.04 110–6 3.4b ¶12935114
DJA IV 12 07 09 50.0–1.0 1N–6.0 127E–5.0 69–10 4.0b,3.9
IDC IV 12 07 09 52.2–10 0.89N 126.89E 144–99 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=6.7km az=16.9.
IDC Error ellipse: s-maj=76.9km s-min=19.9km az=54.0.
IDC IV 13 09 08 02.0–2.2 1.37N 127.12E 0 3.5,3.3
¶16152747
IDC Error ellipse: s-maj=178.8km s-min=25.9km az=66.0.
ISC IV 17 12 22 50.0–.38 2.39N–.05 128.24E–.05 200 4.2b 126 2-125
IDC IV 17 12 22 47.4–.81 2.50N 128.44E 173–7 4.0,3.9 ¶15153777
ISCJB IV 17 12 22 48.7–.25 2.44N–.03 128.30E–.03 200 4.2b,3.9
AUST IV 17 12 22 49.1–.36 2.46N 128.30E 199–0 4.2b,3.9
NEIC IV 17 12 22 49.1–1.7 2.48N 128.38E 189–17 4.5b,3.9
DJA IV 17 12 22 50.4–.80 3N–10 128E–4.0 153–12 4.9,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IV 19 06 29 45.3–1.7 1.41S 128.13E 0 3.6,3.5
¶16153028
IDC Error ellipse: s-maj=111.9km s-min=21.1km az=71.0.
ISC IV 19 15 43 47.8–.63 2.96N–.06 128.33E–.09 35 3.7b 29 1-100
IDC IV 19 15 43 42.4–.61 3.00N 128.51E 0 4.2L,4.0 ¶12935650
ISCJB IV 19 15 43 45.9–.44 3.04N–.04 128.34E–.06 33 3.8b,4.0
DJA IV 19 15 43 50.0–1.1 3N–5.0 128E–5.0 13–9 5.1b,4.6b
ISC Event type ke.
ISCJB Event type ke.
IDC IV 20 01 11 54.1–2.2 1.12N 127.11E 0 3.8,3.6
¶16153105
IDC Error ellipse: s-maj=182.6km s-min=25.0km az=66.0.
IDC IV 20 02 46 04.2–1.7 1.54N 127.39E 0 4.3,4.1
¶16153108
IDC Error ellipse: s-maj=98.7km s-min=22.6km az=68.0.
IDC IV 20 09 58 33.2–1.7 1.94N 127.78E 0 3.6,3.4
¶16153127
IDC Error ellipse: s-maj=143.0km s-min=24.6km az=66.0.
ISC IV 22 07 37 31.6–1.2 1.41N–.08 128.1E–.10 150 4.0b 14 1-60
IDC IV 22 07 37 19.2–1.2 1.80N 127.47E 0 4.1,3.9 ¶12935968
ISCJB IV 22 07 37 29.9–.94 1.46N–.08 128.1E–.10 150 3.8b,3.9
DJA IV 22 07 37 31.7–.70 1N–5.0 128E–6.0 129–5 5.6b,5.1
ISC Event type ke.
ISCJB Event type ke.
IDC IV 22 17 21 58.6–2.5 2.16N 128.44E 0 3.6,3.5
¶16153269
IDC Error ellipse: s-maj=207.4km s-min=25.6km az=67.0.
IDC IV 22 19 09 03.1–2.2 1.28N 127.06E 0 3.5,3.4
¶16153271
IDC Error ellipse: s-maj=175.3km s-min=26.1km az=66.0.
IDC IV 23 09 28 14.7–10 2.42N 128.48E 141–97 3.5,3.5
¶16153297
IDC Error ellipse: s-maj=85.0km s-min=16.7km az=59.0.
ISC IV 25 03 31 04.6–.87 2.40N–.06 128.46E–.07 239–7 4.2b 83 2-125
NEIC IV 25 03 31 01.5–2.5 2.39N 128.43E 210–24 4.4b ¶12936187
ISCJB IV 25 03 31 03.7–.57 2.39N–.05 128.52E–.05 245–6 4.0b
IDC IV 25 03 31 03.1–2.0 2.38N 128.48E 226–18 3.9,3.8
DJA IV 25 03 31 05.9–.70 3N–8.0 128E–4.0 205–7 4.4,4.4b
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC IV 25 10 02 13.1–.83 1.73N–.06 127.42E–.06 112–7 4.3b 44 0-124
ISCJB IV 25 10 02 12.0–.51 1.80N–.05 127.41E–.04 121–4 4.2b ¶15153949
DJA IV 25 10 02 14.3–.60 2N–4.0 127E–3.0 83–6 5.4b,5.0b
IDC IV 25 10 02 15.1–3.4 1.62N 127.27E 130–29 3.8,3.7
AUST IV 25 10 02 25.7–2.7 0.70N 127.34E 166–0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.6km az=25.4.
IDC Error ellipse: s-maj=37.1km s-min=10.4km az=72.0.
AUST Error ellipse: s-maj=3.7km s-min=1.1km az=15.0.
IDC IV 25 13 28 36.3–1.6 2.55N 128.44E 0 3.8,3.7
¶16153380
IDC Error ellipse: s-maj=137.4km s-min=19.0km az=67.0.
ISC IV 25 18 41 08.6–.48 2.53N–.04 128.14E–.07 175–4 4.4b 142 2-147
IDC IV 25 18 41 05.4–2.4 2.59N 128.34E 146–22 4.1,4.1 ¶15153944
NEIC IV 25 18 41 07.7–.25 2.57N 128.33E 171 4.4b,4.1
ISCJB IV 25 18 41 07.5–.61 2.55N–.04 128.17E–.05 184–6 4.3b,4.1
AUST IV 25 18 41 09.5–.60 2.46N 128.04E 193–0 4.3b,4.1
DJA IV 25 18 41 12.7–.60 2N–7.0 128E–3.0 125–9 5.2b,4.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 26 19 29 36.4–2.0 1.17N 127.98E 0 3.7,3.5
¶16154529
IDC Error ellipse: s-maj=144.5km s-min=25.1km az=67.0.
IDC IV 29 17 46 47.1–2.1 0.97S 127.55E 0 3.2,3.2b
¶16154636
IDC Error ellipse: s-maj=178.9km s-min=25.5km az=67.0.
IDC IV 30 12 11 23.9–1.9 1.69N 127.27E 0 3.9,3.7
¶16154666
IDC Error ellipse: s-maj=164.3km s-min=23.2km az=66.0.
IDC V 01 00 24 08.1–1.3 1.90N 127.27E 0 3.8,3.7
¶16154683
IDC Error ellipse: s-maj=95.8km s-min=19.2km az=71.0.
IDC V 02 20 21 55.8–1.7 0.46S 128.97E 0 3.3,3.2
¶16154846
IDC Error ellipse: s-maj=156.4km s-min=23.2km az=72.0.
IDC V 07 22 21 55.3–1.9 1.60N 128.24E 0 4.0,3.9b
¶16155496
IDC Error ellipse: s-maj=194.2km s-min=29.8km az=70.0.
IDC V 08 14 54 02.2–1.4 1.85N 127.08E 0 3.8,3.6
¶16155518
IDC Error ellipse: s-maj=102.6km s-min=19.3km az=73.0.
ISC V 09 05 45 58.1–.64 1.75N–.07 127.29E–.07 112 4.4b 39 1-124
ISCJB V 09 05 45 56.9–.55 1.77N–.06 127.37E–.05 112 4.3b ¶15154232
DJA V 09 05 45 58.8–1.3 2N–11 127E–6.0 92–17 4.8b,4.6b
IDC V 09 05 46 02.7–6.1 1.59N 127.09E 157–56 4.2,4.2b
AUST V 09 05 46 06.5–2.2 1.45N 126.98E 194–0 4.2,4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.7km az=8.2.
IDC Error ellipse: s-maj=47.1km s-min=13.8km az=60.0.
AUST Error ellipse: s-maj=2.4km s-min=1.4km az=31.0.
IDC V 10 10 25 18.8–2.2 2.54N 128.21E 0 3.4,3.3
¶16155585
IDC Error ellipse: s-maj=120.4km s-min=25.5km az=71.0.
IDC V 10 10 54 08.1–1.6 2.62N 128.99E 0 4.0,3.9
¶16155586
IDC Error ellipse: s-maj=88.1km s-min=20.9km az=70.0.
IDC V 12 13 32 04.9–2.6 2.42N 128.71E 0 3.4,3.3b
¶16155675
IDC Error ellipse: s-maj=215.3km s-min=21.9km az=69.0.
IDC V 12 13 56 52.0–1.7 2.10N 128.04E 0 3.9,3.7
¶16155677
IDC Error ellipse: s-maj=125.5km s-min=21.8km az=66.0.
IDC V 12 14 00 48.8–2.1 2.20N 128.21E 0 3.4,3.3
¶16155678
IDC Error ellipse: s-maj=147.5km s-min=25.6km az=68.0.
ISC V 12 14 13 18.1–1.1 2.4N–.10 128.92E–.09 35 3.5b 9 1-60
IDC V 12 14 13 14.0–1.7 2.30N 128.35E 0 3.7,3.6 ¶13678820
DJA V 12 14 13 15.0–2.5 2N–25 129E–4.0 10 3.7,3.7
ISCJB V 12 14 13 16.0–.99 2.47N–.10 128.98E–.08 33 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.

IDC V 12 19 18 31.8–1.6 2.20N 128.26E 0 3.4,3.2 ¶16155684

IDC Error ellipse: s-maj=130.2km s-min=22.4km az=70.0.
IDC V 12 23 21 15.2–.95 2.39N 128.69E 0 4.0,4.0 ¶16155691

IDC Error ellipse: s-maj=93.7km s-min=16.0km az=73.0.
ISC V 13 01 43 49.3–.71 2.4N–.10 128.9E–.20 35 4.1b 25 21-125
IDC V 13 01 43 44.6–.91 2.40N 128.74E 0 4.0,3.9 ¶13678850
ISCJB V 13 01 43 47.4–.51 2.40N–.09 128.9E–.20 35 4.0b,3.9
NEIC V 13 01 43 49.0–7.3 2.40N 128.89E 32–54 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=16.4km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=9.8km az=159.6.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=10.0km az=77.0.
IDC V 13 09 13 54.4–1.8 2.24N 128.45E 0 3.8,3.7 ¶16155708

IDC Error ellipse: s-maj=128.0km s-min=22.5km az=67.0.
IDC V 13 14 34 11.5–1.6 2.17N 128.21E 0 3.7,3.6b ¶16155714

IDC Error ellipse: s-maj=154.6km s-min=19.6km az=69.0.
ISC V 14 18 26 06.3–1.1 1.8N–.10 127.10E–.07 100 4.2b 31 1-59
AUST V 14 18 25 57.9–4.0 2.92N 127.09E 144–0 4.2b ¶15154318
IDC V 14 18 26 05.5–7.8 1.70N 127.18E 98–72 4.1L,3.9
DJA V 14 18 26 08.1–.70 2N–7.0 127E–4.0 80–7 5.0b,4.6b
ISC Event type ke.
IDC V 15 23 05 09.1–1.7 1.67N 127.42E 0 3.8,3.7 ¶16155783

IDC Error ellipse: s-maj=114.1km s-min=20.1km az=70.0.
IDC V 15 23 09 37.6–1.8 2.83N 128.37E 0 4.0,3.8 ¶16155784

IDC Error ellipse: s-maj=160.5km s-min=22.2km az=66.0.
IDC V 16 22 47 11.2–1.9 0.93N 127.07E 0 3.5,3.3 ¶16155824

IDC Error ellipse: s-maj=179.9km s-min=22.2km az=67.0.
IDC V 17 00 36 37.6–2.0 1.74N 127.44E 0 3.8,3.7 ¶16155825

IDC Error ellipse: s-maj=122.7km s-min=23.6km az=69.0.
ISC V 19 18 42 31.9–.50 3.00N–.05 128.51E–.06 46–4 4.2b 102 1-125
NEIC V 19 18 42 30.4–2.0 2.94N 128.45E 36–18 4.4b ¶15154408
ISCJB V 19 18 42 31.1–.67 3.03N–.04 128.48E–.04 55–7 4.2b
IDC V 19 18 42 31.9–.61 2.99N 128.45E 45–5 4.2L,4.0
DJA V 19 18 42 31.1–1.4 3N–13 128E–7.0 10 5.3b,5.2b
AUST V 19 18 42 33.6 3.00N 128.50E 60 5.3b,5.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=6.9km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=6.2km az=4.5.
IDC Error ellipse: s-maj=24.2km s-min=10.6km az=82.0.
IDC V 21 12 20 15.0–2.0 0.58S 127.77E 0 3.4,3.2 ¶16155989

IDC Error ellipse: s-maj=156.6km s-min=25.3km az=67.0.
ISC V 21 16 58 22.4–1.0 0.9S–.10 127.8E–.10 19 3.4b 8 4-62
IDC V 21 16 58 18.6–1.4 1.01S 127.80E 0 3.6,3.5 ¶15154451
AUST V 21 16 58 21.8–99 1.39S 127.23E 0–0 3.6,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=119.4km s-min=21.9km az=70.0.
AUST Error ellipse: s-maj=1.7km s-min=1.0km az=26.0.
IDC V 24 18 57 03.3–3.7 2.46N 128.14E 244–31 3.0,2.9 ¶16156115

IDC Error ellipse: s-maj=76.4km s-min=19.4km az=68.0.
ISC V 25 13 52 37.5–.65 2.31N–.07 128.40E–.09 250 3.9b 26 1-125
ISCJB V 25 13 52 36.0–.49 2.35N–.05 128.42E–.06 250 3.8b ¶13679626
IDC V 25 13 52 36.2–1.8 2.34N 128.65E 233–17 3.7,3.5
DJA V 25 13 52 36.6–.90 3N–9.0 128E–4.0 220–4 4.6b,4.4b
ISC Event type ke.
ISCJB Event type ke.
IDC V 25 16 24 20.2–1.8 1.91N 127.09E 0 3.8,3.8L ¶16156152

IDC Error ellipse: s-maj=103.5km s-min=24.0km az=68.0.
ISC V 26 12 08 33.2–.79 1.13N–.04 127.20E–.07 10 3.9b 19 0-81
ISCJB V 26 12 08 32.1–.55 1.11N–.04 127.19E–.06 10 3.8b,3.6s ¶13679679
IDC V 26 12 08 32.9–1.7 0.82N 126.89E 0 4.0,3.8
DJA V 26 12 08 33.0–.50 1N–2.0 127E–4.0 10 3.6,3.6
NEIC V 26 12 08 37.9–.76 0.86N 126.96E 35 3.7b,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.9km az=173.4.
IDC Error ellipse: s-maj=162.2km s-min=21.2km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=17.3km s-min=10.7km az=225.0. Felt [II] at Jailolo, Indonesia.
IDC V 27 22 46 10.0–2.1 1.28N 128.06E 0 3.7,3.5 ¶16156240

IDC Error ellipse: s-maj=138.5km s-min=26.6km az=67.0.
IDC V 28 02 35 30.5–14 1.83N 127.62E 146–138 3.6,3.6L ¶16156247

IDC Error ellipse: s-maj=120.3km s-min=19.4km az=58.0.
ISC V 28 18 48 43.6–.72 1.86N–.05 127.45E–.05 115–7 4.3b 73 0-81
AUST V 28 18 48 40.9 2.00N 127.50E 100 4.3b ¶15155554
ISCJB V 28 18 48 42.8–.40 1.88N–.04 127.43E–.04 123–3 4.4b
IDC V 28 18 48 45.0–3.0 1.86N 127.55E 136–29 4.2,4.1
DJA V 28 18 48 45.2–.30 2N–3.0 127E–3.0 101–3 4.5,4.5b
ISC Event type ke.
ISCJB Event type ke.
ISC V 29 01 25 32.7–1.3 0.3S–.10 127.7E–.10 10 3.9b 8 3-66
IDC V 29 01 25 31.4–1.7 0.20S 127.77E 0 3.9,3.8 ¶16156294
DJA V 29 01 26 05.8–.60 3S–4.0 128E–3.0 29–12 3.2,3.2
ISC Event type ke.
IDC V 29 09 11 05.1–2.0 1.05S 128.61E 0 3.9,3.8 ¶16156301

IDC Error ellipse: s-maj=181.0km s-min=20.5km az=69.0.
IDC V 29 13 37 30.4–1.7 1.61N 127.43E 0 3.6,3.4 ¶16156313

IDC Error ellipse: s-maj=101.7km s-min=22.7km az=68.0.
IDC V 30 19 42 26.1–2.2 2.29N 128.42E 0 3.5,3.3 ¶16066088

IDC Error ellipse: s-maj=144.4km s-min=25.6km az=68.0.
ISC V 31 07 30 12.5–.48 1.73N–.05 127.46E–.06 128 4.3b 60 0-147
NEIC V 31 07 30 03.7–.39 1.95N 127.66E 35 4.5b ¶13680025
ISCJB V 31 07 30 11.2–.35 1.80N–.04 127.47E–.05 128 4.3b
IDC V 31 07 30 11.8–2.5 1.83N 127.44E 114–23 4.1,4.0
DJA V 31 07 30 16.0–.80 2N–7.0 127E–5.0 51–11 4.5b,4.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 01 03 53 14.3–2.1 0.93N 127.37E 0 3.6,3.4 ¶16066145

IDC Error ellipse: s-maj=173.4km s-min=25.5km az=66.0.
IDC VI 01 06 46 27.9–1.3 0.73N 127.07E 0 4.0,3.8 ¶16066152

IDC Error ellipse: s-maj=129.5km s-min=19.1km az=69.0.
IDC VI 01 10 30 28.6–2.2 1.05N 127.68E 0 3.9,3.7 ¶16066157

IDC Error ellipse: s-maj=164.3km s-min=25.9km az=67.0.
IDC VI 01 10 31 09.2–2.1 0.89N 127.43E 0 3.8,3.6 ¶16066160

IDC Error ellipse: s-maj=164.2km s-min=25.0km az=66.0.
IDC VI 01 11 35 31.5–2.1 0.95N 127.46E 0 3.6,3.4 ¶16066162

IDC Error ellipse: s-maj=161.6km s-min=24.9km az=67.0.
IDC VI 01 11 36 25.1–1.9 1.40N 128.75E 0 3.7,3.5 ¶16066165

IDC Error ellipse: s-maj=131.6km s-min=23.9km az=67.0.
IDC VI 01 17 09 10.7–1.8 0.29S 129.39E 0 3.9,3.7 ¶16066173

IDC Error ellipse: s-maj=118.9km s-min=23.4km az=67.0.
IDC VI 01 18 33 52.7–1.7 2.89N 128.14E 0 3.8,3.7 ¶16066176

IDC Error ellipse: s-maj=93.7km s-min=23.3km az=68.0.
IDC VI 03 03 35 57.6–16 0.51N 127.78E 0 3.7,3.5 ¶16100882

IDC Error ellipse: s-maj=260.1km s-min=158.6km az=161.0.
IDC VI 04 14 38 00.5–2.1 0.88N 127.35E 0 3.6,3.3 ¶16100951

IDC Error ellipse: s-maj=172.9km s-min=25.3km az=66.0.
IDC VI 05 11 49 08.3–2.1 0.50S 127.55E 0 3.3,3.2 ¶16100983

IDC Error ellipse: s-maj=163.3km s-min=26.1km az=66.0.
ISC VI 08 04 49 14.2–.50 0.90N–.06 128.95E–.08 27 4.2b 60 1-145
AUST VI 08 04 49 08.9 1.00N 129.50E 0 4.2b ¶15155912
IDC VI 08 04 49 10.3–.59 0.95N 128.92E 0 4.2,4.1
ISCJB VI 08 04 49 12.2–.37 0.92N–.04 129.02E–.05 27 4.2b,4.1
DJA VI 08 04 49 12.7–.80 1N–7.0 129E–6.0 10 5.1b,5.1b
NEIC VI 08 04 49 15.4–.32 0.91N 128.93E 35 4.5b,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=12.4km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.0km az=166.9.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.2km az=84.0.
ISC VI 08 13 54 53.1–.45 2.27N–.05 128.28E–.07 150 4.1b 58 1-125
ISCJB VI 08 13 54 51.7–.32 2.32N–.04 128.45E–.05 150 4.1b ¶15155914
BJI VI 08 13 54 53.1 2.20N 128.20E 165 4.5b,4.1b
IDC VI 08 13 54 54.1–3.6 2.21N 128.29E 164–35 4.0,3.8
DJA VI 08 13 54 56.6–1.3 2N–13 128E–6.0 117–10 4.8b,4.7
AUST VI 08 13 54 59.1–.67 1.96N 128.30E 207–0 4.8b,4.7
MAN VI 08 13 55 33 4.68N 126.42E 104 4.6b,3.5s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=160.3.
IDC Error ellipse: s-maj=25.4km s-min=9.3km az=80.0.
AUST Error ellipse: s-maj=1.8km s-min=0.9km az=21.0.
IDC VI 09 03 02 02.4–11 1.87N 127.94E 144–113 3.4,3.2 ¶16101129

IDC Error ellipse: s-maj=157.8km s-min=29.3km az=68.0.
IDC VI 09 20 58 44.7–1.1 1.24N 127.24E 0 3.9,3.8 ¶16101161

IDC Error ellipse: s-maj=119.0km s-min=16.9km az=68.0.
IDC VI 10 11 50 43.2–2.5 1.81N 128.57E 0 3.7,3.4 ¶16101176

IDC Error ellipse: s-maj=138.4km s-min=24.6km az=90.0.
IDC VI 13 16 10 41.4–10 2.97N 128.49E 198–97 3.5,3.3 ¶16101283

IDC Error ellipse: s-maj=83.6km s-min=15.2km az=57.0.
IDC VI 14 00 18 13.7–1.9 0.72N 127.05E 0 4.1,4.0 ¶16101298

IDC Error ellipse: s-maj=153.6km s-min=24.8km az=65.0.
IDC VI 14 09 05 55.2–2.4 0.87N 128.49E 0 3.4,3.2 ¶16101311

IDC Error ellipse: s-maj=168.3km s-min=27.0km az=68.0.
IDC VI 15 08 02 13.3–2.1 1.25N 127.01E 0 3.6,3.5 ¶16101349

IDC Error ellipse: s-maj=179.4km s-min=24.5km az=66.0.
IDC VI 16 02 12 21.3–7.0 1.96N 128.25E 140–66 3.7,3.6 ¶16101390

IDC Error ellipse: s-maj=154.6km s-min=15.1km az=69.0.
ISC VI 16 13 06 23.4–.96 1.01N–.08 127.44E–.10 10 4.2b 13 0-70
IDC VI 16 13 06 21.8–1.4 0.99N 127.55E 0 4.3,4.1 ¶13681487
ISCJB VI 16 13 06 22.3–.74 0.97N–.07 127.52E–.08 10 4.1b,4.1
DJA VI 16 13 06 24.5–.50 1N–4.0 127E–6.0 10 4.5b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC VI 17 18 08 08.8–.51 2.36N–.05 128.33E–.06 200 4.1b 71 2-60
ISCJB VI 17 18 08 07.3–.33 2.43N–.03 128.43E–.04 200 4.0b ¶15156182
AUST VI 17 18 08 07.1–.73 2.45N 128.53E 198–0 4.0b
IDC VI 17 18 08 08.8–1.9 2.34N 128.43E 202–19 4.0,3.9
DJA VI 17 18 08 12.9–.50 2N–5.0 128E–3.0 160–7 5.1,5.1b
ISC Event type ke.
ISCJB Event type ke.
IDC VI 17 19 54 56.7–2.3 1.32N 127.10E 0 3.8,3.6b ¶16101445

IDC Error ellipse: s-maj=205.1km s-min=23.6km az=66.0.
IDC VI 19 15 37 14.9–1.8 2.62N 128.29E 0 4.0,3.8 ¶16101505

IDC Error ellipse: s-maj=126.9km s-min=23.0km az=66.0.
IDC VI 23 18 26 20.9–.85 2.57N 128.53E 0 3.8,3.7 ¶16101659

IDC Error ellipse: s-maj=59.9km s-min=15.5km az=76.0.
ISC VI 25 15 13 00.3–.33 1.76N–.03 127.26E–.04 116–2 4.6b 223 1-138
BJI VI 25 15 12 50.7 0.93N 127.73E 105 4.9b,4.8b ¶13256754
MOS VI 25 15 12 57.5–.91 1.76N 127.20E 106 4.7b,4.8b
NEIC VI 25 15 12 59.1–1.0 1.74N 127.27E 107–10 4.8b,4.8b
ISCJB VI 25 15 13 00.3–.32 1.75N–.03 127.27E–.03 132–3 4.5b,4.8b
IDC VI 25 15 13 01.0–2.0 1.67N 127.23E 125–18 4.2,4.1
DJA VI 25 15 13 03.5–.30 2N–4.0 127E–2.0 104–3 5.0b,4.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 26 05 51 12.8–2.0 2.71N 128.55E 0 3.6,3.5 ¶16101736

IDC Error ellipse: s-maj=149.5km s-min=22.7km az=69.0.
IDC VI 28 01 41 24.9–1.7 1.09N 128.01E 0 3.6,3.4 ¶16101804

IDC Error ellipse: s-maj=142.3km s-min=26.6km az=74.0.
IDC VI 28 05 22 38.6–2.0 0.93N 127.28E 0 3.7,3.5 ¶16101812

IDC Error ellipse: s-maj=164.2km s-min=24.7km az=66.0.
DJA VI 30 11 22 32.6–.70 2N–8.0 128E–3.0 10 3.7,3.7
IDC VI 30 11 22 30.9–1.8 1.53N 126.61E 0 3.7,3.6 ¶13682309
IDC Error ellipse: s-maj=180.1km s-min=21.7km az=66.0.

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ISC I 02 02 52 19.5–.68 2.19S–.05 121.26E–.09 53 4.1b 29 2-79
IDC I 02 02 52 13.0–.84 1.66S 122.16E 0 4.0,3.9 ¶12079795
DJA I 02 02 52 14 2.25S 121.14E 10 4.6,3.9
NEIC I 02 02 52 17.8–.51 2.27S 121.18E 35 4.3b,3.9
ISCJB I 02 02 52 17.9–.45 2.19S–.05 121.20E–.08 53 4.0b,3.5s
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
IDC I 02 16 54 45.0–1.6 1.83S 122.03E 0 3.5,3.3b
DJA I 02 16 54 41 2.62S 121.73E 10 3.9,3.3b ¶12079836
IDC Error ellipse: s-maj=395.2km s-min=27.3km az=60.0.
IDC I 19 17 23 51.9–1.4 2.12S 120.18E 0 3.9L,3.7
DJA I 19 17 23 58 2.44S 120.07E 10 3.9,3.7 ¶12081782
IDC Error ellipse: s-maj=52.2km s-min=19.5km az=65.0.
ISC I 30 03 06 52.3–.72 2.38S–.07 120.6E–.20 35 4.0b,3.5s 30 3-89
IDC I 30 03 06 47.0–.77 2.28S 120.65E 0 4.0,3.9 ¶12082709
DJA I 30 03 06 49 2.28S 120.65E 10 4.2,3.9
NEIC I 30 03 06 50.0–9.1 2.34S 120.60E 19–58 4.3b,3.9
ISCJB I 30 03 06 50.0–.51 2.34S–.05 120.6E–.10 33 4.0b,3.3s
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
IDC II 11 08 21 25.8–.84 2.57S 121.93E 0 3.9,3.8
DJA II 11 08 21 31 2.65S 121.85E 73 4.5,3.8 ¶12699962
IDC Error ellipse: s-maj=29.6km s-min=15.8km az=73.0.
ISC II 11 14 22 51.2–.79 2.69S–.05 121.92E–.07 35 3.6b 17 1-120

IDC	II	11 14 22 46.2–1.0	2.73S	121.89E	0	4.2L,3.9		¶12699976
ISCJB	II	11 14 22 49.5–.57	2.69S–.05	121.90E–.07	33	3.6b,3.9		
DJA	II	11 14 22 50	2.65S	121.84E	59	4.5,3.9		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=33.1km s-min=18.3km az=65.0.							
ISCJB	Event type ke. Error ellipse: s-maj=10.4km s-min=7.0km az=27.3.							
IDC	**II**	**14 12 55 20.6–7.1**	**2.56S**	**121.74E**	**0**	**3.7,3.5**		**¶15956059**
IDC	Error ellipse: s-maj=342.1km s-min=35.7km az=76.0.							
DJA	**II**	**14 18 34 19.8–1.4**	**2S–4.0**	**121E–6.0**	**10**	**3.5,3.5**		**¶15821852**
DJA	**II**	**19 02 04 54.2–.40**	**2S–4.0**	**123E–5.0**	**10**	**3.7,3.7**		**¶15821925**
ISC	**II**	**24 10 35 39.1–.80**	**1.79S–.03**	**120.57E–.04**	**29–5**	**5.0b,4.0s**	**342**	**1-160**
IDC	II	24 10 35 34.1–.46	1.61S	120.62E	0	4.6,4.6b		¶11728581
MOS	II	24 10 35 38.0–.98	1.74S	120.51E	33	5.1b,4.6b		
DJA	II	24 10 35 38	1.67S	120.50E	14	5.4,4.6b		
BJI	II	24 10 35 39.5	1.80S	120.50E	35	4.9b,4.8b		
ISCJB	II	24 10 35 39.1–.51	1.75S–.03	120.58E–.03	44–5	5.0b,4.0s		
NEIC	II	24 10 35 39.6–.24	1.74S	120.54E	35	5.1b,4.0s		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=19.5km s-min=10.9km az=71.0.							
MOS	Error ellipse: s-maj=16.5km s-min=6.8km az=120.6.							
ISCJB	Event type fe. Error ellipse: s-maj=5.4km s-min=4.5km az=135.3.							
NEIC	Event type fe. Error ellipse: s-maj=8.3km s-min=4.8km az=61.0. Felt [III] at Poso.							
DJA	**II**	**24 10 44 38.3–1.0**	**2S–14**	**121E–12**	**10**	**3.5,3.5**		**¶15821943**
ISC	**II**	**24 11 19 46.3–.86**	**1.68S–.05**	**120.61E–.07**	**10**	**3.5b**	**18**	**1-59**
IDC	II	24 11 19 45.0–1.2	1.67S	120.80E	0	3.7,3.6		¶12701737
DJA	II	24 11 19 46.0–.70	1S–5.0	120E–6.0	10	4.1,4.1		
ISC	Event type ke.							
ISC	**II**	**25 11 49 28.3–2.3**	**1.65S–.05**	**120.56E–.06**	**8–15**	**3.9b**	**39**	**2-63**
DJA	II	25 11 49 27	1.27S	120.11E	10	4.5		¶12701825
IDC	II	25 11 49 27.3–.81	1.55S	120.82E	0	3.9,3.9L		
NEIC	II	25 11 49 28.4–.50	1.67S	120.65E	10	4.5b,3.9L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=42.5km s-min=14.6km az=66.0.							
NEIC	Event type se. Error ellipse: s-maj=24.0km s-min=8.5km az=65.0.							
DJA	**III**	**01 15 08 29.5–1.0**	**3S–5.0**	**122E–8.0**	**129–14**	**4.4b,4.1**		**¶15850230**
IDC	**III**	**01 19 38 45.5–.98**	**2.04S**	**121.23E**	**0**	**3.7,3.6**		**¶12702212**
IDC	Error ellipse: s-maj=40.8km s-min=17.3km az=73.0.							
ISC	**III**	**02 00 03 41.5–.25**	**1.09S–.03**	**119.88E–.03**	**20–2**	**5.8b,5.1s**	**949**	**0-170**
BJI	III	02 00 03 30.6	2.02S	120.28E	10	5.7b,5.5b		¶15153007
IDC	III	02 00 03 38.1–.30	1.08S	119.88E	0	5.4,5.4b		
NEIC	III	02 00 03 39.7–.16	1.11S	119.87E	11	5.9b,5.6		
AUST	III	02 00 03 40.7–.22	1.16S	119.89E	10–0	5.9b,5.6		
ISCJB	III	02 00 03 41.3–.59	1.10S–.02	119.90E–.02	32–4	5.7b,5.0s		
MOS	III	02 00 03 41.5–1.1	1.03S	119.91E	33	5.8b,4.9s		
GCMT	III	02 00 03 42.2–.10	1.05S	119.99E	13–0	5.6W,4.9s		
DJA	III	02 00 03 44.6–.60	1S–2.0	120E–1.0	23–5	6.0b,5.9		
ISC	Event type fe.							
NEIC	Event type fe. Felt [IV] at Palu and [II] at Poso. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.25 $M_{\theta\theta}$0.95 $M_{\phi\phi}$1.30 $M_{r\theta}$0.62 $M_{\theta\phi}$-0.93 $M_{\phi r}$0.12 Best double couple: NP1:ϕ_s152.00000°,δ42.00000°,λ-72.00000°. NP2:ϕ_s308.00000°,δ50.00000°,λ-106.00000°. Principal axes: T 2.1000,Plg4.0000°,Azm49.0000°; N 0.3000,Plg12.0000°,Azm318.0000°; P -2.3900,Plg77.0000°,Azm157.0000° $M_0$2.30000×10^{17}							
ISCJB	Event type fe.							
GCMT	Event type se. Data Used: II IU CN IC G. Surface waves: sta=117, comp=242, per= 50. Moment Tensor Solution. s91,c164; s61,c66; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.47±.04 $M_{\theta\theta}$1.70±.03; $M_{\phi\phi}$0.77±.03; $M_{r\theta}$0.31±.07; $M_{\theta\phi}$-1.56±.02; $M_{\phi r}$-0.32±.08; Best double couple: NP1:ϕ_s125.00000°,δ40.00000°,λ-93.00000°. NP2:ϕ_s309.00000°,δ50.00000°,λ-87.00000°. Principal axes: T 2.9000,Plg5.0000°,Azm37.0000°; N -0.3900,Plg2.0000°,Azm127.0000°; P -2.5100,Plg85.0000°,Azm241.0000° $M_0$2.70000×10^{17}							
ISC	**III**	**16 19 28 36.5–.93**	**5.91S–.06**	**122.92E–.09**	**35**	**3.7b**	**16**	**1-68**
IDC	III	16 19 28 32.8–1.2	5.91S	122.82E	0	3.6,3.5b		¶12703448
ISCJB	III	16 19 28 34.6–.66	5.92S–.06	122.90E–.06	33	3.7b,3.5b		
DJA	III	16 19 28 34.4–.70	6S–5.0	123E–6.0	19–5	3.9,3.9		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**III**	**17 19 15 26.2–.71**	**5.91S–.08**	**122.81E–.09**	**35**	**4.3b**	**33**	**0-68**
IDC	III	17 19 15 21.8–1.1	5.77S	122.87E	0	4.1,4.1		¶12703531
ISCJB	III	17 19 15 24.1–.47	5.81S–.05	122.87E–.05	33	4.3b,4.1		
DJA	III	17 19 15 24.2–.70	6S–3.0	123E–6.0	10	4.0,4.0		
NEIC	III	17 19 15 26.1–.47	5.97S	122.75E	35	4.4b,4.0		
ISC	Event type se.							
IDC	Error ellipse: s-maj=44.2km s-min=20.1km az=51.0.							
ISCJB	Event type se. Error ellipse: s-maj=8.9km s-min=5.8km az=43.4.							
NEIC	Event type se. Error ellipse: s-maj=23.3km s-min=7.8km az=55.0.							
IDC	**III**	**18 12 49 03.5–1.6**	**5.82S**	**122.61E**	**0**	**3.8,3.6**		**¶12703584**
IDC	Error ellipse: s-maj=57.9km s-min=21.9km az=42.0.							
DJA	**III**	**20 05 52 20.5–.50**	**4S–4.0**	**123E–5.0**	**29–5**	**4.0,4.0**		**¶15850319**
ISC	**III**	**23 11 01 36.2–.52**	**5.75S–.09**	**122.69E–.09**	**35**	**4.3b,3.6s**	**55**	**3-134**
IDC	III	23 11 01 30.9–.58	5.74S	122.77E	0	4.3,4.2		¶12635382
NEIC	III	23 11 01 32.4–.34	5.72S	122.74E	10	4.8b,4.2		
ISCJB	III	23 11 01 33.8–.35	5.78S–.07	122.74E–.07	33	4.3b,3.6s		
ISC	Event type fe.							
NEIC	Event type fe. Felt [IV] at Baubau.							
ISCJB	Event type fe.							
ISC	**III**	**28 15 26 52.2–.88**	**2.29S–.06**	**119.08E–.07**	**35**	**3.5b**	**21**	**1-63**
ISCJB	III	28 15 26 50.7–.50	2.26S–.05	119.04E–.05	33	3.5b		¶12635781
DJA	III	28 15 26 51.8–1.1	2S–4.0	119E–3.0	26–13	4.1,4.1		
IDC	III	28 15 26 54.6–4.0	2.33S	119.28E	66–40	4.0L,3.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.6km s-min=6.6km az=147.7.							
IDC	Error ellipse: s-maj=56.6km s-min=16.5km az=54.0.							
AUST	**III**	**30 00 17 49.1–8.8**	**3.67S**	**119.40E**	**1–0**			**¶15153477**
AUST	Error ellipse: s-maj=1.4km s-min=1.1km az=330.0.							
IDC	**III**	**30 16 41 49.4–1.7**	**5.67S**	**122.62E**	**0**	**3.5,3.3**		**¶12635960**
IDC	Error ellipse: s-maj=56.9km s-min=22.5km az=40.0.							
ISC	**IV**	**10 09 51 56.6–1.5**	**2.2S–.10**	**121.0E–.10**	**35**	**3.2b**	**9**	**1-59**
IDC	IV	10 09 51 53.7–1.8	2.50S	121.16E	0	3.4,3.2		¶12934973
ISCJB	IV	10 09 51 56.2–.72	2.27S–.08	121.2E–.10	33	3.1b,3.2		
DJA	IV	10 09 51 57.0–.60	2S–5.0	121E–6.0	57–23	6.4b,6.1		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IV**	**10 14 54 19.8–1.2**	**2.49S–.07**	**121.61E–.08**	**22**	**3.3b**	**12**	**2-35**
ISCJB	IV	10 14 54 18.4–.73	2.49S–.07	121.59E–.08	22	3.3b,3.2s		¶12934961
DJA	IV	10 14 54 18.3–.40	2S–4.0	122E–5.0	13	3.9,3.9		
IDC	IV	10 14 54 28.5–14	3.87S	121.67E	0	3.7L,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=13.3km s-min=7.8km az=36.9.							
IDC	Error ellipse: s-maj=269.0km s-min=33.1km az=4.0.							
ISC	**IV**	**11 11 46 23.2–1.4**	**5.8S–.10**	**122.77E–.08**	**35**		**15**	**0-67**
DJA	IV	11 11 46 15.4–.50	6S–4.0	123E–4.0	10	5.3b,4.7		¶12935034
IDC	IV	11 11 46 19.8–1.3	5.59S	122.71E	0	3.7,3.6		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=45.7km s-min=21.5km az=45.0.							
DJA	**IV**	**21 16 40 38.9–.80**	**2S–10**	**123E–11**	**101–8**	**4.0,4.0**		**¶15852905**
DJA	**IV**	**24 07 04 10.0–1.6**	**3S–6.0**	**123E–12**	**85–121**	**3.9,3.9**		**¶15852914**
ISC	**IV**	**28 09 03 13.3–.44**	**1.38S–.04**	**119.20E–.06**	**35**	**4.3b,3.7s**	**72**	**1-152**
AUST	IV	28 09 03 04.7–2.7	0.63S	120.11E	0–0	4.3b,3.7s		¶15154005
IDC	IV	28 09 03 07.4–.62	1.38S	119.38E	0	4.2,4.0		
BJI	IV	28 09 03 11.3	1.40S	119.20E	28	5.0b,4.7b		
ISCJB	IV	28 09 03 11.8–.31	1.36S–.03	119.20E–.05	33	4.2b,3.6s		
NEIC	IV	28 09 03 12.6–.39	1.40S	119.35E	35	4.6b,3.6s		
DJA	IV	28 09 03 14.9–.30	1S–3.0	119E–3.0	90–15	5.2b,4.9		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
ISC	**V**	**02 03 08 07.7–.72**	**2.42S–.05**	**120.87E–.05**	**10**	**3.9b**	**18**	**0-64**
DJA	V	02 03 08 07.4–.30	2S–3.0	121E–3.0	10	4.2,4.2		¶13678210
IDC	V	02 03 08 07.2–.87	2.42S	120.78E	0	3.9,3.8		
ISCJB	V	02 03 08 07.1–.51	2.31S–.04	120.90E–.04	10	3.8b,3.8		
ISC	Event type ke.							
ISCJB	Event type ke.							
IDC	**V**	**02 04 19 25.7–1.6**	**1.18S**	**122.69E**	**0**	**3.6,3.4**		**¶16154823**
IDC	Error ellipse: s-maj=233.3km s-min=25.2km az=61.0.							
IDC	**V**	**07 06 50 19.2–1.2**	**2.84S**	**119.57E**	**0**	**3.7,3.6**		**¶16155477**
IDC	Error ellipse: s-maj=79.2km s-min=18.8km az=73.0.							
ISC	**V**	**08 09 57 17.4–.81**	**2.88S–.05**	**119.77E–.06**	**10**	**3.9b**	**19**	**0-59**
IDC	V	08 09 57 15.5–1.1	2.78S	119.86E	0	3.9,3.8		¶13678548
ISCJB	V	08 09 57 16.4–.60	2.79S–.04	119.68E–.06	10	3.7b,3.8		
DJA	V	08 09 57 17.6–.50	3S–3.0	120E–4.0	10	3.9,3.9		
ISC	Event type ke.							
ISCJB	Event type ke.							
AUST	**V**	**14 08 17 36.0–.01**	**4.56S**	**122.39E**	**309–0**			**¶16360126**
AUST	Error ellipse: s-maj=1.2km s-min=1.1km az=12.0.							
ISC	**V**	**15 22 15 35.4–.58**	**2.24S–.04**	**120.87E–.06**	**10**	**4.1b,3.6s**	**27**	**1-119**
ISCJB	V	15 22 15 34.6–.45	2.26S–.04	120.82E–.05	10	4.0b,3.4s		¶13679024
IDC	V	15 22 15 34.0–.76	2.26S	120.92E	0	4.2,4.1		
DJA	V	15 22 15 36.7–1.1	2S–3.0	121E–4.0	15–8	4.7,4.7		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**16 14 46 13.0–3.1**	**1.44S–.06**	**120.3E–.10**	**2–19**	**3.7b**	**20**	**1-63**
IDC	V	16 14 46 11.9–1.1	1.41S	120.57E	0	3.5,3.4		¶13679064
ISCJB	V	16 14 46 14.6–2.2	1.46S–.05	120.17E–.06	8–14	3.5b,3.4		
DJA	V	16 14 46 19.3–.40	2S–3.0	120E–3.0	10	4.4b,4.0		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**21 12 01 34.7–1.0**	**5.54S–.06**	**121.99E–.06**	**17**		**14**	**1-63**
IDC	V	21 12 01 33.0–1.5	5.53S	122.21E	0	3.6,3.5		¶13679364
DJA	V	21 12 01 38.8–1.1	6S–10	121E–15	181–17	3.7,3.7		
ISC	Event type ke.							
ISC	**V**	**21 19 34 14.3–.81**	**1.09S–.06**	**123.26E–.05**	**40**	**3.7b**	**22**	**0-91**
IDC	V	21 19 34 07.9–.96	0.86S	123.40E	0	4.0L,3.8		¶13679386
DJA	V	21 19 34 12.7–.90	1S–4.0	123E–5.0	10	6.0b,5.9b		
ISCJB	V	21 19 34 13.6–.47	1.10S–.04	123.29E–.04	40	3.7b,5.9b		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**22 10 00 11.5–1.5**	**2.18S–.05**	**121.08E–.05**	**9–10**	**3.9b**	**26**	**0-64**
IDC	V	22 10 00 09.7–1.1	2.19S	121.08E	0	4.0,3.9		¶13679415
ISCJB	V	22 10 00 12.0–1.2	2.16S–.05	121.12E–.06	24–9	3.8b,3.1s		
DJA	V	22 10 00 13.4–.50	2S–3.0	121E–3.0	15–4	5.2b,4.8b		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**23 11 40 53.8–1.5**	**2.87S–.04**	**119.79E–.06**	**8–10**	**4.5b,3.6s**	**39**	**0-93**
IDC	V	23 11 40 51.9–.98	2.68S	120.00E	0	4.3,4.1		¶13679466
ISCJB	V	23 11 40 53.8–1.1	2.82S–.04	119.71E–.06	19–9	4.2b,3.6s		
DJA	V	23 11 40 54.6–.30	3S–4.0	120E–3.0	10	8.3,8.0b		
NEIC	V	23 11 40 58.8–1.4	2.88S	119.75E	50–14	4.5b,8.0b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=59.3km s-min=16.3km az=64.0.							
ISCJB	Event type se. Error ellipse: s-maj=10.0km s-min=7.0km az=167.9.							
NEIC	Event type se. Error ellipse: s-maj=27.6km s-min=7.8km az=59.0.							
DJA	**V**	**23 16 30 34.9–.30**	**3S–2.0**	**120E–3.0**	**10**	**5.5b,5.0**		**¶15852982**
ISC	**V**	**31 08 14 06.9–1.8**	**2.89S–.04**	**119.79E–.07**	**0–13**	**4.0b,3.1s**	**20**	**1-61**
IDC	V	31 08 14 06.5–1.0	2.83S	119.82E	0	4.1,4.0		¶13680026
DJA	V	31 08 14 09.4–.30	3S–4.0	120E–4.0	15	6.0b,5.7		
ISC	Event type ke.							
IDC	**VI**	**01 18 22 40.8–1.7**	**1.57S**	**120.73E**	**0**	**3.7L,3.4**		**¶16066175**
IDC	Error ellipse: s-maj=64.8km s-min=27.2km az=66.0.							
ISC	**VI**	**15 02 37 22.0–.98**	**2.04S–.07**	**120.91E–.08**	**35**	**3.7b**	**15**	**1-64**
DJA	VI	15 02 37 17.9–.50	2S–6.0	121E–6.0	10	4.5b,4.3		¶13681391
IDC	VI	15 02 37 17.2–1.1	2.12S	121.20E	0	3.9,3.9L		
ISCJB	VI	15 02 37 20.8–.63	2.04S–.07	120.91E–.08	33	3.7b,3.9L		
ISC	Event type ke.							
ISCJB	Event type ke.							
DJA	**VI**	**22 03 08 27.7–1.1**	**2S–5.0**	**122E–8.0**	**70–35**	**3.6,3.6**		**¶15853056**
DJA	**VI**	**22 06 23 24.6–.70**	**3S–4.0**	**122E–4.0**	**4–4**	**3.8,3.8**		**¶15853055**
DJA	**VI**	**28 07 01 12.3–.40**	**3S–4.0**	**120E–4.0**	**20–4**	**6.1b,5.7**		**¶15853070**

(269) Southern Molucca Sea.

IDC	**I**	**05 14 48 37.5–.66**	**0.06S**	**125.88E**	**0**	**4.2,4.1b**		
DJA	I	05 14 48 43	0.10S	126.20E	4	4.0,4.1b		¶12080387
IDC	Error ellipse: s-maj=39.0km s-min=14.4km az=71.0.							
ISC	**I**	**16 07 04 25.7–.76**	**0.1S–.10**	**124.8E–.40**	**53**	**4.1b**	**20**	**7-75**
IDC	I	16 07 04 18.4–.81	0.19S	124.45E	0	4.0,3.9		¶12081415
ISCJB	I	16 07 04 23.7–.55	0.1S–.10	124.8E–.30	53	4.2b,3.6s		
NEIC	I	16 07 04 23.7–.51	0.01N	125.07E	35	4.7b,3.6s		
DJA	I	16 07 04 28	0.04N	124.65E	38	4.1,3.6s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=72.4km s-min=15.7km az=67.0.							
ISCJB	Event type se. Error ellipse: s-maj=43.8km s-min=9.4km az=159.7.							
NEIC	Event type se. Error ellipse: s-maj=46.9km s-min=7.6km az=67.0.							
ISC	**II**	**11 04 17 31.4–.30**	**0.12S–.03**	**124.36E–.04**	**64–2**	**5.0b**	**513**	**2-168**
MOS	II	11 04 17 26.4–1.3	0.01S	124.15E	33	5.2b		¶11671852
ISCJB	II	11 04 17 31.0–.46	0.07S–.03	124.47E–.03	77–4	4.9b		
BJI	II	11 04 17 30.1	0.10S	124.30E	60	5.1b,4.8b		
IDC	II	11 04 17 30.4–1.4	0.05S	124.27E	56–12	4.6,4.6		
NEIC	II	11 04 17 31.3–.69	0.08S	124.29E	63–6	5.0b,4.6		
DJA	II	11 04 17 33	0.09S	124.55E	69	5.4b,4.6		
ISC	Event type se.							
MOS	Error ellipse: s-maj=11.2km s-min=6.1km az=115.1.							
ISCJB	Event type se. Error ellipse: s-maj=5.1km s-min=4.3km az=35.6.							
IDC	Error ellipse: s-maj=14.3km s-min=8.9km az=76.0.							
NEIC	Event type se. Error ellipse: s-maj=7.0km s-min=4.4km az=73.0.							
ISC	**II**	**14 05 43 55.5–.70**	**0.09S–.06**	**124.41E–.05**	**73**	**4.0b**	**25**	**1-122**
ISCJB	II	14 05 43 53.8–.43	0.05S–.05	124.45E–.04	73	3.9b		¶12700629
DJA	II	14 05 43 55	0.16S	124.45E	34	4.7		
IDC	II	14 05 43 56.7–4.0	0.12S	124.13E	84–39	3.7,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.2km s-min=5.7km az=14.4.							
IDC	Error ellipse: s-maj=35.9km s-min=16.2km az=67.0.							
IDC	**II**	**17 15 35 05.2–2.1**	**1.31S**	**126.68E**	**0**	**3.4L,3.3**		**¶15956422**
IDC	Error ellipse: s-maj=163.1km s-min=28.6km az=65.0.							
ISC	**II**	**18 21 45 48.1–1.0**	**0.39S–.08**	**124.30E–.08**	**60**	**3.8b**	**10**	**1-60**
IDC	II	18 21 45 39.5–1.2	0.17S	124.26E	0	4.0,3.8		¶12701177
ISCJB	II	18 21 45 48.1–.77	0.48S–.06	124.31E–.10	60	3.8b,3.8		
DJA	II	18 21 45 48.4–1.1	0S–5.0	124E–6.0	20–13	4.1,4.1		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**II**	**19 14 59 11.5–.76**	**1.01S–.08**	**126.86E–.07**	**34**	**4.0b**	**28**	**2-66**
IDC	II	19 14 59 06.5–1.0	1.08S	127.15E	0	4.1,4.0		¶12701254

ISCJB II 19 14 59 09.5–.46 1.00S–.06 126.85E–.04 34 4.0b,4.0
DJA II 19 14 59 14 1.35S 126.67E 10 4.4,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=45.3km s-min=16.9km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.8km az=16.6.
ISC II 24 12 40 51.8–.87 0.02S–.06 126.68E–.05 73 3.7b 17 1-61
ISCJB II 24 12 40 50.5–.51 0.02S–.05 126.67E–.04 73 4.3b ¶12701747
DJA II 24 12 40 51.1–.90 0N–3.0 127E–4.0 22–16 4.4b,4.0
IDC II 24 12 40 53.0–8.8 0.15S 126.53E 70–83 3.9,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.6km az=23.1.
IDC Error ellipse: s-maj=61.4km s-min=21.2km az=52.0.
ISC II 27 08 15 25.2–.84 1.02S–.07 126.97E–.08 34 3.6b 14 1-66
IDC II 27 08 15 20.0–1.2 0.97S 127.06E 0 3.9,3.8 ¶12701984
ISCJB II 27 08 15 23.8–.56 1.03S–.05 126.89E–.07 34 3.7b,3.8
DJA II 27 08 15 25.1–.70 1S–3.0 127E–8.0 29–9 4.9b,4.9b
ISC Event type ke.
ISCJB Event type ke.
IDC III 02 11 47 51.4–1.1 0.65S 125.06E 0 3.4,3.3
¶12702261
IDC Error ellipse: s-maj=141.1km s-min=22.0km az=67.0.
DJA III 09 18 24 46.9–1.2 0S–3.0 124E–2.0 14–8 3.5,3.5
¶15850268
IDC III 11 16 59 10.8–1.8 0.15S 125.57E 0 3.9s,3.9
¶12702986
IDC Error ellipse: s-maj=181.4km s-min=25.1km az=64.0.
IDC III 12 08 37 21.3–1.8 0.13S 125.34E 0 3.4,3.3
¶12703056
IDC Error ellipse: s-maj=188.4km s-min=25.2km az=64.0.
ISC III 13 02 19 19.2–.96 0.4S–.10 125.42E–.06 10 3.6b 9 2-60
IDC III 13 02 19 15.5–1.2 0.37S 124.71E 0 3.9,3.7b ¶12703135
DJA III 13 02 19 17.9–2.4 2S–6.0 126E–4.0 10 5.2b,4.7
ISC Event type ke.
ISC III 15 15 08 12.8–.51 0.24S–.05 124.51E–.06 73 4.0b 43 1-94
ISCJB III 15 15 08 10.6–.32 0.25S–.04 124.49E–.04 73 4.0b ¶15153202
DJA III 15 15 08 10.9–.90 0S–4.0 125E–3.0 29–13 4.9b,4.8b
AUST III 15 15 08 10.7–1.2 0.14S 124.50E 60–0 4.9b,4.8b
IDC III 15 15 08 12.7–3.5 0.27S 124.40E 75–34 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.5km az=165.0.
AUST Error ellipse: s-maj=2.1km s-min=1.3km az=15.0.
IDC Error ellipse: s-maj=23.6km s-min=13.1km az=66.0.
ISC III 21 20 17 25.8–.72 0.07S–.06 124.62E–.06 73 3.8b 21 2-75
ISCJB III 21 20 17 24.1–.50 0.15S–.06 124.57E–.06 73 3.5b ¶12635212
DJA III 21 20 17 24.2–.40 0S–5.0 125E–3.0 10 4.9b,4.4b
IDC III 21 20 17 25.7–3.0 0.20S 124.60E 74–26 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=7.4km az=145.7.
IDC Error ellipse: s-maj=28.1km s-min=16.7km az=70.0.
IDC III 25 06 32 36.9–1.7 0.14S 125.38E 0 3.7,3.5
¶12635529
IDC Error ellipse: s-maj=139.8km s-min=22.8km az=67.0.
IDC III 27 12 25 01.4–1.9 0.15S 125.55E 0 3.3,3.2
¶12635696
IDC Error ellipse: s-maj=195.6km s-min=26.3km az=64.0.
IDC III 28 14 38 00.7–1.8 1.95S 126.52E 0 3.4L,3.4b
¶12635778
IDC Error ellipse: s-maj=163.8km s-min=24.3km az=65.0.
ISC III 31 17 17 56.2–1.1 0.70S–.05 125.01E–.04 60–13 3.3b 21 2-70
IDC III 31 17 17 48.4–1.0 0.60S 125.15E 0 3.7L,3.4 ¶12636043
DJA III 31 17 17 53.8–.30 1S–3.0 125E–2.0 15 3.7,3.7
ISCJB III 31 17 17 54.4–.55 0.77S–.04 124.97E–.04 64–9 3.1b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC III 31 18 32 58.4–1.1 0.68S–.09 125.06E–.07 52 3.2b 12 2-60
IDC III 31 18 32 51.4–1.6 0.55S 125.12E 0 3.6L,3.4 ¶12636047
ISCJB III 31 18 32 57.0–.64 0.72S–.08 125.03E–.06 52 3.2b,3.4
DJA III 31 18 32 58.7–.80 1S–10 125E–5.0 57–49 4.6b,4.4b
ISC Event type ke.
ISCJB Event type ke.
IDC IV 06 12 40 44.3–1.6 0.54S 125.48E 0 3.7,3.7
¶16152461
IDC Error ellipse: s-maj=119.1km s-min=23.0km az=66.0.
DJA IV 09 00 50 13.5–.40 0S–3.0 124E–2.0 89–12 3.7,3.7
¶15850378
DJA IV 16 05 18 36.9–.70 0S–6.0 124E–5.0 62–12 3.8,3.8
¶15850472
IDC IV 28 09 32 45.8–1.6 0.18S 124.90E 0 3.5,3.3
¶16154585
IDC Error ellipse: s-maj=183.8km s-min=23.7km az=63.0.
ISC IV 30 15 33 11.8–1.0 0.02S–.07 126.71E–.09 73 3.6b 10 1-61
IDC IV 30 15 33 03.1–1.9 0.26N 127.27E 0 3.8,3.7 ¶12936498
ISCJB IV 30 15 33 10.4–.78 0.02S–.06 126.69E–.08 73 3.5b,3.7
DJA IV 30 15 33 10.6–.90 0S–4.0 127E–5.0 23–14 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC V 07 13 11 16.5–.93 0.00S–.10 125.88E–.07 44 3.8b 10 2-64
IDC V 07 13 11 10.5–.99 0.05N 125.97E 0 3.9,3.8 ¶13678500
DJA V 07 13 11 11.7–3.8 0S–16 126E–6.0 155–66 3.5,3.5
ISCJB V 07 13 11 14.9–.69 0.03S–.09 125.84E–.08 44 3.8b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC V 14 09 24 54.0–.35 0.27S–.03 125.05E–.03 47–2 5.2b,4.1s 464 1-168
BJI V 14 09 24 46.5 0.89S 125.20E 41 5.3b,5.0b ¶15154317
MOS V 14 09 24 50.5–1.2 0.23S 124.92E 33 5.5b,4.2s
NEIC V 14 09 24 51.2–1.9 0.25S 124.96E 26–13 5.2b,4.2s
IDC V 14 09 24 52.2–2.0 0.26S 125.00E 33–14 4.9,4.9b
ISCJB V 14 09 24 53.8–.37 0.26S–.02 125.07E–.02 61–3 5.2b,4.9b
DJA V 14 09 24 56.6–.20 0S–2.0 125E–1.0 63–3 6.1,5.6b
GCMT V 14 09 24 56.4–.20 0.44S 124.99E 35–0 5.1W,5.6b
AUST V 14 09 24 56.5–.24 0.34S 125.08E 71–0 5.1W,5.6b
ISC Event type se.
MOS Error ellipse: s-maj=11.7km s-min=5.6km az=117.1.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.4km az=70.0.
IDC Error ellipse: s-maj=14.5km s-min=8.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.4km az=42.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s52,c69; s59,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}4.17±.21 $M_{\theta\theta}$-2.87±.15; $M_{\phi\phi}$-1.30±.18; $M_{r\theta}$0.93±.14; $M_{\theta\phi}$-2.55±.11; $M_{\phi r}$2.19±.19; Best double couple: NP1:ϕ_s249.00000°,δ35.00000°,λ116.00000°. NP2:ϕ_s39.00000°,δ59.00000°,λ73.00000°. Principal axes: T 4.9400,Plg71.0000° ,Azm271.0000°; N 0.2800,Plg14.0000°,Azm48.0000°; P -5.2100,Plg13.0000°,Azm141.0000° M_o5.10000×10^{16}
AUST Error ellipse: s-maj=0.9km s-min=0.6km az=23.0.
IDC VI 01 23 58 43.5–1.4 1.27S 126.63E 0 3.8,3.6
¶16066187
IDC Error ellipse: s-maj=146.8km s-min=21.9km az=69.0.
ISC VI 04 23 59 50.6–.32 0.36S–.03 125.16E–.04 79–2 5.0b 287 1-153
IDC VI 04 23 59 41.1–.47 0.21S 125.03E 0 4.8,4.8b ¶15155725
BJI VI 04 23 59 42.7 1.17S 125.34E 81 5.1b,5.0b
MOS VI 04 23 59 44.4–.96 0.31S 125.08E 40 5.3b,5.0b
DJA VI 04 23 59 47.0–.20 0S–2.0 125E–2.0 10 5.2b,4.9b
ISCJB VI 04 23 59 47.9–.36 0.32S–.03 125.11E–.03 68–3 4.9b,4.9b
NEIC VI 04 23 59 49.7–.89 0.33S 125.11E 72–8 5.0b,4.9b
AUST VI 04 23 59 49.7–.61 0.27S 125.33E 59–0 5.0b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=11.9km az=83.0.
MOS Error ellipse: s-maj=16.6km s-min=6.3km az=116.9.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.1km az=39.4.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.1km az=76.0.
AUST Error ellipse: s-maj=1.6km s-min=0.8km az=19.0.
IDC VI 12 19 47 15.8–1.2 1.37S 126.79E 0 4.0,3.9
¶16101252
IDC Error ellipse: s-maj=47.2km s-min=19.1km az=73.0.
ISC VI 15 12 21 01.1–.73 0.39S–.06 125.20E–.05 52 4.0b 23 2-123
IDC VI 15 12 20 53.9–.82 0.27S 125.17E 0 3.9,3.9 ¶13681421
DJA VI 15 12 20 57.3–.30 0S–3.0 125E–3.0 10 5.1b,4.9b
ISCJB VI 15 12 20 59.6–.48 0.44S–.04 125.19E–.04 52 3.9b,4.9b
ISC Event type ke.
ISCJB Event type ke.
DJA VI 25 09 01 17.9–1.4 1S–7.0 125E–5.0 116–20 3.9,3.9
¶15853062

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ISC I 02 01 45 52.6–.67 2.67S–.08 126.77E–.08 41 4.1b,3.6s 40 1-99
IDC I 02 01 45 46.5–.76 2.75S 126.64E 0 4.5L,4.2 ¶12079792
DJA I 02 01 45 49 2.46S 126.83E 7 4.3,4.2
ISCJB I 02 01 45 50.3–.41 2.64S–.06 126.78E–.06 41 4.0b,3.6s
NEIC I 02 01 45 55.1–2.0 2.76S 126.76E 70–21 4.5b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=9.8km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.9km az=136.8.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=6.3km az=225.0.
ISC I 03 16 12 11.0–1.6 2.4S–.10 128.95E–.06 33 10 1-64
IDC I 03 16 12 05.7–2.0 2.39S 127.83E 0 3.9,3.8L ¶12079911
DJA I 03 16 12 11 1.95S 128.58E 14 3.8,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=152.7km s-min=25.2km az=67.0.
IDC I 09 08 20 28.2–2.1 2.18S 128.46E 0 3.9,3.7b
DJA I 09 08 20 30 3.18S 126.70E 75 3.6,3.7b ¶12080819
IDC Error ellipse: s-maj=148.4km s-min=25.8km az=68.0.
ISC I 14 15 22 24.0–.39 2.65S–.04 127.54E–.05 29 4.7b,4.1s 131 1-97
IDC I 14 15 22 19.3–.86 2.60S 127.75E 0 4.5,4.4 ¶11594681
BJI I 14 15 22 21.0 3.72S 127.86E 84 5.2b,4.8s
MOS I 14 15 22 22.8–1.1 2.61S 127.61E 33 4.8b,4.8s
ISCJB I 14 15 22 22.1–.27 2.70S–.04 127.63E–.05 29 4.7b,4.1s
DJA I 14 15 22 23 2.59S 127.44E 15 4.8,4.1s
NEIC I 14 15 22 28.5–1.3 2.78S 127.63E 75–13 4.6b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=18.5km az=78.0.
MOS Error ellipse: s-maj=20.7km s-min=9.3km az=121.1.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.4km az=155.7.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.2km az=48.0.
IDC I 27 16 04 57.9–2.0 2.85S 127.78E 0 3.3,3.2
¶12082495
IDC Error ellipse: s-maj=145.8km s-min=25.9km az=67.0.
ISC I 30 19 49 59.7–.57 2.80S–.08 127.5E–.10 42 4.3b 54 1-78
IDC I 30 19 49 53.9–1.1 2.75S 127.62E 0 4.5L,4.1 ¶12082757
ISCJB I 30 19 49 58.2–.37 2.73S–.06 127.49E–.09 42 4.4b,4.1
DJA I 30 19 49 59 2.60S 127.33E 62 4.1,4.1
NEIC I 30 19 50 04.8–4.5 2.80S 127.64E 96–46 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=88.3km s-min=11.1km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=5.3km az=149.9.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=10.9km az=50.0.
IDC II 03 16 54 40.6–6.6 2.09S 128.84E 0 4.5,4.5L
¶15954966
IDC Error ellipse: s-maj=99.8km s-min=65.1km az=8.0.
IDC II 24 15 50 25.9–2.3 2.55S 128.68E 0 3.6,3.4
¶15957172
IDC Error ellipse: s-maj=140.4km s-min=28.2km az=68.0.
IDC III 01 00 46 41.6–1.5 2.75S 128.93E 0 3.8L,3.7
¶12702155
IDC Error ellipse: s-maj=54.1km s-min=23.5km az=69.0.
DJA III 03 05 35 32.1–.70 3S–4.0 128E–3.0 10 5.0b,4.0
¶16437762
IDC III 07 02 26 12.4–2.0 2.56S 128.95E 0 3.8,3.7
¶12702605
IDC Error ellipse: s-maj=56.8km s-min=27.3km az=64.0.
IDC III 07 03 54 51.2–1.5 2.67S 128.99E 0 3.8,3.6L
¶12702610
IDC Error ellipse: s-maj=53.5km s-min=15.4km az=70.0.
IDC III 07 22 19 10.2–1.6 2.88S 128.47E 0 3.9,3.8
¶12702667
IDC Error ellipse: s-maj=53.8km s-min=23.6km az=60.0.
IDC III 10 00 02 28.8–2.0 2.72S 127.59E 0 3.7,3.5
¶12702827
IDC Error ellipse: s-maj=109.0km s-min=26.1km az=69.0.
IDC III 11 23 17 38.0–1.3 3.59S 124.81E 0 3.6L,3.5
¶12703027
IDC Error ellipse: s-maj=135.8km s-min=22.5km az=65.0.
ISC III 22 21 00 46.1–.92 3.0S–.10 126.57E–.10 100 11 2-63
IDC III 22 21 00 34.6–1.9 2.72S 127.11E 0 3.8L,3.6 ¶15153355
ISCJB III 22 21 00 44.2–.76 3.0S–.10 126.55E–.08 100 3.3b,3.6
AUST III 22 21 00 46.0–.01 2.82S 126.56E 104–0 3.3b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=107.8km s-min=25.7km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=10.8km az=20.6.
AUST Error ellipse: s-maj=1.7km s-min=1.0km az=19.0.
ISC III 30 04 22 47.3–.54 2.77S–.05 126.84E–.06 41 4.1b 42 1-125
AUST III 30 04 22 21.1–5.4 0.65S 126.82E 0–0 4.1b ¶12635912
IDC III 30 04 22 41.0–.68 2.82S 126.99E 0 4.4L,4.2
DJA III 30 04 22 44.6–.30 3S–3.0 127E–3.0 10 4.9b,4.7b
ISCJB III 30 04 22 46.0–.35 2.77S–.04 126.84E–.05 41 4.1b,3.6s
ISC Event type ke.
ISCJB Event type ke.
IDC IV 01 22 23 48.2–2.2 3.23S 125.64E 0 3.3,3.2b
¶16152243
IDC Error ellipse: s-maj=307.7km s-min=27.1km az=63.0.
ISC IV 22 10 45 12.7–.75 2.15S–.05 127.00E–.07 35 3.9b 28 2-125
IDC IV 22 10 45 05.8–1.5 1.93S 127.81E 0 4.1,4.0 ¶15153905
ISCJB IV 22 10 45 10.9–.53 2.10S–.04 126.93E–.05 33 4.0b,3.3s
DJA IV 22 10 45 12.2–.60 2S–3.0 127E–5.0 103–11 4.8b,4.7b
AUST IV 22 10 45 18.2–1.3 2.27S 127.35E 88–0 4.8b,4.7b
ISC Event type ke.
IDC Error ellipse: s-maj=99.2km s-min=13.7km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.6km az=160.8.
AUST Error ellipse: s-maj=1.6km s-min=1.1km az=297.0.
ISC V 14 17 28 48.1–.59 2.86S–.06 128.26E–.08 51 3.7b 44 1-126
DJA V 14 17 28 44.6–.30 3S–3.0 128E–3.0 10 5.2b,4.9b ¶13065835
ISCJB V 14 17 28 46.3–.34 2.82S–.04 128.23E–.04 51 3.8b,2.7s
IDC V 14 17 28 47.5–3.0 2.83S 128.43E 46–27 4.4L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.6km az=34.9.
IDC Error ellipse: s-maj=41.4km s-min=9.3km az=66.0.
IDC V 20 13 06 42.2–11 2.09S 126.70E 0 4.0s,4.0
¶16155950
IDC Error ellipse: s-maj=178.9km s-min=149.5km az=129.0.
IDC V 23 10 10 06.4–13 3.34S 124.66E 0 3.7L,3.6
¶16156045
IDC Error ellipse: s-maj=222.4km s-min=127.4km az=119.0.
ISC V 23 16 06 45.6–.29 2.71S–.04 127.52E–.04 42 4.8b,3.8s 219 2-151
BJI V 23 16 06 42.3 2.70S 127.60E 35 4.9b,4.8b ¶12854295
IDC V 23 16 06 43.8–2.8 2.74S 127.62E 26–18 4.9L,4.5
ISCJB V 23 16 06 43.8–.22 2.67S–.03 127.58E–.03 42 4.7b,3.9s
NEIC V 23 16 06 44.4–.24 2.70S 127.53E 35 4.8b,3.9s
DJA V 23 16 06 46.3–.30 3S–2.0 127E–2.0 42–5 4.7,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 23 21 18 53.8–11 2.39S 126.08E 0 3.9,3.7
¶16156063
IDC Error ellipse: s-maj=175.3km s-min=153.6km az=125.0.

IDC V 24 07 39 04.2–1.9 2.59S 127.39E 0 3.5,3.4b
¶16156088
IDC Error ellipse: s-maj=144.4km s-min=25.6km az=66.0.
ISC V 27 06 30 51.8–.64 2.23S–.05 128.27E–.06 34 3.9b 29 1-126
ISCJB V 27 06 30 50.7–.53 2.18S–.05 128.32E–.07 34 3.9b,2.9s **¶15155538**
IDC V 27 06 30 51.9–.93 2.29S 128.09E 32–6 3.8,3.7
DJA V 27 06 30 52.7–1.1 2S–3.0 128E–4.0 28–17 5.0b,4.9b
AUST V 27 06 30 57.9 2.49S 128.51E 60 5.0b,4.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.3km az=157.1.
IDC Error ellipse: s-maj=56.9km s-min=16.6km az=78.0.
IDC V 29 03 52 24.7–13 2.32S 125.79E 0 4.0,4.0L
¶16156297
IDC Error ellipse: s-maj=197.7km s-min=159.4km az=135.0.
ISC V 30 05 40 53.7–.98 2.36S–.07 128.31E–.09 35 11 1-54
ISCJB V 30 05 40 53.1–.67 2.31S–.06 128.31E–.06 33 3.8b **¶13679952**
DJA V 30 05 40 53.7–1.1 2S–4.0 128E–3.0 15–15 4.8b,4.5b
IDC V 30 05 41 04.3–3.7 2.97S 127.95E 85–35 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.3km az=44.1.
IDC Error ellipse: s-maj=49.7km s-min=13.3km az=67.0.
IDC VI 07 14 40 49.3–1.6 2.04S 127.92E 0 3.6b,3.5
¶16101064
IDC Error ellipse: s-maj=137.1km s-min=23.3km az=69.0.
ISC VI 26 12 58 57.7–.81 2.73S–.09 128.1E–.20 32 3.9b 13 1-68
IDC VI 26 12 58 53.3–1.1 2.52S 128.52E 0 3.9,3.8 **¶13682061**
DJA VI 26 12 58 58.6–.50 3S–6.0 128E–7.0 15 4.6b,4.6b
ISC Event type ke.
IDC VI 26 14 41 18.5–1.6 2.90S 127.66E 0 3.9,3.7
¶16101749
IDC Error ellipse: s-maj=110.6km s-min=22.7km az=68.0.
IDC VI 29 21 26 17.1–1.1 2.90S 128.01E 0 4.2,4.0
¶16101873
IDC Error ellipse: s-maj=49.8km s-min=18.5km az=70.0.

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ISC I 26 19 29 08.9–.53 3.30S–.06 126.85E–.05 35 4.3b 61 1-91
IDC I 26 19 29 03.7–.67 3.33S 126.76E 0 5.3,5.3s **¶12082399**
ISCJB I 26 19 29 06.7–.29 3.36S–.04 126.80E–.04 33 5.4s,4.2b
DJA I 26 19 29 07 3.14S 126.89E 10 4.6,4.2b
NEIC I 26 19 29 08.7–.39 3.33S 126.88E 35 4.3b,4.2b
BJI I 26 19 29 11.7 3.30S 126.80E 30 4.4b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=13.6km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=144.1.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.8km az=59.0.
IDC I 28 14 05 07.2–1.8 3.09S 126.43E 0 3.3,3.2L
DJA I 28 14 06 12 2.66S 120.20E 63 2.8,3.2L **¶12082577**
IDC Error ellipse: s-maj=153.3km s-min=25.8km az=65.0.
ISC IV 04 09 29 48.2–.27 3.09S–.03 126.71E–.04 32 4.7b,4.2s 200 0-156
DJA IV 04 09 29 45.7–.60 3S–2.0 127E–2.0 14–5 5.2b,5.2b **¶15153544**
GCMT IV 04 09 29 46.8–.30 2.85S 126.59E 22–2 5.1W,5.2b
ISCJB IV 04 09 29 46.0–.20 3.10S–.03 126.63E–.03 32 4.6b,4.2s
IDC IV 04 09 29 47.5–2.6 3.13S 126.61E 30–18 4.5L,4.3
NEIC IV 04 09 29 48.0–.19 3.09S 126.67E 35 4.7b,4.3
AUST IV 04 09 29 49.4–.03 3.02S 126.65E 66–0 4.7b,4.3
ISC Event type se.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s12,c15; s61,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.26±.31 $M_{\theta\theta}$-4.41±.23; $M_{\phi\phi}$4.67±.28; $M_{r\theta}$0.72±.33; $M_{\theta\phi}$1.64±.16; $M_{\theta r}$0.65±.40; Best double couple: NP1:ϕ_s325.00000°,δ79.00000°,λ180.00000°. NP2:ϕ_s55.00000°,δ90.00000°,λ11.00000°. Principal axes: T 5.0700,Plg8.0000° ,Azm280.0000°; N -0.2900,Plg79.0000°,Azm57.0000°; P -4.7800,Plg8.0000°,Azm189.0000° M_o4.90000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.1km az=136.8.
IDC Error ellipse: s-maj=20.2km s-min=7.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=61.0.
AUST Error ellipse: s-maj=1.1km s-min=0.8km az=3.0.
ISC IV 08 15 36 52.5–.92 3.42S–.10 126.60E–.07 200 3.8b 18 2-63
IDC IV 08 15 36 50.5–5.0 3.48S 128.05E 124–47 3.7,3.5 **¶15153609**
AUST IV 08 15 36 53.0–.01 3.52S 126.55E 203–0 3.7,3.5
DJA IV 08 15 36 53.4–1.4 4S–5.0 126E–8.0 10 5.4b,4.8
ISC Event type ke.
IDC IV 16 14 01 38.5–1.8 3.07S 126.82E 0 3.6,3.5b
¶16152845
IDC Error ellipse: s-maj=111.6km s-min=24.2km az=68.0.
IDC IV 16 16 12 13.3–1.8 3.31S 126.42E 0 3.6,3.4
¶16152848
IDC Error ellipse: s-maj=161.7km s-min=25.5km az=65.0.
IDC V 16 14 07 09.0–1.8 3.34S 126.32E 0 3.7,3.5
¶16155809
IDC Error ellipse: s-maj=155.1km s-min=25.5km az=64.0.
IDC V 22 15 45 39.1–2.5 3.59S 126.24E 0 3.3,3.3L
¶16156026
IDC Error ellipse: s-maj=362.5km s-min=26.8km az=64.0.
IDC V 29 13 00 49.6–1.5 3.61S 126.79E 0 4.2,4.1
¶16156311
IDC Error ellipse: s-maj=52.9km s-min=29.5km az=69.0.

(272) Seram.

IDC I 09 08 57 20.6–2.6 3.14S 130.54E 0 4.1,3.9b
DJA I 09 08 57 29 3.11S 130.30E 57 3.9,3.9b **¶12080824**
IDC Error ellipse: s-maj=139.8km s-min=26.2km az=75.0.
IDC I 20 07 12 35.3–2.5 2.82S 129.56E 0 3.6,3.4
¶12081845
IDC Error ellipse: s-maj=178.8km s-min=26.7km az=70.0.
IDC I 23 04 11 11.9–1.7 3.08S 128.26E 0 3.7,3.4b
¶12082098
IDC Error ellipse: s-maj=145.4km s-min=25.8km az=73.0.
IDC I 25 15 35 40.9–1.7 3.86S 128.95E 0 3.4,3.3b
DJA I 25 15 35 18 3.28S 131.60E 380 3.4,3.3b **¶12082315**
IDC Error ellipse: s-maj=138.3km s-min=25.3km az=71.0.
ISC I 25 17 09 32.4–.40 3.21S–.05 130.95E–.05 35 4.6b,3.5s 90 1-153
IDC I 25 17 09 27.6–.66 3.21S 131.02E 0 4.1,4.1 **¶12082321**
BJI I 25 17 09 29.9 2.79S 130.88E 11 4.3b,4.1
ISCJB I 25 17 09 30.5–.28 3.27S–.04 130.88E–.04 33 4.5b,3.5s
DJA I 25 17 09 32 3.17S 130.98E 89 4.7b,3.5s
NEIC I 25 17 09 33.0–1.6 3.29S 130.88E 40–15 4.7b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=14.6km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.2km az=136.1.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.3km az=222.0.
IDC II 05 16 19 42.0–2.1 3.38S 128.31E 0 4.1,3.9
DJA II 05 16 19 45 2.73S 129.21E 20 4.0,3.9 **¶12699608**
IDC Error ellipse: s-maj=151.0km s-min=14.9km az=69.0.
ISC II 11 06 40 20.0–.55 3.21S–.07 128.22E–.05 51 4.0b,3.2s 46 0-126
IDC II 11 06 40 14.1–.77 3.27S 128.06E 0 4.2,4.2b **¶12699955**
DJA II 11 06 40 15 3.22S 128.28E 3 4.3,4.2b
ISCJB II 11 06 40 17.5–.37 3.25S–.05 128.19E–.04 51 4.1b,3.3s
NEIC II 11 06 40 22.4–2.1 3.36S 128.20E 68–21 4.2b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=12.2km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=23.5.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=8.5km az=46.0.
IDC II 14 02 20 11.3–2.2 3.54S 128.49E 0 3.5,3.4
¶15956025
IDC Error ellipse: s-maj=148.2km s-min=29.4km az=68.0.
ISC II 19 10 29 07.6–.81 3.98S–.08 130.55E–.06 35 3.8b 14 1-70
IDC II 19 10 29 02.9–1.5 3.86S 130.54E 0 4.0,3.9 **¶12701230**
ISCJB II 19 10 29 05.9–.56 3.97S–.05 130.47E–.06 33 3.7b,3.9
DJA II 19 10 29 07.6–.50 4S–5.0 131E–4.0 77–19 4.5b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC II 19 20 09 14.9–.84 3.29S–.06 127.49E–.07 38 3.7b 16 1-64
IDC II 19 20 09 09.7–2.0 3.06S 127.98E 0 3.8,3.6 **¶12701274**
ISCJB II 19 20 09 11.6–.64 3.35S–.06 127.46E–.06 38 3.6b,2.8s
DJA II 19 20 09 11.6–.20 3S–3.0 128E–3.0 76–9 6.5b,6.2
ISC Event type ke.
ISCJB Event type ke.
IDC II 20 22 23 13.2–2.0 3.60S 128.23E 0 3.4,3.3
¶15956842
IDC Error ellipse: s-maj=98.8km s-min=30.2km az=67.0.
IDC II 26 11 18 48.4–2.3 3.94S 128.73E 0 3.4,3.3
¶15957350
IDC Error ellipse: s-maj=176.0km s-min=28.1km az=68.0.
IDC III 01 08 05 27.8–2.4 3.78S 128.53E 0 3.7,3.5L
¶12702171
IDC Error ellipse: s-maj=190.2km s-min=29.0km az=68.0.
ISC III 02 22 59 45.2–.84 3.69S–.08 128.75E–.07 10 11 0-68
ISCJB III 02 22 59 44.0–.69 3.78S–.05 128.81E–.05 10 3.7b **¶12702306**
IDC III 02 22 59 43.5–1.4 3.71S 128.70E 0 3.9,3.8b
DJA III 02 22 59 46.2–1.1 4S–10 129E–5.0 10 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
DJA III 03 01 02 50.3–1.5 3S–16 129E–6.0 10 3.7,3.7
¶15850239
IDC III 13 09 27 34.8–3.0 3.98S 127.64E 0 3.8,3.6L
¶12703153
IDC Error ellipse: s-maj=349.8km s-min=27.2km az=66.0.
IDC III 18 13 26 33.1–3.0 3.42S 127.23E 0 3.3,3.2
¶12703587
IDC Error ellipse: s-maj=364.5km s-min=27.0km az=66.0.
IDC III 20 08 02 46.6–1.8 3.79S 130.37E 0 3.8b,3.8
¶12703793
IDC Error ellipse: s-maj=90.4km s-min=24.0km az=75.0.
IDC III 27 12 09 33.8–2.5 3.21S 130.41E 0 3.8,3.5b
¶12635695
IDC Error ellipse: s-maj=133.7km s-min=26.1km az=74.0.
ISC III 27 21 52 34.9–.46 3.04S–.05 129.50E–.05 28 4.1b,3.2s 66 1-127
IDC III 27 21 52 30.3–.61 3.04S 129.52E 0 4.4L,4.3 **¶15153440**
ISCJB III 27 21 52 32.8–.36 2.99S–.03 129.62E–.04 28 4.3b,3.4s
DJA III 27 21 52 34.3–.20 3S–3.0 130E–2.0 10 5.5b,5.0
AUST III 27 21 52 37.0–.33 3.07S 129.58E 48–0 5.5b,5.0
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=11.8km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=163.5.
AUST Error ellipse: s-maj=0.9km s-min=0.8km az=41.0.
IDC III 28 01 02 21.6–2.3 2.92S 130.31E 0 3.6,3.4
¶12635732
IDC Error ellipse: s-maj=141.1km s-min=27.1km az=71.0.
ISC III 29 03 54 04.7–.95 3.09S–.06 128.33E–.06 51 13 1-64
IDC III 29 03 53 57.7–2.0 2.84S 128.54E 0 3.9,3.8 **¶12635835**
DJA III 29 03 54 03.1–.40 3S–3.0 128E–2.0 10 3.3,3.3
ISCJB III 29 03 54 04.2–.63 3.05S–.05 128.31E–.05 51 3.6b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC III 29 04 50 42.4–.24 2.95S–.03 129.48E–.03 28 4.8b,3.7s 233 1-158
MOS III 29 04 50 39.5–1.2 3.08S 129.33E 25 4.8b,3.7s **¶15153462**
NEIC III 29 04 50 40.0–3.4 3.08S 129.35E 17–21 4.8b,3.7s
ISCJB III 29 04 50 40.1–.18 3.02S–.03 129.52E–.03 28 4.7b,3.8s
IDC III 29 04 50 42.6–4.0 3.09S 129.33E 33–29 4.6,4.5b
BJI III 29 04 50 42.7 3.20S 129.40E 54 4.9s,4.9b
AUST III 29 04 50 43.0–.94 3.16S 129.43E 31–0 4.9s,4.9b
DJA III 29 04 50 43.6–.30 3S–3.0 130E–2.0 25 5.4b,5.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 02 03 04 04.9–2.6 2.57S 129.48E 0 3.3,3.2
¶16152253
IDC Error ellipse: s-maj=189.8km s-min=27.2km az=69.0.
IDC IV 04 15 01 01.5–2.4 3.95S 128.08E 0 2.7b
¶16152372
IDC Error ellipse: s-maj=220.7km s-min=28.2km az=67.0.
ISC IV 06 01 59 12.0–.61 3.03S–.05 130.16E–.06 25 4.0b 30 2-150
ISCJB IV 06 01 59 10.6–.45 3.07S–.03 130.08E–.06 25 3.8b **¶15153579**
DJA IV 06 01 59 10.1–3.1 3S–13 130E–8.0 150–66 3.9,3.9
AUST IV 06 01 59 12.6 2.99S 130.01E 35 3.9,3.9
IDC IV 06 01 59 17.1–3.8 3.16S 130.10E 75–33 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.0km az=1.1.
IDC Error ellipse: s-maj=37.9km s-min=11.3km az=70.0.
ISC IV 06 04 06 08.6–.55 3.54S–.05 127.38E–.06 42 4.2b 39 0-126
DJA IV 06 04 06 06.0–.30 3S–3.0 127E–2.0 10 5.2b,5.2b **¶12934682**
ISCJB IV 06 04 06 06.7–.37 3.55S–.04 127.33E–.04 42 4.2b,3.8s
IDC IV 06 04 06 09.6–3.5 3.52S 127.31E 50–31 4.2,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.4km az=38.4.
IDC Error ellipse: s-maj=23.3km s-min=10.6km az=76.0.
ISC IV 10 05 40 32.6–.30 3.13S–.03 127.51E–.03 63–2 5.0b 397 0-161
AUST IV 10 05 40 24.2–.44 3.04S 127.58E 0–0 5.0b **¶15153643**
BJI IV 10 05 40 24.6 3.89S 127.95E 68 5.3b,5.0b
IDC IV 10 05 40 26.8–2.0 3.19S 127.38E 18–11 4.9L,4.7
MOS IV 10 05 40 27.2–1.3 3.07S 127.45E 33 5.2b,4.7
ISCJB IV 10 05 40 28.8–.39 3.08S–.02 127.57E–.02 47–3 4.9b,4.6s
DJA IV 10 05 40 29.5–.40 3S–2.0 128E–1.0 15–4 6.0,6.0b
GCMT IV 10 05 40 30.2–.20 2.88S 127.46E 27–0 5.4W,6.0b
NEIC IV 10 05 40 32.3–1.1 3.12S 127.50E 63–11 5.0b,6.0b
ISC Event type se.
AUST Error ellipse: s-maj=0.8km s-min=0.7km az=3.0.
IDC Error ellipse: s-maj=20.8km s-min=7.5km az=72.0.
MOS Error ellipse: s-maj=14.2km s-min=5.8km az=116.7.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.2km az=142.4.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s83,c131; s82,c135; Moment tensor: Scale 10^{17}Nm; M_{rr}0.64±.02 $M_{\theta\theta}$-0.67±.02; $M_{\phi\phi}$0.04±.02; $M_{r\theta}$-0.76±.04; $M_{\theta\phi}$0.55±.02; $M_{\theta r}$1.04±.06; Best double couple: NP1:ϕ_s89.00000°,δ23.00000°,λ39.00000°. NP2:ϕ_s322.00000°,δ76.00000°,λ108.00000°. Principal axes: T 1.4600,Plg56.0000° ,Azm254.0000°; N 0.1500,Plg17.0000°,Azm137.0000°; P -1.6100,Plg29.0000°,Azm37.0000° M_o1.50000×10^{17}
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.9km az=58.0.
ISC IV 10 05 59 28.2–2.1 3.2S–.20 127.2E–.10 35 5 0-64
IDC IV 10 05 59 03.7–2.1 1.06S 127.98E 0 3.6L,3.4 **¶16152616**
DJA IV 10 05 59 25.8–1.1 3S–16 127E–13 38–17 3.0,3.0
ISC Event type ke.
ISC IV 10 06 34 34.9–.43 3.10S–.03 127.35E–.04 42 4.2b 71 0-125
ISCJB IV 10 06 34 33.1–.28 3.11S–.03 127.44E–.03 42 4.2b **¶15153649**
DJA IV 10 06 34 34.4–.20 3S–3.0 127E–2.0 10 4.9b,4.8b
AUST IV 10 06 34 35.9–.01 3.08S 127.54E 63–0 4.9b,4.8b
NEIC IV 10 06 34 37.8–1.7 3.18S 127.43E 73–16 4.4b,4.8b
IDC IV 10 06 34 38.0–2.6 3.17S 127.30E 75–24 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.4km az=164.5.
AUST Error ellipse: s-maj=1.0km s-min=0.8km az=10.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=6.4km az=57.0.
IDC Error ellipse: s-maj=23.7km s-min=8.7km az=67.0.
IDC IV 10 21 31 38.3–2.3 3.40S 129.02E 0 5.3L,3.6
¶16152639
IDC Error ellipse: s-maj=174.1km s-min=27.2km az=69.0.
ISC IV 13 07 18 24.0–.53 2.86S–.05 129.64E–.06 28 4.0b 34 1-150
IDC IV 13 07 18 20.2–.79 2.86S 129.52E 0 4.2,4.1L **¶15153686**
ISCJB IV 13 07 18 22.2–.53 2.88S–.05 129.52E–.07 28 4.0b,3.4s
DJA IV 13 07 18 23.8–.90 3S–3.0 129E–3.0 4–7 4.3,4.3
AUST IV 13 07 18 27.7 2.99S 129.51E 60 4.3,4.3
ISC Event type ke.

IDC Error ellipse: s-maj=30.2km s-min=16.2km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.7km az=154.1.
DJA IV 14 22 46 31.3–1.1 3S–7.0 130E–8.0 25–16 3.6,3.6
¶15850457
ISC IV 20 17 37 41.9–1.6 3.9S–.20 130.3E–.20 10 5 3-66
AUST IV 20 17 37 06.4 0.01N 133.50E 450 **¶16359982**
IDC IV 20 17 37 40.8–2.5 3.91S 130.10E 0 6.0L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=159.0km s-min=30.0km az=70.0.
IDC IV 21 19 37 24.8–2.6 3.86S 130.09E 0 5.2L,3.3
¶16153225
IDC Error ellipse: s-maj=175.0km s-min=30.4km az=70.0.
ISC IV 22 19 46 44.4–1.2 3.89S–.07 128.9E–.10 100 11 1-65
AUST IV 22 19 46 43.2 3.99S 129.01E 20 **¶15153908**
ISCJB IV 22 19 46 44.9–1.2 3.86S–.05 129.0E–.10 100 3.3b
IDC IV 22 19 46 52.5–4.5 3.98S 128.84E 181–41 3.4,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=5.8km az=16.5.
IDC Error ellipse: s-maj=89.3km s-min=13.7km az=71.0.
ISC IV 28 10 19 33.6–.69 3.01S–.06 130.17E–.06 25 4.0b 26 1-69
IDC IV 28 10 19 29.3–1.4 2.92S 130.38E 0 4.3,4.1 **¶15154004**
ISCJB IV 28 10 19 32.0–.45 3.06S–.04 130.14E–.05 25 4.0b,4.1
AUST IV 28 10 19 36.0–.01 2.99S 130.17E 58–0 4.0b,4.1
DJA IV 28 10 19 35.6–1.0 3S–4.0 130E–3.0 53–37 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC V 03 23 35 53.9–.84 2.87S–.08 129.55E–.08 28 4.1b 18 2-69
IDC V 03 23 35 49.3–1.3 2.87S 129.49E 0 4.2,4.0 **¶15154088**
ISCJB V 03 23 35 51.8–.62 2.95S–.06 129.51E–.07 28 4.0b,3.0s
AUST V 03 23 35 55.3–.01 2.86S 129.62E 49–0 4.0b,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=109.6km s-min=19.3km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=8.0km az=164.7.
AUST Error ellipse: s-maj=1.0km s-min=0.9km az=329.0.
AUST V 06 06 23 01.0 2.49S 129.01E 35
¶16360084
IDC V 07 10 21 04.6–2.8 3.92S 129.50E 0 3.6,3.4
¶16155481
IDC Error ellipse: s-maj=201.1km s-min=30.4km az=69.0.
IDC V 09 23 33 48.6–2.1 3.03S 130.06E 0 4.0,3.8
¶16155561
IDC Error ellipse: s-maj=167.7km s-min=23.9km az=68.0.
ISC V 10 04 44 16.9–.43 3.02S–.05 129.26E–.05 28 4.4b 87 1-154
IDC V 10 04 44 12.2–.80 2.98S 129.40E 0 4.5,4.4 **¶15154244**
ISCJB V 10 04 44 14.6–.29 3.03S–.04 129.35E–.04 28 4.3b,3.2s
NEIC V 10 04 44 16.0–4.0 3.02S 129.44E 26–28 4.4b,3.2s
DJA V 10 04 44 16.8–1.1 3S–5.0 129E–3.0 16–12 5.4b,4.8
AUST V 10 04 44 22.6–.32 3.34S 129.14E 78–0 5.4b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=15.2km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.6km az=141.4.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=6.5km az=53.0.
AUST Error ellipse: s-maj=1.2km s-min=0.7km az=34.0.
ISC V 10 05 39 16.9–1.1 3.4S–.10 127.43E–.09 42 3.2b 9 0-68
IDC V 10 05 39 12.4–1.7 3.11S 127.89E 0 3.8,3.6 **¶13678646**
DJA V 10 05 39 14.0–1.6 4S–10 127E–7.0 10 3.7,3.7
ISCJB V 10 05 39 16.2–.90 3.23S–.10 127.50E–.07 42 3.4b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC V 11 09 50 15.9–.55 3.64S–.05 130.63E–.04 31 4.0b,3.2s 52 2-129
IDC V 11 09 50 12.0–.89 3.79S 130.33E 0 4.3,4.2 **¶15154263**
DJA V 11 09 50 14.8–1.4 3S–6.0 131E–4.0 4–11 4.1,4.1
ISCJB V 11 09 50 14.1–.42 3.71S–.04 130.48E–.06 31 4.0b,3.4s
AUST V 11 09 50 15.1–2.0 3.68S 130.72E 23–0 4.0b,3.4s
NEIC V 11 09 50 17.2–.51 3.78S 130.29E 35 4.3b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=12.8km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.3km az=159.2.
AUST Error ellipse: s-maj=0.9km s-min=0.9km az=317.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.3km az=55.0.
IDC V 12 00 28 46.4–2.3 2.99S 130.16E 0 4.0,3.8
¶16155656
IDC Error ellipse: s-maj=111.7km s-min=27.5km az=74.0.
ISC V 21 14 32 30.9–1.2 3.5S–.10 129.0E–.10 35 9 3-65
ISCJB V 21 14 32 28.6–.90 3.54S–.08 128.94E–.10 33 3.9b,3.2s **¶15154455**
IDC V 21 14 32 28.4–2.5 3.48S 130.44E 0 4.0,3.8
AUST V 21 14 32 31.8–.02 3.33S 129.02E 70–0 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=11.9km az=11.1.
IDC Error ellipse: s-maj=133.1km s-min=27.3km az=74.0.
AUST Error ellipse: s-maj=1.3km s-min=1.2km az=43.0.
ISC V 22 10 14 30.0–.57 3.83S–.04 128.60E–.04 140–5 4.0b 87 0-149
AUST V 22 10 14 27.7 3.99S 128.51E 100 4.0b **¶15154474**
ISCJB V 22 10 14 28.7–.35 3.80S–.03 128.60E–.04 141–4 3.9b
IDC V 22 10 14 31.8–2.5 3.84S 128.52E 153–24 4.0,3.9
DJA V 22 10 14 32.0–.60 4S–5.0 129E–2.0 104–5 4.7b,4.6
NEIC V 22 10 14 32.5–1.8 3.87S 128.50E 162–18 4.6b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.5km az=153.8.
IDC Error ellipse: s-maj=27.2km s-min=10.3km az=71.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.6km az=56.0.
ISC V 23 18 22 16.2–1.1 3.3S–.10 128.46E–.06 10 13 0-64
DJA V 23 18 22 10.6–.60 4S–6.0 128E–3.0 101–5 6.0b,5.6 **¶13679482**
ISCJB V 23 18 22 14.5–.68 3.21S–.07 128.43E–.05 10 3.1b,5.6
IDC V 23 18 22 16.4–2.2 3.30S 128.41E 0 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.2km az=29.7.
IDC Error ellipse: s-maj=180.4km s-min=26.7km az=68.0.
IDC V 23 22 17 28.1–4.2 3.54S 128.43E 192–44 3.8,3.6
¶16156064
IDC Error ellipse: s-maj=118.0km s-min=15.6km az=69.0.
ISC V 24 14 44 42.1–.40 3.05S–.03 128.26E–.04 56–3 4.3b,4.0s 143 1-150
IDC V 24 14 44 34.6–.53 3.08S 127.99E 0 4.3,4.3L **¶15154893**
BJI V 24 14 44 37.1 3.31S 128.48E 46 4.9b,4.7b
NEIC V 24 14 44 40.5–1.4 3.04S 128.26E 43–13 4.6b,4.7b
DJA V 24 14 44 40.4–.70 3S–2.0 128E–2.0 13–6 5.2b,5.2
ISCJB V 24 14 44 40.4–.36 3.03S–.03 128.29E–.03 57–4 4.3b,3.9s
AUST V 24 14 44 41.2–.26 3.01S 128.34E 48–0 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=9.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.8km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.4km az=153.4.
AUST Error ellipse: s-maj=0.7km s-min=0.7km az=3.0.
ISC V 29 00 58 37.3–.25 3.91S–.03 127.53E–.03 50–1 5.8b,4.8s 1204 1-163
BJI V 29 00 58 29.6 4.58S 128.03E 53 5.7b,5.6b **¶15155569**
MOS V 29 00 58 34.7–.96 3.78S 127.42E 33 6.0b,5.6b
ISCJB V 29 00 58 35.5–.33 3.84S–.02 127.59E–.02 46–3 5.8b,4.8s
IDC V 29 00 58 35.6–1.5 3.90S 127.40E 33–10 5.5,5.5
AUST V 29 00 58 36.6–.50 3.96S 127.60E 34–0 5.5,5.5
NEIC V 29 00 58 36.4–.53 3.91S 127.46E 41–4 5.8b,5.5
GCMT V 29 00 58 36.2–.10 3.88S 127.57E 16–0 5.4W,5.5
DJA V 29 00 58 36.8–.30 4S–2.0 128E–1.0 28–3 6.1b,5.8b
TEH V 29 00 58 38.0 3.86S 127.54E 56 5.7L,5.8b
ISC Event type fe.
MOS Error ellipse: s-maj=9.4km s-min=4.7km az=113.3.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.8km az=142.2.
IDC Error ellipse: s-maj=15.0km s-min=8.9km az=71.0.
AUST Error ellipse: s-maj=0.5km s-min=0.4km az=29.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=62.0. Felt [IV] on Ambon.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=214, per= 50. Moment Tensor Solution. s93,c157; s2,c3; Moment tensor: Scale 10^{17}Nm; M_{rr}1.84±.03 $M_{\theta\theta}$-1.72±.02; $M_{\phi\phi}$-0.11±.02; $M_{r\theta}$0.37±.06; $M_{\theta\phi}$0.15±.02; $M_{\phi r}$0.21±.07; Best double couple: NP1:ϕ_{ϕ}282.00000°,δ40.00000°,λ100.00000°. NP2:ϕ_{θ}88.00000°,δ51.00000°,λ81.00000°. Principal axes: T 1.9000,Plg81.0000°,Azm314.0000°; N -0.1300,Plg7.0000°,Azm94.0000° ; P -1.7700,Plg6.0000°,Azm184.0000° $M_0$1.80000×10^{17}
IDC VI 02 04 50 05.7–2.2 3.10S 129.41E 0 3.9,3.7
¶16066197
IDC Error ellipse: s-maj=113.5km s-min=19.8km az=71.0.
IDC VI 04 18 11 44.0–2.4 3.04S 129.68E 0 3.8,3.6
¶16100956
IDC Error ellipse: s-maj=135.4km s-min=25.6km az=73.0.
IDC VI 07 03 07 21.4–1.6 2.94S 129.97E 0 3.9,3.7
¶16101045
IDC Error ellipse: s-maj=99.5km s-min=22.0km az=75.0.
IDC VI 15 08 45 10.4–2.1 3.48S 129.45E 0 4.0,3.8
¶16101352
IDC Error ellipse: s-maj=164.3km s-min=25.1km az=70.0.
IDC VI 20 01 38 38.9–4.8 3.26S 129.06E 54–42 4.1L,4.0
¶16101517
IDC Error ellipse: s-maj=59.0km s-min=14.5km az=73.0.
ISC VI 20 17 37 06.2–.77 3.71S–.07 127.47E–.07 42 4.1b 19 2-150
ISCJB VI 20 17 37 04.0–.66 3.72S–.05 127.63E–.08 42 3.9b **¶13681735**
DJA VI 20 17 37 06.5–.40 4S–4.0 128E–4.0 25 5.0b,4.7b
IDC VI 20 17 37 08.7–3.9 3.69S 127.69E 72–37 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=7.7km az=4.4.
IDC Error ellipse: s-maj=37.1km s-min=18.9km az=70.0.
IDC VI 21 05 36 40.5–3.9 2.95S 130.36E 48–38 4.2L,4.0
¶16101560
IDC Error ellipse: s-maj=50.6km s-min=11.7km az=79.0.
IDC VI 22 15 11 51.3–2.5 3.36S 130.56E 0 3.7,3.5
¶16101612
IDC Error ellipse: s-maj=133.4km s-min=26.4km az=75.0.
IDC VI 23 11 32 29.1–2.2 3.65S 128.29E 0 4.2,4.0
¶16101649
IDC Error ellipse: s-maj=167.7km s-min=27.6km az=67.0.
ISC VI 25 07 54 42.1–.33 3.10S–.04 127.78E–.04 38 4.6b,4.0s 146 1-150
BJI VI 25 07 54 37.2 3.69S 127.65E 35 5.1b,4.7s **¶13256743**
MOS VI 25 07 54 39.4–1.0 3.02S 127.88E 33 4.8b,4.7s
ISCJB VI 25 07 54 40.6–.26 3.05S–.03 127.77E–.03 38 4.5b,4.0s
DJA VI 25 07 54 41.2–.60 3S–3.0 128E–2.0 10 5.3b,4.9b
NEIC VI 25 07 54 41.5–.29 3.00S 127.88E 35 4.8b,4.9b
IDC VI 25 07 54 43.0–3.0 3.09S 127.83E 49–28 4.1,4.0
ISC Event type se.
MOS Error ellipse: s-maj=21.1km s-min=8.5km az=115.5.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=141.1.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.9km az=65.0.
IDC Error ellipse: s-maj=26.5km s-min=9.8km az=74.0.
ISC VI 27 01 02 36.9–1.3 3.3S–.10 129.88E–.10 25 10 1-31
AUST VI 27 01 02 38.9–.03 3.40S 129.69E 35–0 **¶15156288**
IDC VI 27 01 02 40.4–15 3.61S 130.93E 0 4.1,3.9
ISC Event type ke.
AUST Error ellipse: s-maj=1.4km s-min=1.1km az=14.0.
IDC Error ellipse: s-maj=225.2km s-min=103.9km az=149.0.

SEISMIC REGION 24.
Sunda Arc.

(273) Southwest of Sumatera.
IDC I 02 10 51 01.7–3.5 4.04S 100.61E 0 3.7,3.6b
¶12079818
IDC Error ellipse: s-maj=145.5km s-min=25.5km az=58.0.
IDC I 03 06 32 49.1–2.9 0.09S 96.45E 0 4.4L,3.8
¶12079878
IDC Error ellipse: s-maj=110.5km s-min=21.1km az=60.0.
IDC I 19 18 12 23.0–4.2 4.05S 100.93E 0 3.4,3.3b
¶12081785
IDC Error ellipse: s-maj=162.6km s-min=27.3km az=59.0.
IDC I 26 20 45 59.7–55 3.33S 96.91E 0 3.7b,3.7
¶12082409
IDC Error ellipse: s-maj=1102.0km s-min=169.0km az=176.0.
IDC I 31 06 45 01.7–3.9 0.68S 97.13E 0 4.3L,3.8
¶12082794
IDC Error ellipse: s-maj=134.3km s-min=72.0km az=72.0.
IDC II 01 20 18 03.8–8.1 3.24S 98.93E 0 3.4,3.4
¶15954840
IDC Error ellipse: s-maj=179.1km s-min=101.7km az=135.0.
IDC II 05 16 01 51.8–4.3 1.01S 97.71E 0 3.6,3.4
DJA II 05 16 01 55 0.34S 98.01E 211 3.4,3.4 **¶12699606**
IDC Error ellipse: s-maj=169.5km s-min=24.6km az=58.0.
IDC II 14 07 15 37.1–2.8 6.33S 103.66E 0 4.0,3.9
¶15956036
IDC Error ellipse: s-maj=97.4km s-min=26.1km az=52.0.
IDC II 22 14 02 31.5–5.2 8.30S 102.24E 0 3.5,3.3
¶15956944
IDC Error ellipse: s-maj=206.7km s-min=23.4km az=52.0.
IDC II 23 06 21 55.8–4.8 6.15S 102.94E 0 3.6,3.6
¶15957041
IDC Error ellipse: s-maj=176.9km s-min=64.2km az=50.0.
ISC II 25 18 40 37.0–1.5 6.03S–.10 103.99E–.10 60–12 4.5b 57 1-156
IDC II 25 18 40 28.9–.70 5.99S 103.83E 0 4.3,4.2 **¶12054406**
ISCJB II 25 18 40 37.1–.86 5.94S–.08 104.05E–.08 76–6 4.1b,4.2
DJA II 25 18 40 38 5.97S 104.10E 10 4.3,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=13.0km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=4.9km az=43.8.
IDC II 27 11 01 51.0–3.6 6.44S 103.66E 50–8 3.5,3.3
¶15957446
IDC Error ellipse: s-maj=159.2km s-min=17.0km az=53.0.
IDC III 30 06 28 06.6–1.9 6.22S 103.86E 50–6 3.8,3.7b
¶12635918
IDC Error ellipse: s-maj=79.9km s-min=14.0km az=55.0.
ISC IV 01 06 29 40.2–.37 6.02S–.03 101.88E–.04 34–1 5.3b,5.1s 686 2-176
BJI IV 01 06 29 31.6 6.91S 101.82E 35 5.5s,5.4b **¶15153500**
IDC IV 01 06 29 35.0–.33 5.98S 102.05E 0 5.0,5.0
ISCJB IV 01 06 29 36.7–.75 6.01S–.02 101.86E–.02 20–5 5.3b,5.1s
AUST IV 01 06 29 36.3–1.0 6.05S 101.80E 8–0 5.3b,5.1s
DJA IV 01 06 29 38.8–.80 6S–2.0 102E–2.0 15–7 6.3,6.0
MOS IV 01 06 29 39.0–1.0 5.91S 101.99E 33 5.5b,5.0s
GCMT IV 01 06 29 40.3–.20 6.09S 101.82E 29–1 5.6W,5.0s
TEH IV 01 06 29 40.0 6.07S 101.84E 35 5.5L,5.0s
NEIC IV 01 06 29 40.4–.14 5.96S 101.91E 35 5.3b,5.2s
ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=8.2km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=37.6.
AUST Error ellipse: s-maj=0.9km s-min=0.5km az=233.0.
MOS Error ellipse: s-maj=11.0km s-min=5.2km az=116.1.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 96, comp=158, per= 50. Moment Tensor Solution. s59,c73; s14,c14; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.44±.08 $M_{\theta\theta}$-0.46±.07; $M_{\phi\phi}$0.89±.07; $M_{r\theta}$-0.20±.12; $M_{\theta\phi}$-2.85±.06; $M_{\phi r}$-0.85±.13; Best double couple: NP1:ϕ_{ϕ}97.00000°,δ73.00000°,λ-175.00000°. NP2:ϕ_{θ}6.00000°,δ85.00000°,λ-17.00000°. Principal axes: T 3.2300,Plg9.0000°,Azm53.0000°; N -0.3200,Plg72.0000°,Azm170.0000° ; P -2.9100,Plg16.0000°,Azm320.0000° $M_0$3.10000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.6km az=52.0. Felt [IV] at Bengkulu and [III] at Manna.
ISC IV 04 16 13 51.6–1.6 5.5S–.10 101.9E–.10 29 3.3b 8 2-55
IDC IV 04 16 13 49.6–4.5 5.21S 101.76E 0 3.5,3.3 **¶12934458**
ISCJB IV 04 16 13 51.0–1.8 5.63S–.10 101.9E–.10 29 3.3b,3.3
DJA IV 04 16 14 02.7–1.6 6S–7.0 103E–10 12–11 3.2,3.2
ISC Event type ke.
ISCJB Event type ke.
IDC IV 10 03 48 40.7–4.4 4.03S 100.84E 0 3.6,3.6
¶16152615

IDC Error ellipse: s-maj=186.6km s-min=27.3km az=58.0.
ISC IV 13 23 14 18.5–.71 3.85S–.08 99.71E–.09 35 4.2b 55 2-146
IDC IV 13 23 14 13.5–1.0 3.87S 99.60E 0 4.2,4.1 ¶12935155
ISCJB IV 13 23 14 16.8–.50 3.77S–.05 99.79E–.06 33 4.2b,3.1s
NEIC IV 13 23 14 18.8–.40 3.83S 99.67E 35 4.2b,3.1s
DJA IV 13 23 14 22.3–.90 2S–37 103E–47 253–35 4.3b,4.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IV 15 20 15 38.4–1.6 3.47S 99.99E 25–5 3.5,3.4
¶16152822
IDC Error ellipse: s-maj=64.2km s-min=22.7km az=51.0.
IDC IV 16 01 52 28.3–4.1 3.24S 99.96E 0 3.7,3.6
¶16152831
IDC Error ellipse: s-maj=181.6km s-min=28.1km az=57.0.
ISC IV 16 01 59 30.0–.84 6.71S–.07 102.72E–.08 24 4.1b 27 1-146
IDC IV 16 01 59 26.2–1.3 6.67S 102.73E 0 4.0,4.0 ¶12935387
ISCJB IV 16 01 59 27.0–.70 6.86S–.05 102.56E–.06 24 4.0b,4.0
DJA IV 16 01 59 29.8–1.4 7S–8.0 103E–8.0 12–19 5.3b,4.9b
ISC Event type ke.
ISCJB Event type ke.
ISC V 10 08 58 24.0–.31 5.53S–.03 101.13E–.04 27–1 4.9s,4.9b 459 1-175
ISCJB V 10 08 58 19.5–.79 5.51S–.03 101.11E–.03 8–4 4.9s,4.9b ¶15154243
MOS V 10 08 58 23.5–1.5 5.37S 101.26E 33 5.2b,4.8s
AUST V 10 08 58 24.2 5.32S 101.43E 0 5.2b,4.8s
GCMT V 10 08 58 24.1–.20 5.46S 101.02E 12 5.2W,4.8s
NEIC V 10 08 58 24.3–.20 5.44S 101.14E 31 5.1b,4.8s
IDC V 10 08 58 24.3–.46 5.30S 101.21E 30–2 4.7,4.7s
BJI V 10 08 58 24.2 5.50S 101.10E 25 5.5s,5.3b
DJA V 10 08 58 25.5–.40 5S–3.0 101E–3.0 43–5 5.6b,5.5
TEH V 10 08 58 25.0 5.53S 101.09E 35 5.1L,5.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.9km az=34.2.
MOS Error ellipse: s-maj=10.8km s-min=5.9km az=105.2.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s34,c51; s78,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}3.75±.15 $M_{\theta\theta}$-4.37±.13; $M_{\phi\phi}$0.62±.17; $M_{r\theta}$4.07±.37; $M_{\theta\phi}$5.00±.12; $M_{\phi r}$1.84±.43; Best double couple: NP1:ϕ_s337.00000°,δ48.00000°,λ152.00000°. NP2:ϕ_s87.00000°,δ70.00000°,λ46.00000°. Principal axes: T 7.6500,Plg46.0000° ,Azm312.0000°; N 0.4000,Plg41.0000°,Azm106.0000°; P -8.0500,Plg13.0000° ,Azm208.0000° $M_0$7.90000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=57.0. Felt at Bengkulu.
IDC Error ellipse: s-maj=14.2km s-min=8.9km az=49.0.
ISC VI 02 01 32 33.6–.36 3.32S–.03 99.94E–.04 35–1 4.8b,4.0s 364 2-157
BJI VI 02 01 32 27.9 3.90S 100.02E 40 4.9b,4.9b ¶12872808
IDC VI 02 01 32 28.6–.43 3.21S 100.01E 0 4.7,4.6
ISCJB VI 02 01 32 29.6–.82 3.26S–.03 99.98E–.03 17–5 4.8b,4.1s
MOS VI 02 01 32 30.8–1.1 3.14S 100.04E 25 5.0b,4.1s
DJA VI 02 01 32 32.7–.90 3S–2.0 100E–3.0 15–8 5.5,5.4b
NEIC VI 02 01 32 33.8–.21 3.24S 100.05E 35 4.9b,5.4b
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=8.7km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.7km az=141.1.
MOS Error ellipse: s-maj=11.0km s-min=5.7km az=110.8.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.5km az=71.0.
IDC VI 08 21 51 22.6–2.2 0.15S 97.48E 0 3.8,3.8L
¶16101120
IDC Error ellipse: s-maj=77.9km s-min=20.6km az=58.0.
DJA VI 11 05 23 59.8–1.3 6S–9.0 104E–7.0 25–18 4.0,4.0
¶15853028
ISC VI 22 06 15 29.7–.59 7.06S–.07 103.59E–.08 20 4.4b,3.5s 61 2-149
IDC VI 22 06 15 25.9–.93 7.19S 103.41E 0 4.4,4.3 ¶13681821
ISCJB VI 22 06 15 27.6–.47 7.09S–.05 103.53E–.05 20 4.4b,3.4s
NEIC VI 22 06 15 31.7–.41 7.10S 103.57E 35 4.6b,3.4s
DJA VI 22 06 15 33.8–1.5 7S–17 104E–12 88–49 4.7,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VI 28 22 17 30.8–.91 7.41S–.09 104.60E–.08 35 3.8b 26 2-146
IDC VI 28 22 17 25.7–1.3 7.32S 104.55E 0 3.9,3.9 ¶13682220
ISCJB VI 28 22 17 28.3–.68 7.48S–.06 104.55E–.05 33 3.8b,3.9
DJA VI 28 22 17 32.1–.60 7S–6.0 105E–5.0 40–27 4.6b,4.5
ISC Event type ke.
ISCJB Event type ke.

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ISC I 01 16 57 56.7–.30 4.32S–.03 101.23E–.04 42–1 5.3b,5.1s 1181 2-176
BJI I 01 16 57 49.9 4.90S 101.24E 40 5.6b,5.5s ¶13404540
IDC I 01 16 57 50.2–.38 4.26S 101.34E 0 5.2,5.2
NEIC I 01 16 57 53.1–.19 4.33S 101.30E 19 5.4b,5.3W
DJA I 01 16 57 53 4.41S 101.11E 21 5.3W,5.3W
MOS I 01 16 57 54.3–1.1 4.19S 101.37E 33 5.5b,5.0s
ISCJB I 01 16 57 54.8–.47 4.29S–.03 101.25E–.03 39–3 5.3b,5.1s
SZGRF I 01 16 58 12.8 1.51S 98.85E 33 5.1s,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=7.7km az=46.0.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=5.0km az=59.0. Felt [III] at Kapahiang and [II] at Bengkulu. Moment Tensor Solution. s58 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s343.00000° ,δ31.00000°,λ110.00000°. NP2:ϕ_s140.00000°,δ61.00000°,λ78.00000°. Principal axes: T 1.1100,Plg71.0000°,Azm22.0000°; N 0.2600,Plg10.0000°,Azm145.0000° ; P -1.3700,Plg15.0000°,Azm238.0000° $M_0$1.30000×10^{17}
MOS Error ellipse: s-maj=9.4km s-min=4.9km az=112.4.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.2km az=42.9.
SZGRF Southern Sumatera, Indonesia.
IDC I 01 17 12 19.6–3.3 0.76S 98.22E 0 3.6,3.5b
¶12079766
IDC Error ellipse: s-maj=142.6km s-min=20.1km az=56.0.
IDC I 01 17 26 53.4–1.4 4.02S 101.74E 0 4.1,4.0b
¶12079768
IDC Error ellipse: s-maj=47.8km s-min=16.9km az=54.0.
ISC I 01 18 37 24.2–.32 4.37S–.04 101.16E–.05 27–1 5.1b,4.4s 483 2-153
BJI I 01 18 37 20.2 4.67S 101.34E 39 5.2b,5.1b ¶11526038
IDC I 01 18 37 24.4–.51 4.30S 101.28E 26–2 4.8,4.8
NEIC I 01 18 37 24.1–.24 4.33S 101.24E 26 5.3b,4.8
MOS I 01 18 37 24.8–.98 4.18S 101.35E 41 5.3b,4.4s
DJA I 01 18 37 24 4.43S 101.05E 27 5.2b,4.4s
ISCJB I 01 18 37 24.3–.60 4.32S–.03 101.20E–.03 40–4 5.1b,4.4s
ISC Event type fe.
NEIC Event type fe. Felt [III] at Kapahiang and [II] at Bengkulu.
ISCJB Event type fe.
IDC I 04 17 13 53.2–11 0.41S 100.49E 0 3.7L,3.6b
DJA I 04 17 14 18 0.26N 100.32E 164 3.2,3.6b ¶12080248
IDC Error ellipse: s-maj=290.6km s-min=68.5km az=122.0.
IDC I 04 22 00 03.1–1.5 2.13S 99.56E 0 4.2,4.1b
DJA I 04 22 00 05 2.17S 99.42E 20 4.4,4.1b ¶12080295
IDC Error ellipse: s-maj=54.4km s-min=16.7km az=60.0.
ISC I 05 16 54 43.6–.36 3.56S–.04 100.65E–.04 28–1 5.2b,4.9s 572 2-157
BJI I 05 16 54 36.9 4.09S 100.74E 27 5.4b,5.3s ¶11528547
IDC I 05 16 54 39.2–.47 3.55S 100.73E 0 5.1L,5.0
DJA I 05 16 54 42 3.66S 100.48E 21 5.1W,5.0
MOS I 05 16 54 43.1–1.1 3.39S 100.86E 33 5.4b,4.8s
NEIC I 05 16 54 43.3–.19 3.53S 100.72E 27 5.2b,4.8s
ISCJB I 05 16 54 43.3–.55 3.54S–.03 100.70E–.03 39–4 5.2b,4.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 06 20 51 21.2–4.0 4.29S 103.50E 0 3.7,3.5b
DJA I 06 20 51 26 4.92S 102.88E 34 3.6,3.5b ¶12080550
IDC Error ellipse: s-maj=226.9km s-min=25.4km az=53.0.
IDC I 09 05 13 29.1–15 3.15S 103.84E 267–140 3.1,2.9b
¶12080808
IDC Error ellipse: s-maj=239.6km s-min=21.7km az=54.0.
ISC I 09 06 54 47.1–.32 2.30S–.04 99.63E–.05 30 5.2b,4.4s 456 2-149
BJI I 09 06 54 39.7 3.00S 99.83E 35 5.1b,5.1b ¶11534440
IDC I 09 06 54 42.8–.52 2.17S 99.79E 0 5.0,4.9
ISCJB I 09 06 54 45.6–.24 2.20S–.03 99.79E–.03 30 5.1b,4.5s
NEIC I 09 06 54 45.1–2.3 2.24S 99.76E 16–13 5.1b,4.5s
MOS I 09 06 54 46.7–1.0 2.02S 99.93E 33 5.4b,4.4s
DJA I 09 06 54 49 2.07S 99.51E 55 5.2b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=11.7km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.2km az=43.9.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.3km az=66.0.
MOS Error ellipse: s-maj=11.4km s-min=5.4km az=108.5.
ISC I 11 19 50 45.4–.67 1.62S–.06 99.60E–.06 30–4 4.7b 134 1-146
IDC I 11 19 50 41.1–.77 1.65S 99.64E 0 4.5L,4.5b ¶11594541
BJI I 11 19 50 42.3 1.67S 99.87E 19 5.2b,4.8s
MOS I 11 19 50 44.6–1.0 1.56S 99.73E 33 4.9b,4.8s
DJA I 11 19 50 44 1.81S 99.48E 10 4.9,4.8s
ISCJB I 11 19 50 45.3–.80 1.70S–.05 99.56E–.07 47–6 4.6b,3.5s
NEIC I 11 19 50 46.4–.48 1.59S 99.73E 35 5.0b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=13.0km az=62.0.
MOS Error ellipse: s-maj=20.4km s-min=9.7km az=109.4.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=5.3km az=145.4.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=7.9km az=58.0.
IDC I 12 05 55 14.2–5.6 5.23S 103.06E 0 3.7b,3.7
DJA I 12 05 55 24 5.39S 103.22E 10 2.9,3.7 ¶12081092
IDC Error ellipse: s-maj=213.6km s-min=67.3km az=50.0.
ISC I 13 13 50 20.5–.77 2.15S–.10 99.46E–.08 30 4.3b 27 2-145
BJI I 13 13 50 15.8 2.30S 99.30E 14 5.0b,4.7b ¶12081191
IDC I 13 13 50 16.0–.94 2.25S 99.35E 0 4.4,4.3
DJA I 13 13 50 21 2.08S 99.46E 26 4.4,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=13.6km az=54.0.
IDC I 13 13 53 45.0–1.5 2.10S 99.51E 0 4.2,4.1
DJA I 13 13 54 03 0.82S 100.65E 58 3.0,4.1 ¶12081192
IDC Error ellipse: s-maj=51.0km s-min=15.1km az=60.0.
IDC I 16 06 00 37.9–3.8 1.98S 102.48E 0 3.7,3.6b
¶12081411
IDC Error ellipse: s-maj=157.3km s-min=23.8km az=58.0.
IDC I 19 14 57 11.5–2.8 4.65S 102.18E 0 3.8,3.7b
¶12081766
IDC Error ellipse: s-maj=122.6km s-min=19.5km az=54.0.
IDC I 20 12 30 24.6–2.9 2.50S 101.52E 0 3.8,3.7b
¶12081866
IDC Error ellipse: s-maj=137.9km s-min=18.0km az=56.0.
ISC I 21 14 25 08.6–.93 2.61S–.10 100.0E–.10 30 4.4b,4.0s 35 2-145
BJI I 21 14 24 55.9 3.66S 100.35E 10 5.1b,4.9s ¶12081975
IDC I 21 14 25 03.0–.68 2.77S 100.10E 0 4.4,4.3b
DJA I 21 14 25 12 2.38S 100.15E 10 4.7,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=12.8km az=58.0.
DJA I 23 13 21 38 5.39S 104.20E 1 3.8
¶12933527
ISC I 26 19 33 07.9–.32 0.41S–.03 98.06E–.04 31–1 5.5s,5.3b 694 2-159
IDC I 26 19 33 03.3–.42 0.31S 98.21E 0 5.5L,5.3s ¶13434017
BJI I 26 19 33 03.3 0.77S 98.18E 35 5.9s,5.8b
NEIC I 26 19 33 04.7–.19 0.35S 98.18E 10 5.4b,5.8b
MOS I 26 19 33 06.9–1.4 0.25S 98.26E 33 5.5b,5.4s
ISCJB I 26 19 33 06.8–.77 0.32S–.03 98.11E–.02 33–5 5.5s,5.2b
DJA I 26 19 33 07 0.30S 98.07E 14 5.4W,5.2b
TEH I 26 19 33 07.0 0.43S 97.92E 35 5.9L,5.2b
SZGRF I 26 19 33 21.0 0.29S 97.83E 33 5.3b,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=9.8km az=37.0.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.4km az=52.0. Felt [II] at Padangpanjang and Payakumbuh.
MOS Error ellipse: s-maj=8.6km s-min=4.7km az=108.6.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.4km az=34.0.
SZGRF Southwest of Sumatera, Indonesia.
IDC I 26 19 42 23.5–2.5 0.46S 98.10E 0 4.3L,3.9
¶12082400
IDC Error ellipse: s-maj=103.9km s-min=19.9km az=58.0.
IDC I 26 20 26 40.2–2.5 0.41S 98.14E 0 3.8L,3.6
DJA I 26 20 26 44 0.40S 98.23E 10 3.6,3.6 ¶12082407
IDC Error ellipse: s-maj=105.8km s-min=21.0km az=58.0.
IDC I 26 22 00 36.1–4.9 5.13S 102.11E 0 3.8,3.6b
DJA I 26 22 00 41 5.13S 101.95E 28 4.1,3.6b ¶12082419
IDC Error ellipse: s-maj=250.5km s-min=21.2km az=53.0.
ISC I 28 00 00 37.9–1.4 0.4S–.20 98.2E–.20 27 4.3b 29 19-144
DJA I 28 00 00 26 0.97S 97.58E 0 6.3 ¶13434047
IDC I 28 00 00 33.6–1.4 0.44S 98.18E 0 5.5s,5.5
NEIC I 28 00 00 35.1–.80 0.45S 98.18E 10 4.4b,5.5
ISCJB I 28 00 00 36.3–1.0 0.4S–.10 98.3E–.20 27 5.3s,4.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC I 28 00 01 15.4–.19 0.32S–.03 98.20E–.03 28 5.7b,5.5s 2139 4-177
BJI I 28 00 01 10.3 0.82S 98.26E 33 6.1b,6.0s ¶13962508
ISCJB I 28 00 01 13.3–.12 0.28S–.02 98.25E–.02 24 5.7b,5.5s
TEH I 28 00 01 14.0 0.38S 98.01E 29 5.8L,5.5s
MOS I 28 00 01 14.3–1.4 0.28S 98.35E 33 6.0b,5.4s
NEIC I 28 00 01 14.6–.12 0.26S 98.28E 20 5.8,5.7b
IDC I 28 00 01 14.4–1.4 0.36S 98.38E 20–7 5.5L,5.5s
SZGRF I 28 00 01 17.6 0.83S 96.95E 33 5.6b,5.4s
DJA I 28 00 01 17 0.30S 98.21E 31 5.6W,5.4s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.6km az=31.8.
MOS Error ellipse: s-maj=10.5km s-min=5.1km az=121.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.3km az=224.0. Felt [III] at Padang and Pasaman. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s130.00000°,δ80.00000°,λ85.00000°. NP2: ϕ_s337.00000°,δ11.00000°,λ116.00000°. Principal axes: T Plg55.0000°,Azm34.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm224.0000° Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}1.44 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-0.88 $M_{r\theta}$2.30 $M_{\theta\phi}$1.22 $M_{\phi r}$-1.38 Best double couple: NP1:ϕ_s341.00000°,δ19.00000°,λ127.00000°. NP2:ϕ_s122.00000° ,δ75.00000°,λ78.00000°. Principal axes: T 3.0200,Plg58.0000°,Azm16.0000° ; N 0.3400,Plg11.0000°,Azm125.0000°; P -3.3600,Plg28.0000°,Azm222.0000° $M_0$3.20000×10^{17}
IDC Error ellipse: s-maj=10.0km s-min=7.1km az=51.0.
SZGRF Southwest of Sumatera, Indonesia.
ISC I 28 00 03 29.0–.49 0.22S–.08 98.39E–.08 10 4.8b 75 12-144
ISCJB I 28 00 03 27.2–.37 0.20S–.06 98.38E–.07 10 5.4s,4.8b ¶12082521
IDC I 28 00 03 27.7–.57 0.22S 98.34E 0 5.3s,5.3
NEIC I 28 00 03 29.0–.26 0.20S 98.42E 10 5.0b,5.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=7.0km az=144.1.
IDC Error ellipse: s-maj=17.4km s-min=14.8km az=49.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.2km az=49.0.
ISC I 28 00 58 56.3–1.6 0.3S–.10 98.4E–.10 10 4.2b 9 2-144
IDC I 28 00 58 49.5–2.1 0.42S 98.30E 0 4.1,4.0b ¶12082524
DJA I 28 00 58 58 0.25S 98.42E 10 4.2,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=77.1km s-min=20.2km az=58.0.
DJA I 28 01 14 05 0.15S 98.36E 10 3.4
¶12933575
IDC I 28 01 18 31.0–3.0 0.57S 98.02E 0 3.7b,3.7
DJA I 28 01 18 37 0.37S 98.38E 10 3.9,3.7 ¶12082526
IDC Error ellipse: s-maj=131.8km s-min=22.6km az=57.0.
ISC I 28 02 39 12.3–.52 0.50S–.05 98.06E–.06 40–2 4.6b,4.2s 150 2-147

IDC I 28 02 39 06.4–.65 0.56S 98.08E 0 4.6L,4.3b ¶11656149
BJI I 28 02 39 08.6 0.97S 98.32E 49 5.0b,4.8s
NEIC I 28 02 39 10.9–.28 0.46S 98.16E 26 4.9b,4.8s
ISCJB I 28 02 39 11.0–.76 0.43S–.05 98.12E–.05 42–6 4.5b,4.2s
DJA I 28 02 39 13 0.31S 98.21E 27 4.9,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=12.6km az=77.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.1km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.0km az=141.1.
IDC I 28 04 19 31.5–5.2 3.18S 100.93E 0 3.5,3.3b
¶12082539

IDC Error ellipse: s-maj=210.0km s-min=30.2km az=54.0.
ISC I 28 19 27 13.7–.81 0.3S–.10 98.2E–.10 27 4.4b 72 5-145
IDC I 28 19 27 09.4–1.0 0.36S 98.19E 0 4.4L,4.2 ¶12082604
BJI I 28 19 27 10.8 0.88S 98.34E 48 4.8b,4.5b
NEIC I 28 19 27 11.0–.50 0.37S 98.21E 10 4.7b,4.5b
DJA I 28 19 27 11 0.36S 98.17E 10 4.7,4.5b
ISCJB I 28 19 27 11.6–.59 0.37S–.08 98.17E–.07 27 4.3b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 29 02 55 07.1–5.9 4.97S 106.22E 0 3.9,3.8b
DJA I 29 02 55 27 6.31S 105.72E 98 3.4,3.8b ¶12082634
IDC Error ellipse: s-maj=197.8km s-min=95.8km az=51.0.
IDC I 29 11 44 02.0–2.8 0.44S 98.18E 0 4.3L,3.8
DJA I 29 11 44 14 0.06N 98.55E 55 3.7,3.8 ¶12082662
IDC Error ellipse: s-maj=111.6km s-min=20.9km az=59.0.
IDC I 29 15 53 44.2–3.2 2.59S 99.05E 0 3.6,3.5
¶12082672

IDC Error ellipse: s-maj=128.3km s-min=21.1km az=57.0.
IDC I 29 23 39 46.5–4.9 2.16S 100.17E 0 3.5,3.4b
¶12082699

IDC Error ellipse: s-maj=190.5km s-min=29.4km az=55.0.
IDC I 31 01 14 51.9–2.1 0.53S 98.02E 0 4.5L,3.9
DJA I 31 01 14 57 0.56S 98.09E 30 3.9,3.9 ¶12082778
IDC Error ellipse: s-maj=78.3km s-min=20.2km az=58.0.
ISC II 02 09 04 33.8–.43 4.67S–.04 102.65E–.05 49–2 5.0b,4.1s 240 0-147
MOS II 02 09 04 30.8–.94 4.48S 102.75E 36 5.1b,4.1s ¶11660444
ISCJB II 02 09 04 32.1–.26 4.73S–.04 102.56E–.04 50 4.9b,4.0s
NEIC II 02 09 04 34.2–.83 4.55S 102.76E 51–8 5.0b,4.0s
DJA II 02 09 04 35 4.69S 102.63E 29 4.9,4.0s
IDC II 02 09 04 40.9–2.9 4.39S 102.95E 106–24 4.5,4.4b
ISC Event type se.
MOS Error ellipse: s-maj=13.6km s-min=6.5km az=106.6.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.6km az=145.5.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.5km az=59.0.
IDC Error ellipse: s-maj=23.1km s-min=9.7km az=49.0.
ISC II 06 03 02 27.0–.47 4.70S–.05 102.63E–.08 68–2 4.7b 194 9-160
MOS II 06 03 02 22.2–1.0 4.49S 102.81E 34 4.9b ¶11667353
ISCJB II 06 03 02 24.4–1.2 4.62S–.05 102.72E–.06 56–11 4.7b,3.9s
BJI II 06 03 02 25.6 4.60S 102.70E 67 5.0b,4.8b
IDC II 06 03 02 25.7–6.0 4.47S 102.82E 49–56 4.3s,4.3b
NEIC II 06 03 02 26.6–.86 4.60S 102.71E 64–8 4.6b,4.3b
DJA II 06 03 02 29 4.65S 102.73E 26 4.6,4.3b
ISC Event type se.
MOS Error ellipse: s-maj=12.5km s-min=7.0km az=112.7.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.1km az=141.9.
IDC Error ellipse: s-maj=29.2km s-min=11.7km az=53.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.0km az=51.0.
IDC II 07 11 23 36.6–4.5 1.20S 103.51E 0 3.7,3.4
¶15955179

IDC Error ellipse: s-maj=256.6km s-min=26.6km az=53.0.
IDC II 07 22 11 33.1–4.4 3.31S 100.02E 0 3.5,3.3
¶15955195

IDC Error ellipse: s-maj=177.8km s-min=24.7km az=55.0.
IDC II 09 23 16 59.4–1.8 0.06S 98.64E 0 3.8L,3.7
¶15955318

IDC Error ellipse: s-maj=61.7km s-min=18.8km az=61.0.
ISC II 12 21 50 03.5–.69 4.9S–.10 104.69E–.09 150 4.0b 21 2-78
ISCJB II 12 21 50 02.9–.52 5.0S–.10 104.79E–.10 150 4.0b ¶12700391
IDC II 12 21 50 02.6–3.5 4.66S 104.79E 148–31 4.1,4.0b
DJA II 12 21 50 03 5.26S 104.41E 188 4.5,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=7.6km az=38.1.
IDC Error ellipse: s-maj=31.2km s-min=15.7km az=37.0.
IDC II 14 14 18 00.6–3.9 1.34S 100.72E 0 3.7,3.5
¶15956062

IDC Error ellipse: s-maj=164.6km s-min=23.9km az=57.0.
IDC II 16 23 45 54.7–5.3 3.16S 101.72E 0 3.7,3.5b
¶15956319

IDC Error ellipse: s-maj=315.5km s-min=71.8km az=46.0.
IDC II 16 23 45 59.8–2.6 3.58S 101.03E 0 4.1,4.0
¶15956322

IDC Error ellipse: s-maj=96.8km s-min=18.7km az=56.0.
IDC II 17 00 04 33.9–2.6 4.51S 101.17E 0 4.2s,4.2
¶15956380

IDC Error ellipse: s-maj=105.3km s-min=25.2km az=53.0.
DJA II 17 18 28 33.1–2.1 4S–5.0 101E–6.0 19–26 4.0,4.0
¶15821866

IDC II 18 14 31 29.6–2.9 0.68S 98.90E 0 3.6,3.5L
¶15956562

IDC Error ellipse: s-maj=119.7km s-min=21.9km az=59.0.
ISC II 20 11 14 48.1–1.2 4.8S–.10 101.9E–.20 37 4.0b 13 1-146
IDC II 20 11 14 43.6–2.8 4.72S 102.25E 0 3.9,3.8 ¶12701327
ISCJB II 20 11 14 45.3–1.1 5.0S–.10 101.8E–.10 37 3.8b,3.8
DJA II 20 11 14 54.5–1.3 4S–11 103E–7.0 10 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC II 21 21 03 28.0–1.4 3.53S 100.82E 0 4.0,3.9
¶15956897

IDC Error ellipse: s-maj=47.8km s-min=15.9km az=57.0.
ISC II 22 16 39 31.4–.96 0.47S–.07 98.10E–.07 27 3.9b 20 1-145
IDC II 22 16 39 27.4–1.8 0.48S 98.06E 0 3.8,3.8b ¶12701542
DJA II 22 16 39 31.1–1.5 1S–9.0 98E–7.0 26–29 4.0,4.0
ISC Event type ke.
ISC II 23 02 07 46.0–1.1 2.7S–.10 99.6E–.10 32 4.0b 22 1-145
ISCJB II 23 02 07 43.9–1.1 2.7S–.10 99.5E–.10 32 3.8b ¶12701586
IDC II 23 02 07 46.3–1.6 2.59S 99.64E 27–4 3.8,3.7
DJA II 23 02 07 46.2–1.3 3S–11 100E–11 41–77 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC II 23 04 06 10.0–2.1 3.64S 100.40E 25–4 4.1,4.1
¶15957032

IDC Error ellipse: s-maj=43.6km s-min=36.3km az=165.0.
IDC II 23 20 41 41.2–2.3 2.55S 100.42E 0 4.0,3.9
¶15957084

IDC Error ellipse: s-maj=102.2km s-min=18.5km az=56.0.
ISC II 24 10 02 36.0–1.7 5.1S–.10 103.0E–.10 57–13 4.4b 55 1-145
IDC II 24 10 02 28.4–.83 4.97S 102.92E 0 4.4,4.3 ¶12701730
NEIC II 24 10 02 33.7–.46 4.97S 102.95E 35 4.5b,4.3
ISCJB II 24 10 02 35.8–1.1 5.0S–.10 103.1E–.10 73–7 4.2b,4.3
DJA II 24 10 02 46 4.29S 103.07E 10 4.1,4.3
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=13.2km az=51.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=6.3km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=6.7km az=135.5.
IDC II 24 20 59 44.5–2.9 4.80S 102.29E 0 3.9,3.8
¶15957184

IDC Error ellipse: s-maj=129.0km s-min=17.4km az=57.0.
ISC II 25 03 46 41.5–.97 1.49S–.09 99.59E–.06 30 3.7b 14 1-145
DJA II 25 03 46 41.1–1.4 2S–18 100E–10 14–16 3.6,3.6 ¶12701801

IDC II 25 03 46 44.4–3.2 1.16S 100.26E 48–9 3.5,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=168.5km s-min=16.8km az=54.0.
ISC II 26 15 21 26.8–.42 3.42S–.05 100.30E–.05 29 4.8b,4.3s 189 2-148
BJI II 26 15 21 21.9 3.79S 100.60E 31 5.1b,4.9s ¶12701934
NEIC II 26 15 21 23.1–3.3 3.41S 100.35E 3–21 4.9b,4.9s
IDC II 26 15 21 23.3–.79 3.27S 100.42E 0 4.5,4.4
ISCJB II 26 15 21 25.1–.34 3.40S–.04 100.35E–.04 29 4.6b,4.4s
MOS II 26 15 21 27.0–1.3 3.12S 100.58E 34 5.0b,4.4s
DJA II 26 15 21 34 3.38S 100.99E 10 4.9,4.4s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.0km az=55.0.
IDC Error ellipse: s-maj=29.1km s-min=12.5km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.3km az=41.3.
MOS Error ellipse: s-maj=15.8km s-min=6.9km az=110.4.
IDC II 27 12 00 35.8–4.6 5.20S 103.90E 0 3.5,3.3
¶15957450

IDC Error ellipse: s-maj=194.1km s-min=26.0km az=55.0.
ISC II 27 20 49 03.3–1.1 3.1S–.10 100.8E–.20 28 4.4b 45 8-146
IDC II 27 20 48 57.1–1.2 3.34S 100.33E 0 4.3,4.3b ¶12702047
NEIC II 27 20 49 02.8–.82 3.16S 100.53E 35 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=14.4km az=55.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=9.9km az=58.0.
IDC II 28 11 00 20.7–3.0 2.40S 101.66E 0 3.7,3.6
¶15957514

IDC Error ellipse: s-maj=139.4km s-min=20.4km az=54.0.
IDC II 28 16 04 07.4–3.6 2.91S 100.99E 0 3.6,3.5
¶15957534

IDC Error ellipse: s-maj=154.7km s-min=21.2km az=56.0.
ISC II 28 16 51 39.6–1.5 1.18S–.07 99.81E–.07 64–13 4.5b 90 1-145
IDC II 28 16 51 31.0–.91 1.26S 99.78E 0 4.5L,4.3 ¶12702123
ISCJB II 28 16 51 40.0–.83 1.14S–.06 99.92E–.07 82–6 4.4b,4.3
DJA II 28 16 51 39.6–1.1 1S–5.0 100E–5.0 27–11 5.0b,4.4b
NEIC II 28 16 51 40.6–1.4 1.15S 99.98E 71–11 4.4b,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=33.4km s-min=13.8km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=13.7km s-min=6.3km az=141.8.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=5.9km az=51.0. Felt [III] at Padang, Pariaman and Sumpur, Sumatra.
IDC III 01 05 34 10.5–2.8 3.99S 100.77E 0 4.0,3.8b
¶12702164

IDC Error ellipse: s-maj=114.7km s-min=19.0km az=56.0.
ISC III 01 19 31 40.2–.55 2.11S–.08 102.3E–.10 250 3.8b 34 2-88
IDC III 01 19 31 39.3–2.3 2.36S 102.21E 253–23 3.7,3.6b ¶12702211
DJA III 01 19 31 42.2–1.3 2S–12 102E–16 244–17 4.7b,4.6b
ISC Event type ke.
IDC III 02 14 26 08.0–4.0 2.33S 101.89E 0 3.4,3.3
¶12702269

IDC Error ellipse: s-maj=165.5km s-min=24.5km az=57.0.
ISC III 02 14 31 25.3–1.6 4.8S–.20 102.8E–.20 59 3.5b 11 0-60
IDC III 02 14 31 17.6–3.8 4.73S 102.77E 0 3.5,3.4 ¶12702271
ISCJB III 02 14 31 22.9–1.1 4.93S–.08 102.73E–.10 59 3.5b,3.2s
DJA III 02 14 31 26.5–1.5 5S–11 103E–10 36–7 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC III 03 11 24 09.1–1.4 4.3S–.10 102.3E–.10 60–10 4.2b 46 0-145
IDC III 03 11 24 00.4–1.2 4.37S 102.10E 0 4.1b,4.1 ¶12702343
NEIC III 03 11 24 05.6–.65 4.36S 102.12E 35 4.3b,4.1
ISCJB III 03 11 24 07.8–1.2 4.3S–.10 102.3E–.10 71–7 4.1b,4.1
DJA III 03 11 24 09.3–.90 4S–7.0 102E–7.0 32–6 4.4,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC III 06 09 09 16.1–.67 1.68S–.06 99.55E–.05 30 4.0b 29 1-145
IDC III 06 09 09 11.6–.82 1.72S 99.53E 0 4.1,4.0b ¶12702551
ISCJB III 06 09 09 14.3–.59 1.72S–.06 99.48E–.06 30 4.1b,3.1s
DJA III 06 09 09 18.3–.50 1S–4.0 100E–3.0 10 4.5,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC III 06 19 02 18.8–.95 5.84S–.09 103.73E–.09 45 3.7b 18 1-89
IDC III 06 19 02 13.0–2.1 5.62S 103.92E 0 3.7,3.6b ¶12702583
ISCJB III 06 19 02 16.9–.75 5.88S–.07 103.64E–.06 45 3.7b,3.6b
DJA III 06 19 02 22.0–.80 6S–6.0 104E–4.0 29–7 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC III 07 01 36 04.6–1.1 3.6S–.20 100.5E–.20 28–4 4.2b 41 7-146
NEIC III 07 01 36 04.7–.67 3.62S 100.54E 29 4.3b ¶12702602
IDC III 07 01 36 05.8–1.6 3.54S 100.64E 30–4 3.9,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=7.8km az=50.0.
IDC Error ellipse: s-maj=59.2km s-min=13.8km az=56.0.
IDC III 09 02 26 15.1–2.9 1.19S 98.26E 0 3.5,3.4b
¶12702772

IDC Error ellipse: s-maj=101.1km s-min=22.4km az=62.0.
ISC III 12 05 10 14.3–.93 4.60S–.07 101.71E–.08 30 3.8b 23 1-146
ISCJB III 12 05 10 11.0–.78 4.75S–.07 101.55E–.06 30 3.8b ¶12703048
IDC III 12 05 10 15.4–2.4 4.56S 101.78E 40–6 3.7,3.5
DJA III 12 05 10 15.0–1.1 5S–4.0 102E–5.0 17–8 4.3,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC III 13 06 10 39.6–1.1 4.50S–.09 101.03E–.09 29 4.0b 16 1-146
IDC III 13 06 10 35.4–2.1 4.54S 101.14E 0 4.0,3.9b ¶12703144
DJA III 13 06 10 52.5–1.2 4S–9.0 102E–9.0 10 3.9,3.9
ISC Event type ke.
ISC III 14 15 01 05.9–1.0 3.09S–.07 100.9E–.10 46 4.3b 23 1-145
IDC III 14 15 00 59.1–3.9 3.11S 100.83E 0 3.9b,3.9 ¶12703271
ISCJB III 14 15 01 04.3–.64 3.12S–.05 100.91E–.06 46 3.9b,3.9
DJA III 14 15 01 04.7–1.2 3S–3.0 101E–7.0 27–12 4.3,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC III 14 23 07 57.5–3.5 3.68S 100.06E 0 3.7,3.6b
¶12703301

IDC Error ellipse: s-maj=148.4km s-min=20.4km az=54.0.
IDC III 15 01 38 21.8–4.5 3.16S 100.69E 0 3.5,3.4b
¶12703314

IDC Error ellipse: s-maj=186.6km s-min=24.1km az=56.0.
ISC III 15 16 17 42.0–.78 1.58S–.09 100.45E–.08 58 4.1b 19 1-144
IDC III 15 16 17 32.9–1.0 1.77S 100.13E 0 4.1,4.0b ¶12703363
DJA III 15 16 17 46.9–.50 1S–4.0 100E–4.0 36–7 4.0,4.0
ISC Event type ke.
IDC III 18 10 11 18.3–2.8 3.15S 100.26E 0 3.7,3.6b
¶12703577

IDC Error ellipse: s-maj=119.0km s-min=19.4km az=56.0.
IDC III 18 10 24 10.9–1.3 3.21S 100.07E 0 4.1,4.0b
¶12703579

IDC Error ellipse: s-maj=48.9km s-min=17.4km az=55.0.
ISC III 20 14 50 10.2–.78 5.88S–.06 103.16E–.08 33 3.9b 27 1-146
ISCJB III 20 14 50 07.3–.69 5.85S–.07 103.00E–.08 33 3.9b ¶15153314
IDC III 20 14 50 07.3–2.2 5.22S 103.75E 0 4.0,3.9b
DJA III 20 14 50 13.8–.60 6S–3.0 104E–4.0 10 4.7b,4.5
AUST III 20 14 50 17.9 6.34S 103.41E 60 4.7b,4.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=7.5km az=138.4.
IDC Error ellipse: s-maj=88.7km s-min=15.8km az=57.0.
IDC III 21 09 08 16.1–2.9 2.11S 99.86E 0 3.9,3.8
¶12635169

IDC Error ellipse: s-maj=122.5km s-min=19.6km az=57.0.
IDC III 21 16 24 24.7–7.7 3.22S 103.71E 0 3.5,3.4b
¶12635199

IDC Error ellipse: s-maj=411.3km s-min=24.8km az=53.0.

IDC III 21 23 55 32.9–2.7 3.27S 101.02E 0 3.8,3.7b
¶12635236
IDC Error ellipse: s-maj=99.5km s-min=22.0km az=57.0.
IDC III 23 20 08 31.6–2.2 2.17S 99.56E 20–4 3.6,3.5
¶12635413
IDC Error ellipse: s-maj=89.9km s-min=13.6km az=59.0.
ISC III 25 08 44 58.5–1.2 5.5S–.10 103.52E–.09 47 3.7b 10 1-44
IDC III 25 08 44 48.7–32 4.73S 103.63E 0 3.8,3.7b **¶12635536**
ISCJB III 25 08 44 56.7–1.0 5.62S–.07 103.46E–.07 47 3.7b,3.7b
DJA III 25 08 45 00.5–1.9 5S–17 104E–15 39–23 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC III 26 13 48 00.8–2.3 5.5S–.40 104.0E–.40 150 3.6b 4 0-61
IDC III 26 13 47 32.1–2.6 4.67S 103.63E 0 3.8,3.7b **¶12635641**
DJA III 26 13 47 59.7–1.2 5S–13 104E–9.0 165–16 5.8b,5.3
ISC Event type ke.
ISC III 26 15 50 57.5–.67 3.54S–.07 100.59E–.09 29 4.4b,4.0s 82 2-146
IDC III 26 15 50 52.7–1.2 3.54S 100.64E 0 4.3,4.2b **¶12062028**
ISCJB III 26 15 50 54.4–.55 3.64S–.06 100.51E–.07 29 4.3b,4.0s
BJI III 26 15 50 56.0 3.87S 100.76E 55 4.9b,4.7s
NEIC III 26 15 50 57.5–.64 3.51S 100.68E 35 4.3b,4.7s
DJA III 26 15 50 57.2–1.0 4S–7.0 101E–12 20 4.7b,4.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 27 00 55 02.0–2.5 2.92S 100.39E 0 4.2,4.2
¶12635668
IDC Error ellipse: s-maj=90.7km s-min=25.9km az=57.0.
ISC III 27 05 32 10.6–1.3 1.69S–.08 99.9E–.10 33 3.4b 10 1-144
IDC III 27 05 32 03.9–6.9 1.97S 99.46E 0 3.7,3.5b **¶12635679**
DJA III 27 05 32 15.1–1.5 2S–6.0 100E–9.0 15–10 3.7,3.7
ISC Event type ke.
IDC III 27 05 57 45.5–6.4 0.79S 102.34E 0 3.7,3.5b
¶12635680
IDC Error ellipse: s-maj=372.2km s-min=28.1km az=53.0.
ISC III 28 07 31 07.9–.57 3.24S–.07 102.92E–.08 200 3.9b 39 1-144
ISCJB III 28 07 31 06.9–.36 3.21S–.06 102.91E–.07 200 3.8b **¶12635755**
DJA III 28 07 31 08.6–.40 3S–5.0 103E–6.0 187–8 5.4b,4.8
IDC III 28 07 31 08.1–1.9 3.13S 102.99E 196–17 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.3km az=143.1.
IDC Error ellipse: s-maj=22.9km s-min=9.9km az=52.0.
IDC III 29 05 02 51.6–3.4 1.98S 99.17E 0 3.6b,3.6
¶12635839
IDC Error ellipse: s-maj=161.8km s-min=56.4km az=65.0.
ISC III 29 20 22 16.6–1.3 3.5S–.20 102.8E–.20 280–11 3.7b 15 0-94
IDC III 29 20 22 15.2–9.2 3.53S 102.75E 264–90 3.5,3.4 **¶12635887**
DJA III 29 20 22 20.1–3.7 2S–3.0 104E–4.0 38–44 5.2b,4.7
ISC Event type ke.
IDC IV 01 08 24 58.1–3.4 1.98S 102.02E 0 3.7,3.6
¶16152217
IDC Error ellipse: s-maj=152.8km s-min=21.4km az=56.0.
ISC IV 01 14 27 47.4–.34 3.61S–.03 100.54E–.04 32–1 5.1b,4.9s 537 2-150
BJI IV 01 14 27 42.5 3.93S 100.68E 31 5.4s,5.4b **¶15153501**
ISCJB IV 01 14 27 45.8–.74 3.60S–.03 100.55E–.03 32–5 5.0b,5.0s
MOS IV 01 14 27 46.4–1.1 3.41S 100.73E 33 5.3b,4.8s
NEIC IV 01 14 27 46.7–.29 3.51S 100.63E 26 5.1b,4.8s
DJA IV 01 14 27 47.1–.90 4S–3.0 100E–4.0 17–7 5.6,5.6b
IDC IV 01 14 27 47.8–.63 3.50S 100.71E 28–3 4.8,4.8s
GCMT IV 01 14 27 49.8–.30 3.80S 100.39E 20 5.3W,4.8s
AUST IV 01 14 27 56.7–.04 2.62S 101.63E 70–0 5.3W,4.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=136.6.
MOS Error ellipse: s-maj=10.9km s-min=5.6km az=110.7.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.1km az=57.0.
IDC Error ellipse: s-maj=15.6km s-min=8.1km az=47.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c87; s53,c65; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s323.00000°,δ13.00000°,λ108.00000°. NP2:ϕ_s124.00000°,δ78.00000°,λ86.00000°. Principal axes: T 1.2800,Plg57.0000°,Azm29.0000° ; N 0.0400,Plg4.0000°,Azm125.0000°; P -1.3100,Plg33.0000°,Azm217.0000° $M_0$1.30000×10^{17}
AUST Error ellipse: s-maj=2.7km s-min=0.7km az=226.0.
ISC IV 03 14 56 36.6–.80 2.3S–.20 102.0E–.30 169–11 3.8b 21 1-87
IDC IV 03 14 56 16.6–1.5 2.47S 101.51E 0 4.0,3.9 **¶12934389**
ISCJB IV 03 14 56 35.4–.47 2.3S–.20 102.1E–.30 174–10 3.8b,3.9
DJA IV 03 14 56 36.2–.50 2S–14 102E–17 153–10 4.8b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC IV 04 20 07 11.1–.84 4.75S–.09 101.70E–.10 37 3.9b 21 1-146
IDC IV 04 20 07 05.5–1.3 4.76S 101.70E 0 3.8,3.8 **¶12934443**
ISCJB IV 04 20 07 08.7–.68 4.83S–.08 101.64E–.06 37 3.8b,3.8
DJA IV 04 20 07 10.0–1.6 5S–11 102E–8.0 20–27 4.3b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC IV 05 22 08 41.3–1.2 3.7S–.10 100.3E–.10 29 4.2b 17 2-146
ISCJB IV 05 22 08 38.2–1.1 3.9S–.10 100.23E–.09 29 4.1b **¶16152427**
IDC IV 05 22 08 41.1–3.2 3.25S 100.76E 0 4.0,4.0
DJA IV 05 22 08 47.5–1.9 2S–5.0 103E–6.0 23–25 4.7b,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC IV 08 08 08 17.8–6.5 4.86S 103.92E 0 3.5,3.3
¶16152540
IDC Error ellipse: s-maj=368.1km s-min=28.9km az=50.0.
IDC IV 09 13 10 55.1–7.9 3.13S 101.30E 0 3.5,3.3
¶16152586
IDC Error ellipse: s-maj=409.8km s-min=27.5km az=52.0.
ISC IV 12 23 38 14.3–.70 4.58S–.07 102.11E–.08 37 4.2b 43 1-145
IDC IV 12 23 38 08.8–1.2 4.56S 102.06E 0 4.2,4.2b **¶12935142**
ISCJB IV 12 23 38 12.0–.50 4.58S–.06 101.97E–.05 37 4.2b,4.2b
NEIC IV 12 23 38 13.8–.55 4.56S 102.08E 35 4.1b,4.2b
DJA IV 12 23 38 19.3–1.1 4S–21 103E–28 61–16 4.3,4.3
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type se.
DJA IV 14 19 57 48.3–.40 0S–3.0 101E–4.0 4–5 3.6,3.6
¶15850459
ISC IV 15 06 38 00.7–1.2 6.0S–.10 102.0E–.10 21 3.7b 13 2-146
IDC IV 15 06 37 58.2–3.6 5.78S 102.21E 0 3.8,3.7 **¶12935315**
DJA IV 15 06 38 05.4–5.6 6S–16 102E–16 16–48 6.5b,6.2
ISC Event type ke.
IDC IV 15 11 20 21.4–3.0 2.04S 100.15E 0 3.8,3.8
¶16152810
IDC Error ellipse: s-maj=133.3km s-min=26.6km az=60.0.
DJA IV 15 11 53 12.6–.30 4S–3.0 105E–4.0 10 3.6,3.6
¶15850465
DJA IV 15 16 39 56.1–.30 0S–2.0 100E–3.0 10 3.9,3.9
¶15850464
ISC IV 15 16 43 16.1–1.1 0.40S–.04 100.50E–.04 10–10 3.6b 18 0-50
ISCJB IV 15 16 43 16.0–.87 0.40S–.05 100.42E–.06 8–8 3.4b **¶12935289**
DJA IV 15 16 43 16.7–.30 0S–2.0 100E–2.0 10 4.0,4.0
IDC IV 15 16 43 22.3–5.4 1.06S 99.82E 109–33 3.1,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.6km az=152.1.
IDC Error ellipse: s-maj=126.4km s-min=22.7km az=61.0.
ISC IV 15 17 47 27.5–.28 3.11S–.03 100.35E–.03 21–2 5.5s,5.4b 1136 2-177
BJI IV 15 17 47 20.8 3.52S 100.44E 9 5.9s,5.8b **¶15153728**
IDC IV 15 17 47 24.4–.36 3.14S 100.49E 0 5.4,5.3
ISCJB IV 15 17 47 25.1–.71 3.18S–.02 100.36E–.02 15–4 5.5s,5.4b
NEIC IV 15 17 47 27.8–.15 3.08S 100.42E 19 5.7,5.6s
AUST IV 15 17 47 27.1–1.2 2.91S 100.75E 5–0 5.7,5.6s
DJA IV 15 17 47 28.3–.40 3S–3.0 100E–4.0 42–5 6.0,5.9b
MOS IV 15 17 47 28.5–1.1 2.96S 100.53E 34 5.7b,5.4s
GCMT IV 15 17 47 29.9–.10 3.41S 100.15E 15 5.7W,5.4s
SZGRF IV 15 17 47 36.2 2.05S 99.46E 31 5.0b,5.4s
ISC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=8.8km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.8km az=30.3.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.2km az=41.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s62 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-2.12 $M_{\phi\phi}$0.65 $M_{r\theta}$1.36 $M_{\theta\phi}$-0.55 $M_{\phi r}$-0.90 Best double couple: NP1:ϕ_s229.00000°,δ38.00000°,λ37.00000°. NP2: ϕ_s108.00000°,δ68.00000°,λ122.00000°. Principal axes: T 2.5000,Plg55.0000°,Azm58.0000° ; N 0.1000,Plg29.0000°,Azm275.0000°; P -2.5900,Plg17.0000°,Azm175.0000° $M_0$2.50000×10^{17}
AUST Error ellipse: s-maj=1.2km s-min=0.5km az=231.0.
MOS Error ellipse: s-maj=8.3km s-min=4.2km az=117.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 87, comp=133, per= 50. Moment Tensor Solution. s81,c147; s18,c20; Moment tensor: Scale 10^{17}Nm; M_{rr}1.29±.03 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$-0.65±.03; $M_{r\theta}$4.08±.08; $M_{\theta\phi}$0.76±.02; $M_{\phi r}$-2.84±.09; Best double couple: NP1:ϕ_s327.00000°,δ8.00000°,λ112.00000°. NP2:ϕ_s125.00000°,δ83.00000°,λ87.00000°. Principal axes: T 5.1200,Plg52.0000°,Azm32.0000°; N 0.0700,Plg3.0000°,Azm126.0000° ; P -5.1900,Plg37.0000°,Azm218.0000° $M_0$5.20000×10^{17}
SZGRF Southern Sumatera, Indonesia.
ISC IV 15 20 01 35.3–.26 3.13S–.03 100.46E–.03 28–1 6.4s,6.0b 1979 1-177
BJI IV 15 20 01 28.4 3.42S 100.44E 8 6.7s,6.6b **¶13438642**
IDC IV 15 20 01 30.6–.28 3.17S 100.49E 0 6.3,6.3s
ISCJB IV 15 20 01 31.0–.55 3.18S–.02 100.40E–.01 10–3 6.4s,5.9b
DJA IV 15 20 01 33.8–.50 3S–1.0 100E–1.0 13–4 6.7,6.6b
AUST IV 15 20 01 35.0–.92 3.21S 100.49E 20–0 6.7,6.6b
MOS IV 15 20 01 34.9–1.0 3.01S 100.54E 33 6.3s,6.2b
NEIC IV 15 20 01 34.7–.12 3.12S 100.47E 22 6.4s,6.2W
GCMT IV 15 20 01 37.9–.10 3.40S 100.16E 15 6.3W,6.2W
SZGRF IV 15 20 01 38.3 3.28S 100.07E 37 6.3s,5.5b
ISC Event type fe.
IDC Error ellipse: s-maj=9.9km s-min=5.9km az=43.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=33.5.
AUST Error ellipse: s-maj=0.8km s-min=0.6km az=225.0.
MOS Error ellipse: s-maj=7.3km s-min=3.9km az=119.7.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=36.0. Felt at Padang, Sumatra. Also felt at Sekudai, Malaysia and in Singapore. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s94 Moment tensor: Scale 10^{18}Nm; M_{rr}1.08 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$-0.53 $M_{r\theta}$1.41 $M_{\theta\phi}$0.35 $M_{\phi r}$-0.82 Best double couple: NP1:ϕ_s319.00000°,δ16.00000°,λ106.00000°. NP2: ϕ_s123.00000°,δ75.00000°,λ86.00000°. Principal axes: T 2.0200,Plg60.0000°,Azm26.0000° ; N -0.2200,Plg4.0000°,Azm123.0000°; P -1.8000,Plg29.0000°,Azm216.0000° $M_0$1.90000×10^{18}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=180, per= 50. Moment Tensor Solution. s93,c165; s84,c112; Moment tensor: Scale 10^{18}Nm; M_{rr}0.97±.01 $M_{\theta\theta}$-0.51±.01; $M_{\phi\phi}$-0.46±.01; $M_{r\theta}$2.50±.03; $M_{\theta\phi}$0.55±.01; $M_{\phi r}$-1.70±.03; Best double couple: NP1:ϕ_s324.00000°,δ10.00000°,λ109.00000°. NP2:ϕ_s125.00000°,δ81.00000°,λ87.00000°. Principal axes: T 3.1700,Plg54.0000°,Azm31.0000°; N 0.0300,Plg3.0000°,Azm125.0000° ; P -3.2000,Plg36.0000°,Azm217.0000° $M_0$3.20000×10^{18}
SZGRF Southern Sumatera, Indonesia.
ISC IV 15 20 14 40.4–1.2 3.17S–.10 100.40E–.10 28 3.7b 21 2-145
DJA IV 15 20 14 38.0–.60 3S–5.0 100E–5.0 23 4.7,4.6 **¶12935282**
IDC IV 15 20 14 38.3–2.8 3.03S 100.87E 0 3.6,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=99.9km s-min=28.2km az=61.0.
ISC IV 15 21 48 17.6–1.2 3.26S–.09 100.6E–.10 29 3.7b 17 1-145
DJA IV 15 21 48 12.1–.60 3S–3.0 100E–5.0 10 4.1b,4.0 **¶12935278**
IDC IV 15 21 48 12.9–4.0 3.46S 100.23E 0 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=173.2km s-min=30.1km az=56.0.
ISC IV 15 23 13 55.3–1.1 3.60S–.07 100.32E–.08 29 4.3b 20 2-146
DJA IV 15 23 13 52.1–.60 4S–4.0 100E–4.0 24 4.6,4.6 **¶12935274**
IDC IV 15 23 13 54.5–2.2 3.21S 100.52E 0 4.1,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=70.6km s-min=21.6km az=54.0.
IDC IV 16 04 09 56.6–2.6 3.21S 100.55E 0 4.0,3.9
¶16152833
IDC Error ellipse: s-maj=95.0km s-min=27.2km az=57.0.
IDC IV 16 08 25 45.7–3.1 2.66S 101.05E 0 3.6,3.5
¶16152836
IDC Error ellipse: s-maj=137.9km s-min=25.0km az=59.0.
ISC IV 16 19 55 28.9–.38 3.35S–.04 100.28E–.04 33–1 5.2s,5.0b 459 3-148
BJI IV 16 19 55 22.6 3.85S 100.47E 32 5.5s,5.5b **¶15153746**
AUST IV 16 19 55 24.3–1.2 3.38S 100.29E 0–0 5.5s,5.5b
NEIC IV 16 19 55 24.9–2.7 3.33S 100.32E 8–16 5.1b,5.5b
IDC IV 16 19 55 24.2–.51 3.29S 100.39E 0 5.0,5.0s
ISCJB IV 16 19 55 25.0–.83 3.33S–.03 100.36E–.03 17–5 5.2s,5.0b
MOS IV 16 19 55 28.1–1.1 3.12S 100.52E 33 5.2b,5.1s
GCMT IV 16 19 55 30.9–.20 3.56S 100.08E 26 5.5W,5.1s
ISC Event type se.
AUST Error ellipse: s-maj=1.1km s-min=0.6km az=236.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.1km az=54.0.
IDC Error ellipse: s-maj=17.2km s-min=9.7km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=42.5.
MOS Error ellipse: s-maj=10.2km s-min=5.5km az=110.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c86; s70,c110; Moment tensor: Scale 10^{17}Nm; M_{rr}1.01±.04 $M_{\theta\theta}$-0.54±.03; $M_{\phi\phi}$-0.48±.03; $M_{r\theta}$1.31±.05; $M_{\theta\phi}$0.56±.02; $M_{\phi r}$-1.04±.07; Best double couple: NP1:ϕ_s318.00000°,δ16.00000°,λ99.00000°. NP2:ϕ_s129.00000°,δ74.00000°,λ87.00000°. Principal axes: T 1.9400,Plg61.0000° ,Azm36.0000°; N 0.0400,Plg2.0000°,Azm130.0000°; P -1.9900,Plg29.0000°,Azm221.0000° $M_0$2.00000×10^{17}
ISC IV 16 20 42 30.9–.42 3.40S–.04 100.29E–.05 31–2 4.9b,4.6s 330 2-177
IDC IV 16 20 42 27.2–.56 3.24S 100.40E 0 4.8,4.7 **¶15153747**
DJA IV 16 20 42 28.8–2.2 3S–4.0 100E–5.0 12–18 5.3b,5.3
BJI IV 16 20 42 28.3 3.55S 100.52E 37 5.2b,5.0s
NEIC IV 16 20 42 30.6–.26 3.24S 100.41E 23 4.9b,5.0s
ISCJB IV 16 20 42 30.2–1.0 3.26S–.03 100.39E–.04 32–7 4.9b,4.6s
AUST IV 16 20 42 31.0–.36 3.44S 100.20E 35–0 4.9b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=12.7km az=53.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.2km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=138.5.
AUST Error ellipse: s-maj=1.3km s-min=0.7km az=239.0.
ISC IV 16 20 51 45.3–.35 3.24S–.03 100.41E–.04 33–1 5.2b,4.9s 650 2-158
BJI IV 16 20 51 40.6 3.63S 100.58E 32 5.3b,5.3b **¶15153748**
MOS IV 16 20 51 44.2–1.1 3.10S 100.59E 33 5.4b,4.9s
AUST IV 16 20 51 44.3–.96 3.33S 100.29E 26–0 5.4b,4.9s
ISCJB IV 16 20 51 44.6–.40 3.28S–.02 100.44E–.03 41–3 5.2b,4.9s
IDC IV 16 20 51 45.5–2.5 3.29S 100.47E 33–17 4.8L,4.8
DJA IV 16 20 51 45.9–.30 3S–2.0 100E–3.0 42 5.5b,5.5
NEIC IV 16 20 51 46.4–1.4 3.22S 100.46E 41–11 5.0b,5.5
ISC Event type se.
MOS Error ellipse: s-maj=9.9km s-min=5.2km az=111.4.
AUST Error ellipse: s-maj=1.1km s-min=0.6km az=234.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.1km az=137.1.
IDC Error ellipse: s-maj=15.3km s-min=9.3km az=44.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.8km az=50.0.
IDC IV 16 22 54 20.0–2.9 3.37S 100.27E 0 3.8,3.7
¶16152864
IDC Error ellipse: s-maj=120.9km s-min=21.2km az=55.0.
IDC IV 16 22 55 13.5–4.1 3.53S 100.07E 0 3.9,3.9b
¶16152867
IDC Error ellipse: s-maj=176.2km s-min=27.2km az=56.0.
IDC IV 16 23 06 48.2–1.1 3.35S 100.27E 0 4.2,4.1
¶16152868
IDC Error ellipse: s-maj=38.9km s-min=14.2km az=51.0.
ISC IV 18 08 48 58.9–.92 3.4S–.10 100.3E–.20 29 4.1b 38 6-146
ISCJB IV 18 08 48 57.7–.85 3.3S–.10 100.4E–.20 29 4.1b **¶12935561**

IDC IV 18 08 48 58.6–.98 3.39S 100.27E 23–3 4.0,4.0
NEIC IV 18 08 49 00.6–.65 3.31S 100.36E 35 4.1b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=9.8km az=141.7.
IDC Error ellipse: s-maj=34.4km s-min=14.4km az=56.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=7.5km az=52.0.
DJA IV 18 09 35 40.9–.40 5S–3.0 102E–4.0 17–6 3.8,3.8
¶15852897
IDC IV 18 10 08 07.3–1.1 3.40S 100.30E 0 4.1,4.0
¶16152980
IDC Error ellipse: s-maj=37.9km s-min=14.0km az=56.0.
ISC IV 18 20 05 28.9–1.0 1.43S–.07 99.43E–.05 10 3.7b 17 0-73
IDC IV 18 20 05 20.0–4.2 1.74S 101.91E 0 3.5,3.4 **¶15852893**
ISCJB IV 18 20 05 28.1–.83 1.48S–.07 99.37E–.04 10 3.6b,3.4
DJA IV 18 20 05 29.7–.40 1S–4.0 99E–3.0 11 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC IV 18 22 39 07.2–.95 1.48S–.05 100.06E–.07 33 3.6b 16 1-57
ISCJB IV 18 22 39 05.7–1.1 1.54S–.05 99.89E–.08 33 3.7s,3.6b **¶12935601**
DJA IV 18 22 39 08.4–.50 1S–3.0 100E–4.0 29–7 4.0,4.0
IDC IV 18 22 39 10.1–5.0 1.39S 100.39E 73–37 3.8L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=6.3km az=154.4.
IDC Error ellipse: s-maj=122.7km s-min=18.1km az=57.0.
ISC IV 19 02 22 52.4–1.9 1.11S–.05 99.88E–.07 3–14 4.1b 22 1-144
IDC IV 19 02 22 50.7–1.6 1.31S 99.76E 0 3.8,3.8 **¶12935712**
DJA IV 19 02 22 54.7–.40 1S–2.0 100E–2.0 10 4.1,4.1
ISC Event type ke.
IDC IV 19 17 36 18.1–4.3 3.39S 100.24E 0 4.1s,4.1
¶16153081
IDC Error ellipse: s-maj=187.1km s-min=21.7km az=55.0.
ISC IV 20 19 20 58.6–1.2 3.4S–.20 100.4E–.20 29 4.6b 53 3-147
IDC IV 20 19 20 54.5–2.5 3.36S 100.35E 0 4.3,4.3 **¶12935808**
NEIC IV 20 19 20 55.0–.93 3.97S 100.71E 35 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=55.5km s-min=38.5km az=2.0.
NEIC Event type se. Error ellipse: s-maj=34.3km s-min=13.8km az=54.0.
IDC IV 20 19 25 04.1–4.6 3.17S 100.35E 0 3.4,3.3
¶16153167
IDC Error ellipse: s-maj=190.9km s-min=26.1km az=56.0.
IDC IV 21 07 41 01.2–4.1 2.52S 103.65E 0 3.8,3.6
¶16153198
IDC Error ellipse: s-maj=241.7km s-min=25.3km az=54.0.
IDC IV 21 10 46 41.0–7.1 3.78S 104.56E 0 3.5,3.3
DJA IV 21 10 45 55.4–.60 1S–7.0 105E–5.0 10 6.0b,5.6b **¶15852906**
IDC IV 25 11 17 10.3–5.6 3.53S 101.42E 0 3.6,3.4
¶16153374
IDC Error ellipse: s-maj=273.5km s-min=28.1km az=52.0.
ISC IV 26 02 15 15.7–1.5 3.5S–.30 101.4E–.20 35 3.9b 9 1-145
IDC IV 26 02 15 10.3–1.7 3.56S 101.44E 0 4.0,3.9 **¶16154502**
ISC Event type ke.
IDC Error ellipse: s-maj=76.2km s-min=22.6km az=50.0.
IDC IV 26 11 27 51.0–2.9 2.63S 100.08E 44–8 3.5,3.3
¶16154514
IDC Error ellipse: s-maj=121.0km s-min=15.3km az=56.0.
ISC IV 27 05 29 00.3–.88 4.60S–.05 102.77E–.06 62–8 4.2b 19 0-145
IDC IV 27 05 28 50.5–3.0 4.83S 102.25E 0 4.2,4.1 **¶12936316**
ISCJB IV 27 05 28 59.5–.52 4.60S–.05 102.80E–.05 72–5 4.1b,4.1
DJA IV 27 05 29 01.3–.30 5S–3.0 103E–3.0 36–5 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC IV 27 09 33 40.1–.33 5.28S–.03 103.31E–.03 41–2 4.9b,3.8s 359 1-159
IDC IV 27 09 33 34.4–.37 5.13S 103.41E 0 4.8,4.8 **¶15153982**
MOS IV 27 09 33 37.7–1.0 5.10S 103.40E 33 5.3b,4.8
ISCJB IV 27 09 33 37.6–.22 5.34S–.03 103.13E–.02 34 4.9b,3.9s
BJI IV 27 09 33 38.9 5.10S 103.40E 35 5.1b,5.0b
NEIC IV 27 09 33 39.5–.16 5.13S 103.45E 35 4.9b,5.0b
AUST IV 27 09 33 40.6 5.36S 103.43E 35 4.9b,5.0b
DJA IV 27 09 33 41.8–.50 5S–3.0 103E–2.0 23–5 5.9,5.2b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Liwa.
DJA IV 27 10 45 57.6–1.4 5S–6.0 103E–5.0 61–19 3.5,3.5
¶15852920
ISC IV 27 17 37 46.2–1.1 4.38S–.10 103.41E–.08 10 3.3b 9 0-59
IDC IV 27 17 37 40.7–4.0 4.40S 103.36E 0 3.5,3.4 **¶12936273**
DJA IV 27 17 37 47.0–.90 5S–15 103E–14 31–5 3.8,3.8
ISC Event type ke.
ISC IV 29 10 24 47.2–.96 4.51S–.08 104.21E–.09 35 4.0b 13 1-55
IDC IV 29 10 24 41.6–3.2 4.59S 104.05E 0 4.1,3.9 **¶12936432**
ISCJB IV 29 10 24 45.5–.72 4.43S–.06 104.30E–.07 33 3.9b,3.9
DJA IV 29 10 24 47.9–1.9 5S–18 104E–21 37–16 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC IV 29 18 01 33.2–18 4.19S 106.03E 0 3.7,3.5
¶16154637
IDC Error ellipse: s-maj=305.5km s-min=194.3km az=144.0.
IDC V 03 14 20 30.5–3.0 4.40S 102.53E 0 3.6,3.5
¶16154865
IDC Error ellipse: s-maj=173.9km s-min=21.4km az=52.0.
IDC V 03 17 54 44.5–4.0 4.40S 101.13E 0 3.3,3.2
¶16154871
IDC Error ellipse: s-maj=158.1km s-min=25.9km az=59.0.
IDC V 06 12 51 30.9–6.1 3.10S 101.13E 0 3.9,3.7
¶16155454
IDC Error ellipse: s-maj=313.0km s-min=22.1km az=52.0.
IDC V 06 19 10 34.4–1.4 2.79S 101.88E 0 3.7,3.6
¶16155463
IDC Error ellipse: s-maj=70.0km s-min=17.3km az=50.0.
ISC V 07 20 29 24.7–.61 1.70S–.05 100.06E–.08 33 4.0b 31 1-144
ISCJB V 07 20 29 23.2–.53 1.80S–.05 99.95E–.06 33 4.0b,3.5s **¶13678520**
IDC V 07 20 29 25.9–.92 1.63S 100.31E 51–8 3.7,3.6
DJA V 07 20 29 28.1–1.1 2S–3.0 100E–4.0 28–13 5.2b,4.7b
ISC Event type ke.
ISCJB Event type ke.
IDC V 08 20 00 37.6–3.3 2.51S 101.74E 0 3.9,3.8
¶16155526
IDC Error ellipse: s-maj=152.5km s-min=19.5km az=58.0.
IDC V 14 18 00 56.5–8.0 2.12S 102.32E 0 3.4,3.2
¶16155749
IDC Error ellipse: s-maj=436.7km s-min=29.5km az=52.0.
ISC V 18 10 09 44.2–1.2 4.37S–.04 101.05E–.05 17–7 5.0b,4.4s 346 1-172
BJI V 18 10 09 37.7 4.85S 101.08E 10 5.1b,5.0b **¶15154378**
IDC V 18 10 09 41.4–.48 4.32S 101.34E 0 4.8,4.7
AUST V 18 10 09 42.4 4.34S 100.95E 15 4.8,4.7
ISCJB V 18 10 09 43.6–.97 4.37S–.03 101.12E–.03 27–6 4.9b,4.4s
DJA V 18 10 09 44.0–1.5 4S–3.0 101E–3.0 14–11 5.5,5.4b
MOS V 18 10 09 45.3–1.0 4.19S 101.28E 33 5.2b,4.5s
NEIC V 18 10 09 47.3–.21 4.26S 101.24E 35 5.0b,4.5s
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=9.1km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.6km az=135.5.
MOS Error ellipse: s-maj=12.1km s-min=5.8km az=104.8.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=5.1km az=61.0. Felt [II] at Kapahiang.
ISC V 19 15 34 06.5–.59 2.22S–.06 99.23E–.07 35 4.6b,4.0s 121 1-147
IDC V 19 15 34 02.6–1.3 2.12S 99.54E 0 4.3,4.3b **¶12840142**
ISCJB V 19 15 34 04.7–.57 2.23S–.06 99.37E–.06 33 4.5b,4.0s
BJI V 19 15 34 06.2 2.20S 99.50E 35 4.8b,4.8b
NEIC V 19 15 34 07.3–.44 2.15S 99.52E 35 4.6b,4.8b
DJA V 19 15 34 12.0–.70 2S–6.0 99E–10 10 5.2b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 19 19 04 38.0–2.5 2.23S 99.46E 0 3.7,3.6
¶16155917
IDC Error ellipse: s-maj=90.0km s-min=20.6km az=58.0.
ISC V 21 18 50 26.1–.69 3.88S–.08 102.56E–.07 105–5 4.1b 65 0-145
AUST V 21 18 50 21.9–.02 4.39S 102.05E 88–0 4.1b **¶15154460**
ISCJB V 21 18 50 25.3–.48 3.87S–.08 102.57E–.07 110–4 4.2b
IDC V 21 18 50 27.0–1.0 3.75S 102.87E 105–7 3.8,3.7
DJA V 21 18 50 27.3–.30 4S–6.0 103E–5.0 89–5 5.4b,4.8
ISC Event type ke.
ISCJB Event type ke.
IDC V 23 14 05 34.4–3.9 4.70S 102.87E 0 3.7,3.6
¶16156051
IDC Error ellipse: s-maj=182.9km s-min=18.9km az=53.0.
IDC V 24 16 54 06.4–4.1 4.55S 103.90E 0 3.5,3.4
¶16156108
IDC Error ellipse: s-maj=179.4km s-min=23.5km az=54.0.
ISC V 25 01 57 37.1–.47 1.21S–.06 100.19E–.08 86 4.2b 70 1-146
ISCJB V 25 01 57 35.8–.41 1.22S–.05 100.21E–.07 86 4.1b **¶15155495**
IDC V 25 01 57 35.4–.63 1.16S 100.40E 65–5 3.9,3.8
AUST V 25 01 57 36.6–2.8 1.25S 100.22E 85–0 3.9,3.8
DJA V 25 01 57 36.1–1.1 1S–5.0 100E–8.0 25–12 5.6b,5.1
NEIC V 25 01 57 38.6–1.2 1.18S 100.44E 96–10 4.4b,5.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.4km az=152.0.
IDC Error ellipse: s-maj=21.4km s-min=12.2km az=56.0.
AUST Error ellipse: s-maj=3.6km s-min=1.0km az=241.0.
NEIC Event type fe. Error ellipse: s-maj=14.4km s-min=6.2km az=55.0. Felt [III] at Padang and Pariaman.
IDC V 25 10 47 01.8–5.0 4.36S 104.08E 0 3.6,3.4
¶16156142
IDC Error ellipse: s-maj=210.1km s-min=80.2km az=48.0.
IDC V 25 11 49 43.3–4.7 5.54S 103.26E 0 3.6,3.5
¶16156146
IDC Error ellipse: s-maj=204.6km s-min=22.5km az=53.0.
IDC V 27 23 10 22.0–9.2 4.35S 101.86E 0 3.7,3.5
¶16156241
IDC Error ellipse: s-maj=319.7km s-min=31.3km az=61.0.
ISC V 28 15 05 25.6–.61 1.11S–.07 101.50E–.09 200 4.0b 41 1-146
IDC V 28 15 05 03.4–.67 1.34S 101.03E 0 4.2,4.1 **¶15155551**
ISCJB V 28 15 05 24.7–.33 1.17S–.05 101.43E–.07 200 4.0b,4.1
AUST V 28 15 05 25.8–.00 1.05S 101.69E 186–0 4.0b,4.1
DJA V 28 15 05 27.6–.40 1S–3.0 101E–4.0 162–6 5.5b,5.0
ISC Event type ke.
ISCJB Event type ke.
IDC V 31 12 08 09.7–4.0 1.25S 101.57E 0 3.5,3.4
¶16066113
IDC Error ellipse: s-maj=169.2km s-min=25.1km az=58.0.
IDC VI 01 01 54 19.2–2.6 4.59S 101.75E 0 3.7,3.7
¶16066139
IDC Error ellipse: s-maj=124.6km s-min=17.7km az=54.0.
ISC VI 02 10 32 42.3–.75 2.43S–.08 100.73E–.09 48–5 4.3b,3.5s 77 2-146
NEIC VI 02 10 32 41.1–.48 2.34S 100.70E 35 4.4b,3.5s **¶13680214**
IDC VI 02 10 32 42.6–1.1 2.24S 100.80E 45–6 4.3L,4.1
DJA VI 02 10 32 45.8–.40 2S–4.0 101E–6.0 94–20 4.9b,4.2
ISC Event type se.
NEIC Event type se.
IDC VI 03 16 40 47.5–3.6 3.78S 102.99E 0 3.5,3.4
¶16100901
IDC Error ellipse: s-maj=154.2km s-min=23.3km az=55.0.
ISC VI 04 01 42 47.5–.55 3.35S–.05 100.15E–.07 34–1 4.7b,4.0s 136 2-148
IDC VI 04 01 42 42.7–.83 3.28S 100.28E 0 4.7,4.6 **¶12895860**
ISCJB VI 04 01 42 46.2–.80 3.26S–.05 100.29E–.06 34–6 4.7b,4.1s
BJI VI 04 01 42 46.5 3.20S 100.20E 30 5.0b,4.8b
NEIC VI 04 01 42 46.6–3.6 3.23S 100.33E 25–23 4.5b,4.8b
DJA VI 04 01 42 49.4–5.0 3S–6.0 100E–8.0 37–60 5.5b,4.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VI 06 14 50 31.5–2.4 4.50S 101.16E 0 3.9,3.8b
¶16101019
IDC Error ellipse: s-maj=79.4km s-min=20.0km az=57.0.
ISC VI 06 18 07 46.4–1.0 4.4S–.20 102.9E–.20 64 4.2b 34 23-145
IDC VI 06 18 07 37.1–1.4 4.61S 102.57E 0 4.0,4.0b **¶13680688**
NEIC VI 06 18 07 42.6–.67 4.44S 102.78E 35 4.3b,4.0b
ISCJB VI 06 18 07 43.7–.88 4.5S–.20 102.8E–.20 64 4.1b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 07 08 14 49.0–6.1 2.92S 104.24E 0 3.6,3.4
¶16101052
IDC Error ellipse: s-maj=348.3km s-min=29.0km az=52.0.
IDC VI 10 19 16 28.0–3.6 1.93S 100.89E 0 3.7,3.5
¶16101185
IDC Error ellipse: s-maj=196.8km s-min=20.1km az=52.0.
ISC VI 11 00 16 01.2–.28 4.91S–.03 102.85E–.04 64–1 5.2b 557 1-157
NEIC VI 11 00 15 56.4–2.3 4.89S 102.90E 22–16 5.2b **¶15156025**
MOS VI 11 00 15 56.7–.98 4.74S 103.06E 33 5.3b,4.5s
BJI VI 11 00 15 59.7 4.90S 102.80E 58 5.2b,5.0b
AUST VI 11 00 16 00.6–.20 4.99S 102.77E 50–0 5.2b,5.0b
ISCJB VI 11 00 16 00.9–.38 4.88S–.03 102.91E–.03 72–3 5.0b,5.0b
DJA VI 11 00 16 01.1–.30 5S–2.0 103E–2.0 44–3 5.6b,5.6
IDC VI 11 00 16 02.2–1.1 4.75S 103.01E 68–8 4.8,4.7
GCMT VI 11 00 16 03.3–.30 4.97S 102.83E 25 5.3W,4.7
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=5.0km az=57.0. Felt [III] at Bengkulu and Pagaralam. Also felt at Petaling Jaya, Malaysia and in Singapore.
MOS Error ellipse: s-maj=11.7km s-min=5.6km az=114.6.
AUST Error ellipse: s-maj=0.8km s-min=0.5km az=227.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=2.8km az=137.3.
IDC Error ellipse: s-maj=13.2km s-min=7.6km az=58.0.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta= 67, comp= 95, per= 50. Moment Tensor Solution. s43,c49; s66,c74; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{r\phi}$0.00 Best double couple: NP1:ϕ_s338.00000°,δ4.00000° ,λ112.00000°. NP2:ϕ_s136.00000°,δ86.00000°,λ88.00000°. Principal axes: T 1.3000,Plg49.0000°,Azm45.0000°; N 0.0500,Plg2.0000°,Azm136.0000° ; P -1.3600,Plg41.0000°,Azm228.0000° $M_0$1.30000×10^{17}
ISC VI 11 00 18 17.4–.94 4.9S–.20 102.9E–.20 59 4.4b 29 23-145
IDC VI 11 00 18 09.7–1.3 4.87S 102.82E 0 4.5s,4.5 **¶13681135**
ISCJB VI 11 00 18 15.0–.81 4.9S–.10 102.8E–.20 59 4.6s,4.5b
NEIC VI 11 00 18 14.2–1.0 4.94S 102.84E 35 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=46.6km s-min=18.5km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=11.3km az=142.3.
NEIC Event type se. Error ellipse: s-maj=33.0km s-min=13.4km az=48.0.
IDC VI 13 14 16 32.3–.84 4.33S 101.30E 0 4.3,4.2
¶16101280
IDC Error ellipse: s-maj=26.0km s-min=15.3km az=54.0.
ISC VI 16 06 54 07.8–.89 4.9S–.10 103.0E–.10 59 3.9b 22 1-145
IDC VI 16 06 53 58.2–1.4 5.14S 102.41E 0 4.1,4.0 **¶13681472**
DJA VI 16 06 54 07.8–1.0 5S–7.0 103E–6.0 22–7 4.3,4.3
ISC Event type ke.
ISC VI 20 09 21 25.0–.21 4.93S–.03 103.12E–.03 55–1 5.8b,4.7s 1605 1-177
MOS VI 20 09 21 21.4–.93 4.80S 103.18E 33 6.1b,4.7s **¶13383522**
BJI VI 20 09 21 23.5 5.00S 103.00E 43 5.9b,5.3b
NEIC VI 20 09 21 23.9–.56 4.99S 103.05E 46–4 5.8b,5.4W
DJA VI 20 09 21 25.2–.30 5S–2.0 103E–2.0 48–3 6.1b,6.0
TEH VI 20 09 21 25.0 4.97S 103.04E 55 5.6L,6.0
ISCJB VI 20 09 21 25.1–.34 4.95S–.02 103.10E–.02 69–2 5.8b,6.0
IDC VI 20 09 21 25.7–.35 4.90S 103.17E 59–2 5.4,5.4b

GCMT VI 20 09 21 27.5–.10 5.31S 102.89E 60–0 5.4W,5.4b
ISC Event type fe.
MOS Error ellipse: s-maj=7.6km s-min=4.2km az=117.7.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=54.0. Felt [V] at Bintuhan, [IV] at Bengkulu and [III] at Kapahiang, Liwa, Pagaralam and Pasarseluma. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}1.68 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$-1.09 $M_{r\theta}$0.61 $M_{\theta\phi}$0.50 $M_{\phi r}$-0.21 Best double couple: NP1:ϕ_s337.00000°,δ37.00000°,λ107.00000°. NP2: ϕ_s136.00000°,δ55.00000°,λ78.00000°. Principal axes: T 1.8400,Plg76.0000°,Azm7.0000° ; N -0.3500,Plg10.0000°,Azm143.0000°; P -1.4800,Plg9.0000°,Azm235.0000° $M_0$1.70000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=37.1.
IDC Error ellipse: s-maj=8.2km s-min=6.1km az=49.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 87, comp=159, per= 50. Moment Tensor Solution. s91,c159; s16,c16; Moment tensor: Scale 10^{17}Nm; M_{rr}1.28±.03 $M_{\theta\theta}$-1.01±.02; $M_{\phi\phi}$-0.27±.03; $M_{r\theta}$0.78±.02; $M_{\theta\phi}$0.83±.02; $M_{\phi r}$-0.37±.02; Best double couple: NP1:ϕ_s309.00000°,δ30.00000°,λ100.00000°. NP2:ϕ_s118.00000°,δ61.00000°,λ84.00000°. Principal axes: T 1.5300,Plg74.0000°,Azm14.0000°; N 0.2600,Plg5.0000°,Azm121.0000° ; P -1.7900,Plg16.0000°,Azm212.0000° $M_0$1.70000×10^{17}

IDC	**VI**	**21 12 05 28.3–3.3**	**3.64S**	**101.11E**	**0**	**4.0,3.9**			**¶16101568**
IDC		Error ellipse: s-maj=148.9km s-min=17.2km az=55.0.							
IDC	**VI**	**21 23 29 52.7–1.8**	**4.94S**	**101.76E**	**0**	**3.6,3.5**			**¶16101592**
IDC		Error ellipse: s-maj=78.9km s-min=21.2km az=49.0.							
ISC	**VI**	**22 21 25 30.5–.47**	**4.26S–.05**	**102.18E–.06**	**51–3**	**4.7b,4.5s**	**180**	**1-147**	
IDC	VI	22 21 25 23.3–.53	4.23S	102.17E	0	4.7,4.6b			**¶13217752**
MOS	VI	22 21 25 26.4–1.1	4.22S	102.28E	33	4.8b,4.6b			
BJI	VI	22 21 25 28.2	4.30S	102.20E	50	5.1b,4.8s			
NEIC	VI	22 21 25 30.4–.60	4.26S	102.20E	52–5	4.6b,4.8s			
ISCJB	VI	22 21 25 30.5–.67	4.25S–.04	102.24E–.05	68–5	4.5b,4.8s			
DJA	VI	22 21 25 35.0–.70	4S–5.0	103E–7.0	33–5	5.2b,4.8b			
ISC		Event type fe.							
NEIC		Event type fe. Felt [II] at Bengkulu.							
ISCJB		Event type fe.							
ISC	**VI**	**25 09 15 45.2–.42**	**1.27S–.04**	**98.68E–.05**	**33–1**	**5.0b,4.2s**	**305**	**2-153**	
BJI	VI	25 09 15 39.7	1.75S	98.83E	35	5.2b,4.9b			**¶13256747**
IDC	VI	25 09 15 40.4–.45	1.20S	98.73E	0	4.6,4.6			
ISCJB	VI	25 09 15 42.2–.98	1.25S–.03	98.66E–.03	25–6	4.9b,4.2s			
DJA	VI	25 09 15 43.2–1.5	1S–4.0	99E–4.0	10	5.2,5.2b			
MOS	VI	25 09 15 43.5–1.0	1.20S	98.72E	33	5.2b,5.2b			
NEIC	VI	25 09 15 46.5–1.1	1.20S	98.79E	44–8	5.0b,5.2b			
ISC		Event type fe.							
IDC		Error ellipse: s-maj=15.5km s-min=11.1km az=65.0.							
ISCJB		Event type fe. Error ellipse: s-maj=6.0km s-min=4.8km az=40.3.							
MOS		Error ellipse: s-maj=13.3km s-min=5.6km az=106.3.							
NEIC		Event type fe. Error ellipse: s-maj=9.2km s-min=4.7km az=51.0. Felt [III] in the Kepulauan Mentawai.							
DJA	**VI**	**25 16 08 29.4–1.2**	**3S–9.0**	**103E–5.0**	**30**	**4.0,4.0**			**¶15853061**
ISC	**VI**	**26 09 46 06.2–1.7**	**5.1S–.20**	**104.6E–.10**	**100**	**4.0b**	**9**	**0-44**	
IDC	VI	26 09 45 00.0–34	0.96S	100.27E	0	4.1,3.9			**¶16101744**
ISCJB	VI	26 09 46 05.7–.95	5.1S–.30	104.7E–.20	100	3.8b,3.9			
DJA	VI	26 09 46 06.6–.50	5S–15	105E–10	88–13	3.7,3.7			
ISC		Event type ke.							
ISCJB		Event type ke.							
IDC	**VI**	**27 02 05 17.8–6.2**	**4.57S**	**101.83E**	**0**	**3.9,3.7**			**¶16101769**
IDC		Error ellipse: s-maj=229.7km s-min=28.2km az=62.0.							
IDC	**VI**	**27 02 22 35.1–4.4**	**4.00S**	**102.14E**	**0**	**3.7,3.5**			**¶16101771**
IDC		Error ellipse: s-maj=237.4km s-min=28.1km az=53.0.							
IDC	**VI**	**27 16 54 57.4–4.9**	**4.75S**	**102.45E**	**0**	**3.6,3.4**			**¶16101790**
IDC		Error ellipse: s-maj=201.2km s-min=26.6km az=55.0.							

(275) Java Sea.

ISC	**I**	**22 02 04 24.8–.60**	**5.6S–.10**	**108.4E–.10**	**400**	**3.8b**	**36**	**1-82**	
ISCJB	I	22 02 04 23.9–.36	5.58S–.09	108.5E–.10	400	3.7b			**¶12082022**
IDC	I	22 02 04 25.5–1.9	5.67S	108.40E	408–20	3.4b,3.4			
DJA	I	22 02 04 31	6.82S	108.61E	383	3.7,3.4			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=17.6km s-min=6.6km az=141.6.							
IDC		Error ellipse: s-maj=30.9km s-min=8.9km az=55.0.							
ISC	**III**	**31 16 18 30.4–.48**	**5.90S–.06**	**110.73E–.06**	**567–5**	**3.8b**	**121**	**1-150**	
ISCJB	III	31 16 18 30.0–.21	5.95S–.04	110.71E–.03	575–3	3.7b			**¶15153487**
IDC	III	31 16 18 30.8–1.2	5.83S	110.76E	567–14	3.4,3.3			
DJA	III	31 16 18 31.1–.30	6S–5.0	111E–2.0	570–4	4.9b,4.5			
AUST	III	31 16 18 31.5	5.94S	110.95E	600	4.9b,4.5			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=6.9km s-min=4.4km az=16.2.							
IDC		Error ellipse: s-maj=14.4km s-min=9.2km az=61.0.							
ISC	**V**	**01 19 27 11.5–2.7**	**5.6S–.60**	**110.0E–.90**	**556**	**2.9b**	**6**	**2-63**	
IDC	V	01 19 27 11.4–7.0	5.58S	109.95E	554–100	2.5,2.5			**¶16154714**
ISC		Event type ke.							
IDC		Error ellipse: s-maj=141.7km s-min=19.1km az=56.0.							
IDC	**V**	**14 10 00 41.2–2.5**	**5.64S**	**115.03E**	**637–32**	**2.9,2.8**			**¶16155738**
IDC		Error ellipse: s-maj=64.6km s-min=17.7km az=53.0.							
IDC	**VI**	**30 02 07 02.3–3.1**	**5.76S**	**111.67E**	**566–41**	**3.2,3.0**			**¶16101883**
IDC		Error ellipse: s-maj=40.2km s-min=15.0km az=56.0.							

(276) Sunda Strait.

ISC	**II**	**17 18 32 35.2–1.0**	**6.20S–.07**	**104.99E–.05**	**51**	**3.9b**	**30**	**1-62**	
IDC	II	17 18 32 25.0–3.7	6.85S	103.53E	0	3.9,3.7			**¶12701043**
ISCJB	II	17 18 32 34.4–.65	6.14S–.08	105.01E–.06	51	3.8b,3.7			
DJA	II	17 18 32 34	6.14S	105.10E	10	4.3,3.7			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=193.2km s-min=20.7km az=52.0.							
ISCJB		Event type ke. Error ellipse: s-maj=13.0km s-min=3.8km az=33.9.							
ISC	**III**	**03 20 59 24.0–1.5**	**6.52S–.08**	**104.43E–.08**	**10**	**3.5b**	**14**	**1-62**	
ISCJB	III	03 20 59 24.9–1.1	6.50S–.06	104.41E–.06	10	3.6b			**¶12702383**
IDC	III	03 20 59 24.9–13	5.20S	105.71E	0	3.7,3.6b			
DJA	III	03 20 59 25.9–1.1	6S–3.0	104E–4.0	8–9	3.9,3.9			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**III**	**07 07 07 00.7–1.1**	**7.0S–.10**	**105.30E–.08**	**56**	**3.6b**	**14**	**1-145**	
IDC	III	07 07 06 53.4–3.3	6.72S	105.48E	0	3.9,3.7b			**¶12702623**
DJA	III	07 07 06 57.9–.50	7S–4.0	105E–4.0	23	4.1,4.1			
ISCJB	III	07 07 06 59.2–.94	7.09S–.08	105.26E–.08	56	3.7b,4.1			
ISC		Event type ke.							
ISCJB		Event type ke.							
DJA	**IV**	**20 16 31 48.5–.70**	**6S–4.0**	**105E–4.0**	**23–7**	**3.8,3.8**			**¶15852904**
ISC	**V**	**13 20 58 42.4–.90**	**6.99S–.09**	**105.43E–.07**	**56**	**3.8b**	**26**	**0-91**	
IDC	V	13 20 58 35.6–1.6	6.70S	105.53E	0	3.9,3.8			**¶13678894**
DJA	V	13 20 58 39.8–.90	7S–4.0	105E–3.0	10	4.2,4.2			
ISCJB	V	13 20 58 39.7–.73	7.04S–.07	105.26E–.05	56	3.8b,4.2			
ISC		Event type ke.							
ISCJB		Event type ke.							
ISC	**V**	**18 13 17 22.4–.88**	**6.74S–.04**	**105.32E–.05**	**70–7**	**4.0b**	**59**	**0-145**	
AUST	V	18 13 17 20.6	6.86S	105.40E	10	4.0b			**¶15154383**
ISCJB	V	18 13 17 22.0–.44	6.78S–.04	105.32E–.04	71–4	3.9b			
DJA	V	18 13 17 25.2–.40	7S–5.0	105E–3.0	47–5	5.2b,4.7b			
IDC	V	18 13 17 28.4–3.7	6.19S	105.75E	113–31	3.7,3.6			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=8.7km s-min=4.9km az=41.8.							
IDC		Error ellipse: s-maj=38.9km s-min=11.1km az=50.0.							
DJA	**VI**	**07 13 34 11.0–.50**	**6S–12**	**105E–6.0**	**10**	**3.5,3.5**			**¶15853019**
ISC	**VI**	**09 13 52 11.2–1.7**	**6.31S–.05**	**105.14E–.04**	**3–11**	**4.1b**	**36**	**1-144**	
IDC	VI	09 13 52 11.0–.73	6.01S	105.16E	0	4.1,4.0			**¶13681048**
DJA	VI	09 13 52 14.0–.40	6S–4.0	105E–3.0	10	4.5,4.5			
ISC		Event type ke.							
IDC	**VI**	**09 13 53 43.2–5.1**	**5.47S**	**105.85E**	**0**	**3.8,3.6**			**¶16101151**
IDC		Error ellipse: s-maj=197.2km s-min=27.8km az=62.0.							
ISC	**VI**	**09 15 18 21.1–.60**	**5.91S–.06**	**105.44E–.05**	**26**	**4.0b,3.4s**	**28**	**1-146**	
IDC	VI	09 15 18 17.6–.77	5.87S	105.47E	0	4.1,4.0			**¶13681054**
DJA	VI	09 15 18 20.3–.50	6S–5.0	105E–4.0	10	4.4,4.4			
ISC		Event type ke.							
ISC	**VI**	**09 15 30 41.0–2.1**	**5.7S–.50**	**106.0E–.30**	**147**			**5**	**0-75**
DJA	VI	09 15 30 45.2–1.2	6S–25	106E–14	68–20	3.5,3.5			**¶13681057**
IDC	VI	09 15 30 51.5–40	6.31S	105.99E	0	3.8,3.6			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=683.5km s-min=175.1km az=133.0.							
ISC	**VI**	**20 04 00 27.6–.34**	**5.50S–.04**	**105.62E–.04**	**192–2**	**4.5b**	**246**	**0-150**	
BJI	VI	20 04 00 25.6	5.40S	105.60E	174	4.9b,4.6b			**¶13306146**
NEIC	VI	20 04 00 26.8–.75	5.42S	105.59E	184–6	4.6b,4.6b			
ISCJB	VI	20 04 00 27.9–.26	5.50S–.03	105.62E–.03	208–2	4.3b,4.6b			
IDC	VI	20 04 00 28.7–.72	5.38S	105.67E	199–6	4.1,4.1			
DJA	VI	20 04 00 30.7–.30	6S–3.0	106E–2.0	177–4	5.1b,4.6b			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							
ISC	**VI**	**24 16 00 34.3–.39**	**6.99S–.04**	**104.93E–.05**	**48–2**	**4.7b,4.2s**	**252**	**2-150**	
IDC	VI	24 16 00 27.5–.40	6.86S	105.12E	0	4.5,4.5			**¶13232448**
NEIC	VI	24 16 00 30.2–1.4	6.85S	105.06E	17–7	4.8b,4.5			
BJI	VI	24 16 00 32.0	6.90S	105.00E	48	4.9b,4.7b			
MOS	VI	24 16 00 32.2–1.0	6.47S	105.27E	33	5.0b,4.2s			
DJA	VI	24 16 00 32.1–1.1	7S–3.0	105E–3.0	22–11	5.8,5.2b			
ISCJB	VI	24 16 00 33.8–.60	7.02S–.04	104.95E–.04	59–5	4.6b,4.2s			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							
ISC	**VI**	**24 19 09 21.4–.46**	**6.82S–.08**	**105.06E–.06**	**23**	**4.5b,3.8s**	**149**	**1-150**	
BJI	VI	24 19 09 10.8	7.84S	105.07E	20	4.9b,4.7b			**¶13256721**
IDC	VI	24 19 09 17.7–.56	6.78S	105.10E	0	4.6,4.5b			
ISCJB	VI	24 19 09 19.8–.36	6.91S–.07	104.87E–.05	23	4.5b,3.8s			
DJA	VI	24 19 09 20.8–1.4	7S–3.0	105E–4.0	12–10	5.1b,4.9			
MOS	VI	24 19 09 21.8–.96	6.62S	105.25E	33	4.8b,4.9			
NEIC	VI	24 19 09 23.0–4.2	6.77S	105.12E	35–29	4.6b,4.9			
ISC		Event type se.							
IDC		Error ellipse: s-maj=20.6km s-min=11.0km az=50.0.							
ISCJB		Event type se. Error ellipse: s-maj=10.6km s-min=4.5km az=30.9.							
MOS		Error ellipse: s-maj=15.0km s-min=7.8km az=113.9.							
NEIC		Event type se. Error ellipse: s-maj=12.4km s-min=5.7km az=54.0.							

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ISC	**I**	**02 07 54 36.7–.54**	**6.16S–.07**	**113.89E–.07**	**550**	**3.9b**	**51**	**1-147**	
ISCJB	I	02 07 54 35.4–.32	6.16S–.06	113.91E–.08	550	4.0b			**¶12079808**
IDC	I	02 07 54 36.9–.80	6.11S	113.95E	550–9	3.5,3.4b			
DJA	I	02 07 54 36	6.65S	113.91E	557	4.0,3.4b			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=10.6km s-min=6.7km az=155.3.							
IDC		Error ellipse: s-maj=23.7km s-min=8.4km az=61.0.							
IDC	**I**	**03 19 07 06.6–3.8**	**5.84S**	**106.00E**	**0**	**3.5,3.4b**			
DJA	I	03 19 07 11	6.79S	105.11E	10	3.6,3.4b			**¶12079922**
IDC		Error ellipse: s-maj=225.6km s-min=26.8km az=52.0.							
IDC	**I**	**05 11 46 20.0–3.6**	**5.69S**	**107.79E**	**322–42**	**3.3,3.2b**			**¶12080367**
IDC		Error ellipse: s-maj=144.7km s-min=14.4km az=51.0.							
ISC	**I**	**06 14 06 06.7–1.2**	**7.9S–.20**	**106.9E–.20**	**46**	**3.5b**	**11**	**1-144**	
IDC	I	06 14 06 00.5–2.7	7.65S	106.93E	0	3.7,3.6b			**¶12080517**
DJA	I	06 14 06 10	7.88S	107.32E	31	4.2,3.6b			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=136.8km s-min=18.6km az=54.0.							
ISC	**I**	**06 14 36 13.0–2.0**	**7.8S–.10**	**107.9E–.10**	**64–17**	**4.0b**	**48**	**1-150**	
IDC	I	06 14 36 04.5–.64	7.75S	107.88E	0	4.1,4.0			**¶12080519**
NEIC	I	06 14 36 11.0–3.3	7.77S	107.92E	45–29	4.1b,4.0			
DJA	I	06 14 36 13	8.12S	107.98E	33	4.7,4.0			
ISC		Event type fe.							
IDC		Error ellipse: s-maj=30.8km s-min=14.6km az=51.0.							
NEIC		Event type fe. Error ellipse: s-maj=18.3km s-min=8.0km az=54.0. Felt [III] at Pangandaran.							
ISC	**I**	**07 21 00 38.2–.82**	**7.1S–.10**	**105.20E–.08**	**23**	**3.8b**	**42**	**1-145**	
IDC	I	07 21 00 35.0–1.2	6.91S	105.26E	0	3.9,3.8b			**¶12080677**
NEIC	I	07 21 00 39.9–.77	6.97S	105.22E	35	3.9b,3.8b			
DJA	I	07 21 00 39	7.24S	105.18E	10	4.3,3.8b			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=53.5km s-min=16.6km az=52.0.							
NEIC		Event type se. Error ellipse: s-maj=39.8km s-min=8.0km az=49.0.							
ISC	**I**	**11 21 31 30.6–.90**	**5.90S–.08**	**106.05E–.08**	**172–8**	**4.3b**	**87**	**0-144**	
IDC	I	11 21 31 29.6–5.0	5.72S	106.06E	157–44	4.0,3.9b			**¶12081065**
DJA	I	11 21 31 31	6.22S	105.94E	166	4.1,3.9b			
NEIC	I	11 21 31 32.1–2.2	5.76S	106.05E	186–20	4.1b,3.9b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=33.1km s-min=10.8km az=58.0.							
NEIC		Event type se. Error ellipse: s-maj=21.1km s-min=5.3km az=49.0.							
DJA	**I**	**12 20 46 12**	**8.35S**	**108.49E**	**24**	**4.1**			**¶12933438**
ISC	**I**	**16 05 04 43.4–.38**	**7.32S–.05**	**109.25E–.04**	**195–2**	**4.3b**	**188**	**0-151**	
ISCJB	I	16 05 04 42.1–.25	7.35S–.04	109.25E–.03	195–2	4.2b			**¶11596030**
NEIC	I	16 05 04 43.0–.74	7.12S	109.24E	192–6	4.5b			
BJI	I	16 05 04 43.2	7.20S	109.20E	188	4.9b,4.6b			
DJA	I	16 05 04 44	7.58S	109.24E	176	4.9,4.6b			
IDC	I	16 05 04 44.4–.64	7.08S	109.40E	205–5	3.9,3.9			
ISC		Event type fe.							
ISCJB		Event type fe. Error ellipse: s-maj=7.3km s-min=4.1km az=22.7.							
NEIC		Event type fe. Error ellipse: s-maj=9.3km s-min=5.2km az=57.0. Felt [II] at Pangandaran.							
IDC		Error ellipse: s-maj=16.4km s-min=6.4km az=48.0.							
ISC	**I**	**16 20 40 28.6–.93**	**7.9S–.10**	**108.0E–.10**	**108–7**	**4.0b**	**40**	**0-143**	
NEIC	I	16 20 40 17.1–.70	7.66S	108.13E	10	4.3b			**¶12081477**
DJA	I	16 20 40 30	7.65S	106.94E	29	4.5			
IDC	I	16 20 40 36.7–1.3	7.43S	108.61E	176–8	3.6,3.4b			
ISC		Event type fe.							
NEIC		Event type fe. Error ellipse: s-maj=39.1km s-min=7.6km az=49.0. Felt [III] at Cianjur.							
IDC		Error ellipse: s-maj=50.1km s-min=9.7km az=47.0.							
ISC	**I**	**16 20 41 03.7–1.1**	**8.3S–.20**	**112.40E–.07**	**110–10**			**24**	**0-56**
ISCJB	I	16 20 41 03.1–.76	8.3S–.20	112.38E–.08	121–5				**¶12933481**
DJA	I	16 20 41 06	8.27S	112.40E	90	4.2			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=29.4km s-min=10.1km az=19.6.							
IDC	**I**	**19 21 11 29.4–2.2**	**8.54S**	**113.62E**	**0**	**3.7,3.6**			
DJA	I	19 21 11 41	8.78S	113.63E	62	3.9,3.6			**¶12081801**
IDC		Error ellipse: s-maj=140.5km s-min=18.9km az=55.0.							
IDC	**I**	**20 00 26 46.5–2.5**	**7.58S**	**106.34E**	**0**	**3.8,3.6b**			
DJA	I	20 00 26 50	7.83S	106.06E	10	3.7,3.6b			**¶12933506**
IDC		Error ellipse: s-maj=142.3km s-min=20.1km az=48.0.							
ISC	**I**	**20 02 24 56.9–.92**	**7.79S–.08**	**106.27E–.07**	**45–7**	**4.5b,3.5s**	**81**	**1-151**	
IDC	I	20 02 24 50.5–.92	7.71S	106.25E	0	4.4,4.3			**¶12081820**
DJA	I	20 02 24 53	7.95S	106.06E	10	4.5,4.3			
ISCJB	I	20 02 24 55.0–1.2	7.86S–.09	106.11E–.07	53–8	4.4b,3.6s			
NEIC	I	20 02 24 55.1–.40	7.85S	106.09E	35	4.5b,3.6s			
ISC		Event type se.							
IDC		Error ellipse: s-maj=45.1km s-min=14.3km az=50.0.							
ISCJB		Event type se. Error ellipse: s-maj=18.0km s-min=5.7km az=38.4.							
NEIC		Event type se. Error ellipse: s-maj=16.1km s-min=6.2km az=222.0.							
ISC	**I**	**20 03 16 09.8–1.0**	**7.83S–.08**	**106.18E–.06**	**31**	**3.9b**	**21**	**1-145**	
IDC	I	20 03 16 04.6–1.8	7.75S	106.16E	0	3.9,3.8			**¶12081823**
DJA	I	20 03 16 06	8.15S	106.22E	10	4.1,3.8			
ISCJB	I	20 03 16 08.5–.73	7.97S–.06	106.12E–.05	31	3.8b,3.5s			
ISC		Event type ke.							

ISCJB Event type ke.
ISC I 20 17 34 12.6–.56 8.22S–.07 112.04E–.05 119–4 4.6b 140 0-149
BJI I 20 17 34 10.8 8.30S 112.00E 120 5.0b,4.5b **¶11613361**
ISCJB I 20 17 34 12.1–.32 8.19S–.05 112.07E–.03 132–3 4.4b,4.5b
NEIC I 20 17 34 12.7–1.2 8.08S 112.10E 118–10 4.5b,4.5b
IDC I 20 17 34 13.0–.76 8.07S 112.06E 116–5 4.2,4.2
DJA I 20 17 34 13 8.46S 112.06E 82 4.9,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.5km az=16.4.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=5.9km az=47.0.
IDC Error ellipse: s-maj=25.0km s-min=10.9km az=55.0.
ISC I 25 08 32 17.2–.81 6.7S–.10 107.0E–.10 95 4.2b 19 1-143
IDC I 25 08 32 18.3–2.9 6.77S 107.05E 114–22 3.9,3.7 **¶12082295**
DJA I 25 08 32 19 7.27S 106.72E 108 4.6,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=60.6km s-min=14.0km az=51.0.
IDC I 25 20 09 12.9–2.3 8.18S 112.11E 0 3.9,3.8b
DJA I 25 20 09 29 8.58S 112.22E 91 3.6,3.8b **¶12082324**
IDC Error ellipse: s-maj=142.9km s-min=19.3km az=52.0.
ISC I 27 19 23 36.1–.64 6.4S–.10 108.21E–.10 300 3.9b 42 1-149
ISCJB I 27 19 23 34.3–.40 6.42S–.09 108.21E–.09 300 3.9b **¶12082509**
DJA I 27 19 23 35 6.59S 108.22E 287 4.2
IDC I 27 19 23 36.5–1.7 6.30S 108.20E 300–16 3.8,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=5.7km az=44.7.
IDC Error ellipse: s-maj=25.8km s-min=7.7km az=53.0.
IDC II 03 13 48 56.0–2.4 8.59S 110.52E 0 3.7,3.7
DJA II 03 13 49 01 9.18S 109.72E 28 4.0,3.7 **¶12699471**
IDC Error ellipse: s-maj=139.1km s-min=16.9km az=51.0.
IDC II 04 14 08 57.3–2.0 8.06S 112.98E 0 3.7,3.6
DJA II 04 14 09 04 9.01S 112.21E 25 4.2,3.6 **¶12699535**
IDC Error ellipse: s-maj=129.2km s-min=19.3km az=52.0.
IDC II 04 18 33 29.4–2.8 7.16S 106.83E 0 3.8,3.6b
DJA II 04 18 33 46 7.88S 107.00E 125 4.0,3.6b **¶12699549**
IDC Error ellipse: s-maj=144.3km s-min=26.7km az=51.0.
IDC II 05 21 39 14.0–3.1 8.11S 111.95E 0 3.5,3.3
DJA II 05 21 39 18 8.98S 111.26E 40 4.0,3.3 **¶12699625**
IDC Error ellipse: s-maj=182.0km s-min=27.7km az=49.0.
ISC II 08 07 35 37.1–.88 7.89S–.09 113.65E–.08 214–8 3.7b 25 0-115
ISCJB II 08 07 35 36.3–.45 7.8S–.10 113.66E–.09 221–5 3.6b **¶12699771**
IDC II 08 07 35 38.0–3.2 7.78S 113.62E 220–29 3.6,3.5
DJA II 08 07 35 40 8.03S 113.63E 179 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=11.9km az=33.9.
IDC Error ellipse: s-maj=49.7km s-min=11.4km az=52.0.
ISC II 17 03 44 22.2–.74 8.36S–.08 112.45E–.03 138–6 3.7b 42 0-144
IDC II 17 03 44 05.4–1.9 8.25S 112.02E 0 4.0,3.8 **¶12700975**
ISCJB II 17 03 44 22.4–.46 8.45S–.08 112.43E–.03 132–5 3.6b,3.8
DJA II 17 03 44 26 8.07S 112.49E 106 3.7,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=110.2km s-min=18.4km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=3.8km az=9.9.
IDC II 19 02 56 29.3–9.6 7.08S 113.34E 0 4.3,4.1
¶15956683
IDC Error ellipse: s-maj=168.6km s-min=138.6km az=178.0.
DJA II 26 12 10 50.0–.70 8S–5.0 109E–2.0 39–8 3.6,3.6
IDC II 26 12 11 08.2–2.7 9.49S 112.26E 0 3.2,3.1 **¶15829547**
IDC Error ellipse: s-maj=139.6km s-min=27.1km az=47.0.
ISC II 27 12 26 05.5–5.5 7.3S–.40 107.7E–.30 100 3.7b 7 0-55
DJA II 27 12 26 07 7.59S 107.46E 46 3.9 **¶12933805**
IDC II 27 12 26 24.3–13 6.09S 109.11E 296–140 3.4,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=144.8km s-min=25.9km az=56.0.
ISC II 27 23 04 52.1–.80 7.9S–.10 107.95E–.08 70 3.9b 19 0-117
IDC II 27 23 04 43.3–.84 7.68S 108.03E 0 3.9,3.8 **¶12702056**
ISCJB II 27 23 04 50.9–.76 7.99S–.09 107.88E–.07 70 3.7b,3.8
DJA II 27 23 04 50.9–.70 8S–6.0 108E–4.0 20–8 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC II 28 10 01 21.9–.99 8.55S–.09 108.58E–.05 55 4.1b 24 1-65
IDC II 28 10 01 11.7–2.6 8.21S 108.33E 0 4.1,4.0 **¶12702090**
ISCJB II 28 10 01 20.5–.66 8.63S–.06 108.57E–.05 55 3.9b,2.8s
DJA II 28 10 01 25 8.20S 108.66E 60 4.1,2.8s
ISC Event type ke.
IDC Error ellipse: s-maj=127.5km s-min=16.8km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.5km az=31.1.
ISC II 28 11 14 52.5–1.9 8.0S–.40 113.7E–.10 150 3.8b 10 1-66
IDC II 28 11 14 55.0–3.7 8.18S 113.96E 147–30 3.7,3.5 **¶12702094**
DJA II 28 11 15 03 7.59S 113.07E 10 4.4,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=104.8km s-min=12.6km az=53.0.
DJA III 02 12 50 53.3–.60 7S–14 106E–8.0 123–7 4.0,4.0
¶15850232
IDC III 04 20 37 40.1–2.6 8.87S 108.29E 0 3.6,3.5b
¶12702453
IDC Error ellipse: s-maj=117.6km s-min=20.4km az=50.0.
ISC III 08 21 22 06.3–1.3 7.40S–.04 106.10E–.03 33–5 3.7b 38 1-81
IDC III 08 21 22 02.1–4.6 6.62S 106.05E 0 3.6,3.6 **¶15153102**
ISCJB III 08 21 22 05.9–.83 7.43S–.03 106.02E–.03 26–7 3.6b,3.6
AUST III 08 21 22 06.3 7.36S 105.89E 25 3.6b,3.6
DJA III 08 21 22 09.0–.40 7S–3.0 106E–2.0 21–4 4.5b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC III 10 05 41 55.6–1.4 7.4S–.10 105.99E–.07 57–12 4.2b 49 1-146
IDC III 10 05 41 48.1–.93 7.32S 106.07E 0 4.2,4.1 **¶12702850**
NEIC III 10 05 41 49.5–.44 7.33S 106.04E 10 4.3b,4.1
DJA III 10 05 41 51.9–.80 8S–3.0 106E–2.0 23–8 5.0b,4.8b
ISCJB III 10 05 41 55.1–.94 7.39S–.09 106.05E–.06 73–7 4.1b,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC III 11 19 12 09.2–.93 8.84S–.06 108.68E–.04 49–8 4.7b 163 1-155
IDC III 11 19 12 02.7–.58 8.72S 108.82E 0 4.5,4.5 **¶15153161**
BJI III 11 19 12 03.4 8.90S 108.60E 30 5.1b,5.0s
DJA III 11 19 12 06.9–.80 9S–2.0 109E–2.0 13–7 5.2b,4.9b
MOS III 11 19 12 06.2–1.1 8.57S 109.02E 33 5.0b,4.9b
ISCJB III 11 19 12 06.7–.48 8.96S–.04 108.62E–.03 53–4 4.6b,4.9b
AUST III 11 19 12 06.5–2.0 8.89S 108.50E 33–0 4.6b,4.9b
NEIC III 11 19 12 07.8–.26 8.74S 108.79E 35 4.7b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=12.9km az=60.0.
MOS Error ellipse: s-maj=16.8km s-min=7.8km az=113.8.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.9km az=17.9.
AUST Error ellipse: s-maj=1.0km s-min=0.7km az=354.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=4.8km az=53.0.
DJA III 11 23 43 55.5–.50 9S–3.0 111E–2.0 29–4 3.9,3.9
¶15850275
DJA III 12 08 10 09.3–.50 8S–3.0 106E–5.0 28 3.8,3.8
¶15850291
ISC III 13 00 52 54.8–1.2 7.6S–.10 106.92E–.06 74–9 4.2b 47 1-146
DJA III 13 00 52 52.5–.60 8S–3.0 107E–2.0 14–4 4.8b,4.8 **¶12703124**
IDC III 13 00 52 52.5–5.5 7.27S 106.97E 49–52 4.0,3.9b
ISCJB III 13 00 52 54.9–.81 7.5S–.10 106.98E–.05 89–6 4.2b,3.9b
ISC Event type ke.
ISCJB Event type ke.
ISC III 13 16 43 45.3–1.4 7.6S–.30 108.87E–.09 151 3.9b 12 0-39
IDC III 13 16 43 24.8–13 6.89S 108.05E 0 4.3,4.2 **¶12703185**
DJA III 13 16 43 46.0–.30 8S–7.0 109E–3.0 81–12 4.0,4.0
ISC Event type ke.
ISC III 19 03 30 12.5–.99 8.7S–.10 109.10E–.07 100 3.7b 13 1-84
DJA III 19 03 30 19.5–.90 8S–14 109E–6.0 86–16 3.6,3.6 **¶12703639**
IDC III 19 03 30 42.8–5.4 7.93S 109.76E 368–57 3.0b,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=68.2km s-min=14.8km az=46.0.
IDC III 19 20 01 14.9–20 6.16S 106.91E 131–184 3.5,3.4b
¶12703719
IDC Error ellipse: s-maj=171.6km s-min=26.7km az=60.0.
IDC III 23 13 03 33.8–11 6.92S 108.95E 172–116 3.5,3.3b
¶12635391
IDC Error ellipse: s-maj=129.9km s-min=16.4km az=54.0.
ISC III 24 14 03 01.2–.97 7.77S–.03 106.37E–.04 47–9 4.4b 77 1-145
BJI III 24 14 02 56.0 8.46S 106.32E 85 4.5b **¶15153390**
IDC III 24 14 02 56.2–.76 7.23S 106.64E 0 4.3,4.3
DJA III 24 14 02 59.2–.80 8S–2.0 106E–2.0 10 5.0b,4.9b
ISCJB III 24 14 03 00.7–.39 7.79S–.03 106.34E–.03 59–4 4.3b,3.9s
AUST III 24 14 03 01.0 7.86S 106.38E 35 4.3b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=13.0km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=151.1.
ISC III 25 00 12 28.8–1.1 8.82S–.10 112.44E–.04 77–10 3.7b 27 1-67
IDC III 25 00 12 18.6–2.6 8.66S 112.37E 0 3.8,3.7b **¶12635504**
ISCJB III 25 00 12 28.3–.64 8.73S–.10 112.45E–.04 93–6 3.6b,3.7b
DJA III 25 00 12 28.8–.80 9S–5.0 112E–2.0 36–8 5.0b,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC III 27 20 53 26.0–.35 7.02S–.04 106.08E–.04 41–2 5.0b,4.1s 395 1-156
MOS III 27 20 53 22.9–1.0 6.85S 106.29E 27 5.2b,4.0s **¶15153436**
ISCJB III 27 20 53 24.0–.18 7.17S–.03 105.85E–.02 35 4.9b,4.1s
NEIC III 27 20 53 26.7–.74 6.96S 106.15E 47–6 4.9b,4.1s
AUST III 27 20 53 27.2–.16 7.28S 105.93E 54–0 4.9b,4.1s
DJA III 27 20 53 28.5–.50 7S–3.0 106E–2.0 28–5 5.9,5.5b
BJI III 27 20 53 28.1 6.72S 105.82E 40 5.0b,4.8b
IDC III 27 20 53 28.0–1.3 6.89S 106.27E 54–10 4.6,4.5
GCMT III 27 20 53 31.1–.30 7.51S 105.83E 69–2 5.0W,4.5
ISC Event type se.
MOS Error ellipse: s-maj=12.0km s-min=5.8km az=116.6.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.9km az=30.2.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=54.0.
AUST Error ellipse: s-maj=0.7km s-min=0.6km az=240.0.
IDC Error ellipse: s-maj=15.0km s-min=7.9km az=49.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s38,c55; s59,c90;
Moment tensor: Scale 10^{16}Nm; M_{rr}1.74±.17 $M_{\theta\theta}$-2.78±.14; $M_{\phi\phi}$1.04±.18; $M_{r\theta}$1.70±.10;
$M_{\theta\phi}$3.15±.12; $M_{\phi r}$0.13±.12; Best double couple: NP1:ϕ_s342.00000°,δ58.00000°,λ164.00000°.
NP2:ϕ_s81.00000°,δ76.00000°,λ34.00000°. Principal axes: T 3.4400,Plg33.0000°
,Azm306.0000°; N 1.4300,Plg54.0000°,Azm100.0000°; P -4.8600,Plg12.0000°
,Azm208.0000° M_o4.20000×10^{16}
ISC III 29 14 07 13.7–1.1 8.15S–.05 113.18E–.02 12–9 3.5b 28 0-61
IDC III 29 14 07 11.4–2.2 7.78S 113.39E 0 3.6,3.4b **¶12635868**
ISCJB III 29 14 07 14.7–.83 8.17S–.05 113.17E–.03 12–6 3.4b,3.4b
DJA III 29 14 07 14.9–.30 8S–3.0 113E–1.0 10 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC III 30 00 20 16.8–.80 6.67S–.08 106.88E–.05 200 3.8b 26 0-58
AUST III 30 00 20 14.2 7.40S 108.41E 20 3.8b **¶15153473**
ISCJB III 30 00 20 15.4–.47 6.7S–.10 106.82E–.05 200 3.8b
IDC III 30 00 20 16.2–13 6.05S 107.21E 178–113 4.0,3.8b
DJA III 30 00 20 17.7–.70 7S–16 107E–7.0 174–9 4.0b,3.7
ISC Event type ke.
ISCJB Event type ke.
DJA IV 04 17 26 40.0–.60 8S–6.0 110E–3.0 10 3.5,3.5
¶15850359
ISC IV 05 22 24 36.1–.93 8.0S–.10 113.13E–.04 10 3.6b 11 0-61
IDC IV 05 22 24 34.4–2.7 8.06S 113.09E 0 3.8,3.5 **¶12934533**
ISCJB IV 05 22 24 38.7–.71 8.04S–.08 113.11E–.05 10 3.6b,3.5
DJA IV 05 22 24 40.7–.30 8S–5.0 113E–2.0 10 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC IV 10 19 29 27.3–.99 8.0S–.10 108.73E–.06 78 3.4b 16 0-59
IDC IV 10 19 29 17.9–2.6 7.99S 108.51E 0 3.5,3.4 **¶12934947**
ISCJB IV 10 19 29 26.3–.77 8.0S–.10 108.74E–.05 78 3.3b,3.4
DJA IV 10 19 29 26.3–1.0 8S–12 109E–4.0 53–16 3.3,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC IV 23 06 47 37.5–.80 8.05S–.06 107.83E–.05 70 3.7b 26 0-118
IDC IV 23 06 47 28.4–2.4 7.95S 107.59E 0 3.8,3.7 **¶15153919**
AUST IV 23 06 47 32.0 7.38S 107.40E 100 3.8,3.7
ISCJB IV 23 06 47 36.1–.50 8.01S–.06 107.77E–.05 70 3.6b,3.7
DJA IV 23 06 47 36.9–.80 8S–5.0 108E–3.0 17–8 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
DJA IV 26 00 41 31.2–.60 7S–12 108E–9.0 10 4.0,4.0
¶15852919
ISC IV 29 21 39 26.1–1.3 8.29S–.06 108.38E–.04 55 20 1-3
ISCJB IV 29 21 39 25.3–.52 8.37S–.06 108.38E–.04 55 **¶15154024**
AUST IV 29 21 39 26.2 8.39S 108.38E 35
DJA IV 29 21 39 28.0–.70 8S–11 108E–4.0 50–17 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC V 02 01 33 59.7–.76 8.47S–.04 107.91E–.03 59–8 4.0b 44 1-144
AUST V 02 01 33 57.8 8.38S 107.88E 60 4.0b **¶15154064**
DJA V 02 01 33 58.7–.70 8S–3.0 108E–2.0 9–6 5.9b,5.5
ISCJB V 02 01 33 58.3–.47 8.48S–.04 107.87E–.03 58–6 3.9b,3.4s
IDC V 02 01 34 05.6–14 8.02S 108.14E 104–127 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.2km az=159.6.
IDC Error ellipse: s-maj=91.1km s-min=23.4km az=52.0.
ISC V 06 05 02 12.4–1.3 7.2S–.10 106.03E–.07 77–11 3.8b 22 1-93
IDC V 06 05 02 01.0–3.3 6.77S 105.97E 0 4.0,3.9b **¶13678424**
ISCJB V 06 05 02 11.2–.88 7.2S–.10 106.02E–.07 89–8 3.7b,3.9b
DJA V 06 05 02 12.9–.60 7S–7.0 106E–4.0 57–6 5.2b,4.7
ISC Event type ke.
ISCJB Event type ke.
ISC V 07 07 03 36.1–.41 8.06S–.05 109.08E–.04 83–2 4.6b 260 0-156
MOS V 07 07 03 32.1–.94 7.86S 109.15E 63 4.9b **¶12824808**
IDC V 07 07 03 33.2–2.4 7.92S 109.08E 56–21 4.3,4.3
DJA V 07 07 03 34.3–.60 8S–3.0 109E–1.0 25–5 6.3,5.7b
BJI V 07 07 03 34.2 8.10S 109.00E 79 5.1b,4.8b
ISCJB V 07 07 03 35.2–.35 8.06S–.04 109.11E–.03 95–2 4.5b,4.8b
NEIC V 07 07 03 37.5–1.1 7.99S 109.04E 96–9 4.4b,4.8b
ISC Event type fe.
MOS Error ellipse: s-maj=13.4km s-min=7.3km az=112.6.
IDC Error ellipse: s-maj=15.5km s-min=10.6km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=3.6km az=22.9.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=5.3km az=54.0. Felt [III] at Cilacap.
ISC V 13 08 50 18.1–.73 8.1S–.10 113.8E–.10 159 3.9b 19 0-156
ISCJB V 13 08 50 16.9–.69 8.1S–.10 113.7E–.10 159 3.9b **¶13678870**
IDC V 13 08 50 18.5–7.2 7.85S 114.05E 159–64 3.7,3.6
DJA V 13 08 50 27.0–.50 8S–6.0 114E–4.0 31–12 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
DJA V 13 18 31 10.3–.30 8S–2.0 110E–1.0 10 3.6,3.6
¶15852953
DJA V 14 02 58 09.1–1.0 9S–5.0 110E–4.0 30–9 3.9,3.9
¶15852957
ISC V 15 00 23 19.4–.67 8.43S–.04 107.88E–.03 38–2 4.4b,3.3s 76 1-149
IDC V 15 00 23 13.9–.66 8.14S 107.96E 0 4.4,4.3 **¶15154332**
ISCJB V 15 00 23 19.7–.43 8.47S–.04 107.89E–.03 66–5 4.2b,4.3
AUST V 15 00 23 19.6–.00 8.42S 107.83E 36–0 4.2b,4.3
NEIC V 15 00 23 19.0–.37 8.15S 108.00E 35 4.8b,4.3
DJA V 15 00 23 23.0–.70 8S–5.0 108E–2.0 34–6 4.6b,4.6
ISC Event type se.
ISCJB Event type se.

NEIC Event type se.
DJA V 15 06 42 15.3–.40 8S–4.0 114E–2.0 10 4.3b,3.6 ¶15852959

ISC V 15 12 38 43.3–1.9 7.0S–.20 111.5E–.10 200 3.2b 12 1-59
DJA V 15 12 38 46.0–.60 7S–9.0 112E–8.0 178 3.2,3.2 **¶13678994**
IDC V 15 12 39 02.6–11 6.94S 113.11E 298–127 2.9,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=167.2km s-min=28.8km az=50.0.
IDC V 16 06 38 36.9–7.3 7.24S 108.22E 0 4.0,3.8 ¶16155798

IDC Error ellipse: s-maj=492.9km s-min=100.1km az=59.0.
ISC V 17 01 37 43.3–.77 6.92S–.07 108.87E–.04 10 3.5b 27 0-58
IDC V 17 01 37 39.2–3.8 7.01S 108.69E 0 3.7,3.5 **¶13679093**
ISCJB V 17 01 37 41.7–.42 6.77S–.05 108.90E–.03 10 3.5b,3.5
DJA V 17 01 37 44.9–.30 7S–3.0 109E–2.0 20–4 6.1b,5.7
ISC Event type ke.
ISCJB Event type ke.
ISC V 17 22 51 27.6–1.3 8.55S–.06 107.88E–.05 55 18 1-4
ISCJB V 17 22 51 25.7–1.5 8.7S–.10 107.87E–.07 55 **¶15852966**
DJA V 17 22 51 25.7–1.1 9S–5.0 108E–4.0 17–11 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC V 17 23 08 12.1–1.2 8.06S–.06 110.42E–.03 9–9 3.3b 26 0-37
DJA V 17 23 08 13.6–.30 8S–3.0 110E–2.0 10 3.5,3.5 **¶13679144**
IDC V 17 23 08 28.5–8.6 8.95S 112.17E 0 3.5,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=149.6km s-min=125.2km az=176.0.
DJA V 18 08 15 19.0–.70 8S–9.0 110E–4.0 57–18 3.8,3.8 ¶15852970

IDC V 19 02 28 48.0–3.8 8.04S 111.43E 0 3.5,3.4 ¶16155894

IDC Error ellipse: s-maj=166.9km s-min=30.8km az=50.0.
ISC V 19 09 10 17.8–2.8 8.77S–.09 108.63E–.05 7–18 4.0b 25 1-60
IDC V 19 09 10 15.9–2.5 8.66S 108.48E 0 4.2,4.1 **¶13679227**
DJA V 19 09 10 18.2–1.0 9S–4.0 109E–2.0 18–11 3.9,3.9
ISC Event type ke.
ISC V 22 08 52 00.6–.79 8.70S–.08 111.04E–.04 101–7 3.8b 37 1-66
IDC V 22 08 51 47.5–2.6 8.48S 110.96E 0 3.9,3.8 **¶15154465**
AUST V 22 08 51 58.7 8.92S 110.89E 35 3.9,3.8
ISCJB V 22 08 52 00.0–.57 8.8S–.10 111.15E–.05 98–11 3.7b,3.8
DJA V 22 08 52 04.2–.60 9S–12 111E–3.0 59–11 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC V 26 17 24 02.2–1.1 8.14S–.06 107.88E–.04 69–12 24 1-37
ISCJB V 26 17 24 02.8–.49 8.18S–.06 107.87E–.04 50–17 **¶15155530**
DJA V 26 17 24 02.9–.60 8S–4.0 108E–2.0 24–5 3.8,3.8
AUST V 26 17 24 03.6 8.38S 107.88E 60 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.2km az=155.5.
DJA V 27 12 46 09.6–2.1 7S–9.0 107E–13 23–24 3.7,3.7 ¶15852995

ISC V 28 02 45 44.2–.90 8.86S–.08 108.73E–.08 31 3.9b 21 1-84
IDC V 28 02 45 39.4–1.5 8.77S 108.70E 0 4.0,3.9 **¶13679781**
ISCJB V 28 02 45 42.2–.82 9.06S–.06 108.65E–.07 31 3.8b,3.9
DJA V 28 02 45 45.9–2.7 9S–8.0 109E–5.0 31–30 4.5b,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC V 28 04 39 56.7–.81 8.94S–.06 108.56E–.05 31 3.8b 20 1-60
IDC V 28 04 39 54.1–2.7 8.69S 108.92E 0 4.0,3.9b **¶15155548**
ISCJB V 28 04 39 56.0–.53 9.04S–.05 108.58E–.05 31 3.7b,3.9b
AUST V 28 04 39 58.2–.00 9.01S 108.57E 44–0 3.7b,3.9b
DJA V 28 04 39 58.0–3.6 9S–16 109E–5.0 13–23 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC V 29 11 52 37.5–.77 7.54S–.05 107.48E–.04 105–7 3.9b 40 0-75
IDC V 29 11 52 22.1–1.4 6.99S 107.39E 0 4.3,4.2 **¶15155592**
ISCJB V 29 11 52 36.2–.36 7.57S–.05 107.48E–.04 109–4 3.9b,4.2
AUST V 29 11 52 36.3–.01 7.45S 107.38E 106–0 3.9b,4.2
DJA V 29 11 52 38.2–.40 7S–8.0 108E–4.0 95–6 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC VI 09 15 42 52.2–.71 8.62S–.06 112.56E–.03 82–6 4.6b 197 1-150
BJI VI 09 15 42 43.2 8.80S 112.50E 40 4.8b,4.7b **¶15155965**
MOS VI 09 15 42 49.2–.95 8.45S 112.60E 66 4.8b,4.7b
ISCJB VI 09 15 42 51.5–.33 8.71S–.04 112.51E–.02 95–2 4.5b,4.7b
IDC VI 09 15 42 51.9–2.7 8.54S 112.59E 74–23 4.3,4.3b
AUST VI 09 15 42 51.6–.30 8.86S 112.51E 65–0 4.3,4.3b
DJA VI 09 15 42 52.2–.60 9S–3.0 113E–1.0 22–6 6.2,5.3b
NEIC VI 09 15 42 55.3–1.3 8.58S 112.62E 108–10 4.5b,5.3b
ISC Event type se.
MOS Error ellipse: s-maj=13.4km s-min=8.0km az=113.8.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.1km az=14.1.
IDC Error ellipse: s-maj=16.5km s-min=10.4km az=56.0.
AUST Error ellipse: s-maj=0.9km s-min=0.5km az=11.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.2km az=49.0.
DJA VI 12 00 13 20.0–1.0 9S–7.0 111E–4.0 28–9 3.6,3.6 ¶15853034

DJA VI 12 01 23 50.4–1.1 8S–7.0 108E–4.0 35–9 3.5,3.5 ¶15853033

ISC VI 14 01 31 18.2–.48 7.92S–.04 107.36E–.03 20–2 4.7b,3.8s 177 1-156
BJI VI 14 01 31 14.6 7.70S 107.50E 15 4.8b,4.7s **¶15156098**
IDC VI 14 01 31 15.1–.48 7.75S 107.54E 0 4.5,4.4
ISCJB VI 14 01 31 18.5–.21 7.95S–.03 107.35E–.02 33 4.6b,3.8s
NEIC VI 14 01 31 18.1–2.4 7.75S 107.47E 18–14 4.6b,3.8s
AUST VI 14 01 31 22.4–.01 8.10S 107.45E 43–0 4.6b,3.8s
DJA VI 14 01 31 23.2–.80 8S–7.0 108E–3.0 18–6 5.4b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VI 14 01 56 21.4–2.3 8.00S 113.15E 0 3.7,3.5 ¶16101300

IDC Error ellipse: s-maj=147.4km s-min=20.8km az=49.0.
ISC VI 17 19 42 38.1–.44 8.17S–.04 108.49E–.03 75–3 4.7b 222 1-155
BJI VI 17 19 42 34.9 8.10S 108.50E 73 4.9b,4.6b **¶15156177**
IDC VI 17 19 42 38.1–.65 7.89S 108.64E 68–5 4.5,4.4
NEIC VI 17 19 42 38.5–.65 7.96S 108.54E 76–5 4.6b,4.4
AUST VI 17 19 42 39.6–.20 8.25S 108.49E 76–0 4.6b,4.4
DJA VI 17 19 42 39.7–.20 8S–3.0 109E–2.0 53–3 5.4b,5.2
ISCJB VI 17 19 42 39.2–.35 8.06S–.04 108.60E–.03 97–3 4.7b,5.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VI 18 03 58 08.2–2.0 8.43S–.05 107.84E–.04 26–20 24 1-11
AUST VI 18 03 58 05.6–1.3 8.47S 107.77E 0–0 **¶15156202**
ISCJB VI 18 03 58 07.1–1.3 8.49S–.04 107.84E–.04 23–12
DJA VI 18 03 58 09.2–.90 8S–4.0 108E–3.0 34–11 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VI 23 05 20 34.6–1.6 6.8S–.30 108.49E–.08 200 3.4b 15 1-40
ISCJB VI 23 05 20 34.7–.79 6.7S–.10 108.52E–.06 200 3.5b **¶15853057**
DJA VI 23 05 20 35.9–1.0 7S–40 108E–12 207–17 5.3b,4.8
IDC VI 23 05 20 54.7–20 10.87S 111.46E 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=7.2km az=13.1.
IDC Error ellipse: s-maj=353.2km s-min=172.3km az=151.0.
DJA VI 26 10 50 47.5–1.7 9S–5.0 110E–3.0 34–18 3.7,3.7 ¶15853067

DJA VI 26 14 43 56.4–.90 9S–11 110E–3.0 43–19 3.7,3.7 ¶15853065

ISC VI 27 00 34 34.3–.98 7.9S–.20 111.60E–.09 132 3.6b 11 0-60
ISCJB VI 27 00 34 33.4–.68 8.0S–.10 111.7E–.10 132 3.6b **¶13682097**
DJA VI 27 00 34 34.7–1.1 8S–12 112E–6.0 118–8 3.4,3.4
IDC VI 27 00 34 49.5–11 7.68S 112.25E 275–122 3.3,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.9km s-min=9.8km az=34.9.
IDC Error ellipse: s-maj=122.9km s-min=26.0km az=50.0.
ISC VI 29 23 54 17.4–.56 8.82S–.08 111.80E–.06 35 4.3b 37 1-87
IDC VI 29 23 54 12.0–1.3 8.62S 111.84E 0 4.3,4.2b **¶13682283**
ISCJB VI 29 23 54 16.4–.46 8.95S–.06 111.78E–.05 35 4.3b,3.2s
NEIC VI 29 23 54 17.3–.55 8.59S 111.96E 35 4.5b,3.2s
DJA VI 29 23 54 20.3–.40 9S–5.0 112E–3.0 30 4.4,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

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IDC II 23 13 20 59.7–1.7 7.82S 117.72E 0 3.8L,3.3 ¶15957060

IDC Error ellipse: s-maj=40.7km s-min=24.3km az=65.0.
IDC II 24 01 07 10.3–2.8 7.85S 116.64E 0 3.6,3.4 ¶15957127

IDC Error ellipse: s-maj=167.2km s-min=22.1km az=53.0.
ISC III 01 15 03 47.0–.78 7.07S–.09 117.05E–.06 10 3.8b 16 2-67
DJA III 01 15 03 44.9–.80 8S–10 118E–5.0 30 4.0,4.0 **¶12702198**
ISCJB III 01 15 03 45.4–.56 6.99S–.08 117.04E–.07 10 3.7b,4.0
IDC III 01 15 03 45.8–1.1 7.01S 117.08E 0 4.1L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=6.5km az=142.3.
IDC Error ellipse: s-maj=35.1km s-min=17.4km az=54.0.
IDC III 19 01 58 14.8–1.8 7.96S 116.57E 0 3.5,3.4 ¶12703632

IDC Error ellipse: s-maj=40.7km s-min=24.2km az=58.0.
ISC IV 03 14 01 34.5–.70 7.5S–.10 116.28E–.07 350 3.5b 31 1-67
ISCJB IV 03 14 01 33.0–.44 7.47S–.09 116.31E–.05 350 3.4b **¶15153528**
IDC IV 03 14 01 33.6–6.4 7.42S 116.18E 339–56 3.2,3.1
AUST IV 03 14 01 35.3 7.48S 116.46E 300 3.2,3.1
DJA IV 03 14 01 36.8–1.4 8S–16 116E–12 336–8 4.6b,4.1
ISC Event type ke.
ISCJB Event type ke.
IDC IV 16 22 41 16.2–5.0 7.79S 117.91E 184–58 3.4,3.4b ¶16152863

IDC Error ellipse: s-maj=138.5km s-min=45.4km az=38.0.
ISC IV 23 10 51 20.5–.62 7.73S–.05 117.25E–.04 307–6 4.2b 147 2-153
BJI IV 23 10 51 11.1 8.56S 117.59E 293 4.5b,4.4b **¶15153914**
ISCJB IV 23 10 51 19.8–.27 7.74S–.03 117.25E–.03 314–3 4.2b,4.4b
IDC IV 23 10 51 20.4–1.1 7.70S 117.31E 307–10 3.9,3.8
NEIC IV 23 10 51 20.4–.87 7.70S 117.26E 307–9 4.3b,3.8
AUST IV 23 10 51 21.3 7.98S 117.46E 300 4.3b,3.8
DJA IV 23 10 51 21.7–.20 8S–3.0 117E–3.0 279–4 5.3b,4.9
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type se.
IDC V 02 13 22 17.9–3.0 7.57S 116.27E 0 3.4,3.2 ¶16154836

IDC Error ellipse: s-maj=175.8km s-min=23.8km az=54.0.
IDC V 13 13 27 22.8–9.7 7.81S 115.38E 193–97 3.1,3.0 ¶16155713

IDC Error ellipse: s-maj=111.2km s-min=25.0km az=60.0.
IDC VI 08 19 42 20.6–1.6 6.61S 117.15E 0 3.5L,3.4 ¶16101119

IDC Error ellipse: s-maj=36.3km s-min=25.4km az=51.0.
ISC VI 14 03 36 02.2–.42 7.66S–.03 117.23E–.03 30–2 5.6b,5.0s 746 1-175
IDC VI 14 03 35 57.9–.31 7.71S 117.08E 0 5.2,5.2 **¶15156093**
MOS VI 14 03 35 57.8–.79 7.62S 117.15E 10 5.9b,4.9s
NEIC VI 14 03 36 00.1–.13 7.69S 117.20E 17 5.6b,5.4W
BJI VI 14 03 36 01.0 7.70S 117.20E 35 5.7b,5.5b
AUST VI 14 03 36 01.1–.76 7.75S 117.29E 12–0 5.7b,5.5b
ISCJB VI 14 03 36 02.6–.33 7.67S–.02 117.19E–.02 44–3 5.5b,5.0s
TEH VI 14 03 36 04.0 7.62S 117.22E 40 5.7L,5.0s
DJA VI 14 03 36 04.6–.40 8S–2.0 117E–1.0 30–4 6.0,5.9b
GCMT VI 14 03 36 05.8–.10 7.73S 117.18E 28–0 5.5W,5.9b
ISC Event type fe.
IDC Error ellipse: s-maj=13.3km s-min=9.1km az=65.0.
MOS Error ellipse: s-maj=9.2km s-min=5.3km az=113.7.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=55.0. Felt [IV] at Sumbawa Besar, Sumbawa and [III] at Denpasar, Bali and at Mataram, Lombok. Also felt at Ubud, Bali. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$-0.20 $M_{r\theta}$0.47 $M_{\theta\phi}$0.13 $M_{\phi r}$0.28 Best double couple: NP1:ϕ_s85.00000°,δ55.00000°,λ78.00000°. NP2:ϕ_s286.00000°,δ37.00000°,λ106.00000°. Principal axes: T 1.6000,Plg76.0000° ,Azm316.0000°; N -0.2400,Plg9.0000°,Azm92.0000°; P -1.3500,Plg9.0000°,Azm184.0000° $M_0$1.50000×10^{17}
AUST Error ellipse: s-maj=0.7km s-min=0.4km az=30.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=3.0km az=24.8.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=203, per= 50. Moment Tensor Solution. s91,c161; s39,c41; Moment tensor: Scale 10^{17}Nm; M_{rr}1.73±.03 $M_{\theta\theta}$-1.96±.02; $M_{\phi\phi}$0.23±.02; $M_{r\theta}$0.53±.03; $M_{\theta\phi}$-0.04±.02; $M_{\phi r}$0.06±.04; Best double couple: NP1:ϕ_s271.00000°,δ37.00000°,λ93.00000°. NP2:ϕ_s87.00000°,δ53.00000°,λ88.00000°. Principal axes: T 1.8100,Plg82.0000°,Azm348.0000°; N 0.2300,Plg2.0000°,Azm89.0000° ; P -2.0400,Plg8.0000°,Azm179.0000° $M_0$1.90000×10^{17}
ISC VI 18 09 54 08.6–.63 6.92S–.04 114.47E–.05 10 3.9b 34 1-66
ISCJB VI 18 09 54 07.4–.42 6.84S–.04 114.48E–.04 10 3.9b **¶15156198**
IDC VI 18 09 54 07.2–1.1 6.92S 114.47E 0 4.1,3.9
AUST VI 18 09 54 09.2–4.0 7.04S 114.44E 0–0 4.1,3.9
DJA VI 18 09 54 11.7–.80 7S–3.0 114E–2.0 17–11 4.8b,4.8b
ISC Event type ke.
ISCJB Event type ke.

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IDC I 01 18 09 53.0–3.6 7.30S 119.75E 558–49 3.1b,3.1 ¶12079770

IDC Error ellipse: s-maj=55.9km s-min=16.2km az=65.0.
ISC I 06 13 28 44.5–.64 7.32S–.09 122.3E–.10 573 3.4b 27 1-132
ISCJB I 06 13 28 43.1–.41 7.27S–.06 122.28E–.08 573 3.4b **¶12080512**
DJA I 06 13 28 43 7.34S 122.29E 562 4.0
IDC I 06 13 28 44.1–1.2 7.32S 122.36E 562–16 3.1,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=6.8km az=155.2.
IDC Error ellipse: s-maj=41.8km s-min=9.4km az=59.0.
IDC I 07 01 35 27.6–15 7.86S 122.71E 184–180 3.5L,3.2 ¶12080584

IDC Error ellipse: s-maj=239.4km s-min=42.6km az=45.0.
ISC I 08 02 33 54.5–.84 7.75S–.05 119.04E–.06 35 3.9b 20 2-68
IDC I 08 02 33 49.5–1.1 7.73S 118.97E 0 3.9,3.8b **¶12080702**
ISCJB I 08 02 33 53.0–.48 7.74S–.04 119.02E–.05 33 3.8b,3.8b
DJA I 08 02 34 06 6.66S 118.78E 30 3.7,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=45.5km s-min=16.5km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.6km az=155.6.
IDC I 11 03 04 30.1–2.6 7.96S 121.49E 43–30 3.8L,3.8
DJA I 11 03 04 30 8.01S 121.39E 37 3.7,3.8 **¶12081007**
IDC Error ellipse: s-maj=137.9km s-min=16.8km az=59.0.
ISC I 14 11 09 17.4–.30 7.82S–.03 118.80E–.04 34 4.8b,3.8s 237 2-155
IDC I 14 11 09 12.1–.60 7.75S 118.63E 0 4.4,4.4b **¶11594673**
ISCJB I 14 11 09 15.6–.24 7.80S–.03 118.70E–.04 34 4.8b,3.9s
MOS I 14 11 09 15.4–1.0 7.60S 118.84E 33 5.1b,3.9s
DJA I 14 11 09 18 7.87S 118.69E 30 5.0,3.9s
NEIC I 14 11 09 18.1–.22 7.75S 118.69E 38 5.0b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=13.9km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.6km az=157.7.
MOS Error ellipse: s-maj=18.1km s-min=7.2km az=113.7.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.4km az=58.0.

IDC I 18 05 29 30.4–7.8 7.74S 118.13E 279–76 3.2b,3.2 ¶12081605
IDC Error ellipse: s-maj=131.1km s-min=24.2km az=63.0.
IDC I 24 08 40 08.8–1.1 7.66S 118.65E 32–5 4.1L,3.9 ¶12082203
IDC Error ellipse: s-maj=39.4km s-min=20.0km az=62.0.
IDC I 26 22 27 25.6–2.0 7.69S 118.66E 0 3.5,3.4 ¶12082424
IDC Error ellipse: s-maj=62.1km s-min=25.1km az=63.0.
ISC II 06 04 55 50.6–.70 7.35S–.09 120.1E–.10 579–7 4.6b 48 2-132
ISCJB II 06 04 55 50.1–.49 7.26S–.07 120.1E–.10 590–7 4.3b **¶15955126**
IDC II 06 04 55 50.7–.67 7.32S 120.13E 578–7 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=6.3km az=148.4.
IDC Error ellipse: s-maj=19.4km s-min=7.6km az=63.0.
IDC II 15 13 22 59.0–2.3 7.23S 118.95E 0 3.5,3.3 ¶15956158
IDC Error ellipse: s-maj=206.1km s-min=27.1km az=53.0.
IDC II 15 21 11 21.1–1.3 7.61S 121.27E 0 3.8,3.7 ¶15956182
IDC Error ellipse: s-maj=129.6km s-min=20.6km az=60.0.
ISC II 19 09 03 21.6–.25 7.52S–.03 120.64E–.03 593–2 5.1b 1241 2-169
BJI II 19 09 03 14.7 7.99S 121.21E 584 5.1b,4.6b **¶11687979**
MOS II 19 09 03 20.8–.97 7.21S 120.71E 583 5.0b,4.6b
ISCJB II 19 09 03 21.1–.17 7.50S–.02 120.63E–.02 602–2 5.1b,4.6b
NEIC II 19 09 03 21.4–.33 7.39S 120.64E 586–3 4.9b,4.6b
IDC II 19 09 03 21.8–.38 7.38S 120.71E 591–4 4.7,4.6
TEH II 19 09 03 21.0 7.41S 120.65E 578 4.9L,4.6
DJA II 19 09 03 22 7.54S 120.55E 587 4.9W,4.6
BGS II 19 09 03 24.2–1.9 5.32S 120.96E 586 4.9b,4.6
ISC Event type se.
MOS Error ellipse: s-maj=10.5km s-min=5.9km az=118.6.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.8km az=179.2.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.4km az=50.0.
IDC Error ellipse: s-maj=7.9km s-min=4.7km az=58.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC II 21 15 49 55.1–6.1 7.98S 120.82E 43–56 3.2,3.1 ¶15956883
IDC Error ellipse: s-maj=202.3km s-min=16.6km az=59.0.
IDC II 26 04 28 08.0–1.9 7.97S 119.26E 0 3.3,3.2 ¶15957335
IDC Error ellipse: s-maj=60.4km s-min=22.5km az=67.0.
IDC III 05 04 32 52.4–1.9 7.30S 121.77E 0 3.5L,3.5 ¶12702471
IDC Error ellipse: s-maj=153.9km s-min=27.6km az=59.0.
ISC III 12 11 50 26.6–.41 7.46S–.07 119.81E–.07 587 4.0b 67 2-146
DJA III 12 11 50 23.6–1.4 8S–10 120E–8.0 559–19 4.9b,4.5b **¶15153181**
ISCJB III 12 11 50 24.6–.24 7.35S–.05 119.97E–.04 587 4.0b,4.5b
AUST III 12 11 50 24.6–.01 7.44S 119.99E 551–0 4.0b,4.5b
IDC III 12 11 50 25.1–.53 7.30S 120.08E 559–6 3.6,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.5km az=34.5.
AUST Error ellipse: s-maj=1.6km s-min=0.8km az=30.0.
IDC Error ellipse: s-maj=12.9km s-min=7.5km az=64.0.
IDC III 12 11 50 29.5–.61 7.31S 120.05E 560–6 3.5,3.4b ¶15153175
IDC Error ellipse: s-maj=15.5km s-min=9.1km az=62.0.
IDC III 13 19 22 52.8–18 7.95S 118.54E 0 3.7,3.5b ¶12703195
IDC Error ellipse: s-maj=298.2km s-min=181.5km az=172.0.
IDC III 21 15 56 54.3–7.1 7.70S 120.56E 337–88 2.9,2.7b ¶12635196
IDC Error ellipse: s-maj=99.1km s-min=30.1km az=57.0.
IDC III 26 01 54 07.7–2.4 7.50S 121.22E 0 3.8,3.8s ¶12635603
IDC Error ellipse: s-maj=293.3km s-min=29.3km az=54.0.
ISC III 28 10 28 25.2–.88 7.77S–.05 119.09E–.06 34 3.7b 17 2-63
IDC III 28 10 28 20.2–1.7 7.79S 118.88E 0 4.0,3.9b **¶12635763**
ISCJB III 28 10 28 23.9–.51 7.77S–.04 119.09E–.05 34 3.8b,3.9b
DJA III 28 10 28 25.1–.40 8S–5.0 119E–4.0 110 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC III 28 20 31 55.4–.32 7.40S–.03 119.62E–.04 442–2 4.5b 343 2-155
BJI III 28 20 31 47.4 8.14S 119.97E 442 4.7b,4.4b **¶15153449**
ISCJB III 28 20 31 54.5–.19 7.34S–.02 119.59E–.02 446–2 4.4b,4.4b
MOS III 28 20 31 54.7–.87 7.23S 119.64E 448 4.4b,4.4b
DJA III 28 20 31 55.2–.10 7S–2.0 120E–1.0 437–2 6.7,5.1b
NEIC III 28 20 31 55.6–.43 7.26S 119.66E 445–4 4.4b,5.1b
IDC III 28 20 31 55.3–.55 7.31S 119.65E 437–5 4.1,4.1
AUST III 28 20 31 55.1–.01 7.31S 119.61E 436–0 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=44.4.
MOS Error ellipse: s-maj=13.1km s-min=6.8km az=115.9.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.2km az=59.0.
IDC Error ellipse: s-maj=13.5km s-min=5.8km az=60.0.
AUST Error ellipse: s-maj=0.8km s-min=0.6km az=225.0.
IDC IV 03 15 22 39.1–2.1 7.31S 120.30E 404–19 3.1,3.0 ¶16152318
IDC Error ellipse: s-maj=138.4km s-min=13.9km az=57.0.
ISC IV 04 03 47 10.7–.49 6.02S–.07 122.52E–.05 35 4.4b,3.4s 67 1-148
IDC IV 04 03 47 05.7–.73 5.94S 122.63E 0 4.4,4.3 **¶15153549**
AUST IV 04 03 47 07.5 6.00S 122.50E 10 4.4,4.3
ISCJB IV 04 03 47 08.5–.29 5.99S–.04 122.56E–.04 33 4.4b,3.5s
NEIC IV 04 03 47 10.7–.37 6.05S 122.55E 35 4.5b,3.5s
DJA IV 04 03 47 10.7–.60 6S–3.0 122E–3.0 7–5 5.4b,4.8
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type se.
ISC IV 07 14 20 10.3–.39 7.97S–.04 122.94E–.05 234–3 4.4b 205 1-154
BJI IV 07 14 20 03.5 8.62S 123.28E 236 4.5b,4.4b **¶12099430**
NEIC IV 07 14 20 10.3–.67 7.92S 122.93E 234–7 4.5b,4.4b
IDC IV 07 14 20 10.9–1.3 7.90S 122.94E 237–12 4.1,4.1
ISCJB IV 07 14 20 10.7–.32 7.98S–.03 122.95E–.03 253–3 4.3b,4.1
DJA IV 07 14 20 12.8–.20 8S–2.0 123E–2.0 226–4 5.1b,4.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 10 20 50 47.9–3.3 7.54S 119.21E 285–28 3.0b,2.9 ¶16152638
IDC Error ellipse: s-maj=103.4km s-min=13.9km az=59.0.
ISC IV 12 02 06 32.6–.62 7.7S–.10 119.1E–.10 250 3.7b 29 2-146
AUST IV 12 02 06 29.6–.02 6.66S 119.64E 167–0 3.7b **¶15153669**
IDC IV 12 02 06 34.2–2.1 7.62S 119.15E 272–20 3.4,3.4b
ISC Event type ke.
AUST Error ellipse: s-maj=1.5km s-min=1.1km az=237.0.
IDC Error ellipse: s-maj=52.7km s-min=10.3km az=56.0.
ISC IV 13 01 08 36.9–.52 7.66S–.07 119.40E–.06 300 3.7b 47 2-146
IDC IV 13 01 08 35.4–1.3 7.52S 119.47E 273–10 3.6,3.6b **¶15153691**
AUST IV 13 01 08 35.3–.03 7.39S 119.44E 282–0 3.6,3.6b
ISCJB IV 13 01 08 36.0–.30 7.52S–.05 119.34E–.04 300 3.8b,3.6b
DJA IV 13 01 08 38.9–.60 8S–7.0 119E–4.0 234–12 5.3b,4.7
ISC Event type ke.
ISCJB Event type ke.
IDC IV 21 13 00 59.8–1.8 7.87S 118.82E 0 3.9,3.8b ¶16153212
IDC Error ellipse: s-maj=52.7km s-min=19.8km az=71.0.
ISC IV 25 10 23 36.7–.55 7.20S–.07 119.64E–.06 450 3.8b 41 2-68
ISCJB IV 25 10 23 35.3–.32 7.23S–.06 119.56E–.05 450 3.9b **¶15153950**
AUST IV 25 10 23 35.6–.01 7.15S 119.55E 428–0 3.9b
IDC IV 25 10 23 36.4–1.2 7.15S 119.70E 433–9 3.5,3.4
DJA IV 25 10 23 38.1–2.6 7S–7.0 119E–9.0 400–34 5.1b,4.6b
ISC Event type ke.
ISCJB Event type ke.
IDC IV 25 12 02 16.1–1.8 7.77S 119.05E 0 3.3,3.3b ¶16153376
IDC Error ellipse: s-maj=67.2km s-min=23.7km az=61.0.
IDC IV 26 12 16 58.8–1.9 7.20S 120.24E 407–13 3.0b,2.8 ¶16154517
IDC Error ellipse: s-maj=124.2km s-min=13.9km az=58.0.
IDC IV 29 11 11 54.9–1.9 7.86S 120.31E 193–20 3.0,3.0b
AUST IV 29 11 11 45.6–.02 7.68S 119.45E 177–0 3.0,3.0b **¶15154020**
IDC Error ellipse: s-maj=64.4km s-min=12.6km az=54.0.
AUST Error ellipse: s-maj=1.4km s-min=1.1km az=236.0.
ISC IV 30 00 44 49.7–.26 7.43S–.03 120.16E–.04 539–2 4.7b 393 1-155
AUST IV 30 00 44 48.9–.25 7.38S 120.14E 525–0 4.7b **¶15154025**
NEIC IV 30 00 44 49.4–.18 7.28S 120.19E 538 4.8b
DJA IV 30 00 44 49.3–.10 7S–2.0 120E–2.0 546–2 6.8,5.5b
IDC IV 30 00 44 49.9–.44 7.25S 120.22E 538–4 4.0,4.0
ISCJB IV 30 00 44 49.1–.16 7.38S–.02 120.17E–.02 548–2 4.6b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 03 07 00 33.8–2.7 7.38S 119.07E 0 3.2,3.1 ¶16154858
IDC Error ellipse: s-maj=253.2km s-min=28.4km az=53.0.
ISC V 04 07 47 06.0–.33 7.60S–.04 119.98E–.06 606–3 4.2b 207 2-155
BJI V 04 07 47 01.1 8.23S 119.82E 609 4.6b,4.4b **¶15154103**
MOS V 04 07 47 03.6–.52 7.41S 120.00E 592 4.4b,4.4b
ISCJB V 04 07 47 05.5–.20 7.59S–.03 119.95E–.03 615–3 4.3b,4.4b
AUST V 04 07 47 05.5–.01 7.52S 119.99E 597–0 4.3b,4.4b
NEIC V 04 07 47 06.0–.37 7.47S 120.00E 607–5 4.5b,4.4b
IDC V 04 07 47 06.2–.53 7.48S 120.09E 610–6 3.8,3.8
DJA V 04 07 47 06.0–.40 8S–5.0 120E–3.0 620–6 7.0,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 05 10 16 57.2–1.2 7.75S 119.04E 0 4.0,3.9b ¶16154931
IDC Error ellipse: s-maj=52.3km s-min=19.8km az=67.0.
ISC V 18 23 03 33.0–.59 7.67S–.04 119.40E–.05 271–6 3.7b 66 1-145
ISCJB V 18 23 03 32.9–.28 7.67S–.04 119.46E–.03 281–3 3.7b **¶15154387**
AUST V 18 23 03 33.2 7.49S 119.48E 300 3.7b
DJA V 18 23 03 34.8–.40 8S–3.0 119E–3.0 260–4 5.3b,4.8b
IDC V 18 23 03 34.4–1.3 7.54S 119.52E 281–9 3.5,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.8km az=19.9.
IDC Error ellipse: s-maj=30.4km s-min=7.9km az=59.0.
ISC V 23 16 21 08.3–.70 7.09S–.07 122.55E–.07 35 4.1b,3.3s 27 2-73
IDC V 23 16 21 04.1–.84 6.94S 122.57E 0 4.1,4.0 **¶13679477**
ISCJB V 23 16 21 06.6–.45 7.02S–.05 122.59E–.05 35 4.0b,3.1s
DJA V 23 16 21 07.8–.40 7S–3.0 123E–3.0 44–14 5.1b,4.7b
ISC Event type ke.
ISCJB Event type ke.
IDC V 24 04 50 09.9–2.1 7.66S 120.71E 576–33 3.1,3.1b ¶16156084
IDC Error ellipse: s-maj=78.8km s-min=40.7km az=69.0.
IDC V 24 13 27 07.6–1.4 6.62S 121.37E 388–20 2.7,2.7b ¶16156100
IDC Error ellipse: s-maj=151.3km s-min=16.0km az=55.0.
ISC V 28 20 35 55.8–.44 7.86S–.03 120.45E–.04 43–4 4.5b 166 2-155
DJA V 28 20 35 52.1–.20 8S–2.0 120E–2.0 10 5.6b,5.1 **¶15155560**
ISCJB V 28 20 35 54.2–.39 7.84S–.02 120.42E–.03 41–4 4.5b,3.6s
AUST V 28 20 35 54.1 8.00S 120.48E 20 4.5b,3.6s
NEIC V 28 20 35 55.5–.63 7.87S 120.39E 41–6 4.6b,3.6s
IDC V 28 20 35 56.1–.54 7.89S 120.33E 43–4 4.3,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.5km az=160.7.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.6km az=62.0.
IDC Error ellipse: s-maj=19.6km s-min=10.5km az=71.0.
ISC V 31 05 37 18.9–.81 7.99S–.04 120.70E–.08 33 3.9b 19 2-69
ISCJB V 31 05 37 17.4–.48 7.96S–.03 120.84E–.07 33 3.9b **¶13680018**
DJA V 31 05 37 17.2–1.7 8S–5.0 121E–6.0 113–24 4.0,4.0
IDC V 31 05 37 19.0–5.5 7.93S 120.91E 33–46 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.7km az=168.0.
IDC Error ellipse: s-maj=79.9km s-min=13.3km az=56.0.
IDC VI 06 22 15 21.5–1.7 7.70S 120.52E 204–16 3.4,3.3b ¶16101031
IDC Error ellipse: s-maj=53.1km s-min=10.7km az=54.0.
ISC VI 12 05 01 27.7–2.5 7.76S–.04 119.3E–.10 0–16 16 2-57
ISCJB VI 12 05 01 27.8–2.3 7.81S–.03 119.2E–.10 3–17 3.7b **¶13681204**
DJA VI 12 05 01 30.0–1.2 8S–2.0 119E–7.0 14–10 3.7,3.7
IDC VI 12 05 01 33.0–3.1 7.54S 120.09E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.6km s-min=5.6km az=1.2.
IDC Error ellipse: s-maj=139.9km s-min=20.6km az=66.0.

(280) Banda Sea.

ISC I 01 03 19 00.1–3.7 6.9S–.30 128.8E–.20 35 6 12-68
IDC I 01 03 18 54.8–1.4 6.71S 128.82E 0 4.3,4.2 **¶12079729**
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=25.3km az=65.0.
ISC I 01 03 44 59.0–.34 7.00S–.05 130.14E–.06 104 4.8b 213 3-151
BJI I 01 03 44 44.3 7.77S 130.38E 45 5.3b,4.9s **¶11526024**
IDC I 01 03 44 47.9–.63 6.74S 129.86E 0 4.8,4.7L
MOS I 01 03 44 49.8–1.3 6.76S 129.84E 27 5.1b,4.7L
NEIC I 01 03 44 54.4–1.2 6.83S 129.99E 50–12 4.7b,4.7L
ISCJB I 01 03 44 56.9–.24 6.91S–.03 130.35E–.04 104 4.8b,4.7L
DJA I 01 03 45 00 6.84S 130.22E 103 5.2b,4.7L
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=13.5km az=77.0.
MOS Error ellipse: s-maj=15.3km s-min=6.8km az=116.3.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.4km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=155.1.
IDC I 01 13 46 07.2–2.2 6.73S 130.48E 0 3.8L,3.7 ¶12079757
IDC Error ellipse: s-maj=139.9km s-min=31.2km az=70.0.
IDC I 01 16 39 06.0–1.7 5.08S 129.06E 0 3.7,3.5 ¶12079764
IDC Error ellipse: s-maj=86.8km s-min=24.2km az=74.0.
ISC I 02 10 54 52.2–.56 6.66S–.05 128.30E–.06 10 4.3b 56 5-152
IDC I 02 10 54 49.3–1.1 6.50S 128.47E 0 4.7L,4.6 **¶11526808**
ISCJB I 02 10 54 49.2–.39 6.56S–.04 128.37E–.06 10 4.4b,3.3s
NEIC I 02 10 54 51.3–.54 6.56S 128.43E 15 4.6b,3.3s
DJA I 02 10 54 52 6.50S 128.38E 10 5.1b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=21.2km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.4km az=169.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.9km az=67.0.
ISC I 02 15 18 21.5–.56 6.99S–.05 124.41E–.08 625–7 4.2b 124 2-147
BJI I 02 15 18 18.5 6.68S 124.59E 588 4.7b,4.3b **¶12079830**
ISCJB I 02 15 18 20.7–.27 6.93S–.04 124.41E–.05 633–4 4.2b,4.3b
DJA I 02 15 18 20 7.02S 124.40E 632 4.8b,4.3b
NEIC I 02 15 18 21.2–.41 6.89S 124.44E 618–5 4.2b,4.3b
IDC I 02 15 18 21.6–1.0 6.97S 124.47E 624–13 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=156.4.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.1km az=62.0.
IDC Error ellipse: s-maj=17.1km s-min=7.4km az=72.0.
IDC I 02 15 33 41.9–2.1 7.03S 128.82E 0 3.7L,3.7 ¶12079831
IDC Error ellipse: s-maj=97.1km s-min=27.4km az=75.0.

IDC I 02 20 18 47.6–7.2 6.74S 125.50E 514–104 2.8,2.6
¶12079850

IDC Error ellipse: s-maj=124.8km s-min=38.5km az=50.0.
ISC I 03 02 30 00.8–1.7 7.6S–.10 129.5E–.10 131 3.7b 18 11-73
IDC I 03 02 29 58.8–2.7 7.36S 129.05E 148–26 3.7,3.6 ¶12079868
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=16.1km az=68.0.
IDC I 03 04 10 37.2–6.5 6.69S 129.87E 110–68 3.6,3.5b
¶12079873

IDC Error ellipse: s-maj=43.7km s-min=28.5km az=52.0.
IDC I 03 09 19 53.8–4.7 5.64S 131.54E 0 3.8b,3.6
¶12079887

IDC Error ellipse: s-maj=341.3km s-min=30.8km az=73.0.
ISC I 03 16 30 47.4–.29 7.51S–.03 128.50E–.04 134–2 5.4b 1213 4-161
BJI I 03 16 30 34.3 8.26S 128.89E 84 5.5b,5.2b ¶11526858
TEH I 03 16 30 43.0 7.47S 128.49E 81 5.5L,5.2b
MOS I 03 16 30 46.0–.96 7.36S 128.39E 128 5.4b,5.2b
NEIC I 03 16 30 46.6–.15 7.44S 128.46E 127 5.4b,5.2b
ISCJB I 03 16 30 47.8–.38 7.59S–.02 128.46E–.02 154–3 5.4b,5.2b
DJA I 03 16 30 48 7.73S 128.53E 163 5.4W,5.2b
IDC I 03 16 30 48.9–.57 7.42S 128.42E 142–4 5.0,5.0
ISC Event type fe.
MOS Error ellipse: s-maj=10.1km s-min=5.5km az=110.4.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.3km az=61.0. Felt at Darwin, Australia.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.7km az=32.6.
IDC Error ellipse: s-maj=12.6km s-min=8.0km az=66.0.
ISC I 04 05 25 52.1–.67 7.41S–.08 128.2E–.10 35 4.3b 32 9-83
IDC I 04 05 25 46.9–.91 7.33S 128.22E 0 4.5L,4.1 ¶12080103
ISCJB I 04 05 25 50.4–.54 7.31S–.07 128.3E–.10 35 4.2b,4.1
NEIC I 04 05 25 52.1–3.2 7.38S 128.09E 35–25 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=66.0km s-min=19.4km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=7.4km az=159.2.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.4km az=51.0.
IDC I 04 13 39 15.4–8.7 6.87S 126.90E 379–105 3.2,3.1b
¶12080207

IDC Error ellipse: s-maj=114.0km s-min=32.6km az=60.0.
IDC I 05 23 32 19.9–1.3 7.51S 128.70E 0 3.8L,3.8
¶12080426

IDC Error ellipse: s-maj=84.9km s-min=20.5km az=70.0.
IDC I 06 00 14 37.4–15 6.38S 129.16E 116–159 3.8L,3.5
¶12080431

IDC Error ellipse: s-maj=111.8km s-min=58.5km az=38.0.
IDC I 06 04 55 05.7–1.3 6.08S 129.52E 0 3.8,3.7L
¶12080459

IDC Error ellipse: s-maj=72.4km s-min=21.1km az=70.0.
IDC I 06 09 07 24.2–8.7 6.98S 129.52E 142–87 3.4,3.2b
¶12080486

IDC Error ellipse: s-maj=91.1km s-min=33.7km az=62.0.
ISC I 06 18 01 36.0–.39 6.83S–.05 129.69E–.05 160–2 4.8b 279 7-151
BJI I 06 18 01 29.5 7.27S 130.10E 160 4.9b,4.7b ¶11532517
MOS I 06 18 01 30.1–.95 6.76S 129.59E 120 4.9b,4.7b
NEIC I 06 18 01 31.9–.94 6.79S 129.60E 121–9 5.0b,4.7b
ISCJB I 06 18 01 36.4–.61 6.80S–.04 129.71E–.04 182–6 4.8b,4.7b
IDC I 06 18 01 36.8–1.6 6.70S 129.70E 163–13 4.4,4.3
DJA I 06 18 01 38 6.83S 129.74E 168 5.0b,4.3
ISC Event type se.
MOS Error ellipse: s-maj=15.5km s-min=6.4km az=116.6.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.7km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.2km az=43.4.
IDC Error ellipse: s-maj=19.4km s-min=10.1km az=61.0.
IDC I 06 19 21 56.4–1.9 7.89S 126.11E 0 3.8L,3.7
¶12080545

IDC Error ellipse: s-maj=281.5km s-min=31.4km az=61.0.
ISC I 07 01 37 25.4–.89 7.01S–.08 129.4E–.20 139 3.8b 25 12-82
NEIC I 07 01 37 34.5–3.0 7.02S 129.36E 231–32 3.9b ¶12080585
IDC I 07 01 37 34.3–6.0 6.98S 129.46E 228–60 3.8,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=36.0km s-min=13.1km az=49.0.
IDC Error ellipse: s-maj=89.9km s-min=17.5km az=62.0.
IDC I 07 04 09 33.2–9.7 6.98S 129.18E 220–106 3.0,2.9
¶12080598

IDC Error ellipse: s-maj=69.9km s-min=39.1km az=44.0.
IDC I 07 08 01 09.2–3.1 4.64S 126.81E 394–37 3.0,2.9
¶12080616

IDC Error ellipse: s-maj=115.0km s-min=16.2km az=65.0.
IDC I 07 10 55 26.3–2.1 7.21S 127.97E 0 3.9L,3.9
¶12080632

IDC Error ellipse: s-maj=105.4km s-min=27.2km az=73.0.
IDC I 07 13 15 41.3–2.3 6.06S 130.54E 0 4.2L,4.2
DJA I 07 13 15 47 5.86S 130.75E 313 3.6,4.2 ¶12080642
IDC Error ellipse: s-maj=143.4km s-min=30.1km az=71.0.
IDC I 07 16 25 48.0–17 6.70S 129.58E 97–181 3.5L,3.5b
DJA I 07 16 25 49 6.08S 130.70E 138 4.1,3.5b ¶12080657
IDC Error ellipse: s-maj=154.1km s-min=52.9km az=41.0.
IDC I 07 20 17 39.8–1.1 4.57S 129.07E 0 3.9,3.7b
DJA I 07 20 17 43 4.27S 129.36E 10 3.8,3.7b ¶12080671
IDC Error ellipse: s-maj=58.4km s-min=18.5km az=63.0.
IDC I 07 21 38 02.9–2.1 6.68S 129.69E 0 3.6L,3.6
¶12080683

IDC Error ellipse: s-maj=87.8km s-min=27.9km az=77.0.
IDC I 09 01 28 09.1–2.1 6.61S 129.20E 0 3.8,3.6L
¶12080792

IDC Error ellipse: s-maj=116.2km s-min=31.7km az=68.0.
IDC I 09 04 08 17.9–2.0 6.73S 128.77E 0 4.0,3.8L
¶12080802

IDC Error ellipse: s-maj=114.6km s-min=31.2km az=67.0.
IDC I 09 05 52 03.2–20 6.35S 127.76E 355–251 3.3,3.0
¶12080810

IDC Error ellipse: s-maj=145.3km s-min=57.9km az=27.0.
ISC I 09 11 31 02.0–.43 6.46S–.05 130.31E–.06 90 4.6b 107 3-145
ISCJB I 09 11 31 00.3–.33 6.25S–.04 130.36E–.06 90 4.7b ¶11534448
NEIC I 09 11 31 04.0–1.1 6.27S 130.28E 109–12 4.5b
IDC I 09 11 31 03.0–3.1 6.21S 130.36E 101–29 4.2,4.2
BJI I 09 11 31 04.9 6.65S 130.46E 167 4.4b,4.2
DJA I 09 11 31 08 6.33S 130.35E 142 5.0b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.5km az=160.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.9km az=222.0.
IDC Error ellipse: s-maj=24.1km s-min=13.3km az=71.0.
IDC I 09 17 04 36.8–1.9 5.79S 129.40E 0 4.0L,4.0
¶12080859

IDC Error ellipse: s-maj=96.0km s-min=25.0km az=76.0.
IDC I 09 17 33 06.5–7.7 7.78S 129.50E 57–59 3.7,3.6b
¶12080864

IDC Error ellipse: s-maj=59.1km s-min=52.9km az=163.0.
ISC I 09 18 17 05.5–.88 6.8S–.10 129.8E–.20 35 3.9b 21 12-82
IDC I 09 18 17 01.5–1.6 6.75S 129.46E 0 4.1,3.9L ¶12080870
ISCJB I 09 18 17 02.9–.85 6.85S–.07 129.9E–.20 35 4.0b,3.9L
NEIC I 09 18 17 05.6–.59 6.79S 129.74E 35 4.2b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=86.4km s-min=24.0km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=30.0km s-min=10.7km az=177.7.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=8.1km az=78.0.
IDC I 09 20 02 57.6–2.0 6.44S 129.64E 0 3.9,3.7L
¶12080880

IDC Error ellipse: s-maj=79.6km s-min=27.1km az=76.0.
IDC I 09 22 33 33.6–2.0 7.34S 129.55E 0 3.9b,3.8
¶12080898

IDC Error ellipse: s-maj=80.9km s-min=25.0km az=81.0.
IDC I 09 22 41 04.1–2.0 7.34S 129.28E 0 3.5,3.4
¶12080899

IDC Error ellipse: s-maj=66.8km s-min=25.7km az=81.0.
IDC I 10 00 41 49.4–2.2 5.79S 130.20E 0 3.7,3.6L
¶12080905

IDC Error ellipse: s-maj=98.0km s-min=27.4km az=77.0.
IDC I 10 07 49 20.3–2.3 6.22S 130.43E 0 3.7,3.6L
¶12080923

IDC Error ellipse: s-maj=89.6km s-min=29.1km az=78.0.
IDC I 10 17 44 12.9–2.0 6.91S 127.71E 0 3.7L,3.6
¶12080970

IDC Error ellipse: s-maj=105.2km s-min=26.9km az=72.0.
IDC I 10 20 26 13.4–2.1 6.28S 129.80E 0 3.7,3.5
¶12080981

IDC Error ellipse: s-maj=81.6km s-min=28.5km az=76.0.
IDC I 11 01 47 26.7–2.4 4.07S 129.52E 0 3.9b,3.5
¶12081000

IDC Error ellipse: s-maj=184.5km s-min=27.9km az=69.0.
ISC I 11 09 47 03.0–1.1 6.57S–.07 130.7E–.10 124 4.1b 18 12-73
IDC I 11 09 46 52.1–1.7 5.96S 130.35E 0 4.2,4.1b ¶12081020
NEIC I 11 09 46 56.4–.82 5.99S 130.73E 35 4.5b,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=87.3km s-min=23.8km az=79.0.
NEIC Event type se. Error ellipse: s-maj=35.5km s-min=9.8km az=77.0.
IDC I 11 11 03 46.1–1.6 6.55S 129.60E 0 4.0L,4.0
¶12081023

IDC Error ellipse: s-maj=79.4km s-min=24.3km az=79.0.
IDC I 12 01 26 16.7–13 6.29S 128.69E 373–180 2.6,2.5
¶12081076

IDC Error ellipse: s-maj=75.5km s-min=73.4km az=100.0.
ISC I 12 02 39 18.8–.55 7.84S–.06 128.5E–.10 44 4.1b 47 11-151
IDC I 12 02 39 13.5–.75 7.61S 128.26E 0 4.8L,4.3 ¶12081080
ISCJB I 12 02 39 17.0–.50 7.76S–.05 128.4E–.10 44 4.0b,3.1s
NEIC I 12 02 39 18.3–.44 7.70S 128.29E 35 4.2b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=15.3km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=6.7km az=167.8.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=7.1km az=76.0.
IDC I 12 17 13 18.8–4.3 6.00S 129.98E 250–42 3.4,3.2
¶12081123

IDC Error ellipse: s-maj=71.2km s-min=15.3km az=72.0.
ISC I 12 21 44 33.6–.61 5.75S–.07 128.9E–.10 264 3.7b 24 13-152
ISCJB I 12 21 44 32.1–.57 5.74S–.07 128.8E–.10 264 3.9b ¶12081143
DJA I 12 21 44 34 5.61S 129.13E 277 4.5
IDC I 12 21 44 36.3–2.5 5.83S 128.79E 293–26 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.5km s-min=7.3km az=160.5.
IDC Error ellipse: s-maj=25.7km s-min=9.1km az=70.0.
IDC I 13 06 42 32.4–2.3 7.26S 128.15E 0 4.1L,4.1
¶12081174

IDC Error ellipse: s-maj=279.7km s-min=30.5km az=65.0.
IDC I 13 21 41 26.3–2.1 6.87S 128.19E 0 4.5,4.4L
¶12081216

IDC Error ellipse: s-maj=106.6km s-min=27.0km az=73.0.
IDC I 13 21 46 59.1–2.1 4.66S 127.99E 0 3.7,3.5
¶12081218

IDC Error ellipse: s-maj=167.0km s-min=29.3km az=66.0.
IDC I 13 21 51 51.7–1.8 4.59S 127.37E 0 3.6,3.5
¶12081219

IDC Error ellipse: s-maj=55.3km s-min=27.7km az=59.0.
IDC I 15 14 26 06.5–2.1 6.57S 129.48E 0 3.5,3.4b
¶12081339

IDC Error ellipse: s-maj=82.6km s-min=27.8km az=76.0.
ISC I 16 05 13 12.6–1.2 7.16S–.08 129.8E–.10 139 21 12-73
IDC I 16 05 13 10.7–19 6.89S 129.61E 114–202 4.3L,3.9b ¶12081408
NEIC I 16 05 13 15.2–5.1 6.96S 129.83E 163–58 4.7b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=164.0km s-min=61.5km az=39.0.
NEIC Event type se. Error ellipse: s-maj=36.5km s-min=23.4km az=176.0.
IDC I 17 22 32 52.1–1.7 6.59S 128.37E 0 3.8,3.6
¶12081580

IDC Error ellipse: s-maj=104.2km s-min=24.3km az=76.0.
IDC I 18 05 42 22.9–1.8 4.73S 126.88E 0 3.7,3.6b
¶12081607

IDC Error ellipse: s-maj=232.8km s-min=29.2km az=68.0.
ISC I 18 06 31 28.6–.54 7.34S–.06 129.49E–.06 143–5 4.5b 80 4-151
NEIC I 18 06 31 23.9–1.3 7.26S 129.19E 91–13 4.9b ¶12081611
IDC I 18 06 31 28.3–.80 7.25S 129.25E 131–7 3.9,3.8
ISCJB I 18 06 31 29.1–.57 7.44S–.04 129.32E–.05 166–6 4.4b,3.8
DJA I 18 06 31 30 7.39S 129.53E 138 4.9b,3.8
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.2km az=224.0.
IDC Error ellipse: s-maj=23.8km s-min=11.3km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.2km az=152.5.
IDC I 18 08 23 57.6–1.6 7.43S 124.32E 0 4.0,3.8b
¶12081623

IDC Error ellipse: s-maj=116.6km s-min=24.7km az=65.0.
IDC I 18 16 18 56.8–.78 7.53S 128.31E 0 4.0L,4.0
¶12081656

IDC Error ellipse: s-maj=42.6km s-min=16.4km az=73.0.
IDC I 18 16 27 46.6–9.1 6.92S 129.45E 132–88 3.6,3.5
¶12081657

IDC Error ellipse: s-maj=77.1km s-min=22.3km az=56.0.
IDC I 18 22 01 31.3–2.2 7.65S 127.11E 0 3.3b,3.3
¶12081677

IDC Error ellipse: s-maj=285.5km s-min=33.0km az=63.0.
IDC I 18 23 03 51.9–5.2 7.31S 127.53E 308–72 3.4,3.3
¶12081681

IDC Error ellipse: s-maj=79.4km s-min=44.1km az=95.0.
IDC I 19 01 25 18.3–2.0 6.06S 130.44E 0 3.6b,3.6
DJA I 19 01 25 37 5.20S 134.89E 13 4.5,3.6 ¶12081691
IDC Error ellipse: s-maj=94.4km s-min=26.8km az=79.0.
IDC I 19 03 44 02.3–2.3 5.96S 130.21E 0 4.0b,4.0
¶12081703

IDC Error ellipse: s-maj=95.3km s-min=29.5km az=78.0.
ISC I 19 13 49 23.5–.33 4.53S–.05 129.32E–.06 35 4.7b,3.9s 181 1-153
ISCJB I 19 13 49 20.7–.24 4.59S–.03 129.28E–.05 33 4.7b,3.9s ¶11611015
MOS I 19 13 49 21.2–.81 4.48S 129.15E 33 4.8b,3.9s
DJA I 19 13 49 22 4.24S 129.35E 10 4.8,3.9s
IDC I 19 13 49 25.2–3.3 4.47S 129.21E 51–30 4.4,4.3
NEIC I 19 13 49 25.4–1.1 4.49S 129.20E 56–10 4.8b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.2km az=157.7.
MOS Error ellipse: s-maj=16.1km s-min=8.4km az=118.0.
IDC Error ellipse: s-maj=19.0km s-min=12.5km az=62.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.4km az=48.0.
IDC I 19 15 18 12.3–2.0 6.86S 128.78E 0 3.6,3.5b
¶12081768

IDC Error ellipse: s-maj=90.3km s-min=27.4km az=75.0.
IDC I 19 21 13 09.3–8.0 7.32S 127.00E 167–85 3.6,3.4
¶12081802

IDC Error ellipse: s-maj=86.9km s-min=23.3km az=51.0.
IDC I 20 03 36 01.7–2.1 6.84S 129.50E 0 3.8,3.7L
¶12081825

IDC Error ellipse: s-maj=86.4km s-min=28.0km az=76.0.
ISC I 20 10 46 52.9–.26 4.61S–.03 129.81E–.03 144–1 5.7b 797 2-162
BJI I 20 10 46 44.6 5.13S 130.17E 124 5.9b,5.5b ¶11613347
MOS I 20 10 46 51.2–.98 4.64S 129.72E 139 5.8b,5.5b
TEH I 20 10 46 52.0 4.63S 129.87E 124 5.5L,5.5b
ISCJB I 20 10 46 53.7–.28 4.66S–.02 129.84E–.02 166–2 5.7b,5.5b
NEIC I 20 10 46 53.2–.78 4.67S 129.81E 144–7 5.7b,5.5W
IDC I 20 10 46 55.2–.49 4.71S 129.78E 162–4 5.2,5.2

DJA I 20 10 46 55 4.43S 129.89E 174 5.5W,5.2
ISC Event type se.
MOS Error ellipse: s-maj=11.5km s-min=5.2km az=114.3.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.0km az=41.9.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.6km az=60.0. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}0.46 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-0.52 $M_{r\theta}$0.50 $M_{\theta\phi}$0.53 $M_{\phi r}$1.24 Best double couple: NP1:ϕ_s120.00000°,δ26.00000°,λ20.00000°. NP2:ϕ_s12.00000° ,δ82.00000°,λ115.00000°. Principal axes: T 1.6300,Plg47.0000°,Azm308.0000° ; N -0.2500,Plg24.0000°,Azm188.0000°; P -1.3800,Plg32.0000°,Azm81.0000° $M_0$1.50000×10^{17}
IDC Error ellipse: s-maj=10.5km s-min=6.3km az=67.0.
IDC I 20 14 47 41.9–4.2 6.61S 128.46E 336–48 3.3,3.1b
DJA I 20 14 47 38 6.34S 129.04E 325 3.7b,3.1b **¶12081875**
IDC Error ellipse: s-maj=50.6km s-min=14.6km az=72.0.
ISC I 21 03 37 29.3–.70 5.28S–.05 130.85E–.06 93–7 4.1b 64 2-152
NEIC I 21 03 37 32.0–1.3 4.95S 130.57E 108–13 4.1b **¶12081933**
IDC I 21 03 37 31.8–.74 4.89S 130.67E 103–6 3.9,3.8
DJA I 21 03 37 32 4.62S 130.61E 59 4.5,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.1km az=49.0.
IDC Error ellipse: s-maj=25.1km s-min=12.2km az=66.0.
IDC I 21 04 47 10.3–3.8 7.35S 126.59E 345–44 3.5,3.4
¶12081943
IDC Error ellipse: s-maj=41.7km s-min=15.3km az=67.0.
IDC I 21 12 30 52.7–2.1 6.50S 130.79E 0 4.0,3.9L
DJA I 21 12 31 07 6.09S 130.97E 172 3.8,3.9L **¶12081967**
IDC Error ellipse: s-maj=85.4km s-min=24.7km az=76.0.
IDC I 21 18 36 05.5–2.1 6.82S 129.73E 0 3.6,3.4L
¶12081998
IDC Error ellipse: s-maj=87.4km s-min=27.8km az=77.0.
IDC I 22 03 27 53.7–12 7.22S 129.23E 107–133 4.0L,3.5
¶12082026
IDC Error ellipse: s-maj=78.9km s-min=56.3km az=11.0.
IDC I 22 04 21 50.9–2.0 6.76S 129.72E 0 3.7,3.6L
¶12082031
IDC Error ellipse: s-maj=79.1km s-min=27.8km az=77.0.
IDC I 22 13 54 43.2–4.4 6.05S 128.77E 346–46 3.3,3.1b
¶12082056
IDC Error ellipse: s-maj=69.4km s-min=14.5km az=71.0.
IDC I 22 17 36 12.8–2.7 5.23S 131.40E 0 3.5,3.4b
¶12082071
IDC Error ellipse: s-maj=122.5km s-min=29.4km az=78.0.
ISC I 22 20 16 34.6–.20 7.32S–.03 128.56E–.03 149–1 6.0b 2782 3-168
BJI I 22 20 16 27.6 7.77S 129.13E 141 6.3b,6.1b **¶13989198**
MOS I 22 20 16 32.4–1.2 7.34S 128.61E 143 6.1b,5.3s
ISCJB I 22 20 16 33.0–.12 7.37S–.02 128.62E–.02 148 5.9b,5.3s
TEH I 22 20 16 34.0 7.28S 128.59E 141 6.2L,5.3s
BGS I 22 20 16 34.4–1.7 7.00S 128.47E 147 6.1b,5.3s
NEIC I 22 20 16 34.6–.09 7.31S 128.57E 147 6.2,6.1b
IDC I 22 20 16 35.0–.68 7.28S 128.53E 146–5 5.6,5.6b
DJA I 22 20 16 36 7.52S 128.69E 170 5.9W,5.6b
ISC Event type fe.
MOS Error ellipse: s-maj=13.2km s-min=8.0km az=112.3.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=141.5.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=54.0. Felt [II] at Dili, Timor-Leste. Also felt [II] at Darwin, Australia. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s320.00000°,δ40.00000°,λ100.00000°. NP2: ϕ_s127.00000°,δ51.00000°,λ82.00000°. Principal axes: T Plg82.0000°,Azm353.0000° ; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm223.0000° Moment Tensor Solution. s45 Moment tensor: Scale 10^{18}Nm; M_{rr}1.76 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$-0.75 $M_{r\theta}$0.43 $M_{\theta\phi}$0.93 $M_{\phi r}$-0.06 Best double couple: NP1:ϕ_s318.00000°,δ40.00000°,λ102.00000°. NP2:ϕ_s124.00000° ,δ51.00000°,λ81.00000°. Principal axes: T 1.8300,Plg80.0000°,Azm348.0000° ; N 0.0300,Plg7.0000°,Azm129.0000°; P -1.8600,Plg5.0000°,Azm220.0000° $M_0$1.80000×10^{18}
IDC Error ellipse: s-maj=10.4km s-min=7.3km az=73.0.
IDC I 22 22 05 12.2–1.5 6.50S 129.96E 0 4.1,3.9
¶12082080
IDC Error ellipse: s-maj=122.6km s-min=21.2km az=65.0.
IDC I 23 08 52 18.3–2.1 6.90S 128.86E 0 3.6,3.5L
¶12082112
IDC Error ellipse: s-maj=89.3km s-min=27.7km az=75.0.
ISC I 24 07 24 43.3–.34 6.49S–.04 130.41E–.05 90 4.7b 164 2-151
BJI I 24 07 24 36.8 7.14S 130.64E 109 5.2b,4.7b **¶11617190**
ISCJB I 24 07 24 41.3–.25 6.37S–.03 130.39E–.05 90 4.8b,4.7b
NEIC I 24 07 24 44.5–1.4 6.36S 130.31E 106–14 4.7b,4.7b
IDC I 24 07 24 48.7–3.2 6.27S 130.31E 140–31 4.1,4.1
DJA I 24 07 24 48 6.26S 130.41E 136 5.0b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.1km az=156.7.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.2km az=50.0.
IDC Error ellipse: s-maj=18.4km s-min=10.9km az=72.0.
IDC I 24 12 50 58.1–2.9 6.63S 128.95E 0 3.6L,3.5
¶12082219
IDC Error ellipse: s-maj=290.3km s-min=31.7km az=67.0.
ISC I 24 21 27 30.1–.71 6.45S–.05 130.56E–.06 90 4.7b 41 2-151
ISCJB I 24 21 27 27.5–.33 6.16S–.03 130.29E–.07 90 4.7b **¶12082252**
NEIC I 24 21 27 28.1–1.9 6.07S 130.40E 81–19 4.4b
IDC I 24 21 27 29.8–5.0 6.10S 130.37E 94–48 4.3,4.2
DJA I 24 21 27 33 6.18S 130.49E 82 4.8b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=4.5km az=167.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.4km az=48.0.
IDC Error ellipse: s-maj=42.3km s-min=17.1km az=65.0.
IDC I 25 06 19 33.7–7.3 6.86S 129.35E 64–68 4.0L,3.7
¶12082288
IDC Error ellipse: s-maj=112.3km s-min=30.8km az=61.0.
IDC I 25 12 17 27.5–1.7 7.60S 128.64E 0 3.7,3.6L
¶12082304
IDC Error ellipse: s-maj=70.8km s-min=25.4km az=70.0.
IDC I 25 18 05 39.4–2.6 5.20S 131.46E 0 3.4,3.3L
¶12082322
IDC Error ellipse: s-maj=116.5km s-min=29.3km az=78.0.
IDC I 26 09 39 59.9–2.0 7.69S 127.16E 0 4.0L,3.8
¶12082364
IDC Error ellipse: s-maj=215.7km s-min=31.2km az=63.0.
IDC I 26 13 30 25.1–2.1 5.79S 129.77E 0 3.5,3.4L
¶12082374
IDC Error ellipse: s-maj=94.9km s-min=27.5km az=76.0.
IDC I 26 16 02 05.0–6.1 4.31S 126.00E 439–81 2.9,2.7b
¶12082385
IDC Error ellipse: s-maj=95.8km s-min=19.3km az=53.0.
IDC I 27 04 35 15.1–2.3 7.35S 127.63E 0 3.5,3.4b
¶12082443
IDC Error ellipse: s-maj=294.1km s-min=32.4km az=64.0.
IDC I 27 14 43 04.6–13 5.52S 129.29E 200–143 3.2,3.0
¶12082490
IDC Error ellipse: s-maj=108.0km s-min=43.6km az=49.0.
ISC I 28 04 38 00.4–.81 6.58S–.07 130.3E–.10 146 3.9b 28 12-73
IDC I 28 04 37 57.6–10 6.27S 130.25E 110–100 4.3L,4.1 **¶12082541**
NEIC I 28 04 37 57.8–2.5 6.31S 130.09E 110–26 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=93.7km s-min=24.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=13.9km az=56.0.
IDC I 28 08 15 47.1–1.5 7.39S 127.47E 0 3.8,3.8L
¶12082556
IDC Error ellipse: s-maj=84.7km s-min=22.3km az=78.0.
IDC I 28 13 39 00.8–17 6.63S 128.99E 147–183 4.0L,3.6
¶12082573
IDC Error ellipse: s-maj=145.7km s-min=56.0km az=43.0.

ISC I 28 13 47 35.9–.57 6.50S–.06 130.72E–.07 100 4.0b 38 2-71
IDC I 28 13 47 33.0–5.0 6.19S 130.62E 62–50 4.8L,4.4 **¶12082575**
DJA I 28 13 47 43 5.91S 130.56E 109 4.8,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=49.7km s-min=18.5km az=59.0.
IDC I 29 00 08 02.6–6.0 7.51S 128.79E 210–62 3.3,3.2
¶12082623
IDC Error ellipse: s-maj=61.6km s-min=28.9km az=65.0.
IDC I 29 05 55 48.0–1.6 6.87S 129.46E 0 4.1,4.0L
¶12082645
IDC Error ellipse: s-maj=70.8km s-min=24.5km az=70.0.
IDC I 29 07 27 33.2–2.0 7.65S 126.93E 0 4.2L,3.9
¶12082647
IDC Error ellipse: s-maj=285.9km s-min=31.1km az=63.0.
IDC I 29 09 19 21.6–2.3 6.27S 129.94E 0 3.9,3.8b
¶12082656
IDC Error ellipse: s-maj=110.8km s-min=27.3km az=77.0.
ISC I 29 11 22 51.0–.35 7.06S–.04 125.71E–.08 474–3 4.5b 187 6-153
BJI I 29 11 22 47.0 7.37S 125.93E 478 4.5b,4.4b **¶11656304**
ISCJB I 29 11 22 50.9–.81 7.05S–.04 125.56E–.07 487–11 4.5b,4.4b
DJA I 29 11 22 51 7.22S 125.64E 466 5.0b,4.4b
NEIC I 29 11 22 51.6–.42 7.05S 125.57E 481–5 4.6b,4.4b
IDC I 29 11 22 51.2–.59 7.06S 125.55E 473–6 4.2b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=4.9km az=155.7.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=3.6km az=64.0.
IDC Error ellipse: s-maj=15.0km s-min=6.7km az=72.0.
IDC I 30 01 09 25.0–1.8 4.18S 126.97E 0 3.6L,3.6
¶12082702
IDC Error ellipse: s-maj=152.4km s-min=26.6km az=65.0.
IDC I 30 05 44 30.0–2.1 7.53S 127.33E 0 3.9L,3.9
¶12082718
IDC Error ellipse: s-maj=189.5km s-min=31.9km az=63.0.
IDC I 30 07 30 45.4–2.4 6.37S 129.88E 0 3.7,3.6L
¶12082726
IDC Error ellipse: s-maj=108.7km s-min=27.9km az=77.0.
IDC I 30 16 14 00.7–1.6 7.07S 128.31E 0 3.6,3.5L
¶12082748
IDC Error ellipse: s-maj=98.1km s-min=24.3km az=76.0.
IDC I 30 20 37 04.0–2.2 5.89S 130.03E 0 3.5,3.3b
¶12082761
IDC Error ellipse: s-maj=120.4km s-min=31.4km az=70.0.
IDC I 30 23 19 10.8–2.0 6.68S 129.39E 0 4.2L,4.2
¶12082772
IDC Error ellipse: s-maj=88.4km s-min=26.8km az=76.0.
IDC I 30 23 37 53.9–2.3 6.75S 129.70E 0 3.6L,3.5
¶12082773
IDC Error ellipse: s-maj=83.3km s-min=29.7km az=77.0.
ISC I 31 09 00 08.1–.36 6.37S–.04 130.27E–.07 150 4.6b 125 2-129
BJI I 31 09 00 00.1 7.03S 130.67E 143 5.1b,4.7b **¶11657501**
ISCJB I 31 09 00 07.5–.23 6.33S–.03 130.17E–.05 150 4.5b,4.7b
IDC I 31 09 00 08.8–4.5 6.17S 130.34E 148–43 4.3,4.2
NEIC I 31 09 00 09.1–1.4 6.19S 130.25E 150–15 4.5b,4.2
DJA I 31 09 00 11 6.03S 130.49E 150 4.8b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.5km az=161.3.
IDC Error ellipse: s-maj=37.9km s-min=13.3km az=64.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.2km az=48.0.
IDC I 31 17 13 16.7–2.2 6.82S 128.69E 0 3.7,3.5L
¶12082842
IDC Error ellipse: s-maj=84.5km s-min=30.0km az=74.0.
IDC I 31 20 50 48.5–1.6 7.13S 125.99E 0 3.5,3.3L
¶12082856
IDC Error ellipse: s-maj=141.2km s-min=29.5km az=62.0.
IDC I 31 21 24 17.3–2.5 4.01S 128.04E 227–22 3.7,3.6b
DJA I 31 21 24 14 3.92S 128.01E 171 4.2,3.6b **¶12082861**
IDC Error ellipse: s-maj=58.7km s-min=9.1km az=66.0.
IDC II 01 00 13 03.6–2.2 7.05S 129.43E 0 3.7b,3.6
¶15954805
IDC Error ellipse: s-maj=142.5km s-min=31.7km az=68.0.
IDC II 01 08 17 26.1–2.2 6.89S 129.25E 0 3.5,3.4
¶15954817
IDC Error ellipse: s-maj=92.3km s-min=29.2km az=75.0.
IDC II 01 09 54 21.0–10 6.19S 129.41E 372–134 2.9,2.7
¶15954822
IDC Error ellipse: s-maj=103.5km s-min=49.6km az=67.0.
IDC II 02 00 04 55.7–2.1 6.28S 130.08E 0 4.3,4.3L
DJA II 02 00 05 08 6.31S 130.69E 185 4.2,4.3L **¶12699373**
IDC Error ellipse: s-maj=92.3km s-min=26.7km az=77.0.
IDC II 02 03 56 32.8–2.6 7.30S 128.36E 0 3.7L,3.6
¶15954881
IDC Error ellipse: s-maj=285.5km s-min=32.8km az=65.0.
IDC II 02 10 53 41.0–2.3 6.04S 127.02E 0 3.7,3.5L
¶15954889
IDC Error ellipse: s-maj=324.4km s-min=29.3km az=64.0.
IDC II 02 12 16 58.5–2.6 5.63S 130.76E 0 3.7,3.6L
¶15954895
IDC Error ellipse: s-maj=118.0km s-min=28.5km az=77.0.
IDC II 02 16 11 08.6–2.1 6.54S 129.58E 0 3.7,3.5
¶15954904
IDC Error ellipse: s-maj=81.5km s-min=28.3km az=76.0.
IDC II 02 17 35 04.6–4.3 6.11S 128.57E 381–52 2.7,2.6
¶15954908
IDC Error ellipse: s-maj=84.2km s-min=13.3km az=65.0.
IDC II 03 02 44 50.7–3.0 6.05S 127.27E 417–36 3.3,3.1
¶15954941
IDC Error ellipse: s-maj=63.8km s-min=11.3km az=65.0.
ISC II 03 09 36 42.0–.35 6.70S–.04 130.61E–.07 40–3 4.9b,3.6s 163 2-151
BJI II 03 09 36 32.2 7.58S 131.30E 35 5.0b,4.9s **¶11662492**
MOS II 03 09 36 39.7–.79 6.65S 130.68E 35 4.9b,4.9s
ISCJB II 03 09 36 39.9–.27 6.70S–.04 130.64E–.06 37 4.8b,3.7s
NEIC II 03 09 36 42.0–.97 6.67S 130.63E 40–10 4.7b,3.7s
IDC II 03 09 36 44.8–.70 6.68S 130.72E 66–4 4.3,4.3
DJA II 03 09 36 47 6.51S 130.92E 133 4.8b,4.3
ISC Event type se.
MOS Error ellipse: s-maj=21.1km s-min=7.2km az=110.6.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.7km az=167.3.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.2km az=46.0.
IDC Error ellipse: s-maj=23.9km s-min=14.1km az=72.0.
ISC II 03 13 57 25.2–.39 6.54S–.05 130.32E–.05 149–2 4.9b 293 2-151
BJI II 03 13 57 20.1 6.82S 130.53E 144 5.1b,4.8b **¶11662497**
MOS II 03 13 57 21.3–1.1 6.43S 130.06E 120 4.8b,4.8b
ISCJB II 03 13 57 25.1–.49 6.50S–.03 130.35E–.04 165–4 4.9b,4.8b
IDC II 03 13 57 27.5–1.7 6.45S 130.20E 163–15 4.4,4.4
DJA II 03 13 57 27 6.43S 130.22E 164 5.0b,4.4
NEIC II 03 13 57 27.5–.81 6.48S 130.14E 165–7 5.1b,4.4
ISC Event type se.
MOS Error ellipse: s-maj=15.8km s-min=6.5km az=115.8.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.9km az=161.6.
IDC Error ellipse: s-maj=15.6km s-min=10.0km az=75.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.0km az=52.0.
IDC II 03 16 08 53.3–1.6 5.86S 130.36E 0 4.0,4.0L
¶15954963
IDC Error ellipse: s-maj=69.9km s-min=20.9km az=67.0.
ISC II 03 16 44 48.5–.94 7.30S–.08 129.7E–.20 139 3.8b 19 11-72
IDC II 03 16 44 42.7–5.3 6.94S 129.83E 75–52 3.9L,3.8 **¶15954965**
ISC Event type ke.
IDC Error ellipse: s-maj=50.5km s-min=21.4km az=67.0.
IDC II 03 19 43 59.8–2.1 6.30S 130.38E 0 4.0,4.0L
DJA II 03 19 44 11 6.34S 130.66E 220 4.3,4.0L **¶12699490**
IDC Error ellipse: s-maj=89.7km s-min=26.9km az=78.0.

IDC II 03 22 33 00.2–2.1 5.69S 130.35E 0 3.9,3.8L
¶15954976

IDC Error ellipse: s-maj=79.9km s-min=28.4km az=77.0.
ISC II 03 22 54 47.9–.66 7.88S–.06 127.67E–.08 150 4.0b 37 10-127
NEIC II 03 22 54 45.9–2.3 7.60S 127.51E 124–24 4.1b **¶12699504**
IDC II 03 22 54 46.8–4.5 7.56S 127.61E 130–42 4.1,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=13.4km az=48.0.
IDC Error ellipse: s-maj=59.5km s-min=16.5km az=64.0.
IDC II 04 07 46 42.9–1.7 4.08S 124.92E 0 3.7,3.6L
¶15955004

IDC Error ellipse: s-maj=188.5km s-min=26.2km az=62.0.
IDC II 04 10 33 15.5–2.0 7.91S 125.68E 0 3.9,3.8L
¶15955011

IDC Error ellipse: s-maj=260.0km s-min=32.0km az=60.0.
IDC II 04 15 02 49.7–2.2 6.28S 130.91E 0 3.9,3.8
¶15955015

IDC Error ellipse: s-maj=90.1km s-min=27.8km az=78.0.
IDC II 05 11 36 59.9–1.2 5.15S 129.16E 0 4.0,3.9L
¶15955065

IDC Error ellipse: s-maj=56.1km s-min=22.9km az=74.0.
IDC II 05 14 36 33.7–1.5 6.13S 126.27E 0 3.6L,3.5
¶15955073

IDC Error ellipse: s-maj=153.0km s-min=26.7km az=63.0.
IDC II 05 19 14 24.6–2.1 6.66S 129.65E 0 4.2,4.2L
¶15955083

IDC Error ellipse: s-maj=90.0km s-min=26.9km az=77.0.
ISC II 05 21 33 26.5–1.2 6.5S–.10 130.2E–.20 146 3.4b 18 12-68
IDC II 05 21 33 12.9–1.7 6.01S 130.11E 0 3.9,3.7 **¶12699624**
DJA II 05 21 33 33 5.94S 130.40E 169 4.3,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=71.2km s-min=24.0km az=76.0.
IDC II 06 00 18 08.3–2.2 4.61S 128.84E 0 3.6,3.5b
¶15955122

IDC Error ellipse: s-maj=162.1km s-min=28.7km az=68.0.
ISC II 06 09 59 44.4–.31 7.05S–.03 123.29E–.05 656–3 4.9b 939 2-156
BJI II 06 09 59 40.2 7.30S 123.63E 665 5.0b,4.6b **¶11667365**
MOS II 06 09 59 40.9–.92 6.80S 123.20E 620 4.9b,4.6b
IDC II 06 09 59 44.9–.55 6.96S 123.28E 658–6 4.4,4.4
ISCJB II 06 09 59 44.1–.20 7.01S–.03 123.28E–.03 673–3 4.9b,4.4
DJA II 06 09 59 45 7.13S 123.25E 650 5.1b,4.4
NEIC II 06 09 59 45.1–.40 6.94S 123.24E 659–4 5.0b,4.4
ISC Event type se.
MOS Error ellipse: s-maj=12.3km s-min=6.4km az=113.5.
IDC Error ellipse: s-maj=11.0km s-min=6.9km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.4km az=146.6.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.8km az=61.0.
IDC II 06 14 26 12.4–2.4 6.14S 130.32E 0 3.6,3.6L
¶15955144

IDC Error ellipse: s-maj=107.1km s-min=27.7km az=77.0.
IDC II 06 15 28 25.2–2.4 6.87S 129.65E 0 3.5,3.4
¶15955147

IDC Error ellipse: s-maj=103.8km s-min=28.6km az=76.0.
IDC II 06 19 56 49.3–2.3 6.30S 130.23E 0 3.6,3.5L
¶15955153

IDC Error ellipse: s-maj=90.7km s-min=29.5km az=77.0.
IDC II 07 18 08 53.9–4.1 6.85S 127.61E 405–69 3.3b,3.1
¶15955190

IDC Error ellipse: s-maj=92.2km s-min=50.7km az=86.0.
IDC II 08 03 11 22.5–2.1 6.73S 129.47E 0 3.9,3.8b
¶15955208

IDC Error ellipse: s-maj=146.9km s-min=30.5km az=68.0.
IDC II 08 03 59 43.7–2.4 6.16S 129.89E 0 3.3,3.2
¶15955209

IDC Error ellipse: s-maj=140.2km s-min=32.9km az=69.0.
IDC II 08 14 11 43.5–7.8 4.21S 125.97E 384–94 3.4,3.2
¶15955220

IDC Error ellipse: s-maj=97.3km s-min=18.7km az=53.0.
IDC II 08 15 44 47.6–2.3 6.71S 129.85E 0 4.1,3.9
¶15955222

IDC Error ellipse: s-maj=86.6km s-min=29.0km az=77.0.
IDC II 09 12 05 18.8–2.3 6.01S 130.05E 0 4.0,3.9L
¶15955299

IDC Error ellipse: s-maj=93.5km s-min=28.5km az=77.0.
IDC II 09 17 54 41.6–2.0 6.16S 130.80E 0 3.9,3.8L
¶15955310

IDC Error ellipse: s-maj=103.7km s-min=24.8km az=80.0.
IDC II 09 18 50 11.7–1.6 6.35S 129.84E 0 3.9,3.9L
¶15955312

IDC Error ellipse: s-maj=61.4km s-min=24.2km az=75.0.
ISC II 10 07 16 33.2–.37 7.45S–.04 128.56E–.05 181–2 4.6b 202 5-151
MOS II 10 07 16 27.6–1.2 7.26S 128.43E 138 4.6b **¶11670430**
BJI II 10 07 16 29.6 7.62S 128.54E 180 4.9b,4.7b
IDC II 10 07 16 31.0–3.3 7.27S 128.52E 152–32 4.2,4.2
NEIC II 10 07 16 31.5–1.1 7.33S 128.54E 160–12 4.8b,4.2
ISCJB II 10 07 16 32.1–.62 7.43S–.03 128.61E–.04 190–6 4.5b,4.2
DJA II 10 07 16 33 7.39S 128.63E 179 4.7b,4.2
ISC Event type se.
MOS Error ellipse: s-maj=15.5km s-min=7.0km az=114.0.
IDC Error ellipse: s-maj=16.9km s-min=12.3km az=75.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.2km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=150.0.
IDC II 10 17 36 05.2–2.0 6.10S 129.05E 0 3.8,3.6
¶15955365

IDC Error ellipse: s-maj=80.6km s-min=27.4km az=75.0.
IDC II 10 20 23 22.8–2.3 6.18S 130.12E 0 3.9,3.9L
¶15955373

IDC Error ellipse: s-maj=109.9km s-min=27.0km az=77.0.
IDC II 11 08 17 25.4–2.1 6.63S 129.37E 0 4.3L,4.2
¶15955413

IDC Error ellipse: s-maj=88.7km s-min=27.7km az=76.0.
ISC II 12 17 34 28.3–.90 7.01S–.05 129.69E–.07 121–8 4.7b 137 2-151
BJI II 12 17 34 09.7 7.81S 130.17E 33 5.2b,4.8b **¶11671995**
NEIC II 12 17 34 25.2–1.1 7.00S 129.64E 90–11 4.7b,4.8b
ISCJB II 12 17 34 27.7–.71 7.06S–.04 129.74E–.06 137–8 4.6b,4.8b
IDC II 12 17 34 28.1–2.6 6.92S 129.67E 114–23 4.3,4.3
DJA II 12 17 34 29 7.14S 129.71E 97 4.9b,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.1km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.4km az=175.7.
IDC Error ellipse: s-maj=17.0km s-min=10.5km az=73.0.
IDC II 13 20 13 41.8–2.2 6.79S 128.92E 0 3.7,3.5
¶15955998

IDC Error ellipse: s-maj=89.5km s-min=28.9km az=75.0.
IDC II 14 10 19 29.9–2.1 7.52S 124.47E 384–31 3.1,3.0
¶15956044

IDC Error ellipse: s-maj=53.5km s-min=14.3km az=61.0.
ISC II 14 12 47 12.4–3.5 7.6S–.20 129.1E–.10 131 10 6-68
DJA II 14 12 47 08 6.95S 129.38E 166 4.1 **¶12700661**
IDC II 14 12 47 09.1–6.1 7.31S 129.06E 169–62 3.7,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=60.3km s-min=28.6km az=65.0.
IDC II 14 21 23 50.0–4.6 6.72S 129.50E 74–47 4.6L,4.3
DJA II 14 21 24 06 5.76S 130.12E 246 3.9,4.3 **¶12700707**
IDC Error ellipse: s-maj=34.1km s-min=20.4km az=63.0.
ISC II 14 21 31 48.2–.32 5.93S–.04 129.96E–.04 36–1 4.9b,4.0s 295 1-159
IDC II 14 21 31 42.9–.50 5.90S 130.01E 0 4.7,4.7 **¶11673106**
ISCJB II 14 21 31 43.1–.94 5.99S–.03 130.00E–.03 18–7 4.8b,4.1s
MOS II 14 21 31 46.5–.96 5.78S 129.99E 33 5.2b,4.1s
DJA II 14 21 31 46 5.84S 130.05E 10 5.0b,4.1s
NEIC II 14 21 31 47.8–.23 5.93S 129.97E 35 5.0b,4.1s
BJI II 14 21 31 47.0 6.00S 130.00E 35 5.1b,4.9s
TEH II 14 21 31 48.0 5.97S 129.98E 35 5.0L,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=12.5km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.8km az=137.9.
MOS Error ellipse: s-maj=14.2km s-min=7.4km az=121.9.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.3km az=47.0.
ISC II 14 22 02 55.4–.99 4.96S–.08 129.4E–.10 300 12 1-66
ISCJB II 14 22 02 56.5–.76 5.03S–.06 129.6E–.10 300 3.5b **¶12700710**
IDC II 14 22 02 56.3–3.4 4.84S 129.49E 324–34 3.3,3.1
DJA II 14 22 02 58.6–.80 5S–5.0 130E–5.0 270–12 4.8b,4.2b
ISC Event type ke.
ISCJB Event type ke.
IDC II 15 01 43 59.5–10 7.98S 124.53E 250–86 3.5b,3.4
¶15956113

IDC Error ellipse: s-maj=125.9km s-min=85.9km az=99.0.
IDC II 15 01 47 52.7–1.7 6.88S 128.09E 0 4.1L,4.0
¶15956114

IDC Error ellipse: s-maj=91.3km s-min=25.2km az=74.0.
IDC II 15 06 38 09.7–5.2 6.87S 129.51E 196–51 3.4,3.4b
¶15956136

IDC Error ellipse: s-maj=60.1km s-min=21.2km az=66.0.
IDC II 15 15 35 05.2–3.5 5.79S 128.62E 426–43 2.9b,2.8
¶15956166

IDC Error ellipse: s-maj=97.6km s-min=13.9km az=69.0.
IDC II 15 19 50 01.2–1.9 7.70S 127.18E 0 3.7,3.5
¶15956180

IDC Error ellipse: s-maj=136.1km s-min=31.6km az=63.0.
ISC II 16 03 34 55.3–.55 7.04S–.05 125.29E–.06 544–5 4.7b 92 3-156
ISCJB II 16 03 34 55.3–.28 7.01S–.04 125.23E–.04 554–4 4.4b **¶12700860**
IDC II 16 03 34 55.5–.93 7.00S 125.29E 544–10 3.9,3.8
DJA II 16 03 34 56 7.27S 125.29E 521 4.8b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=149.5.
IDC Error ellipse: s-maj=13.6km s-min=7.1km az=67.0.
IDC II 16 07 51 59.8–2.2 6.67S 129.40E 0 3.6,3.5L
¶15956257

IDC Error ellipse: s-maj=81.2km s-min=29.0km az=76.0.
IDC II 17 02 36 02.9–1.7 5.93S 130.01E 0 4.1,4.1L
¶15956386

IDC Error ellipse: s-maj=89.2km s-min=24.2km az=79.0.
IDC II 17 05 29 34.8–1.9 6.69S 130.58E 0 3.8,3.7
¶15956391

IDC Error ellipse: s-maj=86.8km s-min=26.1km az=79.0.
ISC II 17 06 16 33.5–.32 7.71S–.04 127.75E–.05 136–2 4.8b 244 4-162
BJI II 17 06 16 22.6 8.53S 128.25E 123 5.1b,4.9b **¶11678709**
ISCJB II 17 06 16 31.9–.20 7.61S–.03 127.75E–.04 131 4.8b,4.9b
NEIC II 17 06 16 34.9–.92 7.56S 127.76E 147–8 4.8b,4.9b
IDC II 17 06 16 35.4–1.4 7.49S 127.78E 152–11 4.6,4.6
DJA II 17 06 16 36 7.72S 127.90E 145 5.1b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.5km az=154.4.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.2km az=51.0.
IDC Error ellipse: s-maj=14.1km s-min=8.5km az=58.0.
IDC II 17 11 36 01.1–6.0 5.70S 129.14E 334–76 3.2,3.2b
¶15956404

IDC Error ellipse: s-maj=33.6km s-min=25.7km az=77.0.
IDC II 17 14 04 52.0–16 6.41S 129.78E 126–168 3.9L,3.2
¶15956415

IDC Error ellipse: s-maj=119.4km s-min=58.8km az=40.0.
ISC II 18 02 22 46.0–.99 6.93S–.08 130.3E–.10 146 9 2-68
IDC II 18 02 22 41.6–10 6.85S 129.69E 101–106 4.0L,3.8 **¶12701086**
ISCJB II 18 02 22 45.6–.80 6.88S–.05 130.3E–.10 146 3.5b,3.8
DJA II 18 02 23 00.1–1.9 6S–8.0 131E–5.0 110–23 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC II 18 14 27 41.8–2.2 7.00S 128.89E 0 3.6,3.6b
¶15956561

IDC Error ellipse: s-maj=89.0km s-min=29.3km az=75.0.
IDC II 18 14 55 06.9–2.2 4.26S 129.55E 0 3.8,3.6
¶15956564

IDC Error ellipse: s-maj=114.5km s-min=27.1km az=73.0.
ISC II 18 17 52 39.3–.93 7.2S–.20 126.0E–.30 488 3.4b 22 11-70
IDC II 18 17 52 36.8–2.1 7.04S 126.19E 456–23 3.2,3.1 **¶15956576**
ISCJB II 18 17 52 38.1–.68 7.3S–.20 125.9E–.30 488 3.4b,3.1
ISC Event type ke.
ISCJB Event type ke.
IDC II 18 21 16 21.9–1.6 7.37S 129.82E 0 4.0,4.0b
¶15956589

IDC Error ellipse: s-maj=80.4km s-min=23.2km az=71.0.
IDC II 19 01 02 14.7–17 5.11S 128.90E 250–195 3.0,2.8
¶15956678

IDC Error ellipse: s-maj=129.8km s-min=49.1km az=42.0.
ISC II 19 02 55 30.1–.70 4.11S–.06 128.27E–.07 188–6 4.1b 30 0-127
ISCJB II 19 02 55 29.4–.39 4.07S–.05 128.25E–.05 192–4 3.8b **¶12701201**
DJA II 19 02 55 31 4.10S 128.27E 172 4.2
IDC II 19 02 55 31.3–2.9 4.14S 128.16E 193–28 3.7,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.8km az=148.2.
IDC Error ellipse: s-maj=41.1km s-min=12.9km az=63.0.
IDC II 19 20 01 19.1–2.2 5.07S 128.80E 0 3.6,3.4
¶15956730

IDC Error ellipse: s-maj=160.9km s-min=29.6km az=68.0.
ISC II 20 06 21 26.6–1.1 7.58S–.07 128.9E–.10 151 9 4-68
IDC II 20 06 21 11.0–2.1 6.73S 129.06E 0 4.1,4.1L **¶12701318**
DJA II 20 06 21 30.0–.60 8S–4.0 129E–7.0 114–15 5.0b,4.6
ISC Event type ke.
IDC II 20 07 58 43.0–5.9 6.93S 128.49E 150–57 3.6,3.4
¶15956810

IDC Error ellipse: s-maj=65.0km s-min=23.3km az=67.0.
IDC II 20 19 49 27.5–7.8 6.78S 130.28E 149–76 3.4,3.2
¶15956834

IDC Error ellipse: s-maj=74.0km s-min=30.0km az=66.0.
IDC II 21 03 08 29.1–2.2 7.06S 129.99E 0 3.5L,3.3
¶15956851

IDC Error ellipse: s-maj=137.0km s-min=32.1km az=69.0.
IDC II 21 21 08 33.4–2.2 5.61S 130.59E 0 3.7,3.6b
¶15956898

IDC Error ellipse: s-maj=95.1km s-min=27.6km az=77.0.
IDC II 21 22 02 30.5–2.2 6.30S 129.94E 0 3.7,3.6L
¶15956901

IDC Error ellipse: s-maj=142.3km s-min=30.8km az=69.0.
ISC II 22 03 08 33.8–.58 6.69S–.06 129.38E–.08 165 3.9b 32 3-93
ISCJB II 22 03 08 32.3–.41 6.67S–.04 129.33E–.08 165 4.0b **¶11713512**
DJA II 22 03 08 34 6.66S 129.51E 10 4.9
IDC II 22 03 08 36.8–2.9 6.55S 129.48E 198–28 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.0km az=0.0.
IDC Error ellipse: s-maj=25.3km s-min=12.4km az=73.0.
IDC II 22 04 25 15.3–2.6 7.15S 128.29E 0 3.8L,3.7
¶15956913

IDC Error ellipse: s-maj=302.4km s-min=32.0km az=66.0.
IDC II 22 13 45 07.1–2.1 5.89S 130.46E 0 4.0b,3.8L
¶15956943

IDC Error ellipse: s-maj=93.5km s-min=26.8km az=77.0.
IDC II 23 04 27 28.3–1.2 6.91S 128.51E 0 4.0,3.9
¶15957033

IDC Error ellipse: s-maj=61.9km s-min=23.6km az=80.0.
IDC II 23 04 34 50.7–1.5 6.97S 128.76E 0 3.9,3.9b
¶15957034

IDC Error ellipse: s-maj=84.6km s-min=24.0km az=78.0.

ISC II 23 06 44 17.5–.45 7.32S–.06 128.75E–.08 131 4.3b 57 3-151
ISCJB II 23 06 44 15.8–.39 7.31S–.05 128.8E–.10 131 4.2b ¶12701616
IDC II 23 06 44 15.2–3.3 7.27S 128.75E 107–30 4.3,4.2
BJI II 23 06 44 16.9 7.50S 128.50E 143 4.8b,4.7b
NEIC II 23 06 44 16.2–1.9 7.30S 128.78E 118–18 4.8b,4.7b
DJA II 23 06 44 22 7.66S 128.49E 130 4.9b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=6.3km az=169.4.
IDC Error ellipse: s-maj=24.0km s-min=13.2km az=77.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.5km az=72.0.
IDC II 23 09 09 04.9–3.4 7.14S 126.86E 413–43 3.4b,3.3
¶15957047

IDC Error ellipse: s-maj=53.4km s-min=15.7km az=66.0.
IDC II 23 16 35 53.2–2.1 5.79S 130.43E 0 3.9,3.9L
¶15957069

IDC Error ellipse: s-maj=80.5km s-min=25.2km az=73.0.
IDC II 24 09 14 29.2–1.8 6.34S 129.42E 0 3.8,3.8b
¶15957154

IDC Error ellipse: s-maj=85.3km s-min=25.1km az=76.0.
IDC II 24 14 36 15.3–2.2 7.04S 127.38E 0 4.0b,3.9
¶15957168

IDC Error ellipse: s-maj=295.6km s-min=30.0km az=64.0.
ISC II 24 17 08 39.3–.70 7.43S–.06 129.36E–.08 150 3.5b 16 4-73
IDC II 24 17 08 24.5–1.5 6.76S 129.32E 0 4.2L,4.0 ¶12701764
ISCJB II 24 17 08 37.6–.61 7.41S–.05 129.20E–.08 150 3.3b,4.0
DJA II 24 17 08 41.3–.30 7S–3.0 129E–4.0 169–15 5.0b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC II 24 18 59 29.4–2.4 5.81S 130.50E 0 3.6,3.6L
¶15957178

IDC Error ellipse: s-maj=102.6km s-min=28.9km az=78.0.
IDC II 25 00 25 02.3–2.0 6.77S 129.62E 0 3.6,3.6b
¶15957225

IDC Error ellipse: s-maj=80.4km s-min=27.5km az=77.0.
IDC II 25 03 42 27.5–2.3 4.27S 130.37E 0 3.8,3.6
¶15957232

IDC Error ellipse: s-maj=106.5km s-min=27.9km az=75.0.
IDC II 25 04 30 16.7–1.7 4.19S 129.78E 0 4.0,3.9b
¶15957234

IDC Error ellipse: s-maj=94.9km s-min=24.0km az=70.0.
IDC II 25 08 29 16.9–2.0 6.42S 129.45E 0 3.8L,3.7
¶15957241

IDC Error ellipse: s-maj=80.4km s-min=27.4km az=76.0.
IDC II 25 12 16 30.6–2.3 6.81S 129.49E 0 3.5,3.4b
¶15957243

IDC Error ellipse: s-maj=105.1km s-min=27.9km az=76.0.
IDC II 25 22 37 24.5–2.0 6.96S 129.04E 0 3.6b,3.5
¶15957280

IDC Error ellipse: s-maj=118.9km s-min=31.6km az=67.0.
IDC II 26 19 05 26.4–1.4 5.80S 130.94E 0 3.8,3.7
¶15957373

IDC Error ellipse: s-maj=70.0km s-min=19.4km az=70.0.
ISC II 26 21 09 28.9–.16 7.53S–.03 127.80E–.03 138 5.4b 1274 4-163
BJI II 26 21 09 19.9 8.28S 128.35E 128 5.5b,5.3b ¶14189878
MOS II 26 21 09 28.5–.91 7.37S 127.71E 137 5.3b,4.2s
ISCJB II 26 21 09 28.1–.13 7.51S–.02 127.78E–.02 139 5.3b,4.2s
NEIC II 26 21 09 30.0–.11 7.47S 127.77E 145 5.5W,5.4b
IDC II 26 21 09 31.1–.56 7.47S 127.67E 152–4 5.1b,5.1
DJA II 26 21 09 33 7.74S 127.81E 158 5.2W,5.1
ISC Event type se.
MOS Error ellipse: s-maj=10.2km s-min=5.3km az=116.6.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.7km az=35.5.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=53.0. Moment Tensor Solution. s14 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-1.15 $M_{r\theta}$-1.10 $M_{\theta\phi}$0.00 $M_{\phi r}$-0.56 Best double couple: NP1:ϕ_s351.00000°,δ32.00000°,λ50.00000°. NP2:ϕ_s215.00000°,δ66.00000°,λ112.00000°. Principal axes: T 2.0300,Plg62.0000°,Azm160.0000° ; N -0.6800,Plg19.0000°,Azm25.0000°; P -1.3400,Plg17.0000°,Azm289.0000° $M_0$1.80000×10^{17}
IDC Error ellipse: s-maj=10.6km s-min=6.8km az=73.0.
IDC II 27 00 09 34.1–9.4 7.09S 129.48E 135–95 3.7,3.7L
¶15957425

IDC Error ellipse: s-maj=89.3km s-min=25.7km az=53.0.
IDC II 27 04 52 48.2–2.0 6.95S 127.90E 0 4.0,3.8
¶15957434

IDC Error ellipse: s-maj=103.8km s-min=27.1km az=72.0.
ISC II 27 06 38 15.2–.65 7.58S–.06 128.35E–.10 151 4.0b 29 5-151
ISCJB II 27 06 38 13.5–.56 7.51S–.05 128.29E–.09 151 3.9b ¶12701981
DJA II 27 06 38 15.9–1.0 7S–8.0 128E–12 152–22 5.5b,5.0
IDC II 27 06 38 16.9–2.5 7.46S 128.15E 160–23 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=6.4km az=169.8.
IDC Error ellipse: s-maj=30.8km s-min=13.7km az=65.0.
IDC II 27 10 44 50.1–10 6.89S 129.81E 97–97 3.7L,3.6b
¶15957445

IDC Error ellipse: s-maj=109.3km s-min=29.6km az=53.0.
IDC II 27 11 48 05.0–3.0 7.28S 129.24E 116–27 3.9s,3.9
¶15957449

IDC Error ellipse: s-maj=41.0km s-min=21.1km az=68.0.
IDC II 27 12 55 33.1–16 5.43S 129.02E 170–175 4.3L,4.1
¶15957454

IDC Error ellipse: s-maj=141.6km s-min=49.1km az=49.0.
IDC II 27 21 23 48.7–1.5 6.04S 129.73E 0 3.7,3.6
¶15957479

IDC Error ellipse: s-maj=78.1km s-min=22.7km az=71.0.
IDC II 27 23 22 03.4–2.2 4.86S 129.78E 0 3.7,3.5
¶15957485

IDC Error ellipse: s-maj=81.9km s-min=29.7km az=74.0.
ISC II 28 12 19 56.1–.57 6.86S–.08 125.19E–.08 543 3.8b 27 4-83
ISCJB II 28 12 19 55.3–.42 6.79S–.06 125.13E–.07 543 3.8b ¶12702099
DJA II 28 12 19 55 6.77S 125.07E 574 4.9
IDC II 28 12 19 56.4–1.4 6.84S 125.13E 545–19 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=7.4km az=136.8.
IDC Error ellipse: s-maj=21.4km s-min=10.5km az=54.0.
IDC II 28 13 25 48.5–2.3 6.00S 125.92E 0 4.2L,4.0
¶15957519

IDC Error ellipse: s-maj=479.8km s-min=29.2km az=62.0.
IDC II 28 15 48 08.7–2.0 7.91S 129.30E 0 3.4b,3.2
¶15957533

IDC Error ellipse: s-maj=102.8km s-min=32.1km az=67.0.
IDC II 28 19 25 25.0–2.2 6.63S 129.88E 0 3.4,3.4b
¶15957545

IDC Error ellipse: s-maj=90.8km s-min=28.8km az=77.0.
IDC II 28 22 34 19.5–1.5 6.77S 128.85E 0 4.3L,4.1
¶15957552

IDC Error ellipse: s-maj=79.2km s-min=23.5km az=77.0.
IDC III 01 13 05 54.4–8.3 6.96S 125.57E 487–122 2.7,2.5
¶12702192

IDC Error ellipse: s-maj=137.2km s-min=43.5km az=48.0.
ISC III 01 15 26 12.5–.35 7.51S–.05 128.39E–.07 151 4.4b 119 3-151
ISCJB III 01 15 26 10.9–.26 7.53S–.03 128.29E–.05 151 4.4b ¶11731010
IDC III 01 15 26 10.8–2.8 7.37S 128.44E 133–25 4.1,4.1
NEIC III 01 15 26 14.0–1.1 7.44S 128.38E 163–11 4.6b,4.1
BJI III 01 15 26 14.2 7.30S 128.95E 195 4.5b,4.3b
DJA III 01 15 26 16.2–.50 8S–5.0 129E–6.0 155–32 5.5b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC III 01 19 47 09.7–.42 7.70S–.05 128.07E–.07 142 4.5b 106 4-151
NEIC III 01 19 46 59.0–.39 7.15S 128.29E 35 5.1b ¶12702213
IDC III 01 19 47 07.5–3.8 7.46S 128.16E 118–35 4.1,4.0
ISCJB III 01 19 47 08.2–.29 7.61S–.03 128.03E–.05 142 4.4b,4.0
BJI III 01 19 47 10.0 7.60S 128.70E 187 4.6b,4.4b
DJA III 01 19 47 11.8–.30 8S–4.0 128E–3.0 151–10 5.2b,4.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
AUST III 02 00 13 56.4–.02 4.89S 129.02E 332–0
¶15153021

AUST Error ellipse: s-maj=2.1km s-min=1.3km az=299.0.
ISC III 02 17 46 29.7–1.2 5.56S–.09 131.55E–.08 54 9 1-68
IDC III 02 17 46 21.5–2.6 5.06S 131.67E 0 3.8L,3.7 ¶15153018
AUST III 02 17 46 28.5–99 5.33S 131.60E 8–0 3.8L,3.7
ISCJB III 02 17 46 30.2–1.1 5.53S–.09 131.50E–.10 54 3.1b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC III 02 20 57 19.3–1.9 6.91S 128.65E 0 3.5L,3.5
¶12702297

IDC Error ellipse: s-maj=105.9km s-min=25.7km az=75.0.
ISC III 02 22 36 30.4–.42 7.04S–.06 125.04E–.08 543 4.2b 85 5-153
AUST III 02 22 36 25.1 7.00S 125.01E 450 4.2b ¶15153020
BJI III 02 22 36 27.4 7.22S 125.19E 553 4.6b,4.3b
ISCJB III 02 22 36 29.3–.24 6.98S–.05 125.06E–.06 543 4.1b,4.3b
NEIC III 02 22 36 29.4–.66 7.08S 125.07E 534–9 4.5b,4.3b
IDC III 02 22 36 30.1–1.2 7.00S 125.09E 533–15 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=3.8km az=146.7.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=6.4km az=51.0.
IDC Error ellipse: s-maj=18.9km s-min=7.8km az=65.0.
IDC III 03 07 58 51.6–7.9 6.85S 127.53E 412–98 3.2,3.1b
AUST III 03 07 59 11.8–.01 11.15S 125.84E 132–0 3.2,3.1b ¶12702331
IDC Error ellipse: s-maj=101.5km s-min=32.0km az=50.0.
AUST Error ellipse: s-maj=1.9km s-min=0.9km az=24.0.
IDC III 03 10 37 52.2–2.5 6.82S 127.26E 0 3.7L,3.7
¶12702338

IDC Error ellipse: s-maj=312.6km s-min=32.4km az=64.0.
ISC III 03 15 01 42.3–1.5 7.8S–.10 123.88E–.09 10 8 4-66
IDC III 03 15 01 41.0–1.8 7.77S 123.93E 0 3.9,3.8L ¶15153027
AUST III 03 15 01 56.7–3.8 8.64S 123.63E 105 3.9,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=130.3km s-min=26.7km az=64.0.
AUST Error ellipse: s-maj=4.5km s-min=1.6km az=352.0.
ISC III 03 15 41 59.5–.77 6.09S–.06 129.91E–.07 10 3.9b 13 3-72
ISCJB III 03 15 41 59.2–.61 6.06S–.06 129.8E–.10 10 3.6b ¶15153029
IDC III 03 15 41 59.5–1.2 6.06S 129.89E 0 3.9,3.8L
AUST III 03 15 42 02.9–.01 5.84S 129.81E 148–0 3.9,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=8.2km az=167.2.
IDC Error ellipse: s-maj=76.3km s-min=19.9km az=73.0.
AUST Error ellipse: s-maj=1.7km s-min=1.1km az=234.0.
IDC III 03 21 16 26.8–14 5.95S 128.25E 414–209 3.2,3.0
¶12702384

IDC Error ellipse: s-maj=117.0km s-min=63.6km az=95.0.
IDC III 04 09 09 38.3–3.4 7.05S 125.07E 540–50 3.3,3.3
¶12702409

IDC Error ellipse: s-maj=28.9km s-min=18.2km az=89.0.
IDC III 04 09 47 22.4–2.0 4.61S 126.45E 0 3.7,3.5
¶12702411

IDC Error ellipse: s-maj=165.3km s-min=29.2km az=64.0.
IDC III 04 17 04 44.6–1.7 6.34S 129.94E 0 4.0,3.9L
¶12702438

IDC Error ellipse: s-maj=73.2km s-min=24.7km az=71.0.
ISC III 04 18 19 11.7–.67 4.58S–.06 126.79E–.05 23 3.8b 34 2-69
IDC III 04 18 19 08.6–1.0 4.46S 126.76E 0 4.8L,4.1 ¶15153044
ISCJB III 04 18 19 10.3–.43 4.52S–.04 126.73E–.03 23 3.7b,3.2s
AUST III 04 18 19 12.8–.00 4.64S 126.80E 103–0 3.7b,3.2s
DJA III 04 18 19 13.8–.40 4S–3.0 127E–2.0 56–13 5.0b,4.9b
ISC Event type ke.
ISCJB Event type ke.
ISC III 04 22 01 08.2–.65 7.31S–.05 129.07E–.09 131 3.6b 22 4-128
ISCJB III 04 22 01 06.9–.48 7.18S–.04 129.2E–.10 131 3.6b ¶15153046
IDC III 04 22 01 10.2–3.8 7.41S 129.31E 162–42 3.6,3.6
AUST III 04 22 01 14.2 7.48S 129.54E 200 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=5.1km az=168.7.
IDC Error ellipse: s-maj=30.0km s-min=23.6km az=104.0.
IDC III 05 03 17 45.9–2.2 6.27S 129.84E 0 3.7,3.5
¶12702467

IDC Error ellipse: s-maj=100.4km s-min=28.0km az=76.0.
ISC III 06 08 02 00.8–1.0 6.92S–.08 129.5E–.10 146 4.0b 14 3-72
IDC III 06 08 01 44.4–1.4 6.22S 130.28E 0 4.2b,4.1 ¶15153083
ISCJB III 06 08 01 60.0–.86 6.93S–.06 129.42E–.10 146 3.9b,4.1
AUST III 06 08 02 03.6–3.5 6.94S 129.66E 156–1 3.9b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=76.8km s-min=21.1km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=8.3km az=178.5.
AUST Error ellipse: s-maj=3.7km s-min=1.5km az=311.0.
IDC III 06 09 09 23.2–5.2 7.57S 126.88E 340–71 3.3b,3.1
¶12702552

IDC Error ellipse: s-maj=84.0km s-min=54.4km az=84.0.
IDC III 06 09 31 32.2–2.4 6.18S 130.22E 0 3.9b,3.9
¶12702553

IDC Error ellipse: s-maj=94.2km s-min=29.1km az=77.0.
IDC III 06 12 33 19.8–8.3 5.54S 128.78E 291–94 3.2,3.0
¶12702563

IDC Error ellipse: s-maj=66.1km s-min=34.1km az=59.0.
IDC III 06 16 13 50.1–2.0 7.00S 128.97E 0 3.8L,3.7
¶12702573

IDC Error ellipse: s-maj=82.6km s-min=27.4km az=75.0.
ISC III 06 19 33 37.3–.90 7.32S–.06 128.88E–.08 131 11 4-39
IDC III 06 19 33 31.1–3.4 6.96S 129.35E 0 3.9,3.7L ¶15153087
ISCJB III 06 19 33 38.7–.85 7.35S–.05 128.85E–.10 131 3.2b,3.7L
AUST III 06 19 33 39.6–.01 7.19S 128.83E 119–0 3.2b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=106.6km s-min=27.8km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=7.3km az=176.3.
AUST Error ellipse: s-maj=2.0km s-min=0.9km az=254.0.
ISC III 06 21 42 13.8–1.3 7.37S–.08 129.1E–.10 131 13 6-68
IDC III 06 21 42 00.4–2.1 6.71S 129.36E 0 3.9,3.7L ¶15153089
ISCJB III 06 21 42 13.6–1.1 7.31S–.09 129.0E–.10 131 3.2b,3.7L
AUST III 06 21 42 15.1 7.48S 129.04E 200 3.2b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=88.2km s-min=27.4km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=7.8km az=147.0.
IDC III 06 22 53 15.5–2.8 6.94S 126.43E 438–35 3.1,3.0b
¶12702596

IDC Error ellipse: s-maj=78.7km s-min=12.3km az=66.0.
IDC III 07 00 18 48.3–1.7 6.84S 129.49E 0 3.8L,3.7
¶12702600

IDC Error ellipse: s-maj=123.4km s-min=28.7km az=71.0.
IDC III 07 06 21 39.8–4.4 7.99S 124.01E 115–42 3.4,3.2
¶12702620

IDC Error ellipse: s-maj=109.8km s-min=15.6km az=60.0.
IDC III 07 13 03 30.6–2.3 6.51S 129.64E 0 3.8L,3.8
¶12702642

IDC Error ellipse: s-maj=145.7km s-min=31.7km az=69.0.
IDC III 07 13 43 57.5–4.7 7.67S 123.49E 270–56 3.3,3.1
¶12702643

IDC Error ellipse: s-maj=51.4km s-min=21.1km az=63.0.
ISC III 07 18 45 46.3–.56 6.48S–.07 128.5E–.10 334 3.8b 31 3-70
ISCJB III 07 18 45 45.2–.38 6.39S–.05 128.50E–.08 334 3.6b ¶12702655
IDC III 07 18 45 47.5–4.2 6.39S 128.49E 343–51 3.6,3.6

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=5.9km az=157.4.
IDC Error ellipse: s-maj=26.0km s-min=15.5km az=65.0.
IDC III 07 22 59 59.0–2.3 7.04S 129.92E 0 3.6,3.6L
¶12702669

IDC Error ellipse: s-maj=85.9km s-min=29.3km az=77.0.
IDC III 07 23 09 30.4–2.1 7.57S 129.81E 0 3.4L,3.4
¶12702671

IDC Error ellipse: s-maj=81.6km s-min=28.1km az=77.0.
IDC III 08 04 46 26.6–2.1 6.88S 129.27E 0 3.7,3.6L
¶12702681

IDC Error ellipse: s-maj=142.5km s-min=31.2km az=68.0.
ISC III 08 07 33 00.7–.67 7.67S–.06 127.99E–.08 142 3.9b 25 5-82
ISCJB III 08 07 32 59.1–.52 7.53S–.05 128.00E–.06 142 3.8b **¶15153107**
AUST III 08 07 32 59.1 7.49S 128.03E 100 3.8b
IDC III 08 07 33 00.0–4.8 7.54S 127.98E 138–46 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.5km az=153.8.
IDC Error ellipse: s-maj=46.0km s-min=16.3km az=59.0.
ISC III 08 15 25 38.5–.88 6.74S–.05 130.28E–.06 104 3.6b 21 2-93
IDC III 08 15 25 32.5–.96 6.81S 130.50E 0 4.2L,4.0 **¶15153111**
ISCJB III 08 15 25 37.0–.52 6.81S–.04 130.27E–.07 104 3.5b,4.0
AUST III 08 15 25 38.3–.01 6.91S 130.20E 38–0 3.5b,4.0
DJA III 08 15 25 39.6–.50 7S–5.0 130E–4.0 58–31 5.2b,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC III 08 16 35 02.7–1.6 7.58S 127.12E 0 3.6,3.5b
¶12702738

IDC Error ellipse: s-maj=99.3km s-min=25.4km az=73.0.
IDC III 09 08 32 51.2–12 6.56S 127.82E 375–160 2.9,2.8b
¶12702785

IDC Error ellipse: s-maj=99.2km s-min=27.3km az=34.0.
IDC III 09 08 52 30.9–1.7 6.26S 130.91E 0 3.9b,3.9
¶12702786

IDC Error ellipse: s-maj=66.2km s-min=24.4km az=78.0.
ISC III 09 15 04 48.5–.46 7.60S–.05 128.97E–.05 131 4.0b 48 4-151
IDC III 09 15 04 44.7–3.4 7.38S 128.83E 98–31 3.9,3.8b **¶15153124**
AUST III 09 15 04 46.7–.27 7.58S 128.91E 98–0 3.9,3.8b
ISCJB III 09 15 04 48.1–.40 7.58S–.04 129.03E–.04 131 3.9b,3.8b
DJA III 09 15 04 50.2–.50 8S–4.0 129E–5.0 79–16 5.4b,4.9
ISC Event type ke.
ISCJB Event type ke.
ISC III 10 03 44 48.8–.70 7.04S–.07 125.12E–.09 543 3.9b 35 3-70
AUST III 10 03 44 37.3 6.50S 124.51E 450 3.9b **¶15153139**
ISCJB III 10 03 44 47.7–.38 6.96S–.06 125.08E–.07 543 3.9b
DJA III 10 03 44 48.1–.30 7S–5.0 125E–5.0 537–11 4.4b,4.3b
IDC III 10 03 44 48.7–1.5 7.06S 124.98E 536–21 3.5,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.3km az=141.9.
IDC Error ellipse: s-maj=46.9km s-min=11.6km az=58.0.
IDC III 10 10 52 44.5–2.2 7.09S 129.04E 0 3.5b,3.5
¶12702866

IDC Error ellipse: s-maj=142.2km s-min=32.2km az=67.0.
ISC III 10 11 19 17.5–.86 7.04S–.08 127.5E–.10 315 17 5-71
ISCJB III 10 11 19 16.4–.68 6.97S–.07 127.50E–.09 315 3.2b **¶15153148**
AUST III 10 11 19 16.6–.02 6.89S 127.39E 328–0 3.2b
IDC III 10 11 19 20.9–5.1 7.24S 127.31E 341–55 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=7.7km az=150.6.
AUST Error ellipse: s-maj=1.6km s-min=1.2km az=31.0.
IDC Error ellipse: s-maj=69.8km s-min=19.1km az=63.0.
ISC III 10 12 26 18.0–.00 7.00S–.09 126.9E–.20 450 3.3b 13 7-71
ISCJB III 10 12 26 16.2–.64 6.90S–.07 126.8E–.20 450 3.2b **¶15153141**
IDC III 10 12 26 18.4–2.7 7.05S 126.67E 462–35 3.0,2.9b
AUST III 10 12 26 35.6–.03 8.90S 126.98E 442–0 3.0,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.3km s-min=7.8km az=164.5.
IDC Error ellipse: s-maj=42.0km s-min=12.4km az=68.0.
AUST Error ellipse: s-maj=3.0km s-min=1.5km az=239.0.
ISC III 10 16 09 37.0–.75 5.62S–.07 129.1E–.10 350 3.5b 18 2-84
AUST III 10 16 08 03.3 1.50N 130.00E 35 3.5b **¶15153142**
ISCJB III 10 16 09 35.2–.64 5.50S–.06 129.02E–.09 350 3.4b
IDC III 10 16 09 38.1–3.5 5.62S 128.75E 360–38 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=8.2km az=178.8.
IDC Error ellipse: s-maj=41.4km s-min=10.7km az=76.0.
ISC III 10 19 10 29.2–.63 7.26S–.06 129.76E–.08 139 3.8b 22 3-72
AUST III 10 19 10 24.0–3.4 7.29S 129.63E 0–0 3.8b **¶15153150**
IDC III 10 19 10 27.5–2.6 7.01S 129.93E 109–26 3.8,3.7
ISCJB III 10 19 10 28.5–.51 7.10S–.04 129.88E–.09 139 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC III 11 15 03 55.2–.40 7.48S–.04 128.83E–.06 131 4.3b 78 3-151
IDC III 11 15 03 52.7–3.4 7.33S 128.78E 107–32 4.1,4.0 **¶15153160**
NEIC III 11 15 03 53.5–1.9 7.29S 128.80E 116–19 4.6b,4.0
ISCJB III 11 15 03 53.5–.28 7.35S–.03 128.85E–.05 131 4.2b,4.0
AUST III 11 15 03 54.4 7.49S 128.54E 100 4.2b,4.0
BJI III 11 15 03 55.7 7.50S 128.70E 157 4.6b,4.6b
DJA III 11 15 03 59.0–.40 7S–4.0 129E–3.0 196–16 5.1b,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 11 15 32 43.4–1.8 7.70S 125.82E 0 3.6,3.4
¶12702978

IDC Error ellipse: s-maj=109.7km s-min=26.5km az=68.0.
ISC III 11 16 30 56.1–.68 7.91S–.04 128.32E–.06 44 4.2b 31 4-151
ISCJB III 11 16 30 54.0–.45 7.92S–.03 128.23E–.05 44 4.6s,4.2b **¶15153165**
IDC III 11 16 30 55.1–4.0 7.52S 128.24E 106–39 4.7s,4.7
DJA III 11 16 30 59.9–.30 8S–4.0 128E–3.0 126–17 5.1b,4.4
AUST III 11 16 31 00.1 7.98S 128.54E 100 5.1b,4.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.0km az=174.4.
IDC Error ellipse: s-maj=36.5km s-min=17.4km az=62.0.
IDC III 11 18 25 40.6–14 6.59S 128.84E 170–150 3.0L,2.9b
¶12702996

IDC Error ellipse: s-maj=111.3km s-min=53.7km az=40.0.
IDC III 11 19 45 08.8–16 6.70S 129.71E 106–178 3.2b,3.0
¶12703002

IDC Error ellipse: s-maj=135.1km s-min=62.3km az=37.0.
ISC III 13 02 03 16.8–.30 7.08S–.04 129.37E–.04 157–2 5.3b 1027 3-161
BJI III 13 02 03 12.6 7.35S 129.63E 163 5.2b,5.2b **¶11876232**
IDC III 13 02 03 15.8–.92 7.08S 129.33E 144–7 5.0,5.0b
GCMT III 13 02 03 15.9–.20 7.25S 129.43E 140–4 5.2W,5.0b
MOS III 13 02 03 15.2–1.0 6.91S 129.38E 147 5.4b,5.0b
DJA III 13 02 03 16.6–.20 7S–3.0 130E–2.0 126–5 5.9,5.8b
NEIC III 13 02 03 16.2–.65 7.08S 129.34E 151–5 5.3b,5.8b
ISCJB III 13 02 03 16.1–.39 7.10S–.03 129.47E–.03 167–3 5.3b,5.8b
ISC Event type fe.
GCMT Event type se. Data Used: II G IU IC. Moment Tensor Solution. s19,c19; s85,c137; Moment tensor: Scale 10^{16}Nm; M_{rr}3.32±.38 $M_{\theta\theta}$-4.27±.50; $M_{\phi\phi}$0.95±.45; $M_{r\theta}$7.60±.27; $M_{\theta\phi}$-2.95±.44; $M_{\phi r}$1.05±.26; Best double couple: NP1:ϕ_s217.00000°,δ19.00000°,λ46.00000°. NP2:ϕ_s83.00000°,δ76.00000°,λ104.00000°. Principal axes: T 8.0900,Plg57.0000° ,Azm10.0000°; N 1.7600,Plg13.0000°,Azm259.0000°; P -9.8400,Plg30.0000°,Azm162.0000° M_o9.00000×10^{16}
NEIC Event type fe. Felt [II] at Darwin, Australia.
ISCJB Event type fe.
IDC III 13 07 23 36.4–14 7.43S 127.53E 107–153 3.4L,3.4
¶12703147

IDC Error ellipse: s-maj=133.6km s-min=56.7km az=39.0.
IDC III 13 12 13 54.6–6.4 7.93S 124.27E 403–82 3.0b,3.0
¶12703167

IDC Error ellipse: s-maj=126.6km s-min=28.3km az=52.0.
IDC III 13 18 52 43.8–12 5.44S 129.01E 208–133 3.2,3.0
¶12703193

IDC Error ellipse: s-maj=98.4km s-min=42.1km az=51.0.
IDC III 14 01 53 35.7–1.9 6.64S 129.09E 0 3.9b,3.9
¶12703210

IDC Error ellipse: s-maj=77.2km s-min=26.4km az=75.0.
IDC III 14 02 19 39.2–1.9 6.59S 129.34E 0 4.1b,3.9
¶12703212

IDC Error ellipse: s-maj=114.2km s-min=30.8km az=68.0.
IDC III 14 08 17 13.7–2.3 5.61S 130.41E 0 3.5b,3.5
¶12703235

IDC Error ellipse: s-maj=95.2km s-min=28.6km az=77.0.
IDC III 14 15 29 33.2–2.1 6.99S 129.05E 0 3.9L,3.9
¶12703276

IDC Error ellipse: s-maj=103.0km s-min=27.0km az=75.0.
ISC III 15 15 17 29.1–1.1 7.89S–.08 127.92E–.08 100 17 5-68
IDC III 15 15 17 13.0–2.1 7.06S 127.80E 0 4.1,4.0L **¶15153207**
ISCJB III 15 15 17 27.7–.81 7.86S–.06 127.91E–.07 100 3.4b,4.0L
AUST III 15 15 17 30.0 7.99S 128.04E 100 3.4b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=102.1km s-min=28.0km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.5km az=142.3.
ISC III 15 17 13 16.3–.53 6.61S–.07 127.40E–.06 10 4.1b 31 3-109
ISCJB III 15 17 13 14.5–.40 6.64S–.05 127.43E–.04 10 4.0b,3.1s **¶15153208**
AUST III 15 17 13 14.9–2.4 6.63S 127.39E 0–0 4.0b,3.1s
IDC III 15 17 13 14.8–.73 6.68S 127.38E 0 4.2,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.6km az=35.0.
AUST Error ellipse: s-maj=0.9km s-min=0.8km az=272.0.
IDC Error ellipse: s-maj=24.9km s-min=15.2km az=63.0.
ISC III 16 18 58 07.5–1.6 5.7S–.10 131.1E–.10 68 9 2-40
IDC III 16 18 57 59.9–2.4 5.61S 131.00E 0 4.0,3.8L **¶15153224**
ISCJB III 16 18 58 07.2–.78 5.82S–.05 131.0E–.10 68 3.5b,3.8L
AUST III 16 18 58 11.2 5.48S 131.03E 200 3.5b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=72.5km s-min=26.1km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=6.4km az=172.8.
ISC III 16 19 31 00.8–.42 6.72S–.05 130.01E–.06 146 3.9b 69 2-155
AUST III 16 19 30 56.0–.25 6.61S 130.23E 89–0 3.9b **¶15153219**
IDC III 16 19 30 57.6–3.3 6.59S 129.89E 110–30 4.0,3.9
ISCJB III 16 19 30 59.7–.26 6.64S–.03 130.04E–.04 146 3.8b,3.9
DJA III 16 19 31 00.8–.20 7S–3.0 130E–2.0 110–6 5.6b,5.2
ISC Event type ke.
ISCJB Event type ke.
IDC III 16 21 38 46.8–1.6 4.08S 126.16E 0 3.9,3.7
¶12703459

IDC Error ellipse: s-maj=49.7km s-min=26.1km az=64.0.
IDC III 17 12 02 51.9–12 6.17S 129.58E 250–132 2.4,2.3
¶12703510

IDC Error ellipse: s-maj=81.9km s-min=69.2km az=71.0.
ISC III 17 15 58 50.3–.78 4.20S–.05 131.49E–.05 29 22 1-39
AUST III 17 15 58 47.1–2.8 4.12S 131.51E 1–0 **¶15153237**
ISCJB III 17 15 58 49.6–.59 4.19S–.05 131.63E–.07 29 3.7b
DJA III 17 15 58 51.3–.80 4S–5.0 132E–5.0 110–13 4.8b,4.8b
IDC III 17 15 58 51.3–2.8 4.49S 130.83E 0 4.1L,4.1
ISC Event type ke.
AUST Error ellipse: s-maj=1.3km s-min=0.8km az=256.0.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.8km az=160.8.
IDC Error ellipse: s-maj=100.0km s-min=27.3km az=60.0.
ISC III 18 19 15 48.7–.66 7.82S–.05 127.54E–.07 150 3.6b 24 4-151
IDC III 18 19 15 46.1–5.2 7.56S 127.57E 126–47 3.8,3.6 **¶15153254**
ISCJB III 18 19 15 48.3–.54 7.72S–.04 127.51E–.05 150 3.5b,3.6
AUST III 18 19 15 50.6–1.2 7.82S 127.60E 153–0 3.5b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=73.0km s-min=18.2km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.8km az=177.2.
AUST Error ellipse: s-maj=1.4km s-min=0.9km az=269.0.
IDC III 18 21 21 21.2–2.1 6.30S 129.82E 0 3.6b,3.5
¶12703613

IDC Error ellipse: s-maj=90.2km s-min=27.3km az=77.0.
IDC III 19 14 24 39.0–2.3 6.15S 130.21E 0 3.6b,3.5
¶12703684

IDC Error ellipse: s-maj=90.7km s-min=29.3km az=77.0.
IDC III 19 14 57 14.5–1.4 5.70S 130.76E 0 4.2,4.2s
¶15153277

IDC Error ellipse: s-maj=76.4km s-min=21.1km az=75.0.
IDC III 19 20 33 30.6–1.9 6.60S 129.20E 0 4.3,4.1L
¶12703728

IDC Error ellipse: s-maj=78.6km s-min=26.3km az=76.0.
IDC III 19 23 45 39.2–2.0 8.00S 124.50E 0 3.5b,3.4
¶12703747

IDC Error ellipse: s-maj=240.3km s-min=36.2km az=64.0.
IDC III 20 04 00 31.2–16 5.66S 129.20E 250–182 3.3,3.1
¶12703771

IDC Error ellipse: s-maj=144.0km s-min=47.1km az=46.0.
ISC III 20 05 57 53.9–2.6 6.3S–.20 130.1E–.10 146 9 3-72
IDC III 20 05 57 41.7–2.2 5.65S 130.82E 0 4.0b,3.9 **¶15153312**
AUST III 20 05 58 13.2 7.47S 130.55E 200 4.0b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=115.8km s-min=25.7km az=78.0.
ISC III 20 09 02 12.7–.79 6.99S–.05 130.4E–.10 78 3.8b 16 3-129
IDC III 20 09 02 03.4–1.3 6.69S 130.66E 0 4.4L,4.3 **¶15153317**
ISCJB III 20 09 02 11.1–.73 7.01S–.04 130.33E–.08 78 3.7b,4.3
AUST III 20 09 02 13.7 6.97S 130.54E 100 3.7b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=82.9km s-min=20.9km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.9km az=8.5.
IDC III 20 15 52 05.0–1.7 7.36S 124.53E 0 3.7,3.6L
¶12703831

IDC Error ellipse: s-maj=119.2km s-min=25.6km az=65.0.
IDC III 20 16 47 24.4–2.1 7.83S 127.54E 0 3.6L,3.5
¶12703838

IDC Error ellipse: s-maj=278.2km s-min=31.5km az=63.0.
DJA III 21 00 56 04.0–.50 7S–8.0 126E–4.0 10 5.5b,5.2b
¶16496014
ISC III 21 00 56 10.0–.94 5.43S–.09 129.5E–.10 300 3.5b 23 8-70
ISCJB III 21 00 56 08.7–.60 5.46S–.09 129.3E–.20 300 3.6b **¶15153340**
IDC III 21 00 56 08.5–4.4 5.28S 129.38E 277–43 3.3b,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.1km s-min=6.1km az=153.6.
IDC Error ellipse: s-maj=63.4km s-min=12.5km az=72.0.
IDC III 21 08 43 26.9–2.0 7.80S 129.01E 0 3.7,3.6L
¶12635166

IDC Error ellipse: s-maj=82.3km s-min=27.6km az=75.0.
ISC III 21 12 43 02.6–.49 7.23S–.05 129.25E–.06 156 4.5b 52 3-151
ISCJB III 21 12 43 00.6–.32 7.24S–.04 129.06E–.05 156 3.8b **¶15153341**
AUST III 21 12 43 01.3–.01 7.29S 129.13E 131–0 3.8b
IDC III 21 12 43 03.4–3.6 7.21S 129.04E 170–35 3.8,3.8
DJA III 21 12 43 04.8–.40 7S–5.0 130E–5.0 151–12 4.8b,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC III 21 17 07 24.2–12 7.50S 128.89E 299–149 2.7b,2.6
¶12635201

IDC Error ellipse: s-maj=109.7km s-min=53.5km az=34.0.
IDC III 21 20 51 57.9–14 6.47S 129.61E 92–151 3.7L,3.3
¶12635215

IDC Error ellipse: s-maj=109.6km s-min=58.5km az=34.0.
ISC III 22 08 05 40.8–.86 6.30S–.06 130.16E–.09 146 3.7b 18 3-68
ISCJB III 22 08 05 39.6–.73 6.27S–.05 130.0E–.10 146 3.7b **¶15153370**
AUST III 22 08 05 41.1 6.48S 130.03E 60 3.7b

IDC III 22 08 05 46.2–4.6 6.39S 130.21E 200–45 3.4,3.3s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=6.8km az=2.8.
IDC Error ellipse: s-maj=65.5km s-min=15.6km az=71.0.
IDC III 22 08 27 20.7–11 5.49S 129.02E 317–134 2.7,2.5b
¶12635274

IDC Error ellipse: s-maj=107.4km s-min=47.9km az=67.0.
ISC III 22 16 54 58.2–1.1 5.73S–.06 129.8E–.10 200 16 3-67
IDC III 22 16 54 40.7–2.6 5.12S 130.17E 0 3.9L,3.9 ¶15153373
AUST III 22 16 54 58.2–.01 5.68S 129.79E 202–0 3.9L,3.9
ISCJB III 22 16 54 59.4–.70 5.75S–.05 130.01E–.08 200 2.8b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC III 22 19 08 07.1–.51 6.89S–.04 129.59E–.07 139 3.8b 39 2-151
ISCJB III 22 19 08 05.7–.34 6.85S–.03 129.50E–.05 139 3.8b ¶15153374
IDC III 22 19 08 07.3–4.8 6.75S 129.78E 142–43 3.9,3.8
AUST III 22 19 08 09.4–.01 6.96S 129.58E 132–0 3.9,3.8
DJA III 22 19 08 11.1–.90 7S–5.0 130E–8.0 221–17 5.2b,4.8b
ISC Event type ke.
ISCJB Event type ke.
ISC III 22 20 17 08.1–.72 6.64S–.06 130.40E–.08 146 3.7b 20 3-83
AUST III 22 20 17 02.7 6.48S 130.03E 60 3.7b ¶15153375
IDC III 22 20 17 03.2–5.9 6.46S 130.32E 95–54 3.8,3.7
ISCJB III 22 20 17 06.6–.62 6.58S–.05 130.35E–.07 146 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC III 23 16 21 29.0–1.7 4.7S–.10 131.3E–.20 50 10 2-67
IDC III 23 16 21 22.9–2.9 4.57S 131.66E 0 3.6,3.5L ¶15153384
AUST III 23 16 21 28.5 4.48S 131.52E 100 3.6,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=132.2km s-min=30.1km az=79.0.
ISC III 24 08 42 12.3–.65 6.19S–.06 130.57E–.06 124 3.8b 24 2-129
AUST III 24 08 41 58.8–18 5.44S 130.30E 0–0 3.8b ¶15153392
ISCJB III 24 08 42 11.8–.52 6.16S–.04 130.52E–.07 124 3.9b
IDC III 24 08 42 12.5–4.1 6.17S 130.52E 122–38 3.8b,3.8
DJA III 24 08 42 13.9–.50 6S–7.0 131E–4.0 122–10 5.1b,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC III 24 10 09 47.2–.00 6.70S–.06 129.7E–.10 100 12 6-68
IDC III 24 10 09 33.6–2.3 6.10S 130.17E 0 4.0b,4.0 ¶15153393
AUST III 24 10 09 49.2 6.98S 130.04E 100 4.0b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=110.2km s-min=26.8km az=77.0.
IDC III 24 13 10 08.6–6.4 7.42S 128.25E 102–61 3.7,3.6
AUST III 24 13 08 29.8–5.4 8.84S 117.99E 132–0 3.7,3.6 ¶12635470
IDC Error ellipse: s-maj=86.7km s-min=24.5km az=58.0.
AUST Error ellipse: s-maj=2.1km s-min=1.2km az=281.0.
IDC III 25 10 07 36.9–1.2 6.93S 129.56E 0 3.8b,3.7
¶12635541

IDC Error ellipse: s-maj=58.8km s-min=21.8km az=66.0.
IDC III 25 14 25 36.8–2.0 7.03S 127.75E 0 3.8,3.7L
¶12635566

IDC Error ellipse: s-maj=102.5km s-min=26.9km az=72.0.
ISC III 25 19 17 13.9–4.5 6.9S–.20 129.7E–.20 146 7 6-68
IDC III 25 19 17 08.8–2.2 6.65S 129.81E 0 3.7,3.5 ¶12635586
AUST III 25 19 17 53.1–.02 9.58S 130.03E 194–0 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=89.3km s-min=28.8km az=77.0.
AUST Error ellipse: s-maj=1.7km s-min=1.2km az=262.0.
IDC III 27 16 06 09.9–2.2 6.62S 129.22E 0 3.5s,3.5
¶12635706

IDC Error ellipse: s-maj=147.4km s-min=31.7km az=68.0.
ISC III 27 20 41 51.1–.84 7.09S–.06 128.84E–.09 156 16 4-71
IDC III 27 20 41 46.6–15 6.81S 129.11E 106–161 4.3L,3.8 ¶15153439
ISCJB III 27 20 41 49.7–.66 7.10S–.04 128.88E–.09 156 3.4b,3.8
AUST III 27 20 41 51.9 6.98S 129.03E 100 3.4b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=122.4km s-min=58.2km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=6.0km az=178.5.
ISC III 27 23 17 28.4–1.0 7.75S–.07 129.5E–.10 100 11 4-69
IDC III 27 23 17 19.9–1.6 7.34S 129.46E 0 4.0L,3.9 ¶15153441
ISCJB III 27 23 17 27.9–.82 7.61S–.06 129.5E–.10 100 3.5b,3.9
AUST III 27 23 17 28.3–.02 7.43S 129.55E 163–0 3.5b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=67.4km s-min=23.9km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=8.4km az=172.3.
AUST Error ellipse: s-maj=1.6km s-min=1.0km az=270.0.
IDC III 28 02 09 08.3–4.4 5.17S 129.86E 214–40 3.6,3.4
DJA III 28 02 09 19.3–.70 3S–6.0 129E–5.0 186–7 3.0,3.0 ¶12635736
IDC III 28 04 18 39.4–3.4 6.31S 128.39E 442–43 3.1,3.0b
¶12635740

IDC Error ellipse: s-maj=91.3km s-min=15.0km az=68.0.
IDC III 28 17 37 31.8–2.4 6.70S 129.75E 0 3.8L,3.7
¶12635787

IDC Error ellipse: s-maj=96.5km s-min=29.1km az=77.0.
IDC III 28 23 41 52.9–2.7 5.52S 131.12E 0 3.4,3.2b
¶12635818

IDC Error ellipse: s-maj=119.2km s-min=29.3km az=78.0.
IDC III 29 02 32 28.8–2.0 6.53S 129.30E 0 3.3,3.2L
¶12635831

IDC Error ellipse: s-maj=111.1km s-min=31.4km az=68.0.
IDC III 29 13 41 46.3–2.2 7.05S 129.46E 0 3.8L,3.7
AUST III 29 13 40 58.6 2.99S 128.51E 60 3.8L,3.7 ¶12635865
IDC Error ellipse: s-maj=77.4km s-min=29.0km az=76.0.
IDC III 29 17 41 08.7–2.8 6.61S 128.92E 0 4.2b,4.1
¶12635877

IDC Error ellipse: s-maj=289.6km s-min=30.0km az=67.0.
ISC III 31 01 55 30.6–.34 5.76S–.04 126.81E–.05 478–3 4.5b 232 2-157
BJI III 31 01 55 25.6 6.16S 126.90E 479 4.6b,4.5b ¶15153484
ISCJB III 31 01 55 29.9–.23 5.67S–.03 126.85E–.03 485–3 4.4b,4.5b
AUST III 31 01 55 29.9–.01 5.79S 126.68E 467–0 4.4b,4.5b
DJA III 31 01 55 30.4–.30 6S–4.0 127E–3.0 474–5 5.3b,5.0
NEIC III 31 01 55 30.3–.57 5.71S 126.82E 478–7 4.6b,5.0
IDC III 31 01 55 30.2–.84 5.71S 126.81E 475–9 3.9,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=139.8.
AUST Error ellipse: s-maj=1.1km s-min=0.7km az=227.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.3km az=53.0.
IDC Error ellipse: s-maj=12.0km s-min=6.4km az=64.0.
IDC III 31 04 19 03.8–2.2 5.90S 129.77E 0 3.8,3.6L
¶12636003

IDC Error ellipse: s-maj=87.7km s-min=28.5km az=76.0.
ISC III 31 10 58 52.9–1.6 7.49S–.10 129.2E–.10 131 14 4-27
ISCJB III 31 10 58 50.9–1.4 7.38S–.07 129.10E–.10 131 3.8b ¶15153486
AUST III 31 10 58 58.8–.01 7.59S 129.58E 141–0 3.8b
IDC III 31 10 58 59.7–7.4 7.82S 129.09E 200–66 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=7.0km az=28.5.
AUST Error ellipse: s-maj=1.5km s-min=1.1km az=338.0.
IDC Error ellipse: s-maj=59.2km s-min=58.0km az=77.0.
ISC IV 01 04 59 04.0–.86 4.73S–.08 129.44E–.06 224–8 19 1-66
ISCJB IV 01 04 59 03.8–.52 4.70S–.07 129.48E–.05 224–6 3.4b ¶12934258
DJA IV 01 04 59 05.2–.40 5S–4.0 129E–3.0 211–5 4.2b,4.1
IDC IV 01 04 59 06.9–3.7 4.99S 129.14E 238–37 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.9km az=27.2.
IDC Error ellipse: s-maj=84.2km s-min=15.1km az=71.0.
IDC IV 02 03 16 01.9–2.0 6.69S 128.86E 0 3.6b,3.4
¶16152254

IDC Error ellipse: s-maj=120.6km s-min=31.3km az=67.0.
IDC IV 02 22 15 59.2–1.5 7.64S 127.83E 0 3.9,3.8L
¶16152287

IDC Error ellipse: s-maj=76.4km s-min=23.4km az=72.0.
ISC IV 03 02 15 19.0–.55 5.31S–.05 131.07E–.07 68 4.2b 51 1-82
AUST IV 03 02 15 12.2–2.3 5.06S 130.88E 1–0 4.2b ¶15153523
IDC IV 03 02 15 12.1–1.3 5.10S 130.92E 0 4.4,4.4L
DJA IV 03 02 15 15.9–2.2 5S–4.0 131E–4.0 14–20 5.5b,4.9
NEIC IV 03 02 15 17.4–.43 5.13S 130.88E 35 4.2b,4.9
ISCJB IV 03 02 15 17.7–.34 5.17S–.03 131.01E–.06 68 4.1b,4.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 03 08 51 26.5–1.1 6.67S–.09 129.4E–.10 146 12 6-68
IDC IV 03 08 51 10.3–2.3 5.75S 130.46E 0 3.7,3.6b ¶15153529
AUST IV 03 08 51 25.0 6.48S 129.53E 100 3.7,3.6b
ISCJB IV 03 08 51 25.5–.96 6.56S–.07 129.5E–.10 146 3.4b,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 04 09 01 37.9–1.4 6.2S–.10 129.2E–.20 10 7 7-98
IDC IV 04 09 01 36.0–2.3 6.14S 129.13E 0 4.4,4.4L ¶16152349
AUST IV 04 09 02 39.6–.01 9.56S 131.57E 149–0 4.4,4.4L
ISC Event type ke.
IDC Error ellipse: s-maj=110.9km s-min=28.1km az=75.0.
AUST Error ellipse: s-maj=1.6km s-min=0.8km az=254.0.
ISC IV 04 09 09 40.0–.46 6.13S–.05 130.29E–.06 124 4.1b 65 2-84
IDC IV 04 09 09 37.2–5.4 6.01S 130.27E 97–57 4.3L,4.0 ¶15153557
ISCJB IV 04 09 09 38.3–.31 6.14S–.03 130.27E–.05 124 4.1b,4.0
AUST IV 04 09 09 38.9–.79 6.16S 130.03E 90–0 4.1b,4.0
NEIC IV 04 09 09 39.2–2.4 6.06S 130.31E 118–26 4.5b,4.0
DJA IV 04 09 09 44.6–.20 6S–3.0 131E–3.0 151–7 5.2b,4.5b
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type se.
ISC IV 04 12 28 07.9–2.0 7.5S–.10 128.5E–.10 151 11 5-68
IDC IV 04 12 27 49.5–2.0 6.65S 128.61E 0 4.4,4.1 ¶15153545
ISCJB IV 04 12 28 07.4–1.6 7.50S–.09 128.5E–.10 151 3.4b,4.1
AUST IV 04 12 28 08.6–.07 7.51S 128.52E 161–2 3.4b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=80.5km s-min=27.3km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=12.7km az=8.6.
AUST Error ellipse: s-maj=3.6km s-min=1.5km az=307.0.
IDC IV 04 13 39 51.0–2.5 6.50S 130.16E 0 3.4b,3.3
¶16152366

IDC Error ellipse: s-maj=158.5km s-min=33.0km az=70.0.
IDC IV 05 11 47 11.2–4.0 4.02S 131.26E 0 3.6,3.5
¶16152412

IDC Error ellipse: s-maj=278.3km s-min=30.8km az=72.0.
IDC IV 05 14 46 45.4–2.2 6.83S 130.21E 0 3.5,3.5L
¶16152418

IDC Error ellipse: s-maj=83.9km s-min=24.9km az=75.0.
ISC IV 06 14 43 04.8–2.9 7.2S–.10 129.3E–.20 35 6 4-68
AUST IV 06 14 42 47.5–.01 6.13S 127.68E 171–0 ¶16152464
IDC IV 06 14 43 03.0–2.2 7.13S 130.24E 0 3.6,3.5L
ISC Event type ke.
AUST Error ellipse: s-maj=1.9km s-min=1.0km az=28.0.
IDC Error ellipse: s-maj=90.9km s-min=28.0km az=78.0.
IDC IV 06 19 38 01.9–2.4 5.20S 130.46E 0 3.7,3.7L
AUST IV 06 19 38 51.0–99 7.97S 130.56E 31–3 3.7,3.7L ¶16152474
IDC Error ellipse: s-maj=115.2km s-min=27.5km az=76.0.
AUST Error ellipse: s-maj=9.8km s-min=1.1km az=277.0.
IDC IV 07 00 30 48.4–9.6 7.16S 129.40E 100–93 4.4L,4.0
¶16152486

IDC Error ellipse: s-maj=105.5km s-min=32.6km az=52.0.
ISC IV 07 13 29 53.1–.47 7.10S–.03 129.43E–.04 120–3 5.1b 802 3-151
BJI IV 07 13 29 43.6 7.20S 129.69E 75 5.2b,5.1b ¶15153597
MOS IV 07 13 29 51.8–1.0 6.91S 129.38E 115 5.3b,5.1b
AUST IV 07 13 29 52.6–.15 7.11S 129.40E 110–0 5.3b,5.1b
ISCJB IV 07 13 29 54.0–.37 7.07S–.02 129.48E–.03 143–3 5.0b,5.1b
NEIC IV 07 13 29 53.7–.84 7.04S 129.36E 126–7 5.0b,5.1b
IDC IV 07 13 29 54.8–1.1 6.96S 129.44E 131–8 4.7,4.7
GCMT IV 07 13 29 55.5–.30 7.11S 129.40E 134–3 5.1W,4.7
DJA IV 07 13 29 55.3–.30 7S–3.0 130E–2.0 71–17 5.7b,5.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IC IU G. Moment Tensor Solution. s17,c22; s74,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}2.90±.18 $M_{\theta\theta}$-5.61±.18; $M_{\phi\phi}$2.71±.20; $M_{r\theta}$0.48±.15; $M_{\theta\phi}$-0.09±.16; $M_{\theta\theta}$2.47±.14; Best double couple: NP1:ϕ_s304.00000°,δ56.00000°,λ146.00000°. NP2:ϕ_s55.00000°,δ62.00000°,λ39.00000°. Principal axes: T 5.2800,Plg46.0000° ,Azm272.0000°; N 0.3600,Plg44.0000°,Azm85.0000°; P -5.6400,Plg4.0000°,Azm178.0000° M_o5.50000×10^{16}
ISC IV 07 14 53 31.2–.72 5.89S–.06 128.94E–.10 264 3.0b 20 2-67
ISCJB IV 07 14 53 29.0–.56 5.88S–.04 128.73E–.07 264 3.0b ¶15153601
AUST IV 07 14 53 32.9–.01 5.92S 129.02E 305–0 3.0b
IDC IV 07 14 53 35.8–3.6 5.95S 129.18E 330–42 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.8km az=171.1.
AUST Error ellipse: s-maj=1.5km s-min=1.3km az=248.0.
IDC Error ellipse: s-maj=30.5km s-min=11.3km az=81.0.
IDC IV 07 22 23 06.0–11 7.07S 128.26E 250–124 3.1,3.1b
¶16152518

IDC Error ellipse: s-maj=88.3km s-min=42.5km az=42.0.
IDC IV 08 02 19 04.8–2.0 7.00S 127.36E 0 4.4s,4.4
¶16152523

IDC Error ellipse: s-maj=91.2km s-min=27.3km az=72.0.
IDC IV 08 10 05 37.7–2.1 4.11S 128.24E 0 4.3,4.2L
AUST IV 08 10 06 57.8–2.4 9.54S 129.37E 184–0 4.3,4.2L ¶16152544
IDC Error ellipse: s-maj=166.1km s-min=28.2km az=67.0.
AUST Error ellipse: s-maj=2.1km s-min=1.3km az=33.0.
IDC IV 08 17 33 01.2–5.3 6.67S 129.63E 268–55 3.0b,2.8
¶16152552

IDC Error ellipse: s-maj=67.4km s-min=22.2km az=70.0.
IDC IV 09 13 47 02.3–1.3 7.35S 123.49E 0 3.8,3.8L
¶16152591

IDC Error ellipse: s-maj=134.1km s-min=22.4km az=64.0.
IDC IV 09 23 28 10.3–9.7 7.21S 125.23E 348–116 3.1b,3.0
¶16152607

IDC Error ellipse: s-maj=148.3km s-min=29.3km az=51.0.
ISC IV 10 11 36 46.9–.95 7.09S–.06 129.63E–.07 139 19 3-68
ISCJB IV 10 11 36 46.5–.71 7.09S–.05 129.66E–.06 139 3.6b ¶15153645
AUST IV 10 11 36 49.7–.03 7.08S 129.89E 162–0 3.6b
IDC IV 10 11 36 52.5–5.7 7.05S 129.26E 230–57 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.9km az=168.4.
AUST Error ellipse: s-maj=1.2km s-min=1.1km az=234.0.
IDC Error ellipse: s-maj=76.6km s-min=22.5km az=63.0.
ISC IV 11 14 07 52.8–.95 6.57S–.05 130.91E–.05 73–13 3.7b 26 2-68
IDC IV 11 14 07 45.6–1.3 6.28S 130.95E 0 4.7L,4.5 ¶12935027
ISCJB IV 11 14 07 51.9–.81 6.48S–.05 131.05E–.06 84–12 3.7b,4.5
DJA IV 11 14 07 55.3–.30 6S–3.0 131E–2.0 131–6 5.4b,4.8
ISC Event type ke.
ISCJB Event type ke.
IDC IV 11 18 33 53.0–2.3 5.88S 130.11E 0 4.2,4.0L
¶16152676

IDC Error ellipse: s-maj=145.0km s-min=30.6km az=70.0.
IDC IV 12 06 03 06.6–2.2 6.98S 129.18E 0 3.9L,3.8
¶16152695

IDC Error ellipse: s-maj=143.4km s-min=32.0km az=67.0.
ISC IV 12 16 39 07.8–.80 7.37S–.06 128.89E–.07 131 14 4-68
IDC IV 12 16 39 04.4–8.6 7.08S 129.27E 74–83 3.9L,3.6 ¶15153671
ISCJB IV 12 16 39 07.4–.70 7.32S–.05 128.96E–.08 131 3.2b,3.6
AUST IV 12 16 39 08.0 7.48S 129.04E 200 3.2b,3.6

ISC Event type ke.
IDC Error ellipse: s-maj=94.7km s-min=34.2km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.4km az=4.5.
IDC IV 12 17 56 36.5–10 7.99S 129.44E 60–77 3.4,3.3b
¶16152723

IDC Error ellipse: s-maj=87.9km s-min=75.4km az=86.0.
IDC IV 12 22 56 59.9–2.1 7.04S 129.06E 0 4.0L,3.9
¶16152734

IDC Error ellipse: s-maj=155.7km s-min=30.5km az=67.0.
AUST IV 13 02 23 21.1 6.50S 126.02E 35
¶16359937

IDC IV 13 10 54 45.9–2.2 5.96S 130.13E 0 3.5b,3.4
¶16152754

IDC Error ellipse: s-maj=92.3km s-min=28.7km az=77.0.

ISC	**IV**	**13 13 36 46.1–.23**	**6.85S–.03**	**125.07E–.03**	**549–2**	**5.3b**	**1132**	**3-164**
BJI	IV	13 13 36 39.2	7.39S	125.39E	538	5.4b,5.3b		¶15153694
AUST	IV	13 13 36 45.8–.13	6.84S	125.02E	544–0	5.4b,5.3b		
MOS	IV	13 13 36 45.8–.83	6.75S	125.15E	556	5.3b,5.3b		
IDC	IV	13 13 36 46.9–.63	6.81S	125.11E	555–6	4.7,4.7		
TEH	IV	13 13 36 46.0	6.84S	125.07E	547	5.4L,4.7		
DJA	IV	13 13 36 46.7–.10	7S–2.0	125E–2.0	552–2	5.8,5.6b		
NEIC	IV	13 13 36 46.3–.40	6.82S	125.09E	554–4	5.2b,5.6b		
ISCJB	IV	13 13 36 46.2–.18	6.86S–.02	125.07E–.02	564–2	5.2b,5.6b		
GCMT	IV	13 13 36 49.2–.30	6.80S	125.17E	555–2	5.6W,5.6b		

ISC Event type se.
AUST Error ellipse: s-maj=0.6km s-min=0.6km az=40.0.
MOS Error ellipse: s-maj=10.7km s-min=5.6km az=118.4.
IDC Error ellipse: s-maj=8.8km s-min=5.0km az=65.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.6km az=144.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c107; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.11±.05 $M_{\theta\theta}$-1.28±.07; $M_{\phi\phi}$2.39±.07; $M_{r\theta}$-1.35±.08; $M_{\theta\phi}$-0.31±.07; $M_{\phi r}$-1.58±.09; Best double couple: NP1:ϕ_s138.00000°,δ40.00000°,λ-158.00000°. NP2:ϕ_s31.00000°,δ76.00000°,λ-53.00000°. Principal axes: T 3.0100,Plg22.0000°,Azm93.0000°; N -0.1200,Plg36.0000°,Azm200.0000°; P -2.8900,Plg46.0000°,Azm339.0000° $M_0$3.00000×10^{17}

ISC	**IV**	**13 17 15 11.7–2.0**	**8.0S–.10**	**129.7E–.20**	**35**		**6**	**4-69**
IDC	IV	13 17 14 52.2–2.4	6.72S	129.59E	0	3.7,3.6L		¶16359938
ISCJB	IV	13 17 15 09.5–1.8	7.99S–.09	129.6E–.20	33	3.2b,3.6L		
AUST	IV	13 17 15 12.9–.01	8.92S	131.22E	154–0	3.2b,3.6L		

ISC Event type ke.
IDC Error ellipse: s-maj=90.2km s-min=29.9km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=26.4km s-min=11.9km az=11.2.
AUST Error ellipse: s-maj=2.1km s-min=1.0km az=260.0.
IDC IV 13 22 42 01.2–1.9 6.62S 129.47E 0 3.7,3.7L
¶16152779

IDC Error ellipse: s-maj=144.3km s-min=29.9km az=69.0.
IDC IV 14 09 34 38.2–4.5 7.00S 124.92E 528–60 3.6,3.6
¶16152785

IDC Error ellipse: s-maj=51.2km s-min=25.2km az=58.0.

ISC	**IV**	**14 12 18 54.7–.90**	**6.20S–.06**	**130.19E–.08**	**146**		**17**	**2-15**
ISCJB	IV	14 12 18 54.1–.75	6.20S–.05	130.12E–.09	146			¶15153716
AUST	IV	14 12 18 54.3–.00	6.17S	129.96E	116–0			
DJA	IV	14 12 18 57.6–.60	6S–4.0	131E–4.0	191–9	4.7b,4.4b		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IV**	**14 20 11 24.1–.36**	**6.45S–.04**	**128.24E–.05**	**333–3**	**4.3b**	**193**	**3-152**
BJI	IV	14 20 11 21.5	6.53S	128.53E	347	4.4b,4.4b		¶15153709
ISCJB	IV	14 20 11 22.9–.28	6.36S–.02	128.25E–.03	336–3	4.2b,4.4b		
AUST	IV	14 20 11 22.0–.18	6.38S	128.11E	311–0	4.2b,4.4b		
NEIC	IV	14 20 11 23.3–.25	6.36S	128.16E	326	4.5b,4.4b		
IDC	IV	14 20 11 24.1–1.3	6.42S	128.16E	334–13	4.1,4.1		
DJA	IV	14 20 11 24.7–.20	6S–4.0	128E–3.0	317–7	6.1,5.3b		

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

ISC	**IV**	**16 12 35 04.1–.76**	**7.65S–.06**	**129.22E–.09**	**131**	**3.5b**	**16**	**4-72**
IDC	IV	16 12 34 51.9–1.6	7.11S	129.24E	0	4.0L,3.9		¶15153753
AUST	IV	16 12 35 03.8	7.48S	129.04E	100	4.0L,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=77.9km s-min=23.7km az=75.0.
IDC IV 16 16 14 13.4–2.2 5.81S 130.33E 0 3.2,3.2
¶16152849

IDC Error ellipse: s-maj=82.3km s-min=29.3km az=77.0.
IDC IV 16 18 15 10.3–18 7.12S 128.93E 115–194 2.9,2.8
¶16152853

IDC Error ellipse: s-maj=159.9km s-min=61.9km az=39.0.

ISC	**IV**	**17 04 09 59.5–.25**	**7.49S–.03**	**128.33E–.03**	**143–1**	**5.5b**	**1584**	**3-162**
BJI	IV	17 04 09 49.7	8.28S	128.80E	130	5.6b,5.3b		¶16359966
MOS	IV	17 04 09 56.5–.90	7.33S	128.21E	119	5.7b,5.3b		
AUST	IV	17 04 09 56.8–.22	7.47S	128.29E	106–0	5.7b,5.3b		
NEIC	IV	17 04 09 60.0–.56	7.43S	128.24E	144–4	5.5b,5.3b		
BGS	IV	17 04 10 00.4–1.7	7.43S	128.24E	150	5.5b,5.3b		
ISCJB	IV	17 04 10 00.4–.32	7.51S–.02	128.33E–.02	163–3	5.4b,5.3b		
IDC	IV	17 04 10 00.7–.75	7.43S	128.27E	147–6	5.2b,5.2		
GCMT	IV	17 04 10 01.8–.20	7.64S	128.29E	153–1	5.4W,5.2		
DJA	IV	17 04 10 01.5–.20	8S–2.0	128E–2.0	145–4	5.8b,5.8		
TEH	IV	17 04 10 02.3	7.51N	128.25E	166	5.5L,5.8		

ISC Event type se.
MOS Error ellipse: s-maj=8.8km s-min=5.1km az=114.0.
AUST Error ellipse: s-maj=0.7km s-min=0.5km az=34.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=55.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.0km az=38.1.
IDC Error ellipse: s-maj=8.8km s-min=6.5km az=60.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=200, per= 50. Moment Tensor Solution. s65,c90; s1,c1; Moment tensor: Scale 10^{17}Nm; M_{rr}1.32±.02 $M_{\theta\theta}$-0.65±.03; $M_{\phi\phi}$-0.67±.03; $M_{r\theta}$-0.54±.02; $M_{\theta\phi}$0.70±.02; $M_{\phi r}$-0.08±.03; Best double couple: NP1:ϕ_s151.00000°,δ40.00000°,λ116.00000°. NP2:ϕ_s299.00000°,δ54.00000°,λ70.00000°. Principal axes: T 1.4900,Plg72.0000°,Azm156.0000°; N -0.0900,Plg16.0000°,Azm311.0000°; P -1.4000,Plg7.0000°,Azm43.0000° $M_0$1.50000×10^{17}

ISC	**IV**	**17 12 46 26.1–.72**	**6.02S–.07**	**129.0E–.10**	**264**	**3.5b**	**23**	**4-71**
AUST	IV	17 12 46 24.3	5.99S	129.03E	200	3.5b		¶15153770
ISCJB	IV	17 12 46 25.5–.51	5.95S–.05	129.12E–.08	264	3.4b		
IDC	IV	17 12 46 33.4–3.9	6.17S	128.82E	342–43	3.3,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=5.5km az=155.1.
IDC Error ellipse: s-maj=46.0km s-min=11.3km az=69.0.

ISC	**IV**	**17 14 17 45.6–1.2**	**6.75S–.09**	**130.31E–.10**	**100**		**9**	**2-68**
IDC	IV	17 14 17 34.9–1.6	6.72S	130.15E	0	4.2,4.1L		¶12935440
ISCJB	IV	17 14 17 41.7–.73	6.97S–.05	130.27E–.08	100	3.7b,4.1L		
DJA	IV	17 14 17 45.2–.70	7S–5.0	130E–5.0	104–17	4.7b,4.3b		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IV**	**18 08 15 42.5–1.1**	**6.18S–.06**	**130.3E–.10**	**124**		**12**	**3-68**
IDC	IV	18 08 15 36.3–2.2	5.85S	130.40E	0	4.1,4.0L		¶15153792
AUST	IV	18 08 15 44.2	5.98S	130.53E	200	4.1,4.0L		

ISC Event type ke.
IDC Error ellipse: s-maj=91.6km s-min=27.6km az=77.0.

ISC	**IV**	**18 17 47 04.1–1.2**	**5.52S–.09**	**129.1E–.10**	**300**		**11**	**4-66**
IDC	IV	18 17 46 54.5–17	4.93S	129.12E	250–197	3.0,2.8		¶15153796
ISCJB	IV	18 17 47 03.9–1.1	5.44S–.09	129.11E–.09	300	2.9b,2.8		
AUST	IV	18 17 47 05.2–.02	5.68S	129.04E	294–0	2.9b,2.8		

ISC Event type ke.
IDC Error ellipse: s-maj=115.9km s-min=48.4km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=11.4km az=137.1.
AUST Error ellipse: s-maj=2.8km s-min=1.3km az=227.0.
IDC IV 18 23 44 30.3–1.9 6.54S 129.05E 0 3.9b,3.8
¶16153010

IDC Error ellipse: s-maj=117.3km s-min=30.2km az=67.0.
IDC IV 19 02 16 05.5–7.1 7.54S 129.19E 0 3.8b,3.6
¶16153017

IDC Error ellipse: s-maj=114.9km s-min=84.7km az=95.0.
IDC IV 19 07 32 52.9–2.5 6.11S 130.39E 0 3.8,3.8b
¶16153036

IDC Error ellipse: s-maj=106.8km s-min=28.9km az=77.0.

ISC	**IV**	**19 12 48 53.6–1.2**	**5.55S–.07**	**124.35E–.08**	**35**		**14**	**2-68**
DJA	IV	19 12 48 44.2–1.8	6S–8.0	125E–18	154–29	4.6b,4.4b		¶12935667
IDC	IV	19 12 48 54.2–1.3	5.74S	124.05E	0	4.0,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=20.9km az=54.0.

ISC	**IV**	**19 14 06 05.6–1.5**	**7.08S–.08**	**129.2E–.20**	**156**		**9**	**6-71**
IDC	IV	19 14 05 55.1–1.7	6.69S	129.58E	0	3.9b,3.8		¶16359975
AUST	IV	19 14 06 42.6–82	9.87S	129.83E	22–0	3.9b,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=78.9km s-min=24.9km az=78.0.
AUST Error ellipse: s-maj=1.8km s-min=0.9km az=250.0.

ISC	**IV**	**19 17 01 03.1–.72**	**7.18S–.08**	**125.42E–.09**	**511**	**3.6b**	**23**	**6-124**
ISCJB	IV	19 17 01 03.0–.64	7.17S–.06	125.36E–.08	511	3.5b		¶15153823
IDC	IV	19 17 01 03.6–2.7	7.03S	125.57E	537–32	3.1,3.0		
AUST	IV	19 17 01 04.1–.01	7.01S	125.59E	565–0	3.1,3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=7.9km az=168.9.
IDC Error ellipse: s-maj=87.7km s-min=15.4km az=57.0.
AUST Error ellipse: s-maj=1.5km s-min=1.2km az=5.0.

ISC	**IV**	**19 18 01 05.0–.90**	**6.18S–.07**	**127.9E–.10**	**400**	**3.5b**	**16**	**5-71**
AUST	IV	19 18 01 05.2–.04	6.16S	127.86E	406–1	3.5b		¶15153824
IDC	IV	19 18 01 06.8–3.0	6.36S	127.47E	420–34	3.0b,2.9		

ISC Event type ke.
AUST Error ellipse: s-maj=4.3km s-min=1.8km az=267.0.
IDC Error ellipse: s-maj=68.0km s-min=11.9km az=69.0.

ISC	**IV**	**19 23 53 30.3–1.6**	**7.0S–.10**	**129.8E–.20**	**139**		**8**	**6-68**
AUST	IV	19 23 52 37.5–5.6	2.60S	129.91E	41–0			¶16153102
IDC	IV	19 23 53 16.7–2.2	6.37S	129.82E	0	3.8b,3.7		

ISC Event type ke.
AUST Error ellipse: s-maj=1.6km s-min=1.2km az=264.0.
IDC Error ellipse: s-maj=96.8km s-min=27.3km az=77.0.
IDC IV 20 04 15 34.6–2.2 6.02S 129.75E 0 3.9,3.9L
¶16153114

IDC Error ellipse: s-maj=92.5km s-min=28.1km az=76.0.
IDC IV 20 11 59 14.0–2.2 6.76S 129.80E 0 3.9,3.9L
¶16153137

IDC Error ellipse: s-maj=86.5km s-min=28.5km az=77.0.

ISC	**IV**	**20 12 21 25.5–.24**	**4.20S–.03**	**129.75E–.03**	**48–1**	**5.3b,5.2s**	**721**	**0-167**
BJI	IV	20 12 21 15.3	5.09S	130.11E	45	5.6b,5.2s		¶15153832
IDC	IV	20 12 21 18.4–.34	4.17S	129.72E	0	5.1s,5.1		
AUST	IV	20 12 21 21.2–1.1	4.34S	129.56E	1–0	5.1s,5.1		
NEIC	IV	20 12 21 21.5–1.9	4.17S	129.73E	20–11	5.6W,5.4b		
MOS	IV	20 12 21 22.6–.99	4.09S	129.71E	33	5.6b,5.0s		
GCMT	IV	20 12 21 24.5–.10	4.12S	129.74E	12	5.6W,5.0s		
ISCJB	IV	20 12 21 24.0–.36	4.14S–.02	129.78E–.02	50–3	5.3b,5.2s		
DJA	IV	20 12 21 24.4–.50	4S–2.0	130E–1.0	12–4	6.0b,5.7		
TEH	IV	20 12 21 26.0	4.14S	129.76E	49	5.5L,5.7		

ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=8.4km az=76.0.
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=38.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.8km az=55.0.
MOS Error ellipse: s-maj=10.0km s-min=5.5km az=113.4.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=218, per= 50. Moment Tensor Solution. s97,c169; s52,c56; Moment tensor: Scale 10^{17}Nm; M_{rr}2.60±.03 $M_{\theta\theta}$-1.54±.03; $M_{\phi\phi}$-1.07±.03; $M_{r\theta}$0.53±.08; $M_{\theta\phi}$1.45±.02; $M_{\phi r}$-0.17±.09; Best double couple: NP1:ϕ_s315.00000°,δ40.00000°,λ97.00000°. NP2:ϕ_s126.00000°,δ51.00000°,λ84.00000°. Principal axes: T 2.6700,Plg83.0000°,Azm358.0000°; N 0.1500,Plg5.0000°,Azm130.0000°; P -2.8200,Plg5.0000°,Azm220.0000° $M_0$2.70000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=3.1km az=33.0.

ISC	**IV**	**20 12 51 21.4–.82**	**4.21S–.07**	**129.66E–.07**	**36**	**3.9b**	**14**	**0-70**
IDC	IV	20 12 51 17.0–1.1	4.29S	129.59E	0	3.9,3.9b		¶12935731
DJA	IV	20 12 51 19.8–.40	4S–10	130E–4.0	23–11	3.4,3.4		
ISCJB	IV	20 12 51 19.6–.54	4.24S–.06	129.69E–.07	36	3.8b,3.4		

ISC Event type ke.
ISCJB Event type ke.
IDC IV 20 13 00 57.0–2.2 4.51S 130.48E 0 3.6,3.4
¶16153139

IDC Error ellipse: s-maj=102.4km s-min=27.2km az=75.0.
IDC IV 20 13 54 55.8–11 5.55S 130.56E 0 3.9b,3.6
¶16153146

IDC Error ellipse: s-maj=166.7km s-min=80.6km az=155.0.

ISC	**IV**	**20 14 36 13.9–.68**	**4.23S–.07**	**129.62E–.05**	**36**	**3.8b**	**29**	**0-69**
IDC	IV	20 14 36 08.9–.99	4.16S	129.77E	0	4.0,3.8		¶15153848
ISCJB	IV	20 14 36 11.8–.41	4.24S–.05	129.66E–.05	36	3.7b,3.8		
DJA	IV	20 14 36 11.0–.50	4S–3.0	130E–3.0	7–4	5.2b,4.5		
AUST	IV	20 14 36 14.9–.02	4.31S	129.51E	53–0	5.2b,4.5		

ISC Event type ke.
IDC Error ellipse: s-maj=43.0km s-min=19.1km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.9km az=42.9.
AUST Error ellipse: s-maj=1.2km s-min=1.1km az=234.0.

ISC	**IV**	**20 14 55 13.3–.53**	**4.09S–.06**	**129.65E–.06**	**36**	**4.0b**	**49**	**1-128**
IDC	IV	20 14 55 07.8–.68	4.08S	129.69E	0	4.1,4.0		¶15153847
ISCJB	IV	20 14 55 11.5–.30	4.08S–.04	129.66E–.04	36	3.9b,4.0		
DJA	IV	20 14 55 11.4–.50	4S–2.0	130E–2.0	10	5.1b,4.4b		
AUST	IV	20 14 55 12.5	3.99S	129.51E	35	5.1b,4.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=14.9km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.3km az=136.7.

ISC	**IV**	**20 15 10 38.8–1.1**	**4.20S–.08**	**129.59E–.06**	**35**		**14**	**0-66**
IDC	IV	20 15 10 33.4–2.7	3.86S	130.32E	0	3.3,3.2		¶12935830
ISCJB	IV	20 15 10 37.5–.60	4.15S–.06	129.64E–.05	33	3.1b,3.2		
DJA	IV	20 15 10 37.8–.60	4S–4.0	130E–2.0	10–6	4.2b,3.7		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IV**	**20 15 28 34.6–.59**	**4.10S–.05**	**129.65E–.05**	**25–4**	**4.3b,3.5s**	**103**	**0-153**
AUST	IV	20 15 28 31.6–2.4	4.12S	129.63E	0–0	4.3b,3.5s		¶15153849
DJA	IV	20 15 28 33.8–.50	4S–3.0	130E–2.0	10	5.3b,4.7		
ISCJB	IV	20 15 28 34.1–.48	4.10S–.03	129.66E–.04	33–5	4.2b,3.4s		
NEIC	IV	20 15 28 34.8–.27	4.08S	129.81E	26	4.5b,3.4s		
IDC	IV	20 15 28 34.3–.63	4.13S	129.75E	24–3	4.1,4.0L		
BJI	IV	20 15 28 39.5	4.00S	129.40E	44	5.1b,4.5b		

ISC Event type se.
AUST Error ellipse: s-maj=0.9km s-min=0.8km az=225.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.3km az=142.6.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.0km az=65.0.
IDC Error ellipse: s-maj=30.1km s-min=9.7km az=74.0.

ISC	**IV**	**20 16 02 04.9–.78**	**4.14S–.07**	**129.57E–.06**	**36**	**3.8b**	**20**	**1-70**
IDC	IV	20 16 01 59.9–1.0	4.12S	129.75E	0	3.9,3.8		¶15153838
AUST	IV	20 16 02 01.8–.00	3.94S	129.34E	146–0	3.9,3.8		
ISCJB	IV	20 16 02 03.3–.49	4.17S–.05	129.59E–.06	36	3.7b,3.8		
DJA	IV	20 16 02 03.0–.80	4S–10	130E–4.0	12–13	3.9,3.9		

ISC Event type ke.
ISCJB Event type ke.
IDC IV 20 16 27 25.9–6.9 4.59S 129.41E 0 3.4L,3.1b
¶16153155

IDC Error ellipse: s-maj=686.5km s-min=31.3km az=69.0.
IDC IV 20 16 35 44.3–1.4 4.18S 129.38E 0 3.8,3.7
¶15153839

IDC Error ellipse: s-maj=65.2km s-min=21.8km az=59.0.

ISC	**IV**	**20 16 36 30.6–.41**	**4.14S–.04**	**129.62E–.05**	**36**	**4.4b,3.3s**	**86**	**0-153**
IDC	IV	20 16 36 25.7–.64	4.09S	129.76E	0	4.3,4.2		¶16153158
BJI	IV	20 16 36 27.8	4.20S	129.70E	33	4.8b,4.5b		
AUST	IV	20 16 36 28.4	3.99S	129.51E	15	4.8b,4.5b		
DJA	IV	20 16 36 28.2–.60	4S–3.0	130E–2.0	10	5.1b,5.0b		
ISCJB	IV	20 16 36 28.9–.25	4.12S–.03	129.66E–.03	36	4.3b,3.3s		
NEIC	IV	20 16 36 30.8–1.5	4.13S	129.78E	37–15	4.5b,3.3s		

ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=13.9km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.4km az=149.2.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=6.5km az=45.0.
IDC IV 20 17 06 40.5–2.4 4.12S 129.71E 0 3.4L,3.2
¶16153162

IDC Error ellipse: s-maj=164.9km s-min=28.5km az=69.0.
ISC IV 20 17 59 12.5–.35 4.16S–.05 129.78E–.06 35 4.6b,3.5s 126 0-153
IDC IV 20 17 59 07.8–.46 4.20S 129.65E 0 4.5,4.5 **¶15153854**
AUST IV 20 17 59 07.7–3.3 4.13S 129.83E 0–0 4.5,4.5
BJI IV 20 17 59 08.8 3.90S 129.90E 10 5.0b,4.7s
ISCJB IV 20 17 59 10.6–.24 4.19S–.03 129.74E–.04 33 4.5b,3.7s
DJA IV 20 17 59 11.6–.30 4S–3.0 130E–3.0 10 5.2b,4.7
NEIC IV 20 17 59 13.0–1.4 4.16S 129.74E 38–14 4.8b,4.7
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=9.5km az=72.0.
AUST Error ellipse: s-maj=1.1km s-min=0.7km az=234.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.1km az=149.8.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.9km az=224.0.
IDC IV 20 18 24 54.1–1.7 4.00S 130.00E 0 3.9s,3.9
¶16153165

IDC Error ellipse: s-maj=78.3km s-min=23.0km az=72.0.
ISC IV 20 18 28 36.4–.65 7.46S–.07 124.87E–.09 371 3.6b 27 5-70
ISCJB IV 20 18 28 35.3–.38 7.49S–.05 124.78E–.06 371 3.6b **¶15153835**
IDC IV 20 18 28 37.5–3.6 7.41S 124.99E 384–41 3.4,3.3
AUST IV 20 18 28 39.0–.01 7.93S 124.74E 363–0 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.1km az=148.2.
IDC Error ellipse: s-maj=87.1km s-min=11.9km az=59.0.
AUST Error ellipse: s-maj=1.4km s-min=1.0km az=359.0.
ISC IV 20 18 43 19.9–.52 4.09S–.06 129.60E–.07 10 4.3b 43 1-153
ISCJB IV 20 18 43 18.5–.33 4.10S–.05 129.59E–.06 10 4.2b **¶15153834**
AUST IV 20 18 43 18.4–3.0 4.06S 129.64E 0–0 4.2b
IDC IV 20 18 43 18.7–.62 3.99S 129.78E 0 4.3,4.2
DJA IV 20 18 43 21.3–.80 4S–7.0 130E–4.0 5–9 4.2,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC IV 20 19 39 24.5–2.4 4.26S 129.36E 0 5.5L,3.7
¶16153168

IDC Error ellipse: s-maj=172.6km s-min=28.6km az=69.0.
ISC IV 20 19 49 12.7–.33 4.21S–.05 129.79E–.05 35 4.6b 140 0-153
BJI IV 20 19 49 04.3 4.92S 129.78E 20 5.2b,4.8s **¶15153855**
AUST IV 20 19 49 06.3–1.7 4.11S 129.40E 0–0 5.2b,4.8s
IDC IV 20 19 49 07.6–.48 4.29S 129.66E 0 5.1L,4.7
NEIC IV 20 19 49 11.1–2.1 4.19S 129.72E 22–15 4.8b,4.7
ISCJB IV 20 19 49 11.1–.22 4.16S–.03 129.80E–.04 33 4.6b,4.7
DJA IV 20 19 49 12.4–.60 4S–3.0 130E–2.0 10 6.0,5.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 20 21 44 00.0–.60 4.32S–.06 129.7E–.10 35 4.1b 42 0-128
AUST IV 20 21 43 39.6–.02 2.20S 129.30E 159–0 4.1b **¶15153833**
IDC IV 20 21 43 55.8–.78 3.99S 129.85E 0 4.3L,4.1
DJA IV 20 21 43 58.3–.80 4S–7.0 129E–8.0 10 4.7b,4.3
ISCJB IV 20 21 43 58.5–.38 4.21S–.04 129.59E–.08 33 4.0b,4.3
NEIC IV 20 21 44 00.3–.36 4.18S 129.74E 35 4.1b,4.3
ISC Event type se.
AUST Error ellipse: s-maj=1.5km s-min=1.1km az=253.0.
IDC Error ellipse: s-maj=47.2km s-min=16.5km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=5.1km az=159.7.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=5.9km az=71.0.
ISC IV 20 21 55 28.0–.66 4.18S–.06 129.68E–.07 36 4.0b 40 0-70
IDC IV 20 21 55 22.8–.99 3.91S 130.00E 0 4.3L,4.1 **¶12935797**
DJA IV 20 21 55 26.2–.80 4S–7.0 130E–4.0 7–10 5.9b,5.5
ISCJB IV 20 21 55 26.2–.41 4.23S–.04 129.65E–.06 36 4.0b,5.5
NEIC IV 20 21 55 27.7–.58 4.17S 129.73E 35 4.1b,5.5
AUST IV 20 21 56 00.3–1.5 6.48S 129.92E 219–0 4.1b,5.5
ISC Event type se.
IDC Error ellipse: s-maj=69.9km s-min=17.7km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.5km az=160.7.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=9.1km az=68.0.
AUST Error ellipse: s-maj=2.3km s-min=0.9km az=34.0.
IDC IV 20 22 12 44.5–2.6 4.33S 129.35E 0 3.6,3.5
¶16153173

IDC Error ellipse: s-maj=198.1km s-min=29.2km az=69.0.
ISC IV 20 23 31 55.5–.32 4.17S–.04 129.77E–.05 35 4.9b,3.8s 159 0-153
BJI IV 20 23 31 47.4 4.70S 129.95E 20 5.2s,5.2b **¶12612258**
IDC IV 20 23 31 50.5–.49 4.16S 129.63E 0 4.7,4.7
NEIC IV 20 23 31 52.0–3.6 4.12S 129.74E 10–22 4.9b,4.7
ISCJB IV 20 23 31 53.3–.25 4.17S–.03 129.86E–.04 33 4.8b,3.8s
MOS IV 20 23 31 53.6–.84 4.14S 129.71E 33 5.1b,3.8s
DJA IV 20 23 31 54.5–.70 4S–3.0 130E–2.0 10 5.4b,4.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 20 23 34 48.1–.57 4.2S–.10 129.7E–.20 36 4.4b 46 16-149
IDC IV 20 23 34 43.2–.76 4.14S 129.71E 0 4.5,4.4L **¶12935791**
ISCJB IV 20 23 34 46.1–.44 4.23S–.08 129.6E–.10 36 4.3b,4.4L
NEIC IV 20 23 34 48.1–.37 4.20S 129.65E 35 4.5b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=17.0km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=8.7km az=152.7.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=7.5km az=64.0.
IDC IV 21 00 20 07.0–1.9 4.24S 129.31E 0 3.6,3.4
¶16153177

IDC Error ellipse: s-maj=87.4km s-min=29.9km az=68.0.
IDC IV 21 01 04 38.0–1.5 4.15S 130.08E 0 3.8,3.6
¶16153178

IDC Error ellipse: s-maj=80.2km s-min=14.0km az=75.0.
ISC IV 21 01 18 30.1–.51 4.33S–.05 129.63E–.06 35 4.3b 70 0-153
IDC IV 21 01 18 25.4–.66 4.13S 129.68E 0 4.5,4.4 **¶15153877**
ISCJB IV 21 01 18 28.2–.32 4.24S–.04 129.69E–.04 33 4.3b,4.4
DJA IV 21 01 18 28.5–.60 4S–4.0 130E–3.0 10 5.7b,5.2
AUST IV 21 01 18 30.9–.53 4.31S 129.59E 52–0 5.7b,5.2
NEIC IV 21 01 18 30.4–.34 4.23S 129.69E 35 4.6b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=14.2km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.4km az=142.9.
AUST Error ellipse: s-maj=1.5km s-min=0.8km az=42.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.0km az=56.0.
IDC IV 21 01 28 14.6–4.0 6.42S 128.25E 399–45 2.8,2.6
¶16153181

IDC Error ellipse: s-maj=74.4km s-min=16.2km az=68.0.
ISC IV 21 01 41 19.3–.97 4.24S–.04 129.65E–.04 26–6 4.4b,4.0s 115 0-153
IDC IV 21 01 41 14.7–.54 4.28S 129.69E 0 4.4,4.3 **¶15153864**
AUST IV 21 01 41 15.6–2.8 4.11S 129.59E 1–0 4.4,4.3
NEIC IV 21 01 41 18.8–2.7 4.25S 129.76E 27–20 4.6b,4.3
DJA IV 21 01 41 18.0–.40 4S–3.0 130E–2.0 9–4 5.9b,5.5
ISCJB IV 21 01 41 18.2–.45 4.29S–.03 129.65E–.03 34–5 4.5b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IV 21 01 56 40.5–.80 4.26S–.07 129.57E–.07 35 3.9b 21 0-69
IDC IV 21 01 56 35.4–1.0 4.26S 129.41E 0 4.0,4.0b **¶15153869**
DJA IV 21 01 56 37.4–.70 4S–7.0 130E–4.0 10–9 3.5,3.5
ISCJB IV 21 01 56 38.4–.50 4.28S–.05 129.61E–.07 33 3.9b,3.5
AUST IV 21 01 56 41.6 4.49S 129.52E 35 3.9b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=52.9km s-min=18.6km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.4km az=152.8.
ISC IV 21 01 58 12.0–.36 4.30S–.04 129.66E–.05 35 4.6b,3.7s 100 0-153
IDC IV 21 01 58 07.1–.59 4.21S 129.69E 0 4.4,4.3 **¶15153878**
NEIC IV 21 01 58 08.7–4.0 4.22S 129.73E 10–26 4.7b,4.3
ISCJB IV 21 01 58 10.4–.26 4.28S–.04 129.66E–.04 33 4.5b,3.8s
DJA IV 21 01 58 11.4–.50 4S–7.0 130E–4.0 12–7 5.9b,5.6b
AUST IV 21 01 58 12.7 3.99S 129.51E 60 5.9b,5.6b
BJI IV 21 01 58 17.4 4.01S 129.60E 67 5.0b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=13.3km az=68.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.1km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.8km az=143.1.
ISC IV 21 02 43 16.4–.50 4.31S–.06 129.67E–.05 35 4.1b 61 0-128
IDC IV 21 02 43 11.2–.70 4.37S 129.53E 0 4.2,4.1 **¶15153887**
DJA IV 21 02 43 14.9–.60 4S–7.0 130E–4.0 12–8 5.6b,5.2b
ISCJB IV 21 02 43 14.3–.33 4.35S–.04 129.65E–.05 33 4.0b,5.2b
AUST IV 21 02 43 16.4–.02 4.23S 129.56E 36–0 4.0b,5.2b
NEIC IV 21 02 43 16.5–.39 4.33S 129.69E 35 4.7b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=15.1km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.3km az=142.7.
AUST Error ellipse: s-maj=1.2km s-min=1.0km az=230.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.0km az=55.0.
IDC IV 21 04 20 51.8–2.2 4.11S 129.75E 0 3.6,3.4
¶16153186

IDC Error ellipse: s-maj=112.7km s-min=26.7km az=74.0.
ISC IV 21 05 33 23.0–.27 4.28S–.03 129.69E–.04 36–1 5.4s,5.3b 664 0-167
BJI IV 21 05 33 17.4 4.66S 129.79E 31 5.8b,5.6s **¶15153896**
IDC IV 21 05 33 17.5–.37 4.20S 129.62E 0 5.2,5.2
AUST IV 21 05 33 18.9–.22 4.31S 129.61E 1–0 5.2,5.2
ISCJB IV 21 05 33 20.2–.66 4.22S–.03 129.77E–.02 30–4 5.3b,5.3s
DJA IV 21 05 33 21.3–.60 4S–2.0 130E–2.0 10 6.0b,5.8
MOS IV 21 05 33 21.7–1.1 4.12S 129.65E 33 5.6b,5.1s
NEIC IV 21 05 33 22.0–1.8 4.23S 129.66E 30–12 5.7W,5.4b
TEH IV 21 05 33 23.0 4.33S 129.63E 35 5.4L,5.4b
GCMT IV 21 05 33 24.4–.20 4.20S 129.76E 12 5.6W,5.4b
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=9.8km az=56.0.
AUST Error ellipse: s-maj=0.9km s-min=0.5km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=34.9.
MOS Error ellipse: s-maj=12.8km s-min=6.7km az=123.9.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=46.0.
GCMT Event type se. Data Used: ll lU CN G IC. Surface waves: sta= 85, comp=143, per= 50. Moment Tensor Solution. s44,c61; s20,c22; Moment tensor: Scale 10^{17}Nm; M_{rr}1.97±.06 $M_{\theta\theta}$-0.38±.05; $M_{\phi\phi}$-1.59±.06; $M_{r\theta}$-0.36±.20; $M_{\theta\phi}$2.24±.05; $M_{\theta r}$-0.56±.19; Best double couple: NP1:ϕ_s295.00000°,δ51.00000°,λ48.00000°. NP2:ϕ_s169.00000°,δ55.00000°,λ129.00000°. Principal axes: T 2.3600,Plg59.0000°,Azm139.0000°; N 0.9600,Plg31.0000°,Azm324.0000°; P -3.3200,Plg2.0000°,Azm233.0000° $M_0$2.80000×10^{17}
IDC IV 21 05 45 19.1–1.9 4.04S 129.95E 0 3.9,3.7
¶16153190

IDC Error ellipse: s-maj=85.2km s-min=24.0km az=71.0.
IDC IV 21 06 05 44.9–2.1 4.20S 129.38E 0 3.6,3.4
¶16153192

IDC Error ellipse: s-maj=108.8km s-min=26.8km az=73.0.
IDC IV 21 06 12 55.4–1.2 4.34S 129.22E 0 3.8,3.8
¶16153193

IDC Error ellipse: s-maj=101.0km s-min=18.7km az=72.0.
IDC IV 21 10 37 42.6–2.2 4.06S 130.09E 0 3.4,3.3b
¶16153206

IDC Error ellipse: s-maj=167.0km s-min=26.5km az=71.0.
ISC IV 21 14 15 50.0–.52 6.47S–.05 130.70E–.08 90 4.0b 37 2-151
IDC IV 21 14 15 39.8–.91 6.43S 130.56E 0 4.5L,4.4 **¶15153871**
ISCJB IV 21 14 15 48.6–.35 6.51S–.04 130.54E–.06 90 4.0b,4.4
AUST IV 21 14 15 49.5 6.48S 130.54E 100 4.0b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=15.3km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.9km az=166.9.
IDC IV 22 04 09 06.8–2.2 4.11S 129.93E 0 3.7,3.5
¶16153253

IDC Error ellipse: s-maj=114.7km s-min=24.8km az=74.0.
ISC IV 22 04 31 14.1–.82 4.37S–.07 129.73E–.05 35 3.6b 15 0-128
IDC IV 22 04 31 11.8–1.3 4.34S 129.03E 0 3.8,3.8b **¶12935978**
DJA IV 22 04 31 11.9–.50 4S–6.0 130E–2.0 14–6 3.8,3.8
ISCJB IV 22 04 31 12.5–.57 4.35S–.06 129.74E–.05 33 3.7b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IV 22 05 10 11.0–1.9 4.18S–.04 129.76E–.03 5–12 4.0b 53 0-153
IDC IV 22 05 10 10.4–.88 4.16S 129.98E 0 4.2,4.1L **¶15153904**
AUST IV 22 05 10 11.4–.66 4.08S 129.54E 0–0 4.2,4.1L
DJA IV 22 05 10 14.0–.50 4S–3.0 130E–2.0 5–4 6.0b,5.6
NEIC IV 22 05 10 15.4–.57 4.17S 129.99E 35 4.5b,5.6
ISC Event type se.
IDC Error ellipse: s-maj=47.4km s-min=12.3km az=76.0.
AUST Error ellipse: s-maj=1.2km s-min=0.8km az=25.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.2km az=63.0.
IDC IV 22 10 18 25.5–5.7 6.92S 125.17E 503–79 3.1,3.1b
¶16153263

IDC Error ellipse: s-maj=108.4km s-min=25.6km az=53.0.
IDC IV 22 12 16 09.9–3.3 4.70S 128.86E 0 3.6b,3.5
¶16153264

IDC Error ellipse: s-maj=319.2km s-min=30.0km az=68.0.
IDC IV 23 11 08 19.8–2.3 6.74S 129.24E 0 3.8,3.6
¶16153299

IDC Error ellipse: s-maj=98.8km s-min=29.4km az=76.0.
IDC IV 23 12 27 25.2–2.1 6.89S 129.12E 0 4.2,4.2L
¶16153301

IDC Error ellipse: s-maj=96.1km s-min=27.5km az=75.0.
ISC IV 24 15 20 39.5–.34 6.72S–.03 129.28E–.04 200 4.3b 106 2-128
NEIC IV 24 15 20 38.7–1.4 6.55S 129.30E 184–15 4.7b **¶15153933**
ISCJB IV 24 15 20 39.5–.21 6.63S–.02 129.35E–.03 200 4.2b
AUST IV 24 15 20 39.8 6.48S 129.53E 200 4.2b
IDC IV 24 15 20 41.7–2.1 6.48S 129.33E 207–21 3.9,3.9
DJA IV 24 15 20 42.5–.30 7S–3.0 129E–3.0 172–7 5.2,5.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 24 17 33 06.8–1.6 5.36S 127.26E 0 3.5,3.5b
¶16153344

IDC Error ellipse: s-maj=148.3km s-min=26.5km az=65.0.
ISC IV 24 20 38 30.3–.70 6.71S–.05 129.83E–.05 165–8 4.0b 55 2-151
ISCJB IV 24 20 38 30.1–.44 6.69S–.04 129.79E–.04 177–6 3.9b **¶15153930**
AUST IV 24 20 38 31.1–.01 6.70S 129.88E 164–0 3.9b
IDC IV 24 20 38 31.2–2.8 6.68S 129.70E 170–25 3.9,3.8
DJA IV 24 20 38 32.2–.50 7S–4.0 130E–4.0 169–15 5.3b,4.8
ISC Event type ke.
ISCJB Event type ke.
IDC IV 25 05 09 14.3–2.2 6.13S 129.05E 0 3.7,3.5
¶16153364

IDC Error ellipse: s-maj=98.7km s-min=28.0km az=75.0.
ISC IV 25 07 46 35.1–2.3 7.4S–.10 129.7E–.20 79 7 3-17
IDC IV 25 07 46 15.8–2.2 6.26S 129.63E 0 3.9,3.8 **¶16153368**
AUST IV 25 07 47 06.7–99 9.19S 130.62E 22–7 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=97.2km s-min=27.4km az=76.0.
AUST Error ellipse: s-maj=8.1km s-min=1.3km az=277.0.
ISC IV 25 11 47 46.7–.84 7.93S–.07 128.03E–.10 100 3.8b 16 4-72
ISCJB IV 25 11 47 45.3–.74 7.90S–.06 128.0E–.10 100 3.7b **¶15153951**
AUST IV 25 11 47 46.4–.90 7.87S 128.04E 54–0 3.7b
IDC IV 25 11 47 47.5–8.7 8.08S 127.96E 107–96 4.0L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=7.8km az=168.7.
AUST Error ellipse: s-maj=1.8km s-min=0.9km az=302.0.
IDC Error ellipse: s-maj=65.7km s-min=55.3km az=55.0.

ISC	**IV**	**25 14 58 01.6–.44**	**7.49S–.05**	**128.56E–.06**	**151**	**3.9b**	**54**	**4-151**
AUST	IV	25 14 57 57.7	7.49S	128.54E	100	3.9b		¶15153953
ISCJB	IV	25 14 58 00.5–.31	7.48S–.03	128.61E–.05	151	3.8b		
IDC	IV	25 14 58 01.5–2.3	7.39S	128.64E	148–21	3.8,3.8		
DJA	IV	25 14 58 03.8–.70	8S–8.0	129E–4.0	117–24	4.9b,4.6		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	**IV**	**26 02 12 54.8–.66**	**7.18S–.05**	**129.15E–.07**	**156**	**3.7b**	**31**	**4-71**
IDC	IV	26 02 12 53.1–7.9	7.08S	129.13E	128–82	3.8,3.6		¶15153974
ISCJB	IV	26 02 12 54.4–.51	7.16S–.04	129.11E–.07	156	3.7b,3.6		
AUST	IV	26 02 12 55.4	7.48S	129.04E	100	3.7b,3.6		
DJA	IV	26 02 13 06.4–3.4	6S–12	130E–6.0	22–52	5.1b,4.5b		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	**IV**	**26 08 38 27.2–.55**	**6.88S–.06**	**128.63E–.08**	**250**	**3.8b**	**30**	**3-146**
ISCJB	IV	26 08 38 26.6–.39	6.80S–.04	128.62E–.06	250	3.9b		¶12936238
DJA	IV	26 08 38 27.6–.40	7S–6.0	129E–4.0	226–14	4.8b,4.6b		
IDC	IV	26 08 38 27.5–2.9	6.70S	128.57E	244–31	3.9,3.8		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=8.7km s-min=5.2km az=165.1.						
IDC		Error ellipse: s-maj=20.6km s-min=12.0km az=66.0.						
ISC	**IV**	**26 19 04 57.5–.89**	**6.05S–.06**	**129.47E–.10**	**10**	**3.6b**	**14**	**3-71**
IDC	IV	26 19 04 55.4–1.8	5.88S	130.47E	0	3.9,3.8L		¶15153975
AUST	IV	26 19 04 59.9	5.98S	129.53E	100	3.9,3.8L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=77.3km s-min=24.9km az=78.0.						
IDC	**IV**	**27 03 24 17.3–2.3**	**6.30S**	**129.70E**	**0**	**3.9,3.8L**		
								¶16154541
IDC		Error ellipse: s-maj=101.5km s-min=28.3km az=76.0.						
ISC	**IV**	**27 07 00 31.4–.35**	**6.17S–.05**	**128.61E–.05**	**322**	**4.2b**	**108**	**2-152**
ISCJB	IV	27 07 00 30.0–.24	6.14S–.03	128.52E–.04	322	4.1b		¶15153988
BJI	IV	27 07 00 32.5	6.01S	128.75E	355	4.7b,4.2b		
AUST	IV	27 07 00 32.2–.01	6.19S	128.48E	330–0	4.7b,4.2b		
IDC	IV	27 07 00 34.5–2.0	6.16S	128.53E	358–23	4.0,3.9		
NEIC	IV	27 07 00 34.5–1.1	6.18S	128.53E	359–12	4.4b,3.9		
DJA	IV	27 07 00 34.5–.30	6S–7.0	129E–4.0	330–7	4.9b,4.5		
ISC		Event type se.						
ISCJB		Event type se.						
NEIC		Event type se.						
ISC	**IV**	**27 10 04 48.5–.75**	**7.04S–.06**	**129.8E–.10**	**104**		**18**	**5-129**
IDC	IV	27 10 04 45.1–5.9	6.94S	129.99E	76–60	4.3L,3.9		¶15153990
ISCJB	IV	27 10 04 47.3–.64	7.04S–.03	130.0E–.10	104	3.6b,3.9		
AUST	IV	27 10 04 48.4–.01	7.03S	129.91E	77–0	3.6b,3.9		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=76.7km s-min=39.2km az=73.0.						
ISCJB		Event type ke. Error ellipse: s-maj=15.9km s-min=4.9km az=2.4.						
AUST		Error ellipse: s-maj=1.0km s-min=0.8km az=281.0.						
ISC	**IV**	**27 14 50 46.8–1.6**	**5.4S–.10**	**129.5E–.20**	**150**		**9**	**3-67**
IDC	IV	27 14 50 46.1–5.0	5.07S	129.92E	144–43	3.1,3.1b		¶15153991
ISCJB	IV	27 14 50 49.5–.92	5.47S–.04	129.67E–.08	150	3.5b,3.1b		
AUST	IV	27 14 50 51.7–6.0	5.10S	131.00E	336–0	3.5b,3.1b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=101.5km s-min=15.7km az=73.0.						
ISCJB		Event type ke. Error ellipse: s-maj=12.2km s-min=5.3km az=16.8.						
AUST		Error ellipse: s-maj=3.7km s-min=1.1km az=252.0.						
IDC	**IV**	**27 17 20 54.6–2.5**	**4.37S**	**130.08E**	**0**	**3.4,3.3**		
								¶16154568
IDC		Error ellipse: s-maj=130.4km s-min=27.2km az=75.0.						
AUST	**IV**	**27 17 32 27.4–4.3**	**7.05S**	**128.72E**	**6–0**			
								¶16360029
AUST		Error ellipse: s-maj=1.1km s-min=0.8km az=228.0.						
IDC	**IV**	**28 02 58 35.3–5.7**	**7.39S**	**127.99E**	**88–58**	**4.0L,3.8**		
								¶16154579
IDC		Error ellipse: s-maj=86.5km s-min=37.5km az=70.0.						
ISC	**IV**	**28 07 51 55.5–.99**	**6.50S–.06**	**130.18E–.09**	**50**		**12**	**3-68**
IDC	IV	28 07 51 52.3–2.2	6.41S	130.41E	0	4.2,4.1b		¶15154007
ISCJB	IV	28 07 51 57.0–.60	6.48S–.04	130.34E–.05	50	4.1b,4.1b		
AUST	IV	28 07 51 57.7	6.48S	130.03E	100	4.1b,4.1b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=138.8km s-min=31.4km az=70.0.						
ISCJB		Event type ke. Error ellipse: s-maj=7.8km s-min=5.2km az=2.3.						
ISC	**IV**	**28 23 14 55.9–.58**	**7.66S–.06**	**129.12E–.09**	**131**	**3.9b**	**49**	**4-151**
NEIC	IV	28 23 14 47.8–1.9	7.15S	129.40E	41–18	4.0b		¶15154003
IDC	IV	28 23 14 48.5–5.6	7.17S	129.34E	44–53	4.5L,4.3		
AUST	IV	28 23 14 54.9–.72	7.40S	129.39E	97–0	4.5L,4.3		
ISC		Event type se.						
NEIC		Event type se. Error ellipse: s-maj=26.9km s-min=9.8km az=54.0.						
IDC		Error ellipse: s-maj=86.1km s-min=22.5km az=57.0.						
AUST		Error ellipse: s-maj=1.7km s-min=0.8km az=252.0.						
ISC	**IV**	**29 03 02 20.8–.57**	**6.93S–.06**	**126.72E–.09**	**407**	**3.8b**	**29**	**7-128**
ISCJB	IV	29 03 02 19.4–.33	6.93S–.04	126.62E–.05	407	3.7b		¶15154018
IDC	IV	29 03 02 22.2–1.8	7.01S	126.53E	426–21	3.4,3.4b		
AUST	IV	29 03 02 22.6	6.99S	127.02E	450	3.4,3.4b		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=7.3km s-min=5.3km az=163.3.						
IDC		Error ellipse: s-maj=21.7km s-min=8.4km az=68.0.						
IDC	**IV**	**29 07 15 28.5–1.6**	**5.82S**	**130.56E**	**0**	**4.4,4.4L**		
								¶16154611
IDC		Error ellipse: s-maj=70.3km s-min=21.0km az=68.0.						
IDC	**IV**	**29 22 23 49.8–2.1**	**6.70S**	**129.54E**	**0**	**4.1L,4.0**		
								¶16154646
IDC		Error ellipse: s-maj=78.8km s-min=28.1km az=77.0.						
IDC	**IV**	**30 05 11 42.2–5.0**	**6.53S**	**125.42E**	**521–69**	**3.0,2.9**		
								¶16154654
IDC		Error ellipse: s-maj=156.4km s-min=16.0km az=56.0.						
IDC	**IV**	**30 17 07 26.2–2.7**	**7.16S**	**129.05E**	**0**	**3.5b,3.2**		
								¶16154671
IDC		Error ellipse: s-maj=273.7km s-min=32.2km az=67.0.						
ISC	**IV**	**30 19 54 36.9–.55**	**6.49S–.06**	**127.42E–.07**	**408**	**3.3b**	**35**	**5-147**
ISCJB	IV	30 19 54 36.2–.37	6.51S–.05	127.32E–.05	408	3.3b		¶15154029
AUST	IV	30 19 54 36.1–.00	6.31S	127.32E	498–0	3.3b		
IDC	IV	30 19 54 38.1–1.9	6.51S	127.44E	432–22	3.2,3.1		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.9km s-min=5.4km az=136.6.						
AUST		Error ellipse: s-maj=1.4km s-min=1.0km az=24.0.						
IDC		Error ellipse: s-maj=28.4km s-min=9.3km az=67.0.						
IDC	**IV**	**30 23 55 33.3–2.2**	**6.64S**	**129.81E**	**0**	**3.8L,3.7**		
								¶16154682
IDC		Error ellipse: s-maj=90.0km s-min=28.1km az=77.0.						
ISC	**V**	**01 09 07 53.2–.27**	**6.85S–.03**	**126.93E–.04**	**407**	**4.3b**	**219**	**3-157**
BJI	V	01 09 07 46.7	7.38S	127.23E	410	4.4b,4.3b		¶15154040
ISCJB	V	01 09 07 52.2–.19	6.78S–.02	126.92E–.03	407	4.3b,4.3b		
DJA	V	01 09 07 53.9–.20	7S–3.0	127E–2.0	404–4	5.0b,5.0		
NEIC	V	01 09 07 53.7–.44	6.76S	126.89E	415–4	4.6b,5.0		
AUST	V	01 09 07 53.4–.32	6.79S	126.82E	410–0	4.6b,5.0		
IDC	V	01 09 07 53.2–1.1	6.79S	126.92E	407–11	4.0,4.0		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=4.1km s-min=3.1km az=154.3.						
NEIC		Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=71.0.						
AUST		Error ellipse: s-maj=0.8km s-min=0.6km az=41.0.						
IDC		Error ellipse: s-maj=11.4km s-min=6.3km az=77.0.						
IDC	**V**	**01 11 26 28.6–2.2**	**5.89S**	**130.86E**	**0**	**3.7b,3.5**		
								¶16154705
IDC		Error ellipse: s-maj=85.3km s-min=28.6km az=78.0.						
ISC	**V**	**01 12 17 40.0–.61**	**7.21S–.05**	**128.83E–.08**	**156**	**3.8b**	**26**	**4-128**
IDC	V	01 12 17 38.6–5.3	7.12S	128.88E	142–54	3.9,3.7		¶15154038
ISCJB	V	01 12 17 38.6–.48	7.13S–.04	128.80E–.06	156	3.8b,3.7		
AUST	V	01 12 17 41.5	6.98S	129.03E	200	3.8b,3.7		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=35.2km s-min=19.5km az=51.0.						
ISCJB		Event type ke. Error ellipse: s-maj=8.7km s-min=5.3km az=0.1.						

ISC	**V**	**01 19 04 45.2–.65**	**6.62S–.04**	**129.87E–.05**	**131–6**	**4.5b**	**165**	**3-151**
BJI	V	01 19 04 35.2	7.09S	130.33E	102	5.0b,4.9b		¶15154036
AUST	V	01 19 04 39.6	6.48S	129.53E	60	5.0b,4.9b		
NEIC	V	01 19 04 43.2–1.5	6.52S	129.85E	114–15	4.5b,4.9b		
ISCJB	V	01 19 04 45.0–.47	6.54S–.03	129.89E–.04	145–5	4.5b,4.9b		
IDC	V	01 19 04 47.4–3.6	6.49S	129.90E	151–33	4.1,4.1		
DJA	V	01 19 04 47.0–.30	7S–4.0	130E–5.0	136–14	5.4b,5.1b		
ISC		Event type se.						
NEIC		Event type se.						
ISCJB		Event type se.						
ISC	**V**	**01 23 25 31.5–.81**	**6.96S–.06**	**129.18E–.08**	**156**		**17**	**4-71**
IDC	V	01 23 25 17.7–1.9	6.51S	128.86E	0	4.2L,4.1		¶15154042
AUST	V	01 23 25 30.2	6.98S	129.03E	35	4.2L,4.1		
ISCJB	V	01 23 25 31.1–.58	6.86S–.05	129.02E–.06	156	3.5b,4.1		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	**V**	**02 01 35 04.3–1.1**	**6.92S–.06**	**130.1E–.10**	**139**		**11**	**3-68**
IDC	V	02 01 34 50.7–1.9	6.40S	129.71E	0	4.2b,3.9		¶15154065
AUST	V	02 01 35 02.8–.03	6.66S	129.61E	169–1	4.2b,3.9		
ISCJB	V	02 01 35 03.3–.92	6.84S–.05	129.97E–.10	139	3.9b,3.9		
ISC		Event type ke.						
ISCJB		Event type ke.						
IDC	**V**	**02 08 32 10.3–2.3**	**6.40S**	**130.10E**	**0**	**4.0L,3.8**		
								¶16154829
IDC		Error ellipse: s-maj=137.3km s-min=31.8km az=70.0.						
ISC	**V**	**02 21 21 07.0–.59**	**7.20S–.07**	**124.70E–.10**	**559**	**3.6b**	**30**	**3-124**
ISCJB	V	02 21 21 05.8–.41	7.15S–.06	124.74E–.07	559	3.6b		¶13678249
DJA	V	02 21 21 06.9–.40	7S–4.0	125E–6.0	534–13	4.6b,4.4b		
IDC	V	02 21 21 06.1–1.1	7.13S	124.77E	535–14	3.3,3.2		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=9.3km s-min=6.9km az=158.0.						
IDC		Error ellipse: s-maj=22.5km s-min=8.7km az=64.0.						
IDC	**V**	**02 21 58 57.1–6.3**	**6.09S**	**127.83E**	**462–86**	**3.2,3.0**		
								¶16154850
IDC		Error ellipse: s-maj=67.8km s-min=31.5km az=54.0.						
ISC	**V**	**02 22 03 10.0–1.1**	**6.49S–.06**	**129.94E–.10**	**146**		**16**	**3-68**
IDC	V	02 22 03 02.0–2.4	6.10S	130.08E	0	3.8,3.7L		¶15154062
AUST	V	02 22 03 11.9	6.48S	130.03E	100	3.8,3.7L		
ISCJB	V	02 22 03 11.8–1.0	6.52S–.05	129.9E–.10	146	3.2b,3.7L		
ISC		Event type ke.						
ISCJB		Event type ke.						
IDC	**V**	**03 14 54 52.8–2.4**	**5.97S**	**129.76E**	**0**	**3.6b,3.4**		
								¶16154866
IDC		Error ellipse: s-maj=160.3km s-min=31.2km az=69.0.						
ISC	**V**	**03 18 23 37.5–3.9**	**7.0S–.20**	**129.8E–.10**	**104**		**10**	**6-68**
AUST	V	03 18 21 54.2–19	0.88N	130.84E	24–2			¶16154873
IDC	V	03 18 23 38.0–5.0	6.63S	129.42E	248–51	2.9,2.8b		
ISC		Event type ke.						
AUST		Error ellipse: s-maj=3.3km s-min=1.1km az=241.0.						
IDC		Error ellipse: s-maj=64.7km s-min=20.6km az=70.0.						
ISC	**V**	**04 09 39 23.0–.44**	**6.38S–.04**	**130.30E–.06**	**90**	**4.2b**	**61**	**3-151**
NEIC	V	04 09 39 19.1–1.6	6.18S	130.34E	54–14	4.4b		¶15154107
IDC	V	04 09 39 20.4–4.2	6.22S	130.31E	65–39	4.7L,4.2		
ISCJB	V	04 09 39 22.2–.31	6.33S–.03	130.29E–.04	90	4.1b,4.2		
AUST	V	04 09 39 24.9	6.48S	130.54E	60	4.1b,4.2		
DJA	V	04 09 39 27.2–.30	6S–3.0	130E–4.0	108–11	5.6b,5.1		
ISC		Event type se.						
NEIC		Event type se.						
ISCJB		Event type se.						
IDC	**V**	**04 12 38 54.5–2.1**	**6.86S**	**129.77E**	**0**	**3.6b,3.5**		
								¶16154895
IDC		Error ellipse: s-maj=77.4km s-min=29.4km az=77.0.						
ISC	**V**	**04 15 01 57.0–.58**	**7.65S–.06**	**128.6E–.10**	**151**	**4.0b**	**27**	**4-151**
IDC	V	04 15 01 54.7–3.4	7.35S	128.54E	124–32	4.0,3.9		¶13678336
ISCJB	V	04 15 01 56.0–.48	7.67S–.04	128.51E–.09	151	3.9b,3.9		
DJA	V	04 15 01 59.8–.40	8S–3.0	129E–5.0	129–14	5.1b,4.7b		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	**V**	**05 04 25 30.9–.82**	**5.92S–.06**	**130.7E–.10**	**86**	**3.5b**	**16**	**3-129**
IDC	V	05 04 25 20.2–1.4	5.65S	130.83E	0	4.1,4.1L		¶15154124
ISCJB	V	05 04 25 29.6–.65	5.91S–.04	130.6E–.10	86	3.6b,4.1L		
AUST	V	05 04 25 32.0	5.97S	131.03E	30	3.6b,4.1L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=82.0km s-min=21.5km az=72.0.						
ISCJB		Event type ke. Error ellipse: s-maj=16.3km s-min=6.1km az=3.7.						
ISC	**V**	**06 07 17 22.8–.51**	**6.22S–.05**	**129.07E–.08**	**264**	**3.8b**	**43**	**3-147**
DJA	V	06 07 17 21.7–.60	6S–4.0	129E–6.0	250–14	5.3b,5.0b		¶15154181
ISCJB	V	06 07 17 21.7–.35	6.19S–.04	129.10E–.07	264	3.9b,5.0b		
AUST	V	06 07 17 22.1–.02	6.27S	129.08E	234–0	3.9b,5.0b		
IDC	V	06 07 17 23.0–2.0	6.22S	128.81E	254–20	3.9,3.8		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=9.2km s-min=4.7km az=166.5.						
AUST		Error ellipse: s-maj=1.2km s-min=1.0km az=238.0.						
IDC		Error ellipse: s-maj=21.7km s-min=8.1km az=71.0.						
ISC	**V**	**07 00 11 27.2–.80**	**6.87S–.07**	**129.84E–.09**	**104**	**3.8b**	**30**	**5-151**
AUST	V	07 00 11 22.4	6.48S	130.03E	100	3.8b		¶15154198
IDC	V	07 00 11 22.2–8.2	6.56S	129.70E	97–60	4.7L,4.1		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=57.1km s-min=36.5km az=178.0.						
IDC	**V**	**07 05 14 11.8–2.7**	**7.12S**	**126.47E**	**420–30**	**3.3,3.2**		
								¶16155472
IDC		Error ellipse: s-maj=64.3km s-min=12.1km az=64.0.						
IDC	**V**	**08 00 17 35.7–2.2**	**6.12S**	**126.56E**	**0**	**3.7L,3.6**		
								¶16155500
IDC		Error ellipse: s-maj=334.1km s-min=29.7km az=63.0.						
ISC	**V**	**08 02 21 20.0–1.3**	**6.86S–.09**	**129.8E–.10**	**165**		**14**	**6-68**
AUST	V	08 02 20 54.8–.02	4.96S	128.82E	104–1			¶15154213
IDC	V	08 02 21 18.5–6.8	6.81S	129.56E	151–65	3.6,3.4		
ISCJB	V	08 02 21 18.5–1.1	6.82S–.07	129.7E–.10	165	3.6b,3.4		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	**V**	**08 12 05 37.3–1.0**	**6.14S–.06**	**130.4E–.10**	**124**		**14**	**4-68**
ISCJB	V	08 12 05 36.2–.76	6.08S–.04	130.4E–.10	124	3.5b		¶15154211
AUST	V	08 12 05 37.3	5.98S	130.53E	100	3.5b		
IDC	V	08 12 05 43.0–5.2	6.40S	130.13E	170–49	3.4,3.3b		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=19.2km s-min=5.5km az=6.1.						
IDC		Error ellipse: s-maj=60.4km s-min=20.5km az=70.0.						
ISC	**V**	**08 21 48 43.8–1.3**	**7.28S–.08**	**129.1E–.10**	**156**		**13**	**6-68**
IDC	V	08 21 48 36.8–13	6.82S	129.17E	75–143	3.8L,3.6		¶16155529
ISCJB	V	08 21 48 43.1–1.1	7.24S–.06	129.1E–.10	156	2.9b,3.6		
AUST	V	08 21 48 56.7–.02	8.49S	130.30E	415–1	2.9b,3.6		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=111.8km s-min=59.3km az=32.0.						
ISCJB		Event type ke. Error ellipse: s-maj=14.6km s-min=9.0km az=2.4.						
AUST		Error ellipse: s-maj=3.1km s-min=2.1km az=314.0.						
IDC	**V**	**08 22 03 58.4–2.3**	**5.97S**	**130.23E**	**0**	**3.5,3.4**		
								¶16155531
IDC		Error ellipse: s-maj=99.4km s-min=28.1km az=77.0.						
ISC	**V**	**09 15 47 23.3–.50**	**7.01S–.05**	**129.96E–.07**	**104**	**3.9b**	**38**	**4-151**
IDC	V	09 15 47 19.1–3.5	6.89S	130.00E	61–34	4.3L,3.9		¶15154230
AUST	V	09 15 47 20.5	6.98S	129.54E	60	4.3L,3.9		
ISCJB	V	09 15 47 22.7–.39	7.05S–.03	130.07E–.06	104	4.0b,3.9		
DJA	V	09 15 47 26.6–.30	7S–3.0	130E–4.0	118–11	5.3b,4.8		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	**V**	**09 20 37 53.3–.76**	**7.35S–.05**	**128.75E–.08**	**151**	**3.6b**	**23**	**6-71**
IDC	V	09 20 37 36.5–1.1	6.58S	129.34E	0	4.2,4.2L		¶15154234
AUST	V	09 20 37 53.0	7.49S	128.54E	100	4.2,4.2L		
ISCJB	V	09 20 37 53.2–.64	7.28S–.04	128.85E–.09	151	3.5b,4.2L		
ISC		Event type ke.						

ISCJB Event type ke.
ISC V 10 13 54 31.1–.82 7.35S–.07 129.3E–.10 131 3.8b 14 5-151
IDC V 10 13 54 16.4–1.0 6.65S 129.67E 0 4.2,4.1 ¶13678682
DJA V 10 13 54 33.3–.80 7S–4.0 129E–10 92–35 5.2b,4.6
ISC Event type ke.
IDC V 10 15 46 16.1–6.2 7.38S 129.04E 172–61 3.6b,3.3
¶16155595

IDC Error ellipse: s-maj=62.7km s-min=22.2km az=60.0.
ISC V 10 16 32 45.8–.51 6.91S–.05 130.55E–.07 78 4.2b 46 4-146
IDC V 10 16 32 36.5–.76 6.84S 130.53E 0 4.5L,4.4 ¶15154252
ISCJB V 10 16 32 43.2–.35 7.00S–.03 130.63E–.06 78 4.0b,4.4
AUST V 10 16 32 44.2 6.97S 130.54E 60 4.0b,4.4
DJA V 10 16 32 57.3–.80 6S–6.0 131E–5.0 10 5.5b,4.9
ISC Event type ke.
ISCJB Event type ke.
IDC V 10 20 14 28.8–2.1 5.24S 126.38E 0 3.3,3.2
¶16155601

IDC Error ellipse: s-maj=233.7km s-min=30.7km az=64.0.
ISC V 10 22 31 13.7–.84 7.61S–.06 128.11E–.08 142 3.2b 30 6-151
IDC V 10 22 31 07.7–7.2 7.27S 128.17E 89–63 4.3L,3.9 ¶15154248
ISCJB V 10 22 31 12.1–.76 7.52S–.06 128.04E–.09 142 3.3b,3.9
AUST V 10 22 31 13.4 7.49S 128.54E 100 3.3b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=121.1km s-min=23.0km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=7.8km az=170.0.
ISC V 11 19 33 37.0–1.0 6.97S–.06 130.0E–.20 104 13 5-68
IDC V 11 19 33 24.3–1.8 6.55S 130.34E 0 4.1L,3.9 ¶15154260
ISCJB V 11 19 33 35.0–.88 7.00S–.04 129.9E–.20 104 3.3b,3.9
AUST V 11 19 33 38.6 6.97S 131.05E 200 3.3b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=130.7km s-min=25.5km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=25.6km s-min=6.0km az=176.2.
ISC V 11 22 49 10.7–.57 7.90S–.06 128.5E–.10 44 3.9b 43 6-128
IDC V 11 22 49 05.3–.77 7.71S 128.42E 0 4.4L,4.2 ¶15154264
NEIC V 11 22 49 10.0–.35 7.82S 128.36E 35 4.6b,4.2
AUST V 11 22 49 19.7 8.48S 128.55E 35 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=15.9km az=87.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.1km az=75.0.
ISC V 12 14 51 46.3–1.1 7.85S–.08 127.91E–.07 100 3.7b 18 6-151
IDC V 12 14 51 41.3–3.8 7.69S 127.64E 112–36 3.7,3.6 ¶15154276
ISCJB V 12 14 51 43.7–.69 7.79S–.04 127.88E–.05 100 3.6b,3.6
AUST V 12 14 51 49.0 7.99S 128.04E 100 3.6b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=43.9km s-min=15.7km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.7km az=20.4.
AUST V 12 18 02 50.4 6.99S 128.53E 100
¶16360114
IDC V 12 18 20 45.9–1.7 4.91S 125.40E 0 3.6,3.4
¶16155681

IDC Error ellipse: s-maj=162.4km s-min=27.5km az=62.0.
IDC V 12 20 05 57.9–2.0 6.71S 128.39E 0 3.6b,3.5
¶16155686

IDC Error ellipse: s-maj=82.6km s-min=27.2km az=74.0.
ISC V 13 06 24 23.0–.91 7.08S–.06 129.56E–.10 139 13 5-68
IDC V 13 06 24 09.4–2.5 6.54S 129.27E 0 4.2,4.1L ¶15154301
AUST V 13 06 24 21.8 6.98S 129.54E 200 4.2,4.1L
ISCJB V 13 06 24 23.0–.86 7.03S–.06 129.41E–.10 139 3.5b,4.1L
ISC Event type ke.
ISCJB Event type ke.
ISC V 14 00 45 45.9–.84 7.65S–.06 129.78E–.08 50 4.1b 33 5-150
IDC V 14 00 45 36.8–.70 7.43S 129.55E 0 4.4,4.4L ¶15154315
ISCJB V 14 00 45 42.5–.48 7.57S–.04 129.59E–.06 50 4.1b,4.4L
AUST V 14 00 45 44.0–.44 7.60S 129.40E 44–0 4.1b,4.4L
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=15.5km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.7km az=173.9.
AUST Error ellipse: s-maj=1.2km s-min=0.9km az=300.0.
IDC V 14 08 52 30.4–7.7 7.13S 127.09E 398–103 3.1,3.0
¶16155736

IDC Error ellipse: s-maj=92.8km s-min=37.5km az=52.0.
IDC V 15 02 33 09.3–13 5.37S 128.53E 266–149 3.2,3.0
¶16155754

IDC Error ellipse: s-maj=83.1km s-min=48.4km az=40.0.
ISC V 16 02 16 51.2–.38 7.18S–.04 125.54E–.06 471–3 4.2b 151 3-147
BJI V 16 02 16 44.9 7.70S 125.77E 468 5.1b,4.4b ¶15154336
DJA V 16 02 16 49.0–.40 7S–4.0 126E–4.0 481–9 5.3b,5.2
NEIC V 16 02 16 50.9–.78 7.08S 125.56E 468–10 4.4b,5.2
ISCJB V 16 02 16 50.5–.26 7.11S–.03 125.49E–.04 477–3 4.2b,5.2
AUST V 16 02 16 50.4–.01 7.08S 125.43E 466–0 4.2b,5.2
IDC V 16 02 16 51.4–.98 7.10S 125.48E 472–11 3.8,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.6km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=152.5.
AUST Error ellipse: s-maj=1.1km s-min=0.9km az=30.0.
IDC Error ellipse: s-maj=16.2km s-min=7.8km az=73.0.
ISC V 17 16 40 43.3–.52 6.56S–.07 127.36E–.07 408 3.9b 49 3-126
DJA V 17 16 40 39.1–3.0 7S–16 128E–20 467–37 4.3b,4.3 ¶15154365
ISCJB V 17 16 40 42.4–.32 6.55S–.05 127.30E–.05 408 3.7b,4.3
AUST V 17 16 40 43.8 6.49S 127.52E 450 3.7b,4.3
IDC V 17 16 40 44.2–1.7 6.59S 127.27E 414–19 3.4b,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.9km az=136.7.
IDC Error ellipse: s-maj=22.4km s-min=12.1km az=63.0.
ISC V 18 03 14 58.0–.96 5.89S–.06 129.8E–.10 146 15 4-92
AUST V 18 03 14 45.7 5.49S 129.02E 0 ¶15154388
ISCJB V 18 03 14 57.5–.82 5.82S–.05 129.7E–.10 146 3.2b
IDC V 18 03 15 05.6–5.8 5.83S 130.09E 219–56 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=6.3km az=10.8.
IDC Error ellipse: s-maj=85.0km s-min=14.8km az=76.0.
ISC V 18 19 48 13.1–.95 6.84S–.09 128.4E–.20 350 3.7b 21 12-72
ISCJB V 18 19 48 11.9–.73 6.9S–.10 128.2E–.20 350 3.5b ¶16155883
IDC V 18 19 48 14.2–6.8 6.89S 128.25E 353–81 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.0km s-min=7.6km az=154.2.
IDC Error ellipse: s-maj=64.2km s-min=26.4km az=54.0.
ISC V 18 21 15 40.2–.41 7.07S–.04 129.52E–.05 139 3.8b 74 5-155
IDC V 18 21 15 36.5–3.3 6.96S 129.47E 99–30 4.0,3.9 ¶15154386
AUST V 18 21 15 37.6–.34 7.04S 129.28E 99–0 4.0,3.9
ISCJB V 18 21 15 38.8–.27 7.00S–.03 129.52E–.03 139 3.8b,3.9
DJA V 18 21 15 41.0–.40 7S–4.0 130E–3.0 168–20 5.2b,4.9
ISC Event type ke.
ISCJB Event type ke.
ISC V 19 02 34 10.1–.43 7.47S–.05 128.53E–.06 151 4.2b 64 4-151
ISCJB V 19 02 34 08.6–.28 7.46S–.03 128.53E–.04 151 4.2b ¶15154398
AUST V 19 02 34 08.2 7.49S 128.54E 100 4.2b
IDC V 19 02 34 09.3–2.8 7.32S 128.47E 135–25 4.2s,4.2
DJA V 19 02 34 09.1–.40 8S–5.0 129E–3.0 145–18 4.4,4.4b
ISC Event type ke.
ISCJB Event type ke.
ISC V 19 08 30 09.7–1.1 7.6S–.10 124.02E–.08 300 15 4-66
AUST V 19 08 30 09.4 7.50S 124.01E 300 ¶15154401
ISCJB V 19 08 30 10.5–.95 7.57S–.09 124.19E–.08 300 3.3b
IDC V 19 08 30 15.3–4.7 7.53S 124.66E 311–52 3.1,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=10.1km az=147.1.
IDC Error ellipse: s-maj=129.9km s-min=16.1km az=61.0.
IDC V 20 02 36 47.3–2.2 6.21S 130.15E 0 4.0b,3.6
¶16155928

IDC Error ellipse: s-maj=99.8km s-min=27.4km az=77.0.
IDC V 20 17 43 31.8–2.3 6.63S 130.03E 0 3.4b,3.3
¶16155963

IDC Error ellipse: s-maj=138.3km s-min=32.0km az=69.0.
ISC V 20 20 55 03.9–.75 6.95S–.06 130.08E–.09 104 3.5b 20 5-68
IDC V 20 20 54 52.9–1.3 6.59S 130.57E 0 4.3L,4.2 ¶15154429
ISCJB V 20 20 55 02.5–.59 6.92S–.04 130.07E–.09 104 3.6b,4.2
AUST V 20 20 55 03.8 6.98S 130.04E 100 3.6b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=71.5km s-min=21.0km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.0km az=174.7.
ISC V 21 01 51 18.3–.28 5.51S–.03 128.18E–.04 361–2 4.4b 397 3-161
BJI V 21 01 51 12.9 5.87S 128.60E 360 4.4b,4.4b ¶15154439
AUST V 21 01 51 15.7–.30 5.48S 128.04E 325–0 4.4b,4.4b
ISCJB V 21 01 51 18.8–.27 5.48S–.02 128.24E–.03 382–3 4.4b,4.4b
IDC V 21 01 51 19.5–.86 5.45S 128.21E 371–8 4.2,4.2
NEIC V 21 01 51 19.5–.49 5.47S 128.19E 375–5 4.5b,4.2
DJA V 21 01 51 20.6–.20 5S–4.0 128E–2.0 383–5 5.5,5.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 21 03 56 25.7–11 7.72S 123.06E 360–82 3.1b,2.8
¶16155980

IDC Error ellipse: s-maj=142.1km s-min=91.1km az=96.0.
ISC V 21 09 47 46.5–.47 7.78S–.08 128.1E–.20 150 4.1b 48 11-158
NEIC V 21 09 47 38.9–1.4 7.47S 128.39E 76–14 4.4b ¶13679358
IDC V 21 09 47 39.8–3.1 7.49S 128.31E 81–28 4.2,4.1
ISCJB V 21 09 47 43.5–.39 7.80S–.05 128.3E–.10 150 4.0b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 22 03 15 48.5–10 5.93S 129.79E 102–112 4.0,4.0L
¶16156011

IDC Error ellipse: s-maj=60.7km s-min=33.0km az=14.0.
ISC V 22 08 20 47.7–.74 7.52S–.06 128.72E–.09 131 3.8b 25 6-151
IDC V 22 08 20 41.8–5.7 7.15S 129.14E 77–52 3.7,3.7L ¶15154471
AUST V 22 08 20 45.5–.89 7.38S 128.62E 81–0 3.7,3.7L
ISCJB V 22 08 20 46.4–.67 7.46S–.04 128.75E–.08 131 3.7b,3.7L
ISC Event type ke.
ISCJB Event type ke.
ISC V 22 16 55 16.8–.65 7.14S–.05 129.82E–.08 104 3.6b 27 5-78
IDC V 22 16 55 06.0–1.6 6.68S 129.75E 0 4.1,4.1L ¶15154466
AUST V 22 16 55 15.1 6.98S 129.54E 35 4.1,4.1L
DJA V 22 16 55 20.5–.40 7S–4.0 130E–6.0 106–24 5.3,5.1
ISC Event type ke.
ISC V 22 18 36 02.3–.77 7.53S–.06 128.61E–.07 151 20 6-72
IDC V 22 18 35 48.2–1.9 6.88S 128.76E 0 3.8b,3.7 ¶15154467
ISCJB V 22 18 36 01.9–.63 7.50S–.05 128.58E–.07 151 3.5b,3.7
AUST V 22 18 36 01.4 7.49S 128.54E 60 3.5b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=105.6km s-min=25.9km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.4km az=163.4.
ISC V 23 03 42 53.7–.47 7.56S–.05 128.43E–.09 151 3.8b 53 9-151
IDC V 23 03 42 50.3–3.1 7.41S 128.47E 112–28 3.9,3.8 ¶13679448
NEIC V 23 03 42 50.7–1.3 7.45S 128.40E 118–13 4.3b,3.8
ISCJB V 23 03 42 51.9–.42 7.46S–.05 128.45E–.09 151 3.9b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 23 10 19 47.2–2.2 7.08S 129.01E 0 3.9,3.8L
¶16156046

IDC Error ellipse: s-maj=102.5km s-min=27.9km az=75.0.
IDC V 23 12 25 48.2–1.8 7.87S 128.77E 0 4.3L,3.5
¶16156049

IDC Error ellipse: s-maj=44.6km s-min=29.6km az=68.0.
IDC V 23 21 12 06.8–2.3 6.71S 129.80E 0 3.9L,3.8
¶16156061

IDC Error ellipse: s-maj=89.9km s-min=28.8km az=77.0.
IDC V 24 10 12 25.5–4.2 5.26S 129.54E 300–42 2.9,2.8
¶16156094

IDC Error ellipse: s-maj=83.4km s-min=14.2km az=72.0.
ISC V 24 11 29 52.5–.63 6.86S–.06 125.20E–.09 511 3.6b 29 4-69
ISCJB V 24 11 29 51.1–.40 6.77S–.05 125.06E–.07 511 3.5b ¶15154890
AUST V 24 11 29 53.3–.01 6.89S 125.15E 538–0 3.5b
IDC V 24 11 29 53.8–4.2 6.94S 124.97E 542–64 3.3,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.1km az=162.6.
AUST Error ellipse: s-maj=1.5km s-min=1.3km az=326.0.
IDC Error ellipse: s-maj=58.7km s-min=22.6km az=56.0.
ISC V 24 19 29 31.7–1.1 6.47S–.06 129.9E–.10 146 12 4-68
IDC V 24 19 29 22.2–2.4 6.00S 130.24E 0 4.0,4.0L ¶15154885
AUST V 24 19 29 33.2 6.48S 130.03E 60 4.0,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=91.0km s-min=29.4km az=77.0.
ISC V 25 10 25 17.2–.64 6.66S–.06 129.62E–.07 200 3.8b 29 3-93
AUST V 25 10 25 10.1 6.48S 129.03E 100 3.8b ¶15155496
IDC V 25 10 25 12.5–6.1 6.46S 129.55E 147–64 3.8,3.7
ISCJB V 25 10 25 16.8–.39 6.67S–.03 129.72E–.05 200 3.5b,3.7
DJA V 25 10 25 18.8–.40 7S–4.0 130E–4.0 159–19 5.0b,4.7
ISC Event type ke.
ISCJB Event type ke.
IDC V 25 12 03 20.0–2.3 6.68S 129.94E 0 4.0,4.0L
¶16156147

IDC Error ellipse: s-maj=87.6km s-min=28.9km az=77.0.
IDC V 26 00 03 52.2–1.9 6.75S 129.10E 0 4.1,4.0L
¶16156162

IDC Error ellipse: s-maj=114.3km s-min=30.6km az=67.0.
ISC V 26 04 56 47.1–1.1 7.63S–.07 128.57E–.09 151 14 6-55
AUST V 26 04 56 45.7 7.49S 128.54E 100 ¶15155518
ISCJB V 26 04 56 48.3–1.4 7.61S–.07 128.5E–.10 151 3.5b
IDC V 26 04 56 53.4–5.5 8.45S 129.03E 0 4.5s,4.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=9.4km az=9.5.
IDC Error ellipse: s-maj=68.6km s-min=49.1km az=140.0.
ISC V 26 07 04 24.5–.53 6.10S–.04 130.82E–.08 86 4.1b 52 3-103
IDC V 26 07 04 15.3–1.2 5.81S 130.35E 0 4.5,4.5L ¶15155520
AUST V 26 07 04 19.2 5.98S 130.53E 0 4.5,4.5L
NEIC V 26 07 04 20.4–.67 5.79S 130.47E 35 4.1b,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=67.2km s-min=18.3km az=71.0.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=10.0km az=71.0.
IDC V 26 14 20 43.2–2.0 7.65S 129.42E 0 3.7,3.6
AUST V 26 14 20 24.3 5.48S 129.52E 30 3.7,3.6 ¶16156185
IDC Error ellipse: s-maj=76.9km s-min=25.8km az=74.0.
ISC V 26 20 09 06.3–1.2 7.07S–.07 129.48E–.09 139 14 5-68
IDC V 26 20 08 57.5–2.1 6.79S 129.46E 0 3.8L,3.7 ¶15155516
AUST V 26 20 09 06.1 6.98S 129.54E 100 3.8L,3.7
ISCJB V 26 20 09 08.2–.99 7.09S–.05 129.6E–.20 139 2.9b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC V 27 00 17 11.4–1.8 5.52S 125.98E 533–23 3.2,3.1
¶16156200

IDC Error ellipse: s-maj=45.5km s-min=14.8km az=64.0.
IDC V 27 16 31 41.1–2.2 6.63S 129.72E 0 3.4,3.3
¶16156229

IDC Error ellipse: s-maj=90.4km s-min=28.0km az=77.0.
IDC V 28 13 16 16.4–2.1 7.15S 129.66E 0 3.4,3.3
AUST V 28 13 15 51.8–.00 4.34S 129.44E 247–1 3.4,3.3 ¶16156269
IDC Error ellipse: s-maj=85.5km s-min=27.9km az=77.0.
AUST Error ellipse: s-maj=2.3km s-min=1.4km az=327.0.
IDC V 28 15 15 46.1–2.4 5.96S 130.58E 0 3.4,3.4b
AUST V 28 15 15 30.8–99 4.60S 130.03E 0–0 3.4,3.4b ¶15155552

IDC Error ellipse: s-maj=96.3km s-min=30.0km az=78.0.
AUST Error ellipse: s-maj=6.1km s-min=1.4km az=38.0.
ISC V 28 15 38 46.8–.47 6.66S–.04 130.50E–.05 90 4.2b 53 4-151
IDC V 28 15 38 43.4–3.3 6.61S 130.38E 52–33 4.6L,4.2 ¶15155553
ISCJB V 28 15 38 45.2–.31 6.65S–.02 130.60E–.04 90 4.2b,4.2
AUST V 28 15 38 48.2–.01 6.69S 130.39E 102–0 4.2b,4.2
DJA V 28 15 38 48.7–.30 7S–3.0 131E–3.0 194–21 6.0,5.6b
ISC Event type ke.
ISCJB Event type ke.
IDC V 29 09 40 20.4–1.5 4.11S 130.15E 0 3.5,3.5b
¶16156303

IDC Error ellipse: s-maj=67.3km s-min=23.9km az=64.0.
IDC V 29 13 20 11.8–2.3 4.16S 129.88E 0 3.6,3.6b
¶16156312

IDC Error ellipse: s-maj=110.9km s-min=28.6km az=74.0.
IDC V 29 17 20 26.4–12 5.02S 127.81E 361–156 2.8,2.6
AUST V 29 17 21 10.1–54 9.72S 130.18E 512–1 2.8,2.6 ¶16156321
IDC Error ellipse: s-maj=77.9km s-min=49.9km az=93.0.
AUST Error ellipse: s-maj=11.6km s-min=1.3km az=286.0.
ISC V 29 17 59 58.3–.62 7.44S–.05 128.98E–.06 131 3.5b 25 6-72
IDC V 29 17 59 55.3–13 7.30S 129.07E 94–150 4.0L,3.8 ¶15155585
ISCJB V 29 17 59 57.0–.45 7.39S–.03 129.01E–.05 131 3.4b,3.8
AUST V 29 17 59 57.2 7.48S 129.04E 60 3.4b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=126.7km s-min=46.5km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.7km az=178.6.
ISC V 29 23 36 19.7–.71 6.91S–.06 129.06E–.07 156 3.8b 28 4-128
ISCJB V 29 23 36 20.0–.47 6.89S–.03 129.15E–.05 156 3.7b ¶15155590
AUST V 29 23 36 19.6 6.98S 129.03E 100 3.7b
IDC V 29 23 36 20.8–6.4 6.97S 128.69E 180–67 3.8,3.7
DJA V 29 23 36 21.5–.40 7S–4.0 129E–7.0 100–11 5.3b,5.2b
ISC Event type ke.
ISCJB Event type ke.
ISC V 30 05 06 52.2–.65 7.61S–.06 128.38E–.09 151 3.9b 27 6-151
AUST V 30 05 06 46.0 7.49S 128.03E 60 3.9b ¶15155605
IDC V 30 05 06 49.0–3.9 7.61S 128.13E 115–36 3.9,3.8
ISCJB V 30 05 06 51.3–.52 7.53S–.04 128.50E–.07 151 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC V 30 08 37 48.1–7.7 6.27S 128.08E 406–106 3.3,3.2
¶16066072

IDC Error ellipse: s-maj=48.8km s-min=28.0km az=174.0.
IDC V 30 09 23 52.0–4.2 6.61S 128.01E 370–62 3.5,3.3
¶16066075

IDC Error ellipse: s-maj=89.5km s-min=15.0km az=77.0.
ISC V 30 10 45 14.5–1.1 6.42S–.09 130.0E–.10 146 3.9b 23 6-73
ISCJB V 30 10 45 12.2–.73 6.34S–.05 130.03E–.08 146 3.9b ¶15155606
IDC V 30 10 45 16.0–3.7 6.39S 129.99E 175–35 3.8,3.7
AUST V 30 10 45 39.8 7.97S 130.56E 300 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=7.6km az=170.7.
IDC Error ellipse: s-maj=33.1km s-min=14.0km az=66.0.
ISC V 30 12 57 01.5–1.1 7.06S–.06 129.5E–.20 139 3.7b 14 5-68
IDC V 30 12 56 50.9–1.3 6.66S 129.84E 0 4.3L,4.1 ¶15155603
AUST V 30 12 56 59.7 6.98S 129.54E 35 4.3L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=63.0km s-min=23.1km az=87.0.
ISC V 30 16 53 21.3–.44 7.69S–.05 127.97E–.05 142 3.7b 55 4-151
ISCJB V 30 16 53 19.8–.30 7.59S–.03 127.90E–.04 142 3.7b ¶15155610
IDC V 30 16 53 20.1–3.5 7.53S 128.02E 128–32 3.9,3.8
AUST V 30 16 53 21.1–.38 7.59S 127.92E 119–0 3.9,3.8
DJA V 30 16 53 24.5–.30 8S–2.0 128E–5.0 201–12 5.0b,4.7b
ISC Event type ke.
ISCJB Event type ke.
IDC V 31 10 03 36.9–2.6 7.32S 128.30E 0 3.6,3.5b
¶16066110

IDC Error ellipse: s-maj=294.6km s-min=31.8km az=65.0.
IDC V 31 11 05 44.2–2.2 6.62S 129.36E 0 3.9,3.8
¶16066111

IDC Error ellipse: s-maj=59.3km s-min=27.6km az=68.0.
IDC V 31 16 00 07.7–1.6 7.07S 128.13E 0 4.3,4.3s
¶16066122

IDC Error ellipse: s-maj=88.6km s-min=23.9km az=68.0.
ISC V 31 17 36 08.3–.64 5.97S–.07 131.67E–.10 61 4.0b 26 13-150
IDC V 31 17 36 02.8–.71 5.63S 131.44E 0 4.2,4.2L ¶16066128
ISCJB V 31 17 36 07.0–.64 5.84S–.06 131.5E–.20 61 4.0b,4.2L
ISC Event type ke.
ISCJB Event type ke.
IDC VI 01 00 33 17.1–5.3 6.50S 129.92E 110–46 3.9,3.8
¶16066137

IDC Error ellipse: s-maj=55.5km s-min=24.4km az=76.0.
ISC VI 01 12 37 34.7–.85 6.98S–.07 129.7E–.10 139 3.8b 13 5-151
IDC VI 01 12 37 31.3–6.3 6.64S 129.74E 99–57 3.9,3.8 ¶13680105
ISCJB VI 01 12 37 34.0–.87 6.81S–.05 129.6E–.10 139 3.7b,3.8
DJA VI 01 12 37 42.0–.60 7S–5.0 132E–23 10 5.3b,4.8
ISC Event type ke.
ISCJB Event type ke.
IDC VI 01 12 54 27.7–1.7 7.07S 129.64E 0 4.3L,4.2
¶16066167

IDC Error ellipse: s-maj=67.3km s-min=25.4km az=70.0.
ISC VI 01 13 00 50.0–.79 6.10S–.10 127.9E–.20 400 3.8b 22 12-76
ISCJB VI 01 13 00 49.1–.57 6.02S–.09 127.7E–.20 400 3.7b ¶16066168
IDC VI 01 13 00 51.7–2.8 6.14S 127.85E 419–33 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.5km s-min=8.2km az=156.5.
IDC Error ellipse: s-maj=29.4km s-min=11.3km az=71.0.
IDC VI 01 14 51 34.9–.72 7.42S 125.72E 0 4.0,4.0b
¶16066169

IDC Error ellipse: s-maj=36.6km s-min=15.4km az=79.0.
IDC VI 01 19 27 36.5–12 6.87S 128.81E 220–136 2.8,2.7b
¶16066178

IDC Error ellipse: s-maj=107.6km s-min=46.0km az=43.0.
IDC VI 02 03 41 12.9–8.4 6.54S 129.91E 100–76 3.5,3.5b
¶16066195

IDC Error ellipse: s-maj=103.6km s-min=26.9km az=59.0.
IDC VI 02 06 00 47.2–3.8 7.23S 125.72E 511–53 3.1b,2.9
¶16066203

IDC Error ellipse: s-maj=118.9km s-min=19.2km az=56.0.
IDC VI 02 08 45 33.5–1.7 6.81S 129.76E 0 4.2,4.2L
¶16066211

IDC Error ellipse: s-maj=78.6km s-min=23.8km az=76.0.
IDC VI 02 10 03 51.7–8.6 7.08S 129.07E 75–85 4.2L,4.0
¶16066214

IDC Error ellipse: s-maj=98.8km s-min=30.5km az=54.0.
IDC VI 02 11 37 46.9–4.5 6.81S 124.99E 553–64 3.1,2.9
¶16066218

IDC Error ellipse: s-maj=165.3km s-min=18.8km az=56.0.
IDC VI 02 11 44 04.6–2.3 6.32S 130.03E 0 3.6,3.5b
¶16066219

IDC Error ellipse: s-maj=94.0km s-min=29.3km az=77.0.
IDC VI 02 15 13 32.8–2.4 6.79S 129.25E 0 3.7b,3.5
¶16066230

IDC Error ellipse: s-maj=202.2km s-min=31.3km az=68.0.
IDC VI 04 09 39 11.1–18 6.70S 125.71E 379–237 3.1,2.9
¶16100932

IDC Error ellipse: s-maj=196.8km s-min=53.2km az=38.0.
IDC VI 04 11 55 13.2–2.3 6.48S 129.69E 0 3.8b,3.7
¶16100937

IDC Error ellipse: s-maj=149.7km s-min=32.1km az=69.0.
IDC VI 04 21 14 54.5–1.4 5.89S 130.45E 0 4.1,4.1b
¶16100962

IDC Error ellipse: s-maj=89.2km s-min=20.8km az=73.0.
IDC VI 05 08 17 52.9–1.6 4.22S 131.73E 0 4.1L,4.0
¶16100978

IDC Error ellipse: s-maj=75.5km s-min=29.3km az=83.0.
IDC VI 05 17 56 59.4–4.2 5.43S 128.03E 0 3.8,3.8L
¶16100990

IDC Error ellipse: s-maj=537.3km s-min=29.3km az=66.0.
IDC VI 05 20 31 04.8–2.2 6.90S 128.97E 0 3.5,3.4b
¶16100995

IDC Error ellipse: s-maj=97.4km s-min=28.0km az=75.0.
ISC VI 06 08 59 41.9–.57 4.20S–.06 129.72E–.05 36 4.1b 43 1-87
IDC VI 06 08 59 37.3–.83 4.13S 129.63E 0 4.2,4.1 ¶13680663
ISCJB VI 06 08 59 39.8–.37 4.20S–.04 129.72E–.04 36 4.2b,3.9s
DJA VI 06 08 59 41.1–.90 4S–4.0 130E–3.0 19–11 5.7b,5.2
NEIC VI 06 08 59 41.9–.55 4.26S 129.67E 35 4.5b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=56.2km s-min=15.9km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=141.1.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=8.6km az=60.0.
IDC VI 06 13 00 21.8–2.6 4.24S 130.23E 0 3.7,3.5
¶16101013

IDC Error ellipse: s-maj=130.1km s-min=28.6km az=75.0.
IDC VI 06 15 24 42.9–2.5 6.25S 127.81E 0 3.5,3.4
¶16101020

IDC Error ellipse: s-maj=303.3km s-min=30.2km az=66.0.
ISC VI 06 18 35 44.0–.54 5.43S–.05 131.63E–.07 54 3.9b 45 3-78
IDC VI 06 18 35 38.5–.92 5.41S 131.26E 0 4.4L,4.3 ¶15155793
ISCJB VI 06 18 35 41.9–.34 5.46S–.03 131.65E–.05 54 4.0b,4.3
DJA VI 06 18 35 41.7–.50 5S–4.0 132E–5.0 10 5.5b,4.9
AUST VI 06 18 35 43.0 5.47S 131.53E 25 5.5b,4.9
ISC Event type ke.
IDC Error ellipse: s-maj=52.5km s-min=16.9km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.1km az=160.9.
IDC VI 07 18 33 36.7–1.9 5.72S 130.97E 0 3.8,3.8b
¶16101070

IDC Error ellipse: s-maj=127.7km s-min=27.2km az=69.0.
IDC VI 07 23 52 08.1–2.1 6.36S 129.65E 0 3.7,3.5
¶16101080

IDC Error ellipse: s-maj=93.6km s-min=27.3km az=76.0.
IDC VI 08 05 42 38.3–2.3 6.20S 129.98E 0 3.8b,3.5
¶16101089

IDC Error ellipse: s-maj=98.1km s-min=28.3km az=77.0.
IDC VI 08 08 26 40.6–2.2 6.47S 130.77E 0 4.1,4.1L
¶16101099

IDC Error ellipse: s-maj=86.0km s-min=28.3km az=78.0.
ISC VI 08 09 36 17.7–.77 6.27S–.09 127.89E–.10 450 3.4b 18 7-91
ISCJB VI 08 09 36 16.8–.66 6.21S–.10 127.9E–.10 450 3.5b ¶15155907
IDC VI 08 09 36 16.1–2.7 6.25S 127.89E 425–34 3.5,3.4
AUST VI 08 09 36 29.2 7.49S 128.54E 450 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.1km s-min=10.8km az=155.0.
IDC Error ellipse: s-maj=34.7km s-min=11.0km az=72.0.
IDC VI 08 09 47 00.5–3.2 7.10S 129.17E 105–30 3.9,3.8
¶16101102

IDC Error ellipse: s-maj=26.5km s-min=12.6km az=76.0.
IDC VI 08 18 05 11.7–2.2 6.26S 130.61E 0 3.4,3.3b
¶16101115

IDC Error ellipse: s-maj=73.4km s-min=29.4km az=78.0.
IDC VI 09 02 48 56.0–16 5.02S 129.40E 133–175 4.0L,3.7b
¶16101128

IDC Error ellipse: s-maj=118.3km s-min=56.0km az=46.0.
ISC VI 09 06 30 34.1–.34 6.01S–.04 127.89E–.05 35 4.9b,4.1s 198 2-153
BJI VI 09 06 30 24.8 6.56S 127.88E 10 5.0b,4.8b ¶12952899
IDC VI 09 06 30 28.9–.51 5.98S 127.78E 0 4.7,4.6L
NEIC VI 09 06 30 30.3–.27 6.03S 127.83E 10 5.0b,4.6L
ISCJB VI 09 06 30 31.7–.24 6.00S–.03 127.93E–.03 33 4.8b,4.1s
MOS VI 09 06 30 32.2–1.1 5.95S 127.82E 33 5.1b,4.1s
DJA VI 09 06 30 35.8–1.3 6S–2.0 128E–2.0 30–15 5.4b,5.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VI 09 22 24 34.2–.89 5.83S–.06 131.3E–.10 86 3.6b 15 3-68
IDC VI 09 22 24 26.9–1.5 5.73S 130.84E 0 3.8,3.8b ¶15155967
ISCJB VI 09 22 24 33.6–.66 5.83S–.04 131.3E–.20 86 3.6b,3.8b
AUST VI 09 22 24 34.6–.01 5.77S 131.07E 47–1 3.6b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=167.7km s-min=21.5km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=29.9km s-min=6.0km az=177.7.
AUST Error ellipse: s-maj=3.8km s-min=0.9km az=280.0.
IDC VI 10 00 43 02.5–2.2 6.69S 129.51E 0 3.7,3.6b
¶16101164

IDC Error ellipse: s-maj=89.6km s-min=28.6km az=76.0.
ISC VI 10 02 52 50.7–.26 6.35S–.03 128.36E–.04 323–1 4.8b 529 3-153
MOS VI 10 02 52 48.4–.91 6.29S 128.23E 307 4.7b ¶12976589
NEIC VI 10 02 52 50.9–.63 6.29S 128.29E 323–6 4.8b
ISCJB VI 10 02 52 50.5–.27 6.31S–.02 128.43E–.03 333–2 4.7b
IDC VI 10 02 52 51.1–.92 6.34S 128.26E 325–8 4.5,4.5
TEH VI 10 02 52 51.0 6.27S 128.29E 326 4.8L,4.5
DJA VI 10 02 52 52.2–.20 6S–3.0 128E–2.0 301–5 7.2,5.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VI 11 00 07 09.0–1.6 7.05S 123.86E 0 3.6,3.5L
¶16101192

IDC Error ellipse: s-maj=129.5km s-min=25.8km az=64.0.
IDC VI 11 04 01 28.3–2.2 5.69S 130.63E 0 4.0,3.8
¶16101196

IDC Error ellipse: s-maj=94.4km s-min=27.8km az=77.0.
ISC VI 11 14 38 52.4–.75 7.02S–.08 125.1E–.10 543 3.9b 20 3-66
ISCJB VI 11 14 38 51.2–.55 6.95S–.07 125.14E–.08 543 3.8b ¶13681170
DJA VI 11 14 38 51.4–.80 7S–8.0 125E–11 517–31 4.6b,4.3
IDC VI 11 14 38 52.4–1.5 6.95S 125.12E 543–20 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=8.5km az=147.5.
IDC Error ellipse: s-maj=34.7km s-min=13.7km az=65.0.
IDC VI 11 15 04 23.2–2.1 6.38S 129.81E 0 3.6,3.4
¶16101209

IDC Error ellipse: s-maj=90.8km s-min=27.6km az=77.0.
IDC VI 12 12 34 17.7–2.5 5.60S 130.70E 0 3.5,3.4
¶16101237

IDC Error ellipse: s-maj=113.7km s-min=28.3km az=77.0.
IDC VI 12 13 05 10.2–1.2 4.18S 129.74E 0 4.0,3.9
¶16101238

IDC Error ellipse: s-maj=61.4km s-min=20.1km az=67.0.
ISC VI 12 20 46 56.5–.22 5.35S–.03 127.99E–.03 352–1 5.3b 1083 2-166
BJI VI 12 20 46 53.7 5.48S 128.27E 356 5.0b,4.6b ¶13057934
NEIC VI 12 20 46 55.4–.10 5.30S 128.03E 340 5.3b,4.6b
MOS VI 12 20 46 55.5–1.0 5.28S 128.02E 346 5.2b,4.6b
DJA VI 12 20 46 56.7–.10 5S–2.0 128E–1.0 353–3 6.1,5.7b
ISCJB VI 12 20 46 56.2–.25 5.37S–.02 128.02E–.02 362–2 5.2b,5.7b
TEH VI 12 20 46 57.0 5.27S 128.00E 357 5.4L,5.7b
IDC VI 12 20 46 58.0–.48 5.36S 127.98E 361–4 5.0,5.0
GCMT VI 12 20 46 58.4–.20 5.31S 128.00E 352–1 5.4W,5.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=60.0.
MOS Error ellipse: s-maj=8.7km s-min=4.2km az=117.4.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.8km az=159.8.
IDC Error ellipse: s-maj=8.9km s-min=4.7km az=64.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c112;
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.48±.03 $M_{\theta\theta}$0.06±.04; $M_{\phi\phi}$0.42±.04; $M_{r\theta}$-0.54±.05;
$M_{\theta\phi}$-0.43±.04; $M_{\phi r}$1.08±.04; Best double couple: NP1:ϕ_s313.00000°,δ14.00000°,λ-110.00000°.
NP2:ϕ_s154.00000°,δ77.00000°,λ-85.00000°. Principal axes: T 1.4600,Plg32.0000°

,Azm240.0000°; N -0.2200,Plg5.0000°,Azm333.0000°; P -1.2400,Plg58.0000°,Azm70.0000°
$M_0$1.40000×10^{17}
ISC VI 13 03 44 26.6–.72 7.68S–.06 128.43E–.08 151 3.7b 23 4-151
IDC VI 13 03 44 10.6–.88 7.14S 128.64E 0 4.7L,4.4 **¶15156073**
AUST VI 13 03 44 20.9 7.49S 128.03E 60 4.7L,4.4
ISCJB VI 13 03 44 24.5–.63 7.63S–.05 128.3E–.10 151 3.7b,4.4
ISC Event type ke.
ISCJB Event type ke.
ISC VI 13 19 01 45.4–1.7 6.57S–.09 130.9E–.30 42 6 4-68
IDC VI 13 19 01 32.9–2.1 5.86S 130.33E 0 4.5b,3.8 **¶15156075**
AUST VI 13 19 01 43.1–99 6.27S 130.14E 0–6 4.5b,3.8
ISCJB VI 13 19 01 44.4–1.1 6.60S–.05 131.0E–.20 42 4.5b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VI 13 23 26 46.0–.63 7.17S–.06 127.9E–.10 309 3.8b 24 6-127
ISCJB VI 13 23 26 44.8–.51 7.09S–.05 127.87E–.09 309 3.7b **¶15156076**
IDC VI 13 23 26 45.7–2.2 7.20S 127.54E 296–23 3.6,3.5
AUST VI 13 23 26 48.5–2.0 7.30S 128.59E 387–0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.3km az=8.1.
IDC Error ellipse: s-maj=31.6km s-min=12.0km az=80.0.
AUST Error ellipse: s-maj=2.8km s-min=1.5km az=288.0.
ISC VI 14 00 34 31.1–.62 6.03S–.05 129.86E–.09 146 3.9b 31 4-93
AUST VI 14 00 34 29.0 5.98S 129.53E 100 3.9b **¶15156099**
ISCJB VI 14 00 34 29.5–.44 5.98S–.03 129.84E–.07 146 3.8b
IDC VI 14 00 34 35.6–2.4 6.02S 130.28E 199–23 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.6km az=1.1.
IDC Error ellipse: s-maj=34.1km s-min=10.0km az=81.0.
IDC VI 14 12 14 27.2–2.3 5.70S 129.63E 0 3.9,3.8L
¶16101317
IDC Error ellipse: s-maj=96.2km s-min=29.1km az=75.0.
IDC VI 14 15 53 03.6–2.4 6.38S 130.19E 0 3.5,3.3
¶16101324
IDC Error ellipse: s-maj=96.7km s-min=29.2km az=77.0.
IDC VI 15 00 57 37.5–2.5 6.57S 130.80E 0 3.9L,3.8
¶16101340
IDC Error ellipse: s-maj=106.9km s-min=28.3km az=79.0.
ISC VI 15 14 27 20.5–.33 7.44S–.04 123.91E–.05 556–3 4.4b 244 2-154
BJI VI 15 14 27 15.0 7.98S 124.12E 563 4.6b,4.5b **¶15156133**
AUST VI 15 14 27 20.2–.01 7.33S 123.91E 558–0 4.6b,4.5b
ISCJB VI 15 14 27 20.1–.22 7.37S–.03 123.95E–.03 567–3 4.4b,4.5b
IDC VI 15 14 27 20.9–.76 7.38S 123.94E 561–8 3.9,3.9
DJA VI 15 14 27 20.5–.20 8S–4.0 124E–2.0 559–3 5.0b,4.9b
NEIC VI 15 14 27 21.1–.50 7.35S 123.95E 565–6 4.5b,4.9b
ISC Event type se.
AUST Error ellipse: s-maj=0.9km s-min=0.7km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=136.6.
IDC Error ellipse: s-maj=12.1km s-min=6.2km az=63.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.0km az=54.0.
ISC VI 16 07 41 04.9–1.8 7.33S–.08 129.6E–.20 131 9 5-68
IDC VI 16 07 40 49.7–2.1 6.66S 129.72E 0 4.1,4.0L **¶16101397**
AUST VI 16 07 41 31.5–99 9.53S 129.65E 0–2 4.1,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=87.3km s-min=27.5km az=77.0.
AUST Error ellipse: s-maj=9.7km s-min=1.6km az=293.0.
IDC VI 16 07 53 00.8–6.3 4.45S 125.77E 440–82 3.0,2.8
¶16101398
IDC Error ellipse: s-maj=99.2km s-min=29.0km az=58.0.
ISC VI 16 10 06 45.1–.99 7.63S–.08 128.38E–.09 151 3.6b 18 6-127
AUST VI 16 10 06 43.0 7.49S 128.54E 60 3.6b **¶15156154**
ISCJB VI 16 10 06 43.1–.82 7.52S–.06 128.4E–.10 151 3.5b
IDC VI 16 10 06 43.2–6.0 7.48S 128.36E 133–57 3.4b,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=8.1km az=172.5.
IDC Error ellipse: s-maj=77.7km s-min=23.8km az=64.0.
ISC VI 16 17 52 41.5–.29 4.14S–.03 126.38E–.03 25–1 5.0b,4.2s 353 3-148
BJI VI 16 17 52 32.6 4.87S 127.02E 25 5.0b,4.8b **¶15156152**
AUST VI 16 17 52 38.2–1.4 4.15S 126.42E 0–0 5.0b,4.8b
ISCJB VI 16 17 52 39.3–.75 4.11S–.02 126.40E–.02 22–5 4.9b,4.2s
GCMT VI 16 17 52 41.8–.20 4.05S 126.29E 18–0 5.1W,4.2s
MOS VI 16 17 52 41.1–1.2 4.04S 126.37E 33 5.2b,4.1s
DJA VI 16 17 52 41.9–.70 4S–2.0 126E–1.0 15–7 5.6b,5.6
NEIC VI 16 17 52 43.0–1.2 4.04S 126.35E 39–11 5.0b,5.6
IDC VI 16 17 52 44.4–2.1 4.15S 126.24E 51–19 4.7,4.7
ISC Event type se.
AUST Error ellipse: s-maj=0.8km s-min=0.5km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=149.2.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s42,c58; s88,c151;
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.94±.16 $M_{\theta\theta}$-2.69±.11; $M_{\phi\phi}$3.62±.14; $M_{r\theta}$0.92±.29;
$M_{\theta\phi}$5.25±.11; $M_{\phi r}$0.94±.28; Best double couple: NP1:ϕ_s344.00000°,δ80.00000°,λ176.00000°.
NP2:ϕ_s75.00000°,δ86.00000°,λ10.00000°. Principal axes: T 6.8000,Plg9.0000°
,Azm300.0000°; N -1.1200,Plg80.0000°,Azm95.0000°; P -5.6800,Plg4.0000°,Azm209.0000°
$M_0$6.20000×10^{16}
MOS Error ellipse: s-maj=13.0km s-min=6.2km az=115.4.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.9km az=59.0.
IDC Error ellipse: s-maj=14.6km s-min=9.9km az=55.0.
IDC VI 16 21 29 59.6–2.5 6.33S 130.46E 0 3.5,3.4b
¶16101416
IDC Error ellipse: s-maj=140.0km s-min=32.7km az=70.0.
IDC VI 16 21 46 50.6–11 7.34S 126.33E 0 3.9b,3.7
¶16101417
IDC Error ellipse: s-maj=270.7km s-min=157.0km az=67.0.
ISC VI 17 02 36 36.5–1.7 7.66S–.08 128.8E–.20 151 12 6-27
AUST VI 17 02 36 30.1 7.49S 128.03E 100 **¶15156179**
ISCJB VI 17 02 36 35.0–1.6 7.60S–.07 128.7E–.20 151 3.6b
IDC VI 17 02 36 43.0–14 8.08S 129.06E 143–105 3.4,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.2km s-min=9.8km az=3.8.
IDC Error ellipse: s-maj=93.9km s-min=86.3km az=129.0.
IDC VI 17 15 13 11.8–2.5 4.32S 131.65E 0 3.6,3.5
¶16101440
IDC Error ellipse: s-maj=100.6km s-min=28.0km az=81.0.
IDC VI 17 16 25 24.5–4.4 6.58S 128.69E 225–43 3.3b,3.2
¶16101441
IDC Error ellipse: s-maj=73.5km s-min=16.9km az=68.0.
ISC VI 18 07 03 09.1–1.6 5.94S–.10 129.2E–.20 264 13 4-28
AUST VI 18 07 03 03.8 5.49S 128.52E 300 **¶15156197**
ISCJB VI 18 07 03 08.7–1.4 5.86S–.08 129.1E–.20 264 3.6b
IDC VI 18 07 03 12.3–4.2 5.89S 129.00E 331–84 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.0km s-min=7.3km az=21.7.
IDC Error ellipse: s-maj=78.3km s-min=42.1km az=112.0.
ISC VI 18 19 28 39.2–.40 6.72S–.04 128.35E–.05 334 4.0b 107 3-152
AUST VI 18 19 28 36.5–.01 6.66S 128.47E 299–0 4.0b **¶15156200**
NEIC VI 18 19 28 36.6–1.1 6.64S 128.33E 300–12 4.3b
ISCJB VI 18 19 28 37.8–.24 6.70S–.03 128.40E–.04 334 4.0b
IDC VI 18 19 28 37.5–1.7 6.70S 128.29E 307–18 4.0,4.0
DJA VI 18 19 28 39.8–.30 7S–4.0 128E–3.0 224–12 5.2,5.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VI 18 20 25 56.7–.59 6.50S–.06 128.5E–.10 334 3.7b 36 5-127
ISCJB VI 18 20 25 55.2–.35 6.48S–.05 128.45E–.07 334 3.5b **¶15156201**
AUST VI 18 20 25 55.5 6.49S 128.53E 300 3.5b
IDC VI 18 20 25 58.9–2.1 6.68S 128.32E 361–23 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.2km az=154.4.
IDC Error ellipse: s-maj=28.9km s-min=10.0km az=67.0.
IDC VI 20 06 54 00.7–2.0 6.88S 129.18E 0 3.8,3.7
¶16101526
IDC Error ellipse: s-maj=79.2km s-min=27.2km az=76.0.
IDC VI 21 12 32 48.5–2.5 5.67S 130.81E 0 3.5,3.4
¶16101569
IDC Error ellipse: s-maj=111.3km s-min=27.9km az=78.0.
IDC VI 21 16 56 36.6–2.2 6.89S 129.21E 0 3.4,3.4b
¶16101582
IDC Error ellipse: s-maj=103.8km s-min=27.7km az=76.0.
IDC VI 21 18 49 36.7–2.2 5.77S 130.74E 0 3.8b,3.6
¶16101588
IDC Error ellipse: s-maj=114.8km s-min=25.7km az=78.0.
IDC VI 22 07 18 57.5–2.1 5.99S 129.37E 0 3.8,3.7b
¶16101599
IDC Error ellipse: s-maj=94.1km s-min=27.0km az=75.0.
IDC VI 22 10 44 13.9–9.9 7.26S 126.72E 460–146 2.9,2.7
¶16101606
IDC Error ellipse: s-maj=129.6km s-min=48.3km az=40.0.
IDC VI 22 14 18 03.7–1.5 6.03S 130.56E 0 4.1b,3.9
¶16101611
IDC Error ellipse: s-maj=68.4km s-min=23.0km az=71.0.
ISC VI 22 15 44 02.8–.70 7.58S–.07 128.3E–.10 100 4.0b 35 11-151
ISCJB VI 22 15 44 01.2–.53 7.48S–.06 128.4E–.10 100 4.0b **¶13681844**
NEIC VI 22 15 44 01.2–1.6 7.44S 128.38E 81–15 4.5b
IDC VI 22 15 44 01.5–3.8 7.45S 128.36E 82–35 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=8.2km az=163.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=10.2km az=56.0.
IDC Error ellipse: s-maj=36.1km s-min=15.0km az=72.0.
IDC VI 22 16 15 18.6–2.1 6.75S 129.27E 0 3.5,3.3
¶16101613
IDC Error ellipse: s-maj=90.1km s-min=28.2km az=76.0.
IDC VI 22 17 29 22.7–5.2 7.26S 129.03E 91–55 4.4L,3.8
¶16101617
IDC Error ellipse: s-maj=37.0km s-min=19.7km az=54.0.
IDC VI 23 00 27 12.8–15 7.36S 129.00E 131–166 3.4L,3.2
¶16101628
IDC Error ellipse: s-maj=106.8km s-min=63.8km az=82.0.
IDC VI 23 00 34 53.0–13 7.91S 128.09E 162–147 3.7L,3.3
¶16101629
IDC Error ellipse: s-maj=100.2km s-min=53.8km az=27.0.
ISC VI 23 05 55 21.6–.42 6.83S–.06 127.12E–.07 407 4.0b 78 4-153
ISCJB VI 23 05 55 20.5–.29 6.78S–.04 127.12E–.05 407 4.0b **¶13681886**
DJA VI 23 05 55 21.2–.50 7S–5.0 127E–4.0 435–10 6.2,5.0
NEIC VI 23 05 55 21.4–.78 6.76S 127.05E 404–10 4.7b,5.0
IDC VI 23 05 55 22.6–1.6 6.86S 127.00E 419–20 3.8,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.0km az=147.4.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.3km az=50.0.
IDC Error ellipse: s-maj=16.4km s-min=8.3km az=61.0.
IDC VI 23 12 04 44.3–2.1 6.02S 130.46E 0 4.2b,4.0
¶16101652
IDC Error ellipse: s-maj=92.0km s-min=26.8km az=77.0.
IDC VI 23 19 52 05.3–2.3 6.33S 130.46E 0 3.6,3.5
¶16101665
IDC Error ellipse: s-maj=89.6km s-min=29.2km az=78.0.
IDC VI 24 13 38 15.3–1.8 7.02S 125.52E 488–27 3.3,3.2
¶16101695
IDC Error ellipse: s-maj=32.9km s-min=11.1km az=58.0.
IDC VI 25 09 19 10.5–1.5 4.34S 128.78E 0 4.2,4.1
¶16101712
IDC Error ellipse: s-maj=112.3km s-min=25.2km az=71.0.
IDC VI 25 11 55 22.4–2.4 7.71S 123.69E 263–23 3.6,3.5
¶16101716
IDC Error ellipse: s-maj=50.5km s-min=10.1km az=60.0.
IDC VI 26 00 40 59.3–12 6.83S 129.56E 248–137 3.1,2.9
¶16101733
IDC Error ellipse: s-maj=104.9km s-min=44.5km az=42.0.
IDC VI 26 16 12 51.9–7.7 6.70S 128.07E 417–108 3.0,2.9b
¶16101751
IDC Error ellipse: s-maj=85.9km s-min=43.1km az=53.0.
IDC VI 26 18 50 11.8–1.0 5.70S 131.17E 0 4.4L,4.2
¶16101760
IDC Error ellipse: s-maj=65.3km s-min=15.7km az=71.0.
ISC VI 27 01 07 35.8–1.7 5.99S–.09 130.3E–.20 124 12 2-68
IDC VI 27 01 07 20.4–2.1 5.43S 130.45E 0 4.2,4.2b **¶15156289**
ISCJB VI 27 01 07 36.7–1.0 6.09S–.05 130.5E–.10 124 4.0b,4.2b
AUST VI 27 01 07 37.8 5.98S 130.53E 200 4.0b,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=95.9km s-min=26.7km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=5.9km az=15.0.
ISC VI 27 05 15 45.3–1.4 7.50S–.08 128.9E–.10 200 13 6-68
IDC VI 27 05 15 32.4–2.2 7.05S 128.87E 0 4.1,3.9 **¶15156292**
AUST VI 27 05 15 46.0–.02 7.48S 129.13E 195–0 4.1,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=102.5km s-min=27.3km az=75.0.
AUST Error ellipse: s-maj=1.4km s-min=0.9km az=272.0.
IDC VI 27 13 49 14.8–2.4 6.54S 130.80E 0 3.5,3.4b
¶16101787
IDC Error ellipse: s-maj=87.7km s-min=29.4km az=79.0.
ISC VI 27 19 18 48.2–1.1 7.12S–.07 129.83E–.10 146 3.8b 17 3-72
IDC VI 27 19 18 30.4–1.5 6.35S 130.16E 0 4.0,3.9 **¶15156287**
ISCJB VI 27 19 18 46.1–.70 6.98S–.05 129.67E–.08 146 3.6b,3.9
AUST VI 27 19 18 47.8 6.98S 130.04E 100 3.6b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=89.3km s-min=21.6km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=6.6km az=171.0.
IDC VI 27 23 58 02.2–2.5 5.69S 130.96E 0 4.1s,4.1
¶16101801
IDC Error ellipse: s-maj=114.2km s-min=27.4km az=78.0.
IDC VI 28 15 17 28.0–4.0 7.83S 123.31E 178–40 3.4,3.2
¶16101827
IDC Error ellipse: s-maj=88.8km s-min=14.6km az=59.0.
IDC VI 28 17 08 13.6–1.3 7.28S 123.93E 555–19 3.3,3.1
¶16101830
IDC Error ellipse: s-maj=27.7km s-min=10.2km az=73.0.
IDC VI 29 01 42 38.9–4.0 6.67S 129.72E 168–38 3.7,3.6
¶16101845
IDC Error ellipse: s-maj=36.9km s-min=18.1km az=64.0.
ISC VI 29 04 48 12.5–.32 7.75S–.04 127.92E–.05 142 4.4b 119 4-151
ISCJB VI 29 04 48 11.2–.27 7.58S–.04 127.84E–.05 142 4.3b **¶13682235**
NEIC VI 29 04 48 12.7–1.0 7.49S 127.80E 137–9 4.5b
IDC VI 29 04 48 13.2–2.1 7.48S 127.72E 140–19 4.3,4.3
BJI VI 29 04 48 16.8 7.60S 127.70E 196 4.8b,4.6b
DJA VI 29 04 48 17.2–.30 8S–3.0 128E–2.0 117–7 5.2b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC VI 29 11 06 54.2–5.8 6.93S 129.70E 225–58 3.0b,2.8
¶16101857
IDC Error ellipse: s-maj=76.9km s-min=25.3km az=67.0.
IDC VI 29 18 03 21.0–2.5 5.40S 131.77E 0 4.6,4.5
¶16101869
IDC Error ellipse: s-maj=201.8km s-min=25.5km az=70.0.
IDC VI 30 00 47 34.1–2.2 6.70S 129.78E 0 4.1,4.0b
¶16101881
IDC Error ellipse: s-maj=104.2km s-min=27.2km az=77.0.
ISC VI 30 10 54 33.0–1.5 6.0S–.10 129.1E–.10 264 3.9b 24 4-152
AUST VI 30 10 54 22.2 5.49S 128.52E 200 3.9b **¶15156332**
IDC VI 30 10 54 30.5–2.1 5.64S 128.79E 279–22 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=25.8km s-min=10.2km az=62.0.
ISC VI 30 13 03 20.9–.75 6.49S–.07 128.0E–.10 353 3.6b 22 5-70

AUST VI 30 13 02 16.9–2.3 1.94S 125.52E 128–0 3.6b ¶16101892
ISCJB VI 30 13 03 19.8–.58 6.41S–.05 128.0E–.10 353 3.5b
IDC VI 30 13 03 25.7–2.9 6.61S 127.90E 411–37 3.4,3.3
ISC Event type ke.
AUST Error ellipse: s-maj=2.6km s-min=1.4km az=346.0.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=6.9km az=168.3.
IDC Error ellipse: s-maj=36.5km s-min=11.2km az=72.0.

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IDC I 01 13 13 21.4–2.6 7.02S 132.37E 0 4.0,3.9L
¶12079754
IDC Error ellipse: s-maj=86.0km s-min=26.6km az=77.0.
ISC I 03 23 36 37.9–2.0 7.1S–.20 130.2E–.10 104 4.6b 17 12-68
IDC I 03 23 36 30.1–6.1 6.59S 129.80E 89–63 4.8L,4.3 ¶12080002
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=27.8km az=30.0.
ISC I 06 23 26 29.0–.91 6.69S–.08 131.1E–.20 62 4.0b 18 13-93
IDC I 06 23 26 21.6–1.0 6.28S 131.19E 0 4.3L,4.2 ¶11712627
ISCJB I 06 23 26 27.5–.67 6.68S–.05 130.9E–.10 62 3.8b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC I 09 18 48 26.2–.82 7.60S–.07 130.9E–.10 35 3.7b 26 12-94
IDC I 09 18 48 21.1–1.3 7.39S 131.26E 0 4.1L,4.1 ¶12080876
NEIC I 09 18 48 22.9–.71 7.47S 130.92E 10 4.2b,4.1
ISCJB I 09 18 48 23.9–.63 7.67S–.05 130.88E–.09 33 3.8b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 11 17 38 09.2–1.6 7.13S 130.21E 0 3.9b,3.8
¶12081046
IDC Error ellipse: s-maj=80.8km s-min=23.7km az=72.0.
ISC I 13 22 05 10.8–.48 7.01S–.06 130.24E–.08 104 4.6b 75 4-93
IDC I 13 22 05 07.7–4.3 6.77S 129.82E 56–44 4.9L,4.3 ¶11712746
NEIC I 13 22 05 07.2–1.4 6.81S 129.72E 53–15 4.4b,4.3
ISCJB I 13 22 05 09.4–.35 6.93S–.05 130.09E–.08 104 4.5b,4.3
DJA I 13 22 05 11 6.93S 130.16E 143 4.5,4.3
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=16.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.2km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.2km az=157.5.
IDC I 16 11 42 29.9–2.5 7.75S 130.67E 0 3.4L,3.3
¶12081434
IDC Error ellipse: s-maj=134.6km s-min=34.4km az=70.0.
ISC I 21 22 22 24.3–.43 6.65S–.04 131.47E–.06 101–3 4.7b 145 2-150
BJI I 21 22 22 10.3 7.18S 132.05E 51 5.1b,4.8s ¶11615857
NEIC I 21 22 22 17.4–2.5 6.48S 131.24E 34–19 4.8b,4.8s
ISCJB I 21 22 22 18.9–.59 6.57S–.03 131.56E–.04 76–6 4.6b,4.8s
DJA I 21 22 22 23 6.48S 131.40E 73 5.1b,4.8s
IDC I 21 22 22 25.8–.66 6.41S 131.27E 109–4 4.1,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.2km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.3km az=159.3.
IDC Error ellipse: s-maj=23.4km s-min=12.4km az=57.0.
IDC I 23 20 10 35.1–2.1 7.16S 130.38E 0 3.9,3.8L
DJA I 23 20 10 47 7.40S 129.94E 121 4.1,3.8L ¶12082160
IDC Error ellipse: s-maj=83.2km s-min=27.6km az=78.0.
ISC I 25 19 13 49.3–.37 7.02S–.04 130.31E–.06 81–2 5.0b 244 3-151
BJI I 25 19 13 43.6 7.37S 130.51E 79 5.1b,4.9b ¶11617245
ISCJB I 25 19 13 47.4–.24 6.99S–.03 130.42E–.05 80 4.9b,4.9b
NEIC I 25 19 13 47.9–.86 6.91S 130.28E 69–8 5.2b,4.9b
IDC I 25 19 13 52.1–2.3 6.88S 130.22E 102–20 4.5,4.5
DJA I 25 19 13 53 7.20S 130.42E 135 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.9km az=168.7.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=53.0.
IDC Error ellipse: s-maj=17.3km s-min=11.8km az=73.0.
IDC I 30 23 57 50.1–20 6.22S 131.02E 149–221 3.4b,3.0L
¶12082775
IDC Error ellipse: s-maj=94.9km s-min=89.4km az=1.0.
IDC II 01 19 46 11.0–1.5 8.44S 131.82E 0 4.1L,3.9
¶15954839
IDC Error ellipse: s-maj=64.2km s-min=20.8km az=70.0.
ISC II 20 04 08 23.0–.66 7.12S–.06 130.37E–.10 78 3.8b 19 3-136
ISCJB II 20 04 08 21.2–.55 7.13S–.05 130.22E–.08 78 3.8b ¶12701307
IDC II 20 04 08 22.0–5.6 6.85S 130.57E 66–55 4.3L,3.9
DJA II 20 04 08 25.8–.60 7S–3.0 131E–8.0 146–20 5.2b,4.7b
ISC Event type ke.
ISCJB Event type ke.
ISC III 06 08 44 12.2–.49 7.00S–.04 130.43E–.05 78 4.6b 72 3-150
IDC III 06 08 44 11.5–5.6 6.84S 130.29E 71–51 5.1L,4.3 ¶15153076
NEIC III 06 08 44 12.6–2.0 6.90S 130.22E 83–21 4.0b,4.3
AUST III 06 08 44 13.0 6.98S 130.04E 60 4.0b,4.3
DJA III 06 08 44 22.5–.50 6S–5.0 131E–3.0 132–7 5.3b,4.7
ISC Event type se.
NEIC Event type se.
ISC III 08 06 55 38.2–1.0 7.03S–.07 130.04E–.08 104 13 3-68
IDC III 08 06 55 28.8–2.2 6.67S 130.03E 0 3.8,3.7L ¶15153100
ISCJB III 08 06 55 37.2–.91 6.98S–.06 130.05E–.07 104 3.5b,3.7L
AUST III 08 06 55 37.7–.09 6.84S 130.08E 131–1 3.5b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=88.4km s-min=27.9km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=8.5km az=142.6.
AUST Error ellipse: s-maj=3.6km s-min=1.5km az=311.0.
ISC III 09 20 54 04.2–.70 7.23S–.06 132.01E–.07 35 3.8b 23 2-79
IDC III 09 20 54 01.9–.93 7.53S 130.65E 0 4.1L,4.0 ¶15153120
ISCJB III 09 20 54 03.0–.55 7.11S–.05 131.82E–.07 33 3.7b,3.5s
AUST III 09 20 54 03.2 6.97S 131.55E 0 3.7b,3.5s
DJA III 09 20 54 04.8–.50 7S–5.0 132E–8.0 95–32 5.1b,4.7b
ISC Event type ke.
ISCJB Event type ke.
ISC III 11 13 12 42.2–.89 7.16S–.06 131.14E–.09 47 12 2-69
IDC III 11 13 12 37.2–2.2 6.96S 130.98E 0 4.0,3.9L ¶12702967
ISCJB III 11 13 12 41.5–.75 7.30S–.05 131.10E–.09 47 3.6b,3.9L
DJA III 11 13 12 43.8–.30 7S–4.0 132E–6.0 180–10 4.8b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC III 27 06 27 32.2–2.2 7.64S 130.01E 0 3.5,3.4b
¶12635683
IDC Error ellipse: s-maj=115.2km s-min=33.0km az=68.0.
ISC IV 03 13 37 57.7–.24 8.02S–.03 130.32E–.04 29–1 5.2b,5.1s 655 3-169
BJI IV 03 13 37 52.6 8.26S 130.69E 35 5.6b,5.1s ¶15153530
IDC IV 03 13 37 53.4–.38 7.87S 130.29E 0 5.0s,5.0
ISCJB IV 03 13 37 57.7–.42 8.01S–.02 130.44E–.02 48–3 5.2b,5.1s
GCMT IV 03 13 37 58.9–.10 8.07S 130.28E 21–0 5.6W,5.1s
DJA IV 03 13 37 58.1–.70 8S–1.0 130E–2.0 26–7 5.8b,5.7
NEIC IV 03 13 37 58.5–.19 8.01S 130.23E 35 5.6W,5.5W
MOS IV 03 13 37 59.6–.95 7.38S 130.19E 33 5.6b,4.9s
AUST IV 03 13 37 59.8–.17 7.97S 130.38E 45–0 5.6b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=10.4km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.4km az=176.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=227, per= 50. Moment Tensor Solution. s100,c183; s57,c61; Moment tensor: Scale 10^{17}Nm; M_{rr}2.18±.03 $M_{\theta\theta}$-2.25±.03; $M_{\phi\phi}$0.07±.03; $M_{r\theta}$2.05±.06; $M_{\theta\phi}$-0.24±.02; $M_{\phi r}$0.50±.06; Best double couple: NP1:ϕ_s270.00000°,δ24.00000°,λ100.00000°. NP2:ϕ_s79.00000°,δ67.00000°,λ85.00000°. Principal axes: T 3.0300,Plg68.0000°,Azm340.0000°; N 0.0800,Plg4.0000°,Azm81.0000° ; P -3.1000,Plg22.0000°,Azm172.0000° $M_0$3.10000×10^{17}
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.7km az=62.0. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}2.14 $M_{\theta\theta}$-2.56 $M_{\phi\phi}$0.42 $M_{r\theta}$-0.63 $M_{\theta\phi}$-0.91 $M_{\phi r}$0.27 Best double couple: NP1:ϕ_s268.00000°,δ53.00000°,λ108.00000°. NP2:ϕ_s59.00000° ,δ41.00000°,λ67.00000°. Principal axes: T 2.3100,Plg74.0000°,Azm232.0000° ; N 0.5600,Plg14.0000°,Azm76.0000°; P -2.8700,Plg6.0000°,Azm345.0000°
$M_0$2.60000×10^{17}
MOS Error ellipse: s-maj=15.2km s-min=6.8km az=115.9.
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=229.0.
IDC IV 03 13 42 38.8–1.9 8.13S 130.52E 0 4.5,4.4
¶16152311
IDC Error ellipse: s-maj=54.6km s-min=29.5km az=124.0.
ISC IV 03 13 46 34.5–.48 8.20S–.05 130.4E–.10 35 4.5b 58 11-150
IDC IV 03 13 46 30.9–.55 7.90S 130.30E 0 4.4,4.4 ¶12934395
ISCJB IV 03 13 46 31.5–.34 8.24S–.04 130.4E–.10 33 4.5b,4.4
NEIC IV 03 13 46 34.5–.41 8.13S 130.31E 35 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=13.8km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=4.9km az=172.4.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=7.9km az=81.0.
IDC IV 03 14 09 33.9–2.3 8.11S 130.58E 0 3.4,3.4b
¶16152313
IDC Error ellipse: s-maj=77.5km s-min=29.9km az=79.0.
IDC IV 03 16 44 09.6–1.2 8.08S 130.52E 0 3.8,3.7b
¶16152321
IDC Error ellipse: s-maj=55.6km s-min=23.5km az=85.0.
ISC IV 04 22 03 20.2–.79 8.30S–.07 130.4E–.10 35 3.9b 14 3-94
IDC IV 04 22 03 15.2–.94 8.09S 130.54E 0 4.1L,4.1 ¶16152389
ISCJB IV 04 22 03 18.2–.58 8.32S–.05 130.3E–.10 33 4.1b,4.0s
ISC Event type ke.
ISCJB Event type ke.
IDC IV 05 14 15 47.1–2.0 8.18S 130.54E 0 3.8,3.6
¶16152417
IDC Error ellipse: s-maj=66.6km s-min=24.1km az=76.0.
ISC IV 12 12 05 20.0–1.2 6.89S–.09 131.1E–.10 62 13 6-130
IDC IV 12 12 05 12.4–2.2 6.67S 131.05E 0 4.2,4.2b ¶15153667
ISCJB IV 12 12 05 22.8–1.9 7.0S–.10 131.18E–.10 62 4.1b,4.2b
AUST IV 12 12 05 37.3–1.1 7.90S 131.07E 175–0 4.1b,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=103.2km s-min=27.5km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=13.8km az=165.5.
AUST Error ellipse: s-maj=1.9km s-min=1.0km az=27.0.
IDC IV 13 18 35 20.1–2.3 8.70S 130.32E 0 3.3,3.3
¶16152773
IDC Error ellipse: s-maj=118.8km s-min=33.2km az=68.0.
AUST IV 14 22 09 06.0–.02 7.95S 130.65E 117–0
¶16359947
AUST Error ellipse: s-maj=1.6km s-min=0.9km az=298.0.
ISC IV 18 20 55 02.8–1.2 6.71S–.08 131.8E–.20 46 8 1-69
IDC IV 18 20 54 56.4–4.1 6.51S 132.09E 0 5.6L ¶15153790
ISCJB IV 18 20 55 01.6–.89 6.76S–.06 131.7E–.10 46 3.3b
AUST IV 18 20 55 02.5–8.1 6.55S 132.33E 183–0 3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=274.4km s-min=32.1km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=21.5km s-min=7.3km az=171.1.
AUST Error ellipse: s-maj=5.1km s-min=1.0km az=260.0.
IDC IV 30 17 52 47.9–7.6 8.67S 130.92E 75–85 3.2,3.1L
¶16154672
IDC Error ellipse: s-maj=55.8km s-min=45.9km az=10.0.
ISC V 09 05 33 34.4–.81 6.14S–.05 131.9E–.10 35 16 3-69
IDC V 09 05 33 29.4–2.6 6.13S 132.10E 0 4.3,4.3L ¶15154231
ISCJB V 09 05 33 33.3–.65 6.25S–.04 131.91E–.10 33 3.9b,4.3L
AUST V 09 05 33 35.7–.01 6.09S 132.06E 62–0 3.9b,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=113.3km s-min=27.8km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=6.1km az=0.7.
AUST Error ellipse: s-maj=1.5km s-min=0.8km az=273.0.
IDC V 10 20 52 19.8–1.6 7.00S 130.37E 0 3.9b,3.8
¶16155606
IDC Error ellipse: s-maj=70.0km s-min=23.3km az=72.0.
IDC V 15 01 59 00.0–2.3 8.15S 130.99E 0 3.6,3.6b
¶16155752
IDC Error ellipse: s-maj=78.9km s-min=29.7km az=80.0.
ISC V 19 06 24 22.0–.59 7.07S–.05 130.05E–.06 150 4.2b 55 5-129
AUST V 19 06 24 18.3 6.98S 129.54E 100 4.2b ¶15154400
NEIC V 19 06 24 18.2–2.6 6.93S 129.70E 105–25 4.5b
ISCJB V 19 06 24 20.5–.37 7.01S–.03 130.03E–.05 150 4.1b
IDC V 19 06 24 22.8–3.8 7.12S 129.46E 147–31 4.0,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=15.7km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.1km az=167.2.
IDC Error ellipse: s-maj=77.1km s-min=16.1km az=69.0.
IDC VI 01 05 45 48.0–11 7.14S 130.40E 108–123 4.0L,3.8
¶16066150
IDC Error ellipse: s-maj=74.0km s-min=50.0km az=30.0.
IDC VI 03 17 59 43.6–9.5 7.54S 130.78E 101–106 3.8L,3.6
¶16100903
IDC Error ellipse: s-maj=60.6km s-min=45.9km az=28.0.
IDC VI 08 08 32 22.0–1.6 8.15S 130.96E 0 4.1b,4.0
¶16101100
IDC Error ellipse: s-maj=67.6km s-min=22.0km az=78.0.
ISC VI 11 14 29 04.7–.44 7.99S–.04 130.43E–.05 31–2 5.1b,4.3s 242 5-150
MOS VI 11 14 29 03.3–1.4 8.04S 130.38E 33 5.5b,4.3s ¶15156021
NEIC VI 11 14 29 04.8–.31 8.05S 130.29E 35 5.0b,4.3s
IDC VI 11 14 29 04.4–4.0 7.82S 130.36E 19–24 4.7b,4.6
ISCJB VI 11 14 29 05.2–.57 7.92S–.03 130.49E–.04 47–5 5.0b,4.1s
AUST VI 11 14 29 05.6–.82 7.95S 130.49E 30–0 5.0b,4.1s
DJA VI 11 14 29 07.5–.30 8S–2.0 131E–3.0 51–5 5.2b,5.2
BJI VI 11 14 29 10.7 7.26S 130.25E 71 5.2b,5.0b
ISC Event type se.
MOS Error ellipse: s-maj=15.4km s-min=6.2km az=114.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=67.0.
IDC Error ellipse: s-maj=20.6km s-min=11.0km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.4km az=162.0.
AUST Error ellipse: s-maj=0.7km s-min=0.5km az=242.0.
IDC VI 12 16 49 20.6–2.2 7.66S 130.07E 0 3.7,3.7L
¶16101246
IDC Error ellipse: s-maj=80.0km s-min=28.8km az=78.0.
IDC VI 12 17 15 33.6–7.4 8.51S 130.90E 75–81 3.5,3.4b
¶16101247
IDC Error ellipse: s-maj=54.4km s-min=44.0km az=37.0.
IDC VI 20 03 25 02.5–8.5 8.37S 130.02E 99–94 3.5b,3.3
¶16101519
IDC Error ellipse: s-maj=58.6km s-min=42.5km az=19.0.
ISC VI 30 17 46 11.8–.66 6.47S–.05 131.32E–.06 42 27 2-69
IDC VI 30 17 46 07.3–1.4 6.41S 131.33E 0 4.3,4.3L ¶15156333
ISCJB VI 30 17 46 11.1–.44 6.51S–.03 131.49E–.05 42 3.9b,4.3L
AUST VI 30 17 46 12.3 6.47S 131.54E 35 3.9b,4.3L
DJA VI 30 17 46 14.3–.40 6S–6.0 131E–5.0 143–14 7.1,5.7b
ISC Event type ke.
ISCJB Event type ke.

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IDC I 04 00 20 12.8–2.2 10.63S 110.50E 0 4.0,3.9b
DJA I 04 00 20 31 9.42S 111.25E 176 3.8,3.9b ¶12080021
IDC Error ellipse: s-maj=112.7km s-min=18.8km az=49.0.
IDC I 06 10 28 58.2–2.3 11.02S 113.11E 0 3.7,3.7
DJA I 06 10 29 01 11.20S 112.66E 33 4.3,3.7 ¶12080493
IDC Error ellipse: s-maj=104.2km s-min=21.2km az=47.0.
IDC I 06 12 07 24.5–2.6 11.77S 112.03E 0 3.9,3.8b
DJA I 06 12 07 30 10.96S 112.76E 10 4.3,3.8b ¶12080504
IDC Error ellipse: s-maj=121.2km s-min=15.1km az=46.0.
IDC I 09 05 37 57.8–2.8 9.79S 110.91E 0 4.0,3.7L
DJA I 09 05 37 59 10.11S 110.31E 10 4.0,3.7L ¶12080809
IDC Error ellipse: s-maj=120.5km s-min=21.9km az=50.0.
ISC I 16 07 43 32.8–2.0 9.4S–.20 110.1E–.10 35 4.0b 9 2-67
IDC I 16 07 43 22.3–40 9.90S 111.03E 0 3.9b,3.9 ¶12081418

DJA I 16 07 43 45 8.88S 110.59E 26 3.9,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=892.8km s-min=196.1km az=157.0.
ISC I 19 02 37 04.5–.91 9.2S–.10 111.53E–.07 58 3.9b 21 1-67
IDC I 19 02 36 57.2–1.5 9.21S 111.56E 0 4.0,3.9 ¶12081697
ISCJB I 19 02 37 02.5–.75 9.36S–.08 111.45E–.07 58 3.9b,3.9
DJA I 19 02 37 03 9.20S 111.52E 10 3.9,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=59.9km s-min=16.0km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=7.3km az=33.2.
IDC I 22 12 17 18.5–2.0 9.21S 112.41E 0 3.8,3.6b
DJA I 22 12 17 28 9.32S 112.45E 36 3.9,3.6b ¶12082052
IDC Error ellipse: s-maj=145.3km s-min=26.1km az=47.0.
IDC I 30 06 21 21.5–3.1 9.41S 110.14E 0 3.6,3.4b
DJA I 30 06 21 30 9.05S 110.72E 15 3.6,3.4b ¶12082722
IDC Error ellipse: s-maj=156.1km s-min=28.7km az=48.0.
ISC I 31 12 16 36.2–.84 9.1S–.10 109.67E–.08 35 4.2b 32 1-118
DJA I 31 12 16 30 9.58S 109.74E 10 4.2 ¶12082820
NEIC I 31 12 16 36.8–.71 8.92S 109.64E 35 4.4b
IDC I 31 12 16 46.6–10 8.92S 109.76E 128–95 3.7,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=43.4km s-min=8.1km az=51.0.
IDC Error ellipse: s-maj=84.6km s-min=19.5km az=52.0.
ISC II 03 07 14 09.4–1.4 10.0S–.10 108.3E–.10 25 3.6b 10 3-61
IDC II 03 07 14 08.9–3.5 9.25S 109.04E 0 3.9,3.7 ¶12699450
DJA II 03 07 14 10 9.98S 108.37E 50 4.5,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=156.1km s-min=21.1km az=50.0.
IDC II 05 14 39 53.6–1.8 10.56S 106.90E 0 4.1,4.0
DJA II 05 14 39 52 10.39S 107.05E 10 4.7,4.0 ¶12699604
IDC Error ellipse: s-maj=86.5km s-min=15.9km az=51.0.
IDC II 07 13 39 22.0–1.4 9.04S 113.22E 51–11 3.9L,3.7
DJA II 07 13 39 19 9.33S 113.17E 16 4.1,3.7 ¶12699728
IDC Error ellipse: s-maj=44.4km s-min=17.4km az=54.0.
IDC II 09 22 16 51.1–3.0 9.15S 113.19E 0 3.4,3.3
DJA II 09 22 16 58 9.29S 113.09E 25 3.7,3.3 ¶12699873
IDC Error ellipse: s-maj=167.3km s-min=27.0km az=47.0.
ISC II 15 12 03 53.6–.83 11.24S–.08 111.22E–.07 35 4.0b 39 3-69
IDC II 15 12 03 50.0–2.8 11.10S 111.32E 0 4.0,3.9 ¶12700789
NEIC II 15 12 03 51.3–.77 11.17S 111.08E 10 4.0b,3.9
ISCJB II 15 12 03 52.6–.55 11.13S–.04 111.15E–.05 33 4.0b,3.9
DJA II 15 12 03 57 10.93S 111.24E 61 4.8,3.9
ISC Event type se.
IDC Error ellipse: s-maj=135.7km s-min=16.8km az=49.0.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=9.2km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=154.4.
ISC II 18 02 41 30.5–1.1 11.39S–.08 113.56E–.08 35 3.8b 16 3-70
ISCJB II 18 02 41 29.7–.87 11.34S–.05 113.50E–.07 33 3.8b,3.8s ¶12701090
IDC II 18 02 41 33.9–2.1 11.61S 114.31E 0 4.1,3.9
DJA II 18 02 41 35.4–1.3 11S–19 114E–8.0 115–64 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
DJA II 19 15 31 08.2–.80 10S–7.0 113E–3.0 10 4.0,4.0
¶15821919
ISC III 09 12 53 15.7–.40 10.04S–.04 112.84E–.04 39–3 4.6b,3.5s 125 2-150
IDC III 09 12 53 11.3–.76 9.66S 113.14E 0 4.4,4.4 ¶15153114
ISCJB III 09 12 53 14.9–.50 10.04S–.03 112.85E–.03 54–4 4.6b,3.5s
AUST III 09 12 53 14.9 10.44S 112.88E 20 4.6b,3.5s
DJA III 09 12 53 15.6–.80 10S–3.0 113E–2.0 11–7 5.4b,5.0b
BJI III 09 12 53 15.5 9.70S 112.80E 40 5.0b,4.7b
NEIC III 09 12 53 15.9–.32 9.82S 112.96E 35 4.9b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=11.4km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=19.1.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.6km az=219.0.
ISC III 10 16 50 30.9–1.5 9.4S–.10 111.91E–.08 40 3.1b 12 1-62
IDC III 10 16 50 26.2–3.0 8.76S 112.34E 0 3.1,3.0 ¶12702892
ISCJB III 10 16 50 31.4–1.2 9.39S–.08 112.00E–.08 40 3.0b,3.0
DJA III 10 16 50 33.4–1.2 9S–9.0 112E–6.0 29–16 3.3,3.3
ISC Event type ke.
ISCJB Event type ke.
IDC III 10 19 07 43.4–2.4 10.87S 110.28E 0 3.8,3.7L
¶12702905
IDC Error ellipse: s-maj=123.3km s-min=16.7km az=48.0.
ISC III 16 22 11 21.9–1.1 9.09S–.08 107.31E–.07 21 3.4b 18 2-57
ISCJB III 16 22 11 19.4–.84 9.24S–.06 107.18E–.07 21 3.5b ¶12703463
IDC III 16 22 11 20.7–3.8 8.89S 107.74E 0 3.8,3.7L
DJA III 16 22 11 22.8–.40 9S–4.0 107E–3.0 40–30 4.5b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC III 19 11 49 58.5–.94 9.2S–.10 113.10E–.07 63 3.5b 13 1-62
IDC III 19 11 49 51.5–2.2 8.91S 113.29E 0 3.6,3.5 ¶12703674
ISCJB III 19 11 49 57.8–.78 9.26S–.09 113.12E–.09 63 3.4b,3.5
DJA III 19 11 50 00.3–.80 9S–8.0 113E–3.0 10 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC III 29 08 25 05.3–.72 9.49S–.07 113.46E–.05 26 4.3b,3.4s 36 1-117
IDC III 29 08 24 59.0–.84 9.36S 113.29E 0 4.3,4.2 ¶15153466
ISCJB III 29 08 25 04.2–.40 9.60S–.05 113.43E–.04 26 4.2b,3.4s
AUST III 29 08 25 05.6 9.45S 113.40E 35 4.2b,3.4s
DJA III 29 08 25 06.1–2.3 9S–10 113E–2.0 15–17 5.5b,5.3b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 05 22 00 59.7–1.3 9.4S–.10 111.73E–.07 35 3.5b 12 1-67
IDC IV 05 22 00 56.8–2.8 8.51S 112.56E 0 3.6,3.5 ¶12934536
ISCJB IV 05 22 00 57.9–.99 9.52S–.09 111.71E–.09 33 3.5b,3.5
DJA IV 05 22 00 59.5–1.0 9S–9.0 112E–5.0 50 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC IV 06 01 36 35.9–1.1 9.5S–.10 111.70E–.08 40 3.8b 12 1-87
IDC IV 06 01 36 31.6–1.6 8.95S 112.08E 0 3.9,3.8 ¶12934691
ISCJB IV 06 01 36 34.5–.92 9.48S–.09 111.66E–.09 40 3.8b,3.8
DJA IV 06 01 36 34.1–2.6 9S–40 112E–7.0 124–34 3.6,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC IV 08 13 03 04.4–.96 9.1S–.10 113.62E–.06 73 3.4b 12 1-62
IDC IV 08 13 02 55.2–2.2 9.27S 113.27E 0 3.6,3.5 ¶12934803
ISCJB IV 08 13 03 03.5–.72 9.18S–.09 113.61E–.08 73 3.3b,3.5
DJA IV 08 13 03 05.3–2.2 9S–21 114E–4.0 26–17 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC IV 13 02 21 47.4–1.1 9.27S–.09 113.51E–.05 73 3.4b 25 1-62
IDC IV 13 02 21 39.8–2.7 9.02S 113.75E 0 3.5,3.4 ¶12935225
ISCJB IV 13 02 21 46.2–.78 9.30S–.07 113.45E–.06 73 3.3b,3.4
DJA IV 13 02 21 46.1–1.5 9S–7.0 113E–4.0 21–14 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC IV 17 19 16 15.0–3.1 9.89S 111.64E 0 3.3,3.2
¶16152942
IDC Error ellipse: s-maj=161.6km s-min=28.6km az=46.0.
ISC IV 28 19 29 59.9–.76 10.71S–.08 113.68E–.04 23 4.0b 49 2-118
IDC IV 28 19 29 56.8–1.1 10.51S 113.90E 0 4.1,4.0 ¶12936345
ISCJB IV 28 19 29 57.2–.49 10.81S–.04 113.67E–.03 23 4.0b,2.9s
DJA IV 28 19 30 02.3–.50 11S–4.0 114E–2.0 70–11 5.2b,4.6b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 29 10 49 30.0–.83 9.71S–.07 108.34E–.06 27 3.8b 19 2-61
IDC IV 29 10 49 27.2–3.0 9.51S 108.44E 0 3.7,3.6 ¶15154017
ISCJB IV 29 10 49 28.2–.59 9.70S–.07 108.28E–.05 27 3.9b,3.6
AUST IV 29 10 49 30.3 9.87S 108.34E 35 3.9b,3.6
DJA IV 29 10 49 37.1–1.6 8S–19 109E–7.0 187–18 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC IV 29 16 28 56.0–1.3 9.2S–.10 110.47E–.06 51 3.5b 18 1-61
IDC IV 29 16 28 50.0–3.4 8.94S 110.65E 0 3.7,3.6 ¶12936406
DJA IV 29 16 28 51.7–1.3 9S–7.0 110E–3.0 11–13 3.8,3.8
ISCJB IV 29 16 28 53.7–.92 9.34S–.07 110.44E–.06 51 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
DJA IV 29 16 44 09.5–3.4 9S–26 113E–11 10 3.7,3.7
¶15852925
IDC V 01 07 53 56.3–4.2 10.75S 110.68E 0 3.5,3.3
¶16154693
IDC Error ellipse: s-maj=219.3km s-min=28.9km az=46.0.
ISC V 04 03 40 46.3–.59 8.86S–.06 106.09E–.05 35 4.4s,4.3b 57 2-152
AUST V 04 03 39 31.5–99 7.37S 111.93E 65–1 4.4s,4.3b ¶13678313
BJI V 04 03 40 37.6 9.62S 106.46E 30 4.9b,4.7b
IDC V 04 03 40 42.2–.90 8.64S 106.22E 0 4.3,4.2
DJA V 04 03 40 43.4–2.1 9S–5.0 106E–3.0 22–31 4.8b,4.6
ISCJB V 04 03 40 43.3–.47 8.95S–.04 106.04E–.04 33 4.3b,4.2s
NEIC V 04 03 40 47.0–.55 8.71S 106.13E 35 4.6b,4.2s
ISC Event type se.
AUST Error ellipse: s-maj=15.4km s-min=2.8km az=38.0.
IDC Error ellipse: s-maj=33.5km s-min=21.3km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.6km az=145.6.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.4km az=148.0.
ISC V 07 23 41 01.9–1.0 9.64S–.09 112.84E–.06 35 4.2b 17 1-68
IDC V 07 23 40 56.1–3.1 9.56S 112.67E 0 4.0,4.0 ¶13678530
ISCJB V 07 23 41 01.0–.85 9.68S–.07 112.85E–.06 33 4.0b,4.0
DJA V 07 23 41 04.7–2.2 9S–14 113E–5.0 21–17 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC V 10 11 14 03.7–2.3 9.88S–.08 110.46E–.05 1–17 3.9b 24 2-62
IDC V 10 11 14 05.5–2.7 9.69S 110.52E 0 3.9,3.7 ¶15154249
AUST V 10 11 14 07.2 10.40S 110.35E 35 3.9,3.7
DJA V 10 11 14 16.6–.70 10S–5.0 111E–4.0 10 4.0,4.0
ISC Event type ke.
ISC V 17 14 03 43.1–1.6 9.7S–.10 112.80E–.05 53–17 3.7b 25 2-68
IDC V 17 14 03 35.8–1.6 9.67S 112.55E 0 3.7,3.6 ¶13679116
ISCJB V 17 14 03 42.7–.97 9.64S–.08 112.79E–.05 69–11 3.5b,3.6
DJA V 17 14 03 44.5–1.1 10S–5.0 113E–2.0 29–12 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC V 18 01 49 05.5–.88 9.58S–.08 112.86E–.05 36 3.9b,3.1s 23 1-68
IDC V 18 01 49 00.0–2.4 9.41S 112.84E 0 3.9,3.8 ¶13679151
ISCJB V 18 01 49 04.7–.69 9.63S–.06 112.87E–.05 36 3.8b,3.6s
DJA V 18 01 49 09.2–1.8 9S–6.0 113E–3.0 36–19 4.1,4.1
ISC Event type ke.
ISCJB Event type ke.
ISC V 20 19 20 20.7–1.0 10.79S–.06 113.35E–.06 25 22 3-17
AUST V 20 19 20 06.9–.04 9.33S 114.93E 56–0 ¶15154433
ISCJB V 20 19 20 19.0–.63 10.83S–.04 113.31E–.05 25
DJA V 20 19 20 24.3–.80 10S–7.0 113E–3.0 10 3.8,3.8
ISC Event type ke.
ISCJB Event type ke.
DJA V 21 08 08 41.0–1.0 9S–5.0 112E–4.0 22–12 3.5,3.5
¶15852977
ISC V 26 01 23 47.4–.51 9.05S–.07 113.63E–.04 73 4.1b 48 1-116
ISCJB V 26 01 23 45.9–.36 9.27S–.04 113.60E–.03 73 3.9b ¶15155517
AUST V 26 01 23 45.1 9.45S 113.40E 35 3.9b
DJA V 26 01 23 46.4–1.1 9S–7.0 114E–3.0 23–10 4.9b,4.9b
IDC V 26 01 23 47.0–.70 9.01S 113.68E 71–6 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=19.2.
IDC Error ellipse: s-maj=21.6km s-min=13.2km az=49.0.
ISC V 26 17 28 08.5–1.4 8.55S–.06 106.85E–.06 35 14 1-7
AUST V 26 17 28 07.5–8.0 8.51S 106.80E 18–0 ¶15155531
ISCJB V 26 17 28 08.0–.77 8.50S–.06 106.83E–.07 33
DJA V 26 17 28 16.5–1.4 8S–8.0 107E–13 25 3.4,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC V 27 15 27 51.1–.86 9.76S–.09 107.61E–.06 10 3.3b 12 2-61
AUST V 27 15 27 51.3–53 9.91S 107.69E 0–0 3.3b ¶15155543
IDC V 27 15 27 55.6–2.5 9.34S 108.71E 0 3.6,3.5
ISC Event type ke.
AUST Error ellipse: s-maj=2.3km s-min=0.9km az=336.0.
IDC Error ellipse: s-maj=125.8km s-min=24.0km az=49.0.
ISC V 28 09 18 22.5–.81 8.56S–.06 106.84E–.08 35 4.0b 22 1-69
IDC V 28 09 18 16.7–2.3 8.67S 106.66E 0 4.0,4.0 ¶15155550
AUST V 28 09 18 18.7–1.6 8.24S 106.41E 106–0 4.0,4.0
ISCJB V 28 09 18 20.9–.50 8.55S–.05 106.82E–.06 33 3.9b,4.0
DJA V 28 09 18 27.6–1.5 8S–8.0 107E–5.0 18–15 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VI 03 17 46 03.7–1.2 9.27S–.09 110.41E–.07 35 3.5b 20 1-67
IDC VI 03 17 45 56.8–3.3 9.43S 110.04E 0 3.7,3.6 ¶13680356
ISCJB VI 03 17 46 01.5–.93 9.46S–.07 110.32E–.07 33 3.5b,3.6
DJA VI 03 17 46 05.1–1.2 9S–5.0 110E–4.0 22–11 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VI 04 05 37 40.9–1.0 9.32S–.08 110.42E–.06 35 3.9b 25 1-67
IDC VI 04 05 37 35.2–2.1 9.16S 110.39E 0 4.0,3.9 ¶13680442
ISCJB VI 04 05 37 38.8–.72 9.44S–.05 110.36E–.05 33 3.9b,3.9
DJA VI 04 05 37 40.3–.70 9S–5.0 111E–4.0 10 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC VI 05 12 11 53.6–.78 9.29S–.09 109.27E–.06 35 4.0b,3.3s 25 2-85
IDC VI 05 12 11 48.3–.87 9.15S 109.35E 0 4.1b,4.1 ¶13680554
ISCJB VI 05 12 11 51.5–.60 9.38S–.05 109.24E–.05 33 4.0b,3.4s
DJA VI 05 12 11 51.6–.50 9S–4.0 109E–2.0 12 4.3,4.3
ISC Event type ke.
ISCJB Event type ke.
ISC VI 08 06 14 12.1–.74 9.69S–.07 108.39E–.05 27 3.9b 32 2-144
IDC VI 08 06 14 08.8–2.8 9.69S 108.32E 0 4.0,3.9 ¶15155913
ISCJB VI 08 06 14 10.9–.47 9.67S–.05 108.47E–.04 27 3.8b,3.9
DJA VI 08 06 14 11.1–.50 10S–4.0 109E–3.0 15 5.9b,5.5
AUST VI 08 06 14 12.0 9.87S 108.34E 100 5.9b,5.5
ISC Event type ke.
IDC Error ellipse: s-maj=131.3km s-min=18.4km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=154.2.
DJA VI 13 17 13 39.2–1.4 9S–10 111E–5.0 18–9 3.7,3.7
¶15853035
DJA VI 14 18 25 50.3–1.1 9S–5.0 111E–5.0 11–10 3.5,3.5
¶15853038
ISC VI 18 16 38 56.5–1.9 11.75S–.06 113.84E–.05 26–13 4.1b 55 3-152
IDC VI 18 16 38 52.5–.55 11.76S 113.76E 0 4.1,4.1 ¶15156194
AUST VI 18 16 38 55.2 11.94S 113.86E 30 4.1,4.1
ISCJB VI 18 16 38 56.6–.96 11.70S–.05 113.91E–.05 40–9 4.0b,3.2s
DJA VI 18 16 39 02.7–1.1 11S–17 114E–4.0 15–22 4.7,4.7
ISC Event type ke.
ISCJB Event type ke.
ISC VI 20 18 09 22.2–1.0 9.27S–.07 107.86E–.06 27–6 4.0b 34 2-81
DJA VI 20 18 09 19.9–1.0 9S–5.0 108E–3.0 11–10 4.4b,4.3 ¶13681738
ISCJB VI 20 18 09 20.5–1.1 9.41S–.07 107.76E–.05 38–10 3.8b,4.3
IDC VI 20 18 09 22.6–1.1 9.16S 107.92E 30–5 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=7.7km az=26.7.
IDC Error ellipse: s-maj=41.9km s-min=14.7km az=57.0.
IDC VI 23 14 08 07.5–8.7 9.93S 111.99E 0 3.5,3.3
¶16101654
IDC Error ellipse: s-maj=146.3km s-min=121.7km az=166.0.
IDC VI 26 15 43 58.9–1.2 9.34S 108.76E 0 3.9,3.9

¶16101750

IDC Error ellipse: s-maj=62.2km s-min=15.1km az=51.0.

(283) Bali region.

ISC	**I**	**18 06 47 51.1–.60**	**8.97S–.08**	**114.61E–.06**	**101**	**3.7b**	**36**	**1-155**
ISCJB	I	18 06 47 49.2–.48	8.95S–.07	114.60E–.04	101	3.7b		**¶12081613**
DJA	I	18 06 47 50	9.23S	114.52E	36	4.6		
IDC	I	18 06 47 53.6–2.8	8.79S	114.78E	118–23	3.8,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.6km az=6.0.
IDC Error ellipse: s-maj=25.4km s-min=9.9km az=43.0.

IDC	**II**	**08 17 32 06.6–3.8**	**8.22S**	**115.84E**	**0**	**3.2,3.1**	

¶15955225

IDC Error ellipse: s-maj=280.9km s-min=26.8km az=49.0.

DJA	**V**	**20 17 19 10.6–.60**	**9S–9.0**	**115E–3.0**	**92–6**	**3.7b,3.4**	

¶15852972

(284) South of Bali.

ISC	**I**	**20 12 34 34.9–.35**	**10.66S–.04**	**115.06E–.05**	**38–1**	**5.0b,4.2s**	**328**	**2-153**
BJI	I	20 12 34 25.7	11.46S	115.50E	35	5.2b,4.8s		**¶11613353**
IDC	I	20 12 34 29.9–.53	10.54S	115.04E	0	4.7,4.7		
MOS	I	20 12 34 32.9–.96	10.48S	115.16E	33	5.2b,4.7		
ISCJB	I	20 12 34 34.7–.57	10.58S–.04	115.04E–.04	50–4	4.9b,4.1s		
NEIC	I	20 12 34 34.0–.29	10.69S	115.03E	31	5.1b,4.1s		
DJA	I	20 12 34 37	10.60S	114.95E	49	4.9b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=13.6km az=68.0.
MOS Error ellipse: s-maj=16.6km s-min=7.2km az=116.6.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.9km az=33.1.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=5.7km az=51.0.

ISC	**I**	**20 12 48 36.1–1.8**	**10.6S–.30**	**115.7E–.30**	**35**	**4.0b**	**10**	**7-125**
IDC	I	20 12 48 32.8–1.6	10.30S	115.32E	0	3.9,3.8		**¶12081867**
DJA	I	20 12 48 36	10.75S	114.90E	56	4.0,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=63.1km s-min=18.6km az=50.0.

IDC	**I**	**20 13 47 52.8–2.6**	**10.32S**	**115.36E**	**0**	**3.8,3.7**		
DJA	I	20 13 48 00	10.40S	114.87E	93	3.7,3.7		**¶12081869**

IDC Error ellipse: s-maj=192.8km s-min=16.6km az=48.0.

ISC	**I**	**20 21 09 35.2–.47**	**10.69S–.06**	**115.07E–.06**	**31**	**4.5b**	**104**	**2-149**
BJI	I	20 21 09 28.4	11.21S	115.49E	35	4.6b		**¶12081899**
IDC	I	20 21 09 31.5–.76	10.46S	115.14E	0	4.4,4.4		
ISCJB	I	20 21 09 33.2–.34	10.74S–.04	115.01E–.04	31	4.6b,4.4		
DJA	I	20 21 09 35	10.73S	114.98E	20	4.6,4.4		
NEIC	I	20 21 09 36.0–.26	10.61S	115.07E	35	4.5b,4.4		

ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=15.4km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=42.1.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.8km az=47.0.

IDC	**II**	**18 12 53 04.0–2.4**	**11.48S**	**114.25E**	**0**	**3.7L,3.6**	

¶15956559

IDC Error ellipse: s-maj=116.8km s-min=21.3km az=45.0.

AUST	**III**	**10 07 53 25.6**	**9.97S**	**115.92E**	**200**		

¶15153154

ISC	**IV**	**10 06 20 13.5–1.6**	**9.7S–.10**	**115.7E–.10**	**29**		**11**	**1-33**
IDC	IV	10 06 19 47.7–12	7.72S	114.45E	0	3.7,3.5		**¶15850448**
ISCJB	IV	10 06 20 12.0–.86	9.91S–.09	115.6E–.10	29	3.6b,3.5		
DJA	IV	10 06 20 16.7–1.5	9S–16	116E–6.0	81–9	3.9,3.9		

ISC Event type ke.
ISCJB Event type ke.

IDC	**IV**	**29 16 04 54.5–3.9**	**11.83S**	**115.61E**	**0**	**3.3,3.2**	

¶16154631

IDC Error ellipse: s-maj=220.6km s-min=26.9km az=45.0.

ISC	**VI**	**14 10 47 07.4–.79**	**9.09S–.07**	**115.46E–.04**	**98**	**3.9b**	**27**	**0-144**
ISCJB	VI	14 10 47 06.4–.47	9.04S–.06	115.49E–.04	98	3.9b		**¶15156102**
AUST	VI	14 10 47 07.1–.00	9.12S	115.52E	81–0	3.9b		
DJA	VI	14 10 47 07.4–.60	9S–8.0	115E–3.0	100–6	4.4b,4.4b		
IDC	VI	14 10 47 08.1–2.5	8.75S	115.35E	136–20	3.8,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.6km az=19.5.
AUST Error ellipse: s-maj=1.8km s-min=1.0km az=7.0.
IDC Error ellipse: s-maj=25.9km s-min=10.3km az=48.0.

ISC	**VI**	**20 18 40 13.2–.87**	**9.38S–.09**	**114.16E–.04**	**31**	**3.5b**	**16**	**1-34**
IDC	VI	20 18 40 13.5–7.5	9.33S	114.11E	44–57	3.7,3.6		**¶13681740**
DJA	VI	20 18 40 14.0–1.8	10S–15	114E–5.0	23–16	3.8,3.8		

ISC Event type ke.

(285) Sumbawa region.

IDC	**I**	**04 17 54 24.9–2.3**	**9.65S**	**118.78E**	**0**	**3.9,3.8s**		
DJA	I	04 17 54 29	9.57S	118.94E	10	4.0,3.8s		**¶12080254**

IDC Error ellipse: s-maj=144.7km s-min=24.1km az=51.0.

ISC	**I**	**13 03 59 41.4–1.2**	**9.8S–.30**	**118.3E–.20**	**37**	**4.1b**	**7**	**2-70**
DJA	I	13 03 59 48	10.03S	117.70E	56	4.3		**¶12081167**
IDC	I	13 04 00 01.4–4.6	8.92S	119.01E	184–45	3.4b,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=11.5km az=57.0.

IDC	**I**	**31 17 49 40.4–2.3**	**8.93S**	**118.31E**	**0**	**4.0L,3.8**	
DJA	I	31 17 46 51	9.00S	110.70E	40	3.1,3.8		**¶12082846**

IDC Error ellipse: s-maj=170.5km s-min=19.7km az=55.0.

IDC	**II**	**02 11 45 36.0–3.6**	**9.77S**	**117.05E**	**0**	**3.2,3.1**	

¶15954892

IDC Error ellipse: s-maj=256.4km s-min=26.4km az=48.0.

IDC	**II**	**06 01 43 49.1–4.2**	**8.87S**	**118.26E**	**97–35**	**3.5,3.5**	
DJA	II	06 01 43 47	8.87S	118.21E	10	4.9,3.5		**¶12699637**

IDC Error ellipse: s-maj=41.1km s-min=11.6km az=58.0.

IDC	**II**	**07 05 29 49.2–2.8**	**8.45S**	**118.69E**	**164–23**	**3.2,3.1**	

¶15955168

IDC Error ellipse: s-maj=52.2km s-min=12.1km az=54.0.

ISC	**II**	**08 17 00 58.5–.61**	**8.61S–.06**	**118.35E–.06**	**152**	**4.0b**	**27**	**2-121**
ISCJB	II	08 17 00 56.9–.44	8.57S–.05	118.35E–.05	152	3.8b		**¶12699791**
IDC	II	08 17 00 56.1–1.9	8.64S	118.21E	127–16	3.7,3.6		
DJA	II	08 17 00 58	8.62S	118.34E	128	4.7,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.6km az=141.1.
IDC Error ellipse: s-maj=25.5km s-min=10.9km az=73.0.

ISC	**II**	**26 01 46 28.4–.99**	**9.56S–.10**	**116.48E–.07**	**33**		**25**	**1-64**
IDC	II	26 01 46 21.6–1.7	9.23S	116.47E	0	3.7,3.5		**¶12701884**
ISCJB	II	26 01 46 27.4–.64	9.67S–.07	116.47E–.05	33	3.4b,3.5		
DJA	II	26 01 46 29	9.54S	116.43E	15	4.2,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=42.4km s-min=23.2km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.0km az=24.8.

IDC	**II**	**26 05 06 35.8–1.6**	**9.08S**	**118.90E**	**0**	**3.7,3.6**	

¶15957338

IDC Error ellipse: s-maj=56.9km s-min=23.4km az=62.0.

IDC	**II**	**28 19 40 13.8–1.7**	**9.58S**	**117.33E**	**0**	**3.6,3.5**	

¶15957546

IDC Error ellipse: s-maj=59.4km s-min=21.3km az=58.0.

ISC	**III**	**04 18 55 28.1–.77**	**8.79S–.06**	**118.76E–.05**	**102**	**3.8b**	**26**	**2-118**
IDC	III	04 18 55 22.7–1.1	8.90S	119.06E	0	3.9,3.8		**¶15153045**
ISCJB	III	04 18 55 26.5–.41	8.82S–.05	118.71E–.04	102	3.7b,3.8		
AUST	III	04 18 55 26.1–.71	8.85S	118.81E	64–0	3.7b,3.8		
DJA	III	04 18 55 28.1–5.9	9S–5.0	119E–3.0	33–74	4.9b,4.8b		

ISC Event type ke.
ISCJB Event type ke.

ISC	**III**	**11 02 53 32.6–1.2**	**8.3S–.20**	**117.55E–.09**	**145**	**3.2b**	**16**	**2-68**
IDC	III	11 02 53 16.4–2.7	7.67S	117.40E	0	3.5,3.5s		**¶12702941**
DJA	III	11 02 53 36.2–.70	8S–10	117E–3.0	139–14	4.6b,3.9		

ISC Event type ke.

ISC	**III**	**15 00 51 48.6–.74**	**8.04S–.07**	**116.37E–.05**	**205–7**	**3.7b**	**29**	**1-116**
ISCJB	III	15 00 51 48.0–.42	7.97S–.06	116.32E–.05	212–5	3.7b		**¶12703309**
IDC	III	15 00 51 51.8–1.9	7.87S	116.61E	236–17	3.4,3.3b		
DJA	III	15 00 51 55.9–.50	8S–9.0	116E–3.0	159–7	3.6,3.6		

ISC Event type ke.
ISCJB Event type ke.

DJA	**III**	**15 15 27 22.3–1.9**	**9S–33**	**117E–27**	**156–40**	**3.7,3.7**		

¶15850297

IDC	**III**	**16 01 07 44.7–2.6**	**8.30S**	**117.99E**	**0**	**3.7,3.6L**		

¶12703388

IDC Error ellipse: s-maj=76.4km s-min=25.9km az=66.0.

ISC	**III**	**17 21 44 33.1–1.1**	**9.54S–.06**	**118.4E–.10**	**10**		**19**	**2-69**
IDC	III	17 21 44 32.2–1.8	9.54S	118.28E	0	4.2,4.0b		**¶15153239**
DJA	III	17 21 44 35.7–.60	9S–5.0	118E–2.0	122–12	5.2b,4.5		
AUST	III	17 21 44 48.4–10	10.63S	118.87E	13–1	5.2b,4.5		

ISC Event type ke.
IDC Error ellipse: s-maj=69.0km s-min=20.8km az=62.0.
AUST Error ellipse: s-maj=2.8km s-min=1.2km az=308.0.

IDC	**III**	**20 05 25 33.2–4.8**	**9.09S**	**118.71E**	**82–44**	**3.7L,3.7**	

¶12703780

IDC Error ellipse: s-maj=65.1km s-min=14.2km az=73.0.

ISC	**IV**	**06 10 23 29.5–1.2**	**9.48S–.10**	**117.73E–.06**	**124**		**16**	**2-64**
ISCJB	IV	06 10 23 29.4–.77	9.54S–.10	117.67E–.05	124	3.2b		**¶12934653**
DJA	IV	06 10 23 32.4–.90	9S–11	118E–4.0	71–28	4.9b,4.5		
IDC	IV	06 10 23 33.5–1.7	9.51S	118.95E	0	3.5,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=6.5km az=12.6.
IDC Error ellipse: s-maj=75.3km s-min=21.1km az=59.0.

ISC	**IV**	**06 19 26 09.9–1.6**	**8.7S–.10**	**118.4E–.20**	**152**		**11**	**2-64**
IDC	IV	06 19 26 08.5–2.9	8.73S	118.29E	131–26	3.0,2.9		**¶15153586**
AUST	IV	06 19 26 17.2	8.99S	118.96E	100	3.0,2.9		

ISC Event type ke.
IDC Error ellipse: s-maj=49.9km s-min=13.5km az=52.0.

ISC	**IV**	**09 11 30 38.5–.86**	**9.53S–.07**	**117.93E–.05**	**71–9**	**3.8b**	**29**	**2-69**
IDC	IV	09 11 30 39.1–.97	9.37S	117.68E	69–8	3.6,3.5		**¶16159029**
DJA	IV	09 11 30 42.8–.40	9S–5.0	118E–2.0	81–23	5.3b,4.9b		

ISC Event type ke.

ISC	**IV**	**22 14 12 15.1–1.4**	**8.80S–.09**	**116.7E–.10**	**10**		**10**	**4-116**
IDC	IV	22 14 12 12.0–2.1	8.77S	116.50E	0	3.9,3.8		**¶15153906**
AUST	IV	22 14 12 28.6	9.48S	116.94E	100	3.9,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=40.8km s-min=30.4km az=83.0.

IDC	**IV**	**30 09 02 57.8–9.4**	**8.06S**	**116.73E**	**278–46**	**3.3,3.2b**	

¶16154663

IDC Error ellipse: s-maj=126.1km s-min=90.1km az=50.0.

ISC	**V**	**03 21 30 08.1–.80**	**8.41S–.08**	**116.96E–.07**	**10**	**3.7b**	**16**	**4-68**
ISCJB	V	03 21 30 05.6–.65	8.36S–.05	117.00E–.06	10	3.7b		**¶15154087**
IDC	V	03 21 30 07.8–1.2	8.32S	117.26E	0	3.9,3.8		
AUST	V	03 21 30 09.2	8.48S	116.95E	20	3.9,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=7.8km az=16.6.
IDC Error ellipse: s-maj=40.4km s-min=17.3km az=60.0.

ISC	**V**	**04 10 51 53.4–.60**	**8.30S–.05**	**116.94E–.04**	**35**	**3.7b**	**34**	**1-145**
AUST	V	04 10 51 43.4	7.97S	115.95E	25	3.7b		**¶15154108**
ISCJB	V	04 10 51 52.3–.42	8.30S–.05	116.97E–.03	33	3.8b		
DJA	V	04 10 51 54.5–1.0	8S–6.0	117E–3.0	18–13	4.4b,4.2		
IDC	V	04 10 51 56.1–2.9	8.33S	117.17E	49–27	3.8,3.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=170.8.
IDC Error ellipse: s-maj=25.6km s-min=12.8km az=64.0.

IDC	**V**	**09 13 28 39.9–1.7**	**8.94S**	**117.36E**	**0**	**3.6,3.4**	

¶16155546

IDC Error ellipse: s-maj=39.2km s-min=14.5km az=50.0.

IDC	**V**	**21 09 58 46.0–2.2**	**9.72S**	**116.89E**	**0**	**3.4,3.3**	

¶16155985

IDC Error ellipse: s-maj=62.2km s-min=25.7km az=58.0.

ISC	**VI**	**04 17 51 24.0–.65**	**9.34S–.07**	**117.18E–.05**	**87**	**4.0b**	**33**	**2-115**
IDC	VI	04 17 51 20.1–.85	9.35S	117.01E	46–8	4.1L,4.0		**¶13680485**
DJA	VI	04 17 51 21.7–.30	10S–6.0	117E–2.0	50–15	5.5b,5.1b		
ISCJB	VI	04 17 51 22.1–.42	9.31S–.06	117.19E–.03	87	4.0b,5.1b		

ISC Event type ke.
ISCJB Event type ke.

IDC	**VI**	**04 18 16 23.5–2.5**	**9.45S**	**116.89E**	**0**	**3.5,3.4**	

¶16100957

IDC Error ellipse: s-maj=196.2km s-min=22.6km az=51.0.

ISC	**VI**	**07 05 25 25.3–.25**	**8.49S–.03**	**118.39E–.03**	**146–1**	**5.2b**	**787**	**2-167**
MOS	VI	07 05 25 20.5–1.2	8.25S	118.36E	108	5.3b		**¶15155847**
AUST	VI	07 05 25 24.1–.17	8.58S	118.42E	123–0	5.3b		
BJI	VI	07 05 25 24.1	8.50S	118.40E	141	5.4b,5.2b		
IDC	VI	07 05 25 25.3–.96	8.37S	118.35E	142–7	4.8,4.8		
TEH	VI	07 05 25 25.0	8.52S	118.42E	142	5.1L,4.8		
ISCJB	VI	07 05 25 25.2–.29	8.50S–.02	118.37E–.02	162–2	5.1b,4.8		
NEIC	VI	07 05 25 25.7–.50	8.44S	118.39E	146–4	5.0b,4.8		
DJA	VI	07 05 25 26.5–.70	9S–17	118E–5.0	105–18	6.2,6.0b		
GCMT	VI	07 05 25 27.2–.20	8.60S	118.47E	146–1	5.2W,6.0b		

ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=5.7km az=113.4.
AUST Error ellipse: s-maj=0.6km s-min=0.5km az=27.0.
IDC Error ellipse: s-maj=11.0km s-min=7.0km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=35.2.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=56.0. Felt [IV] at Bima. Felt [II] at Labuhanbajo and Ruteng, Flores. Also felt at Denpasar, Bali.
GCMT Event type se. Data Used: ll IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s80,c110; s99,c184; Moment tensor: Scale 10^{16}Nm; M_{rr}4.60±.15 $M_{\theta\theta}$-1.14±.20; $M_{\phi\phi}$-3.46±.20; $M_{r\theta}$6.72±.12; $M_{\theta\phi}$4.86±.17; $M_{\phi r}$0.77±.14; Best double couple: NP1: ϕ_s352.00000°,δ39.00000°,λ150.00000°. NP2:ϕ_s106.00000°,δ72.00000°,λ55.00000°. Principal axes: T 9.9200,Plg51.0000°,Azm336.0000°; N -1.3800,Plg33.0000°,Azm119.0000°; P -8.5400,Plg19.0000°,Azm222.0000° $M_0$9.20000×10^{16}

IDC	**VI**	**09 03 28 40.8–10**	**8.93S**	**116.01E**	**130–112**	**3.5L,3.1**	

¶16101130

IDC Error ellipse: s-maj=148.2km s-min=39.6km az=49.0.

IDC	**VI**	**12 15 05 29.5–2.3**	**9.00S**	**118.59E**	**0**	**3.8,3.6**	

¶16101244

IDC Error ellipse: s-maj=148.7km s-min=21.5km az=55.0.

IDC	**VI**	**12 18 06 09.2–1.0**	**9.16S**	**117.99E**	**84–8**	**3.5,3.4**	

¶16101249

IDC Error ellipse: s-maj=23.4km s-min=12.8km az=78.0.

ISC	**VI**	**16 03 41 07.4–.39**	**8.59S–.04**	**118.43E–.03**	**152**	**4.1b**	**101**	**1-154**
ISCJB	VI	16 03 41 05.7–.24	8.56S–.03	118.36E–.02	152	4.3b		**¶15156153**
AUST	VI	16 03 41 05.0	8.99S	118.46E	100	4.3b		
NEIC	VI	16 03 41 06.0–1.1	8.57S	118.40E	133–9	4.7b		
DJA	VI	16 03 41 07.4–.50	9S–4.0	118E–2.0	105–12	5.0b,5.0		
IDC	VI	16 03 41 08.0–1.7	8.48S	118.55E	147–13	4.0,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.4km az=15.1.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=8.2km az=73.0.
IDC Error ellipse: s-maj=20.2km s-min=8.7km az=62.0.

DJA	**VI**	**16 19 28 44.1–2.2**	**10S–7.0**	**118E–3.0**	**10–22**	**4.5b,4.4**	

¶15853040

IDC	**VI**	**17 11 28 12.6–6.4**	**8.86S**	**118.79E**	**108–57**	**3.3,3.2b**	

¶16101433

IDC Error ellipse: s-maj=137.4km s-min=40.4km az=40.0.

ISC	**VI**	**19 02 25 16.3–.61**	**8.11S–.06**	**117.93E–.08**	**35**	**4.3b**	**24**	**3-145**
ISCJB	VI	19 02 25 14.3–.54	8.15S–.06	117.98E–.07	33	4.1b,3.0s		**¶15156216**
AUST	VI	19 02 25 16.4	7.99S	117.96E	35	4.1b,3.0s		
IDC	VI	19 02 25 16.3–5.5	8.17S	117.77E	37–48	4.0,3.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.5km az=155.4.
IDC Error ellipse: s-maj=45.6km s-min=13.6km az=71.0.

IDC	**VI**	**24 07 17 00.1–2.9**	**8.51S**	**118.43E**	**144–26**	**3.3,3.2b**	

¶16101684

IDC Error ellipse: s-maj=51.3km s-min=15.1km az=52.0.

IDC	**VI**	**25 10 03 22.7–3.3**	**8.06S**	**117.16E**	**0**	**3.6b,3.6**	

¶16101713

IDC Error ellipse: s-maj=392.9km s-min=25.8km az=54.0.
ISC VI 25 12 52 22.5–.71 9.28S–.05 117.23E–.04 77–8 4.1b 49 2-115
NEIC VI 25 12 52 21.5–.71 9.29S 116.94E 72–8 4.3b ¶13584554
IDC VI 25 12 52 21.0–3.7 9.34S 116.85E 69–28 3.9,3.9
DJA VI 25 12 52 23.4–1.9 9S–5.0 117E–2.0 28–23 5.4b,4.9b
ISC Event type se.
NEIC Event type se.
ISC VI 27 15 30 30.0–.73 9.65S–.07 116.33E–.04 38–1 4.3b 60 1-150
AUST VI 27 15 30 29.1 9.97S 116.43E 20 4.3b ¶15156293
ISCJB VI 27 15 30 31.0–.60 9.60S–.06 116.28E–.03 66–5 4.1b
DJA VI 27 15 30 34.3–.50 9S–6.0 116E–2.0 57–11 5.1b,4.8b
IDC VI 27 15 30 34.2–3.4 9.48S 116.48E 75–30 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.9km az=7.6.
IDC Error ellipse: s-maj=24.5km s-min=10.6km az=56.0.
ISC VI 27 19 28 06.2–1.1 8.07S–.06 118.5E–.10 35 3.8b 18 2-68
AUST VI 27 19 27 58.9–4.2 8.11S 118.10E 0–0 3.8b ¶15156295
IDC VI 27 19 28 01.6–1.3 8.09S 118.56E 0 3.9,3.8
ISC Event type ke.
AUST Error ellipse: s-maj=1.1km s-min=1.0km az=11.0.
IDC Error ellipse: s-maj=46.0km s-min=17.3km az=65.0.
ISC VI 29 20 59 55.8–.88 9.44S–.06 118.94E–.06 46 4.0b 25 0-118
ISCJB VI 29 20 59 54.6–.45 9.51S–.06 118.89E–.04 46 4.0b,2.7s ¶13682275
DJA VI 29 20 59 57.3–.30 9S–4.0 119E–3.0 65–5 4.7b,4.5
IDC VI 29 20 59 57.2–2.7 9.34S 118.99E 95–24 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.0km az=19.2.
IDC Error ellipse: s-maj=43.7km s-min=10.9km az=52.0.

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ISC I 03 20 20 37.4–.32 8.31S–.04 119.67E–.05 177–2 4.7b 152 1-154
BJI I 03 20 20 35.3 8.26S 119.93E 168 5.1b,4.7b ¶11526867
NEIC I 03 20 20 36.8–.77 8.16S 119.68E 175–8 5.0b,4.7b
ISCJB I 03 20 20 36.5–.31 8.32S–.03 119.64E–.03 176–4 4.8b,4.7b
IDC I 03 20 20 38.0–2.0 8.17S 119.78E 186–19 4.4,4.3
DJA I 03 20 20 38 8.32S 119.59E 140 5.6b,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.2km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.1km az=138.1.
IDC Error ellipse: s-maj=14.7km s-min=7.9km az=58.0.
IDC I 05 17 25 20.3–2.1 8.97S 120.98E 168–22 3.3b,3.2
¶12080396
IDC Error ellipse: s-maj=91.9km s-min=12.8km az=58.0.
IDC I 09 09 22 06.7–2.5 8.94S 120.36E 105–20 3.8,3.6b
DJA I 09 09 21 21 11.94S 118.34E 10 4.9,3.6b ¶12080825
IDC Error ellipse: s-maj=64.2km s-min=13.0km az=65.0.
IDC I 12 04 37 58.7–10 8.91S 123.89E 72–115 4.2,4.2s
¶12081088
IDC Error ellipse: s-maj=133.7km s-min=53.4km az=45.0.
IDC I 20 17 10 21.2–2.2 8.35S 120.32E 137–34 3.7b,3.6
¶12081880
IDC Error ellipse: s-maj=70.7km s-min=25.1km az=66.0.
IDC I 30 04 36 46.1–1.7 8.82S 123.52E 0 3.7,3.6L
¶12082714
IDC Error ellipse: s-maj=135.0km s-min=26.6km az=62.0.
IDC I 30 16 38 45.1–2.0 8.15S 120.45E 145–36 3.4,3.3b
¶12082749
IDC Error ellipse: s-maj=74.4km s-min=25.9km az=69.0.
ISC I 30 16 49 51.8–.56 8.45S–.04 120.05E–.06 32–4 4.7b,3.6s 75 1-154
BJI I 30 16 49 50.6 8.40S 120.00E 30 4.9b,4.8b ¶11657478
ISCJB I 30 16 49 53.0–.53 8.37S–.04 120.12E–.04 70–5 4.6b,4.8b
NEIC I 30 16 49 52.5–1.1 8.29S 120.18E 48–11 4.6b,4.8b
DJA I 30 16 49 54 8.46S 120.05E 32 5.0b,4.8b
IDC I 30 16 49 54.9–1.9 8.21S 120.22E 64–16 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.1km az=150.2.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.7km az=58.0.
IDC Error ellipse: s-maj=25.9km s-min=10.1km az=69.0.
IDC II 04 18 26 47.4–3.7 8.52S 123.38E 135–44 3.0,2.9
¶15955019
IDC Error ellipse: s-maj=140.8km s-min=20.5km az=56.0.
IDC II 09 15 13 46.9–8.5 8.48S 123.09E 239–75 3.3b,3.2
¶15955305
IDC Error ellipse: s-maj=109.1km s-min=69.3km az=69.0.
IDC II 11 05 40 35.1–2.3 8.02S 119.04E 197–20 3.1,3.0
¶15955406
IDC Error ellipse: s-maj=47.7km s-min=11.4km az=54.0.
ISC II 12 20 25 04.5–.31 8.33S–.04 121.35E–.04 217–2 4.8b 344 1-148
BJI II 12 20 24 54.9 9.28S 121.57E 214 5.0b,4.7b ¶11671999
MOS II 12 20 25 00.9–1.1 8.11S 121.44E 196 4.9b,4.7b
ISCJB II 12 20 25 02.5–.39 8.30S–.03 121.38E–.03 213–3 4.8b,4.7b
DJA II 12 20 25 03 8.45S 121.34E 188 5.1W,4.7b
IDC II 12 20 25 04.8–.50 8.25S 121.43E 217–4 4.5,4.5
NEIC II 12 20 25 05.1–.18 8.24S 121.37E 221 5.0b,4.5
ISC Event type se.
MOS Error ellipse: s-maj=11.7km s-min=6.4km az=124.1.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.9km az=136.3.
IDC Error ellipse: s-maj=10.5km s-min=5.8km az=56.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.0km az=52.0.
ISC II 19 06 09 26.6–1.4 8.45S–.09 119.5E–.30 150 12 1-64
IDC II 19 06 09 29.2–2.6 8.21S 119.96E 179–24 3.2,3.1 ¶12701214
DJA II 19 06 09 36.4–1.0 8S–5.0 119E–13 20 3.6,3.6
ISC Event type ke.
IDC II 21 23 29 04.8–3.3 8.32S 120.83E 166–28 2.8,2.7
¶15956905
IDC Error ellipse: s-maj=103.5km s-min=15.5km az=55.0.
IDC II 25 22 11 02.4–4.1 8.21S 123.98E 181–41 3.5,3.4
¶15957276
IDC Error ellipse: s-maj=94.6km s-min=15.2km az=59.0.
ISC II 28 01 24 38.9–.85 8.98S–.07 119.07E–.06 102 15 3-64
IDC II 28 01 24 29.6–2.2 8.58S 118.91E 0 3.7s,3.7 ¶12702064
ISCJB II 28 01 24 38.7–.56 8.88S–.06 118.98E–.04 102 3.5b,3.7
DJA II 28 01 24 45.6–1.2 8S–34 119E–4.0 103–36 4.3,4.3
ISC Event type ke.
ISCJB Event type ke.
IDC III 01 04 45 53.5–14 8.34S 123.17E 170–148 3.7L,3.2
¶12702162
IDC Error ellipse: s-maj=258.6km s-min=41.1km az=62.0.
IDC III 03 20 16 11.5–4.0 8.64S 123.64E 184–40 2.9,2.7b
¶12702382
IDC Error ellipse: s-maj=90.6km s-min=15.4km az=59.0.
ISC III 07 16 27 20.4–.30 8.50S–.03 123.50E–.04 177–2 5.5b 955 1-166
BJI III 07 16 27 14.0 8.98S 123.98E 180 5.3b,5.1b ¶11788781
MOS III 07 16 27 15.4–1.1 8.25S 123.55E 138 5.5b,5.1b
TEH III 07 16 27 18.0 8.49S 123.57E 144 5.6L,5.1b
ISCJB III 07 16 27 19.2–.33 8.54S–.02 123.50E–.02 183–2 5.5b,5.1b
DJA III 07 16 27 19.7–.20 9S–2.0 124E–1.0 147–4 5.6b,5.5b
NEIC III 07 16 27 20.1–.70 8.35S 123.59E 172–6 5.6b,5.5b
IDC III 07 16 27 20.5–.80 8.36S 123.53E 172–6 5.2,5.2
GCMT III 07 16 27 22.4–.20 8.59S 123.68E 169–1 5.3W,5.2
ISC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=5.3km az=118.3.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.6km az=38.3.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.8km az=52.0.
IDC Error ellipse: s-maj=10.2km s-min=6.4km az=62.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 85, comp=138, per= 50. Moment Tensor Solution. s46,c65; s8,c8; Moment tensor: Scale 10^{16}Nm; M_{rr}1.33±.23 $M_{\theta\theta}$1.40±.34; $M_{\phi\phi}$-2.74±.38; $M_{r\theta}$8.02±.17; $M_{\theta\phi}$-0.19±.23; $M_{\phi r}$4.62±.20; Best double couple: NP1:ϕ_s157.00000°,δ12.00000°,λ10.00000°. NP2:ϕ_s57.00000°,δ88.00000°,λ102.00000°. Principal axes: T 10.2000,Plg46.0000°,Azm339.0000°; N -1.4000,Plg12.0000° ,Azm236.0000°; P -8.8000,Plg42.0000°,Azm135.0000° $M_0$9.50000×10^{16}

IDC III 08 13 42 08.9–3.7 8.43S 119.71E 171–31 3.7s,3.6
¶12702720
IDC Error ellipse: s-maj=104.3km s-min=12.8km az=62.0.
IDC III 09 00 18 19.5–2.5 8.76S 122.32E 124–30 3.7,3.5
¶12702766
IDC Error ellipse: s-maj=110.9km s-min=15.6km az=60.0.
ISC III 16 00 52 59.8–.53 8.36S–.04 121.66E–.06 35 4.0b 56 1-72
IDC III 16 00 52 54.4–.67 8.28S 121.67E 0 4.3,4.2 ¶15153222
ISCJB III 16 00 52 57.4–.32 8.33S–.04 121.71E–.06 33 4.2b,3.3s
NEIC III 16 00 52 58.4–3.6 8.26S 121.75E 28–27 4.2b,3.3s
DJA III 16 00 52 58.6–.80 8S–7.0 122E–10 21–19 5.1b,4.9b
AUST III 16 00 53 34.3 10.50S 123.00E 200 5.1b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=44.5km s-min=12.3km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.3km az=152.1.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=7.9km az=57.0.
IDC III 17 18 11 21.5–11 8.94S 119.38E 355–84 2.7b,2.7
¶12703527
IDC Error ellipse: s-maj=139.6km s-min=92.1km az=71.0.
IDC III 20 15 39 04.5–5.4 8.65S 119.14E 126–48 2.9b,2.9
¶12703830
IDC Error ellipse: s-maj=115.7km s-min=18.0km az=63.0.
ISC III 22 01 50 49.4–1.6 8.2S–.20 119.3E–.30 184 7 2-64
AUST III 22 01 49 26.9–11 10.61S 112.30E 48–0 ¶12635245
IDC III 22 01 50 50.1–3.0 8.08S 119.43E 190–28 3.0b,3.0
ISC Event type ke.
AUST Error ellipse: s-maj=5.1km s-min=1.4km az=28.0.
IDC Error ellipse: s-maj=69.0km s-min=14.8km az=51.0.
IDC III 22 17 57 31.3–1.9 8.05S 120.05E 208–19 3.0,2.9b
¶12635310
IDC Error ellipse: s-maj=61.4km s-min=12.0km az=54.0.
IDC III 24 15 41 01.4–6.8 8.76S 119.18E 84–42 3.5b,3.5
¶12635480
IDC Error ellipse: s-maj=162.6km s-min=27.0km az=73.0.
ISC III 27 06 43 56.7–.76 8.68S–.06 121.5E–.10 200 18 2-65
IDC III 27 06 43 55.6–2.0 8.81S 121.12E 189–20 3.3b,3.3 ¶15153438
AUST III 27 06 44 12.2–.03 9.65S 122.49E 268–0 3.3b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=90.7km s-min=13.0km az=59.0.
AUST Error ellipse: s-maj=1.4km s-min=1.2km az=31.0.
ISC III 27 18 56 49.2–.32 8.26S–.03 119.80E–.04 194–2 4.5b 593 1-154
BJI III 27 18 56 42.2 9.04S 119.96E 206 4.8b,4.6b ¶15153435
MOS III 27 18 56 47.0–1.0 8.04S 119.86E 188 4.6b,4.6b
ISCJB III 27 18 56 48.1–.27 8.17S–.02 119.77E–.02 198–3 4.4b,4.6b
DJA III 27 18 56 49.7–.10 8S–2.0 120E–1.0 180–3 5.2,5.2b
NEIC III 27 18 56 49.8–.20 8.17S 119.73E 205 4.4b,5.2b
AUST III 27 18 56 49.0–.15 8.25S 119.81E 180–0 4.4b,5.2b
IDC III 27 18 56 50.1–.61 8.08S 119.87E 202–5 4.3,4.2
ISC Event type se.
MOS Error ellipse: s-maj=13.4km s-min=7.1km az=116.3.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=36.9.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.9km az=60.0.
AUST Error ellipse: s-maj=0.7km s-min=0.5km az=29.0.
IDC Error ellipse: s-maj=12.3km s-min=6.1km az=63.0.
IDC III 29 23 01 52.8–2.0 8.91S 119.42E 0 3.5,3.4
¶12635894
IDC Error ellipse: s-maj=84.5km s-min=25.8km az=59.0.
ISC IV 06 18 49 23.5–.73 8.01S–.05 120.51E–.07 200 26 2-64
IDC IV 06 18 49 23.8–1.4 7.85S 120.63E 207–14 3.5,3.4 ¶15153587
DJA IV 06 18 49 25.1–.30 8S–3.0 120E–2.0 174–7 5.1b,4.5
AUST IV 06 18 49 26.7 8.00S 120.99E 100 5.1b,4.5
ISC Event type ke.
IDC Error ellipse: s-maj=55.8km s-min=10.7km az=58.0.
ISC IV 07 17 02 51.6–.72 8.22S–.06 119.83E–.07 201 3.5b 28 2-69
AUST IV 07 17 02 48.8–.36 8.52S 120.03E 85–0 3.5b ¶15153602
ISCJB IV 07 17 02 50.9–.45 8.16S–.04 119.87E–.06 201 3.7b
DJA IV 07 17 02 53.7–.90 8S–4.0 120E–4.0 116–14 4.0b,3.9
IDC IV 07 17 02 56.4–3.2 7.85S 120.50E 225–33 3.5,3.4b
ISC Event type ke.
AUST Error ellipse: s-maj=1.1km s-min=0.8km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.3km az=157.5.
IDC Error ellipse: s-maj=89.7km s-min=9.8km az=53.0.
ISC IV 09 23 19 05.3–.85 8.27S–.09 121.7E–.10 35 3.9b 16 2-121
IDC IV 09 23 19 00.1–.86 8.38S 121.31E 0 4.0,4.0L ¶15153628
AUST IV 09 23 19 03.0–6.5 8.42S 121.65E 2–0 4.0,4.0L
ISCJB IV 09 23 19 03.1–.69 8.29S–.07 121.82E–.09 33 3.8b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC IV 10 00 22 03.7–.74 8.38S–.05 121.86E–.06 35 3.8b 19 0-121
ISCJB IV 10 00 22 01.7–.51 8.36S–.04 121.83E–.05 33 3.8b ¶12934960
DJA IV 10 00 22 01.7–.90 8S–7.0 122E–12 20–20 3.7,3.7
IDC IV 10 00 22 04.5–2.7 8.58S 121.21E 44–27 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.5km az=153.8.
IDC Error ellipse: s-maj=94.0km s-min=16.0km az=63.0.
IDC IV 13 04 09 07.0–.93 8.04S 122.13E 0 3.9,3.8
¶16152739
IDC Error ellipse: s-maj=95.7km s-min=15.9km az=58.0.
ISC IV 15 12 07 51.5–.67 8.34S–.05 121.66E–.10 35 4.0b 18 1-82
ISCJB IV 15 12 07 49.2–.46 8.39S–.05 121.81E–.08 33 4.2b ¶12935299
DJA IV 15 12 07 49.9–.60 8S–8.0 122E–10 19–16 4.8b,4.5b
IDC IV 15 12 07 52.0–3.4 8.22S 121.77E 39–32 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=5.3km az=158.6.
IDC Error ellipse: s-maj=58.9km s-min=14.1km az=67.0.
IDC IV 20 00 29 35.1–1.2 8.48S 121.10E 193–12 3.5,3.3
¶16153103
IDC Error ellipse: s-maj=42.9km s-min=8.7km az=62.0.
ISC IV 24 14 35 28.9–.86 8.75S–.05 120.80E–.09 100 23 1-34
ISCJB IV 24 14 35 27.7–.60 8.67S–.05 120.81E–.06 100 4.2b ¶15153934
AUST IV 24 14 35 27.6 8.50S 120.98E 100 4.2b
IDC IV 24 14 35 28.4–2.6 8.99S 120.56E 88–33 4.2b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.9km az=171.5.
IDC Error ellipse: s-maj=114.1km s-min=23.2km az=66.0.
IDC IV 26 07 20 17.2–7.7 8.58S 121.28E 199–71 3.6b,3.0
¶16154510
IDC Error ellipse: s-maj=145.2km s-min=56.0km az=53.0.
IDC V 06 20 21 23.2–7.7 8.22S 119.59E 124–80 3.4s,3.4
¶16155465
IDC Error ellipse: s-maj=158.7km s-min=30.0km az=52.0.
IDC V 10 17 03 50.1–4.1 8.77S 123.19E 188–43 3.0,2.8
¶16155598
IDC Error ellipse: s-maj=103.1km s-min=17.6km az=59.0.
IDC V 12 06 34 56.4–5.3 8.28S 119.68E 351–129 3.1,3.0
¶16155666
IDC Error ellipse: s-maj=208.4km s-min=83.3km az=37.0.
IDC V 15 02 47 11.1–1.5 8.11S 121.95E 0 3.7,3.6b
¶16155755
IDC Error ellipse: s-maj=152.1km s-min=22.4km az=58.0.
IDC V 18 23 26 54.1–1.6 8.04S 119.24E 0 3.7,3.7b
¶16155891
IDC Error ellipse: s-maj=57.6km s-min=17.9km az=68.0.
IDC V 23 04 41 32.0–5.1 8.49S 119.12E 171–49 3.3,3.1
¶16156040
IDC Error ellipse: s-maj=97.9km s-min=14.7km az=45.0.
ISC V 25 18 45 21.1–1.0 8.30S–.09 121.47E–.09 200 21 2-65
ISCJB V 25 18 45 20.2–.80 8.32S–.09 121.35E–.07 200 3.6b ¶15155501
AUST V 25 18 45 20.6–1.3 8.22S 121.45E 180–0 3.6b
IDC V 25 18 45 25.2–3.0 8.64S 121.08E 240–33 3.4,3.4b
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=8.1km az=26.3.
AUST Error ellipse: s-maj=2.3km s-min=1.3km az=14.0.
IDC Error ellipse: s-maj=88.5km s-min=13.3km az=54.0.
ISC V 30 21 33 20.4–.54 8.17S–.05 122.02E–.06 200 3.6b 30 2-121
ISCJB V 30 21 33 18.9–.44 8.03S–.05 122.08E–.04 200 3.5b ¶15155608
AUST V 30 21 33 20.6 8.00S 121.99E 200 3.5b
IDC V 30 21 33 21.2–1.9 8.07S 121.97E 212–19 3.4,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.2km az=28.7.
IDC Error ellipse: s-maj=35.7km s-min=10.7km az=65.0.
IDC V 31 14 39 43.4–4.1 8.36S 119.21E 0 3.7,3.5
¶16066118

IDC Error ellipse: s-maj=134.8km s-min=31.1km az=38.0.
IDC VI 03 13 09 20.8–2.0 8.02S 120.20E 188–19 3.4b,3.3
¶16100896

IDC Error ellipse: s-maj=62.7km s-min=10.2km az=54.0.
ISC VI 03 18 16 11.6–.35 8.45S–.03 122.07E–.04 18–1 5.2b,4.1s 312 0-153
BJI VI 03 18 16 07.2 8.50S 122.10E 5 5.1b,5.1b ¶12892941
IDC VI 03 18 16 08.7–.39 8.33S 121.90E 0 5.0,5.0L
ISCJB VI 03 18 16 09.5–.20 8.42S–.03 122.17E–.03 18 5.1b,4.2s
MOS VI 03 18 16 11.9–1.1 8.29S 122.05E 33 5.3b,4.2s
DJA VI 03 18 16 13.4–.40 8S–3.0 122E–2.0 10 5.4b,5.3b
NEIC VI 03 18 16 14.0–1.1 8.41S 122.03E 39–10 5.1b,5.3b
GCMT VI 03 18 16 14.9–.20 8.39S 122.09E 16–0 5.0W,5.3b
ISC Event type fe.
IDC Error ellipse: s-maj=17.6km s-min=10.0km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.7km az=156.0.
MOS Error ellipse: s-maj=13.2km s-min=6.8km az=109.7.
NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=5.8km az=64.0. Felt [III] at Maumere.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s43,c59; s63,c113;
Moment tensor: Scale 10^{16}Nm; M_{rr}3.23±.16 $M_{\theta\theta}$-3.01±.10; $M_{\phi\phi}$-0.22±.12; $M_{r\theta}$-0.57±.27;
$M_{\theta\phi}$-1.29±.07; $M_{\phi r}$-1.61±.36; Best double couple: NP1:ϕ_s87.00000°,δ39.00000°,λ121.00000°.
NP2:ϕ_s229.00000°,δ57.00000°,λ67.00000°. Principal axes: T 3.8700,Plg69.0000°
,Azm91.0000°; N -0.1600,Plg19.0000°,Azm242.0000°; P -3.7100,Plg10.0000°
,Azm335.0000° $M_0$3.80000×10^{16}
ISC VI 03 18 50 30.8–.77 8.53S–.08 122.03E–.09 31 4.0b 14 0-70
DJA VI 03 18 50 29.5–.60 8S–9.0 122E–46 10–39 3.9,3.9 ¶13680362
IDC VI 03 18 50 31.9–2.0 8.91S 121.13E 46–19 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=62.4km s-min=12.6km az=65.0.
ISC VI 04 04 03 11.0–.85 8.8S–.10 123.4E–.30 74 3.7b 18 10-123
ISCJB VI 04 04 03 09.0–.59 8.7S–.20 123.6E–.30 74 3.8b ¶16100925
IDC VI 04 04 03 10.9–4.5 8.64S 123.40E 66–44 4.1L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=42.9km s-min=8.0km az=148.2.
IDC Error ellipse: s-maj=90.6km s-min=21.3km az=69.0.
IDC VI 04 06 50 05.6–1.2 8.17S 122.43E 0 3.7,3.7b
¶16100926

IDC Error ellipse: s-maj=106.1km s-min=20.5km az=60.0.
ISC VI 07 05 19 09.3–1.1 8.78S–.08 121.89E–.08 150 16 2-66
ISCJB VI 07 05 19 08.5–.88 8.74S–.07 121.89E–.05 150 3.6b ¶15155859
IDC VI 07 05 19 11.4–2.2 8.34S 122.05E 189–27 3.4,3.3b
AUST VI 07 05 19 15.4 9.50S 121.99E 100 3.4,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.3km az=15.4.
IDC Error ellipse: s-maj=189.8km s-min=16.0km az=56.0.
IDC VI 10 02 05 03.6–6.0 8.55S 119.73E 194–98 3.2,3.1b
¶16101168

IDC Error ellipse: s-maj=172.5km s-min=60.4km az=27.0.
IDC VI 15 08 04 03.5–1.9 8.04S 119.14E 202–20 3.6,3.4
¶16101350

IDC Error ellipse: s-maj=40.4km s-min=12.9km az=50.0.
ISC VI 18 13 11 20.2–.61 8.59S–.04 123.81E–.05 161–5 4.6b 176 2-153
BJI VI 18 13 11 12.6 9.24S 124.25E 165 4.8b,4.8b ¶15156192
NEIC VI 18 13 11 17.7–1.1 8.42S 123.83E 139–10 4.9b,4.8b
AUST VI 18 13 11 17.7–.23 8.53S 123.86E 124–0 4.9b,4.8b
ISCJB VI 18 13 11 19.1–.39 8.55S–.03 123.82E–.03 167–4 4.5b,4.8b
DJA VI 18 13 11 20.8–.40 9S–3.0 124E–4.0 147–7 4.8b,4.8
IDC VI 18 13 11 21.3–1.7 8.39S 123.78E 168–15 4.2,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.0km az=53.0.
AUST Error ellipse: s-maj=0.8km s-min=0.6km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=139.3.
IDC Error ellipse: s-maj=13.4km s-min=8.2km az=63.0.
IDC VI 19 10 00 19.7–2.9 8.76S 119.36E 0 3.2,3.2
¶16101497

IDC Error ellipse: s-maj=272.6km s-min=27.1km az=51.0.
IDC VI 21 21 28 18.2–4.7 8.28S 119.93E 198–54 3.3b,3.2
¶16101591

IDC Error ellipse: s-maj=121.0km s-min=14.0km az=48.0.
IDC VI 30 07 43 04.5–1.6 8.07S 120.11E 196–13 3.8,3.7
¶16101889

IDC Error ellipse: s-maj=41.2km s-min=8.5km az=56.0.

(287) Sumba region.

IDC I 08 14 40 27.2–5.0 9.66S 119.16E 44–48 3.4,3.3
DJA I 08 14 40 26 9.66S 119.00E 28 3.9,3.3 ¶12080748
IDC Error ellipse: s-maj=81.1km s-min=15.8km az=72.0.
ISC II 01 16 15 30.5–.59 9.23S–.06 119.01E–.04 78–6 3.9b 41 1-119
IDC II 01 16 15 30.6–.75 9.13S 118.96E 74–5 3.8,3.7b ¶12699343
DJA II 01 16 15 30 9.52S 118.94E 20 4.9,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=44.4km s-min=13.1km az=60.0.
IDC II 11 11 26 29.5–3.7 9.28S 120.67E 114–32 4.1b,3.8
DJA II 11 11 26 27 9.39S 120.70E 116 3.8,3.8 ¶12699972
IDC Error ellipse: s-maj=119.9km s-min=12.5km az=64.0.
IDC II 18 22 46 57.6–3.4 10.05S 119.11E 0 5.0,5.0s
¶15956597

IDC Error ellipse: s-maj=273.4km s-min=29.5km az=49.0.
IDC II 26 13 53 30.3–1.7 9.53S 120.85E 0 3.9b,3.7
¶15957359

IDC Error ellipse: s-maj=172.4km s-min=23.1km az=56.0.
IDC II 27 06 14 13.7–.88 9.94S 120.72E 0 4.1,4.0L
¶15957436

IDC Error ellipse: s-maj=43.5km s-min=16.2km az=69.0.
IDC III 02 19 27 36.7–1.8 10.60S 119.18E 0 3.5,3.4L
¶12702292

IDC Error ellipse: s-maj=66.0km s-min=21.0km az=62.0.
IDC III 04 18 48 00.1–5.3 9.25S 119.16E 69–44 3.4L,3.3
¶12702446

IDC Error ellipse: s-maj=87.5km s-min=15.8km az=74.0.
IDC III 14 02 31 07.5–3.5 9.38S 120.67E 84–29 3.4b,3.4
¶12703213

IDC Error ellipse: s-maj=100.5km s-min=13.8km az=66.0.
IDC III 15 10 58 08.1–4.5 9.56S 120.19E 61–44 3.3L,3.2
¶12703343

IDC Error ellipse: s-maj=95.8km s-min=14.8km az=68.0.
IDC III 19 20 22 32.8–1.4 9.37S 119.27E 0 3.9b,3.7
¶12703724

IDC Error ellipse: s-maj=32.7km s-min=12.3km az=52.0.
ISC IV 01 23 12 49.3–1.2 10.15S–.08 120.4E–.10 39 10 0-66
IDC IV 01 23 12 39.2–3.2 9.83S 119.59E 0 3.6L,3.5 ¶15153503
AUST IV 01 23 12 46.9 10.00S 120.98E 0 3.6L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=276.1km s-min=29.2km az=50.0.
ISC IV 09 08 18 37.8–.28 10.02S–.04 120.46E–.05 39–2 4.7b,3.9s 199 0-154
IDC IV 09 08 18 36.3–2.6 9.69S 120.64E 26–17 5.0L,4.4 ¶15153635
BJI IV 09 08 18 36.1 10.00S 120.60E 35 5.0b,4.9s
NEIC IV 09 08 18 36.4–1.3 9.87S 120.65E 30–9 4.8b,4.9s
AUST IV 09 08 18 37.1–.29 10.08S 120.45E 26–0 4.8b,4.9s
DJA IV 09 08 18 38.2–.60 10S–2.0 121E–2.0 14–5 5.4b,5.1
ISCJB IV 09 08 18 38.4–.43 10.02S–.03 120.53E–.03 63–4 4.7b,5.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IV 11 03 57 22.2–4.1 10.06S 120.42E 72–36 3.3,3.2
¶16152649

IDC Error ellipse: s-maj=115.8km s-min=21.0km az=63.0.
IDC IV 12 13 22 55.0–2.1 9.73S 120.67E 0 3.4,3.3
¶16152711

IDC Error ellipse: s-maj=145.4km s-min=23.3km az=59.0.
IDC IV 13 04 31 19.9–1.9 9.06S 120.94E 0 3.5,3.4b
¶16152741

IDC Error ellipse: s-maj=170.3km s-min=26.0km az=56.0.
IDC IV 17 19 04 28.2–6.0 9.75S 120.96E 86–45 3.0,3.0
¶16152941

IDC Error ellipse: s-maj=177.0km s-min=23.1km az=58.0.
ISC IV 23 03 59 53.5–1.4 9.89S–.08 120.2E–.20 35 11 0-66
AUST IV 23 03 59 51.0 9.99S 119.97E 15 ¶15153916
IDC IV 23 03 59 52.2–4.8 9.90S 119.83E 48–48 3.7,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=128.2km s-min=22.5km az=63.0.
ISC IV 25 07 11 10.9–.87 10.44S–.07 119.64E–.06 35 14 1-66
IDC IV 25 07 11 03.8–3.0 10.01S 119.57E 0 3.7,3.6L ¶15153947
AUST IV 25 07 11 08.1 10.49S 119.46E 10 3.7,3.6L
ISCJB IV 25 07 11 10.7–.70 10.61S–.05 119.56E–.05 33 3.3b,3.6L
ISC Event type ke.
ISCJB Event type ke.
ISC V 04 15 50 47.7–.54 9.83S–.05 120.68E–.05 100 4.0b 46 0-120
AUST V 04 15 50 46.7 10.00S 120.98E 15 4.0b ¶15154109
ISCJB V 04 15 50 47.2–.36 9.79S–.04 120.69E–.04 100 4.0b
DJA V 04 15 50 48.3–.90 10S–9.0 121E–6.0 93–13 4.4b,4.3
IDC V 04 15 50 49.2–2.2 9.49S 121.03E 86–18 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.0km az=137.1.
IDC Error ellipse: s-maj=46.1km s-min=13.8km az=65.0.
ISC V 07 00 25 57.2–1.1 9.36S–.05 119.22E–.10 95–11 3.8b 34 1-69
IDC V 07 00 25 55.1–5.5 9.45S 118.80E 74–46 3.9L,3.7 ¶15852939
DJA V 07 00 26 03.5–1.6 9S–9.0 119E–7.0 62–27 4.4,4.4
AUST V 07 00 26 10.4–.01 10.45S 119.97E 41–0 4.4,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=103.2km s-min=16.8km az=64.0.
AUST Error ellipse: s-maj=1.0km s-min=0.9km az=266.0.
ISC V 20 16 52 19.6–.96 9.81S–.06 120.49E–.06 35 16 0-29
IDC V 20 16 52 17.8–3.9 9.72S 120.84E 0 3.9b,3.7 ¶13679322
ISCJB V 20 16 52 18.3–.55 9.79S–.05 120.53E–.06 33 3.7b,3.7
DJA V 20 16 52 19.1–.40 10S–5.0 121E–5.0 23–5 4.1b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC V 29 00 55 23.0–1.1 9.71S–.08 119.37E–.09 30–6 15 0-65
ISCJB V 29 00 55 21.4–1.0 9.72S–.05 119.30E–.09 39–7 3.3b ¶13679864
DJA V 29 00 55 24.3–.40 9S–7.0 119E–5.0 10 4.0,4.0
IDC V 29 00 55 25.1–4.7 9.57S 119.67E 46–48 3.6L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=8.2km az=163.2.
IDC Error ellipse: s-maj=93.0km s-min=15.7km az=70.0.
ISC V 30 03 04 24.2–.62 10.13S–.05 119.44E–.04 35 16 1-66
AUST V 30 03 04 22.7–.73 9.95S 119.42E 0–0 ¶15155604
ISCJB V 30 03 04 23.1–.56 9.90S–.06 119.41E–.05 33 3.7b
IDC V 30 03 04 28.0–4.7 9.85S 119.47E 74–42 3.7L,3.6
ISC Event type ke.
AUST Error ellipse: s-maj=0.9km s-min=0.8km az=254.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.5km az=38.5.
IDC Error ellipse: s-maj=80.9km s-min=14.7km az=70.0.
ISC VI 11 03 00 20.9–.79 9.18S–.05 119.18E–.04 89–9 3.8b 33 1-69
AUST VI 11 03 00 16.9 8.99S 119.47E 0 3.8b ¶15156027
ISCJB VI 11 03 00 19.9–.40 9.19S–.04 119.18E–.03 100–5 3.6b
IDC VI 11 03 00 20.1–4.8 9.09S 119.01E 74–43 3.9L,3.6
DJA VI 11 03 00 22.1–.60 9S–4.0 119E–2.0 32–9 4.4,4.4
ISC Event type ke.
ISCJB Event type ke.

(288) Savu Sea.

ISC I 01 06 28 54.0–.93 9.5S–.10 121.5E–.10 35 4.4b 19 5-70
IDC I 01 06 28 51.1–1.7 9.48S 120.86E 0 4.0L,3.9 ¶12079742
NEIC I 01 06 28 53.6–.75 9.61S 120.72E 20 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=158.8km s-min=22.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=9.3km az=63.0.
IDC III 15 10 32 54.8–2.5 9.56S 121.77E 0 3.7b,3.3
¶12703342

IDC Error ellipse: s-maj=272.7km s-min=30.2km az=53.0.
IDC III 24 11 58 50.1–2.0 10.49S 122.95E 0 3.7,3.5L
¶12635464

IDC Error ellipse: s-maj=143.6km s-min=25.9km az=52.0.
ISC IV 06 11 43 16.4–.86 9.68S–.08 122.29E–.07 35 3.9b 17 2-71
ISCJB IV 06 11 43 14.0–.59 9.58S–.06 122.38E–.05 33 3.8b ¶15153576
IDC IV 06 11 43 15.6–1.1 10.09S 120.76E 87–9 3.8,3.7
AUST IV 06 11 43 18.6 9.50S 122.50E 60 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.1km az=39.6.
IDC Error ellipse: s-maj=71.5km s-min=13.4km az=67.0.
IDC VI 02 20 02 47.6–6.2 10.25S 122.76E 0 3.8b,3.7
¶16066244

IDC Error ellipse: s-maj=110.9km s-min=69.4km az=72.0.
IDC VI 12 10 42 46.8–1.9 9.81S 121.18E 0 4.4,4.4s
¶16101233

IDC Error ellipse: s-maj=141.8km s-min=24.3km az=59.0.

(289) Timor region.

IDC I 01 13 27 03.8–1.5 8.55S 127.64E 0 3.9L,3.8
¶12079755

IDC Error ellipse: s-maj=92.2km s-min=24.5km az=73.0.
ISC I 06 00 09 03.7–.95 8.93S–.09 124.6E–.20 96 3.7b 18 9-72
IDC I 06 00 08 54.7–1.2 8.54S 124.06E 0 4.2L,4.1 ¶12080430
NEIC I 06 00 08 59.7–.57 8.54S 124.16E 35 4.0b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=70.1km s-min=18.7km az=60.0.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=7.7km az=62.0.
ISC I 07 04 43 59.1–.33 9.25S–.04 123.78E–.05 91–2 5.0b 369 2-161
BJI I 07 04 43 49.1 10.03S 124.26E 83 5.1b,5.0s ¶11534047
MOS I 07 04 43 51.4–1.2 9.08S 123.84E 36 5.2b,5.0s
NEIC I 07 04 43 55.1–1.0 9.11S 123.85E 54–9 5.0b,5.0s
TEH I 07 04 43 58.0 9.26S 123.89E 89 5.0L,5.0s
IDC I 07 04 43 58.1–1.2 9.10S 123.85E 80–9 4.7,4.7
ISCJB I 07 04 43 59.5–.53 9.25S–.03 123.83E–.04 114–4 5.0b,4.7
DJA I 07 04 43 59 9.56S 123.73E 53 5.2b,4.7
ISC Event type se.
MOS Error ellipse: s-maj=13.6km s-min=6.7km az=116.6.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.6km az=59.0.
IDC Error ellipse: s-maj=17.6km s-min=10.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=148.5.
IDC I 12 14 26 02.7–10 8.40S 127.77E 146–78 3.6,3.5b
¶12081112

IDC Error ellipse: s-maj=83.1km s-min=59.7km az=178.0.
ISC I 14 18 54 53.8–.84 9.0S–.10 125.0E–.20 25 4.0b 21 7-152
ISCJB I 14 18 54 50.5–.60 9.0S–.10 125.1E–.20 25 3.8b,3.8s ¶12081286
IDC I 14 18 54 51.8–.88 9.12S 124.22E 0 4.8L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.8km s-min=7.5km az=148.4.
IDC Error ellipse: s-maj=55.6km s-min=17.1km az=70.0.
IDC I 19 05 51 45.7–1.5 8.87S 127.04E 0 3.9,3.8L

¶12081721
IDC Error ellipse: s-maj=84.8km s-min=25.0km az=72.0.
IDC I 20 18 21 16.4–2.1 8.64S 124.16E 0 3.3b,3.3

¶12081889
IDC Error ellipse: s-maj=294.8km s-min=32.4km az=57.0.
ISC I 24 13 52 28.2–.42 8.54S–.03 125.06E–.04 25–2 5.1b,4.2s 300 3-152
BJI I 24 13 52 21.9 8.94S 125.48E 26 5.2b,5.0b ¶11617205
IDC I 24 13 52 25.2–.44 8.34S 124.96E 0 4.9,4.9b
DJA I 24 13 52 27 8.49S 125.11E 10 4.9W,4.9b
ISCJB I 24 13 52 28.0–.49 8.46S–.03 125.07E–.03 35–4 5.0b,4.3s
NEIC I 24 13 52 28.1–.18 8.41S 125.01E 22 5.2b,4.3s
MOS I 24 13 52 30.3–1.2 7.94S 124.93E 33 5.3b,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=11.2km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.1km az=141.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=3.7km az=57.0. Felt [III] at Dili. Also felt [III] on Pulau Alor, Indonesia.
MOS Error ellipse: s-maj=23.6km s-min=8.5km az=109.2.
IDC I 27 12 32 49.6–2.0 9.12S 123.65E 0 3.8,3.7b

¶12082473
IDC Error ellipse: s-maj=284.7km s-min=30.5km az=56.0.
ISC I 28 07 53 37.0–.34 8.98S–.03 124.09E–.04 59–2 5.7b,4.7s 1422 2-165
BJI I 28 07 53 25.0 9.89S 124.63E 35 5.7b,5.6b ¶13434054
ISCJB I 28 07 53 34.4–.14 9.02S–.02 124.16E–.02 50 5.7b,4.7s
BGS I 28 07 53 37.7–2.8 8.94S 124.16E 66 5.6b,4.7s
MOS I 28 07 53 37.3–1.4 8.84S 124.10E 69 5.8b,4.6s
NEIC I 28 07 53 38.2–.91 8.94S 124.16E 66–7 5.7W,5.6b
DJA I 28 07 53 39 9.30S 124.15E 73 5.9W,5.6b
IDC I 28 07 53 40.5–.96 8.85S 124.10E 82–7 5.2,5.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=32.3.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=8.9km s-min=5.4km az=110.7.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=58.0. Felt [III] on Pulau Alor and at Ende, Flores and at Kupang, Timor. Also felt [III] at Dili, Timor-Leste and [II] at Darwin, Australia. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.38 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.45 $M_{r\theta}$1.90 $M_{\theta\phi}$1.63 $M_{\phi r}$3.22 Best double couple: NP1:ϕ_s200.00000°,δ90.00000° ,λ-111.00000°. NP2:ϕ_s110.00000°,δ21.00000°,λ-1.00000°. Principal axes: T 4.6000,Plg41.0000°,Azm310.0000°; N -1.3200,Plg20.0000°,Azm200.0000° ; P -3.2800,Plg41.0000°,Azm90.0000° $M_0$4.10000×10^{17}
IDC Error ellipse: s-maj=10.7km s-min=7.3km az=57.0.
ISC I 29 04 45 05.4–.88 9.04S–.05 124.09E–.06 67–7 5.2b 519 6-161
BJI I 29 04 45 00.3 9.52S 124.70E 86 5.0b,5.0b ¶11656295
MOS I 29 04 45 03.9–1.1 8.89S 124.06E 65 5.3b,5.0b
ISCJB I 29 04 45 03.2–.94 9.02S–.04 124.31E–.05 68–9 5.1b,5.0b
NEIC I 29 04 45 05.5–.80 9.01S 124.11E 66–7 5.3b,5.0b
IDC I 29 04 45 05.2–1.6 8.94S 124.06E 63–13 4.7,4.7b
DJA I 29 04 45 08 9.30S 124.13E 68 5.1W,4.7b
ISC Event type se.
MOS Error ellipse: s-maj=12.5km s-min=6.6km az=113.6.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.3km az=158.4.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.2km az=58.0.
IDC Error ellipse: s-maj=14.8km s-min=10.6km az=56.0.
ISC I 29 11 02 57.0–.44 9.46S–.05 124.07E–.08 66 4.8b 94 6-152
ISCJB I 29 11 02 54.9–.28 9.42S–.04 124.08E–.06 66 4.8b ¶11656303
NEIC I 29 11 02 56.4–.85 9.09S 124.24E 51–9 4.7b
BJI I 29 11 02 56.3 9.65S 124.14E 101 5.1b,4.7b
IDC I 29 11 02 57.4–2.0 9.07S 124.23E 54–17 4.6L,4.4
DJA I 29 11 03 01 9.41S 124.03E 65 4.7b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.1km az=149.7.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=5.4km az=51.0.
IDC Error ellipse: s-maj=32.0km s-min=16.6km az=66.0.
ISC II 03 14 03 30.5–.56 8.03S–.06 125.56E–.09 26 4.8b,3.3s 71 6-125
IDC II 03 14 03 27.4–.99 7.82S 125.56E 0 4.6,4.4L ¶12699472
ISCJB II 03 14 03 28.1–.42 8.12S–.06 125.52E–.08 26 4.8b,3.4s
NEIC II 03 14 03 32.5–.31 7.88S 125.56E 35 4.5b,3.4s
DJA II 03 14 03 37 7.58S 125.40E 50 4.9b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=20.9km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=6.1km az=153.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.6km az=60.0.
ISC II 04 16 17 56.2–.51 9.14S–.07 123.8E–.10 74 4.6b 58 9-123
ISCJB II 04 16 17 54.4–.32 8.99S–.06 123.73E–.09 74 4.2b ¶12699543
IDC II 04 16 17 57.6–4.1 9.04S 123.72E 86–41 4.0,3.9
NEIC II 04 16 17 58.6–1.6 9.12S 123.76E 100–18 4.5b,3.9
DJA II 04 16 18 00 9.20S 123.84E 90 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=5.6km az=147.9.
IDC Error ellipse: s-maj=33.9km s-min=17.5km az=73.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=9.5km az=56.0.
IDC II 05 12 35 16.3–1.7 8.67S 124.19E 0 3.6,3.5L

¶15955068
IDC Error ellipse: s-maj=126.7km s-min=26.9km az=64.0.
IDC II 11 07 10 47.1–1.7 8.70S 124.18E 0 3.7,3.6L

¶15955409
IDC Error ellipse: s-maj=117.5km s-min=26.3km az=64.0.
IDC II 20 11 06 08.3–4.5 9.10S 123.78E 75–49 4.0L,3.8

¶15956811
IDC Error ellipse: s-maj=52.7km s-min=30.2km az=64.0.
IDC II 26 20 24 52.6–1.0 8.75S 127.21E 0 3.7,3.7L

¶15957376
IDC Error ellipse: s-maj=69.3km s-min=18.1km az=66.0.
IDC II 27 21 50 28.2–1.9 8.63S 127.27E 0 3.6,3.5L

¶15957480
IDC Error ellipse: s-maj=93.3km s-min=27.4km az=71.0.
IDC II 27 21 50 37.2–1.6 8.76S 127.14E 0 3.9,3.9L

¶15957483
IDC Error ellipse: s-maj=91.3km s-min=25.2km az=72.0.
IDC II 27 21 53 17.5–1.5 8.79S 126.99E 0 4.1L,3.9

¶15957484
IDC Error ellipse: s-maj=191.0km s-min=30.4km az=62.0.
IDC II 27 23 46 17.4–1.8 9.18S 126.43E 0 3.5,3.5L

¶15957486
IDC Error ellipse: s-maj=165.6km s-min=31.9km az=59.0.
IDC III 01 15 08 23.8–.80 8.82S 127.18E 0 4.2,4.1

¶12702199
IDC Error ellipse: s-maj=34.9km s-min=16.8km az=55.0.
IDC III 01 15 15 22.6–1.3 8.78S 127.60E 0 4.1,4.0L

¶12702201
IDC Error ellipse: s-maj=73.6km s-min=19.7km az=65.0.
ISC III 03 01 36 08.0–1.5 10.23S–.10 124.8E–.10 35 8 7-68
AUST III 03 01 35 00.4 7.00S 120.99E 0 ¶12702315
IDC III 03 01 36 02.9–1.7 10.18S 125.17E 0 3.9,3.8L
ISCJB III 03 01 36 05.0–1.3 10.27S–.09 124.9E–.10 33 3.4b,3.8L
ISC Event type ke.
ISCJB Event type ke.
ISC III 04 05 46 56.8–1.1 8.52S–.09 127.72E–.09 35 3.8b 18 5-145
AUST III 04 05 46 46.5–10 7.97S 127.80E 0–0 3.8b ¶15153040
IDC III 04 05 46 58.5–4.4 8.60S 127.92E 64–43 4.4L,4.1
ISC Event type ke.
AUST Error ellipse: s-maj=2.9km s-min=1.1km az=358.0.
IDC Error ellipse: s-maj=57.6km s-min=19.4km az=58.0.
IDC III 04 11 18 44.9–1.9 8.83S 127.70E 0 3.7L,3.5

¶12702421
IDC Error ellipse: s-maj=92.7km s-min=27.6km az=72.0.
IDC III 12 17 13 53.1–1.9 8.75S 127.05E 0 3.4b,3.4

¶12703095
IDC Error ellipse: s-maj=93.1km s-min=27.4km az=71.0.
IDC III 12 19 25 49.0–1.7 10.41S 124.14E 0 3.9,3.6L

¶12703102
IDC Error ellipse: s-maj=95.5km s-min=23.9km az=66.0.
IDC III 18 22 49 44.9–1.7 8.47S 124.01E 0 3.8L,3.8

¶12703617
IDC Error ellipse: s-maj=122.6km s-min=26.5km az=64.0.
ISC III 21 05 53 16.9–.48 8.14S–.06 124.12E–.08 96 4.2b 52 2-130
DJA III 21 05 53 19.8–.50 8S–7.0 124E–5.0 10 5.7b,5.2 ¶12635156
NEIC III 21 05 53 24.1–1.0 8.19S 123.88E 175–10 4.4b,5.2
IDC III 21 05 53 25.6–2.4 8.23S 123.80E 190–24 3.9s,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=7.2km az=56.0.
IDC Error ellipse: s-maj=24.8km s-min=9.0km az=62.0.
IDC III 24 18 59 54.0–1.9 8.00S 125.15E 0 3.5,3.4b

¶12635488
IDC Error ellipse: s-maj=105.7km s-min=27.6km az=67.0.
IDC III 24 23 50 37.5–2.9 10.64S 123.88E 58–32 3.7L,3.6

¶12635500
IDC Error ellipse: s-maj=60.7km s-min=18.8km az=60.0.
IDC III 25 10 34 12.3–8.8 9.59S 125.35E 86–101 3.1,3.0L

¶12635544
IDC Error ellipse: s-maj=63.9km s-min=50.1km az=25.0.
IDC III 25 17 59 42.0–1.7 9.94S 125.19E 0 3.2b,3.2

¶12635580
IDC Error ellipse: s-maj=102.0km s-min=27.0km az=65.0.
IDC III 25 18 02 13.9–2.1 10.47S 124.67E 0 3.5b,3.4

¶12635581
IDC Error ellipse: s-maj=213.4km s-min=33.0km az=54.0.
IDC III 30 08 05 36.6–1.7 9.96S 125.00E 0 3.7,3.5

¶12635928
IDC Error ellipse: s-maj=98.4km s-min=26.6km az=65.0.
ISC III 31 09 37 24.5–1.3 9.76S–.09 124.80E–.10 35 14 7-124
IDC III 31 09 37 26.2–6.0 9.80S 125.03E 66–61 4.5L,4.3 ¶15153485
AUST III 31 09 37 30.3 10.00S 125.02E 60 4.5L,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=55.9km s-min=37.7km az=63.0.
IDC IV 01 15 05 21.8–9.4 9.26S 126.88E 115–107 3.7L,3.3

¶16152229
IDC Error ellipse: s-maj=68.4km s-min=44.0km az=17.0.
IDC IV 03 23 56 40.1–1.4 8.07S 124.95E 0 3.8L,3.7

¶16152334
IDC Error ellipse: s-maj=186.6km s-min=28.5km az=60.0.
IDC IV 04 22 22 27.1–1.7 9.32S 123.68E 0 3.3,3.2

¶16152391
IDC Error ellipse: s-maj=120.4km s-min=26.3km az=62.0.
ISC IV 05 19 45 27.9–.34 9.43S–.03 124.19E–.04 17–1 5.3b,4.8s 693 2-174
BJI IV 05 19 45 16.7 10.24S 124.61E 5 5.4b,5.1b ¶12088442
IDC IV 05 19 45 25.5–.39 9.22S 124.21E 0 4.8b,4.7
NEIC IV 05 19 45 27.0–.12 9.28S 124.16E 10 5.4b,4.9s
ISCJB IV 05 19 45 27.3–.76 9.42S–.03 124.16E–.03 24–5 5.2b,4.8s
MOS IV 05 19 45 27.0–1.8 9.30S 124.20E 33 5.6b,4.8s
GCMT IV 05 19 45 30.7–.20 9.40S 124.17E 12 5.1W,4.8s
DJA IV 05 19 45 31.0–.70 9S–2.0 124E–1.0 20–7 5.6b,5.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c40; s72,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.62±.15 $M_{\theta\theta}$-1.78±.12; $M_{\phi\phi}$5.40±.14; $M_{r\theta}$2.42±.40; $M_{\theta\phi}$2.84±.11; $M_{\phi r}$2.87±.36; Best double couple: NP1:ϕ_s349.00000°,δ35.00000°,λ-137.00000°. NP2:ϕ_s221.00000°,δ67.00000°,λ-63.00000°. Principal axes: T 7.5100,Plg18.0000° ,Azm292.0000°; N -2.1500,Plg24.0000°,Azm30.0000°; P -5.3600,Plg59.0000° ,Azm169.0000° $M_0$6.40000×10^{16}
ISC IV 05 22 11 17.6–.31 9.40S–.04 124.08E–.05 35–3 4.8b,4.0s 179 2-152
IDC IV 05 22 11 11.9–.55 9.23S 124.13E 0 4.6,4.5 ¶12089195
ISCJB IV 05 22 11 13.9–.63 9.45S–.03 124.22E–.04 33–6 4.7b,4.0s
BJI IV 05 22 11 15.0 9.40S 124.00E 35 5.0b,4.8b
NEIC IV 05 22 11 17.2–.25 9.35S 124.04E 35 4.7b,4.8b
DJA IV 05 22 11 20.1–.50 10S–3.0 124E–3.0 41–8 5.5,5.2b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Kupang.
ISC IV 06 00 15 15.5–.44 9.61S–.06 124.11E–.06 66 4.2b 62 2-144
IDC IV 06 00 15 08.5–.78 9.14S 124.23E 0 4.3,4.2b ¶15153581
AUST IV 06 00 15 08.7–8.2 9.49S 124.07E 2–0 4.3,4.2b
ISCJB IV 06 00 15 12.4–.33 9.62S–.04 124.17E–.06 66 4.2b,4.2b
NEIC IV 06 00 15 13.5–1.1 9.39S 124.04E 40–11 4.5b,4.2b
DJA IV 06 00 15 13.7–.40 10S–5.0 124E–7.0 114–19 5.0b,4.6b
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type ke.
ISC IV 06 00 36 32.3–.82 9.3S–.10 124.9E–.20 33 4.0b 12 5-145
IDC IV 06 00 36 27.3–1.1 9.14S 124.87E 0 4.2,4.2L ¶16152430
AUST IV 06 00 37 04.6–99 12.98S 125.99E 15–1 4.2,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=69.1km s-min=20.5km az=70.0.
AUST Error ellipse: s-maj=3.3km s-min=1.0km az=24.0.
IDC IV 06 00 39 21.9–3.8 8.39S 124.13E 214–41 3.6,3.4

¶16152431
IDC Error ellipse: s-maj=57.4km s-min=16.4km az=55.0.
IDC IV 08 11 23 25.6–1.7 10.13S 124.06E 0 3.7,3.6L

¶16152546
IDC Error ellipse: s-maj=113.3km s-min=26.5km az=62.0.
IDC IV 10 11 34 58.5–2.0 8.35S 127.88E 0 3.8b,3.4

¶16152626
IDC Error ellipse: s-maj=80.2km s-min=25.8km az=78.0.
ISC IV 10 23 30 07.8–1.6 9.7S–.10 124.01E–.07 66 15 4-67
IDC IV 10 23 29 53.8–1.5 8.80S 124.07E 0 4.2,4.0L ¶16152643
AUST IV 10 23 30 28.2 11.00S 125.03E 100 4.2,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=103.9km s-min=23.0km az=61.0.
ISC IV 12 09 55 06.3–.94 8.51S–.07 124.03E–.06 96 3.6b 21 4-66
IDC IV 12 09 54 49.5–1.3 7.51S 124.17E 0 4.0,4.0L ¶15153668
ISCJB IV 12 09 55 03.7–.91 8.45S–.08 124.10E–.05 96 3.5b,4.0L
AUST IV 12 09 55 06.6 8.50S 124.01E 100 3.5b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=67.0km s-min=22.5km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.6km az=18.9.
ISC IV 15 15 30 34.2–1.1 9.5S–.10 125.1E–.20 33 3.8b 9 3-72
IDC IV 15 15 30 29.4–1.9 9.36S 124.79E 0 3.8,3.7 ¶12935292
DJA IV 15 15 30 35.6–.40 9S–5.0 125E–7.0 10 5.1b,4.5b
ISC Event type ke.
ISC IV 18 22 15 23.5–.69 9.43S–.06 125.72E–.07 35 3.8b 19 6-125
IDC IV 18 22 15 19.3–1.0 9.13S 125.99E 0 4.0,3.9L ¶15153799
ISCJB IV 18 22 15 20.5–.57 9.45S–.05 125.74E–.06 33 3.8b,3.9L
AUST IV 18 22 15 28.4–99 9.68S 125.98E 17–1 3.8b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=43.0km s-min=21.4km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.9km az=149.0.
AUST Error ellipse: s-maj=3.4km s-min=1.1km az=323.0.
IDC IV 22 22 18 36.2–1.7 10.17S 124.86E 0 3.4,3.4

¶16153276
IDC Error ellipse: s-maj=103.5km s-min=27.0km az=64.0.
IDC IV 23 01 39 06.3–1.9 10.64S 124.81E 0 3.5,3.5b

¶16153288
IDC Error ellipse: s-maj=98.8km s-min=28.1km az=64.0.
IDC IV 28 16 51 14.6–3.5 8.59S 124.75E 65–39 3.9,3.8L
AUST IV 28 16 51 46.0–.86 10.90S 126.04E 74–0 3.9,3.8L ¶16154591
IDC Error ellipse: s-maj=48.8km s-min=20.6km az=59.0.
AUST Error ellipse: s-maj=1.4km s-min=1.0km az=35.0.
IDC IV 29 14 29 17.9–1.9 10.60S 124.76E 0 4.0,3.8

¶16154627
IDC Error ellipse: s-maj=98.4km s-min=28.1km az=64.0.
ISC V 02 13 34 44.9–1.4 9.82S–.09 124.83E–.10 35 13 7-72

AUST	V	02 13 34 10.9–3.2	7.42S	122.92E	194–0			¶16154837
IDC	V	02 13 34 38.8–1.4	9.52S	125.02E	0	3.8,3.8L		
ISCJB	V	02 13 34 41.8–1.0	9.88S–.08	124.71E–.09	33	3.4b,3.8L		
ISC	Event type ke.							
ISCJB	Event type ke.							
IDC	**V**	**03 23 05 00.2–2.1**	**9.34S**	**123.27E**	**0**	**3.8b,3.7**		¶16154880
IDC	Error ellipse: s-maj=228.2km s-min=31.3km az=55.0.							
ISC	**V**	**04 01 22 58.9–.63**	**9.55S–.05**	**123.51E–.05**	**75**	**3.3b**	**32 2-72**	
ISCJB	V	04 01 22 58.0–.39	9.60S–.04	123.44E–.03	75	3.4b		¶15154100
AUST	V	04 01 22 58.8	9.50S	123.51E	60	3.4b		
IDC	V	04 01 23 01.1–3.3	9.65S	122.95E	114–36	3.7,3.6		
DJA	V	04 01 23 04.7–1.0	9S–5.0	123E–7.0	98–12	4.0,3.9		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**04 03 58 25.7–1.1**	**9.58S–.10**	**125.3E–.20**	**35**		**10 5-125**	
AUST	V	04 03 57 30.1–.01	6.20S	121.94E	68–0			¶16154884
IDC	V	04 03 58 21.1–1.3	9.40S	125.24E	0	3.9,3.9L		
ISC	Event type ke.							
AUST	Error ellipse: s-maj=1.5km s-min=0.9km az=39.0.							
IDC	Error ellipse: s-maj=87.4km s-min=24.4km az=70.0.							
ISC	**V**	**09 08 04 01.6–1.5**	**9.2S–.10**	**124.1E–.10**	**74**		**10 8-67**	
IDC	V	09 08 03 52.4–1.8	8.45S	124.57E	0	4.2,4.1L		¶15154233
AUST	V	09 08 03 59.0	9.00S	124.01E	60	4.2,4.1L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=104.3km s-min=26.5km az=65.0.							
IDC	**V**	**10 21 35 16.4–1.8**	**9.11S**	**125.32E**	**0**	**3.6,3.4**		¶16155610
IDC	Error ellipse: s-maj=96.4km s-min=27.6km az=67.0.							
IDC	**V**	**11 18 00 31.4–11**	**8.26S**	**127.56E**	**251–135**	**2.9,2.7**		¶16155643
IDC	Error ellipse: s-maj=116.6km s-min=50.6km az=37.0.							
ISC	**V**	**15 13 15 10.2–.83**	**9.64S–.06**	**124.50E–.07**	**25**	**3.7b**	**19 2-68**	
ISCJB	V	15 13 15 06.7–.52	9.71S–.06	124.50E–.06	25	3.6b		¶15154330
IDC	V	15 13 15 12.0–7.2	9.67S	124.88E	75–86	4.1L,3.8		
AUST	V	15 13 15 13.6	10.00S	125.02E	0	4.1L,3.8		
DJA	V	15 13 15 36.3–1.5	9S–8.0	122E–15	45–12	6.1b,5.7		
ISC	Event type ke.							
ISCJB	Event type ke.							
IDC	**V**	**15 22 04 50.9–2.1**	**9.10S**	**123.86E**	**0**	**3.7,3.5**		¶16155782
IDC	Error ellipse: s-maj=221.9km s-min=32.8km az=56.0.							
ISC	**V**	**17 06 00 01.7–.48**	**9.43S–.06**	**123.69E–.06**	**66**	**4.0b**	**49 2-123**	
IDC	V	17 05 59 54.5–.95	9.01S	124.15E	0	4.4,4.3L		¶15154360
AUST	V	17 05 59 58.9–3.0	9.38S	123.66E	13–0	4.4,4.3L		
ISCJB	V	17 05 59 59.7–.32	9.48S–.05	123.62E–.05	66	4.0b,4.3L		
NEIC	V	17 05 59 59.3–.44	9.08S	124.16E	35	4.3b,4.3L		
DJA	V	17 06 00 18.9–.70	9S–6.0	122E–12	13–12	3.8b,3.8		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
ISC	**V**	**20 11 59 20.7–.33**	**8.96S–.03**	**124.23E–.04**	**110–2**	**4.7b**	**225 2-152**	
BJI	V	20 11 59 13.7	9.32S	124.74E	106	4.9b,4.9b		¶15154423
IDC	V	20 11 59 14.8–3.6	8.72S	124.09E	52–34	5.1L,4.4		
ISCJB	V	20 11 59 19.2–.43	8.89S–.03	124.29E–.03	115–4	4.7b,4.4		
NEIC	V	20 11 59 19.2–.99	8.80S	124.23E	95–10	4.7b,4.4		
AUST	V	20 11 59 20.2–.19	8.87S	124.32E	92–0	4.7b,4.4		
DJA	V	20 11 59 21.8–.30	9S–3.0	124E–2.0	106–4	5.2b,5.1b		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
IDC	**V**	**21 15 30 06.1–1.3**	**9.21S**	**124.44E**	**0**	**4.1,4.1L**		¶16155995
IDC	Error ellipse: s-maj=81.9km s-min=22.9km az=64.0.							
ISC	**V**	**22 00 18 32.3–1.4**	**8.32S–.09**	**124.9E–.10**	**24**		**8 8-67**	
AUST	V	22 00 18 10.4–.02	7.12S	122.30E	74–1			¶16156006
IDC	V	22 00 18 30.2–1.7	8.39S	124.39E	0	3.7,3.7L		
ISC	Event type ke.							
AUST	Error ellipse: s-maj=2.5km s-min=1.3km az=319.0.							
IDC	Error ellipse: s-maj=118.1km s-min=26.4km az=65.0.							
ISC	**V**	**23 21 22 06.9–.57**	**9.38S–.05**	**124.49E–.07**	**25**	**4.0b,3.3s**	**47 2-144**	
ISCJB	V	23 21 22 04.8–.40	9.30S–.05	124.47E–.05	25	3.9b,3.2s		¶13679496
IDC	V	23 21 22 04.2–.85	9.32S	124.36E	0	4.0,3.9		
NEIC	V	23 21 22 08.7–.37	9.31S	124.52E	35	4.0b,3.9		
DJA	V	23 21 22 09.8–.40	9S–4.0	124E–5.0	53–30	4.8b,4.5b		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
IDC	**V**	**28 15 58 48.9–1.8**	**9.27S**	**125.74E**	**0**	**4.0,3.9L**		¶16156276
IDC	Error ellipse: s-maj=97.5km s-min=26.8km az=67.0.							
ISC	**V**	**30 16 16 01.6–4.9**	**9.4S–.20**	**123.7E–.20**	**100**		**8 8-67**	
IDC	V	30 16 15 54.6–1.5	9.09S	123.47E	0	4.0b,3.9		¶16066085
AUST	V	30 16 16 36.4	11.50S	125.03E	100	4.0b,3.9		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=219.5km s-min=24.3km az=57.0.							
IDC	**VI**	**01 05 25 57.7–1.8**	**9.35S**	**125.24E**	**0**	**4.0,3.9L**		¶16066148
IDC	Error ellipse: s-maj=94.7km s-min=27.5km az=66.0.							
ISC	**VI**	**05 18 08 36.1–.30**	**9.18S–.04**	**123.79E–.04**	**63–2**	**5.2b**	**384 2-155**	
BJI	VI	05 18 08 25.7	10.09S	124.30E	59	5.2b,5.2b		¶12933405
ISCJB	VI	05 18 08 32.9–.20	9.19S–.03	123.98E–.03	58	5.1b,3.9s		
MOS	VI	05 18 08 33.6–1.6	9.10S	123.50E	52	5.5b,3.9s		
NEIC	VI	05 18 08 35.2–.97	9.17S	123.73E	56–8	5.1b,3.9s		
IDC	VI	05 18 08 35.8–2.9	9.12S	123.63E	58–25	4.7,4.7		
DJA	VI	05 18 08 39.6–.20	9S–2.0	124E–2.0	69–5	5.5b,5.4		
GCMT	VI	05 18 08 41.6–.20	9.34S	123.88E	77–3	5.0W,5.4		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=142.6.							
MOS	Error ellipse: s-maj=11.3km s-min=5.9km az=111.1.							
NEIC	Event type se. Error ellipse: s-maj=9.3km s-min=5.4km az=63.0.							
IDC	Error ellipse: s-maj=15.6km s-min=9.3km az=69.0.							
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c51; s74,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}1.60±.15 $M_{\theta\theta}$1.18±.13; $M_{\phi\phi}$-2.78±.14; $M_{r\theta}$2.81±.08; $M_{\theta\phi}$-1.20±.13; $M_{\phi r}$1.24±.10; Best double couple: NP1:ϕ_s162.00000°,δ37.00000°,λ24.00000°. NP2:ϕ_s52.00000°,δ76.00000°,λ125.00000°. Principal axes: T 4.2100,Plg47.0000° ,Azm359.0000°; N -0.2500,Plg34.0000°,Azm223.0000°; P -3.9600,Plg23.0000° ,Azm116.0000° $M_0$4.10000×10^{16}							
IDC	**VI**	**07 01 18 23.9–2.1**	**8.39S**	**127.43E**	**0**	**3.9,3.8b**		¶16101040
IDC	Error ellipse: s-maj=272.7km s-min=32.0km az=62.0.							
IDC	**VI**	**07 20 41 18.1–1.8**	**8.77S**	**125.51E**	**0**	**3.6,3.4**		¶16101076
IDC	Error ellipse: s-maj=99.5km s-min=27.1km az=67.0.							
ISC	**VI**	**08 07 14 53.8–1.4**	**8.72S–.10**	**127.51E–.10**	**35**		**15 5-68**	
IDC	VI	08 07 14 47.9–1.6	8.52S	127.58E	0	4.2L,4.1		¶16101092
AUST	VI	08 07 15 13.1	10.48S	128.06E	0	4.2L,4.1		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=83.9km s-min=24.1km az=67.0.							
IDC	**VI**	**08 18 12 28.1–1.7**	**9.49S**	**125.18E**	**0**	**3.7,3.6L**		¶16101116
IDC	Error ellipse: s-maj=101.5km s-min=26.7km az=66.0.							
IDC	**VI**	**10 03 29 52.6–1.2**	**8.92S**	**127.00E**	**0**	**4.0,3.8**		¶16101170
IDC	Error ellipse: s-maj=55.5km s-min=24.5km az=77.0.							
IDC	**VI**	**10 06 24 41.7–1.8**	**9.00S**	**123.86E**	**0**	**3.7,3.6L**		¶16101174
IDC	Error ellipse: s-maj=125.1km s-min=27.2km az=63.0.							
IDC	**VI**	**10 14 02 20.8–1.8**	**8.10S**	**125.12E**	**0**	**4.0,3.8**		¶16101182
IDC	Error ellipse: s-maj=102.6km s-min=26.8km az=67.0.							
IDC	**VI**	**18 12 37 32.1–1.7**	**9.94S**	**125.40E**	**0**	**3.8b,3.6**		¶16101467
IDC	Error ellipse: s-maj=91.6km s-min=26.7km az=66.0.							
ISC	**VI**	**26 16 36 11.3–.63**	**8.9S–.10**	**124.2E–.20**	**74**	**3.9b**	**22 6-145**	
ISCJB	VI	26 16 36 09.4–.47	8.88S–.09	124.2E–.10	74	3.8b		¶16101753
IDC	VI	26 16 36 14.3–3.3	8.87S	124.17E	100–31	3.7,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=22.3km s-min=7.9km az=153.3.							
IDC	Error ellipse: s-maj=34.1km s-min=13.7km az=75.0.							
			(290) Timor Sea.					
IDC	**I**	**14 00 49 11.2–2.1**	**10.98S**	**125.43E**	**0**	**3.9,3.8b**		¶12081234
IDC	Error ellipse: s-maj=233.5km s-min=30.8km az=55.0.							
IDC	**I**	**24 22 19 50.3–1.9**	**8.17S**	**128.23E**	**0**	**3.7,3.5L**		¶12082256
IDC	Error ellipse: s-maj=77.0km s-min=25.3km az=78.0.							
IDC	**I**	**31 01 10 18.2–2.2**	**8.43S**	**129.78E**	**0**	**3.6,3.4**		¶12082777
IDC	Error ellipse: s-maj=73.2km s-min=30.4km az=77.0.							
IDC	**I**	**31 13 58 17.5–2.3**	**8.04S**	**129.72E**	**0**	**3.6L,3.6**		¶12082832
IDC	Error ellipse: s-maj=97.7km s-min=29.9km az=76.0.							
IDC	**II**	**16 11 08 07.3–2.1**	**8.28S**	**129.00E**	**0**	**3.5,3.4b**		¶15956264
IDC	Error ellipse: s-maj=96.8km s-min=32.9km az=66.0.							
ISC	**II**	**27 16 16 15.3–.61**	**8.60S–.06**	**128.05E–.08**	**35**	**4.0b,3.3s**	**29 4-127**	
IDC	II	27 16 16 09.0–.93	8.29S	128.12E	0	4.4L,4.3		¶12702019
ISCJB	II	27 16 16 13.1–.42	8.73S–.04	127.99E–.05	33	3.9b,3.3s		
DJA	II	27 16 16 24	8.79S	128.16E	185	4.4b,3.3s		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=43.2km s-min=19.2km az=66.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.7km s-min=4.7km az=155.5.							
IDC	**III**	**05 13 02 07.6–7.3**	**9.24S**	**127.18E**	**84–82**	**4.0L,3.8**		¶12702494
IDC	Error ellipse: s-maj=58.4km s-min=36.2km az=36.0.							
IDC	**III**	**06 09 48 37.9–6.1**	**8.15S**	**128.09E**	**230–66**	**3.4b,3.2**		¶12702554
IDC	Error ellipse: s-maj=65.5km s-min=31.2km az=61.0.							
ISC	**III**	**29 00 26 08.2–.79**	**9.01S–.07**	**127.0E–.10**	**35**	**3.9b**	**15 6-126**	
AUST	III	29 00 25 35.9	6.49S	127.52E	5	3.9b		¶12635821
IDC	III	29 00 26 03.8–1.1	8.69S	127.18E	0	4.0b,4.0		
ISCJB	III	29 00 26 06.5–.63	8.91S–.06	126.96E–.10	33	3.8b,4.0		
ISC	Event type ke.							
ISCJB	Event type ke.							
IDC	**III**	**29 18 12 27.2–1.6**	**10.09S**	**125.03E**	**0**	**3.8,3.7L**		¶12635881
IDC	Error ellipse: s-maj=96.5km s-min=23.2km az=62.0.							
IDC	**III**	**30 08 22 11.6–2.0**	**10.05S**	**125.04E**	**0**	**3.7s,3.7**		¶12635929
IDC	Error ellipse: s-maj=98.2km s-min=29.0km az=65.0.							
ISC	**IV**	**03 10 03 58.0–.95**	**8.59S–.06**	**129.1E–.10**	**35**		**12 5-73**	
ISCJB	IV	03 10 03 54.8–.70	8.64S–.05	129.0E–.10	33	3.5b		¶12934403
DJA	IV	03 10 04 01.8–.40	9S–3.0	129E–6.0	204–12	4.4,4.2		
IDC	IV	03 10 04 07.0–10	8.98S	128.95E	146–118	3.8L,3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=16.6km s-min=6.5km az=177.3.							
IDC	Error ellipse: s-maj=77.3km s-min=40.6km az=18.0.							
IDC	**IV**	**04 21 39 08.8–2.2**	**8.36S**	**129.99E**	**0**	**3.2,3.1**		¶16152387
IDC	Error ellipse: s-maj=117.2km s-min=28.7km az=68.0.							
IDC	**IV**	**22 22 31 14.3–1.8**	**10.06S**	**125.17E**	**0**	**3.7b,3.5s**		¶16153278
IDC	Error ellipse: s-maj=99.9km s-min=27.2km az=65.0.							
IDC	**V**	**03 04 47 32.4–2.2**	**8.26S**	**129.29E**	**0**	**3.7,3.7L**		¶16154857
IDC	Error ellipse: s-maj=76.4km s-min=29.5km az=76.0.							
ISC	**V**	**13 20 18 59.7–1.0**	**8.06S–.07**	**128.5E–.10**	**44**		**14 5-73**	
IDC	V	13 20 18 52.0–1.8	7.79S	128.54E	0	3.9,3.9L		¶15154296
AUST	V	13 20 19 00.1–.04	7.99S	128.42E	135–1	3.9,3.9L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=93.3km s-min=25.9km az=75.0.							
AUST	Error ellipse: s-maj=2.9km s-min=0.9km az=276.0.							
IDC	**V**	**26 20 25 55.6–2.0**	**10.07S**	**128.48E**	**0**	**3.5b,3.3**		¶16156192
IDC	Error ellipse: s-maj=75.7km s-min=28.2km az=73.0.							
IDC	**V**	**27 08 25 31.8–16**	**8.49S**	**129.26E**	**170–112**	**3.4b,3.3**		¶16156216
IDC	Error ellipse: s-maj=125.9km s-min=105.8km az=166.0.							
IDC	**VI**	**03 14 01 29.6–9.2**	**9.44S**	**127.02E**	**116–109**	**4.0L,3.7**		¶16100897
IDC	Error ellipse: s-maj=81.9km s-min=32.0km az=23.0.							
IDC	**VI**	**08 23 03 11.2–2.0**	**8.04S**	**129.94E**	**0**	**3.4,3.4b**		¶16101122
IDC	Error ellipse: s-maj=70.8km s-min=28.2km az=78.0.							
IDC	**VI**	**22 11 18 20.1–2.1**	**8.05S**	**129.44E**	**0**	**3.3,3.3**		¶16101608
IDC	Error ellipse: s-maj=93.7km s-min=28.0km az=76.0.							
			(291) South of Sumbawa.					
ISC	**I**	**27 00 57 39.3–.20**	**11.39S–.03**	**117.54E–.03**	**34**	**5.3b,4.3s**	**745 3-161**	
BJI	I	27 00 57 32.8	11.50S	117.50E	6	5.2b,5.2b		¶11625168
TEH	I	27 00 57 35.0	11.48S	117.49E	7	5.3L,5.2b		
NEIC	I	27 00 57 35.9–2.0	11.38S	117.55E	12–12	5.5b,5.2b		
DJA	I	27 00 57 36	11.62S	117.47E	13	5.4W,5.2b		
ISCJB	I	27 00 57 38.6–.22	11.36S–.03	117.52E–.03	47	5.3b,4.4s		
MOS	I	27 00 57 38.8–1.3	10.95S	117.64E	33	5.5b,4.4s		
IDC	I	27 00 57 40.8–.39	11.23S	117.61E	43–2	4.8,4.8		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=53.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=23.0.							
MOS	Error ellipse: s-maj=12.7km s-min=7.0km az=106.5.							
IDC	Error ellipse: s-maj=12.9km s-min=8.9km az=90.0.							
ISC	**II**	**01 16 36 11.7–.63**	**10.01S–.07**	**116.97E–.05**	**25**	**4.0b**	**23 2-91**	
DJA	II	01 16 36 12	9.75S	116.93E	10	4.6		¶12699344
IDC	II	01 16 36 14.3–.75	9.87S	117.12E	55–7	3.8,3.7		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=18.4km s-min=11.3km az=64.0.							
ISC	**II**	**26 00 59 04.3–.45**	**11.93S–.06**	**118.30E–.06**	**10**	**4.3b,3.1s**	**73 3-151**	
IDC	II	26 00 59 06.0–.62	11.36S	118.44E	0	4.3,4.3		¶11729479
DJA	II	26 00 59 05	11.85S	118.36E	10	5.1,4.3		
NEIC	II	26 00 59 10.8–.41	11.44S	118.50E	35	4.0b,4.3		
ISC	Event type se.							
IDC	Error ellipse: s-maj=25.8km s-min=13.8km az=66.0.							
NEIC	Event type se. Error ellipse: s-maj=15.6km s-min=7.3km az=61.0.							
ISC	**III**	**12 00 18 03.4–.96**	**11.7S–.10**	**117.2E–.10**	**26**		**9 8-66**	
IDC	III	12 00 17 59.7–3.7	11.39S	117.30E	0	3.8,3.7L		¶15153174
ISCJB	III	12 00 18 00.5–.88	11.6S–.10	117.3E–.10	26	3.6b,3.7L		
AUST	III	12 00 18 03.5	11.97S	116.90E	35	3.6b,3.7L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=243.7km s-min=24.8km az=47.0.							
ISCJB	Event type ke. Error ellipse: s-maj=23.2km s-min=11.2km az=34.7.							
ISC	**IV**	**20 04 42 02.9–.93**	**10.77S–.10**	**116.42E–.08**	**35**	**3.9b**	**19 2-91**	
IDC	IV	20 04 41 59.9–1.4	10.46S	116.12E	0	3.9b,3.8		¶12935774
ISCJB	IV	20 04 42 00.9–.89	10.76S–.09	116.44E–.07	33	3.9b,3.8		
DJA	IV	20 04 42 03.2–3.2	11S–10	116E–6.0	25–47	5.5b,5.0		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**IV**	**24 22 54 50.5–.50**	**11.46S–.05**	**118.95E–.05**	**35**	**4.0b**	**56 2-152**	
IDC	IV	24 22 54 45.2–.65	11.21S	119.18E	0	4.3,4.3L		¶15153935
ISCJB	IV	24 22 54 48.1–.32	11.49S–.03	118.98E–.03	33	4.0b,3.3s		

AUST IV 24 22 54 49.8 11.49S 118.94E 35 4.0b,3.3s
DJA IV 24 22 54 56.3–.50 11S–5.0 119E–3.0 92–17 5.4b,5.1
ISC Event type ke.
ISCJB Event type ke.
ISC IV 29 21 31 26.3–.35 10.61S–.04 118.85E–.03 59–2 4.8b,3.8s 250 2-152
BJI IV 29 21 31 16.1 11.50S 119.25E 56 5.1b,4.9b ¶15154016
IDC IV 29 21 31 19.3–.46 10.41S 118.90E 0 4.7,4.7L
AUST IV 29 21 31 19.7–1.2 10.54S 118.86E 0–0 4.7,4.7L
TEH IV 29 21 31 23.0 10.74S 118.76E 39 4.8L,4.7L
NEIC IV 29 21 31 24.8–.84 10.54S 118.83E 44–8 4.8b,4.7L
ISCJB IV 29 21 31 24.2–.40 10.65S–.03 118.78E–.02 58–4 4.8b,3.8s
DJA IV 29 21 31 25.7–.30 11S–3.0 119E–2.0 45–7 5.7b,5.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC V 03 03 04 06.8–1.2 11.43S–.09 118.76E–.09 35 15 9-81
AUST V 03 03 04 03.8 11.49S 118.43E 60 ¶15154081
IDC V 03 03 04 11.8–4.1 11.38S 119.16E 75–38 3.5L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=113.6km s-min=15.3km az=47.0.
ISC V 09 00 28 59.3–.64 11.22S–.06 118.62E–.05 33 4.3b 63 2-71
NEIC V 09 00 28 56.6–.75 11.30S 118.63E 10 4.6b ¶15154226
IDC V 09 00 28 56.2–1.0 10.71S 119.25E 0 4.5,4.3
ISCJB V 09 00 28 56.6–.33 11.25S–.03 118.57E–.03 33 4.7s,4.4b
AUST V 09 00 28 57.3–10 11.33S 118.81E 0–0 4.7s,4.4b
DJA V 09 00 29 00.0–.40 11S–3.0 119E–2.0 92–12 5.2b,4.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC V 09 01 49 19.0–3.4 10.27S 118.38E 0 3.6,3.6b
¶16155533
IDC Error ellipse: s-maj=269.2km s-min=25.6km az=48.0.
ISC V 09 04 54 23.1–.74 11.57S–.06 117.05E–.05 26 30 3-66
AUST V 09 04 54 20.6 11.47S 116.91E 0 ¶15154227
ISCJB V 09 04 54 21.7–.42 11.60S–.04 116.97E–.04 26 3.9b
DJA V 09 04 54 26.0–.90 11S–12 117E–5.0 70–66 5.3b,4.7
IDC V 09 04 54 30.5–2.7 11.30S 117.55E 76–26 3.6,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=140.4.
IDC Error ellipse: s-maj=27.3km s-min=13.6km az=62.0.
ISC V 18 05 38 29.7–1.4 10.1S–.10 118.9E–.30 10 8 1-19
AUST V 18 05 38 25.9–1.8 10.14S 120.28E 0–0 ¶15154390
ISCJB V 18 05 38 27.5–1.0 10.14S–.05 118.8E–.20 10
DJA V 18 05 38 34.1–1.4 10S–8.0 119E–10 5–7 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC V 27 00 26 07.8–1.3 11.2S–.20 117.6E–.40 35 3.4b 5 4-71
IDC V 27 00 26 04.2–2.6 10.43S 118.67E 0 3.5,3.4 ¶16156201
AUST V 27 00 26 14.2 11.96S 115.89E 100 3.5,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=210.2km s-min=21.3km az=51.0.
ISC VI 09 04 05 13.9–1.4 11.5S–.10 117.3E–.10 34 16 3-71
ISCJB VI 09 04 05 12.0–.81 11.4S–.10 117.3E–.10 34 3.7b,2.7s ¶13681020
IDC VI 09 04 05 12.5–4.0 11.54S 117.65E 0 3.8b,3.6
DJA VI 09 04 05 20.5–1.0 11S–5.0 117E–9.0 50 4.6b,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC VI 15 18 11 24.1–.66 11.36S–.07 117.98E–.07 36 4.2b 22 3-76
ISCJB VI 15 18 11 20.6–.53 11.35S–.05 118.17E–.05 33 4.1b ¶15156135
IDC VI 15 18 11 20.9–.87 11.08S 118.04E 0 4.1,4.1b
AUST VI 15 18 11 21.9 11.48S 117.93E 10 4.1,4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.1km az=139.7.
IDC Error ellipse: s-maj=36.7km s-min=16.4km az=65.0.
ISC VI 24 06 25 03.5–.90 11.6S–.10 117.15E–.08 26 4.2b 27 3-73
ISCJB VI 24 06 25 01.3–.65 11.56S–.07 117.22E–.06 26 3.9b ¶13681949
IDC VI 24 06 25 07.0–1.6 11.47S 117.33E 55–7 3.6,3.6b
DJA VI 24 06 25 10.6–.70 11S–8.0 117E–3.0 136–15 5.0b,4.6b
ISC Event type ke.
ISCJB Event type ke.

(292) South of Sumba.

IDC IV 25 09 22 14.6–1.6 11.08S 119.06E 0 4.0,4.0L
¶16153370
IDC Error ellipse: s-maj=53.5km s-min=16.8km az=53.0.
ISC V 27 08 27 40.4–1.0 11.19S–.07 120.0E–.10 35 14 2-67
IDC V 27 08 27 44.8–3.2 10.94S 120.15E 93–37 3.7,3.5 ¶15155539
AUST V 27 08 27 48.9–17 12.54S 119.93E 0–0 3.7,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=56.3km s-min=17.0km az=73.0.
AUST Error ellipse: s-maj=1.5km s-min=0.9km az=271.0.

(293) South of Timor.

ISC II 14 23 23 18.1–.66 11.45S–.06 123.50E–.08 35 4.0b 32 3-79
IDC II 14 23 23 14.0–.88 11.12S 123.56E 0 4.6L,4.3 ¶12700723
NEIC II 14 23 23 15.4–.68 11.23S 123.45E 10 4.6b,4.3
ISCJB II 14 23 23 16.1–.48 11.45S–.06 123.39E–.10 33 3.9b,4.3
DJA II 14 23 23 17.1–.50 11S–5.0 123E–7.0 10 6.0b,5.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC III 11 01 59 56.5–2.7 11.02S 122.99E 0 3.2b,3.2
¶12702939
IDC Error ellipse: s-maj=239.2km s-min=34.3km az=51.0.
IDC III 29 00 34 52.7–8.3 11.02S 123.90E 145–99 4.3s,4.3
¶12635823
IDC Error ellipse: s-maj=78.0km s-min=44.3km az=26.0.
IDC III 29 02 58 49.5–2.6 11.51S 122.79E 0 3.5b,3.4
¶12635832
IDC Error ellipse: s-maj=210.0km s-min=33.4km az=50.0.
ISC IV 09 02 01 51.9–1.0 12.52S–.09 122.33E–.08 35 13 6-73
AUST IV 09 02 01 45.4–1.6 11.74S 121.94E 57–0 ¶15153631
IDC IV 09 02 01 48.4–2.9 12.14S 122.62E 0 3.6,3.5
ISCJB IV 09 02 01 49.8–.85 12.53S–.08 122.47E–.05 33 4.2b,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC IV 19 16 21 05.6–2.0 11.67S 121.65E 0 3.4,3.2
¶16153073
IDC Error ellipse: s-maj=162.4km s-min=27.0km az=54.0.
ISC V 29 21 10 26.7–.75 12.38S–.07 122.03E–.08 35 3.7b 20 7-122
IDC V 29 21 10 22.6–.99 12.17S 122.12E 0 4.0,3.9 ¶15155576
ISCJB V 29 21 10 24.2–.64 12.35S–.05 122.08E–.06 33 3.6b,3.9
AUST V 29 21 10 27.9 12.50S 121.98E 35 3.6b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=47.2km s-min=18.0km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.6km az=140.2.
IDC VI 02 11 50 12.8–1.7 11.23S 122.52E 0 3.6,3.4
¶16066221
IDC Error ellipse: s-maj=137.2km s-min=26.5km az=57.0.

SEISMIC REGION 25.
Myanmar and Southeast Asia.

(294) Myanmar-India border region.

ISC I 05 17 26 41.7–1.3 25.3N–.10 94.8E–.10 88–12 3.6b 40 3-123
IDC I 05 17 26 42.4–2.1 25.33N 95.22E 90–16 3.5,3.3b ¶11712612
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=14.5km az=63.0.
ISC I 07 00 19 46.0–2.4 27.1N–.10 95.0E–.10 35 3.4b 26 3-87
IDC I 07 00 19 33.8–1.3 26.29N 95.12E 0 3.6,3.5 ¶11712629
ISC Event type ke.
IDC Error ellipse: s-maj=79.6km s-min=25.7km az=56.0.
ISC I 08 14 00 56.1–.94 25.5N–.10 95.02E–.10 85 3.5b 9 3-62
ISCJB I 08 14 00 54.4–.74 25.49N–.10 95.05E–.08 85 3.4b ¶12080744
IDC I 08 14 00 57.9–3.6 25.50N 95.11E 106–37 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=9.8km az=19.2.
IDC Error ellipse: s-maj=66.7km s-min=14.7km az=65.0.
IDC I 22 23 41 20.7–5.6 23.23N 94.28E 53–47 3.7s,3.7
¶12082087
IDC Error ellipse: s-maj=138.2km s-min=15.9km az=59.0.
IDC I 26 20 09 17.9–5.6 22.91N 93.66E 77–45 3.2L,3.1
¶12082405
IDC Error ellipse: s-maj=117.4km s-min=25.1km az=60.0.
ISC I 29 22 46 03.5–.60 23.3N–.10 93.80E–.10 73 4.1b 78 7-87
ISCJB I 29 22 46 01.8–.46 23.2N–.10 93.70E–.08 73 4.0b ¶11677736
NEIC I 29 22 46 03.5–.65 23.34N 93.97E 76–6 4.5b
IDC I 29 22 46 06.2–3.0 23.47N 94.21E 104–30 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=4.3km az=35.3.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=6.0km az=224.0.
IDC Error ellipse: s-maj=48.9km s-min=12.2km az=55.0.
ISC II 06 07 32 34.7–.63 24.14N–.06 94.47E–.06 25–4 4.2b,3.4s 123 1-149
IDC II 06 07 32 30.4–.74 24.18N 94.68E 0 4.2,4.0 ¶12699651
ISCJB II 06 07 32 34.4–.69 24.10N–.05 94.46E–.05 37–6 4.2b,3.4s
MOS II 06 07 32 34.8–.96 24.17N 94.70E 42 4.4b,3.4s
BJI II 06 07 32 35.8 24.30N 94.42E 37 4.6b,4.1b
NEIC II 06 07 32 37.7–.78 24.16N 94.67E 54–8 4.2b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=17.4km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.3km az=33.9.
MOS Error ellipse: s-maj=15.9km s-min=6.3km az=116.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.1km az=61.0.
ISC II 10 03 22 56.0–1.2 24.6N–.20 94.7E–.10 82 3.3b 7 1-29
IDC II 10 03 22 49.1–2.2 24.90N 94.85E 0 4.2L,3.7 ¶15955345
ISCJB II 10 03 22 54.7–.97 24.6N–.10 94.8E–.10 82 3.4b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC II 24 17 46 16.1–.33 25.88N–.03 94.56E–.03 32–2 4.6b,3.6s 353 1-155
ISCJB II 24 17 46 12.0–1.3 25.84N–.03 94.58E–.02 15–8 4.5b,3.7s ¶13435063
MOS II 24 17 46 14.5–1.3 25.85N 94.58E 33 4.8b,3.7s
LDG II 24 17 46 14.6–.38 26.04N 94.10E 10 4.7b,3.7s
BJI II 24 17 46 14.5 25.89N 94.58E 31 4.8b,4.7b
TEH II 24 17 46 16.0 25.90N 94.71E 32 4.6L,4.7b
NEIC II 24 17 46 16.1–.23 25.84N 94.67E 33 4.8b,4.7b
IDC II 24 17 46 16.0–.52 25.81N 94.58E 34–3 4.1,4.0b
DJA II 24 17 46 21 25.83N 94.77E 63 4.8b,4.0b
SZGRF II 24 17 46 24.0 24.51N 96.00E 33 4.7b,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=14.1.
MOS Error ellipse: s-maj=9.1km s-min=5.0km az=119.6.
LDG Event type ke. Error ellipse: s-maj=17.5km s-min=10.0km az=156.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.8km az=45.0.
IDC Error ellipse: s-maj=14.9km s-min=10.4km az=49.0.
SZGRF Myanmar.
IDC II 24 19 02 22.5–4.1 25.65N 94.49E 0 3.5,3.2
¶15957179
IDC Error ellipse: s-maj=375.3km s-min=27.3km az=60.0.
ISC III 06 18 31 20.9–1.3 24.3N–.30 94.6E–.20 96 3.2b 7 1-61
IDC III 06 18 31 11.1–4.1 24.67N 95.48E 0 3.3,3.0b ¶12702580
ISCJB III 06 18 31 19.3–1.0 24.1N–.20 94.5E–.20 96 3.0b,3.0b
ISC Event type ke.
ISCJB Event type ke.
ISC III 06 20 58 17.3–1.4 23.1N–.20 94.5E–.20 10 3.4b 6 2-60
IDC III 06 20 58 16.7–5.2 23.32N 94.96E 0 3.6,3.4b ¶12702586
ISC Event type ke.
IDC Error ellipse: s-maj=465.8km s-min=26.1km az=60.0.
IDC III 08 16 56 21.1–4.5 22.23N 93.81E 77–38 3.4L,3.3
¶12702740
IDC Error ellipse: s-maj=75.6km s-min=18.3km az=61.0.
ISC III 10 05 22 41.9–2.8 23.7N–.30 93.35E–.09 57 3.4b 28 1-61
IDC III 10 05 22 31.3–1.5 23.48N 93.93E 0 3.6,3.5b ¶12054507
ISC Event type ke.
IDC Error ellipse: s-maj=69.3km s-min=19.8km az=62.0.
ISC III 14 05 48 21.5–1.0 23.6N–.20 94.6E–.20 10 3.6b 9 1-61
ISCJB III 14 05 48 19.7–.87 23.5N–.10 94.6E–.20 10 3.4b ¶12703228
IDC III 14 05 48 20.2–1.6 23.65N 94.71E 0 3.9L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.3km s-min=7.9km az=147.8.
IDC Error ellipse: s-maj=80.9km s-min=18.2km az=64.0.
IDC III 24 19 51 29.1–2.4 22.58N 93.62E 0 3.4,3.3b
¶12635489
IDC Error ellipse: s-maj=145.5km s-min=24.0km az=58.0.
ISC III 27 16 42 31.3–.85 22.7N–.10 93.43E–.10 59 3.6b 29 2-61
ISCJB III 27 16 42 29.8–.53 22.8N–.10 93.6E–.10 59 3.5b ¶12612770
IDC III 27 16 42 33.7–3.5 22.89N 93.85E 73–33 4.1L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.8km s-min=5.1km az=37.7.
IDC Error ellipse: s-maj=44.6km s-min=14.6km az=59.0.
ISC III 29 18 13 27.6–.85 23.5N–.10 94.1E–.10 99 4.1b 40 1-87
IDC III 29 18 13 26.9–3.5 23.64N 94.55E 97–33 3.9,3.8b ¶12612782
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=12.1km az=57.0.
ISC IV 02 16 08 37.3–.92 23.8N–.10 94.00E–.09 68 3.3b 23 1-61
IDC IV 02 16 08 30.4–1.9 23.87N 94.14E 0 3.4,3.3 ¶12741995
ISCJB IV 02 16 08 36.6–.79 23.88N–.08 94.00E–.07 68 3.2b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC IV 17 21 14 24.3–.43 25.31N–.04 95.03E–.03 94–3 4.5b 468 1-154
MOS IV 17 21 14 15.5–.87 25.33N 95.25E 33 4.8b ¶13438787
LDG IV 17 21 14 15.4–.33 25.06N 94.87E 33 4.5b,3.6s
BJI IV 17 21 14 21.2 25.34N 95.02E 89 4.8b,4.8b
ISCJB IV 17 21 14 21.6–.47 25.41N–.03 94.98E–.02 77–4 4.5b,4.8b
IDC IV 17 21 14 23.9–2.0 25.42N 95.23E 88–17 4.2,4.2
NEIC IV 17 21 14 25.5–.66 25.32N 95.10E 105–6 4.6b,4.2
DJA IV 17 21 14 31.7–1.0 25N–9.0 95E–11 150–12 5.5b,5.0
ISC Event type fe.
LDG Event type ke.
ISCJB Event type fe.
NEIC Event type fe. Felt at Jorhat, India.
ISC V 05 09 23 01.6–.51 23.45N–.05 94.66E–.05 110–4 4.3b 124 6-154
BJI V 05 09 22 49.3 23.27N 94.68E 15 4.6b,4.5b ¶12754079
ISCJB V 05 09 22 57.5–.76 23.46N–.04 94.68E–.04 84–7 4.3b,4.5b
IDC V 05 09 23 02.4–.63 23.50N 94.72E 115–5 4.0,3.9
NEIC V 05 09 23 02.1–.24 23.50N 94.73E 113 4.7b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=26.0.
IDC Error ellipse: s-maj=19.8km s-min=9.1km az=59.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=4.5km az=58.0.
ISC V 15 09 58 54.0–.60 24.7N–.10 94.88E–.09 112 4.1b 41 3-144
ISCJB V 15 09 58 51.9–.51 24.65N–.09 95.03E–.06 112 4.1b ¶13065840
IDC V 15 09 58 54.9–.81 24.58N 95.05E 127–7 3.8,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=6.4km az=23.7.
IDC Error ellipse: s-maj=37.0km s-min=11.2km az=52.0.
ISC V 15 15 06 33.6–.40 24.52N–.04 94.37E–.04 78–3 4.5b 275 2-162
LDG V 15 15 06 25.4–.27 24.12N 94.40E 33 4.6b ¶12952801
MOS V 15 15 06 27.6–1.0 24.48N 94.55E 41 4.8b
ISCJB V 15 15 06 30.4–.56 24.55N–.04 94.48E–.04 65–5 4.4b
BJI V 15 15 06 32.5 24.69N 94.51E 78 4.4b,4.4b
NEIC V 15 15 06 32.9–.21 24.58N 94.56E 74 4.7b,4.4b
IDC V 15 15 06 33.4–.54 24.53N 94.55E 74–4 4.1,4.0b

DJA V 15 15 06 36.9–1.3 25N–7.0 95E–12 79–18 6.2,5.0
ISC Event type ke.
LDG Event type ke.
ISCJB Event type ke.
NEIC Event type se.
IDC V 27 07 28 47.9–4.0 23.32N 94.31E 116–38 3.3,3.1
¶16156215
IDC Error ellipse: s-maj=64.3km s-min=16.8km az=57.0.
ISC V 27 17 03 43.7–3.8 23.3N–.30 94.0E–.20 200 3.1b 14 3-61
IDC V 27 17 03 09.6–1.8 21.43N 93.00E 0 3.5,3.4b **¶13469855**
ISC Event type ke.
IDC Error ellipse: s-maj=76.0km s-min=25.0km az=53.0.
ISC VI 03 18 43 00.2–.48 23.39N–.06 93.15E–.04 56 4.1b 101 2-86
ISCJB VI 03 18 42 57.6–.33 23.28N–.04 93.01E–.03 56 4.1b **¶13439898**
NEIC VI 03 18 42 59.8–.67 23.36N 93.21E 45–8 4.3b
IDC VI 03 18 43 02.7–3.9 23.45N 93.50E 69–35 4.4L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.4km az=29.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.8km az=220.0.
IDC Error ellipse: s-maj=22.7km s-min=12.4km az=56.0.
ISC VI 03 19 03 10.8–.47 23.22N–.06 93.84E–.05 58 4.3b 125 2-125
ISCJB VI 03 19 03 08.8–.33 23.22N–.04 93.74E–.04 58 4.3b **¶13469902**
NEIC VI 03 19 03 09.4–.55 23.17N 93.81E 46–6 4.5b
IDC VI 03 19 03 10.3–3.6 23.22N 94.01E 52–33 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.8km az=30.7.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=4.7km az=224.0.
IDC Error ellipse: s-maj=26.6km s-min=10.9km az=57.0.
IDC VI 07 13 24 28.0–1.2 27.75N 96.11E 0 3.7,3.6b
¶16101060
IDC Error ellipse: s-maj=124.7km s-min=16.6km az=61.0.
ISC VI 18 17 18 45.6–1.3 24.8N–.20 94.3E–.20 53–13 3.3b 8 0-62
ISCJB VI 18 17 18 45.2–.88 24.8N–.20 94.2E–.20 63–10 3.3b **¶16101475**
IDC VI 18 17 18 49.8–4.2 24.85N 94.36E 91–38 3.2,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.8km s-min=14.0km az=44.5.
IDC Error ellipse: s-maj=59.3km s-min=19.7km az=72.0.
IDC VI 25 18 14 19.1–3.8 24.53N 94.78E 93–35 3.4,3.2
¶16101722
IDC Error ellipse: s-maj=129.9km s-min=16.8km az=64.0.
ISC VI 29 20 33 40.0–1.0 24.2N–.10 93.14E–.08 35 3.5b 10 1-62
IDC VI 29 20 33 32.2–2.1 23.99N 92.53E 0 3.6,3.5b **¶16101872**
ISCJB VI 29 20 33 37.0–.89 24.09N–.07 93.04E–.08 33 3.5b,3.5b
ISC Event type ke.
ISCJB Event type ke.

(295) Myanmar-Bangladesh border region.

IDC V 16 10 08 52.3–1.8 21.65N 92.87E 0 3.9,3.7
¶16155802
IDC Error ellipse: s-maj=111.7km s-min=19.9km az=57.0.
IDC VI 29 12 13 32.2–1.7 21.14N 92.47E 0 3.9,3.8L
¶16101859
IDC Error ellipse: s-maj=89.0km s-min=21.8km az=55.0.

(296) Myanmar.

ISC I 01 18 55 29.6–1.2 21.0N–.20 94.5E–.10 97 3.1b 22 5-69
IDC I 01 18 55 20.4–1.6 21.28N 94.28E 0 3.8L,3.8 **¶11712484**
ISC Event type ke.
IDC Error ellipse: s-maj=37.4km s-min=25.5km az=51.0.
ISC I 16 09 31 46.1–1.3 19.9N–.10 94.79E–.08 83–10 4.2b 87 4-128
IDC I 16 09 31 49.4–2.5 19.96N 95.18E 107–21 4.0,3.9b **¶13405751**
NEIC I 16 09 31 49.7–.48 19.98N 95.17E 109–4 4.4b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=13.6km az=49.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=3.7km az=215.0.
IDC I 31 14 25 33.0–6.4 21.81N 94.22E 0 3.4,3.2b
¶12082836
IDC Error ellipse: s-maj=508.2km s-min=30.4km az=60.0.
ISC II 10 04 54 53.1–1.2 26.16N–.09 97.7E–.10 35 3.2b 6 5-29
IDC II 10 04 54 48.2–1.8 26.19N 97.84E 0 4.1L,3.5 **¶15955347**
ISCJB II 10 04 54 50.8–.92 26.10N–.07 97.75E–.10 33 3.2b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC II 12 18 30 20.9–13 17N–2.0 96.4E–.50 10 3.7b 9 3-41
IDC II 12 18 30 23.5–2.1 17.91N 96.45E 0 4.6L,3.7b **¶12083163**
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=15.5km az=11.0.
BJI II 13 18 44 19.5 22.48N 97.05E 18 3.5L
¶13434598
ISC II 15 06 43 48.0–.71 25.56N–.08 96.75E–.10 25 3.6b 15 5-92
BJI II 15 06 43 39.5 25.86N 96.28E 16 3.4L,3.2 **¶12700768**
IDC II 15 06 43 43.3–.91 25.34N 96.58E 0 3.8,3.7
ISCJB II 15 06 43 45.5–.61 25.4N–.10 96.6E–.20 25 3.7b,3.6s
ISC Event type ke.
ISCJB Event type ke.
ISC II 21 11 13 16.4–1.1 22.7N–.20 94.6E–.30 100 3.9b 7 2-60
ISCJB II 21 11 13 14.4–.97 22.7N–.10 94.5E–.20 100 3.6b **¶15956871**
IDC II 21 11 13 18.6–3.9 22.84N 94.98E 114–35 3.5,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.5km s-min=8.0km az=146.9.
IDC Error ellipse: s-maj=91.7km s-min=21.4km az=60.0.
IDC II 26 15 34 37.0–2.3 21.68N 94.67E 104–19 3.8,3.8b
¶15957365
IDC Error ellipse: s-maj=58.9km s-min=12.4km az=60.0.
IDC II 27 20 48 08.6–2.9 17.29N 95.01E 0 3.6b,3.5
¶15957478
IDC Error ellipse: s-maj=45.5km s-min=23.4km az=10.0.
ISC II 27 23 53 52.1–3.3 20.5N–.20 94.0E–.20 52 3.4b 23 5-56
IDC II 27 23 53 51.2–7.0 20.47N 94.53E 91–57 3.9L,3.3 **¶12054430**
ISC Event type ke.
IDC Error ellipse: s-maj=119.8km s-min=22.5km az=60.0.
ISC III 03 01 27 41.9–.41 24.82N–.05 95.11E–.03 116–3 4.7b 402 1-149
ISCJB III 03 01 27 39.0–.53 24.79N–.05 95.15E–.03 104–4 4.6b **¶13435428**
MOS III 03 01 27 40.3–.87 24.84N 95.27E 116 4.7b
NEIC III 03 01 27 41.8–.23 24.82N 95.18E 116 4.7b
BJI III 03 01 27 41.6 24.88N 95.13E 129 4.8b,4.6b
IDC III 03 01 27 42.1–.69 24.88N 95.34E 117–6 4.3,4.2
LDG III 03 01 27 44.1–.44 25.10N 94.60E 119 4.4b,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.4km az=14.3.
MOS Error ellipse: s-maj=11.2km s-min=4.2km az=125.7.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.0km az=22.0.
IDC Error ellipse: s-maj=12.7km s-min=8.2km az=43.0.
LDG Event type ke. Error ellipse: s-maj=28.3km s-min=11.6km az=179.0.
IDC III 04 15 05 38.2–1.3 23.74N 95.13E 0 3.7,3.6b
¶12702431
IDC Error ellipse: s-maj=63.2km s-min=16.5km az=61.0.
ISC III 07 21 13 21.7–1.2 26.5N–.20 96.9E–.20 35 3.4b 14 8-61
IDC III 07 21 13 17.3–1.2 26.54N 97.49E 0 3.5,3.4b **¶12702665**
ISCJB III 07 21 13 18.8–.95 26.4N–.10 96.8E–.10 33 3.4b,3.4b
ISC Event type ke.
ISCJB Event type ke.
ISC III 12 16 56 51.0–.80 23.0N–.10 95.9E–.20 32 3.5b 12 3-59
IDC III 12 16 56 46.3–1.2 23.05N 95.98E 0 4.3L,3.7 **¶12703091**
ISCJB III 12 16 56 48.7–.79 23.0N–.10 95.9E–.10 32 3.7s,3.5b
ISC Event type ke.
ISCJB Event type ke.
IDC III 14 03 26 29.1–5.7 20.96N 94.89E 160–69 3.4,3.3b
¶12703219
IDC Error ellipse: s-maj=77.2km s-min=30.0km az=78.0.
ISC III 30 22 21 11.9–1.0 24.7N–.10 96.10E–.09 10 3.5b 8 2-58
ISCJB III 30 22 21 10.2–.82 24.6N–.10 96.23E–.08 10 3.3b **¶12635987**
IDC III 30 22 21 10.5–1.2 24.66N 96.13E 0 3.5L,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=10.2km az=20.7.
IDC Error ellipse: s-maj=57.3km s-min=18.5km az=63.0.
ISC IV 06 16 24 30.2–1.4 23.8N–.40 95.9E–.20 36 3.7b 6 2-60
IDC IV 06 16 24 25.3–4.1 24.04N 96.41E 0 3.8,3.5 **¶16152466**
ISCJB IV 06 16 24 28.1–1.1 23.8N–.30 96.0E–.20 36 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC IV 11 05 40 01.6–1.0 21.3N–.20 94.0E–.20 56 3.5b 9 5-87
ISCJB IV 11 05 39 59.8–.88 21.3N–.20 94.1E–.20 56 3.5b **¶16152652**
IDC IV 11 05 40 05.1–4.3 21.32N 94.20E 90–39 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.2km s-min=9.3km az=145.7.
IDC Error ellipse: s-maj=54.1km s-min=19.2km az=57.0.
IDC IV 20 08 44 25.9–8.3 17.05N 95.07E 84–73 4.0L,3.4
¶16153124
IDC Error ellipse: s-maj=63.7km s-min=23.7km az=57.0.
ISC IV 26 23 10 11.7–1.2 24.6N–.20 95.1E–.20 112 3.5b 6 1-59
ISCJB IV 26 23 10 10.0–1.0 24.6N–.10 95.0E–.10 112 3.5b **¶16154537**
IDC IV 26 23 10 11.2–8.6 24.65N 95.08E 106–132 3.6L,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.2km s-min=10.8km az=28.4.
IDC Error ellipse: s-maj=165.4km s-min=70.3km az=82.0.
IDC IV 27 10 29 35.7–5.4 22.76N 94.52E 0 3.4,3.2
¶16154556
IDC Error ellipse: s-maj=449.5km s-min=27.9km az=60.0.
IDC IV 29 10 10 57.4–4.4 23.39N 95.68E 0 3.6,3.4
¶16154615
IDC Error ellipse: s-maj=411.2km s-min=27.8km az=59.0.
ISC IV 29 23 31 25.2–.39 22.91N–.06 94.38E–.06 105 4.2b 91 2-154
ISCJB IV 29 23 31 23.5–.28 22.91N–.04 94.36E–.04 105 4.2b **¶13439202**
IDC IV 29 23 31 26.1–.72 22.96N 94.54E 112–6 3.9,3.8
NEIC IV 29 23 31 26.1–.20 22.96N 94.54E 114 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.5km az=135.6.
IDC Error ellipse: s-maj=16.6km s-min=10.3km az=57.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=3.9km az=59.0.
ISC V 09 04 39 57.1–.95 21.5N–.10 94.3E–.10 97 3.6b 26 5-59
IDC V 09 04 39 58.8–4.0 21.73N 94.80E 101–37 3.5,3.4b **¶13439435**
ISC Event type ke.
IDC Error ellipse: s-maj=70.2km s-min=16.4km az=58.0.
ISC V 11 13 06 54.6–.84 20.1N–.10 94.6E–.10 52 4.0b 16 4-83
ISCJB V 11 13 06 53.4–.67 20.2N–.10 94.8E–.10 52 3.9b,2.8s **¶13439504**
IDC V 11 13 06 57.2–4.0 20.31N 94.85E 76–35 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.3km s-min=6.3km az=41.2.
IDC Error ellipse: s-maj=39.8km s-min=15.2km az=58.0.
ISC V 16 15 54 50.2–.85 22.5N–.20 94.2E–.20 88 3.7b 30 6-67
IDC V 16 15 54 38.8–1.1 22.34N 93.92E 0 3.8,3.7 **¶13065850**
ISCJB V 16 15 54 49.0–.67 22.6N–.20 94.2E–.10 88 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
IDC V 17 08 22 31.0–2.9 17.87N 95.98E 0 3.8,3.7b
¶16155835
IDC Error ellipse: s-maj=70.4km s-min=15.5km az=0.0.
ISC V 19 07 34 57.0–.54 25.30N–.07 96.54E–.07 25 3.9b 62 4-109
IDC V 19 07 34 53.3–.65 25.31N 96.47E 0 4.5L,4.0 **¶12863050**
ISCJB V 19 07 34 54.8–.42 25.18N–.06 96.38E–.06 25 4.2s,3.9b
NEIC V 19 07 34 59.1–1.1 25.23N 96.46E 44–12 4.2b,3.9b
BJI V 19 07 35 00.2 25.73N 96.45E 43 4.9b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=11.9km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.9km az=35.8.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=7.4km az=55.0.
ISC V 24 17 15 21.8–.82 24.8N–.20 95.0E–.10 104 3.6b 13 3-66
ISCJB V 24 17 15 19.8–.67 24.8N–.10 95.1E–.10 104 3.6b **¶13439776**
IDC V 24 17 15 24.3–3.4 24.77N 95.09E 133–34 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.4km s-min=9.3km az=33.4.
IDC Error ellipse: s-maj=91.0km s-min=14.5km az=57.0.
IDC VI 04 12 37 42.2–4.5 21.26N 93.08E 0 4.1s,3.9
¶16100939
IDC Error ellipse: s-maj=102.6km s-min=35.5km az=46.0.
ISC VI 06 07 20 09.0–1.2 22.5N–.10 94.4E–.10 106 4.2b 26 2-62
IDC VI 06 07 19 54.3–1.5 21.77N 93.35E 0 4.0,3.9b **¶13469918**
ISCJB VI 06 07 20 09.1–.98 22.62N–.09 94.37E–.08 106 3.9b,3.9b
ISC Event type ke.
ISCJB Event type ke.
IDC VI 12 21 42 24.4–1.1 20.43N 93.47E 0 4.2L,3.9
¶16101255
IDC Error ellipse: s-maj=39.9km s-min=14.9km az=48.0.
ISC VI 25 01 24 02.2–1.0 22.8N–.20 94.0E–.20 100 3.6b 13 6-61
IDC VI 25 01 24 02.2–5.6 22.81N 94.03E 101–48 3.4b,3.4 **¶13584560**
ISC Event type ke.
IDC Error ellipse: s-maj=141.2km s-min=21.2km az=60.0.

(297) Myanmar-China border region.

ISC I 06 01 29 46.6–.86 22.70N–.04 100.77E–.06 10 3.5b 18 2-56
ISCJB I 06 01 29 44.2–.77 22.70N–.04 100.78E–.05 10 3.5b,3.3s **¶12080441**
BJI I 06 01 29 45.0 22.47N 100.68E 24 4.4b,4.4b
IDC I 06 01 29 47.0–1.1 22.71N 100.24E 0 3.6,3.6b
PLV I 06 01 29 46.9–2.1 22.76N 100.82E 17–21 3.1,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=139.2.
IDC Error ellipse: s-maj=29.6km s-min=15.9km az=87.0.
PLV Error ellipse: s-maj=29.8km s-min=21.3km az=-1.0.
ISC I 12 09 31 16.5–.78 25.2N–.10 98.06E–.05 10 3.9b 22 4-60
ISCJB I 12 09 31 12.8–.59 25.0N–.10 98.01E–.04 10 3.7b,3.5s **¶12081098**
IDC I 12 09 31 15.0–.98 25.17N 98.22E 0 4.0L,3.9
BJI I 12 09 31 17.1 25.02N 97.74E 32 3.6L,3.9
DMN I 12 09 33 26.6–.26 27.25N 87.52E 10 3.6L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=5.1km az=6.1.
IDC Error ellipse: s-maj=51.3km s-min=14.2km az=73.0.
DMN Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=0.0.
ISC I 12 10 39 58.1–1.2 24.95N–.10 97.84E–.10 10 3.5b 8 4-60
IDC I 12 10 39 56.8–1.2 25.08N 97.95E 0 3.7,3.6b **¶12081101**
ISC Event type ke.
IDC Error ellipse: s-maj=59.6km s-min=17.9km az=69.0.
ISC I 19 10 01 25.7–.84 25.13N–.09 98.25E–.06 10 3.8b 13 4-60
BJI I 19 10 01 23.1 24.98N 97.79E 10 4.0b,3.9L **¶12081739**
ISCJB I 19 10 01 24.1–.65 25.10N–.08 98.36E–.06 10 3.6b,3.9L
IDC I 19 10 01 24.1–.97 25.11N 98.32E 0 4.0L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=7.1km az=8.0.
IDC Error ellipse: s-maj=37.8km s-min=14.2km az=75.0.
ISC I 20 04 03 03.9–.94 22.16N–.04 101.34E–.04 14–7 3.9b,3.4s 55 2-91
BJI I 20 04 03 01.2 22.14N 101.25E 10 4.6b,4.5L **¶12081827**
PLV I 20 04 03 02.1–1.3 22.30N 101.33E 10–10 3.2,4.5L
NEIC I 20 04 03 03.4–3.6 22.23N 101.40E 12–25 4.0b,4.5L
IDC I 20 04 03 04.8–.99 22.39N 100.71E 0 3.9,3.9L
ISC Event type se.
PLV Error ellipse: s-maj=13.6km s-min=9.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.4km az=155.0.
IDC Error ellipse: s-maj=31.6km s-min=16.6km az=87.0.
ISC II 23 11 31 11.6–1.2 25.6N–.10 98.99E–.09 10 3.7b 7 3-60
ISCJB II 23 11 31 08.8–.62 25.54N–.08 99.23E–.06 10 3.8b **¶12701634**
IDC II 23 11 31 09.3–.86 25.58N 99.29E 0 4.0L,3.9
BJI II 23 11 31 12.7 25.71N 99.10E 21 4.2b,4.0L

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.8km az=21.8.
IDC Error ellipse: s-maj=32.0km s-min=14.7km az=70.0.
BJI II 23 15 57 38.2 22.92N 100.93E 13 3.6L
¶13435023
ISC II 24 11 54 09.8–.84 22.91N–.09 101.0E–.20 10 3.5b 9 3-56
BJI II 24 11 54 06.9 22.69N 100.90E 5 4.0L **¶12701739**
ISCJB II 24 11 54 07.6–.86 22.96N–.09 101.2E–.10 10 3.4b
IDC II 24 11 54 12.9–7.0 22.88N 101.01E 34–64 3.8L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.7km s-min=7.8km az=30.6.
IDC Error ellipse: s-maj=52.5km s-min=21.1km az=66.0.
ISC III 07 03 19 18.5–1.2 24.90N–.10 98.02E–.10 10 3.6b 7 4-60
IDC III 07 03 19 18.7–1.2 25.11N 98.06E 0 3.7,3.6b **¶12702607**
ISC Event type ke.
IDC Error ellipse: s-maj=62.3km s-min=16.7km az=74.0.
IDC III 26 18 44 56.4–1.5 25.00N 98.31E 0 3.5L,3.1b
¶12635646
IDC Error ellipse: s-maj=52.2km s-min=18.3km az=84.0.
IDC IV 25 17 07 01.1–1.5 26.31N 98.28E 0 3.7,3.5b
¶16153387
IDC Error ellipse: s-maj=96.0km s-min=25.8km az=63.0.
ISC V 27 20 38 56.8–2.1 21.2N–.10 101.75E–.08 4–19 3.4b 18 1-52
PLV V 27 20 38 55.0–1.7 21.40N 101.66E 3–12 3.1 **¶13679765**
IDC V 27 20 38 57.5–1.2 21.32N 101.73E 0 3.8L,3.5
ISC Event type ke.
PLV Error ellipse: s-maj=23.2km s-min=10.8km az=-1.0.
IDC Error ellipse: s-maj=26.7km s-min=17.2km az=109.0.
ISC V 28 08 41 48.2–1.6 21.50N–.07 101.83E–.05 12–13 18 1-11
PLV V 28 08 41 46.4–1.7 21.64N 101.77E 11–12 3.0 **¶13840105**
BJI V 28 08 41 47.3 21.41N 101.77E 15 4.1L
ISC Event type ke.
PLV Error ellipse: s-maj=25.1km s-min=12.4km az=-1.0.
ISC VI 20 22 21 17.4–.62 22.88N–.05 101.01E–.05 10 3.9b,3.3s 38 2-56
ISCJB VI 20 22 21 15.0–.36 23.01N–.04 101.15E–.03 10 3.8b,3.0s **¶13366430**
PLV VI 20 22 21 14.2–3.0 23.01N 100.99E 17–32 3.5,3.0s
IDC VI 20 22 21 15.6–.89 23.03N 101.16E 0 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.4km az=31.1.
PLV Error ellipse: s-maj=44.0km s-min=34.3km az=-1.0.
IDC Error ellipse: s-maj=35.8km s-min=15.8km az=73.0.
ISC VI 27 08 04 55.9–.92 25.1N–.10 97.97E–.05 10 3.7b 8 4-60
ISCJB VI 27 08 04 54.5–.95 25.1N–.10 98.11E–.07 10 3.7s,3.5b **¶13367245**
IDC VI 27 08 04 54.9–1.3 25.09N 98.10E 0 4.1L,3.7
BJI VI 27 08 04 58.1 24.99N 97.91E 8 4.0L,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=8.7km az=4.7.
IDC Error ellipse: s-maj=57.4km s-min=17.5km az=73.0.

(298) Near south coast of Myanmar.

ISC I 21 01 42 24.6–.47 15.60N–.05 96.06E–.04 34–1 4.7b,4.5s 288 4-152
ISCJB I 21 01 42 18.8–1.0 15.56N–.04 96.06E–.03 7–6 4.6b,4.5s **¶11615802**
IDC I 21 01 42 19.1–.55 15.49N 96.04E 0 5.2L,4.4
BJI I 21 01 42 19.6 15.20N 96.04E 34 5.0s,4.8b
MOS I 21 01 42 22.7–.88 15.60N 96.14E 33 4.9b,4.6s
NEIC I 21 01 42 24.6–.40 15.65N 96.04E 35 4.7b,4.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=165.4.
IDC Error ellipse: s-maj=15.4km s-min=13.7km az=56.0.
MOS Error ellipse: s-maj=9.4km s-min=5.6km az=108.3.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.8km az=207.0.
ISC I 31 13 56 26.2–4.6 15.72N–.10 95.94E–.08 11–28 4.1b,3.8s 65 4-87
IDC I 31 13 56 23.7–1.2 15.45N 96.07E 0 4.7L,4.2 **¶12082830**
ISCJB I 31 13 56 24.3–3.2 15.8N–.10 95.94E–.06 2–17 4.1b,3.8s
NEIC I 31 13 56 26.1–.86 15.70N 95.96E 10 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=24.4km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=8.3km az=164.6.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=8.6km az=194.0.
ISC I 31 14 22 27.6–1.0 15.7N–.10 96.1E–.10 28 4.0b 22 4-87
IDC I 31 14 22 23.6–1.0 15.56N 96.24E 0 4.0L,4.0 **¶12082835**
ISCJB I 31 14 22 25.6–.82 15.68N–.09 96.05E–.06 28 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC I 31 20 52 05.6–2.5 15.53N 95.94E 0 4.1L,3.8b
¶12082857
IDC Error ellipse: s-maj=34.5km s-min=23.9km az=179.0.
ISC II 10 21 56 20.3–.69 15.66N–.08 95.98E–.08 28 4.1b,3.7s 57 4-97
IDC II 10 21 56 15.9–.77 15.55N 96.08E 0 4.5L,4.1 **¶12699938**
ISCJB II 10 21 56 18.0–.53 15.65N–.06 95.97E–.05 28 4.0b,3.7s
NEIC II 10 21 56 21.1–3.8 15.60N 96.17E 34–26 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=34.6km s-min=15.6km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.4km az=33.1.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=6.1km az=46.0.
ISC III 02 12 36 38.6–.40 15.58N–.04 96.02E–.04 33–1 4.5b,4.2s 264 4-165
DJA III 02 12 36 25.5–3.8 16N–16 94E–42 16–20 5.8b,5.3 **¶13435378**
ISCJB III 02 12 36 34.8–1.0 15.66N–.03 95.98E–.03 15–6 4.6b,4.2s
NEIC III 02 12 36 35.0–.28 15.64N 95.94E 10 4.6b,4.2s
BJI III 02 12 36 35.6 15.37N 95.99E 38 5.0b,4.7s
MOS III 02 12 36 36.4–.96 15.60N 96.06E 33 5.0b,4.7s
IDC III 02 12 36 38.2–4.7 15.54N 96.06E 33–35 4.7L,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.5km az=19.7.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.0km az=51.0.
MOS Error ellipse: s-maj=10.0km s-min=5.4km az=109.9.
IDC Error ellipse: s-maj=16.7km s-min=12.1km az=49.0.
ISC III 02 12 55 40.2–.55 15.69N–.06 96.00E–.07 28 4.2b,3.8s 87 4-145
IDC III 02 12 55 35.9–.72 15.61N 96.17E 0 4.4L,4.2 **¶12702263**
NEIC III 02 12 55 37.9–.60 15.74N 96.01E 10 4.3b,4.2
ISCJB III 02 12 55 38.4–.52 15.72N–.05 95.99E–.05 28 4.1b,3.8s
DMN III 02 12 57 45.7–13 23.45N 89.83E 10 5.3b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=14.7km az=71.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.4km az=218.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.8km az=14.9.
DMN Event type ke. Error ellipse: s-maj=311.7km s-min=25.7km az=141.0.
ISC III 05 15 49 54.3–.38 15.58N–.03 95.98E–.03 17–1 5.0b,4.6s 501 4-165
BJI III 05 15 49 50.4 15.37N 95.94E 15 5.2s,5.2b **¶13435563**
ISCJB III 05 15 49 51.4–.90 15.58N–.03 95.99E–.02 8–5 5.0b,4.6s
IDC III 05 15 49 51.6–.35 15.53N 96.03E 0 5.5L,4.7b
NEIC III 05 15 49 52.8–1.6 15.58N 95.99E 8–10 5.2b,4.7b
MOS III 05 15 49 54.7–.81 15.59N 96.10E 33 5.3b,4.7s
GCMT III 05 15 49 55.0–.20 15.48N 96.09E 12 5.1W,4.7s
DJA III 05 15 50 00.1–1.6 16N–4.0 96E–7.0 30–14 5.2b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s35,c47; s82,c137; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.94±.13 $M_{\theta\theta}$2.60±.11; $M_{\phi\phi}$0.35±.13; $M_{r\theta}$2.06±.33; $M_{\theta\phi}$3.73±.09; $M_{\phi r}$1.06±.35; Best double couple: NP1:ϕ_s33.00000°,δ34.00000°,λ-120.00000°. NP2:ϕ_s247.00000°,δ61.00000°,λ-72.00000°. Principal axes: T 5.9600,Plg14.0000° ,Azm324.0000°; N -2.3200,Plg16.0000°,Azm58.0000°; P -3.6400,Plg68.0000° ,Azm194.0000° $M_0$4.80000×10^{16}
IDC III 05 15 58 53.8–1.2 15.72N 95.99E 0 4.7L,4.1
¶12702499
IDC Error ellipse: s-maj=40.6km s-min=23.9km az=59.0.
IDC III 05 16 16 51.1–1.2 15.57N 96.15E 0 4.3L,3.8
¶12702500
IDC Error ellipse: s-maj=28.6km s-min=20.5km az=88.0.
IDC III 05 17 09 55.2–2.9 15.64N 96.13E 0 3.4,3.3b
¶12702503
IDC Error ellipse: s-maj=36.2km s-min=25.2km az=177.0.
ISC III 05 20 31 49.8–.53 15.59N–.07 95.94E–.07 28 4.4b,3.9s 96 4-152
IDC III 05 20 31 45.1–.62 15.52N 96.02E 0 4.8L,4.4 **¶11757246**
ISCJB III 05 20 31 47.6–.46 15.53N–.06 96.00E–.05 28 4.4b,3.9s
NEIC III 05 20 31 50.6–.34 15.56N 96.06E 35 4.5b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=14.9km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.7km az=10.7.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.1km az=219.0.
ISC III 06 14 19 37.1–.71 15.65N–.09 95.99E–.07 28 4.2b 56 4-145
IDC III 06 14 19 32.9–.72 15.52N 96.03E 0 4.6L,4.3 **¶12702568**
ISCJB III 06 14 19 35.2–.64 15.65N–.07 96.00E–.06 28 4.2b,4.3
NEIC III 06 14 19 36.8–.72 15.66N 96.02E 25 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=16.7km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.4km az=163.2.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.6km az=27.0.
IDC III 06 21 06 54.0–4.2 15.39N 96.09E 0 3.9L,3.6b
¶12702589
IDC Error ellipse: s-maj=79.3km s-min=35.2km az=27.0.
IDC III 08 03 09 20.8–1.6 15.48N 95.90E 0 3.9L,3.6
¶12702678
IDC Error ellipse: s-maj=28.5km s-min=21.6km az=62.0.
IDC III 10 10 33 36.3–1.1 15.59N 96.35E 0 4.7L,3.8
¶12702865
IDC Error ellipse: s-maj=40.3km s-min=19.4km az=55.0.
IDC VI 08 07 46 06.0–2.1 16.87N 95.79E 0 3.7b,3.6
¶16101094
IDC Error ellipse: s-maj=31.9km s-min=19.5km az=5.0.

(300) Hainan Island.

IDC I 18 10 56 11.8–1.3 19.46N 109.77E 0 3.6,3.5b
¶12081638
IDC Error ellipse: s-maj=285.7km s-min=22.0km az=60.0.

(734) Laos.

ISC II 01 04 53 06.9–2.5 21.92N–.08 102.4E–.20 10 10 1-6
ISCJB II 01 04 53 03.4–1.9 21.96N–.06 102.4E–.10 **¶13434121**
PLV II 01 04 53 03.4–.69 22.02N 102.35E 17–55 3.0
BJI II 01 04 53 06.5 21.88N 102.56E 26 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=4.9km az=155.1.
PLV Error ellipse: s-maj=13.1km s-min=6.4km az=-1.0.
ISC V 22 07 58 11.5–1.8 20.4N–.10 100.88E–.08 0–14 3.8b,3.4s 22 2-72
PLV V 22 07 58 09.8–1.8 20.57N 100.78E 17–409 3.9,3.4s **¶13439753**
IDC V 22 07 58 11.3–.88 20.43N 100.93E 0 4.0L,3.9
ISC Event type ke.
PLV Error ellipse: s-maj=38.8km s-min=19.1km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=13.8km az=104.0.
ISC V 22 18 50 26.6–.44 21.59N–.03 102.22E–.03 24–3 4.2b,3.5s 150 1-95
PLV V 22 18 50 22.7–2.0 21.47N 102.07E 7–15 3.7,3.5s **¶15154468**
IDC V 22 18 50 22.4–.61 21.48N 102.33E 0 4.6L,4.1
BJI V 22 18 50 24.0 21.43N 102.15E 20 4.6L,4.5s
NEIC V 22 18 50 24.2–.30 21.49N 102.24E 10 4.4b,4.5s
DJA V 22 18 50 25.3–.50 21N–4.0 102E–7.0 10 5.3,5.0
ISCJB V 22 18 50 26.1–.88 21.65N–.03 102.21E–.03 29–7 4.2b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

SEISMIC REGION 26.
India-Xizang-Szechwan-Yunnan.

(302) Eastern Kashmir.

IDC IV 08 19 52 35.4–5.5 35.76N 78.65E 0 3.0,3.0
¶16152561
IDC Error ellipse: s-maj=75.8km s-min=32.0km az=44.0.
ISC V 01 07 52 55.1–.86 35.28N–.06 76.6E–.20 10 3.6b 11 3-82
IDC V 01 07 52 51.7–1.3 35.16N 76.39E 0 3.6,3.5 **¶16154692**
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=22.8km az=73.0.
ISC V 19 19 29 48.9–.52 33.23N–.03 75.79E–.03 19–2 5.0b,3.9s 614 1-152
LDG V 19 19 29 44.4–.10 33.16N 75.84E 10 5.0b,3.7s **¶13193042**
IDC V 19 19 29 45.6–.44 33.14N 75.76E 0 4.9,4.9
ISCJB V 19 19 29 47.8–.60 33.20N–.02 75.82E–.02 25–4 4.9b,3.9s
NDI V 19 19 29 47.3–3.0 33.23N 75.57E 10 4.9b,4.8L
NEIC V 19 19 29 48.9–1.5 33.20N 75.79E 21–10 4.9b,4.8L
MOS V 19 19 29 49.0–.80 33.20N 75.74E 33 5.2b,4.8L
SZGRF V 19 19 29 51.0 33.62N 74.31E 13 4.8b,4.8L
DJA V 19 19 29 52.7–1.1 33N–9.0 76E–4.0 62–13 5.4b,5.3
BJI V 19 19 29 53.3 33.44N 76.43E 25 4.8b,4.8b
KISR V 19 19 29 55.5–3.0 34.15N 74.59E 0–999 5.5b,4.8b
NNC V 19 19 29 58.2–4.3 34.36N 75.87E 0 4.9,4.8b
ISC Event type de.
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=3.8km az=42.0.
IDC Error ellipse: s-maj=13.6km s-min=10.3km az=19.0.
ISCJB Event type de. Error ellipse: s-maj=3.3km s-min=2.5km az=42.4.
NDI Error ellipse: s-maj=13.6km s-min=29.4km az=-1.0.
NEIC Event type de. Error ellipse: s-maj=5.0km s-min=3.0km az=199.0. At least 100 houses damaged slightly in the Kishtwar area. Felt at Doda, Jammu, Rajouri, Ramban and Udhampur.
MOS Error ellipse: s-maj=6.4km s-min=3.6km az=120.7.
SZGRF Southwestern Kashmir.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NNC Error ellipse: s-maj=41.0km s-min=24.8km az=156.0.

(303) Kashmir-India border region.

ISC I 26 16 00 28.6–.78 32.63N–.05 76.53E–.05 14 3.2b 16 0-27
IDC I 26 16 00 26.5–2.5 32.53N 76.33E 0 3.6L,3.5s **¶12082384**
NDI I 26 16 00 30.9–2.6 32.99N 75.97E 10 3.2L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=50.7km s-min=27.0km az=57.0.
NDI Error ellipse: s-maj=15.6km s-min=23.7km az=-1.0.
ISC I 31 03 07 16.0–1.2 32.51N–.05 76.49E–.04 12–8 4.0b 118 0-87
IDC I 31 03 07 14.4–.72 32.46N 76.49E 0 4.1,4.0 **¶13434088**
ISCJB I 31 03 07 15.9–1.4 32.48N–.03 76.51E–.03 15–9 4.0b,2.6s
NDI I 31 03 07 15.3–4.8 32.59N 76.40E 15–188 3.9b,3.8L
NEIC I 31 03 07 19.8–.57 32.53N 76.56E 36–6 3.9b,3.8L
NNC I 31 03 07 27.7–1.9 33.68N 76.25E 0 3.8b,3.8L
ISC Event type fe.
IDC Error ellipse: s-maj=18.9km s-min=14.2km az=47.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=40.7.
NDI Error ellipse: s-maj=193.7km s-min=109.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=4.2km az=48.0. Felt at Kangra.
NNC Error ellipse: s-maj=22.7km s-min=12.6km az=133.0.
NDI III 12 16 21 36.1–2.5 32.50N 76.36E 10 3.6L
¶14558322
NDI Error ellipse: s-maj=15.5km s-min=15.1km az=-1.0.
NDI III 15 09 14 17.3–2.6 32.38N 76.63E 10 3.8L
¶14558356
NDI Error ellipse: s-maj=17.2km s-min=16.9km az=-1.0.
NDI V 27 13 30 58.8–1.9 32.89N 75.44E 10 3.8L
¶14762368
NDI Error ellipse: s-maj=30.6km s-min=26.5km az=-1.0.
ISC VI 04 13 50 58.5–1.2 32.83N–.03 76.05E–.04 17–8 3.9b 105 0-85
IDC VI 04 13 50 55.7–.94 32.80N 76.15E 0 4.1,4.0L **¶13680417**
ISCJB VI 04 13 50 56.1–1.0 32.98N–.02 76.14E–.06 8–7 3.9b,2.5s
NDI VI 04 13 50 56.7–2.3 32.96N 76.07E 10 3.8L,3.8b
NEIC VI 04 13 50 57.7–.69 32.93N 76.18E 10 3.8b,3.8b
MOS VI 04 13 50 59.7–1.3 32.96N 76.01E 33 4.2b,3.8b

NNC VI 04 13 51 04.1–2.6 33.54N 75.76E 0 4.0b,3.8b
BJI VI 04 13 51 06.0 33.32N 77.14E 12 4.3b,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=23.0km s-min=17.5km az=44.0.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=3.3km az=166.1.
NDI Error ellipse: s-maj=8.0km s-min=9.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.5km s-min=10.1km az=48.0. Felt at Chamba.
MOS Error ellipse: s-maj=14.8km s-min=6.3km az=92.2.
NNC Error ellipse: s-maj=38.1km s-min=27.3km az=101.0.

(304) Kashmir-Xizang border region.

ISC III 03 23 45 14.7–.64 33.65N–.05 78.39E–.07 35 3.7b 26 2-84
IDC III 03 23 45 08.4–1.3 33.57N 78.12E 0 3.7,3.5b ¶12702389
NDI III 03 23 45 09.5–2.8 33.89N 78.46E 10 3.3L,3.5b
ISCJB III 03 23 45 13.2–.46 33.74N–.04 78.48E–.07 33 3.6b,3.5b
ISC Event type ke.
ISCJB Event type ke.
BJI VI 06 09 48 01.9 35.68N 79.59E 7 3.6L
¶13195311
ISC VI 06 13 29 01.3–1.6 35.8N–.10 80.1E–.10 10 13 5-73
BJI VI 06 13 28 58.2 35.55N 79.80E 5 3.5L ¶13195336
ISCJB VI 06 13 28 59.9–1.2 35.91N–.08 79.99E–.10 10 3.3b
IDC VI 06 13 29 02.1–2.6 35.92N 79.57E 0 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=11.4km az=39.4.
IDC Error ellipse: s-maj=51.1km s-min=25.9km az=105.0.
ISC VI 06 22 34 35.3–.76 35.74N–.07 79.62E–.08 10 3.5b 36 5-78
IDC VI 06 22 34 31.0–1.2 35.52N 79.78E 0 3.6,3.6 ¶13195415
ISCJB VI 06 22 34 32.3–.39 35.69N–.05 79.68E–.09 10 3.4b,3.6
BJI VI 06 22 34 32.6 35.61N 79.57E 7 4.5b,3.9L
NNC VI 06 22 34 38.6–.82 36.15N 79.50E 0 4.0,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=31.3km s-min=20.6km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=4.1km az=152.8.
NNC Error ellipse: s-maj=7.9km s-min=6.3km az=168.0.

(305) Western Xizang-India border region.

IDC I 01 21 56 12.8–1.5 31.65N 79.86E 0 3.4,3.3b
NDI I 01 21 56 56.1–9.3 28.97N 76.95E 10 2.0L,3.3b ¶12079781
IDC Error ellipse: s-maj=31.2km s-min=30.2km az=151.0.
NDI Error ellipse: s-maj=37.6km s-min=32.2km az=-1.0.
NDI I 03 13 09 55.4–3.0 30.57N 79.25E 10 3.8L
¶14301010
NDI Error ellipse: s-maj=9.1km s-min=6.4km az=-1.0.
ISC I 09 12 40 18.5–.41 31.80N–.04 78.33E–.04 12 3.9b 153 1-102
ISCJB I 09 12 40 17.0–.23 31.77N–.02 78.39E–.03 12 3.9b,3.4s ¶11712677
IDC I 09 12 40 16.2–.75 31.68N 78.36E 0 4.0,4.0
NDI I 09 12 40 19.2–2.9 31.76N 78.27E 10 4.2L,4.2b
MOS I 09 12 40 19.9–1.0 31.80N 78.38E 33 4.3b,4.2b
NEIC I 09 12 40 21.0–1.8 31.81N 78.34E 28–14 4.2b,4.2b
NNC I 09 12 40 26.8–5.0 33.89N 74.05E 0 4.2b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=43.0.
IDC Error ellipse: s-maj=22.1km s-min=14.2km az=40.0.
NDI Error ellipse: s-maj=6.9km s-min=7.6km az=-1.0.
MOS Error ellipse: s-maj=12.4km s-min=6.5km az=106.4.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=4.5km az=49.0.
NNC Error ellipse: s-maj=82.5km s-min=36.5km az=114.0.
ISC I 30 23 52 55.1–1.7 30.1N–.20 80.3E–.20 16 11 1-27
IDC I 30 23 52 46.3–15 29.45N 79.88E 0 3.5L,3.3b ¶12082774
NDI I 30 23 53 12.8–7.2 28.89N 80.33E 10 2.6L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=252.9km s-min=72.9km az=35.0.
NDI Error ellipse: s-maj=46.4km s-min=58.7km az=-1.0.
ISC II 25 04 04 22.2–1.5 30.77N–.05 79.59E–.06 15–10 3.5b 37 1-86
IDC II 25 04 04 18.3–1.1 30.37N 79.44E 0 3.7,3.6 ¶12701803
NDI II 25 04 04 21.5–4.5 30.73N 79.71E 10 3.5L,3.6
ISCJB II 25 04 04 23.5–.80 30.76N–.05 79.63E–.06 35–10 3.5b,3.6
NNC II 25 04 04 29.8–2.6 31.65N 79.91E 0 3.8b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=21.5km az=58.0.
NDI Error ellipse: s-maj=19.2km s-min=27.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.5km az=140.3.
NNC Error ellipse: s-maj=34.4km s-min=26.1km az=108.0.
NDI III 02 14 48 51.1–2.5 30.88N 79.96E 10 2.9L
¶14558173
NDI Error ellipse: s-maj=17.1km s-min=31.9km az=-1.0.
ISC IV 09 00 44 27.8–1.7 30.38N–.05 80.43E–.05 3–11 3.7b 42 1-87
NDI IV 09 00 44 27.5–1.8 30.41N 80.66E 10 3.3L ¶12934923
IDC IV 09 00 44 27.1–.97 30.21N 80.36E 0 3.8,3.7
ISCJB IV 09 00 44 28.6–1.4 30.37N–.05 80.55E–.06 18–12 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC V 15 18 42 48.2–2.2 30.59N–.05 79.32E–.05 32–16 3.6b 40 1-78
IDC V 15 18 42 43.3–.92 30.47N 79.24E 0 3.7,3.7 ¶13679014
NDI V 15 18 42 46.1–1.7 30.61N 79.35E 10 3.6L,3.7
ISCJB V 15 18 42 47.5–.70 30.62N–.03 79.26E–.05 40–8 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC V 20 19 43 50.1–1.9 30.40N–.07 79.59E–.07 16–13 3.2b 21 1-75
IDC V 20 19 43 47.6–1.9 30.34N 79.44E 0 3.5,3.4 ¶13679329
ISCJB V 20 19 43 49.9–2.9 30.45N–.07 79.77E–.05 21–24 3.2b,3.4
NDI V 20 19 43 51.7–2.0 30.38N 79.60E 10 3.5L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=52.9km s-min=22.7km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=7.0km az=17.2.
NDI Error ellipse: s-maj=7.9km s-min=12.6km az=-1.0.
ISC VI 02 06 36 08.9–3.8 30.38N–.06 80.44E–.07 0–24 3.7b 19 1-87
IDC VI 02 06 36 08.9–2.0 30.35N 80.44E 0 3.8,3.6 ¶13680199
NDI VI 02 06 36 11.2–2.8 30.45N 80.45E 10 4.2L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=86.2km s-min=19.9km az=62.0.
NDI Error ellipse: s-maj=9.7km s-min=17.9km az=-1.0.

(306) Xizang.

IDC I 01 10 53 34.6–3.0 30.80N 83.13E 0 3.5,3.4L
¶12079751
IDC Error ellipse: s-maj=81.4km s-min=29.7km az=57.0.
ISC I 01 19 59 48.9–.56 30.88N–.07 83.43E–.05 11 3.8b 28 3-86
IDC I 01 19 59 46.1–.88 30.68N 83.21E 0 4.0,3.8b ¶12079775
ISCJB I 01 19 59 46.8–.42 30.78N–.05 83.43E–.04 11 3.8b,3.8b
NDI I 01 19 59 48.5–3.5 31.36N 83.40E 10 3.2L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=16.1km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=163.6.
NDI Error ellipse: s-maj=30.4km s-min=10.6km az=-1.0.
IDC I 03 19 15 27.8–2.8 30.53N 82.80E 0 3.5,3.3L
¶12079924
IDC Error ellipse: s-maj=85.0km s-min=27.9km az=74.0.
IDC I 04 23 55 36.1–3.3 31.20N 88.17E 0 3.8L,3.6
¶12080309
IDC Error ellipse: s-maj=205.4km s-min=25.7km az=63.0.
ISC I 05 00 12 52.4–1.2 28.6N–.10 86.84E–.05 63–20 3.3b 28 1-80
IDC I 05 00 12 44.1–2.8 28.36N 86.69E 0 4.3L,3.7 ¶11712601
DMN I 05 00 12 51.6–.00 28.59N 86.84E 60 4.3L,3.7
ISCJB I 05 00 12 52.4–.74 28.52N–.09 86.80E–.05 79–14 3.3b,3.7
ISC Event type ke.
DMN Event type ke.
ISCJB Event type ke.
IDC I 05 17 04 25.9–.94 32.01N 84.88E 0 3.8,3.7L
¶12080395
IDC Error ellipse: s-maj=31.9km s-min=18.3km az=65.0.
IDC I 07 12 15 15.9–1.3 34.29N 85.88E 0 3.6,3.4b
¶12080637
IDC Error ellipse: s-maj=48.9km s-min=27.1km az=64.0.
IDC I 07 23 46 46.4–.92 29.66N 90.34E 0 3.9L,3.9
¶12080692
IDC Error ellipse: s-maj=40.4km s-min=15.9km az=56.0.
IDC I 08 15 17 20.6–1.7 28.84N 86.62E 0 3.9,3.8b
¶12080753
IDC Error ellipse: s-maj=120.4km s-min=19.2km az=59.0.
ISC I 10 13 13 23.2–1.3 35.05N–.10 86.4E–.30 35 12 7-33
ISCJB I 10 13 13 21.0–.75 35.04N–.05 86.2E–.30 33 3.1b,3.0s ¶12080947
IDC I 10 13 13 21.6–2.9 35.17N 86.22E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=36.1km s-min=7.0km az=174.3.
IDC Error ellipse: s-maj=138.9km s-min=25.8km az=64.0.
ISC I 10 13 36 41.1–.89 35.00N–.09 85.9E–.20 35 3.5b,2.9s 17 7-72
IDC I 10 13 36 37.1–1.8 35.06N 86.06E 0 3.7,3.6 ¶12080948
ISCJB I 10 13 36 38.5–.57 34.99N–.05 85.9E–.20 33 3.4b,3.0s
ISC Event type ke.
ISCJB Event type ke.
IDC I 11 07 42 56.6–12 35.98N 88.03E 0 3.5b,3.5
¶12081016
IDC Error ellipse: s-maj=168.1km s-min=52.2km az=8.0.
IDC I 16 13 50 54.4–1.7 34.23N 83.22E 0 3.7,3.5
¶12081440
IDC Error ellipse: s-maj=47.4km s-min=21.6km az=62.0.
IDC I 18 18 41 40.2–2.6 31.95N 81.87E 0 3.3,3.2
¶12081662
IDC Error ellipse: s-maj=81.4km s-min=21.0km az=74.0.
ISC I 19 16 59 56.3–.67 28.45N–.08 86.38E–.05 57 3.5b 27 2-79
IDC I 19 16 59 49.1–.97 28.33N 86.26E 0 3.6L,3.6 ¶12081779
ISCJB I 19 16 59 54.8–.42 28.45N–.05 86.35E–.04 57 3.6b,3.6
BJI I 19 16 59 54.1 28.62N 86.79E 11 3.5L,3.6
NDI I 19 16 59 56.3–3.1 28.66N 86.61E 33–25 4.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=17.6km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.2km az=14.0.
NDI Error ellipse: s-maj=18.2km s-min=12.5km az=-1.0.
ISC I 21 03 27 54.9–1.1 35.5N–.10 82.5E–.20 35 3.4b 9 9-81
IDC I 21 03 27 49.7–1.2 35.47N 82.68E 0 3.8s,3.8 ¶12081932
ISCJB I 21 03 27 53.1–.95 35.5N–.10 82.5E–.20 33 3.7s,3.5b
BJI I 21 03 27 54.6 35.69N 82.69E 21 4.2b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=46.4km s-min=21.2km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=26.3km s-min=13.4km az=156.7.
ISC I 24 12 57 34.1–1.8 32.9N–.20 93.5E–.20 35 5 8-68
IDC I 24 12 57 31.4–2.6 32.94N 94.47E 0 3.7b,3.5s ¶12082220
BJI I 24 12 57 33.9 32.97N 93.97E 8 3.8s,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=89.0km s-min=37.7km az=75.0.
ISC I 24 13 07 02.6–.76 32.85N–.09 93.6E–.10 35 3.2b 22 7-82
IDC I 24 13 06 57.3–1.2 32.89N 93.48E 0 3.6,3.5s ¶12082222
ISCJB I 24 13 07 00.5–.45 32.84N–.06 93.53E–.07 33 3.2b,3.5s
BJI I 24 13 07 01.3 32.99N 93.79E 10 4.2b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=60.1km s-min=18.0km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.6km az=136.1.
IDC I 25 20 31 50.3–3.8 34.04N 80.98E 0 3.7,3.4
¶12082325
IDC Error ellipse: s-maj=208.5km s-min=24.7km az=60.0.
ISC I 27 01 02 57.6–.57 34.97N–.05 81.79E–.06 35 3.8b 67 6-87
IDC I 27 01 02 52.9–1.2 35.06N 81.68E 0 3.9,3.9s ¶12082431
NEIC I 27 01 02 54.9–.33 35.07N 81.84E 10 3.8b,3.9s
ISCJB I 27 01 02 55.3–.32 35.01N–.03 81.77E–.06 33 4.2s,3.7b
BJI I 27 01 02 55.6 35.10N 81.89E 15 4.1L,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=23.2km az=61.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=4.2km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.5km az=155.7.
ISC I 28 17 28 13.0–1.2 30.2N–.20 96.8E–.10 35 3.4b 7 5-64
IDC I 28 17 28 07.7–1.6 30.10N 96.66E 0 3.4,3.2b ¶12082597
ISCJB I 28 17 28 10.6–.93 30.2N–.10 96.76E–.09 33 3.4b,3.2b
ISC Event type ke.
ISCJB Event type ke.
ISC II 01 08 49 30.3–1.2 29.7N–.20 90.45E–.09 8 3.9b 12 1-76
ISCJB II 01 08 49 28.3–.88 29.7N–.10 90.38E–.07 8 3.6b ¶15954821
IDC II 01 08 49 29.1–1.1 29.71N 90.33E 0 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=7.4km az=12.8.
IDC Error ellipse: s-maj=43.0km s-min=20.0km az=55.0.
ISC II 03 13 39 24.9–.88 29.65N–.07 91.65E–.09 10 4.2b 10 0-67
ISCJB II 03 13 39 24.3–.85 29.77N–.09 91.61E–.07 10 3.9b ¶15954959
IDC II 03 13 39 24.1–2.3 29.54N 91.98E 0 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=8.3km az=169.1.
IDC Error ellipse: s-maj=81.3km s-min=25.5km az=75.0.
IDC II 04 05 22 59.4–.78 31.61N 84.79E 0 4.4L,4.0
¶13434238
IDC Error ellipse: s-maj=28.5km s-min=16.2km az=55.0.
BJI II 05 02 18 36.6 34.99N 81.56E 12 3.7L
¶13434265
ISC II 05 18 03 05.3–.77 30.8N–.10 83.33E–.09 11 3.4b 13 3-86
IDC II 05 18 03 03.3–1.6 30.72N 83.23E 0 3.6,3.5 ¶15955081
ISC Event type ke.
IDC Error ellipse: s-maj=50.4km s-min=18.4km az=66.0.
IDC II 05 21 49 16.3–1.1 30.73N 83.19E 0 3.6,3.5
¶15955085
IDC Error ellipse: s-maj=29.4km s-min=24.2km az=48.0.
ISC II 10 19 53 12.1–.71 34.39N–.09 82.0E–.10 15 4.0b 18 5-84
IDC II 10 19 53 08.9–.82 34.21N 81.82E 0 4.0,3.9 ¶15955372
ISCJB II 10 19 53 09.9–.63 34.30N–.09 81.9E–.10 15 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC II 13 23 13 09.5–.61 30.60N–.08 84.00E–.06 10 3.6b,3.1s 24 3-86
BJI II 13 23 13 12.8 30.71N 84.10E 10 4.0b,3.1s ¶12700599
IDC II 13 23 13 12.7–4.4 30.63N 83.98E 46–42 3.8L,3.6
NDI II 13 23 13 53.4–5.4 30.39N 79.70E 10 3.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=17.5km az=52.0.
NDI Error ellipse: s-maj=27.3km s-min=31.4km az=-1.0.
DMN II 17 16 10 09.5–6.0 31.91N 85.11E 10 4.3b
¶12083278
DMN Event type ke. Error ellipse: s-maj=139.9km s-min=17.9km az=177.0.
ISC II 17 17 42 40.4–.57 33.15N–.08 88.35E–.09 35 3.9b,3.5s 35 6-150
ISCJB II 17 17 42 38.6–.39 33.18N–.04 88.34E–.08 33 3.8b,3.4s ¶12083282
BJI II 17 17 42 39.2 33.36N 88.60E 14 4.2b,3.7s
IDC II 17 17 42 39.9–6.4 33.03N 88.28E 33–47 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.3km az=7.9.
IDC Error ellipse: s-maj=28.5km s-min=20.6km az=27.0.
ISC II 18 03 05 59.6–.70 33.17N–.08 88.4E–.10 35 3.5b 21 6-150
IDC II 18 03 05 53.7–1.0 32.93N 88.25E 0 3.6,3.5 ¶12083291
ISCJB II 18 03 05 57.8–.54 33.21N–.05 88.3E–.10 33 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC II 18 10 11 42.7–.26 30.63N–.03 83.78E–.03 26 4.6b,4.5s 249 2-151
DMN II 18 10 11 31.7–.74 31.33N 83.14E 10 5.3L,4.5s ¶11682850
IDC II 18 10 11 38.0–.50 30.58N 83.91E 0 4.4s,4.4
NDI II 18 10 11 40.2–5.5 30.97N 83.87E 33 4.6b,4.3L
ISCJB II 18 10 11 40.8–.18 30.68N–.02 83.77E–.02 26 4.5b,4.4s

BJI II 18 10 11 40.8 30.83N 83.92E 20 4.9s,4.9b
MOS II 18 10 11 41.5–1.4 30.61N 83.84E 33 4.7b,4.4s
DJA II 18 10 11 42 30.65N 83.88E 10 4.8b,4.4s
NEIC II 18 10 11 43.6–.29 30.67N 83.86E 35 4.6b,4.4s
TEH II 18 10 11 45.0 30.69N 83.84E 35 4.6L,4.4s
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=16.8km s-min=11.4km az=164.0.
IDC Error ellipse: s-maj=16.7km s-min=11.9km az=44.0.
NDI Error ellipse: s-maj=26.7km s-min=16.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=37.8.
MOS Error ellipse: s-maj=9.2km s-min=5.5km az=110.4.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.4km az=46.0.
ISC II 19 12 20 50.5–.74 33.22N–.09 88.5E–.10 35 3.6b 20 4-150
IDC II 19 12 20 45.1–.95 33.08N 88.40E 0 3.9L,3.8 **¶12083316**
ISCJB II 19 12 20 48.4–.55 33.24N–.05 88.5E–.10 33 3.5b,2.9s
ISC Event type ke.
ISCJB Event type ke.
IDC II 21 12 39 10.9–2.3 30.71N 83.11E 0 3.5,3.5L
¶15956874
IDC Error ellipse: s-maj=75.9km s-min=23.7km az=71.0.
IDC II 21 19 46 00.6–1.6 31.08N 84.22E 0 3.6,3.5b
¶15956893
IDC Error ellipse: s-maj=80.2km s-min=19.0km az=62.0.
ISC II 23 08 39 42.5–1.2 30.5N–.20 83.9E–.10 26 3.3b 7 3-86
IDC II 23 08 39 38.0–2.7 30.42N 83.81E 0 3.4,3.3 **¶15957046**
ISC Event type ke.
IDC Error ellipse: s-maj=95.6km s-min=30.1km az=74.0.
ISC II 24 15 23 32.3–.75 28.75N–.06 86.54E–.04 71–9 4.0b 57 1-88
BJI II 24 15 23 22.3 28.22N 86.28E 14 4.2b,3.5L **¶12054534**
NDI II 24 15 23 30.1–3.8 28.42N 86.43E 10 3.9L,3.5L
ISCJB II 24 15 23 31.3–.54 28.83N–.05 86.46E–.04 72–8 3.8b,3.5L
DMN II 24 15 23 32.3–.00 28.76N 86.52E 60 3.8b,3.5L
IDC II 24 15 23 33.1–8.7 28.63N 86.52E 75–77 4.4L,3.8
ISC Event type ke.
NDI Error ellipse: s-maj=18.5km s-min=11.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.5km az=19.3.
DMN Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=17.3km az=34.0.
IDC II 24 19 47 14.4–8.0 32.46N 80.45E 0 3.4,3.3
¶15957182
IDC Error ellipse: s-maj=175.1km s-min=29.9km az=68.0.
IDC II 25 03 00 44.3–1.7 29.68N 90.23E 0 3.7,3.5
¶15957230
IDC Error ellipse: s-maj=64.3km s-min=19.9km az=69.0.
IDC II 25 04 44 23.6–1.3 35.69N 89.52E 0 3.6,3.5
BJI II 25 04 44 24.5 35.71N 89.08E 17 3.7L,3.5 **¶12701805**
IDC Error ellipse: s-maj=33.8km s-min=24.4km az=55.0.
ISC II 25 14 11 14.2–.64 30.91N–.04 83.65E–.04 16–4 4.1b,3.8s 65 3-146
BJI II 25 14 11 06.2 30.90N 82.70E 20 4.3s,4.3b **¶12054404**
DMN II 25 14 11 09.2–.20 31.58N 83.31E 10 4.7L,4.3b
IDC II 25 14 11 11.3–.58 30.98N 83.76E 0 4.2,4.1
ISCJB II 25 14 11 13.4–1.6 31.10N–.04 83.57E–.04 16–13 4.1b,3.7s
NDI II 25 14 11 24.0–3.3 30.43N 82.93E 10 3.3L,3.7s
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=138.0.
IDC Error ellipse: s-maj=17.9km s-min=13.1km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.3km az=26.4.
NDI Error ellipse: s-maj=31.7km s-min=54.9km az=-1.0.
IDC II 28 08 49 13.4–1.7 34.87N 81.33E 0 3.6,3.5L
¶15957510
IDC Error ellipse: s-maj=50.9km s-min=30.2km az=53.0.
ISC III 08 00 50 45.5–1.1 32.33N–.09 85.0E–.10 16 3.3b 16 4-78
DMN III 08 00 50 41.5–4.4 32.45N 85.06E 10 4.3b **¶12054537**
ISCJB III 08 00 50 42.5–.67 32.44N–.05 84.9E–.20 16 3.1b,2.8s
IDC III 08 00 50 50.5–15 32.30N 85.03E 90–148 3.0,3.0L
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=102.9km s-min=12.9km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=7.5km az=178.2.
IDC Error ellipse: s-maj=72.2km s-min=31.5km az=19.0.
IDC III 08 12 27 29.9–4.1 33.44N 81.68E 0 3.4,3.2b
¶12702717
IDC Error ellipse: s-maj=155.6km s-min=22.5km az=72.0.
IDC III 09 06 44 42.3–.89 33.54N 82.23E 0 3.8,3.6b
¶12702778
IDC Error ellipse: s-maj=29.2km s-min=16.8km az=57.0.
ISC III 09 19 45 10.4–1.8 30.67N–.05 83.58E–.04 4–13 3.7b,3.6s 39 2-91
BJI III 09 19 45 00.4 29.32N 82.78E 20 4.4b,3.9b **¶12054503**
DMN III 09 19 45 05.6–.62 31.45N 83.05E 10 4.5L,3.9b
IDC III 09 19 45 09.5–.84 30.65N 83.46E 0 3.9,3.8
NDI III 09 19 45 27.3–3.3 30.10N 83.54E 33 3.1L,3.8
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=13.9km s-min=8.1km az=130.0.
IDC Error ellipse: s-maj=28.2km s-min=15.5km az=54.0.
NDI Error ellipse: s-maj=52.4km s-min=49.5km az=-1.0.
ISC III 16 06 01 21.8–.97 28.0N–.10 87.74E–.06 84–12 3.9b 49 1-91
IDC III 16 06 01 19.9–5.4 28.00N 87.71E 62–49 4.0L,4.0s **¶12703401**
DMN III 16 06 01 20.7–.00 28.14N 87.85E 60 4.0L,4.0s
ISCJB III 16 06 01 21.2–.59 28.04N–.08 87.74E–.05 92–8 3.8b,4.0s
NDI III 16 06 01 21.8–3.4 27.95N 87.83E 33 3.7L,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=15.7km az=56.0.
DMN Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=5.2km az=20.5.
NDI Error ellipse: s-maj=26.0km s-min=16.2km az=-1.0.
ISC III 17 22 49 09.7–.88 30.8N–.10 83.83E–.10 35 3.5b,3.3s 19 3-86
IDC III 17 22 49 03.6–1.1 30.44N 83.78E 0 3.9,3.8 **¶12703545**
BJI III 17 22 49 08.0 30.80N 83.80E 10 4.1b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=23.1km az=25.0.
ISC III 17 23 01 38.0–.83 30.67N–.10 83.7E–.10 26 3.6b 15 3-86
IDC III 17 23 01 33.7–1.1 30.56N 83.80E 0 3.8,3.7 **¶12703546**
ISCJB III 17 23 01 37.3–.86 30.7N–.10 83.6E–.10 26 3.6b,2.9s
ISC Event type ke.
ISCJB Event type ke.
ISC III 18 00 29 31.5–.43 30.60N–.05 83.73E–.04 18 4.1b,3.5s 105 3-86
BJI III 18 00 29 22.4 30.40N 83.10E 6 4.2b,4.1b **¶12060862**
NDI III 18 00 29 23.0–3.1 31.47N 84.17E 33 4.1b,3.9L
IDC III 18 00 29 28.4–1.2 30.58N 83.71E 0 4.2,4.1b
ISCJB III 18 00 29 29.4–.33 30.54N–.04 83.64E–.04 18 4.0b,3.4s
MOS III 18 00 29 32.0–.89 30.63N 83.71E 33 4.1b,3.4s
NEIC III 18 00 29 33.4–2.1 30.63N 83.73E 32–16 4.1b,3.4s
ISC Event type se.
NDI Error ellipse: s-maj=45.1km s-min=29.1km az=-1.0.
IDC Error ellipse: s-maj=28.3km s-min=18.1km az=18.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=164.1.
MOS Error ellipse: s-maj=11.6km s-min=5.8km az=111.9.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.7km az=218.0.
IDC III 19 04 35 22.8–1.6 30.82N 83.52E 0 3.8,3.6
¶12703645
IDC Error ellipse: s-maj=52.1km s-min=24.9km az=63.0.
IDC III 21 11 17 59.3–.72 33.66N 82.32E 0 4.0,3.9
¶12635177
IDC Error ellipse: s-maj=24.1km s-min=16.4km az=60.0.
ISC III 21 15 11 24.9–.82 30.9N–.10 83.77E–.08 11 3.5b 14 3-86
IDC III 21 15 11 21.8–1.1 30.70N 83.42E 0 3.6,3.5 **¶12635194**
ISCJB III 21 15 11 23.3–.77 30.87N–.10 83.8E–.10 11 3.3b,3.3s
ISC Event type ke.
ISCJB Event type ke.
IDC III 22 14 19 16.9–.97 33.74N 82.26E 0 3.6,3.5b
¶12635292
IDC Error ellipse: s-maj=29.5km s-min=18.0km az=56.0.
IDC III 23 22 36 05.8–.90 33.64N 82.38E 0 3.6,3.4b
¶12635423
IDC Error ellipse: s-maj=29.5km s-min=17.5km az=59.0.
IDC III 23 22 36 52.6–1.2 33.44N 82.13E 0 3.6,3.4
¶12635424
IDC Error ellipse: s-maj=32.4km s-min=24.5km az=69.0.
IDC III 24 09 40 29.2–.98 33.49N 82.21E 0 3.6,3.5
¶12635455
IDC Error ellipse: s-maj=32.4km s-min=17.6km az=59.0.
ISC III 24 12 01 53.7–.67 30.97N–.10 83.57E–.07 11 3.5b 16 3-86
IDC III 24 12 01 51.1–.95 30.84N 83.70E 0 3.8,3.8s **¶12635465**
ISCJB III 24 12 01 52.1–.64 30.96N–.09 83.58E–.10 11 3.8s,3.5b
NDI III 24 12 02 48.6–1.6 30.71N 79.10E 10 2.5L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=20.2km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=10.7km az=31.6.
NDI Error ellipse: s-maj=14.9km s-min=6.2km az=-1.0.
IDC III 24 18 57 28.3–.88 33.56N 82.32E 0 3.8,3.6b
¶12635487
IDC Error ellipse: s-maj=29.8km s-min=16.6km az=56.0.
ISC III 25 12 43 21.0–.72 33.71N–.09 82.5E–.10 35 3.9b 15 5-83
IDC III 25 12 43 15.3–.71 33.59N 82.32E 0 4.0,3.9 **¶12635555**
ISCJB III 25 12 43 18.8–.65 33.65N–.10 82.4E–.10 33 3.8b,3.1s
ISC Event type ke.
ISCJB Event type ke.
IDC III 29 16 29 39.8–1.7 34.18N 88.83E 0 3.4,3.3b
¶12635872
IDC Error ellipse: s-maj=58.7km s-min=21.9km az=65.0.
IDC III 30 13 15 50.7–.86 34.23N 81.81E 0 3.9,3.8L
¶12635945
IDC Error ellipse: s-maj=27.9km s-min=16.1km az=55.0.
IDC III 31 12 50 11.6–.90 29.29N 88.16E 0 3.6,3.5b
¶12605476
IDC Error ellipse: s-maj=31.1km s-min=19.3km az=51.0.
ISC IV 01 02 34 37.2–.39 33.69N–.03 82.46E–.03 12–2 5.0b,4.1s 550 5-151
NDI IV 01 02 34 31.8–6.1 34.02N 82.67E 10 5.2b,5.1b **¶13437741**
LDG IV 01 02 34 34.1–.12 33.71N 82.33E 10 5.0b,4.0s
BJI IV 01 02 34 35.7 33.77N 82.46E 11 4.9b,4.7s
ISCJB IV 01 02 34 35.5–.77 33.68N–.02 82.42E–.02 13–4 4.8b,4.2s
IDC IV 01 02 34 35.2–.42 33.66N 82.50E 0 4.9,4.8
NEIC IV 01 02 34 36.6–.18 33.66N 82.44E 10 5.1b,4.8
MOS IV 01 02 34 38.5–1.4 33.74N 82.46E 33 5.1b,4.1s
GCMT IV 01 02 34 42.3–.30 33.73N 82.47E 21–1 5.0W,4.1s
DJA IV 01 02 34 46.0–1.5 34N–8.0 82E–6.0 140–23 5.2b,4.9b
ISC Event type ke.
LDG Event type ke.
ISCJB Event type ke.
NEIC Event type se.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s18,c22; s67,c108; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.32±.26 $M_{\theta\theta}$-0.53±.15; $M_{\phi\phi}$3.85±.16; $M_{r\theta}$1.26±.34; $M_{\theta\theta}$0.14±.10; $M_{\theta r}$0.24±.22; Best double couple: NP1:ϕ_s342.00000°,δ46.00000°,λ-119.00000°. NP2:ϕ_s201.00000°,δ51.00000°,λ-63.00000°. Principal axes: T 3.8700,Plg2.0000° ,Azm273.0000°; N -0.0500,Plg21.0000°,Azm3.0000°; P -3.8100,Plg69.0000°,Azm176.0000° M_o3.80000×10^{16}
IDC IV 01 02 37 06.7–1.1 33.75N 82.34E 0 4.4s,4.4
¶16152203
IDC Error ellipse: s-maj=42.8km s-min=22.5km az=62.0.
ISC IV 02 10 15 21.9–.58 33.78N–.08 82.59E–.08 35 4.0b 22 5-97
NDI IV 02 10 15 14.6–.87 34.34N 82.70E 10 3.0L **¶12934325**
IDC IV 02 10 15 16.5–.62 33.62N 82.41E 0 4.1,4.0
ISCJB IV 02 10 15 19.9–.45 33.73N–.06 82.60E–.07 33 3.9b,3.7s
ISC Event type ke.
ISCJB Event type ke.
IDC IV 02 19 25 55.2–.94 33.57N 82.17E 0 3.7,3.5
¶16152282
IDC Error ellipse: s-maj=29.7km s-min=19.8km az=56.0.
IDC IV 02 19 38 45.8–1.1 33.60N 82.44E 0 4.0s,4.0
¶16152283
IDC Error ellipse: s-maj=31.1km s-min=20.6km az=60.0.
IDC IV 02 22 56 53.3–.84 33.51N 82.27E 0 3.9,3.7
¶16152292
IDC Error ellipse: s-maj=27.2km s-min=16.3km az=55.0.
IDC IV 02 22 57 50.9–.86 33.62N 82.24E 0 4.0,3.8
¶12934281
IDC Error ellipse: s-maj=28.2km s-min=17.1km az=54.0.
IDC IV 02 22 58 52.8–.94 33.76N 82.30E 0 3.8,3.6
¶16152293
IDC Error ellipse: s-maj=30.3km s-min=19.6km az=63.0.
IDC IV 02 23 06 12.2–.69 33.68N 82.42E 0 4.1,3.9
¶13437836
IDC Error ellipse: s-maj=22.7km s-min=15.4km az=54.0.
IDC IV 02 23 09 44.6–1.1 33.64N 82.24E 0 3.7,3.5
¶16152294
IDC Error ellipse: s-maj=32.2km s-min=20.4km az=60.0.
IDC IV 02 23 29 27.8–5.4 33.58N 82.28E 0 3.5,3.3
¶16152297
IDC Error ellipse: s-maj=189.4km s-min=29.6km az=67.0.
ISC IV 03 00 15 04.4–.28 33.66N–.04 82.37E–.03 10 4.5b,3.9s 269 5-148
IDC IV 03 00 15 02.1–.45 33.70N 82.42E 0 4.8L,4.5 **¶12085154**
NDI IV 03 00 15 02.6–3.5 34.16N 82.88E 33 4.8b,3.9L
ISCJB IV 03 00 15 02.5–.16 33.72N–.02 82.47E–.02 10 4.5b,3.9s
LDG IV 03 00 15 02.1–.21 33.79N 82.04E 10 4.7b,3.7s
MOS IV 03 00 15 05.4–1.3 33.72N 82.39E 33 4.6b,3.7s
NEIC IV 03 00 15 08.9–.43 33.72N 82.45E 52–4 4.8b,3.7s
DJA IV 03 00 15 09.2–2.7 33N–8.0 83E–6.0 17–22 5.2b,4.8b
ISC Event type ke.
ISCJB Event type ke.
LDG Event type ke.
NEIC Event type se.
IDC IV 03 00 47 08.0–1.3 33.69N 82.26E 0 3.8,3.6
¶16152299
IDC Error ellipse: s-maj=41.0km s-min=27.2km az=50.0.
IDC IV 03 01 19 30.2–3.1 33.31N 82.74E 0 3.5,3.4
¶16152300
IDC Error ellipse: s-maj=75.5km s-min=35.9km az=117.0.
ISC IV 03 11 56 33.7–.51 33.63N–.05 82.49E–.04 33–3 4.4b,3.6s 137 5-145
IDC IV 03 11 56 28.7–.61 33.62N 82.45E 0 4.4,4.2 **¶12606007**
MOS IV 03 11 56 31.8–1.0 33.60N 82.41E 33 4.6b,4.2
NEIC IV 03 11 56 33.8–.28 33.59N 82.44E 35 4.7b,4.2
NDI IV 03 11 56 34.8–2.5 33.62N 82.63E 33 4.7b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=13.0km az=41.0.
MOS Error ellipse: s-maj=10.5km s-min=6.1km az=104.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.1km az=53.0.
NDI Error ellipse: s-maj=26.9km s-min=30.0km az=-1.0.
IDC IV 04 01 14 19.6–.72 33.63N 82.36E 0 3.9,3.8
¶16152336
IDC Error ellipse: s-maj=21.1km s-min=14.8km az=47.0.
IDC IV 04 04 43 58.2–1.1 33.63N 82.15E 0 3.4,3.3b
¶16152341
IDC Error ellipse: s-maj=46.5km s-min=27.0km az=47.0.
ISC IV 04 12 53 11.8–.43 33.71N–.05 82.58E–.05 35 4.1b,3.7s 109 5-123
IDC IV 04 12 53 06.9–.57 33.70N 82.41E 0 4.2,4.1 **¶12606203**
BJI IV 04 12 53 07.2 34.81N 81.59E 10 4.1s,4.1b
NEIC IV 04 12 53 08.6–.33 33.69N 82.47E 10 4.5b,4.1b
NDI IV 04 12 53 09.3–2.1 33.88N 82.66E 10 4.5b,3.1L
MOS IV 04 12 53 10.1–1.0 33.73N 82.45E 33 4.5b,3.1L
ISCJB IV 04 12 53 10.1–.30 33.74N–.04 82.51E–.04 33 4.1b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

IDC IV 04 15 13 44.8–1.4 33.68N 82.20E 0 3.8,3.8s
¶16152374
IDC Error ellipse: s-maj=40.0km s-min=29.3km az=68.0.
IDC IV 06 06 05 31.7–1.0 33.66N 82.27E 0 3.6,3.4
¶16152438
IDC Error ellipse: s-maj=31.5km s-min=18.7km az=65.0.
ISC IV 06 06 23 48.6–.73 33.7N–.10 82.48E–.09 35 3.9b 24 5-148
IDC IV 06 06 23 43.5–.66 33.59N 82.26E 0 4.0,3.8 **¶12606522**
ISCJB IV 06 06 23 46.9–.59 33.67N–.09 82.3E–.10 33 3.8b,2.7s
BJI IV 06 06 23 48.4 33.99N 82.49E 6 4.3b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=22.4km s-min=14.2km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=10.2km az=149.8.
IDC IV 06 07 28 04.0–.90 33.58N 82.25E 0 3.5,3.4
¶16152441
IDC Error ellipse: s-maj=30.3km s-min=17.5km az=58.0.
IDC IV 06 07 48 52.2–.78 33.64N 82.21E 0 3.8,3.7
¶16152444
IDC Error ellipse: s-maj=23.9km s-min=14.7km az=51.0.
ISC IV 06 09 25 49.3–.45 33.76N–.06 82.33E–.05 35 4.2b,3.4s 96 5-144
IDC IV 06 09 25 43.6–.50 33.65N 82.38E 0 4.3,4.1 **¶12606544**
MOS IV 06 09 25 46.9–.91 33.73N 82.39E 33 4.3b,4.1
ISCJB IV 06 09 25 47.0–.35 33.73N–.05 82.26E–.04 33 4.1b,3.5s
NEIC IV 06 09 25 48.9–.29 33.70N 82.40E 35 4.1b,3.5s
BJI IV 06 09 25 49.3 34.01N 82.48E 8 4.4b,4.4b
NNC IV 06 09 25 50.1–3.0 31.68N 77.30E 0 3.6b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=11.6km az=49.0.
MOS Error ellipse: s-maj=12.5km s-min=6.7km az=110.3.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.6km az=25.5.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=52.0.
NNC Error ellipse: s-maj=124.9km s-min=22.4km az=71.0.
IDC IV 06 17 58 26.9–1.1 33.69N 82.44E 0 3.6,3.4
¶16152472
IDC Error ellipse: s-maj=40.7km s-min=21.4km az=55.0.
ISC IV 08 17 24 28.4–.78 33.8N–.10 82.4E–.10 35 4.0b,3.0s 19 8-83
IDC IV 08 17 24 23.1–.69 33.65N 82.30E 0 4.1,3.9 **¶16152551**
ISCJB IV 08 17 24 26.6–.60 33.72N–.08 82.3E–.10 33 3.8b,2.9s
ISC Event type ke.
ISCJB Event type ke.
IDC IV 08 18 39 32.9–.93 33.59N 82.23E 0 3.7,3.5
¶16152554
IDC Error ellipse: s-maj=29.8km s-min=17.9km az=56.0.
IDC IV 08 19 07 48.8–1.0 33.98N 83.18E 0 3.4,3.2
¶16152555
IDC Error ellipse: s-maj=34.5km s-min=21.5km az=55.0.
IDC IV 12 05 15 05.8–1.4 33.64N 82.33E 0 3.6,3.4
¶16152693
IDC Error ellipse: s-maj=38.9km s-min=26.8km az=58.0.
ISC IV 12 13 33 19.0–.74 34.43N–.08 86.6E–.10 35 3.5b 20 6-82
IDC IV 12 13 33 12.7–1.1 34.13N 86.51E 0 3.7,3.5 **¶16152712**
ISCJB IV 12 13 33 17.2–.51 34.43N–.05 86.6E–.10 33 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC IV 13 23 23 39.2–.93 31.34N 84.80E 0 3.9,3.8
¶16152780
IDC Error ellipse: s-maj=45.7km s-min=17.2km az=57.0.
IDC IV 14 22 13 26.5–2.3 30.95N 83.51E 0 3.6,3.4
¶16152794
IDC Error ellipse: s-maj=54.4km s-min=29.2km az=52.0.
IDC IV 15 04 54 49.8–1.1 33.55N 82.12E 0 3.5,3.4
¶16152805
IDC Error ellipse: s-maj=32.6km s-min=23.9km az=70.0.
IDC IV 17 02 21 25.8–2.4 33.47N 82.03E 0 3.5,3.4
¶16152872
IDC Error ellipse: s-maj=69.6km s-min=26.8km az=60.0.
ISC IV 19 00 45 29.9–.68 34.80N–.08 85.80E–.09 35 3.5b 24 7-82
IDC IV 19 00 45 24.9–.90 34.63N 85.63E 0 3.8,3.6 **¶12610706**
ISCJB IV 19 00 45 27.6–.45 34.80N–.04 85.8E–.10 33 3.4b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC IV 19 02 43 05.5–.57 34.76N–.08 85.50E–.07 35 3.7b,3.5s 34 7-82
ISCJB IV 19 02 43 03.3–.37 34.78N–.04 85.65E–.09 33 3.7b,3.5s **¶12935709**
IDC IV 19 02 43 04.2–5.5 34.59N 85.58E 33–42 3.8,3.7
BJI IV 19 02 43 04.3 34.85N 85.05E 14 4.4b,4.3s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.3km az=172.9.
IDC Error ellipse: s-maj=24.6km s-min=14.6km az=34.0.
ISC IV 19 02 43 46.6–.83 34.6N–.10 85.51E–.09 35 4.1b 37 12-82
ISCJB IV 19 02 43 44.5–.51 34.66N–.08 85.48E–.09 33 4.0b **¶16153018**
MOS IV 19 02 43 44.8–.99 34.71N 85.51E 33 4.2b
IDC IV 19 02 43 50.4–3.2 34.78N 85.57E 68–29 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=9.0km az=38.5.
MOS Error ellipse: s-maj=20.2km s-min=10.1km az=109.3.
IDC Error ellipse: s-maj=21.8km s-min=12.6km az=32.0.
IDC IV 23 21 24 45.4–1.1 33.31N 80.20E 0 3.3,3.2
¶16153315
IDC Error ellipse: s-maj=34.0km s-min=21.3km az=69.0.
IDC IV 25 00 42 18.8–1.4 33.34N 81.86E 0 3.6,3.4
¶16153356
IDC Error ellipse: s-maj=40.2km s-min=27.9km az=70.0.
ISC V 03 20 22 25.6–.93 35.21N–.09 88.4E–.20 35 11 8-80
IDC V 03 20 22 21.4–1.6 35.17N 88.41E 0 3.2,3.2b **¶16154876**
ISCJB V 03 20 22 22.9–.67 35.22N–.06 88.3E–.20 33 3.1b,3.2b
ISC Event type ke.
ISCJB Event type ke.
IDC V 04 01 45 20.1–.83 31.00N 86.57E 0 3.7,3.7L
¶16154882
IDC Error ellipse: s-maj=27.7km s-min=16.7km az=51.0.
IDC V 06 21 54 49.9–1.5 31.68N 82.76E 0 3.4,3.4L
¶16155466
IDC Error ellipse: s-maj=73.4km s-min=17.6km az=61.0.
ISC V 14 14 57 15.1–.70 31.73N–.07 91.18E–.10 10 3.7b 21 5-84
ISCJB V 14 14 57 13.0–.54 31.63N–.06 91.25E–.08 10 3.7b,2.7s **¶13065834**
IDC V 14 14 57 12.6–1.0 31.48N 91.06E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=6.4km az=36.5.
IDC Error ellipse: s-maj=36.7km s-min=19.6km az=65.0.
ISC V 14 23 59 10.0–.82 31.9N–.10 95.3E–.10 35 4.0b,3.1s 14 4-86
BJI V 14 23 59 01.4 31.73N 94.96E 10 4.1b,3.8L **¶13678963**
IDC V 14 23 59 06.8–.80 32.19N 95.14E 0 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=16.0km az=52.0.
ISC V 15 04 13 58.9–.68 34.84N–.08 80.8E–.10 35 3.7b 21 5-147
IDC V 15 04 13 53.5–.73 34.82N 80.61E 0 3.8,3.7 **¶16155756**
ISCJB V 15 04 13 57.2–.53 34.92N–.05 80.7E–.10 33 3.6b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC V 20 00 38 16.8–.46 33.72N–.06 82.50E–.06 35 4.1b,3.3s 95 8-83
ISCJB V 20 00 38 14.9–.35 33.76N–.04 82.48E–.06 33 4.1b,3.3s **¶13439716**
MOS V 20 00 38 14.7–1.0 33.75N 82.53E 33 4.5b,3.3s
NEIC V 20 00 38 16.8–.81 33.73N 82.51E 35–8 4.4b,3.3s
IDC V 20 00 38 18.0–3.3 33.75N 82.52E 43–30 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.4km az=147.0.
MOS Error ellipse: s-maj=13.1km s-min=6.5km az=110.7.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.6km az=221.0.
IDC Error ellipse: s-maj=24.1km s-min=13.8km az=45.0.
ISC V 29 20 45 04.8–.65 32.68N–.07 81.82E–.08 35 3.5b 20 4-84
IDC V 29 20 44 59.9–.85 32.67N 81.69E 0 3.7,3.6 **¶13193174**
ISCJB V 29 20 45 02.9–.55 32.64N–.05 81.74E–.09 33 3.5b,2.2s
NDI V 29 20 45 49.5–1.3 31.87N 77.95E 24–8 2.9L,2.2s
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=15.5km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=6.7km az=17.4.
NDI Error ellipse: s-maj=6.7km s-min=10.8km az=-1.0.
ISC V 29 21 28 12.5–2.5 30.81N–.05 86.62E–.04 5–17 4.1b 52 3-85
BJI V 29 21 28 10.9 30.86N 86.20E 14 4.9b,4.3b **¶13193176**
NDI V 29 21 28 10.2–2.1 30.98N 87.33E 33 4.2L,4.3b
IDC V 29 21 28 11.6–.73 30.83N 86.67E 0 4.1,4.0
DMN V 29 21 28 13.1–.67 31.44N 86.75E 10 4.5L,4.0
ISC Event type ke.
NDI Error ellipse: s-maj=18.8km s-min=19.8km az=-1.0.
IDC Error ellipse: s-maj=22.4km s-min=14.6km az=45.0.
DMN Event type ke. Error ellipse: s-maj=14.4km s-min=7.5km az=30.0.
ISC V 30 19 14 35.4–.61 32.79N–.09 81.68E–.06 35 3.9b,3.0s 53 4-76
IDC V 30 19 14 29.9–.74 32.65N 81.66E 0 4.0,3.8 **¶13679989**
ISCJB V 30 19 14 32.8–.40 32.82N–.05 81.70E–.05 33 3.8b,3.0s
NEIC V 30 19 14 35.1–.49 32.84N 81.72E 35 4.1b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=13.8km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.9km az=35.8.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.9km az=47.0.
ISC VI 01 05 27 55.8–.67 29.91N–.10 88.2E–.10 37 3.9b 17 5-81
IDC VI 01 05 27 50.0–.84 29.82N 88.08E 0 4.0L,3.9 **¶13439851**
ISCJB VI 01 05 27 54.0–.66 29.9N–.10 88.0E–.20 37 3.8b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC VI 03 06 11 01.7–1.2 29.6N–.10 90.6E–.40 8 3.7b 8 4-76
IDC VI 03 06 11 01.5–1.7 29.74N 90.69E 0 3.7,3.6L **¶13194791**
ISC Event type ke.
IDC Error ellipse: s-maj=66.2km s-min=19.9km az=70.0.
ISC VI 04 02 54 48.8–.34 32.77N–.03 81.67E–.03 12–1 5.0b,4.3s 582 4-150
SZGRF VI 04 02 54 41.2 31.17N 83.23E 33 5.2b,4.1s **¶12895862**
NDI VI 04 02 54 44.1–6.3 33.31N 82.08E 10 5.2b,5.1b
LDG VI 04 02 54 45.9–.12 32.84N 81.69E 10 5.1b,4.1s
BJI VI 04 02 54 46.5 32.93N 81.70E 10 4.8s,4.8b
IDC VI 04 02 54 46.2–.45 32.65N 81.73E 0 4.7,4.6
NNC VI 04 02 54 46.4–11 32.65N 81.42E 0 4.9b,4.6
ISCJB VI 04 02 54 47.4–.83 32.81N–.02 81.77E–.02 10–5 4.9b,4.3s
MOS VI 04 02 54 48.7–1.6 32.82N 81.81E 21 5.2b,4.3s
NEIC VI 04 02 54 48.1–2.9 32.78N 81.76E 7–17 5.2b,4.3s
TEH VI 04 02 54 49.0 32.94N 81.71E 10 5.0L,4.3s
DMN VI 04 02 54 49.9–.36 33.00N 81.64E 10 5.1L,4.3s
DJA VI 04 02 54 50.0–3.0 33N–8.0 82E–6.0 19–25 5.5,5.3b
GCMT VI 04 02 54 54.7–.30 32.79N 81.82E 27–1 5.0W,5.3b
ISC Event type ke.
SZGRF Xizang.
NDI Error ellipse: s-maj=39.2km s-min=23.7km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=71.0.
IDC Error ellipse: s-maj=13.4km s-min=9.7km az=52.0.
NNC Error ellipse: s-maj=158.7km s-min=70.1km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=32.3.
MOS Error ellipse: s-maj=8.3km s-min=3.4km az=128.5.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.8km az=211.0.
DMN Event type ke. Error ellipse: s-maj=9.7km s-min=7.0km az=41.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s25,c31; s71,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.66±.17 $M_{\theta\theta}$-2.63±.13; $M_{\phi\phi}$3.29±.12; $M_{r\theta}$1.18±.30; $M_{\theta\phi}$-1.33±.10; $M_{\phi r}$-0.11±.22; Best double couple: NP1:ϕ_s211.00000°,δ70.00000°,λ-13.00000°. NP2:ϕ_s305.00000°,δ78.00000°,λ-160.00000°. Principal axes: T 3.6100,Plg5.0000° ,Azm77.0000°; N -0.2200,Plg67.0000°,Azm335.0000°; P -3.3900,Plg23.0000° ,Azm169.0000° M_o3.50000×10^{16}
ISC VI 04 06 44 51.2–.36 32.83N–.02 81.78E–.02 13–2 4.8b,3.8s 391 4-155
BJI VI 04 06 44 47.5 32.85N 81.60E 10 4.6b,4.5b **¶12895865**
IDC VI 04 06 44 47.7–.48 32.74N 81.78E 0 4.5,4.4
LDG VI 04 06 44 49.0–.11 32.88N 81.97E 10 4.8b,3.5s
ISCJB VI 04 06 44 49.5–.14 32.84N–.02 81.85E–.02 11 4.6b,3.8s
TEH VI 04 06 44 50.0 32.79N 81.69E 10 4.7L,3.8s
NEIC VI 04 06 44 50.6–.31 32.83N 81.91E 10 4.6b,3.8s
NDI VI 04 06 44 51.7–3.2 32.63N 81.85E 10 4.6W,4.6b
MOS VI 04 06 44 52.6–1.3 32.92N 82.00E 33 5.0b,4.6b
NNC VI 04 06 44 54.7–9.8 33.23N 81.21E 0 4.6b,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=10.6km az=41.0.
LDG Event type ke. Error ellipse: s-maj=7.2km s-min=3.8km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=36.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.9km az=37.0.
NDI Error ellipse: s-maj=18.3km s-min=11.3km az=-1.0.
MOS Error ellipse: s-maj=8.3km s-min=3.9km az=120.6.
NNC Error ellipse: s-maj=134.1km s-min=47.3km az=143.0.
ISC VI 05 06 58 53.4–.51 32.89N–.05 82.10E–.07 35 3.9b 66 4-84
IDC VI 05 06 58 48.2–.69 32.89N 82.19E 0 4.2,4.0 **¶13680546**
ISCJB VI 05 06 58 50.9–.34 32.87N–.03 82.08E–.06 33 4.0b,4.0
NEIC VI 05 06 58 50.2–.54 32.86N 82.07E 10 4.3b,4.0
NDI VI 05 06 58 50.9–3.4 32.79N 82.03E 10 4.4L,4.3b
MOS VI 05 06 58 51.8–.88 32.97N 82.21E 33 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=13.9km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=178.7.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=7.9km az=52.0.
NDI Error ellipse: s-maj=24.5km s-min=17.6km az=-1.0.
MOS Error ellipse: s-maj=19.1km s-min=7.6km az=112.6.
IDC VI 05 20 18 42.8–2.8 32.81N 81.77E 0 3.4,3.3
¶16100994
IDC Error ellipse: s-maj=112.6km s-min=20.5km az=66.0.
ISC VI 06 09 44 36.9–.34 30.93N–.02 86.21E–.02 10–2 4.6b,4.2s 303 3-152
DMN VI 06 09 44 29.8–.68 31.90N 86.29E 10 4.8L,4.2s **¶12938999**
IDC VI 06 09 44 34.9–.47 30.91N 86.27E 0 4.4,4.3
BJI VI 06 09 44 35.4 31.00N 86.32E 10 4.7b,4.7b
LDG VI 06 09 44 36.7–.29 31.11N 85.88E 10 4.9b,3.9s
NEIC VI 06 09 44 37.0–.27 31.00N 86.31E 10 4.6b,3.9s
ISCJB VI 06 09 44 36.9–1.1 31.05N–.03 86.29E–.03 15–7 4.5b,4.2s
NDI VI 06 09 44 37.5–2.7 31.13N 86.31E 10 4.6b,4.5L
MOS VI 06 09 44 38.6–1.4 30.98N 86.30E 33 4.7b,4.0s
GCMT VI 06 09 44 42.4–.30 30.99N 86.43E 32–1 4.9W,4.0s
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=15.0km s-min=7.5km az=174.0.
IDC Error ellipse: s-maj=14.7km s-min=11.9km az=36.0.
LDG Event type ke. Error ellipse: s-maj=14.0km s-min=8.5km az=110.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.6km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=24.1.
NDI Error ellipse: s-maj=14.5km s-min=12.2km az=-1.0.
MOS Error ellipse: s-maj=10.0km s-min=4.7km az=117.1.
GCMT Event type se. Data Used: IU IC CN G II. Moment Tensor Solution. s16,c20; s63,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.50±.21 $M_{\theta\theta}$-2.78±.15; $M_{\phi\phi}$3.28±.15; $M_{r\theta}$0.78±.23; $M_{\theta\phi}$-0.60±.14; $M_{\phi r}$-0.17±.21; Best double couple: NP1:ϕ_s218.00000°,δ76.00000°,λ-9.00000°. NP2:ϕ_s311.00000°,δ81.00000°,λ-166.00000°. Principal axes: T 3.3600,Plg4.0000° ,Azm84.0000°; N -0.2900,Plg73.0000°,Azm342.0000°; P -3.0700,Plg17.0000° ,Azm175.0000° M_o3.20000×10^{16}
IDC VI 07 02 28 47.0–1.9 30.49N 83.15E 0 3.8,3.6
¶16101042
IDC Error ellipse: s-maj=88.2km s-min=26.1km az=60.0.
IDC VI 08 22 10 14.5–1.5 34.16N 86.16E 0 3.6,3.4
¶16101121
IDC Error ellipse: s-maj=35.4km s-min=27.7km az=66.0.
ISC VI 09 01 52 06.3–.57 33.95N–.07 89.09E–.07 17 3.8b,3.5s 33 5-150
BJI VI 09 01 52 00.5 33.90N 89.22E 7 4.5b,4.3b **¶13195806**
IDC VI 09 01 52 03.5–.70 33.73N 88.71E 0 4.1,4.0
ISCJB VI 09 01 52 04.2–.40 33.94N–.04 89.15E–.08 17 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke.

IDC VI 09 15 27 37.6–.95 33.29N 86.13E 0 3.8,3.6
¶16101154

IDC Error ellipse: s-maj=29.4km s-min=19.4km az=54.0.
ISC VI 10 19 08 09.5–.70 32.42N–.07 85.22E–.09 16 4.0b 19 10-147
IDC VI 10 19 08 06.5–.73 32.31N 85.22E 0 4.0,3.8 **¶13196071**
ISCJB VI 10 19 08 07.5–.54 32.37N–.05 85.15E–.08 16 3.9b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC VI 11 21 37 33.8–.44 30.71N–.05 83.58E–.04 18 3.8b,3.5s 66 3-86
IDC VI 11 21 37 31.3–.89 30.75N 83.73E 0 4.0,3.8 **¶13196308**
ISCJB VI 11 21 37 32.0–.36 30.71N–.04 83.53E–.04 18 3.8b,3.5s
NEIC VI 11 21 37 33.2–.56 30.79N 83.49E 10 4.1b,3.5s
NDI VI 11 21 37 36.3–2.9 30.44N 83.46E 10 4.1b,3.8L
BJI VI 11 21 37 36.0 31.61N 83.88E 5 4.4b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=17.8km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.0km az=16.1.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.8km az=220.0.
NDI Error ellipse: s-maj=20.0km s-min=15.1km az=-1.0.
IDC VI 13 14 30 37.4–.97 35.36N 87.24E 0 3.6,3.5L
¶16101281

IDC Error ellipse: s-maj=36.6km s-min=18.1km az=61.0.
IDC VI 14 05 50 42.0–.99 32.69N 81.89E 0 3.8,3.8
¶16101303

IDC Error ellipse: s-maj=36.9km s-min=18.2km az=62.0.
IDC VI 18 13 00 28.9–1.1 31.20N 97.36E 0 3.8,3.6
¶16101468

IDC Error ellipse: s-maj=43.2km s-min=18.4km az=60.0.
IDC VI 18 15 54 19.7–1.8 32.24N 95.92E 0 3.5,3.4b
¶16101473

IDC Error ellipse: s-maj=190.3km s-min=20.0km az=59.0.
IDC VI 21 10 12 30.5–.83 32.24N 85.09E 0 3.7,3.6
¶13383527

IDC Error ellipse: s-maj=28.9km s-min=17.2km az=56.0.
IDC VI 30 11 48 01.7–1.5 29.56N 98.99E 0 3.8,3.6b
¶13367796

IDC Error ellipse: s-maj=206.1km s-min=19.5km az=58.0.
ISC VI 30 15 07 29.2–1.0 31.3N–.10 83.4E–.20 35 3.7b 12 3-73
IDC VI 30 15 07 23.6–1.9 31.04N 83.28E 0 3.6,3.6b **¶13584604**
ISCJB VI 30 15 07 27.6–.74 31.31N–.08 83.5E–.20 33 3.6b,3.6b
DMN VI 30 15 07 38.8–5.7 30.36N 83.83E 10 3.6b,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=107.9km s-min=24.2km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=30.5km s-min=8.2km az=163.3.
DMN Event type ke. Error ellipse: s-maj=147.1km s-min=15.7km az=163.0.

(307) Sichuan.

ISC I 02 11 00 10.4–.38 31.89N–.04 104.32E–.04 19–1 4.6b,3.6s 243 1-94
MOS I 02 11 00 09.5–.78 31.88N 104.30E 27 4.7b,3.6s **¶11593981**
ISCJB I 02 11 00 09.0–1.1 31.88N–.03 104.27E–.03 24–8 4.5b,3.7s
NEIC I 02 11 00 10.6–.20 31.90N 104.19E 20 4.7b,3.7s
IDC I 02 11 00 10.5–.55 31.92N 104.31E 19–3 4.4,4.4
BJI I 02 11 00 11.6 31.92N 104.21E 30 4.6b,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=8.6km s-min=5.9km az=106.7.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.2km az=156.1.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=4.0km az=163.0.
IDC Error ellipse: s-maj=16.5km s-min=9.6km az=48.0.
ISC I 02 12 51 52.3–.84 31.58N–.06 104.16E–.07 14 3.4b 13 1-62
IDC I 02 12 51 51.0–1.1 31.79N 104.62E 0 3.6,3.5 **¶12079821**
ISCJB I 02 12 51 51.1–.65 31.50N–.07 104.22E–.09 14 3.4b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC I 02 13 23 42.1–.62 32.14N–.05 105.23E–.06 14 3.8b 22 2-80
IDC I 02 13 23 39.9–.76 32.27N 105.17E 0 3.9,3.7b **¶12079822**
ISCJB I 02 13 23 40.5–.50 32.12N–.04 105.05E–.08 14 3.7b,3.7b
BJI I 02 13 23 41.6 32.20N 105.18E 10 3.5s,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=39.5km s-min=16.0km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.6km az=24.0.
ISC I 04 23 01 12.9–.55 31.60N–.04 103.96E–.06 14 3.8b 30 1-74
IDC I 04 23 01 10.7–.99 31.63N 104.02E 0 3.8,3.7 **¶12080303**
ISCJB I 04 23 01 11.2–.41 31.70N–.04 104.00E–.06 14 3.8b,3.7
BJI I 04 23 01 13.6 31.73N 104.15E 16 3.6L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=19.0km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=16.2.
ISC I 06 17 31 10.1–.54 32.04N–.04 104.72E–.05 14 3.9b 42 1-81
IDC I 06 17 31 07.7–.86 32.11N 104.93E 0 3.9,3.8b **¶12080533**
ISCJB I 06 17 31 08.1–.39 32.00N–.03 104.76E–.05 14 3.9b,3.8b
BJI I 06 17 31 11.2 32.02N 104.71E 15 3.6L,3.8b
NEIC I 06 17 31 14.8–1.0 32.13N 104.84E 55–12 4.5b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=16.9km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.3km az=18.6.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.3km az=75.0.
ISC I 07 02 57 51.0–.52 32.08N–.03 104.45E–.06 15 4.0b 44 1-94
IDC I 07 02 57 48.1–.71 31.97N 104.28E 0 4.0,3.9b **¶12080590**
ISCJB I 07 02 57 49.1–.39 32.03N–.03 104.49E–.06 15 4.0b,3.9b
NEIC I 07 02 57 49.8–.46 31.95N 104.21E 10 4.1b,3.9b
BJI I 07 02 57 52.1 32.05N 104.57E 15 3.7L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=15.2km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.6km az=10.7.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.5km az=223.0.
ISC I 07 05 22 16.9–1.1 32.09N–.03 104.51E–.04 13–7 4.5b,3.5s 155 1-96
IDC I 07 05 22 14.6–.49 32.11N 104.54E 0 4.3,4.3 **¶13404647**
MOS I 07 05 22 17.9–.82 32.08N 104.52E 33 4.5b,4.3
BJI I 07 05 22 18.5 32.09N 104.40E 26 4.5b,4.4L
NEIC I 07 05 22 20.8–.68 32.11N 104.50E 43–7 4.3b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=11.3km az=49.0.
MOS Error ellipse: s-maj=11.6km s-min=6.4km az=99.9.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=59.0.
ISC I 08 04 50 27.4–.61 32.25N–.04 105.09E–.05 14 3.6b 23 2-80
IDC I 08 04 50 25.7–1.0 32.04N 104.75E 0 3.7,3.6b **¶12080709**
ISCJB I 08 04 50 26.5–.49 32.19N–.04 105.23E–.06 14 3.6b,3.6b
BJI I 08 04 50 27.7 32.27N 105.10E 10 3.5L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=60.1km s-min=19.4km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.7km az=37.7.
ISC I 08 05 49 29.9–.77 32.56N–.04 105.35E–.07 10 14 2-62
ISCJB I 08 05 49 29.0–.78 32.41N–.06 105.45E–.09 10 4.0b **¶12080711**
BJI I 08 05 49 30.0 32.54N 105.31E 10 3.5L
IDC I 08 05 49 31.2–2.6 32.51N 106.29E 0 4.0,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.8km az=31.3.
IDC Error ellipse: s-maj=88.2km s-min=43.0km az=90.0.
IDC I 10 06 47 31.3–1.4 28.07N 104.78E 0 3.7b,3.7
¶12080919

IDC Error ellipse: s-maj=49.3km s-min=22.7km az=71.0.
ISC I 12 19 36 34.6–.73 31.09N–.04 103.76E–.07 16 3.6b 21 0-82
IDC I 12 19 36 31.6–1.3 31.05N 103.61E 0 3.9,3.7b **¶12081133**
ISCJB I 12 19 36 33.4–.50 31.20N–.04 103.80E–.10 16 3.5b,3.7b
BJI I 12 19 36 33.4 31.11N 103.82E 11 4.1b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=21.4km az=43.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=4.9km az=12.5.
ISC I 13 09 41 40.5–.80 31.68N–.05 104.42E–.06 9 3.2b 14 1-81
ISCJB I 13 09 41 37.9–.59 31.71N–.06 104.52E–.07 9 3.2b **¶12081177**
IDC I 13 09 41 39.3–1.1 31.72N 104.44E 0 3.5,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.8km az=135.4.
IDC Error ellipse: s-maj=63.9km s-min=20.6km az=61.0.
ISC I 14 11 11 39.3–.71 32.48N–.04 105.44E–.05 11 3.4b 18 2-59
ISCJB I 14 11 11 37.2–.63 32.48N–.04 105.55E–.07 11 4.0s,3.4b **¶12081265**
IDC I 14 11 11 37.4–1.6 32.13N 104.88E 0 4.1s,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.5km az=13.7.
IDC Error ellipse: s-maj=95.2km s-min=26.3km az=56.0.
ISC I 14 18 23 40.0–.38 31.18N–.03 103.40E–.03 23–2 4.9b,4.0s 488 0-169
IDC I 14 18 23 36.0–.57 31.16N 103.31E 0 4.7,4.7 **¶11594683**
BJI I 14 18 23 36.8 31.26N 103.21E 15 5.0L,4.9b
ISCJB I 14 18 23 36.2–.93 31.17N–.02 103.37E–.02 10–5 4.8b,4.0s
NEIC I 14 18 23 37.8–1.9 31.18N 103.32E 10–12 5.0b,4.0s
MOS I 14 18 23 39.6–.98 31.16N 103.38E 33 5.0b,4.0s
TEH I 14 18 23 42.2 31.57N 103.41E 33 5.2L,4.0s
DJA I 14 18 23 42 31.44N 103.17E 10 5.0b,4.0s
SZGRF I 14 18 23 55.3 33.26N 102.78E 33 4.9b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=13.0km az=27.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=3.0km az=13.9.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.0km az=189.0. Felt [II] at Chengdu.
MOS Error ellipse: s-maj=7.1km s-min=4.3km az=117.1.
SZGRF Sichuan, China.
ISC I 14 19 25 52.6–.81 31.18N–.05 103.30E–.10 16 3.6b 18 0-59
IDC I 14 19 25 49.3–1.2 31.15N 103.28E 0 3.8,3.7b **¶12081288**
ISCJB I 14 19 25 51.3–.55 31.28N–.04 103.31E–.08 16 3.6b,3.7b
ISC Event type ke.
ISCJB Event type ke.
ISC I 18 05 53 35.3–.99 31.7N–.10 104.3E–.10 9 3.4b 10 1-81
ISCJB I 18 05 53 33.6–.83 31.66N–.10 104.3E–.10 9 3.4b **¶12081608**
IDC I 18 05 53 34.7–1.6 31.80N 104.42E 0 3.6,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.5km s-min=7.1km az=35.3.
IDC Error ellipse: s-maj=113.5km s-min=24.5km az=68.0.
ISC I 18 08 19 19.0–.56 28.83N–.05 102.13E–.05 10 4.3b 60 3-84
IDC I 18 08 19 16.5–.85 28.81N 102.10E 0 4.2,4.1b **¶12081622**
ISCJB I 18 08 19 17.1–.40 28.90N–.03 102.21E–.04 10 4.2b,4.1b
BJI I 18 08 19 19.4 28.80N 102.10E 15 4.3b,4.2L
MOS I 18 08 19 20.0–1.3 28.89N 102.13E 33 4.5b,4.2L
NEIC I 18 08 19 23.2–1.3 28.92N 102.27E 44–14 4.4b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=15.8km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.4km az=16.0.
MOS Error ellipse: s-maj=19.7km s-min=11.0km az=94.8.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.2km az=80.0.
ISC I 19 01 12 14.0–.71 31.90N–.05 104.53E–.06 10 4.0b 17 1-81
ISCJB I 19 01 12 11.0–.55 31.93N–.03 104.50E–.08 10 3.9b **¶12081690**
BJI I 19 01 12 13.2 31.83N 104.63E 14 3.5L
IDC I 19 01 12 13.7–1.0 32.06N 104.31E 0 4.0,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.7km az=9.6.
IDC Error ellipse: s-maj=43.8km s-min=21.5km az=55.0.
ISC I 19 02 05 57.4–1.3 30.91N–.09 102.5E–.20 10 3.2b 10 5-59
IDC I 19 02 05 56.4–1.5 30.73N 102.21E 0 3.3,3.1L **¶12081693**
ISC Event type ke.
IDC Error ellipse: s-maj=86.2km s-min=24.2km az=61.0.
ISC I 20 21 20 38.8–.43 31.82N–.04 104.33E–.04 15 4.0b 90 4-81
ISCJB I 20 21 20 36.5–.28 31.76N–.03 104.36E–.03 15 4.0b,2.8s **¶11677642**
IDC I 20 21 20 36.6–.65 31.86N 104.35E 0 4.1,4.0
NEIC I 20 21 20 38.3–.35 31.85N 104.23E 10 4.1b,4.0
BJI I 20 21 20 38.0 31.90N 104.43E 18 4.3b,3.9s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=12.5.
IDC Error ellipse: s-maj=28.5km s-min=13.4km az=50.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=6.1km az=170.0.
ISC I 21 15 54 12.0–.67 32.18N–.05 105.23E–.05 10 3.5b 20 2-80
ISCJB I 21 15 54 09.6–.51 32.27N–.05 105.14E–.06 10 3.4b **¶12081981**
IDC I 21 15 54 10.3–.98 32.25N 105.02E 0 3.6,3.5s
BJI I 21 15 54 13.8 32.17N 105.22E 13 3.8L,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.9km az=43.4.
IDC Error ellipse: s-maj=50.9km s-min=19.0km az=61.0.
ISC I 24 08 00 57.9–.69 29.45N–.04 105.53E–.08 29 3.6b 18 2-83
IDC I 24 08 00 53.0–1.0 29.68N 105.72E 0 4.3L,3.8 **¶12082202**
BJI I 24 08 00 53.3 29.44N 105.73E 12 3.9b,3.6L
ISCJB I 24 08 00 55.8–.56 29.51N–.06 105.6E–.10 29 3.6b,3.4s
ISC Event type ke.
ISCJB Event type ke.
BJI I 26 12 46 49.2 31.88N 104.36E 11 3.2L
IDC I 26 12 46 49.5–2.7 31.93N 105.28E 0 3.8,3.6b **¶12082371**
IDC Error ellipse: s-maj=85.2km s-min=41.7km az=92.0.
ISC I 28 06 02 05.8–.72 27.06N–.05 102.46E–.07 10 3.8b 25 2-86
ISCJB I 28 06 02 02.9–.52 27.01N–.03 102.45E–.07 10 3.7b,2.9s **¶12082550**
IDC I 28 06 02 03.5–.99 27.08N 102.62E 0 3.9,3.7
BJI I 28 06 02 05.8 27.07N 102.76E 14 4.6b,4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.9km az=177.3.
IDC Error ellipse: s-maj=36.1km s-min=17.9km az=56.0.
IDC I 28 12 08 44.3–3.8 30.27N 107.18E 0 3.4,3.3s
¶12082567

IDC Error ellipse: s-maj=570.5km s-min=28.7km az=53.0.
ISC I 28 13 28 15.0–.63 32.40N–.04 105.14E–.05 10 3.3b 21 2-80
IDC I 28 13 28 12.4–1.0 32.44N 105.31E 0 3.6L,3.6 **¶12082571**
ISCJB I 28 13 28 13.1–.48 32.40N–.04 105.25E–.07 10 3.4b,3.6
BJI I 28 13 28 16.9 32.33N 105.13E 10 3.8L,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=48.8km s-min=20.3km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.9km az=18.1.
ISC I 28 23 01 22.5–.62 32.97N–.04 105.29E–.05 14 3.7b 24 2-80
ISCJB I 28 23 01 20.7–.50 32.90N–.04 105.20E–.07 14 3.6b **¶12082615**
IDC I 28 23 01 20.3–.96 32.99N 105.31E 0 3.8,3.7L
BJI I 28 23 01 22.9 33.05N 105.27E 17 3.3s,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.4km az=17.2.
IDC Error ellipse: s-maj=51.3km s-min=18.8km az=60.0.
ISC I 29 22 05 21.4–1.3 32.32N–.09 105.22E–.06 10 3.3b 12 4-62
ISCJB I 29 22 05 19.6–.92 32.41N–.07 105.41E–.07 10 3.2b **¶12082695**
IDC I 29 22 05 20.1–2.1 32.09N 104.96E 0 3.5,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=8.2km az=2.8.
IDC Error ellipse: s-maj=370.2km s-min=22.1km az=53.0.
ISC I 30 02 16 40.6–.72 31.74N–.05 104.03E–.07 10 3.7b 18 1-81
IDC I 30 02 16 38.9–1.1 31.62N 104.25E 0 3.8L,3.7 **¶12082706**
ISCJB I 30 02 16 39.3–.54 31.76N–.04 104.18E–.07 10 3.5b,3.4s
BJI I 30 02 16 40.2 31.81N 104.31E 19 3.4L,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=63.3km s-min=19.8km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.1km az=18.7.
ISC I 31 10 37 02.3–.80 31.28N–.06 103.96E–.07 10 3.6b 14 0-82
ISCJB I 31 10 37 00.7–.60 31.22N–.07 104.12E–.08 10 3.6b **¶12082807**
IDC I 31 10 37 01.4–.96 31.15N 103.73E 0 3.8,3.7b
BJI I 31 10 37 04.8 31.24N 103.85E 14 3.1L,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=5.2km az=136.1.
IDC Error ellipse: s-maj=39.7km s-min=17.3km az=58.0.
ISC I 31 17 36 40.3–.33 32.40N–.03 105.35E–.03 11 4.5b,3.5s 183 2-90
IDC I 31 17 36 38.8–.51 32.47N 105.36E 0 4.4,4.3 **¶11677759**
ISCJB I 31 17 36 38.5–.22 32.40N–.02 105.37E–.03 11 4.4b,3.5s
BJI I 31 17 36 39.2 32.42N 105.41E 13 4.7b,4.3L
NEIC I 31 17 36 40.3–2.1 32.46N 105.31E 11–13 4.4b,4.3L

MOS I 31 17 36 41.6–.90 32.40N 105.33E 33 4.6b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=11.1km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.4km az=42.3.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=4.1km az=54.0.
MOS Error ellipse: s-maj=8.8km s-min=6.3km az=102.1.
ISC II 01 13 29 31.1–.62 31.74N–.04 104.46E–.05 9 3.8b 22 1-81
ISCJB II 01 13 29 29.4–.47 31.72N–.05 104.49E–.05 9 3.9b,2.8s **¶12699334**
IDC II 01 13 29 29.8–.82 31.80N 104.50E 0 4.0,3.8
BJI II 01 13 29 31.2 31.72N 104.46E 16 4.1b,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.1km az=136.6.
IDC Error ellipse: s-maj=30.5km s-min=16.9km az=58.0.
ISC II 02 00 02 23.9–.74 31.68N–.05 104.14E–.07 14 3.5b 14 1-57
ISCJB II 02 00 02 21.7–.61 31.76N–.04 104.23E–.08 14 3.5b **¶15954876**
IDC II 02 00 02 21.4–3.4 31.50N 103.86E 0 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=4.9km az=20.2.
IDC Error ellipse: s-maj=74.3km s-min=33.7km az=3.0.
ISC II 02 01 46 32.9–.54 31.89N–.04 104.97E–.05 14 3.7b 31 1-68
ISCJB II 02 01 46 30.6–.36 31.78N–.03 105.02E–.04 14 3.8b,2.9s **¶12699375**
IDC II 02 01 46 30.6–.77 31.81N 104.98E 0 4.0,3.9
BJI II 02 01 46 31.7 31.85N 105.02E 18 3.9s,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=34.2.
IDC Error ellipse: s-maj=34.1km s-min=14.9km az=54.0.
ISC II 03 19 11 15.5–.55 32.40N–.04 104.94E–.06 15 4.0b 35 2-80
ISCJB II 03 19 11 13.9–.41 32.40N–.04 104.92E–.05 15 3.9b **¶12699488**
IDC II 03 19 11 13.7–.73 32.37N 105.08E 0 4.0,3.9b
BJI II 03 19 11 14.2 32.32N 105.04E 9 3.8s,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.3km az=31.3.
IDC Error ellipse: s-maj=38.1km s-min=15.2km az=63.0.
ISC II 05 10 03 57.1–.88 32.23N–.06 105.39E–.07 10 3.1b 11 2-80
ISCJB II 05 10 03 54.1–.81 32.15N–.06 105.30E–.09 10 3.2b,3.1s **¶15955061**
IDC II 05 10 03 55.6–1.5 32.29N 105.40E 0 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=6.3km az=35.5.
IDC Error ellipse: s-maj=70.7km s-min=27.6km az=62.0.
ISC II 07 21 21 06.9–.47 30.86N–.03 103.27E–.03 15–2 4.8b,3.6s 332 0-150
BJI II 07 21 21 06.0 30.91N 103.16E 20 4.7L,4.7b **¶11667407**
ISCJB II 07 21 21 06.3–.69 30.84N–.03 103.24E–.02 25–5 4.8b,3.6s
MOS II 07 21 21 06.4–.97 30.85N 103.26E 25 5.0b,3.6s
IDC II 07 21 21 07.5–2.3 30.86N 103.25E 19–13 4.5,4.4
DJA II 07 21 21 09 30.86N 103.26E 10 4.9b,4.4
NEIC II 07 21 21 10.6–.62 30.88N 103.27E 42–6 4.9b,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=170.7.
MOS Error ellipse: s-maj=8.3km s-min=4.8km az=111.9.
IDC Error ellipse: s-maj=15.2km s-min=9.4km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.6km az=47.0. Felt [II] at Chengdu.
ISC II 08 12 48 22.1–.78 31.14N–.03 103.85E–.06 14 3.3b 19 0-62
IDC II 08 12 48 18.4–1.1 31.12N 103.59E 0 3.5,3.4 **¶15955217**
ISCJB II 08 12 48 19.6–.53 31.17N–.03 103.92E–.06 14 3.3b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC II 08 15 17 11.5–.86 31.32N–.03 103.94E–.04 16–5 4.3b,3.3s 155 0-114
IDC II 08 15 17 08.9–.54 31.38N 103.98E 0 4.3,4.2 **¶12699788**
ISCJB II 08 15 17 10.7–.79 31.32N–.03 103.93E–.03 26–6 4.3b,3.3s
BJI II 08 15 17 11.8 31.41N 103.81E 18 4.7L,4.5b
MOS II 08 15 17 12.2–1.0 31.34N 103.99E 36 4.7b,4.5b
NEIC II 08 15 17 14.3–.64 31.38N 103.95E 37–7 4.7b,4.5b
ISC Event type fe.
IDC Error ellipse: s-maj=17.6km s-min=11.2km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.7km az=33.0.
MOS Error ellipse: s-maj=10.8km s-min=6.3km az=97.1.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.0km az=223.0. Felt at Deyang.
ISC II 14 17 21 46.0–1.1 28.96N–.09 103.8E–.20 15 3.5b 12 2-66
IDC II 14 17 21 43.5–1.1 28.91N 103.71E 0 3.6,3.5 **¶15956075**
ISCJB II 14 17 21 44.2–.82 28.99N–.07 103.8E–.10 15 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC II 15 21 13 57.4–.60 29.33N–.04 105.13E–.05 10 3.9b 27 2-83
IDC II 15 21 13 55.6–1.1 29.29N 105.06E 0 3.9,3.9b **¶12700833**
ISCJB II 15 21 13 56.2–.39 29.38N–.03 105.09E–.05 10 3.8b,3.9b
BJI II 15 21 13 57.6 29.39N 105.08E 9 4.0b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=22.2km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.8km az=159.0.
ISC II 16 10 11 38.2–.69 31.22N–.05 103.88E–.08 14 3.7b 18 0-82
IDC II 16 10 11 35.9–.96 31.11N 103.85E 0 3.9,3.8 **¶12700891**
ISCJB II 16 10 11 36.9–.50 31.19N–.05 103.99E–.08 14 3.7b,3.2s
BJI II 16 10 11 37.5 31.13N 103.82E 12 3.6L,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=37.2km s-min=17.1km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.8km az=33.5.
ISC II 18 20 52 05.1–1.2 31.82N–.07 104.78E–.09 15 3.4b 9 1-81
IDC II 18 20 52 04.4–1.6 31.76N 104.37E 0 3.6,3.2 **¶15956588**
ISC Event type ke.
IDC Error ellipse: s-maj=82.6km s-min=29.4km az=59.0.
ISC II 19 15 03 48.6–1.1 31.13N–.06 103.49E–.09 16 3.3b 12 0-82
IDC II 19 15 03 45.9–1.1 31.04N 103.62E 0 3.6,3.4 **¶15956718**
ISC Event type ke.
IDC Error ellipse: s-maj=82.6km s-min=21.0km az=58.0.
ISC II 19 18 14 22.2–1.4 31.08N–.10 103.46E–.09 16 3.2b 9 0-27
BJI II 19 18 14 20.4 30.89N 103.42E 14 3.3L **¶12701268**
IDC II 19 18 14 25.2–5.9 31.96N 103.35E 0 3.3,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=138.6km s-min=32.4km az=8.0.
ISC II 20 01 03 26.8–.53 31.89N–.04 104.38E–.05 15 4.2b 41 1-81
ISCJB II 20 01 03 25.9–.38 31.93N–.04 104.27E–.07 15 4.0b **¶13434887**
IDC II 20 01 03 25.1–.71 31.87N 104.19E 0 4.1,4.0
BJI II 20 01 03 28.4 31.90N 104.32E 16 4.4b,4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.3km az=31.7.
IDC Error ellipse: s-maj=24.0km s-min=14.6km az=51.0.
ISC II 20 04 29 16.3–.47 32.19N–.04 104.81E–.05 14 4.1b 56 2-94
ISCJB II 20 04 29 14.1–.36 32.18N–.04 104.91E–.04 14 4.1b **¶12701309**
BJI II 20 04 29 15.6 32.13N 104.82E 11 4.1b,3.9s
NEIC II 20 04 29 15.8–.33 32.25N 104.84E 10 4.2b,3.9s
IDC II 20 04 29 19.2–8.0 32.23N 104.77E 33–62 4.5L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=158.8.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.0km az=72.0.
IDC Error ellipse: s-maj=31.7km s-min=14.0km az=60.0.
ISC II 21 14 16 10.7–.84 30.89N–.05 103.66E–.08 10 3.4b 15 0-82
ISCJB II 21 14 16 08.8–.63 30.90N–.06 103.56E–.08 10 3.2b **¶12701434**
IDC II 21 14 16 08.9–.95 30.96N 103.73E 0 4.2L,3.7
BJI II 21 14 16 08.9 31.05N 103.15E 9 3.4L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=8.1km az=178.4.
IDC Error ellipse: s-maj=42.1km s-min=18.5km az=65.0.
ISC II 24 14 11 42.3–.55 31.83N–.04 104.50E–.05 15 4.1b 35 1-81
ISCJB II 24 14 11 40.4–.43 31.78N–.03 104.55E–.06 15 3.9b **¶12701753**
IDC II 24 14 11 40.2–.86 31.82N 104.49E 0 3.9,3.8b
BJI II 24 14 11 42.1 31.73N 104.55E 11 3.6L,3.5s
NEIC II 24 14 11 45.7–1.1 31.86N 104.44E 40–12 4.6b,3.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.8km az=12.6.
IDC Error ellipse: s-maj=30.5km s-min=17.1km az=67.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.1km az=73.0.

ISC II 24 18 08 40.4–.86 31.98N–.06 104.61E–.06 15 3.2b 12 1-62
ISCJB II 24 18 08 38.4–.79 31.92N–.07 104.7E–.10 15 3.2b **¶15957175**
IDC II 24 18 08 40.6–1.1 31.99N 104.44E 0 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=7.5km az=30.2.
IDC Error ellipse: s-maj=88.3km s-min=18.5km az=58.0.
ISC II 26 08 59 19.5–.64 32.42N–.04 105.20E–.05 15 3.3b 22 2-80
IDC II 26 08 59 16.6–1.1 32.25N 105.27E 0 3.5,3.3 **¶12701911**
ISCJB II 26 08 59 18.3–.51 32.35N–.04 105.26E–.06 15 3.2b,3.3
BJI II 26 08 59 19.8 32.49N 105.21E 12 3.4L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=39.5km s-min=20.1km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.7km az=32.3.
ISC II 28 01 33 51.2–.78 32.20N–.05 105.71E–.05 10 15 2-59
ISCJB II 28 01 33 50.5–.71 32.26N–.05 105.69E–.07 10 3.1b **¶12702066**
IDC II 28 01 33 50.8–1.7 31.48N 104.39E 0 3.3,3.1
BJI II 28 01 33 51.0 32.32N 105.57E 9 3.8b,3.5s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.5km az=42.8.
IDC Error ellipse: s-maj=90.8km s-min=28.9km az=59.0.
ISC II 28 20 01 37.1–1.1 32.45N–.07 101.34E–.08 10 3.2b 11 3-64
BJI II 28 20 01 35.8 32.41N 101.70E 16 3.4L,3.3s **¶12702139**
IDC II 28 20 01 36.3–1.1 32.45N 101.66E 0 3.3,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=64.0km s-min=20.5km az=64.0.
ISC II 28 20 55 24.7–1.0 32.54N–.05 101.99E–.08 10 3.4b 13 2-64
BJI II 28 20 55 21.5 32.49N 101.78E 12 3.4s,3.3L **¶12702142**
ISCJB II 28 20 55 22.1–.63 32.57N–.03 102.10E–.06 10 3.2b,3.3L
IDC II 28 20 55 22.1–1.1 32.57N 102.28E 0 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.8km az=165.5.
IDC Error ellipse: s-maj=61.9km s-min=18.7km az=62.0.
ISC III 03 16 21 49.9–.45 31.78N–.03 104.97E–.03 19–1 5.0b,3.9s 482 1-128
ISCJB III 03 16 21 46.5–.86 31.80N–.02 104.97E–.02 8–5 4.9b,3.9s **¶13435482**
IDC III 03 16 21 46.9–.47 31.84N 104.98E 0 4.7,4.6
TEH III 03 16 21 48.0 31.77N 104.95E 10 5.0L,4.6
BJI III 03 16 21 48.7 31.90N 104.85E 25 4.7s,4.7b
NEIC III 03 16 21 48.6–.19 31.80N 104.79E 10 5.1b,4.7b
DJA III 03 16 21 50.4–.70 32N–9.0 105E–10 10 5.8b,5.4
MOS III 03 16 21 50.0–.76 31.81N 105.07E 33 5.2b,5.4
SZGRF III 03 16 21 55.8 31.70N 104.30E 33 5.2b,5.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.4km az=170.0.
IDC Error ellipse: s-maj=13.9km s-min=10.5km az=37.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.9km az=6.0. Felt at Chengdu and Mianyang.
MOS Error ellipse: s-maj=7.8km s-min=3.9km az=122.6.
SZGRF Sichuan, China.
ISC III 04 16 24 42.2–1.2 27.35N–.05 101.2E–.10 8 3.4b 10 3-60
ISCJB III 04 16 24 40.1–.82 27.36N–.04 101.36E–.10 8 3.4b,3.2s **¶12702434**
IDC III 04 16 24 41.2–1.1 27.41N 101.22E 0 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=5.7km az=174.7.
IDC Error ellipse: s-maj=32.9km s-min=17.9km az=77.0.
IDC III 04 19 49 58.3–2.1 27.17N 101.93E 0 3.6,3.4
¶12702451
IDC Error ellipse: s-maj=64.0km s-min=24.6km az=97.0.
ISC III 07 06 09 29.7–.65 31.44N–.04 104.22E–.06 14 3.7b 20 1-81
ISCJB III 07 06 09 28.8–.58 31.29N–.05 104.37E–.06 14 3.5b **¶12702619**
IDC III 07 06 09 29.2–.91 31.63N 104.66E 0 3.8,3.6L
BJI III 07 06 09 32.6 31.36N 104.00E 20 3.6L,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.7km az=23.6.
IDC Error ellipse: s-maj=50.2km s-min=17.3km az=62.0.
ISC III 07 06 53 49.3–.96 31.3N–.10 104.1E–.10 14 3.4b 7 0-81
ISCJB III 07 06 53 48.2–1.0 31.33N–.08 104.0E–.20 14 3.4b **¶12702622**
IDC III 07 06 53 48.2–1.4 31.53N 104.22E 0 3.5,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.0km s-min=8.5km az=17.5.
IDC Error ellipse: s-maj=86.2km s-min=26.1km az=54.0.
ISC III 07 08 22 49.3–.61 32.50N–.04 105.50E–.05 11 4.0b 26 2-80
ISCJB III 07 08 22 47.4–.43 32.45N–.03 105.50E–.06 11 3.7b **¶12702627**
IDC III 07 08 22 47.6–.77 32.42N 105.33E 0 3.9,3.9L
BJI III 07 08 22 49.8 32.60N 105.36E 19 3.8s,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=17.2.
IDC Error ellipse: s-maj=49.8km s-min=15.0km az=61.0.
ISC III 09 01 12 29.5–.83 31.35N–.04 103.94E–.06 14 3.3b 16 0-62
ISCJB III 09 01 12 27.3–.57 31.40N–.03 104.05E–.06 14 3.3b **¶12702770**
IDC III 09 01 12 27.7–1.1 31.19N 103.79E 0 3.5,3.3b
BJI III 09 01 12 31.2 31.35N 103.75E 18 3.4s,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.6km az=17.6.
IDC Error ellipse: s-maj=84.3km s-min=18.4km az=59.0.
ISC III 09 02 41 30.3–.40 32.21N–.03 105.07E–.04 15 4.3b 96 2-94
IDC III 09 02 41 27.9–.58 32.27N 105.03E 0 4.2,4.2 **¶13435804**
ISCJB III 09 02 41 28.4–.27 32.24N–.03 105.05E–.04 15 4.2b,3.0s
NEIC III 09 02 41 29.6–.28 32.26N 104.99E 10 4.6b,3.0s
BJI III 09 02 41 29.2 32.31N 104.91E 15 4.4b,4.1L
MOS III 09 02 41 30.8–.95 32.25N 105.08E 33 4.5b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=13.0km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.6km az=9.9.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.6km az=57.0.
MOS Error ellipse: s-maj=12.7km s-min=7.8km az=96.8.
ISC III 11 20 02 54.6–.74 32.28N–.04 104.44E–.06 15 3.6b 16 1-62
IDC III 11 20 02 52.5–1.1 31.89N 104.21E 0 3.5,3.4b **¶12703006**
BJI III 11 20 02 53.3 32.31N 104.64E 9 3.4L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=46.4km s-min=19.7km az=53.0.
ISC III 12 01 39 36.1–.92 28.68N–.05 103.59E–.08 10 3.7b 11 2-60
ISCJB III 12 01 39 30.7–.63 28.72N–.03 103.50E–.09 10 3.7b **¶12703039**
IDC III 12 01 39 32.6–1.1 28.69N 103.56E 0 3.8,3.7b
BJI III 12 01 39 35.5 28.71N 103.65E 14 3.8L,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.9km az=179.4.
IDC Error ellipse: s-maj=40.3km s-min=18.7km az=61.0.
ISC III 12 03 45 19.4–.38 32.20N–.03 105.14E–.04 14 4.1b 82 2-98
ISCJB III 12 03 45 17.2–.26 32.18N–.03 105.14E–.04 14 4.0b,3.4s **¶13436052**
IDC III 12 03 45 17.4–.65 32.24N 105.15E 0 4.0,3.9
NEIC III 12 03 45 18.8–.23 32.20N 105.05E 10 4.1b,3.9
BJI III 12 03 45 19.7 32.26N 104.91E 17 4.1L,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.7km az=152.8.
IDC Error ellipse: s-maj=26.4km s-min=13.6km az=52.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.6km az=63.0.
ISC III 12 08 25 39.5–.39 32.35N–.02 105.08E–.03 18–1 5.2b,3.8s 860 2-171
SZGRF III 12 08 25 34.3 31.55N 105.22E 33 5.4b,3.8s **¶15850288**
ISCJB III 12 08 25 36.6–.10 32.40N–.02 105.05E–.02 9 5.1b,3.9s
BJI III 12 08 25 37.8 32.42N 105.04E 16 4.9L,4.9b
NEIC III 12 08 25 38.0–.11 32.39N 105.10E 10 5.3b,4.9b
MOS III 12 08 25 39.6–.76 32.37N 105.13E 33 5.4b,4.9b
IDC III 12 08 25 40.9–4.2 32.39N 105.16E 29–29 4.8b,4.8
DJA III 12 08 25 43.7–1.2 32N–5.0 105E–8.0 49–13 5.5b,5.1
ISC Event type fe.
SZGRF Sichuan, China.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Chengdu. Also felt at Guangyuan, Mianyang and Qincheng.
ISC III 12 11 24 13.3–.45 32.46N–.03 105.06E–.04 15 4.3b 104 2-80
ISCJB III 12 11 24 11.2–.30 32.39N–.03 105.08E–.05 15 4.3b,4.1s **¶13436084**
BJI III 12 11 24 12.5 32.44N 105.06E 20 4.6b,4.1b

NEIC III 12 11 24 12.9–.38 32.49N 104.98E 10 4.3b,4.1b
MOS III 12 11 24 13.9–1.1 32.47N 105.08E 33 4.4b,4.1b
IDC III 12 11 24 15.4–6.6 32.49N 105.22E 33–50 4.1s,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.0km az=15.6.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.3km az=53.0.
MOS Error ellipse: s-maj=14.0km s-min=7.5km az=112.2.
IDC Error ellipse: s-maj=30.7km s-min=14.3km az=59.0.
ISC III 12 12 11 56.1–.61 28.73N–.04 105.10E–.06 19 3.9b 23 2-84
IDC III 12 12 11 52.8–1.1 28.61N 104.88E 0 3.9,3.7b ¶12703071
ISCJB III 12 12 11 55.6–.53 28.61N–.05 105.19E–.07 19 3.7b,3.7b
BJI III 12 12 11 55.4 28.74N 105.00E 20 3.7L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=43.9km s-min=18.3km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.6km az=33.7.
ISC III 12 17 49 07.5–.73 28.44N–.08 105.2E–.10 19 3.4b 14 2-59
IDC III 12 17 49 04.3–1.1 28.43N 105.19E 0 3.4L,3.4b ¶12703096
ISC Event type ke.
IDC Error ellipse: s-maj=49.8km s-min=20.2km az=69.0.
ISC III 16 07 40 31.1–.62 31.66N–.04 104.35E–.06 9 3.7b 20 1-81
ISCJB III 16 07 40 29.0–.49 31.68N–.04 104.42E–.05 9 3.6b ¶12703406
IDC III 16 07 40 29.1–1.1 31.75N 104.48E 0 4.3L,3.9
BJI III 16 07 40 31.9 31.70N 104.10E 11 3.7L,3.3s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=10.8.
IDC Error ellipse: s-maj=50.5km s-min=21.9km az=61.0.
ISC III 16 09 09 30.4–.65 32.47N–.04 105.44E–.04 11 3.7b 23 2-80
ISCJB III 16 09 09 28.5–.45 32.43N–.04 105.52E–.05 11 3.7b ¶12703412
IDC III 16 09 09 28.9–.94 32.41N 105.41E 0 3.9L,3.9
BJI III 16 09 09 31.4 32.50N 105.30E 17 3.9L,3.7s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.6km az=32.8.
IDC Error ellipse: s-maj=34.1km s-min=18.6km az=61.0.
IDC III 18 23 35 08.2–1.1 28.15N 104.89E 0 3.5,3.4L
¶12703622
IDC Error ellipse: s-maj=80.6km s-min=18.9km az=61.0.
IDC III 19 00 46 14.9–6.3 31.81N 104.78E 67–63 4.4L,3.4
¶12703627
IDC Error ellipse: s-maj=59.8km s-min=20.5km az=66.0.
ISC III 19 05 43 32.2–.49 32.15N–.03 105.10E–.03 18–1 4.6b,3.4s 319 2-151
ISCJB III 19 05 43 28.1–.78 32.24N–.02 105.11E–.03 3–5 4.6b,3.3s ¶12025768
IDC III 19 05 43 29.1–.47 32.20N 105.07E 0 4.5,4.4
NEIC III 19 05 43 31.8–.17 32.20N 105.09E 16 4.8b,4.4
BJI III 19 05 43 31.9 32.20N 104.90E 24 4.7b,4.5b
MOS III 19 05 43 32.4–.80 32.17N 105.12E 33 4.8b,4.5b
DJA III 19 05 43 35.3–.50 32N–4.0 105E–10 10 5.5b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC III 24 09 27 54.2–.74 31.74N–.04 104.05E–.07 15 3.5b 19 1-81
IDC III 24 09 27 51.8–.99 31.73N 104.10E 0 3.6,3.5 ¶12635454
BJI III 24 09 27 54.3 31.80N 104.10E 22 3.2L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=17.8km az=58.0.
ISC III 26 12 19 24.0–.86 32.46N–.05 105.29E–.06 11 3.3b 12 2-62
ISCJB III 26 12 19 21.8–.71 32.48N–.05 105.23E–.07 11 3.2b ¶12635638
IDC III 26 12 19 23.8–1.5 32.10N 104.41E 0 3.3,3.2
BJI III 26 12 19 23.3 32.55N 105.25E 18 3.4L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.8km az=38.0.
IDC Error ellipse: s-maj=92.5km s-min=26.4km az=59.0.
ISC III 31 10 15 14.8–.63 31.52N–.04 104.12E–.06 14 3.8b 26 1-81
IDC III 31 10 15 13.0–.85 31.57N 104.18E 0 3.8,3.7b ¶12605457
ISCJB III 31 10 15 13.0–.44 31.47N–.05 104.16E–.06 14 3.7b,2.6s
BJI III 31 10 15 14.3 31.53N 103.86E 20 4.2b,4.0s
MOS III 31 10 15 15.4–.81 31.52N 104.14E 33 4.2b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=16.6km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.5km az=35.1.
MOS Error ellipse: s-maj=25.4km s-min=12.9km az=95.6.
IDC IV 01 15 29 36.0–1.2 31.39N 104.20E 0 3.7,3.6b
¶16152230
IDC Error ellipse: s-maj=92.0km s-min=21.6km az=57.0.
ISC IV 02 19 50 42.1–.63 32.31N–.04 105.21E–.05 15 3.6b 20 2-80
ISCJB IV 02 19 50 41.0–.53 32.39N–.04 105.17E–.08 15 3.6b ¶12605883
IDC IV 02 19 50 41.1–.94 32.54N 105.20E 0 3.7,3.6b
BJI IV 02 19 50 43.5 32.40N 105.03E 21 3.7L,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.1km az=4.4.
IDC Error ellipse: s-maj=36.5km s-min=18.9km az=59.0.
BJI IV 05 03 03 04.3 29.40N 104.99E 14 3.3L,3.0
¶12606359
ISC IV 05 16 47 05.3–.31 31.82N–.03 104.19E–.04 15 4.6b,3.9s 261 1-148
IDC IV 05 16 47 02.5–.46 31.82N 104.23E 0 4.3,4.3 ¶13438000
DJA IV 05 16 47 03.9–.40 32N–4.0 104E–8.0 10 5.5b,5.0
BJI IV 05 16 47 03.9 31.86N 104.26E 9 4.6b,4.5s
ISCJB IV 05 16 47 03.4–.20 31.80N–.02 104.22E–.03 15 4.5b,3.8s
MOS IV 05 16 47 08.2–2.5 31.80N 104.30E 33 4.9b,4.0s
NEIC IV 05 16 47 08.2–.51 31.81N 104.30E 37–5 4.7b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=10.8km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.1km az=16.6.
MOS Error ellipse: s-maj=8.9km s-min=4.8km az=107.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.5km az=76.0.
ISC IV 08 05 33 13.5–.72 32.31N–.05 105.27E–.05 15 3.6b 20 2-80
IDC IV 08 05 33 10.9–3.8 32.22N 105.25E 0 3.8,3.7 ¶13438158
ISCJB IV 08 05 33 12.3–.64 32.30N–.05 105.23E–.07 15 3.6b,3.7
BJI IV 08 05 33 14.7 32.42N 105.02E 19 3.4L,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=91.5km s-min=46.3km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.3km az=39.2.
ISC IV 08 14 47 40.5–.70 31.35N–.04 103.54E–.07 13 3.5b 26 0-82
ISCJB IV 08 14 47 38.8–.57 31.49N–.04 103.71E–.10 13 3.6s,3.4b ¶12606916
IDC IV 08 14 47 38.7–.91 31.39N 103.66E 0 4.3L,3.7
BJI IV 08 14 47 39.8 31.50N 103.56E 13 3.5L,3.3s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=5.7km az=172.6.
IDC Error ellipse: s-maj=34.8km s-min=17.4km az=60.0.
ISC IV 09 10 56 16.3–1.0 31.12N–.06 103.54E–.10 16 3.3b 13 0-82
IDC IV 09 10 56 13.4–1.1 31.08N 103.68E 0 3.5,3.4 ¶12607045
BJI IV 09 10 56 15.9 31.29N 103.58E 20 3.5L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=20.1km az=59.0.
IDC IV 12 04 35 58.7–1.3 28.97N 102.32E 0 3.5,3.4b
¶16152690
IDC Error ellipse: s-maj=218.7km s-min=21.0km az=58.0.
ISC IV 12 07 06 08.8–.75 31.24N–.05 104.14E–.06 14 3.6b 16 0-82
ISCJB IV 12 07 06 07.7–.67 31.34N–.05 103.94E–.08 14 3.5b ¶12607560
IDC IV 12 07 06 07.4–1.1 31.61N 104.47E 0 3.8,3.8L
BJI IV 12 07 06 09.0 31.32N 103.99E 22 3.6L,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.8km az=21.2.
IDC Error ellipse: s-maj=56.7km s-min=21.1km az=64.0.
ISC IV 15 01 41 08.8–.73 31.27N–.04 103.74E–.07 13 3.3b 18 0-82
BJI IV 15 01 41 06.7 31.24N 103.61E 5 3.6L ¶12609730
ISCJB IV 15 01 41 08.0–.62 31.22N–.04 103.76E–.08 13 3.1b
IDC IV 15 01 41 09.7–1.9 31.57N 103.91E 0 3.5L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.2km az=177.3.
IDC Error ellipse: s-maj=38.4km s-min=30.4km az=19.0.
IDC IV 16 21 12 15.5–1.6 32.27N 104.42E 0 3.6,3.5b
¶12610097
IDC Error ellipse: s-maj=78.8km s-min=27.6km az=54.0.
ISC IV 16 22 52 20.9–.61 32.39N–.04 105.32E–.05 11 3.7b 23 2-80
ISCJB IV 16 22 52 18.5–.49 32.45N–.04 105.37E–.07 11 3.7b ¶12607799
IDC IV 16 22 52 18.5–.86 32.30N 105.18E 0 3.8,3.7b
BJI IV 16 22 52 21.9 32.54N 105.24E 10 3.7L,3.4s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.6km az=25.5.
IDC Error ellipse: s-maj=36.6km s-min=16.7km az=55.0.
ISC IV 20 21 07 52.6–.75 32.06N–.06 104.68E–.06 15 3.6b 15 1-81
ISCJB IV 20 21 07 50.6–.66 31.99N–.07 104.67E–.09 15 3.8b ¶12668598
IDC IV 20 21 07 51.0–1.1 32.12N 104.92E 0 3.6,3.4
BJI IV 20 21 07 53.3 32.02N 104.51E 21 3.5L,3.3s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=5.7km az=41.3.
IDC Error ellipse: s-maj=73.6km s-min=20.8km az=60.0.
ISC IV 21 17 40 48.6–.66 31.52N–.05 104.18E–.07 14 3.7b 17 1-62
ISCJB IV 21 17 40 46.6–.58 31.41N–.04 104.37E–.08 14 3.7b ¶12638919
IDC IV 21 17 40 47.4–1.1 31.59N 104.15E 0 3.7,3.7
BJI IV 21 17 40 48.8 31.63N 104.07E 10 3.9s,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.3km az=21.1.
IDC Error ellipse: s-maj=35.6km s-min=20.3km az=57.0.
IDC IV 23 07 15 40.7–.96 30.44N 108.55E 0 4.0,3.9L
¶16153295
IDC Error ellipse: s-maj=47.6km s-min=19.9km az=60.0.
ISC IV 24 08 04 41.1–.95 32.40N–.05 105.12E–.10 15 3.7b 10 2-68
IDC IV 24 08 04 38.2–1.3 31.91N 104.48E 0 3.7,3.4 ¶12692505
BJI IV 24 08 04 39.6 32.54N 105.42E 18 3.8L,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=58.2km s-min=22.8km az=68.0.
ISC IV 24 12 23 33.0–.80 31.26N–.05 103.98E–.07 14 3.5b 14 0-82
ISCJB IV 24 12 23 31.7–.57 31.24N–.06 104.0E–.10 14 3.6b ¶12692511
IDC IV 24 12 23 31.4–.93 31.23N 103.92E 0 3.8,3.6L
BJI IV 24 12 23 35.4 31.28N 103.76E 21 3.5L,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.2km az=24.9.
IDC Error ellipse: s-maj=34.1km s-min=17.5km az=62.0.
ISC IV 24 13 44 24.6–.76 32.46N–.05 105.31E–.05 15 3.7b 15 2-62
ISCJB IV 24 13 44 23.5–.70 32.55N–.07 105.3E–.10 15 3.6b ¶12692515
IDC IV 24 13 44 23.2–1.2 32.32N 104.87E 0 3.6,3.4
BJI IV 24 13 44 25.2 32.60N 105.24E 9 3.5s,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=7.3km az=33.1.
IDC Error ellipse: s-maj=89.2km s-min=22.1km az=55.0.
IDC IV 27 16 27 59.7–1.5 28.41N 104.03E 0 3.3,3.2L
¶12742332
IDC Error ellipse: s-maj=61.8km s-min=27.3km az=58.0.
ISC IV 30 18 17 30.7–.52 31.66N–.04 104.32E–.05 14 3.9b 31 1-81
ISCJB IV 30 18 17 29.0–.39 31.61N–.03 104.38E–.05 14 3.8b,2.6s ¶12750014
IDC IV 30 18 17 28.4–.73 31.72N 104.37E 0 3.8,3.7
BJI IV 30 18 17 33.1 31.69N 104.11E 23 4.1b,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.3km az=16.0.
IDC Error ellipse: s-maj=30.7km s-min=15.2km az=56.0.
ISC IV 30 22 46 55.4–.87 32.20N–.03 104.95E–.03 28–6 4.5b,3.1s 261 2-94
ISCJB IV 30 22 46 51.7–1.0 32.19N–.02 104.93E–.03 14–6 4.4b,3.2s ¶12750045
IDC IV 30 22 46 51.1–.46 32.22N 104.98E 0 4.3,4.3b
BJI IV 30 22 46 54.0 32.26N 104.85E 19 4.4b,4.4b
MOS IV 30 22 46 54.3–.76 32.19N 104.98E 33 4.8b,4.4b
NEIC IV 30 22 46 55.1–1.2 32.21N 104.92E 24–9 4.3b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.0km az=20.3.
IDC Error ellipse: s-maj=14.6km s-min=10.7km az=41.0.
MOS Error ellipse: s-maj=8.7km s-min=5.1km az=110.4.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.9km az=76.0.
ISC V 07 14 52 23.8–.47 32.41N–.04 105.38E–.04 11 3.9b 47 2-95
IDC V 07 14 52 22.5–.64 32.47N 105.30E 0 4.0,3.9 ¶13678507
ISCJB V 07 14 52 22.1–.34 32.45N–.04 105.47E–.04 11 3.9s,3.9b
BJI V 07 14 52 25.9 32.49N 105.18E 21 4.1L,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=13.5km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=151.9.
ISC V 09 16 18 21.2–.51 28.70N–.03 100.52E–.03 28–3 4.3b,3.4s 173 4-91
BJI V 09 16 18 15.4 28.66N 100.59E 6 4.5b,4.4b ¶12788691
IDC V 09 16 18 15.8–.60 28.60N 100.59E 0 4.1,4.1b
ISCJB V 09 16 18 17.4–1.4 28.65N–.04 100.53E–.03 17–11 4.2b,3.5s
MOS V 09 16 18 19.4–1.4 28.58N 100.61E 33 4.4b,3.5s
NEIC V 09 16 18 21.7–.27 28.70N 100.55E 35 4.4b,3.5s
DJA V 09 16 18 24.9–1.1 29N–6.0 101E–9.0 75–13 4.3,4.3b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC V 11 04 20 00.8–.59 32.56N–.04 105.30E–.05 11 3.7b 27 2-80
IDC V 11 04 19 58.8–.88 32.57N 105.41E 0 3.7,3.6 ¶13678726
ISCJB V 11 04 19 58.7–.45 32.54N–.04 105.37E–.06 11 3.8b,2.5s
BJI V 11 04 20 00.9 32.56N 105.26E 5 4.1b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=48.2km s-min=17.5km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=8.6.
ISC V 12 06 44 31.1–1.5 29.6N–.10 103.6E–.30 10 3.7b 7 1-71
IDC V 12 06 44 28.8–1.1 29.43N 103.44E 0 3.7,3.6 ¶13678798
ISCJB V 12 06 44 28.7–.94 29.56N–.06 103.7E–.20 10 3.5b,3.6
BJI V 12 06 44 32.1 29.70N 103.61E 10 3.4L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=81.9km s-min=19.2km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=29.4km s-min=8.9km az=177.3.
ISC V 12 09 49 49.9–.65 31.89N–.04 104.32E–.07 15 3.7b 20 1-62
IDC V 12 09 49 48.2–.96 31.86N 104.31E 0 3.8,3.8L ¶13678804
ISCJB V 12 09 49 48.5–.54 31.87N–.04 104.38E–.08 15 3.7b,3.8L
BJI V 12 09 49 49.5 31.94N 104.28E 9 3.6L,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=36.4km s-min=17.2km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.9km az=13.5.
ISC V 14 15 49 32.1–1.2 32.21N–.03 104.85E–.03 19–7 4.6b,3.7s 259 2-94
IDC V 14 15 49 29.0–.51 32.30N 104.88E 0 4.4,4.4 ¶13439589
BJI V 14 15 49 28.1 32.33N 104.76E 10 4.7b,4.6b
ISCJB V 14 15 49 29.6–1.1 32.27N–.03 104.90E–.03 16–8 4.5b,3.7s
MOS V 14 15 49 32.1–.84 32.25N 104.96E 33 4.9b,3.7s
NEIC V 14 15 49 34.3–.48 32.29N 104.91E 36–5 4.5b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=153.9.
MOS Error ellipse: s-maj=7.5km s-min=4.8km az=103.7.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.8km az=185.0.
ISC V 15 16 49 35.3–.71 31.61N–.05 104.39E–.06 9 3.9b 20 1-81
ISCJB V 15 16 49 33.3–.52 31.65N–.05 104.52E–.07 9 3.7b ¶13679006
IDC V 15 16 49 33.6–.96 31.68N 104.32E 0 4.0,3.8
BJI V 15 16 49 35.0 31.73N 104.23E 17 3.6L,3.2s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.1km az=37.8.
IDC Error ellipse: s-maj=36.4km s-min=17.5km az=60.0.
ISC V 19 12 59 32.3–.48 31.25N–.04 103.41E–.05 13 4.2b 53 0-82
ISCJB V 19 12 59 29.8–.32 31.31N–.03 103.41E–.04 13 4.1b ¶13679237
IDC V 19 12 59 29.8–.79 31.29N 103.71E 0 4.1,4.0
BJI V 19 12 59 31.0 31.30N 103.41E 18 4.5b,3.9L
MOS V 19 12 59 33.3–1.1 31.38N 103.71E 33 4.4b,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=155.1.
IDC Error ellipse: s-maj=29.6km s-min=14.9km az=48.0.
MOS Error ellipse: s-maj=19.8km s-min=9.7km az=106.9.

IDC V 19 21 47 27.5–1.4 28.47N 101.39E 0 3.4,3.2
¶16155921

IDC Error ellipse: s-maj=83.3km s-min=23.9km az=60.0.
IDC V 20 20 25 20.3–1.2 30.86N 102.98E 0 3.5,3.5b
¶16155966

IDC Error ellipse: s-maj=85.1km s-min=21.2km az=58.0.
ISC V 21 17 15 23.4–.60 29.26N–.04 104.95E–.06 10 3.7b,3.1s 26 2-70
ISCJB V 21 17 15 21.7–.43 29.22N–.04 105.02E–.06 10 3.7b,3.1s **¶13679382**
IDC V 21 17 15 22.1–.73 29.24N 104.94E 0 3.8,3.7
BJI V 21 17 15 23.5 29.37N 105.01E 10 3.9s,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.3km az=153.6.
IDC Error ellipse: s-maj=74.9km s-min=14.7km az=58.0.
ISC V 23 05 12 45.7–.80 32.43N–.05 105.17E–.06 15 3.3b 14 2-80
ISCJB V 23 05 12 43.5–.68 32.40N–.05 105.31E–.08 15 3.3b **¶13679451**
BJI V 23 05 12 43.9 32.51N 105.08E 8 3.5s,3.4
IDC V 23 05 12 43.2–1.4 32.37N 105.15E 0 3.6,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.4km az=32.7.
IDC Error ellipse: s-maj=76.1km s-min=26.6km az=52.0.
IDC V 26 10 27 00.3–1.1 32.08N 104.45E 0 3.5,3.5L
¶16156179

IDC Error ellipse: s-maj=41.0km s-min=19.6km az=56.0.
IDC V 31 04 08 29.9–1.0 31.68N 103.93E 0 3.6,3.5
¶13193381

IDC Error ellipse: s-maj=88.5km s-min=18.0km az=58.0.
BJI VI 02 06 01 36.0 31.22N 103.64E 16 3.6L
¶13193705

ISC VI 02 19 31 35.4–.65 31.19N–.04 103.58E–.06 16 3.7b 27 0-70
IDC VI 02 19 31 33.0–.88 31.27N 103.53E 0 3.8,3.7 **¶13193820**
ISCJB VI 02 19 31 34.2–.48 31.32N–.04 103.44E–.06 16 3.7b,2.9s
BJI VI 02 19 31 35.0 31.27N 103.23E 7 3.9b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=16.7km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.2km az=167.7.
IDC VI 03 13 16 11.7–1.1 32.25N 105.23E 0 3.6,3.6L
¶13194833

IDC Error ellipse: s-maj=62.4km s-min=19.1km az=61.0.
ISC VI 09 20 10 23.7–.54 32.18N–.04 104.68E–.05 15 3.9b 31 1-81
ISCJB VI 09 20 10 21.7–.44 32.08N–.04 104.81E–.06 15 3.9b,3.0s **¶13195926**
IDC VI 09 20 10 21.7–.86 32.12N 104.72E 0 3.8,3.7
BJI VI 09 20 10 22.2 32.10N 104.51E 10 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.3km az=34.3.
IDC Error ellipse: s-maj=41.8km s-min=16.5km az=59.0.
IDC VI 10 14 18 57.4–1.4 29.45N 102.88E 0 3.6,3.6L
¶13196032

IDC Error ellipse: s-maj=42.9km s-min=24.2km az=63.0.
IDC VI 10 15 38 05.1–4.4 28.30N 105.14E 60–47 3.4,3.4L
¶13196040

IDC Error ellipse: s-maj=34.2km s-min=20.3km az=78.0.
ISC VI 11 05 37 49.6–.80 31.50N–.05 104.33E–.06 9 3.6b 20 1-62
IDC VI 11 05 37 47.9–1.0 31.55N 104.34E 0 3.8,3.7 **¶13196166**
BJI VI 11 05 37 49.1 31.74N 104.21E 10 3.7L,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=18.2km az=56.0.
ISC VI 11 07 39 27.5–.71 32.25N–.05 105.17E–.06 15 3.5b 18 2-80
IDC VI 11 07 39 24.7–1.1 32.38N 105.39E 0 3.8,3.6 **¶13196180**
ISCJB VI 11 07 39 25.4–.64 32.25N–.05 105.26E–.08 15 3.5b,3.6
BJI VI 11 07 39 27.2 32.32N 105.02E 17 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=69.3km s-min=21.4km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.1km az=23.0.
ISC VI 14 16 43 26.5–.94 32.25N–.06 104.76E–.06 15 3.5b 13 4-62
ISCJB VI 14 16 43 24.9–.69 32.25N–.05 104.71E–.06 15 3.3b **¶13196807**
IDC VI 14 16 43 24.6–1.0 32.18N 104.66E 0 3.7L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=7.1km az=13.2.
IDC Error ellipse: s-maj=39.0km s-min=18.9km az=56.0.
ISC VI 16 00 01 09.7–.50 32.22N–.04 104.92E–.05 14 4.1b 40 2-73
ISCJB VI 16 00 01 07.8–.38 32.25N–.03 105.01E–.05 14 4.0b,3.6s **¶13681459**
IDC VI 16 00 01 07.2–.71 32.18N 104.80E 0 4.2L,4.1
BJI VI 16 00 01 10.0 32.32N 104.94E 5 4.1b,3.9s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=21.0.
IDC Error ellipse: s-maj=36.3km s-min=13.9km az=54.0.
IDC VI 17 14 40 56.9–1.1 31.69N 104.38E 0 3.6,3.5
¶13197356

IDC Error ellipse: s-maj=37.4km s-min=20.0km az=64.0.
IDC VI 19 16 15 19.4–1.2 27.19N 101.53E 0 3.5,3.4
¶13207142

IDC Error ellipse: s-maj=40.6km s-min=21.5km az=71.0.
IDC VI 22 13 02 11.5–14 32.70N 104.51E 0 4.0L,3.6
¶13278896

IDC Error ellipse: s-maj=314.1km s-min=80.9km az=143.0.
IDC VI 23 01 02 04.6–2.6 31.75N 100.13E 0 4.5L,4.0
¶16101630

IDC Error ellipse: s-maj=101.2km s-min=58.2km az=77.0.
ISC VI 26 11 53 30.7–.73 31.75N–.05 104.68E–.06 10 3.3b 15 1-62
ISCJB VI 26 11 53 27.6–.64 31.92N–.07 104.61E–.08 10 3.2b **¶13367112**
BJI VI 26 11 53 31.9 31.85N 104.33E 16 3.2L,3.0s
IDC VI 26 11 53 31.4–1.2 31.64N 104.91E 0 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=4.2km az=44.8.
IDC Error ellipse: s-maj=44.1km s-min=22.0km az=55.0.
ISC VI 28 06 04 22.9–.63 32.46N–.03 104.90E–.05 15 3.7b 22 2-62
IDC VI 28 06 04 21.2–.95 32.40N 105.21E 0 3.7,3.7L **¶13367391**
BJI VI 28 06 04 23.7 32.38N 105.06E 5 3.4L,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=18.0km az=56.0.
ISC VI 29 03 04 23.7–.58 31.49N–.04 104.21E–.05 14 4.0b 25 1-81
ISCJB VI 29 03 04 22.0–.44 31.51N–.04 104.14E–.07 14 3.8b **¶13367530**
IDC VI 29 03 04 21.8–.79 31.57N 104.18E 0 4.0,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.2km az=13.1.
IDC Error ellipse: s-maj=29.8km s-min=16.2km az=60.0.
ISC VI 29 03 57 11.5–1.0 31.37N–.07 102.77E–.07 10 3.6b 14 1-59
IDC VI 29 03 57 10.2–1.2 31.38N 102.60E 0 3.8,3.7 **¶13367532**
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=20.7km az=45.0.
ISC VI 29 18 03 52.9–.34 31.40N–.02 104.05E–.03 23–2 5.3b,5.0s 943 1-170
BGS VI 29 18 03 44.3–2.0 30.84N 105.12E 10 5.3s,4.9b **¶13307342**
ISCJB VI 29 18 03 48.5–.61 31.46N–.02 103.99E–.02 5–3 5.2b,5.0s
NEIC VI 29 18 03 50.8–.11 31.43N 104.01E 10 5.3b,5.2W
BJI VI 29 18 03 51.5 31.46N 103.96E 24 5.5s,5.4L
IDC VI 29 18 03 52.0–1.7 31.39N 104.03E 18–10 5.0,4.9
MOS VI 29 18 03 52.4–.83 31.41N 104.07E 33 5.4b,4.9s
DJA VI 29 18 03 54.3–2.0 31N–6.0 104E–5.0 16–14 5.8b,5.5b
GCMT VI 29 18 03 54.8–.10 31.31N 104.15E 12 5.3W,5.5b
SZGRF VI 29 18 03 56.7 31.92N 103.82E 28 5.4b,4.9s
ISC Event type fe.
BGS Error ellipse: s-maj=896.2km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.4km az=20.6.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.5km az=210.0. Felt [V] at Mianyang and [III] at Chengdu, Deyang and Hanzhong. Also felt at Chongqing, Nanchong, Ya'an and Yancheng. Moment Tensor Solution. s52 Moment tensor: Scale 10^{16}Nm; M_{rr}2.62 $M_{\theta\theta}$-1.35 $M_{\phi\phi}$-1.27 $M_{r\theta}$5.59 $M_{\theta\phi}$-3.80 $M_{\phi r}$2.32 Best double couple: NP1:ϕ_s69.00000°,δ77.00000° ,λ111.00000°. NP2:ϕ_s190.00000°,δ25.00000°,λ33.00000°. Principal axes: T 6.5800,Plg53.0000°,Azm4.0000°; N 1.5800,Plg20.0000°,Azm243.0000° ; P -8.1600,Plg28.0000°,Azm141.0000° $M_0$7.50000×10^{16}
IDC Error ellipse: s-maj=9.5km s-min=7.5km az=21.0.
MOS Error ellipse: s-maj=5.8km s-min=3.3km az=121.1.
GCMT Event type se. Data Used: ll lU G CN IC. Moment Tensor Solution. s66,c109; s84,c167; Moment tensor: Scale 10^{16}Nm; M_{rr}6.49±.13 $M_{\theta\theta}$-4.53±.12; $M_{\phi\phi}$-1.96±.12; $M_{r\theta}$6.39±.33; $M_{\theta\phi}$-4.54±.10; $M_{\phi r}$1.17±.37; Best double couple: NP1:ϕ_s212.00000°,δ29.00000°,λ54.00000°. NP2:ϕ_s71.00000°,δ67.00000°,λ108.00000°. Principal axes: T 9.5000,Plg64.0000° ,Azm11.0000°; N 0.6000,Plg16.0000°,Azm244.0000°; P -10.1000,Plg20.0000° ,Azm148.0000° $M_0$9.80000×10^{16}
SZGRF Sichuan, China.
ISC VI 29 18 53 39.8–.68 31.45N–.05 104.22E–.06 14 3.9b 20 1-69
ISCJB VI 29 18 53 37.7–.51 31.42N–.06 104.28E–.08 14 3.8b,3.8s **¶13367651**
IDC VI 29 18 53 37.9–.88 31.51N 104.32E 0 3.8,3.8b
BJI VI 29 18 53 40.4 31.47N 103.97E 22 3.9b,3.5s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=5.6km az=40.3.
IDC Error ellipse: s-maj=32.0km s-min=16.6km az=59.0.
ISC VI 29 19 51 01.6–.50 31.41N–.04 104.21E–.05 14 4.1b 66 1-81
IDC VI 29 19 50 59.8–.78 31.49N 104.14E 0 4.1,4.0 **¶13383599**
ISCJB VI 29 19 51 00.1–.31 31.43N–.03 104.14E–.05 14 4.1b,3.0s
BJI VI 29 19 51 01.5 31.46N 103.97E 15 4.5b,4.2b
NEIC VI 29 19 51 01.5–.35 31.52N 104.15E 10 4.7b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=15.4km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.2km az=12.3.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.0km az=51.0.
ISC VI 30 05 40 26.0–.35 31.44N–.03 104.11E–.04 14 4.6b,3.5s 175 1-114
IDC VI 30 05 40 23.5–.56 31.45N 104.10E 0 4.5,4.4 **¶13367734**
ISCJB VI 30 05 40 24.0–.20 31.45N–.02 104.14E–.04 14 4.5b,3.6s
BJI VI 30 05 40 24.8 31.48N 103.98E 10 4.6b,4.6b
NEIC VI 30 05 40 25.2–.21 31.46N 104.11E 10 4.9b,4.6b
MOS VI 30 05 40 26.7–.72 31.43N 104.11E 33 4.8b,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=18.2km s-min=12.1km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.1km az=176.1.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.8km az=82.0. Felt at Chengdu and Deyang.
MOS Error ellipse: s-maj=10.6km s-min=5.7km az=107.1.
ISC VI 30 06 16 53.7–.76 31.34N–.04 104.14E–.06 10 3.7b 16 1-59
ISCJB VI 30 06 16 51.6–.61 31.32N–.04 104.39E–.05 10 3.6b **¶13367742**
IDC VI 30 06 16 52.8–1.3 32.05N 105.19E 0 3.7,3.7b
BJI VI 30 06 16 53.9 31.46N 103.98E 10 3.5s,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.4km az=29.2.
IDC Error ellipse: s-maj=88.9km s-min=22.4km az=57.0.
ISC VI 30 07 22 21.7–.40 31.43N–.03 104.18E–.03 16–2 4.9b,4.2s 428 1-148
IDC VI 30 07 22 19.2–.40 31.44N 104.12E 0 4.7,4.7 **¶13307374**
ISCJB VI 30 07 22 20.9–.78 31.44N–.02 104.06E–.02 22–5 4.8b,4.2s
BJI VI 30 07 22 20.8 31.46N 103.98E 24 5.1L,5.0s
NEIC VI 30 07 22 21.0–.16 31.50N 104.09E 10 5.0b,5.0s
MOS VI 30 07 22 22.4–.80 31.45N 104.14E 33 5.1b,4.1s
GCMT VI 30 07 22 23.9–.30 31.37N 104.20E 20–0 4.9W,4.1s
DJA VI 30 07 22 27.9–1.2 31N–5.0 104E–11 66–15 4.9b,4.7
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Mianyang and [II] at Chengdu. Also felt at Deyang.
GCMT Event type se. Data Used: ll lU G CN IC. Moment Tensor Solution. s23,c27; s62,c102; Moment tensor: Scale 10^{16}Nm; M_{rr}3.07±.18 $M_{\theta\theta}$-0.78±.10; $M_{\phi\phi}$-2.29±.12; $M_{r\theta}$0.44±.19; $M_{\theta\phi}$-1.30±.06; $M_{\phi r}$0.27±.18; Best double couple: NP1:ϕ_s206.00000°,δ41.00000°,λ83.00000°. NP2:ϕ_s34.00000°,δ49.00000°,λ96.00000°. Principal axes: T 3.1200,Plg84.0000° ,Azm346.0000°; N -0.0500,Plg4.0000°,Azm211.0000°; P -3.0700,Plg4.0000°,Azm120.0000° $M_0$3.10000×10^{16}

(308) Northern India.

ISC III 18 11 23 45.7–1.5 30.87N–.05 78.19E–.05 11–11 3.4b 24 1-86
IDC III 18 11 23 41.4–1.2 30.90N 78.11E 0 3.6,3.5b **¶12703580**
ISCJB III 18 11 23 42.9–1.3 30.95N–.04 78.43E–.06 16–10 3.4b,3.5b
NDI III 18 11 23 47.3–5.4 30.86N 78.11E 10 3.4L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=22.4km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.3km az=171.4.
NDI Error ellipse: s-maj=11.9km s-min=15.6km az=-1.0.
NDI V 04 19 43 16.7–.95 28.70N 76.46E 10 2.6L
¶14761416

NDI Error ellipse: s-maj=1.8km s-min=4.4km az=-1.0.
ISC VI 17 12 07 31.4–1.3 29.58N–.04 77.83E–.04 10–11 41 1-12
NDI VI 17 12 07 31.9–3.0 29.59N 77.77E 10 3.7L **¶13469991**
DMN VI 17 12 07 33.5–.51 29.05N 77.57E 10 4.7L
ISC Event type ke.
NDI Error ellipse: s-maj=4.7km s-min=9.2km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=64.7km s-min=9.4km az=9.0.

(309) Nepal-India border region.

IDC I 18 10 13 24.5–15 28.98N 80.73E 0 3.3b,3.3
¶12081634

IDC Error ellipse: s-maj=260.4km s-min=67.1km az=33.0.
ISC I 23 12 27 17.9–1.8 28.75N–.06 81.58E–.06 31–13 4.1b 45 1-122
NDI I 23 12 27 16.7–3.1 28.70N 81.56E 10 4.2L **¶12082121**
ISCJB I 23 12 27 17.5–.92 28.72N–.05 81.52E–.05 45–9 4.0b
IDC I 23 12 27 18.4–8.3 28.80N 81.62E 33–63 4.0L,4.0
ISC Event type ke.
NDI Error ellipse: s-maj=8.6km s-min=8.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.0km az=28.1.
IDC Error ellipse: s-maj=25.1km s-min=14.7km az=47.0.
ISC II 14 16 27 57.6–1.5 29.97N–.04 80.33E–.06 10–9 3.3b 25 0-74
IDC II 14 16 27 55.3–1.2 29.84N 80.26E 0 3.6,3.5 **¶12700680**
NDI II 14 16 28 05.3–2.8 29.88N 80.04E 10 3.4L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=24.6km az=68.0.
NDI Error ellipse: s-maj=10.1km s-min=15.9km az=-1.0.

(310) Nepal.

ISC III 08 14 38 01.9–1.0 27.50N–.07 87.62E–.04 23–8 3.1b 31 0-68
IDC III 08 14 37 58.4–3.0 27.45N 87.64E 0 3.1b,3.1 **¶12054541**
ISCJB III 08 14 37 59.1–.79 27.60N–.05 87.61E–.03 6–5 3.0b,3.1
DMN III 08 14 38 01.7–.40 27.41N 87.80E 30 4.6L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=104.3km s-min=26.9km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.8km az=10.2.
DMN Event type ke. Error ellipse: s-maj=9.5km s-min=5.5km az=50.0.
ISC III 24 01 57 59.6–1.2 28.0N–.20 87.7E–.20 10 3.3b 8 1-80
IDC III 24 01 57 58.0–1.1 27.96N 87.70E 0 3.4b,3.4 **¶12635438**
ISCJB III 24 01 57 58.3–.00 28.0N–.10 87.5E–.10 10 3.4b,3.4
ISC Event type ke.
ISCJB Event type ke.
IDC IV 13 14 49 13.0–1.3 28.17N 84.48E 0 3.8,3.7
¶16152764

IDC Error ellipse: s-maj=64.9km s-min=18.9km az=60.0.
ISC V 13 06 52 48.2–1.3 28.22N–.05 84.76E–.03 2–10 3.6b 31 1-78
DMN V 13 06 52 48.9–.12 28.20N 84.72E 10 4.6L **¶13439547**
IDC V 13 06 52 49.1–1.9 28.25N 84.23E 0 4.0L,3.8
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=3.9km s-min=1.1km az=14.0.
IDC Error ellipse: s-maj=46.6km s-min=33.6km az=89.0.
ISC V 14 19 18 16.3–1.1 27.49N–.05 87.31E–.03 18–7 3.7b 42 0-80
IDC V 14 19 18 12.7–.79 27.40N 87.20E 0 3.8,3.8 **¶13065836**
DMN V 14 19 18 16.8–.18 27.48N 87.36E 2 4.7L,3.8
NDI V 14 19 18 17.8–2.5 27.26N 87.17E 10 3.8L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=16.1km az=50.0.
DMN Event type ke. Error ellipse: s-maj=5.2km s-min=2.7km az=29.0.
NDI Error ellipse: s-maj=20.9km s-min=9.8km az=-1.0.
ISC V 14 20 13 16.5–1.8 27.7N–.20 87.5E–.20 21 3.4b 8 1-68

IDC V 14 20 13 11.7–2.3 27.49N 87.31E 0 3.5,3.4 ¶16155750
ISCJB V 14 20 13 14.6–1.8 27.7N–.20 87.4E–.20 21 3.3b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC V 18 23 03 52.2–1.0 27.98N–.07 87.95E–.05 56–13 3.9b 41 1-68
IDC V 18 23 03 51.4–4.2 27.85N 87.86E 48–42 3.8,3.7b ¶13065870
DMN V 18 23 03 52.6–.34 28.00N 87.98E 50 4.6L,3.7b
NDI V 18 23 03 53.3–2.5 27.53N 87.97E 10 4.0L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=42.1km s-min=14.7km az=55.0.
DMN Event type ke. Error ellipse: s-maj=7.5km s-min=3.6km az=52.0.
NDI Error ellipse: s-maj=12.7km s-min=5.4km az=-1.0.

(311) Sikkim.

IDC I 26 06 57 17.6–1.6 27.08N 88.47E 0 3.6,3.4b
¶12082358
IDC Error ellipse: s-maj=71.5km s-min=20.3km az=64.0.

(313) Eastern Xizang-India border region.

IDC I 03 02 24 28.7–3.8 29.95N 94.08E 0 3.6,3.5b
¶12079867
IDC Error ellipse: s-maj=83.7km s-min=42.8km az=128.0.
ISC I 07 10 27 06.6–.36 27.75N–.04 92.79E–.04 17 4.4b,3.6s 183 2-153
BJI I 07 10 27 04.0 27.70N 93.20E 10 4.4b,4.4b ¶13404652
ISCJB I 07 10 27 04.4–.28 27.66N–.04 92.80E–.03 17 4.4b,3.4s
DMN I 07 10 27 06.5–.71 28.08N 93.01E 10 4.9L,3.4s
NEIC I 07 10 27 06.7–.21 27.69N 92.76E 20 4.7b,3.4s
IDC I 07 10 27 06.5–.62 27.66N 92.69E 20–3 4.7L,4.3
MOS I 07 10 27 06.4–.97 27.65N 92.80E 32 4.5b,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=174.5.
DMN Event type ke. Error ellipse: s-maj=40.0km s-min=12.9km az=179.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.0km az=60.0.
IDC Error ellipse: s-maj=22.1km s-min=11.7km az=58.0.
MOS Error ellipse: s-maj=13.0km s-min=7.1km az=117.3.
BJI I 27 22 44 28.2 29.78N 95.65E 12 3.4L
IDC I 27 22 44 34.8–22 30.88N 95.35E 0 3.4b,3.3 ¶12082519
IDC Error ellipse: s-maj=337.3km s-min=63.3km az=174.0.
ISC II 27 17 43 09.4–.70 27.37N–.05 92.3E–.10 15 3.7b 16 2-77
IDC II 27 17 43 07.0–1.2 27.32N 92.30E 0 3.8,3.6 ¶15957467
ISCJB II 27 17 43 07.9–.60 27.49N–.05 92.4E–.10 15 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC III 02 09 27 54.9–2.2 28.3N–.20 93.9E–.40 10 3.9b 7 3-86
IDC III 02 09 27 50.5–.95 27.97N 93.94E 0 3.8,3.7 ¶12702250
ISC Event type ke.
IDC Error ellipse: s-maj=43.6km s-min=18.3km az=59.0.
ISC III 10 10 18 11.4–1.1 27.81N–.07 92.1E–.20 10 3.8b 8 2-65
IDC III 10 10 18 10.2–3.8 27.97N 93.12E 0 3.5,3.3 ¶12702864
ISC Event type ke.
IDC Error ellipse: s-maj=363.8km s-min=22.2km az=60.0.
ISC IV 06 17 57 15.1–1.9 27.64N–.04 92.68E–.06 11–13 3.4b 37 2-77
IDC IV 06 17 57 14.4–1.3 27.76N 93.03E 0 3.5,3.4 ¶12606652
DMN IV 06 17 57 14.1–.47 27.74N 93.03E 10 4.6L,3.4
BJI IV 06 17 57 17.0 27.43N 92.85E 5 3.3L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=54.8km s-min=17.0km az=65.0.
DMN Event type ke. Error ellipse: s-maj=31.9km s-min=8.0km az=4.0.
IDC IV 06 20 10 58.8–1.1 28.88N 92.30E 0 3.8,3.7b
¶16152475
IDC Error ellipse: s-maj=45.2km s-min=15.8km az=60.0.
ISC IV 15 15 32 45.3–1.2 29.6N–.10 95.2E–.20 10 3.5b 7 5-65
IDC IV 15 15 32 44.5–1.6 29.72N 95.34E 0 3.6L,3.3 ¶12601043
ISC Event type ke.
IDC Error ellipse: s-maj=69.9km s-min=23.4km az=64.0.
ISC V 23 12 01 29.9–1.2 27.55N–.09 92.49E–.08 17 3.7b 24 2-65
IDC V 23 12 01 27.7–3.8 27.56N 92.85E 0 3.7,3.5 ¶13469829
ISCJB V 23 12 01 28.4–.79 27.59N–.06 92.48E–.05 17 3.6b,3.5
DMN V 23 12 01 28.9–.58 27.56N 92.85E 60 4.5L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=271.1km s-min=22.0km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.6km az=16.5.
DMN Event type ke. Error ellipse: s-maj=34.7km s-min=11.0km az=1.0.
IDC VI 20 12 20 55.0–1.4 28.70N 95.50E 0 3.6s,3.6
¶16101533
IDC Error ellipse: s-maj=69.0km s-min=19.8km az=64.0.

(314) Southern India.

ISC I 04 05 20 06.4–2.0 21.59N–.04 75.24E–.04 8–13 4.0b 95 3-145
IDC I 04 05 20 05.3–.94 21.55N 75.15E 0 4.1,4.0b ¶12080100
NEIC I 04 05 20 06.5–.55 21.59N 75.33E 10 4.1b,4.0b
NDI I 04 05 20 06.4–4.0 21.57N 75.31E 10 4.2L,4.1b
NNC I 04 05 20 10.4–2.0 22.10N 75.57E 0 3.9b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=18.1km az=157.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.1km az=171.0.
NDI Error ellipse: s-maj=10.7km s-min=11.7km az=-1.0.
NNC Error ellipse: s-maj=53.7km s-min=23.1km az=70.0.
IDC II 26 08 11 50.2–8.8 23.27N 69.13E 0 3.6,3.4
¶15957345
IDC Error ellipse: s-maj=254.8km s-min=43.1km az=85.0.
ISC III 26 04 44 11.0–.59 22.41N–.04 85.87E–.05 10 3.9b 63 2-80
ISCJB III 26 04 44 09.5–.41 22.41N–.03 85.81E–.04 10 3.8b ¶12612760
IDC III 26 04 44 09.4–.98 22.36N 85.85E 0 3.9,3.7b
DMN III 26 04 44 11.0–.62 22.18N 85.96E 10 5.1L,3.7b
NEIC III 26 04 44 11.7–.89 22.40N 85.90E 10 4.1b,3.7b
NDI III 26 04 44 13.0–17 22.49N 85.77E 10 4.2L,4.1b
ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=6.0km s-min=4.0km az=26.9.
IDC Error ellipse: s-maj=36.4km s-min=20.3km az=60.0.
DMN Event type ke. Error ellipse: s-maj=14.4km s-min=9.7km az=138.0.
NEIC Event type de. Error ellipse: s-maj=12.0km s-min=10.8km az=97.0. Five people injured and buildings damaged at Chaibasa. Felt at Bahalda, Itwari, Jamshedpur, Kharsawan, Rajnagar and Saraikela.
NDI Error ellipse: s-maj=49.3km s-min=41.4km az=-1.0.
ISC IV 12 18 42 09.9–.76 23.31N–.06 70.17E–.05 15 3.1b 27 0-78
ISCJB IV 12 18 42 08.2–.56 23.37N–.07 70.24E–.04 15 3.0b ¶12935071
NDI IV 12 18 42 10.9–1.6 23.38N 70.09E 15 3.5L
IDC IV 12 18 42 12.4–6.0 23.69N 70.18E 0 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.3km az=167.7.
NDI Error ellipse: s-maj=6.1km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=182.7km s-min=33.9km az=82.0.

(315) India-Bangladesh border region.

ISC I 01 16 37 20.7–.83 24.92N–.07 92.00E–.06 35 3.3b 13 1-64
IDC I 01 16 37 14.8–.97 24.69N 91.59E 0 3.4,3.3 ¶12079763
ISCJB I 01 16 37 18.2–.63 24.79N–.06 91.97E–.06 33 3.2b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC I 05 07 04 09.6–.60 22.93N–.06 88.62E–.06 35 4.0b 81 3-82
IDC I 05 07 04 04.9–.87 23.05N 88.50E 0 4.4L,4.1 ¶11712602
DMN I 05 07 04 06.2–.57 22.73N 88.97E 10 4.7L,4.1
ISCJB I 05 07 04 07.6–.44 22.93N–.04 88.66E–.05 33 4.0b,3.5s
NEIC I 05 07 04 10.3–.55 23.01N 88.71E 35 4.2b,3.5s
NDI I 05 07 04 15.3–9.9 23.51N 88.43E 33 4.2L,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=17.6km az=50.0.
DMN Event type ke. Error ellipse: s-maj=16.7km s-min=11.1km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.5km az=136.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=6.6km az=45.0.
NDI Error ellipse: s-maj=82.2km s-min=36.0km az=-1.0.
ISC I 29 00 35 01.5–1.1 23.81N–.05 88.25E–.07 35 3.3b 31 2-65
IDC I 29 00 34 54.6–2.0 23.66N 88.70E 0 4.4L,3.8 ¶11677726
DMN I 29 00 34 59.7–.35 23.67N 88.57E 30 4.8L,3.8
ISCJB I 29 00 35 00.0–.96 23.79N–.04 88.20E–.09 33 3.2b,3.8
NDI I 29 00 35 02.1–2.3 23.70N 88.17E 10 3.7L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=69.5km s-min=21.2km az=64.0.
DMN Event type ke. Error ellipse: s-maj=9.6km s-min=6.4km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.4km az=0.7.
NDI Error ellipse: s-maj=14.2km s-min=7.2km az=-1.0.
ISC I 31 10 54 00.0–3.3 25.69N–.09 90.78E–.09 2–23 3.8b 31 1-64
DMN I 31 10 53 59.1–.66 25.66N 91.15E 10 4.6L ¶11677753
ISCJB I 31 10 54 00.2–1.5 25.68N–.06 90.75E–.04 13–10 3.6b,3.0s
IDC I 31 10 54 00.8–1.5 25.78N 90.83E 0 3.8,3.8L
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=53.3km s-min=12.4km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.5km az=30.0.
IDC Error ellipse: s-maj=60.1km s-min=17.8km az=61.0.
ISC II 08 22 58 41.3–.94 24.07N–.08 91.5E–.10 30 3.6b 9 0-60
IDC II 08 22 58 36.3–2.2 24.00N 91.41E 0 4.0L,3.9 ¶15955235
ISCJB II 08 22 58 38.2–1.3 23.89N–.08 91.4E–.20 30 3.6b,3.9
ISC Event type ke.
ISCJB Event type ke.
ISC II 15 19 35 56.8–3.9 25.85N–.05 90.19E–.04 14–25 4.2b,3.3s 56 2-92
IDC II 15 19 35 55.2–.81 25.96N 90.13E 0 4.1,4.1L ¶12083236
DMN II 15 19 35 58.2–.41 25.78N 90.41E 60 5.3L,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=15.1km az=55.0.
DMN Event type ke. Error ellipse: s-maj=26.8km s-min=7.8km az=23.0.
ISC II 25 23 51 35.3–.55 23.23N–.08 92.72E–.08 41–4 4.3b,3.6s 116 2-153
ISCJB II 25 23 51 33.0–.69 23.25N–.06 92.81E–.06 37–8 4.3b,3.6s ¶12054408
NEIC II 25 23 51 35.0–.30 23.29N 92.82E 35 4.5b,3.6s
IDC II 25 23 51 35.5–.64 23.27N 92.83E 41–5 4.0,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=4.8km az=42.6.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=4.8km az=52.0.
IDC Error ellipse: s-maj=28.8km s-min=10.2km az=57.0.
ISC III 13 13 46 45.1–2.1 26.6N–.30 89.9E–.10 93–38 19 1-6
DMN III 13 13 46 43.0–.70 26.58N 90.02E 10 4.7L ¶12791160
ISCJB III 13 13 46 44.3–1.0 26.6N–.30 89.8E–.10 111–17 4.7L
ISC Event type ke.
DMN Event type ke.
ISCJB Event type ke.
ISC IV 10 15 34 38.5–1.6 26.0N–.30 91.0E–.40 35 3.7b 5 1-64
IDC IV 10 15 34 33.2–1.5 25.89N 90.98E 0 3.5,3.4 ¶16152629
ISC Event type ke.
IDC Error ellipse: s-maj=63.0km s-min=21.6km az=65.0.
ISC IV 19 06 33 25.8–1.1 25.6N–.20 91.50E–.07 28 3.9b 28 0-152
IDC IV 19 06 33 22.5–.75 25.67N 91.39E 0 3.9,3.8b ¶12935696
ISCJB IV 19 06 33 24.2–.48 25.6N–.10 91.51E–.05 28 3.8b,3.8b
DMN IV 19 06 33 24.9–.81 25.26N 91.47E 10 4.5L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=32.8km s-min=16.2km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=4.5km az=19.2.
DMN Event type ke. Error ellipse: s-maj=55.0km s-min=16.0km az=27.0.
ISC VI 01 01 40 46.7–.58 26.41N–.09 89.80E–.05 10 3.6b 22 2-123
ISCJB VI 01 01 40 44.1–.65 26.38N–.08 89.67E–.08 10 3.7b,2.4s ¶13680071
IDC VI 01 01 40 48.5–.96 26.42N 89.77E 26–5 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=9.3km az=150.7.
IDC Error ellipse: s-maj=35.0km s-min=18.0km az=58.0.

(316) Bangladesh.

ISC I 06 16 03 28.8–.84 24.21N–.08 89.75E–.08 35 3.4b 28 3-64
IDC I 06 16 03 25.9–1.4 24.45N 90.19E 0 4.0L,3.7 ¶11712620
ISCJB I 06 16 03 26.8–.61 24.14N–.05 89.68E–.06 33 3.4b,3.7
DMN I 06 16 03 27.6–.35 24.47N 90.18E 10 4.7L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=56.8km s-min=16.8km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.4km az=138.1.
DMN Event type ke. Error ellipse: s-maj=16.5km s-min=6.6km az=44.0.
ISC VI 26 12 51 52.8–2.5 23.4N–.20 90.57E–.07 35 3.7b 27 2-63
IDC VI 26 12 51 45.2–2.0 23.11N 90.41E 0 4.5L,4.0 ¶13584571
DMN VI 26 12 51 53.7–.34 23.23N 90.54E 50 4.6L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=79.0km s-min=19.7km az=61.0.
DMN Event type ke. Error ellipse: s-maj=14.6km s-min=6.3km az=44.0.

(317) Northeastern India.

ISC IV 12 06 47 32.4–.84 26.0N–.10 91.47E–.08 42 3.6b 11 1-84
IDC IV 12 06 47 26.8–.93 26.23N 91.67E 0 3.6,3.4 ¶12935118
ISCJB IV 12 06 47 30.9–.69 26.11N–.08 91.51E–.07 42 3.5b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC IV 25 14 29 28.7–.47 26.08N–.06 91.45E–.05 42 4.1b 82 1-89
IDC IV 25 14 29 23.0–.75 26.17N 91.47E 0 4.2,4.1 ¶13439084
ISCJB IV 25 14 29 27.0–.33 26.12N–.04 91.46E–.03 42 4.1b,3.0s
DMN IV 25 14 29 27.4–.34 25.89N 91.68E 60 4.8L,3.0s
NEIC IV 25 14 29 28.1–.88 26.11N 91.45E 38–9 4.4b,3.0s
ISC Event type fe.
IDC Error ellipse: s-maj=25.9km s-min=14.4km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.4km az=16.6.
DMN Event type ke. Error ellipse: s-maj=33.8km s-min=6.2km az=19.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=5.8km az=56.0. Felt at Guwahati.
ISC VI 22 13 26 20.3–.42 25.74N–.07 93.34E–.05 33–2 4.0b,3.0s 113 1-123
NEIC VI 22 13 26 20.5–.40 25.67N 93.28E 33 4.3b,3.0s ¶13383543
IDC VI 22 13 26 20.2–.45 25.73N 93.37E 32–2 4.1L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=6.8km az=50.0.
IDC Error ellipse: s-maj=16.4km s-min=9.7km az=50.0.

(318) Yunnan.

ISC I 06 05 10 01.5–.93 26.96N–.09 100.1E–.10 11 4.0b 27 3-87
IDC I 06 05 10 00.1–.95 27.04N 100.39E 0 4.0,3.8 ¶12080460
NEIC I 06 05 10 01.7–.44 27.06N 100.46E 10 4.2b,3.8
BJI I 06 05 10 02.1 27.07N 100.28E 10 4.5b,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=58.7km s-min=16.7km az=60.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.6km az=55.0.
ISC I 18 06 33 46.8–1.9 25.7N–.20 103.9E–.10 35 3.6b 8 3-75
IDC I 18 06 33 42.9–4.8 25.88N 104.07E 0 3.8,3.7b ¶12081612
ISC Event type ke.
IDC Error ellipse: s-maj=95.4km s-min=53.1km az=8.0.
ISC I 19 02 58 47.1–1.4 27.86N–.07 100.8E–.10 10 3.4b 7 3-60
IDC I 19 02 58 42.0–1.3 26.75N 99.30E 0 3.5,3.4b ¶12081699
ISC Event type ke.
IDC Error ellipse: s-maj=70.3km s-min=18.8km az=63.0.
IDC I 26 14 09 15.2–2.5 26.23N 99.97E 0 3.4,3.1b
¶12082377
IDC Error ellipse: s-maj=526.5km s-min=28.1km az=57.0.
ISC I 27 21 00 01.1–2.4 23.67N–.07 104.5E–.20 10 10 2-3
ISCJB I 27 20 59 57.7–1.8 23.70N–.04 104.5E–.10 10 ¶15177690
PLV I 27 21 00 00.1–3.8 23.66N 104.62E 10–999 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=5.1km az=166.0.
PLV Error ellipse: s-maj=67.6km s-min=51.9km az=-1.0.
PLV I 28 21 21 47.4–3.0 23.45N 103.03E 0–999 3.1
¶15177691
PLV Error ellipse: s-maj=47.5km s-min=37.1km az=-1.0.
ISC II 10 17 20 25.1–1.1 24.31N–.09 103.9E–.10 10 3.5b 9 1-56

ISCJB II 10 17 20 22.7–.79 24.28N–.08 103.90E–.10 10 3.5b ¶12699921
IDC II 10 17 20 22.9–1.1 24.40N 103.90E 0 4.5L,3.6
BJI II 10 17 20 23.5 24.33N 103.94E 18 3.9b,3.8s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=7.8km az=138.9.
IDC Error ellipse: s-maj=31.3km s-min=18.1km az=83.0.
ISC II 24 15 20 03.7–1.2 24.8N–.10 101.9E–.10 10 3.3b 6 1-32
BJI II 24 15 20 01.8 24.54N 101.92E 11 4.0L ¶12701758
ISCJB II 24 15 20 02.0–.96 24.7N–.10 101.91E–.09 10 3.2b
IDC II 24 15 20 03.0–2.6 24.76N 101.91E 0 3.4,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=8.0km az=149.6.
IDC Error ellipse: s-maj=72.3km s-min=24.9km az=100.0.
ISC III 07 07 28 08.0–1.5 22.92N–.03 104.17E–.07 11–11 3.4b 23 1-55
PLV III 07 07 28 03.2–3.0 23.03N 104.30E 17–38 2.9 ¶12702625
IDC III 07 07 28 06.8–1.0 22.94N 104.22E 0 4.2L,3.7
BJI III 07 07 28 06.6 22.94N 104.07E 5 4.1L,3.8s
ISC Event type ke.
PLV Error ellipse: s-maj=20.0km s-min=17.1km az=-1.0.
IDC Error ellipse: s-maj=25.6km s-min=18.4km az=88.0.
ISC III 27 14 43 36.0–1.5 22.13N–.04 102.64E–.06 8–12 3.5b 21 1-55
PLV III 27 14 43 30.9–2.4 22.40N 102.56E 17–172 3.1 ¶12635702
IDC III 27 14 43 34.6–1.0 22.15N 102.86E 0 3.7L,3.6
BJI III 27 14 43 37.8 22.25N 102.90E 30 3.9L,3.8b
ISC Event type ke.
PLV Error ellipse: s-maj=35.4km s-min=18.0km az=-1.0.
IDC Error ellipse: s-maj=24.9km s-min=17.3km az=96.0.
IDC III 29 09 49 09.8–1.1 26.74N 103.97E 0 3.7,3.5b ¶12605109
IDC Error ellipse: s-maj=53.7km s-min=17.9km az=62.0.
ISC IV 04 08 37 52.0–.64 26.34N–.09 99.42E–.07 10 4.0b 47 3-87
BJI IV 04 08 37 49.3 26.31N 99.35E 10 3.6L,3.3 ¶12606168
ISCJB IV 04 08 37 49.7–.47 26.28N–.07 99.51E–.07 10 4.4s,4.0b
IDC IV 04 08 37 50.0–.74 26.41N 99.66E 0 4.4,4.4s
NEIC IV 04 08 37 52.0–.48 26.37N 99.49E 10 4.3b,4.4s
MOS IV 04 08 37 53.0–1.1 26.25N 99.33E 33 4.5b,4.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=5.7km az=35.8.
IDC Error ellipse: s-maj=30.9km s-min=13.6km az=68.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=8.5km az=56.0.
MOS Error ellipse: s-maj=27.0km s-min=10.9km az=118.4.
ISC IV 04 22 03 53.3–.60 23.18N–.03 101.61E–.04 15–3 4.2b,3.9s 117 2-90
ISCJB IV 04 22 03 49.7–.76 23.22N–.03 101.67E–.04 2–5 4.2b,4.0s ¶12606317
BJI IV 04 22 03 50.6 23.24N 101.64E 15 4.7b,4.6L
IDC IV 04 22 03 51.1–.63 23.25N 101.61E 0 4.1,4.0b
PLV IV 04 22 03 51.7–2.6 23.35N 101.75E 0–20 3.7,4.0b
NEIC IV 04 22 03 52.6–.32 23.24N 101.68E 10 4.3b,4.0b
MOS IV 04 22 03 54.0–1.1 23.22N 101.62E 33 4.6b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=1.9.
IDC Error ellipse: s-maj=18.9km s-min=13.5km az=77.0.
PLV Error ellipse: s-maj=26.4km s-min=30.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.8km az=101.0.
MOS Error ellipse: s-maj=12.5km s-min=7.5km az=94.6.
ISC IV 13 20 37 14.6–.59 25.99N–.04 99.78E–.04 31–4 4.7b,3.8s 373 3-165
BJI IV 13 20 37 09.8 25.99N 99.79E 10 4.8b,4.6s ¶13438488
IDC IV 13 20 37 09.2–.46 25.95N 99.95E 0 4.7L,4.4
ISCJB IV 13 20 37 11.6–1.1 25.95N–.03 99.80E–.03 25–8 4.6b,3.9s
MOS IV 13 20 37 12.3–.86 25.91N 99.93E 33 5.0b,3.9s
NEIC IV 13 20 37 15.0–.78 25.97N 99.94E 42–7 4.9b,3.9s
DJA IV 13 20 37 19.9–1.1 26N–6.0 100E–10 92–13 5.5,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IV 14 02 29 21.6–.38 25.94N–.05 99.72E–.04 10 4.4b,3.3s 206 3-121
ISCJB IV 14 02 29 19.6–.25 25.91N–.04 99.77E–.03 10 4.3b,3.3s ¶12590210
BJI IV 14 02 29 20.5 25.96N 99.73E 13 4.4b,4.4b
MOS IV 14 02 29 23.1–.65 25.95N 99.85E 33 4.5b,4.4b
NEIC IV 14 02 29 25.5–.61 25.96N 99.91E 40–6 4.7b,4.4b
IDC IV 14 02 29 25.1–3.9 26.00N 99.95E 33–30 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.8km az=9.5.
MOS Error ellipse: s-maj=12.9km s-min=5.5km az=117.9.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.0km az=66.0.
IDC Error ellipse: s-maj=23.5km s-min=12.8km az=65.0.
IDC IV 20 11 12 01.6–1.4 27.53N 100.80E 0 3.4,3.2 ¶12638854
IDC Error ellipse: s-maj=112.7km s-min=22.6km az=59.0.
BJI IV 21 21 20 28.5 27.82N 103.69E 15 3.6L ¶13438975
PLV IV 27 22 18 06.6–11 23.53N 102.36E 7–999 3.1 ¶12742392
PLV Error ellipse: s-maj=999.9km s-min=559.2km az=-1.0.
ISC V 21 00 11 13.1–.73 28.1N–.10 99.8E–.10 10 3.8b 20 4-91
ISCJB V 21 00 11 10.8–.48 28.00N–.06 99.69E–.06 10 3.7b,2.8s ¶13469808
IDC V 21 00 11 12.1–.96 28.18N 99.80E 0 3.9L,3.8
BJI V 21 00 11 13.3 28.15N 99.64E 5 3.6L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.5km az=34.9.
IDC Error ellipse: s-maj=34.0km s-min=17.0km az=75.0.
ISC V 22 15 01 24.7–.61 28.09N–.05 99.73E–.06 10 3.9b 23 4-91
ISCJB V 22 15 01 21.9–.40 28.02N–.05 99.69E–.04 10 3.8b ¶13469822
BJI V 22 15 01 25.8 28.13N 99.67E 6 3.9b,3.7L
IDC V 22 15 01 26.5–5.6 28.15N 99.79E 20–37 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=9.4.
IDC Error ellipse: s-maj=27.7km s-min=13.8km az=58.0.
ISC VI 01 06 44 41.4–.95 25.59N–.06 99.95E–.08 10 3.7b 10 3-56
ISCJB VI 01 06 44 39.8–.85 25.57N–.07 100.03E–.06 10 3.5b ¶13193537
IDC VI 01 06 44 40.2–1.2 25.67N 100.31E 0 4.1L,3.8
BJI VI 01 06 44 41.8 25.64N 99.93E 10 3.5L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=8.1km az=25.3.
IDC Error ellipse: s-maj=42.7km s-min=18.4km az=81.0.
ISC VI 01 06 51 28.5–.95 25.66N–.06 100.06E–.08 10 3.8b 10 2-56
ISCJB VI 01 06 51 26.7–.75 25.55N–.08 100.05E–.06 10 3.6b,2.7s ¶13193540
IDC VI 01 06 51 27.2–1.1 25.61N 100.09E 0 4.0L,3.8
BJI VI 01 06 51 29.2 25.63N 99.93E 12 3.4L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=7.4km az=24.6.
IDC Error ellipse: s-maj=39.6km s-min=17.5km az=77.0.
ISC VI 01 13 51 59.5–1.7 25.0N–.10 99.9E–.10 10 3.4b 4 3-56
BJI VI 01 13 52 00.1 25.10N 100.00E 13 3.4L ¶13193588
IDC VI 01 13 52 02.8–1.4 25.10N 99.32E 0 3.4,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=45.3km s-min=19.6km az=81.0.
PLV VI 12 21 01 17.3–2.1 23.83N 102.45E 0–999 3.6 ¶13196499
PLV Error ellipse: s-maj=40.8km s-min=31.7km az=-1.0.
PLV VI 13 05 40 01.7–3.2 23.97N 102.64E 0–999 4.0 ¶13196556
PLV Error ellipse: s-maj=66.3km s-min=45.9km az=-1.0.
ISC VI 20 13 04 31.8–.96 23.0N–.10 101.1E–.20 10 3.8b 10 3-56
ISCJB VI 20 13 04 29.9–.64 23.04N–.06 101.2E–.10 10 3.7b ¶13202253
IDC VI 20 13 04 30.4–.87 23.07N 101.22E 0 3.9,3.9L
BJI VI 20 13 04 31.5 23.00N 100.99E 5 3.6L,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=6.9km az=25.1.
IDC Error ellipse: s-maj=29.1km s-min=14.0km az=84.0.

(319) Bay of Bengal.

ISC II 27 10 42 38.2–.28 20.46N–.04 89.09E–.03 10 4.6b,3.7s 297 2-153
MOS II 27 10 42 36.1–1.3 20.43N 89.12E 10 4.8b,3.7s ¶11730414
ISCJB II 27 10 42 36.1–.21 20.45N–.03 89.05E–.02 10 4.5b,3.7s
IDC II 27 10 42 36.3–.36 20.47N 89.16E 0 4.6L,4.4
BJI II 27 10 42 37.7 20.77N 89.19E 10 4.7b,4.6b
NEIC II 27 10 42 38.0–.18 20.47N 89.11E 10 4.8b,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=20.2km s-min=9.8km az=112.8.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.2km az=11.3.
IDC Error ellipse: s-maj=13.8km s-min=9.3km az=49.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=50.0.
ISC IV 14 16 56 46.8–.69 21.54N–.08 91.66E–.06 10 3.8b,3.2s 38 2-85
IDC IV 14 16 56 45.7–1.1 21.55N 91.79E 0 3.8,3.8L ¶12742249
ISCJB IV 14 16 56 46.0–.60 21.56N–.06 91.49E–.08 10 3.7b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC IV 24 12 37 22.3–1.0 6.4N–.10 86.77E–.10 10 4.0b 29 7-84
IDC IV 24 12 37 20.2–1.2 6.20N 86.48E 0 4.0,3.9 ¶12936083
ISCJB IV 24 12 37 21.6–.82 6.45N–.08 86.91E–.08 10 4.0b,3.5s
ISC Event type ke.
ISCJB Event type ke.

SEISMIC REGION 27.
Southern Xinjiang to Gansu.

(320) Kyrgyzstan-Xinjiang border region.

ISC I 04 18 18 55.9–1.7 40.59N–.09 76.3E–.10 10 24 1-5
NNC I 04 18 18 47.5–2.1 40.35N 76.41E 0 3.6b,3.2 ¶11712590
ISC Event type ke.
NNC Error ellipse: s-maj=16.3km s-min=11.1km az=144.0.
ISC I 16 14 46 22.5–2.0 41.88N–.09 79.3E–.10 15 7 2-9
NNC I 16 14 46 23.5–1.8 41.73N 79.00E 0 3.7b,3.4 ¶12609281
ISC Event type ke.
NNC Error ellipse: s-maj=15.4km s-min=5.3km az=160.0.
ISC I 17 23 12 45.2–.71 41.32N–.07 79.49E–.05 10 4.0s,3.7b 49 3-82
NNC I 17 23 12 42.8–3.3 41.25N 79.60E 0 3.9,3.7b ¶12081583
ISCJB I 17 23 12 43.6–.61 41.28N–.06 79.51E–.05 10 4.0s,3.6b
IDC I 17 23 12 43.2–.91 41.17N 79.35E 0 4.0s,4.0
BJI I 17 23 12 46.0 41.20N 79.40E 13 4.1s,4.0b
ISC Event type ke.
NNC Error ellipse: s-maj=31.0km s-min=21.2km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.3km az=175.0.
IDC Error ellipse: s-maj=20.1km s-min=14.9km az=69.0.
ISC I 24 07 01 58.8–1.4 40.04N–.07 75.61E–.08 19 25 1-10 ¶16193614
ISC Event type ke.
ISC II 08 19 10 42.6–.92 40.06N–.09 77.19E–.09 37 42 1-77
IDC II 08 19 10 37.1–2.6 39.94N 77.26E 0 3.4,3.3 ¶12083020
NNC II 08 19 10 39.0–3.0 40.16N 77.00E 0 3.8b,3.5
BJI II 08 19 10 39.9 40.34N 77.10E 14 3.4L,3.5
ISCJB II 08 19 10 41.7–.39 40.04N–.05 77.36E–.09 37 3.0b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC II 21 06 19 04.5–2.5 41.9N–.20 78.3E–.10 10 10 2-21
NNC II 21 06 19 00.0–.95 41.86N 78.22E 0 3.4b,3.0 ¶12701406
IDC II 21 06 19 03.1–2.4 42.15N 78.10E 0 3.2L,3.1
ISC Event type ke.
NNC Error ellipse: s-maj=9.5km s-min=2.7km az=164.0.
IDC Error ellipse: s-maj=34.8km s-min=11.3km az=158.0.
ISC II 22 16 05 37.4–1.9 40.93N–.06 77.4E–.10 10 15 2-7
NNC II 22 16 05 29.6–2.9 40.55N 77.51E 0 3.6b,3.2 ¶12855434
ISC Event type ke.
NNC Error ellipse: s-maj=23.7km s-min=16.6km az=14.0.
NNC II 22 17 39 03.9–13 41.03N 77.35E 2–62 3.5b,3.1 ¶12855431
NNC Error ellipse: s-maj=76.1km s-min=36.0km az=132.0.
ISC III 01 22 12 04.0–1.3 40.08N–.09 75.8E–.30 10 7 1-11
NNC III 01 22 11 58.1–1.1 40.06N 75.78E 0 3.5b,3.2 ¶12933906
ISCJB III 01 22 12 04.0–.65 40.16N–.06 75.7E–.20 10 3.5b,3.2
ISC Event type ke.
ISCJB Event type ke.
ISC III 02 02 19 25.0–1.6 41.63N–.08 78.98E–.09 13 8 2-9
NNC III 02 02 19 21.4–1.5 41.53N 79.18E 0 3.4b,3.1 ¶12933987
ISCJB III 02 02 19 25.5–1.5 41.71N–.09 79.23E–.10 13 3.4b,3.1
ISC Event type ke.
ISCJB Event type ke.
NNC III 02 03 27 41.0–2.2 42.18N 80.86E 0 3.8b,3.4 ¶12933985
NNC Error ellipse: s-maj=21.0km s-min=7.1km az=151.0.
ISC III 27 00 32 15.8–1.0 41.68N–.07 78.38E–.04 10 16 2-71
IDC III 27 00 32 13.8–2.3 41.68N 78.38E 0 3.5,3.5 ¶12635663
NNC III 27 00 32 17.6–1.9 41.88N 78.46E 0 4.0b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=13.9km az=154.0.
NNC Error ellipse: s-maj=14.9km s-min=9.6km az=175.0.
ISC IV 19 04 08 19.0–.43 41.27N–.03 78.22E–.02 23–2 5.2b,5.0s 1137 2-156
BGS IV 19 04 08 08.7–1.9 40.36N 79.98E 33 5.1s,5.0b ¶13438864
LDG IV 19 04 08 14.2–.34 41.16N 78.11E 10 5.3b,4.7s
IDC IV 19 04 08 14.8–.37 41.15N 78.20E 0 5.0L,4.9
ISCJB IV 19 04 08 15.5–.51 41.29N–.01 78.23E–.02 10–3 5.2b,5.0s
NNC IV 19 04 08 15.6–.95 41.23N 78.20E 5–4 5.8b,5.5
BJI IV 19 04 08 18.1 41.27N 78.27E 30 5.8L,5.4s
MOS IV 19 04 08 18.7–.97 41.31N 78.24E 33 5.4b,4.8s
TEH IV 19 04 08 19.7 41.30N 78.22E 27 5.2L,4.8s
NEIC IV 19 04 08 21.0–.44 41.28N 78.20E 39–3 5.3b,4.8s
GCMT IV 19 04 08 20.2–.10 41.29N 78.32E 26–0 5.4W,4.8s
DJA IV 19 04 08 25.6–1.2 42N–11 78E–6.0 50–15 6.8,6.0
SZGRF IV 19 04 08 32.9 42.34N 77.06E 33 5.2b,5.0s
ISC Event type fe.
BGS Error ellipse: s-maj=864.1km s-min=999.9km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=16.6km s-min=6.0km az=162.0.
IDC Error ellipse: s-maj=9.4km s-min=7.6km az=39.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=22.4.
NNC Error ellipse: s-maj=6.6km s-min=4.6km az=159.0.
MOS Event type fe. Error ellipse: s-maj=5.4km s-min=3.2km az=128.1. Felt (III-IV) ay Almaty. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=188.0. Felt at Bishkek. Felt [II] at Almaty, Kazakhstan.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s69,c116; s99,c199; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.02 $M_{\theta\theta}$-1.36±.02; $M_{\phi\phi}$1.38±.02; $M_{r\theta}$0.05±.04; $M_{\theta\phi}$-0.41±.02; $M_{\phi r}$-0.05±.04; Best double couple: NP1: ϕ_s217.00000°,δ87.00000°,λ0.00000°. NP2:ϕ_s127.00000°,δ90.00000°,λ177.00000°. Principal axes: T 1.4400,Plg2.0000°,Azm82.0000°; N -0.0200,Plg87.0000°,Azm303.0000° ; P -1.4200,Plg2.0000°,Azm172.0000° M_o1.40000×10^{17}
SZGRF Lake Issyk-Kul, Kyrgyzstan, region.
ISC IV 19 04 44 49.7–3.4 41.3N–.20 78.1E–.20 10 12 2-9
NNC IV 19 04 44 47.9–2.2 41.24N 78.14E 0 3.7b,3.3 ¶12611753
ISC Event type ke.
NNC Error ellipse: s-maj=17.3km s-min=12.1km az=2.0.
ISC IV 22 11 29 27.6–3.4 41.7N–.30 78.4E–.10 10 10 2-6
NNC IV 22 11 29 16.8–3.7 41.02N 78.02E 20–33 3.7b,3.3 ¶13546010
ISC Event type ke.
NNC Error ellipse: s-maj=29.4km s-min=22.4km az=120.0.
NNC IV 25 02 43 21.1–1.7 42.39N 80.39E 0 3.9,3.0b ¶12697184
NNC Error ellipse: s-maj=20.1km s-min=6.3km az=143.0.
ISC IV 29 11 59 02.5–3.2 41.4N–.10 77.2E–.10 10 11 1-6
NNC IV 29 11 58 57.6–4.3 41.38N 77.75E 0 3.9b,3.5 ¶13546337
KNET IV 29 11 59 03.5–.52 41.50N 77.18E 0 3.0L,3.5
ISC Event type ke.
NNC Error ellipse: s-maj=35.3km s-min=25.8km az=16.0.

KNET Error ellipse: s-maj=9.5km s-min=2.3km az=56.0.
ISC V 17 08 14 53.6–3.1 40.8N–.20 77.9E–.10 19 16 2-7
NNC V 17 08 14 57.6–6.8 41.12N 78.00E 0 3.8b,3.4 **¶13584280**
ISC Event type ke.
NNC Error ellipse: s-maj=51.8km s-min=28.4km az=175.0.
NNC VI 02 20 40 08.9–.83 42.64N 80.48E 0 3.5b,3.1 ¶13193834
NNC Error ellipse: s-maj=8.9km s-min=3.8km az=150.0.
NNC VI 07 00 16 15.7–1.8 42.67N 80.86E 0 3.8b,3.5 ¶13195431
NNC Error ellipse: s-maj=17.4km s-min=5.0km az=143.0.
ISC VI 19 23 21 39.1–3.3 40.7N–.20 77.70E–.10 10 10 2-10
NNC VI 19 23 21 37.0–4.0 40.42N 77.53E 0 3.6b,3.2 **¶13207189**
ISC Event type ke.
NNC Error ellipse: s-maj=36.3km s-min=30.7km az=27.0.
ISC VI 21 07 09 13.6–2.9 41.3N–.20 78.04E–.09 10 13 2-9
NNC VI 21 07 09 09.4–4.2 41.05N 78.24E 0 3.5b,3.2 **¶13366476**
ISC Event type ke.
NNC Error ellipse: s-maj=32.5km s-min=22.9km az=161.0.
ISC VI 29 20 25 25.6–1.1 40.97N–.08 75.23E–.07 7 3.8b 42 1-70
ISCJB VI 29 20 25 23.6–.73 40.93N–.05 75.03E–.08 7 3.6b **¶13682272**
IDC VI 29 20 25 26.2–1.6 41.06N 75.13E 0 3.8b,3.5
NNC VI 29 20 25 27.9–.81 41.12N 75.12E 0 4.0b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.3km az=34.3.
IDC Error ellipse: s-maj=21.6km s-min=18.5km az=95.0.
NNC Error ellipse: s-maj=7.1km s-min=4.1km az=147.0.

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ISC I 01 00 49 10.5–.96 39.70N–.08 74.22E–.06 28 3.5b 43 2-82
IDC I 01 00 49 05.5–1.1 39.37N 74.01E 0 3.7,3.6b **¶11712465**
NNC I 01 00 49 10.0–1.4 39.62N 73.75E 0 3.8,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=17.1km az=150.0.
NNC Error ellipse: s-maj=12.0km s-min=6.4km az=177.0.
IDC I 05 00 26 20.1–2.3 35.68N 81.54E 0 3.3,3.3 ¶12080311
IDC Error ellipse: s-maj=42.8km s-min=25.6km az=132.0.
ISC I 11 05 36 07.1–1.8 40.82N–.07 78.72E–.08 20 20 2-10
ISCJB I 11 05 36 03.6–1.4 40.70N–.08 78.9E–.10 20 **¶12698739**
NNC I 11 05 36 11.6–6.3 41.40N 79.10E 0 3.9b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=9.0km az=135.2.
NNC Error ellipse: s-maj=59.5km s-min=25.8km az=166.0.
ISC I 13 00 19 46.4–1.2 39.42N–.08 74.06E–.06 28 25 1-68
IDC I 13 00 19 43.1–4.0 39.27N 73.70E 0 3.8b,3.6 **¶11712735**
NNC I 13 00 19 50.7–2.4 39.77N 73.74E 0 3.8b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=84.4km s-min=26.3km az=123.0.
NNC Error ellipse: s-maj=20.7km s-min=10.3km az=0.0.
ISC I 18 05 36 44.3–1.3 38.4N–.10 75.29E–.10 10 3.9b 32 1-79
ISCJB I 18 05 36 42.8–1.1 38.5N–.10 75.20E–.09 10 3.8b **¶13405814**
IDC I 18 05 36 42.4–1.8 38.30N 75.20E 0 3.8,3.7
BJI I 18 05 36 43.4 38.87N 74.90E 24 3.3L,3.7
NNC I 18 05 36 48.5–22 38.72N 75.85E 0 3.4b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=10.3km az=13.5.
IDC Error ellipse: s-maj=36.8km s-min=20.6km az=145.0.
NNC Error ellipse: s-maj=301.0km s-min=205.9km az=70.0.
ISC I 21 05 58 14.1–.55 39.32N–.05 74.13E–.06 28 3.8b 86 1-84
IDC I 21 05 58 10.8–.81 39.38N 74.02E 0 4.2s,4.2 **¶13433898**
BJI I 21 05 58 14.7 39.58N 74.06E 10 3.7b,3.4L
MOS I 21 05 58 14.4–1.0 39.43N 73.87E 33 4.5b,3.4L
NEIC I 21 05 58 16.3–.44 39.46N 73.93E 35 4.5b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=15.4km az=166.0.
MOS Error ellipse: s-maj=14.8km s-min=7.6km az=86.8.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.8km az=119.0.
ISC I 23 01 32 15.1–2.8 39.2N–.20 74.73E–.08 40 20 1-5 ¶16193606
ISC Event type ke.
ISC I 23 03 25 24.3–1.7 39.90N–.07 76.71E–.10 10 26 1-11
BJI I 23 03 25 15.4 39.67N 76.97E 26 3.4L **¶11682487**
NNC I 23 03 25 15.6–6.3 39.32N 77.09E 0 3.6b,3.3
ISC Event type ke.
NNC Error ellipse: s-maj=50.0km s-min=19.0km az=170.0.
ISC I 28 00 33 46.9–2.1 38.5N–.20 89.66E–.09 10 10 6-16
IDC I 28 00 33 48.6–7.2 38.56N 89.81E 0 3.4,3.4 **¶12082522**
BJI I 28 00 33 48.1 38.34N 89.90E 19 3.7L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=72.2km s-min=36.0km az=12.0.
ISC I 30 22 19 16.1–.98 39.42N–.08 74.12E–.06 10 3.5b 33 1-82
IDC I 30 22 19 15.8–1.1 39.38N 73.92E 0 3.7,3.6b **¶11682548**
NNC I 30 22 19 21.3–7.8 39.51N 73.61E 0 3.7b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=15.1km az=111.0.
NNC Error ellipse: s-maj=65.6km s-min=32.1km az=169.0.
ISC II 02 14 53 33.6–.68 38.80N–.07 75.36E–.08 37 3.7b 59 1-83
IDC II 02 14 53 28.9–.88 38.90N 75.36E 0 3.7,3.6 **¶12699406**
ISCJB II 02 14 53 31.7–.40 38.77N–.04 75.40E–.09 37 3.5b,3.6
NNC II 02 14 53 31.9–2.6 38.98N 75.11E 0 3.7b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=17.7km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=3.7km az=156.8.
NNC Error ellipse: s-maj=22.1km s-min=15.9km az=1.0.
ISC II 04 08 41 13.9–2.1 37.3N–.10 77.4E–.10 10 10 2-80
IDC II 04 08 41 09.8–2.3 37.22N 77.12E 0 3.6,3.5 **¶15955005**
ISC Event type ke.
IDC Error ellipse: s-maj=49.3km s-min=25.5km az=113.0.
ISC II 04 19 04 08.7–3.9 39.7N–.10 75.8E–.10 121–26 25 0-5 ¶16408953
ISC Event type ke.
ISC II 09 07 11 46.8–.00 39.62N–.08 74.11E–.07 28 3.6b 32 1-82
IDC II 09 07 11 44.0–1.2 39.48N 73.80E 0 3.6,3.6b **¶12699828**
ISC Event type ke.
IDC Error ellipse: s-maj=22.0km s-min=15.9km az=113.0.
ISC II 09 23 49 21.5–.00 39.46N–.10 74.22E–.07 28 3.5b 15 1-81
IDC II 09 23 49 17.9–1.1 39.35N 73.93E 0 3.5,3.5b **¶12699880**
ISCJB II 09 23 49 19.6–.94 39.36N–.10 74.12E–.08 28 3.4b,3.5b
ISC Event type ke.
ISCJB Event type ke.
NNC II 11 01 02 34.5–5.1 41.64N 82.67E 0 3.5b,3.0 ¶12835749
NNC Error ellipse: s-maj=43.0km s-min=19.9km az=154.0.
ISC II 11 06 33 16.6–1.4 39.70N–.09 75.33E–.08 19 13 1-15
NNC II 11 06 33 18.8–3.6 39.38N 74.49E 0 3.6b,3.2 **¶12835741**
ISC Event type ke.
NNC Error ellipse: s-maj=29.5km s-min=17.5km az=169.0.
ISC II 14 12 39 28.1–1.2 35.3N–.10 81.54E–.09 15 3.6b 18 6-82
ISCJB II 14 12 39 27.3–1.1 35.44N–.10 81.6E–.10 15 3.4b **¶12700660**
BJI II 14 12 39 27.0 35.49N 81.74E 10 3.6L
IDC II 14 12 39 27.4–1.2 35.34N 81.14E 0 3.5,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=13.2km az=43.5.
IDC Error ellipse: s-maj=27.7km s-min=19.6km az=55.0.
ISC II 15 02 47 07.0–1.3 40.09N–.07 78.29E–.07 22 20 2-71
IDC II 15 02 47 00.1–1.9 39.91N 77.98E 0 3.1,3.1 **¶12700741**
NNC II 15 02 47 08.1–10 40.26N 79.07E 0 3.6b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=22.7km s-min=19.1km az=171.0.
NNC Error ellipse: s-maj=78.9km s-min=66.4km az=179.0.

ISC II 15 10 51 57.1–4.1 39.2N–.30 74.6E–.10 10 15 1-16
NNC II 15 10 51 56.9–3.0 39.35N 74.55E 0 3.6b,3.4 **¶12835922**
ISC Event type ke.
NNC Error ellipse: s-maj=24.1km s-min=14.6km az=163.0.
ISC II 15 13 53 05.8–.73 36.80N–.08 84.04E–.06 35 3.7b,3.6s 46 7-80
BJI II 15 13 52 59.4 36.50N 83.80E 15 4.5L,4.5b **¶12700801**
IDC II 15 13 53 00.9–.89 36.68N 83.81E 0 4.0,4.0L
ISCJB II 15 13 53 04.1–.59 36.78N–.06 83.85E–.05 33 3.7b,3.5s
MOS II 15 13 53 04.4–1.5 36.90N 83.93E 33 4.0b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=16.2km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.9km az=12.5.
MOS Error ellipse: s-maj=17.1km s-min=6.8km az=109.1.
ISC II 15 23 27 48.7–.69 37.59N–.05 76.0E–.10 105 3.4b 28 2-80
ISCJB II 15 23 27 47.6–.38 37.57N–.03 76.10E–.08 105 3.3b **¶12700841**
BJI II 15 23 27 51.1 37.75N 76.07E 106 3.9b
IDC II 15 23 27 51.5–5.4 37.69N 75.90E 130–41 3.1b,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.9km az=0.7.
IDC Error ellipse: s-maj=44.3km s-min=23.1km az=171.0.
ISC II 16 23 13 52.7–.58 38.75N–.03 75.52E–.04 30–3 4.5b,4.2s 253 1-154
IDC II 16 23 13 50.0–3.0 38.63N 75.59E 17–17 4.5,4.4 **¶13434688**
BJI II 16 23 13 50.3 38.75N 75.62E 14 4.8b,4.6L
MOS II 16 23 13 50.4–1.2 38.59N 75.52E 33 4.7b,4.6L
ISCJB II 16 23 13 51.8–.83 38.77N–.02 75.62E–.03 33–6 4.5b,4.4s
NNC II 16 23 13 52.0–4.4 39.01N 75.24E 0 4.8b,4.7
NEIC II 16 23 13 55.0–.94 38.78N 75.62E 54–8 4.8b,4.7
ISC Event type fe.
IDC Error ellipse: s-maj=14.8km s-min=13.5km az=55.0.
MOS Error ellipse: s-maj=10.0km s-min=5.1km az=95.3.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.7km az=168.9.
NNC Error ellipse: s-maj=43.9km s-min=21.9km az=7.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=7.7km az=151.0. Felt at Kashi.
ISC II 17 04 42 53.6–.66 39.86N–.04 75.50E–.04 28–4 4.2b 143 1-83
IDC II 17 04 42 48.3–.67 39.69N 75.64E 0 4.1,4.0 **¶13434701**
MOS II 17 04 42 51.4–1.7 39.67N 75.56E 33 4.5b,4.0
NNC II 17 04 42 51.6–.88 39.85N 75.37E 0 4.3,4.3b
BJI II 17 04 42 51.4 39.90N 75.60E 13 4.6b,4.2b
NEIC II 17 04 42 56.1–.87 39.85N 75.63E 59–7 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=10.7km az=68.0.
MOS Error ellipse: s-maj=11.2km s-min=5.6km az=106.7.
NNC Error ellipse: s-maj=9.0km s-min=5.1km az=161.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.7km az=174.0.
ISC II 20 10 02 31.4–.29 40.61N–.02 78.71E–.02 30–1 5.4b,4.8s 1189 2-152
SZGRF II 20 10 02 15.0 39.21N 80.15E 33 5.6b,4.8s **¶13434899**
LDG II 20 10 02 24.5–.11 40.50N 78.73E 10 5.4b,4.4s
BGS II 20 10 02 24.2–1.9 40.32N 79.64E 23–999 5.1b,4.4s
IDC II 20 10 02 26.5–.38 40.64N 78.74E 0 5.1,5.1
ISCJB II 20 10 02 27.7–.66 40.69N–.02 78.71E–.02 18–4 5.3b,4.8s
BJI II 20 10 02 27.6 40.80N 78.60E 13 5.4L,5.2s
NNC II 20 10 02 28.6–2.1 40.81N 78.58E 0 5.5b,5.4
MOS II 20 10 02 29.6–.93 40.69N 78.74E 33 5.7b,4.9s
NEIC II 20 10 02 29.1–1.2 40.66N 78.69E 17–7 5.5b,4.9s
DJA II 20 10 02 30 40.64N 78.71E 10 5.3b,4.9s
ISC Event type de.
SZGRF Southern Xinjiang, China.
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=60.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=11.0km s-min=8.0km az=22.0.
ISCJB Event type de. Error ellipse: s-maj=2.9km s-min=2.2km az=29.2.
NNC Error ellipse: s-maj=21.4km s-min=11.8km az=147.0.
MOS Error ellipse: s-maj=6.2km s-min=3.1km az=132.0.
NEIC Event type de. Error ellipse: s-maj=3.6km s-min=2.3km az=220.0. At least 331 homes destroyed and 5,613 damaged in the Akqi-Kalpin area.
ISC II 20 15 42 37.2–.39 40.69N–.04 78.63E–.04 10 4.4b,3.5s 169 2-82
NNC II 20 15 42 35.7–2.8 40.55N 78.80E 0 4.4,4.3b **¶11713227**
ISCJB II 20 15 42 36.1–.22 40.71N–.03 78.89E–.04 10 4.4b,3.6s
IDC II 20 15 42 36.5–.69 40.65N 78.69E 0 4.1,4.0
BJI II 20 15 42 37.7 40.80N 78.60E 50 4.7b,4.5b
MOS II 20 15 42 39.7–1.3 40.72N 78.84E 37 4.3b,4.5b
NEIC II 20 15 42 41.8–.43 40.80N 78.83E 35 4.9b,4.5b
ISC Event type se.
NNC Error ellipse: s-maj=27.4km s-min=17.0km az=11.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.2km az=144.6.
IDC Error ellipse: s-maj=13.6km s-min=10.9km az=55.0.
MOS Error ellipse: s-maj=9.8km s-min=5.6km az=113.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.7km az=214.0.
ISC II 20 21 21 49.6–1.4 40.91N–.09 78.89E–.09 20 12 3-21
IDC II 20 21 21 43.5–4.1 40.61N 78.72E 0 3.1,3.1 **¶12701370**
NNC II 20 21 21 50.0–3.8 41.06N 78.80E 0 3.6b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=47.4km s-min=23.8km az=1.0.
NNC Error ellipse: s-maj=38.0km s-min=24.5km az=5.0.
ISC II 20 22 18 33.3–.91 42.0N–.10 88.5E–.10 35 3.5b 12 2-79
IDC II 20 22 18 28.6–1.2 41.83N 88.48E 0 3.7,3.6b **¶12701373**
BJI II 20 22 18 30.2 41.88N 88.64E 15 4.1b,3.6L
ISCJB II 20 22 18 31.4–.70 41.9N–.10 88.3E–.20 33 3.5b,3.6L
ISC Event type ke.
ISCJB Event type ke.
ISC II 22 03 17 32.4–.73 39.62N–.07 74.12E–.06 28 3.8b 32 1-84
IDC II 22 03 17 28.5–.84 39.41N 73.79E 0 3.9,3.8 **¶13434964**
ISC Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=12.3km az=116.0.
ISC II 22 05 21 47.0–.83 39.52N–.08 74.23E–.06 28 3.6b 26 1-84
IDC II 22 05 21 43.1–.90 39.39N 73.88E 0 3.7,3.6 **¶12701495**
NNC II 22 05 21 51.1–3.1 39.83N 73.86E 0 4.0b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=16.7km az=114.0.
NNC Error ellipse: s-maj=28.6km s-min=14.4km az=5.0.
ISC II 22 07 46 36.5–.67 39.66N–.07 74.17E–.06 28 3.5b 42 1-95
IDC II 22 07 46 32.8–.70 39.52N 73.96E 0 3.9,3.8 **¶12701505**
NNC II 22 07 46 36.1–3.2 39.64N 73.90E 6–13 4.0b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=11.7km az=107.0.
NNC Error ellipse: s-maj=22.3km s-min=13.4km az=5.0.
ISC II 25 13 42 37.4–1.2 40.92N–.08 78.67E–.09 20 24 2-76
NNC II 25 13 42 33.7–.47 40.74N 78.66E 0 3.8b,3.6 **¶12701834**
BJI II 25 13 42 33.4 40.77N 78.70E 12 4.2b,3.5L
IDC II 25 13 42 33.9–1.8 40.83N 78.71E 0 3.9,3.9s
ISC Event type ke.
NNC Error ellipse: s-maj=4.6km s-min=2.8km az=5.0.
IDC Error ellipse: s-maj=22.3km s-min=16.9km az=164.0.
ISC II 26 09 04 56.4–.47 39.53N–.04 74.16E–.05 10 4.1b 40 1-84
IDC II 26 09 04 54.1–.75 39.32N 73.82E 0 4.1,4.0 **¶13435105**
NNC II 26 09 04 56.0–2.5 39.43N 73.71E 0 4.2b,4.0
BJI II 26 09 04 58.1 39.66N 73.93E 8 4.6b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=15.0km s-min=13.0km az=137.0.
NNC Error ellipse: s-maj=21.7km s-min=12.0km az=10.0.
IDC II 28 07 24 10.5–1.1 35.14N 81.20E 0 3.7,3.6
BJI II 28 07 23 18.8 35.21N 81.75E 10 3.8L,3.6 **¶12702083**
IDC Error ellipse: s-maj=37.8km s-min=20.3km az=92.0.
ISC II 28 08 43 35.4–.44 35.28N–.04 81.48E–.05 15 4.3b,4.0s 148 6-125
IDC II 28 08 43 31.8–.59 35.15N 81.38E 0 4.3,4.2 **¶11735228**
ISCJB II 28 08 43 33.9–.24 35.34N–.03 81.51E–.05 15 4.2b,4.0s
BJI II 28 08 43 35.7 35.40N 81.60E 9 4.7L,4.7b
NEIC II 28 08 43 35.0–.36 35.32N 81.43E 10 4.2b,4.7b
MOS II 28 08 43 36.5–1.6 35.40N 81.55E 33 4.6b,4.1s
NNC II 28 08 43 43.2–4.6 35.98N 81.54E 33 4.5,4.2b
ISC Event type se.

IDC Error ellipse: s-maj=18.0km s-min=12.4km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.2km az=157.3.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=5.0km az=62.0.
MOS Error ellipse: s-maj=11.6km s-min=5.1km az=109.2.
NNC Error ellipse: s-maj=53.3km s-min=31.9km az=133.0.
ISC II 28 09 02 50.2–.47 35.27N–.05 81.43E–.06 15 4.1b,3.3s 62 6-125
IDC II 28 09 02 47.0–.55 35.16N 81.39E 0 4.1,4.0 **¶12702087**
ISCJB II 28 09 02 48.8–.27 35.33N–.03 81.50E–.06 15 4.0b,3.4s
BJI II 28 09 02 51.6 35.50N 81.50E 10 4.4b,4.3L
NNC II 28 09 02 52.0–3.4 35.72N 81.80E 0 4.3,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=12.8km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.5km az=161.9.
NNC Error ellipse: s-maj=39.1km s-min=24.3km az=143.0.
ISC II 28 14 48 49.7–2.9 39.9N–.10 78.6E–.10 10 7 2-7
ISCJB II 28 14 48 46.0–1.8 39.89N–.09 78.7E–.10 10 **¶12933868**
NNC II 28 14 48 49.3–16 40.10N 78.93E 0 3.8b,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=9.6km az=38.3.
NNC Error ellipse: s-maj=139.5km s-min=108.4km az=173.0.
ISC II 28 16 06 26.0–1.0 39.48N–.07 74.10E–.06 10 3.6b 27 1-84
IDC II 28 16 06 25.0–.98 39.36N 73.84E 0 3.8,3.8s **¶12702121**
NNC II 28 16 06 32.0–3.6 39.84N 73.70E 0 3.5b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=13.2km az=98.0.
NNC Error ellipse: s-maj=28.1km s-min=12.8km az=171.0.
ISC III 01 05 32 55.1–.49 39.50N–.04 74.22E–.04 14–3 4.5b,3.7s 352 1-149
BJI III 01 05 32 52.5 39.65N 74.22E 5 4.7b,4.6b **¶13435240**
NEIC III 01 05 32 54.1–.19 39.43N 74.35E 14 4.7b,4.6b
IDC III 01 05 32 54.3–.63 39.52N 74.41E 12–3 4.4,4.3b
MOS III 01 05 32 55.7–1.3 39.48N 74.33E 33 4.7b,4.3b
ISCJB III 01 05 32 55.3–.97 39.44N–.02 74.35E–.03 32–7 4.4b,3.6s
NNC III 01 05 32 57.9–.71 40.00N 74.34E 0 4.5b,4.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.3km az=46.0.
IDC Error ellipse: s-maj=13.0km s-min=10.4km az=129.0.
MOS Error ellipse: s-maj=7.8km s-min=4.4km az=122.8.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.4km az=139.6.
NNC Error ellipse: s-maj=6.7km s-min=3.0km az=3.0.
ISC III 01 05 50 30.2–.83 39.76N–.07 75.35E–.06 19 3.7b 31 1-78
IDC III 01 05 50 26.1–1.5 39.47N 75.26E 0 3.6b,3.6 **¶12702165**
NNC III 01 05 50 32.0–.74 40.05N 75.25E 14–3 3.8b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=17.6km az=136.0.
NNC Error ellipse: s-maj=5.5km s-min=3.1km az=7.0.
ISC III 02 00 16 16.5–2.3 39.4N–.20 74.94E–.06 10 20 1-5
ISCJB III 02 00 16 17.0–1.6 39.4N–.10 75.02E–.07 10 **¶12933991**
NNC III 02 00 16 20.4–4.5 39.62N 74.96E 8–27 3.7b,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=6.3km az=17.6.
NNC Error ellipse: s-maj=39.3km s-min=19.1km az=167.0.
ISC III 02 14 21 56.3–.89 40.77N–.07 79.35E–.07 10 28 3-76
IDC III 02 14 21 56.0–2.0 40.72N 79.31E 0 3.7,3.6 **¶12702268**
BJI III 02 14 21 56.0 40.82N 79.41E 17 3.9b,3.5L
NNC III 02 14 21 57.9–1.5 41.01N 79.22E 0 4.1b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=18.6km az=169.0.
NNC Error ellipse: s-maj=12.4km s-min=7.6km az=162.0.
ISC III 03 06 00 36.0–1.3 39.4N–.10 75.23E–.06 10 3.5b 23 1-78
IDC III 03 06 00 33.9–1.4 39.56N 75.18E 0 3.5b,3.5 **¶12702330**
ISCJB III 03 06 00 34.5–1.0 39.38N–.08 75.04E–.07 10 3.3b,3.5
NNC III 03 06 00 37.7–3.2 39.64N 75.21E 0 3.7b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=16.7km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.7km az=17.5.
NNC Error ellipse: s-maj=28.1km s-min=18.8km az=139.0.
ISC III 03 21 47 18.5–4.1 39.18N–.06 75.22E–.07 9–27 3.4b 63 1-81
IDC III 03 21 47 16.8–.98 39.22N 75.38E 0 3.6,3.5 **¶12054461**
NEIC III 03 21 47 21.8–.54 39.02N 74.94E 49–15 4.1b,3.5
NNC III 03 21 47 21.8–11 39.28N 74.74E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=16.7km az=128.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=4.4km az=59.0.
NNC Error ellipse: s-maj=102.4km s-min=61.0km az=159.0.
ISC III 07 19 26 50.7–1.1 35.50N–.08 81.5E–.10 10 15 6-74
IDC III 07 19 26 45.2–8.4 35.26N 81.91E 0 3.7b,3.5 **¶12702659**
ISCJB III 07 19 26 48.1–.50 35.55N–.05 81.7E–.10 10 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC III 13 23 05 31.0–.73 37.47N–.07 77.92E–.08 17 3.6b 27 3-80
IDC III 13 23 05 26.2–1.8 37.23N 77.97E 0 3.7b,3.7 **¶12703203**
BJI III 13 23 05 29.2 37.46N 77.97E 15 4.3b,3.5L
ISCJB III 13 23 05 31.3–.91 37.68N–.07 78.02E–.08 17 3.5b,3.5L
NNC III 13 23 05 35.7–1.9 37.91N 79.13E 0 3.7b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=21.6km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=9.2km az=141.8.
NNC Error ellipse: s-maj=28.2km s-min=9.4km az=124.0.
ISC III 16 01 47 02.0–2.8 36.2N–.20 81.8E–.10 35 7 6-22
BJI III 16 01 46 50.5 35.70N 81.80E 9 3.7L **¶12703390**
IDC III 16 01 46 53.3–10 36.01N 80.95E 0 3.2L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=141.0km s-min=44.5km az=18.0.
BJI III 16 05 47 52.1 35.70N 81.70E 10 3.6L
¶13436408
IDC III 19 02 25 06.5–1.3 35.86N 81.31E 0 3.9,3.8b
¶12703633
IDC Error ellipse: s-maj=35.2km s-min=18.4km az=38.0.
ISC III 19 20 04 01.6–1.1 37.65N–.06 77.8E–.10 10 3.3b 17 2-80
IDC III 19 20 03 56.5–1.6 37.47N 77.56E 0 3.5,3.4b **¶12703720**
ISCJB III 19 20 03 59.5–.72 37.62N–.04 77.8E–.10 10 3.2b,3.4b
NNC III 19 20 04 05.3–6.3 36.90N 75.56E 0 4.2b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=22.7km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=6.3km az=175.6.
NNC Error ellipse: s-maj=47.4km s-min=38.3km az=150.0.
ISC III 22 22 36 00.8–1.7 39.7N–.10 75.8E–.10 19 19 2-78
NNC III 22 22 35 55.8–3.5 39.32N 75.40E 0 3.7b,3.3 **¶12635332**
IDC III 22 22 35 59.4–4.6 40.04N 75.23E 0 3.4,3.3b
ISC Event type ke.
NNC Error ellipse: s-maj=32.0km s-min=20.2km az=137.0.
IDC Error ellipse: s-maj=164.4km s-min=21.7km az=139.0.
ISC III 23 20 10 10.7–.71 41.25N–.07 88.43E–.07 35 3.6b 36 3-79
ISCJB III 23 20 10 08.6–.47 41.18N–.05 88.26E–.07 33 3.5b,2.5s **¶12635414**
BJI III 23 20 10 09.6 41.00N 88.30E 15 4.0b,3.9L
IDC III 23 20 10 10.1–.99 41.14N 88.41E 29–6 3.8L,3.7
NNC III 23 20 10 14.8–4.8 41.79N 88.30E 0 4.2,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.1km az=136.6.
IDC Error ellipse: s-maj=24.4km s-min=13.2km az=50.0.
NNC Error ellipse: s-maj=47.0km s-min=39.5km az=99.0.
ISC III 29 00 06 11.1–1.6 41.6N–.10 80.76E–.08 10 10 3-79
IDC III 29 00 06 07.7–1.4 41.63N 80.57E 0 3.4b,3.4 **¶12605030**
ISCJB III 29 00 06 09.8–1.3 41.67N–.08 80.78E–.10 10 3.0b,3.4
NNC III 29 00 06 11.5–4.6 42.00N 80.76E 0 3.6b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=23.9km az=122.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=8.1km az=144.0.
NNC Error ellipse: s-maj=44.1km s-min=14.6km az=151.0.
ISC III 30 11 56 42.6–.75 41.97N–.06 80.96E–.04 10 3.7b 44 3-82
IDC III 30 11 56 40.6–.89 42.17N 80.78E 0 3.9,3.7L **¶12605278**
ISCJB III 30 11 56 41.3–.60 42.11N–.06 80.96E–.06 10 3.6b,3.7L
BJI III 30 11 56 41.8 41.98N 80.84E 9 4.0L,3.7L
MOS III 30 11 56 44.6–1.5 42.25N 80.83E 33 4.1b,3.7L
NNC III 30 11 56 44.6–2.1 42.19N 80.77E 0 4.1b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=13.1km az=180.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.5km az=156.5.
MOS Error ellipse: s-maj=11.4km s-min=8.8km az=112.3.
NNC Error ellipse: s-maj=20.7km s-min=8.5km az=142.0.
ISC III 31 23 27 48.6–2.0 40.7N–.20 78.62E–.09 23 9 3-34
IDC III 31 23 27 45.4–2.4 40.78N 78.59E 0 3.2b,3.0 **¶12605564**
NNC III 31 23 27 50.7–3.1 40.94N 78.59E 0 3.4b,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=16.1km az=167.0.
NNC Error ellipse: s-maj=30.9km s-min=22.1km az=13.0.
NNC IV 03 02 29 58.3–2.7 41.76N 80.97E 0–12 3.8b,3.4
¶12605935
NNC Error ellipse: s-maj=19.9km s-min=9.8km az=133.0.
ISC IV 06 14 29 45.5–2.2 39.78N–.08 75.9E–.10 0–23 16 0-8
NNC IV 06 14 29 42.9–2.0 39.62N 75.81E 0 3.8b,3.4 **¶12606607**
ISC Event type ke.
NNC Error ellipse: s-maj=22.6km s-min=12.1km az=167.0.
ISC IV 08 06 57 47.5–.64 39.32N–.05 77.72E–.06 17 3.6b 41 1-82
IDC IV 08 06 57 44.8–.86 39.33N 77.36E 0 4.0,4.0s **¶12606870**
ISCJB IV 08 06 57 45.9–.44 39.33N–.03 77.89E–.07 17 4.1s,3.5b
BJI IV 08 06 57 46.7 39.42N 77.46E 3 3.6L,3.5b
NNC IV 08 06 57 47.7–3.3 39.59N 77.69E 0 3.9b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=13.3km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.4km az=0.7.
NNC Error ellipse: s-maj=31.5km s-min=21.8km az=18.0.
ISC IV 11 05 19 42.7–1.6 39.3N–.10 74.2E–.10 28 3.6b 19 3-78
ISCJB IV 11 05 19 41.1–1.2 39.29N–.08 74.1E–.10 28 3.6b **¶12607360**
NNC IV 11 05 19 44.6–3.7 39.69N 74.24E 4–26 3.6b,3.2
IDC IV 11 05 19 45.6–5.6 39.35N 74.47E 59–43 3.4,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=10.9km az=43.7.
NNC Error ellipse: s-maj=34.3km s-min=14.9km az=173.0.
IDC Error ellipse: s-maj=48.1km s-min=38.9km az=93.0.
ISC IV 12 12 23 21.1–1.2 39.49N–.09 74.1E–.10 28 3.5b 13 3-82
IDC IV 12 12 23 17.1–1.3 39.34N 73.78E 0 3.6,3.5 **¶12935095**
NNC IV 12 12 23 22.5–3.4 39.60N 73.74E 0 3.6b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=17.8km az=99.0.
NNC Error ellipse: s-maj=30.0km s-min=17.4km az=11.0.
ISC IV 12 23 35 23.2–.51 40.29N–.04 78.17E–.06 28 3.8b,3.0s 69 2-82
IDC IV 12 23 35 19.1–1.0 40.15N 77.86E 0 3.9,3.7 **¶12742219**
ISCJB IV 12 23 35 21.6–.32 40.13N–.03 78.07E–.06 28 3.7b,3.1s
BJI IV 12 23 35 21.7 40.26N 77.91E 10 4.4b,3.8L
MOS IV 12 23 35 22.6–1.4 40.14N 78.01E 33 4.1b,3.8L
NNC IV 12 23 35 24.6–2.1 40.43N 77.75E 0 3.6b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=16.9km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.8km az=151.9.
MOS Error ellipse: s-maj=11.3km s-min=5.5km az=111.4.
NNC Error ellipse: s-maj=18.2km s-min=16.1km az=166.0.
ISC IV 13 21 38 43.6–4.8 40.9N–.20 84.2E–.20 10 6 4-11
NNC IV 13 21 38 40.9–3.0 41.01N 84.61E 0 3.8b,3.5 **¶12590209**
BJI IV 13 21 38 48.4 41.22N 83.93E 6 3.5L,3.5
ISC Event type ke.
NNC Error ellipse: s-maj=26.8km s-min=16.0km az=149.0.
ISC IV 15 22 05 11.0–.64 39.59N–.07 74.06E–.05 28 3.6b 49 1-84
BJI IV 15 22 05 05.5 39.45N 73.50E 10 3.8L,3.8b **¶12597499**
NNC IV 15 22 05 06.5–.88 39.33N 73.65E 0 4.1b,3.9
IDC IV 15 22 05 07.5–1.1 39.34N 73.75E 0 3.8,3.7
ISC Event type ke.
NNC Error ellipse: s-maj=7.8km s-min=4.0km az=10.0.
IDC Error ellipse: s-maj=20.4km s-min=13.5km az=143.0.
ISC IV 16 08 20 23.9–5.5 40.1N–.40 78.2E–.20 23 9 3-7
NNC IV 16 08 20 27.3–6.4 40.44N 78.10E 0 3.5b,3.2 **¶12608445**
ISC Event type ke.
NNC Error ellipse: s-maj=57.7km s-min=43.0km az=176.0.
ISC IV 16 21 06 53.9–7.2 41.3N–.50 81.5E–.30 17 11 4-8
NNC IV 16 21 07 05.5–2.1 42.41N 80.69E 0 3.8b,3.4 **¶12610095**
ISC Event type ke.
NNC Error ellipse: s-maj=25.5km s-min=10.2km az=156.0.
ISC IV 19 04 28 16.8–3.4 41.0N–.20 78.25E–.10 10 12 2-10
NNC IV 19 04 28 20.0–2.0 41.22N 78.20E 9–12 3.8b,3.5 **¶12611750**
ISC Event type ke.
NNC Error ellipse: s-maj=13.6km s-min=11.3km az=129.0.
ISC IV 22 09 26 04.8–.30 40.00N–.03 77.20E–.02 30–2 4.9b,4.6s 524 1-155
LDG IV 22 09 25 58.4–.14 39.94N 77.30E 10 4.9b,4.3s **¶12645043**
NNC IV 22 09 26 00.9–.54 40.17N 77.16E 0 5.1b,4.8
IDC IV 22 09 26 00.3–.42 40.02N 77.26E 0 4.6,4.6
ISCJB IV 22 09 26 01.2–.13 39.97N–.02 77.25E–.02 18 4.8b,4.6s
BJI IV 22 09 26 02.5 40.10N 77.25E 25 5.2b,5.1L
SZGRF IV 22 09 26 02.1 39.18N 77.45E 33 5.0b,4.3s
NEIC IV 22 09 26 03.8–1.4 40.03N 77.23E 24–9 4.9b,4.3s
MOS IV 22 09 26 03.6–1.1 40.01N 77.22E 33 5.0b,4.5s
DJA IV 22 09 26 05.0–.30 40N–6.0 77E–5.0 10 6.1,5.7
GCMT IV 22 09 26 06.0–.20 40.21N 77.27E 16–0 5.0W,5.7
TEH IV 22 09 26 07.0 40.12N 77.21E 41 4.9L,5.7
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=5.3km az=19.0.
NNC Error ellipse: s-maj=4.9km s-min=3.6km az=149.0.
IDC Error ellipse: s-maj=10.0km s-min=9.0km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=144.5.
SZGRF Southern Xinjiang, China.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.6km az=167.0.
MOS Error ellipse: s-maj=6.5km s-min=3.4km az=122.6.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s37,c58; s75,c126; Moment tensor: Scale 10^{16}Nm; M_{rr}3.75±.19 $M_{\theta\theta}$-3.52±.13; $M_{\phi\phi}$-0.24±.12; $M_{r\theta}$-0.65±.37; $M_{\theta\phi}$-2.59±.11; $M_{\phi r}$1.42±.42; Best double couple: NP1:ϕ_s264.00000°,δ50.00000°,λ124.00000°. NP2:ϕ_s38.00000°,δ51.00000°,λ57.00000°. Principal axes: T 4.4900,Plg65.0000° ,Azm243.0000°; N 0.4500,Plg25.0000°,Azm61.0000°; P -4.9500,Plg1.0000°,Azm151.0000° $M_0$4.70000×10^{16}
ISC IV 23 05 57 48.3–.88 39.59N–.07 74.06E–.06 28 3.7b 30 1-84
BJI IV 23 05 57 43.5 39.55N 73.38E 7 3.9b,3.4L **¶12668798**
IDC IV 23 05 57 44.0–.90 39.41N 74.04E 0 3.9,3.7
NNC IV 23 05 57 44.8–2.1 39.49N 73.81E 0 3.9b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=12.6km az=86.0.
NNC Error ellipse: s-maj=17.2km s-min=12.3km az=3.0.
ISC IV 26 07 24 09.8–.76 38.94N–.07 75.23E–.09 10 3.9b 35 1-79
ISCJB IV 26 07 24 07.9–.52 38.84N–.05 75.16E–.09 10 3.8b,3.0s **¶12704856**
BJI IV 26 07 24 11.1 39.04N 75.25E 7 3.6L,3.0s
IDC IV 26 07 24 13.9–4.5 38.90N 75.39E 47–33 3.6,3.6b
NNC IV 26 07 24 14.9–1.4 39.51N 75.14E 8–3 3.8b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.0km az=156.4.
IDC Error ellipse: s-maj=35.9km s-min=24.0km az=159.0.
NNC Error ellipse: s-maj=13.3km s-min=5.6km az=9.0.
ISC IV 27 00 06 37.3–.39 38.99N–.03 75.33E–.05 10 4.5b 240 1-87
LDG IV 27 00 06 34.5–.17 38.87N 75.25E 10 4.5b **¶13439116**
ISCJB IV 27 00 06 35.2–.20 39.01N–.03 75.37E–.04 10 4.4b
IDC IV 27 00 06 36.1–.67 38.99N 75.28E 0 4.4,4.3
MOS IV 27 00 06 37.7–1.2 38.74N 75.30E 33 4.6b,4.3
BJI IV 27 00 06 37.1 39.01N 75.15E 20 4.4b,4.3L
NNC IV 27 00 06 41.9–2.6 39.19N 75.01E 0 4.5b,4.2
NEIC IV 27 00 06 42.4–1.0 39.02N 75.34E 53–8 4.7b,4.2
ISC Event type ke.

LDG Event type ke. Error ellipse: s-maj=14.7km s-min=4.4km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.1km az=140.4.
IDC Error ellipse: s-maj=13.5km s-min=12.6km az=71.0.
MOS Error ellipse: s-maj=8.2km s-min=4.4km az=111.2.
NNC Error ellipse: s-maj=21.2km s-min=13.6km az=165.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.9km az=165.0.
ISC IV 29 08 27 02.1–.38 39.63N–.04 74.06E–.04 28 4.3b,3.6s 176 1-98
IDC IV 29 08 26 57.8–.59 39.63N 74.02E 0 4.3,4.2 **¶12742610**
ISCJB IV 29 08 27 00.5–.21 39.57N–.02 74.07E–.04 28 4.3b,3.5s
MOS IV 29 08 27 01.7–1.5 39.61N 73.99E 33 4.5b,3.5s
NNC IV 29 08 27 02.8–2.4 39.96N 73.75E 11–9 4.6,4.5b
BJI IV 29 08 27 02.3 39.68N 73.95E 31 4.5b,4.4L
NEIC IV 29 08 27 03.7–.47 39.67N 74.12E 35 4.7b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=12.2km s-min=10.0km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=148.5.
MOS Error ellipse: s-maj=8.6km s-min=5.7km az=96.5.
NNC Error ellipse: s-maj=18.8km s-min=8.5km az=12.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.4km az=142.0.
ISC IV 30 12 46 24.7–1.8 40.3N–.20 79.26E–.08 10 3.7b 15 3-77
IDC IV 30 12 46 20.1–1.6 40.01N 79.07E 0 3.7,3.6b **¶12746926**
NNC IV 30 12 46 27.8–.69 40.76N 79.27E 0 4.0b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=22.1km az=175.0.
NNC Error ellipse: s-maj=5.9km s-min=3.0km az=160.0.
ISC IV 30 14 47 52.6–4.1 40.6N–.20 78.8E–.10 10 11 3-10
NNC IV 30 14 47 46.5–5.5 40.49N 79.01E 0 3.7b,3.3 **¶12746939**
ISC Event type ke.
NNC Error ellipse: s-maj=43.8km s-min=24.2km az=165.0.
ISC IV 30 19 20 39.2–.82 40.99N–.06 78.84E–.05 10 3.5b 32 2-76
NNC IV 30 19 20 32.7–1.4 40.79N 78.89E 0 4.2b,3.9 **¶12750019**
BJI IV 30 19 20 33.7 40.70N 78.94E 2 4.6b,4.0b
IDC IV 30 19 20 34.1–1.0 40.79N 78.96E 0 3.7,3.6
ISC Event type ke.
NNC Error ellipse: s-maj=11.3km s-min=5.7km az=169.0.
IDC Error ellipse: s-maj=14.6km s-min=14.4km az=83.0.
ISC IV 30 23 58 21.5–2.6 40.8N–.20 79.0E–.10 10 7 4-21
IDC IV 30 23 58 19.4–3.1 40.84N 78.94E 0 3.1,3.1 **¶12750057**
ISCJB IV 30 23 58 20.0–1.8 40.9N–.10 79.2E–.20 10 3.1,3.1
NNC IV 30 23 58 36.5–4.0 41.44N 79.89E 0 3.5b,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=35.2km s-min=17.0km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=22.1km s-min=13.0km az=137.4.
NNC Error ellipse: s-maj=35.2km s-min=22.5km az=82.0.
NNC V 01 08 32 41.5–3.2 40.42N 79.61E 0 3.6b,3.2
¶12750113
NNC Error ellipse: s-maj=26.7km s-min=12.3km az=165.0.
NNC V 01 22 41 38.9–3.4 40.94N 78.90E 0 3.5b,3.2
¶12750228
NNC Error ellipse: s-maj=27.6km s-min=15.2km az=158.0.
ISC V 02 13 11 17.2–5.2 40.8N–.10 79.9E–.30 10 10 3-7
BJI V 02 13 11 24.2 40.69N 78.91E 17 3.5L **¶12750314**
NNC V 02 13 11 30.0–7.4 40.65N 78.36E 0 4.0b,3.7
ISC Event type ke.
NNC Error ellipse: s-maj=77.6km s-min=58.2km az=73.0.
ISC V 03 23 43 18.8–.82 39.62N–.06 74.06E–.05 10 3.7b 37 1-84
IDC V 03 23 43 16.9–1.1 39.36N 73.82E 0 3.8,3.7 **¶13546564**
NNC V 03 23 43 23.4–2.2 39.75N 73.47E 0 3.8b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=12.6km az=118.0.
NNC Error ellipse: s-maj=22.2km s-min=8.9km az=14.0.
ISC V 04 04 09 36.5–4.4 40.7N–.30 78.7E–.10 10 13 2-14
NNC V 04 04 09 34.3–1.6 40.66N 78.85E 0 3.9b,3.5 **¶13546574**
ISC Event type ke.
NNC Error ellipse: s-maj=12.3km s-min=6.5km az=171.0.
ISC V 04 17 43 48.8–1.7 40.8N–.10 78.81E–.06 28 24 2-45
NNC V 04 17 43 41.0–2.1 40.66N 78.65E 0 3.8b,3.4 **¶13546609**
IDC V 04 17 43 45.0–1.6 40.83N 78.92E 0 3.4,3.3
ISC Event type ke.
NNC Error ellipse: s-maj=15.8km s-min=9.3km az=166.0.
IDC Error ellipse: s-maj=18.5km s-min=15.1km az=30.0.
ISC V 06 23 57 36.5–1.6 40.0N–.10 75.90E–.09 19 3.4b 19 2-78
IDC V 06 23 57 32.9–1.8 39.72N 75.73E 0 3.6,3.6b **¶13550203**
NNC V 06 23 57 36.0–6.0 39.94N 75.68E 0 3.8b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=20.7km az=107.0.
NNC Error ellipse: s-maj=67.3km s-min=37.7km az=162.0.
ISC V 13 05 39 15.7–2.0 39.44N–.10 76.3E–.20 10 10 3-15
NNC V 13 05 39 22.5–9.5 39.72N 75.64E 0 3.5b,3.1 **¶13568607**
ISC Event type ke.
NNC Error ellipse: s-maj=90.8km s-min=56.2km az=138.0.
NNC V 16 07 37 54.6–2.5 41.98N 80.88E 0 3.7b,3.4
¶13584231
NNC Error ellipse: s-maj=22.6km s-min=8.3km az=154.0.
ISC V 17 16 34 05.7–4.6 38.9N–.20 78.1E–.30 10 12 4-7
NNC V 17 16 34 16.8–12 39.27N 76.54E 0 3.6b,3.3 **¶13584300**
ISC Event type ke.
NNC Error ellipse: s-maj=111.1km s-min=74.3km az=122.0.
ISC V 17 18 11 52.5–5.1 38.7N–.30 76.6E–.20 10 13 4-6
NNC V 17 18 11 55.0–5.7 38.87N 76.70E 0 3.9b,3.5 **¶13584304**
ISC Event type ke.
NNC Error ellipse: s-maj=52.2km s-min=36.0km az=116.0.
ISC V 17 18 15 04.2–1.6 39.72N–.05 75.69E–.06 7–10 4.0b,3.5s 76 0-83
NNC V 17 18 14 58.0–5.6 39.01N 75.20E 0 4.2,4.1b **¶13439663**
IDC V 17 18 15 03.3–.74 39.59N 75.61E 0 4.0,3.8
BJI V 17 18 15 07.4 39.78N 75.50E 10 3.8L,3.7b
MOS V 17 18 15 07.6–.93 39.80N 75.49E 33 4.1b,3.7b
ISC Event type ke.
NNC Error ellipse: s-maj=54.0km s-min=31.4km az=140.0.
IDC Error ellipse: s-maj=15.7km s-min=12.0km az=69.0.
MOS Error ellipse: s-maj=14.9km s-min=8.4km az=94.9.
NNC V 18 20 52 50.3–4.7 41.76N 80.90E 0 3.8b,3.4
¶13584366
NNC Error ellipse: s-maj=42.1km s-min=19.8km az=143.0.
ISC V 20 14 43 55.6–.78 39.17N–.10 92.09E–.06 10 3.7b 21 6-82
ISCJB V 20 14 43 53.6–.57 39.15N–.07 91.93E–.06 10 3.5b **¶13598371**
IDC V 20 14 43 54.2–.82 39.02N 92.09E 0 3.7,3.6
BJI V 20 14 43 56.8 39.04N 92.11E 6 3.9L,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.3km az=26.1.
IDC Error ellipse: s-maj=28.2km s-min=15.5km az=49.0.
ISC V 23 22 53 33.0–.94 37.7N–.10 89.21E–.09 35 3.6b 18 6-88
IDC V 23 22 53 27.2–.93 37.49N 88.90E 0 3.9,3.8 **¶13679500**
BJI V 23 22 53 28.5 37.54N 88.92E 7 4.4b,4.4b
ISCJB V 23 22 53 31.2–.73 37.72N–.08 89.0E–.10 33 3.6b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC V 30 19 19 37.7–1.7 39.57N–.10 76.95E–.09 10 3.5b 25 1-38
NNC V 30 19 19 31.9–4.2 38.97N 76.42E 0 3.7b,3.4 **¶13193313**
IDC V 30 19 19 33.5–2.0 39.50N 76.70E 0 3.3,3.3L
BJI V 30 19 19 34.5 39.48N 77.00E 5 3.7L,3.3L
ISC Event type ke.
NNC Error ellipse: s-maj=38.1km s-min=27.2km az=130.0.
IDC Error ellipse: s-maj=27.2km s-min=21.2km az=23.0.
ISC V 30 23 24 03.7–.52 39.69N–.03 75.73E–.06 10 3.7b,3.0s 56 0-98
IDC V 30 23 24 01.3–.90 39.42N 75.65E 0 3.8,3.7b **¶13193356**
MOS V 30 23 24 04.3–1.4 39.49N 75.58E 33 4.1b,3.7b
BJI V 30 23 24 06.2 39.76N 75.84E 5 4.3b,3.8L
NNC V 30 23 24 08.4–4.2 39.99N 75.70E 0 4.0b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=14.5km az=78.0.
MOS Error ellipse: s-maj=21.4km s-min=9.3km az=97.1.
NNC Error ellipse: s-maj=38.3km s-min=24.8km az=148.0.
ISC V 31 00 42 59.0–3.7 39.7N–.20 76.52E–.10 10 22 3-78
NNC V 31 00 43 01.1–3.7 40.01N 76.16E 0 4.1b,3.7 **¶13193366**
IDC V 31 00 43 02.6–4.2 39.83N 76.31E 28–21 3.4,3.3
ISC Event type ke.
NNC Error ellipse: s-maj=37.4km s-min=23.3km az=157.0.
IDC Error ellipse: s-maj=35.5km s-min=25.6km az=19.0.
ISC VI 02 03 15 17.2–.57 38.13N–.05 75.01E–.10 135 3.7b 42 2-79
ISCJB VI 02 03 15 16.0–.34 38.15N–.03 75.05E–.08 135 3.6b **¶13193684**
IDC VI 02 03 15 18.5–4.2 38.22N 75.14E 134–27 3.9s,3.9
NNC VI 02 03 15 24.6–1.7 38.66N 74.74E 166–13 3.7,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.4km az=158.5.
IDC Error ellipse: s-maj=38.1km s-min=22.1km az=151.0.
NNC Error ellipse: s-maj=14.6km s-min=9.6km az=4.0.
ISC VI 05 11 13 17.8–.47 39.75N–.06 82.59E–.04 10 4.0b,3.5s 72 5-79
ISCJB VI 05 11 13 15.3–.28 39.77N–.03 82.64E–.05 10 3.9b,3.5s **¶13195141**
IDC VI 05 11 13 15.5–.66 39.72N 82.64E 0 4.1,4.0L
BJI VI 05 11 13 16.7 39.68N 82.58E 15 4.7L,4.7b
NNC VI 05 11 13 18.6–2.6 39.72N 82.60E 22–11 4.5b,4.3
MOS VI 05 11 13 19.0–1.1 39.85N 82.66E 33 4.2b,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=162.9.
IDC Error ellipse: s-maj=17.5km s-min=10.8km az=50.0.
NNC Error ellipse: s-maj=17.3km s-min=9.7km az=119.0.
MOS Error ellipse: s-maj=15.0km s-min=8.0km az=111.5.
ISC VI 05 16 38 03.0–.93 39.70N–.07 82.41E–.07 10 18 5-79
ISCJB VI 05 16 38 00.8–.64 39.80N–.05 82.36E–.09 10 3.4b **¶13195204**
IDC VI 05 16 38 01.1–1.3 39.81N 82.65E 0 3.4,3.3
BJI VI 05 16 38 03.0 39.71N 82.56E 15 4.2b,3.6L
NNC VI 05 16 38 09.3–3.7 40.14N 82.37E 9–14 3.8b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.1km az=26.9.
IDC Error ellipse: s-maj=37.7km s-min=15.8km az=69.0.
NNC Error ellipse: s-maj=27.0km s-min=14.1km az=120.0.
ISC VI 05 18 58 14.2–.55 39.69N–.05 82.57E–.05 10 3.7b,3.5s 47 5-90
ISCJB VI 05 18 58 12.6–.32 39.70N–.03 82.62E–.05 10 3.6b,3.5s **¶13195225**
NNC VI 05 18 58 12.6–3.5 39.55N 82.87E 9–13 4.2b,4.1
IDC VI 05 18 58 12.8–.78 39.70N 82.76E 0 3.9,3.8
BJI VI 05 18 58 13.5 39.71N 82.57E 16 4.5L,4.5b
MOS VI 05 18 58 16.2–1.2 39.77N 82.65E 33 4.0b,4.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.0km az=176.9.
NNC Error ellipse: s-maj=25.5km s-min=14.4km az=119.0.
IDC Error ellipse: s-maj=20.7km s-min=12.1km az=54.0.
MOS Error ellipse: s-maj=15.7km s-min=8.5km az=98.4.
NNC VI 06 18 17 40.0–3.5 40.02N 81.81E 0 3.5b,3.1
¶13195383
NNC Error ellipse: s-maj=32.0km s-min=23.9km az=82.0.
ISC VI 07 02 50 11.9–.42 39.09N–.04 91.75E–.03 11–2 4.7b,4.1s 316 6-151
IDC VI 07 02 50 08.7–.48 38.99N 92.05E 0 4.4,4.4 **¶13439963**
ISCJB VI 07 02 50 10.3–.18 39.14N–.03 91.84E–.03 9 4.6b,4.0s
MOS VI 07 02 50 10.0–1.5 39.01N 91.91E 14 4.8b,3.9s
NEIC VI 07 02 50 11.2–.26 39.03N 91.88E 10 4.7b,3.9s
BJI VI 07 02 50 12.5 38.98N 92.18E 10 4.9L,4.7b
TEH VI 07 02 50 13.0 39.08N 91.78E 10 4.8L,4.7b
NNC VI 07 02 50 15.1–1.3 39.67N 91.57E 0 4.7b,4.7b
DJA VI 07 02 50 16.1–.40 39N–8.0 92E–5.0 10 5.0,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VI 10 20 56 35.1–.91 39.47N–.07 74.04E–.06 10 3.8b 28 1-84
NNC VI 10 20 56 33.1–2.6 39.06N 73.43E 0 4.0b,3.8 **¶13196092**
IDC VI 10 20 56 34.7–.93 39.42N 73.89E 0 3.9,3.8
BJI VI 10 20 56 34.6 39.50N 73.63E 7 3.7b,3.6
ISC Event type ke.
NNC Error ellipse: s-maj=21.0km s-min=12.2km az=173.0.
IDC Error ellipse: s-maj=18.9km s-min=12.7km az=98.0.
ISC VI 27 03 05 24.2–1.1 41.00N–.09 87.95E–.10 35 3.9b 19 3-79
IDC VI 27 03 05 18.0–1.2 41.07N 88.27E 0 3.7,3.7 **¶13367211**
BJI VI 27 03 05 23.0 41.16N 88.10E 10 3.4L,3.7
NNC VI 27 03 05 24.0–10 41.56N 87.96E 0 3.8b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=45.2km s-min=17.9km az=56.0.
NNC Error ellipse: s-maj=77.8km s-min=53.9km az=129.0.

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ISC I 27 18 22 06.7–1.2 34.53N–.08 102.08E–.08 10 9 5-65
ISCJB I 27 18 22 03.2–.86 34.56N–.06 102.26E–.09 10 3.0s,2.9b **¶12082505**
IDC I 27 18 22 03.0–1.4 34.46N 102.51E 0 3.3,3.1
BJI I 27 18 22 06.9 34.48N 102.52E 12 4.0b,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.8km az=167.0.
IDC Error ellipse: s-maj=59.5km s-min=23.9km az=63.0.
IDC II 09 01 51 52.4–1.2 35.32N 106.79E 0 3.7,3.5
¶15955283
IDC Error ellipse: s-maj=47.3km s-min=21.8km az=58.0.
ISC II 27 21 11 01.4–1.1 36.83N–.09 103.7E–.10 35 9 1-23
IDC II 27 21 10 58.0–9.7 37.28N 103.72E 0 3.2,3.2 **¶12702048**
BJI II 27 21 10 57.7 37.17N 104.07E 19 3.6L,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=131.0km s-min=42.6km az=131.0.
ISC V 05 12 21 48.3–1.0 39.5N–.10 95.3E–.10 35 3.4b 9 3-72
IDC V 05 12 21 45.0–1.2 39.33N 95.71E 0 3.7,3.6 **¶13678393**
BJI V 05 12 21 46.8 39.42N 95.61E 6 3.5L,3.0s
ISCJB V 05 12 21 46.4–.82 39.5N–.10 95.5E–.10 33 3.4b,3.0s
ISC Event type ke.
ISCJB Event type ke.
ISC VI 04 05 12 58.0–1.1 39.42N–.09 100.95E–.06 10 7 1-18
ISCJB VI 04 05 12 55.4–.81 39.41N–.06 101.04E–.07 10 **¶13194931**
BJI VI 04 05 13 00.1 39.42N 100.96E 9 3.7s,3.6
IDC VI 04 05 13 01.4–9.6 39.79N 100.89E 0 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.6km az=34.1.
IDC Error ellipse: s-maj=118.1km s-min=39.4km az=148.0.
ISC VI 20 19 36 31.8–.91 37.59N–.06 102.29E–.05 10 12 2-21
ISCJB VI 20 19 36 32.2–.60 37.59N–.06 102.49E–.08 10 3.4b **¶13366416**
BJI VI 20 19 36 32.4 37.52N 102.29E 13 3.7L
IDC VI 20 19 36 33.6–1.7 37.56N 102.19E 0 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=5.3km az=139.4.
IDC Error ellipse: s-maj=30.0km s-min=24.5km az=75.0.
ISC VI 28 11 28 54.6–.75 34.08N–.07 103.69E–.06 10 3.6b 19 2-67
ISCJB VI 28 11 28 52.3–.63 34.08N–.06 103.77E–.07 10 3.6b **¶13367428**
IDC VI 28 11 28 52.2–.89 34.04N 103.86E 0 3.7,3.6
BJI VI 28 11 28 53.2 33.98N 103.62E 11 3.3s,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=7.0km az=139.5.
IDC Error ellipse: s-maj=43.1km s-min=17.6km az=55.0.

(323) Western Nei Mongol.

IDC I 01 15 54 50.2–5.4 39.34N 110.78E 0 3.7,3.6
¶12079761
IDC Error ellipse: s-maj=114.9km s-min=24.7km az=85.0.
IDC I 14 22 18 01.8–5.4 39.38N 110.81E 0 3.8,3.7b
¶12081296
IDC Error ellipse: s-maj=112.3km s-min=24.1km az=84.0.
ISC I 19 04 06 44.5–1.6 38.7N–.10 110.3E–.10 10 3.6b 4 2-66
IDC I 19 04 06 41.0–1.4 38.82N 110.53E 0 3.9,3.7b **¶12081709**
ISC Event type ke.

IDC Error ellipse: s-maj=45.5km s-min=20.6km az=65.0.
IDC I 28 01 02 16.3–1.8 39.42N 110.62E 0 3.9,3.7
¶12082525

IDC Error ellipse: s-maj=39.3km s-min=24.0km az=90.0.
IDC II 06 14 04 22.8–1.9 39.46N 110.50E 0 3.7,3.6
¶15955142

IDC Error ellipse: s-maj=39.8km s-min=23.8km az=88.0.
IDC II 16 11 32 54.0–6.0 39.41N 110.81E 0 3.5,3.4
¶15956266

IDC Error ellipse: s-maj=124.3km s-min=30.3km az=84.0.
ISC II 23 03 48 36.1–3.0 39.1N–.10 110.3E–.40 10 3.4b 6 2-63
IDC II 23 03 48 34.8–5.4 39.08N 110.25E 0 4.2,4.2s **¶15957028**
ISC Event type ke.
IDC Error ellipse: s-maj=113.5km s-min=24.9km az=86.0.
IDC II 27 10 20 14.0–5.5 39.10N 110.57E 0 3.8,3.6b
¶15957444

IDC Error ellipse: s-maj=112.4km s-min=24.1km az=86.0.
ISC III 25 17 00 44.9–.80 39.08N–.06 110.15E–.07 10 3.6b 18 2-73
ISCJB III 25 17 00 43.2–.61 39.07N–.05 110.13E–.08 10 3.5b **¶12635574**
IDC III 25 17 00 43.2–.84 39.02N 110.37E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.4km az=37.2.
IDC Error ellipse: s-maj=26.0km s-min=17.7km az=70.0.
BJI IV 01 02 39 00.4 36.55N 106.21E 6 3.5L
¶12605580
IDC IV 05 18 33 36.1–1.8 38.06N 104.16E 0 3.3,3.1
¶16152424

IDC Error ellipse: s-maj=66.0km s-min=31.8km az=63.0.
ISC IV 21 04 59 12.0–.78 37.47N–.05 106.37E–.04 10 17 2-66
IDC IV 21 04 59 07.8–1.3 37.45N 106.40E 0 3.5,3.3 **¶12668662**
BJI IV 21 04 59 11.6 37.57N 106.19E 10 3.3L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=55.1km s-min=20.9km az=72.0.
IDC V 01 09 36 28.7–.90 39.05N 110.75E 0 3.7,3.5
¶12750124

IDC Error ellipse: s-maj=31.9km s-min=15.2km az=67.0.
ISC V 06 15 54 53.7–.60 38.77N–.05 110.09E–.05 10 4.2s,4.0b 26 2-73
ISCJB V 06 15 54 51.9–.43 38.78N–.03 110.13E–.07 10 4.1s,3.9b **¶16155456**
IDC V 06 15 54 52.3–.72 38.74N 110.17E 0 4.1,4.0s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=179.1.
IDC Error ellipse: s-maj=22.6km s-min=14.9km az=54.0.
IDC V 07 23 11 08.8–1.8 39.44N 110.65E 0 4.3,4.3s
¶16155497

IDC Error ellipse: s-maj=40.7km s-min=24.7km az=90.0.
IDC V 26 00 47 08.0–1.2 38.70N 110.11E 0 3.7,3.5
¶16156165

IDC Error ellipse: s-maj=45.2km s-min=16.7km az=61.0.
ISC V 28 14 04 11.8–.81 37.54N–.06 106.36E–.05 10 3.8b 15 2-66
BJI V 28 14 04 07.3 37.20N 106.53E 7 3.7L **¶13679819**
IDC V 28 14 04 17.2–4.3 37.71N 106.65E 91–46 3.3,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=37.8km s-min=19.0km az=59.0.
BJI VI 02 01 00 58.9 40.01N 106.71E 6 3.6L,3.3s
¶13193671
IDC VI 12 17 00 14.5–1.0 39.22N 104.89E 0 3.5,3.3
¶13196451

IDC Error ellipse: s-maj=43.3km s-min=17.4km az=62.0.
BJI VI 24 20 07 28.1 40.24N 105.53E 9 3.7L,3.4s
¶13366841

ISC VI 26 11 07 01.0–.74 38.14N–.05 106.55E–.05 10 3.6b 16 3-67
ISCJB VI 26 11 06 59.2–.56 38.09N–.04 106.59E–.06 10 3.4b **¶13367106**
IDC VI 26 11 07 00.9–1.2 38.09N 106.39E 0 3.5,3.4
BJI VI 26 11 07 03.2 38.26N 106.57E 6 3.4L,3.2s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.5km az=29.7.
IDC Error ellipse: s-maj=67.2km s-min=19.3km az=56.0.

(324) Kashmir-Xinjiang border region.

ISC I 27 06 06 00.0–.52 36.16N–.03 76.42E–.06 10 4.0b 73 3-81
ISCJB I 27 06 05 55.8–.32 36.16N–.03 76.35E–.07 10 3.9b **¶11677708**
IDC I 27 06 05 56.7–1.1 36.24N 76.08E 0 4.0,4.0L
NEIC I 27 06 06 01.4–.62 36.18N 76.39E 37–9 4.0b,4.0L
NNC I 27 06 06 06.1–4.2 36.83N 76.52E 33 4.1b,4.0
BJI I 27 06 06 07.7 36.96N 77.15E 10 4.4b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.6km az=159.7.
IDC Error ellipse: s-maj=26.3km s-min=20.8km az=28.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.4km az=61.0.
NNC Error ellipse: s-maj=35.7km s-min=20.5km az=1.0.
ISC III 04 16 48 19.9–.53 36.56N–.04 77.42E–.06 96 3.5b 65 3-81
ISCJB III 04 16 48 18.7–.29 36.60N–.02 77.28E–.06 96 3.6b **¶12054464**
IDC III 04 16 48 23.0–.91 36.75N 77.11E 112–6 3.4,3.3b
NNC III 04 16 48 25.5–3.9 37.69N 77.03E 0 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.3km az=169.9.
IDC Error ellipse: s-maj=18.1km s-min=12.8km az=48.0.
NNC Error ellipse: s-maj=34.1km s-min=16.4km az=166.0.
ISC III 08 17 02 08.8–.45 36.02N–.04 78.17E–.05 125–4 4.1b 218 4-90
MOS III 08 17 02 06.6–.84 36.11N 77.93E 111 4.6b **¶13435757**
NEIC III 08 17 02 07.5–.36 36.10N 78.02E 107–5 4.6b
ISCJB III 08 17 02 07.1–.32 36.10N–.02 77.98E–.04 118–4 4.1b
NNC III 08 17 02 09.1–1.6 36.85N 77.73E 0 4.2,4.2b
IDC III 08 17 02 10.1–.75 36.09N 77.90E 126–5 3.9,3.8
BJI III 08 17 02 10.8 36.41N 78.13E 126 4.0b,3.8
ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=5.2km az=111.3.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=3.4km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.1km az=171.2.
NNC Error ellipse: s-maj=12.6km s-min=7.7km az=167.0.
IDC Error ellipse: s-maj=15.3km s-min=9.8km az=30.0.
ISC III 16 18 40 52.9–1.8 36.05N–.03 77.18E–.05 7–11 4.1b 157 4-81
ISCJB III 16 18 40 51.3–1.3 36.09N–.02 77.32E–.04 11–8 4.0b **¶12703445**
IDC III 16 18 40 52.3–.67 36.13N 77.09E 0 4.1,3.9
BJI III 16 18 40 54.1 35.80N 77.10E 105 4.2b,3.9
NEIC III 16 18 40 55.6–2.9 36.12N 77.09E 20–20 4.6b,3.9
MOS III 16 18 40 55.4–1.3 36.12N 77.02E 33 4.9b,3.9
NNC III 16 18 41 01.3–1.4 36.95N 77.07E 0 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.3km az=155.0.
IDC Error ellipse: s-maj=18.9km s-min=14.3km az=46.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=9.1km az=188.0.
MOS Error ellipse: s-maj=11.9km s-min=6.0km az=113.3.
NNC Error ellipse: s-maj=11.1km s-min=6.0km az=171.0.
ISC III 22 13 10 23.2–.84 36.20N–.07 77.0E–.10 10 3.4b 12 3-81
ISCJB III 22 13 10 22.0–.78 36.25N–.06 77.2E–.10 10 3.4b **¶12635287**
IDC III 22 13 10 22.6–1.1 36.26N 77.14E 0 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=8.7km az=0.6.
IDC Error ellipse: s-maj=25.3km s-min=17.5km az=71.0.
ISC V 06 04 50 09.6–2.0 36.4N–.10 78.0E–.10 35 11 4-18
ISCJB V 06 04 50 07.1–2.0 36.3N–.10 78.2E–.30 33 **¶13550144**
BJI V 06 04 50 10.8 36.32N 78.12E 30 3.6L
NNC V 06 04 50 19.5–4.6 37.11N 77.98E 80–106 3.2b,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.3km s-min=9.3km az=23.0.
NNC Error ellipse: s-maj=41.5km s-min=20.7km az=166.0.
ISC V 10 10 17 46.9–1.0 36.18N–.08 77.0E–.10 10 3.7b 14 7-81
ISCJB V 10 10 17 44.8–.76 36.16N–.06 77.2E–.10 10 3.6b **¶13553135**
IDC V 10 10 17 46.9–2.1 36.27N 76.82E 0 3.9,3.8b
DMN V 10 10 19 15.8–10 31.02N 82.19E 10 3.9,3.8b

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=7.2km az=166.0.
IDC Error ellipse: s-maj=34.2km s-min=29.1km az=34.0.
DMN Event type ke. Error ellipse: s-maj=322.2km s-min=26.8km az=149.0.
ISC V 21 12 33 55.0–.22 36.22N–.03 77.50E–.02 94–1 5.4b 1168 4-155
SZGRF V 21 12 33 49.8 36.64N 77.70E 33 5.4b,3.7s **¶13193068**
NNC V 21 12 33 50.5–4.2 35.84N 77.24E 104–34 5.7,4.9b
LDG V 21 12 33 52.4–.19 36.11N 77.66E 102 5.6b,3.5s
ISCJB V 21 12 33 52.3–.28 36.24N–.01 77.52E–.02 82–2 5.3b,3.5s
MOS V 21 12 33 53.5–.88 36.25N 77.51E 93 5.5b,3.5s
BJI V 21 12 33 54.3 36.37N 77.72E 89 5.2b,5.1b
BGS V 21 12 33 54.4–1.3 36.22N 77.80E 100 5.3b,5.1b
TEH V 21 12 33 54.0 36.21N 77.49E 84 5.4L,5.1b
DJA V 21 12 33 55.0–1.1 36N–8.0 78E–7.0 73–16 6.4,5.8
NEIC V 21 12 33 55.7–.10 36.27N 77.54E 99 5.5b,5.8
IDC V 21 12 33 55.8–.36 36.30N 77.54E 98–2 5.0,5.0
GCMT V 21 12 33 58.2–.20 36.28N 77.62E 114–1 5.1W,5.0
ISC Event type ke.
SZGRF Kashmir-Xinjiang border region.
NNC Error ellipse: s-maj=48.0km s-min=29.5km az=88.0.
LDG Event type ke. Error ellipse: s-maj=11.6km s-min=6.7km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=36.1.
MOS Error ellipse: s-maj=5.6km s-min=2.8km az=121.8.
BGS Error ellipse: s-maj=327.0km s-min=447.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.2km az=23.0.
IDC Error ellipse: s-maj=8.9km s-min=6.7km az=34.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s51,c61; s87,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}4.88±.11 $M_{\theta\theta}$-5.85±.14; $M_{\phi\phi}$0.97±.14; $M_{r\theta}$0.55±.14; $M_{\theta\phi}$-0.59±.14; $M_{\phi r}$-0.89±.11; Best double couple: NP1:ϕ_s252.00000°,δ44.00000°,λ71.00000°. NP2:ϕ_s97.00000°,δ49.00000°,λ107.00000°. Principal axes: T 5.1100,Plg77.0000° ,Azm74.0000°; N 0.8100,Plg13.0000°,Azm266.0000°; P -5.9200,Plg3.0000°,Azm175.0000° M_o5.50000×10^{16}

(325) Qinghai.

ISC I 02 15 47 07.0–1.5 37.6N–.20 96.27E–.09 10 3.5b 7 3-70
IDC I 02 15 47 08.0–1.6 37.62N 96.08E 0 3.6,3.5s **¶12079832**
ISC Event type ke.
IDC Error ellipse: s-maj=49.7km s-min=25.0km az=52.0.
ISC I 03 08 51 02.4–.81 37.28N–.08 96.47E–.06 10 3.8b 22 3-81
IDC I 03 08 50 58.2–.98 37.09N 96.83E 0 3.9L,3.8 **¶12079882**
NEIC I 03 08 51 00.0–.58 37.17N 96.79E 10 4.0b,3.8
BJI I 03 08 51 01.2 37.36N 96.62E 26 3.7L,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=17.4km az=51.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.6km az=223.0.
ISC I 05 21 52 53.6–.52 33.17N–.04 100.86E–.04 10 3.8b 44 3-80
ISCJB I 05 21 52 51.5–.40 33.14N–.04 100.82E–.05 10 3.8b,3.1s **¶12080416**
IDC I 05 21 52 51.3–.94 33.08N 100.69E 0 3.8,3.6b
NEIC I 05 21 52 53.0–3.7 33.16N 100.79E 10–26 4.1b,3.6b
BJI I 05 21 52 57.1 33.20N 100.87E 8 4.0s,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.7km az=148.3.
IDC Error ellipse: s-maj=31.6km s-min=17.4km az=59.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.4km az=72.0.
IDC I 08 14 26 20.1–32 33.41N 100.32E 0 3.1b,3.1
¶12080746

IDC Error ellipse: s-maj=459.1km s-min=80.0km az=156.0.
BJI I 22 17 56 40.8 37.39N 100.66E 12 3.5L
¶13433933

ISC II 12 09 22 51.4–1.3 35.76N–.07 99.62E–.07 10 3.3b 11 3-78
BJI II 12 09 22 45.5 35.56N 99.26E 17 3.8L **¶12700222**
ISCJB II 12 09 22 47.0–.80 35.97N–.05 99.56E–.06 10 3.5b
IDC II 12 09 22 48.0–1.2 35.95N 99.27E 0 3.9L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=6.4km az=37.7.
IDC Error ellipse: s-maj=49.7km s-min=21.4km az=68.0.
ISC II 21 18 11 34.7–.85 33.10N–.09 92.0E–.10 14 3.6b 19 7-83
ISCJB II 21 18 11 32.8–.61 33.08N–.06 92.02E–.10 14 3.4b **¶12083346**
IDC II 21 18 11 32.8–.92 33.02N 92.02E 0 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=7.4km az=26.8.
IDC Error ellipse: s-maj=37.2km s-min=18.5km az=55.0.
ISC III 04 18 16 44.6–.78 37.72N–.09 96.06E–.05 12 3.7b 20 3-77
ISCJB III 04 18 16 42.5–.61 37.64N–.07 95.93E–.06 12 3.5b **¶12702444**
BJI III 04 18 16 42.6 37.40N 95.88E 9 3.8L,3.6s
IDC III 04 18 16 42.6–.94 37.63N 96.10E 0 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.1km az=20.8.
IDC Error ellipse: s-maj=26.7km s-min=17.5km az=41.0.
ISC III 08 08 47 36.8–.75 37.74N–.08 96.03E–.05 12 3.7b 22 3-77
ISCJB III 08 08 47 35.6–.62 37.81N–.07 96.04E–.06 12 3.7s,3.7b **¶12702702**
BJI III 08 08 47 38.4 37.65N 95.98E 9 3.6L,3.4s
IDC III 08 08 47 42.2–3.6 37.76N 95.97E 51–34 3.8L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.3km az=163.6.
IDC Error ellipse: s-maj=21.4km s-min=15.6km az=32.0.
ISC III 25 14 07 21.6–.83 35.29N–.09 90.8E–.10 35 3.6b 11 6-82
IDC III 25 14 07 15.9–1.1 35.17N 90.98E 0 3.8,3.7b **¶12635563**
ISCJB III 25 14 07 20.1–.75 35.34N–.09 90.7E–.10 33 3.5b,3.2s
ISC Event type ke.
ISCJB Event type ke.
ISC III 29 14 42 17.3–.78 38.5N–.10 91.49E–.09 35 3.4b 15 11-82
IDC III 29 14 42 13.4–.85 38.27N 91.76E 0 3.8L,3.8 **¶12605154**
ISCJB III 29 14 42 14.8–.70 38.47N–.07 91.33E–.10 33 3.4b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC IV 03 12 52 41.6–50 33.38N 97.83E 0 3.3L,3.2
¶16152309

IDC Error ellipse: s-maj=688.3km s-min=83.0km az=169.0.
ISC IV 06 05 34 13.1–.69 34.34N–.07 93.15E–.09 10 3.8b 16 5-84
BJI IV 06 05 34 11.9 34.23N 93.28E 10 4.3b,4.1b **¶12606511**
IDC IV 06 05 34 12.0–1.1 34.38N 93.20E 0 3.7,3.7L
ISCJB IV 06 05 34 12.1–.49 34.45N–.06 93.16E–.08 10 3.6b,3.2s
ISC Event type ke.
ISCJB Event type ke.
BJI IV 09 07 58 45.9 35.90N 92.65E 6 4.2b,3.4L
¶12607024

ISC IV 09 08 40 12.7–.76 35.63N–.08 92.49E–.07 35 3.9s,3.4b 19 7-83
IDC IV 09 08 40 07.6–.82 35.68N 92.65E 0 3.8,3.8s **¶12607029**
BJI IV 09 08 40 09.6 35.91N 92.82E 10 4.5b,3.8s
ISCJB IV 09 08 40 10.6–.60 35.68N–.07 92.58E–.07 33 3.9s,3.4b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 09 21 40 32.0–.58 33.18N–.06 93.58E–.09 10 4.1b,3.2s 39 4-89
ISCJB IV 09 21 40 30.8–.35 33.24N–.04 93.51E–.05 10 4.1b,3.5s **¶12607130**
IDC IV 09 21 40 31.2–.63 33.25N 93.62E 0 4.0,3.9
BJI IV 09 21 40 32.2 33.45N 93.40E 10 4.3b,4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.7km az=39.6.
IDC Error ellipse: s-maj=24.6km s-min=13.5km az=45.0.
ISC IV 14 23 41 49.9–.94 33.3N–.10 90.9E–.20 35 3.6b 7 4-82
IDC IV 14 23 41 45.5–1.3 33.25N 90.94E 0 3.6,3.6b **¶16152796**
ISCJB IV 14 23 41 47.9–.79 33.32N–.08 90.9E–.20 33 3.5b,3.6b
ISC Event type ke.
ISCJB Event type ke.
IDC IV 20 21 43 12.9–8.6 36.99N 96.31E 0 3.2,3.2
¶12668601

IDC Error ellipse: s-maj=115.5km s-min=47.3km az=170.0.
IDC IV 23 17 18 37.5–1.2 37.71N 99.45E 0 3.7,3.6L
¶12692904

IDC Error ellipse: s-maj=40.3km s-min=20.9km az=76.0.

IDC V 10 00 01 53.0–1.5 36.18N 101.81E 0 3.6,3.4 ¶16155562
IDC Error ellipse: s-maj=39.9km s-min=23.1km az=45.0.
ISC V 13 20 09 21.6–.60 33.24N–.08 93.21E–.07 35 3.7b,3.3s 32 4-84
IDC V 13 20 09 15.8–.78 33.16N 93.26E 0 3.8,3.7 ¶13439567
BJI V 13 20 09 15.5 33.26N 93.32E 13 4.5b,4.3s
ISCJB V 13 20 09 19.5–.38 33.24N–.05 93.27E–.06 33 3.7b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC V 19 18 36 12.5–.42 35.21N–.06 91.47E–.06 35 4.2b,4.0s 63 6-152
IDC V 19 18 36 07.3–.52 35.06N 91.28E 0 4.1,4.0 ¶13439711
BJI V 19 18 36 08.5 35.20N 91.18E 9 4.7b,4.1s
ISCJB V 19 18 36 10.5–.30 35.20N–.03 91.41E–.06 33 4.2b,3.4s
MOS V 19 18 36 10.5–1.2 35.17N 91.37E 33 4.3b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=11.3km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.8km az=13.6.
MOS Error ellipse: s-maj=15.6km s-min=8.5km az=109.2.
ISC V 28 17 23 20.7–.48 34.39N–.07 93.14E–.05 35 3.8b,3.7s 41 5-150
IDC V 28 17 23 14.9–.66 34.15N 93.17E 0 4.0,3.9 ¶13679834
BJI V 28 17 23 17.0 34.35N 93.17E 15 4.7b,4.4b
ISCJB V 28 17 23 18.2–.33 34.36N–.04 93.19E–.04 33 3.9b,3.8s
ISC Event type ke.
ISCJB Event type ke.
ISC VI 17 09 00 57.5–.57 36.52N–.05 99.92E–.05 10 4.1b 37 3-145
ISCJB VI 17 09 00 55.5–.41 36.57N–.05 100.00E–.05 10 4.1b ¶13197302
IDC VI 17 09 00 55.6–.56 36.51N 99.95E 0 4.2,4.1
BJI VI 17 09 00 58.5 36.54N 99.97E 7 4.3b,4.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.2km az=13.8.
IDC Error ellipse: s-maj=20.9km s-min=13.0km az=50.0.
ISC VI 17 17 39 15.7–.94 33.16N–.09 92.4E–.10 35 3.5b 13 8-72
IDC VI 17 17 39 10.7–1.1 33.08N 92.26E 0 3.6,3.5 ¶16101443
ISCJB VI 17 17 39 13.4–.76 33.15N–.07 92.3E–.10 33 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC VI 21 04 46 22.8–.40 35.98N–.05 90.08E–.04 10 4.2b,4.2s 115 6-152
IDC VI 21 04 46 20.5–.61 35.80N 90.04E 0 4.2,4.1 ¶13366461
ISCJB VI 21 04 46 21.2–.27 36.00N–.03 90.11E–.04 10 4.2s,4.1b
NEIC VI 21 04 46 22.3–.38 35.89N 90.07E 10 4.4b,4.1b
MOS VI 21 04 46 23.8–.94 35.77N 90.00E 33 4.4b,4.1s
BJI VI 21 04 46 25.4 36.06N 90.29E 6 4.6s,4.6b
GCMT VI 21 04 46 28.2–.30 36.05N 90.31E 18–1 4.9W,4.6b
DMN VI 21 04 47 20.5–5.0 31.81N 88.62E 10 4.6b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=13.0km az=38.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=18.4.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.3km az=46.0.
MOS Error ellipse: s-maj=10.3km s-min=6.5km az=112.3.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s21,c28; s68,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}0.18±.15 $M_{\theta\theta}$-1.25±.13; $M_{\phi\phi}$1.08±.13; $M_{r\theta}$0.38±.29; $M_{\theta\phi}$2.89±.11; $M_{\phi r}$-0.25±.27; Best double couple: NP1:ϕ_s349.00000°,δ85.00000°,λ-175.00000°. NP2:ϕ_s259.00000°,δ85.00000°,λ-5.00000°. Principal axes: T 3.0300,Plg0.0000° ,Azm304.0000°; N 0.2400,Plg82.0000°,Azm35.0000°; P -3.2600,Plg8.0000°,Azm214.0000° $M_0$3.20000×10^{16}
DMN Event type ke. Error ellipse: s-maj=123.1km s-min=15.6km az=31.0.
ISC VI 21 20 22 38.1–.88 33.69N–.09 95.5E–.10 35 3.6b 19 9-86
IDC VI 21 20 22 32.2–.96 33.44N 95.42E 0 3.6,3.5 ¶13278793
ISCJB VI 21 20 22 35.8–.65 33.65N–.06 95.46E–.10 33 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke.

SEISMIC REGION 28.
Alma-Ata to Lake Baikal.

(326) Southwestern Siberia.
NNC I 04 09 51 26.0–2.9 53.99N 85.56E 0 3.6b,3.2 ¶12698647
NNC Error ellipse: s-maj=25.4km s-min=11.5km az=58.0.
NNC I 05 09 17 53.0–4.0 53.94N 87.04E 0–20 3.6b,3.2 ¶12698696
NNC Error ellipse: s-maj=28.6km s-min=23.7km az=58.0.
NNC I 08 09 28 15.4–4.7 54.17N 85.74E 22–27 3.6b,3.2 ¶12581632
NNC Error ellipse: s-maj=30.5km s-min=23.0km az=62.0.
NNC I 13 08 21 12.3–2.0 54.14N 85.84E 34–21 3.7b,3.4 ¶12698828
NNC Error ellipse: s-maj=14.1km s-min=8.1km az=54.0.
NNC I 20 07 37 01.8–4.4 53.80N 86.08E 0 3.5b,3.0 ¶12612211
NNC Error ellipse: s-maj=37.4km s-min=22.9km az=64.0.
IDC I 20 07 45 53.3–2.0 54.01N 86.35E 0 3.2L,3.1 ¶12081850
IDC Error ellipse: s-maj=17.2km s-min=7.0km az=80.0.
NNC I 21 16 14 12.7–2.5 50.23N 87.39E 0 3.7b,3.3 ¶12699043
NNC Error ellipse: s-maj=19.5km s-min=12.2km az=76.0.
IDC I 27 08 27 02.5–2.3 54.01N 86.71E 0 2.8L,2.8 ¶12082458
IDC Error ellipse: s-maj=20.4km s-min=8.8km az=80.0.
ISC I 27 09 40 56.8–3.5 54.3N–.20 87.8E–.20 10 8 2-10
IDC I 27 09 40 59.1–2.6 54.26N 87.29E 0 3.2,3.2 ¶12082464
NNC I 27 09 41 03.2–2.1 53.53N 87.77E 0 3.2b,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=10.0km az=74.0.
NNC Error ellipse: s-maj=16.8km s-min=11.3km az=12.0.
ISC I 27 11 11 16.5–3.4 54.3N–.20 86.5E–.20 10 10 1-10
IDC I 27 11 11 10.9–2.7 54.38N 86.76E 0 3.0,3.0 ¶12082467
NNC I 27 11 11 10.2–10 54.10N 87.17E 0 3.2b,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=22.7km s-min=9.1km az=67.0.
NNC Error ellipse: s-maj=80.8km s-min=65.8km az=42.0.
IDC I 27 13 06 18.8–2.7 54.25N 87.56E 0 2.9L,2.9 ¶12082478
IDC Error ellipse: s-maj=23.3km s-min=12.1km az=71.0.
NNC I 29 10 40 24.8–2.7 53.38N 87.27E 25–18 3.7b,3.4 ¶12790579
NNC Error ellipse: s-maj=19.5km s-min=10.1km az=60.0.
IDC I 30 05 06 18.4–2.1 54.05N 86.53E 0 3.2,3.2 ¶12082716
IDC Error ellipse: s-maj=18.9km s-min=7.3km az=79.0.
IDC I 30 06 16 55.4–3.3 53.94N 89.91E 0 2.9L,2.9 ¶12082721
IDC Error ellipse: s-maj=31.2km s-min=20.3km az=71.0.
ISC II 06 09 02 54.2–1.2 54.0N–.10 90.80E–.10 10 3.3b 15 4-79
ISCJB II 06 09 02 51.6–.00 53.84N–.09 91.0E–.20 10 3.3b ¶12699657
IDC II 06 09 02 52.3–1.2 53.88N 91.02E 0 3.6,3.6L
NNC II 06 09 02 54.0–1.2 53.55N 90.97E 0 4.0b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.7km s-min=7.9km az=44.1.
IDC Error ellipse: s-maj=24.5km s-min=11.3km az=139.0.
NNC Error ellipse: s-maj=10.4km s-min=8.8km az=126.0.
IDC II 07 20 11 03.6–677 56.08N 76.71E 0 ¶15955192
IDC Error ellipse: s-maj=227.7km s-min=55.6km az=110.0.
NNC II 09 09 18 06.8–2.7 54.03N 85.66E 0 3.5b,3.1 ¶12835629
NNC Error ellipse: s-maj=24.9km s-min=11.8km az=62.0.
NNC II 10 09 34 21.0–3.6 54.15N 86.83E 25–25 3.5b,3.2 ¶12835689
NNC Error ellipse: s-maj=26.5km s-min=17.2km az=65.0.
NNC II 13 05 06 55.5–1.3 53.71N 87.08E 0 3.6b,3.2 ¶12835834
NNC Error ellipse: s-maj=10.6km s-min=6.6km az=63.0.
MOS II 14 10 16 58.2–1.5 52.89N 96.41E 10 4.3b ¶14012074
MOS Error ellipse: s-maj=78.6km s-min=30.6km az=10.2.
NNC II 14 11 51 22.4–2.7 53.94N 86.89E 0 3.6b,3.1 ¶12835860
NNC Error ellipse: s-maj=19.7km s-min=17.2km az=55.0.
NNC II 18 09 32 31.6–3.9 53.86N 85.07E 24–22 3.7b,3.4 ¶12855247
NNC Error ellipse: s-maj=25.5km s-min=14.1km az=59.0.
NNC II 21 01 39 10.0–1.3 53.40N 87.42E 0 3.9b,3.6 ¶12933732
NNC Error ellipse: s-maj=9.9km s-min=6.6km az=59.0.
NNC II 21 06 14 23.9–1.2 53.94N 85.74E 0 3.9b,3.5 ¶12933719
NNC Error ellipse: s-maj=11.0km s-min=5.7km az=61.0.
NNC II 21 09 58 42.9–2.3 54.03N 86.52E 0 3.7b,3.2 ¶12933749
NNC Error ellipse: s-maj=17.8km s-min=11.9km az=55.0.
NNC II 25 07 31 33.4–.94 50.21N 87.65E 0 3.7b,3.5 ¶12865770
NNC Error ellipse: s-maj=7.2km s-min=4.8km az=81.0.
NNC II 25 07 45 28.0–2.3 53.93N 85.53E 0 3.8b,3.4 ¶12865769
NNC Error ellipse: s-maj=21.2km s-min=9.9km az=61.0.
NNC II 28 09 42 06.2–3.7 53.98N 87.00E 0 3.7b,3.1 ¶12933877
NNC Error ellipse: s-maj=30.2km s-min=18.5km az=63.0.
NNC III 04 07 37 34.8–5.4 53.86N 86.37E 0 3.6b,3.1 ¶12934060
NNC Error ellipse: s-maj=42.6km s-min=33.4km az=58.0.
NNC III 04 08 44 38.0–3.0 53.75N 87.22E 0 3.6b,3.1 ¶12934054
NNC Error ellipse: s-maj=23.8km s-min=16.1km az=59.0.
NNC III 06 09 35 44.0–3.7 53.64N 87.46E 30–34 3.7b,3.5 ¶12934148
NNC Error ellipse: s-maj=27.7km s-min=17.4km az=68.0.
ISC III 07 09 16 32.1–1.2 54.36N–.09 86.0E–.10 35 15 1-62
IDC III 07 09 16 27.5–1.1 54.29N 86.11E 0 4.1s,4.1 ¶12702629
ISCJB III 07 09 16 29.3–.94 54.27N–.06 86.1E–.20 33 4.0s,3.5b
NNC III 07 09 16 29.9–4.6 54.12N 86.24E 0 4.3b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=11.3km s-min=9.3km az=127.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=7.8km az=22.4.
NNC Error ellipse: s-maj=38.0km s-min=30.2km az=172.0.
ISC III 08 03 56 59.9–1.1 51.5N–.10 92.77E–.08 10 6 5-14
ISCJB III 08 03 56 54.9–1.2 51.5N–.20 92.9E–.10 10 ¶12702679
IDC III 08 03 56 56.7–2.5 51.31N 92.85E 0 3.0,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.3km s-min=12.8km az=11.0.
IDC Error ellipse: s-maj=33.1km s-min=22.6km az=34.0.
NNC III 09 12 02 06.6–12 53.95N 86.94E 0 3.7b,3.3 ¶13435845
NNC Error ellipse: s-maj=108.6km s-min=55.2km az=67.0.
NNC III 10 12 12 38.0–1.2 54.13N 85.98E 0 3.6b,3.2 ¶13435919
NNC Error ellipse: s-maj=10.0km s-min=8.1km az=99.0.
ISC III 11 12 45 23.5–.78 50.30N–.04 87.68E–.04 14–4 4.7s,4.0b 98 0-144
IDC III 11 12 45 21.0–.53 50.15N 87.85E 0 4.7L,4.3 ¶13436006
ISCJB III 11 12 45 20.9–.69 50.30N–.03 87.69E–.04 7–4 4.6s,4.1b
MOS III 11 12 45 21.4–1.4 50.16N 87.70E 12 4.3b,4.1b
NNC III 11 12 45 21.4–3.2 50.11N 87.87E 0 4.7,4.5b
BJI III 11 12 45 21.6 50.18N 87.50E 11 4.6b,4.2L
ASRS III 11 12 45 23.8–1.0 50.30N 87.63E 15 3.4s,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=9.8km s-min=7.8km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=40.3.
MOS Error ellipse: s-maj=7.6km s-min=5.9km az=82.0.
NNC Error ellipse: s-maj=25.0km s-min=18.1km az=82.0.
NNC III 12 05 41 07.8–5.2 53.86N 86.68E 0 3.7b,3.2 ¶13436058
NNC Error ellipse: s-maj=43.0km s-min=25.7km az=61.0.
NNC III 13 08 40 10.3–3.9 54.00N 86.35E 0 3.8b,3.4 ¶13436166
NNC Error ellipse: s-maj=32.0km s-min=20.1km az=62.0.
NNC III 14 11 28 40.0–4.1 54.12N 85.43E 0 4.0b,3.6 ¶13436264
NNC Error ellipse: s-maj=38.1km s-min=20.6km az=57.0.
NNC III 14 12 47 48.1–5.6 54.01N 86.55E 5–37 3.5b,3.1 ¶13436274
NNC Error ellipse: s-maj=43.3km s-min=27.3km az=66.0.
NNC III 17 08 56 34.8–3.3 53.21N 87.37E 0 3.8b,3.4 ¶13436510
NNC Error ellipse: s-maj=24.9km s-min=16.7km az=54.0.
NNC III 17 12 14 46.7–3.7 53.86N 85.51E 0 3.5b,3.0 ¶13436530
NNC Error ellipse: s-maj=34.2km s-min=13.2km az=58.0.
ISC III 20 06 33 11.6–1.2 52.19N–.05 88.74E–.06 10 3.5b 37 1-82
ISCJB III 20 06 33 07.0–.51 52.21N–.05 88.75E–.05 10 3.4b ¶12600855
IDC III 20 06 33 07.5–1.0 52.14N 89.04E 0 4.0L,3.9
MOS III 20 06 33 08.8–2.6 52.19N 88.89E 12 4.4b,3.9
ASRS III 20 06 33 09.7–.75 52.12N 88.80E 15 3.2s,3.9
NNC III 20 06 33 11.3–5.0 51.87N 88.49E 0 4.1b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=158.8.
IDC Error ellipse: s-maj=14.9km s-min=11.0km az=147.0.
MOS Error ellipse: s-maj=15.9km s-min=14.6km az=117.5.
NNC Error ellipse: s-maj=41.6km s-min=25.4km az=66.0.
NNC III 20 07 44 02.9–2.8 53.19N 87.28E 0 3.8b,3.5 ¶13436805
NNC Error ellipse: s-maj=22.6km s-min=14.0km az=58.0.
ISC III 24 11 08 17.0–.70 54.96N–.04 93.12E–.02 7–4 4.1b,3.6s 142 1-145
NNC III 24 11 08 01.9–4.3 55.31N 95.19E 0 4.4b,3.6s ¶12600858
BJI III 24 11 08 15.9 55.07N 93.14E 16 4.4b,4.3s
MOS III 24 11 08 15.9–1.4 54.88N 93.16E 11 4.4b,4.3s
IDC III 24 11 08 16.5–.66 54.95N 93.11E 0 4.0,3.9
ASRS III 24 11 08 16.9–.63 54.79N 93.29E 15 4.2s,3.9
NEIC III 24 11 08 17.9–.33 54.94N 93.08E 10 4.5b,3.9
ISC Event type fe.
NNC Error ellipse: s-maj=46.6km s-min=26.6km az=108.0.
MOS Event type fe. Error ellipse: s-maj=9.0km s-min=6.8km az=66.3. Felt (III-IV) at Krasnojarsk. Moment Tensor Solution.
IDC Error ellipse: s-maj=14.1km s-min=10.5km az=159.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.5km az=163.0. Felt at Krasnoyarsk.
NNC IV 01 05 04 41.8–3.9 54.22N 87.13E 0 3.6b,3.2 ¶13437744
NNC Error ellipse: s-maj=33.4km s-min=28.1km az=10.0.
IDC IV 04 13 17 45.8–3.4 54.29N 87.65E 0 2.7,2.7 ¶16152364
IDC Error ellipse: s-maj=35.2km s-min=17.8km az=13.0.
NNC IV 05 11 20 12.0–4.3 53.80N 86.84E 0 3.6b,3.0 ¶13437969
NNC Error ellipse: s-maj=35.4km s-min=21.5km az=62.0.
NNC IV 07 08 25 25.5–3.9 53.90N 85.40E 0 4.0b,3.6 ¶13438103
NNC Error ellipse: s-maj=36.0km s-min=18.0km az=60.0.
ISC IV 07 21 59 28.4–.76 51.36N–.07 93.80E–.05 10 3.5b 29 2-81
IDC IV 07 21 59 25.9–1.1 51.59N 93.69E 0 3.7b,3.6 ¶12600859
MOS IV 07 21 59 26.0–1.8 51.39N 93.71E 13 4.0b,3.6

ASRS IV 07 21 59 28.5–1.4 51.46N 93.51E 15 3.2s,3.6
NNC IV 07 21 59 29.7–6.9 51.52N 93.47E 17–29 3.9,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=25.5km s-min=15.3km az=167.0.
MOS Error ellipse: s-maj=20.2km s-min=12.6km az=21.8.
NNC Error ellipse: s-maj=43.0km s-min=23.1km az=78.0.
ISC IV 09 02 33 41.9–1.1 50.33N–.07 87.59E–.08 8 16 4-19
ISCJB IV 09 02 33 39.7–.91 50.29N–.05 87.65E–.09 8 ¶12934914
IDC IV 09 02 33 40.2–1.6 50.25N 87.65E 0 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.0km az=19.5.
IDC Error ellipse: s-maj=15.1km s-min=12.5km az=83.0.
NNC IV 09 04 12 06.1–5.2 54.31N 86.32E 0 3.7b,3.4
¶13438218

NNC Error ellipse: s-maj=41.0km s-min=27.4km az=57.0.
ISC IV 17 18 46 02.2–1.2 50.04N–.04 88.86E–.04 2–8 4.0b 94 1-84
MOS IV 17 18 46 01.5–1.3 49.92N 88.95E 13 4.3b ¶13438779
ISCJB IV 17 18 46 01.6–.81 50.09N–.03 88.89E–.04 8–4 4.0b
IDC IV 17 18 46 01.7–.62 50.02N 89.01E 0 4.1,3.9
ASRS IV 17 18 46 02.4–1.1 49.93N 88.88E 15 3.2s,3.9
BJI IV 17 18 46 02.4 50.20N 88.83E 25 4.7b,4.5b
NNC IV 17 18 46 04.9–5.4 49.79N 88.26E 0 3.8b,3.5
ISC Event type ke.
MOS Error ellipse: s-maj=14.1km s-min=7.7km az=130.2.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=5.0.
IDC Error ellipse: s-maj=11.6km s-min=8.9km az=162.0.
NNC Error ellipse: s-maj=43.9km s-min=31.1km az=95.0.
NNC IV 18 03 44 15.0–4.6 54.02N 86.84E 0 3.6b,3.1
¶13438799

NNC Error ellipse: s-maj=37.5km s-min=23.2km az=59.0.
ISC IV 18 21 16 43.4–1.2 52.56N–.04 101.35E–.03 13–11 66 1-14
MOS IV 18 21 16 42.6–1.5 52.60N 101.40E 13 4.6b ¶12935525
BYKL IV 18 21 16 44.1–.28 52.53N 101.45E 4.6b
IDC IV 18 21 17 09.3–3.5 51.30N 101.13E 0 3.3,3.3
ISC Event type ke.
MOS Error ellipse: s-maj=15.7km s-min=12.5km az=124.5.
BYKL Event type se.
IDC Error ellipse: s-maj=62.1km s-min=18.5km az=23.0.
ISC IV 22 08 32 12.6–4.3 53.7N–.10 88.4E–.30 35 9 2-11
IDC IV 22 08 32 13.0–1.8 53.66N 87.84E 0 3.6,3.6 ¶12935966
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=3.5km az=99.0.
ISC IV 22 11 04 42.9–4.8 54.6N–.20 87.1E–.20 35 8 1-8
IDC IV 22 11 04 40.0–2.7 54.62N 86.81E 0 3.3,3.3 ¶12935960
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=2.9km az=61.0.
NNC IV 28 15 07 58.9–4.3 51.27N 89.52E 0 3.6b,3.4
¶13546297

NNC Error ellipse: s-maj=36.2km s-min=29.2km az=47.0.
ISC IV 30 02 35 00.1–2.1 50.16N–.07 87.9E–.10 11 14 4-39
IDC IV 30 02 34 58.3–2.3 50.14N 87.88E 0 3.5,3.5 ¶12936486
NNC IV 30 02 35 01.3–2.7 49.86N 87.57E 0 3.7b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=14.1km az=97.0.
NNC Error ellipse: s-maj=20.9km s-min=12.9km az=73.0.
IDC IV 30 07 45 07.0–2.5 53.93N 86.65E 0 3.5b,3.0
¶16154659

IDC Error ellipse: s-maj=24.6km s-min=15.5km az=49.0.
ISC V 01 01 23 52.2–2.2 50.28N–.07 87.4E–.10 8 13 4-39
IDC V 01 01 23 50.9–2.7 50.30N 87.45E 0 3.5,3.5 ¶13546452
NNC V 01 01 23 55.7–2.5 50.21N 87.17E 11–10 3.3b,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=13.2km az=96.0.
NNC Error ellipse: s-maj=19.2km s-min=10.7km az=70.0.
ISC V 02 10 47 56.9–1.2 50.41N–.04 87.68E–.05 10–8 3.6b 36 0-89
IDC V 02 10 47 54.6–.97 50.22N 87.92E 0 4.1L,3.9 ¶13546505
MOS V 02 10 47 54.6–1.6 50.14N 87.81E 10 4.2b,3.9
NNC V 02 10 47 55.4–2.2 50.29N 87.76E 0 3.8,3.8b
ISCJB V 02 10 47 55.0–1.3 50.20N–.05 87.75E–.07 7–8 3.5b,3.8b
ISC Event type ke.
ISCJB Event type ke.
NNC V 03 09 04 53.3–3.4 53.96N 86.35E 0 3.9b,3.5
¶13546540

NNC Error ellipse: s-maj=27.3km s-min=16.0km az=57.0.
NNC V 04 01 17 22.7–2.0 50.18N 87.08E 0 3.5b,3.1
¶13546570

NNC Error ellipse: s-maj=15.5km s-min=8.5km az=70.0.
NNC V 06 08 21 27.4–3.7 53.95N 85.89E 0 3.6b,3.2
¶13550158

NNC Error ellipse: s-maj=28.9km s-min=19.2km az=51.0.
IDC V 09 15 17 07.6–2.0 51.40N 93.59E 0 2.5,2.5
¶16155549

IDC Error ellipse: s-maj=32.2km s-min=17.0km az=15.0.
NNC V 15 10 45 56.7–2.5 54.17N 86.27E 0 3.7b,3.1
¶13584178

NNC Error ellipse: s-maj=22.2km s-min=12.6km az=53.0.
NNC V 19 05 23 43.9–3.5 54.28N 86.51E 0 3.8b,3.5
¶13584387

NNC Error ellipse: s-maj=27.8km s-min=17.7km az=51.0.
NNC V 21 06 15 00.0–11 53.93N 87.08E 0 3.6b,3.1
¶13598397

NNC Error ellipse: s-maj=94.7km s-min=62.2km az=58.0.
ISC V 21 22 29 17.1–1.5 50.15N–.06 87.4E–.10 10 3.5b 30 4-77
IDC V 21 22 29 14.2–1.6 50.15N 87.67E 0 3.7,3.7 ¶13598436
NNC V 21 22 29 17.5–4.5 49.93N 87.36E 19–28 3.6b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=18.1km s-min=11.9km az=96.0.
NNC Error ellipse: s-maj=40.0km s-min=23.6km az=82.0.
NNC V 24 05 15 07.3–7.0 54.37N 86.20E 0 3.6b,3.0
¶13598549

NNC Error ellipse: s-maj=52.2km s-min=42.4km az=56.0.
IDC V 26 08 23 34.9–2.7 54.34N 86.91E 0 3.0,3.0
¶16156178

IDC Error ellipse: s-maj=25.7km s-min=18.6km az=17.0.
MOS V 27 03 33 35.6–2.9 54.10N 97.80E 6 4.3b
¶14270413

MOS Error ellipse: s-maj=47.3km s-min=29.5km az=42.5.
IDC V 30 00 46 15.6–2.4 51.43N 93.17E 0 2.8,2.8
¶16066053

IDC Error ellipse: s-maj=33.5km s-min=19.4km az=16.0.
NNC V 30 07 08 53.5–6.5 54.21N 87.73E 0 3.9b,3.6
¶13659414

NNC Error ellipse: s-maj=53.7km s-min=45.9km az=167.0.
NNC VI 02 23 46 18.3–2.0 50.13N 87.79E 0 3.8b,3.4
¶13680176

NNC Error ellipse: s-maj=15.1km s-min=9.0km az=70.0.
NNC VI 15 06 27 24.1–5.6 54.12N 87.44E 0 3.8b,3.5
¶13762679

NNC Error ellipse: s-maj=44.1km s-min=37.4km az=89.0.
NNC VI 16 12 26 42.0–5.1 54.08N 87.50E 0 3.6b,3.2
¶13840702

NNC Error ellipse: s-maj=40.1km s-min=34.8km az=67.0.
IDC VI 18 06 48 57.6–2.8 54.13N 87.22E 0 2.8,2.8
¶16101458

IDC Error ellipse: s-maj=24.9km s-min=14.6km az=68.0.
NNC VI 19 09 17 14.3–5.5 54.33N 85.92E 0 4.2b,3.7
¶13840915

NNC Error ellipse: s-maj=52.1km s-min=32.1km az=37.0.
ISC VI 25 01 29 31.0–1.4 50.10N–.07 88.0E–.10 11 17 4-58
ISCJB VI 25 01 29 28.8–1.2 50.07N–.05 88.0E–.10 11 3.3b ¶13681990
IDC VI 25 01 29 28.6–1.6 50.08N 88.05E 0 3.6,3.6
NNC VI 25 01 29 32.5–2.4 49.99N 87.69E 0 4.2b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=7.2km az=20.3.
IDC Error ellipse: s-maj=18.5km s-min=13.1km az=118.0.
NNC Error ellipse: s-maj=17.6km s-min=10.3km az=71.0.
NNC VI 28 12 00 34.3–3.5 53.52N 86.48E 0 3.6b,3.0
¶13841653

NNC Error ellipse: s-maj=30.3km s-min=18.8km az=51.0.

(327) Lake Baykal region.

ISC I 08 16 09 18.7–1.1 53.98N–.02 109.35E–.02 0–9 87 1-6
MOS I 08 16 09 18.8–1.4 53.91N 109.35E 11 4.2b ¶13917729
BYKL I 08 16 09 20.9–.24 54.02N 109.23E 4.2b
ISC Event type se.
MOS Error ellipse: s-maj=18.2km s-min=11.1km az=66.8.
BYKL Event type se.
ISC I 15 00 01 31.4–.71 52.38N–.02 106.37E–.02 13–6 68 0-8
MOS I 15 00 01 30.8–1.5 52.35N 106.45E 18 4.3b ¶13944735
BYKL I 15 00 01 31.5–.23 52.38N 106.34E 18–3 4.3b
ISC Event type se.
MOS Error ellipse: s-maj=30.5km s-min=18.2km az=77.3.
BYKL Event type se.
ISC I 25 15 29 47.5–1.1 55.60N–.03 112.01E–.02 7–9 54 1-8
MOS I 25 15 29 47.2–.21 55.60N 111.92E 11 4.2b ¶13962474
BYKL I 25 15 29 47.9–.29 55.58N 111.98E 4.2b
ISC Event type se.
MOS Error ellipse: s-maj=41.8km s-min=22.4km az=82.0.
BYKL Event type se.
BYKL II 03 21 20 14.9–.22 52.14N 106.42E 24–3
MOS II 03 21 20 13.7–1.4 52.26N 106.70E 10 4.3b ¶13970622
BYKL Event type se.
MOS Error ellipse: s-maj=23.2km s-min=17.4km az=77.6.
MOS II 04 02 23 48.9–1.4 54.30N 111.18E 1 4.3b
BYKL II 04 02 23 49.1–.26 54.32N 111.17E 4.3b ¶13970623
MOS Error ellipse: s-maj=25.9km s-min=11.0km az=86.6.
BYKL Event type se.
ISC II 23 23 49 02.5–1.1 55.48N–.03 110.49E–.03 1–9 57 1-23
MOS II 23 23 49 00.9–1.4 55.57N 110.47E 7 4.3b ¶12701682
BYKL II 23 23 49 02.4–.24 55.51N 110.45E 4.3b
IDC II 23 23 49 10.4–7.8 55.27N 109.37E 0 3.1,3.1
ISC Event type se.
MOS Error ellipse: s-maj=21.2km s-min=14.1km az=66.5.
BYKL Event type se.
IDC Error ellipse: s-maj=106.5km s-min=28.0km az=75.0.
MOS II 27 22 42 32.0–.77 55.47N 110.41E 8 4.2b
BYKL II 27 22 42 33.4–.23 55.44N 110.38E 4.2b ¶14012082
MOS Error ellipse: s-maj=21.6km s-min=10.0km az=66.7.
BYKL Event type se.
ISC II 28 15 22 59.0–.88 55.11N–.02 110.02E–.02 0–7 71 1-23
MOS II 28 15 22 59.5–1.1 55.13N 110.06E 11 4.3b ¶12702116
BYKL II 28 15 22 59.6–.22 55.13N 109.96E 4.3b
IDC II 28 15 23 02.6–7.9 55.05N 109.67E 0 3.5,3.5
ISC Event type se.
MOS Error ellipse: s-maj=14.2km s-min=8.4km az=74.1.
BYKL Event type se.
IDC Error ellipse: s-maj=108.1km s-min=30.7km az=78.0.
BYKL III 03 06 14 37.1–1.3 53.77N 111.75E
¶14318992

BYKL Event type se.
MOS III 03 06 14 57.7–2.8 54.00N 111.30E 10 4.2b
BYKL III 03 06 14 52.9–.37 53.85N 111.54E 4.2b ¶14544086
MOS Error ellipse: s-maj=61.3km s-min=33.9km az=83.8.
BYKL Event type se.
ISC III 05 10 34 41.6–1.2 52.72N–.02 107.69E–.02 3–10 78 0-8
BYKL III 05 10 34 43.1–.22 52.68N 107.67E 24–4 ¶14012088
MOS III 05 10 34 44.9–2.2 52.89N 107.34E 11 4.4b
ISC Event type se.
BYKL Event type se.
MOS Error ellipse: s-maj=16.7km s-min=9.7km az=57.8.
ISC III 15 06 45 09.2–.62 53.79N–.02 111.69E–.02 10 3.6b 90 1-47
IDC III 15 06 45 10.2–1.9 53.57N 112.15E 0 3.5,3.3 ¶12703329
BYKL III 15 06 45 11.7–.32 53.83N 111.60E 3.5,3.3
MOS III 15 06 45 12.9–1.6 53.76N 111.65E 28 4.0b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=21.1km az=133.0.
BYKL Event type se.
MOS Error ellipse: s-maj=13.5km s-min=8.0km az=77.2.
BYKL III 15 16 33 12.0–.25 53.68N 108.59E 12–5
MOS III 15 16 33 11.3–2.0 53.48N 108.77E 14 4.2b ¶14190323
BYKL Event type se.
MOS Error ellipse: s-maj=26.4km s-min=12.6km az=136.0.
ISC III 17 00 59 12.8–.35 53.64N–.02 108.71E–.02 10 3.9b 138 0-89
ISCJB III 17 00 59 11.4–.27 53.66N–.02 108.69E–.04 10 3.9b,3.3s ¶12703473
MOS III 17 00 59 12.6–1.1 53.66N 108.62E 15 4.5b,3.3s
IDC III 17 00 59 12.5–.83 53.68N 108.57E 0 3.9,3.8b
NEIC III 17 00 59 14.2–.37 53.70N 108.52E 10 4.3b,3.8b
BYKL III 17 00 59 14.1–.25 53.67N 108.59E 11–5 4.3b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.2km az=136.4.
MOS Error ellipse: s-maj=10.1km s-min=7.1km az=58.8.
IDC Error ellipse: s-maj=18.7km s-min=16.1km az=92.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=6.5km az=124.0.
BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 54.00 58.00 -55.00 16 0 IEC + 181.00 46.00 -133.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 120.00 7.00 214.00 29.00 18.00 60.00 IEC + 0.00 0.00 0.00 0.00 0.00 0.00 IEC.
ISC III 21 08 54 20.9–1.2 54.36N–.02 110.36E–.03 0–10 61 1-8
MOS III 21 08 54 21.8–1.3 54.31N 110.47E 10 4.4b ¶14200376
BYKL III 21 08 54 21.7–.21 54.33N 110.46E 4.4b
ISC Event type ke.
MOS Error ellipse: s-maj=27.4km s-min=13.9km az=78.4.
BYKL Event type se.
ISC III 24 21 53 54.3–.96 52.84N–.02 106.99E–.02 13–7 3.5b 99 0-89
MOS III 24 21 53 52.8–1.1 52.84N 107.09E 15 4.6b ¶12635493
IDC III 24 21 53 52.4–1.4 52.83N 107.01E 0 3.4b,3.4
BYKL III 24 21 53 54.2–.18 52.86N 106.95E 13–3 3.4b,3.4
ISC Event type se.
MOS Error ellipse: s-maj=13.5km s-min=7.4km az=60.4.
IDC Error ellipse: s-maj=30.2km s-min=17.4km az=90.0.
BYKL Event type se.
ISC IV 17 11 43 13.5–1.1 53.35N–.02 107.45E–.02 2–9 3.4b 102 0-80
IDC IV 17 11 43 12.7–1.2 53.43N 107.47E 0 3.6L,3.6 ¶12935460
MOS IV 17 11 43 13.9–1.6 53.38N 107.39E 12 4.5b,3.6
BYKL IV 17 11 43 16.0–.22 53.34N 107.34E 18–3 4.5b,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=20.3km az=79.0.
MOS Event type fe. Error ellipse: s-maj=13.5km s-min=8.2km az=70.3. Felt (II-III) at Khuzhir, Onguryeny, Elantsy, Tyrgan. Moment Tensor Solution.
BYKL Event type se. FELT I=IV MSK at Khujir; III at Onguren and II-III at Yelantsy,Tyrgan.
ISC IV 27 17 47 40.8–.88 53.28N–.02 108.55E–.02 11–7 77 0-7
MOS IV 27 17 47 40.5–1.0 53.29N 108.59E 18 4.3b ¶14263050
BYKL IV 27 17 47 41.0–.16 53.29N 108.53E 10–3 4.3b
ISC Event type ke.
MOS Error ellipse: s-maj=20.4km s-min=11.1km az=58.3.
BYKL Event type se.
ISC V 15 16 45 49.1–1.1 54.13N–.02 108.88E–.02 2–9 3.5b 99 1-80
IDC V 15 16 45 48.4–1.3 54.10N 109.01E 0 3.4,3.4b ¶13679004
MOS V 15 16 45 49.4–1.2 54.14N 108.78E 8 4.4b,3.4b
BYKL V 15 16 45 50.6–.20 54.19N 108.64E 4.4b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=22.1km az=128.0.

MOS Error ellipse: s-maj=15.7km s-min=8.7km az=57.7.
BYKL Event type se.
ISC V 16 13 53 44.5–1.1 53.55N–.03 109.11E–.02 3–10 77 0-6
MOS V 16 13 53 45.9–1.6 53.47N 109.11E 12 4.3b ¶14264761
BYKL V 16 13 53 45.7–.18 53.59N 109.04E 19–3 4.3b
ISC Event type se.
MOS Error ellipse: s-maj=18.3km s-min=9.0km az=56.0.
BYKL Event type se.
BYKL V 18 07 08 47.6–.17 53.58N 108.61E 15–3
MOS V 18 07 08 47.1–2.0 53.53N 108.80E 16 4.3b ¶14264762
BYKL Event type se.
MOS Error ellipse: s-maj=16.8km s-min=10.3km az=57.0.
ISC V 20 03 23 42.9–.75 54.72N–.03 112.52E–.03 10 59 1-8
MOS V 20 03 23 41.8–.56 54.60N 112.67E 8 4.2b ¶14264763
BYKL V 20 03 23 45.0–.29 54.76N 112.60E 4.2b
ISC Event type se.
MOS Error ellipse: s-maj=42.2km s-min=22.9km az=96.6.
BYKL Event type se.
ISC VI 10 18 51 59.0–.33 55.48N–.02 111.18E–.02 17–1 4.9b,4.3s 729 0-150
BJI VI 10 18 51 53.7 55.76N 111.29E 11 4.8s,4.8b ¶13440030
ISCJB VI 10 18 51 55.6–.49 55.48N–.02 111.04E–.03 4–3 4.8b,4.4s
IDC VI 10 18 51 56.0–.36 55.42N 111.17E 0 4.8,4.8
MOS VI 10 18 51 56.9–.94 55.44N 111.08E 16 5.0b,4.4s
LDG VI 10 18 51 57.3–.33 55.64N 110.51E 10 5.0b,4.0s
NEIC VI 10 18 51 57.9–.12 55.42N 111.06E 10 5.0b,4.0s
GCMT VI 10 18 51 59.8–.30 55.36N 111.08E 30–0 4.8W,4.0s
BYKL VI 10 18 51 59.1–.24 55.41N 111.16E 22–12 4.8W,4.0s
SZGRF VI 10 18 52 07.8 56.43N 110.63E 24 4.9b,4.5s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.3km az=43.6.
IDC Error ellipse: s-maj=10.2km s-min=9.7km az=150.0.
MOS Event type fe. Error ellipse: s-maj=5.7km s-min=4.0km az=102.2. Felt (III-IV) at Kumora, Ulyunkhan; (III) at Angoya, Kichera, Novy Uoyan; (II) at Severobaykal'sk. Moment Tensor Solution.
LDG Event type ke. Error ellipse: s-maj=16.5km s-min=4.0km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=152.0. Felt [IV] at Kumora and Ulyunkhan; [III] at Angoya, Kichera and Novyy Uoyan; [II] at Severobaykal'sk.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s29,c38; s45,c68; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.76±.12 $M_{\theta\theta}$0.43±.09; $M_{\phi\phi}$1.33±.10; $M_{r\theta}$-0.43±.13; $M_{\theta\phi}$1.08±.07; $M_{\phi r}$0.06±.12; Best double couple: NP1:ϕ_s200.00000°,δ44.00000°,λ-110.00000°. NP2:ϕ_s47.00000°,δ49.00000°,λ-72.00000°. Principal axes: T 2.0600,Plg3.0000° ,Azm124.0000°; N -0.1900,Plg14.0000°,Azm215.0000°; P -1.8700,Plg76.0000° ,Azm23.0000° M_o2.00000×10^{16}
BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 32.00 44.00 -75.00 21 0 IEC + 192.00 48.00 -104.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 292.00 2.00 202.00 10.00 33.00 80.00 IEC + 00.00 0.00 0.00 0.00 0.00 0.00 IEC. FELT I=IV MSK at Kumora,Kichera,Argada; III-IV at Ulyunkhan,Angoya, Mogoito,Kurumkan,Kunerma,Ulkan; III at Uoyan; II at Severobaikalsk.
SZGRF Lake Baykal, Russia, region.
ISC VI 14 10 30 11.9–1.0 51.72N–.03 104.06E–.02 5–9 69 0-22
MOS VI 14 10 30 11.6–1.9 51.67N 104.10E 18 4.3b ¶14306039
BYKL VI 14 10 30 12.1–.19 51.70N 104.07E 10–4 4.3b
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=16.4km s-min=10.5km az=61.5. Felt (II-III) at Baykal'sk, (II) at Sluydyanka. Moment Tensor Solution.
BYKL Event type se. FELT I=III-IV MSK at Baikalsk; III at Sluydyuanka.

(328) East of Lake Baykal.

ISC I 03 03 50 16.5–.44 56.20N–.03 113.45E–.02 14–2 4.5b,3.6s 333 0-152
BJI I 03 03 50 11.5 56.52N 113.91E 7 4.7b,4.5s ¶13404559
LDG I 03 03 50 14.6–.27 56.48N 113.09E 10 4.7b,2.9s
MOS I 03 03 50 14.5–1.1 56.20N 113.51E 13 4.6b,2.9s
BYKL I 03 03 50 15.6–.26 56.23N 113.55E 9–4 4.6b,2.9s
ISCJB I 03 03 50 15.8–.68 56.27N–.02 113.38E–.04 18–5 4.4b,3.7s
NEIC I 03 03 50 16.2–.21 56.25N 113.41E 10 4.6b,3.7s
IDC I 03 03 50 18.9–4.2 56.22N 113.40E 31–31 4.1,4.1
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=12.8km s-min=4.0km az=106.0.
MOS Event type fe. Error ellipse: s-maj=7.3km s-min=4.9km az=84.8. Felt (III-IV) at Severomuisk. Moment Tensor Solution.
BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 15.00 62.00 122.00 16 0 IEC + 142.00 42.00 45.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 333.00 59.00 178.00 29.00 82.00 11.00 IEC + 3.69 3.51 5.68 3.00 3.00 1.41 IEC. FELT I=IV-V MSK at Severomuisk.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.5km az=149.8.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.2km az=157.0.
IDC Error ellipse: s-maj=14.8km s-min=11.9km az=27.0.
ISC I 26 18 35 57.6–.55 55.19N–.02 113.38E–.02 10 3.5b 98 1-77
MOS I 26 18 35 56.6–1.3 55.20N 113.48E 11 4.4b ¶12082395
BYKL I 26 18 35 57.8–.27 55.28N 113.52E 4.4b
IDC I 26 18 35 58.1–1.2 55.32N 113.26E 0 3.5,3.4b
ISC Event type se.
MOS Error ellipse: s-maj=12.5km s-min=7.9km az=82.8.
BYKL Event type se.
IDC Error ellipse: s-maj=24.2km s-min=21.5km az=139.0.
ISC II 04 05 29 07.7–.61 55.76N–.03 114.60E–.02 10 3.2b 91 1-56
MOS II 04 05 29 06.6–1.4 55.71N 114.74E 12 4.2b ¶12699513
BYKL II 04 05 29 08.4–.25 55.78N 114.65E 4.2b
IDC II 04 05 29 10.8–1.7 55.79N 113.85E 0 3.3,3.2
ISC Event type se.
MOS Error ellipse: s-maj=12.4km s-min=9.0km az=67.9.
BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 66.00 42.00 -78.00 14 0 IEC + 230.00 49.00 -101.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 328.00 4.00 237.00 8.00 81.00 81.00 IEC + 6.08 1.00 4.51 5.51 23.43 5.71 IEC.
IDC Error ellipse: s-maj=47.9km s-min=18.7km az=141.0.
ISC II 10 13 50 31.7–1.1 56.61N–.03 118.82E–.02 4–10 47 0-12
MOS II 10 13 50 33.7–1.7 56.72N 118.78E 5 4.4b ¶13970628
BYKL II 10 13 50 35.1–.31 56.70N 118.70E 7–6 4.4b
ISC Event type se.
MOS Error ellipse: s-maj=19.8km s-min=17.0km az=2.8.
BYKL Event type se.
ISC II 10 16 34 30.5–.68 56.53N–.03 118.51E–.02 10 48 0-12
MOS II 10 16 34 29.9–1.6 56.72N 118.77E 10 4.4b ¶13970627
BYKL II 10 16 34 31.3–.33 56.70N 118.68E 11–6 4.4b
ISC Event type se.
MOS Error ellipse: s-maj=20.0km s-min=17.1km az=0.2.
BYKL Event type se.
ISC II 15 08 04 19.7–.72 56.54N–.03 118.52E–.02 10 61 0-12
MOS II 15 08 04 18.8–1.8 56.69N 118.75E 3 4.4b ¶14012075
BYKL II 15 08 04 19.4–.36 56.71N 118.72E 11–5 4.4b
ISC Event type se.
MOS Error ellipse: s-maj=17.7km s-min=14.7km az=171.2.
BYKL Event type se.
MOS II 26 20 07 26.6–1.4 56.55N 118.41E 10 4.3b
BYKL II 26 20 07 27.0–.21 56.46N 118.41E 10–4 4.3b ¶14012079
MOS Error ellipse: s-maj=65.2km s-min=30.5km az=175.0.
BYKL Event type se.
ISC II 27 08 47 26.3–.58 56.46N–.03 118.49E–.02 10 47 0-10
MOS II 27 08 47 27.8–1.8 56.48N 118.40E 10 4.3b ¶14012080
BYKL II 27 08 47 28.5–.25 56.46N 118.42E 14–5 4.3b
ISC Event type se.
MOS Error ellipse: s-maj=24.5km s-min=20.0km az=81.9.
BYKL Event type se.
ISC III 02 06 02 06.7–.80 55.32N–.03 114.60E–.02 10 42 1-9
ISCJB III 02 06 02 01.5–.49 55.18N–.03 114.67E–.04 10 ¶14012084
MOS III 02 06 02 07.2–1.2 55.30N 114.70E 10 4.2b
BYKL III 02 06 02 07.4–.26 55.26N 114.62E 4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.9km az=166.0.
MOS Error ellipse: s-maj=40.9km s-min=26.1km az=96.8.
BYKL Event type se.

(329) Eastern Kazakhstan.

NNC I 04 04 31 23.4–.29 47.49N 81.30E 0 2.8b,2.3 ¶12698621
NNC Error ellipse: s-maj=3.4km s-min=1.6km az=53.0.
NNC I 23 21 06 41.8–1.0 47.11N 80.92E 0 3.6b,3.2 ¶12699147
NNC Error ellipse: s-maj=13.7km s-min=5.9km az=15.0.
ISC I 31 07 32 49.7–.81 50.10N–.07 78.76E–.09 10 17 1-32
NNC I 31 07 32 47.9–.87 50.09N 79.07E 0 3.4b,2.9 ¶12082798
IDC I 31 07 32 47.7–1.6 50.03N 78.44E 0 4.0b,4.0
ISCJB I 31 07 32 48.8–.60 50.07N–.05 78.65E–.08 10 3.9b,4.0
ISC Event type ke.
ISCJB Event type ke.
NNC II 16 11 01 13.0–7.0 52.11N 75.16E 0 2.5b,2.1 ¶12835950
NNC Error ellipse: s-maj=49.4km s-min=39.1km az=124.0.
NNC III 22 07 26 27.2–.46 50.10N 78.85E 11–10 3.2b,2.7 ¶13437002
NNC Error ellipse: s-maj=9.9km s-min=5.7km az=78.0.
ISC III 28 09 14 57.9–.90 51.67N–.08 75.83E–.06 10 18 2-59
IDC III 28 09 14 54.3–.75 51.63N 75.41E 0 3.2,3.1L ¶12635760
NNC III 28 09 14 55.9–.79 51.15N 75.36E 0 3.2b,2.8
ISCJB III 28 09 14 56.2–.47 51.67N–.06 75.86E–.06 10 3.1b,2.8
ISC Event type ke.
ISCJB Event type ke.
ISC VI 05 03 30 19.8–.55 49.36N–.04 83.43E–.05 10 4.3b 111 2-75
ISCJB VI 05 03 30 17.7–.37 49.38N–.03 83.41E–.05 10 4.3b ¶13321222
ASRS VI 05 03 30 21.1–.88 49.30N 84.01E 15 4.0s
IDC VI 05 03 30 21.3–1.1 49.39N 83.82E 30–4 4.2L,4.1
MOS VI 05 03 30 22.6–2.7 49.33N 83.15E 33 4.1b,4.1
NEIC VI 05 03 30 22.1–.61 49.33N 83.45E 26–4 3.9b,4.1
NNC VI 05 03 30 23.3–1.4 49.18N 83.09E 7–7 4.6b,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.9km az=22.9.
IDC Error ellipse: s-maj=17.3km s-min=9.1km az=81.0.
MOS Error ellipse: s-maj=10.2km s-min=6.8km az=72.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=7.6km az=135.0. Felt [IV] at Oskemen.
NNC Error ellipse: s-maj=11.6km s-min=4.9km az=72.0.
ISC VI 13 17 17 39.2–.29 44.73N–.02 78.83E–.02 19–1 5.7b,5.2s 1701 2-157
BGS VI 13 17 17 21.1–1.2 43.44N 81.41E 10 5.5s,5.4b ¶13196642
LDG VI 13 17 17 34.9–.11 44.57N 78.81E 10 5.8b,4.8s
SZGRF VI 13 17 17 34.1 43.82N 79.46E 13 5.8b,4.8s
IDC VI 13 17 17 36.1–.26 44.72N 78.88E 0 5.5,5.5
ISCJB VI 13 17 17 36.7–.08 44.74N–.01 78.87E–.01 13 5.6b,5.1s
NEIC VI 13 17 17 37.7–.08 44.73N 78.87E 11 5.8b,5.4W
BJI VI 13 17 17 38.2 44.78N 79.02E 21 5.9L,5.7s
TEH VI 13 17 17 38.0 44.71N 78.88E 13 5.5L,5.7s
MOS VI 13 17 17 39.6–.87 44.80N 78.91E 33 5.9b,5.1s
GCMT VI 13 17 17 40.6–.10 44.77N 78.83E 12–0 5.4W,5.1s
NNC VI 13 17 17 40.8–.50 44.95N 78.58E 20–2 6.1b,5.8
DJA VI 13 17 17 41.8–2.1 45N–8.0 79E–4.0 24–17 6.8,5.9b
ISC Event type de.
LDG Event type ke.
SZGRF Lake Issyk-Kul, Kyrgyzstan, region.
ISCJB Event type de.
NEIC Event type de. One person died of a heart attack and several buildings damaged [VII] at Tekeli. Felt [III] at Almaty. Also felt at Druzhba and Ushtobe. Felt at Yining, China. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s62 Moment tensor: Scale 10^{17}Nm; M_{rr}1.16 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$-0.13 $M_{r\theta}$-0.60 $M_{\theta\phi}$-0.31 $M_{\phi r}$0.24 Best double couple: NP1:ϕ_s269.00000° ,δ59.00000°,λ107.00000°. NP2:ϕ_s58.00000°,δ35.00000°,λ64.00000°. Principal axes: T 1.3800,Plg70.0000°,Azm217.0000°; N -0.1400,Plg14.0000°,Azm80.0000° ; P -1.2300,Plg12.0000°,Azm346.0000° M_o1.30000×10^{17}
MOS Event type fe. Felt (III) at Almaty. Moment Tensor Solution.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 99, comp=206, per= 50. Moment Tensor Solution. s82,c142; s22,c22; Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.02 $M_{\theta\theta}$-1.40±.02; $M_{\phi\phi}$0.30±.02; $M_{r\theta}$-0.16±.04; $M_{\theta\phi}$-0.86±.02; $M_{\phi r}$0.49±.05; Best double couple: NP1:ϕ_s276.00000°,δ53.00000°,λ133.00000°. NP2:ϕ_s39.00000°,δ55.00000°,λ48.00000°. Principal axes: T 1.4400,Plg57.0000°,Azm248.0000°; N 0.3200,Plg33.0000°,Azm67.0000° ; P -1.7600,Plg1.0000°,Azm157.0000° M_o1.60000×10^{17}
NNC VI 13 17 25 23.6–2.0 44.66N 79.02E 0 5.3b,5.0 ¶13762610
NNC Error ellipse: s-maj=38.6km s-min=14.6km az=137.0.
NNC VI 14 02 14 40.3–1.3 44.94N 78.66E 14–8 3.5b,3.2 ¶13762640
NNC Error ellipse: s-maj=7.0km s-min=2.7km az=125.0.
ISC VI 17 19 30 23.8–1.4 44.81N–.09 78.9E–.10 10 14 2-10
NNC VI 17 19 30 23.8–1.0 44.80N 78.87E 0 3.7b,3.3 ¶13840805
ISCJB VI 17 19 30 24.6–.97 44.95N–.07 78.7E–.20 10 3.7b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC VI 23 09 33 48.4–.90 44.29N–.05 75.02E–.06 10 26 1-10
NNC VI 23 09 33 45.9–.75 44.33N 74.99E 0 3.3b,2.9 ¶13841245
ISCJB VI 23 09 33 46.8–.44 44.43N–.03 74.98E–.07 10 3.3b,2.9
ISC Event type ke.
ISCJB Event type ke.

(330) Lake Issyk-Kul region.

ISC I 05 14 06 17.3–1.4 42.43N–.09 79.09E–.07 35 34 2-72
IDC I 05 14 06 12.8–1.7 42.49N 79.17E 0 3.5b,3.3 ¶12080382
NNC I 05 14 06 14.4–1.2 42.58N 79.03E 0 3.9b,3.7
ISCJB I 05 14 06 15.8–.82 42.56N–.06 79.10E–.07 33 3.3b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC I 09 08 55 16.2–4.1 42.68N–.08 77.6E–.20 10 19 1-5
NNC I 09 08 55 14.2–1.9 42.63N 77.81E 0 3.1b,3.0 ¶11712673
KNET I 09 08 55 18.1–.57 42.62N 77.52E 11–4 3.0L,3.0
ISC Event type ke.
NNC Error ellipse: s-maj=14.3km s-min=9.2km az=2.0.
KNET Error ellipse: s-maj=7.4km s-min=1.8km az=143.0.
ISC I 19 16 15 51.3–.70 42.83N–.04 77.47E–.05 14 3.8b 52 1-84
NNC I 19 16 15 48.4–.81 42.92N 77.65E 0 3.8b,3.7 ¶11682451
IDC I 19 16 15 49.3–.95 42.88N 77.50E 0 3.9,3.8L
ISCJB I 19 16 15 51.0–.53 42.98N–.05 77.59E–.05 14 3.7b,3.8L
BJI I 19 16 15 51.8 42.90N 77.73E 13 3.4L,3.8L
ISC Event type ke.
NNC Error ellipse: s-maj=6.5km s-min=3.6km az=179.0.
IDC Error ellipse: s-maj=16.9km s-min=12.1km az=102.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.3km az=155.7.
ISC I 22 10 38 56.4–1.4 42.90N–.08 77.53E–.06 14 27 1-8
NNC I 22 10 38 55.2–.87 42.95N 77.61E 3–4 3.4b,3.1 ¶11682477
ISCJB I 22 10 38 58.1–.95 43.10N–.10 77.58E–.08 14 3.4b,3.1
ISC Event type ke.
ISCJB Event type ke.
ISC I 25 08 11 15.0–1.7 42.86N–.08 77.48E–.09 14 25 1-8
NNC I 25 08 11 13.4–.93 42.87N 77.58E 1–7 3.0b,2.9 ¶11682506
ISC Event type ke.
NNC Error ellipse: s-maj=12.5km s-min=4.9km az=7.0.
ISC II 09 06 35 47.6–2.2 42.3N–.20 78.16E–.10 12 23 1-6
NNC II 09 06 35 40.2–2.2 41.93N 78.42E 0 3.5b,3.1 ¶12835645
ISC Event type ke.
NNC Error ellipse: s-maj=23.7km s-min=7.8km az=162.0.
ISC II 19 06 10 41.0–2.9 42.1N–.20 78.2E–.10 35 12 1-6
NNC II 19 06 10 32.3–4.4 41.78N 78.27E 0 3.6b,3.2 ¶12855290
ISCJB II 19 06 10 36.7–1.9 42.0N–.20 78.4E–.10 33 3.6b,3.2
ISC Event type ke.
ISCJB Event type ke.

ISC II 27 13 39 25.7–1.1 43.01N–.05 75.87E–.03 14–9 19 0-8
ISCJB II 27 13 39 25.4–.97 43.02N–.05 75.91E–.04 10–7 **¶12933816**
KNET II 27 13 39 25.1–.59 42.99N 75.86E 19–2 2.1L
NNC II 27 13 39 26.2–1.0 43.11N 75.90E 0 3.2b,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.8km az=171.4.
KNET Error ellipse: s-maj=4.5km s-min=2.0km az=35.0.
NNC Error ellipse: s-maj=20.1km s-min=5.3km az=177.0.
ISC II 28 20 35 03.9–1.1 43.10N–.06 76.12E–.04 16–10 18 0-6
NNC II 28 20 35 01.9–2.6 42.77N 76.25E 0 2.7b,2.1 **¶12933856**
ISCJB II 28 20 35 03.4–.85 43.19N–.05 76.11E–.04 8–8 2.7b,2.1
KNET II 28 20 35 04.7–1.2 43.11N 76.00E 22–13 1.6L,2.1
ISC Event type ke.
NNC Error ellipse: s-maj=28.2km s-min=3.9km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.3km az=169.1.
KNET Error ellipse: s-maj=10.2km s-min=3.2km az=37.0.
ISC III 15 16 25 39.0–2.1 42.85N–.06 77.44E–.08 0–15 17 1-5
NNC III 15 16 25 38.0–2.0 42.84N 77.49E 0 3.3b,2.9 **¶13436371**
KNET III 15 16 25 40.8–.62 42.85N 77.30E 6–3 2.9L,2.9
ISC Event type ke.
NNC Error ellipse: s-maj=18.7km s-min=9.4km az=20.0.
KNET Error ellipse: s-maj=4.4km s-min=3.7km az=132.0.
ISC IV 01 00 12 24.3–1.4 42.34N–.05 76.36E–.05 2–12 20 0-6
NNC IV 01 00 12 23.4–1.8 42.34N 76.38E 0 3.2b,2.9 **¶13437736**
KNET IV 01 00 12 24.8–.57 42.35N 76.26E 0 2.1L,2.9
ISC Event type ke.
NNC Error ellipse: s-maj=12.1km s-min=4.4km az=175.0.
KNET Error ellipse: s-maj=4.1km s-min=2.3km az=69.0.
ISC IV 08 17 15 06.3–1.2 43.04N–.04 76.97E–.06 11–8 33 0-11
ISCJB IV 08 17 15 03.7–1.1 43.02N–.04 77.21E–.07 4–6 **¶13438197**
NNC IV 08 17 15 04.7–.21 43.44N 76.89E 7–2 3.1,3.0b
MOS IV 08 17 15 05.1–.86 43.11N 77.15E 15 3.7b,3.0b
KNET IV 08 17 15 06.1–.75 43.03N 76.91E 6–4 2.8L,3.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=6.7km az=17.9.
NNC Error ellipse: s-maj=3.2km s-min=1.5km az=154.0.
MOS Event type fe. Error ellipse: s-maj=14.2km s-min=9.7km az=145.6. Felt (II) at Almaaty. Moment Tensor Solution.
KNET Error ellipse: s-maj=5.5km s-min=2.8km az=91.0.
ISC IV 13 03 58 29.1–2.6 42.6N–.20 79.9E–.10 10 13 2-12
NNC IV 13 03 58 29.8–2.0 42.41N 79.86E 0 4.2b,3.8 **¶12607713**
ISC Event type ke.
NNC Error ellipse: s-maj=20.7km s-min=6.3km az=157.0.
KNET IV 25 10 00 49.8–.30 42.60N 75.13E 16–3 1.2L
¶15054410
KNET Error ellipse: s-maj=3.0km s-min=2.1km az=10.0.
ISC IV 28 03 09 52.4–1.1 42.9N–.10 78.12E–.06 11 26 1-74
IDC IV 28 03 09 51.0–1.2 42.94N 78.18E 0 3.6L,3.5 **¶12936372**
NNC IV 28 03 09 53.2–.93 43.07N 78.11E 0 3.9b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=10.0km az=146.0.
NNC Error ellipse: s-maj=10.7km s-min=4.6km az=161.0.
ISC V 12 22 56 21.7–1.6 42.09N–.08 76.04E–.05 5–11 18 0-6
NNC V 12 22 56 21.8–.76 42.10N 76.07E 0 3.0b,2.8 **¶13568596**
KNET V 12 22 56 21.0–.56 42.10N 76.07E 11–8 2.1L,2.8
ISC Event type ke.
NNC Error ellipse: s-maj=4.7km s-min=2.6km az=11.0.
KNET Error ellipse: s-maj=6.6km s-min=4.5km az=94.0.
ISC V 15 19 11 36.8–1.7 43.0N–.10 78.21E–.09 24 15 1-8
NNC V 15 19 11 34.2–1.1 43.11N 78.33E 0 3.5b,3.1 **¶13584208**
ISC Event type ke.
NNC Error ellipse: s-maj=12.7km s-min=3.2km az=156.0.
ISC V 16 12 35 02.8–1.1 42.30N–.06 76.13E–.06 9–11 14 0-4
NNC V 16 12 35 03.3–1.2 42.36N 76.16E 0 2.7b,2.3 **¶13584245**
KNET V 16 12 35 03.0–.57 42.34N 76.15E 0 1.9L,2.3
ISC Event type ke.
NNC Error ellipse: s-maj=8.2km s-min=5.1km az=16.0.
KNET Error ellipse: s-maj=7.4km s-min=2.0km az=37.0.
ISC V 27 00 59 33.2–1.1 42.97N–.05 75.84E–.03 16–8 17 0-4
NNC V 27 00 59 32.7–2.0 43.13N 75.77E 0 2.8,2.8b **¶13653544**
KNET V 27 00 59 32.7–.66 42.94N 75.79E 21–2 1.6L,2.8b
ISCJB V 27 00 59 33.5–.88 42.97N–.05 75.83E–.04 14–5 1.6L,2.8b
ISC Event type ke.
ISCJB Event type ke.
ISC V 29 01 24 52.4–1.7 43.0N–.10 77.71E–.08 14 12 1-8
NNC V 29 01 24 51.4–1.0 43.03N 77.79E 0 2.8b,2.6 **¶13653688**
ISC Event type ke.
NNC Error ellipse: s-maj=10.0km s-min=5.7km az=6.0.
ISC VI 03 16 37 20.2–2.3 43.0N–.20 78.6E–.10 24 9 2-8
NNC VI 03 16 37 24.8–2.6 43.63N 78.87E 0 3.1b,2.7 **¶13680304**
ISC Event type ke.
NNC Error ellipse: s-maj=41.2km s-min=7.6km az=151.0.
ISC VI 22 12 12 58.8–1.1 42.25N–.07 76.18E–.03 2–12 20 0-9
ISCJB VI 22 12 12 57.5–1.3 42.17N–.06 76.27E–.06 5–5 **¶13841194**
NNC VI 22 12 12 57.4–.72 42.19N 76.22E 0 3.2b,3.0
KNET VI 22 12 12 58.4–.36 42.22N 76.15E 0 2.5L,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.8km az=153.8.
NNC Error ellipse: s-maj=4.6km s-min=2.1km az=3.0.
KNET Error ellipse: s-maj=2.9km s-min=2.0km az=179.0.
ISC VI 26 07 52 42.4–1.1 42.88N–.04 76.49E–.04 10–11 22 0-8
ISCJB VI 26 07 52 41.8–.74 42.90N–.04 76.51E–.05 4–8 **¶13841506**
NNC VI 26 07 52 41.8–.44 42.90N 76.49E 3–5 3.2b,2.6
KNET VI 26 07 52 42.9–.51 42.85N 76.41E 15–2 2.6L,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.2km az=140.0.
NNC Error ellipse: s-maj=10.6km s-min=0.8km az=163.0.
KNET Error ellipse: s-maj=4.1km s-min=2.2km az=56.0.

(331) Kazakhstan-Xinjiang border region.

ISC I 09 15 47 48.4–2.4 45.3N–.10 81.2E–.20 35 14 2-8
NNC I 09 15 47 41.9–.80 45.22N 81.28E 0 3.7b,3.4 **¶12581697**
ISCJB I 09 15 47 47.4–1.5 45.34N–.08 81.1E–.20 35 3.7b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC I 15 00 08 48.6–.32 45.85N–.03 80.87E–.03 27–2 4.5b,3.8s 320 1-82
LDG I 15 00 08 43.8–.13 45.74N 80.80E 10 4.6b,3.8s **¶13404870**
BJI I 15 00 08 45.9 45.78N 80.85E 11 4.9b,4.5s
ISCJB I 15 00 08 46.5–.76 45.92N–.03 80.72E–.03 15–4 4.4b,3.7s
NNC I 15 00 08 46.6–.90 45.82N 80.66E 16 4.6b,4.5
IDC I 15 00 08 47.8–.66 45.64N 81.08E 32–3 4.1,4.1L
MOS I 15 00 08 48.5–1.2 45.85N 80.79E 33 4.6b,4.1L
NEIC I 15 00 08 48.5–1.5 45.73N 80.95E 29–12 4.6b,4.1L
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=4.1km az=7.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.5km az=169.8.
NNC Error ellipse: s-maj=14.6km s-min=5.1km az=147.0.
IDC Error ellipse: s-maj=10.5km s-min=9.1km az=145.0.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=5.2km az=128.1. Felt (III) at Uchural. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.9km az=73.0.
ISC I 25 01 47 47.4–.19 43.32N–.03 80.90E–.02 20 5.2b,4.5s 933 3-159
LDG I 25 01 47 43.1–.12 43.15N 80.83E 10 5.0b,4.3s **¶13433989**
IDC I 25 01 47 43.9–.37 43.24N 80.86E 0 4.9,4.9
BJI I 25 01 47 44.3 43.30N 80.80E 7 5.2L,5.2b
ISCJB I 25 01 47 45.7–.10 43.24N–.02 80.90E–.02 20 5.1b,4.6s
MOS I 25 01 47 47.9–.90 43.37N 80.92E 33 5.3b,4.6s
NEIC I 25 01 47 47.2–.11 43.24N 80.89E 19 5.3b,4.6s
DJA I 25 01 47 49 43.17N 80.88E 21 5.3b,4.6s
NNC I 25 01 47 50.5–.92 43.75N 80.51E 0 5.2b,5.1
SZGRF I 25 01 47 58.1 44.41N 79.90E 24 5.3b,4.6s
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=26.0.
IDC Error ellipse: s-maj=9.0km s-min=7.7km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=13.8.
MOS Error ellipse: s-maj=5.4km s-min=3.7km az=123.8.
NEIC Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=48.0. Felt at Almaty, Kazakhstan.
NNC Error ellipse: s-maj=10.1km s-min=3.9km az=138.0.
SZGRF Eastern Kazakhstan.
NNC I 26 11 41 14.1–6.7 47.76N 84.46E 0 4.0b,4.0
¶12699273
NNC Error ellipse: s-maj=54.6km s-min=26.8km az=80.0.
ISC II 13 23 32 43.6–.39 46.77N–.03 84.41E–.03 18–2 4.8b,3.9s 491 1-93
BGS II 13 23 32 14.7–2.4 44.56N 88.92E 10 4.8b,3.9s **¶13434602**
ISCJB II 13 23 32 39.7–.73 46.75N–.02 84.49E–.03 4–4 4.7b,3.9s
LDG II 13 23 32 40.8–.32 46.93N 84.48E 10 4.8b,3.6s
BJI II 13 23 32 41.6 46.80N 84.64E 29 4.7L,4.6b
IDC II 13 23 32 41.8–.54 46.74N 84.62E 9–3 4.5,4.4
NEIC II 13 23 32 42.5–.20 46.75N 84.50E 11 5.0b,4.4
MOS II 13 23 32 42.2–1.1 46.73N 84.47E 22 5.2b,4.4
NNC II 13 23 32 44.9–1.1 46.67N 84.38E 110–6 4.6,3.9b
ASRS II 13 23 32 45.2–1.4 46.84N 84.46E 15 4.2s,3.9b
SZGRF II 13 23 33 02.7 47.60N 81.60E 33 4.7b,3.9b
ISC Event type ke.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=39.3.
LDG Event type ke. Error ellipse: s-maj=21.1km s-min=5.4km az=176.0.
IDC Error ellipse: s-maj=9.7km s-min=6.6km az=12.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.6km az=181.0.
MOS Error ellipse: s-maj=5.8km s-min=4.3km az=122.0.
NNC Error ellipse: s-maj=11.2km s-min=5.9km az=90.0.
SZGRF Eastern Kazakhstan.
ISC II 15 02 38 56.3–1.3 46.6N–.10 84.47E–.09 10 10 2-80
ISCJB II 15 02 38 53.9–.72 46.74N–.07 84.55E–.08 10 3.4s,3.4b **¶12700739**
IDC II 15 02 38 53.4–1.4 46.59N 84.69E 0 3.5b,3.4
NNC II 15 02 38 57.4–3.5 46.36N 84.26E 0 3.2,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.9km az=35.1.
IDC Error ellipse: s-maj=15.3km s-min=13.2km az=24.0.
NNC Error ellipse: s-maj=21.2km s-min=14.7km az=107.0.
ISC II 17 00 26 53.1–.42 46.67N–.03 84.41E–.03 10 4.1b 100 1-83
NNC II 17 00 26 47.6–.88 46.70N 84.81E 0 4.4,4.3b **¶13434696**
ISCJB II 17 00 26 50.0–.28 46.71N–.03 84.54E–.05 10 4.0b,4.3b
LDG II 17 00 26 49.4–.20 46.74N 84.65E 10 4.4b,4.3b
IDC II 17 00 26 50.2–.65 46.69N 84.69E 0 4.1,4.1L
MOS II 17 00 26 52.9–1.4 46.71N 84.42E 28 4.2b,4.1L
BJI II 17 00 26 53.2 46.68N 84.50E 14 4.4b,4.3b
ASRS II 17 00 26 57.6–2.3 46.90N 85.22E 15 3.6s,4.3b
ISC Event type ke.
NNC Error ellipse: s-maj=6.8km s-min=4.1km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=156.3.
LDG Event type ke. Error ellipse: s-maj=8.9km s-min=7.3km az=48.0.
IDC Error ellipse: s-maj=12.2km s-min=9.1km az=19.0.
MOS Error ellipse: s-maj=10.8km s-min=7.3km az=103.9.
NNC II 27 01 04 20.9–3.0 46.69N 84.40E 0 3.4b,3.3
¶12933849
NNC Error ellipse: s-maj=22.2km s-min=11.1km az=92.0.
ISC IV 04 06 41 32.2–1.4 46.75N–.08 83.36E–.05 18–8 3.6b 45 1-90
IDC IV 04 06 41 29.6–.82 46.78N 83.52E 0 3.8,3.6 **¶12606156**
BJI IV 04 06 41 31.3 46.81N 83.29E 6 3.5L,3.6
NNC IV 04 06 41 33.0–.69 46.82N 83.30E 0 3.7b,3.6
ISCJB IV 04 06 41 33.2–.69 46.85N–.04 83.29E–.06 37–8 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC IV 16 15 23 26.7–1.7 48.5N–.10 86.7E–.10 10 7 3-12
ISCJB IV 16 15 23 24.2–1.4 48.45N–.07 86.6E–.20 10 **¶12601059**
BJI IV 16 15 23 28.4 48.37N 86.63E 5 3.5L
NNC IV 16 15 23 35.9–3.4 48.67N 85.48E 0 3.9b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=8.3km az=152.0.
NNC Error ellipse: s-maj=29.0km s-min=15.2km az=89.0.
ISC V 04 00 19 17.5–1.7 49.85N–.06 87.8E–.10 11 36 0-39
MOS V 04 00 19 15.3–2.9 49.80N 88.02E 8 4.2b **¶13546565**
IDC V 04 00 19 16.2–2.1 49.79N 87.79E 0 3.5,3.5
ISCJB V 04 00 19 16.9–.96 49.84N–.04 87.61E–.09 11 3.1b,3.5
NNC V 04 00 19 17.7–1.3 49.79N 87.63E 0 3.8b,3.6
ISC Event type ke.
MOS Error ellipse: s-maj=21.2km s-min=11.1km az=102.1.
IDC Error ellipse: s-maj=20.2km s-min=12.4km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.8km az=23.4.
NNC Error ellipse: s-maj=11.5km s-min=7.4km az=59.0.
NNC V 21 06 35 45.2–4.7 49.90N 87.08E 0 3.6b,3.1
¶13598400
NNC Error ellipse: s-maj=36.5km s-min=22.4km az=77.0.
NNC VI 14 10 22 54.6–1.5 43.75N 80.41E 0 3.8b,3.5
¶13196763
NNC Error ellipse: s-maj=17.5km s-min=7.2km az=144.0.
NNC VI 20 08 39 43.4–4.2 43.34N 80.89E 0 3.7b,3.4
¶13207247
NNC Error ellipse: s-maj=45.9km s-min=13.2km az=138.0.

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ISC I 02 08 46 59.4–.49 43.12N–.05 84.85E–.04 10 4.0b 83 2-80
IDC I 02 08 46 56.5–.63 43.06N 84.85E 0 4.1,4.0b **¶12079811**
BJI I 02 08 46 57.9 42.90N 84.75E 14 4.4b,4.1L
ISCJB I 02 08 46 57.3–.30 43.30N–.03 84.77E–.04 10 4.0b,3.7s
NEIC I 02 08 47 00.5–2.2 43.13N 84.82E 25–17 4.2b,3.7s
MOS I 02 08 47 00.6–1.2 43.27N 84.87E 33 4.3b,3.7s
NNC I 02 08 47 05.6–6.7 43.44N 84.05E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=9.9km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.9km az=39.6.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.5km az=177.0.
MOS Error ellipse: s-maj=11.4km s-min=6.9km az=115.7.
NNC Error ellipse: s-maj=69.6km s-min=28.7km az=141.0.
ISC I 03 14 16 36.3–2.6 43.7N–.10 84.3E–.20 32 8 3-16
NNC I 03 14 16 31.8–2.7 43.68N 84.28E 0 3.4b,3.1 **¶12079907**
IDC I 03 14 16 42.5–4.2 44.45N 84.02E 0 3.2,3.2
ISC Event type ke.
NNC Error ellipse: s-maj=27.4km s-min=14.8km az=95.0.
IDC Error ellipse: s-maj=54.5km s-min=25.7km az=25.0.
ISC I 03 20 40 58.2–.91 42.20N–.09 84.74E–.07 10 4.2b 40 3-76
ISCJB I 03 20 40 56.7–.60 42.30N–.07 84.74E–.06 10 4.0b **¶13404582**
NEIC I 03 20 40 57.2–1.0 42.14N 84.83E 10 4.2b
IDC I 03 20 40 58.3–3.0 42.28N 84.35E 0 3.9,3.8b
BJI I 03 20 40 58.7 42.07N 84.72E 14 3.7L,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.5km az=160.8.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=11.8km az=111.0.
IDC Error ellipse: s-maj=73.6km s-min=19.8km az=90.0.
NNC I 17 23 37 58.8–6.9 43.98N 87.76E 0 3.7b,3.4
¶12698954
NNC Error ellipse: s-maj=69.5km s-min=56.4km az=68.0.
ISC I 18 03 35 43.9–5.3 44.0N–.50 84.2E–.30 20 5 3-8
NNC I 18 03 35 46.3–5.3 43.92N 83.58E 29–25 2.5b,2.0 **¶12698963**
ISC Event type ke.
NNC Error ellipse: s-maj=46.0km s-min=36.4km az=97.0.
ISC I 26 07 39 14.6–1.4 43.9N–.10 82.41E–.08 35 6 3-9
ISCJB I 26 07 39 12.6–1.2 43.99N–.09 82.37E–.09 33 **¶12699260**
NNC I 26 07 39 13.8–5.3 43.98N 82.08E 0 3.6b,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=7.5km az=31.9.

NNC Error ellipse: s-maj=49.8km s-min=27.3km az=122.0.
ISC I 30 01 35 29.4–2.8 42.3N–.10 81.9E–.10 10 8 5-9
ISCJB I 30 01 35 27.8–2.2 42.3N–.10 81.9E–.20 10 ¶12790603
NNC I 30 01 35 36.0–5.7 42.72N 81.38E 0 3.5b,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.4km s-min=7.4km az=44.4.
NNC Error ellipse: s-maj=53.5km s-min=15.9km az=138.0.
ISC II 01 20 17 53.0–.99 43.59N–.09 87.07E–.05 29 3.8b 22 1-77
NNC II 01 20 17 48.5–3.1 42.73N 85.08E 0 3.7b,3.2 ¶12699357
IDC II 01 20 17 48.2–1.4 43.40N 86.95E 0 3.8b,3.7
ISCJB II 01 20 17 51.5–.78 43.65N–.07 86.89E–.06 29 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC II 14 17 51 24.3–4.9 43.7N–.40 85.0E–.20 10 5 2-8
NNC II 14 17 51 25.9–2.0 43.81N 84.79E 0 2.8b,2.5 ¶12835853
ISC Event type ke.
NNC Error ellipse: s-maj=50.4km s-min=15.5km az=60.0.
ISC II 23 00 46 35.6–.85 42.74N–.08 85.98E–.06 22 3.7b 26 2-77
IDC II 23 00 46 30.8–.97 42.52N 85.88E 0 3.6,3.6b ¶12701580
ISCJB II 23 00 46 33.4–.70 42.73N–.06 85.97E–.09 22 3.7b,3.6b
BJI II 23 00 46 33.3 42.57N 85.88E 8 3.4L,3.6b
NNC II 23 00 46 34.6–5.7 42.92N 86.12E 0 3.7b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=14.5km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=7.7km az=135.6.
NNC Error ellipse: s-maj=47.0km s-min=31.7km az=109.0.
NNC II 26 22 10 23.1–4.5 47.49N 89.26E 32–33 3.2b,2.8
¶12933771
NNC Error ellipse: s-maj=40.5km s-min=24.2km az=39.0.
ISC III 02 06 16 58.0–.96 44.16N–.08 83.41E–.06 20 3.4b 25 3-75
IDC III 02 06 16 52.4–1.3 43.93N 83.51E 0 3.5,3.4b ¶12702240
ISCJB III 02 06 16 56.7–.74 44.37N–.06 83.44E–.08 20 3.3b,3.4b
NNC III 02 06 17 02.0–2.3 44.28N 83.08E 21–10 3.6b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=13.3km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=7.5km az=19.3.
NNC Error ellipse: s-maj=18.0km s-min=10.9km az=119.0.
ISC III 02 22 19 45.3–1.5 44.49N–.10 83.29E–.07 35 5 2-7
NNC III 02 22 19 38.2–1.6 44.45N 83.59E 0 3.5b,3.1 ¶12933962
ISC Event type ke.
NNC Error ellipse: s-maj=17.7km s-min=8.1km az=102.0.
NNC III 02 22 23 13.4–3.8 44.27N 83.22E 0 3.3b,3.0
¶12933961
NNC Error ellipse: s-maj=37.6km s-min=23.9km az=97.0.
ISC III 05 16 11 09.8–1.5 43.6N–.10 84.02E–.07 10 7 3-8
ISCJB III 05 16 11 06.6–1.5 43.5N–.20 84.20E–.07 10 ¶12934084
NNC III 05 16 11 09.0–1.2 43.51N 84.05E 0 3.2b,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.6km s-min=7.2km az=3.9.
NNC Error ellipse: s-maj=13.9km s-min=6.7km az=96.0.
ISC III 23 22 03 51.7–1.4 43.7N–.10 82.1E–.10 24 3.6b 19 3-74
IDC III 23 22 03 48.0–1.7 43.71N 82.33E 0 3.6b,3.5 ¶12635420
NNC III 23 22 03 55.2–2.8 44.01N 81.94E 0 3.5b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=15.3km az=120.0.
NNC Error ellipse: s-maj=25.7km s-min=14.2km az=127.0.
ISC III 24 03 39 19.2–.61 42.45N–.04 87.19E–.03 25–4 4.7b,3.6s 363 1-146
LDG III 24 03 39 15.1–.12 42.37N 86.97E 10 4.9b,3.3s ¶13437146
ISCJB III 24 03 39 15.4–.77 42.44N–.02 87.21E–.03 13–5 4.7b,3.7s
IDC III 24 03 39 15.0–.50 42.39N 87.26E 0 4.5,4.4
BJI III 24 03 39 16.9 42.30N 87.20E 8 4.5L,4.5b
MOS III 24 03 39 17.1–.85 42.48N 87.22E 24 4.9b,4.5b
NEIC III 24 03 39 18.3–1.1 42.42N 87.26E 21–7 4.9b,4.5b
NNC III 24 03 39 20.5–2.5 42.80N 86.94E 0 4.6,4.5b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=33.9.
IDC Error ellipse: s-maj=15.1km s-min=9.9km az=42.0.
MOS Error ellipse: s-maj=8.3km s-min=4.5km az=132.7.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.6km az=186.0.
NNC Error ellipse: s-maj=25.8km s-min=16.0km az=85.0.
ISC IV 27 16 19 55.0–2.0 43.7N–.10 84.2E–.10 10 8 3-78
IDC IV 27 16 19 46.6–1.2 43.13N 83.52E 0 3.8b,3.7 ¶12742330
NNC IV 27 16 19 54.3–1.4 43.67N 84.03E 0 3.4b,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=16.5km az=75.0.
NNC Error ellipse: s-maj=12.5km s-min=4.4km az=132.0.
ISC V 04 02 14 01.1–.71 43.95N–.07 88.20E–.06 18 3.5b 30 0-79
IDC V 04 02 13 58.1–.89 43.77N 88.18E 0 3.7,3.6L ¶13546571
ISCJB V 04 02 13 59.3–.57 44.03N–.05 88.24E–.06 18 3.5b,3.6L
NNC V 04 02 14 02.2–2.4 44.01N 87.83E 0 3.7b,3.4
BJI V 04 02 14 03.0 43.77N 88.06E 14 4.2b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=14.3km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.9km az=31.0.
NNC Error ellipse: s-maj=17.9km s-min=16.9km az=51.0.
ISC V 12 02 27 35.0–.34 42.24N–.04 84.72E–.03 10 4.3b 202 3-145
LDG V 12 02 27 31.9–.12 42.14N 84.63E 10 4.8b ¶13439521
ISCJB V 12 02 27 32.6–.28 42.27N–.03 84.85E–.03 10 4.3b,4.2s
IDC V 12 02 27 32.9–.55 42.35N 84.82E 0 4.2,4.1
BJI V 12 02 27 35.4 42.32N 84.78E 11 4.8b,4.4L
MOS V 12 02 27 37.7–.80 42.39N 84.73E 46 5.0b,4.4L
NNC V 12 02 27 37.3–4.1 42.46N 84.88E 8–13 4.1b,4.1
NEIC V 12 02 27 39.1–.69 42.40N 84.78E 42–5 4.9b,4.1
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=19.6.
IDC Error ellipse: s-maj=14.8km s-min=10.2km az=47.0.
MOS Error ellipse: s-maj=8.0km s-min=5.6km az=134.9.
NNC Error ellipse: s-maj=31.4km s-min=10.6km az=128.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.7km az=179.0.
NNC V 18 12 26 25.7–7.3 43.74N 81.70E 0 2.9b,2.5
¶13584350
NNC Error ellipse: s-maj=52.1km s-min=43.9km az=163.0.
IDC V 20 23 41 01.0–1.9 42.54N 85.77E 0 3.4b,3.4
NNC V 20 23 41 10.2–2.0 42.72N 85.14E 0 3.1b,2.7 ¶13598389
IDC Error ellipse: s-maj=91.2km s-min=18.3km az=59.0.
NNC Error ellipse: s-maj=19.7km s-min=13.4km az=71.0.
ISC V 23 13 23 35.0–.54 43.79N–.07 86.95E–.05 20 3.7b 45 1-87
IDC V 23 13 23 32.0–.67 43.72N 87.00E 0 4.3L,4.1 ¶13598517
BJI V 23 13 23 36.1 43.77N 87.09E 5 4.3b,4.0L
NNC V 23 13 23 44.5–2.5 44.01N 86.41E 75–42 3.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=10.1km az=49.0.
NNC Error ellipse: s-maj=20.3km s-min=15.1km az=111.0.
ISC V 23 22 49 52.7–.59 43.97N–.05 82.76E–.04 10 3.8b 43 3-82
ISCJB V 23 22 49 52.5–.43 44.11N–.04 82.81E–.06 10 3.9b ¶13439768
IDC V 23 22 49 52.5–.83 43.95N 82.86E 0 3.7,3.6
BJI V 23 22 49 54.5 44.02N 82.75E 10 3.9b,3.5L
NNC V 23 22 49 59.8–1.8 44.36N 82.40E 0 3.8b,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.0km az=144.3.
IDC Error ellipse: s-maj=13.8km s-min=9.7km az=85.0.
NNC Error ellipse: s-maj=18.4km s-min=7.5km az=123.0.
ISC VI 02 21 09 53.1–1.4 46.96N–.09 90.26E–.10 10 20 4-21
ISCJB VI 02 21 09 51.6–.96 47.00N–.06 90.0E–.10 10 3.5b ¶13193840
NNC VI 02 21 09 54.2–1.0 47.25N 90.05E 0 3.8b,3.6
BJI VI 02 21 09 54.0 46.72N 90.08E 7 3.5L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.3km az=146.2.
NNC Error ellipse: s-maj=8.9km s-min=8.0km az=16.0.

ISC VI 05 11 37 12.1–.62 42.26N–.06 87.09E–.06 10 3.9b 30 2-79
ISCJB VI 05 11 37 09.8–.53 42.23N–.04 87.00E–.06 10 3.8b,2.6s ¶13195148
NNC VI 05 11 37 12.1–5.3 42.34N 87.04E 0 3.9b,3.5
BJI VI 05 11 37 12.7 42.16N 87.08E 8 4.1b,3.8L
IDC VI 05 11 37 13.7–.72 42.26N 87.11E 24–5 3.9,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.9km az=140.0.
NNC Error ellipse: s-maj=138.9km s-min=47.8km az=55.0.
IDC Error ellipse: s-maj=21.4km s-min=11.3km az=43.0.
ISC VI 11 12 10 36.1–1.1 43.65N–.09 83.32E–.07 10 3.6b 20 3-81
IDC VI 11 12 10 34.7–.97 43.51N 83.23E 0 3.7,3.6 ¶13196219
NNC VI 11 12 10 38.0–5.5 43.84N 83.82E 0 3.6b,3.3
BJI VI 11 12 10 39.0 43.60N 83.29E 16 3.4L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=10.9km az=68.0.
NNC Error ellipse: s-maj=44.9km s-min=30.6km az=133.0.
ISC VI 11 17 59 21.8–.34 42.18N–.04 83.00E–.03 10 4.6b,3.9s 335 4-144
LDG VI 11 17 59 19.0–.15 41.96N 82.84E 10 4.7b,2.4s ¶13469963
ISCJB VI 11 17 59 20.0–.18 42.14N–.03 83.01E–.03 10 4.5b,3.8s
IDC VI 11 17 59 20.3–.48 42.14N 83.01E 0 4.4,4.4
NNC VI 11 17 59 20.8–2.0 42.09N 83.15E 0 4.7b,4.5
BJI VI 11 17 59 22.5 42.09N 82.91E 19 4.7b,4.5L
MOS VI 11 17 59 23.9–.93 42.24N 82.99E 35 4.8b,4.5L
SZGRF VI 11 17 59 24.2 42.39N 83.82E 33 4.6b,4.5L
NEIC VI 11 17 59 25.9–.47 42.21N 82.95E 36–4 4.8b,4.5L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=5.3km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=36.7.
IDC Error ellipse: s-maj=12.0km s-min=8.9km az=35.0.
NNC Error ellipse: s-maj=19.3km s-min=11.5km az=123.0.
MOS Error ellipse: s-maj=6.8km s-min=4.2km az=129.4.
SZGRF Northern Xinjiang, China.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.4km az=193.0.
ISC VI 21 00 01 15.6–.00 44.1N–.10 88.4E–.10 35 4.0b 30 5-79
IDC VI 21 00 01 14.7–4.3 44.10N 88.64E 34–34 3.8,3.7b ¶13366440
NNC VI 21 00 01 17.6–3.4 44.43N 87.95E 0 3.7b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=54.3km s-min=16.2km az=46.0.
NNC Error ellipse: s-maj=30.2km s-min=21.7km az=83.0.
ISC VI 23 17 27 35.0–1.0 44.2N–.10 87.19E–.09 20 19 1-15
ISCJB VI 23 17 27 33.7–.64 44.33N–.08 87.1E–.10 20 ¶13278922
IDC VI 23 17 27 34.0–3.3 44.10N 86.73E 0 3.8L,3.7
BJI VI 23 17 27 35.3 43.97N 86.93E 9 3.5L,3.7
NNC VI 23 17 27 35.1–6.3 44.24N 86.83E 0 3.9b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=4.9km az=139.2.
IDC Error ellipse: s-maj=37.9km s-min=21.0km az=19.0.
NNC Error ellipse: s-maj=46.4km s-min=44.4km az=176.0.

(333) Tuva-Buryatia-Mongolia border region.

NNC I 05 04 36 19.9–2.5 50.77N 89.02E 0–12 3.6b,3.2
¶12698685
NNC Error ellipse: s-maj=17.1km s-min=12.5km az=66.0.
ISC I 09 13 50 50.4–.63 50.19N–.08 97.79E–.05 10 3.8b,2.9s 42 3-80
ISCJB I 09 13 50 47.7–.49 50.13N–.09 97.67E–.06 10 3.7b,2.9s ¶11615728
IDC I 09 13 50 47.9–.66 50.27N 97.83E 0 3.8b,3.8
MOS I 09 13 50 48.3–1.1 50.10N 97.67E 17 4.0b,3.8
ASRS I 09 13 50 51.5–1.6 50.34N 97.44E 15 3.8s,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=5.7km az=5.3.
IDC Error ellipse: s-maj=22.1km s-min=10.6km az=13.0.
MOS Error ellipse: s-maj=13.0km s-min=10.5km az=31.9.
ISC I 10 19 54 28.5–1.4 49.52N–.04 88.41E–.04 5–10 42 1-18
IDC I 10 19 54 27.6–1.9 49.38N 88.57E 0 3.6,3.6 ¶11615732
MOS I 10 19 54 28.5–1.5 49.38N 88.45E 15 4.3b,3.6
ASRS I 10 19 54 28.5–1.3 49.38N 88.45E 15 3.0s,3.6
NNC I 10 19 54 34.7–3.2 49.54N 87.81E 0 4.0,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=15.6km az=137.0.
MOS Error ellipse: s-maj=16.7km s-min=10.3km az=99.3.
NNC Error ellipse: s-maj=28.0km s-min=18.2km az=80.0.
ISC I 17 09 06 32.0–.88 50.05N–.10 97.82E–.05 10 17 3-17
ASRS I 17 09 06 27.6–1.9 50.24N 97.66E 15 3.5s ¶12081526
IDC I 17 09 06 30.9–1.9 50.51N 98.29E 0 3.2,3.2
MOS I 17 09 06 30.4–2.8 49.88N 97.79E 11 4.4b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=54.3km s-min=15.5km az=15.0.
MOS Error ellipse: s-maj=14.7km s-min=12.2km az=155.2.
ISC I 24 15 37 42.8–.78 49.95N–.04 88.25E–.04 10–4 3.6b 72 1-84
MOS I 24 15 37 41.7–1.7 49.82N 88.33E 14 4.0b ¶11659192
IDC I 24 15 37 41.7–.77 49.86N 88.46E 0 3.8,3.8L
ASRS I 24 15 37 42.3–1.4 49.90N 88.28E 15 3.2s,3.8L
BJI I 24 15 37 45.0 49.63N 88.16E 8 4.0L,3.8b
NNC I 24 15 37 50.4–2.2 49.65N 88.00E 172–22 4.2,3.1b
ISC Event type ke.
MOS Error ellipse: s-maj=9.3km s-min=7.3km az=117.3.
IDC Error ellipse: s-maj=12.8km s-min=9.8km az=5.0.
NNC Error ellipse: s-maj=18.0km s-min=12.4km az=83.0.
ISC I 30 22 31 04.5–2.0 49.88N–.07 88.3E–.20 10 23 5-43
IDC I 30 22 31 01.8–1.8 49.87N 88.33E 0 3.7L,3.7b ¶12082769
NNC I 30 22 31 07.1–3.2 49.78N 87.88E 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=12.0km az=103.0.
NNC Error ellipse: s-maj=26.3km s-min=16.2km az=83.0.
IDC II 06 08 17 27.6–2.5 50.92N 94.70E 0 3.0,3.0
¶15955132
IDC Error ellipse: s-maj=42.8km s-min=20.8km az=7.0.
NNC II 14 18 25 15.2–4.1 49.98N 88.01E 0 3.7b,3.3
¶12835852
NNC Error ellipse: s-maj=30.6km s-min=19.6km az=73.0.
ISC II 17 00 47 40.7–1.2 51.94N–.03 101.15E–.02 0–9 3.6b 70 0-81
IDC II 17 00 47 41.3–1.1 52.03N 101.48E 0 3.8b,3.7 ¶12700965
MOS II 17 00 47 42.0–1.6 51.88N 101.01E 12 4.6b,3.7
BYKL II 17 00 47 43.6–.56 51.87N 101.01E 4.6b,3.7
NNC II 17 00 47 46.8–5.7 49.02N 101.40E 0 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=15.2km az=25.0.
MOS Event type fe. Error ellipse: s-maj=9.8km s-min=9.7km az=81.5. Felt (II-III) Mondy, Orlik. Moment Tensor Solution.
BYKL Event type se. FELT I=IV MSK at Mondy and III at Sorok,Orlik and II at Irkutsk.
NNC Error ellipse: s-maj=61.2km s-min=44.4km az=72.0.
ISC II 24 05 05 49.2–1.3 52.79N–.05 100.17E–.06 4–14 35 0-8
MOS II 24 05 05 48.0–1.2 52.85N 100.04E 4 4.2b ¶14012077
BYKL II 24 05 05 50.0–.32 52.76N 100.18E 11–4 4.2b
ISC Event type se.
MOS Error ellipse: s-maj=37.7km s-min=26.1km az=108.6.
BYKL Event type se.
MOS IV 07 14 07 25.4–1.0 52.00N 98.70E 10 4.3b
¶14210709
MOS Error ellipse: s-maj=73.6km s-min=37.1km az=163.6.
ISC IV 14 16 08 05.5–1.2 49.98N–.07 88.16E–.07 11 23 4-14
ISCJB IV 14 16 08 03.4–.90 50.03N–.05 88.22E–.08 11 ¶12935249
IDC IV 14 16 08 03.5–1.8 50.00N 88.27E 0 3.3,3.3
NNC IV 14 16 08 08.3–2.3 49.86N 87.82E 0 3.8b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=7.1km az=7.3.
IDC Error ellipse: s-maj=17.5km s-min=14.2km az=103.0.
NNC Error ellipse: s-maj=17.8km s-min=11.0km az=77.0.
MOS V 02 08 53 33.3–1.5 50.30N 98.42E 8 4.4b
¶14264749
MOS Error ellipse: s-maj=61.2km s-min=20.9km az=50.1.

ISC	**V**	**12 12 33 53.2–.82**	**50.61N–.09**	**97.57E–.05**	**10**		**26**	**2-46**	
IDC	V	12 12 33 50.8–1.5	50.56N	97.62E	0	3.7b,3.4			¶13678814
MOS	V	12 12 33 51.5–1.4	50.70N	97.40E	14	4.5b,3.4			
NNC	V	12 12 35 02.2–3.9	48.79N	94.43E	0	3.6b,3.3			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=38.3km s-min=15.1km az=10.0.								
MOS	Error ellipse: s-maj=13.6km s-min=9.1km az=178.8.								
NNC	Error ellipse: s-maj=35.8km s-min=22.5km az=60.0.								
ISC	**V**	**13 00 53 07.0–.74**	**49.86N–.04**	**114.11E–.04**	**10**	**3.2b**	**76**	**1-62**	
MOS	V	13 00 53 05.9–1.9	49.60N	114.30E	10	4.3b			¶13678846
BYKL	V	13 00 53 05.6–.88	49.56N	114.28E		4.3b			
BJI	V	13 00 53 06.3	49.60N	114.40E	12	4.3L,3.7s			
IDC	V	13 00 53 08.7–2.9	49.69N	113.47E	0	3.5L,3.4			
ISC	Event type se.								
MOS	Error ellipse: s-maj=22.2km s-min=10.6km az=101.5.								
BYKL	Event type se.								
IDC	Error ellipse: s-maj=83.2km s-min=17.4km az=155.0.								
NNC	**VI**	**14 14 28 05.4–2.1**	**49.83N**	**88.06E**	**0**	**3.8b,3.4**			¶13762657
NNC	Error ellipse: s-maj=18.6km s-min=10.7km az=51.0.								
MOS	**VI**	**17 17 37 37.3–1.3**	**51.90N**	**98.16E**	**8**	**4.3b**			¶14306188
MOS	Error ellipse: s-maj=49.4km s-min=30.5km az=12.8.								
MOS	**VI**	**19 13 54 18.8–1.7**	**51.27N**	**100.09E**	**12**	**4.3b**			
BYKL	VI	19 13 54 17.1–.86	51.15N	100.09E		4.3b			¶14306280
MOS	Error ellipse: s-maj=30.4km s-min=20.5km az=53.2.								
BYKL	Event type se.								

(334) Mongolia.

ISC	**II**	**13 14 29 12.8–1.3**	**50.37N–.05**	**101.54E–.04**	**10**		**50**	**1-12**	
MOS	II	13 14 29 13.8–1.6	50.43N	101.59E	5	4.2b			¶14012073
BYKL	II	13 14 29 13.3–.87	50.38N	101.56E		4.2b			
ISC	Event type se.								
MOS	Error ellipse: s-maj=20.7km s-min=10.6km az=69.0.								
BYKL	Event type se.								
IDC	**II**	**23 05 29 57.5–2.9**	**44.61N**	**100.96E**	**0**	**3.6,3.5**			¶15957040
IDC	Error ellipse: s-maj=61.2km s-min=17.5km az=163.0.								
ISC	**III**	**04 03 44 59.7–.43**	**45.51N–.03**	**101.50E–.03**	**14–2**	**4.6b,4.3s**	**314**	**4-150**	
BJI	III	04 03 44 55.8	45.49N	101.47E	10	5.5L,5.0s			¶11752618
ISCJB	III	04 03 44 57.0–.16	45.43N–.02	101.48E–.03	10	4.6b,4.3s			
IDC	III	04 03 44 57.0–.54	45.45N	101.50E	0	4.4,4.4			
MOS	III	04 03 44 58.7–1.4	45.49N	101.51E	22	4.8b,4.2s			
GCMT	III	04 03 44 59.9–.20	45.49N	101.51E	21–1	4.9W,4.2s			
NEIC	III	04 03 44 59.0–.21	45.44N	101.43E	10	4.8b,4.2s			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=14.1.								
IDC	Error ellipse: s-maj=14.8km s-min=10.2km az=7.0.								
MOS	Error ellipse: s-maj=6.0km s-min=4.9km az=118.3.								
GCMT	Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s34,c37; s73,c131; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21±.13 $M_{\theta\theta}$0.60±.10; $M_{\phi\phi}$-0.39±.10; $M_{r\theta}$0.43±.18; $M_{\theta\phi}$3.14±.09; $M_{\phi r}$-0.58±.18; Best double couple: NP1:ϕ_s274.00000°,δ80.00000°,λ-9.00000°. NP2:ϕ_s5.00000°,δ81.00000°,λ-170.00000°. Principal axes: T 3.2800,Plg1.0000° ,Azm139.0000°; N -0.0400,Plg77.0000°,Azm46.0000°; P -3.2500,Plg13.0000° ,Azm230.0000° $M_0$3.30000×10^{16}								
NEIC	Event type fe. Error ellipse: s-maj=5.0km s-min=4.3km az=152.0. Felt at Arvayheer.								
ISC	**III**	**22 20 36 03.9–.71**	**47.41N–.06**	**106.78E–.09**	**10**	**3.9b**	**33**	**0-75**	
ISCJB	III	22 20 36 01.4–.56	47.47N–.05	107.0E–.10	10	3.8b			¶12635324
IDC	III	22 20 36 01.8–.72	47.42N	106.84E	0	4.0,3.9b			
MOS	III	22 20 36 03.7–1.3	47.52N	106.73E	26	4.1b,3.9b			
BJI	III	22 20 36 06.4	47.34N	106.52E	16	4.5b,4.2b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=11.0km s-min=6.1km az=157.9.								
IDC	Error ellipse: s-maj=22.0km s-min=7.9km az=57.0.								
MOS	Error ellipse: s-maj=17.8km s-min=11.5km az=107.1.								
ISC	**III**	**26 13 29 59.4–.47**	**43.97N–.04**	**107.37E–.04**	**10**	**4.0b,3.4s**	**55**	**4-88**	
ISCJB	III	26 13 29 57.8–.33	43.95N–.03	107.48E–.06	10	3.9b,3.3s			¶12635640
IDC	III	26 13 29 58.3–.71	44.00N	107.48E	0	4.0,3.8b			
BJI	III	26 13 29 59.0	43.96N	107.39E	10	4.7b,4.6L			
MOS	III	26 13 29 59.9–1.5	44.09N	107.54E	25	4.2b,4.6L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=157.8.								
IDC	Error ellipse: s-maj=20.3km s-min=13.5km az=65.0.								
MOS	Error ellipse: s-maj=19.9km s-min=8.6km az=116.5.								
BJI	**IV**	**03 01 51 51.0**	**46.89N**	**116.02E**	**6**	**3.7L**			¶12605930
ISC	**V**	**09 19 35 09.7–1.3**	**49.63N–.09**	**92.03E–.08**	**10**		**9**	**6-14**	
NNC	V	09 19 35 06.5–7.9	49.23N	92.09E	0	3.7b,3.4			¶13553103
ISCJB	V	09 19 35 06.1–1.0	49.6N–.10	91.9E–.10	10	3.7b,3.4			
IDC	V	09 19 35 07.4–1.6	49.69N	91.90E	0	3.3,3.3			
ISC	Event type ke.								
NNC	Error ellipse: s-maj=75.2km s-min=44.4km az=75.0.								
ISCJB	Event type ke. Error ellipse: s-maj=21.2km s-min=10.1km az=12.4.								
IDC	Error ellipse: s-maj=24.5km s-min=15.9km az=7.0.								
IDC	**V**	**25 19 59 31.6–6.0**	**43.92N**	**105.30E**	**0**	**3.5b,3.3**			¶16156158
IDC	Error ellipse: s-maj=83.8km s-min=25.1km az=129.0.								
ISC	**VI**	**04 07 38 39.3–1.3**	**49.67N–.09**	**91.82E–.09**	**10**		**7**	**6-10**	
ISCJB	VI	04 07 38 37.0–1.1	49.6N–.20	91.9E–.10	10				¶13680398
IDC	VI	04 07 38 38.4–1.8	49.56N	91.89E	0	2.7,2.7			
NNC	VI	04 07 39 29.1–14	49.08N	89.63E	0	3.1b,2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=26.0km s-min=12.6km az=7.4.								
IDC	Error ellipse: s-maj=27.4km s-min=17.6km az=6.0.								
NNC	Error ellipse: s-maj=136.6km s-min=87.3km az=33.0.								
ISC	**VI**	**05 09 02 41.4–.53**	**43.72N–.06**	**102.64E–.07**	**10**	**4.2b,3.0s**	**27**	**5-89**	
BJI	VI	05 09 02 37.3	44.39N	102.13E	30	4.2s,4.2b			¶13195130
ISCJB	VI	05 09 02 39.9–.38	43.72N–.04	102.58E–.07	10	4.1b,3.0s			
IDC	VI	05 09 02 40.1–.63	43.72N	102.53E	0	4.1,3.9			
MOS	VI	05 09 02 43.4–.79	43.75N	102.58E	33	4.3b,3.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.4km s-min=6.2km az=175.3.								
IDC	Error ellipse: s-maj=16.7km s-min=14.3km az=71.0.								
MOS	Error ellipse: s-maj=18.4km s-min=10.6km az=97.7.								
ISC	**VI**	**10 08 23 45.9–2.1**	**45.1N–.20**	**93.9E–.10**	**10**		**7**	**5-12**	
BJI	VI	10 08 23 38.8	45.20N	94.12E	10	4.5b,3.9L			¶13195999
NNC	VI	10 08 23 43.9–2.3	45.19N	93.60E	0	3.9b,3.6			
ISC	Event type ke.								
NNC	Error ellipse: s-maj=41.0km s-min=16.8km az=33.0.								
ISC	**VI**	**24 06 55 34.1–.61**	**43.05N–.05**	**104.48E–.05**	**10**	**3.8b**	**21**	**5-90**	
ISCJB	VI	24 06 55 32.2–.57	43.09N–.06	104.45E–.09	10	3.8b			¶13279036
IDC	VI	24 06 55 32.5–1.0	43.18N	104.46E	0	4.0,3.8			
BJI	VI	24 06 55 35.0	42.98N	104.56E	7	4.0L,3.9b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=9.5km s-min=8.5km az=43.8.								
IDC	Error ellipse: s-maj=27.8km s-min=20.1km az=92.0.								

SEISMIC REGION 29.
Western Asia.

(335) Ural Mountains region.

IDC	**I**	**13 02 33 47.1–417**	**61.59N**	**58.08E**	**0**				¶12081161
IDC	Error ellipse: s-maj=73.5km s-min=45.6km az=168.0.								
NNC	**VI**	**26 10 46 38.3–3.1**	**54.76N**	**61.66E**	**0**	**3.5b,3.0**			¶13841525
NNC	Error ellipse: s-maj=32.2km s-min=13.9km az=160.0.								

(337) Eastern Caucasus.

ISC	**I**	**01 21 49 22.6–.96**	**43.25N–.03**	**46.17E–.02**	**13–8**		**106**	**0-11**	
NNC	I	01 21 49 18.2–5.7	43.32N	46.36E	0	3.6,3.5b			¶12698561
CSEM	I	01 21 49 23.0–.22	43.19N	46.10E	5	4.2b,3.5b			
MOS	I	01 21 49 23.3–2.0	43.24N	46.13E	18	4.2b,3.5b			
ISC	Event type ke.								
NNC	Error ellipse: s-maj=99.5km s-min=21.6km az=165.0.								
CSEM	Event type ke. Error ellipse: s-maj=7.5km s-min=2.4km az=21.0.								
MOS	Error ellipse: s-maj=9.7km s-min=5.6km az=34.3.								
ISC	**I**	**05 18 15 36.2–.90**	**43.27N–.06**	**46.38E–.03**	**26–9**		**56**	**0-11**	
MOS	I	05 18 15 36.0–1.2	43.19N	46.36E	16	3.9b			¶12698723
CSEM	I	05 18 15 36.9–.21	43.26N	46.49E	30	3.9b			
NNC	I	05 18 15 41.1–2.2	44.15N	46.36E	0	3.5b,3.2			
ISC	Event type ke.								
MOS	Error ellipse: s-maj=21.1km s-min=8.4km az=13.8.								
CSEM	Event type ke. Error ellipse: s-maj=7.2km s-min=4.2km az=9.0.								
NNC	Error ellipse: s-maj=54.5km s-min=5.7km az=161.0.								
ISC	**I**	**11 14 53 15.7–.99**	**43.26N–.03**	**46.18E–.02**	**12–8**		**89**	**0-11**	
TIF	I	11 14 53 12.8	43.40N	46.29E	15–10				¶12698758
ISCJB	I	11 14 53 13.4–.54	43.43N–.04	46.27E–.03	3–4				
MOS	I	11 14 53 15.3–1.3	43.26N	46.23E	12	4.0b			
CSEM	I	11 14 53 15.3–.21	43.31N	46.19E	10	4.0b			
NNC	I	11 14 53 21.0–3.6	44.42N	46.09E	0	3.3,3.2b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.9km s-min=2.8km az=25.7.								
MOS	Error ellipse: s-maj=10.2km s-min=6.4km az=26.6.								
CSEM	Event type ke. Error ellipse: s-maj=6.1km s-min=2.5km az=19.0.								
NNC	Error ellipse: s-maj=112.2km s-min=9.7km az=158.0.								
ISC	**I**	**12 05 04 52.3–.90**	**43.33N–.03**	**46.23E–.02**	**16–6**	**3.9b**	**125**	**0-49**	
IDC	I	12 05 04 46.4–7.8	42.93N	46.56E	0	4.0,4.0			¶12081089
ISCJB	I	12 05 04 50.8–.47	43.43N–.03	46.24E–.02	1–3	3.8b,4.0			
CSEM	I	12 05 04 51.8–.21	43.36N	46.22E	5	4.0b,4.0			
NNC	I	12 05 04 51.2–3.7	43.55N	46.37E	0	3.5b,3.4			
MOS	I	12 05 04 52.6–1.2	43.34N	46.19E	18	4.1b,3.4			
TIF	I	12 05 04 53.4	43.15N	46.18E	8–5	4.1b,3.4			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=179.2km s-min=36.2km az=105.0.								
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=2.4km az=22.4.								
CSEM	Event type ke. Error ellipse: s-maj=6.4km s-min=3.2km az=22.0.								
NNC	Error ellipse: s-maj=65.3km s-min=10.0km az=168.0.								
MOS	Error ellipse: s-maj=8.5km s-min=5.8km az=40.5.								
ISC	**I**	**14 18 46 09.8–1.1**	**41.86N–.02**	**46.12E–.02**	**8–10**		**105**	**1-3**	
NSSP	I	14 18 46 06.2	41.55N	46.32E	5	2.9s			¶13862785
TIF	I	14 18 46 09.8	41.91N	46.13E	23–1	2.9s			
AZER	I	14 18 46 09.0	41.72N	46.15E	0	2.9s			
CSEM	I	14 18 46 10.5–.19	41.88N	46.13E	2	4.2b			
MOS	I	14 18 46 11.5–1.7	41.85N	46.14E	20	4.2b			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=57.0.								
MOS	Error ellipse: s-maj=10.4km s-min=6.7km az=110.5.								
ISC	**I**	**18 02 22 47.4–1.1**	**43.38N–.04**	**46.41E–.03**	**25–11**		**69**	**0-11**	
ISCJB	I	18 02 22 44.5–.70	43.52N–.04	46.45E–.04	8–4				¶12698961
CSEM	I	18 02 22 47.3–.40	43.42N	46.40E	20–0	3.9b			
MOS	I	18 02 22 48.5–1.4	43.24N	46.33E	22	3.9b			
NNC	I	18 02 22 50.5–5.2	44.02N	46.46E	0	3.3b,3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.4km s-min=4.6km az=16.1.								
CSEM	Event type ke. Error ellipse: s-maj=11.4km s-min=7.4km az=172.0.								
MOS	Error ellipse: s-maj=19.1km s-min=8.4km az=2.9.								
NNC	Error ellipse: s-maj=117.4km s-min=13.3km az=163.0.								
ISC	**I**	**21 18 59 53.4–1.2**	**42.83N–.03**	**46.03E–.02**	**11–10**		**76**	**1-12**	
TIF	I	21 18 59 53.8	42.83N	46.05E	11–3				¶12699050
CSEM	I	21 18 59 56.1–.44	42.97N	45.96E	70	3.4b			
NNC	I	21 18 59 56.3–9.7	44.32N	45.42E	0	3.4b			
AZER	I	21 18 59 56.5	42.87N	45.84E	72	3.4b			
MOS	I	21 18 59 57.2–.98	42.84N	45.86E	28	4.1b			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=12.8km s-min=6.9km az=32.0.								
NNC	Error ellipse: s-maj=286.9km s-min=34.5km az=159.0.								
MOS	Error ellipse: s-maj=11.9km s-min=6.5km az=26.8.								
ISC	**I**	**22 22 47 59.2–1.0**	**43.39N–.04**	**46.25E–.03**	**20–4**	**3.8b**	**83**	**0-49**	
TIF	I	22 22 47 55.9	43.45N	46.37E	17–23	3.8b			¶13433939
IDC	I	22 22 47 56.8–.78	43.26N	45.97E	0	3.7,3.6b			
ISCJB	I	22 22 47 58.2–.67	43.45N–.03	46.39E–.03	16–6	3.5b,3.6b			
MOS	I	22 22 47 58.8–1.8	43.43N	46.28E	19	4.5b,3.6b			
NNC	I	22 22 48 05.7–2.1	44.28N	45.81E	49–27	4.1,3.5b			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=16.4km s-min=10.8km az=115.0.								
ISCJB	Event type ke. Error ellipse: s-maj=5.6km s-min=3.4km az=157.4.								
MOS	Error ellipse: s-maj=8.3km s-min=6.5km az=156.9.								
NNC	Error ellipse: s-maj=77.3km s-min=7.6km az=154.0.								
ISC	**I**	**27 23 12 15.5–.96**	**43.06N–.03**	**45.42E–.03**	**17–7**		**42**	**0-12**	
MOS	I	27 23 12 15.8–1.3	43.06N	45.36E	19	4.2b			¶12790488
ISCJB	I	27 23 12 16.4–.44	43.12N–.05	45.42E–.03	19–6	4.2b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**I**	**30 05 47 51.9–.97**	**43.11N–.03**	**47.21E–.02**	**13–6**	**3.8b**	**179**	**0-74**	
IDC	I	30 05 47 50.9–.63	43.04N	47.04E	0	3.9,3.8			¶12082719
MOS	I	30 05 47 50.9–1.3	43.10N	47.27E	13	4.5b,3.8			
CSEM	I	30 05 47 51.6–.25	43.26N	47.14E	2	3.8b,3.8			
AZER	I	30 05 47 54.9	43.10N	47.14E	47	3.8b,3.8			
NNC	I	30 05 47 54.2–2.4	43.73N	47.03E	0	4.4,3.8b			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=16.5km s-min=8.7km az=132.0.								
MOS	Event type fe. Error ellipse: s-maj=5.2km s-min=4.7km az=82.5. Felt (IV) at Korkmaskala; (II-III) at Makhachkala. Moment Tensor Solution.								
CSEM	Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=103.0.								
NNC	Error ellipse: s-maj=62.0km s-min=18.3km az=166.0.								
ISC	**I**	**31 02 21 32.5–1.2**	**43.43N–.03**	**46.01E–.02**	**3–9**		**92**	**0-15**	
AZER	I	31 02 21 30.8	43.40N	45.19E	0				¶12790652
MOS	I	31 02 21 33.8–1.9	43.37N	46.02E	21	4.2b			
TIF	I	31 02 21 33.6	43.49N	45.88E	25–11	4.2b			
NNC	I	31 02 21 33.4–6.8	43.72N	45.92E	0	4.0,3.5b			
CSEM	I	31 02 21 34.9–.50	43.50N	45.85E	10	3.5b,3.5b			
ISC	Event type ke.								
MOS	Error ellipse: s-maj=7.4km s-min=5.8km az=33.8.								
NNC	Error ellipse: s-maj=130.7km s-min=20.9km az=167.0.								
CSEM	Event type ke. Error ellipse: s-maj=14.4km s-min=12.3km az=63.0.								
ISC	**I**	**31 16 00 15.7–.89**	**43.02N–.03**	**45.55E–.02**	**23**		**54**	**0-12**	
TIF	I	31 16 00 12.0	43.09N	45.63E	20–12				¶12790688
NNC	I	31 16 00 13.3–4.0	44.37N	45.42E	0	3.5b,3.4			
MOS	I	31 16 00 15.4–.76	42.95N	45.54E	21	4.2b,3.4			
ISCJB	I	31 16 00 16.1–.34	43.06N–.03	45.56E–.02	23	4.2b,3.4			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**II**	**24 23 57 12.3–2.4**	**41.76N–.06**	**46.3E–.10**	**19–4**		**33**	**1-2**	
NSSP	II	24 23 57 09.1	41.78N	46.18E	6	3.1s			¶13864918
TIF	II	24 23 57 12.1	41.74N	46.27E	14–3	3.1s			
CSEM	II	24 23 57 13.0–2.5	41.86N	45.98E	10	3.1L			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=52.3km s-min=31.1km az=32.0.								
ISC	**II**	**27 10 09 04.0–.00**	**43.23N–.03**	**46.18E–.02**	**9–8**		**107**	**0-11**	
CSEM	II	27 10 09 03.5–.23	43.27N	46.19E	2	4.2b			¶12933823
MOS	II	27 10 09 04.1–.92	43.25N	46.23E	16	4.2b			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=7.5km s-min=2.3km az=19.0.								
MOS	Error ellipse: s-maj=10.1km s-min=6.1km az=25.6.								
ISC	**III**	**02 13 40 09.3–.78**	**41.26N–.02**	**48.51E–.03**	**15–5**		**65**	**0-11**	
AZER	III	02 13 40 08.0	41.27N	48.45E	11				¶12933967
CSEM	III	02 13 40 09.6–.26	41.29N	48.55E	10	3.3b			
MOS	III	02 13 40 13.0–2.1	41.28N	48.33E	16	4.0b			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=6.7km s-min=5.7km az=21.0.								
MOS	Error ellipse: s-maj=26.5km s-min=9.0km az=117.0.								

ISC III 03 04 59 09.4–1.3 43.13N–.05 45.13E–.03 7–10 28 0-6
TIF III 03 04 59 06.8 43.14N 45.17E 3–5 ¶14012085
MOS III 03 04 59 10.1–1.6 42.94N 45.09E 11 3.9b
ISC Event type ke.
MOS Error ellipse: s-maj=16.0km s-min=10.2km az=24.5.
MOS III 03 06 51 38.3–.79 42.92N 46.14E 9 3.9b
¶14012087
MOS Error ellipse: s-maj=21.2km s-min=14.5km az=32.0.
ISC III 04 02 49 45.0–1.1 43.43N–.03 46.28E–.02 12–8 3.7b 131 0-49
ISCJB III 04 02 49 43.0–.45 43.43N–.02 46.26E–.02 3–3 3.7b ¶13435499
IDC III 04 02 49 43.1–.67 43.33N 45.90E 0 3.7,3.7
TIF III 04 02 49 44.3 43.23N 46.19E 8–3 3.7,3.7
CSEM III 04 02 49 44.0–.30 43.40N 46.19E 2 3.6b,3.7
MOS III 04 02 49 44.4–1.1 43.41N 46.23E 13 4.4b,3.7
AZER III 04 02 49 56.4 42.43N 46.31E 30 4.4b,3.7
NNC III 04 02 49 57.1–3.9 43.87N 47.50E 0 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=19.0.
IDC Error ellipse: s-maj=13.5km s-min=8.9km az=115.0.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=5.8km az=127.0.
MOS Error ellipse: s-maj=6.6km s-min=5.9km az=134.4.
NNC Error ellipse: s-maj=52.2km s-min=26.7km az=136.0.
ISC III 14 12 36 03.0–1.2 43.33N–.05 46.24E–.03 21–3 59 0-11
ISCJB III 14 12 36 00.0–.75 43.49N–.06 46.30E–.05 10–6 ¶13436272
TIF III 14 12 36 00.7 43.18N 46.48E 19–5
MOS III 14 12 36 03.8–1.8 43.20N 46.19E 30 4.2b
CSEM III 14 12 36 03.3–.59 43.28N 46.24E 20 4.2b
NNC III 14 12 36 06.5–2.5 44.62N 46.14E 0 3.5,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.5km az=15.9.
MOS Error ellipse: s-maj=20.9km s-min=9.9km az=2.1.
CSEM Event type ke. Error ellipse: s-maj=18.2km s-min=9.5km az=15.0.
NNC Error ellipse: s-maj=97.2km s-min=7.4km az=156.0.
TIF III 17 06 59 17.4 43.51N 45.05E 9–5
¶13436494
ISC III 23 05 56 18.0–2.7 41.24N–.09 48.5E–.10 16–10 24 0-2
TIF III 23 05 56 15.9 41.33N 48.56E 21–2 ¶14200378
CSEM III 23 05 56 19.5–1.8 41.33N 48.58E 2 4.1b
MOS III 23 05 56 20.6–1.1 41.31N 48.12E 10 4.1b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=32.6km s-min=20.8km az=102.0.
MOS Error ellipse: s-maj=44.7km s-min=16.2km az=106.0.
ISC IV 03 18 24 03.2–.99 41.71N–.02 46.50E–.02 17–7 3.4b 134 1-75
MOS IV 03 18 23 59.9–2.1 41.46N 46.71E 6 4.3b ¶12934375
IDC IV 03 18 24 00.9–1.8 41.71N 46.44E 0 3.7,3.5
NSSP IV 03 18 24 02.2 41.82N 46.35E 15 3.8s,3.5
NNC IV 03 18 24 03.6–3.4 41.77N 47.06E 0 3.8,3.6b
CSEM IV 03 18 24 04.8–.15 41.67N 46.48E 2 3.8L,3.6b
ISCJB IV 03 18 24 05.9–.64 41.69N–.02 46.54E–.03 17–6 3.2b,3.6b
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 04 10 53 55.9–.84 42.55N–.02 47.70E–.03 13–5 69 0-15
TIF IV 04 10 53 54.2 42.78N 48.03E 19–5 ¶14210569
MOS IV 04 10 53 55.4–.66 42.53N 47.68E 9 4.2b
CSEM IV 04 10 53 56.3–.30 42.54N 47.71E 15 4.2b
ISCJB IV 04 10 53 56.6–.56 42.56N–.03 47.71E–.04 15–4 4.2b
ISC Event type fe.
MOS Event type fe. Felt (II-III) at Sergokala. Moment Tensor Solution.
CSEM Event type ke.
ISCJB Event type fe.
ISC IV 16 01 27 00.9–4.0 41.5N–.20 47.0E–.20 10 9 1-2
NSSP IV 16 01 27 02.6 41.30N 46.63E 10 2.8s ¶14341945
TIF IV 16 01 27 05.6 40.98N 47.80E 17–2 2.8s
ISC Event type ke.
ISC IV 16 18 28 20.6–1.3 40.23N–.03 48.95E–.03 12–10 3.2b 39 0-25
IDC IV 16 18 28 15.9–2.0 40.05N 49.17E 0 3.4,3.3 ¶12935348
AZER IV 16 18 28 20.6 40.23N 48.87E 12 3.4,3.3
ISCJB IV 16 18 28 20.9–.70 40.14N–.03 48.83E–.04 2–5 3.2b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC IV 18 03 32 18.6–1.0 41.71N–.02 46.44E–.02 16–7 3.6b 127 1-75
MOS IV 18 03 32 16.4–1.6 41.63N 46.64E 6 3.8b ¶12935578
IDC IV 18 03 32 16.2–.86 41.67N 46.64E 0 3.7,3.7L
ISCJB IV 18 03 32 17.5–.80 41.83N–.02 46.60E–.03 6–5 3.4b,3.7L
CSEM IV 18 03 32 17.7–.16 41.90N 46.57E 2 3.7b,3.7L
TIF IV 18 03 32 17.6 41.72N 46.57E 24–3 3.7b,3.7L
NNC IV 18 03 32 18.8–3.6 42.33N 46.28E 0 3.4b,3.7L
NSSP IV 18 03 32 18.2 41.65N 46.43E 10 3.8s,3.7L
AZER IV 18 03 32 19.3 41.51N 46.58E 6 3.8s,3.7L
ISC Event type ke.
MOS Error ellipse: s-maj=12.3km s-min=9.7km az=81.6.
IDC Error ellipse: s-maj=15.4km s-min=9.1km az=137.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=179.9.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=148.0.
NNC Error ellipse: s-maj=43.9km s-min=24.3km az=91.0.
ISC IV 19 04 45 30.1–2.1 41.81N–.07 46.73E–.07 8–11 36 1-3
NSSP IV 19 04 45 31.6 41.65N 46.63E 10 3.1s ¶14341946
CSEM IV 19 04 45 32.5–.85 41.68N 46.63E 2 3.1L
TIF IV 19 04 45 33.9 41.69N 46.47E 26–3 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.3km s-min=7.7km az=44.0.
ISC V 03 14 17 29.4–.70 40.19N–.03 49.97E–.04 62–5 3.5b 101 0-77
IDC V 03 14 17 22.2–1.2 40.26N 49.86E 0 3.8,3.7 ¶13546551
MOS V 03 14 17 26.1–2.1 40.35N 50.18E 26 3.9b,3.7
TIF V 03 14 17 28.1 40.17N 49.90E 78–1 3.9b,3.7
ISCJB V 03 14 17 28.3–.44 40.17N–.03 49.99E–.04 71–3 3.5b,3.7
AZER V 03 14 17 29.4 40.20N 49.85E 46 3.5b,3.7
CSEM V 03 14 17 29.1–.20 40.19N 50.02E 60 3.9b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=11.9km az=167.0.
MOS Error ellipse: s-maj=13.5km s-min=9.7km az=125.2.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.2km az=21.6.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=179.0.
ISC V 07 08 58 20.5–1.2 41.07N–.02 45.68E–.03 18–4 59 0-2
NSSP V 07 08 58 19.5 41.07N 45.62E 8 2.8s ¶14341948
TIF V 07 08 58 19.5 41.07N 45.76E 15–1 2.8s
ISCJB V 07 08 58 20.9–1.1 41.05N–.03 45.71E–.05 6–7 2.8s
CSEM V 07 08 58 21.8–.41 41.02N 45.71E 20 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=152.0.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=5.4km az=68.0.
ISC V 07 21 52 07.9–1.3 41.5N–.10 48.97E–.07 35 2.5b 18 3-24
IDC V 07 21 52 03.0–1.4 41.32N 48.68E 0 3.2,3.2 ¶13678524
TIF V 07 21 52 05.7 41.55N 48.45E 26–1 3.2,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=12.7km az=160.0.
ISC V 08 09 35 37.9–1.1 43.54N–.04 45.70E–.03 25–7 90 0-3
ISCJB V 08 09 35 35.6–.60 43.54N–.04 45.74E–.03 8–3 ¶14264755
MOS V 08 09 35 36.2–.64 43.54N 45.68E 13 4.0b
CSEM V 08 09 35 36.2–.33 43.54N 45.73E 10 4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=2.7km az=21.2.
MOS Error ellipse: s-maj=8.0km s-min=7.3km az=29.7.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=2.9km az=22.0.
ISC V 08 10 15 52.0–.96 43.25N–.03 46.22E–.02 21–3 111 0-11
TIF V 08 10 15 49.4 43.38N 46.26E 20–7 ¶13550274
CSEM V 08 10 15 50.5–.25 43.31N 46.23E 2 4.2b
MOS V 08 10 15 51.3–1.8 43.27N 46.21E 19 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.0km az=23.0.
MOS Error ellipse: s-maj=9.7km s-min=6.4km az=31.0.
TIF V 09 01 46 49.1 40.94N 47.49E 15–8
¶14761510
ISC V 13 05 42 30.9–.89 43.31N–.02 46.19E–.02 12–6 3.5b 191 0-73
IDC V 13 05 42 28.4–.71 43.20N 45.99E 0 3.7L,3.6 ¶13568608
ISCJB V 13 05 42 28.8–.43 43.44N–.02 46.27E–.02 0–3 3.5b,3.6
CSEM V 13 05 42 30.0–.16 43.40N 46.23E 2 3.7b,3.6
TIF V 13 05 42 30.2 43.41N 46.04E 13–5 3.7b,3.6
AZER V 13 05 42 31.0 43.20N 45.82E 0 3.7b,3.6
MOS V 13 05 42 30.7–1.2 43.38N 46.18E 12 4.5b,3.6
NNC V 13 05 42 42.3–2.4 43.09N 48.50E 0 3.8b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=12.2km s-min=8.8km az=116.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=17.3.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=15.0.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=5.5km az=29.3. Felt (III) at Gudermes. Moment Tensor Solution.
NNC Error ellipse: s-maj=77.9km s-min=16.5km az=139.0.
ISC V 15 08 51 13.0–1.3 43.34N–.04 46.13E–.04 14–8 70 0-17
ISCJB V 15 08 51 09.4–.79 43.46N–.04 46.30E–.05 6–4 ¶13584162
TIF V 15 08 51 10.6 43.34N 46.18E 21–2
CSEM V 15 08 51 13.2–.42 43.44N 46.21E 20–0 4.1b
MOS V 15 08 51 14.9–1.8 43.34N 45.94E 19 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.5km az=171.4.
CSEM Event type ke. Error ellipse: s-maj=14.6km s-min=7.9km az=161.0.
MOS Error ellipse: s-maj=16.7km s-min=8.2km az=0.9.
ISC V 17 15 03 51.4–.61 43.27N–.02 46.21E–.02 29–4 4.4b,3.6s 493 0-134
KISR V 17 15 02 55.1–2.8 46.14N 37.34E 0 5.0b,3.6s ¶13184015
IDC V 17 15 03 47.4–.42 43.22N 46.10E 0 4.2,4.1
TIF V 17 15 03 48.5 43.30N 46.17E 7–3 4.2,4.1
MOS V 17 15 03 49.1–1.4 43.45N 46.22E 15 4.7b,4.1
ISCJB V 17 15 03 50.2–.40 43.47N–.02 46.26E–.02 25–3 4.2b,3.7s
CSEM V 17 15 03 50.1–.11 43.40N 46.19E 12 4.7b,4.5s
NEIC V 17 15 03 53.6–.47 43.30N 46.12E 48–5 4.5b,4.5s
NNC V 17 15 03 57.3–3.8 43.19N 47.50E 0 4.1b,4.5s
AZER V 17 15 04 04.0 42.37N 46.47E 71 4.1b,4.5s
ISC Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=8.6km s-min=7.0km az=120.0.
MOS Error ellipse: s-maj=4.8km s-min=3.6km az=41.3.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=16.6.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=25.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=169.0.
NNC Error ellipse: s-maj=60.8km s-min=29.7km az=106.0.
ISC V 18 07 27 14.0–1.0 41.26N–.03 45.56E–.03 25–9 51 0-3
NSSP V 18 07 27 10.4 41.28N 45.45E 14 2.8s ¶14341951
CSEM V 18 07 27 12.9–.59 41.30N 45.56E 14 2.8L
TIF V 18 07 27 13.2 41.27N 45.53E 20–1 2.8L
ISCJB V 18 07 27 14.2–.70 41.26N–.03 45.59E–.05 20–6 2.8L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 18 09 02 35.2–.91 43.29N–.03 46.23E–.02 20–4 4.1b 166 0-67
IDC V 18 09 02 31.7–.95 43.08N 46.01E 0 4.1,4.0 ¶13439683
MOS V 18 09 02 34.4–1.3 43.42N 46.23E 18 4.6b,4.0
ISCJB V 18 09 02 34.5–.48 43.44N–.02 46.28E–.02 16–4 4.0b,2.9s
CSEM V 18 09 02 34.2–.15 43.38N 46.22E 8 4.6b,4.2b
TIF V 18 09 02 35.3 43.33N 46.04E 18–3 4.6b,4.2b
AZER V 18 09 02 50.0 42.22N 46.44E 40 4.6b,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=20.7km s-min=10.5km az=173.0.
MOS Error ellipse: s-maj=6.2km s-min=5.4km az=41.3.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=2.1.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=16.0.
ISC V 20 23 54 12.0–1.3 43.25N–.04 46.33E–.03 5–10 71 0-11
TIF V 20 23 54 10.8 43.38N 46.27E 17–5 ¶13598390
ISCJB V 20 23 54 13.2–.69 43.37N–.04 46.39E–.04 20–6
CSEM V 20 23 54 13.7–.32 43.26N 46.30E 20–0 3.9b
MOS V 20 23 54 13.7–1.2 43.15N 46.23E 16 3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=1.3.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=5.5km az=177.0.
MOS Error ellipse: s-maj=23.2km s-min=8.4km az=9.6.
ISC V 25 04 12 15.7–1.1 41.68N–.04 46.43E–.02 14–9 62 1-3
NSSP V 25 04 12 12.7 41.60N 46.30E 13 3.4s ¶14341956
AZER V 25 04 12 14.3 41.65N 46.57E 5 3.4s
TIF V 25 04 12 14.3 41.72N 46.42E 15–1 3.4s
CSEM V 25 04 12 15.2–1.6 41.78N 46.49E 10 3.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=31.6km s-min=15.8km az=37.0.
ISC V 25 05 34 48.6–1.1 40.46N–.09 48.55E–.08 28 3.6b 15 1-77
IDC V 25 05 34 46.8–1.5 40.82N 48.57E 0 3.6,3.5 ¶13679605
ISCJB V 25 05 34 47.4–.89 40.4N–.10 48.82E–.07 28 3.5b,3.5
TIF V 25 05 34 49.1 40.58N 48.50E 17–2 3.5b,3.5
NSSP V 25 05 35 49.3 41.55N 46.92E 10 2.8s,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=11.4km az=160.0.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=6.6km az=161.6.
ISC VI 01 13 05 55.7–1.1 43.17N–.03 46.13E–.02 4–9 117 0-11
CSEM VI 01 13 05 55.7 43.17N 46.12E 11 4.1b ¶13659530
TIF VI 01 13 05 55.1 43.34N 45.91E 9–9 4.1b
MOS VI 01 13 05 55.7–1.1 43.17N 46.12E 11 4.1b
ISC Event type ke.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=9.5km s-min=5.3km az=31.8.
ISC VI 08 21 36 01.1–.86 41.53N–.02 47.86E–.02 11–6 2.8b 122 0-25
AZER VI 08 21 35 59.2 41.47N 47.79E 10 2.8b ¶13680856
IDC VI 08 21 36 00.4–1.1 41.48N 47.90E 0 3.4,3.4L
MOS VI 08 21 36 00.8–.95 41.53N 47.88E 11 4.4b,3.4L
CSEM VI 08 21 36 01.8–.23 41.67N 47.96E 5 4.4b,3.4L
TIF VI 08 21 36 01.4 41.49N 47.82E 15–2 4.4b,3.4L
NSSP VI 08 21 36 02.9 41.58N 47.95E 3.1s,3.4L
NNC VI 08 21 36 04.1–18 41.65N 48.53E 0 3.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=17.6km s-min=9.7km az=152.0.
MOS Error ellipse: s-maj=10.3km s-min=5.8km az=107.2.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.3km az=31.0.
NNC Error ellipse: s-maj=212.5km s-min=134.8km az=100.0.
ISC VI 12 00 57 13.8–.00 41.33N–.02 47.08E–.02 13–9 90 1-3
NSSP VI 12 00 57 10.5 41.30N 46.83E 10 2.7s ¶14305987
TIF VI 12 00 57 12.1 41.34N 46.98E 17–3 2.7s
MOS VI 12 00 57 12.2–.94 41.20N 47.08E 19 4.0b
CSEM VI 12 00 57 13.1–.22 41.35N 47.00E 2 4.0b
ISC Event type ke.
MOS Error ellipse: s-maj=16.8km s-min=7.4km az=87.2.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=114.0.
ISC VI 13 11 01 09.0–1.1 43.14N–.03 46.12E–.02 3–10 95 0-11
MOS VI 13 11 01 08.6–1.1 43.19N 46.18E 13 4.0b ¶13762594
CSEM VI 13 11 01 08.8–.18 43.17N 46.13E 2 4.0b
ISC Event type ke.
MOS Error ellipse: s-maj=10.7km s-min=6.1km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=2.3km az=22.0.
TIF VI 14 04 55 50.5 43.31N 46.42E 16–16
¶13762643
ISC VI 21 00 58 21.7–.94 42.65N–.02 45.75E–.02 33–3 3.5b 169 0-74
IDC VI 21 00 58 16.5–.74 42.56N 45.48E 0 4.0L,3.8 ¶13681751
TIF VI 21 00 58 20.7 42.60N 45.73E 11–1 4.0L,3.8
MOS VI 21 00 58 22.2–1.0 42.73N 45.75E 54 3.9b,3.8
CSEM VI 21 00 58 23.3–.14 42.75N 45.80E 49–2 3.7b,3.8
NNC VI 21 00 58 25.8–2.7 42.90N 46.73E 0 3.9b,3.8

AZER	VI	21 00 58 28.3	42.15N	45.95E	38	3.9b,3.8	
ISC		Event type ke.					
IDC		Error ellipse: s-maj=11.4km s-min=10.2km az=51.0.					
MOS		Error ellipse: s-maj=7.4km s-min=5.8km az=40.9.					
CSEM		Event type ke. Error ellipse: s-maj=5.3km s-min=3.6km az=19.0.					
NNC		Error ellipse: s-maj=40.7km s-min=24.1km az=119.0.					

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ISC	**I**	**03 04 29 22.4–.72**	**42.02N–.05**	**49.28E–.04**	**56–8**	**4.0b,3.0s**	**193**	**1-75**
NEIC	I	03 04 29 15.9–.46	41.80N	49.02E	10	4.5b,3.0s		¶12079874
MOS	I	03 04 29 20.6–1.7	42.12N	49.32E	33	4.4b,3.0s		
ISCJB	I	03 04 29 21.9–.46	42.14N–.04	49.29E–.03	64–5	3.9b,3.0s		
CSEM	I	03 04 29 22.6–.27	41.98N	49.13E	68–3	4.0b,3.0s		
IDC	I	03 04 29 23.5–2.5	41.85N	49.00E	79–25	3.7,3.7		
NNC	I	03 04 29 29.0–2.7	42.16N	50.86E	0	4.2b,3.7		
ISC		Event type ke.						
NEIC		Event type se. Error ellipse: s-maj=10.7km s-min=6.0km az=176.0.						
MOS		Error ellipse: s-maj=5.9km s-min=5.8km az=81.2.						
ISCJB		Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=168.5.						
CSEM		Event type ke. Error ellipse: s-maj=9.1km s-min=5.4km az=168.0.						
IDC		Error ellipse: s-maj=17.2km s-min=11.4km az=155.0.						
NNC		Error ellipse: s-maj=22.8km s-min=21.7km az=139.0.						
ISC	**I**	**04 20 18 40.2–1.3**	**40.7N–.10**	**51.81E–.06**	**10**	**3.4b**	**22**	**5-52**
IDC	I	04 20 18 34.4–1.6	39.99N	51.71E	0	3.6,3.6		¶12080279
NNC	I	04 20 18 39.3–2.8	40.84N	51.99E	0	3.7,3.7b		
ISCJB	I	04 20 18 39.4–.81	40.89N–.08	51.75E–.05	10	3.4b,3.7b		
ISC		Event type ke.						
ISCJB		Event type ke.						
ISC	**II**	**06 07 51 26.6–.73**	**42.22N–.04**	**49.12E–.03**	**50–9**	**3.9b**	**145**	**1-75**
IDC	II	06 07 51 19.5–.75	42.17N	48.98E	0	4.2L,4.0		¶13434322
NNC	II	06 07 51 25.3–2.5	42.62N	49.15E	10–14	4.2,3.9b		
MOS	II	06 07 51 25.7–1.8	42.31N	49.26E	33	4.1b,3.9b		
CSEM	II	06 07 51 27.2–.14	42.24N	49.04E	60	3.9b,3.9b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=20.6km s-min=8.4km az=148.0.						
NNC		Error ellipse: s-maj=19.7km s-min=8.7km az=177.0.						
MOS		Error ellipse: s-maj=6.3km s-min=6.0km az=172.4.						
CSEM		Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=131.0.						
ISC	**II**	**08 18 13 42.7–1.0**	**37.58N–.07**	**50.17E–.09**	**10**		**20**	**1-25**
ISCJB	II	08 18 13 40.5–.73	37.48N–.04	50.3E–.10	10	3.5b		¶12791061
CSEM	II	08 18 13 44.0–.57	37.60N	50.13E	20	3.2L		
NNC	II	08 18 13 55.7–2.6	38.40N	51.43E	0	3.4b		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=12.5km s-min=6.0km az=2.5.						
CSEM		Event type ke. Error ellipse: s-maj=26.2km s-min=11.1km az=98.0.						
NNC		Error ellipse: s-maj=47.8km s-min=19.0km az=92.0.						
ISC	**III**	**15 07 16 40.2–.91**	**40.31N–.06**	**51.76E–.05**	**36–2**	**4.2b,2.7s**	**180**	**1-65**
MOS	III	15 07 16 39.6–1.2	40.46N	51.69E	33	4.5b,2.7s		¶12703331
AZER	III	15 07 16 39.3	40.00N	51.77E	64	4.5b,2.7s		
ISCJB	III	15 07 16 41.0–.74	40.43N–.06	51.75E–.04	57–6	4.0b,2.7s		
IDC	III	15 07 16 42.1–3.3	40.41N	51.68E	48–30	4.0L,3.7		
CSEM	III	15 07 16 43.3–.31	40.51N	51.75E	60	4.5b,4.5b		
NEIC	III	15 07 16 43.1–.97	40.45N	51.73E	60–8	4.6b,4.5b		
NNC	III	15 07 16 47.5–3.9	40.84N	52.67E	0	3.8b,4.5b		
ISC		Event type ke.						
MOS		Error ellipse: s-maj=10.0km s-min=7.0km az=127.8.						
ISCJB		Event type ke. Error ellipse: s-maj=11.1km s-min=4.8km az=164.8.						
IDC		Error ellipse: s-maj=34.3km s-min=16.6km az=165.0.						
CSEM		Event type ke. Error ellipse: s-maj=11.5km s-min=4.2km az=162.0.						
NEIC		Event type se. Error ellipse: s-maj=14.3km s-min=4.9km az=168.0.						
NNC		Error ellipse: s-maj=49.8km s-min=27.8km az=97.0.						
MOS	**IV**	**08 00 36 17.0–1.1**	**42.21N**	**48.24E**	**22**	**3.9b**		
CSEM	IV	08 00 36 17.0	42.21N	48.24E	22	3.9b		¶14210745
MOS		Error ellipse: s-maj=15.6km s-min=8.9km az=127.8.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**V**	**18 05 36 06.1–.98**	**40.76N–.05**	**51.23E–.05**	**43–15**	**3.7b**	**59**	**1-76**
IDC	V	18 05 36 00.8–1.9	40.64N	51.09E	0	4.0L,3.9		¶13584323
THR	V	18 05 36 04.4–.54	40.66N	50.98E	15	3.6L,3.9		
ISCJB	V	18 05 36 05.4–.62	40.77N–.05	51.19E–.05	53–12	3.6b,3.4s		
NNC	V	18 05 36 07.7–3.3	41.17N	51.56E	0	3.4b,3.4s		
CSEM	V	18 05 36 08.2–.54	40.55N	50.97E	20	3.6L,3.4s		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=29.6km s-min=14.7km az=168.0.						
THR		Error ellipse: s-maj=12.8km s-min=3.7km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=8.3km s-min=5.8km az=12.7.						
NNC		Error ellipse: s-maj=51.4km s-min=16.4km az=93.0.						
CSEM		Event type ke. Error ellipse: s-maj=15.3km s-min=6.7km az=29.0.						
ISC	**V**	**29 15 07 02.5–.79**	**42.02N–.03**	**49.40E–.03**	**36–1**	**3.4b**	**91**	**1-75**
IDC	V	29 15 06 55.8–1.1	41.64N	48.95E	0	4.0L,3.9		¶13439822
AZER	V	29 15 06 56.4	42.10N	49.54E	109	4.0L,3.9		
TIF	V	29 15 07 00.4	42.07N	49.18E	21–9	4.0L,3.9		
ISCJB	V	29 15 07 01.9–.60	42.14N–.04	49.26E–.04	40–11	3.5b,3.9		
CSEM	V	29 15 07 04.0–.27	41.91N	49.18E	64–5	3.7b,3.9		
MOS	V	29 15 07 05.3–.98	42.26N	49.17E	44	4.3b,3.9		
NNC	V	29 15 07 08.0–1.1	41.99N	50.75E	0	3.9b,3.9		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=26.1km s-min=11.6km az=150.0.						
ISCJB		Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=162.9.						
CSEM		Event type ke. Error ellipse: s-maj=10.7km s-min=7.7km az=170.0.						
MOS		Error ellipse: s-maj=15.2km s-min=13.5km az=97.1.						
NNC		Error ellipse: s-maj=15.5km s-min=7.7km az=113.0.						
CSEM	**VI**	**03 13 58 43.2–.81**	**41.22N**	**50.36E**	**20–0**	**4.2b**		
MOS	VI	03 13 58 47.0–1.2	41.23N	49.73E	16	4.2b		¶13680298
CSEM		Event type ke. Error ellipse: s-maj=24.2km s-min=7.7km az=166.0.						
MOS		Error ellipse: s-maj=99.9km s-min=21.4km az=31.6.						
ISC	**VI**	**04 14 20 03.4–.33**	**40.74N–.03**	**50.65E–.02**	**31–2**	**4.7b,3.5s**	**670**	**1-98**
BJI	VI	04 14 19 57.0	40.83N	49.94E	22	4.9b,4.7s		¶13439908
IDC	VI	04 14 19 59.0–.51	40.61N	50.55E	0	4.6,4.6		
ISCJB	VI	04 14 20 01.2–.15	40.73N–.02	50.64E–.02	26	4.6b,3.6s		
THR	VI	04 14 20 01.2–.39	40.76N	50.59E	30–17	4.5L,3.6s		
MOS	VI	04 14 20 02.5–1.2	40.75N	50.63E	33	4.9b,3.6s		
PDA	VI	04 14 20 03.5	40.76N	50.55E	32	4.7b,3.6s		
NEIC	VI	04 14 20 03.7–1.4	40.71N	50.59E	33–10	4.9b,3.6s		
AZER	VI	04 14 20 03.8	40.61N	50.77E	51	4.9b,3.6s		
CSEM	VI	04 14 20 05.2–.20	40.70N	50.65E	51–2	4.5L,3.1s		
NNC	VI	04 14 20 10.1–5.0	41.02N	51.77E	0	4.5b,3.1s		
ISC		Event type fe.						
IDC		Error ellipse: s-maj=12.9km s-min=7.6km az=169.0.						
ISCJB		Event type fe. Error ellipse: s-maj=3.1km s-min=2.1km az=171.1.						
THR		Error ellipse: s-maj=8.8km s-min=4.0km az=-1.0.						
MOS		Error ellipse: s-maj=5.2km s-min=3.6km az=43.2.						
NEIC		Event type fe. Error ellipse: s-maj=7.0km s-min=3.1km az=173.0. Felt at Makhachkala, Russia.						
CSEM		Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=173.0.						
NNC		Error ellipse: s-maj=73.7km s-min=27.2km az=88.0.						

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ISC	**II**	**01 22 50 55.2–.88**	**40.50N–.09**	**62.97E–.06**	**15**	**3.4b**	**37**	**6-89**
NNC	II	01 22 50 49.0–.68	40.35N	62.96E	0	3.7b,3.4		¶12699368
ISCJB	II	01 22 50 52.3–.65	40.51N–.05	62.98E–.05	15	3.5b,3.4		
IDC	II	01 22 50 52.6–1.1	40.19N	62.89E	0	3.7,3.6		
ISC		Event type ke.						
NNC		Error ellipse: s-maj=7.0km s-min=4.1km az=30.0.						
ISCJB		Event type ke. Error ellipse: s-maj=7.1km s-min=5.6km az=175.8.						
IDC		Error ellipse: s-maj=17.2km s-min=11.9km az=175.0.						
ISC	**IV**	**12 23 16 10.7–1.8**	**40.8N–.20**	**63.59E–.09**	**35**	**3.3b**	**14**	**6-77**
IDC	IV	12 23 16 03.3–1.6	40.37N	63.31E	0	3.6,3.5		¶12935143
NNC	IV	12 23 16 07.3–6.0	40.74N	63.49E	0	3.3b,3.2		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=23.4km s-min=10.7km az=2.0.						
NNC		Error ellipse: s-maj=71.5km s-min=30.7km az=20.0.						

(340) Turkmenistan.

ISC	**II**	**05 04 29 05.8–.65**	**40.74N–.06**	**52.87E–.04**	**35**	**4.0b**	**158**	**2-77**
MOS	II	05 04 29 03.9–1.0	40.55N	52.78E	47	4.0b		¶12699577
ISCJB	II	05 04 29 04.6–.44	40.84N–.04	52.75E–.03	33	3.9b		
CSEM	II	05 04 29 06.3–.46	40.81N	52.83E	40	4.0b		
IDC	II	05 04 29 06.8–2.7	40.40N	52.73E	66–25	3.7,3.6		
NNC	II	05 04 29 08.7–2.9	40.90N	52.87E	43–38	4.5,3.8b		
AZER	II	05 04 29 46.4	40.60N	48.69E	8	4.5,3.8b		
ISC		Event type ke.						
MOS		Error ellipse: s-maj=7.5km s-min=6.3km az=118.4.						
ISCJB		Event type ke. Error ellipse: s-maj=6.4km s-min=2.9km az=163.7.						
CSEM		Event type ke. Error ellipse: s-maj=17.2km s-min=6.5km az=168.0.						
IDC		Error ellipse: s-maj=27.2km s-min=12.6km az=163.0.						
NNC		Error ellipse: s-maj=26.6km s-min=12.7km az=161.0.						
ISC	**II**	**11 03 22 58.5–.92**	**39.9N–.10**	**54.93E–.06**	**35**	**3.5b**	**44**	**7-78**
IDC	II	11 03 22 59.8–3.7	39.85N	54.57E	43–31	3.6L,3.5		¶13434447
CSEM	II	11 03 23 08.1	40.52N	55.82E	0	3.5b,3.5		
NNC	II	11 03 23 08.1–2.8	40.52N	55.82E	0	3.5b,3.5		
ISC		Event type se.						
IDC		Error ellipse: s-maj=41.0km s-min=17.1km az=165.0.						
CSEM		Event type se. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NNC.						
NNC		Error ellipse: s-maj=27.8km s-min=15.9km az=59.0.						
ISC	**III**	**10 23 59 57.0–2.4**	**39.6N–.10**	**54.2E–.10**	**56–48**	**3.2b**	**24**	**4-53**
IDC	III	10 23 59 52.9–1.2	39.78N	54.06E	0	3.6,3.5L		¶12702930
ISCJB	III	10 23 59 55.0–1.3	39.8N–.10	54.18E–.06	38–17	3.2b,3.5L		
AZER	III	10 23 59 58.7	39.47N	53.98E	100	3.2b,3.5L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=19.5km s-min=9.4km az=167.0.						
ISCJB		Event type ke. Error ellipse: s-maj=18.1km s-min=7.6km az=172.8.						
ISC	**V**	**12 09 35 16.8–.83**	**40.02N–.07**	**53.32E–.06**	**45**	**3.6b**	**33**	**4-33**
IDC	V	12 09 35 13.4–1.8	39.88N	53.15E	0	3.8,3.7L		¶13568560
ISCJB	V	12 09 35 15.9–.47	39.90N–.05	53.24E–.06	45	3.5b,3.7L		
CSEM	V	12 09 35 16.5–.21	39.90N	53.29E	30	3.6L,3.7L		
THR	V	12 09 35 19.0–.53	39.58N	52.81E	15	3.6L,3.7L		
NNC	V	12 09 35 31.2–4.8	40.52N	54.11E	99–46	3.0b,3.7L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=27.3km s-min=13.6km az=170.0.						
ISCJB		Event type ke. Error ellipse: s-maj=8.2km s-min=6.0km az=152.7.						
CSEM		Event type ke. Error ellipse: s-maj=9.9km s-min=5.3km az=137.0.						
THR		Error ellipse: s-maj=6.8km s-min=3.0km az=-1.0.						
NNC		Error ellipse: s-maj=36.4km s-min=28.2km az=62.0.						
ISC	**VI**	**02 14 39 35.3–.21**	**40.27N–.03**	**53.01E–.02**	**53–1**	**4.8b,4.1s**	**1298**	**2-118**
BJI	VI	02 14 39 30.0	40.36N	52.46E	44	4.9b,4.9b		¶13439883
THR	VI	02 14 39 31.5–.77	40.28N	52.92E	15	5.7L,4.9b		
MOS	VI	02 14 39 32.6–.97	40.36N	53.03E	38	5.1b,4.9b		
ISCJB	VI	02 14 39 33.5–.27	40.30N–.02	53.03E–.02	49–3	4.8b,4.1s		
IDC	VI	02 14 39 35.8–.37	40.32N	52.94E	55–2	4.4,4.3		
CSEM	VI	02 14 39 35.2–.07	40.29N	53.04E	53	5.0W,4.9b		
NEIC	VI	02 14 39 35.2–.16	40.28N	53.02E	52	5.0b,4.9b		
PDA	VI	02 14 39 35.2	40.29N	52.99E	50	4.9b,4.9b		
TEH	VI	02 14 39 36.4	40.15N	52.95E	23	5.6L,4.9b		
AZER	VI	02 14 39 37.1	40.00N	52.50E	195	5.6L,4.9b		
DJA	VI	02 14 39 38.5–1.5	40N–12	53E–8.0	61–15	5.3b,5.1b		
NSSC	VI	02 14 39 38.0–2.8	39.82N	52.58E	0–999	5.3b,5.1b		
GCMT	VI	02 14 39 38.2–.20	40.27N	52.99E	59–1	5.0W,5.1b		
NNC	VI	02 14 39 41.2–.97	41.03N	53.97E	0	5.2b,5.1b		
SZGRF	VI	02 14 39 42.4	39.50N	51.02E	33	4.9b,3.8s		
ISC		Event type fe.						
THR		Error ellipse: s-maj=13.0km s-min=6.7km az=-1.0.						
MOS		Error ellipse: s-maj=4.7km s-min=3.2km az=38.6.						
ISCJB		Event type fe. Error ellipse: s-maj=3.1km s-min=1.7km az=20.0.						
IDC		Error ellipse: s-maj=10.2km s-min=6.1km az=172.0.						
CSEM		Event type ke. Error ellipse: s-maj=2.7km s-min=2.6km az=41.0.						
NEIC		Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=171.0. Felt at Balkanabat and Celeken.						
NSSC		Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.						
GCMT		Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c57; s77,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.50±.15 $M_{\theta\theta}$-2.72±.13; $M_{\phi\phi}$4.23±.10; $M_{r\theta}$2.26±.10; $M_{\theta\phi}$1.27±.09; $M_{\phi r}$-0.67±.09; Best double couple: NP1:ϕ_s229.00000°,δ63.00000°,λ-26.00000°. NP2:ϕ_s331.00000°,δ67.00000°,λ-150.00000°. Principal axes: T 4.4700,Plg3.0000° ,Azm99.0000°; N 0.2200,Plg53.0000°,Azm5.0000°; P -4.6800,Plg36.0000°,Azm191.0000° M_o4.60000×10^{16}						
NNC		Error ellipse: s-maj=8.7km s-min=7.7km az=136.0.						
SZGRF		Caspian Sea.						

(341) Iran-Turkmenistan border region.

CSEM	**II**	**06 00 43 24.0–.37**	**37.16N**	**55.20E**	**10**	**3.3L**		
NNC	II	06 00 43 27.7–1.6	37.43N	55.78E	0	3.1b		¶12790931
CSEM		Event type ke. Error ellipse: s-maj=14.6km s-min=8.0km az=135.0.						
NNC		Error ellipse: s-maj=15.2km s-min=10.2km az=2.0.						
ISC	**II**	**06 18 14 28.3–.47**	**38.16N–.03**	**57.62E–.04**	**10**	**3.7b**	**131**	**1-95**
ISCJB	II	06 18 14 26.9–.24	38.14N–.02	57.60E–.03	10	3.6b		¶12699685
CSEM	II	06 18 14 27.2–.14	38.15N	57.55E	2	4.0L		
TEH	II	06 18 14 28.4	38.13N	57.51E	6	4.0L		
IDC	II	06 18 14 29.1–1.6	38.21N	57.60E	0	3.7,3.7		
NNC	II	06 18 14 31.4–1.6	38.46N	58.02E	0	3.8b,3.7		
MOS	II	06 18 14 32.4–1.8	38.31N	57.59E	33	4.3b,3.7		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=151.9.						
CSEM		Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=74.0.						
IDC		Error ellipse: s-maj=23.6km s-min=9.5km az=164.0.						
NNC		Error ellipse: s-maj=13.9km s-min=10.7km az=169.0.						
MOS		Error ellipse: s-maj=11.4km s-min=8.3km az=108.1.						
ISC	**II**	**17 17 57 22.6–2.0**	**38.45N–.05**	**56.73E–.05**	**2–15**	**3.4b**	**75**	**1-79**
IDC	II	17 17 57 22.8–1.7	38.36N	56.62E	0	3.6,3.5		¶12701037
CSEM	II	17 17 57 23.6–.17	38.45N	56.72E	20	4.0L,3.5		
TEH	II	17 17 57 24.7	38.43N	56.75E	23	4.0L,3.5		
NNC	II	17 17 57 30.4–5.0	39.06N	57.60E	0	3.7b,3.5		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=26.7km s-min=16.0km az=169.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=12.0.						
NNC		Error ellipse: s-maj=45.7km s-min=25.6km az=16.0.						
ISC	**II**	**17 18 03 34.1–.92**	**38.50N–.05**	**56.71E–.05**	**10**		**39**	**1-12**
ISCJB	II	17 18 03 32.2–.57	38.61N–.04	56.58E–.08	10			¶12855172
CSEM	II	17 18 03 33.9–.16	38.46N	56.67E	2	3.7L		
TEH	II	17 18 03 35.3	38.44N	56.68E	5	3.7L		
NNC	II	17 18 03 40.3–1.7	38.91N	57.37E	0	3.8b		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=8.8km s-min=5.9km az=4.1.						
CSEM		Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=101.0.						
NNC		Error ellipse: s-maj=15.3km s-min=8.5km az=17.0.						
ISC	**II**	**20 19 48 26.1–1.4**	**37.04N–.05**	**54.67E–.03**	**2–12**	**3.6b**	**108**	**1-43**
IDC	II	20 19 48 25.5–1.6	36.95N	54.79E	0	3.7,3.6		¶12701360
THR	II	20 19 48 26.2–.82	37.08N	54.78E	15	3.9L,3.6		
CSEM	II	20 19 48 26.0–.17	37.10N	54.65E	2	4.0L,3.6		
TEH	II	20 19 48 27.5	37.08N	54.65E	7	4.0L,3.6		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=25.5km s-min=17.2km az=16.0.						
THR		Error ellipse: s-maj=7.7km s-min=2.6km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=158.0.						
ISC	**II**	**21 21 45 25.3–1.7**	**38.19N–.06**	**57.58E–.05**	**6–14**		**45**	**1-17**
CSEM	II	21 21 45 25.2–.21	38.13N	57.54E	2	3.6L		¶12933693
TEH	II	21 21 45 26.1	38.15N	57.52E	1	3.6L		
NNC	II	21 21 45 36.8–.68	38.84N	58.50E	0	3.7b		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=6.5km s-min=3.7km az=74.0.						
NNC		Error ellipse: s-maj=5.8km s-min=3.7km az=19.0.						
ISC	**III**	**16 06 17 09.3–1.8**	**37.13N–.07**	**54.45E–.04**	**6–15**		**43**	**1-6**
CSEM	III	16 06 17 09.0–.31	37.09N	54.51E	2	3.5L		¶14544279
ISCJB	III	16 06 17 10.1–1.0	36.99N–.07	54.47E–.06	6–8	3.5L		

TEH	III	16 06 17 10.7	37.11N	54.43E	12	3.5L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=12.6km s-min=4.7km az=150.0.							
ISCJB	Event type ke. Error ellipse: s-maj=14.1km s-min=4.4km az=146.7.							
ISC	**IV**	**15 07 54 02.0–1.0**	**37.77N–.05**	**55.88E–.03**	**11–8**	**3.2b**	**105**	**0-80**
IDC	IV	15 07 54 01.2–1.9	37.57N	55.74E	0	3.8L,3.7		¶12935311
CSEM	IV	15 07 54 01.4–.16	37.79N	55.85E	2	3.9L,3.7		
NEIC	IV	15 07 54 01.9	37.72N	55.90E	14	4.1,4.0L		
THR	IV	15 07 54 02.0–.58	37.72N	55.90E	14–7	3.9L,4.0L		
TEH	IV	15 07 54 03.1	37.69N	55.81E	20	4.1L,4.0L		
NNC	IV	15 07 54 08.4–2.7	38.21N	56.74E	0	3.7b,4.0L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=28.4km s-min=15.6km az=6.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=157.0.							
NEIC	Event type se. After THR.							
THR	Error ellipse: s-maj=7.1km s-min=7.7km az=-1.0.							
NNC	Error ellipse: s-maj=26.2km s-min=15.7km az=11.0.							
ISC	**VI**	**14 10 32 52.4–2.8**	**36.77N–.04**	**61.45E–.04**	**15–18**	**4.2b,3.5s**	**209**	**1-91**
IDC	VI	14 10 32 48.8–.71	36.53N	61.55E	0	4.2L,4.1		¶13681353
ISCJB	VI	14 10 32 49.1–1.1	36.72N–.04	61.49E–.03	7–7	4.1b,3.5s		
THR	VI	14 10 32 49.9–.59	36.68N	61.49E	14–10	4.5L,3.5s		
BJI	VI	14 10 32 50.1	36.70N	61.40E	12	4.7b,4.3b		
CSEM	VI	14 10 32 51.5–.16	36.74N	61.44E	10	4.3b,4.3b		
TEH	VI	14 10 32 52.4	36.71N	61.41E	6	4.5L,4.3b		
MOS	VI	14 10 32 53.1–1.6	36.77N	61.49E	33	4.3b,4.3b		
NNC	VI	14 10 33 00.7–1.3	37.42N	61.52E	33–13	4.3b,4.0		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=17.2km s-min=13.6km az=6.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.8km s-min=3.8km az=151.1.							
THR	Error ellipse: s-maj=4.9km s-min=8.8km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=6.6km s-min=3.4km az=143.0.							
MOS	Error ellipse: s-maj=7.9km s-min=6.0km az=71.7.							
NNC	Error ellipse: s-maj=8.0km s-min=6.4km az=32.0.							
ISC	**VI**	**19 23 18 58.3–1.1**	**36.65N–.05**	**59.40E–.04**	**13–12**		**24**	**0-4**
CSEM	VI	19 23 18 57.9–.38	36.67N	59.43E	2	3.7L		¶14544642
TEH	VI	19 23 18 58.8	36.65N	59.42E	12	3.7L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.3km s-min=4.3km az=53.0.							

(342) Turkmenistan-Afghanistan border region.

ISC	**V**	**14 13 20 34.4–.00**	**36.68N–.10**	**63.75E–.09**	**35**	**3.6b,3.0s**	**24**	**8-89**
IDC	V	14 13 20 28.0–.91	36.20N	63.85E	0	3.8,3.7L		¶13568704
ISCJB	V	14 13 20 33.6–.87	36.78N–.07	63.84E–.08	33	3.6b,3.0s		
NNC	V	14 13 20 35.4–3.6	37.02N	63.91E	0	3.9,3.7b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=21.2km s-min=16.9km az=152.0.							
ISCJB	Event type ke. Error ellipse: s-maj=11.3km s-min=8.3km az=145.9.							
NNC	Error ellipse: s-maj=38.8km s-min=23.8km az=172.0.							
ISC	**V**	**14 14 57 20.1–1.1**	**36.71N–.09**	**63.63E–.10**	**35**	**3.6b,3.0s**	**18**	**8-87**
IDC	V	14 14 57 16.1–1.2	36.29N	63.78E	0	3.7,3.6b		¶13568708
ISCJB	V	14 14 57 19.1–.88	36.63N–.08	63.80E–.09	33	3.6b,3.0s		
NNC	V	14 14 57 19.7–4.8	36.62N	64.09E	0	3.9,3.8b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=21.1km s-min=19.0km az=118.0.							
ISCJB	Event type ke. Error ellipse: s-maj=13.0km s-min=8.6km az=141.6.							
NNC	Error ellipse: s-maj=63.9km s-min=37.1km az=146.0.							
ISC	**V**	**15 02 21 08.0–1.3**	**36.7N–.10**	**63.75E–.08**	**35**	**3.3s,3.3b**	**32**	**8-81**
IDC	V	15 02 21 02.3–1.8	36.32N	63.68E	0	3.6,3.6L		¶13584128
ISCJB	V	15 02 21 06.5–.95	36.72N–.06	63.70E–.06	33	3.4b,3.3s		
NNC	V	15 02 21 07.9–1.2	37.00N	63.87E	0	3.8,3.6b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=33.2km s-min=17.6km az=152.0.							
ISCJB	Event type ke. Error ellipse: s-maj=9.3km s-min=7.0km az=159.1.							
NNC	Error ellipse: s-maj=9.5km s-min=7.4km az=0.0.							
ISC	**VI**	**06 07 22 58.3–1.1**	**36.16N–.09**	**63.90E–.07**	**35**	**4.0b**	**105**	**9-89**
IDC	VI	06 07 22 49.5–.85	35.53N	63.83E	0	4.1,4.0		¶13439946
MOS	VI	06 07 22 53.6–1.3	35.86N	63.98E	30	4.2b,4.0		
ISCJB	VI	06 07 22 57.0–.73	36.19N–.06	64.00E–.06	33	4.0b,3.5s		
CSEM	VI	06 07 22 59.6–1.0	36.22N	64.03E	40	4.0b,3.5s		
NNC	VI	06 07 23 00.6–2.9	36.66N	64.09E	0	4.5,4.3b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=18.9km s-min=15.2km az=173.0.							
MOS	Error ellipse: s-maj=12.6km s-min=6.5km az=70.8.							
ISCJB	Event type ke. Error ellipse: s-maj=8.9km s-min=6.5km az=151.6.							
CSEM	Event type ke. Error ellipse: s-maj=28.8km s-min=14.9km az=7.0.							
NNC	Error ellipse: s-maj=23.1km s-min=20.2km az=167.0.							
NNC	**VI**	**06 08 06 51.7–3.1**	**36.69N**	**63.89E**	**0**	**3.8b,3.7**		
								¶13680602
NNC	Error ellipse: s-maj=26.7km s-min=21.3km az=42.0.							

(343) Turkey-Iran border region.

ISC	**I**	**08 00 38 20.0–1.2**	**37.62N–.03**	**44.63E–.02**	**4–10**		**112**	**1-9**
NSSC	I	08 00 38 18.6–19	37.37N	45.76E	5	3.3L		¶15699218
CSEM	I	08 00 38 20.3–.21	37.67N	44.65E	2	3.7L		
TEH	I	08 00 38 20.5	37.87N	44.59E	15	3.7L		
ISK	I	08 00 38 20.6	37.68N	44.50E	5	3.5		
DDA	I	08 00 38 21.9	37.58N	44.57E	1	3.6		
ISC	Event type ke.							
NSSC	Error ellipse: s-maj=183.8km s-min=194.8km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=7.0.							
DDA	Event type ke.							
ISC	**I**	**15 13 35 26.2–1.3**	**38.53N–.03**	**44.12E–.06**	**3–12**		**29**	**1-2**
CSEM	I	15 13 35 24.8–.53	38.53N	44.29E	2	2.9		¶12854712
DDA	I	15 13 35 26.2	38.50N	44.12E	7	3.1		
ISK	I	15 13 35 27.7	38.64N	44.08E	2	2.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.9km s-min=4.7km az=97.0.							
DDA	Event type ke.							
ISC	**I**	**22 01 47 27.6–.76**	**38.41N–.04**	**44.93E–.03**	**10**		**47**	**1-4**
AZER	I	22 01 47 23.9	38.43N	44.87E	0			¶12854904
NSSP	I	22 01 47 26.0	38.42N	45.07E		2.8s		
ISK	I	22 01 47 27.6	38.41N	44.89E	5	3.6		
ISCJB	I	22 01 47 28.7–.70	38.35N–.05	44.94E–.04	10	3.6		
CSEM	I	22 01 47 28.3–.40	38.40N	44.93E	2	3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=4.5km az=160.4.							
CSEM	Event type ke. Error ellipse: s-maj=10.8km s-min=6.5km az=162.0.							
ISC	**II**	**20 10 57 21.7–.91**	**37.29N–.03**	**44.76E–.02**	**1–8**		**76**	**1-9**
ISK	II	20 10 57 18.5	37.00N	44.72E	5	3.6L,3.5		¶13434902
CSEM	II	20 10 57 22.4–.26	37.23N	44.71E	2	3.5,3.5		
TEH	II	20 10 57 24.0	37.53N	44.79E	8	3.5L,3.5		
DDA	II	20 10 57 29.6	37.43N	44.05E	5	3.7L,3.5		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.1km s-min=5.7km az=26.0.							
DDA	Event type ke.							
ISC	**II**	**25 17 28 54.3–1.1**	**38.54N–.02**	**44.28E–.02**	**5–8**	**3.6b**	**167**	**1-78**
THR	II	25 17 28 49.8–.30	38.84N	43.59E	54	3.5L		¶12701849
NSSP	II	25 17 28 50.8	38.37N	44.48E	15	3.7s		
DDA	II	25 17 28 50.3	38.61N	44.50E	5	3.7		
IDC	II	25 17 28 53.7–1.5	38.66N	44.35E	0	3.8,3.7		
CSEM	II	25 17 28 53.7–.18	38.46N	44.26E	2	3.6,3.7		
ISK	II	25 17 28 54.0	38.56N	44.20E	5	3.6,3.7		
TEH	II	25 17 28 54.5	38.70N	44.47E	3	3.7L,3.7		
AZER	II	25 17 28 56.6	38.54N	44.78E	0	3.7L,3.7		
ISC	Event type ke.							
THR	Error ellipse: s-maj=3.1km s-min=4.3km az=-1.0.							
DDA	Event type ke.							
IDC	Error ellipse: s-maj=26.8km s-min=19.3km az=22.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=1.0.							
ISC	**II**	**25 18 19 24.3–.89**	**38.54N–.02**	**44.37E–.01**	**5–8**		**127**	**1-29**
IDC	II	25 18 19 11.7–5.7	36.61N	43.38E	0	3.7b,3.6		¶12701854
NSSP	II	25 18 19 20.5	38.40N	44.45E	11	3.5s,3.6		
ISK	II	25 18 19 23.2	38.56N	44.31E	4	3.7,3.6		
DDA	II	25 18 19 23.4	38.59N	44.25E	5	3.6,3.6		
AZER	II	25 18 19 23.8	38.37N	44.46E	1	3.6,3.6		
CSEM	II	25 18 19 24.5–.20	38.52N	44.24E	2	3.7,3.6		
TEH	II	25 18 19 26.3	38.64N	44.56E	4	3.5L,3.6		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=98.0km s-min=40.3km az=38.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=167.0.							
ISC	**III**	**07 03 10 01.0–1.2**	**38.81N–.03**	**44.60E–.04**	**6–10**		**61**	**1-4**
NSSP	III	07 03 09 53.4	38.60N	45.22E	10	3.0s		¶13435633
ISK	III	07 03 09 59.4	38.83N	44.61E	5	3.5		
CSEM	III	07 03 10 00.2–.44	38.80N	44.62E	5	3.5		
DDA	III	07 03 10 03.1	38.83N	44.57E	4	3.2		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.8km s-min=6.7km az=119.0.							
DDA	Event type ke.							
ISC	**III**	**10 04 32 43.6–1.3**	**38.63N–.03**	**44.72E–.04**	**18–6**		**54**	**1-5**
NSSP	III	10 04 32 37.3	38.67N	44.72E	10	3.1s		¶13435884
DDA	III	10 04 32 40.4	38.67N	44.86E	2	3.4		
ISK	III	10 04 32 42.9	38.72N	44.65E	5	3.5		
CSEM	III	10 04 32 44.4–.53	38.68N	44.58E	2	3.5		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=12.8km s-min=7.4km az=105.0.							
ISC	**III**	**10 21 47 22.8–1.1**	**38.59N–.02**	**44.20E–.03**	**4–11**		**72**	**1-5**
NSSP	III	10 21 47 20.4	38.37N	44.52E	10	3.3s		¶13435942
DDA	III	10 21 47 20.6	38.64N	44.44E	2	3.4		
ISK	III	10 21 47 21.9	38.66N	44.13E	5	3.5		
CSEM	III	10 21 47 22.8–.32	38.60N	44.14E	2	3.5		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=8.8km s-min=5.1km az=118.0.							
ISC	**III**	**10 21 58 36.5–1.2**	**38.62N–.02**	**44.11E–.03**	**1–11**		**48**	**1-5**
ISK	III	10 21 58 34.7	38.67N	44.15E	5	3.4		¶13435943
NSSP	III	10 21 58 36.0	38.33N	44.67E	15	2.9s		
CSEM	III	10 21 58 35.0–.34	38.63N	44.20E	2	3.4		
DDA	III	10 21 58 38.2	38.62N	44.53E	26	3.1		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.1km s-min=5.3km az=85.0.							
DDA	Event type ke.							
ISC	**III**	**16 12 14 00.7–1.2**	**38.90N–.03**	**44.59E–.03**	**4–11**		**51**	**1-4**
ISK	III	16 12 13 58.9	39.00N	44.63E	5	3.1		¶13436444
NSSP	III	16 12 14 00.5	38.85N	44.53E	5	3.0s		
CSEM	III	16 12 14 00.9–.36	38.97N	44.52E	2	3.1		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=13.2km s-min=6.4km az=163.0.							
ISC	**IV**	**04 05 29 30.5–2.7**	**37.29N–.09**	**44.5E–.10**	**8–11**		**30**	**1-4**
ISK	IV	04 05 29 28.7	37.26N	44.55E	5	3.4		¶13567884
CSEM	IV	04 05 29 30.8–1.5	37.35N	44.52E	2	3.4		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=31.8km s-min=16.6km az=141.0.							
ISC	**IV**	**15 13 54 25.5–2.1**	**37.61N–.04**	**44.37E–.08**	**5–12**		**26**	**1-4**
CSEM	IV	15 13 54 27.9–.55	37.57N	44.17E	15	3.0		¶15135119
DDA	IV	15 13 54 28.3	37.63N	44.18E	8	3.0		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=17.1km s-min=7.8km az=65.0.							
DDA	Event type ke.							
ISC	**V**	**10 00 41 11.9–1.2**	**37.70N–.02**	**44.06E–.04**	**12–9**		**72**	**0-5**
CSEM	V	10 00 41 11.5–.43	37.72N	44.06E	2	3.5		¶13839461
ISK	V	10 00 41 11.5	37.76N	43.87E	5	3.7		
DDA	V	10 00 41 14.1	37.74N	43.74E	5	3.5		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.4km s-min=5.3km az=98.0.							
DDA	Event type ke.							
ISC	**V**	**10 03 14 07.5–2.5**	**37.34N–.07**	**44.46E–.09**	**6–11**		**42**	**1-4**
DDA	V	10 03 14 05.2	37.22N	44.45E	4	3.5		¶13839466
CSEM	V	10 03 14 07.0–1.1	37.34N	44.48E	2	3.4		
ISK	V	10 03 14 08.0	37.47N	44.32E	5	3.4		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=21.4km s-min=11.8km az=138.0.							
ISC	**V**	**19 17 16 04.5–1.5**	**38.54N–.04**	**44.26E–.04**	**4–13**		**22**	**1-3**
DDA	V	19 17 16 02.8	38.58N	44.37E	7	2.9		¶15136707
CSEM	V	19 17 16 02.8	38.58N	44.37E	7	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.							
ISC	**V**	**21 21 53 55.7–1.4**	**38.99N–.03**	**44.23E–.06**	**7–11**		**24**	**0-2**
ISCJB	V	21 21 53 55.3–1.5	39.05N–.05	44.29E–.08	2–10			¶15136753
DDA	V	21 21 53 56.3	39.00N	44.16E	8	2.8		
CSEM	V	21 21 53 56.3	39.00N	44.16E	8	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.6km s-min=7.9km az=5.5.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.							
ISC	**V**	**26 18 56 40.8–1.4**	**38.74N–.03**	**44.56E–.04**	**1–11**		**30**	**1-5**
NSSP	V	26 18 56 37.6	38.55N	44.47E	10	2.7s		¶14341958
DDA	V	26 18 56 38.5	38.77N	44.75E	7	2.6		
CSEM	V	26 18 56 40.7–.67	38.78N	44.60E	2	2.6		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=14.4km s-min=9.5km az=115.0.							
ISC	**V**	**27 10 55 58.2–1.2**	**38.63N–.03**	**44.78E–.02**	**14–11**		**48**	**1-3**
NSSP	V	27 10 55 53.8	38.52N	44.87E	10	3.4s		¶14341959
TEH	V	27 10 55 55.2	38.69N	44.51E	16	3.6L		
ISCJB	V	27 10 55 57.7–1.0	38.54N–.05	44.73E–.04	7–9	3.6L		
CSEM	V	27 10 55 57.5–.25	38.54N	44.72E	10	3.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.9km s-min=4.9km az=174.3.							
CSEM	Event type ke. Error ellipse: s-maj=6.9km s-min=5.0km az=4.0.							
ISC	**V**	**27 12 41 20.8–1.5**	**38.63N–.05**	**44.72E–.05**	**10–15**		**30**	**1-2**
NSSP	V	27 12 41 19.0	38.52N	44.72E		2.8s		¶14341960
DDA	V	27 12 41 20.2	38.65N	44.70E	7	3.0		
CSEM	V	27 12 41 20.6–.52	38.58N	44.71E	2	3.0		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=13.3km s-min=7.4km az=144.0.							
ISC	**V**	**29 23 13 14.2–1.0**	**38.88N–.03**	**44.54E–.03**	**17–10**		**54**	**1-4**
NSSP	V	29 23 13 09.6	38.57N	44.80E	8	2.8s		¶13840141
DDA	V	29 23 13 11.1	38.89N	44.76E	6	3.1		
ISK	V	29 23 13 13.7	38.89N	44.50E	3	3.5		
CSEM	V	29 23 13 14.4–.39	38.89N	44.53E	2	2.8L		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=10.0km s-min=6.5km az=134.0.							
ISC	**VI**	**04 09 22 19.6–1.7**	**38.91N–.05**	**44.76E–.04**	**10–14**		**17**	**1-2**
CSEM	VI	04 09 22 18.9–.54	38.85N	44.75E	2	2.8L		¶14341962
NSSP	VI	04 09 22 19.4	39.03N	44.67E	10	2.8s		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=16.1km s-min=9.1km az=136.0.							
ISC	**VI**	**09 09 40 44.1–1.5**	**38.35N–.07**	**44.60E–.05**	**10**		**14**	**1-3**
NSSP	VI	09 09 40 42.4	38.37N	44.63E	10	2.9s		¶14341963
ISCJB	VI	09 09 40 46.6–1.0	38.29N–.07	44.52E–.06	10	2.9s		
ISC	Event type ke.							
ISCJB	Event type ke.							

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ISC	**I**	**22 23 21 19.4–1.9**	**39.8N–.10**	**44.5E–.10**	**7**		**10**	**1-2**
								¶16193605

ISC Event type ke.
ISC I 24 04 30 18.8–1.4 38.14N–.04 48.04E–.03 8–10 82 1-14
AZER I 24 04 30 17.9 37.82N 48.33E 21 ¶12699156
TEH I 24 04 30 19.5 38.15N 48.01E 3 3.5L
CSEM I 24 04 30 20.1–.24 38.00N 47.93E 2 3.5L
NSSP I 24 04 30 33.7 38.78N 47.75E 2.8s
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.4km az=15.0.
ISC II 01 18 40 29.5–.92 38.71N–.03 48.63E–.04 32–7 67 0-9
TEH II 01 18 40 27.4 38.76N 48.65E 8 3.7L ¶14544013
CSEM II 01 18 40 27.3–.15 38.64N 48.64E 5 3.7L
AZER II 01 18 40 27.4 38.75N 48.50E 7 3.7L
ISCJB II 01 18 40 28.9–.50 38.65N–.03 48.77E–.04 29–5 3.7L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC II 10 03 10 48.6–1.1 39.66N–.02 44.49E–.02 2–11 104 0-4
NSSP II 10 03 10 47.2 39.63N 44.47E 26 3.0s ¶13434432
TIF II 10 03 10 47.9 39.66N 44.49E 6–2 3.0s
ISK II 10 03 10 48.0 39.64N 44.52E 5 3.3
DDA II 10 03 10 49.0 39.62N 44.48E 2 3.3
CSEM II 10 03 10 48.7–.16 39.67N 44.52E 2 3.0L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=101.0.
ISC II 10 05 30 50.8–1.1 39.66N–.02 44.44E–.02 3–11 81 0-2
NSSP II 10 05 30 48.5 39.63N 44.43E 25 2.7s ¶13434433
CSEM II 10 05 30 50.3–.25 39.68N 44.50E 5 2.7L
ISK II 10 05 30 50.2 39.58N 44.60E 17 2.8
DDA II 10 05 30 51.7 39.62N 44.44E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=111.0.
DDA Event type ke.
ISK II 19 02 56 56.4 39.28N 44.32E 28 3.1
CSEM II 19 02 56 56.4 39.28N 44.32E 28 3.1 ¶13434852
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC II 20 22 37 40.6–1.3 39.43N–.03 44.02E–.04 5–14 29 0-2
ISCJB II 20 22 37 40.7–.72 39.45N–.04 44.00E–.08 5–8 ¶13434921
ISK II 20 22 37 40.3 39.45N 43.97E 8 2.8
CSEM II 20 22 37 41.0–.34 39.46N 43.98E 10 3.0
DDA II 20 22 37 43.1 39.40N 43.88E 22 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=5.5km az=28.9.
CSEM Event type ke. Error ellipse: s-maj=11.2km s-min=6.3km az=108.0.
DDA Event type ke.
ISC II 25 22 25 45.7–.75 39.38N–.02 45.32E–.02 10 81 0-4
AZER II 25 22 25 41.9 39.33N 44.96E 0 ¶13435094
TIF II 25 22 25 44.1 39.39N 45.39E 4–3
NSSP II 25 22 25 47.0 39.30N 45.33E 7 2.7s
CSEM II 25 22 25 46.4–.22 39.47N 45.31E 2 2.7L
ISCJB II 25 22 25 47.4–.35 39.43N–.03 45.33E–.03 10 2.7L
ISK II 25 22 25 50.0 39.42N 44.90E 3 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=158.1.
ISC IV 09 17 06 13.8–.83 39.88N–.02 44.16E–.02 16–6 109 0-4
TIF IV 09 17 06 13.0 39.87N 44.16E 13–1 ¶13568035
NSSP IV 09 17 06 12.5 39.82N 44.15E 18 2.9s
ISK IV 09 17 06 13.3 39.86N 44.16E 10 3.3
DDA IV 09 17 06 13.7 39.79N 44.22E 7 3.3
ISCJB IV 09 17 06 13.7–.43 39.86N–.02 44.14E–.03 1–3 3.3
CSEM IV 09 17 06 13.7–.19 39.87N 44.14E 5 2.9L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=31.4.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=129.0.
ISC IV 21 12 26 25.1–.91 38.73N–.03 48.73E–.04 26–7 71 0-9
CSEM IV 21 12 26 23.0–.23 38.65N 48.74E 2 3.7L ¶14370420
AZER IV 21 12 26 23.7 38.85N 48.72E 16 3.7L
THR IV 21 12 26 23.3–.62 38.65N 48.71E 14–9 3.5L
ISCJB IV 21 12 26 24.2–.43 38.75N–.02 48.83E–.04 25–4 3.5L
TEH IV 21 12 26 24.1 38.76N 48.71E 12 3.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=3.8km az=12.0.
THR Error ellipse: s-maj=5.1km s-min=8.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=151.3.
ISC IV 24 18 28 49.5–1.1 38.57N–.02 45.28E–.02 9–9 3.1b 106 0-28
NSSP IV 24 18 28 32.1 38.47N 45.20E 25 3.7s ¶12936067
AZER IV 24 18 28 46.4 38.42N 45.18E 0 3.7s
THR IV 24 18 28 48.5–.55 38.51N 45.22E 14–13 3.6L
CSEM IV 24 18 28 49.3–.24 38.54N 45.31E 2 3.6L
ISK IV 24 18 28 49.1 38.48N 45.10E 5 3.7
IDC IV 24 18 28 50.3–2.3 38.71N 45.35E 0 3.4,3.3
TEH IV 24 18 28 51.8 38.47N 45.41E 4 3.6L,3.3
ISC Event type ke.
THR Error ellipse: s-maj=7.2km s-min=5.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=31.0.
IDC Error ellipse: s-maj=37.2km s-min=18.4km az=44.0.
ISC V 23 15 40 15.2–1.1 39.54N–.02 44.68E–.02 8–9 52 1-3
NSSP V 23 15 40 10.9 39.65N 44.47E 10 3.2s ¶13839994
ISK V 23 15 40 15.0 39.52N 44.68E 8 2.9
TIF V 23 15 40 15.6 39.61N 44.45E 11–3 2.9
CSEM V 23 15 40 15.7–.26 39.54N 44.64E 10 3.2L
DDA V 23 15 40 19.3 39.50N 44.36E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.8km az=156.0.
DDA Event type ke.
ISK VI 08 00 26 25.4 39.36N 44.08E 20 2.7
CSEM VI 08 00 26 25.4 39.36N 44.08E 20 2.7 ¶13840430
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VI 16 16 21 18.9–1.1 38.86N–.03 48.56E–.03 9–9 68 0-17
THR VI 16 16 21 18.6–.44 38.69N 48.27E 15–9 3.7L ¶13840717
TEH VI 16 16 21 19.9 38.90N 48.53E 3 3.9L
CSEM VI 16 16 21 19.4–.31 38.88N 48.57E 10 3.9L
AZER VI 16 16 21 20.5 38.95N 48.50E 8 3.9L
NNC VI 16 16 21 30.0–9.3 39.32N 49.95E 0 3.7b
ISC Event type ke.
THR Error ellipse: s-maj=5.5km s-min=17.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=6.1km az=165.0.
NNC Error ellipse: s-maj=110.7km s-min=38.5km az=79.0.
ISC VI 22 00 06 06.4–.89 39.87N–.02 44.19E–.02 14–6 92 0-4
NSSP VI 22 00 06 04.8 39.80N 44.22E 10 3.2s ¶13841208
TIF VI 22 00 06 04.9 39.82N 44.18E 11–1 3.2s
ISK VI 22 00 06 07.0 39.86N 44.16E 5 3.5
DDA VI 22 00 06 08.0 39.89N 44.15E 2 3.2
CSEM VI 22 00 06 08.0–.32 39.94N 44.13E 2 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=5.6km az=123.0.
ISC VI 22 05 17 57.1–1.3 39.90N–.04 44.13E–.06 12–12 22 0-2
DDA VI 22 05 17 57.1 39.92N 44.14E 7 2.8 ¶14766896
TIF VI 22 05 17 57.1 39.92N 44.15E 13–3 2.8
CSEM VI 22 05 17 58.7–.67 39.90N 44.02E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.4km s-min=8.3km az=113.0.

(345) Northwestern Iran.

ISC IV 11 20 24 41.9–4.2 37.2N–.20 45.3E–.20 10 8 2-4
DDA IV 11 20 24 47.5 37.13N 44.66E 12 3.3 ¶15135001
ISC Event type ke.

DDA Event type ke.

(346) Iran-Iraq border region.

ISC I 04 14 00 27.6–1.4 33.84N–.05 45.59E–.04 1–12 56 1-45
ISCJB I 04 14 00 26.7–.66 33.82N–.04 45.61E–.04 8–6 3.4b ¶12080210
TEH I 04 14 00 27.5 33.77N 45.54E 8 3.6L
CSEM I 04 14 00 27.6–.27 33.85N 45.59E 5 3.6L
IDC I 04 14 00 27.8–2.1 33.85N 45.65E 0 3.5,3.5
THR I 04 14 00 29.2–.44 33.85N 45.65E 14–6 3.5L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.3km az=145.4.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.4km az=130.0.
IDC Error ellipse: s-maj=58.4km s-min=30.6km az=158.0.
THR Error ellipse: s-maj=3.9km s-min=8.1km az=-1.0.
ISC I 04 16 04 47.6–.68 32.31N–.03 47.44E–.04 23 3.8b 86 1-47
THR I 04 16 04 44.1–.34 32.16N 47.20E 18–5 3.9L ¶13404603
IDC I 04 16 04 44.3–1.7 32.44N 47.39E 0 3.9L,3.8b
CSEM I 04 16 04 45.9–.20 32.33N 47.44E 2 3.9L,3.8b
TEH I 04 16 04 45.7 32.23N 47.36E 6 3.7L,3.8b
ISCJB I 04 16 04 46.4–.39 32.33N–.04 47.43E–.04 23 3.7b,3.8b
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 22 11 00 31.7–1.1 32.57N–.05 46.85E–.05 10 3.6b 20 2-47
THR I 22 11 00 25.0–.29 32.31N 46.47E 39–6 3.8L ¶12082047
IDC I 22 11 00 26.7–3.6 32.87N 46.63E 0 3.6b,3.6
ISCJB I 22 11 00 28.8–.42 32.61N–.03 46.92E–.04 10 3.6b,3.6
CSEM I 22 11 00 29.0–.16 32.60N 46.93E 2 3.6L,3.6
TEH I 22 11 00 30.7 32.58N 46.85E 18 3.6L,3.6
ISC Event type ke.
THR Error ellipse: s-maj=8.4km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=247.2km s-min=27.0km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=37.9.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=75.0.
ISC I 30 07 31 42.0–1.2 32.18N–.03 47.32E–.03 15–8 3.9b,3.4s 211 1-64
IDC I 30 07 31 38.4–2.0 32.08N 47.64E 0 3.9,3.8b ¶12082727
TEH I 30 07 31 41.5 32.17N 47.27E 4 4.2L,3.8b
NEIC I 30 07 31 42.3–.47 32.23N 47.37E 10 4.3L,4.2
THR I 30 07 31 42.3–.98 32.39N 47.29E 15–8 4.3L,4.2
CSEM I 30 07 31 42.2–.14 32.19N 47.32E 15 4.3s,4.0b
MOS I 30 07 31 43.7–1.7 32.33N 47.32E 33 4.2b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=15.5km az=160.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.4km az=191.0.
THR Error ellipse: s-maj=5.3km s-min=7.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=26.0.
MOS Error ellipse: s-maj=12.8km s-min=9.0km az=100.5.
ISC IV 07 17 32 50.3–.76 32.58N–.03 47.84E–.03 4–4 4.5b,4.2s 528 1-99
OMAN IV 07 17 32 41.1–99 33.37N 47.32E 98 4.5b,4.2s ¶13438132
IDC IV 07 17 32 49.8–.64 32.76N 47.83E 0 4.2,4.2
BJI IV 07 17 32 49.3 32.70N 47.00E 42 5.0b,4.7s
NEIC IV 07 17 32 50.2–.28 32.59N 47.77E 10 4.7b,4.5
TEH IV 07 17 32 51.6 32.52N 47.83E 5 4.5L,4.5
CSEM IV 07 17 32 51.2–.12 32.52N 47.85E 15 4.7b,4.6s
MOS IV 07 17 32 52.2–1.4 32.62N 47.79E 33 4.5b,4.6s
THR IV 07 17 32 52.5–.57 32.71N 48.00E 14–7 4.3L,4.6s
ISC Event type ke.
OMAN Error ellipse: s-maj=65.2km s-min=5.3km az=336.0.
IDC Error ellipse: s-maj=16.3km s-min=11.5km az=173.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.0km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=11.0.
MOS Error ellipse: s-maj=7.2km s-min=4.4km az=119.5.
THR Error ellipse: s-maj=2.8km s-min=5.7km az=-1.0.
ISC IV 22 13 52 39.1–1.3 30.67N–.04 48.37E–.06 2–12 28 1-5
KISR IV 22 13 52 38.7–.80 30.62N 48.39E 10–4 3.2L ¶15681629
CSEM IV 22 13 52 39.5–.19 30.70N 48.37E 2 3.2L
ISC Event type ke.
KISR Error ellipse: s-maj=5.8km s-min=8.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=3.5km az=116.0.
ISC IV 22 14 02 37.6–1.5 30.76N–.04 48.19E–.07 4–11 3.7b 33 1-46
IDC IV 22 14 02 35.7–2.4 30.69N 48.25E 0 3.8,3.7 ¶12935954
KISR IV 22 14 02 37.9–.87 30.65N 48.33E 13–3 3.2L,3.7
CSEM IV 22 14 02 38.8–.21 30.69N 48.37E 2 3.2L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=57.2km s-min=28.7km az=153.0.
KISR Error ellipse: s-maj=5.9km s-min=7.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=14.9km s-min=3.7km az=120.0.
ISC IV 22 15 16 38.9–.99 30.63N–.05 48.37E–.06 35 3.7b 24 1-35
THR IV 22 15 16 34.1–.31 30.56N 48.24E 15–4 3.5L ¶12935950
IDC IV 22 15 16 36.8–23 31.17N 48.31E 0 3.7,3.7b
ISCJB IV 22 15 16 38.1–.53 30.70N–.06 48.38E–.10 33 3.7b,3.7b
CSEM IV 22 15 16 38.1–.32 30.63N 48.37E 20 3.5L,3.7b
ISC Event type ke.
THR Error ellipse: s-maj=2.4km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=464.2km s-min=40.6km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=6.1km az=29.8.
CSEM Event type ke. Error ellipse: s-maj=16.4km s-min=7.0km az=108.0.
ISC V 30 16 06 30.0–.92 32.31N–.03 47.49E–.04 10 58 1-8
TEH V 30 16 06 28.8 32.22N 47.39E 4 3.9L ¶14370636
ISCJB V 30 16 06 29.5–.43 32.32N–.03 47.58E–.05 10 3.9L
CSEM V 30 16 06 29.4–.19 32.32N 47.54E 2 3.9L
THR V 30 16 06 34.2–.37 32.58N 47.83E 30–4 3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.5km az=177.9.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=86.0.
THR Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0.
ISC VI 18 11 45 48.2–1.1 33.37N–.03 46.12E–.03 8–11 59 0-7
ISCJB VI 18 11 45 47.2–.57 33.35N–.03 46.15E–.04 8–5 ¶14544641
TEH VI 18 11 45 47.8 33.32N 46.03E 14 3.6L
CSEM VI 18 11 45 48.9–.14 33.40N 46.13E 15 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=43.9.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=147.0.
ISC VI 18 12 52 47.0–1.2 32.39N–.03 47.32E–.03 33–9 3.8b 88 1-64
IDC VI 18 12 52 42.0–1.3 32.39N 47.25E 0 3.9,3.9 ¶13681602
THR VI 18 12 52 42.2–.80 32.02N 47.07E 42–8 3.8L,3.9
CSEM VI 18 12 52 46.2–.16 32.39N 47.39E 10 3.8L,3.9
TEH VI 18 12 52 47.4 32.41N 47.39E 14 3.7L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=19.4km az=1.0.
THR Error ellipse: s-maj=11.4km s-min=6.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=78.0.
ISC VI 24 14 36 03.8–1.2 33.17N–.04 46.33E–.04 15–8 3.4b 62 0-45
IDC VI 24 14 36 01.3–2.2 33.22N 46.36E 0 3.6,3.6 ¶13681967
TEH VI 24 14 36 02.8 33.09N 46.26E 8 3.7L,3.6
CSEM VI 24 14 36 02.0–.30 33.01N 46.11E 20 3.7L,3.6
ISCJB VI 24 14 36 04.1–.67 33.11N–.04 46.34E–.04 27–7 3.4b,3.6
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VI 24 14 39 01.7–1.2 33.20N–.04 46.32E–.03 18–9 3.6b 55 0-45
IDC VI 24 14 38 59.5–1.9 33.32N 46.35E 0 3.6,3.6 ¶13681969
TEH VI 24 14 39 00.8 33.10N 46.28E 8 3.6L,3.6
CSEM VI 24 14 39 01.7–.29 33.18N 46.53E 2 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=55.0km s-min=23.6km az=151.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.0km az=82.0.
ISC VI 25 15 04 53.5–.50 33.13N–.03 46.40E–.02 18–2 4.3b,3.5s 417 0-123
THR VI 25 15 04 49.0–.89 32.71N 45.88E 46–7 4.5L,3.5s ¶13256752
IDC VI 25 15 04 50.9–.67 33.17N 46.41E 0 4.2,4.2
BJI VI 25 15 04 50.0 32.90N 46.40E 10 4.9b,4.6b

TEH VI 25 15 04 53.7 33.10N 46.34E 8 4.4L,4.6b
NEIC VI 25 15 04 54.1 33.12N 46.38E 8 4.5b,4.4
CSEM VI 25 15 04 56.4–.10 33.15N 46.39E 40 4.5b,4.5s
MOS VI 25 15 04 59.0–1.0 33.16N 46.36E 83 4.3b,4.5s
ISC Event type ke.
THR Error ellipse: s-maj=14.2km s-min=17.1km az=-1.0.
IDC Error ellipse: s-maj=17.7km s-min=13.9km az=173.0.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=19.0.
MOS Error ellipse: s-maj=7.4km s-min=4.7km az=108.5.
ISC VI 25 17 08 41.8–1.0 33.16N–.03 46.36E–.03 17–7 4.2b 173 0-123
IDC VI 25 17 08 38.7–.67 33.12N 46.44E 0 4.1,4.1b **¶13682019**
CSEM VI 25 17 08 41.2–.21 33.14N 46.36E 10 4.4b,4.4s
NEIC VI 25 17 08 41.2 33.07N 46.32E 3 4.3b,4.1
TEH VI 25 17 08 42.1 33.10N 46.34E 8 4.1L,4.1
THR VI 25 17 08 42.9–.48 33.27N 46.53E 14–5 4.0L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=14.3km az=166.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.1km az=53.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=2.7km s-min=13.4km az=-1.0.
ISC VI 29 00 04 36.5–1.3 32.89N–.03 47.63E–.04 30–10 3.5b 74 1-120
IDC VI 29 00 04 31.9–1.4 32.85N 47.62E 0 3.6,3.5 **¶13682230**
TEH VI 29 00 04 34.7 32.83N 47.68E 4 3.5L,3.5
CSEM VI 29 00 04 34.8–.23 32.86N 47.67E 10 3.5L,3.5
KISR VI 29 00 04 35.2–.48 32.44N 47.69E 34–999 3.1L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=17.4km az=160.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.7km az=86.0.
KISR Error ellipse: s-maj=999.9km s-min=180.3km az=-1.0.
ISC VI 29 08 48 17.3–.80 32.87N–.07 47.44E–.04 15 3.6b 17 1-47
KISR VI 29 08 48 10.4–.30 27.90N 50.57E 34 3.0L **¶16101854**
IDC VI 29 08 48 13.4–2.0 32.69N 47.36E 0 3.8,3.8b
ISCJB VI 29 08 48 14.2–.53 32.68N–.05 47.32E–.05 15 3.7b,3.8b
CSEM VI 29 08 48 18.7–.29 32.78N 47.50E 2 3.2L,3.8b
ISC Event type ke.
KISR Error ellipse: s-maj=18.7km s-min=17.8km az=-1.0.
IDC Error ellipse: s-maj=49.0km s-min=24.0km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.3km az=36.2.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=5.4km az=15.0.

(347) Western Iran.

ISC I 01 00 45 25.9–1.4 35.74N–.04 48.89E–.03 7–13 65 1-7
THR I 01 00 45 24.3–.37 35.68N 48.91E 14–3 3.6L **¶14357909**
CSEM I 01 00 45 25.6–.21 35.77N 48.92E 2 3.6L
TEH I 01 00 45 26.5 35.84N 48.92E 4 3.7L
KISR I 01 00 45 34.0–1.3 34.79N 46.21E 34–999 2.9L
ISC Event type ke.
THR Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.1km az=163.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC I 07 01 19 00.3–1.2 32.03N–.04 49.80E–.02 15–8 4.0b 158 1-85
NEIC I 07 01 19 00.1 31.97N 49.74E 2 4.0,4.0L **¶13404644**
TEH I 07 01 19 01.0 32.02N 49.78E 7 4.0L,4.0L
THR I 07 01 19 01.3–1.0 31.91N 49.70E 45–8 4.0L,4.0L
IDC I 07 01 19 03.5–3.5 32.16N 49.69E 41–31 3.8,3.8L
CSEM I 07 01 19 03.0–.15 31.98N 49.78E 50–2 4.3b,4.0s
ISC Event type ke.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=7.3km s-min=8.0km az=-1.0.
IDC Error ellipse: s-maj=36.2km s-min=15.5km az=159.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=173.0.
ISC I 10 20 04 01.8–1.0 32.41N–.03 48.82E–.04 22–10 3.6b 82 0-47
IDC I 10 20 03 57.6–2.4 32.39N 48.79E 0 3.7b,3.7 **¶12080979**
CSEM I 10 20 04 00.6–.32 32.42N 48.88E 0–2 3.5L,3.7
THR I 10 20 04 00.9–.37 32.34N 48.86E 27–2 3.5L,3.7
ISCJB I 10 20 04 01.6–1.2 32.40N–.03 48.91E–.04 20–13 3.7b,3.7
TEH I 10 20 04 01.9 32.47N 48.85E 3 3.5L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=71.2km s-min=29.1km az=154.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=119.0.
THR Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.4km az=32.5.
CSEM II 05 23 44 46.4 35.74N 48.93E 16 3.1L
KISR II 05 23 45 00.4–.30 33.48N 43.57E 34 2.3L **¶15955049**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
KISR Error ellipse: s-maj=35.4km s-min=42.0km az=-1.0.
ISC III 02 21 46 07.3–1.4 32.13N–.04 49.85E–.03 25–9 4.6b,3.7s 580 1-96
BJI III 02 21 46 02.7 32.29N 49.50E 14 4.7s,4.7b **¶11738989**
IDC III 02 21 46 03.5–.65 32.26N 49.89E 0 4.2L,4.2
CSEM III 02 21 46 05.9–.12 32.16N 49.84E 15 4.7b,3.8s
NEIC III 02 21 46 05.5 32.13N 49.87E 2 4.7b,4.3
ISCJB III 02 21 46 06.3–.35 32.08N–.03 49.85E–.02 37–3 4.5b,3.7s
TEH III 02 21 46 06.3 32.16N 49.88E 7 4.3L,3.7s
MOS III 02 21 46 07.1–1.1 32.30N 49.76E 33 4.7b,3.7s
THR III 02 21 46 07.4–1.2 32.20N 49.86E 34–8 4.4L,3.7s
SZGRF III 02 21 46 12.6 32.47N 49.35E 33 4.7b,4.1s
OMAN III 02 21 47 02.9–99 28.14N 51.52E 78 4.7b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=12.0km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=3.0.
NEIC Event type se. After TEH.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=22.5.
MOS Error ellipse: s-maj=7.7km s-min=3.7km az=124.9.
THR Error ellipse: s-maj=7.9km s-min=7.2km az=-1.0.
SZGRF Western Iran.
OMAN Error ellipse: s-maj=228.3km s-min=10.5km az=330.0.
ISC III 07 15 20 00.3–1.1 31.58N–.04 49.47E–.08 22–11 3.8b 29 1-47
IDC III 07 15 19 57.4–1.6 31.74N 49.39E 0 3.8,3.8 **¶12702646**
KISR III 07 15 19 59.6–.81 31.42N 49.59E 34–136 3.0L,3.8
CSEM III 07 15 20 00.5–.24 31.74N 49.54E 2 3.2L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=31.3km s-min=29.0km az=29.0.
KISR Error ellipse: s-maj=196.5km s-min=180.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.7km az=112.0.
ISC IV 02 07 17 37.9–.98 33.65N–.03 48.81E–.03 13 63 1-7
THR IV 02 07 17 36.7–1.4 33.68N 48.80E 15–13 3.5L **¶14370317**
ISCJB IV 02 07 17 36.3–.40 33.64N–.03 48.76E–.03 13 3.5L
TEH IV 02 07 17 37.1 33.56N 48.81E 4 3.6L
CSEM IV 02 07 17 38.9–.18 33.62N 48.85E 20–0 3.6L
ISC Event type ke.
THR Error ellipse: s-maj=6.4km s-min=9.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=22.6.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=150.0.
ISC IV 08 13 36 20.6–2.9 33.95N–.04 47.16E–.08 2–19 3.6b 33 1-83
THR IV 08 13 36 21.7–1.0 34.01N 47.05E 18–12 3.6L **¶12934800**
CSEM IV 08 13 36 21.3–.18 34.03N 47.00E 2 3.6L
KISR IV 08 13 36 25.2–.46 33.47N 47.00E 4–999 2.9L
IDC IV 08 13 36 29.9–4.3 33.88N 47.25E 80–44 3.4L,3.3
ISC Event type ke.
THR Error ellipse: s-maj=6.3km s-min=8.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=2.2km az=103.0.
KISR Error ellipse: s-maj=999.9km s-min=202.8km az=-1.0.
IDC Error ellipse: s-maj=40.7km s-min=19.9km az=156.0.
ISC IV 22 21 46 16.6–1.6 31.22N–.04 48.41E–.04 13–11 4.0b 77 1-46
IDC IV 22 21 46 15.2–2.5 31.41N 48.48E 0 3.7L,3.6 **¶12935935**
CSEM IV 22 21 46 17.1–.16 31.20N 48.51E 10 3.4L,3.6
TEH IV 22 21 46 18.1 31.11N 48.41E 26 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=60.4km s-min=26.7km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=113.0.

ISC IV 24 13 33 04.0–1.5 32.56N–.04 48.11E–.04 3–14 53 1-6
CSEM IV 24 13 33 03.5–.45 32.57N 48.12E 0–3 3.5L **¶14544522**
TEH IV 24 13 33 05.0 32.57N 48.12E 6 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=70.0.
ISC IV 24 14 08 46.3–1.2 34.66N–.03 47.63E–.02 5–12 50 0-6
CSEM IV 24 14 08 47.1–.13 34.64N 47.61E 2 3.5L **¶14544523**
TEH IV 24 14 08 48.1 34.60N 47.63E 4 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=174.0.
ISC IV 25 15 14 54.9–.62 33.05N–.04 48.82E–.03 24–4 4.4b,3.3s 452 1-99
IDC IV 25 15 14 51.0–.60 33.10N 48.85E 0 4.2,4.2b **¶12704745**
BJI IV 25 15 14 52.4 33.00N 48.80E 20 4.9b,4.4b
CSEM IV 25 15 14 53.6–.11 33.03N 48.77E 16 4.5b,3.8s
MOS IV 25 15 14 53.6–.99 32.97N 48.77E 33 4.7b,3.8s
THR IV 25 15 14 55.1–1.4 33.14N 48.97E 15–13 4.4L,3.8s
NEIC IV 25 15 14 56.3 33.05N 48.83E 16 4.6b,4.4L
TEH IV 25 15 14 56.5 33.08N 48.84E 16 4.4L,4.4L
ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=11.4km az=174.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=17.0.
MOS Error ellipse: s-maj=7.0km s-min=4.3km az=120.8.
THR Error ellipse: s-maj=7.0km s-min=12.3km az=-1.0.
NEIC Event type se. After TEH.
ISC V 23 12 22 45.7–1.3 31.03N–.03 49.90E–.03 14–9 3.8b 69 1-86
IDC V 23 12 22 42.1–1.6 31.02N 49.90E 0 3.8b,3.8 **¶13193094**
THR V 23 12 22 45.6–.43 30.90N 49.84E 39–5 4.0L,3.8
CSEM V 23 12 22 45.2–.07 31.04N 49.92E 2 4.0L,3.8
TEH V 23 12 22 48.5 31.05N 49.94E 25 3.7L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=19.2km az=165.0.
THR Error ellipse: s-maj=4.3km s-min=5.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=136.0.
ISC V 26 23 52 47.1–.89 33.90N–.03 48.49E–.02 24–6 4.7b,3.7s 746 1-124
ISCJB V 26 23 52 42.9–.15 33.76N–.02 48.46E–.02 10 4.6b,3.8s **¶13193128**
BJI V 26 23 52 43.6 34.00N 48.50E 5 4.9b,4.6s
THR V 26 23 52 45.8–1.8 34.01N 48.52E 15 4.7L,4.6s
CSEM V 26 23 52 45.5–.10 33.87N 48.47E 15 4.8b,4.0s
MOS V 26 23 52 46.3–1.0 33.88N 48.36E 33 4.9b,4.0s
NEIC V 26 23 52 47.1 34.01N 48.52E 5 4.9b,4.8
IDC V 26 23 52 47.9–3.3 33.94N 48.46E 32–25 4.2,4.2
TEH V 26 23 52 48.4 33.94N 48.52E 16 4.8L,4.2
OMAN V 26 23 52 52.7–99 33.86N 49.09E 149–80 4.8L,4.2
AZER V 26 23 53 18.2 36.00N 48.19E 20 4.8L,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=17.4.
THR Error ellipse: s-maj=8.2km s-min=7.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=7.0.
MOS Error ellipse: s-maj=6.3km s-min=3.6km az=122.0.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=11.6km s-min=9.6km az=148.0.
OMAN Error ellipse: s-maj=30.4km s-min=11.2km az=241.0.
ISC V 27 00 10 49.6–1.6 33.98N–.03 48.52E–.03 8–11 4.1b 117 1-83
THR V 27 00 10 48.8–1.0 34.00N 48.50E 14–8 4.0L **¶13679708**
CSEM V 27 00 10 48.5–.19 33.86N 48.49E 10 4.6b,3.9s
NEIC V 27 00 10 50.0 33.96N 48.54E 1 4.3b,4.1
TEH V 27 00 10 50.6 33.93N 48.54E 7 4.1L,4.1
IDC V 27 00 10 51.4–4.0 33.95N 48.38E 35–30 3.7,3.6L
OMAN V 27 00 12 22.6–99 28.54N 53.60E 152–999 3.7,3.6L
ISC Event type ke.
THR Error ellipse: s-maj=3.5km s-min=4.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=37.0.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=23.9km s-min=13.3km az=142.0.
OMAN Error ellipse: s-maj=718.7km s-min=58.3km az=329.0.
ISC V 27 08 29 19.2–1.2 34.00N–.03 48.47E–.03 9–14 65 1-7
CSEM V 27 08 29 18.5–.20 33.94N 48.47E 2 3.8L **¶14370615**
THR V 27 08 29 18.6–.46 33.98N 48.44E 15 3.8L
TEH V 27 08 29 19.9 33.93N 48.50E 7 3.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=23.0.
THR Error ellipse: s-maj=2.1km s-min=3.1km az=-1.0.
ISC V 28 12 44 10.7–1.3 32.49N–.03 48.33E–.04 8–10 3.6b 70 1-80
IDC V 28 12 44 06.0–2.1 31.56N 48.80E 0 3.6,3.6 **¶13679812**
THR V 28 12 44 09.9–.78 32.45N 48.21E 18–9 3.5L,3.6
CSEM V 28 12 44 10.8–.11 32.49N 48.31E 2 3.5L,3.6
TEH V 28 12 44 12.7 32.51N 48.30E 12 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=75.3km s-min=25.3km az=159.0.
THR Error ellipse: s-maj=4.1km s-min=7.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=67.0.
ISC V 30 12 21 20.1–.52 32.51N–.03 48.24E–.03 15 3.8b 71 1-82
ISCJB V 30 12 21 19.3–.30 32.57N–.03 48.27E–.04 15 3.7b **¶14394240**
THR V 30 12 21 20.3–1.3 32.55N 48.29E 15–11 3.6L
CSEM V 30 12 21 20.1–.17 32.52N 48.29E 2 3.6L
TEH V 30 12 21 22.3 32.45N 48.23E 20 3.8L
KISR V 30 12 21 23.0–.36 32.06N 48.00E 34–277 3.3L
IDC V 30 12 21 24.4–4.2 32.59N 48.22E 54–39 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=136.0.
THR Error ellipse: s-maj=4.7km s-min=18.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=58.0.
KISR Error ellipse: s-maj=499.1km s-min=124.9km az=-1.0.
IDC Error ellipse: s-maj=33.1km s-min=16.3km az=168.0.
ISC V 30 15 22 18.4–.88 32.52N–.05 48.3E–.10 17 3.7b 20 1-36
ISCJB V 30 15 22 16.9–.70 32.60N–.05 48.1E–.10 17 3.6b **¶13679984**
KISR V 30 15 22 16.8–.58 32.41N 48.21E 12–999 2.6L
IDC V 30 15 22 20.4–18 33.35N 48.44E 0 3.7,3.7b
CSEM V 30 15 22 20.0–.29 32.47N 48.44E 20–0 2.6L,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=5.8km az=15.0.
KISR Error ellipse: s-maj=999.9km s-min=610.1km az=-1.0.
IDC Error ellipse: s-maj=385.9km s-min=36.7km az=10.0.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=6.0km az=97.0.
ISC VI 07 21 53 02.6–1.1 32.05N–.06 49.47E–.09 66–14 3.5b 32 1-48
IDC VI 07 21 52 55.4–2.1 32.15N 49.39E 0 3.6,3.6 **¶13439978**
KISR VI 07 21 52 58.6–.33 31.81N 49.25E 34–177 3.0L,3.6
CSEM VI 07 21 52 58.2–.16 32.06N 49.49E 2 3.3L,3.6
ISCJB VI 07 21 53 00.8–.54 32.11N–.06 49.4E–.10 58–9 3.5b,3.6
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VI 12 04 01 27.6–1.4 31.83N–.04 49.47E–.03 6–10 3.9b 91 1-47
IDC VI 12 04 01 25.1–2.4 31.70N 49.51E 0 3.8b,3.7 **¶13681201**
THR VI 12 04 01 27.8–1.5 31.83N 49.42E 16–13 3.7L,3.7
CSEM VI 12 04 01 28.2–.09 31.84N 49.46E 2 3.7L,3.7
TEH VI 12 04 01 29.2 31.83N 49.46E 4 3.7L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=71.7km s-min=26.1km az=148.0.
THR Error ellipse: s-maj=10.9km s-min=9.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=139.0.
ISC VI 19 08 48 48.8–1.1 32.81N–.03 48.42E–.03 30–9 3.8b 88 1-99
IDC VI 19 08 48 44.8–1.8 32.93N 48.28E 0 3.9,3.8b **¶13383512**
TEH VI 19 08 48 47.5 32.75N 48.36E 6 3.7L,3.8b
THR VI 19 08 48 47.9–1.4 32.88N 48.46E 15–11 3.5L,3.8b
CSEM VI 19 08 48 48.0–.20 32.82N 48.43E 10 3.5L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=47.4km s-min=19.6km az=157.0.
THR Error ellipse: s-maj=5.7km s-min=9.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=62.0.
ISC VI 20 02 28 58.2–1.8 31.17N–.05 49.72E–.04 8–13 3.5b 59 1-86

IDC VI 20 02 28 53.6–2.7 31.17N 49.72E 0 3.8,3.6 **¶13681691**
THR VI 20 02 28 54.0–.30 30.79N 49.56E 37–3 3.6L,3.6
CSEM VI 20 02 28 57.8–.31 31.18N 49.72E 2 3.6L,3.6
TEH VI 20 02 29 00.1 31.17N 49.75E 15 3.7L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=61.5km s-min=32.2km az=142.0.
THR Error ellipse: s-maj=4.5km s-min=4.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=3.3km az=16.0.

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ISC I 01 09 51 40.3–1.5 30.76N–.04 57.00E–.04 1–18 28 1-5
CSEM I 01 09 51 40.2–.16 30.75N 56.99E 2 3.2L **¶14543943**
TEH I 01 09 51 44.1 30.84N 56.98E 29 3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=134.0.
ISC I 04 21 25 56.7–.94 30.17N–.07 50.31E–.07 25 3.5b 25 2-48
IDC I 04 21 25 54.2–2.1 30.44N 50.24E 0 3.7,3.6b **¶12080290**
KISR I 04 21 25 56.7–.67 30.20N 50.41E 27–162 2.9L,3.6b
CSEM I 04 21 25 57.2–.25 30.35N 50.33E 2 3.2L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=63.3km s-min=26.3km az=156.0.
KISR Error ellipse: s-maj=41.0km s-min=125.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=3.4km az=128.0.
ISC I 08 08 57 30.1–1.3 31.89N–.04 56.22E–.02 1–10 3.9b,3.2s 136 1-86
IDC I 08 08 57 28.6–2.0 31.63N 56.27E 0 4.3L,4.0 **¶12080722**
CSEM I 08 08 57 30.2–.17 31.85N 56.22E 2 4.3L,4.0
TEH I 08 08 57 30.7 31.77N 56.24E 5 4.3L,4.0
THR I 08 08 57 30.4–.89 31.93N 56.23E 14–11 4.2L,4.0
NEIC I 08 08 57 31.1 31.93N 56.14E 14 4.3,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=45.7km s-min=17.9km az=159.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=165.0.
THR Error ellipse: s-maj=3.8km s-min=9.7km az=-1.0.
NEIC Event type se. After THR.
ISC I 11 11 55 26.6–2.1 33.59N–.04 60.51E–.10 2–13 30 0-5
CSEM I 11 11 55 26.1–.32 33.59N 60.52E 0–1 3.5L **¶14543965**
TEH I 11 11 55 27.3 33.62N 60.50E 4 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.4km az=103.0.
ISC I 12 18 11 41.7–1.1 35.28N–.02 60.07E–.04 12–7 4.2b 137 1-89
IDC I 12 18 11 39.5–.97 35.09N 59.90E 0 4.7L,4.1 **¶12081127**
CSEM I 12 18 11 40.8–.13 35.25N 60.04E 2 4.2b,4.1
TEH I 12 18 11 41.8 35.26N 60.06E 6 4.0L,4.1
BJI I 12 18 11 45.1 35.53N 60.26E 12 4.0b,4.1
MOS I 12 18 11 47.2–1.4 35.62N 60.35E 33 4.2b,4.1
THR I 12 18 11 48.0–.97 34.82N 60.00E 46–6 3.8L,4.1
NNC I 12 18 11 48.2–.96 35.92N 60.29E 0 3.9b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=17.5km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=100.0.
MOS Error ellipse: s-maj=14.7km s-min=7.2km az=71.7.
THR Error ellipse: s-maj=3.5km s-min=6.2km az=-1.0.
NNC Error ellipse: s-maj=12.5km s-min=6.1km az=96.0.
ISC I 13 03 44 59.9–.68 37.30N–.06 56.84E–.03 10 3.5b 50 1-37
IDC I 13 03 44 58.0–2.1 37.09N 56.79E 0 3.7,3.6 **¶12081166**
ISCJB I 13 03 44 58.5–.35 37.32N–.05 56.80E–.04 10 3.5b,3.6
CSEM I 13 03 44 58.4–.26 37.24N 56.82E 2 3.8L,3.6
TEH I 13 03 44 58.9 37.32N 56.83E 5 3.8L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=17.0km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.2km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=13.7km s-min=2.8km az=1.0.
ISC I 20 12 46 06.8–1.2 36.94N–.05 54.87E–.04 14–11 71 0-14
THR I 20 12 46 07.9–.68 36.81N 55.02E 14–6 3.7L **¶12612224**
CSEM I 20 12 46 07.7–.17 36.82N 54.98E 2 3.7L
TEH I 20 12 46 08.1 36.88N 54.96E 4 3.7L
ISC Event type ke.
THR Error ellipse: s-maj=4.9km s-min=3.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=2.6km az=160.0.
ISC I 24 05 50 32.6–.85 32.96N–.03 56.39E–.03 10 56 1-5
ISCJB I 24 05 50 32.3–.39 32.96N–.04 56.44E–.04 10 **¶14358467**
CSEM I 24 05 50 32.1–.17 32.94N 56.40E 2 3.5L
THR I 24 05 50 33.4–.34 32.89N 56.59E 14–5 3.6L
TEH I 24 05 50 33.0 32.91N 56.40E 4 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.4km az=174.8.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=164.0.
THR Error ellipse: s-maj=1.2km s-min=4.2km az=-1.0.
ISC I 24 05 54 51.2–1.4 30.52N–.03 57.39E–.03 9–11 3.6b 71 2-87
IDC I 24 05 54 47.6–2.6 30.21N 57.41E 0 3.7,3.6 **¶12082195**
CSEM I 24 05 54 50.9–.13 30.53N 57.39E 2 4.2L,3.6
TEH I 24 05 54 53.4 30.54N 57.37E 15 4.2L,3.6
THR I 24 05 54 54.7–.90 30.33N 56.92E 15 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=83.6km s-min=25.5km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=139.0.
THR Error ellipse: s-maj=7.4km s-min=4.3km az=-1.0.
ISC I 28 06 42 19.3–1.2 32.01N–.04 50.54E–.03 10–8 3.7b 106 1-85
ISCJB I 28 06 42 17.9–.78 31.94N–.03 50.59E–.03 3–5 3.7b **¶13434053**
IDC I 28 06 42 17.5–1.0 31.90N 50.48E 0 3.9,3.7b
CSEM I 28 06 42 19.4–.19 31.97N 50.58E 2 3.8L,3.7b
TEH I 28 06 42 19.8 31.95N 50.52E 4 3.8L,3.7b
THR I 28 06 42 20.3–1.1 31.96N 50.62E 14–11 3.6L,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.3km az=0.6.
IDC Error ellipse: s-maj=24.3km s-min=18.3km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=172.0.
THR Error ellipse: s-maj=11.8km s-min=6.0km az=-1.0.
ISC I 29 00 08 40.7–1.2 34.02N–.02 59.89E–.05 9–9 3.5b 89 1-84
ISCJB I 29 00 08 39.3–.60 34.05N–.02 59.88E–.05 6–5 3.9s,3.6b **¶13434067**
THR I 29 00 08 39.8–.34 34.18N 59.93E 18–7 3.8L,3.6b
IDC I 29 00 08 39.6–2.4 34.00N 59.77E 0 3.7,3.6
CSEM I 29 00 08 40.7–.18 34.02N 59.87E 2 3.8L,3.6
TEH I 29 00 08 41.6 33.99N 60.00E 12 3.8L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=11.4.
THR Error ellipse: s-maj=3.9km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=48.7km s-min=20.7km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.6km az=89.0.
ISC I 29 04 15 04.7–.92 30.76N–.04 50.35E–.04 10 3.6b 66 2-48
IDC I 29 04 15 03.1–2.2 30.94N 50.10E 0 3.5b,3.5 **¶12082638**
THR I 29 04 15 04.9–.52 30.70N 50.37E 14–11 3.5L,3.5
ISCJB I 29 04 15 05.1–.39 30.82N–.04 50.33E–.04 10 3.5b,3.5
CSEM I 29 04 15 05.2–.15 30.78N 50.35E 2 3.5L,3.5
TEH I 29 04 15 05.2 30.70N 50.26E 6 3.8L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=54.8km s-min=26.3km az=155.0.
THR Error ellipse: s-maj=4.3km s-min=9.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.7km az=142.3.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=150.0.
ISC II 05 18 53 49.0–1.4 34.11N–.03 59.97E–.04 5–13 54 1-8
THR II 05 18 53 49.5–.35 34.17N 60.02E 18–4 3.7L **¶14358828**
CSEM II 05 18 53 50.9–.18 34.01N 59.92E 2 3.9L
TEH II 05 18 53 51.4 34.01N 60.04E 7 3.9L
ISC Event type ke.
THR Error ellipse: s-maj=8.9km s-min=3.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=92.0.
ISC II 06 15 07 01.2–1.4 35.67N–.03 58.51E–.03 20–5 3.7b 98 1-92
IDC II 06 15 06 57.8–1.0 35.48N 58.39E 0 4.0L,3.8 **¶12699677**
CSEM II 06 15 07 00.4–.13 35.68N 58.52E 10 4.0L,3.8
TEH II 06 15 07 01.2 35.63N 58.48E 3 4.0L,3.8
THR II 06 15 07 02.5–.63 35.61N 58.40E 38–8 4.0L,3.8
NNC II 06 15 07 03.6–1.6 35.96N 59.23E 0 3.5b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=17.4km az=8.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=128.0.
THR Error ellipse: s-maj=5.0km s-min=6.1km az=-1.0.
NNC Error ellipse: s-maj=14.9km s-min=11.9km az=97.0.
ISC II 08 04 53 24.9–2.1 31.49N–.05 57.10E–.03 6–18 43 1-6
CSEM II 08 04 53 25.0–.33 31.43N 57.09E 2 3.5L **¶14544017**
TEH II 08 04 53 27.0 31.57N 57.04E 4 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=6.0km az=152.0.
ISC II 08 22 11 48.4–.79 33.52N–.03 56.30E–.02 10 77 1-6
THR II 08 22 11 48.1–.36 33.54N 56.28E 6–5 3.7L **¶14358916**
CSEM II 08 22 11 48.9–.13 33.52N 56.29E 2 3.8L
ISCJB II 08 22 11 49.0–.36 33.54N–.05 56.30E–.03 10 3.8L
TEH II 08 22 11 49.6 33.49N 56.30E 6 3.8L
ISC Event type ke.
THR Error ellipse: s-maj=2.9km s-min=2.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.8km az=173.1.
ISC II 09 16 16 11.1–.59 30.61N–.03 51.17E–.04 19 3.5b 97 2-94
IDC II 09 16 16 07.5–1.1 30.47N 51.10E 0 3.8,3.7L **¶12699855**
THR II 09 16 16 09.3–.44 30.57N 51.16E 15 3.8L,3.7L
ISCJB II 09 16 16 10.2–.35 30.64N–.04 51.11E–.04 19 3.6b,3.7L
CSEM II 09 16 16 11.2–.14 30.62N 51.15E 15 3.7L,3.7L
TEH II 09 16 16 12.9 30.53N 51.09E 36 3.7L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=15.6km az=179.0.
THR Error ellipse: s-maj=5.9km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=174.4.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=1.0.
ISC II 10 16 21 18.1–1.7 31.66N–.04 51.14E–.03 11–12 3.6b 57 1-49
THR II 10 16 21 16.8–1.1 31.53N 51.15E 14–8 3.5L **¶12699918**
TEH II 10 16 21 17.7 31.60N 51.09E 5 3.6L
IDC II 10 16 21 17.7–2.3 31.83N 50.85E 0 3.6,3.6b
CSEM II 10 16 21 18.4–.23 31.68N 51.16E 2 3.6L,3.6b
ISC Event type ke.
THR Error ellipse: s-maj=15.2km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=48.6km s-min=30.0km az=161.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.4km az=126.0.
ISC II 12 07 25 18.4–1.4 31.77N–.06 56.20E–.03 4–13 26 1-3
TEH II 12 07 25 18.8 31.76N 56.22E 3 3.5L **¶14544026**
CSEM II 12 07 25 18.2–.19 31.76N 56.23E 2 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=168.0.
ISC II 12 12 42 40.9–.84 30.73N–.04 50.51E–.04 10 3.7b 57 2-79
IDC II 12 12 42 40.8–2.2 31.15N 50.31E 0 3.8,3.8 **¶12700264**
THR II 12 12 42 40.6–.56 30.66N 50.52E 15 3.6L,3.8
ISCJB II 12 12 42 41.4–.42 30.76N–.04 50.48E–.05 10 3.7b,3.8
CSEM II 12 12 42 41.5–.12 30.72N 50.50E 2 3.7L,3.8
TEH II 12 12 42 43.5 30.76N 50.56E 9 3.7L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=57.1km s-min=26.6km az=155.0.
THR Error ellipse: s-maj=3.9km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.8km az=24.5.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=122.0.
ISC II 12 20 03 42.2–1.2 30.11N–.07 50.70E–.06 22 3.2b 19 3-87
IDC II 12 20 03 35.8–3.9 29.94N 50.73E 0 3.5,3.4 **¶12700373**
ISCJB II 12 20 03 40.4–.69 30.17N–.09 50.71E–.07 22 3.2b,3.4
KISR II 12 20 03 41.0–.94 29.97N 50.30E 34–106 2.9L,3.4
CSEM II 12 20 03 43.5–.53 29.96N 50.66E 20 2.9L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=157.0km s-min=27.8km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=5.9km az=149.6.
KISR Error ellipse: s-maj=65.3km s-min=214.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=15.7km s-min=12.6km az=155.0.
ISC II 15 21 22 19.9–.75 30.99N–.03 57.12E–.02 16–4 4.7b,3.8s 549 1-91
IDC II 15 21 22 16.9–.46 30.93N 57.13E 0 4.5,4.5 **¶11677942**
CSEM II 15 21 22 18.5–.11 31.07N 57.11E 2 4.8b,4.6s
ISCJB II 15 21 22 19.3–.68 31.02N–.02 57.07E–.02 21–5 4.6b,3.8s
THR II 15 21 22 19.2–.38 31.06N 57.00E 18–3 4.6L,3.8s
MOS II 15 21 22 20.9–1.3 30.95N 57.16E 33 4.9b,3.8s
TEH II 15 21 22 20.0 31.09N 57.03E 2 4.9L,3.8s
NEIC II 15 21 22 22.0 31.07N 57.07E 18 4.9b,4.9
BJI II 15 21 22 23.7 31.25N 56.89E 73 5.0b,4.7b
SZGRF II 15 21 22 23.5 31.17N 56.48E 12 4.8b,4.7b
OMAN II 15 21 22 24.8–10 30.89N 57.19E 49–0 4.8b,4.7b
DJA II 15 21 22 30 30.82N 57.23E 95 4.5b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=10.3km az=11.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=142.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=29.7.
THR Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0.
MOS Error ellipse: s-maj=6.6km s-min=4.5km az=114.6.
NEIC Event type fe. Felt [II] at Kerman. Also felt at Bardsir and Zarand. After TEH.
SZGRF Northern and central Iran.
OMAN Error ellipse: s-maj=3.6km s-min=1.5km az=239.0.
ISC II 18 09 12 32.5–.42 30.58N–.04 50.35E–.03 25 4.1b,3.6s 158 2-86
OMAN II 18 09 12 04.5–99 32.12N 48.97E 5 4.1b,3.6s **¶12701119**
BJI II 18 09 12 28.7 31.03N 49.76E 16 4.8b,4.4b
IDC II 18 09 12 28.8–.73 30.62N 50.35E 0 4.0,4.0
ISCJB II 18 09 12 30.9–.26 30.50N–.03 50.36E–.04 25 4.1b,3.6s
THR II 18 09 12 31.3–1.4 30.63N 50.37E 18–9 4.2L,3.6s
MOS II 18 09 12 31.4–1.4 30.46N 50.35E 33 4.3b,3.6s
TEH II 18 09 12 34.6 30.72N 50.45E 13 4.3L,3.6s
CSEM II 18 09 12 35.3–.14 30.63N 50.45E 40 4.9s,4.2b
ISC Event type ke.
OMAN Error ellipse: s-maj=983.5km s-min=28.7km az=334.0.
IDC Error ellipse: s-maj=18.2km s-min=13.1km az=164.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=143.5.
THR Error ellipse: s-maj=7.1km s-min=8.4km az=-1.0.
MOS Error ellipse: s-maj=11.5km s-min=7.4km az=96.5.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=34.0.
ISC II 18 10 45 59.6–.64 30.67N–.04 50.45E–.04 10 3.8b 60 2-86
IDC II 18 10 45 57.7–1.5 30.74N 50.32E 0 3.8,3.8b **¶12701127**
ISCJB II 18 10 45 59.3–.46 30.77N–.04 50.30E–.05 10 3.7b,3.8b
THR II 18 10 46 01.6–.66 30.61N 50.38E 39–7 3.7L,3.8b
CSEM II 18 10 46 03.4–.22 30.70N 50.48E 20 3.9L,3.8b
TEH II 18 10 46 06.6 30.84N 50.70E 20 3.9L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=35.2km s-min=19.1km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.7km az=39.9.
THR Error ellipse: s-maj=4.5km s-min=7.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.5km az=138.0.
TEH II 21 23 43 24.6 30.11N 57.24E 2 3.5L
CSEM II 21 23 43 23.2–.45 30.24N 57.38E 2 3.5L **¶14544035**
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=8.6km az=141.0.
ISC II 23 19 28 31.1–1.3 36.45N–.03 57.96E–.03 4–9 3.5b,3.0s 110 1-91
ISCJB II 23 19 28 29.8–.56 36.48N–.03 57.94E–.03 4–5 3.5b,3.0s **¶12701665**
IDC II 23 19 28 30.2–1.1 36.50N 57.66E 0 3.8,3.7
CSEM II 23 19 28 30.9–.09 36.48N 57.96E 2 3.8L,3.7
THR II 23 19 28 31.5–.40 36.45N 57.89E 14–7 3.7L,3.7
TEH II 23 19 28 32.1 36.46N 57.95E 3 3.8L,3.7
NNC II 23 19 28 38.4–7.1 37.22N 57.65E 0 3.6b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=8.6.
IDC Error ellipse: s-maj=23.9km s-min=15.4km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=172.0.
THR Error ellipse: s-maj=3.3km s-min=5.2km az=-1.0.
NNC Error ellipse: s-maj=100.9km s-min=30.2km az=63.0.

ISC II 24 00 40 06.8–1.1 36.49N–.03 57.94E–.03 9–8 3.3b,3.0s 108 1-81
CSEM II 24 00 40 06.4–.11 36.49N 57.96E 2 3.9L,3.0s ¶12701690
THR II 24 00 40 06.6–.28 36.50N 57.82E 15 3.7L,3.0s
ISCJB II 24 00 40 06.2–.53 36.48N–.03 57.97E–.03 11–5 3.4b,3.0s
TEH II 24 00 40 07.9 36.45N 57.97E 5 3.9L,3.0s
IDC II 24 00 40 08.3–1.7 36.60N 57.77E 0 3.8,3.7
NNC II 24 00 40 12.6–8.0 37.05N 58.38E 0 3.6b,3.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=164.0.
THR Error ellipse: s-maj=1.5km s-min=2.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=170.6.
IDC Error ellipse: s-maj=29.1km s-min=13.6km az=172.0.
NNC Error ellipse: s-maj=91.0km s-min=35.1km az=45.0.
THR II 27 14 31 25.2–.34 35.06N 58.80E 14–5 3.5L
CSEM II 27 14 31 25.2 35.06N 58.80E 14 3.5L ¶14359553
THR Error ellipse: s-maj=2.4km s-min=2.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
ISC II 28 07 22 37.2–1.4 36.31N–.04 53.85E–.03 0–12 65 0-5
THR II 28 07 22 37.6–1.1 36.28N 53.88E 15 3.5L ¶14359577
TEH II 28 07 22 37.3 36.33N 53.88E 4 3.5L
CSEM II 28 07 22 37.3–.32 36.30N 53.80E 2 3.5L
ISC Event type ke.
THR Error ellipse: s-maj=10.1km s-min=8.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.2km az=168.0.
ISC III 02 01 04 40.3–.56 30.63N–.04 57.39E–.04 15 3.6b 90 2-89
ISCJB III 02 01 04 38.9–.30 30.60N–.02 57.40E–.04 15 3.6b ¶12702223
CSEM III 02 01 04 39.6–.12 30.62N 57.38E 2 4.0s
TEH III 02 01 04 41.1 30.62N 57.34E 4 4.4L
IDC III 02 01 04 42.5–3.9 30.48N 57.38E 39–38 3.6,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=3.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=94.0.
IDC Error ellipse: s-maj=21.9km s-min=16.3km az=162.0.
ISC III 05 22 01 44.7–1.1 34.22N–.02 51.15E–.02 3–8 3.6b,2.9s 149 1-83
THR III 05 22 01 44.7–.35 34.23N 51.17E 18 4.2L,2.9s ¶12054478
TEH III 05 22 01 45.4 34.20N 51.12E 6 4.2L,2.9s
CSEM III 05 22 01 45.3–.17 34.27N 51.18E 2 4.2L,2.9s
IDC III 05 22 01 49.2–3.4 34.17N 51.05E 35–30 3.7,3.7L
ISC Event type ke.
THR Error ellipse: s-maj=0.9km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=163.0.
IDC Error ellipse: s-maj=21.5km s-min=14.3km az=4.0.
ISC III 06 06 03 56.8–1.3 32.04N–.03 50.70E–.03 15–9 3.7b 81 1-85
ISCJB III 06 06 03 54.9–.81 32.04N–.03 50.67E–.03 4–6 3.6b ¶12702544
IDC III 06 06 03 54.0–2.2 31.94N 50.52E 0 3.9L,3.8
CSEM III 06 06 03 55.8–.18 32.03N 50.69E 2 3.6L,3.8
THR III 06 06 03 56.0–1.3 31.93N 50.69E 16–10 3.6L,3.8
TEH III 06 06 03 56.4 31.99N 50.64E 6 3.6L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.9km az=153.0.
IDC Error ellipse: s-maj=47.6km s-min=27.5km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=140.0.
THR Error ellipse: s-maj=5.7km s-min=6.1km az=-1.0.
ISC III 07 06 47 09.8–.67 30.81N–.03 56.77E–.03 17–4 4.0b 260 1-92
TEH III 07 06 47 06.5 30.86N 56.73E 8 4.3L ¶12702621
IDC III 07 06 47 06.7–.69 30.67N 56.83E 0 4.1,4.1
THR III 07 06 47 07.6–.75 30.78N 56.79E 8 4.1L,4.1
NEIC III 07 06 47 07.4 30.79N 56.77E 6 4.3,4.1b
ISCJB III 07 06 47 08.6–.72 30.80N–.02 56.75E–.03 20–6 4.3s,4.0b
CSEM III 07 06 47 08.0–.12 30.83N 56.78E 2 4.2b,4.0b
MOS III 07 06 47 09.9–1.1 30.63N 56.78E 33 4.1b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=12.9km az=175.0.
THR Error ellipse: s-maj=1.9km s-min=5.9km az=-1.0.
NEIC Event type se. After THR.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.2km az=108.0.
MOS Error ellipse: s-maj=10.9km s-min=7.4km az=100.2.
ISC III 08 10 48 59.7–1.0 30.84N–.05 56.88E–.04 10 33 1-4
ISCJB III 08 10 48 59.6–.64 30.80N–.06 56.81E–.04 10 ¶14544155
CSEM III 08 10 48 59.5–.35 30.79N 56.87E 2 3.6L
TEH III 08 10 49 00.7 30.88N 56.90E 5 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.0km az=176.5.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=6.9km az=163.0.
ISC III 19 13 48 33.9–.90 36.39N–.04 51.63E–.02 13 64 1-6
ISCJB III 19 13 48 34.6–.45 36.31N–.03 51.64E–.03 13 ¶14544329
TEH III 19 13 48 34.8 36.39N 51.63E 2 3.5L
CSEM III 19 13 48 34.2–.17 36.36N 51.63E 2 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=173.8.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=178.0.
ISC III 22 10 02 30.6–1.1 35.19N–.03 51.62E–.02 6–12 47 0-5
CSEM III 22 10 02 30.2–.16 35.18N 51.63E 2 3.5L ¶14544372
TEH III 22 10 02 31.8 35.25N 51.62E 15 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=103.0.
ISC III 30 02 03 03.2–1.3 30.42N–.06 50.51E–.05 50–15 3.7b 34 2-75
ISCJB III 30 02 03 01.9–.65 30.42N–.07 50.52E–.06 57–9 3.5b ¶12635902
CSEM III 30 02 03 01.5–.15 30.41N 50.53E 20 3.3L
IDC III 30 02 03 08.6–7.8 30.71N 50.32E 85–70 3.3,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.6km az=153.7.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=156.0.
IDC Error ellipse: s-maj=39.6km s-min=20.2km az=161.0.
ISC III 31 23 11 17.2–1.4 30.59N–.07 50.51E–.06 47–19 3.4b 24 2-71
IDC III 31 23 11 10.3–2.6 30.31N 50.59E 0 3.5b,3.4 ¶12636057
KISR III 31 23 11 13.2–.70 30.70N 50.49E 34–231 2.9L,3.4
ISCJB III 31 23 11 15.3–.79 30.55N–.07 50.56E–.07 45–13 3.5b,3.1s
CSEM III 31 23 11 16.1–.19 30.59N 50.53E 30 2.9L,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=87.3km s-min=27.8km az=156.0.
KISR Error ellipse: s-maj=15.8km s-min=29.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=6.5km az=144.8.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=3.8km az=141.0.
ISC IV 02 13 19 36.7–1.5 36.95N–.07 54.33E–.04 4–12 59 1-14
THR IV 02 13 19 36.1–1.0 37.07N 54.35E 15 3.5L ¶14370318
ISCJB IV 02 13 19 37.7–.72 36.73N–.05 54.42E–.05 4–6 3.5L
CSEM IV 02 13 19 38.0–.23 36.84N 54.34E 5 3.6L
TEH IV 02 13 19 39.3 36.78N 54.41E 11 3.6L
ISC Event type ke.
THR Error ellipse: s-maj=7.8km s-min=3.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=3.7km az=148.6.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=4.0km az=154.0.
ISC IV 04 18 59 21.9–.61 31.80N–.05 50.32E–.03 24–4 4.3b,3.5s 373 1-85
BJI IV 04 18 59 12.0 31.70N 49.44E 12 5.0b,4.7b ¶13437934
CSEM IV 04 18 59 19.7–.15 31.73N 50.24E 10 4.3b,3.9s
THR IV 04 18 59 20.2–1.2 31.76N 50.39E 15–10 4.0L,3.9s
NEIC IV 04 18 59 20.1–.33 31.83N 50.24E 10 4.4b,4.1
MOS IV 04 18 59 21.6–1.3 31.81N 50.22E 33 4.4b,4.1
IDC IV 04 18 59 22.9–3.5 31.90N 50.27E 28–24 3.9,3.9
TEH IV 04 18 59 22.3 31.80N 50.28E 11 4.1L,3.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=8.0.
THR Error ellipse: s-maj=6.3km s-min=4.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.1km az=179.0.
MOS Error ellipse: s-maj=7.8km s-min=5.2km az=114.3.
IDC Error ellipse: s-maj=15.6km s-min=12.0km az=167.0.
THR IV 06 19 45 16.8–1.6 35.16N 58.57E 15 3.5L
CSEM IV 06 19 45 16.8 35.16N 58.57E 15 3.5L ¶14370340
THR Error ellipse: s-maj=8.7km s-min=7.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
ISC IV 07 06 00 32.2–1.2 37.25N–.05 56.64E–.02 0–9 3.9b 155 1-80
ISCJB IV 07 06 00 31.0–.68 37.31N–.03 56.66E–.02 1–5 4.8s,3.8b ¶12934743
IDC IV 07 06 00 32.0–1.0 37.22N 56.70E 0 3.9,3.8
CSEM IV 07 06 00 32.5–.09 37.31N 56.65E 2 3.9b,3.8
THR IV 07 06 00 32.6–.41 37.20N 56.43E 6–4 3.7L,3.8
TEH IV 07 06 00 34.2 37.31N 56.65E 11 4.1L,3.8
BJI IV 07 06 00 35.4 37.36N 56.91E 12 4.2b,3.8
MOS IV 07 06 00 35.7–1.5 37.28N 56.82E 33 4.1b,3.8
NNC IV 07 06 00 43.9–3.4 37.96N 57.12E 22–33 4.0b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=175.7.
IDC Error ellipse: s-maj=20.3km s-min=14.2km az=173.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=175.0.
THR Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0.
MOS Error ellipse: s-maj=11.4km s-min=7.7km az=99.6.
NNC Error ellipse: s-maj=30.4km s-min=14.1km az=45.0.
ISC IV 15 07 40 19.5–1.0 30.67N–.03 50.10E–.03 17–6 4.3b 387 2-97
CSEM IV 15 07 40 19.0–.15 30.68N 49.98E 10 4.3b,4.1s ¶13438586
TEH IV 15 07 40 20.6 30.70N 50.07E 6 4.4L,4.1s
THR IV 15 07 40 20.5–.89 30.66N 50.01E 33–13 4.5L,4.1s
MOS IV 15 07 40 20.3–1.1 30.79N 50.05E 33 4.5b,4.1s
NEIC IV 15 07 40 21.5 30.74N 50.07E 10 4.5b,4.5L
BJI IV 15 07 40 22.6 30.90N 50.20E 30 4.9b,4.5L
IDC IV 15 07 40 23.4–2.5 30.82N 50.07E 41–23 4.0L,4.0
OMAN IV 15 07 40 25.7–.11 30.66N 50.50E 107–63 4.0L,4.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=23.0.
THR Error ellipse: s-maj=7.2km s-min=11.5km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=5.5km az=123.0.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=14.6km s-min=10.6km az=157.0.
OMAN Error ellipse: s-maj=19.6km s-min=4.8km az=231.0.
ISC IV 16 03 02 26.3–.64 30.68N–.03 50.03E–.03 18–2 4.2b,4.1s 303 2-86
BJI IV 16 03 02 22.3 30.70N 50.00E 8 4.7b,4.1s ¶12935385
IDC IV 16 03 02 23.4–.88 30.67N 50.04E 0 4.0,3.9
NEIC IV 16 03 02 26.4 30.70N 50.13E 17 4.3b,4.1
THR IV 16 03 02 27.3–.87 30.69N 50.10E 29–7 3.9L,4.1
TEH IV 16 03 02 27.6 30.77N 50.08E 4 4.1L,4.1
MOS IV 16 03 02 27.0–1.3 30.72N 50.16E 33 4.5b,4.1
CSEM IV 16 03 02 28.4–.16 30.78N 50.11E 20 4.3b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=13.5km az=170.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=4.7km s-min=6.5km az=-1.0.
MOS Error ellipse: s-maj=9.9km s-min=6.3km az=110.5.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=176.0.
ISC IV 18 03 24 15.2–.87 31.86N–.06 50.44E–.06 16 4.3b 23 1-85
IDC IV 18 03 24 12.1–8.2 32.15N 51.26E 0 3.9b,3.8 ¶12935579
CSEM IV 18 03 24 15.2–.31 31.82N 50.41E 2 3.1L,3.8
ISCJB IV 18 03 24 16.4–.84 31.66N–.05 50.48E–.10 16 4.0b,3.8
KISR IV 18 03 24 17.3–.72 31.73N 50.18E 34–139 2.9L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=201.9km s-min=76.3km az=18.0.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=5.6km az=125.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=5.1km az=27.6.
KISR Error ellipse: s-maj=24.9km s-min=44.3km az=-1.0.
ISC V 11 02 14 05.8–.47 30.31N–.03 57.58E–.03 18–2 4.1b,3.5s 217 1-91
IDC V 11 02 14 04.4–.80 30.06N 57.59E 20–3 4.0,3.9 ¶13678721
CSEM V 11 02 14 04.8–.16 30.30N 57.55E 10 5.1s,4.3b
MOS V 11 02 14 04.7–1.5 30.02N 57.63E 33 4.4b,4.3b
THR V 11 02 14 05.1–.56 30.29N 57.50E 18–5 4.7L,4.3b
NEIC V 11 02 14 05.0 30.29N 57.51E 17 4.9,4.8L
BJI V 11 02 14 06.3 30.30N 57.60E 9 4.6b,4.3b
TEH V 11 02 14 06.5 30.35N 57.62E 12 4.9L,4.3b
OMAN V 11 02 14 06.3–.03 30.35N 57.81E 49 4.9L,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=12.6km az=164.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=107.0.
MOS Error ellipse: s-maj=11.0km s-min=8.8km az=99.6.
THR Error ellipse: s-maj=1.9km s-min=3.4km az=-1.0.
NEIC Event type se. After THR.
OMAN Error ellipse: s-maj=15.5km s-min=3.3km az=288.0.
ISC V 12 01 37 08.0–.45 32.33N–.03 59.02E–.03 12–2 4.5s,4.4b 258 0-114
BJI V 12 01 37 04.0 32.30N 59.10E 5 5.2b,5.0s ¶12818717
IDC V 12 01 37 05.0–1.2 32.21N 59.11E 0 4.3,4.1
ISCJB V 12 01 37 05.4–.75 32.33N–.03 59.04E–.03 5–4 4.7s,4.3b
THR V 12 01 37 06.3–.88 32.38N 58.99E 15–7 4.5L,4.3b
NEIC V 12 01 37 06.3 32.38N 59.00E 14 4.5b,4.5L
CSEM V 12 01 37 06.1–.24 32.34N 59.10E 2 4.5b,4.5L
TEH V 12 01 37 07.5 32.40N 59.01E 3 4.3L,4.5L
MOS V 12 01 37 08.3–1.6 32.19N 59.17E 33 4.6b,4.5L
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=14.9km az=12.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=163.8.
THR Error ellipse: s-maj=2.8km s-min=4.3km az=-1.0.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.3km az=149.0.
MOS Error ellipse: s-maj=12.2km s-min=7.5km az=125.8.
ISC V 12 06 30 50.5–.61 30.12N–.03 57.63E–.03 10 3.8b 102 1-87
IDC V 12 06 30 47.7–2.0 29.77N 57.81E 0 4.0,3.8 ¶12840122
CSEM V 12 06 30 50.8–.28 30.17N 57.62E 2 3.7L,3.8
ISCJB V 12 06 30 50.8–.54 30.18N–.05 57.61E–.06 10 3.8b,2.8s
NEIC V 12 06 30 51.3 30.19N 57.45E 7 4.3,4.0b
THR V 12 06 30 51.3–.36 30.19N 57.45E 7–5 3.7L,4.0b
TEH V 12 06 30 51.9 30.16N 57.65E 3 4.3L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=46.4km s-min=18.9km az=160.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.1km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.9km az=141.4.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=2.1km s-min=4.0km az=-1.0.
CSEM V 31 11 44 30.6 35.09N 54.83E 15 3.3L
¶16375376
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
ISC VI 07 12 43 31.3–.98 32.86N–.04 56.40E–.03 10 43 1-6
THR VI 07 12 43 32.9–.33 32.82N 56.38E 14–3 3.5L ¶14370682
ISCJB VI 07 12 43 33.2–.44 32.84N–.04 56.30E–.04 10 3.5L
TEH VI 07 12 43 33.9 32.82N 56.33E 3 3.5L
CSEM VI 07 12 43 33.1–.14 32.82N 56.32E 2 3.5L
ISC Event type ke.
THR Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.1km az=139.7.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=143.0.
ISC VI 09 22 55 09.2–.93 35.88N–.02 53.00E–.02 9–7 3.6b 128 0-21
ISCJB VI 09 22 55 08.5–.41 35.92N–.02 53.02E–.02 8–3 3.6b ¶13681008
CSEM VI 09 22 55 09.7–.14 35.87N 53.01E 2 3.7L
AZER VI 09 22 55 09.8 35.52N 52.48E 176 3.7L
TEH VI 09 22 55 10.2 35.89N 53.03E 4 3.7L
NNC VI 09 22 55 13.8–1.5 36.96N 51.35E 0 3.6b
THR VI 09 22 55 15.1–.57 35.77N 52.60E 14–5 3.7L
KISR VI 09 22 55 17.4–.67 34.54N 53.40E 21–999 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=30.4.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=22.0.
NNC Error ellipse: s-maj=57.1km s-min=10.5km az=123.0.
THR Error ellipse: s-maj=3.8km s-min=7.2km az=-1.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VI 20 20 45 37.8–.96 31.5N–.10 50.9E–.10 10 4.0b 27 3-65
IDC VI 20 20 45 37.1–1.1 31.77N 50.86E 0 3.8,3.8 ¶13383523
KISR VI 20 20 45 39.0–.61 31.52N 50.87E 34–53 3.1L,3.8

CSEM VI 20 20 45 40.6–.46 31.88N 51.16E 30 3.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=21.7km az=142.0.
KISR Error ellipse: s-maj=15.3km s-min=32.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=21.7km s-min=5.2km az=122.0.
ISC VI 26 15 49 47.4–.78 31.07N–.04 56.85E–.03 15–5 3.6b,3.0s 100 1-92
IDC VI 26 15 49 43.9–1.1 30.84N 56.87E 0 3.8,3.7 **¶13682068**
THR VI 26 15 49 46.4–.38 31.14N 56.84E 15–3 4.2L,3.7
CSEM VI 26 15 49 46.5–.23 31.12N 56.80E 2 4.3L,3.7
TEH VI 26 15 49 47.3 31.14N 56.83E 5 4.3L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=28.1km s-min=17.9km az=170.0.
THR Error ellipse: s-maj=1.4km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=144.0.

(349) Northwestern Afghanistan.

TEH VI 25 10 07 52.2 34.66N 61.07E 4 3.5L
CSEM VI 25 10 07 52.2 34.66N 61.07E 4 3.5L **¶14544643**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.

(351) Eastern Arabian Peninsula.

OMAN III 22 08 03 26.9–5.3 23.54N 58.11E 16–41
CSEM III 22 08 03 27.0 23.54N 58.11E 16 **¶14930345**
OMAN Error ellipse: s-maj=12.1km s-min=5.8km az=171.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OMAN.
ISC VI 08 18 13 58.7–.96 25.88N–.03 56.39E–.07 11–5 3.8b 111 0-90
IDC VI 08 18 13 56.0–.94 25.75N 56.34E 0 3.9,3.8b **¶13680916**
ISCJB VI 08 18 13 57.9–.65 25.92N–.03 56.43E–.06 13–4 3.7b,3.4s
THR VI 08 18 13 57.6–.53 25.83N 56.36E 16–4 3.7L,3.4s
OMAN VI 08 18 13 57.4–1.1 25.95N 56.53E 5 3.7L,3.4s
NEIC VI 08 18 13 57.9–.79 25.76N 56.44E 10 3.9b,3.8
CSEM VI 08 18 13 58.6–.18 25.88N 56.35E 10 3.9L,3.8
TEH VI 08 18 14 02.1 26.11N 56.19E 28 3.9L,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=22.9km s-min=21.4km az=34.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.4km az=4.0.
THR Error ellipse: s-maj=3.8km s-min=5.6km az=-1.0.
OMAN Error ellipse: s-maj=2.3km s-min=0.7km az=17.0.
NEIC Event type fe. Error ellipse: s-maj=14.6km s-min=11.6km az=6.0. Felt at Al Fujayrah and Ra's al Khaymah, United Arab Emirates.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=88.0.
IDC VI 30 14 17 06.3–1.6 15.19N 52.43E 0 3.9,3.7b
¶16101894
IDC Error ellipse: s-maj=42.1km s-min=25.2km az=46.0.

(353) Southern Iran.

CSEM I 01 00 43 06.4–2.6 26.27N 55.84E 15 3.6L
OMAN I 01 00 43 07.0–99 26.20N 55.81E 10 3.6L **¶14882757**
CSEM Event type ke. Error ellipse: s-maj=73.4km s-min=3.9km az=174.0.
OMAN Error ellipse: s-maj=98.9km s-min=7.0km az=349.0.
ISC I 03 01 42 20.0–.97 27.7N–.10 52.51E–.08 14 3.6b 19 1-58
IDC I 03 01 42 17.3–1.7 27.60N 52.51E 0 3.7b,3.7 **¶12079865**
CSEM I 03 01 42 18.2 27.66N 52.45E 16 3.2L,3.7
ISCJB I 03 01 42 18.1–.89 27.7N–.10 52.45E–.08 14 3.6b,3.7
ISC Event type ke.
CSEM Event type ke. After THR.
ISCJB Event type ke.
IDC I 03 09 32 49.9–2.3 25.30N 60.59E 0 3.7,3.7
¶12079888
IDC Error ellipse: s-maj=54.4km s-min=24.2km az=154.0.
ISC I 05 02 23 21.6–1.5 26.55N–.04 54.98E–.06 15–11 3.8b 73 1-91
OMAN I 05 02 23 16.8–99 27.28N 54.69E 35–702 3.8b **¶12080322**
THR I 05 02 23 20.8–.31 26.53N 54.94E 16–8 3.7L
IDC I 05 02 23 20.5–.95 26.74N 54.93E 0 3.9,3.8L
TEH I 05 02 23 20.6 26.64N 54.96E 16 3.7L,3.8L
CSEM I 05 02 23 23.2–.12 26.66N 55.00E 10 3.9L,3.8L
ISC Event type ke.
OMAN Error ellipse: s-maj=95.3km s-min=18.8km az=329.0.
THR Error ellipse: s-maj=9.5km s-min=7.1km az=-1.0.
IDC Error ellipse: s-maj=23.8km s-min=16.0km az=148.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=76.0.
ISC I 10 11 17 20.5–5.0 27.0N–.30 56.1E–.30 14 12 1-4
CSEM I 10 11 17 18.7–.63 27.03N 56.04E 2 3.5L **¶14882761**
OMAN I 10 11 17 32.6–99 26.02N 55.87E 2–15 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=22.7km s-min=8.3km az=57.0.
OMAN Error ellipse: s-maj=26.8km s-min=5.0km az=318.0.
ISC I 10 17 16 04.3–.92 26.7N–.10 55.02E–.08 17 3.3b 24 1-52
ISCJB I 10 17 16 02.5–.56 26.77N–.07 54.95E–.07 17 3.5b **¶12080968**
IDC I 10 17 16 02.7–3.0 26.80N 55.01E 0 3.6,3.6
CSEM I 10 17 16 03.1–.19 26.76N 55.12E 10 3.4L,3.6
KISR I 10 17 16 04.0–.32 27.30N 54.69E 34 3.1L,3.6
OMAN I 10 17 16 06.6–99 26.70N 55.20E 60–999 3.1L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.1km az=37.9.
IDC Error ellipse: s-maj=80.4km s-min=28.0km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=2.6km az=41.0.
KISR Error ellipse: s-maj=17.9km s-min=9.8km az=-1.0.
OMAN Error ellipse: s-maj=106.6km s-min=18.9km az=335.0.
ISC I 14 01 16 11.8–1.2 28.19N–.09 57.5E–.20 30 3.6b 15 2-54
IDC I 14 01 16 05.7–3.4 27.92N 57.49E 0 3.6,3.6 **¶12081238**
ISCJB I 14 01 16 10.5–1.1 28.29N–.08 57.5E–.20 30 3.5b,3.6
CSEM I 14 01 16 18.5–2.9 27.80N 57.48E 30 3.3b,3.6
OMAN I 14 01 16 38.2–.77 26.20N 57.08E 0–2 3.3b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=85.0km s-min=35.0km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=26.9km s-min=11.3km az=8.7.
CSEM Event type ke. Error ellipse: s-maj=76.8km s-min=50.8km az=171.0.
OMAN Error ellipse: s-maj=20.4km s-min=6.7km az=5.0.
ISC I 14 01 47 07.5–.68 28.15N–.04 57.46E–.06 10 3.7b 41 1-89
IDC I 14 01 47 03.7–1.4 28.08N 57.35E 0 3.9,3.8 **¶12081239**
ISCJB I 14 01 47 05.5–.42 28.24N–.03 57.58E–.05 10 3.6b,3.8
TEH I 14 01 47 05.2 28.04N 57.82E 12 3.5L,3.8
CSEM I 14 01 47 08.3–.27 28.15N 57.42E 5 3.5L,3.8
OMAN I 14 01 47 33.4–.67 26.30N 56.93E 0–2 3.5L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=20.2km az=171.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=2.0.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.1km az=84.0.
OMAN Error ellipse: s-maj=19.0km s-min=6.7km az=349.0.
ISC I 14 13 13 53.1–1.1 27.8N–.10 56.19E–.09 16 3.7b 17 2-90
IDC I 14 13 13 50.8–1.7 27.73N 56.23E 0 3.9,3.8b **¶12081270**
CSEM I 14 13 13 54.5 27.92N 56.24E 14 3.2L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=20.8km az=162.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
IDC I 21 00 17 02.2–2.7 26.59N 53.19E 0 3.4,3.4
¶12081915
IDC Error ellipse: s-maj=75.3km s-min=26.9km az=156.0.
ISC I 21 14 26 23.4–.74 27.65N–.06 57.58E–.07 30 3.8b 41 1-90
OMAN I 21 14 26 13.7–6.9 27.90N 58.00E 0 3.8b **¶12081976**
ISCJB I 21 14 26 21.2–.36 27.53N–.03 57.79E–.05 30 3.8b,3.2s
CSEM I 21 14 26 23.5–.20 27.46N 57.62E 20 4.1s,3.2s
TEH I 21 14 26 24.6 27.84N 57.43E 11 3.8L,3.2s
IDC I 21 14 26 24.2–.93 27.47N 57.66E 55–5 3.6,3.5
THR I 21 14 26 30.6–.34 27.88N 56.94E 24–9 3.6L,3.5
ISC Event type ke.
OMAN Error ellipse: s-maj=75.7km s-min=12.6km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=0.8.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.8km az=85.0.
IDC Error ellipse: s-maj=21.1km s-min=16.7km az=162.0.
THR Error ellipse: s-maj=7.6km s-min=2.7km az=-1.0.
ISC I 25 11 22 04.3–1.4 26.92N–.03 55.95E–.04 7–8 4.0b 145 1-91
IDC I 25 11 22 02.8–.80 26.89N 56.03E 0 4.0,3.8 **¶11617544**
TEH I 25 11 22 03.7 26.94N 55.96E 10 3.8L,3.8
NEIC I 25 11 22 04.0–2.9 26.86N 56.15E 7–16 4.1b,3.7L
CSEM I 25 11 22 06.6–.16 26.99N 56.05E 20 4.2b,3.7L
MOS I 25 11 22 06.2–1.2 26.90N 56.09E 33 4.4b,3.7L
OMAN I 25 11 22 07.2–4.2 26.96N 55.99E 55–57 4.4b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=18.2km az=135.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.7km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.5km az=92.0.
MOS Error ellipse: s-maj=13.2km s-min=7.7km az=86.1.
OMAN Error ellipse: s-maj=48.8km s-min=27.1km az=165.0.
ISC I 29 15 55 42.1–1.3 28.73N–.04 57.81E–.07 10 56 2-9
OMAN I 29 15 55 28.0–99 29.79N 58.43E 16–999 **¶14358621**
ISCJB I 29 15 55 41.4–.51 28.67N–.03 57.85E–.06 10
THR I 29 15 55 41.7–.70 28.74N 57.68E 14–8 3.7L
CSEM I 29 15 55 42.0–.33 28.70N 57.81E 2 3.7L
TEH I 29 15 55 43.5 28.66N 57.88E 10 3.7L
ISC Event type ke.
OMAN Error ellipse: s-maj=392.1km s-min=45.6km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.6km az=7.8.
THR Error ellipse: s-maj=4.8km s-min=15.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=6.2km az=87.0.
ISC I 29 23 50 33.8–1.1 29.4N–.10 51.9E–.10 10 3.5b 8 1-49
ISCJB I 29 23 50 31.8–.92 29.33N–.10 51.9E–.10 10 3.5b **¶12082700**
IDC I 29 23 50 31.8–2.7 29.29N 51.95E 0 3.5b,3.5
CSEM I 29 23 50 32.3 29.38N 51.82E 18 3.0L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=10.7km az=44.4.
IDC Error ellipse: s-maj=62.7km s-min=32.6km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
IDC I 30 14 25 42.8–2.2 29.22N 52.75E 0 3.7,3.6
¶12082744
IDC Error ellipse: s-maj=54.0km s-min=23.4km az=154.0.
ISC II 01 22 52 05.7–3.9 27.9N–.20 52.6E–.20 41–46 3.5b 28 4-89
IDC II 01 22 52 00.8–3.3 28.04N 52.49E 0 3.7,3.5 **¶12699369**
ISCJB II 01 22 52 04.5–2.0 27.8N–.10 52.6E–.10 49–24 3.5b,3.5
CSEM II 01 22 52 05.2–.92 27.71N 52.59E 15 4.2L,3.5
OMAN II 01 22 52 06.8–2.2 27.87N 52.82E 147–67 4.2L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=94.5km s-min=35.1km az=146.0.
ISCJB Event type ke. Error ellipse: s-maj=26.4km s-min=16.0km az=29.0.
CSEM Event type ke. Error ellipse: s-maj=30.6km s-min=17.6km az=24.0.
OMAN Error ellipse: s-maj=55.2km s-min=27.3km az=61.0.
ISC II 03 16 40 24.7–4.3 26.3N–.30 58.6E–.20 10 20 2-4
OMAN II 03 16 40 23.7–99 26.25N 58.59E 0–285 **¶14930305**
CSEM II 03 16 40 24.8–3.9 26.26N 58.60E 10 3.8L
ISC Event type ke.
OMAN Error ellipse: s-maj=39.9km s-min=13.3km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=98.0km s-min=19.8km az=37.0.
CSEM II 05 21 05 44.1–.76 26.99N 56.07E 2 3.7L
OMAN II 05 21 05 45.8–.01 26.91N 56.10E 6–44 3.7L **¶14930307**
CSEM Event type ke. Error ellipse: s-maj=28.7km s-min=9.0km az=57.0.
OMAN Error ellipse: s-maj=37.3km s-min=10.7km az=258.0.
ISC II 07 14 13 09.2–1.1 27.74N–.08 57.81E–.07 10 3.6b 35 1-54
ISCJB II 07 14 13 07.1–.81 27.89N–.06 57.89E–.08 10 3.6b **¶12699732**
IDC II 07 14 13 07.3–2.3 27.90N 57.75E 0 3.7,3.6
TEH II 07 14 13 15.5 27.84N 57.82E 26 3.6L,3.6
CSEM II 07 14 13 18.7–.85 28.18N 57.23E 2 3.6L,3.6
THR II 07 14 13 18.6–.42 28.14N 57.26E 14–5 3.6L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=5.8km az=35.8.
IDC Error ellipse: s-maj=50.9km s-min=19.6km az=155.0.
CSEM Event type ke. Error ellipse: s-maj=23.2km s-min=12.1km az=129.0.
THR Error ellipse: s-maj=2.8km s-min=3.5km az=-1.0.
ISC II 09 10 34 39.7–1.0 29.41N–.04 52.86E–.03 9–7 3.6b 109 0-88
MOS II 09 10 34 38.7–1.1 28.96N 52.70E 33 3.9b **¶12699835**
ISCJB II 09 10 34 39.3–.56 29.40N–.04 52.83E–.03 15–3 3.6b,3.0s
IDC II 09 10 34 40.1–3.6 29.67N 52.77E 0 4.1L,3.8
TEH II 09 10 34 40.0 29.36N 52.84E 4 3.8L,3.8
CSEM II 09 10 34 40.0–.22 29.42N 52.83E 5 3.8b,3.8
THR II 09 10 34 41.5–.38 29.34N 52.69E 42–9 3.8L,3.8
ISC Event type ke.
MOS Error ellipse: s-maj=18.6km s-min=13.2km az=108.5.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=18.8.
IDC Error ellipse: s-maj=73.0km s-min=19.4km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.7km az=8.0.
THR Error ellipse: s-maj=5.6km s-min=8.7km az=-1.0.
IDC II 11 08 10 19.4–2.9 27.54N 57.47E 0 3.5,3.5
¶15955412
IDC Error ellipse: s-maj=78.1km s-min=30.6km az=157.0.
ISC II 12 11 08 53.9–1.9 26.7N–.20 55.6E–.20 10 18 1-8
CSEM II 12 11 08 50.7–.27 27.04N 56.09E 2 3.6L **¶14930312**
ISCJB II 12 11 08 53.5–1.5 26.7N–.30 55.5E–.20 10 3.6L
OMAN II 12 11 08 53.2–.10 26.92N 56.17E 8–1 3.6L
KISR II 12 11 08 56.2–.74 27.51N 55.45E 13–999 3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.5km s-min=2.3km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=46.7km s-min=5.0km az=32.8.
OMAN Error ellipse: s-maj=33.2km s-min=10.5km az=264.0.
KISR Error ellipse: s-maj=767.1km s-min=999.9km az=-1.0.
ISC II 13 16 07 36.0–1.7 26.94N–.03 55.95E–.06 11–11 3.8b 83 1-91
IDC II 13 16 07 33.4–.81 26.90N 55.94E 0 4.0,3.9 **¶13434591**
TEH II 13 16 07 34.9 26.93N 55.93E 13 3.6L,3.9
CSEM II 13 16 07 36.2–.12 26.92N 55.90E 2 3.6L,3.9
OMAN II 13 16 07 36.4–.07 26.92N 56.11E 2–3 3.6L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=18.1km az=166.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=82.0.
OMAN Error ellipse: s-maj=28.2km s-min=3.9km az=258.0.
ISC II 15 18 36 22.8–5.2 26.4N–.30 58.8E–.30 10 10 2-4
CSEM II 15 18 36 22.8–5.0 26.41N 58.77E 10 4.2L **¶14930318**
OMAN II 15 18 36 24.1–.71 26.35N 58.69E 15 4.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=147.3km s-min=30.3km az=35.0.
OMAN Error ellipse: s-maj=1.9km s-min=0.4km az=43.0.
IDC II 17 19 03 19.5–2.1 26.43N 55.11E 0 3.7,3.6
¶15956437
IDC Error ellipse: s-maj=50.3km s-min=21.8km az=146.0.
ISC II 22 20 54 00.3–.76 27.98N–.03 55.33E–.03 15–5 4.4b 290 1-91
OMAN II 22 20 53 45.6–99 29.44N 55.33E 126–24 4.4b **¶12088199**
KISR II 22 20 53 58.9–.60 27.61N 55.15E 15–999 4.3L
IDC II 22 20 53 58.3–.53 28.08N 55.51E 0 4.3,4.3
TEH II 22 20 53 59.2 27.98N 55.22E 8 4.2L,4.3
CSEM II 22 20 54 00.6–.12 28.14N 55.41E 10 4.6b,4.3
NEIC II 22 20 54 01.6–3.0 28.09N 55.47E 22–21 4.5b,4.3
THR II 22 20 54 01.3–.76 28.07N 55.52E 14–10 4.2L,4.3
BJI II 22 20 54 02.1 28.10N 55.40E 45 5.0b,4.3b
ISC Event type ke.
OMAN Error ellipse: s-maj=230.7km s-min=8.4km az=354.0.
KISR Error ellipse: s-maj=769.0km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=13.6km s-min=11.3km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=38.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.3km az=161.0.
THR Error ellipse: s-maj=6.4km s-min=7.7km az=-1.0.
ISC II 22 22 15 13.6–1.6 28.0N–.10 55.42E–.09 26 3.4b 20 2-86
IDC II 22 22 15 08.4–2.8 27.86N 55.70E 0 3.6,3.5 **¶12701568**
KISR II 22 22 15 11.7–.82 29.11N 55.08E 34–828 3.2L,3.5
ISCJB II 22 22 15 12.9–1.5 27.9N–.10 55.26E–.08 26 3.5b,3.5

CSEM II 22 22 15 15.6–1.4 28.08N 55.18E 10 3.2L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=77.8km s-min=30.6km az=154.0.
KISR Error ellipse: s-maj=92.5km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=7.1km az=158.5.
CSEM Event type ke. Error ellipse: s-maj=38.2km s-min=18.8km az=152.0.
ISC II 23 11 10 57.4–.33 27.52N–.03 55.46E–.03 15–1 4.8b,4.2s 718 1-120
BJI II 23 11 10 54.3 28.00N 55.12E 9 5.0b,4.7s **¶13435015**
ISCJB II 23 11 10 55.9–.15 27.52N–.02 55.38E–.02 14 4.8b,4.2s
NEIC II 23 11 10 56.9–.18 27.58N 55.37E 10 5.1b,4.2s
CSEM II 23 11 10 57.4–.10 27.55N 55.35E 10 4.8b,3.9s
TEH II 23 11 10 58.6 27.62N 55.52E 26 4.8L,3.9s
MOS II 23 11 10 58.5–.76 27.58N 55.41E 33 5.0b,3.9s
IDC II 23 11 10 59.8–2.1 27.53N 55.39E 33–16 4.4,4.4
SZGRF II 23 11 10 59.7 26.92N 54.00E 33 4.7b,3.8s
OMAN II 23 11 11 00.7–99 27.58N 55.41E 34–16 4.7b,3.8s
THR II 23 11 11 00.5–.29 27.69N 55.66E 18 4.7L,3.8s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=17.2.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.8km az=190.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=41.0.
MOS Error ellipse: s-maj=6.4km s-min=3.9km az=119.9.
IDC Error ellipse: s-maj=11.0km s-min=8.7km az=11.0.
SZGRF Southern Iran.
OMAN Error ellipse: s-maj=13.6km s-min=7.2km az=312.0.
THR Error ellipse: s-maj=4.2km s-min=4.3km az=-1.0.
ISC II 25 01 13 13.7–1.1 26.80N–.04 55.77E–.06 14 20 1-8
ISCJB II 25 01 13 13.5–.61 26.91N–.05 55.66E–.05 14 **¶14930327**
KISR II 25 01 13 13.5–.78 27.88N 55.65E 34–999 3.3L
CSEM II 25 01 13 14.2–.31 26.80N 55.74E 2 2.8L
OMAN II 25 01 13 17.9–99 26.60N 55.94E 7–213 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=6.1km az=178.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=7.5km az=81.0.
OMAN Error ellipse: s-maj=1784.0km s-min=28.1km az=5.0.
CSEM III 01 20 20 12.4–.18 27.06N 55.37E 2 3.5L
¶15996072
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=74.0.
ISC III 03 03 59 43.5–.38 27.99N–.03 57.78E–.04 10 4.2b,3.4s 166 1-120
IDC III 03 03 59 42.1–.83 27.95N 57.67E 0 4.1,4.1 **¶12702323**
ISCJB III 03 03 59 42.6–.30 28.10N–.03 57.62E–.04 10 4.1b,3.4s
OMAN III 03 03 59 43.4–99 28.12N 57.97E 10 4.1b,3.4s
CSEM III 03 03 59 44.7–.20 28.09N 57.72E 15 4.4b,3.4s
TEH III 03 03 59 48.4 28.12N 57.50E 17 4.0L,3.4s
NEIC III 03 03 59 48.5 28.11N 57.50E 17 4.6b,4.0
THR III 03 03 59 50.8–.47 28.16N 57.26E 14–7 4.2L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=14.6km az=162.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=12.7.
OMAN Error ellipse: s-maj=149.4km s-min=19.3km az=13.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=101.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=8.8km s-min=7.7km az=-1.0.
ISC III 03 04 04 16.8–.77 27.93N–.05 57.86E–.07 30 3.7b 46 1-54
OMAN III 03 04 03 59.8–99 29.12N 58.08E 3–999 3.7b **¶12702324**
IDC III 03 04 04 13.0–1.3 28.10N 57.53E 0 3.9b,3.9
ISCJB III 03 04 04 15.6–.47 28.00N–.04 57.92E–.06 30 3.8b,3.9
TEH III 03 04 04 15.7 28.04N 57.72E 17 3.6L,3.9
CSEM III 03 04 04 17.0–.47 27.95N 57.73E 15 3.6L,3.9
ISC Event type ke.
OMAN Error ellipse: s-maj=2603.0km s-min=40.9km az=359.0.
IDC Error ellipse: s-maj=29.1km s-min=20.3km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.8km az=14.5.
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=6.1km az=80.0.
ISC III 04 00 36 29.6–2.8 27.2N–.20 55.9E–.20 14 20 1-8
CSEM III 04 00 36 28.8–1.0 27.27N 56.11E 10 3.4L **¶14930333**
OMAN III 04 00 36 30.7–.01 27.09N 56.07E 5–37 3.4L
KISR III 04 00 36 31.4–.79 26.85N 55.21E 8–999 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=37.4km s-min=4.0km az=57.0.
OMAN Error ellipse: s-maj=42.2km s-min=8.5km az=259.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC III 05 10 51 11.6–.44 27.61N–.03 56.72E–.05 18 4.2b 102 0-90
TEH III 05 10 51 07.2 27.17N 56.77E 28 4.2L **¶13435555**
IDC III 05 10 51 08.7–1.1 27.59N 56.71E 0 4.2,4.2b
ISCJB III 05 10 51 10.7–.26 27.70N–.03 56.74E–.04 18 4.1b,3.1s
CSEM III 05 10 51 12.0–.21 27.61N 56.62E 2 4.2L,3.1s
MOS III 05 10 51 12.6–.98 27.76N 56.75E 33 4.3b,3.1s
OMAN III 05 10 51 36.5–99 26.32N 56.93E 4 4.3b,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=15.2km az=171.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=25.8.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.0km az=96.0.
MOS Error ellipse: s-maj=12.0km s-min=7.0km az=93.9.
OMAN Error ellipse: s-maj=32.0km s-min=2.1km az=9.0.
IDC III 09 11 30 04.3–.96 26.90N 61.61E 0 3.8,3.6b
¶12702794
IDC Error ellipse: s-maj=26.2km s-min=22.5km az=115.0.
CSEM III 19 20 54 12.6–.50 27.56N 56.26E 2 3.1L
OMAN III 19 20 54 17.4–1.5 27.45N 55.67E 55–999 3.1L **¶14930341**
CSEM Event type ke. Error ellipse: s-maj=25.8km s-min=10.5km az=95.0.
OMAN Error ellipse: s-maj=616.3km s-min=166.5km az=267.0.
ISC III 22 18 11 08.1–.66 29.92N–.04 51.66E–.04 15 3.3b 75 1-49
IDC III 22 18 11 05.8–1.5 29.88N 51.59E 0 3.6,3.5L **¶12635311**
THR III 22 18 11 06.2–.79 29.89N 51.54E 15 3.5L,3.5L
ISCJB III 22 18 11 08.0–.41 29.97N–.04 51.64E–.04 15 3.4b,3.5L
TEH III 22 18 11 08.5 29.78N 51.53E 22 3.5L,3.5L
CSEM III 22 18 11 10.0–.15 29.95N 51.67E 20 3.5L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=21.3km az=3.0.
THR Error ellipse: s-maj=5.5km s-min=10.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.3km az=19.1.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=28.0.
ISC III 24 15 45 08.8–.47 29.57N–.03 52.08E–.03 10 4.0b 126 0-95
IDC III 24 15 45 06.4–.92 29.51N 52.07E 0 4.1,4.0 **¶13437202**
ISCJB III 24 15 45 07.5–.25 29.60N–.03 52.10E–.03 10 4.0b,4.0
MOS III 24 15 45 08.6–1.8 29.38N 52.01E 33 4.2b,4.0
TEH III 24 15 45 09.0 29.52N 52.07E 8 3.9L,4.0
CSEM III 24 15 45 09.9–.17 29.61N 52.12E 15 4.0b,4.0
THR III 24 15 45 10.0–.81 29.54N 51.92E 46–5 3.9L,4.0
OMAN III 24 15 45 14.2–2.9 29.63N 52.50E 145–57 3.9L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=15.5km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=143.7.
MOS Error ellipse: s-maj=13.1km s-min=8.0km az=97.2.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=42.0.
THR Error ellipse: s-maj=3.1km s-min=9.4km az=-1.0.
OMAN Error ellipse: s-maj=73.2km s-min=21.0km az=73.0.
IDC III 26 02 02 33.2–2.5 27.58N 53.81E 0 3.4,3.3b
¶12635605
IDC Error ellipse: s-maj=63.2km s-min=30.8km az=157.0.
CSEM IV 03 01 48 08.3–1.1 27.52N 56.90E 10 4.1L
OMAN IV 03 01 48 19.6–99 26.83N 56.53E 16 4.1L **¶14930363**
CSEM Event type ke. Error ellipse: s-maj=63.1km s-min=25.3km az=104.0.
OMAN Error ellipse: s-maj=58.6km s-min=24.6km az=253.0.
ISC IV 05 04 39 30.0–1.2 28.6N–.10 51.43E–.09 24 3.5b 10 1-89
CSEM IV 05 04 39 24.8 28.50N 51.26E 16 3.1L **¶16152402**
IDC IV 05 04 39 27.2–2.7 28.73N 51.38E 0 3.5,3.5
ISCJB IV 05 04 39 28.6–1.1 28.7N–.10 51.37E–.09 24 3.5b,3.5
ISC Event type ke.
CSEM Event type ke. After THR.
ISCJB Event type ke.
ISC IV 07 11 10 38.2–.50 27.72N–.04 56.68E–.06 28 4.0b 88 0-90
IDC IV 07 11 10 33.5–.63 27.72N 56.71E 0 4.1,4.0 **¶12934723**
ISCJB IV 07 11 10 37.0–.29 27.76N–.02 56.72E–.05 28 4.0b,3.5s
THR IV 07 11 10 37.0–.93 27.83N 56.64E 14–12 3.9L,3.5s
TEH IV 07 11 10 38.2 27.64N 56.45E 28 4.0L,3.5s
CSEM IV 07 11 10 39.4–.19 27.67N 56.54E 20 4.0L,3.5s
OMAN IV 07 11 10 43.7–.51 27.44N 56.88E 36–97 4.0L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=16.9km s-min=13.6km az=126.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=176.6.
THR Error ellipse: s-maj=5.8km s-min=9.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.1km az=81.0.
OMAN Error ellipse: s-maj=22.6km s-min=6.9km az=4.0.
ISC IV 07 12 07 39.4–1.3 27.7N–.10 56.57E–.08 18 3.8b 19 0-53
IDC IV 07 12 07 33.8–3.2 27.30N 56.93E 0 3.6,3.6 **¶12934717**
KISR IV 07 12 07 39.5–.36 27.68N 55.98E 34–730 3.6L,3.6
CSEM IV 07 12 07 41.5–.66 27.70N 56.53E 20 3.2L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=77.5km s-min=34.8km az=150.0.
KISR Error ellipse: s-maj=341.0km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=19.7km s-min=11.4km az=153.0.
ISC IV 09 11 32 39.1–.39 27.78N–.03 57.60E–.05 30 4.2b,3.5s 253 1-90
IDC IV 09 11 32 35.3–.95 27.83N 57.59E 0 4.2L,4.1 **¶13438251**
MOS IV 09 11 32 37.6–.99 27.75N 57.54E 33 4.4b,4.1
NEIC IV 09 11 32 38.9 27.81N 57.54E 18 4.3b,4.2
CSEM IV 09 11 32 38.7–.17 27.86N 57.59E 20 4.3b,4.2
ISCJB IV 09 11 32 38.1–.25 27.86N–.03 57.56E–.04 30 4.2b,3.5s
THR IV 09 11 32 38.9–.44 27.81N 57.54E 18–5 4.2L,3.5s
TEH IV 09 11 32 39.9 27.90N 57.39E 22 4.2L,3.5s
OMAN IV 09 11 32 47.0–99 27.38N 57.57E 50 4.2L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=13.6km az=165.0.
MOS Error ellipse: s-maj=9.9km s-min=6.4km az=104.4.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=17.0.
THR Error ellipse: s-maj=2.0km s-min=3.5km az=-1.0.
OMAN Error ellipse: s-maj=38.3km s-min=2.5km az=17.0.
ISC IV 14 05 10 29.5–.46 27.12N–.03 55.80E–.04 14 3.8b 127 0-90
IDC IV 14 05 10 25.5–1.9 26.97N 55.99E 0 4.0,3.9 **¶12935264**
NEIC IV 14 05 10 26.3 26.86N 55.91E 7 4.1b,3.8L
THR IV 14 05 10 26.6–.34 26.87N 55.91E 8–5 3.8L,3.8L
ISCJB IV 14 05 10 29.0–.29 27.21N–.03 55.79E–.04 14 3.8b,3.8L
TEH IV 14 05 10 29.8 27.16N 55.78E 24 3.8L,3.8L
OMAN IV 14 05 10 29.0–2.5 27.34N 55.86E 27 3.8L,3.8L
CSEM IV 14 05 10 30.4–.20 27.17N 55.83E 15 3.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=18.8km az=162.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=8.7km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=157.9.
OMAN Error ellipse: s-maj=28.9km s-min=19.7km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.7km az=77.0.
ISC IV 14 18 33 43.5–.97 27.8N–.10 53.84E–.05 26 3.5b 25 1-90
IDC IV 14 18 33 39.7–1.6 27.77N 53.90E 0 3.6,3.5 **¶12935245**
ISCJB IV 14 18 33 42.7–.87 27.8N–.10 53.77E–.05 26 3.4b,3.5
KISR IV 14 18 33 42.8–.72 28.62N 53.94E 34–999 3.3L,3.5
CSEM IV 14 18 33 45.1–.91 27.84N 53.78E 23–8 3.3L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=24.6km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=5.9km az=3.4.
KISR Error ellipse: s-maj=35.3km s-min=18.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=26.4km s-min=6.9km az=6.0.
ISC IV 16 13 14 17.8–.95 26.92N–.05 55.84E–.07 14 20 1-8
CSEM IV 16 13 14 17.7–.16 26.91N 55.88E 2 3.1L **¶14930380**
ISCJB IV 16 13 14 17.4–.63 26.97N–.05 55.71E–.06 14 3.1L
OMAN IV 16 13 14 17.9–99 26.93N 56.09E 4 3.1L
KISR IV 16 13 14 18.4–.48 27.13N 55.35E 34–969 3.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.0km az=135.6.
OMAN Error ellipse: s-maj=70.2km s-min=15.2km az=39.0.
KISR Error ellipse: s-maj=582.8km s-min=999.9km az=-1.0.
CSEM IV 20 00 43 18.4–.66 28.29N 56.95E 10 3.8L
OMAN IV 20 00 43 45.8–39 26.54N 56.32E 30 3.8L **¶14930492**
CSEM Event type ke. Error ellipse: s-maj=36.6km s-min=15.1km az=99.0.
OMAN Error ellipse: s-maj=14.3km s-min=1.1km az=35.0.
ISC IV 21 13 13 04.0–.49 26.79N–.06 60.72E–.05 10 4.0b 115 3-91
ISCJB IV 21 13 13 02.9–.27 26.79N–.03 60.76E–.03 10 4.0b **¶13438962**
TEH IV 21 13 13 05.8 26.46N 60.89E 34 3.9L
CSEM IV 21 13 13 08.8–.50 26.77N 60.60E 30 4.1L
IDC IV 21 13 13 08.8–.90 26.73N 60.72E 53–6 3.9,3.8
THR IV 21 13 13 12.5–.35 27.26N 60.20E 15 3.9L,3.8
OMAN IV 21 13 13 12.8 26.32N 60.47E 75 3.9L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=165.6.
CSEM Event type ke. Error ellipse: s-maj=13.7km s-min=5.8km az=108.0.
IDC Error ellipse: s-maj=17.2km s-min=10.6km az=14.0.
THR Error ellipse: s-maj=2.9km s-min=2.6km az=-1.0.
IDC IV 21 16 47 47.0–2.4 28.17N 54.05E 0 3.5,3.4
¶16153222
IDC Error ellipse: s-maj=61.6km s-min=26.1km az=157.0.
ISC IV 30 10 04 27.3–.21 27.74N–.03 61.45E–.02 73–1 5.6b 1858 2-133
PDG IV 30 10 04 12.6 27.80N 61.50E 100 5.5b **¶13439221**
BGS IV 30 10 04 23.2–1.5 27.82N 61.49E 67 5.5b
MOS IV 30 10 04 24.8–.84 27.76N 61.42E 66 5.9b,4.1s
ISCJB IV 30 10 04 25.7–.29 27.70N–.02 61.43E–.01 76–2 5.5b,4.1s
NEIC IV 30 10 04 26.9–.18 27.74N 61.42E 69 5.7b,5.2W
CSEM IV 30 10 04 26.8–.08 27.72N 61.48E 69 5.5b,5.2W
PDA IV 30 10 04 27.3 27.75N 61.43E 70 5.2W,5.2W
SFS IV 30 10 04 27.0 27.70N 61.43E 70 5.2L,5.2W
IDC IV 30 10 04 27.1–.41 27.75N 61.50E 71–3 5.1,5.1
BJI IV 30 10 04 28.8 28.05N 61.51E 85 5.3b,5.3b
GCMT IV 30 10 04 28.9–.20 27.64N 61.37E 85–2 5.2W,5.3b
THR IV 30 10 04 29.8–.97 27.89N 61.15E 42–7 5.0L,5.3b
TEH IV 30 10 04 29.9 27.79N 61.39E 26 5.2L,5.3b
SZGRF IV 30 10 04 30.7 26.71N 58.97E 69 5.4b,5.3b
DJA IV 30 10 04 30.4–1.7 28N–10 62E–14 89–19 5.7b,5.2
OMAN IV 30 10 04 34.4–.09 27.03N 61.26E 78–8 5.7b,5.2
ISC Event type ke.
PDG Event type ke.
BGS Error ellipse: s-maj=549.6km s-min=494.1km az=-1.0.
MOS Error ellipse: s-maj=4.6km s-min=2.8km az=119.3.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=179.7.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=190.0. Moment Tensor Solution. s12 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.84 $M_{\theta\theta}$5.90 $M_{\phi\phi}$-4.06 $M_{r\theta}$5.79 $M_{\theta\phi}$0.89 $M_{\phi r}$-0.29 Best double couple: NP1:ϕ_s40.00000°,δ30.00000°,λ-155.00000°. NP2:ϕ_s288.00000° ,δ78.00000°,λ-63.00000°. Principal axes: T 9.0300,Plg27.0000°,Azm356.0000° ; N -3.7200,Plg26.0000°,Azm102.0000°; P -5.3100,Plg49.0000°,Azm228.0000° $M_0$7.80000×10^{16}
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=161.0.
SFS Event type ke.
IDC Error ellipse: s-maj=9.4km s-min=7.1km az=3.0.
GCMT Event type se. Data Used: Il IU IC G CN. Surface waves: sta= 87, comp=138, per= 50. Moment Tensor Solution. s67,c92; s2,c2; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.57±.18 $M_{\theta\theta}$3.82±.19; $M_{\phi\phi}$-2.26±.19; $M_{r\theta}$6.01±.11; $M_{\theta\phi}$3.61±.18; $M_{\phi r}$-0.43±.13; Best double couple: NP1:ϕ_s21.00000°,δ35.00000°,λ-167.00000°. NP2:ϕ_s280.00000°,δ83.00000°,λ-56.00000°. Principal axes: T 8.4700,Plg29.0000°,Azm343.0000°; N -1.6700,Plg34.0000°,Azm95.0000° ; P -6.8100,Plg42.0000°,Azm222.0000° $M_0$7.60000×10^{16}

THR Error ellipse: s-maj=8.1km s-min=19.4km az=-1.0.
SZGRF Southern Iran.
OMAN Error ellipse: s-maj=6.6km s-min=3.2km az=15.0.
IDC IV 30 20 00 39.3–2.3 28.23N 52.10E 0 3.6,3.6 ¶16154678
IDC Error ellipse: s-maj=50.7km s-min=27.2km az=168.0.
ISC V 01 22 30 11.8–.33 29.19N–.04 51.63E–.03 17 4.3b,3.4s 494 1-95
ISCJB V 01 22 30 09.5–.19 29.17N–.02 51.57E–.02 17 4.2b,3.4s **¶13439267**
BJI V 01 22 30 10.5 29.50N 51.80E 12 5.0b,4.7s
MOS V 01 22 30 11.4–.98 29.09N 51.57E 33 4.5b,4.7s
TEH V 01 22 30 11.8 29.16N 51.60E 10 4.1L,4.7s
THR V 01 22 30 11.8–.77 29.19N 51.57E 43–11 4.2L,4.7s
IDC V 01 22 30 12.9–3.1 29.24N 51.73E 25–20 4.0,4.0
NEIC V 01 22 30 13.9–1.4 29.24N 51.63E 34–10 4.3b,4.2L
CSEM V 01 22 30 13.3–.09 29.22N 51.62E 30 4.5s,4.2b
OMAN V 01 22 30 18.2–.23 28.77N 51.62E 41–30 4.5s,4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=28.6.
MOS Error ellipse: s-maj=7.4km s-min=4.7km az=119.5.
THR Error ellipse: s-maj=10.4km s-min=12.3km az=-1.0.
IDC Error ellipse: s-maj=17.0km s-min=11.6km az=165.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.7km az=189.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=37.0.
OMAN Error ellipse: s-maj=36.7km s-min=7.2km az=8.0.
ISC V 04 01 10 47.9–1.0 29.84N–.04 56.98E–.05 10 51 0-9
THR V 04 01 10 47.0–.44 29.83N 56.85E 9–3 3.6L **¶14370493**
ISCJB V 04 01 10 47.3–.46 29.79N–.03 56.89E–.05 10 3.6L
CSEM V 04 01 10 49.3–.19 29.82N 56.94E 15 3.7L
OMAN V 04 01 10 50.9–19 29.48N 57.29E 2 3.7L
TEH V 04 01 10 50.7 29.96N 57.00E 13 3.7L
ISC Event type ke.
THR Error ellipse: s-maj=2.6km s-min=3.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.3km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=102.0.
OMAN Error ellipse: s-maj=10.2km s-min=1.0km az=295.0.
IDC V 06 05 14 06.2–8.9 27.98N 53.67E 0 3.5,3.5 ¶16155436
IDC Error ellipse: s-maj=402.7km s-min=26.8km az=150.0.
ISC V 06 07 47 17.6–.94 28.37N–.07 55.32E–.06 22 3.7b 11 1-52
IDC V 06 07 47 13.4–3.1 28.23N 55.45E 0 3.8,3.7 **¶16155446**
CSEM V 06 07 47 16.4 28.42N 55.32E 14 3.3L,3.7
ISCJB V 06 07 47 16.6–.84 28.3N–.10 55.16E–.07 22 3.6b,3.7
ISC Event type ke.
CSEM Event type ke. After THR.
ISCJB Event type ke.
ISC V 07 22 44 02.6–.28 25.41N–.03 57.06E–.02 29–1 5.3b,4.4s 1513 1-132
BJI V 07 22 43 57.7 25.52N 56.64E 20 5.1b,5.0b **¶13439399**
IDC V 07 22 43 58.3–.44 25.30N 57.11E 0 5.1,5.1
OMAN V 07 22 44 00.4–46 25.39N 57.08E 6–5 5.1,5.1
ISCJB V 07 22 44 00.5–.51 25.41N–.02 57.07E–.02 24–3 5.2b,4.4s
DJA V 07 22 44 00.4–.30 25N–6.0 57E–4.0 10 5.5b,5.0b
GCMT V 07 22 44 01.5–.30 25.16N 57.03E 25–1 5.0W,5.0b
MOS V 07 22 44 02.1–.75 25.45N 57.02E 33 5.5b,4.1s
CSEM V 07 22 44 04.3–.08 25.42N 57.09E 40 5.3b,5.0W
THR V 07 22 44 04.0–.77 25.73N 56.98E 14–8 4.9L,5.0W
BGS V 07 22 44 04.7–1.9 25.61N 57.22E 40 5.4b,5.0W
NEIC V 07 22 44 04.4–.48 25.45N 57.03E 39–4 5.4b,5.0W
TEH V 07 22 44 06.8 25.69N 57.05E 21 4.8L,5.0W
SZGRF V 07 22 44 13.9 25.06N 54.64E 33 5.3b,5.0W
NSSC V 07 22 44 15.6–2.8 26.28N 55.89E 5–999 5.3b,5.0W
ISC Event type fe.
IDC Error ellipse: s-maj=11.5km s-min=8.2km az=29.0.
OMAN Error ellipse: s-maj=8.0km s-min=4.4km az=253.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=10.9.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s30,c37; s69,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}2.80±.22 $M_{\theta\theta}$-2.25±.17; $M_{\phi\phi}$-0.55±.15; $M_{r\theta}$2.41±.38; $M_{\theta\phi}$-3.14±.12; $M_{\phi r}$1.66±.38; Best double couple: NP1:ϕ_s227.00000°,δ26.00000°,λ82.00000°. NP2:ϕ_s56.00000°,δ64.00000°,λ94.00000°. Principal axes: T 3.8200,Plg71.0000° ,Azm335.0000°; N 1.8500,Plg4.0000°,Azm234.0000°; P -5.6600,Plg19.0000°,Azm143.0000° M_o4.70000×10^{16}
MOS Error ellipse: s-maj=5.4km s-min=3.0km az=120.9.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=6.0.
THR Error ellipse: s-maj=8.9km s-min=6.2km az=-1.0.
BGS Error ellipse: s-maj=999.9km s-min=830.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=182.0. Felt [IV] at Al Fujayrah and [II] at Dubai and Khawr Fakkan, United Arab Emirates. Also felt at Abu Dhabi. Felt at Khasab, Oman.
SZGRF Persian Gulf.
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC V 07 23 58 24.3–1.3 28.24N–.06 56.18E–.07 16 31 1-8
KISR V 07 23 58 22.6–.80 28.76N 55.88E 34–999 3.2L **¶15681681**
ISCJB V 07 23 58 24.5–.87 28.23N–.06 56.02E–.07 16 3.2L
CSEM V 07 23 58 25.3–.51 28.17N 56.23E 20 3.2L
OMAN V 07 23 58 54.8–.78 26.17N 56.03E 29–168 3.2L
ISC Event type ke.
KISR Error ellipse: s-maj=348.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=4.9km az=136.3.
CSEM Event type ke. Error ellipse: s-maj=12.4km s-min=9.5km az=63.0.
OMAN Error ellipse: s-maj=51.3km s-min=27.9km az=230.0.
ISC V 10 01 07 31.6–1.2 25.41N–.03 57.14E–.04 16–7 4.4b 430 1-92
IDC V 10 01 07 29.4–.68 25.34N 57.06E 0 4.2,4.1 **¶12793686**
OMAN V 10 01 07 31.6–.70 25.61N 57.30E 29 4.2,4.1
TEH V 10 01 07 32.1 25.42N 57.04E 30 4.2L,4.1
MOS V 10 01 07 32.5–.79 25.39N 57.03E 33 4.6b,4.1
CSEM V 10 01 07 33.9–.11 25.40N 57.05E 30 4.3b,4.0s
THR V 10 01 07 34.0–.34 25.62N 56.97E 14–8 4.1L,4.0s
NEIC V 10 01 07 34.4–1.5 25.39N 57.05E 34–10 4.4b,4.2
ISC Event type fe.
IDC Error ellipse: s-maj=16.5km s-min=13.3km az=162.0.
OMAN Error ellipse: s-maj=1.9km s-min=0.7km az=19.0.
MOS Error ellipse: s-maj=8.1km s-min=4.9km az=119.4.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=105.0.
THR Error ellipse: s-maj=13.4km s-min=4.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=3.8km az=165.0. Felt at Khawr Fakkan, United Arab Emirates.
ISC V 13 23 39 52.5–.38 28.27N–.04 55.29E–.04 22 4.2b 230 1-92
OMAN V 13 23 39 40.6–6.3 29.09N 55.77E 0 4.2b **¶13439574**
IDC V 13 23 39 48.6–.78 28.25N 55.32E 0 4.3,4.1L
ISCJB V 13 23 39 51.2–.23 28.31N–.03 55.30E–.04 22 4.0s,4.0b
TEH V 13 23 39 51.5 28.27N 55.34E 20 3.9L,4.0b
NEIC V 13 23 39 51.5 28.26N 55.33E 20 4.5b,3.9
THR V 13 23 39 51.4–1.3 28.35N 55.38E 14–13 3.8L,3.9
CSEM V 13 23 39 52.6–.17 28.30N 55.34E 20 4.3b,3.9
MOS V 13 23 39 54.1–1.1 28.24N 55.26E 55 4.6b,3.9
ISC Event type ke.
OMAN Error ellipse: s-maj=89.0km s-min=67.8km az=88.0.
IDC Error ellipse: s-maj=19.3km s-min=14.2km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=144.3.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=5.3km s-min=6.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.5km az=57.0.
MOS Error ellipse: s-maj=10.8km s-min=6.8km az=116.0.
ISC V 14 17 33 29.1–1.8 28.4N–.30 52.1E–.10 15 25 4-8
KISR V 14 17 33 30.4–.66 28.25N 52.13E 34–508 2.9L **¶15681755**
CSEM V 14 17 34 17.0 25.87N 55.11E 0 2.9L
OMAN V 14 17 34 17.0–8.2 25.87N 55.11E 0–13 2.9L
ISC Event type ke.
KISR Error ellipse: s-maj=262.1km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OMAN.
OMAN Error ellipse: s-maj=84.0km s-min=12.1km az=128.0.
ISC V 16 23 25 56.9–.93 27.07N–.05 55.50E–.04 12 24 1-8
ISCJB V 16 23 25 56.1–.57 27.10N–.04 55.47E–.04 12 **¶14930522**
CSEM V 16 23 25 57.7–.36 27.04N 55.54E 10 2.8L
OMAN V 16 23 25 58.6–.36 27.17N 55.72E 65–31 2.8L
KISR V 16 23 25 58.0–.61 28.11N 55.16E 34–999 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=36.9.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=8.0km az=44.0.
OMAN Error ellipse: s-maj=39.1km s-min=9.7km az=271.0.
KISR Error ellipse: s-maj=520.7km s-min=999.9km az=-1.0.
ISC V 17 01 05 11.3–1.8 27.53N–.05 52.45E–.05 4–12 3.7b 79 1-90
ISCJB V 17 01 05 10.5–1.2 27.59N–.04 52.33E–.04 4–8 3.7b,3.3s **¶13679091**
IDC V 17 01 05 10.6–1.6 27.50N 52.36E 0 4.1L,3.8
THR V 17 01 05 11.2–.44 27.71N 52.21E 17–5 3.9L,3.8
CSEM V 17 01 05 12.3–.22 27.58N 52.42E 2 3.9L,3.8
TEH V 17 01 05 20.1 27.85N 52.38E 35 3.9L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.5km az=39.9.
IDC Error ellipse: s-maj=35.7km s-min=18.7km az=159.0.
THR Error ellipse: s-maj=5.4km s-min=3.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=52.0.
ISC V 22 10 32 19.8–.55 26.88N–.03 55.91E–.04 14 3.7b 63 1-87
IDC V 22 10 32 17.9–1.6 26.87N 55.89E 0 3.8,3.8L **¶13679418**
TEH V 22 10 32 20.2 26.88N 55.92E 29 3.8L,3.8L
CSEM V 22 10 32 20.5–.17 26.93N 55.84E 2 3.8L,3.8L
ISCJB V 22 10 32 20.0–.33 26.97N–.03 55.82E–.04 14 3.6b,3.0s
OMAN V 22 10 32 20.9–99 26.90N 55.99E 0–400 3.6b,3.0s
THR V 22 10 32 21.4–.36 27.10N 55.85E 14–4 3.6L,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=35.8km s-min=16.7km az=169.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=169.0.
OMAN Error ellipse: s-maj=1032.0km s-min=40.4km az=5.0.
THR Error ellipse: s-maj=8.4km s-min=1.6km az=-1.0.
ISC V 22 18 05 11.2–.60 28.72N–.06 51.49E–.04 24 3.7b 78 1-95
IDC V 22 18 05 07.1–.93 28.65N 51.58E 0 3.9,3.8 **¶13679431**
ISCJB V 22 18 05 09.9–.49 28.70N–.05 51.42E–.03 24 3.7b,2.9s
THR V 22 18 05 09.3–.51 28.81N 51.52E 15–7 3.7L,2.9s
TEH V 22 18 05 10.7 28.64N 51.50E 14 3.7L,2.9s
CSEM V 22 18 05 11.1–.19 28.79N 51.51E 10 3.7L,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=16.1km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.2km az=179.3.
THR Error ellipse: s-maj=11.6km s-min=10.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.5km az=172.0.
ISC V 26 10 39 11.8–1.2 27.66N–.04 53.54E–.04 31–9 4.1b 181 1-93
THR V 26 10 39 05.2–.62 27.32N 53.56E 14–9 4.2L **¶13439788**
NEIC V 26 10 39 05.2 27.32N 53.56E 14 4.3b,4.2L
IDC V 26 10 39 06.5–.95 27.59N 53.56E 0 4.1,4.0
MOS V 26 10 39 09.1–1.3 27.51N 53.53E 33 4.5b,4.0
CSEM V 26 10 39 10.8–.20 27.68N 53.52E 20 4.3b,3.9s
TEH V 26 10 39 11.3 27.72N 53.48E 20 4.1L,3.9s
BJI V 26 10 39 11.3 27.13N 53.14E 91 5.2b,4.7b
ISC Event type ke.
THR Error ellipse: s-maj=10.6km s-min=9.6km az=-1.0.
NEIC Event type se. After THR.
IDC Error ellipse: s-maj=22.9km s-min=14.8km az=13.0.
MOS Error ellipse: s-maj=11.0km s-min=8.1km az=92.8.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.4km az=25.0.
ISC V 29 16 17 15.1–3.5 28.05N–.05 57.45E–.05 2–26 3.6b 47 1-54
IDC V 29 16 17 09.8–2.8 27.90N 57.59E 0 3.8,3.7 **¶13679907**
TEH V 29 16 17 10.8 27.93N 58.01E 4 3.7L,3.7
ISCJB V 29 16 17 11.7–1.1 28.03N–.05 57.63E–.05 11–7 3.6b,3.6s
THR V 29 16 17 16.0–.30 28.07N 57.47E 18–2 3.8L,3.6s
CSEM V 29 16 17 16.0–.55 28.05N 57.41E 5 3.8L,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=65.6km s-min=27.3km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.6km az=145.2.
THR Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=7.6km az=128.0.
ISC V 31 21 31 23.1–1.8 29.1N–.30 51.20E–.09 16 8 3-48
IDC V 31 21 31 19.4–2.8 28.44N 51.68E 0 3.4b,3.3 **¶13680061**
KISR V 31 21 31 22.3–.56 28.81N 51.19E 34–219 2.8L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=82.0km s-min=31.5km az=158.0.
KISR Error ellipse: s-maj=73.8km s-min=453.4km az=-1.0.
ISC VI 01 04 50 11.3–.95 27.27N–.08 56.21E–.04 15 3.5b 39 0-89
TEH VI 01 04 50 09.2 27.24N 56.28E 19 3.6L **¶13680085**
IDC VI 01 04 50 09.9–1.4 27.39N 56.22E 0 3.7,3.6
ISCJB VI 01 04 50 10.3–.75 27.31N–.06 56.19E–.05 15 3.5b,3.6
CSEM VI 01 04 50 10.4–.74 27.24N 56.24E 2 3.6L,3.6
KISR VI 01 04 50 10.8–.52 28.41N 55.90E 34 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=24.8km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.9km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=16.5km s-min=9.1km az=167.0.
KISR Error ellipse: s-maj=51.0km s-min=12.1km az=-1.0.
ISC VI 02 22 34 33.5–.52 27.28N–.05 54.09E–.05 23 3.9b 75 1-90
TEH VI 02 22 34 32.0 27.10N 53.90E 25 3.7L **¶13193863**
ISCJB VI 02 22 34 32.7–.33 27.43N–.04 54.03E–.04 23 3.9b,2.7s
THR VI 02 22 34 33.7–.48 27.30N 54.05E 46–10 3.7L,2.7s
CSEM VI 02 22 34 34.5–.54 27.42N 54.07E 19–4 3.7L,2.7s
IDC VI 02 22 34 38.8–6.8 27.45N 54.06E 66–59 3.9L,3.6
OMAN VI 02 22 34 53.1–99 26.22N 55.18E 0–293 3.9L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=142.3.
THR Error ellipse: s-maj=9.2km s-min=10.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.8km az=51.0.
IDC Error ellipse: s-maj=40.0km s-min=15.2km az=159.0.
OMAN Error ellipse: s-maj=333.3km s-min=25.5km az=338.0.
ISC VI 10 00 23 59.8–1.0 28.50N–.04 56.76E–.07 31 3.2b 30 1-53
IDC VI 10 00 23 52.7–2.7 27.99N 57.00E 0 3.5,3.5 **¶13681082**
CSEM VI 10 00 23 57.4–.39 28.50N 56.87E 10 3.3L,3.5
OMAN VI 10 00 23 57.5–.03 28.16N 57.61E 6 3.3L,3.5
KISR VI 10 00 23 58.8–.58 28.86N 56.17E 34–999 3.2L,3.5
ISCJB VI 10 00 23 59.8–.60 28.48N–.04 56.52E–.06 31 3.3b,3.5
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VI 11 12 38 20.5–2.2 29.89N–.06 57.70E–.03 1–17 3.3b 33 1-31
THR VI 11 12 38 20.7–1.3 29.82N 57.69E 14–10 3.5L **¶13681165**
CSEM VI 11 12 38 20.7–.35 29.88N 57.73E 2 3.7L
TEH VI 11 12 38 22.5 30.12N 57.68E 21 3.7L
IDC VI 11 12 38 25.0–6.5 30.53N 57.69E 0 3.6L,3.4
ISC Event type ke.
THR Error ellipse: s-maj=6.4km s-min=4.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=6.4km az=1.0.
IDC Error ellipse: s-maj=125.2km s-min=36.7km az=176.0.
ISC VI 11 21 26 05.4–1.0 28.7N–.10 51.62E–.05 24 3.6b 21 1-49
IDC VI 11 21 26 01.1–2.6 28.60N 51.60E 0 3.5,3.5 **¶13681185**
KISR VI 11 21 26 01.7–.32 28.63N 51.49E 11–327 2.9L,3.5
ISCJB VI 11 21 26 02.5–1.3 28.6N–.10 51.70E–.06 24 3.5b,3.5
CSEM VI 11 21 26 03.4–.34 28.71N 51.59E 2 2.9L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=63.8km s-min=29.2km az=158.0.
KISR Error ellipse: s-maj=63.8km s-min=321.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=7.1km az=166.8.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=5.8km az=172.0.
ISC VI 19 08 16 02.8–.59 27.45N–.04 56.48E–.06 18 3.7b 48 0-86
IDC VI 19 08 15 59.6–2.6 27.47N 56.48E 0 4.6L,3.8 **¶13681645**
ISCJB VI 19 08 16 01.5–.41 27.37N–.04 56.40E–.08 18 3.8b,3.8
THR VI 19 08 16 04.6–.75 27.57N 56.38E 14–6 3.7L,3.8

CSEM VI 19 08 16 04.8–.34 27.39N 56.40E 20 3.7L,3.8
OMAN VI 19 08 16 04.3–27 27.43N 56.42E 117–5 3.7L,3.8
TEH VI 19 08 16 09.9 28.00N 56.02E 10 3.7L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=52.0km s-min=28.3km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=4.7km az=162.2.
THR Error ellipse: s-maj=3.6km s-min=6.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=15.0km s-min=7.4km az=75.0.
OMAN Error ellipse: s-maj=9.8km s-min=5.3km az=33.0.
ISC VI 22 08 49 39.1–.85 28.49N–.05 53.52E–.05 10 3.6b 40 1-50
ISCJB VI 22 08 49 37.3–.70 28.44N–.05 53.63E–.06 10 3.5b **¶13681829**
IDC VI 22 08 49 37.6–2.4 28.59N 53.51E 0 3.6,3.6
TEH VI 22 08 49 39.3 28.39N 53.57E 11 3.8L,3.6
CSEM VI 22 08 49 41.2–.51 28.54N 53.57E 17–2 3.8L,3.6
KISR VI 22 08 49 43.2–.63 28.98N 52.93E 34–999 3.0L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.5km az=139.8.
IDC Error ellipse: s-maj=58.6km s-min=23.0km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.7km az=124.0.
KISR Error ellipse: s-maj=209.7km s-min=999.9km az=-1.0.
ISC VI 23 05 02 41.8–.36 28.28N–.03 56.15E–.03 14–1 4.6b,3.4s 550 1-120
ISCJB VI 23 05 02 38.8–.30 28.14N–.04 56.10E–.03 10 4.6b,3.6s **¶13217775**
MOS VI 23 05 02 38.6–1.2 28.17N 56.06E 10 4.9b,3.6s
IDC VI 23 05 02 39.5–.59 28.28N 56.11E 0 4.4,4.4
BJI VI 23 05 02 39.0 28.20N 56.10E 10 4.8b,4.6s
NEIC VI 23 05 02 40.9–.34 28.26N 56.06E 10 4.9b,4.5
THR VI 23 05 02 41.7–1.2 28.32N 56.47E 46–9 4.4L,4.5
CSEM VI 23 05 02 42.2–.16 28.22N 56.13E 15 4.5b,3.5s
TEH VI 23 05 02 43.2 28.30N 56.10E 28 4.4L,3.5s
SZGRF VI 23 05 03 11.4 30.93N 53.28E 9 4.4b,3.5s
AZER VI 23 05 04 37.3 35.53N 51.69E 20 4.4b,3.5s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.4km az=179.7.
MOS Error ellipse: s-maj=7.8km s-min=4.3km az=119.2.
IDC Error ellipse: s-maj=14.8km s-min=11.8km az=169.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.6km az=170.0.
THR Error ellipse: s-maj=5.9km s-min=6.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.7km az=1.0.
SZGRF Northern and central Iran.
IDC VI 23 20 18 19.5–1.2 27.26N 53.32E 0 3.7,3.7
¶16101667
IDC Error ellipse: s-maj=34.8km s-min=22.6km az=157.0.
ISC VI 24 20 50 19.8–1.4 29.89N–.04 57.83E–.03 3–10 3.7b 89 1-54
IDC VI 24 20 50 17.6–2.2 29.70N 57.84E 0 3.9,3.8 **¶13681979**
TEH VI 24 20 50 21.8 29.89N 57.84E 5 4.0L,3.8
CSEM VI 24 20 50 21.4–.24 29.92N 57.74E 2 4.0L,3.8
THR VI 24 20 50 22.0–.79 29.96N 57.71E 18–9 4.0L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=49.7km s-min=16.9km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=151.0.
THR Error ellipse: s-maj=4.1km s-min=4.8km az=-1.0.

(354) Southwestern Pakistan.

ISC II 25 05 03 08.1–.51 25.03N–.07 62.88E–.05 28 4.6b,3.6s 319 4-93
IDC II 25 05 03 03.6–.74 24.88N 62.88E 0 4.4,4.3 **¶12088200**
OMAN II 25 05 03 04.4–4.7 24.62N 63.17E 10 4.4,4.3
CSEM II 25 05 03 05.7–.16 25.04N 62.84E 10 4.7b,3.8s
ISCJB II 25 05 03 06.1–.28 25.02N–.04 62.83E–.03 28 4.5b,3.6s
MOS II 25 05 03 08.8–.85 25.06N 62.84E 49 4.9b,3.6s
BJI II 25 05 03 09.4 25.18N 62.92E 40 4.9b,4.6s
TEH II 25 05 03 12.0 25.08N 62.92E 60 4.7L,4.6s
NEIC II 25 05 03 12.0–2.3 24.97N 62.89E 67–21 4.9b,4.6s
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=12.3km az=16.0.
OMAN Error ellipse: s-maj=5.0km s-min=2.2km az=317.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.0km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.4km az=168.9.
MOS Error ellipse: s-maj=7.9km s-min=5.7km az=107.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=4.7km az=202.0.
IDC III 08 20 10 17.7–.84 27.60N 64.27E 0 3.7,3.6
¶12702751
IDC Error ellipse: s-maj=22.3km s-min=18.7km az=132.0.

(356) Off coast of Pakistan.

ISC IV 21 06 16 51.1–2.3 24.4N–.30 65.6E–.20 35 3.7b 13 6-93
IDC IV 21 06 16 44.5–2.7 24.15N 65.79E 0 4.0,3.8 **¶16153194**
ISCJB IV 21 06 16 48.9–2.1 24.4N–.30 65.7E–.20 33 3.8b,3.8
OMAN IV 21 06 17 15.9–99 18.23N 62.05E 37 3.8b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=66.9km s-min=26.0km az=146.0.
ISCJB Event type ke. Error ellipse: s-maj=52.6km s-min=11.3km az=144.1.
OMAN Error ellipse: s-maj=129.6km s-min=16.7km az=244.0.
ISC VI 02 18 36 16.6–2.4 25.0N–.30 62.6E–.10 35 3.7b 13 14-58
IDC VI 02 18 36 10.4–2.6 24.82N 62.83E 0 3.9,3.8b **¶16066237**
ISCJB VI 02 18 36 15.0–2.2 25.2N–.30 62.5E–.10 33 3.6b,3.1s
ISC Event type ke.
ISCJB Event type ke.

SEISMIC REGION 30.
Middle East-Crimea-Eastern Balkans.

(357) Ukraine - Moldova - Southwestern Russia region.

ISC I 14 17 30 58.2–.78 44.78N–.04 46.90E–.03 28–6 3.3b 78 2-27
ISCJB I 14 17 30 55.6–2.2 44.85N–.04 46.81E–.06 15–20 3.3b **¶12081280**
IDC I 14 17 30 55.2–.87 44.73N 46.66E 0 3.7,3.6b
MOS I 14 17 30 56.8–.74 44.82N 46.82E 27 4.3b,3.6b
NNC I 14 17 30 58.1–1.1 44.85N 47.13E 0 4.7,3.5b
CSEM I 14 17 30 59.7–.15 44.76N 46.76E 40 4.3b,3.5b
AZER I 14 17 31 09.9 43.68N 46.67E 142 4.3b,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.2km az=135.8.
IDC Error ellipse: s-maj=20.3km s-min=9.8km az=127.0.
MOS Error ellipse: s-maj=14.5km s-min=6.2km az=79.0.
NNC Error ellipse: s-maj=52.4km s-min=8.3km az=159.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.8km az=122.0.
BUC II 28 06 25 59.7–.09 45.06N 28.23E 5 1.9
¶14359579
BUC Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=70.0.
ISC III 15 01 28 25.9–1.9 45.16N–.03 30.84E–.07 3–12 3.1b 67 1-40
IDC III 15 01 28 23.4–1.2 45.36N 31.08E 0 3.3b,3.3 **¶12703312**
SOF III 15 01 28 29.2 45.17N 30.48E 6 2.9,3.3
CSEM III 15 01 28 31.6–.91 45.20N 30.45E 10 2.9,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=13.2km az=162.0.
CSEM Event type ke. Error ellipse: s-maj=20.2km s-min=9.0km az=88.0.
BUC III 31 10 04 09.8–.07 45.06N 28.23E 6–1 2.0
¶14544513
BUC Event type ke. Error ellipse: s-maj=0.4km s-min=0.1km az=316.0.
BUC IV 03 12 53 34.4–.78 45.06N 28.27E 2 1.9
¶14693684
BUC Event type ke. Error ellipse: s-maj=7.5km s-min=6.1km az=78.0.
ISC V 08 17 29 28.7–.95 48.08N–.08 23.17E–.06 10 10 0-1
¶16662318
ISC Event type ke.
ISC VI 10 17 39 29.6–2.7 44.6N–.10 45.88E–.05 3–7 32 1-3
CSEM VI 10 17 39 34.2 44.29N 45.73E 10 4.2b **¶14785502**
MOS VI 10 17 39 34.2–1.9 44.29N 45.73E 10 4.2b
ISC Event type ke.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=20.3km s-min=9.2km az=69.1.

(358) Romania.

BUC I 04 10 02 42.8–.79 45.66N 26.48E 152–6 3.6
CSEM I 04 10 02 42.8 45.66N 26.48E 152 3.6 **¶14357968**
BUC Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=337.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC I 13 05 50 31.2–1.2 45.64N 26.47E 160–10 3.5
CSEM I 13 05 50 31.2 45.64N 26.47E 160 3.5 **¶14358168**
BUC Event type ke. Error ellipse: s-maj=8.4km s-min=7.4km az=22.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
ISC I 15 01 12 39.3–.73 45.56N–.03 26.32E–.03 154–4 3.6b 189 0-47
ISCJB I 15 01 12 38.4–.33 45.56N–.03 26.33E–.04 152–3 3.3b **¶12081302**
BUC I 15 01 12 38.9–.89 45.55N 26.33E 154–8 4.6
IDC I 15 01 12 38.9–.74 45.62N 26.24E 138–3 3.2b,3.0
CSEM I 15 01 12 39.0–.21 45.54N 26.32E 150–2 4.6,3.0
SOF I 15 01 12 40.0 45.68N 26.28E 48 3.1,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=22.5.
BUC Event type ke. Error ellipse: s-maj=6.1km s-min=5.7km az=80.0.
IDC Error ellipse: s-maj=22.5km s-min=12.2km az=116.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=77.0.
BUC I 15 20 53 25.9–.58 45.48N 26.80E 40 2.1
¶14358219
BUC Event type ke. Error ellipse: s-maj=11.0km s-min=5.0km az=13.0.
ISC I 18 22 47 11.3–.87 45.27N–.01 22.54E–.01 11–6 352 0-7
PDG I 18 22 47 10.7–.43 45.21N 22.53E 11–1 3.6L **¶11598183**
ISCJB I 18 22 47 10.8–.37 45.28N–.01 22.48E–.02 14–2 3.6L
CSEM I 18 22 47 11.4–.07 45.25N 22.52E 8 3.7
BUC I 18 22 47 11.1–1.1 45.30N 22.58E 8–12 3.7
SOF I 18 22 47 11.3 45.16N 22.56E 12 3.4
BEO I 18 22 47 11.8–.74 45.19N 22.64E 22–5 3.6L
PRU I 18 22 47 14.1 45.16N 22.43E 27 3.6L
VIE I 18 22 47 16.7–.30 45.48N 22.08E 10 3.3L,2.9b
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=1.5.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=5.0.
BUC Event type ke. Error ellipse: s-maj=12.3km s-min=7.0km az=57.0.
BEO Event type ke.
VIE Error ellipse: s-maj=4.0km s-min=2.3km az=30.0. 71 km ESE of Timisoara .
BUC I 23 23 08 48.6–2.0 45.36N 26.23E 15 1.6
¶14358448
BUC Event type ke. Error ellipse: s-maj=19.1km s-min=5.5km az=343.0.
BUC I 29 03 24 53.7–.89 45.65N 26.59E 101–9 2.8
CSEM I 29 03 24 53.7 45.65N 26.59E 101 2.8 **¶14358622**
BUC Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=350.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC II 03 09 26 47.7–2.0 45.49N 27.66E 10–15 2.5
CSEM II 03 09 26 47.7 45.49N 27.66E 10 2.5 **¶14358759**
BUC Event type ke. Error ellipse: s-maj=10.9km s-min=9.1km az=121.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC II 06 02 48 29.7–1.1 45.70N 27.89E 9–16 2.6
CSEM II 06 02 48 29.7 45.70N 27.89E 9 2.6 **¶14358866**
BUC Event type ke. Error ellipse: s-maj=22.6km s-min=7.1km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
ISC II 11 03 02 55.4–1.3 45.79N–.03 26.88E–.03 101–6 119 0-5
ISCJB II 11 03 02 55.0–.54 45.79N–.03 26.88E–.04 102–4 **¶14359034**
BUC II 11 03 02 55.2–1.1 45.79N 26.87E 100–9 3.9
CSEM II 11 03 02 55.7–.17 45.79N 26.88E 98–2 3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=41.1.
BUC Event type ke. Error ellipse: s-maj=8.4km s-min=7.4km az=102.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=138.0.
ISC II 13 01 46 08.0–1.3 45.92N–.04 21.28E–.03 9–8 51 0-3
BEO II 13 01 46 08.5–.63 45.89N 21.31E 4–3 2.4L **¶14701980**
CSEM II 13 01 46 08.3–.34 45.88N 21.25E 2 2.4L
ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.8km az=37.0.
BUC II 14 20 59 26.5–.47 45.62N 22.14E 30 2.3
¶14359117
BUC Event type ke. Error ellipse: s-maj=8.1km s-min=4.3km az=10.0.
BUC II 17 17 19 56.8–.35 45.74N 26.58E 12–2 2.6
CSEM II 17 17 19 56.8 45.74N 26.58E 12 2.6 **¶14359230**
BUC Event type ke. Error ellipse: s-maj=4.5km s-min=2.4km az=316.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC II 18 14 23 15.6–1.5 45.62N 26.45E 110–14 3.2
CSEM II 18 14 23 15.6 45.62N 26.45E 110 3.2 **¶14359263**
BUC Event type ke. Error ellipse: s-maj=10.5km s-min=9.4km az=65.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC II 28 12 52 19.7–.95 45.64N 26.52E 138–8 3.5
CSEM II 28 12 52 19.7 45.64N 26.52E 138 3.5 **¶14359582**
BUC Event type ke. Error ellipse: s-maj=6.5km s-min=5.2km az=331.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
ISC II 28 14 22 08.5–1.2 47.84N–.03 23.94E–.03 9–9 57 0-3
ISCJB II 28 14 22 08.3–.85 47.87N–.04 23.89E–.05 6–6 **¶14359583**
BUC II 28 14 22 08.1–1.8 47.84N 23.93E 8–15 2.6
CSEM II 28 14 22 09.0–.23 47.85N 23.89E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.5km az=36.4.
BUC Event type ke. Error ellipse: s-maj=19.3km s-min=7.8km az=353.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=35.0.
ISC III 02 04 15 07.5–.59 45.60N–.02 27.57E–.02 23–4 3.5b 213 0-68
BEO III 02 04 15 04.1–.81 45.66N 27.64E 0 3.4L **¶12702234**
ISCJB III 02 04 15 07.9–.35 45.58N–.02 27.51E–.03 32–3 3.5b
BUC III 02 04 15 07.8–.55 45.59N 27.57E 22–12 4.2
CSEM III 02 04 15 07.9–.13 45.58N 27.53E 19 4.2
IDC III 02 04 15 07.7–.79 45.63N 27.55E 20–4 3.7L,3.6
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=164.0.
BUC Event type ke. Error ellipse: s-maj=6.4km s-min=5.6km az=46.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=67.0.
IDC Error ellipse: s-maj=13.0km s-min=7.9km az=158.0.
ISC III 07 00 51 50.6–1.0 45.55N–.02 23.28E–.02 15–9 75 0-3
BUC III 07 00 51 50.6–.70 45.54N 23.27E 12–9 2.5 **¶14547662**
CSEM III 07 00 51 51.9–.24 45.63N 23.31E 2 2.5
BEO III 07 00 51 53.4–.51 45.62N 23.21E 0 2.3L
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=12.5km s-min=6.0km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=171.0.
BEO Event type ke.
BUC III 08 12 46 41.1–.92 45.40N 24.34E 10–11 2.7
CSEM III 08 12 46 41.1 45.40N 24.34E 10 2.7 **¶14544158**
BUC Event type ke. Error ellipse: s-maj=16.1km s-min=6.0km az=10.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC III 08 19 51 35.9–.51 45.41N 24.35E 10 2.2
¶14544160
BUC Event type ke. Error ellipse: s-maj=10.5km s-min=3.2km az=10.0.
BUC III 13 14 10 43.8–2.9 45.45N 26.48E 153–26 3.0
CSEM III 13 14 10 43.8 45.45N 26.48E 153 3.0 **¶14544240**
BUC Event type ke. Error ellipse: s-maj=36.4km s-min=12.3km az=18.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC III 15 19 32 09.3–.50 45.30N 27.28E 9–8 2.1
¶14544264
BUC Event type ke. Error ellipse: s-maj=7.8km s-min=4.2km az=31.0.
ISC III 15 19 37 47.9–.85 45.23N–.02 27.20E–.02 14–6 128 0-24
IDC III 15 19 37 45.8–1.7 45.33N 27.37E 0 3.8b,3.4 **¶12703373**
ISCJB III 15 19 37 47.9–.46 45.28N–.03 27.23E–.03 8–3 3.6b,3.4
BUC III 15 19 37 47.6–.45 45.25N 27.22E 11–5 3.8,3.4
CSEM III 15 19 37 48.0–.16 45.25N 27.22E 10 3.8,3.4

ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=9.9km az=160.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=30.3.
BUC Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=46.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=31.0.
BUC III 15 21 59 37.1–.73 45.50N 27.95E 15–2 2.2
¶14544267

BUC Event type ke. Error ellipse: s-maj=12.9km s-min=1.8km az=46.0.
ISC III 18 22 20 41.2–1.3 45.59N–.03 26.57E–.02 138–6 175 0-4
ISCJB III 18 22 20 41.7–.58 45.56N–.03 26.57E–.04 131–4 **¶14544313**
BUC III 18 22 20 41.5–1.4 45.61N 26.56E 136–14 3.5
CSEM III 18 22 20 42.2–.25 45.57N 26.56E 127–2 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=170.7.
BUC Event type ke. Error ellipse: s-maj=9.4km s-min=8.6km az=323.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=169.0.
BUC III 19 11 59 57.4–1.5 46.03N 25.81E 25 2.5
¶14544334

BUC Event type ke. Error ellipse: s-maj=15.1km s-min=6.0km az=340.0.
ISC III 21 22 08 56.9–.86 45.36N–.03 26.24E–.02 143–5 3.4b 203 0-47
ISCJB III 21 22 08 56.6–.43 45.34N–.03 26.26E–.03 136–3 3.4b **¶12635227**
BUC III 21 22 08 56.6–.70 45.35N 26.24E 143–6 4.3
IDC III 21 22 08 56.9–.77 45.61N 26.00E 136–4 3.2b,3.0
CSEM III 21 22 08 57.1–.23 45.33N 26.24E 134–2 4.3,3.0
SOF III 21 22 09 01.7 45.10N 26.20E 39 3.2,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.8km az=17.2.
BUC Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=347.0.
IDC Error ellipse: s-maj=42.7km s-min=12.7km az=122.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=27.0.
BUC III 23 13 27 18.9–.92 45.84N 26.48E 76–8 2.1
¶14544399

BUC Event type ke. Error ellipse: s-maj=25.9km s-min=4.6km az=329.0.
ISC III 27 23 07 41.8–1.5 45.27N–.09 23.99E–.03 12–8 28 0-2
ISCJB III 27 23 07 41.9–1.2 45.24N–.07 23.96E–.05 7–6 **¶14544461**
BUC III 27 23 07 42.1–1.4 45.31N 23.99E 12–6 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=5.1km az=10.4.
BUC Event type ke. Error ellipse: s-maj=20.4km s-min=5.1km az=14.0.
BUC III 31 11 24 03.8–.12 45.26N 25.07E 5 2.0
¶14544514

BUC Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=18.0.
ISC III 31 13 09 51.6–1.1 46.56N–.02 21.25E–.02 8–10 79 1-3
CSEM III 31 13 09 51.9–.20 46.55N 21.26E 2 2.9 **¶14544515**
BUC III 31 13 09 52.0–1.0 46.50N 21.29E 10 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=4.0.
BUC Event type ke. Error ellipse: s-maj=11.4km s-min=10.5km az=60.0.
BUC IV 02 14 02 31.4–1.5 45.67N 26.46E 151–12 3.5
CSEM IV 02 14 02 31.4 45.67N 26.46E 151 3.5 **¶14693656**
BUC Event type ke. Error ellipse: s-maj=12.7km s-min=8.9km az=325.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC IV 03 03 47 42.2–1.1 45.42N 26.26E 130–9 3.3
CSEM IV 03 03 47 42.2 45.42N 26.26E 130 3.3 **¶14693682**
BUC Event type ke. Error ellipse: s-maj=7.9km s-min=5.7km az=135.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC IV 06 18 25 32.0–1.6 45.76N 26.70E 133–12 2.8
CSEM IV 06 18 25 32.0 45.76N 26.70E 133 2.8 **¶14693852**
BUC Event type ke. Error ellipse: s-maj=25.2km s-min=13.7km az=55.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC IV 11 22 32 59.8–1.5 45.82N 26.71E 76–15 2.5
CSEM IV 11 22 32 59.8 45.82N 26.71E 76 2.5 **¶14694123**
BUC Event type ke. Error ellipse: s-maj=13.9km s-min=8.4km az=355.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC IV 12 14 49 34.3–.92 45.42N 24.30E 8–7 3.3
CSEM IV 12 14 49 34.7–.18 45.42N 24.30E 5 3.3 **¶14694152**
BUC Event type ke. Error ellipse: s-maj=7.1km s-min=5.5km az=28.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=174.0.
ISC IV 12 16 51 38.9–.56 45.72N–.02 26.57E–.02 145–4 3.5b 316 0-68
ISCJB IV 12 16 51 37.9–.22 45.70N–.02 26.60E–.03 142–2 3.5b **¶12935079**
BUC IV 12 16 51 38.6–.91 45.70N 26.59E 144–8 4.5
MOS IV 12 16 51 38.0–.50 45.72N 26.57E 143 3.9b
IDC IV 12 16 51 38.8–.43 45.90N 26.24E 133–3 3.3,3.3b
CSEM IV 12 16 51 38.7–.10 45.70N 26.57E 138–1 4.0b,3.3b
SOF IV 12 16 51 39.5 45.63N 26.53E 133 3.3,3.3b
BEO IV 12 16 51 42.0–1.1 45.59N 25.88E 0 3.2L,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=146.4.
BUC Event type ke. Error ellipse: s-maj=7.4km s-min=6.1km az=323.0.
MOS Error ellipse: s-maj=10.1km s-min=7.7km az=79.7.
IDC Error ellipse: s-maj=18.4km s-min=8.8km az=131.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=151.0.
BEO Event type ke.
BUC IV 16 17 44 06.2–1.4 45.57N 26.60E 118–12 3.0
CSEM IV 16 17 44 06.2 45.57N 26.60E 118 3.0 **¶14694304**
BUC Event type ke. Error ellipse: s-maj=9.7km s-min=7.9km az=356.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC IV 17 12 39 06.0–.59 45.90N 21.21E 5 2.3
CSEM IV 17 12 39 05.3–.27 45.89N 21.10E 5 1.4L **¶14694340**
BEO IV 17 12 39 05.7–.99 45.92N 21.12E 0 1.4L
BUC Event type ke. Error ellipse: s-maj=5.9km s-min=2.6km az=103.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=154.0.
BEO Event type ke.
BUC IV 17 18 14 37.5–.68 45.41N 27.35E 11–9 2.1
¶14694341

BUC Event type ke. Error ellipse: s-maj=9.5km s-min=3.2km az=23.0.
BUC IV 23 11 56 18.2–1.1 45.59N 26.35E 154–9 3.5
CSEM IV 23 11 56 18.2 45.59N 26.35E 154 3.5 **¶14694584**
BUC Event type ke. Error ellipse: s-maj=9.3km s-min=6.4km az=323.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
ISC IV 25 17 18 48.9–.17 45.70N–.02 26.54E–.02 102–1 5.3b 2764 0-153
SFS IV 25 17 18 19.0 45.87N 29.47E 0 5.3b **¶13439087**
PRU IV 25 17 18 32.6 45.54N 28.13E 0 5.3
BJI IV 25 17 18 46.0 45.70N 26.40E 96 5.6b,5.3b
SZGRF IV 25 17 18 46.8 45.95N 26.94E 33 5.6b,5.3b
MOS IV 25 17 18 47.4–1.1 45.72N 26.58E 100 5.5b,5.3b
ISCJB IV 25 17 18 47.5–.10 45.648N–.01 26.54E–.01 101–1 5.3b,5.3b
TEH IV 25 17 18 48.0 45.69N 26.55E 96 5.3L,5.3b
IDC IV 25 17 18 48.7–.28 45.73N 26.45E 100–2 5.1,5.1
CSEM IV 25 17 18 48.6–.04 45.69N 26.56E 103 5.3b,5.2W
PDA IV 25 17 18 48.5 45.68N 26.53E 101 5.3b,5.2W
BUC IV 25 17 18 48.0–.63 45.68N 26.62E 110–7 5.7,5.2W
PDG IV 25 17 18 48.6–.47 45.61N 26.52E 95–1 5.3,5.2L
NEIC IV 25 17 18 48.6 45.65N 26.61E 101 5.3b,5.2W
DJA IV 25 17 18 49.1–2.6 46N–11 26E–15 97–18 5.6b,5.2b
GCMT IV 25 17 18 50.8–.20 45.59N 26.71E 107–1 5.2W,5.2b
BEO IV 25 17 18 50.6–.85 45.52N 26.04E 0 5.4L,5.2b
ISC Event type fe.
SFS Event type ke.
SZGRF Romania.
MOS Event type fe. Error ellipse: s-maj=3.6km s-min=2.6km az=37.0. Felt (V) at Kishinev. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=26.0.
IDC Error ellipse: s-maj=8.7km s-min=6.9km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=40.0.
BUC Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=334.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.1km az=0.0.

NEIC Event type fe. Felt [III] at Bucharest, Tulcea and Voluntari; [II] at Craiova, Slatina and Vaslui. Also felt at Adjud, Alexandria, Bucov, Caracal, Chiajna, Corbeanca, Gheorgheni, Giurgiu, Miercurea-Ciuc and Suceava. Felt [IV] at Shumen, Svishtov and Tutrakan; [III] at Belene, Isperikh, Levski, Lom, Pleven, Silistra, Varna, Veliko Turnovo and Vidin; [II] at Burgas, Sofia and Ruse, Bulgaria. Also felt at Dve Mogili, Gabrovo, Kozloduy, Razgrad, Sliven and Stara Zagora. Felt at Basarabeasca and Chisinau, Moldova; Bor, Serbia; Ismayil, Ukraine. After BUC. Moment Tensor Solution. s24 Moment tensor: Scale 10^{16}Nm; M_{rr}7.65 $M_{\theta\theta}$-6.52 $M_{\phi\phi}$-1.13 $M_{r\theta}$2.02 $M_{\theta\phi}$-0.95 $M_{\phi r}$-1.67 Best double couple: NP1:ϕ_s249.00000°,δ39.00000°,λ71.00000°. NP2:ϕ_s93.00000°,δ53.00000°,λ105.00000°. Principal axes: T 8.2700,Plg76.0000°,Azm52.0000°; N -1.3800,Plg11.0000°,Azm264.0000° ; P -6.8900,Plg7.0000°,Azm172.0000° $M_0$7.70000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 100 sta. Moment Tensor Solution. s79,c109; s99,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}9.11±.15 $M_{\theta\theta}$-5.98±.20; $M_{\phi\phi}$-3.12±.19; $M_{r\theta}$0.91±.18; $M_{\theta\phi}$-2.69±.17; $M_{\phi r}$-1.44±.16; Best double couple: NP1: ϕ_s230.00000°,δ46.00000°,λ77.00000°. NP2:ϕ_s68.00000°,δ46.00000°,λ102.00000°. Principal axes: T 9.3800,Plg81.0000°,Azm58.0000°; N -1.7700,Plg9.0000°,Azm239.0000° ; P -7.6000,Plg0.0000°,Azm149.0000° $M_0$8.50000×10^{16}
BEO Event type ke.
ISC IV 26 23 19 14.9–1.2 45.69N–.03 26.60E–.02 114–5 149 0-5
BEO IV 26 23 19 13.1–3.8 45.89N 27.10E 0 2.9L **¶14694678**
ISCJB IV 26 23 19 15.6–.52 45.69N–.02 26.63E–.03 105–4 2.9L
BUC IV 26 23 19 15.9–.78 45.69N 26.64E 104–8 4.0
CSEM IV 26 23 19 16.6–.09 45.69N 26.63E 100 4.0
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=160.3.
BUC Event type ke. Error ellipse: s-maj=5.9km s-min=5.1km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=172.0.
BUC IV 28 05 19 15.9–1.4 45.86N 26.94E 67–14 3.5
CSEM IV 28 05 19 15.9 45.86N 26.94E 67 3.5 **¶14694773**
BUC Event type ke. Error ellipse: s-maj=13.3km s-min=7.4km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC IV 28 12 00 08.8–.65 45.98N 25.79E 45 2.6
¶14694775

BUC Event type ke. Error ellipse: s-maj=10.8km s-min=3.7km az=353.0.
BUC V 01 14 04 51.3–1.1 45.53N 26.47E 128–9 3.6
CSEM V 01 14 04 51.3 45.53N 26.47E 128 3.6 **¶14784863**
BUC Event type ke. Error ellipse: s-maj=7.0km s-min=5.4km az=124.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
ISC V 07 23 58 33.4–1.2 44.43N–.03 26.43E–.03 7–12 31 1-4
BUC V 07 23 58 31.9–.66 44.36N 26.38E 5 2.9 **¶14784976**
SOF V 07 23 58 31.8 44.46N 26.41E 4 2.7
ISCJB V 07 23 58 32.8–.72 44.37N–.03 26.40E–.05 1–7 2.7
ISC Event type ke.
BUC Event type ke.
ISCJB Event type ke.
BUC V 09 09 00 29.9–1.0 45.49N 26.27E 125–9 3.5
CSEM V 09 09 00 29.9 45.49N 26.27E 125 3.5 **¶14785017**
BUC Event type ke. Error ellipse: s-maj=7.1km s-min=5.6km az=320.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
ISC V 12 01 15 13.1–.55 45.55N–.03 26.39E–.02 132–4 3.8b 447 0-70
THE V 12 01 15 10.6 45.62N 26.29E 144–9 3.8b **¶12824858**
MOS V 12 01 15 11.4–1.1 45.54N 26.40E 117 4.1b
BUC V 12 01 15 12.1–.73 45.55N 26.39E 134–8 4.9
CSEM V 12 01 15 12.6–.08 45.57N 26.42E 126–1 3.8b
IDC V 12 01 15 13.1–.40 45.54N 26.22E 124–3 3.5,3.4
SOF V 12 01 15 15.4 45.19N 26.22E 18 3.6,3.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=9.3km s-min=1.6km az=33.0.
MOS Error ellipse: s-maj=7.0km s-min=5.1km az=130.8.
BUC Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=12.0.
IDC Error ellipse: s-maj=15.4km s-min=11.2km az=153.0.
ISC V 16 10 26 36.0–1.2 45.18N–.03 22.32E–.03 3–11 33 1-2
BUC V 16 10 26 35.4–1.5 45.15N 22.34E 10 2.5 **¶14725573**
BEO V 16 10 26 36.4–.38 45.19N 22.28E 1–4 1.7L
CSEM V 16 10 26 36.1–.36 45.20N 22.32E 2 1.7L
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=15.6km s-min=5.2km az=17.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=5.3km az=84.0.
BUC V 17 00 10 13.0–1.4 45.70N 26.56E 70 2.5
¶14785138

BUC Event type ke. Error ellipse: s-maj=24.7km s-min=11.5km az=14.0.
ISC V 23 04 05 14.1–1.1 46.60N–.02 21.19E–.02 19–3 118 1-6
CSEM V 23 04 05 12.8–.16 46.67N 21.22E 2 2.7L **¶12862086**
PRU V 23 04 05 14.9 46.59N 21.16E 18 2.7L
BEO V 23 04 05 17.7–.84 46.42N 21.04E 3–4 2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=47.0.
BEO Event type ke.
ISC V 27 00 35 22.1–1.0 45.13N–.02 22.93E–.02 8–9 58 1-3
ISCJB V 27 00 35 20.8–.55 45.11N–.02 22.92E–.03 0–5 **¶14725634**
BUC V 27 00 35 21.9–1.1 45.17N 22.93E 10–5 2.8
CSEM V 27 00 35 21.5–.18 45.11N 22.93E 2 1.7L
BEO V 27 00 35 22.9–.41 45.13N 22.91E 10–2 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=38.2.
BUC Event type ke. Error ellipse: s-maj=8.9km s-min=4.0km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=125.0.
BEO Event type ke.
ISC V 27 03 12 51.0–.47 45.68N–.03 26.51E–.02 149–4 3.9b 566 0-84
KISR V 27 03 12 30.8–3.0 47.62N 27.60E 0 4.9b **¶13193131**
ISCJB V 27 03 12 49.9–.13 45.68N–.01 26.53E–.02 149–1 3.9b
CSEM V 27 03 12 50.7–.07 45.69N 26.51E 146–1 4.1b
BUC V 27 03 12 50.5–1.1 45.69N 26.49E 152–10 4.9
MOS V 27 03 12 50.1–.87 45.69N 26.52E 149 4.0b
IDC V 27 03 12 50.6–.44 45.74N 26.37E 138–4 3.6,3.5
SOF V 27 03 12 50.5 45.56N 26.35E 8 3.6,3.5
BEO V 27 03 12 54.2–1.4 45.62N 26.43E 101–0 3.9L,3.5
ISC Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=19.5.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=3.0.
BUC Event type ke. Error ellipse: s-maj=8.1km s-min=7.7km az=69.0.
MOS Error ellipse: s-maj=6.2km s-min=4.9km az=112.3.
IDC Error ellipse: s-maj=12.2km s-min=9.3km az=135.0.
BUC V 27 13 10 44.5–.62 46.32N 25.30E 4–6 2.4
¶14785304

BUC Event type ke. Error ellipse: s-maj=5.2km s-min=3.0km az=319.0.
ISC V 29 00 30 51.9–1.5 45.75N–.03 26.69E–.03 134–8 121 0-2
ISCJB V 29 00 30 52.4–.78 45.72N–.03 26.72E–.05 128–5 **¶14785347**
BUC V 29 00 30 52.2–1.2 45.76N 26.67E 131–10 3.6
CSEM V 29 00 30 52.2 45.76N 26.67E 131 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=43.4.
BUC Event type ke. Error ellipse: s-maj=9.5km s-min=6.9km az=322.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC VI 02 02 03 17.8–1.3 45.71N 26.72E 135–10 2.8
¶15055739

BUC Event type ke. Error ellipse: s-maj=17.7km s-min=5.8km az=11.0.
BUC VI 08 08 06 59.8–.59 45.31N 25.13E 2 2.1
¶15055784

BUC Event type ke. Error ellipse: s-maj=9.1km s-min=4.1km az=127.0.
ISC VI 20 14 10 42.0–1.1 44.19N–.01 25.73E–.02 13–8 3.2b 257 0-39
SOF VI 20 14 10 39.7 44.29N 25.75E 2 3.2 **¶13681724**
THE VI 20 14 10 40.1 44.44N 25.80E 16–4 4.0L
IDC VI 20 14 10 40.1–1.2 44.17N 25.88E 0 3.4,3.4
ISCJB VI 20 14 10 42.0–.35 44.14N–.01 25.69E–.02 10–2 3.3b,3.4
CSEM VI 20 14 10 42.7–.09 44.19N 25.70E 12 3.9,3.4
BUC VI 20 14 10 42.4–.74 44.17N 25.72E 15–4 3.9,3.4

BEO VI 20 14 10 46.6–.85 44.13N 25.36E 11–6 3.6L,3.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=6.0km s-min=1.2km az=25.0.
IDC Error ellipse: s-maj=26.8km s-min=13.5km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=31.7.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=118.0.
BUC Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=339.0.
BEO Event type ke.
BUC VI 22 00 09 19.0–.79 45.71N 26.55E 150 2.9
CSEM VI 22 00 09 19.0 45.71N 26.55E 150 2.9 **¶15055867**
BUC Event type ke. Error ellipse: s-maj=29.6km s-min=10.9km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC VI 22 19 37 26.9–1.6 45.15N 25.87E 1–16 2.1
¶15055873
BUC Event type ke. Error ellipse: s-maj=12.4km s-min=4.3km az=343.0.
ISC VI 27 02 01 24.3–.73 45.80N–.02 26.74E–.02 91–4 3.6b 301 0-39
THE VI 27 02 01 21.8 45.94N 26.82E 32–28 3.7L **¶13682104**
ISCJB VI 27 02 01 23.1–.22 45.79N–.02 26.77E–.03 100–3 3.7b
CSEM VI 27 02 01 24.6–.12 45.80N 26.76E 89–2 4.3
BUC VI 27 02 01 24.3–.95 45.80N 26.75E 90–13 4.3
IDC VI 27 02 01 24.3–.63 46.02N 26.47E 76–9 3.5b,3.4
SOF VI 27 02 01 25.0 45.70N 26.58E 71 3.2,3.4
BEO VI 27 02 01 27.3–1.9 45.66N 26.58E 41–2 3.3L,3.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=28.4km s-min=2.5km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=145.6.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=53.0.
BUC Event type ke. Error ellipse: s-maj=7.2km s-min=4.9km az=110.0.
IDC Error ellipse: s-maj=25.5km s-min=11.4km az=117.0.
BEO Event type ke.

(359) Bulgaria.

ISC I 14 17 28 24.8–1.3 42.45N–.02 26.14E–.02 2–12 101 0-4
SOF I 14 17 28 24.1 42.47N 26.15E 9 2.7 **¶12854683**
CSEM I 14 17 28 26.0–.12 42.44N 26.03E 2 2.7
ISK I 14 17 28 27.2 42.27N 26.18E 5 3.1
BEO I 14 17 28 27.0–1.0 42.45N 25.84E 0 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=56.0.
BEO Event type ke.
ISC I 16 02 06 36.4–1.1 42.26N–.04 26.34E–.05 6 35 1-3
ISK I 16 02 06 35.7 42.26N 26.37E 5 3.0,2.5L **¶12854749**
ISCJB I 16 02 06 36.6–1.0 42.30N–.09 26.34E–.09 6 3.0,2.5L
CSEM I 16 02 06 36.4–.23 42.30N 26.34E 2 3.0,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=7.9km az=32.9.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.0km az=22.0.
ISC I 16 03 54 17.9–1.1 42.21N–.02 26.19E–.02 7–10 92 0-4
CSEM I 16 03 54 18.4–.10 42.22N 26.19E 2 2.6L **¶12854747**
ISK I 16 03 54 19.0 42.09N 26.29E 5 3.3
THE I 16 03 54 19.8 42.22N 26.50E 23–19 2.6L
SKO I 16 03 54 22.0 42.58N 25.97E 0 2.6L
DDA I 16 03 54 26.3 41.60N 26.11E 5 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=33.0.
THE Event type ke. Error ellipse: s-maj=24.1km s-min=0.6km az=34.0.
DDA Event type ke.
ISC I 23 16 43 25.0–1.3 42.21N–.03 26.29E–.02 3–12 74 0-5
ISCJB I 23 16 43 25.9–.69 42.19N–.04 26.24E–.04 6–6 **¶12854923**
SOF I 23 16 43 25.6 42.21N 26.26E 15 2.6
CSEM I 23 16 43 26.0–.10 42.19N 26.24E 2 2.9
BEO I 23 16 43 26.7–.99 42.36N 26.26E 0 3.0L
ISK I 23 16 43 30.6 41.91N 26.52E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=37.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=37.0.
BEO Event type ke.
ISC II 04 01 43 19.8–1.2 42.17N–.04 23.68E–.03 3–11 32 1-2
CSEM II 04 01 43 19.6–.15 42.18N 23.68E 2 2.5L **¶14189255**
THE II 04 01 43 20.0 42.17N 23.72E 1–2 2.5L
SKO II 04 01 43 20.1 42.22N 23.65E 0 2.5L
BEO II 04 01 43 22.8–.84 43.01N 23.83E 12–5 2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=14.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.8km az=332.0.
BEO Event type ke.
ISC II 04 13 31 17.6–.93 42.63N–.01 23.95E–.01 12–8 170 0-6
SOF II 04 13 31 17.4 42.59N 23.98E 17 3.0 **¶14189262**
BEO II 04 13 31 18.8–.54 42.62N 24.00E 4–5 3.1L
SKO II 04 13 31 18.2 42.67N 24.05E 8 3.1L
CSEM II 04 13 31 18.5–.10 42.60N 23.99E 2 3.0
THE II 04 13 31 19.4 42.57N 24.05E 3–0 3.6L
ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=92.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=359.0.
ISC II 07 18 39 28.7–1.0 42.82N–.01 25.22E–.01 5–8 3.4b 297 0-70
ISCJB II 07 18 39 27.9–.43 42.78N–.01 25.19E–.02 4–3 3.3b **¶12699742**
SOF II 07 18 39 27.6 42.85N 25.19E 10 3.4
THE II 07 18 39 28.3 42.86N 25.28E 0–2 3.7L
NEIC II 07 18 39 29.3 42.77N 25.23E 2 3.8L,3.7L
BEO II 07 18 39 29.1–.43 42.87N 25.24E 8–4 3.6L,3.7L
CSEM II 07 18 39 29.1–.11 42.77N 25.14E 2 3.4,3.7L
IDC II 07 18 39 33.3–3.1 42.88N 25.34E 35–27 3.3,3.2
DDA II 07 18 39 47.8 41.99N 26.34E 65 3.3,3.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=154.9.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=12.0.
NEIC Event type fe. Felt in the Gabrovo area. After CSEM.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=117.0.
IDC Error ellipse: s-maj=22.7km s-min=16.8km az=102.0.
DDA Event type ke.
ISC III 09 17 19 00.1–1.1 42.59N–.02 26.95E–.02 4–10 106 0-5
SOF III 09 17 18 59.5 42.59N 27.01E 15 3.0 **¶14547665**
CSEM III 09 17 19 00.9–.26 42.60N 26.90E 2 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.7km az=150.0.
ISC III 17 17 36 22.2–1.0 42.21N–.02 26.22E–.02 7–9 142 0-5
ISK III 17 17 36 22.3 42.08N 26.21E 3 3.2 **¶13436549**
THE III 17 17 36 22.2 42.22N 26.21E 0–3 2.7L
SOF III 17 17 36 22.1 42.22N 26.20E 10 2.7
CSEM III 17 17 36 22.3–.09 42.19N 26.24E 2 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=1.5km az=16.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=3.0.
BEO III 20 13 17 16.2–.43 42.53N 23.08E 0 1.6L
¶14702149
BEO Event type ke.
ISC III 25 22 57 14.8–.00 42.01N–.02 24.15E–.02 10–10 62 0-12
ISCJB III 25 22 57 14.6–.53 42.01N–.02 24.18E–.03 9–5 **¶14190592**
CSEM III 25 22 57 14.7–.16 42.01N 24.16E 2 1.8L
THE III 25 22 57 14.6 42.01N 24.12E 7–2 2.2L
SOF III 25 22 57 14.0 42.01N 24.15E 16 2.5
BEO III 25 22 57 17.0–.81 42.10N 24.17E 0 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=149.6.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=162.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=79.0.
BEO Event type ke.
ISC V 08 20 50 46.5–1.6 42.05N–.04 25.51E–.03 2–14 49 1-4
BEO V 08 20 50 44.7–1.5 41.92N 25.57E 0 2.1L **¶13839423**
CSEM V 08 20 50 46.9–.16 42.11N 25.49E 2 3.0
ISK V 08 20 50 48.2 42.04N 25.64E 6 3.0
ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.2km az=35.0.
ISC V 11 03 23 15.0–.74 42.13N–.02 26.24E–.02 10 87 0-4
ISK V 11 03 23 15.9 41.97N 26.35E 5 3.3 **¶13839523**
THE V 11 03 23 15.1 42.31N 26.45E 32–4 2.6L
CSEM V 11 03 23 16.0–.17 42.04N 26.24E 2 2.8
ISCJB V 11 03 23 17.2–.40 41.99N–.03 26.27E–.04 10 2.8
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 14 22 22 09.6–1.1 42.18N–.01 26.25E–.01 2–9 233 0-5
THE V 14 22 22 08.8 42.46N 26.52E 31–27 3.0L **¶13839695**
SOF V 14 22 22 09.6 42.22N 26.23E 13 2.7
BEO V 14 22 22 10.4–.57 42.23N 26.18E 0 2.8L
CSEM V 14 22 22 10.3–.09 42.18N 26.18E 2 3.5
DDA V 14 22 22 13.2 42.00N 26.33E 31 3.3
ISK V 14 22 22 15.3 41.85N 26.48E 7 3.5
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=27.9km s-min=1.2km az=1.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=26.0.
DDA Event type ke.
ISC V 14 22 40 49.1–1.1 42.17N–.02 26.24E–.02 5–9 136 0-8
THE V 14 22 40 48.8 42.54N 26.06E 0–9 2.6L **¶13839696**
SOF V 14 22 40 49.3 42.22N 26.25E 14 2.5
BEO V 14 22 40 49.4–.71 42.14N 26.25E 0 2.5L
DDA V 14 22 40 49.6 42.27N 26.78E 20 3.1
CSEM V 14 22 40 50.5–.10 42.09N 26.14E 2 3.3
ISK V 14 22 40 53.0 41.90N 26.43E 5 3.3
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=25.2km s-min=1.1km az=353.0.
BEO Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=31.0.
ISC V 19 16 49 05.4–1.1 42.17N–.02 26.25E–.02 4–9 153 0-8
THE V 19 16 49 05.4 42.16N 26.36E 0–2 3.3L **¶13839887**
SOF V 19 16 49 05.5 42.26N 26.20E 5 3.2
CSEM V 19 16 49 05.7–.12 42.20N 26.21E 2 3.3
ISK V 19 16 49 08.9 41.95N 26.39E 6 3.3
DDA V 19 16 49 12.9 41.70N 26.26E 28 3.1
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=113.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=25.0.
DDA Event type ke.
ISC V 30 08 03 10.9–1.1 42.37N–.02 23.72E–.02 5–9 90 0-4
SOF V 30 08 03 10.1 42.36N 23.75E 20 2.8 **¶14302794**
CSEM V 30 08 03 10.8–.15 42.40N 23.72E 2 2.8
BEO V 30 08 03 11.2–.40 42.37N 23.73E 10–3 2.2L
THE V 30 08 03 12.4 42.31N 23.64E 0–3 2.8L
SKO V 30 08 03 13.5 42.28N 23.72E 2 2.7L,2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=57.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=1.8km az=340.0.
ISC VI 15 12 52 44.4–1.7 43.3N–.10 27.5E–.10 3–23 6 0-2
SOF VI 15 12 52 44.4 43.21N 27.57E 2 2.6 **¶14785552**
ISC Event type ke.
ISC VI 25 20 17 17.4–.90 42.55N–.02 24.31E–.02 10–7 170 0-7
THE VI 25 20 17 16.5 42.58N 24.27E 0–1 3.0L **¶13841485**
CSEM VI 25 20 17 16.8–.12 42.54N 24.29E 2 3.1
SOF VI 25 20 17 17.2 42.57N 24.29E 15 3.1
BEO VI 25 20 17 17.1–.29 42.60N 24.34E 0 3.1L
ISK VI 25 20 17 34.3 42.08N 25.65E 5 3.5
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=64.0.
BEO Event type ke.

(360) Black Sea.

ISC II 18 09 44 10.5–.81 43.93N–.02 31.64E–.02 4–5 4.0b 203 2-115
MOS II 18 09 44 11.9–.96 44.02N 31.67E 10 4.2b **¶12701122**
IDC II 18 09 44 11.8–.79 43.92N 31.69E 0 3.8,3.7
DDA II 18 09 44 13.2 43.76N 31.58E 16 4.4,3.7
CSEM II 18 09 44 15.4–.09 43.95N 31.63E 30 3.9b,3.7
ISC Event type ke.
MOS Error ellipse: s-maj=6.8km s-min=6.1km az=6.4.
IDC Error ellipse: s-maj=17.7km s-min=10.7km az=14.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=9.0.
ISC III 14 18 42 19.8–2.0 42.9N–.10 39.86E–.06 10 14 2-4
¶16525153
ISC Event type ke.
ISK III 25 03 09 29.9 42.70N 35.91E 8 3.5
CSEM III 25 03 09 29.9 42.70N 35.91E 8 3.5 **¶13437230**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISK V 20 07 36 13.3 42.99N 36.37E 33 3.6
CSEM V 20 07 36 13.3 42.99N 36.37E 33 3.6 **¶13839902**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VI 15 09 15 43.5–3.4 43.95N–.05 29.0E–.20 10 15 0-1
BUC VI 15 09 15 44.3–.48 43.96N 28.96E 10–1 2.7 **¶14785551**
SOF VI 15 09 15 45.1 43.97N 28.91E 15 2.7
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=4.2km s-min=0.9km az=100.0.
BUC VI 23 09 00 11.0–.72 43.23N 28.21E 0 3.1
¶15055876
BUC Event type ke. Error ellipse: s-maj=9.5km s-min=3.7km az=112.0.
ISC VI 26 01 34 01.2–1.4 42.34N–.03 30.21E–.04 24–15 112 1-6
DDA VI 26 01 34 01.0 42.07N 30.31E 8 3.3L,3.2 **¶13841541**
ISK VI 26 01 34 02.6 42.34N 30.15E 32 3.4L,3.2
CSEM VI 26 01 34 02.4–.15 42.33N 30.16E 20 3.4L,3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.6km az=62.0.

(361) Crimea region.

ISC IV 11 00 09 09.8–1.4 44.04N–.04 34.16E–.03 14–9 3.3b 117 0-71
IDC IV 11 00 09 08.6–.91 44.06N 34.22E 0 3.4,3.3b **¶12935061**
MOS IV 11 00 09 09.5–.80 44.12N 34.06E 12 3.7b,3.3b
ISCJB IV 11 00 09 10.6–.50 44.07N–.02 34.09E–.03 33–4 3.2b,3.3b
CSEM IV 11 00 09 11.5–.16 44.10N 34.13E 20 3.7b,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=9.3km az=15.0.
MOS Error ellipse: s-maj=8.8km s-min=7.2km az=96.3.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=19.3.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=25.0.
ISC IV 12 16 31 41.2–.70 44.09N–.03 34.13E–.03 20–3 4.0b,3.0s 457 0-88
BJI IV 12 16 31 38.6 44.10N 34.10E 20 5.0b,4.6s **¶13438439**
MOS IV 12 16 31 39.3–1.2 44.16N 34.17E 14 4.2b,4.6s
IDC IV 12 16 31 39.2–.59 44.16N 34.25E 0 3.9,3.9b
ISCJB IV 12 16 31 40.7–.36 44.10N–.01 34.08E–.02 31–3 4.0b,3.3s
NEIC IV 12 16 31 41.9–.85 44.16N 34.23E 20–6 4.2b,3.3s
CSEM IV 12 16 31 42.1–.27 44.14N 34.14E 23–2 4.0b,2.6s
ATH IV 12 16 32 53.5 41.33N 27.69E 93–2 4.0b,2.6s
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=5.7km s-min=4.9km az=99.8. Felt (III) at Yalta, (II-III) at Simeiz. Moment Tensor Solution.

IDC Error ellipse: s-maj=13.0km s-min=7.7km az=16.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.0km az=5.6.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.9km az=182.0. Felt [III] at Simeiz and Yalta.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=9.0.
ATH Error ellipse: s-maj=1.5km s-min=2.0km az=-1.0.
ISC IV 18 00 42 19.3–1.1 44.34N–.04 34.30E–.03 14–7 3.5b 153 0-71
MOS IV 18 00 42 17.7–1.1 44.36N 34.19E 10 3.9b ¶12935592
ISCJB IV 18 00 42 18.8–.34 44.34N–.02 34.28E–.03 25–4 3.3b
CSEM IV 18 00 42 19.5–.14 44.35N 34.34E 10 3.9b
IDC IV 18 00 42 23.0–2.6 44.34N 34.19E 36–26 3.3,3.2
ISC Event type ke.
MOS Error ellipse: s-maj=11.2km s-min=7.2km az=85.7.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=171.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=15.0.
IDC Error ellipse: s-maj=16.0km s-min=14.8km az=80.0.
ISC VI 21 19 36 53.9–1.0 44.12N–.03 34.16E–.04 29–10 75 0-33
MOS VI 21 19 36 52.7–3.1 44.17N 34.35E 22 4.1b ¶13681804
CSEM VI 21 19 36 52.7 44.17N 34.35E 22 4.1b
IDC VI 21 19 36 53.1–1.6 44.34N 34.21E 0 3.3b,3.1
ISC Event type ke.
MOS Error ellipse: s-maj=11.7km s-min=8.6km az=96.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
IDC Error ellipse: s-maj=19.0km s-min=16.0km az=21.0.

(362) Western Caucasus.

ISC I 15 06 49 28.7–.88 43.27N–.02 44.88E–.02 10–6 101 0-22
ISCJB I 15 06 49 27.2–.43 43.35N–.02 44.95E–.03 8–3 ¶12698880
TIF I 15 06 49 27.8 43.31N 44.83E 20–4
NNC I 15 06 49 27.5–4.9 43.72N 45.03E 0 3.9,3.5b
MOS I 15 06 49 28.6–1.1 43.26N 44.78E 12 4.2b,3.5b
CSEM I 15 06 49 28.0–.24 43.28N 44.93E 5 4.2b,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=16.6.
NNC Error ellipse: s-maj=97.3km s-min=15.7km az=169.0.
MOS Error ellipse: s-maj=7.4km s-min=6.2km az=117.8.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=12.0.
MOS I 22 10 29 45.1–.23 43.18N 44.79E 17 4.1b ¶13962437
MOS Error ellipse: s-maj=77.2km s-min=14.0km az=30.5.
MOS II 09 05 41 35.6–1.4 44.23N 42.46E 8 3.8b
CSEM II 09 05 41 35.6 44.23N 42.46E 8 3.8b ¶13970625
MOS Error ellipse: s-maj=24.2km s-min=8.7km az=119.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC II 14 18 41 33.3–3.2 42.6N–.20 43.53E–.04 10–16 24 1-3
CSEM II 14 18 41 32.1–1.3 42.66N 43.67E 10 3.1 ¶15133266
DDA II 14 18 41 36.2 42.85N 42.59E 11 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=33.4km s-min=10.7km az=5.0.
DDA Event type ke.
ISC II 21 19 14 28.9–1.1 42.42N–.01 43.68E–.02 2–8 3.3b 165 0-47
IDC II 21 19 14 28.6–.78 42.39N 43.48E 0 3.6,3.6L ¶12701457
TIF II 21 19 14 28.5 42.43N 43.74E 13–2 3.6,3.6L
MOS II 21 19 14 29.4–1.2 42.41N 43.72E 13 4.2b,3.6L
CSEM II 21 19 14 30.0–.12 42.47N 43.67E 2 4.2b,3.6L
AZER II 21 19 14 31.6 42.79N 44.05E 0 4.2b,3.6L
ISK II 21 19 14 31.0 42.39N 43.55E 4 3.4L,3.6L
DDA II 21 19 14 36.0 42.33N 43.21E 11 3.4,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=16.0km s-min=8.9km az=71.0.
MOS Error ellipse: s-maj=11.1km s-min=5.2km az=82.4.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=118.0.
DDA Event type ke.
ISC II 22 17 04 52.8–1.1 42.48N–.05 43.51E–.05 5–11 22 0-2
TIF II 22 17 04 51.5 42.53N 43.53E 15–2 ¶14359421
DDA II 22 17 04 52.8 42.18N 43.68E 6 3.1
CSEM II 22 17 04 52.6–.25 42.53N 43.54E 10 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=1.8km az=3.0.
ISC II 25 10 06 46.6–2.4 41.36N–.10 44.65E–.06 6–13 40 0-2
CSEM II 25 10 06 47.1–.62 41.35N 44.51E 2 3.9b ¶14012078
MOS II 25 10 06 49.3–.51 41.50N 44.74E 13 3.9b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=9.4km az=80.0.
MOS Error ellipse: s-maj=71.6km s-min=9.5km az=101.5.
ISC II 26 04 21 31.5–4.1 42.3N–.20 41.9E–.30 35 10 1-1 ¶16409037
ISC Event type ke.
ISC II 27 13 49 21.2–.89 43.01N–.02 44.08E–.02 13–8 46 0-1
MOS II 27 13 49 20.5–.73 42.98N 44.08E 9 3.9b ¶14012081
CSEM II 27 13 49 20.0 42.98N 44.08E 9 3.9b
ISCJB II 27 13 49 21.7–.41 43.02N–.02 44.03E–.03 1–10 3.9b
ISC Event type ke.
CSEM After OBN.
ISCJB Event type ke.
ISC III 17 12 58 24.6–4.0 42.5N–.30 42.1E–.30 35 9 1-2 ¶16525155
ISC Event type ke.
ISC III 23 02 46 35.6–2.3 44.94N–.05 37.53E–.03 17–16 3.2b 64 0-71
IDC III 23 02 46 34.6–.88 44.80N 37.44E 0 3.6,3.5 ¶12635351
MOS III 23 02 46 35.6–1.3 45.20N 37.65E 16 4.0b,3.5
CSEM III 23 02 46 37.3–.24 45.13N 37.60E 15 4.0b,3.5
NNC III 23 02 46 44.0–16 45.84N 38.59E 0 3.4,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=17.8km s-min=9.1km az=29.0.
MOS Error ellipse: s-maj=10.8km s-min=8.2km az=125.7.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=5.6km az=15.0.
NNC Error ellipse: s-maj=153.2km s-min=87.4km az=79.0.
ISC III 29 11 01 54.4–1.1 42.55N–.02 43.00E–.02 11–10 81 0-3
TIF III 29 11 01 53.9 42.57N 43.02E 19–2 ¶14200380
CSEM III 29 11 01 54.1–.12 42.55N 42.98E 2 3.9b
MOS III 29 11 01 55.0–.55 42.56N 43.10E 9 3.9b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=97.0.
MOS Error ellipse: s-maj=12.2km s-min=9.0km az=73.6.
TIF IV 28 15 48 00.0 42.53N 43.55E 3–9 ¶14694729
ISC V 06 08 53 56.7–2.8 42.54N–.09 42.29E–.09 14–13 34 1-2
CSEM V 06 08 53 54.7–.86 42.65N 42.00E 10 2.8 ¶14761462
TIF V 06 08 53 58.0 42.55N 42.32E 17–5 2.8
DDA V 06 08 53 59.4 42.30N 41.30E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=20.4km s-min=8.1km az=150.0.
DDA Event type ke.
ISC V 14 08 27 44.9–1.0 41.39N–.02 44.03E–.02 5–9 85 0-6
NSSP V 14 08 27 38.6 41.28N 43.90E 11 2.9s ¶14264759
MOS V 14 08 27 44.7–1.9 41.21N 43.79E 27 4.3b
TIF V 14 08 27 45.2 41.40N 44.11E 15–1 4.3b
CSEM V 14 08 27 46.1–.16 41.37N 44.08E 2 2.9L
DDA V 14 08 27 47.3 41.60N 43.85E 7 3.0
ISC Event type ke.
MOS Error ellipse: s-maj=16.9km s-min=6.2km az=86.8.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.3km az=60.0.
DDA Event type ke.
ISC VI 02 09 20 23.9–1.0 41.39N–.02 44.20E–.02 4–10 100 0-3
MOS VI 02 09 20 23.4–1.2 41.34N 44.23E 9 4.1b ¶14302884
TIF VI 02 09 20 23.6 41.39N 44.28E 15–1 4.1b
NSSP VI 02 09 20 24.7 41.38N 44.23E 10 2.9s
CSEM VI 02 09 20 24.5–.21 41.41N 44.25E 2 2.9L
ISC Event type ke.
MOS Error ellipse: s-maj=14.8km s-min=5.9km az=90.2.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=94.0.
ISC VI 09 00 35 24.8–1.0 42.45N–.02 43.91E–.02 8–9 94 0-2
TIF VI 09 00 35 23.9 42.50N 43.97E 16–1 ¶14305865
MOS VI 09 00 35 25.1–1.3 42.46N 43.90E 11 3.9b
CSEM VI 09 00 35 25.1 42.46N 43.90E 11 3.9b
ISC Event type ke.
MOS Error ellipse: s-maj=12.1km s-min=5.3km az=86.6.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC VI 18 03 06 24.0–1.1 43.71N–.06 40.06E–.05 26–12 35 0-5
MOS VI 18 03 06 23.7–1.7 43.59N 40.35E 13 4.0b ¶14306224
CSEM VI 18 03 06 24.1–.37 43.71N 40.10E 20 4.0b
ISC Event type ke.
MOS Error ellipse: s-maj=61.3km s-min=16.4km az=164.6.
CSEM Event type ke. Error ellipse: s-maj=12.4km s-min=5.0km az=152.0.
DDA VI 29 11 27 54.1 42.57N 42.01E 7 2.9 ¶15137800
DDA Event type ke.

(363) Greece-Bulgaria border region.

ISC I 03 15 06 26.6–1.0 41.06N–.02 24.92E–.02 7–9 97 0-5
SOF I 03 15 06 25.7 41.05N 24.95E 10 2.9 ¶14188704
ATH I 03 15 06 25.8 41.10N 24.94E 21–4 3.3
CSEM I 03 15 06 26.5–.16 41.05N 24.93E 5 2.5L
THE I 03 15 06 26.7 41.05N 24.92E 2–0 2.5L
ISCJB I 03 15 06 26.4–.52 41.08N–.02 24.95E–.02 10–4 2.5L
ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.
ISC I 13 06 57 11.9–.94 41.64N–.02 24.05E–.02 13–8 72 0-2
SOF I 13 06 57 11.2 41.66N 24.04E 15 2.6 ¶14188891
THE I 13 06 57 12.3 41.62N 24.03E 13–0 2.2L
CSEM I 13 06 57 12.0–.21 41.62N 24.06E 2 2.6
BEO I 13 06 57 13.4–1.1 41.61N 24.03E 0 2.1L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=193.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=126.0.
BEO Event type ke.
ISC I 18 11 33 30.2–.97 41.01N–.04 24.63E–.02 6–7 37 0-1
ISCJB I 18 11 33 29.1–.00 41.11N–.06 24.64E–.04 7–6 ¶14188977
CSEM I 18 11 33 29.3–.20 41.06N 24.66E 5–0 1.9L
THE I 18 11 33 30.5 41.05N 24.60E 2–16 1.9L
ATH I 18 11 33 30.2 41.03N 24.64E 17 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.0km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.4km az=4.0.
THE Event type ke. Error ellipse: s-maj=16.7km s-min=0.4km az=202.0.
ATH Error ellipse: s-maj=2.9km s-min=0.9km az=-1.0.
ISC I 21 23 26 07.7–.92 41.19N–.03 23.19E–.02 10–8 52 0-3
CSEM I 21 23 26 07.5–.14 41.20N 23.19E 0–2 2.1L ¶14189029
THE I 21 23 26 07.7 41.18N 23.19E 1–1 2.1L
BEO I 21 23 26 09.7–1.1 41.27N 23.16E 0 2.0L
ATH I 21 23 26 10.3 41.05N 23.57E 5 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=42.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=359.0.
BEO Event type ke.
ISC I 30 06 45 10.2–1.1 41.18N–.02 23.20E–.03 7–11 45 0-4
ATH I 30 06 45 09.8 41.19N 23.19E 8–3 2.9 ¶14358641
SOF I 30 06 45 09.1 41.20N 23.18E 4 2.9
CSEM I 30 06 45 10.0–.29 41.17N 23.16E 2 2.9
BEO I 30 06 45 11.7–1.4 41.16N 23.22E 20–7 2.4L
ISC Event type ke.
ATH Error ellipse: s-maj=2.6km s-min=4.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.1km az=54.0.
BEO Event type ke.
ISC II 05 09 05 46.3–1.4 41.49N–.05 25.50E–.04 7–12 16 1-2
ATH II 05 09 05 47.3 41.41N 25.48E 7–3 3.0 ¶14358812
ISC Event type ke.
ATH Error ellipse: s-maj=6.1km s-min=3.0km az=-1.0.
ISC II 06 13 18 19.7–.95 41.56N–.02 23.48E–.02 11–7 107 0-4
SOF II 06 13 18 18.9 41.57N 23.48E 18 2.8 ¶14189314
ATH II 06 13 18 19.7 41.55N 23.55E 24–1 3.1
CSEM II 06 13 18 19.7–.11 41.56N 23.48E 10 2.8
THE II 06 13 18 19.7 41.57N 23.47E 8–0 2.9L
ISCJB II 06 13 18 19.0–.40 41.58N–.02 23.46E–.03 6–4 2.9L
BEO II 06 13 18 19.9–1.6 41.50N 23.35E 5–10 3.0L
SKO II 06 13 18 20.2 41.58N 23.44E 0 2.6L,2.2
ISC Event type ke.
ATH Error ellipse: s-maj=3.3km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=114.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=309.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=14.0.
BEO Event type ke.
ISC II 14 18 19 36.9–1.1 41.92N–.02 23.24E–.02 3–10 76 1-3
THE II 14 18 19 37.2 41.92N 23.27E 2–2 2.4L ¶14189497
SKO II 14 18 19 37.8 41.94N 23.28E 5 2.4L
CSEM II 14 18 19 37.0–.15 41.92N 23.25E 2 2.1L
BEO II 14 18 19 38.1–.70 41.95N 23.26E 0 2.1L
ATH II 14 18 19 38.0 41.80N 23.24E 19–0 3.5
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.1km az=293.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=64.0.
BEO Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
ISC II 22 22 08 51.4–1.2 41.70N–.02 24.25E–.02 0–12 47 0-4
THE II 22 22 08 51.9 41.67N 24.28E 1–2 2.2L ¶14189797
CSEM II 22 22 08 51.5–.19 41.70N 24.25E 2 2.2L
BEO II 22 22 08 53.2–1.1 41.80N 24.30E 0 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=318.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=65.0.
BEO Event type ke.
ISC II 23 23 01 08.2–1.1 41.70N–.02 23.78E–.02 3–10 90 0-4
SKO II 23 23 01 07.3 41.78N 23.92E 0 2.0L ¶14189824
ATH II 23 23 01 07.8 41.73N 23.81E 5–4 3.3
THE II 23 23 01 08.9 41.66N 23.77E 5–1 2.3L
CSEM II 23 23 01 08.7–.12 41.69N 23.77E 2 2.3L
BEO II 23 23 01 11.5–1.9 41.78N 23.74E 15–9 2.4L
ISC Event type ke.
ATH Error ellipse: s-maj=4.0km s-min=2.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=295.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=69.0.
BEO Event type ke.
ISC II 28 21 11 04.9–.84 41.90N–.02 23.12E–.02 17–6 83 0-4
BEO II 28 21 11 03.4–.87 41.82N 23.18E 6–4 2.4L ¶14189950
CSEM II 28 21 11 04.5–.16 41.91N 23.07E 10 2.7
THE II 28 21 11 04.8 41.89N 23.12E 6–2 2.6L
ISCJB II 28 21 11 04.0–.40 41.93N–.02 23.05E–.03 8–5 2.6L
SKO II 28 21 11 05.6 41.90N 23.07E 8 2.4L,2.1
SOF II 28 21 11 05.2 41.95N 23.21E 0 2.7,2.1
ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=58.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.0km az=287.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=151.3.
ISC III 09 06 17 56.3–.83 41.20N–.02 23.67E–.02 9–6 72 0-2
SOF III 09 06 17 54.3 41.10N 23.64E 2 2.8 ¶14190188
THE III 09 06 17 56.4 41.21N 23.67E 4–5 2.2L
CSEM III 09 06 17 56.3–.12 41.20N 23.68E 2 2.2L

SKO	III	09 06 17 56.8	41.22N	23.68E	0	1.9L,1.6		
ATH	III	09 06 17 56.0	41.25N	23.59E	4	2.9,1.6		
BEO	III	09 06 18 01.5–1.3	41.30N	23.51E	0	1.7L,1.6		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=5.3km s-min=0.6km az=117.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=127.0.							
ATH	Error ellipse: s-maj=6.6km s-min=7.0km az=-1.0.							
BEO	Event type ke.							
ISC	**III**	**09 06 33 32.8–1.1**	**41.20N–.02**	**23.65E–.02**	**3–10**		**52**	**0-2**
ATH	III	09 06 33 31.5	41.29N	23.55E	4	2.9		¶14190189
ISCJB	III	09 06 33 32.5–.45	41.20N–.02	23.63E–.04	0–11	2.9		
CSEM	III	09 06 33 32.6–.14	41.20N	23.66E	2	1.9L		
SKO	III	09 06 33 32.7	41.22N	23.68E	0	1.9L,1.5		
THE	III	09 06 33 32.5	41.21N	23.65E	3–1	1.9L,1.5		
BEO	III	09 06 33 36.2–1.0	41.22N	23.57E	0	1.6L,1.5		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=3.3km s-min=3.4km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=7.9.							
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=81.0.							
THE	Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=292.0.							
BEO	Event type ke.							
ISC	**III**	**20 13 10 36.5–.86**	**41.07N–.02**	**24.05E–.02**	**17–7**		**83**	**0-2**
SOF	III	20 13 10 34.7	40.98N	24.05E	16	2.5		¶14190541
ATH	III	20 13 10 36.2	41.07N	24.03E	22–11	3.0		
CSEM	III	20 13 10 36.5–.14	41.06N	24.05E	5	3.0		
THE	III	20 13 10 37.0	41.04N	24.04E	5–1	2.3L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=4.5km s-min=8.2km az=-1.0.							
CSEM	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=276.0.							
ISC	**IV**	**01 21 00 53.4–.84**	**41.18N–.02**	**23.03E–.02**	**9–6**		**80**	**0-2**
SOF	IV	01 21 00 53.2	41.19N	23.04E	3	2.6		¶14190751
THE	IV	01 21 00 53.7	41.18N	23.05E	2–1	2.2L		
CSEM	IV	01 21 00 53.6–.10	41.18N	23.05E	2	2.2L		
ATH	IV	01 21 00 54.2	41.17N	23.09E	23–5	3.1		
SKO	IV	01 21 00 54.8	41.29N	22.92E	15	1.8L,1.3		
BEO	IV	01 21 00 57.6–2.0	41.30N	23.08E	18–13	1.7L,1.3		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=189.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=66.0.							
ATH	Error ellipse: s-maj=3.5km s-min=5.9km az=-1.0.							
BEO	Event type ke.							
ISC	**IV**	**04 16 55 35.9–1.1**	**41.49N–.02**	**23.32E–.03**	**7–12**		**46**	**0-2**
THE	IV	04 16 55 35.9	41.48N	23.33E	11–3	2.0L		¶14190793
CSEM	IV	04 16 55 36.4–.28	41.45N	23.36E	20	2.0L		
BEO	IV	04 16 55 37.0–1.5	41.50N	23.25E	0	1.9L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=173.0.							
CSEM	Event type ke. Error ellipse: s-maj=7.3km s-min=5.5km az=90.0.							
BEO	Event type ke.							
ISC	**IV**	**06 20 15 30.8–1.0**	**41.47N–.03**	**23.33E–.04**	**15–11**		**28**	**0-3**
CSEM	IV	06 20 15 29.7–.29	41.50N	23.35E	15	2.7		¶14693796
ATH	IV	06 20 15 31.8	41.40N	23.46E	28–1	2.7		
SKO	IV	06 20 15 32.3	41.53N	23.25E	5	1.4L,1.0		
BEO	IV	06 20 15 33.7–1.5	41.58N	23.24E	0	1.7L,1.0		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=8.6km s-min=4.9km az=63.0.							
ATH	Error ellipse: s-maj=3.5km s-min=3.7km az=-1.0.							
BEO	Event type ke.							
ISC	**IV**	**08 18 08 54.0–1.1**	**41.70N–.02**	**25.30E–.01**	**5–10**		**191**	**1-8**
THE	IV	08 18 08 54.4	41.71N	25.30E	2–1	3.2L		¶13568014
ATH	IV	08 18 08 55.6	41.59N	25.24E	25–1	3.5		
ISK	IV	08 18 08 55.6	41.52N	25.18E	5	3.6		
DDA	IV	08 18 08 55.5	41.49N	25.30E	2	3.7		
CSEM	IV	08 18 08 55.2–.12	41.68N	25.12E	2	3.2L		
SKO	IV	08 18 08 56.1	41.77N	25.24E	14	2.7		
BEO	IV	08 18 09 00.4–1.0	41.97N	25.11E	0	3.1L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=52.0.							
ATH	Error ellipse: s-maj=3.7km s-min=1.4km az=-1.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=32.0.							
BEO	Event type ke.							
ISC	**IV**	**08 19 36 56.9–1.1**	**41.68N–.02**	**25.28E–.02**	**6–10**		**139**	**1-4**
THE	IV	08 19 36 57.7	41.68N	25.28E	2–1	2.7L		¶13568016
ATH	IV	08 19 36 57.8	41.66N	25.31E	29–3	3.2		
CSEM	IV	08 19 36 57.5–.12	41.70N	25.20E	2	2.7L		
SKO	IV	08 19 36 59.6	41.74N	25.22E	0	2.7L		
ISK	IV	08 19 36 59.2	41.66N	25.47E	5	3.3		
BEO	IV	08 19 36 59.9–1.8	41.60N	25.03E	29–12	2.5L		
DDA	IV	08 19 37 00.7	41.46N	25.37E	7	3.3		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=47.0.							
ATH	Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=11.0.							
BEO	Event type ke.							
DDA	Event type ke.							
ISC	**IV**	**09 06 35 24.9–.68**	**41.71N–.02**	**25.27E–.01**	**7–6**		**228**	**0-8**
SOF	IV	09 06 35 25.9	41.74N	25.26E	13	3.6		¶13568029
ATH	IV	09 06 35 26.7	41.62N	25.24E	24–1	3.5		
CSEM	IV	09 06 35 26.8–.10	41.67N	25.16E	2	3.6		
THE	IV	09 06 35 27.1	41.64N	25.29E	6–1	3.6L		
BEO	IV	09 06 35 28.5–.92	41.83N	25.24E	6–3	3.5L		
DDA	IV	09 06 35 28.3	41.49N	25.18E	26	3.4		
SKO	IV	09 06 35 28.7	41.75N	25.18E	0	3.6L,3.1		
ISK	IV	09 06 35 30.4	41.60N	25.62E	3	3.8,3.7L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=2.9km s-min=1.5km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=25.0.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=27.0.							
BEO	Event type ke.							
DDA	Event type ke.							
ISC	**IV**	**09 10 13 27.8–1.2**	**41.71N–.02**	**25.28E–.02**	**1–11**		**55**	**0-3**
CSEM	IV	09 10 13 27.6–.24	41.70N	25.27E	2	2.7		¶14190900
SOF	IV	09 10 13 27.1	41.73N	25.28E	12	2.7		
ATH	IV	09 10 13 28.3	41.67N	25.30E	10	3.4		
THE	IV	09 10 13 28.0	41.66N	25.29E	2–2	1.9L		
BEO	IV	09 10 13 29.3–1.1	41.76N	25.27E	0	1.9L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=178.0.							
THE	Event type ke. Error ellipse: s-maj=3.0km s-min=1.1km az=86.0.							
BEO	Event type ke.							
ISC	**IV**	**09 13 14 23.4–.94**	**41.71N–.02**	**25.29E–.02**	**9–8**		**74**	**0-3**
SOF	IV	09 13 14 23.3	41.72N	25.27E	9	2.8		¶14190902
THE	IV	09 13 14 23.3	41.70N	25.29E	2–2	2.4L		
CSEM	IV	09 13 14 23.4–.14	41.69N	25.27E	2	2.8		
ATH	IV	09 13 14 23.9	41.65N	25.26E	3–2	2.9		
SKO	IV	09 13 14 25.0	41.74N	25.24E	0	2.4L,1.9		
BEO	IV	09 13 14 26.0–.64	41.92N	25.35E	4–2	2.1L,1.9		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=84.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=165.0.							
ATH	Error ellipse: s-maj=3.2km s-min=1.1km az=-1.0.							
BEO	Event type ke.							
ISC	**IV**	**24 03 50 19.2–.98**	**41.03N–.02**	**25.80E–.02**	**8–9**		**76**	**0-2**
ISCJB	IV	24 03 50 18.7–.71	41.03N–.03	25.81E–.03	2–7			¶13568358
ATH	IV	24 03 50 18.7	41.05N	25.81E	4	3.2		
ISK	IV	24 03 50 19.6	41.04N	25.91E	5	3.1		
THE	IV	24 03 50 19.6	40.98N	25.87E	14–2	2.2L		
CSEM	IV	24 03 50 19.2–.13	41.03N	25.80E	5	2.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=4.3km az=44.3.							
ATH	Error ellipse: s-maj=1.2km s-min=3.6km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=3.5km s-min=0.8km az=85.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=9.0.							
ISC	**IV**	**24 10 07 14.7–1.0**	**41.13N–.03**	**24.29E–.02**	**6–9**		**53**	**0-2**
THE	IV	24 10 07 14.8	41.13N	24.30E	6–3	1.8L		¶14191274
ATH	IV	24 10 07 14.4	41.22N	24.33E	8	3.0		
CSEM	IV	24 10 07 14.1–.19	41.18N	24.33E	2	1.8L		
BEO	IV	24 10 07 27.1–1.4	41.49N	24.15E	0	1.9L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=227.0.							
ATH	Error ellipse: s-maj=1.3km s-min=0.6km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.3km s-min=2.5km az=14.0.							
BEO	Event type ke.							
ISC	**IV**	**29 17 41 31.5–1.1**	**41.90N–.02**	**23.03E–.03**	**5–10**		**52**	**1-3**
SKO	IV	29 17 41 30.7	41.91N	23.04E	26	1.9L,1.6		¶14191411
ISCJB	IV	29 17 41 30.7–.55	41.91N–.02	23.04E–.05	5–4	1.9L,1.6		
ATH	IV	29 17 41 30.7	41.92N	23.02E	23–3	3.1,1.6		
CSEM	IV	29 17 41 31.5–.11	41.92N	23.04E	2	2.2L,1.6		
THE	IV	29 17 41 31.8	41.89N	23.03E	2–3	2.2L,1.6		
BEO	IV	29 17 41 33.1–1.2	41.94N	23.01E	6–5	1.8L,1.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.9km s-min=3.2km az=166.5.							
ATH	Error ellipse: s-maj=3.4km s-min=1.6km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=78.0.							
THE	Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=229.0.							
BEO	Event type ke.							
ISC	**V**	**01 22 34 49.9–1.0**	**41.92N–.02**	**23.36E–.03**	**9–10**		**53**	**1-4**
ISCJB	V	01 22 34 49.3–.66	41.93N–.03	23.34E–.05	10–6			¶14301444
SKO	V	01 22 34 50.9	41.91N	23.32E	2	2.0L,1.5		
CSEM	V	01 22 34 50.1–.37	41.91N	23.41E	10	1.7L,1.5		
ATH	V	01 22 34 50.6	41.86N	23.37E	19–1	3.2,1.5		
THE	V	01 22 34 50.2	41.89N	23.35E	2–15	1.7L,1.5		
BEO	V	01 22 34 51.9–1.6	41.95N	23.29E	9–5	1.8L,1.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=173.0.							
CSEM	Event type ke. Error ellipse: s-maj=7.6km s-min=7.1km az=124.0.							
ATH	Error ellipse: s-maj=1.9km s-min=1.1km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=15.7km s-min=0.5km az=0.0.							
BEO	Event type ke.							
ISC	**V**	**03 12 05 59.2–1.1**	**41.50N–.06**	**23.03E–.05**	**9**		**12**	**0-2**
CSEM	V	03 12 05 56.9–.12	41.35N	22.87E	10	2.6		¶14694922
SKO	V	03 12 05 59.2	41.50N	23.05E	15	1.3L,1.1		
SOF	V	03 12 05 59.4	41.51N	23.05E	20	2.6,1.1		
ISCJB	V	03 12 05 59.7–.82	41.50N–.08	23.08E–.07	9	2.6,1.1		
ISC	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**04 07 15 41.6–1.1**	**41.91N–.01**	**23.35E–.01**	**2–9**		**274**	**0-42**
SOF	V	04 07 15 41.6	41.93N	23.40E	9	3.7		¶12906364
SKO	V	04 07 15 42.9	41.92N	23.33E	4	3.5L,3.2		
IDC	V	04 07 15 42.5–2.1	41.68N	23.65E	0	3.6b,3.5		
CSEM	V	04 07 15 42.9–.10	41.90N	23.36E	10	3.7,3.5		
PDG	V	04 07 15 42.3–.54	41.90N	23.37E	11–0	3.3L,3.5		
TIR	V	04 07 15 43.5	41.84N	23.34E	52	3.3L,3.5		
BEO	V	04 07 15 43.3–.82	41.90N	23.29E	15–3	3.5L,3.5		
THE	V	04 07 15 43.2	41.85N	23.37E	2–0	3.7L,3.5		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=65.1km s-min=26.7km az=156.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=45.0.							
PDG	Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.							
BEO	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=176.0.							
ISC	**V**	**13 07 36 35.7–.90**	**41.18N–.02**	**23.21E–.02**	**10–7**		**84**	**0-4**
SOF	V	13 07 36 34.9	41.17N	23.21E	7	2.6		¶14301887
ATH	V	13 07 36 35.5	41.17N	23.24E	18–2	3.0		
CSEM	V	13 07 36 35.7–.10	41.18N	23.23E	5	2.4L		
ISCJB	V	13 07 36 35.2–.33	41.19N–.02	23.19E–.03	8–4	2.4L		
SKO	V	13 07 36 35.0	41.21N	23.23E	15	2.3L,1.7		
THE	V	13 07 36 35.9	41.18N	23.22E	2–2	2.4L,1.7		
BEO	V	13 07 36 36.7–.79	41.14N	23.16E	4–3	2.3L,1.7		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.5km s-min=0.3km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=84.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=166.5.							
THE	Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=329.0.							
BEO	Event type ke.							
ISC	**V**	**15 10 19 44.7–.93**	**41.18N–.02**	**23.22E–.02**	**8–8**		**104**	**0-2**
SOF	V	15 10 19 42.9	41.16N	23.14E	1	2.5		¶14301984
SKO	V	15 10 19 44.0	41.20N	23.23E	15	2.3L,1.9		
CSEM	V	15 10 19 44.7–.09	41.17N	23.22E	5	2.5L,1.9		
THE	V	15 10 19 44.7	41.18N	23.23E	2–25	2.5L,1.9		
ATH	V	15 10 19 44.0	41.18N	23.23E	22–0	3.0,1.9		
ISCJB	V	15 10 19 44.2–.33	41.18N–.02	23.22E–.02	8–3	3.0,1.9		
BEO	V	15 10 19 46.7–.69	41.26N	23.16E	4–4	2.2L,1.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=129.0.							
THE	Event type ke. Error ellipse: s-maj=25.6km s-min=0.4km az=0.0.							
ATH	Error ellipse: s-maj=0.8km s-min=0.5km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=40.2.							
BEO	Event type ke.							
ISC	**V**	**18 10 28 49.7–.87**	**41.03N–.02**	**25.77E–.02**	**13–7**		**113**	**0-3**
ISCJB	V	18 10 28 48.9–.48	41.02N–.02	25.77E–.03	8–4			¶13839847
ATH	V	18 10 28 48.4	40.99N	25.92E	33–5	2.9		
SOF	V	18 10 28 48.6	41.02N	25.76E	3	2.8		
CSEM	V	18 10 28 49.6–.10	41.04N	25.77E	10	2.9		
BEO	V	18 10 28 50.4–1.1	41.03N	25.75E	1–7	2.6L		
ISK	V	18 10 28 50.0	41.08N	25.90E	5	2.9		
THE	V	18 10 28 50.1	41.00N	25.77E	11–1	2.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=141.4.							
ATH	Error ellipse: s-maj=1.8km s-min=5.6km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=42.0.							
BEO	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=74.0.							
ISC	**V**	**21 03 57 31.9–1.0**	**41.68N–.02**	**23.88E–.03**	**8–9**		**59**	**0-4**
ATH	V	21 03 57 30.7	41.72N	23.89E	5	2.8		¶14302249
ISCJB	V	21 03 57 31.7–.55	41.68N–.02	23.86E–.04	7–5	2.8		
THE	V	21 03 57 32.2	41.65N	23.87E	10–1	2.3L		
CSEM	V	21 03 57 32.0–.21	41.67N	23.84E	8	2.3L		
BEO	V	21 03 57 34.5–1.6	41.64N	23.63E	1–7	2.3L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=6.4km s-min=8.9km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=170.8.							
THE	Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=205.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=77.0.							
BEO	Event type ke.							
ISC	**V**	**22 19 58 15.8–1.1**	**41.95N–.02**	**23.20E–.03**	**7–10**		**55**	**1-3**
ISCJB	V	22 19 58 14.9–.56	41.97N–.03	23.15E–.04	8–7			¶14302318
THE	V	22 19 58 15.8	41.95N	23.22E	7–2	1.8L		
CSEM	V	22 19 58 15.5–.10	41.96N	23.17E	8	1.8L		
ATH	V	22 19 58 16.1	41.92N	23.25E	27–3	2.9		
BEO	V	22 19 58 17.0–.35	41.95N	23.14E	0	1.8L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=22.9.							
THE	Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=270.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=73.0.							
ATH	Error ellipse: s-maj=3.5km s-min=2.8km az=-1.0.							
BEO	Event type ke.							
ISC	**V**	**27 17 43 55.3–.93**	**41.17N–.02**	**23.22E–.02**	**8–9**		**107**	**0-2**
SKO	V	27 17 43 52.9	41.19N	23.22E	33	2.2L,1.8		¶14302562

ISCJB	V	27 17 43 54.8–.34	41.17N–.02	23.23E–.02	6–3	2.2L,1.8		
ATH	V	27 17 43 54.9	41.16N	23.26E	22–0	3.1,1.8		
SOF	V	27 17 43 54.2	41.17N	23.20E	6	2.8,1.8		
BEO	V	27 17 43 55.6–.88	41.12N	23.19E	0–3	2.3L,1.8		
THE	V	27 17 43 55.1	41.19N	23.23E	3–2	2.5L,1.8		
CSEM	V	27 17 43 55.1–.09	41.18N	23.23E	2	2.5L,1.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=17.9.
ATH Error ellipse: s-maj=0.8km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=230.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=128.0.

ISC	**V**	**28 10 23 51.4–.96**	**41.94N–.02**	**23.29E–.02**	**9–8**		**82**	**0-4**
ISCJB	V	28 10 23 50.6–.45	41.96N–.02	23.25E–.03	9–5			**¶14302660**
SOF	V	28 10 23 50.6	41.96N	23.38E	5	2.9		
CSEM	V	28 10 23 51.2–.13	41.94N	23.26E	8	2.4L		
THE	V	28 10 23 51.4	41.92N	23.29E	2–1	2.4L		
ATH	V	28 10 23 51.8	41.89N	23.30E	19–2	3.0		
BEO	V	28 10 23 52.2–.38	41.93N	23.23E	12–6	2.4L		
SKO	V	28 10 23 52.5	41.92N	23.26E	3	2.6L,2.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.8km az=141.5.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=73.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=41.0.
ATH Error ellipse: s-maj=2.8km s-min=1.8km az=-1.0.
BEO Event type ke.

ISC	**V**	**29 11 23 41.9–.87**	**41.16N–.02**	**23.21E–.02**	**13–7**		**68**	**0-2**
SKO	V	29 11 23 40.5	41.24N	23.26E	19	1.8L,1.3		**¶14302726**
ISCJB	V	29 11 23 41.4–.40	41.20N–.02	23.22E–.03	14–3	1.8L,1.3		
ATH	V	29 11 23 41.0	41.20N	23.21E	25–1	3.0,1.3		
CSEM	V	29 11 23 41.7–.11	41.18N	23.22E	15	2.1L,1.3		
THE	V	29 11 23 42.0	41.19N	23.22E	2–24	2.1L,1.3		
BEO	V	29 11 23 44.2–1.1	41.19N	23.14E	6–9	1.8L,1.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=16.3.
ATH Error ellipse: s-maj=1.4km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=39.0.
THE Event type ke. Error ellipse: s-maj=24.2km s-min=0.4km az=0.0.
BEO Event type ke.

ISC	**VI**	**02 05 10 02.0–.88**	**41.94N–.02**	**23.22E–.02**	**13–7**		**82**	**0-8**
SKO	VI	02 05 10 01.8	41.93N	23.17E	18	2.5L,2.1		**¶14302924**
SOF	VI	02 05 10 01.9	41.95N	23.26E	10	2.7,2.1		
CSEM	VI	02 05 10 02.1–.15	41.95N	23.20E	10	2.7,2.1		
THE	VI	02 05 10 02.5	41.92N	23.23E	3–2	2.8L,2.1		
ATH	VI	02 05 10 02.1	41.96N	23.40E	40–3	3.5,2.1		
BEO	VI	02 05 10 03.4–1.1	41.94N	23.19E	0	2.4L,2.1		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=72.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=308.0.
ATH Error ellipse: s-maj=3.3km s-min=2.6km az=-1.0.
BEO Event type ke.

ISC	**VI**	**03 09 23 48.9–1.0**	**41.95N–.02**	**23.24E–.02**	**8–8**		**77**	**0-4**
SOF	VI	03 09 23 48.7	41.96N	23.25E	5	2.5		**¶14304650**
ATH	VI	03 09 23 49.1	41.92N	23.24E	19–1	3.4		
CSEM	VI	03 09 23 49.5–.18	41.92N	23.22E	2	2.5		
THE	VI	03 09 23 50.4	41.86N	23.24E	3–1	2.7L		
BEO	VI	03 09 23 50.6–.34	41.95N	23.19E	0	2.5L		
SKO	VI	03 09 23 50.4	41.91N	23.24E	0	2.6L,2.2		

ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=67.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=283.0.
BEO Event type ke.

ISC	**VI**	**03 21 11 02.9–1.1**	**41.01N–.04**	**26.04E–.04**	**16–6**		**41**	**0-2**
ISCJB	VI	03 21 11 02.5–.00	40.99N–.04	25.97E–.06	6–6			**¶13840303**
ATH	VI	03 21 11 02.2	41.03N	26.06E	16–8	3.1		
ISK	VI	03 21 11 02.8	41.00N	26.03E	5	2.8		
CSEM	VI	03 21 11 02.8	41.00N	26.03E	5	2.8		
DDA	VI	03 21 11 11.1	40.70N	26.57E	11	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.3km az=4.4.
ATH Error ellipse: s-maj=6.2km s-min=10.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
DDA Event type ke.

ISC	**VI**	**05 07 10 49.6–1.1**	**41.93N–.02**	**23.24E–.02**	**4–9**		**77**	**0-3**
ATH	VI	05 07 10 49.7	41.89N	23.26E	27–2	3.3		**¶14304782**
SOF	VI	05 07 10 49.3	41.96N	23.28E	4	2.5		
ISCJB	VI	05 07 10 49.2–.43	41.92N–.02	23.22E–.03	0–4	2.5		
THE	VI	05 07 10 49.6	41.94N	23.21E	2–1	2.4L		
CSEM	VI	05 07 10 49.9–.16	41.92N	23.26E	2	2.5		
SKO	VI	05 07 10 49.2	41.92N	23.20E	15	2.3L,1.9		
BEO	VI	05 07 10 51.8–.35	41.94N	23.18E	0	2.2L,1.9		

ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=1.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=164.9.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=283.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=84.0.
BEO Event type ke.

ISC	**VI**	**26 02 26 27.4–1.0**	**41.48N–.02**	**24.92E–.01**	**8–9**		**175**	**0-5**
ATH	VI	26 02 26 27.7	41.49N	24.91E	26–2	3.4		**¶13841543**
SOF	VI	26 02 26 27.6	41.47N	24.92E	10	3.1		
BEO	VI	26 02 26 28.3–.70	41.35N	25.02E	0	3.0L		
CSEM	VI	26 02 26 28.4–.11	41.48N	24.92E	2	3.1		
THE	VI	26 02 26 28.6	41.44N	24.91E	2–1	3.0L		
ISK	VI	26 02 26 30.4	41.53N	25.23E	3	3.8		

ISC Event type ke.
ATH Error ellipse: s-maj=4.2km s-min=2.2km az=-1.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=10.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=137.0.

(364) Greece.

ISC	**I**	**01 13 31 30.8–.90**	**38.09N–.02**	**21.57E–.02**	**18–3**	**3.5b**	**68**	**0-45**
IDC	I	01 13 31 22.4–17	37.91N	20.74E	0	3.6b,3.4		**¶12079756**
CSEM	I	01 13 31 30.8–.25	38.08N	21.61E	10	3.1L,3.4		
ISCJB	I	01 13 31 30.7–.45	38.07N–.03	21.64E–.03	9–3	3.4b,3.4		
ATH	I	01 13 31 31.3	38.10N	21.60E	13–1	3.1L,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=384.9km s-min=97.8km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=32.3.
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.

ISC	**I**	**02 02 04 44.4–.93**	**38.22N–.02**	**20.31E–.02**	**11–6**	**3.9b**	**263**	**0-70**
ATH	I	02 02 04 43.3	38.16N	20.28E	4–1	3.4		**¶12079794**
ISCJB	I	02 02 04 44.7–.46	38.22N–.02	20.27E–.02	16–4	3.8b		
ROM	I	02 02 04 45.3–.55	38.14N	20.28E	10	3.4L		
CSEM	I	02 02 04 46.5–.14	38.25N	20.32E	20	4.1L		
THE	I	02 02 04 46.3	38.29N	20.45E	0–1	3.4L		
NEIC	I	02 02 04 49.8–.93	38.34N	20.23E	62–11	4.0b		
IDC	I	02 02 04 50.2–2.5	38.39N	20.25E	63–26	3.5b,3.4		

ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=6.1.
ROM Event type ke. Error ellipse: s-maj=9.5km s-min=5.2km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=9.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=245.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.9km az=158.0.
IDC Error ellipse: s-maj=23.6km s-min=14.6km az=154.0.

ISC	**I**	**02 14 42 54.7–.84**	**38.77N–.01**	**23.44E–.02**	**11–6**	**4.1b**	**304**	**0-120**
SKO	I	02 14 42 44.7	38.16N	24.23E	0	4.1b		**¶11593984**
DDA	I	02 14 42 48.9	38.73N	23.15E	7	3.5		
ATH	I	02 14 42 53.7	38.78N	23.49E	23–0	4.6L		
THE	I	02 14 42 54.5	38.76N	23.44E	10–0	4.4L		
ISCJB	I	02 14 42 54.0–.41	38.77N–.01	23.46E–.02	14–3	4.0b		
CSEM	I	02 14 42 54.0–.10	38.76N	23.45E	8	4.4L		
IDC	I	02 14 43 00.0–1.7	38.75N	23.44E	52–16	3.8,3.7		

ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=135.9.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=84.0.
IDC Error ellipse: s-maj=13.7km s-min=11.8km az=130.0.

ATH	**I**	**02 14 48 03.3**	**38.78N**	**23.45E**	**26–0**	**3.5L**		
CSEM	I	02 14 48 03.3	38.78N	23.45E	26	3.5L		**¶14357923**

ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**I**	**02 20 22 22.8–.97**	**38.11N–.03**	**21.33E–.02**	**15–9**		**59**	**0-2**
CSEM	I	02 20 22 22.9–.33	38.15N	21.36E	2	2.1L		**¶14188685**
THE	I	02 20 22 22.2	38.09N	21.37E	19–0	2.1L		
ATH	I	02 20 22 23.5	38.10N	21.21E	21–0	3.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=5.6km az=168.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=173.0.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.

ISC	**I**	**04 14 41 23.2–.83**	**38.77N–.01**	**23.46E–.02**	**12–6**	**3.6b**	**220**	**0-44**
CSEM	I	04 14 41 22.7–.11	38.75N	23.45E	12	3.8L		**¶11594017**
IDC	I	04 14 41 22.0–.99	38.80N	23.41E	0	3.7b,3.7		
ATH	I	04 14 41 22.2	38.79N	23.48E	22–0	3.9L,3.7		
ISCJB	I	04 14 41 22.4–.73	38.77N–.01	23.49E–.02	12–5	3.6b,3.7		
THE	I	04 14 41 23.2	38.77N	23.44E	13–0	3.8L,3.7		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=96.0.
IDC Error ellipse: s-maj=25.1km s-min=14.3km az=126.0.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=9.0.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=112.0.

ISC	**I**	**04 14 43 04.6–1.2**	**38.76N–.02**	**23.47E–.03**	**10–8**	**3.7b**	**109**	**0-58**
IDC	I	04 14 43 03.3–1.1	38.76N	23.35E	0	3.7b,3.7		**¶12080222**
ATH	I	04 14 43 04.3	38.78N	23.47E	24–1	4.2L,3.7		
CSEM	I	04 14 43 04.3	38.78N	23.47E	24	4.2L,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=16.9km az=131.0.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**I**	**04 17 21 37.8–1.1**	**38.36N–.03**	**20.37E–.04**	**8–8**		**109**	**0-9**
ATH	I	04 17 21 35.3	38.24N	20.19E	14–1	3.6		**¶14188720**
ISCJB	I	04 17 21 35.6–.76	38.29N–.03	20.23E–.04	6–4	3.6		
CSEM	I	04 17 21 37.1–.23	38.34N	20.33E	5	3.1L		
THE	I	04 17 21 38.1	38.36N	20.39E	9–0	3.1L		

ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=3.4km az=139.8.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.6km az=50.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=241.0.

ISC	**I**	**08 15 12 31.8–.89**	**38.72N–.01**	**22.56E–.01**	**11–7**		**190**	**0-6**
ISCJB	I	08 15 12 31.3–.32	38.73N–.01	22.54E–.02	11–2			**¶14188784**
THE	I	08 15 12 31.6	38.72N	22.56E	3–1	3.4L		
ATH	I	08 15 12 31.4	38.73N	22.56E	23–1	3.5L		
CSEM	I	08 15 12 31.4–.09	38.72N	22.56E	8	3.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=9.7.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=169.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=90.0.

ISC	**I**	**08 15 43 55.8–.93**	**38.00N–.02**	**22.55E–.02**	**18–3**		**63**	**0-1**
ISCJB	I	08 15 43 55.8–.41	38.01N–.03	22.56E–.03	20–4			**¶14188785**
ATH	I	08 15 43 55.7	37.99N	22.55E	18–2	2.8		
CSEM	I	08 15 43 55.8–.18	37.99N	22.54E	20	2.8		
THE	I	08 15 43 56.4	38.02N	22.55E	9–4	2.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=39.8.
ATH Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=64.0.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=0.7km az=247.0.

ISC	**I**	**10 13 47 48.2–.72**	**38.30N–.01**	**22.04E–.01**	**8–4**	**3.4b**	**172**	**0-45**
ISCJB	I	10 13 47 47.9–.28	38.33N–.02	22.01E–.02	10–2	3.4b		**¶12080950**
IDC	I	10 13 47 47.1–1.6	38.79N	21.62E	0	3.5b,3.4		
ATH	I	10 13 47 47.8	38.31N	22.03E	15–1	3.0L,3.4		
CSEM	I	10 13 47 48.0–.11	38.31N	22.03E	8	3.2L,3.4		
THE	I	10 13 47 48.5	38.31N	22.05E	3–0	3.2L,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=154.5.
IDC Error ellipse: s-maj=101.2km s-min=23.8km az=140.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=121.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=292.0.

THE	**I**	**10 14 44 25.7**	**38.31N**	**22.04E**	**7–1**	**1.6L**		
CSEM	I	10 14 44 25.7	38.31N	22.04E	7	1.6L		**¶14188818**

THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=306.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.

ISC	**I**	**10 20 24 23.2–1.1**	**38.31N–.02**	**22.05E–.02**	**9–5**		**46**	**0-1**
CSEM	I	10 20 24 21.8–.29	38.28N	22.01E	20	1.8L		**¶14188832**
ISCJB	I	10 20 24 22.7–.46	38.31N–.03	22.03E–.04	12–2	1.8L		
ATH	I	10 20 24 22.0	38.27N	21.96E	29–3	2.5		
THE	I	10 20 24 23.1	38.30N	22.04E	9–1	1.8L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.1km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=167.2.
ATH Error ellipse: s-maj=1.5km s-min=2.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=251.0.

ISC	**I**	**10 20 49 31.3–.96**	**38.37N–.02**	**21.90E–.02**	**5–6**		**61**	**0-1**
ATH	I	10 20 49 30.9	38.35N	21.91E	5–2	3.0		**¶14188834**
ISCJB	I	10 20 49 31.0–.38	38.35N–.02	21.89E–.03	7–3	3.0		
CSEM	I	10 20 49 31.1–.13	38.36N	21.89E	2	1.8L		
THE	I	10 20 49 31.2	38.36N	21.89E	7–1	1.8L		

ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=17.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=124.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=91.0.

ISC	**I**	**10 22 26 23.8–.71**	**38.02N–.02**	**21.54E–.02**	**20–3**	**4.1b**	**497**	**0-93**
HLW	I	10 22 26 12.8	38.32N	20.75E	33–19	4.6,4.2L		**¶13404799**
IDC	I	10 22 26 21.5–.72	38.15N	21.60E	0	4.2L,4.1b		
ISCJB	I	10 22 26 22.1–.34	37.97N–.02	21.44E–.02	23–2	4.0b,4.0s		
NEIC	I	10 22 26 23.5	38.02N	21.54E	18	4.4L,4.0s		
PDG	I	10 22 26 23.4–.70	38.04N	21.62E	14–1	4.2L,4.0s		
CSEM	I	10 22 26 23.8–.15	37.98N	21.49E	20–0	4.4L,4.1s		
ATH	I	10 22 26 23.5	38.02N	21.54E	18–1	4.4L,4.1s		
THE	I	10 22 26 23.8	38.00N	21.58E	10–1	4.3L,4.1s		
VIE	I	10 22 26 28.8–.69	38.42N	21.33E	22–19	4.1s,3.5b		
PRU	I	10 22 26 46.1	39.76N	20.91E	0	4.1s,3.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=15.6km s-min=13.8km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=31.8.
NEIC Event type se. After ATH.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=40.0.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=210.0.
VIE Error ellipse: s-maj=17.1km s-min=4.6km az=2.0. 40 km WNW of Patras .

ATH	**I**	**12 05 38 24.3**	**38.92N**	**21.60E**	**22–1**	**2.7**		
								¶14358122

ATH Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0.
ISC I 12 09 06 12.9–1.3 40.50N–.05 21.75E–.04 8–9 38 0-2
ATH I 12 09 06 13.8 40.48N 21.76E 8–6 3.4 ¶14188869
CSEM I 12 09 06 14.7–.22 40.44N 21.86E 2 2.0L
THE I 12 09 06 15.0 40.40N 21.86E 2–15 2.0L
ISC Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=178.0.
THE Event type ke. Error ellipse: s-maj=15.6km s-min=0.5km az=0.0.
ISC I 12 20 12 08.6–.80 38.16N–.01 22.64E–.01 13–5 4.1b 350 0-121
SKO I 12 20 12 05.9 38.03N 22.97E 0 4.1b ¶13404823
IDC I 12 20 12 06.4–.86 38.18N 22.62E 0 4.1,4.0b
THE I 12 20 12 08.5 38.16N 22.65E 0–2 4.0L,4.0b
CSEM I 12 20 12 08.6–.09 38.16N 22.66E 8 4.0L,4.0b
ISCJB I 12 20 12 08.7–.23 38.16N–.01 22.65E–.02 22–2 4.0b,4.0b
ATH I 12 20 12 08.2 38.15N 22.64E 23–0 3.8L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=16.2km az=16.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=128.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=136.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISC I 14 18 49 55.5–.80 38.60N–.02 23.64E–.03 15–5 92 0-2
ISCJB I 14 18 49 55.2–.43 38.60N–.02 23.72E–.04 21–3 ¶14188913
THE I 14 18 49 55.8 38.60N 23.66E 14–1 2.5L
ATH I 14 18 49 55.1 38.62N 23.65E 25–1 2.8L
CSEM I 14 18 49 55.2–.19 38.61N 23.69E 15 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=177.7.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=93.0.
ATH Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=89.0.
ISC I 14 23 00 18.0–1.2 39.98N–.02 21.99E–.03 1–10 69 0-4
CSEM I 14 23 00 17.8–.21 39.92N 22.00E 5 3.3 ¶14358180
ATH I 14 23 00 18.1 39.98N 21.93E 10–2 3.3
SKO I 14 23 00 18.1 39.85N 21.88E 11 2.4L,2.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=92.0.
ATH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
ISC I 15 00 52 15.1–1.2 38.03N–.05 20.23E–.06 11 25 0-8
CSEM I 15 00 52 14.7–.53 38.03N 20.17E 5 3.3 ¶14358206
ISCJB I 15 00 52 15.3–1.2 38.2N–.10 20.2E–.10 11 3.3
ATH I 15 00 52 18.4 38.02N 20.44E 7–3 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.6km s-min=8.0km az=42.0.
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=4.8km az=36.7.
ATH Error ellipse: s-maj=1.2km s-min=2.5km az=-1.0.
ISC I 15 19 23 31.5–1.5 38.22N–.05 20.27E–.05 14–10 42 0-8
ATH I 15 19 23 29.2 38.16N 20.15E 5 3.3 ¶14358215
CSEM I 15 19 23 30.6–.74 38.22N 20.23E 0–2 3.3
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=19.0km s-min=7.0km az=42.0.
ISC I 16 00 35 18.6–.93 38.99N–.03 20.61E–.04 18–6 44 0-2
THE I 16 00 35 17.6 38.90N 20.44E 26–2 2.0L ¶14188930
ISCJB I 16 00 35 18.8–.52 39.01N–.03 20.61E–.08 20–7 2.0L
ATH I 16 00 35 18.5 39.02N 20.63E 17–1 3.0
CSEM I 16 00 35 18.3–.32 39.00N 20.59E 15 2.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=6.3km s-min=1.0km az=241.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.6km az=160.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=5.4km az=69.0.
ISC I 16 01 21 56.8–.82 38.85N–.01 23.61E–.02 12–6 197 0-9
ISCJB I 16 01 21 56.6–.35 38.84N–.01 23.60E–.02 9–2 ¶14188931
CSEM I 16 01 21 56.4–.11 38.83N 23.62E 8 3.8L
ATH I 16 01 21 56.0 38.88N 23.64E 23–0 4.1L,3.5
THE I 16 01 21 56.9 38.85N 23.59E 7–0 3.8L,3.5
SKO I 16 01 21 58.8 39.06N 23.53E 0 3.8L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=34.1.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=96.0.
ATH Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=73.0.
ISC I 16 01 27 00.5–.92 38.77N–.03 20.90E–.03 25–7 57 0-7
ATH I 16 01 26 59.9 38.75N 21.03E 22–6 3.2 ¶14188932
ISCJB I 16 01 27 00.3–.61 38.82N–.03 20.85E–.04 33–6 3.2
THE I 16 01 27 00.7 38.79N 20.86E 28–1 2.3L
CSEM I 16 01 27 00.1–.24 38.78N 20.90E 30 2.3L
ISC Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=43.3.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=240.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=45.0.
ISC I 16 08 32 06.3–1.0 38.72N–.03 22.55E–.02 12–11 44 0-1
ISCJB I 16 08 32 05.9–.51 38.74N–.03 22.54E–.04 8–5 ¶14188946
THE I 16 08 32 05.9 38.72N 22.56E 14–1 2.0L
CSEM I 16 08 32 05.9–.13 38.73N 22.54E 10 2.0L
ATH I 16 08 32 06.6 38.73N 22.56E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=137.9.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=168.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=134.0.
ATH Error ellipse: s-maj=1.6km s-min=2.7km az=-1.0.
ISC I 16 09 39 51.0–1.0 38.40N–.03 21.44E–.03 23–10 44 0-2
ISCJB I 16 09 39 50.9–.51 38.42N–.04 21.43E–.04 27–5 ¶14188949
ATH I 16 09 39 50.7 38.41N 21.44E 24–5 2.8
CSEM I 16 09 39 50.7–.23 38.41N 21.43E 20 2.8
THE I 16 09 39 51.0 38.43N 21.44E 26–2 1.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.5km az=163.7.
ATH Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=171.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=18.0.
THE I 16 13 50 12.9 38.41N 21.91E 7–0 2.3L
CSEM I 16 13 50 12.3–.11 38.41N 21.92E 8 2.3L ¶14188952
ATH I 16 13 50 12.6 38.39N 21.94E 6–1 2.5
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=5.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISC I 17 21 36 34.9–1.5 38.70N–.03 20.15E–.06 6–11 38 0-7
CSEM I 17 21 36 36.3–.35 38.71N 20.22E 2 2.4L ¶14188966
ATH I 17 21 36 37.1 38.65N 20.23E 22–4 3.4
THE I 17 21 36 37.8 38.79N 20.61E 28–0 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=4.3km az=70.0.
ATH Error ellipse: s-maj=1.9km s-min=4.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=6.6km s-min=0.5km az=75.0.
ATH I 18 22 34 49.0 38.13N 20.31E 3 3.5
CSEM I 18 22 34 49.0 38.13N 20.31E 3 3.5 ¶14358307
ATH Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC I 19 05 05 28.4–.95 38.41N–.02 23.60E–.02 13–8 73 0-2
CSEM I 19 05 05 27.9–.10 38.41N 23.60E 10 2.0L ¶14188983
ISCJB I 19 05 05 28.1–.55 38.40N–.02 23.61E–.04 12–5 2.0L
THE I 19 05 05 28.3 38.41N 23.59E 13–0 2.0L
ATH I 19 05 05 28.0 38.41N 23.57E 12–2 2.7,2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.6km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.0km az=170.4.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=63.0.

ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
ISC I 19 05 46 48.6–1.4 38.17N–.04 20.24E–.05 12–9 68 0-8
CSEM I 19 05 46 49.2–.31 38.20N 20.26E 2 3.5 ¶14188984
ATH I 19 05 46 50.1 38.16N 20.33E 4–2 3.5
THE I 19 05 46 50.2 38.24N 20.34E 0–1 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.4km az=51.0.
ATH Error ellipse: s-maj=0.9km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=240.0.
ISC I 19 08 27 17.5–1.2 38.37N–.03 21.96E–.02 9–6 34 0-1
ISCJB I 19 08 27 17.2–.60 38.36N–.04 21.96E–.04 11–4 ¶14188986
CSEM I 19 08 27 17.0–.13 38.37N 21.97E 10 1.6L
ATH I 19 08 27 17.2 38.35N 21.97E 10–8 2.5
THE I 19 08 27 17.4 38.37N 21.95E 10–1 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.3km az=163.4.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=169.0.
ATH Error ellipse: s-maj=2.8km s-min=4.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=289.0.
ISC I 19 14 50 31.2–.83 38.85N–.01 23.61E–.02 12–6 164 0-3
ISCJB I 19 14 50 30.9–.38 38.85N–.01 23.66E–.03 14–2 ¶14188990
CSEM I 19 14 50 30.7–.09 38.84N 23.66E 10 2.8L
ATH I 19 14 50 30.5 38.87N 23.62E 25–0 3.6L
THE I 19 14 50 31.4 38.85N 23.61E 8–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=10.6.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=102.0.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=132.0.
THE I 19 22 08 26.9 38.37N 21.90E 2–2 1.7L
CSEM I 19 22 08 26.2–.15 38.36N 21.90E 5 3.1 ¶14188991
ATH I 19 22 08 26.5 38.38N 21.95E 5–2 3.1
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=338.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=62.0.
ATH Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0.
ISC I 20 03 28 16.0–.94 38.89N–.01 21.65E–.02 7–7 207 0-45
IDC I 20 03 28 07.1–6.8 38.32N 20.81E 0 3.5b,3.4 ¶12081824
ISCJB I 20 03 28 15.3–.41 38.88N–.01 21.63E–.02 8–3 3.3b,3.4
THE I 20 03 28 15.7 38.86N 21.65E 5–1 3.1L,3.4
ATH I 20 03 28 15.8 38.91N 21.68E 15–1 2.9L,3.4
CSEM I 20 03 28 15.5–.11 38.90N 21.66E 2 3.0L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=111.7km s-min=52.3km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=172.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=215.0.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=77.0.
ISC I 20 23 32 11.8–.86 38.15N–.02 22.64E–.01 12–6 3.8b 223 0-119
IDC I 20 23 32 09.7–.97 38.14N 22.59E 0 3.8,3.7b ¶12081911
ISCJB I 20 23 32 11.5–.28 38.18N–.02 22.67E–.02 20–3 3.7b,3.7b
CSEM I 20 23 32 11.3–.13 38.16N 22.68E 10 3.6L,3.7b
ATH I 20 23 32 11.4 38.14N 22.62E 24–1 3.7L,3.7b
THE I 20 23 32 12.0 38.14N 22.61E 8–1 3.6L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=39.4km s-min=20.0km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=12.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=220.0.
ISC I 21 10 31 14.8–.92 40.07N–.02 21.72E–.03 13–7 47 0-1
ATH I 21 10 31 13.9 40.09N 21.68E 21–3 3.2 ¶14189017
ISCJB I 21 10 31 14.3–.64 40.07N–.02 21.73E–.04 7–6 3.2
THE I 21 10 31 14.8 40.06N 21.74E 4–1 2.5L
CSEM I 21 10 31 14.5–.19 40.06N 21.71E 10 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=2.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=159.6.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=309.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=69.0.
ISC I 21 11 49 21.6–.83 38.99N–.02 23.35E–.02 13–6 137 0-7
ATH I 21 11 49 20.8 39.02N 23.40E 20–1 3.6L ¶14189018
ISCJB I 21 11 49 21.3–.37 39.01N–.01 23.37E–.03 12–3 3.6L
CSEM I 21 11 49 21.2–.09 38.99N 23.36E 10 3.4L
THE I 21 11 49 21.5 39.00N 23.34E 12–0 3.4L
SOF I 21 11 49 27.9 39.56N 23.57E 13 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=13.6.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=103.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=90.0.
THE I 21 22 25 09.5 38.72N 21.22E 13–1 2.7L
CSEM I 21 22 25 09.2–.14 38.73N 21.22E 2 2.7L ¶14189028
ATH I 21 22 25 09.2 38.71N 21.23E 19–0 3.0
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.3km az=183.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=39.0.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
ISC I 22 04 16 36.1–1.1 38.34N–.03 22.31E–.02 14–7 37 0-1
ISCJB I 22 04 16 35.4–.62 38.35N–.04 22.31E–.04 19–6 ¶14189031
ATH I 22 04 16 35.5 38.31N 22.30E 20–10 3.0
CSEM I 22 04 16 35.1–.20 38.34N 22.30E 18–1 1.4L
THE I 22 04 16 36.2 38.34N 22.30E 12–1 1.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.3km az=1.5.
ATH Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=66.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=352.0.
ISC I 23 01 51 13.2–.87 40.15N–.02 23.99E–.02 15–6 65 0-3
ISCJB I 23 01 51 12.8–.56 40.14N–.02 24.00E–.03 11–4 ¶14189035
CSEM I 23 01 51 12.6–.21 40.13N 24.01E 8 2.6L
ATH I 23 01 51 13.1 40.19N 24.00E 31–2 3.0
THE I 23 01 51 13.3 40.15N 23.95E 14–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=4.0km az=179.6.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.4km az=63.0.
ATH Error ellipse: s-maj=1.9km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=285.0.
ISC I 23 05 54 17.1–.84 40.43N–.03 23.81E–.02 13–6 61 0-3
ISCJB I 23 05 54 16.8–.44 40.43N–.03 23.78E–.03 11–3 ¶14189038
CSEM I 23 05 54 16.9–.20 40.41N 23.82E 10 2.3L
ATH I 23 05 54 16.4 40.41N 23.80E 25–2 3.0
THE I 23 05 54 17.1 40.42N 23.80E 14–0 2.3L
BEO I 23 05 54 23.5–1.2 40.89N 24.22E 0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=38.4.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=59.0.
ATH Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=259.0.
BEO Event type ke.
ISC I 23 10 30 24.8–.94 38.20N–.03 20.24E–.04 13–6 3.9b 133 0-60
ISCJB I 23 10 30 22.1–.79 38.07N–.03 20.13E–.04 2–4 3.7b ¶12082113
CSEM I 23 10 30 25.7–.46 38.21N 20.30E 2 3.4
THE I 23 10 30 25.5 38.14N 20.28E 6–0 3.3L
ATH I 23 10 30 26.6 38.27N 20.37E 8–0 3.4
IDC I 23 10 30 32.5–3.0 38.47N 19.92E 86–30 3.4b,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=36.8.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=4.1km az=54.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=49.0.
ATH Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0.
IDC Error ellipse: s-maj=32.8km s-min=22.2km az=137.0.
ISC I 24 05 02 57.5–1.1 38.18N–.04 22.58E–.03 18–4 28 0-1

THE I 24 05 02 56.4 38.17N 22.62E 29–2 2.0L **¶14189048**
ISCJB I 24 05 02 57.9–.61 38.18N–.04 22.55E–.05 22–7 2.0L
CSEM I 24 05 02 57.7–.40 38.16N 22.54E 18–3 2.9
ATH I 24 05 02 58.0 38.11N 22.55E 26–4 2.9
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=293.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.4km az=150.2.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=7.1km az=171.0.
ATH Error ellipse: s-maj=1.3km s-min=1.3km az=-1.0.
ATH I 24 20 20 16.9 38.14N 20.35E 5–0 3.5
CSEM I 24 20 20 16.9 38.14N 20.35E 5 3.5 **¶14358462**
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC I 26 19 00 21.8–.96 38.71N–.02 22.16E–.03 25–9 44 0-1
ISCJB I 26 19 00 21.7–.63 38.72N–.03 22.16E–.05 27–6 **¶14189093**
CSEM I 26 19 00 21.6–.10 38.72N 22.17E 20 2.0L
THE I 26 19 00 22.1 38.71N 22.18E 20–2 2.0L
ATH I 26 19 00 22.2 38.72N 22.16E 18–3 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.8km az=169.2.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=79.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.4km az=293.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISC I 26 20 34 57.1–1.0 38.11N–.03 22.03E–.03 12–8 38 0-1
ISCJB I 26 20 34 56.7–.65 38.12N–.04 22.04E–.05 18–6 **¶14358505**
CSEM I 26 20 34 56.2–.18 38.12N 22.06E 16–1 1.9L
THE I 26 20 34 57.4 38.11N 22.02E 8–2 1.9L
ATH I 26 20 34 57.0 38.11N 22.03E 15–5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.8km az=139.4.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=22.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.4km az=22.0.
ATH Error ellipse: s-maj=1.3km s-min=1.0km az=-1.0.
ISC I 27 01 39 30.4–.96 38.28N–.03 22.37E–.02 11–8 45 0-1
ISCJB I 27 01 39 30.1–.46 38.27N–.03 22.37E–.04 11–5 **¶14189102**
THE I 27 01 39 30.5 38.27N 22.37E 7–2 1.8L
ATH I 27 01 39 30.3 38.30N 22.38E 5 2.5
CSEM I 27 01 39 30.0–.09 38.28N 22.37E 10 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.6km az=155.1.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.3km az=313.0.
ATH Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=171.0.
ISC I 27 15 47 28.5–.95 38.30N–.03 21.76E–.03 15–5 45 0-1
ISCJB I 27 15 47 28.6–.51 38.31N–.03 21.73E–.04 13–3 **¶14189108**
CSEM I 27 15 47 28.1–.14 38.30N 21.75E 15 1.8L
ATH I 27 15 47 28.8 38.29N 21.71E 14–4 3.1
THE I 27 15 47 28.9 38.31N 21.76E 14–1 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.7km az=147.5.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=122.0.
ATH Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=158.0.
ISC I 27 23 40 37.2–2.0 38.02N–.07 20.07E–.07 5–14 30 0-8
CSEM I 27 23 40 39.7–.86 38.01N 20.22E 2 3.3 **¶14358565**
ATH I 27 23 40 43.2 38.05N 20.42E 5–4 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.6km s-min=10.0km az=52.0.
ATH Error ellipse: s-maj=2.4km s-min=3.7km az=-1.0.
ISC I 28 00 12 09.3–.90 38.23N–.03 21.56E–.02 19–2 63 0-2
ATH I 28 00 12 08.9 38.23N 21.56E 22–1 2.7 **¶14189109**
CSEM I 28 00 12 08.9–.20 38.24N 21.53E 12 2.1L
ISCJB I 28 00 12 09.1–.43 38.24N–.04 21.54E–.03 22–4 2.1L
THE I 28 00 12 09.2 38.23N 21.56E 21–1 2.1L
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=162.9.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=163.0.
ISC I 28 06 10 49.3–.96 38.39N–.02 22.40E–.02 7–8 57 0-1
ISCJB I 28 06 10 48.6–.40 38.38N–.03 22.41E–.03 13–3 **¶14189115**
CSEM I 28 06 10 48.8–.16 38.39N 22.39E 10 2.1L
ATH I 28 06 10 48.9 38.39N 22.38E 22–8 3.0
THE I 28 06 10 49.4 38.38N 22.40E 2–23 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=12.8.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=6.0.
ATH Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=23.1km s-min=0.3km az=158.0.
ATH I 29 03 21 42.5 38.67N 21.67E 18–1 3.2
CSEM I 29 03 21 42.9–.16 38.67N 21.66E 10 3.2 **¶14189131**
THE I 29 03 21 43.2 38.67N 21.67E 6–2 2.5L
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=92.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=188.0.
ISC I 31 20 59 36.3–.91 38.94N–.02 22.83E–.03 16–7 50 0-2
ISCJB I 31 20 59 36.6–.48 38.94N–.03 22.86E–.04 20–5 **¶14189179**
CSEM I 31 20 59 36.2–.24 38.95N 22.83E 15 1.6L
ATH I 31 20 59 36.6 38.93N 22.84E 16–2 2.7
THE I 31 20 59 36.3 38.91N 22.92E 25–2 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=165.8.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.0km az=113.0.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=123.0.
ISC II 01 00 57 07.3–.47 38.52N–.01 20.26E–.01 16–2 4.7b,4.1s 1279 0-122
LDG II 01 00 57 03.6–.27 38.70N 20.49E 10 4.9b,3.4s **¶13434111**
IDC II 01 00 57 04.7–.42 38.56N 20.39E 0 4.6,4.6
SZGRF II 01 00 57 04.2 38.13N 20.32E 33 4.6,4.6
ISCJB II 01 00 57 06.0–.31 38.58N–.01 20.26E–.01 16–2 4.7b,4.0s
THE II 01 00 57 07.8 38.52N 20.34E 7–0 4.9L,4.0s
ATH II 01 00 57 07.7 38.51N 20.43E 22–0 4.8L,4.0s
MOS II 01 00 57 07.0–1.2 38.59N 20.28E 24 4.8b,3.9s
BJI II 01 00 57 07.7 38.50N 20.40E 31 5.1b,4.9s
NEIC II 01 00 57 07.6 38.51N 20.42E 22 4.8b,4.8L
CSEM II 01 00 57 07.8–.09 38.53N 20.29E 20 4.7b,4.5W
HLW II 01 00 57 07.2 38.56N 20.75E 33–26 4.7L,4.2
BEO II 01 00 57 08.4–.61 38.60N 20.03E 16–14 4.9L,4.2
PDG II 01 00 57 10.1–.41 38.91N 20.19E 2–3 4.9L,4.9
TEH II 01 00 57 11.0 38.56N 20.37E 35 4.7L,4.9
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=13.7km s-min=6.7km az=28.0.
IDC Error ellipse: s-maj=11.4km s-min=9.4km az=123.0.
SZGRF Greece.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=31.4.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=255.0.
ATH Error ellipse: s-maj=0.5km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=4.7km s-min=2.8km az=85.0.
NEIC Event type fe. Felt at Nidhrion. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=39.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=90.0.
ISC II 01 02 13 38.2–.97 38.92N–.02 22.84E–.03 13–11 33 0-1
ISCJB II 01 02 13 38.1–.81 38.92N–.03 22.86E–.04 11–6 **¶14189191**
ATH II 01 02 13 38.2 38.93N 22.82E 9–9 2.7
CSEM II 01 02 13 38.0–.13 38.92N 22.86E 15 1.5L
THE II 01 02 13 39.0 38.89N 22.85E 9–4 1.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=5.3km az=32.7.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=24.0.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=0.4km az=160.0.
ISC II 01 12 28 37.8–1.1 40.41N–.03 21.87E–.03 9–9 30 0-1
ISCJB II 01 12 28 37.8–.56 40.42N–.03 21.84E–.04 9–7 **¶14189205**
CSEM II 01 12 28 37.7–.15 40.41N 21.85E 8 1.8L
THE II 01 12 28 38.0 40.41N 21.85E 10–1 1.8L
ATH II 01 12 28 38.8 40.34N 21.90E 5–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.2km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=29.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=218.0.
ATH Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.
ISC II 01 18 02 02.4–1.2 38.15N–.04 20.29E–.05 18–2 61 0-8
ISCJB II 01 18 02 02.0–1.2 38.15N–.05 20.20E–.06 16–8 **¶14189207**
THE II 01 18 02 01.3 38.10N 20.21E 5–0 2.7L
CSEM II 01 18 02 02.8–.50 38.26N 20.31E 8 3.2
ATH II 01 18 02 04.3 38.14N 20.45E 16–1 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.9km az=137.6.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=48.0.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=6.3km az=47.0.
ATH Error ellipse: s-maj=1.7km s-min=2.4km az=-1.0.
ISC II 02 05 28 00.3–.77 38.97N–.02 20.58E–.02 16–5 3.6b 234 0-45
ATH II 02 05 27 59.6 38.98N 20.57E 15–1 3.4L **¶13434185**
CSEM II 02 05 27 59.8–.20 38.95N 20.51E 10 3.4L
ISCJB II 02 05 27 59.8–.40 38.98N–.02 20.50E–.03 17–4 3.7b
THE II 02 05 28 00.2 38.99N 20.63E 0–5 3.6L
PDG II 02 05 28 01.3–.24 39.21N 20.42E 1–1 3.5L
IDC II 02 05 28 07.2–2.4 39.15N 20.52E 78–26 3.5b,3.4
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=2.7km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.2km az=147.3.
THE Event type ke. Error ellipse: s-maj=5.3km s-min=1.0km az=101.0.
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=90.0.
IDC Error ellipse: s-maj=24.9km s-min=17.8km az=129.0.
ISC II 04 02 11 17.2–.92 38.25N–.02 22.63E–.02 10–8 62 0-1
CSEM II 04 02 11 16.9–.13 38.23N 22.63E 10 2.5L **¶14189256**
ISCJB II 04 02 11 17.1–.41 38.23N–.02 22.62E–.03 8–4 2.5L
THE II 04 02 11 17.0 38.23N 22.63E 14–4 2.5L
ATH II 04 02 11 17.0 38.24N 22.62E 5–2 2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=147.9.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.8km az=264.0.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
ISC II 04 02 30 30.9–.89 38.38N–.03 22.40E–.02 7–7 46 0-1
ISCJB II 04 02 30 30.7–.43 38.37N–.03 22.41E–.03 7–4 **¶14189257**
THE II 04 02 30 30.9 38.37N 22.40E 7–2 2.1L
ATH II 04 02 30 31.6 38.38N 22.41E 13 2.8
CSEM II 04 02 30 31.0–.16 38.41N 22.39E 2 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=168.7.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.4km az=72.0.
ATH Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=158.0.
THE II 04 09 13 10.8 40.42N 21.85E 2–18 2.4L
CSEM II 04 09 13 10.8 40.42N 21.85E 2 2.4L **¶14189261**
THE Event type ke. Error ellipse: s-maj=18.5km s-min=0.6km az=212.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC II 05 07 01 50.1–.89 40.13N–.02 23.99E–.03 13–7 49 0-1
ATH II 05 07 01 49.5 40.12N 23.96E 29–4 2.9 **¶14189278**
CSEM II 05 07 01 49.9–.20 40.12N 24.01E 14–1 1.9L
ISCJB II 05 07 01 50.0–.65 40.13N–.02 24.01E–.04 11–4 1.9L
THE II 05 07 01 50.4 40.15N 23.99E 10–4 1.9L
ISC Event type ke.
ATH Error ellipse: s-maj=2.5km s-min=2.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=4.7.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=0.6km az=318.0.
ISC II 05 10 45 35.7–3.3 38.0N–.10 20.2E–.10 1–15 24 0-1
CSEM II 05 10 45 35.3–1.7 38.02N 20.23E 2 2.3L **¶14189282**
THE II 05 10 45 37.1 38.02N 20.31E 4–2 2.3L
ATH II 05 10 45 37.1 38.15N 20.32E 14 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=35.0km s-min=13.0km az=39.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.7km az=41.0.
ATH II 06 10 36 50.1 38.37N 22.02E 5–3 3.2
CSEM II 06 10 36 50.1 38.37N 22.02E 5 3.2 **¶14358860**
ATH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC II 07 11 07 27.3–.96 39.88N–.01 22.87E–.01 9–7 3.4b 258 0-72
IDC II 07 11 07 25.7–1.3 39.87N 22.78E 0 3.5,3.5b **¶12699723**
ISCJB II 07 11 07 26.6–.40 39.89N–.01 22.87E–.02 8–3 3.4b,3.5b
ATH II 07 11 07 26.7 39.88N 22.88E 20–0 3.1L,3.5b
CSEM II 07 11 07 26.5–.11 39.88N 22.84E 2 3.1L,3.5b
THE II 07 11 07 27.3 39.87N 22.89E 10–1 3.1L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=20.0km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=5.9.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=94.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=61.0.
ISC II 07 12 19 17.3–1.4 40.40N–.04 21.84E–.05 0–13 24 0-2
CSEM II 07 12 19 16.9–.49 40.39N 21.80E 2 3.2 **¶14358886**
ATH II 07 12 19 17.0 40.40N 21.78E 7–4 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=6.5km az=113.0.
ATH Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0.
ISC II 07 13 43 06.2–.75 38.16N–.01 21.95E–.01 13–4 171 0-45
IDC II 07 13 43 00.7–18 38.31N 21.24E 0 3.6b,3.4 **¶12699729**
ISCJB II 07 13 43 05.7–.33 38.16N–.02 21.93E–.02 11–2 3.5b,3.4
ATH II 07 13 43 05.4 38.16N 21.93E 18–0 2.9L,3.4
CSEM II 07 13 43 05.7–.10 38.15N 21.95E 5 3.1L,3.4
THE II 07 13 43 06.2 38.16N 21.98E 0–2 3.1L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=397.5km s-min=95.8km az=18.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=137.4.
ATH Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=39.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=345.0.
ISC II 07 16 20 24.2–.87 39.24N–.03 22.96E–.03 17–7 38 0-1
ISCJB II 07 16 20 24.4–.48 39.23N–.03 23.02E–.07 27–5 **¶14189352**
ATH II 07 16 20 24.3 39.23N 22.99E 20–4 2.8
CSEM II 07 16 20 24.2–.16 39.25N 22.93E 15 2.8
THE II 07 16 20 25.1 39.25N 22.94E 6–9 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.2km az=16.1.
ATH Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=121.0.
THE Event type ke. Error ellipse: s-maj=9.7km s-min=0.5km az=33.0.
ATH II 11 22 25 59.9 38.68N 21.80E 44–1 2.9
CSEM II 11 22 26 00.6–.22 38.69N 21.79E 36–3 2.9 **¶14359027**
ATH Error ellipse: s-maj=1.0km s-min=2.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=5.5km az=90.0.
ISC II 12 02 58 00.9–1.1 38.27N–.05 21.52E–.04 22–7 37 0-1
CSEM II 12 02 58 00.3–.25 38.31N 21.45E 12 2.2L **¶14189444**
ATH II 12 02 58 00.6 38.28N 21.50E 23–2 3.1
ISCJB II 12 02 58 01.0–.69 38.24N–.05 21.52E–.07 24–6 3.1
THE II 12 02 58 01.0 38.22N 21.57E 27–2 2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.7km az=165.0.

ATH Error ellipse: s-maj=1.8km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.6km az=138.1.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.9km az=148.0.
ISC II 12 22 05 36.7–.94 38.41N–.02 21.94E–.02 9–4 53 0-1
ISCJB II 12 22 05 36.4–.42 38.41N–.03 21.93E–.03 8–3 **¶14189448**
THE II 12 22 05 36.6 38.41N 21.95E 9–1 1.9L
ATH II 12 22 05 36.9 38.41N 21.91E 7–1 2.6
CSEM II 12 22 05 36.3–.11 38.40N 21.94E 7–1 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=4.0km az=164.7.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=214.0.
ATH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=149.0.
ISC II 12 22 47 07.2–.92 38.43N–.03 21.98E–.03 8–6 43 0-1
THE II 12 22 47 06.9 38.41N 21.95E 10–0 1.7L **¶14189449**
ISCJB II 12 22 47 07.3–.62 38.42N–.04 21.97E–.04 7–5 1.7L
ATH II 12 22 47 07.5 38.44N 22.00E 5 2.5
CSEM II 12 22 47 07.3–.16 38.43N 21.99E 5 1.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=224.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=29.6.
ATH Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=137.0.
ATH II 13 03 25 45.5 38.55N 21.73E 40–2 2.9
CSEM II 13 03 25 45.5 38.55N 21.73E 40 2.9 **¶14359078**
ATH Error ellipse: s-maj=1.8km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC II 13 07 00 54.3–1.1 38.42N–.03 22.03E–.02 7–6 36 0-1
THE II 13 07 00 53.5 38.41N 22.02E 11–1 1.8L **¶14189464**
ISCJB II 13 07 00 54.1–.51 38.43N–.03 22.01E–.03 4–8 1.8L
CSEM II 13 07 00 54.3–.38 38.42N 22.00E 1–4 1.8L
ATH II 13 07 00 55.3 38.48N 21.85E 5–3 2.9
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=224.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=11.3.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.8km az=169.0.
ATH Error ellipse: s-maj=1.5km s-min=2.3km az=-1.0.
ISC II 14 02 58 20.3–.82 40.71N–.01 21.22E–.02 20–3 3.5b 317 0-71
SOF II 14 02 58 15.7 40.74N 21.03E 0 3.3 **¶11677825**
IDC II 14 02 58 16.6–1.2 40.59N 21.09E 0 3.6,3.5
ATH II 14 02 58 19.7 40.70N 21.25E 28–1 3.7L,3.5
BEO II 14 02 58 19.4–1.1 40.74N 21.21E 0 3.2L,3.5
SKO II 14 02 58 20.3 40.73N 21.21E 23 3.2L,3.5
PDG II 14 02 58 20.2–.71 40.69N 21.24E 18–1 3.3L,3.5
ISCJB II 14 02 58 20.3–.30 40.71N–.01 21.20E–.02 21–3 3.5b,3.5
CSEM II 14 02 58 20.1–.08 40.68N 21.23E 10 3.6L,3.5
THE II 14 02 58 21.3 40.67N 21.24E 11–1 3.6L,3.5
PRU II 14 02 58 23.7 41.04N 21.06E 0 3.6L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=14.9km az=138.0.
ATH Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=158.5.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=70.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=317.0.
THE II 14 13 17 24.0 38.37N 22.34E 10–4 2.8L
CSEM II 14 13 17 24.0 38.37N 22.34E 10 2.8L **¶14189487**
THE Event type ke. Error ellipse: s-maj=4.4km s-min=0.4km az=253.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC II 14 19 23 50.7–.95 38.25N–.02 22.58E–.02 9–9 43 0-1
ISCJB II 14 19 23 50.6–.61 38.23N–.03 22.56E–.04 7–12 **¶14189499**
CSEM II 14 19 23 50.8–.14 38.22N 22.57E 2 1.9L
THE II 14 19 23 51.2 38.24N 22.53E 2–39 1.9L
ATH II 14 19 23 51.0 38.24N 22.58E 3–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.6km az=164.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=46.0.
THE Event type ke. Error ellipse: s-maj=39.8km s-min=0.8km az=142.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISC II 16 00 26 29.8–1.7 40.03N–.04 21.26E–.05 10–13 24 0-2
ATH II 16 00 26 29.1 40.11N 21.12E 38–1 2.9 **¶14359149**
CSEM II 16 00 26 30.8–.36 40.02N 21.23E 20 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=6.4km az=117.0.
ISC II 16 14 32 13.8–.86 38.71N–.02 22.58E–.02 14–5 66 0-1
ISCJB II 16 14 32 13.9–.36 38.71N–.02 22.58E–.03 10–3 **¶14189556**
THE II 16 14 32 13.7 38.70N 22.60E 16–1 2.1L
CSEM II 16 14 32 13.6–.10 38.71N 22.59E 12 2.1L
ATH II 16 14 32 14.0 38.70N 22.59E 13–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=148.1.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=152.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=143.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
ISC II 17 22 14 00.1–.93 38.26N–.04 21.54E–.02 27–7 51 0-1
ATH II 17 22 13 59.8 38.24N 21.53E 27–3 2.8 **¶14189627**
CSEM II 17 22 13 59.8–.12 38.25N 21.55E 23–1 2.8
ISCJB II 17 22 14 00.2–.45 38.25N–.05 21.55E–.03 26–5 2.8
THE II 17 22 14 00.2 38.25N 21.55E 25–1 1.5L
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.0km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=3.7km az=166.7.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=160.0.
ISC II 18 07 10 56.0–.98 38.95N–.02 22.03E–.04 11–8 48 0-1
ISCJB II 18 07 10 56.4–.47 38.95N–.02 22.04E–.05 8–5 **¶14189666**
ATH II 18 07 10 56.7 38.95N 22.02E 6 3.2
CSEM II 18 07 10 56.2–.12 38.97N 22.03E 8 1.9L
THE II 18 07 10 57.0 38.95N 22.00E 4–8 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.4km az=170.7.
ATH Error ellipse: s-maj=0.8km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=1.9km az=83.0.
THE Event type ke. Error ellipse: s-maj=8.3km s-min=0.3km az=258.0.
THE II 19 02 57 49.1 38.34N 22.06E 7–0 1.7L
ATH II 19 02 57 49.5 38.32N 22.05E 4 1.7L **¶14189710**
CSEM II 19 02 57 49.4–.14 38.33N 22.07E 0–1 1.7L
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=336.0.
ATH Error ellipse: s-maj=1.7km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.6km az=176.0.
ISC II 19 14 03 01.1–.92 38.77N–.03 23.44E–.05 12–9 24 0-1
ATH II 19 14 03 00.4 38.40N 22.73E 35–6 2.7 **¶14189715**
ISCJB II 19 14 03 01.2–.67 38.78N–.04 23.47E–.06 13–5 2.7
THE II 19 14 03 01.5 38.79N 23.47E 11–3 2.0L
CSEM II 19 14 03 01.1–.14 38.77N 23.49E 10 2.7
ISC Event type ke.
ATH Error ellipse: s-maj=3.2km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.1km az=18.7.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.5km az=128.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=102.0.
ISC II 19 15 04 10.0–1.2 39.32N–.04 22.95E–.04 4–16 29 0-1
THE II 19 15 04 09.9 39.31N 22.96E 2–25 2.5L **¶14189716**
CSEM II 19 15 04 09.9–.17 39.32N 22.95E 2 2.5L
ATH II 19 15 04 10.5 39.35N 22.99E 5 2.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=25.4km s-min=0.5km az=215.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=2.9km az=34.0.
ATH Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
ISC II 21 04 30 46.9–.77 38.34N–.01 21.86E–.01 7–5 3.5b 147 0-44
ISCJB II 21 04 30 46.2–.31 38.35N–.02 21.86E–.02 5–2 3.4b **¶12701398**
THE II 21 04 30 46.3 38.34N 21.85E 0–1 3.0L
ATH II 21 04 30 46.6 38.34N 21.88E 8–1 2.8L
CSEM II 21 04 30 46.4–.12 38.34N 21.87E 2 3.1L
IDC II 21 04 30 46.5–2.9 38.43N 21.81E 0 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.6km az=19.9.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=282.0.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=44.0.
IDC Error ellipse: s-maj=57.0km s-min=29.3km az=5.0.
ISC II 21 10 01 52.7–.94 38.32N–.04 21.00E–.03 27–11 47 0-1
ATH II 21 10 01 51.7 38.30N 20.98E 30–1 3.2 **¶14189756**
ISCJB II 21 10 01 52.5–.53 38.32N–.05 20.96E–.04 30–5 3.2
THE II 21 10 01 52.7 38.33N 21.00E 22–1 2.3L
CSEM II 21 10 01 52.5–.14 38.33N 20.99E 20 2.3L
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=9.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=217.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=176.0.
THE II 21 15 45 08.4 40.72N 21.51E 2–13 1.6L
¶14189758
THE Event type ke. Error ellipse: s-maj=13.4km s-min=0.4km az=359.0.
CSEM II 21 18 32 16.8–.14 38.35N 22.08E 7–0 1.7L
THE II 21 18 32 17.0 38.35N 22.07E 9–1 1.7L **¶14189761**
ATH II 21 18 32 17.2 38.33N 22.07E 5–3 3.0
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=168.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=15.0.
ATH Error ellipse: s-maj=1.2km s-min=1.5km az=-1.0.
ISC II 22 22 32 14.0–1.8 38.02N–.07 20.44E–.06 14–8 57 0-8
ATH II 22 22 32 14.0 38.00N 20.46E 16–1 2.9 **¶14189798**
ISCJB II 22 22 32 15.2–1.2 38.06N–.09 20.48E–.06 19–5 2.9
CSEM II 22 22 32 15.9–.46 38.07N 20.54E 14–1 2.3L
THE II 22 22 32 18.2 38.18N 20.68E 13–0 2.3L
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=6.6km az=21.4.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=5.5km az=27.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=208.0.
ISC II 23 00 00 13.3–.84 38.53N–.01 23.43E–.01 13–6 175 0-3
ISCJB II 23 00 00 13.0–.37 38.53N–.01 23.45E–.02 11–3 **¶14189804**
ATH II 23 00 00 12.7 38.56N 23.43E 20–2 2.9,2.7L
CSEM II 23 00 00 13.1–.10 38.53N 23.43E 10 2.7L,2.7L
THE II 23 00 00 13.2 38.53N 23.42E 5–1 2.7L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=157.6.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=64.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=69.0.
ISC II 23 12 35 02.5–1.2 38.34N–.03 21.85E–.03 8–6 32 0-1
ISCJB II 23 12 35 02.3–.62 38.35N–.04 21.85E–.06 9–5 **¶14189812**
THE II 23 12 35 02.3 38.36N 21.84E 8–2 1.8L
ATH II 23 12 35 02.3 38.32N 21.90E 9–1 3.0
CSEM II 23 12 35 02.5–.15 38.33N 21.88E 5 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.3km az=35.8.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=292.0.
ATH Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.3km az=118.0.
THE II 24 08 10 38.4 38.33N 21.80E 6–2 1.0L
CSEM II 24 08 10 38.4 38.33N 21.80E 6 1.0L **¶15957098**
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.7km az=51.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC II 24 14 42 23.0–.89 38.11N–.02 23.21E–.02 15–7 61 0-2
ATH II 24 14 42 22.9 38.10N 23.17E 22–1 2.5L **¶14189849**
ISCJB II 24 14 42 23.5–.37 38.12N–.02 23.22E–.03 20–6 2.5L
THE II 24 14 42 23.4 38.11N 23.20E 13–0 2.7L
CSEM II 24 14 42 23.2–.12 38.12N 23.20E 12 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=36.4.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=291.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=110.0.
ISC II 25 12 05 22.0–.98 38.30N–.03 20.87E–.03 9–10 40 0-2
THE II 25 12 05 22.4 38.29N 20.88E 7–1 2.7L **¶14189866**
ATH II 25 12 05 22.5 38.22N 20.81E 11–4 2.9
CSEM II 25 12 05 22.0–.21 38.26N 20.86E 10 2.9
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=257.0.
ATH Error ellipse: s-maj=3.8km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=20.0.
ISC II 26 03 09 20.7–1.2 38.32N–.02 22.59E–.02 22–3 56 0-1
ISCJB II 26 03 09 20.7–.58 38.32N–.03 22.60E–.03 13–5 **¶14189882**
ATH II 26 03 09 20.2 38.34N 22.63E 28–3 2.5L
CSEM II 26 03 09 20.6–.11 38.32N 22.60E 20 2.2L
THE II 26 03 09 21.4 38.32N 22.58E 8–6 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=21.5.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=178.0.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=0.4km az=219.0.
ISC II 26 14 44 28.4–1.5 38.17N–.10 22.11E–.07 28–8 26 0-1
ATH II 26 14 44 27.6 38.21N 22.08E 30–0 2.7 **¶14189886**
CSEM II 26 14 44 28.6–.50 38.21N 22.09E 29–2 1.5L
THE II 26 14 44 31.3 38.28N 21.90E 18–2 1.5L
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=22.1km s-min=7.5km az=151.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.5km az=134.0.
ISC II 28 04 52 54.3–.74 38.35N–.02 21.84E–.02 9–4 3.1b 97 0-44
CSEM II 28 04 52 53.9–.10 38.33N 21.86E 8 2.7L **¶12702074**
IDC II 28 04 52 53.6–1.3 38.24N 21.83E 0 3.2,3.2
ISCJB II 28 04 52 54.0–.33 38.33N–.02 21.84E–.03 9–2 3.0b,3.2
THE II 28 04 52 54.4 38.34N 21.84E 8–1 2.9L,3.2
ATH II 28 04 52 54.4 38.33N 21.88E 5–2 3.0,2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=103.0.
IDC Error ellipse: s-maj=56.0km s-min=21.5km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=31.7.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=188.0.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
ISC II 28 06 00 28.5–.92 38.34N–.02 21.86E–.03 6–7 39 0-1
THE II 28 06 00 27.3 38.33N 21.81E 13–1 1.7L **¶14189939**
ISCJB II 28 06 00 28.4–.51 38.34N–.03 21.88E–.05 9–3 1.7L
ATH II 28 06 00 28.5 38.35N 21.92E 5–2 3.0
CSEM II 28 06 00 28.4–.18 38.34N 21.91E 5 1.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=263.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.2km az=171.5.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=68.0.
THE II 28 08 10 34.7 38.35N 21.82E 9–2 2.0L
CSEM II 28 08 10 34.7 38.35N 21.82E 9 2.0L **¶15957487**
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=277.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC II 28 12 26 49.2–1.1 40.45N–.04 21.62E–.05 10 25 0-1
ATH II 28 12 26 43.3 40.65N 21.35E 14–1 3.3 **¶14359571**
SKO II 28 12 26 47.4 40.18N 21.64E 9 3.3
ISCJB II 28 12 26 48.7–1.1 40.31N–.05 21.57E–.07 10 3.3
CSEM II 28 12 26 49.4–.50 40.45N 21.80E 2 3.3

ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.0km az=148.6.
CSEM Event type ke. Error ellipse: s-maj=12.4km s-min=9.4km az=89.0.
THE II 28 14 36 14.1 38.36N 21.99E 10–1 1.3L
¶14189948
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.4km az=17.0.
ATH III 02 13 33 19.1 38.05N 21.54E 18–0 2.4L
THE III 02 13 33 19.8 38.02N 21.59E 0–1 2.5L **¶14190009**
CSEM III 02 13 33 19.5–.17 38.04N 21.54E 10 2.4L
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=246.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=116.0.
THE III 03 01 35 19.2 38.35N 21.85E 10–1 1.6L
CSEM III 03 01 35 19.2 38.35N 21.85E 10 1.6L **¶14190028**
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=137.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC III 03 05 21 43.1–.99 38.35N–.02 21.90E–.03 11–5 39 0-1
ISCJB III 03 05 21 43.1–.56 38.35N–.03 21.91E–.04 11–4 **¶14190034**
THE III 03 05 21 43.4 38.35N 21.90E 10–1 1.8L
ATH III 03 05 21 43.1 38.35N 21.91E 10–2 2.6
CSEM III 03 05 21 43.2–.11 38.35N 21.89E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.9km az=42.6.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=321.0.
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=40.0.
ISC III 03 22 17 05.4–1.3 38.33N–.02 21.86E–.02 5–9 48 0-1
ISCJB III 03 22 17 04.7–.48 38.33N–.03 21.86E–.03 11–3 **¶14190082**
ATH III 03 22 17 04.9 38.34N 21.88E 8–4 2.9
CSEM III 03 22 17 04.8–.15 38.33N 21.87E 6–0 1.3L
THE III 03 22 17 05.0 38.34N 21.84E 8–1 1.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=147.0.
ATH Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=150.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=295.0.
ISC III 03 23 45 44.3–1.0 38.34N–.02 21.85E–.02 7–5 47 0-1
ISCJB III 03 23 45 44.2–.47 38.33N–.03 21.87E–.03 10–3 **¶14190090**
THE III 03 23 45 44.5 38.34N 21.86E 6–1 1.3L
ATH III 03 23 45 44.4 38.34N 21.88E 7–5 2.8
CSEM III 03 23 45 44.2–.17 38.34N 21.86E 5 1.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=150.3.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=319.0.
ATH Error ellipse: s-maj=1.7km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=151.0.
ISC III 04 19 33 59.6–.87 38.48N–.02 23.96E–.02 14–6 103 0-2
ISCJB III 04 19 33 59.1–.53 38.47N–.02 23.98E–.03 12–3 **¶14190118**
THE III 04 19 33 59.5 38.48N 23.95E 13–0 2.8L
ATH III 04 19 33 59.0 38.49N 24.00E 20–2 2.8L
CSEM III 04 19 33 59.1–.13 38.47N 23.97E 15 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=159.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=67.0.
ATH Error ellipse: s-maj=0.9km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=64.0.
ISC III 05 10 19 44.2–1.0 38.36N–.03 21.83E–.03 9–5 36 0-1
CSEM III 05 10 19 43.9–.11 38.35N 21.85E 8 2.7 **¶14190128**
ISCJB III 05 10 19 44.4–.56 38.36N–.03 21.85E–.04 9–4 2.7
THE III 05 10 19 44.4 38.36N 21.82E 5–2 1.8L
ATH III 05 10 19 44.4 38.35N 21.85E 9–3 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.2km az=157.9.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.5km az=317.0.
ATH Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0.
ISC III 05 11 27 44.0–.96 40.12N–.03 21.78E–.03 25–8 41 0-2
SKO III 05 11 27 43.1 39.95N 21.50E 8 **¶14190129**
ATH III 05 11 27 43.8 40.14N 21.78E 29–1 2.9
ISCJB III 05 11 27 44.7–.46 40.11N–.03 21.79E–.05 28–5 2.9
THE III 05 11 27 44.4 40.08N 21.62E 16–2 2.5L
CSEM III 05 11 27 44.2–.22 40.11N 21.72E 15 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=152.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=55.0.
ISC III 07 19 11 32.3–1.0 38.36N–.02 21.91E–.02 8–5 46 0-1
ISCJB III 07 19 11 32.2–.44 38.36N–.03 21.92E–.03 9–3 **¶14190157**
THE III 07 19 11 32.5 38.35N 21.90E 9–2 1.8L
ATH III 07 19 11 32.2 38.36N 21.92E 7–2 2.6
CSEM III 07 19 11 32.0–.12 38.35N 21.92E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=151.6.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.4km az=133.0.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=146.0.
ISC III 07 21 24 29.1–.95 38.36N–.02 21.92E–.02 5–7 63 0-1
ISCJB III 07 21 24 28.6–.41 38.36N–.02 21.91E–.03 8–4 **¶14190159**
THE III 07 21 24 28.8 38.36N 21.91E 7–2 2.1L
ATH III 07 21 24 28.9 38.35N 21.92E 5–1 2.7
CSEM III 07 21 24 28.9–.10 38.36N 21.92E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=149.2.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.6km az=143.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=145.0.
ISC III 08 10 30 08.0–1.2 38.85N–.02 21.52E–.03 16–9 52 0-2
ATH III 08 10 30 07.7 38.88N 21.45E 5–2 2.9 **¶14190172**
ISCJB III 08 10 30 08.0–.57 38.84N–.03 21.49E–.03 7–5 2.9
THE III 08 10 30 08.3 38.84N 21.50E 16–1 2.2L
CSEM III 08 10 30 08.0–.23 38.84N 21.50E 15 2.2L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=169.2.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=156.0.
ISC III 10 15 22 45.3–.70 38.34N–.01 21.87E–.01 6–4 4.0b,3.2s 291 0-121
TIR III 10 15 22 43.8 38.22N 21.78E 3 4.0b,3.2s **¶13435931**
IDC III 10 15 22 44.1–.79 38.39N 21.88E 0 4.0,4.0
ISCJB III 10 15 22 45.2–.28 38.33N–.01 21.85E–.02 9–2 4.0b,3.2s
THE III 10 15 22 45.8 38.33N 21.87E 0–0 4.0L,3.2s
ATH III 10 15 22 45.3 38.36N 21.85E 9–2 3.7L,3.2s
CSEM III 10 15 22 45.6–.10 38.31N 21.86E 2 3.9L,3.2s
MOS III 10 15 22 46.2–1.1 38.32N 21.75E 25 4.4b,3.2s
SKO III 10 15 22 47.2 38.39N 22.10E 0 4.4b,3.2s
BEO III 10 15 22 49.2–.86 38.41N 22.14E 0 3.8L,3.2s
SOF III 10 15 22 58.6 39.23N 22.54E 5 3.2,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=17.4km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=140.3.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=255.0.
ATH Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=65.0.
MOS Error ellipse: s-maj=12.0km s-min=6.1km az=71.9.
BEO Event type ke.
ISC III 10 16 05 45.7–.92 38.35N–.02 21.81E–.03 10–5 54 0-1
ISCJB III 10 16 05 45.9–.43 38.34N–.02 21.84E–.03 10–3 **¶14190222**
CSEM III 10 16 05 45.7–.14 38.35N 21.84E 10 3.1
THE III 10 16 05 46.4 38.34N 21.85E 7–1 2.1L
ATH III 10 16 05 46.1 38.34N 21.84E 9–3 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=36.4.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=124.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=309.0.
ATH Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
ISC III 10 19 39 15.3–.68 38.32N–.01 21.85E–.01 6–4 4.2b,3.2s 558 0-121
BEO III 10 19 39 03.1–4.7 36.82N 21.93E 3.9L,3.2s **¶12702911**
BJI III 10 19 39 11.7 38.20N 21.80E 10 4.3b,3.2s
SKO III 10 19 39 14.9 38.24N 22.09E 0 4.3b,3.2s
ISCJB III 10 19 39 14.7–.26 38.32N–.01 21.83E–.01 9–1 4.1b,3.2s
CSEM III 10 19 39 15.1–.09 38.31N 21.85E 5 4.3b,3.2s
THE III 10 19 39 15.5 38.32N 21.88E 0–1 3.9L,3.2s
ATH III 10 19 39 15.4 38.33N 21.88E 6–3 3.8L,3.2s
IDC III 10 19 39 16.9–3.5 38.37N 21.80E 17–21 3.9,3.9
MOS III 10 19 39 17.6–1.4 38.39N 22.02E 27 4.4b,3.9
NEIC III 10 19 39 20.3–.65 38.31N 21.89E 48–7 4.4b,3.9
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=37.2.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=37.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=255.0.
ATH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
IDC Error ellipse: s-maj=14.2km s-min=13.9km az=53.0.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=96.8.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.1km az=194.0.
ISC III 13 02 48 45.3–.83 38.35N–.02 21.88E–.02 13–4 61 0-1
ISCJB III 13 02 48 45.8–.40 38.34N–.03 21.87E–.03 11–3 **¶14190285**
ATH III 13 02 48 45.8 38.33N 21.88E 7–0 3.0
CSEM III 13 02 48 45.6–.11 38.34N 21.88E 10 2.2L
THE III 13 02 48 46.3 38.33N 21.87E 8–1 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=154.9.
ATH Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=144.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=260.0.
ISC III 13 04 29 43.2–.91 38.30N–.03 22.34E–.02 17–6 41 0-1
ISCJB III 13 04 29 42.6–.48 38.31N–.04 22.35E–.04 23–4 **¶14190286**
CSEM III 13 04 29 42.7–.15 38.31N 22.32E 18–1 1.9L
THE III 13 04 29 43.3 38.29N 22.35E 14–1 1.9L
ATH III 13 04 29 43.5 38.31N 22.33E 19–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.2km az=25.4.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=16.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=345.0.
ATH Error ellipse: s-maj=0.6km s-min=0.4km az=-1.0.
ATH III 13 13 38 34.9 38.31N 21.91E 12–2 2.5
CSEM III 13 13 38 34.9 38.31N 21.91E 12 2.5 **¶14369943**
ATH Error ellipse: s-maj=0.7km s-min=1.3km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC III 14 00 28 14.0–.95 40.71N–.02 22.80E–.02 11–8 46 0-1
ATH III 14 00 28 13.9 40.75N 22.74E 4 2.9 **¶14190308**
ISCJB III 14 00 28 14.0–.55 40.72N–.03 22.79E–.04 8–6 2.9
THE III 14 00 28 14.6 40.72N 22.81E 4–9 1.8L
SKO III 14 00 28 14.9 40.76N 22.81E 2 2.0L,1.6
CSEM III 14 00 28 14.1–.14 40.70N 22.79E 10 1.8L,1.6
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=22.7.
THE Event type ke. Error ellipse: s-maj=9.1km s-min=0.7km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=108.0.
ISC III 14 00 41 36.8–.82 38.12N–.02 22.05E–.03 15–6 54 0-1
ISCJB III 14 00 41 37.0–.44 38.13N–.03 22.06E–.04 13–3 **¶14190309**
ATH III 14 00 41 36.8 38.11N 22.05E 21–2 2.9
CSEM III 14 00 41 36.6–.16 38.13N 22.07E 13–1 2.1L
THE III 14 00 41 37.4 38.13N 22.06E 11–1 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.0km az=146.4.
ATH Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=101.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=39.0.
ISC III 14 12 37 51.7–.81 38.15N–.02 21.60E–.02 17–5 87 0-2
ISCJB III 14 12 37 51.6–.35 38.15N–.03 21.60E–.03 22–3 **¶14190313**
THE III 14 12 37 51.6 38.14N 21.60E 18–0 2.8L
ATH III 14 12 37 51.0 38.15N 21.58E 24–1 3.1
CSEM III 14 12 37 51.3–.16 38.15N 21.59E 16–1 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=156.4.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=335.0.
ATH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=158.0.
ISC III 15 07 23 14.5–.71 38.36N–.01 21.85E–.01 7–4 3.6b 216 0-45
ISCJB III 15 07 23 13.9–.30 38.36N–.01 21.85E–.02 4–2 3.5b **¶12703332**
CSEM III 15 07 23 14.2–.11 38.33N 21.87E 2 3.5L
ATH III 15 07 23 14.1 38.36N 21.85E 11–1 3.5,3.3L
THE III 15 07 23 14.4 38.36N 21.87E 0–1 3.5L,3.3L
IDC III 15 07 23 20.1–3.6 38.15N 21.88E 60–35 3.3,3.2b
BEO III 15 07 23 52.7 40.94N 21.09E 0 3.3,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=177.2.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=77.0.
ATH Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=328.0.
IDC Error ellipse: s-maj=29.1km s-min=20.2km az=157.0.
BEO Event type ke.
ISC III 16 17 27 53.1–.88 38.18N–.02 22.06E–.03 12–5 53 0-2
CSEM III 16 17 27 52.7–.12 38.18N 22.08E 10 3.0 **¶14190365**
ISCJB III 16 17 27 53.2–.43 38.19N–.02 22.08E–.04 10–4 3.0
THE III 16 17 27 53.5 38.20N 22.09E 10–2 1.8L
ATH III 16 17 27 53.2 38.19N 22.07E 14–2 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=176.7.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.6km az=312.0.
ATH Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0.
ISC III 17 00 52 01.1–1.1 38.75N–.02 21.86E–.04 15–9 48 0-1
ISCJB III 17 00 52 01.0–.67 38.75N–.03 21.82E–.07 21–5 **¶14190384**
THE III 17 00 52 01.2 38.75N 21.85E 17–2 1.7L
ATH III 17 00 52 01.2 38.76N 21.81E 19–1 2.6
CSEM III 17 00 52 01.0–.16 38.76N 21.85E 16–1 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.5km az=1.9.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.4km az=295.0.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=84.0.
ISC III 17 04 31 05.7–.81 38.12N–.02 22.07E–.02 55–4 3.9b 231 0-59
IDC III 17 04 30 58.1–1.5 38.19N 22.00E 0 4.0b,4.0 **¶15996534**
ATH III 17 04 31 05.2 38.12N 22.06E 58–1 3.2L,4.0
ISCJB III 17 04 31 05.2–.27 38.13N–.02 22.05E–.03 65–2 3.8b,4.0
CSEM III 17 04 31 06.5–.11 38.12N 22.07E 47–2 3.2L,4.0
THE III 17 04 31 06.2 38.12N 22.07E 56–0 3.6L,4.0
SOF III 17 04 31 16.1 39.06N 22.76E 2 3.1,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=44.4km s-min=26.1km az=122.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=6.1.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=68.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=270.0.
ISC III 17 15 09 12.1–.93 38.44N–.03 22.42E–.02 5–8 53 0-1
ISCJB III 17 15 09 12.0–.46 38.45N–.03 22.42E–.03 5–9 **¶14190433**
THE III 17 15 09 12.0 38.46N 22.42E 0–1 1.9L

ATH III 17 15 09 12.6 38.42N 22.43E 4 2.8
CSEM III 17 15 09 12.1–.08 38.45N 22.42E 2 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.2km az=164.1.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.3km az=344.0.
ATH Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=161.0.
ISC III 17 16 01 11.9–.97 38.43N–.02 22.42E–.02 5–7 60 0-1
ISCJB III 17 16 01 10.8–.49 38.39N–.03 22.45E–.03 13–4 ¶14190435
THE III 17 16 01 11.4 38.39N 22.44E 10–1 2.0L
ATH III 17 16 01 11.1 38.48N 22.38E 22–4 2.8
CSEM III 17 16 01 11.8–.12 38.42N 22.43E 2 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=155.5.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=148.0.
ATH Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=151.0.
ISC III 21 04 15 22.0–1.1 39.43N–.02 21.32E–.02 1–9 3.4b 92 0-72
ATH III 21 04 15 21.9 39.46N 21.31E 18–2 3.3 ¶12635154
ISCJB III 21 04 15 22.2–.56 39.43N–.02 21.27E–.03 8–4 3.3b
THE III 21 04 15 22.4 39.44N 21.28E 0–1 3.1L
CSEM III 21 04 15 22.1–.16 39.42N 21.30E 5 3.1L
IDC III 21 04 15 28.5–3.9 39.31N 21.55E 47–38 3.4L,3.2
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=135.6.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=234.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=48.0.
IDC Error ellipse: s-maj=35.7km s-min=20.0km az=141.0.
ISC III 21 12 25 31.0–.99 40.39N–.04 21.82E–.04 10–6 32 0-1
ATH III 21 12 25 28.3 40.46N 21.64E 16–2 3.1 ¶14190549
ISCJB III 21 12 25 30.6–.85 40.38N–.04 21.87E–.06 4–7 3.1
CSEM III 21 12 25 30.5–.33 40.40N 21.88E 2 2.0L
THE III 21 12 25 30.8 40.38N 21.88E 0–6 2.0L
ISC Event type ke.
ATH Error ellipse: s-maj=4.1km s-min=5.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.7km az=146.8.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.2km az=39.0.
THE Event type ke. Error ellipse: s-maj=6.4km s-min=1.4km az=62.0.
ATH III 22 00 38 12.1 40.46N 21.63E 24–1
CSEM III 22 00 38 14.3–.35 40.33N 21.70E 20 ¶14190552
ATH Error ellipse: s-maj=2.6km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=9.4km az=80.0.
ISC III 22 00 38 19.2–.95 40.44N–.02 21.57E–.04 15–7 57 0-3
ISCJB III 22 00 38 18.1–.87 40.43N–.04 21.60E–.05 4–8 ¶14370127
ATH III 22 00 38 18.9 40.44N 21.67E 21–0 3.2
SKO III 22 00 38 18.8 40.40N 21.50E 3 2.1L,1.7
CSEM III 22 00 38 19.0–.39 40.41N 21.60E 10 3.2,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.2km az=40.2.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=6.1km az=110.0.
ISC III 22 00 39 06.8–.99 40.45N–.02 21.56E–.02 18–5 44 0-1
ISCJB III 22 00 39 06.6–.53 40.45N–.03 21.56E–.04 14–5 ¶14370130
ATH III 22 00 39 06.5 40.46N 21.63E 23–1 2.9
SKO III 22 00 39 06.4 40.39N 21.46E 5 2.1,2.0L
CSEM III 22 00 39 06.5–.14 40.45N 21.56E 15 2.9,2.0L
THE III 22 00 39 07.0 40.47N 21.58E 15–1 2.4L,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=24.2.
ATH Error ellipse: s-maj=1.8km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=3.0km az=109.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=226.0.
ISC III 23 13 25 40.2–1.1 38.51N–.03 22.89E–.04 15–9 30 0-1
THE III 23 13 25 39.7 38.37N 22.95E 2–30 1.9L ¶14190570
ISCJB III 23 13 25 40.8–.63 38.51N–.04 22.84E–.05 19–7 1.9L
CSEM III 23 13 25 40.2–.20 38.51N 22.88E 20 2.7
ATH III 23 13 25 41.0 38.50N 22.90E 17–5 2.7
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=30.2km s-min=1.1km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.6km az=143.8.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=66.0.
ATH Error ellipse: s-maj=1.4km s-min=2.1km az=-1.0.
ISC III 24 23 48 32.7–.69 38.42N–.01 21.96E–.01 7–4 3.5b 257 0-74
ATH III 24 23 48 31.9 38.41N 21.97E 16–0 3.5,3.2L ¶12635499
THE III 24 23 48 32.9 38.42N 21.96E 5–0 3.3L,3.2L
ISCJB III 24 23 48 32.3–.26 38.42N–.01 21.96E–.02 9–1 3.4b,3.2L
SOF III 24 23 48 32.9 38.28N 22.65E 10 2.7,3.2L
CSEM III 24 23 48 32.3–.09 38.41N 21.93E 5 3.4L,3.2L
IDC III 24 23 48 38.0–2.4 38.51N 21.94E 49–25 3.3,3.3
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=256.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=11.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=89.0.
IDC Error ellipse: s-maj=24.7km s-min=16.2km az=154.0.
ISC III 26 17 15 37.7–.94 39.87N–.02 21.60E–.03 16–8 55 0-2
ISCJB III 26 17 15 37.4–.70 39.86N–.02 21.59E–.05 9–5 ¶14190600
THE III 26 17 15 37.8 39.88N 21.60E 15–1 2.2L
ATH III 26 17 15 37.0 39.86N 21.56E 20–0 3.2
CSEM III 26 17 15 37.5–.16 39.88N 21.59E 15 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.3km az=165.7.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=17.0.
ATH Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=73.0.
THE III 27 10 57 57.8 38.07N 21.88E 6–1 1.7L
CSEM III 27 10 57 57.8 38.07N 21.88E 6 1.7L ¶14190606
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=342.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC III 27 21 51 18.2–.99 38.17N–.02 23.17E–.02 17–9 47 0-1
ISCJB III 27 21 51 17.8–.44 38.16N–.04 23.18E–.04 27–5 ¶14190615
CSEM III 27 21 51 17.8–.15 38.17N 23.17E 18–1 2.7
THE III 27 21 51 18.0 38.18N 23.22E 10–3 1.7L
ATH III 27 21 51 18.2 38.17N 23.14E 21–2 2.7,1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=36.4.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=42.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.5km az=244.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISC III 28 01 28 34.9–1.1 38.24N–.02 22.55E–.02 12–9 53 0-1
ISCJB III 28 01 28 34.4–.52 38.22N–.03 22.54E–.03 13–4 ¶14190620
THE III 28 01 28 34.9 38.23N 22.54E 12–3
ATH III 28 01 28 34.7 38.25N 22.54E 7 2.8
CSEM III 28 01 28 34.6–.12 38.24N 22.55E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=173.6.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.7km az=288.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
CSEM Event type ke.
ISC III 28 12 24 04.6–1.3 40.48N–.04 21.88E–.03 4–13 39 0-2
ATH III 28 12 24 03.8 40.48N 21.78E 5 3.2 ¶14190637
CSEM III 28 12 24 03.5–.61 40.53N 21.82E 2 2.1L
THE III 28 12 24 05.9 40.44N 21.86E 0–2 2.1L
ISC Event type ke.
ATH Error ellipse: s-maj=2.6km s-min=3.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=6.2km az=144.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=7.0.
ISC III 30 12 08 33.2–.87 38.43N–.02 22.44E–.02 10–5 61 0-1
THE III 30 12 08 33.3 38.36N 22.45E 9–1 2.0L ¶14190704
ATH III 30 12 08 33.4 38.43N 22.43E 18–4 2.8
CSEM III 30 12 08 33.4–.13 38.43N 22.43E 10 2.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=160.0.
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=162.0.
ATH III 30 13 38 51.3 38.43N 22.26E 13–4 2.6
CSEM III 30 13 38 50.7–.14 38.47N 22.30E 8 2.6 ¶14370253
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=149.0.
ISC III 30 15 54 08.2–.99 38.71N–.02 22.43E–.03 19–2 49 0-1
ISCJB III 30 15 54 07.9–.69 38.72N–.03 22.43E–.05 30–5 ¶14190708
ATH III 30 15 54 07.3 38.72N 22.41E 35–2 2.8
THE III 30 15 54 08.4 38.71N 22.45E 20–3 1.8L
CSEM III 30 15 54 08.4–.16 38.70N 22.43E 15 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.6km az=20.2.
ATH Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.5km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=110.0.
ISC III 30 18 19 15.5–1.1 38.38N–.02 23.68E–.02 18–7 92 0-2
ISCJB III 30 18 19 15.8–.85 38.38N–.02 23.71E–.04 13–6 ¶14190709
ATH III 30 18 19 15.4 38.36N 23.76E 31–1 2.9,2.4L
CSEM III 30 18 19 16.1–.13 38.38N 23.68E 15 2.9,2.4L
THE III 30 18 19 16.5 38.38N 23.64E 5–3 2.3L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=169.1.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=69.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.4km az=60.0.
ISC III 31 02 20 02.0–.75 38.85N–.01 23.61E–.01 12–5 3.9b 524 0-74
PDG III 31 02 20 01.0–.68 38.93N 23.72E 11–1 3.7L ¶12084496
THE III 31 02 20 01.8 38.84N 23.58E 13–0 3.9L
MOS III 31 02 20 01.9–.85 38.87N 23.63E 26 4.1b
ISCJB III 31 02 20 01.4–.27 38.88N–.01 23.64E–.01 19–3 3.8b
ATH III 31 02 20 01.1 38.86N 23.61E 24–0 4.4L,3.5
CSEM III 31 02 20 01.6–.07 38.85N 23.61E 10 4.0b,3.5
IDC III 31 02 20 04.9–3.2 38.81N 23.58E 33–26 3.7b,3.7
SOF III 31 02 20 04.1 38.83N 23.70E 44 3.3,3.7
TIR III 31 02 20 08.5 39.11N 22.90E 6 4.8L,3.7
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=159.0.
MOS Error ellipse: s-maj=11.7km s-min=6.4km az=92.5.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=38.6.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=91.0.
IDC Error ellipse: s-maj=16.1km s-min=13.0km az=154.0.
ISC III 31 20 13 16.8–.83 38.78N–.01 23.48E–.01 13–6 3.5b 299 0-74
THE III 31 20 13 16.6 38.76N 23.48E 6–1 3.5L ¶12636051
ISCJB III 31 20 13 16.7–.28 38.78N–.01 23.49E–.02 17–3 3.4b
ATH III 31 20 13 16.1 38.77N 23.48E 28–0 3.9L,3.5
CSEM III 31 20 13 17.3–.11 38.77N 23.48E 20 3.5L,3.5
IDC III 31 20 13 20.4–5.6 38.75N 23.42E 38–55 3.3,3.2b
SOF III 31 20 13 23.4 39.47N 23.73E 1 3.0,3.2b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=262.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=21.8.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=102.0.
IDC Error ellipse: s-maj=45.4km s-min=21.2km az=156.0.
ISC IV 01 10 14 49.9–.89 38.20N–.02 22.80E–.03 15–8 35 0-1
THE IV 01 10 14 49.8 38.20N 22.79E 17–1 1.4L ¶14190745
CSEM IV 01 10 14 50.0–.13 38.20N 22.78E 10 1.4L
ATH IV 01 10 14 50.0 38.20N 22.77E 5 2.6
ISCJB IV 01 10 14 50.0–.56 38.20N–.03 22.77E–.05 13–5 2.6
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 01 22 38 16.1–.87 39.08N–.02 21.65E–.02 16–6 104 0-3
ATH IV 01 22 38 15.4 39.08N 21.63E 26–1 3.3 ¶14190752
CSEM IV 01 22 38 16.2–.16 39.05N 21.68E 15 2.8L
ISCJB IV 01 22 38 16.1–.51 39.07N–.02 21.65E–.04 22–4 2.8L
THE IV 01 22 38 17.2 39.05N 21.71E 16–0 2.8L
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=173.6.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=115.0.
ISC IV 04 05 26 20.2–.78 38.17N–.01 22.78E–.01 13–5 3.8b 303 0-77
ATH IV 04 05 26 19.7 38.15N 22.77E 21–1 3.5L,3.4 ¶12934508
CSEM IV 04 05 26 19.8–.10 38.17N 22.79E 8 3.4,3.4
THE IV 04 05 26 20.0 38.17N 22.79E 0–1 3.8L,3.4
ISCJB IV 04 05 26 20.3–.22 38.17N–.01 22.78E–.02 25–2 3.7b,3.4
IDC IV 04 05 26 25.9–2.4 38.40N 22.75E 52–22 3.5,3.5
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=49.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=31.9.
IDC Error ellipse: s-maj=23.2km s-min=14.4km az=160.0.
ISC IV 04 05 41 43.4–.80 38.42N–.02 21.93E–.02 10–4 98 0-2
ATH IV 04 05 41 43.5 38.41N 21.93E 9–1 3.1 ¶14190780
THE IV 04 05 41 43.6 38.41N 21.93E 9–1 2.2L
CSEM IV 04 05 41 43.2–.13 38.41N 21.95E 8 3.1
ISCJB IV 04 05 41 43.2–.32 38.41N–.02 21.94E–.03 11–2 3.1
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 04 06 25 56.3–.90 38.74N–.02 20.60E–.03 4–6 3.6b 147 0-45
IDC IV 04 06 25 50.9–3.5 38.28N 20.28E 0 3.6,3.5 ¶12934504
ISCJB IV 04 06 25 55.8–.62 38.77N–.02 20.53E–.04 3–4 3.5b,3.5
CSEM IV 04 06 25 57.0–.23 38.73N 20.61E 2 3.5,3.5
ATH IV 04 06 25 57.4 38.74N 20.64E 5–2 3.5,3.5
THE IV 04 06 25 58.0 38.74N 20.65E 0–2 3.2L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=57.7km s-min=21.6km az=23.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=160.3.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.3km az=61.0.
ATH Error ellipse: s-maj=0.5km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=48.0.
ISC IV 05 02 55 51.7–.83 38.85N–.01 23.61E–.02 12–6 156 0-3
THE IV 05 02 55 51.6 38.85N 23.61E 7–1 2.9L ¶14190802
ATH IV 05 02 55 51.0 38.87N 23.62E 26–0 3.5L,3.3
CSEM IV 05 02 55 51.2–.11 38.85N 23.62E 10 2.9L,3.3
ISCJB IV 05 02 55 51.2–.40 38.85N–.02 23.62E–.02 11–3 2.9L,3.3
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 08 15 09 18.3–.95 38.71N–.03 22.45E–.04 31–7 32 0-1
ATH IV 08 15 08 58.1 39.73N 23.36E 23–3 2.9 ¶14190871
ISCJB IV 08 15 09 18.4–.53 38.71N–.04 22.45E–.06 33–5 2.9
THE IV 08 15 09 18.6 38.71N 22.46E 30–1 1.4L
CSEM IV 08 15 09 18.0–.28 38.71N 22.48E 32–2 1.4L
ISC Event type ke.
ATH Error ellipse: s-maj=3.4km s-min=5.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.8km az=38.4.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=97.0.

ISC IV 09 01 22 20.7–.86 40.41N–.02 23.87E–.02 16–6 48 0-1
ATH IV 09 01 22 20.4 40.42N 23.80E 32–2 2.7 ¶14190880
CSEM IV 09 01 22 20.7–.11 40.41N 23.88E 14–1 1.3L
ISCJB IV 09 01 22 20.9–.51 40.40N–.03 23.88E–.04 21–5 1.3L
THE IV 09 01 22 21.3 40.43N 23.87E 10–2 1.3L
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=2.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.7km az=169.3.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.4km az=149.0.
ISC IV 09 04 06 07.3–.95 40.99N–.02 23.44E–.02 10–8 41 0-1
THE IV 09 04 06 07.5 41.00N 23.42E 5–3 1.9L ¶14190886
ISCJB IV 09 04 06 07.2–.48 40.99N–.03 23.43E–.04 7–8 1.9L
ATH IV 09 04 06 07.6 40.96N 23.51E 3–2 2.5
CSEM IV 09 04 06 07.5–.10 40.98N 23.44E 2 1.9L
SKO IV 09 04 06 08.9 41.05N 23.44E 1 1.4L,1.3
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.3km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=43.2.
ATH Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=148.0.
ISC IV 09 06 01 18.6–.76 38.96N–.01 21.90E–.02 13–4 217 0-5
ISCJB IV 09 06 01 18.8–.26 38.96N–.01 21.90E–.02 16–3 ¶14190889
CSEM IV 09 06 01 18.5–.09 38.96N 21.89E 10 3.6L
ATH IV 09 06 01 18.3 38.97N 21.90E 18–1 3.3,3.2L
THE IV 09 06 01 18.7 38.94N 21.89E 15–0 3.3L,3.2L
SKO IV 09 06 01 20.9 39.18N 22.01E 0 3.3L,3.2L
BEO IV 09 06 01 20.8–1.0 39.13N 22.06E 0 3.1L,3.2L
SOF IV 09 06 01 27.4 39.70N 22.42E 2 3.2,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=173.2.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=80.0.
ATH Error ellipse: s-maj=0.6km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=141.0.
BEO Event type ke.
ISC IV 09 06 28 37.9–1.0 40.82N–.02 22.10E–.02 7–9 128 0-4
SOF IV 09 06 28 36.8 40.76N 22.16E 8 2.7 ¶14190890
SKO IV 09 06 28 37.7 40.84N 22.07E 12 2.7L,2.4
ISCJB IV 09 06 28 37.7–.40 40.82N–.02 22.07E–.02 9–3 2.7L,2.4
ATH IV 09 06 28 38.0 40.81N 22.13E 21–1 3.3,2.4
CSEM IV 09 06 28 38.2–.15 40.80N 22.10E 10 2.7L,2.4
THE IV 09 06 28 38.6 40.80N 22.07E 4–1 2.7L,2.4
BEO IV 09 06 28 40.2–1.8 40.92N 22.20E 18–7 2.5L,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=44.7.
ATH Error ellipse: s-maj=1.8km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=99.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.2km az=4.0.
BEO Event type ke.
ISC IV 10 17 40 23.5–3.9 38.39N–.05 20.1E–.20 5–13 32 0-2
CSEM IV 10 17 40 26.4–1.1 38.40N 20.25E 2 2.8 ¶14190959
THE IV 10 17 40 27.0 38.42N 20.38E 2–14 1.8L
ATH IV 10 17 40 29.8 38.17N 20.42E 13–4 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.5km s-min=9.1km az=82.0.
THE Event type ke. Error ellipse: s-maj=14.8km s-min=0.4km az=94.0.
ATH Error ellipse: s-maj=6.8km s-min=3.8km az=-1.0.
ISC IV 12 13 07 59.0–.86 38.31N–.02 22.14E–.02 6–6 49 0-1
THE IV 12 13 07 58.3 38.25N 22.12E 0–3 1.6L ¶14191010
ISCJB IV 12 13 07 59.0–.48 38.28N–.02 22.12E–.04 1–7 1.6L
CSEM IV 12 13 07 59.6–.15 38.33N 22.15E 0–1 1.6L
ATH IV 12 13 08 00.0 38.34N 22.13E 7–3 2.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=184.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=169.3.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=49.0.
ATH Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0.
ISC IV 14 12 15 41.3–.87 38.76N–.03 22.98E–.03 13–5 35 0-1
THE IV 14 12 15 41.7 38.77N 22.97E 9–2 1.6L ¶14191026
ISCJB IV 14 12 15 41.4–.53 38.77N–.04 22.97E–.03 10–6 1.6L
ATH IV 14 12 15 41.4 38.79N 22.98E 5–4 2.8
CSEM IV 14 12 15 41.5–.11 38.76N 22.96E 5 1.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=7.0.
ATH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=143.0.
ATH IV 14 14 45 10.1 38.51N 22.29E 4 2.5
CSEM IV 14 14 45 10.0 38.49N 22.27E 12 2.5 ¶14694218
ATH Error ellipse: s-maj=1.2km s-min=1.7km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 14 15 15 14.9–.71 40.55N–.01 21.17E–.02 18–2 3.6b 394 0-122
BEO IV 14 15 15 07.0–.88 40.01N 20.93E 0 3.9L ¶13438544
SKO IV 14 15 15 13.5 40.45N 21.08E 0 3.9L,3.5
TIR IV 14 15 15 14.4 40.55N 21.16E 6 3.6L,3.5
ISCJB IV 14 15 15 14.7–.29 40.57N–.01 21.08E–.02 25–2 3.6b,3.5
PDG IV 14 15 15 14.6–.82 40.56N 21.20E 13–1 3.8,3.7L
ATH IV 14 15 15 14.9 40.55N 21.23E 23–1 4.0L,3.4
CSEM IV 14 15 15 15.0–.09 40.55N 21.18E 10 3.9L,3.4
SOF IV 14 15 15 15.2 40.60N 21.34E 9 3.3,3.4
THE IV 14 15 15 15.4 40.54N 21.19E 6–1 3.9L,3.4
IDC IV 14 15 15 18.6–2.0 40.55N 21.13E 53–19 3.6,3.5L
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=143.9.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
ATH Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=65.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=291.0.
IDC Error ellipse: s-maj=15.0km s-min=13.3km az=142.0.
THE IV 14 15 16 04.0 40.52N 21.14E 17–2 3.6L
CSEM IV 14 15 16 04.0 40.52N 21.14E 17 3.6L ¶14191031
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.6km az=253.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC IV 15 06 31 53.9–.96 38.68N–.02 21.70E–.03 17–8 59 0-1
CSEM IV 15 06 31 53.2–.15 38.70N 21.69E 19–1 1.7L ¶14191051
ISCJB IV 15 06 31 53.4–.59 38.68N–.03 21.69E–.05 24–5 1.7L
ATH IV 15 06 31 53.9 38.67N 21.67E 18–3 2.9
THE IV 15 06 31 54.5 38.69N 21.76E 13–2 1.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.7km az=5.9.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.3km az=271.0.
ISC IV 15 06 56 17.7–.91 38.68N–.02 21.68E–.02 13–7 110 0-3
ATH IV 15 06 56 17.3 38.66N 21.66E 22–1 3.0 ¶16505289
ISCJB IV 15 06 56 17.1–.51 38.68N–.02 21.66E–.03 11–3 3.0
CSEM IV 15 06 56 17.4–.16 38.68N 21.67E 10 2.7L
THE IV 15 06 56 17.6 38.67N 21.68E 14–0 2.7L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=13.9.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=105.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=90.0.
ATH IV 15 08 23 23.0 39.06N 21.59E 13–6 2.7
CSEM IV 15 08 23 23.1 39.06N 21.59E 11 2.7 ¶14694252
ATH Error ellipse: s-maj=1.4km s-min=2.5km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 15 10 55 22.4–.89 38.45N–.02 21.99E–.02 10–5 51 0-1
CSEM IV 15 10 55 22.3–.12 38.44N 21.97E 8 2.5 ¶14191056
ISCJB IV 15 10 55 22.3–.45 38.46N–.03 21.98E–.04 9–4 2.5
THE IV 15 10 55 22.4 38.45N 21.98E 10–1 2.1L
ATH IV 15 10 55 23.2 38.45N 21.95E 5–4 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=7.1.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=230.0.
ATH Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.
THE IV 15 21 52 10.4 38.39N 21.87E 8–0 1.9L
CSEM IV 15 21 52 10.2–.08 38.39N 21.86E 8 1.9L ¶14191072
ATH IV 15 21 52 11.0 38.38N 21.87E 6–1 2.9
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=135.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
THE IV 16 12 03 25.8 38.68N 21.79E 17–1 1.4L
CSEM IV 16 12 03 25.8 38.68N 21.79E 17 1.4L ¶14191095
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.4km az=69.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC IV 16 12 04 07.4–.96 39.74N–.03 21.95E–.05 17–6 31 0-1
ATH IV 16 12 04 07.9 39.74N 21.91E 8 2.9 ¶14191096
CSEM IV 16 12 04 07.8–.27 39.75N 21.94E 10 2.9
ISCJB IV 16 12 04 07.8–.69 39.76N–.03 21.96E–.09 8–6 2.9
THE IV 16 12 04 08.1 39.75N 21.95E 12–3 1.7L
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=3.4km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=4.2km az=171.9.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.6km az=156.0.
ISC IV 17 06 13 41.9–.00 38.42N–.02 20.46E–.04 10–8 109 0-3
CSEM IV 17 06 13 41.4–.34 38.43N 20.45E 2 3.5 ¶14191118
ATH IV 17 06 13 41.1 38.41N 20.42E 13–1 3.5
THE IV 17 06 13 41.2 38.42N 20.38E 8–1 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.8km az=72.0.
ATH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=256.0.
ATH IV 17 14 23 06.8 38.30N 22.60E 9 2.7
CSEM IV 17 14 23 06.8 38.30N 22.60E 9 2.7 ¶14694326
ATH Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 17 18 11 43.5–.96 39.31N–.03 21.01E–.03 8 24 0-1
ISCJB IV 17 18 11 42.9–.66 39.31N–.03 21.05E–.05 8 ¶14191130
CSEM IV 17 18 11 43.6–.25 39.36N 20.96E 30 1.8L
THE IV 17 18 11 44.6 39.30N 20.91E 12–1 1.8L
ATH IV 17 18 11 44.1 39.47N 21.07E 36–14 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=165.8.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=6.7km az=62.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=314.0.
ATH Error ellipse: s-maj=25.4km s-min=1.4km az=-1.0.
ISC IV 17 20 21 01.8–.86 38.34N–.03 21.81E–.03 15–5 41 0-1
CSEM IV 17 20 21 01.9–.12 38.35N 21.82E 12 1.9L ¶14191135
ISCJB IV 17 20 21 01.6–.68 38.38N–.03 21.78E–.05 15–4 1.9L
THE IV 17 20 21 02.7 38.34N 21.81E 10–0 1.9L
ATH IV 17 20 21 02.0 38.35N 21.78E 19–4 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=113.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.1km az=20.6.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=297.0.
ATH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
ISC IV 18 05 12 14.9–.96 38.85N–.02 23.13E–.03 7–7 47 0-1
THE IV 18 05 12 14.9 38.84N 23.15E 8–1 1.4L ¶14191152
ATH IV 18 05 12 14.3 38.87N 22.97E 16–2 2.8
CSEM IV 18 05 12 14.6–.09 38.83N 23.16E 8 1.4L
ISCJB IV 18 05 12 14.4–.41 38.84N–.03 23.16E–.04 11–3 1.4L
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 18 08 18 16.6–.79 38.72N–.01 22.56E–.01 14–5 173 0-3
ISCJB IV 18 08 18 16.3–.42 38.73N–.02 22.53E–.02 15–3 ¶14191157
THE IV 18 08 18 16.8 38.72N 22.55E 6–1 3.0L
ATH IV 18 08 18 16.0 38.73N 22.56E 21–0 3.5,2.8L
CSEM IV 18 08 18 16.5–.09 38.73N 22.57E 8–0 3.0L,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=147.9.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=355.0.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=150.0.
THE IV 19 02 57 57.3 38.29N 22.66E 12–2 1.1L
CSEM IV 19 02 57 57.3 38.29N 22.66E 12 1.1L ¶14191174
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=316.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC IV 20 18 04 06.0–.89 38.52N–.02 21.65E–.02 18–3 139 0-3
ATH IV 20 18 04 05.6 38.51N 21.60E 15–0 3.4 ¶14191209
CSEM IV 20 18 04 05.9–.15 38.52N 21.64E 9–0 2.9L
ISCJB IV 20 18 04 06.4–.36 38.52N–.02 21.66E–.03 16–5 2.9L
THE IV 20 18 04 06.3 38.52N 21.68E 16–0 2.9L
ISC Event type ke.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=25.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=129.0.
ISC IV 20 23 34 05.2–1.1 39.85N–.02 22.01E–.03 7–12 43 0-1
CSEM IV 20 23 34 04.7–.12 39.85N 22.01E 10 3.0 ¶14191211
ISCJB IV 20 23 34 04.0–.71 39.88N–.03 22.03E–.05 2–7 3.0
THE IV 20 23 34 05.1 39.85N 22.02E 2–18 1.6L
ATH IV 20 23 34 05.0 39.85N 22.01E 6 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=172.1.
THE Event type ke. Error ellipse: s-maj=18.7km s-min=0.5km az=0.0.
ATH Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
ISC IV 21 00 18 03.0–.94 38.16N–.03 22.68E–.03 25–8 44 0-1
ATH IV 21 00 18 03.8 38.19N 22.67E 4 2.8 ¶14191213
CSEM IV 21 00 18 03.3–.17 38.16N 22.69E 20 1.5L
ISCJB IV 21 00 18 03.4–.77 38.15N–.03 22.69E–.05 23–9 1.5L
THE IV 21 00 18 03.5 38.14N 22.68E 19–2 1.5L
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.8km az=9.7.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=193.0.
ISC IV 21 12 45 45.8–.93 38.80N–.01 21.12E–.01 12–6 3.9b 283 0-122
IDC IV 21 12 45 43.3–.86 38.77N 21.12E 0 4.0L,3.9 ¶12832519
CSEM IV 21 12 45 45.9–.11 38.79N 21.12E 2 3.3,3.9
PDG IV 21 12 45 46.0–.61 38.82N 21.11E 8–1 3.7L,3.9
ATH IV 21 12 45 45.6 38.84N 21.11E 11–1 4.0L,3.3
THE IV 21 12 45 46.2 38.81N 21.11E 0–1 3.8L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=17.5km s-min=17.0km az=91.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=60.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=202.0.
ISC IV 21 19 47 27.5–.89 38.10N–.02 23.29E–.02 13–7 83 0-2
CSEM IV 21 19 47 27.8–.12 38.11N 23.27E 8 2.3L ¶14191235
ISCJB IV 21 19 47 27.5–.47 38.12N–.02 23.29E–.03 11–4 2.3L
THE IV 21 19 47 27.7 38.10N 23.28E 9–3 2.3L
ATH IV 21 19 47 28.1 38.10N 23.28E 16–1 2.9,1.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=34.0.

ISCJB		Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=27.4.						
THE		Event type ke. Error ellipse: s-maj=3.7km s-min=0.4km az=202.0.						
ATH		Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.						
ISC	**IV**	**21 22 30 21.6–.88**	**40.41N–.03**	**23.84E–.04**	**17–7**		**28**	**0-1**
CSEM	IV	21 22 30 21.3–.10	40.41N	23.87E	15	1.9L		¶14191237
ISCJB	IV	21 22 30 21.3–.67	40.39N–.04	23.83E–.07	21–6	1.9L		
ATH	IV	21 22 30 21.5	40.38N	23.70E	37–0	2.7		
THE	IV	21 22 30 22.1	40.43N	23.84E	10–2	1.9L		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=3.1km s-min=1.6km az=77.0.						
ISCJB		Event type ke. Error ellipse: s-maj=9.0km s-min=6.6km az=154.0.						
ATH		Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=2.2km s-min=0.4km az=134.0.						
ISC	**IV**	**22 02 06 51.6–.95**	**40.53N–.03**	**23.26E–.03**	**14–7**		**69**	**0-4**
ISCJB	IV	22 02 06 50.7–1.4	40.50N–.04	23.26E–.04	5–12			¶14694523
ATH	IV	22 02 06 51.4	40.50N	23.26E	24–0	3.1		
CSEM	IV	22 02 06 51.7–.26	40.54N	23.23E	10	3.1		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=169.4.						
ATH		Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=6.7km s-min=5.3km az=135.0.						
ISC	**IV**	**22 07 57 19.5–.99**	**38.38N–.03**	**22.42E–.03**	**24–7**		**53**	**0-1**
ATH	IV	22 07 57 19.6	38.41N	22.44E	26–1	2.7		¶14191242
CSEM	IV	22 07 57 19.7–.27	38.38N	22.41E	25–2	2.4L		
ISCJB	IV	22 07 57 19.7–.66	38.37N–.04	22.43E–.04	31–4	2.4L		
THE	IV	22 07 57 20.5	38.40N	22.42E	17–1	2.4L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=6.7km s-min=3.9km az=143.0.						
ISCJB		Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=151.0.						
THE		Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=159.0.						
ATH	**IV**	**22 14 44 24.7**	**38.55N**	**22.30E**	**17–5**	**2.6**		
CSEM	IV	22 14 44 24.1	38.54N	22.34E	19	2.6		¶14694528
ATH		Error ellipse: s-maj=1.3km s-min=3.1km az=-1.0.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ISC	**IV**	**22 15 09 32.2–1.3**	**38.82N–.03**	**21.57E–.09**	**18–3**		**33**	**0-1**
ISCJB	IV	22 15 09 31.8–1.3	38.83N–.03	21.53E–.08	12–5			¶14191246
CSEM	IV	22 15 09 32.8–.45	38.83N	21.65E	30	2.9		
THE	IV	22 15 09 33.0	38.82N	21.60E	18–0	2.2L		
ATH	IV	22 15 09 33.3	38.80N	21.95E	14–3	2.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=11.1km s-min=5.3km az=7.1.						
CSEM		Event type ke. Error ellipse: s-maj=12.4km s-min=5.7km az=98.0.						
THE		Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=284.0.						
ATH		Error ellipse: s-maj=0.7km s-min=2.0km az=-1.0.						
ISC	**IV**	**23 05 14 18.6–.98**	**38.50N–.02**	**21.38E–.02**	**13–11**		**80**	**0-2**
CSEM	IV	23 05 14 18.4–.19	38.53N	21.37E	2	2.6L		¶14191249
ISCJB	IV	23 05 14 18.9–.41	38.50N–.03	21.37E–.03	21–5	2.6L		
THE	IV	23 05 14 18.5	38.52N	21.38E	17–1	2.6L		
ATH	IV	23 05 14 18.4	38.50N	21.36E	20–2	2.9		
ISC		Event type ke.						
CSEM		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=175.2.						
THE		Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=197.0.						
ATH		Error ellipse: s-maj=1.3km s-min=1.0km az=-1.0.						
ISC	**IV**	**23 13 45 06.2–.00**	**38.16N–.03**	**22.70E–.03**	**13–10**		**30**	**0-1**
ISCJB	IV	23 13 45 05.9–.53	38.16N–.03	22.68E–.04	11–6			¶14191255
THE	IV	23 13 45 05.6	38.16N	22.69E	16–3	1.8L		
CSEM	IV	23 13 45 05.8–.12	38.17N	22.71E	10	1.8L		
ATH	IV	23 13 45 06.1	38.15N	22.67E	5–2	3.0		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=39.1.						
THE		Event type ke. Error ellipse: s-maj=3.1km s-min=0.6km az=153.0.						
CSEM		Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=59.0.						
ATH		Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.						
ISC	**IV**	**24 01 46 04.9–.92**	**40.45N–.02**	**23.95E–.03**	**15–7**		**39**	**0-1**
ATH	IV	24 01 46 03.4	40.41N	24.05E	28–4	3.1		¶14191267
ISCJB	IV	24 01 46 04.3–.50	40.41N–.03	23.97E–.05	22–5	3.1		
CSEM	IV	24 01 46 04.3–.20	40.45N	23.98E	15	1.5L		
THE	IV	24 01 46 05.2	40.47N	23.94E	5–7	1.5L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=6.1km s-min=5.2km az=170.4.						
CSEM		Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=80.0.						
THE		Event type ke. Error ellipse: s-maj=7.8km s-min=0.6km az=174.0.						
ISC	**IV**	**24 08 30 50.9–.85**	**38.37N–.02**	**21.83E–.02**	**12–4**		**79**	**0-1**
CSEM	IV	24 08 30 50.8–.11	38.37N	21.84E	10	2.0L		¶14191272
THE	IV	24 08 30 50.6	38.38N	21.80E	11–2	2.0L		
ISCJB	IV	24 08 30 51.1–.38	38.37N–.02	21.84E–.03	11–2	2.0L		
ATH	IV	24 08 30 51.2	38.36N	21.83E	12–1	3.0		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=117.0.						
THE		Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=86.0.						
ISCJB		Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=34.2.						
ATH		Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.						
CSEM	**IV**	**26 06 44 49.9–.18**	**38.16N**	**22.61E**	**20**	**1.5L**		
THE	IV	26 06 44 50.7	38.19N	22.60E	17–2	1.5L		¶14191319
ATH	IV	26 06 44 50.2	38.14N	22.58E	22–1	2.9		
CSEM		Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=137.0.						
THE		Event type ke. Error ellipse: s-maj=2.4km s-min=0.5km az=339.0.						
ATH		Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.						
ISC	**IV**	**27 15 12 36.3–.95**	**40.86N–.03**	**21.84E–.02**	**14–8**		**35**	**0-1**
ISCJB	IV	27 15 12 36.3–.64	40.86N–.04	21.84E–.04	9–6			¶14191346
THE	IV	27 15 12 36.2	40.87N	21.84E	12–5	1.9L		
CSEM	IV	27 15 12 36.8–.35	40.83N	21.83E	10	2.8		
SKO	IV	27 15 12 37.4	40.79N	21.74E	15	2.8		
ATH	IV	27 15 12 37.4	40.73N	21.73E	22–6	2.8		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=174.6.						
THE		Event type ke. Error ellipse: s-maj=5.7km s-min=0.4km az=284.0.						
CSEM		Event type ke. Error ellipse: s-maj=8.8km s-min=5.9km az=171.0.						
ATH		Error ellipse: s-maj=2.7km s-min=2.9km az=-1.0.						
ISC	**IV**	**27 15 39 15.6–1.0**	**38.02N–.05**	**21.58E–.02**	**24–5**		**55**	**0-1**
ATH	IV	27 15 39 14.9	38.05N	21.56E	29–2	3.1		¶14191348
ISCJB	IV	27 15 39 15.8–.70	38.04N–.06	21.57E–.03	26–6	3.1		
CSEM	IV	27 15 39 15.6–.22	38.02N	21.58E	20	3.1		
THE	IV	27 15 39 16.4	38.07N	21.57E	20–0	2.7L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=1.9km s-min=1.0km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=9.5km s-min=4.0km az=169.5.						
CSEM		Event type ke. Error ellipse: s-maj=6.5km s-min=2.9km az=170.0.						
THE		Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=176.0.						
ISC	**IV**	**27 20 10 26.3–.00**	**38.11N–.03**	**21.55E–.03**	**19–2**		**63**	**0-1**
THE	IV	27 20 10 25.9	38.10N	21.54E	20–1	2.0L		¶14191356
CSEM	IV	27 20 10 25.9–.22	38.07N	21.58E	13–1	2.0L		
ISCJB	IV	27 20 10 26.3–.66	38.10N–.05	21.54E–.04	18–8	2.0L		
ATH	IV	27 20 10 27.0	38.10N	21.58E	8–5	2.5		
ISC		Event type ke.						
THE		Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=174.0.						
CSEM		Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=159.0.						
ISCJB		Event type ke. Error ellipse: s-maj=8.4km s-min=4.4km az=160.1.						
ATH		Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.						
THE	**IV**	**29 08 18 08.1**	**40.42N**	**21.86E**	**3–1**	**1.9L**		
ATH	IV	29 08 18 07.6	40.42N	21.88E	5–2	2.9		¶14191400
CSEM	IV	29 08 18 07.5–.17	40.42N	21.87E	8	1.9L		
THE		Event type ke. Error ellipse: s-maj=1.8km s-min=0.3km az=248.0.						
ATH		Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=52.0.						
ISC	**IV**	**29 15 08 23.4–.95**	**40.78N–.03**	**21.72E–.02**	**12–8**		**42**	**0-2**
SKO	IV	29 15 08 22.7	40.76N	21.73E	22	1.9L,1.5		¶14191406
ISCJB	IV	29 15 08 23.4–.49	40.76N–.04	21.71E–.04	8–7	1.9L,1.5		
THE	IV	29 15 08 23.7	40.78N	21.70E	10–4	2.0L,1.5		
ATH	IV	29 15 08 23.2	40.77N	21.71E	18–4	2.8,1.5		
CSEM	IV	29 15 08 23.5–.17	40.77N	21.72E	10	2.8,1.5		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=7.3km s-min=4.0km az=151.4.						
THE		Event type ke. Error ellipse: s-maj=4.7km s-min=0.4km az=313.0.						
ATH		Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=143.0.						
THE	**V**	**01 06 31 07.4**	**38.98N**	**23.23E**	**14–2**	**1.5L**		
CSEM	V	01 06 31 07.4	38.98N	23.23E	14	1.5L		¶14301430
THE		Event type ke. Error ellipse: s-maj=2.5km s-min=0.5km az=138.0.						
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.						
ISC	**V**	**01 13 26 04.1–.85**	**38.76N–.02**	**23.41E–.02**	**16–6**		**60**	**0-1**
CSEM	V	01 13 26 03.9–.09	38.75N	23.40E	10	1.8L		¶14301436
THE	V	01 13 26 03.9	38.73N	23.40E	17–0	1.8L		
ATH	V	01 13 26 04.3	38.75N	23.40E	9–8	2.6,2.0L		
ISCJB	V	01 13 26 04.1–.45	38.76N–.02	23.41E–.03	12–3	2.6,2.0L		
ISC		Event type ke.						
CSEM		Event type ke.						
THE		Event type ke.						
ISCJB		Event type ke.						
ISC	**V**	**01 14 41 10.3–.70**	**38.40N–.01**	**22.01E–.01**	**10–4**	**3.5b**	**169**	**0-44**
IDC	V	01 14 41 09.7–1.4	38.57N	22.03E	0	3.5b,3.4		¶13439255
THE	V	01 14 41 09.5	38.40N	22.01E	13–0	3.5L,3.4		
ATH	V	01 14 41 09.5	38.39N	22.00E	13–0	3.3,3.0L		
CSEM	V	01 14 41 09.7–.11	38.38N	22.03E	2	3.5L,3.0L		
ISCJB	V	01 14 41 09.6–.25	38.40N–.01	22.01E–.02	8–2	3.4b,3.0s		
ISC		Event type ke.						
THE		Event type ke.						
CSEM		Event type ke.						
ISCJB		Event type ke.						
ISC	**V**	**02 08 08 41.4–.92**	**40.41N–.02**	**21.89E–.03**	**8–8**		**48**	**0-2**
ATH	V	02 08 08 41.7	40.41N	21.90E	5–2	3.0		¶14301462
CSEM	V	02 08 08 41.5–.25	40.44N	21.93E	2	2.0L		
ISCJB	V	02 08 08 41.2–.61	40.43N–.03	21.93E–.04	1–7	2.0L		
THE	V	02 08 08 42.2	40.39N	21.90E	2–40	2.0L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=6.4km s-min=4.8km az=41.0.						
ISCJB		Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=43.6.						
THE		Event type ke. Error ellipse: s-maj=40.4km s-min=0.9km az=229.0.						
ISC	**V**	**02 20 40 22.6–.97**	**40.07N–.02**	**21.72E–.03**	**9–8**		**65**	**0-3**
SKO	V	02 20 40 20.5	39.91N	21.59E	0			¶14301470
THE	V	02 20 40 22.8	40.07N	21.72E	4–14	2.2L		
ATH	V	02 20 40 22.9	40.07N	21.75E	6–3	3.0,2.6L		
CSEM	V	02 20 40 22.3–.20	40.09N	21.74E	1–2	2.2L,2.6L		
ISC		Event type ke.						
THE		Event type ke. Error ellipse: s-maj=14.5km s-min=0.6km az=46.0.						
ATH		Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=69.0.						
ISC	**V**	**03 02 46 15.7–.98**	**38.38N–.02**	**23.39E–.03**	**12–9**		**54**	**0-1**
ISCJB	V	03 02 46 14.9–.63	38.36N–.03	23.42E–.04	4–6			¶14301505
THE	V	03 02 46 15.7	38.37N	23.39E	11–12	1.6L		
ATH	V	03 02 46 15.6	38.37N	23.39E	5–1	2.6,1.7L		
CSEM	V	03 02 46 15.4–.11	38.37N	23.40E	10	1.6L,1.7L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=150.0.						
THE		Event type ke. Error ellipse: s-maj=12.3km s-min=1.1km az=324.0.						
ATH		Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=70.0.						
ISC	**V**	**05 16 54 46.9–1.3**	**38.27N–.03**	**20.41E–.06**	**8–8**		**65**	**0-3**
ATH	V	05 16 54 44.2	38.19N	20.22E	5–3	3.5		¶14301567
CSEM	V	05 16 54 46.7–.45	38.29N	20.42E	2	2.4L		
THE	V	05 16 54 47.5	38.30N	20.46E	7–1	2.4L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=9.4km s-min=5.2km az=73.0.						
THE		Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=67.0.						
ATH	**V**	**06 08 28 50.5**	**38.13N**	**22.66E**	**26–10**	**3.5**		
CSEM	V	06 08 28 50.5	38.13N	22.66E	26	3.5		¶14695007
ATH		Error ellipse: s-maj=2.3km s-min=1.3km az=-1.0.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
THE	**V**	**07 12 10 59.6**	**38.37N**	**22.36E**	**16–1**	**1.4L**		
CSEM	V	07 12 10 59.6	38.37N	22.36E	16	1.4L		¶14301652
THE		Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=163.0.						
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.						
THE	**V**	**07 13 22 21.1**	**40.72N**	**21.45E**	**7–3**	**1.6L**		
CSEM	V	07 13 22 20.9–.16	40.73N	21.43E	5	1.6L		¶14301654
THE		Event type ke. Error ellipse: s-maj=3.7km s-min=0.9km az=319.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=80.0.						
ISC	**V**	**08 11 33 04.0–.90**	**40.18N–.02**	**21.05E–.03**	**14–7**		**62**	**0-2**
ATH	V	08 11 33 02.7	40.23N	21.06E	15–4	3.1		¶14301708
CSEM	V	08 11 33 03.8–.28	40.17N	21.04E	10	2.4L		
THE	V	08 11 33 04.1	40.13N	21.02E	0–2	2.4L		
ISCJB	V	08 11 33 04.1–.56	40.14N–.03	21.04E–.04	10–5	2.4L		
ISC		Event type ke.						
CSEM		Event type ke.						
THE		Event type ke.						
ISCJB		Event type ke.						
ISC	**V**	**08 16 28 34.9–.98**	**38.41N–.02**	**21.97E–.03**	**12–5**		**49**	**0-1**
CSEM	V	08 16 28 34.8–.10	38.41N	21.96E	8	1.8L		¶14301716
ISCJB	V	08 16 28 34.9–.43	38.41N–.03	21.96E–.04	11–3	1.8L		
THE	V	08 16 28 35.0	38.41N	21.97E	12–1	1.8L		
ATH	V	08 16 28 35.3	38.42N	21.95E	9–2	2.5		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=94.0.						
ISCJB		Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=23.5.						
THE		Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=124.0.						
ATH		Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.						
ISC	**V**	**09 01 46 03.3–.42**	**38.13N–.01**	**22.73E–.01**	**14–2**	**4.3b,3.5s**	**738**	**0-120**
IDC	V	09 01 46 00.6–.67	38.11N	22.70E	0	4.1,4.0		¶12788518
ATH	V	09 01 46 02.6	38.13N	22.73E	23–0	3.9L,3.4		
BJI	V	09 01 46 02.4	38.82N	22.60E	7	4.8b,4.6b		
THE	V	09 01 46 02.9	38.13N	22.73E	15–0	4.3L,4.6b		
ISCJB	V	09 01 46 03.3–.21	38.14N–.01	22.73E–.01	21–2	4.3b,3.8s		
CSEM	V	09 01 46 03.0–.08	38.13N	22.74E	8	4.3b,3.0s		
NEIC	V	09 01 46 03.5–.62	38.07N	22.80E	13–4	4.4b,3.9L		
MOS	V	09 01 46 04.7–1.1	38.13N	22.80E	33	4.5b,3.9L		
ISC		Event type fe.						
IDC		Error ellipse: s-maj=14.7km s-min=12.7km az=1.0.						
ATH		Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=69.0.						
ISCJB		Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=12.9.						
CSEM		Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=28.0.						
NEIC		Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=199.0. Felt at Corinth, Loutrakion and Sikion.						
MOS		Error ellipse: s-maj=5.4km s-min=3.2km az=116.0.						
ISC	**V**	**10 08 16 50.6–1.8**	**38.40N–.04**	**21.87E–.06**	**8–7**		**20**	**0-4**
ISCJB	V	10 08 16 49.7–1.2	38.43N–.07	21.9E–.10	12–7			¶14695115
CSEM	V	10 08 16 50.8	38.43N	21.91E	7	2.6		
ATH	V	10 08 16 50.8	38.43N	21.91E	7–0	2.6		
SOF	V	10 08 17 46.5	41.26N	22.72E	8	2.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=14.8km s-min=9.6km az=144.1.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ATH		Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.						
ATH	**V**	**10 21 14 53.3**	**39.26N**	**21.58E**	**28–1**	**2.8**		
CSEM	V	10 21 14 53.3	39.26N	21.58E	28	2.8		¶14695141
ATH		Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ISC	**V**	**12 05 57 40.0–.95**	**38.74N–.01**	**21.30E–.02**	**12–7**	**3.5b**	**207**	**0-45**

IDC V 12 05 57 37.6–1.6 38.66N 21.23E 0 3.6b,3.6 **¶12906368**
CSEM V 12 05 57 39.9–.10 38.75N 21.31E 2 3.6L,3.6
ISCJB V 12 05 57 39.7–.50 38.74N–.02 21.27E–.02 10–3 3.5b,2.6s
ATH V 12 05 57 40.0 38.73N 21.31E 18–1 3.5,3.3L
PDG V 12 05 57 40.3–.54 38.77N 21.32E 9–1 3.3L,3.3L
THE V 12 05 57 40.0 38.74N 21.30E 0–1 3.4L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=47.7km s-min=21.0km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=135.3.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.7km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=273.0.
ISC V 13 02 55 05.1–.88 40.14N–.02 23.97E–.03 14–6 58 0-1
CSEM V 13 02 55 04.9–.10 40.14N 23.98E 10 1.8L **¶14301884**
THE V 13 02 55 05.3 40.15N 23.97E 8–1 1.8L
ATH V 13 02 55 05.0 40.15N 23.98E 19–4 2.6
ISCJB V 13 02 55 05.0–.57 40.14N–.02 23.97E–.04 9–4 2.6
ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.
ISC V 13 08 41 49.8–1.1 40.80N–.03 22.98E–.03 17–8 29 0-1
ATH V 13 08 41 49.4 40.86N 23.02E 23–7 2.8 **¶14301888**
CSEM V 13 08 41 49.5–.08 40.79N 22.97E 15 1.7L
ISCJB V 13 08 41 49.2–.96 40.78N–.04 23.00E–.05 26–7 1.7L
THE V 13 08 41 50.2 40.82N 22.99E 13–3 1.7L
ISC Event type ke.
ATH Error ellipse: s-maj=6.1km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.6km az=33.8.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.5km az=197.0.
CSEM V 14 02 16 50.4 38.36N 22.01E 9 2.5
ATH V 14 02 16 50.3 38.36N 22.02E 10–0 2.5 **¶14695206**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
ISC V 14 02 17 37.8–.91 38.55N–.02 21.90E–.03 18–3 62 0-1
ISCJB V 14 02 17 37.5–.54 38.54N–.02 21.89E–.05 26–4 **¶16374818**
ATH V 14 02 17 37.5 38.54N 21.91E 23–0
THE V 14 02 17 38.0 38.55N 21.90E 18–0 1.6L
CSEM V 14 02 17 49.4–.19 38.53N 21.90E 20 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.1km az=6.4.
ATH Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=261.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=3.2km az=90.0.
ATH V 14 02 17 48.3 38.55N 21.83E 25–1 2.8
CSEM V 14 02 17 37.6–.14 38.54N 21.90E 20 1.6L **¶14301927**
THE V 14 02 17 50.0 38.55N 21.90E 17–0 2.1L
ATH Error ellipse: s-maj=1.0km s-min=2.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.3km az=94.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=100.0.
ISC V 15 07 26 57.4–.95 38.05N–.03 21.51E–.02 18–2 73 0-2
THE V 15 07 26 57.5 38.04N 21.50E 18–0 2.6L **¶14301980**
CSEM V 15 07 26 57.9–.22 38.09N 21.49E 15 3.3
ISCJB V 15 07 26 58.3–.46 38.11N–.04 21.49E–.03 18–4 3.3
ATH V 15 07 26 58.2 38.06N 21.49E 15–1 3.3
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=166.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.8km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=161.7.
ATH Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0.
ISC V 16 12 56 19.7–.83 38.12N–.02 22.68E–.02 12–6 3.6b 149 0-77
ISCJB V 16 12 56 19.5–.47 38.11N–.02 22.69E–.02 14–3 3.6b **¶13679056**
THE V 16 12 56 19.6 38.11N 22.69E 0–1 3.5L
ATH V 16 12 56 19.2 38.11N 22.69E 19–0 3.4,3.2L
CSEM V 16 12 56 19.6–.14 38.12N 22.69E 10 3.4,3.2L
IDC V 16 12 56 21.0–5.0 38.73N 22.61E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=167.7.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=74.0.
ATH Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=93.0.
IDC Error ellipse: s-maj=149.0km s-min=24.1km az=177.0.
ISC V 16 13 16 05.5–.94 38.13N–.03 22.67E–.02 14–10 34 0-1
ISCJB V 16 13 16 05.7–.76 38.11N–.04 22.67E–.04 10–12 **¶14302023**
THE V 16 13 16 05.2 38.10N 22.67E 17–3 1.8L
CSEM V 16 13 16 05.5–.14 38.10N 22.70E 10 1.8L
ATH V 16 13 16 06.2 38.10N 22.67E 4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=15.9.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.6km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=23.0.
ATH Error ellipse: s-maj=1.5km s-min=0.9km az=-1.0.
ISC V 16 15 27 44.5–.96 38.82N–.02 23.16E–.02 10–6 54 0-1
CSEM V 16 15 27 43.8–.10 38.82N 23.15E 11–0 1.8L **¶14302028**
ISCJB V 16 15 27 44.1–.40 38.84N–.02 23.15E–.03 11–3 1.8L
THE V 16 15 27 44.4 38.82N 23.17E 10–1 1.8L
ATH V 16 15 27 44.4 38.83N 23.15E 5 2.8,2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=125.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=25.2.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=281.0.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
ISC V 16 19 42 32.6–.89 38.12N–.02 22.68E–.02 12–8 61 0-1
ISCJB V 16 19 42 32.2–.44 38.13N–.02 22.68E–.03 9–4 **¶14302037**
CSEM V 16 19 42 32.1–.08 38.13N 22.69E 15 2.7
ATH V 16 19 42 32.6 38.12N 22.68E 11–4 2.7
THE V 16 19 42 32.6 38.13N 22.68E 10–4 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.9km az=152.4.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=8.0.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=0.6km az=85.0.
THE V 17 11 47 28.1 38.76N 23.48E 10–2 1.5L
CSEM V 17 11 47 28.1 38.76N 23.48E 10 1.5L **¶14302076**
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.4km az=153.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC V 17 11 59 04.6–.58 38.12N–.01 22.69E–.01 18–3 4.8b,4.0s 863 0-130
PDG V 17 11 58 59.0–.31 37.83N 22.96E 4–1 4.1L,4.0s **¶12828760**
BEO V 17 11 59 01.0–1.2 37.92N 22.79E 0 4.3L,4.0s
IDC V 17 11 59 01.4–.56 38.15N 22.79E 0 4.4,4.4b
ISCJB V 17 11 59 02.8–.30 38.14N–.01 22.73E–.01 11–2 4.7b,4.0s
ATH V 17 11 59 03.1 38.12N 22.69E 19–0 3.4,4.0s
THE V 17 11 59 03.6 38.13N 22.69E 5–0 4.5L,4.0s
NEIC V 17 11 59 03.1 38.12N 22.69E 19 4.7b,4.5L
BJI V 17 11 59 04.0 38.29N 21.86E 45 5.0b,4.8s
GCMT V 17 11 59 04.5–.60 37.83N 22.64E 21–1 4.9W,4.8s
CSEM V 17 11 59 04.3–.11 38.12N 22.72E 15 4.8W,4.6b
MOS V 17 11 59 05.7–1.2 38.19N 22.80E 33 5.0b,4.6b
SOF V 17 11 59 22.7 39.49N 23.46E 19 4.3,4.6b
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=90.0.
BEO Event type ke.
IDC Error ellipse: s-maj=13.1km s-min=12.0km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=21.6.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=218.0.
NEIC Event type se. After ATH.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s20,c23; s54,c73; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.66±.20 $M_{\theta\theta}$2.16±.13; $M_{\phi\phi}$0.50±.12; $M_{r\theta}$-1.06±.20; $M_{\theta\phi}$-0.70±.07; $M_{\phi r}$-0.15±.22; Best double couple: NP1:ϕ_s298.00000°,δ35.00000°,λ-75.00000°. NP2:ϕ_s101.00000°,δ56.00000°,λ-100.00000°. Principal axes: T 2.5900,Plg10.0000° ,Azm198.0000°; N 0.3200,Plg8.0000°,Azm106.0000°; P -2.9100,Plg77.0000°,Azm338.0000° $M_0$2.80000×10^{16}
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=25.0.
MOS Error ellipse: s-maj=5.0km s-min=2.8km az=110.4.
ISC V 17 16 49 17.9–.90 39.03N–.02 21.52E–.02 11–7 3.7b 148 0-45
SKO V 17 16 49 10.2 38.47N 21.48E 0 3.7b **¶13679126**
THE V 17 16 49 17.8 39.02N 21.51E 11–0 3.3L
ISCJB V 17 16 49 17.6–.64 39.06N–.02 21.52E–.02 13–4 3.6b
ATH V 17 16 49 17.6 39.06N 21.56E 19–1 3.2
CSEM V 17 16 49 17.8–.14 39.00N 21.52E 10 3.2
IDC V 17 16 49 21.2–5.6 39.04N 21.61E 33–45 3.5,3.5b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=178.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=136.7.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=37.0.
IDC Error ellipse: s-maj=29.6km s-min=25.0km az=122.0.
ISC V 17 17 20 06.8–2.1 38.35N–.04 22.08E–.04 8–10 3.6b 18 0-45
CSEM V 17 17 20 06.7 38.35N 22.07E 8 2.2 **¶13679130**
ATH V 17 17 20 06.7 38.35N 22.07E 8–1 2.2
IDC V 17 17 20 17.4–1.7 39.04N 22.01E 0 3.6b,3.5
ISC Event type ke.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=102.3km s-min=24.8km az=141.0.
ATH V 17 19 53 10.4 38.41N 21.99E 11–0 2.9
CSEM V 17 19 53 10.4 38.41N 21.99E 11 2.9 **¶14695316**
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 17 19 59 06.7–1.3 38.12N–.02 22.66E–.02 9–9 48 0-1
ATH V 17 19 59 05.7 38.13N 22.68E 19–2 2.9 **¶14302087**
CSEM V 17 19 59 05.6–.16 38.11N 22.68E 15 1.6L
THE V 17 19 59 06.4 38.11N 22.65E 9–2 1.6L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=33.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=185.0.
ISC V 17 22 39 26.3–.31 38.11N–.01 22.69E–.01 9–1 4.4b,3.5s 872 0-130
BJI V 17 22 39 24.1 38.02N 22.28E 24 4.9b,4.6s **¶12834859**
NEIC V 17 22 39 25.8 38.12N 22.66E 22 4.5b,4.2L
ATH V 17 22 39 25.8 38.12N 22.66E 22–0 2.3,4.2L
BEO V 17 22 39 25.4–.82 38.02N 22.92E 0 3.9L,4.2L
ISCJB V 17 22 39 26.4–.21 38.11N–.01 22.69E–.01 19–2 4.3b,3.5s
CSEM V 17 22 39 26.2–.08 38.10N 22.69E 8 4.4b,3.0s
PDG V 17 22 39 26.1–.39 38.13N 22.67E 3–1 4.0L,3.0s
THE V 17 22 39 26.4 38.12N 22.68E 2–0 4.2L,3.0s
SKO V 17 22 39 27.0 38.22N 22.93E 0 4.2L,3.0s
MOS V 17 22 39 28.5–.99 38.18N 22.79E 33 4.7b,3.0s
IDC V 17 22 39 29.4–2.1 38.15N 22.74E 33–16 4.1,4.0
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=38.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=276.0.
MOS Error ellipse: s-maj=5.0km s-min=3.2km az=111.9.
IDC Error ellipse: s-maj=11.8km s-min=10.3km az=159.0.
ISC V 18 19 26 01.8–.74 38.12N–.02 22.06E–.02 12–4 3.7b 115 0-60
IDC V 18 19 26 00.6–1.2 38.20N 22.09E 0 3.6,3.6 **¶13679197**
ATH V 18 19 26 00.9 38.13N 22.07E 18–1 3.4L,2.9
ISCJB V 18 19 26 01.2–.36 38.14N–.01 22.06E–.02 12–2 3.5b,2.9
CSEM V 18 19 26 01.4–.11 38.11N 22.08E 8 2.9,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=20.0km az=170.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=153.7.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=66.0.
ISC V 19 14 50 13.4–.82 38.91N–.02 21.83E–.04 10–5 43 0-1
ISCJB V 19 14 50 13.9–.61 38.91N–.03 21.81E–.05 10–3 **¶14302168**
THE V 19 14 50 13.2 38.94N 21.73E 9–2 2.6L
ATH V 19 14 50 14.7 38.91N 21.85E 5–2 2.8
CSEM V 19 14 50 14.0–.12 38.91N 21.83E 8 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=14.9.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=117.0.
ATH Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=97.0.
ATH V 20 01 06 04.8 38.01N 22.46E 29–2 2.4
CSEM V 20 01 06 04.8 38.01N 22.46E 29 2.4 **¶14695348**
ATH Error ellipse: s-maj=1.9km s-min=1.3km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 20 11 19 49.3–.90 39.10N–.02 21.75E–.03 14–6 75 0-2
CSEM V 20 11 19 48.8–.18 39.10N 21.72E 13–1 2.3L **¶14302203**
ISCJB V 20 11 19 49.1–.68 39.11N–.02 21.74E–.04 14–3 2.3L
THE V 20 11 19 49.1 39.10N 21.73E 15–0 2.3L
ATH V 20 11 19 49.0 39.10N 21.76E 26–1 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=104.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=14.1.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=80.0.
ATH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
ISC V 21 04 19 57.5–.84 38.62N–.02 20.51E–.02 12–6 3.8b 323 0-45
IDC V 21 04 19 54.9–1.5 38.67N 20.65E 0 3.9,3.9L **¶12906378**
ISCJB V 21 04 19 56.3–.38 38.60N–.01 20.42E–.02 10–2 3.7b,2.5s
CSEM V 21 04 19 57.4–.13 38.60N 20.51E 5 3.6L,2.5s
BEO V 21 04 19 57.8–.93 38.64N 20.38E 0 3.3L,2.5s
ATH V 21 04 19 58.1 38.59N 20.52E 13–2 3.6L,3.5
PDG V 21 04 19 58.3–.82 38.63N 20.58E 15–1 3.6L,3.5
THE V 21 04 19 58.5 38.62N 20.61E 3–0 3.6L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=22.5km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=140.8.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=1.8km az=53.0.
BEO Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=1.6km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=90.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=257.0.
ISC V 21 15 28 26.3–.75 38.57N–.01 20.51E–.02 16–4 4.3b,4.2s 758 0-122
HLW V 21 15 28 20.7 38.90N 20.41E 33–34 3.9L,0.0 **¶13193073**
BJI V 21 15 28 24.3 38.63N 19.55E 52 5.0b,4.9s
TIR V 21 15 28 24.7 38.52N 20.60E 30 4.1L,4.9s
LDG V 21 15 28 24.0–.25 38.89N 20.82E 10 4.4b,2.8s
BEO V 21 15 28 24.8–.88 38.53N 20.26E 0 4.0L,2.8s
ISCJB V 21 15 28 24.6–.43 38.62N–.01 20.31E–.02 11–3 4.3b,4.2s
IDC V 21 15 28 24.2–.70 38.63N 20.53E 0 4.2,4.2L
MOS V 21 15 28 25.5–1.3 38.67N 20.38E 17 4.5b,4.2L
PDG V 21 15 28 26.8–.53 38.65N 20.48E 11–1 3.9L,4.2L
CSEM V 21 15 28 26.4–.13 38.62N 20.44E 10 4.4b,2.8s
NEIC V 21 15 28 27.0 38.59N 20.54E 13 4.2b,4.2L
ATH V 21 15 28 27.0 38.59N 20.54E 13–0 4.2L,3.7
THE V 21 15 28 27.2 38.59N 20.50E 0–2 4.4L,3.7
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=14.2km s-min=5.9km az=32.0.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=42.0.
IDC Error ellipse: s-maj=14.1km s-min=13.0km az=8.0.
MOS Error ellipse: s-maj=5.5km s-min=3.4km az=88.7.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.

CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.3km az=42.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.3km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=251.0.
ISC V 22 00 53 21.6–.89 39.11N–.02 22.04E–.02 16–7 84 0-1
ISCJB V 22 00 53 21.8–.46 39.11N–.02 22.01E–.04 23–3 **¶14302296**
THE V 22 00 53 21.9 39.11N 22.03E 16–0 2.2L
ATH V 22 00 53 21.4 39.11N 22.02E 22–1 2.9
CSEM V 22 00 53 21.3–.17 39.11N 22.03E 16–1 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=17.3.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=313.0.
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=99.0.
ISC V 22 10 37 28.1–.81 38.15N–.02 22.69E–.02 14–5 85 0-2
ISCJB V 22 10 37 28.3–.37 38.16N–.02 22.67E–.03 7–3 **¶14302302**
THE V 22 10 37 28.5 38.15N 22.68E 10–0 2.4L
ATH V 22 10 37 28.4 38.15N 22.67E 5–3 3.0
CSEM V 22 10 37 28.0–.14 38.15N 22.70E 8 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=173.7.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=230.0.
ATH Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=96.0.
ISC V 23 08 05 41.4–.86 40.32N–.03 21.91E–.02 9–6 60 0-2
ATH V 23 08 05 39.5 40.34N 21.88E 20–2 2.7 **¶14302346**
ISCJB V 23 08 05 41.7–.53 40.27N–.03 21.88E–.03 2–6 2.7
SKO V 23 08 05 41.7 40.20N 21.84E 28 2.7
CSEM V 23 08 05 41.9–.18 40.26N 21.90E 2 2.7
THE V 23 08 05 42.5 40.26N 21.90E 2–2 2.3L
ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=2.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=136.4.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=49.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=296.0.
ATH V 25 12 57 12.9 38.08N 23.61E 11–2 2.4,1.4L
¶14302471
ATH Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0.
ISC V 25 12 57 16.7–.96 38.87N–.03 22.60E–.03 14–6 44 0-1
ATH V 25 12 57 14.9 38.84N 22.70E 33 2.6 **¶14696335**
ISCJB V 25 12 57 16.4–.57 38.86N–.03 22.59E–.04 23–5 2.6
THE V 25 12 57 16.7 38.87N 22.60E 16–1 2.2L
CSEM V 25 12 57 17.1–.20 38.86N 22.59E 2 2.6
ISC Event type ke.
ATH Error ellipse: s-maj=2.9km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.6km az=140.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=137.0.
ATH V 27 01 56 23.3 38.14N 22.66E 5 2.9
CSEM V 27 01 56 23.3 38.14N 22.66E 5 2.9 **¶14696646**
ATH Error ellipse: s-maj=1.0km s-min=0.7km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 27 22 07 31.0–1.0 40.02N–.03 23.82E–.05 12–7 32 0-2
ISCJB V 27 22 07 30.7–.80 40.02N–.03 23.81E–.08 12–4 **¶14302564**
CSEM V 27 22 07 30.4–.36 40.01N 23.86E 12 2.7
THE V 27 22 07 31.8 40.05N 23.77E 2–12 1.4L
ATH V 27 22 07 31.5 39.99N 23.71E 15–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.2km az=14.4.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.3km az=96.0.
THE Event type ke. Error ellipse: s-maj=12.2km s-min=0.3km az=172.0.
ATH Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0.
ISC V 27 23 12 59.5–.72 38.33N–.02 21.82E–.02 8–4 3.6b 138 0-45
ATH V 27 23 12 56.0 38.15N 21.90E 4–2 3.2 **¶13679770**
ISCJB V 27 23 12 58.9–.33 38.35N–.02 21.80E–.02 6–2 3.5b
IDC V 27 23 12 58.8–1.3 38.23N 21.76E 0 3.6,3.5b
THE V 27 23 12 58.9 38.34N 21.81E 11–0 3.4L,3.5b
CSEM V 27 23 12 59.0–.11 38.32N 21.82E 2 3.3L,3.5b
ISC Event type ke.
ATH Error ellipse: s-maj=2.6km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=29.2.
IDC Error ellipse: s-maj=28.4km s-min=19.5km az=144.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=147.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=119.0.
ATH V 28 08 12 35.1 40.34N 21.85E 22 2.8
CSEM V 28 08 12 35.1 40.34N 21.85E 22 2.8 **¶14696732**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 28 10 19 32.6–.90 40.15N–.02 23.95E–.03 12–6 61 0-2
ISCJB V 28 10 19 32.8–.52 40.14N–.02 23.93E–.05 16–6 **¶14302659**
ATH V 28 10 19 32.2 40.15N 23.98E 19–2 2.9
THE V 28 10 19 32.7 40.16N 23.94E 6–1 2.2L
CSEM V 28 10 19 32.2–.19 40.15N 23.96E 8 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=6.0.
ATH Error ellipse: s-maj=0.9km s-min=1.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=186.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=91.0.
ISC V 29 03 57 24.0–1.7 38.04N–.05 20.05E–.05 1–11 73 0-5
ATH V 29 03 57 24.0 38.40N 20.00E 17–1 3.3 **¶14302721**
CSEM V 29 03 57 25.9–.51 38.07N 20.13E 2 2.7L
THE V 29 03 57 28.5 38.14N 20.28E 1–2 2.7L
ISC Event type ke.
ATH Error ellipse: s-maj=4.0km s-min=2.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=5.7km az=40.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.4km az=221.0.
ISC V 29 06 09 01.7–.92 38.09N–.02 23.48E–.02 15–8 45 0-1
ISCJB V 29 06 09 02.0–.44 38.07N–.03 23.47E–.03 13–4 **¶14302722**
THE V 29 06 09 01.8 38.09N 23.49E 14–1 2.0L
CSEM V 29 06 09 01.6–.17 38.08N 23.47E 18–2 2.6
ATH V 29 06 09 03.9 37.77N 23.78E 6 2.6,2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=32.9.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=218.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.8km az=36.0.
ATH Error ellipse: s-maj=2.0km s-min=2.8km az=-1.0.
ISC V 29 13 57 54.9–.75 39.01N–.01 22.29E–.01 13–4 155 0-3
ISCJB V 29 13 57 54.7–.34 39.00N–.02 22.29E–.02 11–2 **¶14302736**
THE V 29 13 57 54.8 39.00N 22.28E 9–0 3.1L
CSEM V 29 13 57 54.5–.11 39.01N 22.29E 8 2.8
ATH V 29 13 57 54.4 39.01N 22.32E 20–0 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=137.8.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=162.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=108.0.
ATH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
ISC V 29 13 58 28.6–1.4 38.99N–.03 22.28E–.03 12–7 40 0-1
ISCJB V 29 13 58 28.6–.56 38.99N–.03 22.27E–.04 14–4 **¶14302734**
THE V 29 13 58 28.9 38.97N 22.29E 10–1 2.9L
CSEM V 29 13 58 28.9 38.97N 22.29E 10 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.2km az=141.5.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=346.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC V 29 17 47 33.0–.84 38.54N–.01 23.44E–.01 12–6 285 0-43
IDC V 29 17 47 30.9–2.6 38.64N 23.18E 0 3.4b,3.3 **¶13679914**
ATH V 29 17 47 31.8 38.58N 23.49E 16–1 4.1L,3.5
ISCJB V 29 17 47 32.2–.29 38.54N–.01 23.47E–.02 8–2 3.2b,2.6s
THE V 29 17 47 32.3 38.53N 23.44E 0–1 3.7L,2.6s
CSEM V 29 17 47 32.4–.09 38.53N 23.45E 5 3.7L,2.6s
ISC Event type ke.
IDC Error ellipse: s-maj=156.9km s-min=27.4km az=147.0.

ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=14.5.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=255.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=89.0.
ISC VI 02 05 07 34.4–.00 40.27N–.02 21.94E–.02 4–8 121 0-7
ATH VI 02 05 07 34.6 40.25N 21.93E 9–1 3.6 **¶13439873**
THE VI 02 05 07 35.3 40.27N 21.93E 0–3 3.3L
CSEM VI 02 05 07 35.4–.18 40.24N 21.97E 2 3.3L
SKO VI 02 05 07 35.8 40.26N 21.97E 2 3.1L,2.7
TIR VI 02 05 07 37.0–3.4 40.38N 21.73E 0–28 3.1L,2.7
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=88.0.
TIR Error ellipse: s-maj=17.4km s-min=26.8km az=-1.0.
ISC VI 04 07 51 44.2–.81 38.16N–.02 20.42E–.03 17–5 3.9b 192 0-46
IDC VI 04 07 51 42.1–1.4 38.28N 20.44E 0 3.8,3.8b **¶13680445**
ISCJB VI 04 07 51 43.4–.59 38.15N–.02 20.35E–.03 7–3 3.7b,3.8b
ATH VI 04 07 51 44.3 38.21N 20.44E 15–1 3.7L,3.4
CSEM VI 04 07 51 44.1–.26 38.16N 20.41E 2 4.0L,3.4
THE VI 04 07 51 46.6 38.18N 20.51E 10–31 3.7L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=22.9km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=44.9.
ATH Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.0km az=41.0.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=1.1km az=0.0.
ISC VI 05 02 36 03.9–.49 38.02N–.02 21.84E–.02 55–3 4.1b 512 0-121
IDC VI 05 02 36 02.9–1.8 38.02N 21.93E 45–17 4.0,4.0 **¶13195084**
PDG VI 05 02 36 03.6–.58 38.00N 21.79E 58–2 4.4L,4.0
ISCJB VI 05 02 36 03.9–.16 38.06N–.01 21.84E–.02 67–1 4.0b,4.0
CSEM VI 05 02 36 04.7–.11 38.01N 21.81E 57–2 4.1L,2.4s
ATH VI 05 02 36 04.5 38.03N 21.86E 56–1 4.0L,3.7
TIR VI 05 02 36 05.8–3.3 38.83N 21.91E 0–214 4.0L,3.7
THE VI 05 02 36 05.6 38.01N 21.84E 48–1 4.1L,3.7
HLW VI 05 02 36 06.4 37.69N 22.58E 20–19 4.5,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=13.1km az=7.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.7km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=43.3.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=45.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
TIR Error ellipse: s-maj=200.8km s-min=200.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=17.0.
ATH VI 05 23 17 38.9 38.32N 21.84E 7–1 2.8
CSEM VI 05 23 17 38.9 38.32N 21.84E 7 2.8 **¶14697058**
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 06 03 01 06.6–.79 38.32N–.02 20.49E–.03 15–5 3.6b 190 0-46
IDC VI 06 03 01 03.7–1.4 38.48N 20.55E 0 3.6b,3.5 **¶13680651**
ATH VI 06 03 01 07.0 38.30N 20.54E 14–0 3.4,3.3L
THE VI 06 03 01 07.2 38.33N 20.51E 0–1 3.5L,3.3L
CSEM VI 06 03 01 07.0–.19 38.31N 20.52E 5 3.4,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=28.9km s-min=21.2km az=114.0.
ATH Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=243.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.3km az=61.0.
ISC VI 06 11 24 23.1–.96 40.42N–.03 21.88E–.04 8–10 28 0-1
ISCJB VI 06 11 24 23.0–.69 40.43N–.04 21.90E–.07 6–12 **¶14305710**
ATH VI 06 11 24 23.2 40.43N 21.86E 5–4 3.2
THE VI 06 11 24 23.5 40.42N 21.89E 8–3 1.9L
CSEM VI 06 11 24 23.2–.13 40.42N 21.90E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=6.2km az=173.7.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.6km az=206.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=141.0.
ATH VI 06 21 41 02.1 40.79N 22.63E 4 3.0
CSEM VI 06 21 41 02.1 40.79N 22.63E 4 3.0 **¶14697076**
ATH Error ellipse: s-maj=3.0km s-min=2.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 07 00 03 19.6–.98 38.59N–.02 21.95E–.02 17–8 81 0-2
ATH VI 07 00 03 18.9 38.59N 21.94E 27–1 2.7 **¶14305762**
ISCJB VI 07 00 03 19.5–.38 38.58N–.02 21.94E–.04 24–3 2.7
THE VI 07 00 03 19.9 38.59N 21.95E 17–0 2.2L
CSEM VI 07 00 03 19.4–.08 38.58N 21.95E 16–0 2.7
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=1.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=179.3.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=271.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=93.0.
ISC VI 07 09 00 06.7–.53 38.34N–.01 22.03E–.01 14–3 4.6b,3.8s 985 0-145
BGS VI 07 09 00 02.1–2.0 37.83N 22.12E 10 4.7b,3.8s **¶12941969**
TIR VI 07 09 00 03.7–3.0 38.55N 22.30E 0–176 4.7b,3.8s
ISCJB VI 07 09 00 05.6–.20 38.34N–.01 21.99E–.01 11–1 4.5b,3.8s
ATH VI 07 09 00 05.6 38.31N 22.02E 13–0 4.2L,3.8
NEIC VI 07 09 00 05.6 38.31N 22.02E 13 4.7b,4.4L
MOS VI 07 09 00 06.8–1.0 38.35N 21.97E 23 4.7b,4.4L
CSEM VI 07 09 00 06.1–.07 38.30N 22.02E 5 4.5b,4.1W
THE VI 07 09 00 06.1 38.31N 22.05E 0–1 4.4L,4.1W
PDG VI 07 09 00 06.0–.35 38.31N 22.05E 11–0 4.1L,4.1W
SKO VI 07 09 00 06.6 38.33N 22.20E 0 4.1L,4.1W
PRU VI 07 09 00 08.9 38.46N 21.05E 0 4.7,4.1W
IDC VI 07 09 00 09.7–2.2 38.40N 22.07E 31–16 4.2,4.2b
BJI VI 07 09 00 10.6 38.76N 21.96E 52 4.9b,4.8b
PDA VI 07 09 00 11.7 38.40N 22.00E 42 4.7b,4.8b
ISC Event type fe.
BGS Error ellipse: s-maj=314.2km s-min=113.4km az=-1.0.
TIR Error ellipse: s-maj=172.5km s-min=171.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.4km az=24.2.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
NEIC Event type fe. Felt at Aigion and Patrai. After ATH.
MOS Error ellipse: s-maj=4.5km s-min=2.7km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=36.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=125.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
IDC Error ellipse: s-maj=11.8km s-min=10.1km az=165.0.
ISC VI 07 09 10 02.3–.90 38.32N–.02 22.01E–.02 12–5 54 0-1
ISCJB VI 07 09 10 02.5–.40 38.31N–.03 22.02E–.03 11–3 **¶14305772**
CSEM VI 07 09 10 02.4–.10 38.31N 22.04E 10 2.7
ATH VI 07 09 10 02.7 38.31N 22.02E 8–1 2.7
THE VI 07 09 10 03.0 38.32N 22.02E 9–1 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=4.1km az=145.3.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=108.0.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=165.0.
ISC VI 07 09 14 36.0–.82 38.32N–.02 22.01E–.02 9–5 103 0-2
ISCJB VI 07 09 14 35.8–.28 38.32N–.02 22.01E–.02 9–3 **¶14305773**
ATH VI 07 09 14 35.9 38.32N 22.01E 9–1 3.2
CSEM VI 07 09 14 35.8–.11 38.32N 22.01E 5 2.4L
THE VI 07 09 14 36.3 38.32N 22.02E 5–1 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=20.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=103.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=288.0.
ISC VI 09 02 04 15.7–.99 38.51N–.03 23.43E–.03 10–11 37 0-1
ISCJB VI 09 02 04 15.1–.61 38.50N–.04 23.44E–.05 13–5 **¶14305871**
THE VI 09 02 04 15.8 38.51N 23.42E 3–11 1.7L

CSEM VI 09 02 04 15.2–.15 38.51N 23.46E 10 1.7L
ATH VI 09 02 04 16.1 38.44N 23.47E 30–1 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=6.0km az=163.7.
THE Event type ke. Error ellipse: s-maj=11.1km s-min=0.3km az=46.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=72.0.
ATH Error ellipse: s-maj=3.8km s-min=1.4km az=-1.0.
ISC VI 09 08 11 09.4–.93 40.75N–.02 22.06E–.02 13–8 80 0-3
SKO VI 09 08 11 08.6 40.75N 22.06E 23 2.3L,2.0 **¶14305877**
ISCJB VI 09 08 11 09.0–.45 40.78N–.02 22.05E–.03 2–4 2.3L,2.0
ATH VI 09 08 11 09.6 40.72N 22.08E 5–3 3.2,2.0
THE VI 09 08 11 09.4 40.75N 22.04E 19–3 2.6L,2.0
CSEM VI 09 08 11 09.3–.15 40.74N 22.06E 8 2.6L,2.0
BEO VI 09 08 11 10.8–1.5 40.80N 22.14E 13–5 2.1L,2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=140.0.
ATH Error ellipse: s-maj=1.0km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.5km az=340.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=133.0.
BEO Event type ke.
THE VI 10 04 03 52.7 38.85N 22.22E 2–17 2.0L
ATH VI 10 04 03 52.3 38.87N 22.20E 13–2 3.2 **¶14305900**
CSEM VI 10 04 03 52.0–.10 38.87N 22.20E 14–0 2.6
THE Event type ke. Error ellipse: s-maj=17.0km s-min=0.3km az=311.0.
ATH Error ellipse: s-maj=0.7km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.2km az=127.0.
ISC VI 10 05 06 56.7–1.2 40.28N–.03 21.91E–.04 4–10 26 0-1
SKO VI 10 05 06 55.4 40.14N 21.89E 2 1.8L,1.4 **¶14697156**
ISCJB VI 10 05 06 56.7–.74 40.30N–.03 21.90E–.06 7–6 1.8L,1.4
ATH VI 10 05 06 56.3 40.29N 21.92E 5–1 3.0,1.4
CSEM VI 10 05 06 56.4–.29 40.29N 21.87E 10 3.0,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.2km az=10.0.
ATH Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=5.1km az=87.0.
ISC VI 11 01 26 10.6–.95 38.10N–.02 22.66E–.02 10–6 45 0-1
ISCJB VI 11 01 26 10.5–.45 38.10N–.02 22.65E–.04 9–3 **¶14305936**
ATH VI 11 01 26 10.8 38.10N 22.66E 12–5 2.8
CSEM VI 11 01 26 10.1–.10 38.10N 22.67E 12 1.2L
THE VI 11 01 26 11.1 38.10N 22.65E 2–28 1.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=0.1.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=76.0.
THE Event type ke. Error ellipse: s-maj=28.3km s-min=0.7km az=172.0.
ATH VI 11 12 47 24.9 38.41N 22.01E 11–0 2.9
CSEM VI 11 12 47 24.9 38.41N 22.01E 11 2.9 **¶14697203**
ATH Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH VI 11 14 53 58.9 38.40N 21.82E 17–1 2.8
CSEM VI 11 14 53 58.9 38.40N 21.82E 17 2.8 **¶14697204**
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 13 16 11 43.6–.87 38.51N–.01 21.61E–.02 11–6 3.7b 215 0-45
ATH VI 13 16 11 42.8 38.48N 21.59E 17–1 3.5L,3.2 **¶13681294**
IDC VI 13 16 11 42.2–1.2 38.59N 21.39E 0 3.8L,3.6
THE VI 13 16 11 43.3 38.50N 21.64E 0–1 3.7L,3.6
ISCJB VI 13 16 11 43.2–.36 38.50N–.01 21.63E–.02 9–3 3.5b,2.7s
CSEM VI 13 16 11 43.2–.13 38.49N 21.64E 2 3.7L,2.7s
BEO VI 13 16 11 53.0–1.4 39.08N 21.12E 3.8L,2.7s
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=18.4km az=143.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=334.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=143.2.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=70.0.
BEO Event type ke.
ISC VI 13 17 24 40.3–.98 40.50N–.03 21.55E–.03 20–5 45 0-4
ISCJB VI 13 17 24 40.0–.00 40.47N–.03 21.50E–.06 11–9 **¶14697251**
ATH VI 13 17 24 39.8 40.48N 21.52E 19–1 3.2
CSEM VI 13 17 24 39.8 40.48N 21.52E 19 3.2
SKO VI 13 17 24 39.4 40.37N 21.33E 0 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.2km az=171.2.
ATH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH VI 15 10 47 20.4 40.59N 21.51E 23–1 3.0
CSEM VI 15 10 47 20.4 40.59N 21.51E 23 3.0 **¶14697309**
SKO VI 15 10 47 21.9 40.60N 21.51E 9 3.0
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 16 17 01 06.1–1.0 38.33N–.03 21.77E–.03 14–7 44 0-1
ISCJB VI 16 17 01 06.1–.72 38.32N–.05 21.77E–.05 13–4 **¶14306140**
CSEM VI 16 17 01 06.5–.13 38.33N 21.78E 5 2.5
THE VI 16 17 01 06.9 38.32N 21.79E 8–2 1.6L
ATH VI 16 17 01 06.3 38.33N 21.77E 11–1 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.3km az=172.2.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=2.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=31.0.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
ISC VI 16 20 45 53.5–.93 38.33N–.02 22.01E–.03 13–5 45 0-1
ISCJB VI 16 20 45 53.8–.51 38.32N–.03 22.01E–.04 12–3 **¶14306142**
CSEM VI 16 20 45 53.6–.17 38.35N 22.01E 12 2.6
ATH VI 16 20 45 54.1 38.33N 22.00E 9–2 2.6
THE VI 16 20 45 54.5 38.31N 22.01E 8–2 1.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=80.0.
ATH Error ellipse: s-maj=0.8km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=346.0.
ISC VI 17 00 47 57.0–.88 38.11N–.02 23.27E–.02 9–7 61 0-1
ISCJB VI 17 00 47 56.6–.42 38.08N–.03 23.27E–.03 11–3 **¶14306171**
ATH VI 17 00 47 56.8 38.08N 23.30E 25–1 2.7,1.5L
CSEM VI 17 00 47 56.8–.16 38.10N 23.26E 10 1.4L,1.5L
THE VI 17 00 47 57.0 38.10N 23.27E 7–2 1.4L,1.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=21.5.
ATH Error ellipse: s-maj=1.0km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=22.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.4km az=19.0.
ISC VI 17 13 40 48.8–1.1 40.43N–.02 21.88E–.02 4–11 43 0-2
ATH VI 17 13 40 48.5 40.43N 21.84E 5 3.2 **¶14306183**
CSEM VI 17 13 40 48.6–.18 40.42N 21.86E 2 3.2
THE VI 17 13 40 49.0 40.42N 21.87E 2–31 1.9L
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
CSEM Event type ke.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=0.7km az=214.0.
ISC VI 17 21 48 05.7–1.1 38.69N–.02 22.98E–.02 8–9 3.6b 114 1-44
IDC VI 17 21 48 03.7–1.6 38.97N 22.61E 0 3.5,3.5 **¶13681560**
ATH VI 17 21 48 05.4 38.68N 23.00E 25–0 4.0L,3.7
CSEM VI 17 21 48 05.4 38.68N 23.00E 25 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=100.7km s-min=23.4km az=142.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 18 08 26 12.8–.78 38.67N–.01 22.97E–.02 13–4 144 0-2
ISCJB VI 18 08 26 13.0–.41 38.67N–.02 23.00E–.02 12–3 **¶14306212**
ATH VI 18 08 26 12.5 38.68N 22.98E 27–0 3.5L,3.0
CSEM VI 18 08 26 12.9–.12 38.67N 22.98E 12 3.3L,3.0
THE VI 18 08 26 13.4 38.67N 22.99E 8–1 3.3L,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=150.3.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=122.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=14.0.
ISC VI 18 08 30 58.3–.78 38.68N–.03 22.98E–.03 16–4 61 0-1
ATH VI 18 08 30 57.4 38.76N 23.04E 13–1 3.0 **¶14306213**
ISCJB VI 18 08 30 59.4–.42 38.68N–.03 22.98E–.04 11–2 3.0
THE VI 18 08 30 59.4 38.68N 22.98E 12–1 2.5L
CSEM VI 18 08 30 59.0–.14 38.67N 22.98E 12 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=137.1.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=134.0.
ATH VI 19 08 34 01.5 38.33N 22.01E 9–2 2.9
CSEM VI 19 08 34 01.5 38.33N 22.01E 9 2.9 **¶14697383**
ATH Error ellipse: s-maj=0.7km s-min=1.0km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 19 09 13 23.3–.91 38.88N–.02 23.73E–.04 13–7 56 0-2
ISCJB VI 19 09 13 23.0–.64 38.86N–.03 23.78E–.05 11–4 **¶14306260**
ATH VI 19 09 13 23.5 38.89N 23.71E 30–0 3.3
CSEM VI 19 09 13 23.0–.21 38.85N 23.78E 12 2.9L
THE VI 19 09 13 23.7 38.87N 23.75E 10–1 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.4km az=179.3.
ATH Error ellipse: s-maj=0.3km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.1km az=83.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=313.0.
ISC VI 19 23 01 14.9–.73 38.30N–.01 22.06E–.01 8–4 4.0b,3.1s 248 0-45
BEO VI 19 23 01 06.9 37.65N 22.30E 0 4.0b,3.1s **¶13681683**
ATH VI 19 23 01 13.9 38.30N 22.04E 14–0 3.3L,3.1s
THE VI 19 23 01 14.7 38.29N 22.07E 0–1 3.5L,3.1s
ISCJB VI 19 23 01 14.2–.26 38.30N–.01 22.04E–.02 7–2 3.8b,3.0s
CSEM VI 19 23 01 14.3–.10 38.29N 22.06E 0–0 3.3L,3.0s
IDC VI 19 23 01 23.6–4.0 38.38N 22.04E 85–39 3.6,3.5b
ISC Event type ke.
BEO Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=248.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=165.6.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=65.0.
IDC Error ellipse: s-maj=28.4km s-min=18.2km az=145.0.
ISC VI 20 01 24 51.2–.97 38.31N–.02 22.05E–.02 11–5 46 0-1
ISCJB VI 20 01 24 51.2–.49 38.31N–.03 22.04E–.04 12–4 **¶14306300**
CSEM VI 20 01 24 51.3–.09 38.32N 22.05E 8 2.9
ATH VI 20 01 24 51.5 38.31N 22.04E 10–1 2.9
THE VI 20 01 24 51.7 38.31N 22.04E 9–1 1.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=5.0km az=2.6.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=109.0.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=239.0.
THE VI 20 07 56 47.3 38.18N 21.59E 19–2 1.9L
CSEM VI 20 07 56 46.2–.13 38.17N 21.54E 24–1 3.0 **¶14306306**
ATH VI 20 07 56 47.1 38.18N 21.58E 20–1 3.0
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.4km az=266.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=147.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
ISC VI 20 13 59 29.1–.94 39.21N–.01 21.11E–.02 14–7 3.5b 181 0-122
IDC VI 20 13 59 26.3–1.1 39.26N 21.12E 0 3.5,3.5b **¶13681723**
ISCJB VI 20 13 59 28.4–.53 39.20N–.01 21.09E–.02 8–4 3.4b,2.6s
ATH VI 20 13 59 28.9 39.20N 21.15E 18–1 3.3,3.1L
CSEM VI 20 13 59 28.8–.14 39.19N 21.10E 8 3.3L,3.1L
THE VI 20 13 59 29.2 39.21N 21.11E 3–0 3.3L,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=23.9km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=160.7.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=69.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=231.0.
ISC VI 20 17 04 38.9–.91 38.31N–.02 22.04E–.02 12–5 53 0-1
ISCJB VI 20 17 04 39.2–.44 38.30N–.02 22.03E–.04 11–3 **¶14306316**
CSEM VI 20 17 04 39.2–.12 38.31N 22.04E 8 3.0
THE VI 20 17 04 39.8 38.31N 22.03E 7–1 2.0L
ATH VI 20 17 04 39.3 38.31N 22.05E 10–1 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=13.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=98.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=221.0.
ATH Error ellipse: s-maj=0.7km s-min=1.2km az=-1.0.
ISC VI 21 02 05 02.7–.91 38.69N–.02 20.64E–.03 6–7 66 0-2
ISCJB VI 21 02 05 02.2–.62 38.70N–.02 20.59E–.05 3–6 **¶14306348**
THE VI 21 02 05 02.8 38.71N 20.59E 0–1 2.1L
ATH VI 21 02 05 02.8 38.68N 20.67E 5–3 3.5
CSEM VI 21 02 05 02.7–.30 38.71N 20.67E 8 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=178.7.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=264.0.
ATH Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.5km az=71.0.
ATH VI 21 12 31 28.1 38.31N 21.98E 9–0 2.5
CSEM VI 21 12 31 28.1 38.31N 21.98E 9 2.5 **¶14697426**
ATH Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 21 22 48 50.9–.77 40.68N–.01 23.13E–.02 13–4 170 0-6
SKO VI 21 22 48 49.7 40.64N 23.11E 15 3.0L,2.6 **¶14306364**
CSEM VI 21 22 48 50.4–.12 40.67N 23.14E 8 3.4L,2.6
ISCJB VI 21 22 48 50.3–.30 40.69N–.02 23.10E–.02 7–2 3.4L,2.6
ATH VI 21 22 48 50.5 40.67N 23.17E 24–0 3.0,3.0L
THE VI 21 22 48 50.8 40.69N 23.13E 10–0 3.4L,3.0L
SOF VI 21 22 48 50.5 40.74N 23.18E 2 3.0,3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=113.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=35.1.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=69.0.
ISC VI 22 00 08 42.7–.94 38.31N–.02 21.97E–.02 9–5 53 0-2
ISCJB VI 22 00 08 42.6–.43 38.31N–.03 21.99E–.04 11–3 **¶14306381**
ATH VI 22 00 08 42.7 38.31N 21.96E 10–1 2.9
CSEM VI 22 00 08 42.3–.12 38.32N 21.96E 10 2.9
THE VI 22 00 08 43.3 38.31N 21.98E 6–1 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=40.3.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=120.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=140.0.
ISC VI 23 09 58 07.3–1.1 38.87N–.03 22.23E–.03 19–2 42 0-1
CSEM VI 23 09 58 06.7–.16 38.89N 22.24E 22–1 2.0L **¶14306417**
ISCJB VI 23 09 58 07.1–.50 38.89N–.03 22.24E–.05 25–4 2.0L
ATH VI 23 09 58 07.1 38.84N 22.19E 27–2 2.7
THE VI 23 09 58 07.6 38.87N 22.23E 17–2 2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.6km az=176.8.
ATH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=8.0.
ISC VI 23 11 52 07.5–.98 38.31N–.02 22.07E–.03 11–4 50 0-1
ISCJB VI 23 11 52 07.4–.48 38.31N–.02 22.06E–.04 10–3 **¶14306420**
THE VI 23 11 52 07.9 38.30N 22.07E 8–1 2.1L

ATH VI 23 11 52 07.9 38.33N 22.03E 8–1 2.5
CSEM VI 23 11 52 07.6–.10 38.31N 22.07E 5 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=172.5.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=289.0.
ATH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=78.0.
ISC VI 23 13 30 10.4–.89 38.71N–.02 20.59E–.02 9–6 126 0-7
ISCJB VI 23 13 30 09.1–.60 38.72N–.02 20.48E–.03 4–4 ¶13381374
TIR VI 23 13 30 09.1 38.79N 20.83E 7 3.8L
ATH VI 23 13 30 10.3 38.70N 20.63E 5–3 3.1
CSEM VI 23 13 30 10.4–.23 38.71N 20.64E 2 3.5L
THE VI 23 13 30 11.0 38.71N 20.59E 0–2 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.9km az=149.4.
ATH Error ellipse: s-maj=0.5km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.2km az=56.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=265.0.
ISC VI 24 05 50 11.8–.69 38.40N–.01 22.01E–.01 8–3 3.8b 227 0-45
ATH VI 24 05 50 10.7 38.40N 22.01E 15–0 3.3,3.1L ¶13383556
IDC VI 24 05 50 10.7–1.3 38.51N 21.87E 0 3.6,3.6
THE VI 24 05 50 11.4 38.40N 21.99E 4–0 3.5L,3.6
CSEM VI 24 05 50 11.2–.10 38.40N 21.99E 5 3.3,3.6
ISCJB VI 24 05 50 11.0–.25 38.39N–.01 21.99E–.02 9–1 3.7b,3.6
SKO VI 24 05 50 16.1 38.72N 22.13E 0 3.7b,3.6
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=36.8km s-min=22.3km az=152.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=263.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=6.4.
ISC VI 25 00 48 21.3–1.3 38.16N–.03 20.20E–.04 7–9 3.6b 157 0-46
ISCJB VI 25 00 48 19.8–.69 38.16N–.03 20.11E–.03 5–5 3.6b ¶13353601
IDC VI 25 00 48 20.2–1.4 38.25N 20.37E 0 4.0L,3.6
CSEM VI 25 00 48 21.5–.28 38.18N 20.26E 2 3.4,3.6
ATH VI 25 00 48 21.7 38.17N 20.20E 14–3 3.4,3.3L
THE VI 25 00 48 21.1 38.10N 20.19E 3–2 3.3L,3.3L
PDG VI 25 00 48 22.2–.72 38.19N 20.19E 13–1 3.5L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.1km az=38.4.
IDC Error ellipse: s-maj=27.1km s-min=23.5km az=146.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=2.6km az=43.0.
ATH Error ellipse: s-maj=2.5km s-min=3.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.9km az=49.0.
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.6km az=0.0.
ISC VI 25 03 39 51.1–.94 40.42N–.03 21.40E–.03 16–8 46 0-2
ATH VI 25 03 39 50.3 40.39N 21.32E 14–3 3.2 ¶14306498
ISCJB VI 25 03 39 51.4–.66 40.41N–.03 21.38E–.04 24–9 3.2
SKO VI 25 03 39 51.6 40.39N 21.36E 0 3.2
THE VI 25 03 39 51.8 40.45N 21.45E 11–4 2.5L
CSEM VI 25 03 39 51.0–.16 40.41N 21.37E 20 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.7km az=33.3.
THE Event type ke. Error ellipse: s-maj=4.8km s-min=0.5km az=291.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=33.0.
ATH VI 27 07 05 41.5 38.12N 23.55E 4 4.1L,2.6
CSEM VI 27 07 05 41.5 38.12N 23.55E 4 2.6,2.6 ¶14697521
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 27 11 20 04.9–.91 40.44N–.03 21.86E–.03 11–7 40 0-2
ISCJB VI 27 11 20 04.9–.64 40.44N–.03 21.84E–.05 12–4 ¶14306698
CSEM VI 27 11 20 04.9–.14 40.42N 21.91E 2 3.1
THE VI 27 11 20 05.4 40.42N 21.86E 7–2 2.1L
ATH VI 27 11 20 05.2 40.39N 21.88E 15–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=153.7.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=39.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.5km az=203.0.
ATH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
ISC VI 27 15 25 39.1–.88 40.61N–.02 23.38E–.02 12–8 55 0-2
ATH VI 27 15 25 38.7 40.61N 23.38E 14–2 3.0 ¶14306709
CSEM VI 27 15 25 38.7–.13 40.61N 23.36E 5 1.9L
THE VI 27 15 25 39.2 40.61N 23.39E 2–14 1.9L
SKO VI 27 15 25 40.2 40.66N 23.37E 6 2.3L,2.0
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=152.0.
THE Event type ke. Error ellipse: s-maj=14.6km s-min=0.3km az=213.0.
ISC VI 28 03 15 56.1–.92 40.84N–.02 22.95E–.03 9–9 48 0-2
SKO VI 28 03 15 53.7 40.75N 22.99E 15 2.7L,2.3 ¶14306741
THE VI 28 03 15 56.2 40.85N 22.97E 2–2 2.6L,2.3
BEO VI 28 03 15 56.4–1.1 40.76N 22.74E 0 2.3L,2.3
CSEM VI 28 03 15 56.1–.19 40.83N 22.97E 2 2.6L,2.3
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.4km az=52.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=57.0.
ISC VI 29 20 21 02.4–.71 38.31N–.01 22.07E–.01 6–4 3.8b 298 0-78
ISCJB VI 29 20 21 01.5–.23 38.30N–.01 22.07E–.01 5–2 3.6b,3.5s ¶13383601
IDC VI 29 20 21 01.9–1.3 38.31N 21.94E 0 3.7,3.6
THE VI 29 20 21 01.8 38.31N 22.05E 3–0 3.5L,3.6
ATH VI 29 20 21 01.1 38.31N 22.06E 13–0 3.6,3.3L
CSEM VI 29 20 21 01.7–.09 38.31N 22.08E 2 3.6,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=171.2.
IDC Error ellipse: s-maj=23.8km s-min=18.7km az=130.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=266.0.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=69.0.
ATH VI 29 20 26 27.8 38.32N 22.06E 9–0 3.0
CSEM VI 29 20 26 27.8 38.32N 22.06E 9 3.0 ¶14697613
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 29 20 30 12.7–.81 38.32N–.01 22.04E–.02 8–4 109 0-2
ISCJB VI 29 20 30 12.5–.29 38.32N–.02 22.05E–.02 8–2 ¶14306823
THE VI 29 20 30 12.8 38.31N 22.05E 2–2 1.9L
ATH VI 29 20 30 12.7 38.32N 22.03E 10–1 3.1
CSEM VI 29 20 30 12.4–.11 38.31N 22.04E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=9.1.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.3km az=294.0.
ATH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=89.0.
ISC VI 29 21 08 19.0–.71 38.30N–.01 22.06E–.01 8–4 3.8b 233 0-45
ISCJB VI 29 21 08 18.6–.23 38.30N–.01 22.06E–.02 8–2 3.6b ¶13682276
CSEM VI 29 21 08 18.7–.08 38.30N 22.05E 5 3.5
ATH VI 29 21 08 18.1 38.30N 22.05E 14–0 3.5,3.2L
THE VI 29 21 08 18.8 38.30N 22.05E 0–0 3.3L,3.2L
IDC VI 29 21 08 25.9–3.4 38.35N 22.12E 65–35 3.4,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=78.0.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=291.0.
IDC Error ellipse: s-maj=28.2km s-min=18.9km az=157.0.
ISC VI 29 21 26 34.3–.95 38.00N–.02 23.26E–.02 15–10 55 0-3
ISCJB VI 29 21 26 33.9–1.7 38.00N–.04 23.26E–.04 11–13 ¶14697614
ATH VI 29 21 26 34.3 38.00N 23.26E 18–1 2.9,1.3L
CSEM VI 29 21 26 34.3 38.00N 23.26E 18 2.9,1.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.8km az=174.7.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 30 18 38 50.1–.80 38.80N–.02 23.42E–.02 16–5 175 0-6
ATH VI 30 18 38 49.6 38.83N 23.42E 27–0 3.6L,3.3 ¶14306887
CSEM VI 30 18 38 49.7–.09 38.79N 23.44E 12 3.6L,3.3
ISCJB VI 30 18 38 50.0–.28 38.83N–.02 23.45E–.02 19–3 3.6L,3.3
THE VI 30 18 38 50.2 38.79N 23.42E 11–0 3.6L,3.3
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=166.7.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=84.0.
ISC VI 30 21 54 35.6–1.1 40.27N–.02 21.92E–.02 2–10 57 0-3
SKO VI 30 21 54 35.6 40.18N 21.89E 12 2.0L,1.6 ¶14306893
ATH VI 30 21 54 35.2 40.26N 21.92E 5–1 3.1,1.6
THE VI 30 21 54 35.6 40.26N 21.92E 0–2 2.4L,1.6
CSEM VI 30 21 54 35.3–.20 40.26N 21.91E 0–0 3.7,1.6
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=60.0.

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ISK I 01 03 10 20.9 40.35N 25.88E 5 2.9
CSEM I 01 03 10 20.1–.53 40.34N 25.77E 2 2.9 ¶12854376
DDA I 01 03 10 23.3 40.28N 26.06E 7 2.7
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=5.1km az=93.0.
DDA Event type ke.
ISC I 01 04 03 14.3–.99 40.37N–.02 25.76E–.02 13–8 118 0-3
CSEM I 01 04 03 14.4–.16 40.37N 25.73E 8 3.0 ¶12854374
DDA I 01 04 03 14.5 40.36N 25.86E 24 2.9
ATH I 01 04 03 14.3 40.36N 25.76E 11–1 3.1
ISK I 01 04 03 14.2 40.36N 25.79E 5 3.0
ISCJB I 01 04 03 14.0–.47 40.37N–.02 25.75E–.03 6–3 3.0
THE I 01 04 03 14.7 40.39N 25.75E 13–0 2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=10.0.
DDA Event type ke.
ATH Error ellipse: s-maj=0.3km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.2km az=175.5.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=64.0.
ISC I 01 21 27 50.1–1.2 39.26N–.02 26.00E–.02 1–11 111 0-4
ISK I 01 21 27 49.7 39.25N 26.04E 5 3.3 ¶12854366
THE I 01 21 27 50.4 39.23N 26.04E 3–1 3.1L
ATH I 01 21 27 50.0 39.28N 26.14E 21–1 3.4
CSEM I 01 21 27 50.3–.16 39.24N 25.98E 5 3.4
ISCJB I 01 21 27 50.1–.74 39.23N–.02 26.03E–.03 7–5 3.4
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 02 08 23 44.5–1.9 40.36N–.04 25.79E–.08 11–11 30 0-2
CSEM I 02 08 23 43.4–.50 40.32N 25.71E 2 1.9L ¶12854397
ISCJB I 02 08 23 43.9–1.4 40.38N–.04 25.7E–.10 3–7 1.9L
DDA I 02 08 23 44.4 40.39N 25.82E 7 2.8
ISK I 02 08 23 45.3 40.38N 25.86E 10 1.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=6.1km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=6.4km az=10.1.
DDA Event type ke.
ISC I 03 03 28 41.7–1.5 40.35N–.03 25.86E–.08 17–11 28 0-2
ISK I 03 03 28 41.3 40.35N 25.88E 12 2.7 ¶12854422
CSEM I 03 03 28 41.2–.25 40.36N 25.81E 10 2.7
ISCJB I 03 03 28 41.1–1.4 40.36N–.03 25.82E–.10 5–8 2.7
DDA I 03 03 28 42.2 40.34N 25.91E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.2km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.1km az=6.3.
DDA Event type ke.
CSEM I 04 04 43 13.7–.13 40.02N 24.36E 20 2.6L
SOF I 04 04 43 09.7 39.99N 24.42E 0 2.7 ¶14188713
ATH I 04 04 43 13.1 40.10N 24.35E 29–1 3.3
THE I 04 04 43 13.2 40.01N 24.37E 10–0 2.6L
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=111.0.
ATH Error ellipse: s-maj=1.0km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=101.0.
ISC I 04 11 18 35.4–1.0 40.37N–.02 25.77E–.03 12–9 72 0-2
SOF I 04 11 18 34.5 40.39N 25.72E 5 2.5 ¶12854434
ISK I 04 11 18 34.8 40.34N 25.79E 7 3.1
ISCJB I 04 11 18 34.2–.69 40.37N–.03 25.70E–.04 9–5 3.1
ATH I 04 11 18 34.8 40.38N 25.75E 29–1 3.3
CSEM I 04 11 18 35.1–.18 40.36N 25.76E 8 3.1
DDA I 04 11 18 37.1 40.32N 25.97E 7 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=171.8.
ATH Error ellipse: s-maj=0.6km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=71.0.
DDA Event type ke.
ISC I 04 17 22 46.6–1.5 40.35N–.03 25.83E–.06 10–10 56 0-2
ISK I 04 17 22 45.6 40.34N 25.83E 4 2.9 ¶12854430
CSEM I 04 17 22 45.9–.41 40.34N 25.80E 5 2.9
ISCJB I 04 17 22 45.9–1.1 40.35N–.03 25.80E–.08 6–5 2.9
DDA I 04 17 22 47.3 40.32N 25.95E 7 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.0km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.0km az=8.6.
DDA Event type ke.
ISC I 04 17 42 09.3–1.8 40.34N–.04 25.79E–.07 7–14 32 0-2
CSEM I 04 17 42 08.5–.85 40.38N 25.68E 10 1.9L ¶12854429
ISCJB I 04 17 42 08.5–1.4 40.40N–.04 25.69E–.09 9–5 1.9L
ISK I 04 17 42 09.2 40.42N 25.77E 17 1.9L
DDA I 04 17 42 10.5 40.37N 25.88E 6 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.5km s-min=12.2km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.7km az=11.8.
DDA Event type ke.
ISC I 05 18 47 41.7–1.1 40.11N–.03 24.40E–.02 16–9 66 0-3
CSEM I 05 18 47 41.8–.20 40.09N 24.41E 15 2.2L ¶14188729
ATH I 05 18 47 41.5 40.13N 24.44E 31–2 3.1
ISCJB I 05 18 47 42.1–.44 40.08N–.03 24.40E–.03 26–5 3.1
THE I 05 18 47 42.2 40.08N 24.38E 21–1 2.2L
SOF I 05 18 47 43.2 40.26N 24.38E 12 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=14.0.
ATH Error ellipse: s-maj=1.6km s-min=1.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=17.4.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=298.0.
ISC I 06 19 55 35.4–1.3 38.54N–.03 26.66E–.05 33–8 26 0-2
ATH I 06 19 55 33.8 38.53N 26.74E 32–4 2.5 ¶14358006
DDA I 06 19 55 33.5 38.54N 26.79E 7 2.7
ISCJB I 06 19 55 34.2–.98 38.51N–.04 26.66E–.06 23–10 2.7
CSEM I 06 19 55 34.3–.27 38.51N 26.64E 25–4 2.5
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=5.0km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.9km az=16.5.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=4.5km az=99.0.
ISC I 07 12 38 33.7–.93 40.38N–.02 25.78E–.02 15–8 96 0-2
ISK I 07 12 38 33.4 40.37N 25.80E 7 2.9 ¶12854502
ISCJB I 07 12 38 33.3–.44 40.38N–.02 25.76E–.03 9–3 2.9

ATH	I	07 12 38 33.7	40.37N	25.78E	15–1	3.0		
CSEM	I	07 12 38 33.8–.13	40.39N	25.77E	12	2.9		
THE	I	07 12 38 34.0	40.39N	25.73E	8–1	2.1L		
DDA	I	07 12 38 35.1	40.35N	25.99E	6	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=3.2km az=143.4.							
ATH	Error ellipse: s-maj=0.7km s-min=1.4km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=22.0.							
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=110.0.							
DDA	Event type ke.							
ISC	**I**	**07 16 14 12.9–1.5**	**40.35N–.03**	**25.85E–.07**	**13–10**		**36**	**0-2**
ISK	I	07 16 14 11.8	40.35N	25.83E	16	2.9		**¶12854500**
ISCJB	I	07 16 14 12.6–1.3	40.38N–.03	25.8E–.10	23–8	2.9		
CSEM	I	07 16 14 12.9–.48	40.38N	25.84E	20	2.9		
DDA	I	07 16 14 13.1	40.34N	25.87E	7	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=13.5km s-min=5.6km az=8.1.							
CSEM	Event type ke. Error ellipse: s-maj=10.0km s-min=4.9km az=91.0.							
DDA	Event type ke.							
ISC	**I**	**07 17 09 47.4–1.1**	**40.38N–.02**	**25.82E–.02**	**15–11**		**54**	**0-2**
ISCJB	I	07 17 09 47.4–.57	40.37N–.02	25.80E–.04	11–6			**¶12854499**
ISK	I	07 17 09 47.3	40.35N	25.83E	15	2.8		
CSEM	I	07 17 09 47.6–.11	40.37N	25.80E	15	2.8		
THE	I	07 17 09 48.2	40.40N	25.72E	5–2	1.9L		
DDA	I	07 17 09 49.0	40.34N	25.95E	8	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=174.6.							
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=2.0.							
THE	Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=112.0.							
DDA	Event type ke.							
ISC	**I**	**08 04 13 34.3–.93**	**38.40N–.04**	**26.85E–.03**	**14–6**		**32**	**0-2**
ISK	I	08 04 13 32.8	38.38N	26.81E	14	2.7		**¶12854536**
CSEM	I	08 04 13 33.9–.15	38.40N	26.82E	15	2.7		
ISCJB	I	08 04 13 34.1–.57	38.42N–.04	26.84E–.05	13–4	2.7		
DDA	I	08 04 13 34.1	38.43N	26.88E	7	2.8		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=81.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.4km s-min=6.1km az=9.8.							
DDA	Event type ke.							
ISC	**I**	**09 03 04 19.3–.89**	**39.80N–.02**	**25.60E–.02**	**14–7**		**155**	**0-5**
DDA	I	09 03 04 17.5	39.80N	25.53E	7	3.0		**¶12854562**
ISK	I	09 03 04 18.0	39.76N	25.62E	5	3.4		
ISCJB	I	09 03 04 18.4–.60	39.81N–.02	25.57E–.03	7–4	3.4		
ATH	I	09 03 04 18.8	39.82N	25.59E	25–0	3.3		
THE	I	09 03 04 19.7	39.83N	25.62E	11–1	3.1L		
CSEM	I	09 03 04 19.2–.10	39.79N	25.57E	10	3.3		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=145.0.							
ATH	Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=190.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=40.0.							
ISC	**I**	**09 10 06 48.6–.96**	**39.85N–.02**	**25.67E–.02**	**11–8**		**78**	**0-3**
ISK	I	09 10 06 46.7	39.78N	25.61E	15	3.1		**¶12854556**
ISCJB	I	09 10 06 47.2–.66	39.83N–.03	25.60E–.03	8–5	3.1		
ATH	I	09 10 06 48.6	39.83N	25.63E	14–3	3.3		
DDA	I	09 10 06 49.0	39.69N	25.77E	5	2.8		
CSEM	I	09 10 06 48.0–.21	39.84N	25.61E	15	3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=28.6.							
ATH	Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.4km s-min=3.9km az=68.0.							
ISC	**I**	**10 16 31 07.6–.93**	**38.21N–.02**	**26.58E–.02**	**9–7**		**82**	**0-3**
ISCJB	I	10 16 31 07.4–.80	38.18N–.03	26.58E–.04	1–6			**¶12854575**
DDA	I	10 16 31 07.2	38.19N	26.59E	7	3.1		
ATH	I	10 16 31 07.2	38.22N	26.63E	24–3	2.9		
ISK	I	10 16 31 07.3	38.20N	26.66E	5	3.0		
CSEM	I	10 16 31 08.3–.17	38.19N	26.63E	2	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=4.3km az=161.5.							
DDA	Event type ke.							
ATH	Error ellipse: s-maj=2.0km s-min=3.3km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=76.0.							
ISC	**I**	**11 15 08 27.7–1.1**	**40.70N–.02**	**25.19E–.01**	**3–8**	**3.8b**	**437**	**1-72**
SOF	I	11 15 08 25.8	40.69N	25.29E	1	3.7		**¶13404809**
DDA	I	11 15 08 25.5	40.79N	25.05E	27	3.7		
SKO	I	11 15 08 26.6	40.64N	25.25E	0	3.7		
CSEM	I	11 15 08 27.5–.07	40.67N	25.14E	2	3.7		
BEO	I	11 15 08 27.6–.60	40.72N	25.21E	0	4.2L		
IDC	I	11 15 08 27.5–.83	40.70N	25.18E	0	3.8,3.7b		
ATH	I	11 15 08 27.1	40.73N	25.24E	25–2	3.8L,3.7		
ISK	I	11 15 08 28.2	40.49N	25.30E	3	3.9L,3.7		
THE	I	11 15 08 28.0	40.72N	25.22E	12–1	4.0L,3.7		
MOS	I	11 15 08 31.1–1.1	40.83N	25.12E	33	4.2b,3.7		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=21.0.							
BEO	Event type ke.							
IDC	Error ellipse: s-maj=14.6km s-min=13.5km az=105.0.							
ATH	Error ellipse: s-maj=1.2km s-min=1.5km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=74.0.							
MOS	Error ellipse: s-maj=15.4km s-min=5.3km az=90.7.							
ISC	**I**	**13 11 57 35.6–.73**	**39.96N–.02**	**23.77E–.02**	**11–4**	**4.0b**	**419**	**0-96**
BEO	I	13 11 57 31.1–2.4	39.72N	23.85E	0–14	4.2L		**¶11660192**
SOF	I	13 11 57 33.5	40.04N	23.87E	2	4.2		
IDC	I	13 11 57 34.0–.72	39.98N	23.66E	0	4.0,4.0		
PDG	I	13 11 57 34.3–.67	39.93N	23.78E	11–1	3.9L,4.0		
ATH	I	13 11 57 34.0	39.97N	23.77E	28–0	4.0L,4.0		
ISCJB	I	13 11 57 34.5–.56	39.95N–.01	23.79E–.02	15–4	3.9b,3.5s		
THE	I	13 11 57 35.0	39.95N	23.80E	9–1	4.4L,3.5s		
VIE	I	13 11 57 35.6–.50	39.97N	23.87E	10	4.0s,3.4b		
ISK	I	13 11 57 35.6	39.80N	24.02E	6	4.0L,3.4b		
CSEM	I	13 11 57 35.0–.07	39.92N	23.77E	10	4.4L,4.0s		
SKO	I	13 11 57 36.9	40.07N	23.58E	0	3.9L,3.5		
ISC	Event type ke.							
BEO	Event type ke.							
IDC	Error ellipse: s-maj=17.0km s-min=11.3km az=116.0.							
PDG	Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.							
ATH	Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=37.2.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=290.0.							
VIE	Error ellipse: s-maj=4.6km s-min=2.2km az=157.0. 104 km NE of Volos .							
CSEM	Event type ke. Error ellipse: s-maj=1.9km s-min=1.9km az=75.0.							
ISC	**I**	**13 20 03 28.6–1.5**	**40.30N–.03**	**25.82E–.07**	**11**		**40**	**0-2**
ISCJB	I	13 20 03 28.7–1.1	40.33N–.03	25.80E–.09	11			**¶12854657**
ISK	I	13 20 03 29.9	40.37N	25.89E	16	2.7		
CSEM	I	13 20 03 29.1–.62	40.33N	25.80E	15	2.7		
DDA	I	13 20 03 32.5	40.19N	26.20E	6	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.5km s-min=4.4km az=5.4.							
CSEM	Event type ke. Error ellipse: s-maj=12.1km s-min=6.4km az=90.0.							
DDA	Event type ke.							
ISC	**I**	**14 13 34 56.0–1.1**	**40.72N–.03**	**25.22E–.02**	**5–11**		**74**	**0-4**
ISCJB	I	14 13 34 55.0–.78	40.74N–.03	25.22E–.03	1–6			**¶14188909**
CSEM	I	14 13 34 55.9–.28	40.69N	25.26E	10	3.0		
ATH	I	14 13 34 55.6	40.76N	25.22E	24–1	3.0		
THE	I	14 13 34 56.4	40.76N	25.20E	5–0	2.5L		
SKO	I	14 13 34 57.1	40.69N	25.16E	0	2.5L		
SOF	I	14 13 34 57.5	40.81N	25.25E	10	2.5		
BEO	I	14 13 34 58.5–1.6	40.78N	25.27E	12–9	2.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=2.8.							
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=151.0.							
ATH	Error ellipse: s-maj=0.8km s-min=1.3km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=170.0.							
BEO	Event type ke.							
ISC	**I**	**14 19 33 10.6–1.5**	**40.35N–.03**	**25.80E–.07**	**12–9**		**36**	**0-2**
ISCJB	I	14 19 33 10.3–1.2	40.36N–.03	25.80E–.09	9–6			**¶12854682**
ISK	I	14 19 33 10.0	40.36N	25.80E	8	2.7		
CSEM	I	14 19 33 10.4–.31	40.35N	25.79E	10	2.7		
DDA	I	14 19 33 12.1	40.32N	25.97E	6	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.5km s-min=5.4km az=7.2.							
CSEM	Event type ke. Error ellipse: s-maj=6.3km s-min=3.0km az=92.0.							
DDA	Event type ke.							
ISC	**I**	**15 21 46 07.7–1.1**	**40.32N–.02**	**25.81E–.03**	**10–9**		**81**	**0-3**
ISCJB	I	15 21 46 06.1–.79	40.31N–.03	25.73E–.04	2–5			**¶12854701**
CSEM	I	15 21 46 07.9–.17	40.32N	25.82E	10	3.0		
ATH	I	15 21 46 07.5	40.34N	25.82E	30–0	3.0		
ISK	I	15 21 46 07.3	40.30N	25.85E	5	3.0		
DDA	I	15 21 46 08.8	40.29N	25.93E	7	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=150.3.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=111.0.							
ATH	Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.							
DDA	Event type ke.							
ISC	**I**	**16 08 16 07.0–1.8**	**40.37N–.03**	**25.75E–.08**	**11–10**		**42**	**0-2**
ISK	I	16 08 16 05.8	40.37N	25.72E	6	2.8		**¶12854745**
CSEM	I	16 08 16 06.0–.52	40.40N	25.68E	5	2.8		
DDA	I	16 08 16 08.0	40.35N	25.89E	5	3.1		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=10.1km s-min=5.2km az=94.0.							
DDA	Event type ke.							
ISC	**I**	**19 00 38 02.4–1.7**	**40.26N–.03**	**25.77E–.08**	**14–12**		**30**	**0-2**
ISCJB	I	19 00 38 01.9–1.5	40.28N–.03	25.7E–.10	6–7			**¶12854823**
CSEM	I	19 00 38 02.1–.30	40.28N	25.70E	10	1.7L		
ISK	I	19 00 38 03.0	40.28N	25.84E	13	1.7L		
DDA	I	19 00 38 04.1	40.23N	25.91E	7	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=14.0km s-min=5.3km az=179.3.							
CSEM	Event type ke. Error ellipse: s-maj=6.0km s-min=2.4km az=87.0.							
DDA	Event type ke.							
ISC	**I**	**19 10 45 49.4–.86**	**38.62N–.02**	**26.98E–.02**	**14–7**		**136**	**0-4**
ISK	I	19 10 45 48.3	38.63N	26.96E	10	3.2		**¶12854809**
DDA	I	19 10 45 48.6	38.62N	27.01E	14	3.2		
ISCJB	I	19 10 45 49.0–.48	38.64N–.02	26.99E–.03	10–4	3.2		
CSEM	I	19 10 45 49.3–.11	38.61N	26.97E	12	3.2		
ATH	I	19 10 45 50.0	38.59N	26.87E	59–4	3.5		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=179.7.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=87.0.							
ATH	Error ellipse: s-maj=0.9km s-min=2.5km az=-1.0.							
ISC	**I**	**19 17 40 19.2–.97**	**38.11N–.03**	**26.91E–.03**	**13–9**		**38**	**0-2**
ATH	I	19 17 40 17.6	38.12N	27.02E	28–0	2.7		**¶14358339**
ISCJB	I	19 17 40 19.2–.67	38.11N–.03	26.87E–.04	11–5	2.7		
CSEM	I	19 17 40 19.5–.23	38.10N	26.87E	15	2.7		
DDA	I	19 17 40 19.3	38.12N	26.94E	5	2.7		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=159.0.							
CSEM	Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=71.0.							
DDA	Event type ke.							
ISC	**I**	**19 19 17 18.0–.91**	**38.61N–.02**	**27.00E–.02**	**10–7**		**297**	**0-7**
CSEM	I	19 19 17 17.4–.07	38.61N	27.00E	8	3.7L		**¶12854799**
ISCJB	I	19 19 17 17.2–.43	38.61N–.01	26.98E–.02	12–3	3.7L		
DDA	I	19 19 17 17.3	38.62N	27.00E	7	3.9L		
ISK	I	19 19 17 17.1	38.60N	27.00E	17	3.7L		
THE	I	19 19 17 17.9	38.59N	27.05E	8–1	3.0L		
ATH	I	19 19 17 18.2	38.63N	26.88E	32–1	3.1L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=176.0.							
ISCJB	Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=136.9.							
DDA	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=198.0.							
ATH	Error ellipse: s-maj=0.5km s-min=1.0km az=-1.0.							
ISC	**I**	**21 01 22 50.2–.80**	**39.05N–.01**	**23.39E–.02**	**12–5**	**3.4b**	**180**	**0-43**
ATH	I	21 01 22 48.8	39.07N	23.44E	21–1	3.5L		**¶12081921**
ISCJB	I	21 01 22 49.7–.36	39.06N–.01	23.42E–.03	14–2	3.4b		
CSEM	I	21 01 22 49.6–.11	39.05N	23.38E	10	3.4L		
IDC	I	21 01 22 49.3–1.5	39.00N	23.45E	0	3.5b,3.4		
THE	I	21 01 22 50.0	39.04N	23.39E	12–0	3.4L,3.4		
SOF	I	21 01 22 55.7	39.67N	23.64E	2	3.2,3.4		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.5km s-min=1.0km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=179.9.							
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=95.0.							
IDC	Error ellipse: s-maj=32.7km s-min=18.7km az=108.0.							
THE	Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=97.0.							
ISC	**I**	**21 05 59 13.5–.81**	**39.05N–.02**	**23.38E–.03**	**16–6**		**62**	**0-2**
ISCJB	I	21 05 59 13.5–.45	39.04N–.02	23.39E–.04	11–4			**¶14189014**
THE	I	21 05 59 13.6	39.04N	23.38E	11–0	2.2L		
ATH	I	21 05 59 13.1	39.06N	23.36E	20–2	3.3		
CSEM	I	21 05 59 13.4–.11	39.05N	23.38E	10	2.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=3.4km az=167.2.							
THE	Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=105.0.							
ATH	Error ellipse: s-maj=0.6km s-min=1.5km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=89.0.							
ISC	**I**	**21 06 54 29.1–.96**	**40.37N–.02**	**25.80E–.02**	**12–9**		**85**	**0-2**
ISCJB	I	21 06 54 28.6–.48	40.37N–.02	25.81E–.03	0–4			**¶12854876**
ISK	I	21 06 54 28.6	40.39N	25.81E	8	3.0		
DDA	I	21 06 54 28.4	40.38N	25.84E	16	3.1		
CSEM	I	21 06 54 28.9–.15	40.38N	25.79E	10	3.0		
ATH	I	21 06 54 29.0	40.36N	25.80E	4–0	3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.5km s-min=3.3km az=166.1.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=175.0.							
ATH	Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.							
ISC	**I**	**21 12 09 35.6–1.1**	**40.01N–.02**	**24.79E–.02**	**13–10**		**94**	**0-6**
SOF	I	21 12 09 32.8	39.97N	24.80E	5	3.3		**¶14189019**
THE	I	21 12 09 33.9	39.98N	24.92E	1–0	3.1L		
DDA	I	21 12 09 33.4	40.02N	24.76E	20	3.1		
ATH	I	21 12 09 35.3	40.08N	24.75E	20–2	3.4		
ISCJB	I	21 12 09 36.8–.43	40.02N–.03	24.81E–.02	22–5	3.4		
CSEM	I	21 12 09 36.4–.17	40.00N	24.76E	20	3.4		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=123.0.							
DDA	Event type ke.							
ATH	Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=8.9.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=2.0.							
ATH	**I**	**21 22 25 10.1**	**39.05N**	**23.34E**	**59–1**			
CSEM	I	21 22 25 10.1	39.05N	23.34E	59			**¶14358393**
ATH	Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ISC	**I**	**22 01 16 52.2–1.0**	**40.02N–.02**	**24.76E–.02**	**18–7**		**129**	**0-3**
SOF	I	22 01 16 49.2	40.02N	24.87E	2	2.7		**¶12854907**
ISK	I	22 01 16 49.6	40.01N	24.71E	10	3.5		
ISCJB	I	22 01 16 51.9–.41	39.99N–.02	24.77E–.02	19–4	3.5		

ATH	I	22 01 16 51.3	40.01N	24.79E	30–0	3.1		
THE	I	22 01 16 51.8	40.03N	24.77E	11–1	2.8L		
CSEM	I	22 01 16 51.8–.08	40.01N	24.76E	15	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=0.0.							
ATH	Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=291.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=173.0.							
ISC	**I**	**22 01 23 36.0–.92**	**38.18N–.02**	**26.66E–.02**	**13–7**		**143**	**0-4**
ISCJB	I	22 01 23 35.4–.62	38.15N–.02	26.59E–.03	8–4			**¶12854905**
ATH	I	22 01 23 35.9	38.17N	26.63E	29–0	3.2L		
ISK	I	22 01 23 35.8	38.13N	26.79E	5	3.3		
CSEM	I	22 01 23 36.7–.16	38.09N	26.62E	15	3.2		
DDA	I	22 01 23 36.5	38.21N	26.75E	7	3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=23.7.							
ATH	Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=4.0km az=63.0.							
DDA	Event type ke.							
ISC	**I**	**25 03 53 16.8–.84**	**38.60N–.02**	**26.99E–.02**	**17–6**		**149**	**0-3**
ISK	I	25 03 53 16.0	38.62N	26.98E	14	3.3		**¶12854964**
CSEM	I	25 03 53 16.9–.08	38.60N	26.98E	15	3.3		
ISCJB	I	25 03 53 16.7–.43	38.63N–.02	27.00E–.02	12–3	3.3		
ATH	I	25 03 53 16.2	38.62N	27.05E	25–3	3.2		
DDA	I	25 03 53 17.1	38.63N	26.99E	8	3.2		
THE	I	25 03 53 17.2	38.61N	27.00E	7–1	3.3L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=111.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=21.7.							
ATH	Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0.							
DDA	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=346.0.							
ISC	**I**	**26 20 23 10.5–.97**	**40.37N–.02**	**25.79E–.03**	**16–9**		**76**	**0-2**
CSEM	I	26 20 23 10.5–.17	40.36N	25.73E	5	3.0		**¶12854976**
ATH	I	26 20 23 11.1	40.32N	25.73E	34–2	3.1		
THE	I	26 20 23 11.1	40.36N	25.77E	12–1	2.2L		
ISK	I	26 20 23 11.2	40.38N	25.91E	5	3.0		
DDA	I	26 20 23 14.5	40.11N	26.32E	7	2.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=171.0.							
ATH	Error ellipse: s-maj=1.6km s-min=1.1km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=83.0.							
DDA	Event type ke.							
ISC	**I**	**28 11 30 35.4–1.7**	**40.40N–.03**	**25.78E–.03**	**10–14**		**44**	**0-2**
ISCJB	I	28 11 30 34.4–1.2	40.37N–.04	25.68E–.06	4–9			**¶12855031**
ATH	I	28 11 30 35.6	40.41N	25.75E	30–1	3.2		
ISK	I	28 11 30 35.7	40.38N	25.80E	5	2.8		
CSEM	I	28 11 30 36.0–.20	40.38N	25.75E	10	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.2km s-min=6.9km az=161.8.							
ATH	Error ellipse: s-maj=1.0km s-min=1.6km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=129.0.							
ISC	**I**	**28 14 51 02.4–1.1**	**38.72N–.02**	**25.52E–.02**	**5–9**		**248**	**1-42**
DDA	I	28 14 51 02.0	38.77N	25.51E	7	3.4		**¶12855028**
ATH	I	28 14 51 02.7	38.74N	25.54E	29–1	3.3L		
ISCJB	I	28 14 51 02.5–.67	38.72N–.02	25.52E–.02	10–5	3.3b		
ISK	I	28 14 51 02.8	38.72N	25.47E	19	3.6L		
CSEM	I	28 14 51 02.5–.09	38.71N	25.50E	5	3.5L		
IDC	I	28 14 51 04.9–1.8	34.52N	29.35E	0	3.7,3.7		
THE	I	28 14 51 04.0	38.74N	25.59E	18–1	3.5L,3.7		
ISC	Event type ke.							
DDA	Event type ke.							
ATH	Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=168.4.							
CSEM	Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=158.0.							
IDC	Error ellipse: s-maj=142.1km s-min=27.2km az=140.0.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=90.0.							
ISC	**I**	**28 18 38 16.3–1.8**	**38.71N–.04**	**25.47E–.06**	**3–12**		**58**	**1-3**
DDA	I	28 18 38 14.7	38.69N	25.31E	9	3.1		**¶12855026**
ISCJB	I	28 18 38 17.2–1.3	38.70N–.05	25.45E–.08	16–8	3.1		
ATH	I	28 18 38 17.1	38.68N	25.53E	39–18	3.0		
CSEM	I	28 18 38 18.0–.44	38.74N	25.52E	10	3.0		
ISK	I	28 18 38 19.5	38.89N	25.81E	5	3.0		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.9km s-min=5.3km az=148.7.							
ATH	Error ellipse: s-maj=4.4km s-min=11.9km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9.8km s-min=4.1km az=59.0.							
ISC	**I**	**29 14 24 42.6–1.1**	**40.30N–.03**	**25.58E–.03**	**9–10**		**43**	**1-2**
ISCJB	I	29 14 24 41.4–.96	40.31N–.03	25.51E–.06	6–5			**¶12855057**
ISK	I	29 14 24 41.8	40.26N	25.55E	12	2.7		
ATH	I	29 14 24 41.6	40.33N	25.44E	32–3	2.9		
DDA	I	29 14 24 42.6	40.32N	25.64E	7	2.9		
CSEM	I	29 14 24 42.3–.33	40.28N	25.56E	2	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=22.8.							
ATH	Error ellipse: s-maj=1.3km s-min=6.0km az=-1.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=7.4km s-min=4.5km az=120.0.							
ISC	**I**	**29 14 37 52.3–1.1**	**40.31N–.03**	**25.52E–.03**	**11–12**		**22**	**0-2**
ISCJB	I	29 14 37 51.8–.82	40.31N–.04	25.52E–.04	1–9			**¶14189138**
DDA	I	29 14 37 51.0	40.31N	25.54E	5	2.9		
CSEM	I	29 14 37 52.1–.25	40.31N	25.54E	2	1.7L		
THE	I	29 14 37 52.4	40.32N	25.49E	4–24	1.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.0km s-min=5.8km az=8.3.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.0km s-min=4.9km az=149.0.							
THE	Event type ke. Error ellipse: s-maj=24.6km s-min=0.6km az=134.0.							
ISC	**I**	**30 06 12 35.7–1.5**	**40.37N–.03**	**25.84E–.07**	**13–10**		**44**	**0-2**
ISCJB	I	30 06 12 34.9–1.2	40.37N–.03	25.80E–.08	3–5			**¶12855094**
ISK	I	30 06 12 35.1	40.37N	25.84E	6	2.7		
CSEM	I	30 06 12 35.1–.46	40.37N	25.78E	8	2.7		
DDA	I	30 06 12 36.8	40.33N	25.98E	7	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.5km s-min=5.0km az=5.6.							
CSEM	Event type ke. Error ellipse: s-maj=8.9km s-min=4.2km az=90.0.							
DDA	Event type ke.							
ISC	**I**	**30 07 46 41.9–1.2**	**39.39N–.02**	**25.61E–.03**	**5–11**		**66**	**1-3**
ISCJB	I	30 07 46 41.9–.88	39.39N–.03	25.60E–.05	7–5			**¶12855093**
CSEM	I	30 07 46 42.2–.27	39.38N	25.59E	10	3.0		
DDA	I	30 07 46 42.2	39.38N	25.75E	4	2.8		
ATH	I	30 07 46 42.7	39.38N	25.60E	5–3	3.0		
ISK	I	30 07 46 43.4	39.42N	25.75E	16	3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=162.6.							
CSEM	Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=67.0.							
DDA	Event type ke.							
ATH	Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0.							
ISC	**I**	**30 20 42 37.9–1.1**	**40.42N–.02**	**25.81E–.02**	**9–10**		**104**	**0-3**
THE	I	30 20 42 38.8	40.39N	25.76E	11–0	2.7L		**¶12855080**
CSEM	I	30 20 42 38.5–.20	40.42N	25.74E	2	3.2		
ISK	I	30 20 42 39.1	40.45N	25.91E	5	3.2		
DDA	I	30 20 42 40.1	40.34N	25.98E	8	3.2		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=91.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=164.0.							
DDA	Event type ke.							
ISC	**I**	**31 21 08 38.2–1.1**	**40.34N–.02**	**25.86E–.03**	**6–10**		**84**	**0-4**
ISCJB	I	31 21 08 37.2–.67	40.32N–.02	25.81E–.04	2–5			**¶12855102**
ATH	I	31 21 08 37.8	40.35N	25.89E	23–1	3.1		
CSEM	I	31 21 08 38.1–.11	40.32N	25.86E	2	2.9		
DDA	I	31 21 08 38.5	40.32N	25.93E	6	2.8		
ISK	I	31 21 08 38.6	40.31N	25.96E	6	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=160.3.							
ATH	Error ellipse: s-maj=0.8km s-min=1.3km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=142.0.							
DDA	Event type ke.							
ISC	**II**	**01 00 21 33.2–1.0**	**40.38N–.02**	**25.77E–.03**	**12–9**		**54**	**0-2**
ISK	II	01 00 21 32.0	40.35N	25.77E	4	2.5		**¶13434107**
ATH	II	01 00 21 32.8	40.39N	25.77E	28–1	3.1		
CSEM	II	01 00 21 32.9–.21	40.38N	25.75E	8	2.5		
ISCJB	II	01 00 21 32.0–.80	40.39N–.02	25.70E–.05	8–5	2.5		
DDA	II	01 00 21 34.6	40.37N	25.94E	7	2.8		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.8km s-min=1.3km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=93.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.3km s-min=4.1km az=171.6.							
DDA	Event type ke.							
ISC	**II**	**02 02 14 43.8–1.1**	**40.33N–.02**	**25.85E–.02**	**13–9**		**114**	**0-4**
DDA	II	02 02 14 42.4	40.35N	25.84E	18	3.1		**¶13434173**
CSEM	II	02 02 14 43.8–.15	40.32N	25.80E	2	3.0		
ISK	II	02 02 14 43.5	40.33N	25.89E	5	3.0		
ISCJB	II	02 02 14 43.6–.45	40.32N–.02	25.80E–.03	8–3	3.0		
ATH	II	02 02 14 43.6	40.33N	25.83E	29–0	3.2		
THE	II	02 02 14 44.5	40.34N	25.82E	14–1	2.2L		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=87.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=3.4km az=16.6.							
ATH	Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=335.0.							
ISC	**II**	**02 13 20 43.3–1.1**	**38.82N–.03**	**26.92E–.03**	**26–13**		**32**	**1-2**
ATH	II	02 13 20 39.1	38.92N	27.23E	54	2.8		**¶14358718**
DDA	II	02 13 20 43.3	38.84N	26.91E	7	2.6		
CSEM	II	02 13 20 43.3–.37	38.78N	26.77E	30	2.6		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=4.8km s-min=14.3km az=-1.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=11.5km s-min=8.5km az=107.0.							
ISC	**II**	**04 00 19 07.2–.93**	**38.48N–.02**	**26.78E–.03**	**17–6**		**70**	**0-2**
ISK	II	04 00 19 07.7	38.52N	26.83E	5	3.0		**¶13434236**
ATH	II	04 00 19 07.2	38.40N	26.58E	74–4	3.0		
DDA	II	04 00 19 07.4	38.50N	26.86E	18	3.1		
ISCJB	II	04 00 19 08.1–.57	38.50N–.02	26.85E–.03	9–4	3.1		
CSEM	II	04 00 19 08.2–.18	38.50N	26.84E	12	3.0		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=171.1.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=86.0.							
ISC	**II**	**04 02 30 37.4–1.0**	**40.14N–.03**	**24.04E–.03**	**14–8**		**34**	**0-2**
ISCJB	II	04 02 30 38.3–.71	40.15N–.03	23.94E–.05	12–4			**¶14189258**
THE	II	04 02 30 38.4	40.16N	23.99E	8–4	2.2L		
ATH	II	04 02 30 38.0	40.13N	23.98E	15–5	2.9		
CSEM	II	04 02 30 38.4–.27	40.16N	23.98E	5	2.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=5.0km az=33.2.							
THE	Event type ke. Error ellipse: s-maj=4.2km s-min=0.8km az=25.0.							
ATH	Error ellipse: s-maj=0.9km s-min=2.9km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=161.0.							
ISC	**II**	**04 12 53 25.0–.00**	**40.33N–.02**	**25.82E–.02**	**11–9**		**96**	**0-3**
CSEM	II	04 12 53 24.7–.15	40.32N	25.81E	3–1	3.1		**¶13434247**
ATH	II	04 12 53 24.7	40.34N	25.80E	27–0	3.2		
ISCJB	II	04 12 53 24.6–.48	40.32N–.02	25.81E–.03	6–4	3.2		
ISK	II	04 12 53 25.1	40.31N	25.94E	3	3.1		
THE	II	04 12 53 25.5	40.34N	25.81E	12–1	2.9L		
SOF	II	04 12 53 26.7	40.39N	25.69E	13	3.0		
DDA	II	04 12 53 30.6	40.14N	26.25E	7	3.0		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=33.0.							
ATH	Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=176.3.							
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=82.0.							
DDA	Event type ke.							
ISC	**II**	**05 04 26 58.3–1.0**	**38.16N–.02**	**26.59E–.02**	**6–9**		**76**	**0-3**
ISCJB	II	05 04 26 57.8–.80	38.15N–.02	26.55E–.04	1–6			**¶13434270**
ATH	II	05 04 26 58.3	38.17N	26.55E	29–1	2.9		
DDA	II	05 04 26 58.9	38.21N	26.62E	7	3.0		
CSEM	II	05 04 26 58.9–.29	38.16N	26.60E	2	3.0		
ISK	II	05 04 26 59.0	38.16N	26.77E	5	3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=153.1.							
ATH	Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.4km s-min=4.8km az=53.0.							
ISC	**II**	**07 03 00 51.3–1.0**	**40.43N–.02**	**25.83E–.01**	**7–9**		**260**	**0-6**
ISK	II	07 03 00 49.8	40.43N	25.77E	9	3.6		**¶13434348**
SOF	II	07 03 00 49.7	40.42N	25.76E	3	3.0		
ISCJB	II	07 03 00 50.7–.42	40.44N–.02	25.82E–.02	6–3	3.0		
DDA	II	07 03 00 50.7	40.44N	25.83E	24	3.7		
CSEM	II	07 03 00 51.1–.07	40.42N	25.81E	5	3.6		
ATH	II	07 03 00 51.0	40.46N	25.83E	26–0	3.8		
THE	II	07 03 00 51.3	40.41N	25.83E	0–2	3.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=25.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=20.0.							
ATH	Error ellipse: s-maj=0.5km s-min=0.9km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=116.0.							
ISC	**II**	**07 06 44 56.2–.86**	**38.30N–.02**	**24.07E–.02**	**14–6**		**185**	**0-3**
ISCJB	II	07 06 44 55.7–.42	38.29N–.02	24.09E–.02	14–3			**¶14189335**
ATH	II	07 06 44 55.4	38.30N	24.07E	26–1	3.7L		
CSEM	II	07 06 44 55.8–.14	38.31N	24.07E	12	3.2L		
THE	II	07 06 44 56.6	38.30N	24.04E	8–1	3.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=170.5.							
ATH	Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=81.0.							
THE	Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=239.0.							
ISC	**II**	**07 14 49 35.2–.88**	**38.19N–.02**	**26.71E–.02**	**12–6**		**97**	**0-3**
ATH	II	07 14 49 34.4	38.19N	26.74E	34–1	3.0		**¶13434367**
DDA	II	07 14 49 35.0	38.19N	26.73E	7	3.0		
CSEM	II	07 14 49 35.2–.18	38.18N	26.71E	5	3.0		
THE	II	07 14 49 35.5	38.19N	26.73E	12–1	2.9L		
ISK	II	07 14 49 35.3	38.17N	26.79E	6	3.1		
ISCJB	II	07 14 49 35.3–.43	38.19N–.02	26.70E–.03	10–3	3.1		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke.							
THE	Event type ke.							
ISCJB	Event type ke.							
ISC	**II**	**08 14 59 30.8–.88**	**38.30N–.02**	**24.04E–.02**	**15–6**		**128**	**0-4**
ISCJB	II	08 14 59 30.6–.44	38.30N–.02	24.05E–.03	12–3			**¶14189378**
ATH	II	08 14 59 30.0	38.30N	24.06E	23–1	3.9L,3.2		
CSEM	II	08 14 59 30.8–.16	38.30N	24.04E	12	3.4L,3.2		
THE	II	08 14 59 31.1	38.29N	24.03E	8–1	3.4L,3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=4.1.							
ATH	Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=94.0.							

THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=262.0.
ISC II 09 01 00 17.2–1.3 40.33N–.02 25.82E–.02 5–11 83 0-3
ISCJB II 09 01 00 17.4–.67 40.30N–.02 25.73E–.04 6–4 ¶13434404
ISK II 09 01 00 17.1 40.31N 25.83E 5 3.0
ATH II 09 01 00 17.7 40.33N 25.84E 26–0 3.1
DDA II 09 01 00 18.4 40.33N 25.90E 7 2.8
CSEM II 09 01 00 18.0–.19 40.31N 25.77E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=148.7.
ATH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=96.0.
ISC II 09 12 08 11.6–.88 38.37N–.03 26.47E–.03 12–6 34 0-2
ISCJB II 09 12 08 11.6–.59 38.36N–.03 26.45E–.04 8–5 ¶14358945
ATH II 09 12 08 11.8 38.36N 26.43E 12–6 2.8
CSEM II 09 12 08 11.5–.19 38.36N 26.46E 5 2.7
DDA II 09 12 08 12.6 38.41N 26.63E 3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.6km az=139.9.
ATH Error ellipse: s-maj=0.7km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=58.0.
DDA Event type ke.
ISC II 09 16 25 55.6–1.1 38.58N–.04 26.67E–.04 25–14 20 1-1
DDA II 09 16 25 53.8 38.60N 26.67E 7 2.9 ¶14358948
ATH II 09 16 25 55.0 38.57N 26.55E 48–24 2.8
CSEM II 09 16 25 55.4–.17 38.59N 26.69E 15 2.8
ISCJB II 09 16 25 56.0–.65 38.58N–.04 26.67E–.06 23–13 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC II 09 20 44 19.6–1.1 38.24N–.04 26.97E–.03 9–13 24 0-1
ISCJB II 09 20 44 19.3–.76 38.17N–.04 26.89E–.06 21–11 ¶14358953
ATH II 09 20 44 19.5 38.21N 26.94E 25–3 2.7
DDA II 09 20 44 19.3 38.24N 26.98E 7 2.9
CSEM II 09 20 44 19.3–.17 38.25N 26.97E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.5km az=145.3.
ATH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=29.0.
ISC II 10 01 05 10.6–1.1 40.34N–.02 25.87E–.02 6–12 73 0-4
ISK II 10 01 05 10.3 40.25N 25.96E 5 2.7 ¶13434430
ATH II 10 01 05 10.8 40.34N 25.82E 4 3.2
CSEM II 10 01 05 10.5–.16 40.31N 25.84E 2 2.7
DDA II 10 01 05 11.0 40.34N 25.91E 7 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=164.0.
DDA Event type ke.
ISC II 10 20 48 26.5–1.2 38.75N–.02 25.53E–.02 7–10 95 1-3
ISK II 10 20 48 25.9 38.74N 25.52E 10 3.5 ¶13434443
CSEM II 10 20 48 27.0–.11 38.75N 25.53E 10 3.1L
ISCJB II 10 20 48 27.1–1.2 38.76N–.02 25.52E–.03 14–9 3.1L
ATH II 10 20 48 27.0 38.78N 25.59E 32–1 3.2
THE II 10 20 48 28.7 38.74N 25.63E 31–39 3.1L
DDA II 10 20 48 28.6 38.82N 25.68E 7 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=14.0.
ATH Error ellipse: s-maj=0.7km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=39.8km s-min=1.3km az=120.0.
DDA Event type ke.
ISC II 11 03 53 19.9–.98 40.32N–.02 25.82E–.02 10–8 200 0-7
SKO II 11 03 53 18.8 40.20N 25.82E 1 ¶13434448
SOF II 11 03 53 18.5 40.33N 25.80E 10 2.9
CSEM II 11 03 53 19.5–.07 40.32N 25.80E 5 3.2
ATH II 11 03 53 19.4 40.34N 25.83E 28–0 3.2
ISCJB II 11 03 53 19.2–.40 40.34N–.02 25.80E–.02 8–3 3.2
ISK II 11 03 53 20.0 40.32N 25.90E 9 3.2
THE II 11 03 53 20.3 40.34N 25.82E 8–0 2.8L
DDA II 11 03 53 20 40.31N 25.90E 7 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=35.0.
ATH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=137.5.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=77.0.
DDA Event type ke.
ISC II 11 04 16 26.2–1.1 40.34N–.02 25.83E–.02 8–9 196 0-6
SKO II 11 04 16 25.2 40.18N 25.76E 0 ¶13434449
DDA II 11 04 16 25.6 40.33N 25.85E 8 3.2
ISCJB II 11 04 16 25.7–.40 40.34N–.02 25.82E–.02 7–3 3.2
SOF II 11 04 16 26.2 40.45N 25.82E 6 2.8
CSEM II 11 04 16 26.4–.07 40.33N 25.84E 8 3.3
ISK II 11 04 16 26.8 40.34N 25.92E 12 3.3
THE II 11 04 16 26.6 40.33N 25.82E 4–1 2.6L
ATH II 11 04 16 26.1 40.34N 25.83E 29–0 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=136.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=27.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=107.0.
ATH Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0.
ISC II 11 07 23 32.4–1.0 40.33N–.02 25.80E–.01 9–8 243 0-6
ISK II 11 07 23 31.7 40.33N 25.81E 5 3.5L ¶13434452
ISCJB II 11 07 23 31.7–.37 40.34N–.01 25.78E–.02 7–2 3.5L
SKO II 11 07 23 31.7 40.24N 25.82E 6 3.5L
SOF II 11 07 23 31.6 40.40N 25.81E 8 2.8
ATH II 11 07 23 32.0 40.34N 25.84E 27–0 3.2
CSEM II 11 07 23 32.2–.08 40.32N 25.78E 5 3.5L
DDA II 11 07 23 32.5 40.28N 25.90E 26 3.1
THE II 11 07 23 33.0 40.35N 25.80E 12–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=28.5.
ATH Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=35.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=80.0.
ISC II 12 14 52 56.2–1.6 38.82N–.03 26.60E–.05 2–13 26 0-2
ISCJB II 12 14 52 56.7–.94 38.81N–.03 26.62E–.08 2–9 ¶15133216
DDA II 12 14 52 57.4 38.79N 26.67E 7 2.8
CSEM II 12 14 52 57.4 38.79N 26.67E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.8km az=1.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 13 07 49 37.8–.95 40.21N–.03 25.16E–.02 13–9 68 0-2
ISK II 13 07 49 36.0 40.14N 25.14E 8 3.0 ¶13434576
ATH II 13 07 49 37.2 40.21N 25.12E 26–1 3.1
CSEM II 13 07 49 37.8–.13 40.20N 25.17E 15 2.7L
THE II 13 07 49 38.1 40.21N 25.15E 12–1 2.7L
ISCJB II 13 07 49 38.4–.39 40.18N–.03 25.16E–.03 22–4 2.7L
DDA II 13 07 49 38.7 40.37N 25.37E 7 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=3.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=192.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=7.8.
DDA Event type ke.
ISC II 14 01 13 31.7–1.5 39.58N–.04 25.58E–.04 3–17 46 0-3
ATH II 14 01 13 28.7 39.31N 25.47E 30–2 3.1 ¶13434604
DDA II 14 01 13 30.8 39.44N 25.62E 7 3.1
ISK II 14 01 13 32.2 39.63N 25.57E 5 3.2
ISCJB II 14 01 13 32.4–1.8 39.62N–.07 25.50E–.07 5–9 3.2
CSEM II 14 01 13 34.2–.30 39.67N 25.55E 10 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=7.1km az=35.3.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.6km az=35.0.
ISC II 16 01 47 37.0–.96 38.88N–.02 26.97E–.02 12–7 3.5b 319 0-41
DDA II 16 01 47 36.0 38.89N 26.97E 24 3.9L ¶12700857
ISK II 16 01 47 35.9 38.89N 26.95E 13 3.7L
ISCJB II 16 01 47 36.1–.48 38.90N–.01 26.94E–.02 10–4 3.3b,3.0s
CSEM II 16 01 47 36.9–.05 38.87N 26.97E 10 3.9L,3.0s
ATH II 16 01 47 36.2 38.87N 26.97E 26–1 3.5L,3.0s
THE II 16 01 47 38.4 38.85N 26.85E 13–1 3.8L,3.0s
IDC II 16 01 47 38.5–1.2 39.38N 27.17E 0 3.5,3.4
SOF II 16 01 47 39.1 39.23N 26.83E 2 3.4,3.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=141.9.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=47.0.
ATH Error ellipse: s-maj=0.7km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=269.0.
IDC Error ellipse: s-maj=20.5km s-min=18.4km az=156.0.
ISC II 17 04 45 26.3–.99 40.38N–.02 25.78E–.02 14–9 88 0-2
ISCJB II 17 04 45 25.3–.67 40.38N–.03 25.72E–.04 10–4 ¶13434702
ATH II 17 04 45 25.8 40.39N 25.78E 26–1 3.3
ISK II 17 04 45 26.4 40.36N 25.84E 7 3.1
DDA II 17 04 45 26.0 40.38N 25.83E 6 3.0
CSEM II 17 04 45 26.0–.19 40.37N 25.76E 8 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=24.8.
ATH Error ellipse: s-maj=0.8km s-min=1.3km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=119.0.
ISC II 17 17 06 38.1–.91 38.65N–.02 26.68E–.02 14–8 57 0-2
DDA II 17 17 06 36.7 38.63N 26.66E 27 2.9 ¶13434779
ISCJB II 17 17 06 38.3–.58 38.64N–.03 26.69E–.03 13–5 2.9
ISK II 17 17 06 38.5 38.64N 26.74E 6 2.7
CSEM II 17 17 06 38.2–.26 38.64N 26.69E 1–3 2.9
THE II 17 17 06 40.0 38.67N 26.56E 11–2 2.3L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=160.9.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.5km az=102.0.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.0km az=106.0.
ISC II 19 10 14 00.8–1.1 39.46N–.02 25.93E–.03 10–11 80 0-3
ISCJB II 19 10 13 59.5–.91 39.41N–.03 25.83E–.04 6–6 ¶13434860
ISK II 19 10 13 59.4 39.45N 25.94E 5 3.2
CSEM II 19 10 13 59.7–.24 39.41N 25.82E 3–0 3.3
DDA II 19 10 14 00.9 39.46N 26.00E 6 3.0L
ATH II 19 10 14 00.3 39.47N 25.95E 19–1 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.3km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.2km az=47.0.
DDA Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=1.1km az=-1.0.
ISC II 20 04 03 23.6–1.0 39.54N–.02 23.49E–.02 8–9 90 0-3
ISCJB II 20 04 03 23.2–.53 39.55N–.02 23.50E–.03 3–5 ¶14189725
ATH II 20 04 03 23.9 39.55N 23.46E 5 2.9L
CSEM II 20 04 03 23.7–.12 39.56N 23.47E 8 2.8L
THE II 20 04 03 24.2 39.53N 23.44E 12–1 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=15.6.
ATH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=100.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=210.0.
ISC II 20 17 33 55.1–1.2 38.67N–.04 26.02E–.06 23–10 20 0-2
ATH II 20 17 33 53.0 38.66N 25.75E 24–7 3.0 ¶14359357
ISCJB II 20 17 33 54.3–1.3 38.69N–.05 26.0E–.10 21–8 3.0
CSEM II 20 17 33 54.6–.50 38.67N 25.98E 17–2 3.0
DDA II 20 17 33 56 38.62N 26.13E 7 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=12.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=7.7km az=11.8.
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=9.0km az=94.0.
DDA Event type ke.
THE II 21 18 32 10.8 39.27N 23.29E 4–3
CSEM II 21 18 32 10.8 39.27N 23.29E 4 ¶16316192
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.3km az=298.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC II 25 10 19 32.0–1.5 38.66N–.05 26.09E–.07 16–13 24 0-2
ISCJB II 25 10 19 31.2–1.2 38.62N–.04 26.03E–.07 4–8 ¶14359494
ATH II 25 10 19 31.7 38.65N 26.35E 59 2.6
CSEM II 25 10 19 31.9–.42 38.62N 26.05E 10 2.9
DDA II 25 10 19 32.6 38.67N 26.17E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.7km az=172.2.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=7.0km az=83.0.
DDA Event type ke.
ISC II 25 12 11 27.3–1.1 38.60N–.03 26.93E–.03 14–9 42 0-2
ATH II 25 12 11 18.3 38.19N 27.20E 44 2.4 ¶13435080
ISCJB II 25 12 11 28.0–.83 38.62N–.03 26.99E–.05 7–6 2.4
DDA II 25 12 11 27.8 38.61N 27.00E 7 2.9
ISK II 25 12 11 28.0 38.62N 27.02E 14 2.7
CSEM II 25 12 11 28.5–.12 38.61N 27.02E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.0km az=154.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.7km az=68.0.
ISC II 27 14 51 26.7–.95 38.33N–.02 26.89E–.02 13–7 129 0-4
ISK II 27 14 51 25.5 38.31N 26.88E 5 3.5 ¶13435160
DDA II 27 14 51 25.9 38.36N 26.87E 25 3.3
ISCJB II 27 14 51 26.8–.48 38.34N–.02 26.89E–.03 13–3 3.3
CSEM II 27 14 51 26.8–.13 38.33N 26.88E 10 3.3
ATH II 27 14 51 27.1 38.34N 26.88E 29–1 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=145.7.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=68.0.
ATH Error ellipse: s-maj=0.6km s-min=1.4km az=-1.0.
ISC III 01 00 46 04.0–1.0 38.87N–.02 26.04E–.02 7–8 3.5b 422 0-41
ISK III 01 00 46 01.9 38.85N 25.91E 2 3.9L ¶11754791
DDA III 01 00 46 02.5 38.86N 26.00E 27 3.7
IDC III 01 00 46 03.5–1.2 38.91N 26.15E 0 3.6,3.6b
ATH III 01 00 46 03.4 38.85N 26.14E 29–0 3.8L,3.6b
ISCJB III 01 00 46 03.3–.49 38.88N–.01 26.01E–.02 5–4 3.5b,3.4s
CSEM III 01 00 46 04.1–.08 38.86N 26.01E 5 3.8L,3.4s
THE III 01 00 46 04.4 38.86N 26.09E 8–1 4.0L,3.4s
SOF III 01 00 46 06.4 39.20N 26.05E 5 3.5,3.4s
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=16.5km az=32.0.
ATH Error ellipse: s-maj=0.4km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=170.1.
CSEM Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=104.0.
SOF III 01 00 58 10.8 39.92N 25.36E 2 3.0
CSEM III 01 00 58 11.1–.45 39.81N 25.34E 2 3.0 ¶14547648
CSEM Event type ke. Error ellipse: s-maj=20.6km s-min=5.4km az=55.0.

ISC III 02 00 23 51.2–.86 39.33N–.02 23.53E–.02 13–6 93 0-2
ATH III 02 00 23 50.8 39.31N 23.53E 17–2 3.2 ¶14189987
ISCJB III 02 00 23 51.4–.46 39.33N–.02 23.53E–.03 12–3 3.2
THE III 02 00 23 51.7 39.33N 23.51E 13–0 2.1L
CSEM III 02 00 23 51.3–.14 39.33N 23.53E 15 2.1L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=3.9.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=111.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=99.0.
ISC III 02 00 58 17.0–.81 40.10N–.02 25.22E–.02 13–6 3.4b 358 0-42
SOF III 02 00 58 13.1 40.08N 25.32E 2 3.4 ¶12702222
BEO III 02 00 58 13.1–.66 40.08N 25.56E 0 3.5L
DDA III 02 00 58 14.8 40.14N 25.09E 20 3.1
ISK III 02 00 58 14.3 40.00N 25.18E 5 3.7L
ISCJB III 02 00 58 15.1–.41 40.11N–.01 25.17E–.01 4–3 3.3b
IDC III 02 00 58 15.7–1.3 40.13N 25.18E 0 3.4b,3.4
ATH III 02 00 58 15.8 40.09N 25.17E 24–1 3.5,3.4
CSEM III 02 00 58 16.7–.07 40.08N 25.16E 10 3.5,3.4
THE III 02 00 58 17.5 40.09N 25.22E 17–1 3.4L,3.4
ISC Event type ke.
BEO Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=25.6.
IDC Error ellipse: s-maj=20.1km s-min=18.7km az=87.0.
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=18.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=112.0.
ISC III 02 04 17 25.9–.84 40.10N–.02 25.24E–.02 15–6 143 0-4
SOF III 02 04 17 23.8 40.14N 25.29E 8 3.0 ¶13435351
ATH III 02 04 17 25.3 40.06N 25.16E 24–2 3.4
CSEM III 02 04 17 25.4–.08 40.09N 25.21E 10 3.4
THE III 02 04 17 26.2 40.10N 25.22E 12–1 2.9L
ISCJB III 02 04 17 26.2–.34 40.09N–.02 25.23E–.02 21–4 2.9L
ISK III 02 04 17 27.8 40.08N 25.32E 32 3.4
DDA III 02 04 17 29.4 40.11N 25.55E 20 3.4
ISC Event type ke.
ATH Error ellipse: s-maj=3.0km s-min=5.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=7.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=6.0.
DDA Event type ke.
ISC III 02 21 45 07.4–1.1 38.85N–.02 26.07E–.03 14–9 102 0-4
ISK III 02 21 45 05.0 38.76N 25.90E 5 3.3 ¶13435407
THE III 02 21 45 07.2 38.85N 26.33E 23–1 2.5L
DDA III 02 21 45 07.5 38.89N 26.07E 7 3.3
CSEM III 02 21 45 07.0–.19 38.81N 25.96E 2 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=100.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.4km az=80.0.
ISC III 04 00 49 07.5–1.0 39.10N–.02 24.51E–.01 11–9 325 0-9
SOF III 04 00 49 05.9 39.18N 24.68E 6 3.2 ¶13435497
ISCJB III 04 00 49 07.3–.49 39.12N–.01 24.47E–.02 8–4 3.2
THE III 04 00 49 07.4 39.09N 24.53E 5–0 3.5L
ATH III 04 00 49 07.2 39.12N 24.52E 29–1 3.6L
CSEM III 04 00 49 07.9–.09 39.09N 24.43E 10 3.5L
BEO III 04 00 49 07.9–1.1 39.01N 24.15E 0 3.2L
ISK III 04 00 49 10.9 38.95N 24.54E 32 3.4L
DDA III 04 00 49 24.0 38.95N 25.98E 40 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=149.2.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=287.0.
ATH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=150.0.
BEO Event type ke.
DDA Event type ke.
ISC III 04 16 34 29.6–.99 38.48N–.02 25.42E–.02 16–8 199 1-4
DDA III 04 16 34 27.2 38.49N 25.35E 20 3.5L ¶13435528
ISK III 04 16 34 27.1 38.48N 25.36E 7 3.4
ATH III 04 16 34 28.8 38.48N 25.45E 33–4 2.9L
ISCJB III 04 16 34 29.5–.41 38.47N–.02 25.42E–.02 21–4 2.9L
CSEM III 04 16 34 29.1–.09 38.47N 25.41E 12 3.1L
THE III 04 16 34 30.3 38.44N 25.49E 26–2 3.1L
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=154.5.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=152.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=123.0.
ISC III 04 20 06 43.2–1.0 38.11N–.03 26.59E–.03 11–9 58 0-3
ISK III 04 20 06 42.6 38.13N 26.60E 10 2.7 ¶13435532
ISCJB III 04 20 06 43.1–.70 38.11N–.03 26.58E–.04 7–5 2.7
ATH III 04 20 06 43.4 38.11N 26.56E 30–2 3.0
DDA III 04 20 06 43.9 38.15N 26.68E 15 2.8
CSEM III 04 20 06 43.4–.16 38.10N 26.59E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=149.8.
ATH Error ellipse: s-maj=2.0km s-min=5.1km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=53.0.
ISC III 05 04 23 50.6–.95 38.37N–.03 26.39E–.03 19–2 77 0-3
DDA III 05 04 23 49.4 38.38N 26.44E 24 3.2 ¶14190125
ISCJB III 05 04 23 50.5–.49 38.39N–.03 26.39E–.03 14–3 3.2
ATH III 05 04 23 50.2 38.38N 26.27E 32–2 3.2
CSEM III 05 04 23 50.1–.18 38.38N 26.38E 15 3.2
THE III 05 04 23 51.4 38.38N 26.38E 17–2 3.3L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.2km az=37.5.
ATH Error ellipse: s-maj=2.2km s-min=6.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=54.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.8km az=264.0.
ISC III 05 17 40 20.2–1.3 39.83N–.03 25.52E–.02 2–12 88 0-4
ISK III 05 17 40 19.6 39.85N 25.53E 5 3.3 ¶13435567
ATH III 05 17 40 20.4 39.59N 25.36E 11–6 3.2
CSEM III 05 17 40 20.5–.27 39.78N 25.51E 2 3.2
DDA III 05 17 40 22.0 39.79N 25.83E 7 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=7.2km s-min=6.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.2km az=20.0.
DDA Event type ke.
ISC III 07 02 01 22.9–.81 39.97N–.02 23.74E–.03 12–5 82 0-2
ATH III 07 02 01 22.7 39.97N 23.76E 26–0 2.9 ¶14190148
CSEM III 07 02 01 22.7–.13 39.96N 23.76E 10 2.2L
ISCJB III 07 02 01 23.3–.41 39.95N–.02 23.77E–.04 16–4 2.2L
THE III 07 02 01 23.1 39.97N 23.76E 9–0 2.2L
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.0km az=7.9.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=255.0.
ISC III 07 21 40 08.5–1.1 39.89N–.03 24.28E–.02 18–3 47 0-2
ATH III 07 21 40 07.9 39.88N 24.28E 30–1 2.8 ¶14190160
ISCJB III 07 21 40 08.9–.47 39.91N–.03 24.29E–.04 27–5 2.8
THE III 07 21 40 08.9 39.90N 24.28E 19–2 2.2L
CSEM III 07 21 40 08.6–.12 39.90N 24.29E 18–1 2.2L
ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=155.9.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=162.0.
ISC III 09 00 24 42.1–1.1 38.98N–.02 26.27E–.03 10–8 99 0-3
ISCJB III 09 00 24 41.5–.61 38.97N–.02 26.23E–.04 6–4 ¶13435788
ISK III 09 00 24 41.6 38.95N 26.24E 14 3.2
ATH III 09 00 24 41.5 39.03N 26.39E 24–3 3.2
DDA III 09 00 24 42.2 38.98N 26.30E 7 3.1
CSEM III 09 00 24 42.2–.15 38.96N 26.26E 10 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=162.6.
ATH Error ellipse: s-maj=1.6km s-min=7.2km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.1km az=69.0.
ISC III 09 08 48 01.3–.95 40.54N–.03 24.27E–.03 17–8 46 0-1
ISCJB III 09 08 48 01.5–.62 40.53N–.03 24.27E–.05 25–5 ¶14190191
ATH III 09 08 48 01.0 40.54N 24.28E 36–4 2.9
CSEM III 09 08 48 01.2–.13 40.53N 24.27E 15 1.9L
THE III 09 08 48 02.0 40.55N 24.22E 12–1 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.1km az=26.0.
ATH Error ellipse: s-maj=1.3km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=150.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=188.0.
ISC III 10 21 02 16.0–.81 38.30N–.02 26.58E–.02 17–5 85 0-4
ISK III 10 21 02 15.3 38.28N 26.57E 5 3.4 ¶13435938
DDA III 10 21 02 15.6 38.27N 26.56E 18 3.2
ISCJB III 10 21 02 16.3–.58 38.25N–.02 26.53E–.04 7–4 3.2
ATH III 10 21 02 16.3 38.27N 26.34E 41–2 3.2
CSEM III 10 21 02 16.5–.19 38.27N 26.57E 2 3.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=145.5.
ATH Error ellipse: s-maj=1.0km s-min=6.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=57.0.
ISC III 11 08 35 47.2–.97 39.81N–.02 25.61E–.02 10–8 85 0-3
ATH III 11 08 35 46.5 39.80N 25.54E 28–1 3.0 ¶13435974
ISCJB III 11 08 35 46.7–.47 39.82N–.02 25.60E–.02 4–4 3.0
DDA III 11 08 35 46.8 39.88N 25.63E 6 2.9
ISK III 11 08 35 47.0 39.81N 25.71E 2 3.0
THE III 11 08 35 47.5 39.81N 25.60E 7–1 2.2L
CSEM III 11 08 35 47.2–.15 39.82N 25.59E 8 2.2L
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=10.7.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=70.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=17.0.
ISC III 12 02 22 39.5–2.1 38.47N–.04 25.48E–.08 17–12 35 1-2
CSEM III 12 02 22 38.6–.71 38.41N 25.47E 2 2.8 ¶13436047
DDA III 12 02 22 40.5 38.57N 25.65E 9 2.8
ISK III 12 02 22 41.1 38.31N 25.71E 12 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.2km s-min=8.8km az=126.0.
DDA Event type ke.
ISC III 12 16 19 54.3–.88 39.50N–.02 23.68E–.03 17–7 54 0-1
ISCJB III 12 16 19 54.5–.50 39.50N–.02 23.65E–.04 12–4 ¶14190284
THE III 12 16 19 54.6 39.51N 23.66E 9–1 2.3L
ATH III 12 16 19 54.6 39.51N 23.67E 15–5 3.1
CSEM III 12 16 19 54.5–.14 39.50N 23.66E 15 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.4km az=11.6.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=138.0.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=101.0.
ISC III 14 18 53 39.5–.96 38.83N–.01 26.81E–.02 11–8 3.4b 291 0-74
DDA III 14 18 53 38.3 38.82N 26.84E 25 3.9L,3.8 ¶12703283
ATH III 14 18 53 38.6 38.80N 26.82E 28–1 3.7,3.8
ISK III 14 18 53 38.7 38.82N 26.82E 17 3.9L,3.8
ISCJB III 14 18 53 39.5–.31 38.82N–.01 26.79E–.02 24–3 3.2b,3.8
THE III 14 18 53 39.4 38.79N 26.78E 5–2 4.0L,3.8
CSEM III 14 18 53 39.4–.14 38.81N 26.80E 12–1 3.9L,3.8
SOF III 14 18 53 41.3 39.05N 26.70E 11 3.4,3.8
IDC III 14 18 53 43.0–1.2 39.27N 27.15E 0 3.5L,3.5
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=143.5.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=273.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=57.0.
IDC Error ellipse: s-maj=35.9km s-min=19.5km az=160.0.
ISC III 14 20 03 34.2–1.1 38.88N–.03 25.99E–.04 15–9 37 0-3
ISCJB III 14 20 03 33.3–1.2 38.89N–.03 25.96E–.06 7–9 ¶14369960
ATH III 14 20 03 33.3 38.87N 26.12E 32–2 3.0
CSEM III 14 20 03 33.9–.31 38.90N 25.95E 10 3.0
DDA III 14 20 03 34.2 38.93N 26.06E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=15.6.
ATH Error ellipse: s-maj=1.1km s-min=4.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=6.3km az=112.0.
DDA Event type ke.
ISC III 15 04 34 54.4–1.1 39.09N–.02 24.53E–.01 3–9 3.4b 360 1-42
ISK III 15 04 34 54.8 39.00N 24.70E 4 3.2 ¶12703324
THE III 15 04 34 54.9 39.07N 24.55E 2–1 3.9L
ATH III 15 04 34 54.8 39.08N 24.52E 26–1 3.9L
ISCJB III 15 04 34 54.6–.61 39.10N–.01 24.52E–.02 9–4 3.4b
CSEM III 15 04 34 55.3–.07 39.08N 24.52E 10 3.9L
IDC III 15 04 34 55.4–1.1 39.14N 24.59E 0 3.5,3.4b
BEO III 15 04 35 15.9 40.48N 23.61E 0 3.5,3.4b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=241.0.
ATH Error ellipse: s-maj=1.0km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=150.4.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=149.0.
IDC Error ellipse: s-maj=21.2km s-min=17.6km az=116.0.
BEO Event type ke.
ISC III 15 04 35 45.6–.00 39.09N–.02 24.51E–.02 10–7 3.7b 184 0-76
SKO III 15 04 35 38.1 38.20N 24.02E 0 3.7b ¶12703325
ATH III 15 04 35 44.8 39.09N 24.54E 26–1 4.0L
ISCJB III 15 04 35 44.4–.71 39.10N–.02 24.55E–.02 8–5 3.7s,3.6b
CSEM III 15 04 35 45.0–.15 39.06N 24.53E 10 4.3L,3.6b
THE III 15 04 35 46.1 39.08N 24.52E 16–2 4.3L,3.6b
IDC III 15 04 35 50.5–3.1 39.31N 24.55E 33–24 3.7,3.6
ISK III 15 04 35 56.3 39.22N 25.13E 5 3.6L,3.6
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=32.1.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=114.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=276.0.
IDC Error ellipse: s-maj=19.9km s-min=13.5km az=164.0.
ISC III 15 05 01 10.4–1.5 38.81N–.03 26.83E–.04 13–12 42 0-2
ISK III 15 05 01 10.8 38.80N 26.86E 22 2.7 ¶13436324
DDA III 15 05 01 10.6 38.83N 26.83E 6 2.8
ISCJB III 15 05 01 11.4–.67 38.79N–.04 26.81E–.05 27–6 2.8
CSEM III 15 05 01 11.2–.35 38.80N 26.81E 20 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.7km az=145.3.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.6km az=67.0.
ISC III 15 06 53 25.9–.96 38.81N–.02 26.80E–.02 15–8 141 0-4
DDA III 15 06 53 25.1 38.85N 26.85E 7 3.1 ¶13436332
ISK III 15 06 53 25.2 38.85N 26.82E 9 3.3
ISCJB III 15 06 53 25.7–.49 38.84N–.02 26.82E–.03 11–4 3.3

ATH	III	15 06 53 25.6	38.79N	26.76E	27–3	3.5		
THE	III	15 06 53 26.7	38.82N	26.75E	6–2	3.2L		
CSEM	III	15 06 53 26.1–.11	38.82N	26.80E	12	3.1		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=144.9.							
ATH	Error ellipse: s-maj=2.1km s-min=5.7km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=268.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=55.0.							
ISC	**III**	**15 10 06 08.7–2.9**	**38.42N–.10**	**26.0E–.10**	**15–13**		**24**	**1-2**
DDA	III	15 10 06 07.7	38.38N	25.97E	7	2.8		¶13436353
CSEM	III	15 10 06 08.8–.56	38.35N	25.94E	2	2.9		
ISK	III	15 10 06 11.8	38.62N	26.23E	5	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=13.6km s-min=5.3km az=36.0.							
ISC	**III**	**15 11 43 24.9–.87**	**38.28N–.02**	**26.00E–.02**	**13–5**		**75**	**0-3**
ATH	III	15 11 43 24.8	38.22N	26.10E	5–0	3.1		¶13436362
ISK	III	15 11 43 25.7	38.29N	26.10E	5	2.9		
THE	III	15 11 43 25.4	38.28N	25.98E	10–2	2.6L		
CSEM	III	15 11 43 25.4–.24	38.25N	25.97E	2	2.6L		
DDA	III	15 11 43 26.7	38.29N	26.15E	5	2.8		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.2km s-min=1.0km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=3.8km s-min=0.8km az=84.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=119.0.							
DDA	Event type ke.							
ISC	**III**	**15 15 41 57.4–1.2**	**38.43N–.02**	**26.39E–.02**	**15–10**		**63**	**0-2**
ISK	III	15 15 41 56.2	38.36N	26.34E	20	2.8		¶13436368
ATH	III	15 15 41 57.3	38.45N	26.31E	30–3	3.2		
ISCJB	III	15 15 41 57.8–.51	38.44N–.03	26.38E–.03	13–4	3.2		
CSEM	III	15 15 41 57.5–.19	38.43N	26.38E	15	2.9		
THE	III	15 15 41 58.8	38.48N	26.39E	6–22	2.4L		
DDA	III	15 15 41 58.3	38.46N	26.44E	7	2.9		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=3.3km s-min=9.1km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=21.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=45.0.							
THE	Event type ke. Error ellipse: s-maj=22.9km s-min=0.8km az=188.0.							
DDA	Event type ke.							
ISC	**III**	**15 19 30 42.3–.92**	**38.83N–.02**	**26.82E–.02**	**14–8**		**98**	**0-2**
ISK	III	15 19 30 41.8	38.85N	26.85E	5	2.9		¶13436379
DDA	III	15 19 30 41.5	38.84N	26.85E	27	3.1		
ATH	III	15 19 30 42.2	38.82N	26.82E	19–2	3.3		
ISCJB	III	15 19 30 42.1–.42	38.83N–.02	26.84E–.03	6–4	3.3		
CSEM	III	15 19 30 42.5–.13	38.84N	26.83E	10	3.1		
THE	III	15 19 30 43.4	38.82N	26.73E	4–21	2.2L		
ISC	Event type ke.							
DDA	Event type ke.							
ATH	Error ellipse: s-maj=1.6km s-min=4.7km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=136.1.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=59.0.							
THE	Event type ke. Error ellipse: s-maj=21.6km s-min=0.7km az=90.0.							
ISC	**III**	**17 13 11 31.7–.97**	**40.35N–.02**	**25.77E–.02**	**13–9**		**80**	**0-2**
ISCJB	III	17 13 11 31.5–.48	40.35N–.02	25.77E–.03	8–4			¶13436538
ISK	III	17 13 11 31.5	40.34N	25.80E	7	2.9		
CSEM	III	17 13 11 31.6–.13	40.35N	25.75E	10	2.9		
THE	III	17 13 11 32.0	40.35N	25.78E	12–0	2.5L		
DDA	III	17 13 11 33.4	40.31N	25.95E	7	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=3.4km az=145.7.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=166.0.							
THE	Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=56.0.							
DDA	Event type ke.							
ISC	**III**	**18 02 54 31.6–1.4**	**38.62N–.03**	**26.56E–.05**	**8–12**		**44**	**0-2**
ISK	III	18 02 54 31.8	38.62N	26.61E	8	2.9		¶13436609
ISCJB	III	18 02 54 32.5–.70	38.63N–.03	26.62E–.05	8–6	2.9		
DDA	III	18 02 54 32.1	38.65N	26.62E	7	2.8		
CSEM	III	18 02 54 32.1–.20	38.61N	26.57E	8	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.9km s-min=5.2km az=167.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=2.1km az=56.0.							
ISC	**III**	**18 14 18 32.6–.97**	**38.84N–.02**	**26.80E–.03**	**11–9**		**62**	**0-3**
ISK	III	18 14 18 31.6	38.85N	26.80E	7	3.0		¶13436663
ISCJB	III	18 14 18 32.3–.48	38.84N–.02	26.81E–.04	7–5	3.0		
DDA	III	18 14 18 32.4	38.84N	26.82E	7	2.8		
CSEM	III	18 14 18 32.6–.13	38.84N	26.80E	10	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=3.6km az=155.4.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=79.0.							
ISC	**III**	**19 16 04 43.1–.91**	**39.74N–.01**	**23.77E–.02**	**11–7**		**254**	**0-6**
SOF	III	19 16 04 39.1	39.69N	23.80E	1	2.8		¶14190517
ISCJB	III	19 16 04 41.6–.35	39.74N–.01	23.86E–.02	9–3	2.8		
THE	III	19 16 04 42.8	39.74N	23.84E	11–0	3.6L		
ATH	III	19 16 04 42.0	39.74N	23.81E	27–1	3.2L		
CSEM	III	19 16 04 42.4–.10	39.73N	23.81E	10	3.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=18.5.							
THE	Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=96.0.							
ATH	Error ellipse: s-maj=0.7km s-min=1.0km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=105.0.							
ISC	**III**	**20 02 43 51.5–.95**	**38.94N–.02**	**26.44E–.03**	**11–9**		**86**	**0-3**
ISK	III	20 02 43 50.5	38.93N	26.42E	8	3.1		¶13436785
DDA	III	20 02 43 50.6	38.97N	26.45E	7	3.2L		
THE	III	20 02 43 51.3	38.94N	26.41E	0–1	2.2L		
CSEM	III	20 02 43 51.4–.12	38.94N	26.44E	8	2.2L		
ISCJB	III	20 02 43 51.1–.41	38.94N–.02	26.44E–.04	6–4	2.2L		
ISC	Event type ke.							
DDA	Event type ke.							
THE	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**III**	**20 17 59 46.0–1.1**	**40.39N–.01**	**25.71E–.02**	**4–8**	**3.4b**	**300**	**0-73**
SOF	III	20 17 59 43.0	40.33N	25.72E	2	3.7		¶12703843
ISCJB	III	20 17 59 44.5–.44	40.40N–.01	25.69E–.02	2–3	3.2b		
ATH	III	20 17 59 45.2	40.39N	25.76E	25–1	3.7		
DDA	III	20 17 59 45.8	40.37N	25.78E	22	3.6		
CSEM	III	20 17 59 45.2–.07	40.39N	25.68E	2	3.7L		
ISK	III	20 17 59 45.3	40.38N	25.75E	6	3.7L		
THE	III	20 17 59 46.2	40.39N	25.74E	10–1	3.9L		
IDC	III	20 17 59 50.8–3.0	40.45N	25.77E	35–25	3.4,3.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=35.1.							
ATH	Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=31.0.							
THE	Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=74.0.							
IDC	Error ellipse: s-maj=21.7km s-min=15.7km az=49.0.							
ISC	**III**	**20 19 08 34.0–.99**	**40.38N–.02**	**25.72E–.02**	**10–9**		**148**	**0-4**
ISK	III	20 19 08 33.6	40.38N	25.76E	7	3.1		¶13436857
ATH	III	20 19 08 33.5	40.40N	25.72E	28–0	3.4		
ISCJB	III	20 19 08 33.2–.46	40.39N–.02	25.71E–.02	4–4	3.4		
SOF	III	20 19 08 33.6	40.41N	25.51E	5	2.8		
DDA	III	20 19 08 34.3	40.38N	25.85E	7	3.2		
CSEM	III	20 19 08 34.0–.10	40.38N	25.71E	10	3.1		
THE	III	20 19 08 34.2	40.39N	25.74E	7–1	2.8L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=38.9.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=23.0.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=45.0.							
ISC	**III**	**20 20 03 22.7–1.1**	**40.37N–.02**	**25.74E–.02**	**7–9**		**170**	**0-6**
ATH	III	20 20 03 22.7	40.41N	25.74E	28–0	3.4		¶13436861
CSEM	III	20 20 03 23.0–.09	40.38N	25.68E	5	3.4		
ISK	III	20 20 03 23.4	40.37N	25.80E	5	3.4		
THE	III	20 20 03 23.3	40.37N	25.75E	6–1	3.1L		
SOF	III	20 20 03 25.1	40.45N	25.50E	18	3.1		
DDA	III	20 20 03 25.9	40.32N	26.04E	7	3.0		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=34.0.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=89.0.							
DDA	Event type ke.							
ISC	**III**	**21 05 01 49.9–1.0**	**40.39N–.02**	**25.77E–.02**	**10–9**		**96**	**0-2**
ISK	III	21 05 01 48.9	40.38N	25.73E	4	2.8		¶13436886
ISCJB	III	21 05 01 49.4–.46	40.39N–.02	25.74E–.03	5–4	2.8		
ATH	III	21 05 01 49.7	40.37N	25.79E	20–1	3.2		
THE	III	21 05 01 49.8	40.38N	25.74E	1–2	2.4L		
CSEM	III	21 05 01 49.7–.12	40.38N	25.74E	5	2.8		
DDA	III	21 05 01 50.8	40.33N	25.87E	7	2.9		
SOF	III	21 05 01 53.5	40.63N	25.89E	20	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=145.4.							
ATH	Error ellipse: s-maj=0.7km s-min=1.4km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=92.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=59.0.							
DDA	Event type ke.							
ISC	**III**	**21 08 34 22.9–1.1**	**40.59N–.03**	**24.09E–.03**	**8–13**		**42**	**1-2**
ISCJB	III	21 08 34 22.7–.62	40.61N–.03	24.06E–.04	3–6			¶14190547
THE	III	21 08 34 22.9	40.59N	24.08E	3–34	2.0L		
ATH	III	21 08 34 23.1	40.63N	24.10E	10–0	2.7		
CSEM	III	21 08 34 23.0–.27	40.63N	24.09E	2	2.0L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=41.3.							
THE	Event type ke. Error ellipse: s-maj=34.6km s-min=0.7km az=69.0.							
ATH	Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=6.5km s-min=4.2km az=134.0.							
ISC	**III**	**22 04 59 00.9–1.2**	**38.15N–.03**	**26.71E–.04**	**6–12**		**38**	**0-2**
DDA	III	22 04 59 00.9	38.19N	26.73E	7	2.8		¶13436987
CSEM	III	22 04 59 01.1–.33	38.15N	26.69E	2	2.8		
ISK	III	22 04 59 03.0	38.11N	26.91E	9	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=7.0km s-min=4.0km az=78.0.							
ISC	**III**	**22 05 02 17.3–1.1**	**38.18N–.02**	**26.73E–.03**	**5–10**		**51**	**0-2**
DDA	III	22 05 02 16.7	38.18N	26.73E	7	3.0		¶13436988
ISK	III	22 05 02 17.2	38.14N	26.82E	5	3.1		
CSEM	III	22 05 02 17.4–.32	38.14N	26.72E	2	3.0		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=77.0.							
ISC	**III**	**22 06 02 35.4–1.8**	**40.43N–.04**	**25.77E–.07**	**7–14**		**38**	**0-2**
ISCJB	III	22 06 02 35.3–1.4	40.41N–.04	25.70E–.09	9–6			¶13436993
ISK	III	22 06 02 35.9	40.40N	25.77E	16	2.7		
CSEM	III	22 06 02 36.2–.40	40.45N	25.73E	15	2.7		
DDA	III	22 06 02 37.4	40.36N	25.90E	7	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.3km s-min=6.2km az=2.2.							
CSEM	Event type ke. Error ellipse: s-maj=7.9km s-min=5.0km az=86.0.							
DDA	Event type ke.							
ISC	**III**	**22 11 55 16.2–1.6**	**40.34N–.08**	**25.75E–.07**	**10**		**10**	**1-2**
ISCJB	III	22 11 55 17.0–1.3	40.44N–.06	25.71E–.07	10			¶14547667
SOF	III	22 11 55 17.4	40.43N	25.73E	10	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.5km s-min=5.2km az=32.8.							
ISC	**III**	**23 13 59 26.3–1.1**	**38.11N–.03**	**26.57E–.04**	**12–9**		**38**	**0-2**
CSEM	III	23 13 59 25.6–.19	38.11N	26.51E	5	2.8		¶13437111
ISCJB	III	23 13 59 26.1–.99	38.12N–.04	26.56E–.06	8–7	2.8		
ISK	III	23 13 59 26.1	38.13N	26.62E	8	2.8		
DDA	III	23 13 59 26.7	38.12N	26.61E	7	2.9		
ATH	III	23 13 59 27.8	38.18N	25.90E	10	3.1		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=72.0.							
ISCJB	Event type ke. Error ellipse: s-maj=8.9km s-min=5.4km az=152.1.							
DDA	Event type ke.							
ISC	**III**	**23 16 33 40.2–.98**	**40.39N–.01**	**25.71E–.02**	**13–8**		**196**	**0-9**
SKO	III	23 16 33 24.9	40.48N	27.30E	0			¶13437117
DDA	III	23 16 33 40.6	40.37N	25.78E	25	3.4		
ATH	III	23 16 33 40.5	40.37N	25.80E	21–1	3.3		
THE	III	23 16 33 40.5	40.37N	25.76E	0–2	3.2L		
ISK	III	23 16 33 40.0	40.39N	25.79E	5	3.3		
CSEM	III	23 16 33 40.5–.11	40.38N	25.70E	2	3.3		
SOF	III	23 16 33 42.3	40.50N	25.35E	2	3.1		
ISC	Event type ke.							
DDA	Event type ke.							
ATH	Error ellipse: s-maj=0.5km s-min=0.9km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=96.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=32.0.							
ISC	**III**	**24 04 56 07.1–1.0**	**40.34N–.02**	**25.80E–.02**	**10–9**		**92**	**0-3**
ISK	III	24 04 56 06.6	40.32N	25.83E	2	3.1		¶13437154
ISCJB	III	24 04 56 07.2–.47	40.33N–.02	25.80E–.03	7–4	3.1		
THE	III	24 04 56 07.5	40.34N	25.83E	13–1	2.3L		
DDA	III	24 04 56 07.2	40.32N	25.90E	4	2.9		
CSEM	III	24 04 56 07.2–.17	40.32N	25.79E	5	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=167.0.							
THE	Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=45.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=77.0.							
ISC	**III**	**26 10 50 34.5–1.4**	**38.84N–.02**	**26.98E–.03**	**12–12**		**51**	**0-2**
DDA	III	26 10 50 33.9	38.89N	26.98E	7	2.8		¶13437366
ISCJB	III	26 10 50 34.8–.63	38.85N–.03	26.98E–.04	9–6	2.8		
ISK	III	26 10 50 34.5	38.85N	26.98E	7	2.7		
CSEM	III	26 10 50 35.1–.18	38.83N	26.98E	15	2.7		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=40.2.							
CSEM	Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=106.0.							
ISC	**III**	**30 22 22 38.5–1.0**	**38.86N–.02**	**26.13E–.02**	**9–8**	**3.3b**	**323**	**0-74**
IDC	III	30 22 22 35.9–1.5	38.73N	25.98E	0	3.4,3.3L		¶12635988
ATH	III	30 22 22 37.5	38.85N	26.19E	23–0	3.7,3.2L		
ISCJB	III	30 22 22 37.9–.40	38.87N–.01	26.13E–.02	11–3	3.2b,3.2L		
DDA	III	30 22 22 37.9	38.88N	26.15E	26	3.9L,3.8		
ISK	III	30 22 22 37.6	38.84N	26.09E	14	3.7L,3.8		
CSEM	III	30 22 22 38.8–.06	38.86N	26.13E	10	3.7L,3.8		
THE	III	30 22 22 38.9	38.87N	26.14E	10–0	3.7L,3.8		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=24.0km s-min=21.3km az=126.0.							
ATH	Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=179.1.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=86.0.							
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=96.0.							
ISC	**III**	**31 07 44 53.2–1.1**	**39.48N–.03**	**23.68E–.03**	**20–3**		**32**	**0-1**
ISCJB	III	31 07 44 52.7–.83	39.50N–.04	23.69E–.05	11–5			¶14190720
CSEM	III	31 07 44 52.9–.24	39.49N	23.70E	15	1.7L		
THE	III	31 07 44 53.3	39.48N	23.66E	15–0	1.7L		
ATH	III	31 07 44 53.4	39.47N	23.68E	16–8	2.9		
ISC	Event type ke.							

ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.6km az=149.6.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=94.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=310.0.
ATH Error ellipse: s-maj=1.6km s-min=1.4km az=-1.0.

ISC	**III**	**31 08 40 52.8–.91**	**38.89N–.02**	**26.98E–.02**	**15–10**		**84**	**0-2**
ISK	III	31 08 40 51.9	38.90N	26.95E	13	3.0		**¶13437696**
ISCJB	III	31 08 40 52.5–.40	38.90N–.02	26.98E–.02	7–4	3.0		
DDA	III	31 08 40 52.3	38.89N	27.00E	7	2.9		
CSEM	III	31 08 40 52.7–.10	38.90N	26.98E	10	2.9		
THE	III	31 08 40 54.2	38.87N	26.86E	3–16	2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=31.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=44.0.
THE Event type ke. Error ellipse: s-maj=16.4km s-min=0.7km az=85.0.

ISC	**III**	**31 10 00 09.1–1.5**	**39.03N–.03**	**25.56E–.06**	**5–14**		**22**	**0-1**
ISCJB	III	31 10 00 08.5–1.4	39.03N–.04	25.53E–.08	10–8			**¶15134771**
DDA	III	31 10 00 08.4	39.05N	25.60E	7	2.9		
CSEM	III	31 10 00 08.6–.34	39.01N	25.52E	2	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.6km az=174.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.5km az=66.0.

ISC	**IV**	**01 02 43 36.3–1.3**	**38.89N–.02**	**26.98E–.03**	**14–11**		**35**	**0-2**
ISK	IV	01 02 43 35.6	38.90N	26.97E	6	2.8		**¶13567814**
DDA	IV	01 02 43 36.3	38.93N	27.00E	7	3.0		
CSEM	IV	01 02 43 36.6–.12	38.88N	26.98E	12	3.0		
ISCJB	IV	01 02 43 36.4–.53	38.89N–.03	26.99E–.05	6–7	3.0		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**IV**	**01 05 48 35.0–.86**	**39.35N–.02**	**23.61E–.02**	**12–6**		**79**	**0-2**
ATH	IV	01 05 48 34.7	39.35N	23.60E	5	3.2		**¶14190740**
CSEM	IV	01 05 48 34.6–.17	39.36N	23.64E	10	2.4L		
THE	IV	01 05 48 35.5	39.33N	23.63E	6–1	2.4L		
ISCJB	IV	01 05 48 35.1–.46	39.34N–.02	23.62E–.03	7–4	2.4L		

ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.

DDA	**IV**	**04 05 34 27.7**	**38.23N**	**26.63E**	**6**	**2.5**		**¶15134869**

DDA Event type ke.

ISC	**IV**	**05 04 53 45.4–1.0**	**40.38N–.02**	**25.74E–.03**	**14–9**		**44**	**1-3**
CSEM	IV	05 04 53 45.6–.13	40.40N	25.74E	15	2.2L		**¶14190803**
THE	IV	05 04 53 45.7	40.39N	25.74E	10–1	2.2L		
ISCJB	IV	05 04 53 45.0–.66	40.40N–.02	25.75E–.04	6–6	2.2L		
DDA	IV	05 04 53 46.2	40.34N	25.87E	7	2.7		
SOF	IV	05 04 53 46.0	40.44N	25.51E	11	2.7		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=66.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=151.8.
DDA Event type ke.

ISC	**IV**	**05 09 20 32.9–2.0**	**38.21N–.08**	**26.01E–.09**	**10–14**		**20**	**0-2**
CSEM	IV	05 09 20 32.7–.42	38.22N	26.00E	8	2.6		**¶13567912**
DDA	IV	05 09 20 32.6	38.21N	25.99E	6	2.9		
ISCJB	IV	05 09 20 32.8–1.3	38.17N–.09	26.1E–.10	9–15	2.9		
ISK	IV	05 09 20 34.5	37.83N	26.48E	5	2.6		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=3.7km az=133.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=5.6km az=44.4.

ISC	**IV**	**05 10 12 08.5–1.2**	**38.95N–.04**	**25.99E–.04**	**9–12**		**52**	**0-3**
DDA	IV	05 10 12 07.1	39.01N	25.86E	7	3.2		**¶13567916**
THE	IV	05 10 12 08.9	38.93N	26.01E	2–1	2.7L		
ISCJB	IV	05 10 12 09.0–.60	38.94N–.03	26.02E–.06	7–5	2.7L		
CSEM	IV	05 10 12 09.0–.19	38.95N	25.97E	10	2.7L		
ISK	IV	05 10 12 09.4	39.00N	26.03E	12	3.1		

ISC Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.4km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.1km az=165.2.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.6km az=73.0.

ISC	**IV**	**05 14 23 45.7–.86**	**39.54N–.01**	**23.44E–.02**	**14–6**		**239**	**0-33**
IDC	IV	05 14 23 43.9–1.8	39.20N	23.70E	0	3.2,3.2L		**¶12840160**
ATH	IV	05 14 23 44.9	39.53N	23.45E	27–0	3.4,3.4L		
ISCJB	IV	05 14 23 45.0–.40	39.54N–.01	23.44E–.02	12–3	3.0b,3.4L		
THE	IV	05 14 23 45.5	39.55N	23.46E	10–0	3.6L,3.4L		
CSEM	IV	05 14 23 45.4–.10	39.54N	23.45E	15	3.6L,3.4L		
SKO	IV	05 14 23 47.7	39.65N	23.38E	22	3.1L,2.7		

ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=21.9km az=124.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=18.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=126.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=104.0.

ISC	**IV**	**06 00 02 17.8–1.7**	**39.29N–.04**	**26.0E–.10**	**15–11**		**24**	**1-2**
CSEM	IV	06 00 02 17.3–.50	39.27N	25.97E	2	2.6		**¶13567932**
ISCJB	IV	06 00 02 17.3–1.8	39.27N–.05	26.0E–.10	4–14	2.6		
ISK	IV	06 00 02 19.0	39.35N	26.02E	13	2.6		
DDA	IV	06 00 02 22.3	39.10N	26.55E	28	3.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.3km s-min=5.3km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=8.1km az=3.9.
DDA Event type ke.

ISC	**IV**	**06 00 47 16.8–.91**	**39.55N–.02**	**23.42E–.02**	**11–8**		**84**	**0-3**
CSEM	IV	06 00 47 16.8–.11	39.55N	23.39E	8	2.7L		**¶14190824**
ATH	IV	06 00 47 16.6	39.54N	23.43E	19–4	2.9		
ISCJB	IV	06 00 47 16.7–.47	39.56N–.02	23.39E–.04	8–4	2.9		
THE	IV	06 00 47 17.2	39.55N	23.40E	5–1	2.7L		
SKO	IV	06 00 47 18.4	41.53N	23.67E	0	2.7L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.9km az=105.0.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=15.2.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=95.0.

ISC	**IV**	**06 05 18 43.1–.94**	**38.89N–.02**	**26.06E–.04**	**15–9**		**64**	**0-3**
DDA	IV	06 05 18 42.7	38.94N	26.17E	5	3.0		**¶13567936**
THE	IV	06 05 18 43.6	38.89N	25.98E	7–1	2.4L		
ISCJB	IV	06 05 18 43.5–.58	38.89N–.02	26.06E–.05	3–5	2.4L		
CSEM	IV	06 05 18 44.0–.42	38.87N	26.09E	2	2.4L		
ISK	IV	06 05 18 46.0	38.94N	26.30E	5	2.9		

ISC Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=162.4.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.7km az=69.0.

ISC	**IV**	**07 00 04 27.0–.91**	**39.54N–.02**	**23.45E–.02**	**11–8**		**68**	**0-1**
CSEM	IV	07 00 04 26.9–.12	39.53N	23.43E	15	1.7L		**¶14190835**
THE	IV	07 00 04 27.0	39.54N	23.43E	10–1	1.7L		
ISCJB	IV	07 00 04 27.0–.42	39.54N–.02	23.45E–.04	10–4	1.7L		
ATH	IV	07 00 04 28.5	39.58N	23.55E	3–2	3.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=93.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=8.0.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.

ISC	**IV**	**07 20 21 39.0–1.2**	**38.36N–.03**	**26.41E–.04**	**10–7**		**56**	**0-2**
ISK	IV	07 20 21 38.5	38.35N	26.42E	9	2.9		**¶13567994**
ISCJB	IV	07 20 21 38.8–.96	38.35N–.03	26.40E–.05	7–5	2.9		
CSEM	IV	07 20 21 38.7–.15	38.34N	26.40E	5	3.1		
DDA	IV	07 20 21 39.7	38.36N	26.51E	14	3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.2km az=163.5.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=72.0.
DDA Event type ke.

ISC	**IV**	**08 12 42 52.1–.94**	**38.82N–.02**	**25.84E–.02**	**14–8**		**92**	**0-3**
ISK	IV	08 12 42 50.3	38.83N	25.82E	5	3.1		**¶13568009**
ATH	IV	08 12 42 50.8	38.82N	26.16E	60–7	3.1		
DDA	IV	08 12 42 52.0	38.84N	25.87E	28	2.8		
ISCJB	IV	08 12 42 51.5–.56	38.82N–.02	25.81E–.03	5–4	2.8		
CSEM	IV	08 12 42 51.9–.13	38.82N	25.80E	8	2.7L		
THE	IV	08 12 42 52.3	38.83N	25.89E	12–1	2.7L		

ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=2.4km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=158.8.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=65.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=89.0.

ISC	**IV**	**08 13 28 17.2–.90**	**39.54N–.02**	**23.44E–.02**	**12–7**		**94**	**0-2**
ISCJB	IV	08 13 28 17.0–.46	39.53N–.02	23.47E–.03	10–4			**¶14190869**
ATH	IV	08 13 28 16.4	39.53N	23.46E	23–0	3.1		
CSEM	IV	08 13 28 17.1–.10	39.53N	23.45E	12	2.1L		
THE	IV	08 13 28 17.5	39.55N	23.43E	2–3	2.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=18.4.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=105.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.4km az=205.0.

ISC	**IV**	**08 14 14 58.1–1.0**	**40.17N–.03**	**24.04E–.03**	**9–10**		**44**	**0-2**
ATH	IV	08 14 14 58.7	40.16N	23.80E	42–3	2.8		**¶14190870**
ISCJB	IV	08 14 14 58.2–.74	40.18N–.03	24.01E–.05	7–5	2.8		
THE	IV	08 14 14 58.0	40.17N	24.02E	9–3	1.7L		
CSEM	IV	08 14 14 58.1–.16	40.18N	24.03E	2	1.7L		

ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.2km az=13.4.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.6km az=324.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=102.0.

ISC	**IV**	**09 22 25 21.1–1.0**	**38.83N–.03**	**25.83E–.05**	**15–10**		**22**	**0-2**
ISCJB	IV	09 22 25 21.1–.80	38.82N–.03	25.84E–.07	10–7			**¶14190931**
THE	IV	09 22 25 21.0	38.82N	25.84E	0–2	2.0L		
CSEM	IV	09 22 25 21.2–.20	38.83N	25.84E	10	2.0L		
DDA	IV	09 22 25 26.4	38.82N	26.27E	7	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.6km az=178.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=265.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=79.0.
DDA Event type ke.

ISC	**IV**	**10 15 30 22.6–1.0**	**38.72N–.02**	**26.15E–.02**	**9–9**		**128**	**0-3**
DDA	IV	10 15 30 21.3	38.73N	26.15E	5	3.2		**¶13568054**
ISK	IV	10 15 30 22.4	38.64N	26.09E	3	3.2		
ISCJB	IV	10 15 30 22.9–.48	38.71N–.02	26.10E–.03	5–4	3.2		
ATH	IV	10 15 30 22.3	38.70N	26.23E	27–1	2.9		
THE	IV	10 15 30 23.3	38.73N	26.20E	8–1	3.0L		
CSEM	IV	10 15 30 23.0–.18	38.68N	26.06E	2	2.9		

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=156.8.
ATH Error ellipse: s-maj=1.5km s-min=5.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=30.0.

ISC	**IV**	**12 21 15 34.0–1.1**	**38.52N–.03**	**26.90E–.04**	**8–11**		**26**	**0-2**
DDA	IV	12 21 15 33.6	38.49N	26.91E	7	2.7		**¶13568082**
CSEM	IV	12 21 15 33.9–.22	38.52N	26.91E	2	2.7		
ISCJB	IV	12 21 15 33.7–.82	38.52N–.04	26.92E–.05	0–10	2.7		
ISK	IV	12 21 15 34.5	38.51N	27.02E	4	2.9		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=104.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=6.0km az=145.4.

ISC	**IV**	**14 14 47 19.0–2.6**	**39.88N–.08**	**25.6E–.10**	**11–13**		**36**	**0-3**
DDA	IV	14 14 47 20.4	39.94N	25.76E	7	2.7		**¶13568111**
ISK	IV	14 14 47 21.7	40.02N	25.64E	10	2.8		
CSEM	IV	14 14 47 22.4–.86	39.97N	25.74E	2	2.8		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.9km s-min=9.8km az=76.0.

ISC	**IV**	**16 01 53 39.0–.99**	**40.00N–.02**	**23.55E–.03**	**7–10**		**35**	**0-1**
CSEM	IV	16 01 53 38.7–.32	40.02N	23.52E	10	1.6L		**¶14191081**
ISCJB	IV	16 01 53 38.5–.67	40.02N–.03	23.53E–.06	7–6	1.6L		
ATH	IV	16 01 53 39.8	40.07N	23.42E	26–1	2.8		
THE	IV	16 01 53 39.6	40.02N	23.60E	2–22	1.6L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=7.2km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.4km az=170.4.
ATH Error ellipse: s-maj=1.0km s-min=2.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=22.4km s-min=0.4km az=271.0.

ISC	**IV**	**16 06 13 16.3–1.0**	**39.15N–.03**	**24.25E–.02**	**12–8**		**82**	**0-2**
CSEM	IV	16 06 13 16.6–.14	39.15N	24.22E	15	2.5L		**¶14191085**
ISCJB	IV	16 06 13 16.3–.76	39.13N–.03	24.23E–.03	12–5	2.5L		
ATH	IV	16 06 13 16.8	39.13N	24.23E	37–2	2.8L		
THE	IV	16 06 13 17.0	39.16N	24.20E	11–1	2.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=136.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=139.8.
ATH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=286.0.

ISC	**IV**	**16 18 53 53.6–1.6**	**40.32N–.04**	**25.77E–.07**	**14–10**		**35**	**1-2**
ISK	IV	16 18 53 52.8	40.33N	25.77E	12	2.7		**¶13568173**
CSEM	IV	16 18 53 53.2–.32	40.34N	25.74E	12	2.7		
ISCJB	IV	16 18 53 53.2–1.3	40.35N–.04	25.76E–.08	10–5	2.7		
DDA	IV	16 18 53 54.7	40.32N	25.95E	7	2.7		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.9km az=5.7.
DDA Event type ke.

ISC	**IV**	**18 01 16 18.8–.81**	**38.39N–.02**	**26.42E–.02**	**17–5**		**71**	**0-2**
ATH	IV	18 01 16 17.1	38.47N	25.58E	16–5	3.1		**¶13568213**
DDA	IV	18 01 16 17.7	38.40N	26.43E	21	2.8		
CSEM	IV	18 01 16 18.6–.29	38.38N	26.39E	10	2.8		
ISCJB	IV	18 01 16 18.9–.49	38.40N–.03	26.43E–.03	13–3	2.8		
ISK	IV	18 01 16 19.2	38.38N	26.53E	5	2.9		
THE	IV	18 01 16 19.8	38.39N	26.34E	20–1	1.9L		

ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.6km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=24.5.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.5km az=275.0.

ISC	**IV**	**18 03 41 54.3–.93**	**40.25N–.01**	**25.30E–.01**	**11–7**		**346**	**0-9**
BEO	IV	18 03 41 35.1–1.0	38.68N	25.35E	0	4.0L		**¶13568220**
ISCJB	IV	18 03 41 52.8–.39	40.27N–.01	25.28E–.02	5–3	4.0L		
DDA	IV	18 03 41 53.7	40.31N	25.37E	27	3.5		
SOF	IV	18 03 41 53.1	40.30N	25.31E	9	3.5		
ISK	IV	18 03 41 53.1	40.24N	25.30E	10	3.6L		
ATH	IV	18 03 41 53.1	40.25N	25.27E	22–1	3.7,2.9L		
CSEM	IV	18 03 41 54.1–.05	40.26N	25.28E	10	3.7,2.9L		
THE	IV	18 03 41 54.6	40.26N	25.31E	10–1	3.5L,2.9L		

ISC Event type ke.

BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=32.3.
DDA Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=177.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=50.0.

ISC	**IV**	**18 07 05 47.1–1.1**	**40.29N–.04**	**25.32E–.03**	**12–10**		**30**	**0-2**
ISCJB	IV	18 07 05 46.9–.69	40.29N–.03	25.33E–.04	2–7			**¶14191155**
THE	IV	18 07 05 47.3	40.27N	25.31E	11–1	2.0L		
CSEM	IV	18 07 05 47.2–.24	40.28N	25.33E	2	2.0L		
DDA	IV	18 07 05 49.0	40.34N	25.58E	7	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=37.7.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.8km az=23.0.
DDA Event type ke.

ISC	**IV**	**18 19 55 44.3–.97**	**38.78N–.02**	**26.86E–.02**	**13–9**		**68**	**0-2**
DDA	IV	18 19 55 44.0	38.79N	26.88E	20	3.0		**¶13568232**
ISK	IV	18 19 55 43.8	38.76N	26.87E	13	2.9		
CSEM	IV	18 19 55 44.8–.07	38.77N	26.89E	15	2.9		
ISCJB	IV	18 19 55 45.1–.41	38.77N–.03	26.90E–.04	16–8	2.9		
THE	IV	18 19 55 47.4	38.80N	26.68E	0–3	2.2L		
ATH	IV	18 19 55 48.2	38.93N	26.73E	30–0	3.0		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=143.5.
THE Event type ke. Error ellipse: s-maj=6.7km s-min=0.5km az=98.0.
ATH Error ellipse: s-maj=1.2km s-min=0.7km az=-1.0.

ISC	**IV**	**18 19 58 20.4–1.0**	**38.77N–.02**	**26.87E–.02**	**14–9**		**122**	**0-4**
DDA	IV	18 19 58 19.6	38.78N	26.89E	22	3.5L		**¶13568233**
ISK	IV	18 19 58 19.7	38.78N	26.89E	12	3.4		
CSEM	IV	18 19 58 20.8–.09	38.77N	26.88E	15	3.4		
ISCJB	IV	18 19 58 20.1–.54	38.79N–.02	26.87E–.03	12–4	3.4		
ATH	IV	18 19 58 21.3	38.72N	26.67E	37–3	3.3		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=153.8.
ATH Error ellipse: s-maj=2.0km s-min=12.6km az=-1.0.

ISC	**IV**	**18 21 23 09.9–1.4**	**40.42N–.03**	**25.97E–.06**	**9–10**		**36**	**0-2**
ISK	IV	18 21 23 09.8	40.40N	25.99E	8	2.8		**¶13568234**
ISCJB	IV	18 21 23 09.7–1.1	40.41N–.03	25.96E–.08	2–7	2.8		
DDA	IV	18 21 23 10.7	40.39N	26.06E	7	2.9		
CSEM	IV	18 21 23 10.1–.25	40.42N	25.96E	8	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.2km az=8.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.7km az=88.0.

ISC	**IV**	**20 10 32 36.8–.92**	**40.37N–.02**	**25.95E–.02**	**13–8**		**211**	**0-6**
ISCJB	IV	20 10 32 35.8–.44	40.39N–.02	25.94E–.02	9–3			**¶13568275**
ISK	IV	20 10 32 35.5	40.37N	25.93E	13	3.7L		
CSEM	IV	20 10 32 36.3–.07	40.37N	25.94E	10	3.4		
SOF	IV	20 10 32 36.5	40.47N	25.87E	12	3.0		
ATH	IV	20 10 32 36.1	40.40N	25.93E	30–0	3.4		
THE	IV	20 10 32 36.8	40.38N	25.95E	11–0	3.1L		
DDA	IV	20 10 32 37.1	40.35N	26.08E	3	3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=142.2.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=21.0.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=81.0.
DDA Event type ke.

ISC	**IV**	**20 19 08 43.6–.96**	**39.53N–.02**	**24.10E–.02**	**13–8**		**74**	**0-2**
ATH	IV	20 19 08 42.9	39.52N	24.11E	27–0	3.3,2.3L		**¶14191210**
ISCJB	IV	20 19 08 43.0–.81	39.54N–.03	24.13E–.03	11–6	3.3,2.3L		
THE	IV	20 19 08 43.5	39.52N	24.11E	8–0	2.0L,2.3L		
CSEM	IV	20 19 08 43.3–.15	39.53N	24.12E	15	3.3,2.3L		

ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=42.1.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=325.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=132.0.

ISC	**IV**	**21 14 22 31.2–1.2**	**38.93N–.02**	**26.31E–.03**	**1–15**		**27**	**0-2**
CSEM	IV	21 14 22 30.9–.10	38.92N	26.30E	2	1.8L		**¶14191228**
DDA	IV	21 14 22 30.3	38.93N	26.25E	7	2.8		
ISCJB	IV	21 14 22 30.7–.62	38.92N–.03	26.28E–.06	7–7	2.8		
THE	IV	21 14 22 31.7	38.97N	26.24E	0–4	1.8L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=91.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.9km az=165.7.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=1.3km az=95.0.

ISC	**IV**	**21 17 45 10.4–1.6**	**38.40N–.03**	**26.35E–.03**	**14–14**		**42**	**0-2**
CSEM	IV	21 17 45 10.6–.16	38.41N	26.34E	12	2.8		**¶13568310**
ISCJB	IV	21 17 45 10.5–1.0	38.41N–.03	26.34E–.06	11–5	2.8		
ISK	IV	21 17 45 10.5	38.39N	26.39E	16	2.9		
DDA	IV	21 17 45 11.2	38.44N	26.42E	17	2.8		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.5km az=11.0.
DDA Event type ke.

ISC	**IV**	**22 08 35 56.4–.96**	**38.22N–.03**	**26.83E–.03**	**9–10**		**32**	**0-2**
CSEM	IV	22 08 35 55.9–.16	38.23N	26.81E	8	2.6		**¶13568321**
DDA	IV	22 08 35 56.0	38.20N	26.82E	7	2.9		
ISCJB	IV	22 08 35 55.9–.69	38.21N–.03	26.84E–.04	2–8	2.9		
ISK	IV	22 08 35 55.5	38.33N	26.80E	18	2.6		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=118.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.4km az=28.7.

ISC	**IV**	**22 18 56 35.4–1.1**	**38.85N–.02**	**26.83E–.03**	**8–10**		**92**	**0-3**
ISK	IV	22 18 56 34.9	38.86N	26.84E	9	3.3		**¶13568328**
CSEM	IV	22 18 56 35.7–.12	38.84N	26.83E	10	3.2		
ISCJB	IV	22 18 56 35.5–.47	38.84N–.02	26.82E–.04	8–4	3.2		
DDA	IV	22 18 56 35.4	38.84N	26.87E	7	3.2		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=162.9.
DDA Event type ke.

THE	**IV**	**24 13 07 50.5**	**38.99N**	**24.16E**	**9–0**	**2.4L**		
CSEM	IV	24 13 07 50.0–.12	39.01N	24.16E	10	3.1		**¶14191278**
ATH	IV	24 13 07 50.0	39.01N	24.17E	25–0	3.1,2.7L		

THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=274.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=98.0.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.

ISC	**IV**	**24 19 31 09.6–.96**	**38.89N–.02**	**26.91E–.02**	**12–8**		**109**	**0-3**
ISK	IV	24 19 31 08.5	38.89N	26.88E	14	3.1		**¶13568377**
DDA	IV	24 19 31 08.8	38.91N	26.92E	7	3.3		
CSEM	IV	24 19 31 09.5–.13	38.90N	26.94E	10	3.3		
ISCJB	IV	24 19 31 09.1–.44	38.89N–.02	26.91E–.03	9–4	3.3		
ATH	IV	24 19 31 09.7	38.86N	26.83E	31–2	3.3		
THE	IV	24 19 31 10.7	38.83N	26.84E	0–2	2.3L		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.8km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=139.2.
ATH Error ellipse: s-maj=1.2km s-min=4.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.6km az=107.0.

ISC	**IV**	**25 06 33 09.8–.91**	**40.39N–.02**	**25.95E–.02**	**13–8**		**90**	**0-3**
ISK	IV	25 06 33 08.3	40.35N	25.92E	9	3.0		**¶13568390**
CSEM	IV	25 06 33 09.6–.11	40.38N	25.96E	10	2.8		
ATH	IV	25 06 33 09.9	40.37N	25.97E	3–2	2.8		
ISCJB	IV	25 06 33 09.4–.39	40.38N–.02	25.95E–.03	7–4	2.8		
DDA	IV	25 06 33 10.2	40.35N	26.05E	9	3.2		
THE	IV	25 06 33 10.3	40.40N	25.93E	11–1	2.2L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=157.0.
ATH Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=158.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=98.0.

ISC	**IV**	**25 21 38 58.2–1.0**	**38.86N–.02**	**26.38E–.03**	**12–9**		**66**	**0-2**
ISK	IV	25 21 38 55.9	38.78N	26.22E	12	2.8		**¶13568401**
DDA	IV	25 21 38 57.5	38.85N	26.39E	7	3.0		
CSEM	IV	25 21 38 58.6–.17	38.84N	26.39E	15	2.2L		
ISCJB	IV	25 21 38 58.4–.41	38.85N–.02	26.40E–.04	11–4	2.2L		
THE	IV	25 21 38 58.0	38.86N	26.51E	6–1	2.2L		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=158.4.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=272.0.

ISC	**IV**	**26 03 57 59.6–1.0**	**38.07N–.02**	**26.90E–.02**	**10–9**		**95**	**0-4**
ATH	IV	26 03 57 56.7	38.07N	27.06E	5–3	3.1		**¶13568414**
ISK	IV	26 03 57 58.6	38.07N	26.86E	6	3.4		
ISCJB	IV	26 03 57 59.3–.52	38.08N–.02	26.88E–.03	4–4	3.4		
DDA	IV	26 03 57 60.0	38.13N	26.91E	10	3.2		
CSEM	IV	26 03 57 59.2–.17	38.06N	26.83E	5	3.2		

ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=150.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=70.0.

ISC	**IV**	**27 01 49 34.8–1.1**	**38.32N–.02**	**25.14E–.02**	**7–10**		**211**	**1-5**
DDA	IV	27 01 49 33.5	38.27N	25.13E	19	3.3		**¶13568432**
ISK	IV	27 01 49 33.6	38.33N	25.07E	12	3.6		
ISCJB	IV	27 01 49 34.2–1.1	38.34N–.02	25.16E–.02	5–9	3.6		
ATH	IV	27 01 49 35.4	38.34N	25.21E	38–2	3.4,3.4L		
CSEM	IV	27 01 49 35.3–.07	38.34N	25.14E	10	3.4,3.4L		
THE	IV	27 01 49 36.5	38.34N	25.19E	19–2	3.5L,3.4L		

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=165.2.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=167.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=82.0.

ISC	**IV**	**28 04 45 39.7–.88**	**39.55N–.01**	**23.44E–.02**	**14–7**		**196**	**0-5**
SOF	IV	28 04 45 34.3	39.51N	23.29E	10	3.3		**¶14191361**
ISCJB	IV	28 04 45 39.7–.44	39.54N–.01	23.47E–.02	12–3	3.3		
CSEM	IV	28 04 45 39.8–.11	39.54N	23.46E	15	3.1L		
ATH	IV	28 04 45 39.3	39.52N	23.46E	25–1	2.9L		
THE	IV	28 04 45 40.3	39.54N	23.41E	12–0	3.1L		
BEO	IV	28 04 46 21.1–.85	42.23N	22.40E	12–9	1.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=23.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=111.0.
ATH Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.4km s-min=0.2km az=115.0.
BEO Event type ke.

ISC	**IV**	**28 04 59 51.3–1.0**	**38.86N–.03**	**26.01E–.03**	**14–9**		**30**	**0-2**
DDA	IV	28 04 59 49.8	38.82N	25.90E	7	2.7		**¶14191363**
ISCJB	IV	28 04 59 51.1–.69	38.85N–.03	26.03E–.06	5–7	2.7		
THE	IV	28 04 59 51.2	38.85N	26.02E	1–1	2.1L		
CSEM	IV	28 04 59 51.3–.25	38.86N	26.01E	10	2.1L		

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.1km az=1.6.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=126.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.8km az=88.0.

ISC	**IV**	**28 06 22 08.6–.91**	**39.53N–.01**	**23.43E–.02**	**10–6**		**202**	**0-7**
BEO	IV	28 06 21 49.3–2.3	37.97N	23.72E	0	3.4L		**¶14191364**
SOF	IV	28 06 22 05.5	39.57N	23.41E	7	3.1		
ATH	IV	28 06 22 07.4	39.54N	23.43E	26–1	3.2L		
ISCJB	IV	28 06 22 07.8–.42	39.54N–.01	23.45E–.03	9–3	3.2L		
THE	IV	28 06 22 08.5	39.55N	23.40E	10–0	3.5L		
CSEM	IV	28 06 22 08.2–.09	39.54N	23.42E	15	3.5L		

ISC Event type ke.
BEO Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=15.2.
THE Event type ke. Error ellipse: s-maj=0.4km s-min=0.2km az=141.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=105.0.

ISC	**IV**	**28 16 31 22.9–1.1**	**39.08N–.03**	**24.26E–.03**	**11–12**		**42**	**0-2**
CSEM	IV	28 16 31 22.8–.19	39.08N	24.26E	5	2.3L		**¶14191384**
THE	IV	28 16 31 23.5	39.08N	24.20E	15–1	2.3L		
ATH	IV	28 16 31 23.1	39.09N	24.27E	4	2.9,2.3L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=104.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=223.0.
ATH Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0.

ISC	**IV**	**28 22 02 38.3–.88**	**39.38N–.02**	**24.06E–.02**	**13–6**	**3.5b,3.0s**	**451**	**0-67**
DDA	IV	28 22 02 33.9	39.46N	23.98E	6	3.3,3.0s		**¶12742562**
SOF	IV	28 22 02 35.1	39.61N	23.62E	0	3.4,3.0s		
IDC	IV	28 22 02 36.6–.97	39.34N	24.04E	0	3.7,3.6		
ATH	IV	28 22 02 37.9	39.41N	24.09E	34–2	4.1,4.0L		
PDG	IV	28 22 02 37.3–.54	39.39N	24.05E	15–0	3.7L,4.0L		
BEO	IV	28 22 02 38.0	39.51N	24.35E	0	3.7L,4.0L		
THE	IV	28 22 02 38.2	39.38N	24.07E	12–0	4.1L,4.0L		
ISCJB	IV	28 22 02 38.2–.27	39.42N–.01	24.06E–.01	23–3	3.5b,3.0s		
CSEM	IV	28 22 02 39.1–.09	39.37N	24.05E	20	4.1L,3.0s		

ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=16.2km s-min=12.9km az=111.0.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.5km az=0.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=250.0.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=9.9.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=97.0.

ISC	**IV**	**29 03 34 08.7–.90**	**39.52N–.02**	**26.00E–.02**	**11–9**		**102**	**0-3**
ISK	IV	29 03 34 07.4	39.54N	26.02E	5	3.3		**¶13568489**
DDA	IV	29 03 34 08.5	39.52N	26.10E	7	3.3		
CSEM	IV	29 03 34 08.6–.17	39.50N	25.98E	10	2.5L		
ATH	IV	29 03 34 08.1	39.51N	26.06E	21–1	3.3		
ISCJB	IV	29 03 34 08.2–.46	39.52N–.02	25.98E–.03	8–3	3.3		
THE	IV	29 03 34 09.1	39.48N	25.98E	13–0	2.5L		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=94.0.
ATH Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=171.8.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=227.0.

ISC	**V**	**01 14 10 24.1–.93**	**38.86N–.02**	**26.29E–.02**	**12–8**		**282**	**0-8**
DDA	V	01 14 10 23.0	38.85N	26.28E	28	3.8L,3.6		**¶13839142**
ISK	V	01 14 10 22.6	38.83N	26.17E	16	3.8,3.7L		
ATH	V	01 14 10 22.8	38.88N	26.31E	26–1	3.6,3.1L		
ISCJB	V	01 14 10 23.1–.38	38.84N–.01	26.22E–.02	12–3	3.6,3.1L		
THE	V	01 14 10 23.7	38.86N	26.30E	3–0	3.3L,3.1L		
CSEM	V	01 14 10 23.6–.09	38.82N	26.24E	10	3.6,3.1L		
SOF	V	01 14 10 25.9	39.21N	26.16E	2	3.3,3.1L		

ISC Event type ke.

DDA Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=1.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=149.5.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=113.0.

ISC	**V**	**01 18 48 12.0–1.2**	**38.91N–.03**	**26.47E–.05**	**8–11**		**26**	**1-2**	
DDA	V	01 18 48 11.5	38.90N	26.47E	7	2.8			**¶13839146**
ISCJB	V	01 18 48 11.9–.84	38.89N–.04	26.44E–.07	7–9	2.8			
CSEM	V	01 18 48 12.3–.28	38.87N	26.42E	15	2.6			
ISK	V	01 18 48 13.2	38.96N	26.51E	12	2.6			

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.0km az=155.3.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=76.0.

ISC	**V**	**03 10 03 23.5–1.4**	**38.09N–.04**	**25.83E–.10**	**13–11**		**20**	**0-1**	
ISCJB	V	03 10 03 23.0–3.0	38.08N–.07	25.8E–.20	7–18				**¶14694931**
ATH	V	03 10 03 23.3	38.09N	25.88E	26–12				
CSEM	V	03 10 03 23.4–.29	38.06N	25.80E	10	2.9			
DDA	V	03 10 03 28.5	38.05N	26.22E	2	2.9			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.4km s-min=6.4km az=20.2.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=4.6km az=116.0.
DDA Event type ke.

ISC	**V**	**03 14 52 59.4–1.8**	**38.94N–.04**	**24.88E–.03**	**18–9**		**40**	**1-2**	
ATH	V	03 14 52 58.5	38.93N	24.73E	45	3.2			**¶14301509**
THE	V	03 14 52 59.2	38.96N	24.86E	13–1	2.4L			
CSEM	V	03 14 52 59.0–.20	38.93N	24.89E	15	2.4L			

ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=317.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=175.0.

ISC	**V**	**03 19 34 49.6–.92**	**40.71N–.02**	**25.70E–.02**	**10–7**		**107**	**0-4**	
ATH	V	03 19 34 48.4	40.73N	25.70E	23–0	3.4			**¶14301510**
SOF	V	03 19 34 48.7	40.70N	25.52E	2	2.6			
ISCJB	V	03 19 34 48.6–.42	40.70N–.02	25.67E–.02	4–3	2.6			
DDA	V	03 19 34 49.4	40.68N	25.77E	6	2.9			
BEO	V	03 19 34 49.4–1.5	40.65N	25.84E	2–5	2.5L			
THE	V	03 19 34 49.5	40.71N	25.71E	9–1	2.3L			
CSEM	V	03 19 34 49.4–.19	40.72N	25.69E	10	3.4			

ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=27.6.
DDA Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=56.0.

ISC	**V**	**06 04 01 35.5–1.6**	**38.06N–.05**	**25.97E–.07**	**16–14**		**22**	**0-2**	
DDA	V	06 04 01 34.1	38.20N	25.69E	7	3.1			**¶14695000**
ATH	V	06 04 01 35.1	38.08N	25.99E	32–2	3.4			
CSEM	V	06 04 01 36.3–.26	38.09N	25.86E	20	3.4			
ISCJB	V	06 04 01 36.2–1.3	38.10N–.04	25.8E–.10	21–12	3.4			

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**V**	**06 07 06 47.0–1.0**	**38.17N–.02**	**24.18E–.02**	**6–10**		**72**	**0-2**	
THE	V	06 07 06 46.8	38.17N	24.18E	2–2	2.7L			**¶14301604**
ATH	V	06 07 06 46.7	38.16N	24.16E	21–1	3.1,2.8L			
CSEM	V	06 07 06 46.5–.20	38.17N	24.20E	2	2.7L,2.8L			
ISCJB	V	06 07 06 46.5–.56	38.17N–.03	24.19E–.04	7–4	2.7L,2.8L			

ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**V**	**07 11 09 28.3–.89**	**38.62N–.03**	**27.00E–.03**	**16–8**		**38**	**0-2**	
DDA	V	07 11 09 28.0	38.61N	27.00E	7	2.9			**¶13839348**
ISK	V	07 11 09 28.8	38.59N	27.06E	12	2.7			
CSEM	V	07 11 09 28.7–.18	38.60N	27.01E	5	2.7			
ISCJB	V	07 11 09 28.5–.54	38.60N–.03	27.00E–.04	12–5	2.7			

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**V**	**07 13 20 14.9–1.0**	**38.39N–.02**	**25.54E–.02**	**24–11**		**84**	**0-3**	
ISK	V	07 13 20 10.5	38.34N	25.32E	5	3.2			**¶13839355**
ATH	V	07 13 20 14.7	38.38N	25.68E	39–2	3.2			
ISCJB	V	07 13 20 15.0–.44	38.40N–.03	25.55E–.03	26–5	3.2			
THE	V	07 13 20 15.4	38.34N	25.62E	32–13	2.8L			
CSEM	V	07 13 20 15.3–.10	38.43N	25.54E	19–0	3.2			
DDA	V	07 13 20 20.1	38.84N	26.27E	7	2.9			

ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=142.9.
THE Event type ke. Error ellipse: s-maj=13.5km s-min=1.5km az=119.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=159.0.
DDA Event type ke.

ISC	**V**	**08 14 21 11.1–1.0**	**38.68N–.02**	**26.62E–.02**	**6–10**		**52**	**0-3**	
DDA	V	08 14 21 10.8	38.69N	26.62E	7	2.9			**¶13839407**
ISK	V	08 14 21 10.6	38.65N	26.64E	8	3.0			
ISCJB	V	08 14 21 10.6–.50	38.70N–.03	26.62E–.03	0–7	3.0			
THE	V	08 14 21 11.8	38.71N	26.52E	3–5	2.1L			
CSEM	V	08 14 21 11.1–.16	38.68N	26.62E	5	2.9			

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=28.8.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=0.8km az=281.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.2km az=61.0.

ISC	**V**	**08 16 39 20.1–2.9**	**39.47N–.10**	**25.9E–.10**	**12–11**		**28**	**0-2**	
CSEM	V	08 16 39 18.6–.43	39.42N	25.81E	8	2.8			**¶13839412**
ISK	V	08 16 39 19.4	39.46N	25.92E	11	2.8			
DDA	V	08 16 39 23.4	39.61N	26.19E	7	2.6			

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=6.9km az=84.0.
DDA Event type ke.

ISC	**V**	**10 16 50 19.5–.99**	**40.29N–.02**	**25.40E–.02**	**13–8**		**111**	**0-3**	
ATH	V	10 16 50 18.7	40.31N	25.45E	30–1	2.9			**¶13839498**
ISK	V	10 16 50 19.4	40.28N	25.45E	11	3.3			
CSEM	V	10 16 50 19.7–.12	40.31N	25.39E	12	2.9			
ISCJB	V	10 16 50 19.1–.53	40.31N–.02	25.41E–.02	6–4	2.9			
THE	V	10 16 50 20.1	40.29N	25.47E	18–0	2.7L			
DDA	V	10 16 50 22.9	40.29N	25.61E	8	3.2			
SOF	V	10 16 50 24.5	40.70N	25.68E	2	2.9			

ISC Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=3.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=155.5.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=196.0.
DDA Event type ke.

DDA	**V**	**11 18 56 06.5**	**38.55N**	**26.49E**	**7**	**2.8**			**¶16555918**

DDA Event type ke.

ISC	**V**	**11 23 48 28.7–.96**	**39.59N–.02**	**23.84E–.04**	**27–9**		**32**	**0-2**	
ATH	V	11 23 48 28.0	39.58N	23.86E	27–1	2.8			**¶14301810**
CSEM	V	11 23 48 28.9–.31	39.59N	23.87E	24–4	2.8			
THE	V	11 23 48 29.3	39.59N	23.91E	2–14	1.3L			
ISCJB	V	11 23 48 29.1–.57	39.59N–.03	23.85E–.06	27–6	1.3L			

ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.

ISC	**V**	**12 00 12 51.1–1.3**	**38.83N–.03**	**26.4E–.10**	**11**		**20**	**0-2**	
DDA	V	12 00 12 51.7	38.84N	26.40E	7	2.8			**¶13839557**
ISCJB	V	12 00 12 52.6–.87	38.83N–.03	26.6E–.10	11	2.8			
CSEM	V	12 00 12 53.2–.51	38.83N	26.64E	15	2.6			
ISK	V	12 00 12 54.4	38.89N	26.89E	20	2.6			

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=4.4km az=173.7.
CSEM Event type ke. Error ellipse: s-maj=21.6km s-min=7.7km az=82.0.

ISC	**V**	**12 19 58 39.2–1.1**	**38.88N–.02**	**26.00E–.05**	**14–9**		**40**	**0-2**	
ISK	V	12 19 58 36.4	39.08N	25.20E	17	3.0			**¶13839611**
THE	V	12 19 58 39.7	38.85N	26.02E	4–18	1.6L			
DDA	V	12 19 58 39.4	38.86N	25.99E	7	2.8			
CSEM	V	12 19 58 39.5–.39	38.87N	25.99E	15	1.6L			
ISCJB	V	12 19 58 39.6–.63	38.87N–.02	26.00E–.08	12–4	1.6L			

ISC Event type ke.
THE Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**V**	**13 00 29 57.3–1.1**	**38.80N–.02**	**26.35E–.03**	**7–10**		**76**	**0-3**	
DDA	V	13 00 29 56.9	38.78N	26.35E	37	2.9			**¶13839617**
CSEM	V	13 00 29 57.8–.33	38.79N	26.29E	2	2.9			
ISCJB	V	13 00 29 57.8–.73	38.78N–.02	26.32E–.04	6–5	2.9			
ISK	V	13 00 29 58.3	38.81N	26.33E	5	3.2			
ATH	V	13 00 29 58.2	38.79N	26.19E	26–2	2.9			

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=5.1km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.4km az=170.1.
ATH Error ellipse: s-maj=1.8km s-min=8.1km az=-1.0.

ISC	**V**	**15 05 20 38.5–1.0**	**40.71N–.02**	**25.21E–.01**	**6–9**		**211**	**0-7**	
SOF	V	15 05 20 36.1	40.67N	25.29E	2	3.0			**¶13839707**
ATH	V	15 05 20 38.1	40.71N	25.22E	24–1	3.5			
ISK	V	15 05 20 38.2	40.64N	25.25E	5	3.3			
CSEM	V	15 05 20 38.5–.10	40.68N	25.16E	2	3.5			
THE	V	15 05 20 38.8	40.73N	25.23E	4–1	3.1L			
DDA	V	15 05 20 39.3	40.56N	25.33E	5	3.4			
BEO	V	15 05 20 42.6–1.6	40.60N	24.87E	12–6	3.4L			

ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=22.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=61.0.
DDA Event type ke.
BEO Event type ke.

ISC	**V**	**15 10 04 21.7–.94**	**38.15N–.02**	**26.79E–.02**	**12–7**		**63**	**0-3**	
ISCJB	V	15 10 04 21.4–.59	38.16N–.02	26.77E–.04	10–4				**¶13839714**
ISK	V	15 10 04 21.6	38.14N	26.88E	5	3.2			
ATH	V	15 10 04 21.8	38.16N	26.80E	38–1	3.1			
DDA	V	15 10 04 21.8	38.20N	26.85E	11	3.3L,3.1			
CSEM	V	15 10 04 21.6–.30	38.11N	26.75E	6–2	3.3L,3.1			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=152.8.
ATH Error ellipse: s-maj=0.7km s-min=1.9km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=62.0.

ISC	**V**	**16 14 25 28.5–1.1**	**40.61N–.04**	**25.56E–.05**	**15–7**		**40**	**0-2**	
ISCJB	V	16 14 25 26.6–1.4	40.65N–.05	25.45E–.08	6–8				**¶13839765**
ATH	V	16 14 25 27.4	40.60N	25.47E	19–4	3.3			
CSEM	V	16 14 25 27.4–.37	40.63N	25.44E	12	3.3			
ISK	V	16 14 25 29.2	40.61N	25.62E	15	3.0			
DDA	V	16 14 25 36.8	40.46N	26.09E	7	2.7			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.3km az=21.4.
ATH Error ellipse: s-maj=6.2km s-min=8.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.8km az=133.0.
DDA Event type ke.

ISC	**V**	**17 00 54 38.2–.92**	**38.82N–.02**	**26.34E–.02**	**14–8**		**116**	**0-4**	
ISCJB	V	17 00 54 37.7–.39	38.82N–.02	26.35E–.03	11–3				**¶13839787**
ISK	V	17 00 54 37.4	38.80N	26.34E	16	3.4			
DDA	V	17 00 54 37.3	38.85N	26.37E	27	3.2			
THE	V	17 00 54 38.1	38.83N	26.34E	4–0	2.2L			
CSEM	V	17 00 54 38.0–.13	38.81N	26.35E	12	2.2L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=156.3.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=95.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=74.0.

ISC	**V**	**17 08 52 40.4–1.1**	**38.67N–.03**	**25.23E–.03**	**27–13**		**34**	**1-2**	
ATH	V	17 08 52 39.5	38.68N	25.20E	38–3	3.0			**¶14302073**
ISCJB	V	17 08 52 40.4–.64	38.67N–.04	25.22E–.04	28–7	3.0			
CSEM	V	17 08 52 40.4–.17	38.67N	25.23E	25–2	2.7L			
THE	V	17 08 52 41.3	38.66N	25.25E	32–38	2.7L			

ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=2.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.5km az=143.1.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=127.0.
THE Event type ke. Error ellipse: s-maj=38.5km s-min=1.1km az=84.0.

ISC	**V**	**17 21 13 22.0–1.3**	**38.89N–.02**	**26.89E–.02**	**8–11**		**109**	**0-3**	
ISK	V	17 21 13 22.1	38.89N	26.88E	11	3.0			**¶13839823**
ISCJB	V	17 21 13 22.6–.44	38.89N–.02	26.89E–.02	11–3	3.0			
DDA	V	17 21 13 22.5	38.90N	26.91E	7	2.9			
CSEM	V	17 21 13 22.8–.10	38.89N	26.91E	8	2.9			
THE	V	17 21 13 23.2	38.86N	26.86E	2–25	2.3L			
ATH	V	17 21 13 24.2	38.91N	26.75E	24–2	3.4			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=137.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=47.0.
THE Event type ke. Error ellipse: s-maj=26.7km s-min=1.0km az=88.0.
ATH Error ellipse: s-maj=1.3km s-min=4.4km az=-1.0.

ISC	**V**	**17 21 34 35.3–1.2**	**38.89N–.03**	**26.79E–.04**	**12–9**		**42**	**1-2**	
ISK	V	17 21 34 34.6	38.89N	26.72E	10	2.8			**¶13839824**
ISCJB	V	17 21 34 35.5–.78	38.92N–.03	26.82E–.06	5–7	2.8			
DDA	V	17 21 34 35.7	38.90N	26.87E	29	3.0			
CSEM	V	17 21 34 35.7–.24	38.91N	26.79E	10	2.8			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.3km az=8.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=96.0.

ISC	**V**	**21 16 36 40.4–1.1**	**38.29N–.03**	**26.35E–.03**	**19–3**		**94**	**0-3**	
ISCJB	V	21 16 36 41.1–.82	38.32N–.03	26.38E–.05	13–4				**¶13839937**
DDA	V	21 16 36 41.5	38.36N	26.45E	24	3.1			
CSEM	V	21 16 36 41.5–.29	38.33N	26.40E	12	3.1			
ISK	V	21 16 36 42.0	38.26N	26.55E	29	3.4			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=152.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=66.0.

ISC	**V**	**22 00 14 49.9–.99**	**38.59N–.02**	**26.66E–.02**	**10–11**		**66**	**0-2**	
ISCJB	V	22 00 14 49.9–.53	38.58N–.02	26.67E–.03	1–5				**¶13839946**
ATH	V	22 00 14 49.7	38.53N	26.43E	54–4	2.9			
DDA	V	22 00 14 49.6	38.60N	26.69E	7	2.8			
ISK	V	22 00 14 50.0	38.59N	26.78E	5	3.0			
CSEM	V	22 00 14 50.3–.19	38.58N	26.67E	2	3.0			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=146.0.
ATH Error ellipse: s-maj=2.5km s-min=7.6km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=57.0.

ISC	**V**	**23 17 23 28.7–.79**	**39.16N–.02**	**25.89E–.02**	**13–5**		**214**	**0-5**	
ATH	V	23 17 23 27.9	39.20N	26.07E	35–4	3.6			**¶13839999**

ISCJB V 23 17 23 28.2–.41 39.17N–.02 25.88E–.02 11–3 3.6
DDA V 23 17 23 28.9 39.18N 25.97E 29 3.7L
CSEM V 23 17 23 28.6–.07 39.16N 25.88E 10 3.0L
THE V 23 17 23 29.0 39.16N 25.90E 11–1 3.0L
ISK V 23 17 23 29.2 39.23N 26.11E 6 3.5L
ISC Event type ke.
ATH Error ellipse: s-maj=2.3km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=154.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=89.0.
ISC V 24 01 31 29.9–.85 39.17N–.02 25.85E–.03 13–5 88 0-3
DDA V 24 01 31 29.0 39.21N 25.85E 7 3.1 **¶13840010**
ISCJB V 24 01 31 29.9–.52 39.19N–.03 25.87E–.04 10–3 3.1
ISK V 24 01 31 29.3 39.18N 25.86E 13 3.3
CSEM V 24 01 31 29.9–.19 39.17N 25.86E 10 2.6L
THE V 24 01 31 30.5 39.16N 25.89E 8–1 2.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.4km az=7.2.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=89.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=80.0.
ISC V 24 03 49 06.7–1.2 39.16N–.02 25.82E–.02 3–10 129 0-4
ISK V 24 03 49 05.7 39.15N 25.75E 5 3.3 **¶13840013**
DDA V 24 03 49 06.0 39.21N 25.85E 7 3.2
ISCJB V 24 03 49 06.4–.92 39.14N–.02 25.82E–.03 3–6 3.2
CSEM V 24 03 49 06.8–.15 39.15N 25.80E 2 3.1
ATH V 24 03 49 07.1 39.16N 25.95E 28–1 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=158.6.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=91.0.
ATH Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC V 24 20 11 18.8–.82 39.15N–.02 25.82E–.02 11–5 148 0-3
ISK V 24 20 11 17.0 39.13N 25.77E 5 3.3 **¶13840026**
DDA V 24 20 11 17.7 39.20N 25.81E 7 3.3
ATH V 24 20 11 18.0 39.19N 25.97E 17–2 3.3
ISCJB V 24 20 11 18.6–.51 39.16N–.02 25.81E–.03 9–3 3.3
CSEM V 24 20 11 18.6–.14 39.16N 25.81E 5 2.8L
THE V 24 20 11 19.1 39.13N 25.87E 5–1 2.8L
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=27.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=84.0.
ISC V 25 21 16 34.7–2.3 38.48N–.05 26.7E–.10 7–18 9 0-2
ISCJB V 25 21 16 34.8–2.0 38.48N–.05 26.7E–.10 6–13 **¶15136865**
DDA V 25 21 16 36 38.52N 26.87E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=8.5km az=5.9.
DDA Event type ke.
ISC V 28 04 25 11.0–.90 39.93N–.02 23.46E–.04 10–8 54 0-1
ATH V 28 04 25 10.1 39.94N 23.57E 24–1 3.0 **¶14302647**
CSEM V 28 04 25 10.7–.15 39.93N 23.45E 8 3.0
ISCJB V 28 04 25 11.0–.40 39.92N–.02 23.52E–.06 21–5 3.0
THE V 28 04 25 11.0 39.93N 23.43E 2–22 1.9L
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=2.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=3.5km az=173.7.
THE Event type ke. Error ellipse: s-maj=22.2km s-min=0.3km az=219.0.
ISC V 29 02 06 53.7–1.9 40.43N–.03 25.95E–.07 10–14 32 0-2
ISCJB V 29 02 06 53.9–1.1 40.41N–.04 25.91E–.08 10–5 **¶13840127**
ISK V 29 02 06 54.1 40.42N 25.97E 17 2.6
CSEM V 29 02 06 54.2–.52 40.42N 25.91E 12 2.6
DDA V 29 02 06 55.3 40.36N 26.05E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.8km az=11.6.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.0km az=75.0.
DDA Event type ke.
ISC V 30 09 13 14.7–1.0 38.51N–.02 26.89E–.02 5–9 82 0-3
DDA V 30 09 13 13.7 38.50N 26.88E 14 3.0 **¶13840156**
ISK V 30 09 13 13.9 38.49N 26.89E 8 3.0
ISCJB V 30 09 13 14.1–.49 38.51N–.02 26.89E–.02 5–4 3.0
CSEM V 30 09 13 14.3–.10 38.50N 26.88E 5 3.0
THE V 30 09 13 15.1 38.54N 26.86E 6–7 2.5L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=25.7.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=54.0.
THE Event type ke. Error ellipse: s-maj=7.8km s-min=1.4km az=270.0.
ISC V 31 02 33 07.3–.94 38.50N–.02 26.49E–.02 17–7 71 0-3
ATH V 31 02 33 05.4 38.44N 26.62E 17 2.9 **¶13840175**
ISK V 31 02 33 07.5 38.49N 26.57E 2 3.0
DDA V 31 02 33 07.3 38.50N 26.47E 18 2.8
CSEM V 31 02 33 08.1–.11 38.48N 26.52E 2 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=7.4km s-min=15.0km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=66.0.
ISC V 31 04 43 31.4–1.2 39.45N–.02 23.72E–.02 3–10 127 0-4
SKO V 31 04 43 31.8 39.36N 23.71E 0 **¶14302803**
ISCJB V 31 04 43 32.8–.49 39.49N–.02 23.71E–.03 8–4
SOF V 31 04 43 32.5 39.61N 23.76E 2 2.8
ATH V 31 04 43 33.0 39.49N 23.65E 27–1 3.1,2.9L
CSEM V 31 04 43 33.0–.13 39.48N 23.71E 10 2.9L,2.9L
THE V 31 04 43 34.1 39.47N 23.67E 12–1 2.9L,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=19.7.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.1km az=104.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=158.0.
ISC V 31 06 48 39.8–.98 40.79N–.02 25.59E–.01 10–8 280 0-9
ISK V 31 06 48 38.6 40.82N 25.50E 4 3.6L **¶13840180**
SKO V 31 06 48 38.2 40.75N 25.70E 6 3.6L
ISCJB V 31 06 48 38.8–.41 40.82N–.01 25.52E–.02 2–3 3.6L
SOF V 31 06 48 38.4 40.81N 25.59E 9 3.5
CSEM V 31 06 48 39.8–.08 40.81N 25.53E 5 3.6L
ATH V 31 06 48 39.0 40.83N 25.61E 28–2 3.6,3.4L
THE V 31 06 48 40.2 40.80N 25.59E 9–1 3.6L,3.4L
DDA V 31 06 48 42.1 40.77N 25.72E 36 3.3,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=32.5.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=31.0.
ATH Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=118.0.
DDA Event type ke.
ISC VI 01 01 07 58.6–1.0 38.87N–.02 26.15E–.03 12–8 65 0-2
DDA VI 01 01 07 58.4 38.88N 26.23E 7 3.1 **¶13840191**
ATH VI 01 01 07 58.5 38.91N 26.00E 21–0 3.1
ISCJB VI 01 01 07 58.5–.77 38.82N–.02 26.09E–.04 15–5 3.1
ISK VI 01 01 07 59.3 38.87N 26.21E 3 2.9
CSEM VI 01 01 07 59.5–.29 38.86N 26.19E 2 1.7L
THE VI 01 01 07 59.5 38.87N 26.20E 9–2 1.7L
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=155.7.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.1km az=67.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=65.0.

ISC VI 01 15 25 03.3–.94 39.93N–.02 25.89E–.02 8–9 93 0-3
ISCJB VI 01 15 25 02.7–.47 39.93N–.02 25.87E–.03 3–4 **¶13840223**
THE VI 01 15 25 03.3 39.92N 25.90E 2–4 2.5L
DDA VI 01 15 25 03.5 39.96N 25.98E 7 3.0
ATH VI 01 15 25 03.3 39.91N 25.90E 5 2.9
ISK VI 01 15 25 03.7 39.95N 25.99E 4 3.0
CSEM VI 01 15 25 03.3–.15 39.93N 25.90E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=179.9.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.6km az=302.0.
DDA Event type ke.
ATH Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=93.0.
ISC VI 02 12 33 27.4–1.2 38.93N–.02 26.47E–.03 3–10 69 0-3
THE VI 02 12 33 25.5 38.94N 26.68E 4–20 2.3L **¶13840252**
DDA VI 02 12 33 27.8 38.89N 26.29E 7 3.0
ISK VI 02 12 33 28.5 38.93N 26.26E 5 2.9
ATH VI 02 12 33 28.8 38.91N 26.36E 10–2 3.0
CSEM VI 02 12 33 28.9–.21 38.92N 26.29E 2 2.3L
ISCJB VI 02 12 33 28.5–.51 38.91N–.02 26.29E–.04 4–4 2.3L
ISC Event type ke.
THE Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VI 05 02 15 48.9–1.1 38.99N–.02 25.82E–.02 5–9 187 0-7
ISK VI 05 02 15 47.6 38.94N 25.73E 5 3.4,3.3L **¶13840325**
ISCJB VI 05 02 15 48.4–.53 38.98N–.02 25.80E–.03 5–3 3.4,3.3L
CSEM VI 05 02 15 48.5–.16 38.95N 25.78E 2 2.8L,3.3L
DDA VI 05 02 15 49.0 39.02N 25.89E 33 3.3,3.3L
THE VI 05 02 15 49.3 39.01N 25.87E 9–1 2.8L,3.3L
ATH VI 05 02 15 49.0 39.02N 25.94E 27–0 3.2,3.3L
SOF VI 05 02 15 55.2 39.62N 25.61E 2 3.1,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=156.2.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=72.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=83.0.
ATH Error ellipse: s-maj=0.4km s-min=1.0km az=-1.0.
ISC VI 05 03 03 08.7–1.0 38.90N–.02 26.96E–.03 16–9 52 0-3
ISCJB VI 05 03 03 08.4–.57 38.92N–.02 26.92E–.04 10–5 **¶13840326**
ISK VI 05 03 03 08.0 38.86N 27.04E 24 2.8
CSEM VI 05 03 03 08.9–.25 38.90N 26.92E 20 2.8
DDA VI 05 03 03 09.1 38.86N 26.94E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=174.6.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.7km az=80.0.
DDA Event type ke.
ISC VI 05 03 50 30.8–.85 39.76N–.02 26.00E–.02 12–6 168 0-7
ISK VI 05 03 50 30.7 39.78N 26.04E 5 3.3 **¶13840330**
DDA VI 05 03 50 30.5 39.78N 26.06E 23 3.3
ISCJB VI 05 03 50 31.0–.40 39.79N–.02 25.98E–.03 11–2 3.3
ATH VI 05 03 50 31.1 39.77N 26.01E 30–0 3.2
THE VI 05 03 50 31.9 39.79N 26.04E 10–1 2.8L
CSEM VI 05 03 50 31.7–.14 39.78N 26.03E 8 3.3
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=163.4.
ATH Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=223.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=84.0.
ISC VI 05 13 12 25.7–.90 39.32N–.02 23.84E–.02 9–6 3.4b 313 0-43
SOF VI 05 13 12 21.5 39.21N 23.95E 9 3.2 **¶13439932**
DDA VI 05 13 12 22.5 39.48N 23.85E 9 3.5
IDC VI 05 13 12 24.6–1.2 39.24N 23.79E 0 3.5,3.4
CSEM VI 05 13 12 25.3–.08 39.31N 23.84E 10 4.0L,3.4
ATH VI 05 13 12 25.0 39.32N 23.86E 27–1 3.7,3.7L
THE VI 05 13 12 25.7 39.30N 23.85E 7–1 4.0L,3.7L
ISCJB VI 05 13 12 25.1–.37 39.32N–.01 23.85E–.02 12–2 3.4b,2.7s
TIR VI 05 13 12 28.1 39.32N 23.64E 39 3.0L,2.7s
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=18.9km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=110.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=257.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=144.0.
ISC VI 06 18 42 52.0–.93 38.37N–.05 26.73E–.04 32–6 37 0-2
CSEM VI 06 18 42 50.9–.34 38.37N 26.59E 12 2.8 **¶13840375**
ISK VI 06 18 42 50.0 38.37N 26.57E 10 2.9
DDA VI 06 18 42 52.9 38.52N 26.84E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=6.6km az=44.0.
DDA Event type ke.
ISC VI 07 21 01 13.0–.95 40.39N–.02 25.77E–.02 13–9 158 0-6
SKO VI 07 21 01 09.6 40.25N 25.90E 0 **¶13840422**
SOF VI 07 21 01 10.5 40.38N 25.67E 1 3.5
ATH VI 07 21 01 11.9 40.39N 25.77E 27–1 3.3
DDA VI 07 21 01 11.5 40.42N 25.73E 26 3.5
ISCJB VI 07 21 01 11.7–.63 40.39N–.02 25.73E–.03 8–5 3.5
ISK VI 07 21 01 12.3 40.39N 25.81E 9 3.5L
CSEM VI 07 21 01 12.1–.12 40.39N 25.76E 2 3.3
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=139.8.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=48.0.
ISC VI 07 23 32 33.9–1.6 38.27N–.04 26.53E–.06 3–10 69 0-3
ISCJB VI 07 23 32 34.5–1.1 38.29N–.04 26.56E–.06 4–5 **¶13840428**
DDA VI 07 23 32 34.4 38.36N 26.57E 8 3.1
ISK VI 07 23 32 34.6 38.25N 26.61E 10 3.2
CSEM VI 07 23 32 34.4–.56 38.26N 26.57E 0–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.8km az=140.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.2km az=48.0.
ISC VI 09 03 40 12.0–1.2 38.81N–.02 26.00E–.03 5–10 146 0-4
ISK VI 09 03 40 11.0 38.80N 26.02E 6 3.5 **¶13840457**
ATH VI 09 03 40 12.4 38.85N 26.05E 27–0 3.1
DDA VI 09 03 40 12.6 38.81N 26.08E 9 3.4
ISCJB VI 09 03 40 12.3–.58 38.82N–.02 26.05E–.03 9–4 3.4
CSEM VI 09 03 40 12.6–.13 38.81N 26.02E 10 3.3L
THE VI 09 03 40 13.7 38.83N 26.06E 12–1 3.3L
ISC Event type ke.
ATH Error ellipse: s-maj=0.3km s-min=0.8km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=163.6.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=71.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=86.0.
ISC VI 09 13 45 41.7–.90 40.39N–.02 25.78E–.02 14–7 71 0-3
ISK VI 09 13 45 41.7 40.39N 25.81E 20 2.7 **¶13840474**
ATH VI 09 13 45 41.8 40.39N 25.77E 19–2 3.1
CSEM VI 09 13 45 41.7–.19 40.39N 25.78E 15 3.1
ISCJB VI 09 13 45 42.1–.37 40.40N–.03 25.78E–.03 19–5 3.1
THE VI 09 13 45 42.3 40.39N 25.76E 10–1 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=160.5.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=51.0.
ISC VI 10 18 19 40.4–.96 40.34N–.03 25.36E–.04 11–8 24 0-2

ISCJB VI 10 18 19 39.3–.73 40.32N–.04 25.30E–.05 4–7 ¶14697176
ATH VI 10 18 19 40.5 40.32N 25.37E 9 2.8
DDA VI 10 18 19 40.3 40.40N 25.55E 7 2.4
CSEM VI 10 18 19 40.2–.13 40.36N 25.32E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.8km az=30.4.
ATH Error ellipse: s-maj=1.6km s-min=2.7km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=136.0.
ISC VI 11 02 13 57.3–.98 39.10N–.02 23.34E–.02 13–6 42 0-1
ISCJB VI 11 02 13 57.1–.47 39.09N–.02 23.35E–.04 12–4 ¶14697193
THE VI 11 02 13 57.4 39.09N 23.34E 10–2 1.1L
ATH VI 11 02 13 57.4 39.09N 23.34E 9–5 2.8
CSEM VI 11 02 13 57.0–.04 39.11N 23.34E 10 1.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=28.6.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.4km az=23.0.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=114.0.
ISC VI 12 01 52 36.4–1.1 40.13N–.03 24.02E–.03 13–8 39 0-1
ISCJB VI 12 01 52 36.0–.92 40.07N–.04 23.99E–.05 12–6 ¶14305979
CSEM VI 12 01 52 35.9–.20 40.09N 24.01E 12 1.6L
ATH VI 12 01 52 36.4 40.14N 24.01E 18–9 2.8
THE VI 12 01 52 37.3 40.15N 24.00E 7–1 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.0km az=35.7.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=40.0.
ATH Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=211.0.
ISC VI 12 10 26 36.8–1.5 38.54N–.05 26.87E–.05 20–6 18 0-1
ISCJB VI 12 10 26 36.9–.84 38.57N–.05 26.85E–.09 12–10 ¶15137364
DDA VI 12 10 26 37.0 38.52N 26.88E 7 2.8
CSEM VI 12 10 26 37.0 38.52N 26.88E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=8.4km az=2.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VI 13 09 11 21.5–.86 38.36N–.03 26.55E–.03 8–5 32 0-2
DDA VI 13 09 11 20.6 38.37N 26.52E 8 2.5 ¶14697237
ISCJB VI 13 09 11 21.8–.59 38.35N–.03 26.53E–.04 5–4 2.5
ATH VI 13 09 11 21.2 38.28N 26.29E 40–1 2.8
CSEM VI 13 09 11 21.6–.26 38.35N 26.54E 5 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.7km az=139.5.
ATH Error ellipse: s-maj=1.6km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=51.0.
ISC VI 13 18 07 40.3–1.1 38.55N–.02 25.23E–.02 8–9 185 1-7
DDA VI 13 18 07 38.1 38.58N 25.19E 2 3.3 ¶13840610
CSEM VI 13 18 07 40.7–.14 38.53N 25.21E 2 3.3
ISCJB VI 13 18 07 40.6–.74 38.54N–.02 25.24E–.02 6–6 3.3
THE VI 13 18 07 41.8 38.57N 25.30E 13–1 3.6L
ATH VI 13 18 07 41.4 38.55N 25.34E 43–2 3.3
ISK VI 13 18 07 41.0 38.49N 25.19E 17 3.4L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=169.5.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=114.0.
ATH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
ISC VI 14 03 19 28.6–.95 38.35N–.02 26.51E–.02 6–6 109 0-4
ISCJB VI 14 03 19 27.3–.72 38.33N–.02 26.43E–.03 3–5 ¶13840630
DDA VI 14 03 19 27.3 38.35N 26.46E 11 2.9
ATH VI 14 03 19 28.3 38.32N 26.45E 29–2 3.3
ISK VI 14 03 19 28.1 38.35N 26.50E 8 3.4
CSEM VI 14 03 19 28.3–.13 38.35N 26.49E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=135.4.
DDA Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=54.0.
ISC VI 16 22 24 23.4–1.1 39.98N–.02 23.69E–.04 19–4 38 0-1
ISCJB VI 16 22 24 23.9–.54 39.99N–.03 23.71E–.08 25–6 ¶14306150
ATH VI 16 22 24 23.3 39.97N 23.67E 28–1 2.8
CSEM VI 16 22 24 23.8–.20 39.98N 23.69E 23–2 1.6L
THE VI 16 22 24 24.2 39.98N 23.68E 2–31 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.3km az=8.2.
ATH Error ellipse: s-maj=0.5km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=3.2km az=96.0.
THE Event type ke. Error ellipse: s-maj=31.7km s-min=0.6km az=59.0.
ISC VI 18 00 25 44.2–1.1 40.26N–.02 25.75E–.02 8–10 108 0-6
ISK VI 18 00 25 42.4 40.24N 25.72E 5 3.1 ¶13840876
ATH VI 18 00 25 43.9 40.28N 25.78E 27–2 2.8
DDA VI 18 00 25 44.0 40.28N 25.80E 22 3.0
THE VI 18 00 25 44.2 40.26N 25.77E 0–3 2.5L
ISCJB VI 18 00 25 44.2–.46 40.27N–.02 25.74E–.03 7–4 2.5L
CSEM VI 18 00 25 44.6–.12 40.27N 25.73E 10 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=2.2km az=-1.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.0km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=41.6.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=178.0.
ISC VI 19 18 12 53.2–1.1 38.96N–.02 24.82E–.01 9–8 3.5b 308 1-43
ISK VI 19 18 12 50.3 38.96N 24.65E 9 3.8 ¶13383516
DDA VI 19 18 12 50.5 39.03N 24.74E 23 3.9L,3.4
ISCJB VI 19 18 12 52.0–.67 38.98N–.01 24.82E–.02 6–5 3.4b,3.4
IDC VI 19 18 12 52.3–1.2 38.93N 24.83E 0 3.6,3.5
ATH VI 19 18 12 53.3 38.98N 24.83E 35–1 3.7L,3.4
CSEM VI 19 18 12 53.1–.07 38.96N 24.81E 10 3.4,3.4
THE VI 19 18 12 53.4 38.97N 24.84E 11–1 3.7L,3.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=174.5.
IDC Error ellipse: s-maj=20.5km s-min=17.2km az=109.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=166.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=98.0.
ISC VI 21 14 00 32.1–1.1 39.91N–.02 25.62E–.02 1–8 3.4b 377 0-41
DDA VI 21 14 00 28.9 40.02N 25.49E 20 4.0 ¶13383532
BEO VI 21 14 00 29.1–1.5 39.59N 25.74E 0 4.0L
ISK VI 21 14 00 30.3 39.89N 25.60E 3 4.2L
ISCJB VI 21 14 00 31.4–.43 39.93N–.01 25.63E–.02 6–3 3.3b,3.0s
IDC VI 21 14 00 31.8–1.2 39.90N 25.79E 0 3.6,3.6
ATH VI 21 14 00 31.8 39.93N 25.61E 24–0 3.8L,3.6
CSEM VI 21 14 00 31.8–.05 39.92N 25.61E 2 3.8L,3.6
THE VI 21 14 00 32.1 39.92N 25.62E 2–1 4.1L,3.6
SOF VI 21 14 00 34.7 40.19N 25.49E 2 3.7,3.6
ISC Event type ke.
DDA Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=30.4.
IDC Error ellipse: s-maj=17.9km s-min=16.7km az=96.0.
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=176.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=33.0.
ISC VI 21 15 55 16.4–1.1 39.93N–.02 25.63E–.02 9–9 141 1-3
DDA VI 21 15 55 12.6 40.04N 25.15E 21 3.2 ¶13841156
ATH VI 21 15 55 15.9 39.94N 25.64E 28–1 3.1
ISCJB VI 21 15 55 15.6–.52 39.93N–.02 25.61E–.02 6–4 3.1
ISK VI 21 15 55 15.2 39.92N 25.61E 7 3.3
THE VI 21 15 55 16.5 39.94N 25.67E 8–1 2.5L
CSEM VI 21 15 55 16.3–.09 39.93N 25.62E 8 3.1
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=35.9.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=63.0.
ISC VI 21 23 24 52.5–1.1 39.94N–.02 25.60E–.03 6–10 119 1-3
ISK VI 21 23 24 51.8 39.93N 25.70E 5 3.2 ¶13841173
DDA VI 21 23 24 52.4 40.03N 25.76E 7 3.2
ATH VI 21 23 24 52.7 39.95N 25.61E 27–2 3.1
CSEM VI 21 23 24 52.3–.11 39.93N 25.58E 5 3.2
THE VI 21 23 24 52.8 39.94N 25.62E 4–2 2.3L
ISCJB VI 21 23 24 52.0–.55 39.93N–.02 25.60E–.03 5–4 2.3L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.
ISC VI 22 00 26 37.8–1.4 39.29N–.03 25.97E–.05 9–10 45 1-3
ISCJB VI 22 00 26 38.6–1.1 39.26N–.04 26.03E–.07 9–6 ¶13841209
CSEM VI 22 00 26 38.5–.50 39.26N 25.98E 10 3.1
DDA VI 22 00 26 40.5 39.35N 26.19E 4 3.1
ISK VI 22 00 26 41.6 39.45N 26.01E 25 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.1km az=157.1.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=5.9km az=72.0.
DDA Event type ke.
ISC VI 23 08 45 35.0–1.1 39.94N–.02 25.63E–.02 6–9 211 0-5
ISCJB VI 23 08 45 34.9–.47 39.93N–.02 25.64E–.02 7–3 ¶13841273
SOF VI 23 08 45 34.0 39.75N 25.37E 8 2.8
ATH VI 23 08 45 34.9 39.94N 25.65E 25–1 3.4
CSEM VI 23 08 45 35.5–.09 39.93N 25.64E 8 3.4
ISK VI 23 08 45 35.8 39.89N 25.80E 6 3.5
THE VI 23 08 45 35.6 39.94N 25.67E 8–0 3.4L
DDA VI 23 08 45 36.5 39.94N 25.65E 16 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=32.9.
ATH Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=20.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=82.0.
DDA Event type ke.
ISC VI 23 21 26 02.1–.91 38.50N–.02 26.86E–.02 10–8 83 0-3
ISCJB VI 23 21 26 01.3–.80 38.45N–.02 26.76E–.03 6–5 ¶13841286
DDA VI 23 21 26 01.6 38.49N 26.84E 17 2.9
ATH VI 23 21 26 01.8 38.48N 26.85E 23–2 3.2
CSEM VI 23 21 26 02.3–.16 38.46N 26.84E 2 2.7
ISK VI 23 21 26 03.0 38.46N 26.92E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=153.1.
DDA Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=73.0.
ISC VI 23 21 36 47.1–1.0 38.55N–.03 26.85E–.04 8–11 26 0-2
DDA VI 23 21 36 46.4 38.55N 26.86E 3 2.8 ¶15137620
CSEM VI 23 21 36 46.3 38.55N 26.86E 3 2.8
ISCJB VI 23 21 36 47.2–.65 38.54N–.03 26.83E–.05 7–8 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. After DDA.
ISCJB Event type ke.
ISC VI 24 09 31 43.0–.99 38.84N–.01 26.84E–.02 9–9 201 0-6
DDA VI 24 09 31 42.4 38.82N 26.85E 25 3.2 ¶13841356
ISK VI 24 09 31 42.2 38.85N 26.84E 7 3.6,3.6L
ISCJB VI 24 09 31 42.2–.42 38.84N–.01 26.84E–.02 2–4 3.6,3.6L
THE VI 24 09 31 42.8 38.80N 26.81E 1–1 3.2L,3.6L
CSEM VI 24 09 31 42.6–.10 38.84N 26.84E 2 3.6,3.6L
ATH VI 24 09 31 42.5 38.84N 26.85E 8–2 3.3,3.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=153.3.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=221.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=57.0.
ATH Error ellipse: s-maj=1.3km s-min=2.8km az=-1.0.
ISC VI 24 10 51 27.8–1.4 40.55N–.04 24.17E–.05 26–12 30 0-1
ATH VI 24 10 51 27.8 40.57N 24.16E 22–6 2.8 ¶14306462
CSEM VI 24 10 51 27.7–.36 40.56N 24.17E 15 2.3L
THE VI 24 10 51 28.5 40.58N 24.18E 13–7 2.3L
ISC Event type ke.
ATH Error ellipse: s-maj=3.0km s-min=4.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=5.6km az=119.0.
THE Event type ke. Error ellipse: s-maj=7.2km s-min=0.8km az=158.0.
ISC VI 24 10 56 32.1–1.0 40.55N–.02 24.09E–.03 21–2 61 0-3
CSEM VI 24 10 56 31.5–.17 40.56N 24.14E 15 2.6L ¶14306463
ISCJB VI 24 10 56 31.5–.56 40.58N–.02 24.11E–.04 14–4 2.6L
THE VI 24 10 56 31.6 40.57N 24.18E 17–1 2.6L
ATH VI 24 10 56 31.6 40.56N 24.08E 36–4 3.1
SKO VI 24 10 56 33.8 40.66N 24.10E 2 3.1
BEO VI 24 10 56 35.7–1.4 40.63N 24.20E 0 1.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=114.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=9.3.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=110.0.
ATH Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0.
BEO Event type ke.
ISC VI 25 07 35 31.7–1.1 38.93N–.03 26.98E–.04 8–11 36 0-2
ISCJB VI 25 07 35 31.8–.72 38.93N–.03 26.98E–.05 6–7 ¶13841464
ISK VI 25 07 35 31.4 38.90N 26.99E 19 2.5
CSEM VI 25 07 35 31.6–.25 38.92N 26.94E 10 2.8
DDA VI 25 07 35 32.4 38.92N 27.03E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.7km az=156.8.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.9km az=65.0.
DDA Event type ke.
ISC VI 25 10 42 52.4–.95 39.54N–.02 23.47E–.03 14–8 47 0-1
ATH VI 25 10 42 51.8 39.53N 23.47E 29–1 2.8 ¶14306502
ISCJB VI 25 10 42 52.7–.47 39.52N–.03 23.47E–.05 22–6 2.8
THE VI 25 10 42 52.9 39.53N 23.45E 8–4 2.5L
CSEM VI 25 10 42 52.1–.13 39.54N 23.43E 15 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=31.2.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=0.4km az=186.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=103.0.
ISC VI 27 09 33 01.5–1.0 38.72N–.03 26.52E–.06 13–10 22 0-1
DDA VI 27 09 33 01.1 38.73N 26.53E 7 2.8 ¶14306691
THE VI 27 09 33 01.7 38.73N 26.51E 3–10 2.0L
CSEM VI 27 09 33 01.4–.18 38.73N 26.53E 10 2.0L
ISC Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=10.9km s-min=0.6km az=272.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.2km az=82.0.
ISC VI 27 09 49 47.7–1.0 38.71N–.02 26.57E–.03 7–10 56 0-3
DDA VI 27 09 49 47.0 38.69N 26.50E 7 3.0 ¶14306693
ISCJB VI 27 09 49 47.5–.61 38.72N–.02 26.54E–.04 0–6 3.0
CSEM VI 27 09 49 47.8–.24 38.69N 26.54E 2 3.0
ATH VI 27 09 49 48.4 38.71N 26.46E 6–3 3.2
THE VI 27 09 49 48.0 38.72N 26.49E 3–4 2.4L
ISC Event type ke.

DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=165.4.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.2km az=82.0.
ATH Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=0.3km az=281.0.
ISC VI 27 23 26 14.5–1.6 39.39N–.03 25.93E–.07 11–12 30 0-2
CSEM VI 27 23 26 14.0–.50 39.40N 25.89E 5 2.8 ¶13841622
ISCJB VI 27 23 26 15.5–1.2 39.40N–.04 25.9E–.10 17–9 2.8
ISK VI 27 23 26 15.4 39.48N 25.94E 12 2.8
DDA VI 27 23 26 15.2 39.35N 26.08E 6 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.9km s-min=5.1km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=5.8km az=176.0.
DDA Event type ke.
ISC VI 28 23 43 29.0–1.8 39.28N–.03 25.96E–.08 8–13 34 1-2
DDA VI 28 23 43 23.9 39.33N 25.79E 3 2.8 ¶13841701
ISCJB VI 28 23 43 29.8–1.4 39.27N–.04 26.00E–.09 10–6 2.8
CSEM VI 28 23 43 29.9–.37 39.25N 26.00E 10 2.8
ISK VI 28 23 43 31.9 39.32N 26.28E 6 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=5.9km az=175.1.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=3.9km az=85.0.
ISC VI 29 04 35 01.4–.88 40.36N–.03 25.76E–.03 16–8 33 0-2
DDA VI 29 04 35 00.8 40.28N 25.83E 7 2.9 ¶14306802
ISCJB VI 29 04 35 01.2–.67 40.35N–.03 25.77E–.04 7–6 2.9
THE VI 29 04 35 01.6 40.35N 25.77E 12–1 2.0L
CSEM VI 29 04 35 01.1–.14 40.36N 25.77E 10 2.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.7km az=160.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=335.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.2km az=135.0.

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ISK I 01 02 48 37.7 37.86N 29.23E 5 3.3
DDA I 01 02 48 37.9 37.88N 29.24E 16 3.2 ¶12854377
CSEM I 01 02 48 38.8–.18 37.83N 29.22E 2 3.3
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.9km az=111.0.
ISC I 01 03 44 09.4–.98 38.40N–.02 38.91E–.02 8–7 57 0-3
ISK I 01 03 44 08.2 38.40N 38.92E 4 3.1 ¶12854375
DDA I 01 03 44 08.7 38.40N 38.90E 7 2.7
ISCJB I 01 03 44 09.0–.46 38.40N–.03 38.90E–.03 5–4 2.7
CSEM I 01 03 44 09.0–.17 38.41N 38.90E 2 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=153.6.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=152.0.
ISC I 01 04 27 07.9–1.2 37.13N–.04 38.86E–.03 13–8 64 0-4
DDA I 01 04 27 08.0 37.16N 38.78E 40 3.1 ¶12854373
ISK I 01 04 27 08.8 37.24N 38.68E 5 3.2
CSEM I 01 04 27 09.1–.64 37.18N 38.83E 10 3.2
ISCJB I 01 04 27 09.1–.96 37.16N–.04 38.80E–.03 10–5 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 01 07 54 15.7–1.1 37.63N–.03 30.57E–.05 5–10 25 0-2
DDA I 01 07 54 15.8 37.63N 30.61E 7 2.9 ¶15132584
CSEM I 01 07 54 15.5–.21 37.63N 30.54E 5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.9km az=99.0.
ISC I 01 15 34 25.5–1.0 40.26N–.03 27.00E–.02 23–8 50 0-2
ISK I 01 15 34 25.2 40.27N 26.99E 22 2.7 ¶12854371
DDA I 01 15 34 25.8 40.24N 27.06E 7 2.9
CSEM I 01 15 34 25.6–.10 40.27N 26.99E 21–1 2.7
ISCJB I 01 15 34 25.7–.43 40.27N–.03 26.99E–.04 23–6 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 01 16 35 06.1–.83 39.24N–.02 26.07E–.02 15–5 138 0-4
ATH I 01 16 35 05.2 39.26N 26.12E 23–1 3.3 ¶12854370
CSEM I 01 16 35 05.8–.09 39.24N 26.06E 8 3.3
ISCJB I 01 16 35 05.4–.52 39.23N–.02 26.04E–.03 10–3 3.3
DDA I 01 16 35 05.8 39.26N 26.16E 25 3.3
THE I 01 16 35 06.3 39.25N 26.06E 10–0 3.0L
ISK I 01 16 35 06.1 39.25N 26.13E 12 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=10.7.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=83.0.
ISC I 01 18 21 51.1–1.2 41.00N–.04 40.43E–.03 20–5 45 0-1
DDA I 01 18 21 50.4 41.08N 40.47E 7 2.5 ¶12854369
ISK I 01 18 21 51.1 40.86N 40.62E 16 2.2L
CSEM I 01 18 21 51.1–.18 41.00N 40.45E 20 2.2L
ISCJB I 01 18 21 51.5–.59 41.00N–.04 40.45E–.04 25–9 2.2L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 01 19 01 56.6–.98 37.07N–.02 29.14E–.02 10–7 3.4b 194 0-40
DDA I 01 19 01 55.0 37.02N 29.15E 23 4.1L ¶12079773
IDC I 01 19 01 54.1–1.3 36.95N 29.08E 0 3.7b,3.6
ISK I 01 19 01 56.1 37.06N 29.12E 14 3.5,3.4L
CSEM I 01 19 01 56.3–.09 37.09N 29.16E 2 3.5,3.4L
ISCJB I 01 19 01 56.2–.48 37.08N–.02 29.14E–.02 8–4 3.5b,3.4L
THE I 01 19 01 57.6 37.07N 29.16E 0–0 3.4L,3.4L
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=22.1km az=135.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=158.4.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=158.0.
ISC I 01 20 45 35.0–.95 39.24N–.02 26.04E–.02 8–8 277 0-8
CSEM I 01 20 45 34.9–.07 39.22N 26.04E 10 3.5 ¶12854368
DDA I 01 20 45 34.4 39.25N 26.09E 25 3.5
ATH I 01 20 45 34.2 39.26N 26.12E 21–0 3.5
THE I 01 20 45 34.9 39.22N 26.05E 7–0 3.4L
ISK I 01 20 45 34.3 39.24N 26.06E 14 3.6L
ISCJB I 01 20 45 34.1–.47 39.23N–.01 26.03E–.02 9–3 3.6L
SOF I 01 20 45 38.1 39.51N 26.05E 18 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=10.0.
DDA Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=97.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=40.4.
ISC I 01 21 04 54.5–.86 39.25N–.02 26.07E–.03 13–6 68 0-3
ISK I 01 21 04 53.9 39.27N 26.26E 5 2.9 ¶12854367
THE I 01 21 04 54.5 39.23N 26.04E 6–1 2.4L
ATH I 01 21 04 54.5 39.38N 26.21E 16–1 3.1
CSEM I 01 21 04 54.2–.15 39.23N 26.07E 10 3.1
ISCJB I 01 21 04 54.2–.66 39.25N–.02 26.08E–.04 9–5 3.1
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 01 21 31 48.3–.99 39.24N–.02 26.04E–.02 7–8 146 0-4
ISK I 01 21 31 47.2 39.25N 26.04E 10 3.3 ¶12854365
ATH I 01 21 31 47.3 39.28N 26.14E 20–1 3.4
ISCJB I 01 21 31 47.8–.61 39.24N–.02 26.06E–.03 11–4 3.4
CSEM I 01 21 31 48.0–.11 39.23N 26.04E 8 3.4
THE I 01 21 31 48.0 39.23N 26.04E 5–1 2.8L
SOF I 01 21 31 53.9 39.82N 25.99E 2 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=1.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=75.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=96.0.
ISC I 01 22 08 33.5–.89 39.26N–.02 26.09E–.03 14–5 59 0-3
CSEM I 01 22 08 32.7–.30 39.25N 26.01E 4–3 2.9 ¶14188666
ISCJB I 01 22 08 33.0–.74 39.25N–.03 26.04E–.04 7–4 2.9
THE I 01 22 08 33.2 39.23N 26.03E 6–1 2.6L
ATH I 01 22 08 33.3 39.39N 26.21E 15–1 2.9
DDA I 01 22 08 33.3 39.27N 26.16E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.8km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=145.3.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=134.0.
ATH Error ellipse: s-maj=2.0km s-min=2.8km az=-1.0.
DDA Event type ke.
ISC I 01 22 32 21.7–1.1 39.25N–.02 26.03E–.03 7–9 98 0-4
THE I 01 22 32 21.9 39.23N 26.03E 5–1 2.5L ¶12854364
DDA I 01 22 32 21.3 39.25N 26.04E 28 3.0
CSEM I 01 22 32 21.8–.16 39.24N 26.01E 5 3.1
ISCJB I 01 22 32 21.7–.64 39.24N–.02 26.03E–.03 7–4 3.1
ISK I 01 22 32 21.0 39.25N 26.02E 4 3.1
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=116.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=159.1.
ISC I 01 23 46 52.9–.87 39.23N–.02 26.05E–.02 11–6 299 0-8
SKO I 01 23 46 49.0 38.94N 26.80E 94 ¶12854362
ATH I 01 23 46 51.6 39.26N 26.08E 21–0 3.4L
ISCJB I 01 23 46 51.9–.45 39.24N–.01 26.02E–.02 9–3 3.4L
DDA I 01 23 46 52 39.25N 26.06E 26 3.5
THE I 01 23 46 52.8 39.21N 26.04E 6–1 3.5L
ISK I 01 23 46 52.6 39.25N 26.09E 14 3.6L
CSEM I 01 23 46 52.2–.07 39.24N 26.03E 5 3.4L
SOF I 01 23 46 56.6 39.70N 26.01E 3 3.4
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=29.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=100.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=176.0.
ISC I 01 23 59 57.7–.86 39.24N–.02 26.06E–.02 12–6 126 0-4
ATH I 01 23 59 56.8 39.27N 26.11E 22–1 3.3 ¶12854360
ISK I 01 23 59 57.4 39.25N 26.01E 16 3.0
ISCJB I 01 23 59 57.2–.57 39.23N–.02 26.04E–.03 10–4 3.0
DDA I 01 23 59 57.2 39.24N 26.07E 26 2.8
THE I 01 23 59 57.9 39.23N 26.06E 9–1 2.7L
CSEM I 01 23 59 58.1–.11 39.24N 26.04E 15 3.3
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=138.8.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=111.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=40.0.
ISC I 02 02 14 45.6–.96 39.66N–.03 38.72E–.03 14–9 33 0-1
ISK I 02 02 14 44.4 39.69N 38.76E 9 2.9 ¶12854404
ISCJB I 02 02 14 44.9–.72 39.68N–.03 38.78E–.06 5–7 2.9
CSEM I 02 02 14 45.2–.28 39.67N 38.74E 10 2.9
DDA I 02 02 14 46.2 39.57N 38.65E 7 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.3km az=174.9.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=5.6km az=102.0.
DDA Event type ke.
ISC I 02 04 27 19.7–.83 39.39N–.02 26.27E–.02 13–6 111 0-3
ISK I 02 04 27 17.4 39.38N 26.13E 7 3.1 ¶12854402
CSEM I 02 04 27 18.3–.18 39.37N 26.17E 5 3.3
ISCJB I 02 04 27 18.4–.62 39.38N–.02 26.21E–.03 5–4 3.3
ATH I 02 04 27 19.0 39.41N 26.31E 15–2 3.3
DDA I 02 04 27 19.2 39.42N 26.29E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=158.7.
ATH Error ellipse: s-maj=1.4km s-min=3.9km az=-1.0.
DDA Event type ke.
ISC I 02 06 37 22.0–1.1 38.71N–.03 31.07E–.03 7–11 41 0-2
ISK I 02 06 37 21.3 38.71N 31.07E 5 2.8 ¶12854400
DDA I 02 06 37 21.9 38.72N 31.03E 11 2.8
CSEM I 02 06 37 21.8–.14 38.70N 31.07E 5 2.8
ISCJB I 02 06 37 21.4–.64 38.70N–.03 31.08E–.04 2–7 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 02 06 38 58.4–1.1 39.67N–.03 38.77E–.03 8–11 37 0-2
ISK I 02 06 38 57.7 39.69N 38.73E 9 2.9 ¶12854399
CSEM I 02 06 38 58.2–.16 39.68N 38.73E 10 2.9
DDA I 02 06 38 58.1 39.64N 38.78E 7 2.9
ISCJB I 02 06 38 58.4–.50 39.67N–.03 38.77E–.05 6–6 2.9
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC I 02 10 07 05.5–2.5 38.2N–.20 38.05E–.08 23–10 8 0-1
DDA I 02 10 07 07.5 38.27N 38.12E 7 2.8 ¶15132609
ISC Event type ke.
DDA Event type ke.
ISC I 02 11 19 58.8–.92 39.45N–.03 28.17E–.03 14–8 38 0-2
ISK I 02 11 19 58.1 39.41N 28.13E 12 2.2L ¶12854393
DDA I 02 11 19 58.3 39.47N 28.17E 7 2.9
CSEM I 02 11 19 58.6–.15 39.44N 28.16E 8 2.9
ISCJB I 02 11 19 58.6–.54 39.45N–.04 28.16E–.04 6–6 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 02 12 33 13.2–1.1 37.87N–.02 29.15E–.03 6–10 29 0-1
ISK I 02 12 33 12.7 37.84N 29.15E 5 2.0L ¶12854389
DDA I 02 12 33 13 37.89N 29.20E 7 2.6
CSEM I 02 12 33 13.3–.22 37.87N 29.15E 5 2.0L
ISCJB I 02 12 33 13.3–.57 37.87N–.03 29.15E–.04 4–7 2.0L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 02 13 46 55.6–.95 37.65N–.04 36.11E–.04 15–9 30 0-2
DDA I 02 13 46 54.7 37.65N 36.11E 7 2.8 ¶12854385
CSEM I 02 13 46 55.6–.33 37.70N 36.04E 8 2.8
ISK I 02 13 46 55.0 37.68N 36.11E 8 1.9L
ISCJB I 02 13 46 55.5–.65 37.64N–.05 36.12E–.04 8–7 1.9L
ISC Event type ke.
DDA Event type ke.

CSEM Event type ke.
ISCJB Event type ke.
ISC I 02 14 44 12.8–4.6 36.9N–.40 35.8E–.20 12 5 1-5
DDA I 02 14 44 21.0 37.44N 35.45E 7 2.6 ¶15132602
ISC Event type ke.
DDA Event type ke.
ISC I 02 15 00 39.1–.91 40.18N–.03 30.02E–.02 10–7 46 0-2
ISK I 02 15 00 38.6 40.18N 30.00E 12 1.6L ¶12854384
ISCJB I 02 15 00 38.9–.52 40.20N–.04 30.05E–.04 3–6 1.6L
DDA I 02 15 00 39.2 40.14N 30.01E 7 2.8
CSEM I 02 15 00 39.2–.20 40.20N 30.03E 5 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.1km az=20.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=30.0.
ISC I 02 15 41 18.7–.95 37.89N–.02 29.17E–.03 10–9 45 0-2
DDA I 02 15 41 18.0 37.88N 29.21E 7 2.6 ¶12854383
ISK I 02 15 41 18.8 37.86N 29.16E 8 2.8
CSEM I 02 15 41 18.5–.16 37.89N 29.19E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=93.0.
ISC I 03 01 53 19.9–1.1 37.14N–.02 30.46E–.03 5–10 99 0-4
ISK I 03 01 53 18.6 37.16N 30.45E 7 3.4 ¶12854424
DDA I 03 01 53 18.0 37.13N 30.55E 7 3.3
CSEM I 03 01 53 19.2–.11 37.16N 30.46E 2 3.4
ISCJB I 03 01 53 19.1–.57 37.16N–.02 30.48E–.03 5–5 3.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISK I 03 12 16 05.9 38.22N 28.69E 6 2.9
DDA I 03 12 16 05.8 38.22N 28.70E 7 2.9 ¶12854417
CSEM I 03 12 16 06.0–.14 38.21N 28.67E 2 2.9
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=78.0.
ISK I 03 13 17 37.5 40.25N 29.99E 7 1.8L
CSEM I 03 13 17 37.5 40.25N 29.99E 7 1.8L ¶12854416
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC I 03 14 19 33.6–.98 37.90N–.02 29.23E–.03 10–8 44 0-1
CSEM I 03 14 19 33.4–.14 37.89N 29.20E 10 2.8 ¶12854414
DDA I 03 14 19 33.4 37.92N 29.22E 7 2.8
ISK I 03 14 19 33.3 37.88N 29.18E 13 2.8
ISCJB I 03 14 19 33.5–.46 37.89N–.02 29.21E–.04 8–5 2.8
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC I 03 19 11 43.9–2.0 36.22N–.08 31.19E–.06 15–15 30 2-3
CSEM I 03 19 11 42.7–.43 36.29N 31.25E 10 3.5W ¶11712527
ISCJB I 03 19 11 42.5–2.3 36.25N–.09 31.2E–.10 13–15 3.5W
NIC I 03 19 11 45.0–.30 36.35N 31.38E 60 4.1b,3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=32.7km s-min=8.4km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=20.7km s-min=5.2km az=41.4.
NIC Moment Tensor Solution. $M_0 2.00000 \times 10^{14}$
ISC I 03 22 19 17.6–1.2 38.04N–.03 37.87E–.03 4–11 34 0-2
DDA I 03 22 19 17.0 38.02N 37.88E 7 2.7 ¶12854409
ISK I 03 22 19 16.5 38.10N 37.84E 5 3.0
ISCJB I 03 22 19 16.9–.74 38.06N–.04 37.83E–.06 1–8 3.0
CSEM I 03 22 19 17.3–.12 38.07N 37.86E 8 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.0km az=39.4.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=135.0.
ISC I 03 23 05 57.8–1.0 39.60N–.02 27.43E–.02 18–2 192 0-8
ISK I 03 23 05 56.6 39.60N 27.40E 10 3.5L ¶12854408
ATH I 03 23 05 56.1 39.64N 27.47E 18–2 3.6
DDA I 03 23 05 57.0 39.59N 27.42E 7 3.0
THE I 03 23 05 56.3 39.51N 27.50E 0–1 3.4L
ISCJB I 03 23 05 57.8–.34 39.61N–.02 27.42E–.02 16–4 3.4L
CSEM I 03 23 05 57.6–.08 39.61N 27.43E 10 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=2.7km az=-1.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=150.0.
ISC I 04 01 40 05.1–.88 37.90N–.02 29.21E–.03 16–7 38 0-1
ISK I 04 01 40 04.4 37.69N 29.28E 14 2.7 ¶12854448
DDA I 04 01 40 04.7 37.91N 29.22E 7 2.6
CSEM I 04 01 40 05.1–.19 37.92N 29.23E 2 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=107.0.
ISC I 04 01 48 05.7–.92 37.94N–.03 29.16E–.04 12–8 33 0-1
ISK I 04 01 48 04.9 38.00N 29.11E 9 2.8 ¶12854447
DDA I 04 01 48 05.0 37.91N 29.21E 7 2.8
CSEM I 04 01 48 05.5–.24 37.94N 29.16E 8 2.8
ISCJB I 04 01 48 05.7–.58 37.94N–.03 29.19E–.05 7–6 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
CSEM I 04 04 45 17.9–.14 40.70N 30.58E 5 3.0
DDA I 04 04 45 17.5 40.72N 30.54E 7 3.0 ¶12854446
ISK I 04 04 45 17.3 40.68N 30.57E 5 3.0
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=8.0.
DDA Event type ke.
ISK I 04 06 56 56.0 37.88N 29.22E 8 2.8
DDA I 04 06 56 55.6 37.88N 29.25E 6 2.7 ¶12854442
CSEM I 04 06 56 56.1–.12 37.88N 29.24E 5 2.8
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=123.0.
ISC I 04 07 42 13.4–.95 38.53N–.04 43.10E–.05 17–7 24 0-1
ISK I 04 07 42 12.2 38.56N 43.04E 5 2.6 ¶12854441
CSEM I 04 07 42 12.9–.25 38.54N 43.09E 15 2.6
DDA I 04 07 42 13.3 38.53N 43.09E 7 2.7
ISCJB I 04 07 42 13.8–.81 38.56N–.05 43.10E–.06 16–19 2.7
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC I 04 07 47 04.3–.95 37.88N–.02 29.21E–.03 12–9 38 0-1
DDA I 04 07 47 03.8 37.88N 29.22E 4 2.8 ¶12854440
ISK I 04 07 47 04.1 37.88N 29.19E 7 2.8
CSEM I 04 07 47 04.2–.13 37.88N 29.22E 5 2.8
ISCJB I 04 07 47 04.2–.51 37.88N–.03 29.21E–.04 6–6 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 04 09 11 15.5–.89 39.34N–.02 38.32E–.02 11–7 49 0-2
ISK I 04 09 11 14.8 39.33N 38.37E 2 3.0 ¶12854439
DDA I 04 09 11 14.6 39.35N 38.33E 8 3.0
CSEM I 04 09 11 15.3–.20 39.34N 38.32E 2 3.0
ISCJB I 04 09 11 15.2–.66 39.35N–.02 38.33E–.04 2–6 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC I 04 09 29 25.6–1.1 39.36N–.02 40.51E–.03 5–13 40 0-2
CSEM I 04 09 29 25.1–.17 39.36N 40.52E 2 3.0 ¶12854438
DDA I 04 09 29 25.6 39.38N 40.49E 7 2.8
ISK I 04 09 29 25.1 39.38N 40.51E 6 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=128.0.
DDA Event type ke.
ISC I 04 10 08 54.6–1.1 38.32N–.08 38.09E–.03 10–10 21 0-1
CSEM I 04 10 08 52.5–.27 38.17N 38.05E 15 3.0 ¶12854437
ISCJB I 04 10 08 52.9–1.4 38.16N–.09 38.08E–.06 14–5 3.0
ISK I 04 10 08 53.0 38.31N 38.04E 9 2.8
DDA I 04 10 08 54.4 38.28N 38.13E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=3.6km az=178.0.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=7.3km az=179.2.
DDA Event type ke.
ISC I 04 12 33 51.6–1.2 37.45N–.03 38.74E–.03 4–11 57 0-3
CSEM I 04 12 33 51.7–.23 37.44N 38.71E 2 3.3 ¶12854427
DDA I 04 12 33 51.5 37.44N 38.72E 22 3.3
NSSC I 04 12 33 53.1–2.0 37.52N 38.76E 17–19 3.3W,3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.9km az=22.0.
DDA Event type ke.
NSSC Error ellipse: s-maj=24.7km s-min=11.0km az=-1.0.
ISC I 04 13 07 10.5–.91 38.31N–.05 38.10E–.03 12–7 29 0-1
ISK I 04 13 07 09.1 38.34N 38.05E 5 2.8 ¶12854433
CSEM I 04 13 07 09.9–.19 38.33N 38.08E 11–1 2.8
DDA I 04 13 07 10.5 38.27N 38.11E 7 2.8
ISCJB I 04 13 07 10.2–.55 38.31N–.05 38.08E–.04 11–4 2.8
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC I 04 14 29 02.6–1.1 39.05N–.02 42.73E–.03 7–11 66 1-4
DDA I 04 14 29 02.1 39.06N 42.71E 7 3.2 ¶12854432
ISK I 04 14 29 02.2 39.08N 42.68E 5 3.4
CSEM I 04 14 29 03.2–.18 39.07N 42.71E 2 3.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=39.0.
ISC I 05 10 48 58.2–.84 37.85N–.02 29.15E–.03 10 40 0-1
ISK I 05 10 48 57.8 37.81N 29.18E 5 2.9 ¶12854461
DDA I 05 10 48 58.7 37.88N 29.10E 7 3.1
CSEM I 05 10 48 58.4–.21 37.81N 29.15E 10 2.9
ISCJB I 05 10 48 58.5–.45 37.84N–.02 29.14E–.04 10 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 05 16 38 31.1–.85 39.11N–.03 28.61E–.03 11–7 54 0-2
ISK I 05 16 38 30.9 39.08N 28.61E 19 2.9 ¶12854454
DDA I 05 16 38 30.9 39.10N 28.59E 8 2.8
CSEM I 05 16 38 30.9–.11 39.11N 28.63E 10 2.8
ISCJB I 05 16 38 31.1–.54 39.10N–.03 28.63E–.04 13–5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 06 01 28 43.1–1.4 38.92N–.02 27.10E–.03 10–12 56 1-2
ISK I 06 01 28 43.6 38.91N 27.11E 5 2.9 ¶12854488
ATH I 06 01 28 43.3 38.95N 27.17E 18–6 3.1
ISCJB I 06 01 28 44.3–.79 38.91N–.03 27.05E–.06 6–7 3.1
CSEM I 06 01 28 44.3–.17 38.90N 27.06E 2 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=2.7km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.1km az=18.4.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=92.0.
ISC I 06 02 22 51.8–1.1 38.83N–.04 40.79E–.04 14–10 26 0-2
DDA I 06 02 22 51.3 38.82N 40.83E 7 2.9 ¶12854487
CSEM I 06 02 22 51.7–.26 38.88N 40.73E 10 2.9
ISK I 06 02 22 51.0 38.85N 40.79E 10 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=4.4km az=138.0.
ISC I 06 10 13 20.8–.99 37.90N–.03 29.23E–.05 10–9 25 0-1
DDA I 06 10 13 19.8 37.91N 29.22E 5 2.6 ¶12854486
CSEM I 06 10 13 20.4–.24 37.94N 29.12E 12 2.8
ISCJB I 06 10 13 21.5–.66 37.88N–.03 29.18E–.08 21–10 2.8
ISK I 06 10 13 22.5 37.83N 29.04E 9 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=4.5km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.5km az=177.1.
ISC I 06 14 34 20.0–.95 37.88N–.02 29.25E–.04 11–9 33 0-1
ISK I 06 14 34 18.4 37.81N 29.33E 6 2.8 ¶12854481
DDA I 06 14 34 19.8 37.90N 29.23E 4 2.6
CSEM I 06 14 34 19.5–.13 37.86N 29.25E 12 2.8
ISCJB I 06 14 34 20.0–.56 37.87N–.03 29.25E–.05 9–5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 06 16 00 10.4–.91 37.02N–.03 36.06E–.03 14–8 44 0-3
DDA I 06 16 00 09.7 37.06N 36.05E 7 3.2 ¶12854480
ISK I 06 16 00 09.8 37.03N 36.06E 14 3.0
ISCJB I 06 16 00 10.3–.45 37.04N–.03 36.05E–.03 9–5 3.0
CSEM I 06 16 00 10.5–.13 37.03N 36.04E 12 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=142.7.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=152.0.
ISC I 06 16 17 57.8–1.0 37.90N–.05 29.21E–.05 13–11 21 0-1
ISK I 06 16 17 55.6 37.81N 29.27E 12 2.8 ¶12854479
ISCJB I 06 16 17 57.0–1.0 37.81N–.06 29.3E–.10 23–11 2.8
CSEM I 06 16 17 56.7–.47 37.86N 29.21E 19–4 2.8
DDA I 06 16 17 58.0 37.89N 29.24E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=8.1km az=27.9.
CSEM Event type ke. Error ellipse: s-maj=15.5km s-min=10.6km az=106.0.
DDA Event type ke.
ISC I 06 20 38 21.1–.81 37.56N–.02 29.98E–.02 14 39 0-2
ISK I 06 20 38 18.6 37.54N 29.94E 2 2.9 ¶12854477
ISCJB I 06 20 38 20.1–.50 37.53N–.04 29.97E–.04 14 2.9
CSEM I 06 20 38 20.0–.23 37.55N 29.96E 8 2.9
DDA I 06 20 38 20.3 37.58N 30.12E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=179.9.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.1km az=16.0.
DDA Event type ke.
ISC I 07 01 20 24.4–1.0 39.28N–.03 39.80E–.03 17–10 38 0-1
ISK I 07 01 20 23.8 39.30N 39.78E 19 2.8 ¶12854494
DDA I 07 01 20 24.2 39.27N 39.79E 7 3.1
CSEM I 07 01 20 24.6–.16 39.27N 39.83E 20 2.8
ISCJB I 07 01 20 25.1–.47 39.29N–.03 39.80E–.04 26–6 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 07 04 43 36.7–1.0 37.89N–.02 29.24E–.03 10–9 37 0-1
DDA I 07 04 43 35.3 37.88N 29.26E 7 2.8 ¶12854492
ISCJB I 07 04 43 36.4–.52 37.89N–.03 29.22E–.05 7–6 2.8

ISK I 07 04 43 36.4 37.90N 29.23E 13 2.8
CSEM I 07 04 43 36.5–.12 37.93N 29.17E 15 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=175.2.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=101.0.
ISC I 07 07 17 23.9–1.1 39.69N–.03 42.52E–.02 4–10 69 0-3
ISK I 07 07 17 21.4 39.82N 42.60E 5 3.3 ¶12854505
NSSP I 07 07 17 21.9 39.83N 42.50E 10 2.7s
DDA I 07 07 17 22.1 39.75N 42.56E 7 3.1
CSEM I 07 07 17 24.0–.24 39.60N 42.48E 2 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=4.4km az=163.0.
ISC I 07 13 17 14.1–1.3 39.08N–.03 41.98E–.03 3–12 34 0-2
ISK I 07 13 17 14.5 39.10N 41.98E 5 2.9 ¶12854501
CSEM I 07 13 17 15.0–.47 39.09N 41.99E 2 2.9
DDA I 07 13 17 15.1 39.11N 41.96E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=10.6km az=24.0.
DDA Event type ke.
ISC I 07 21 12 47.0–.90 38.04N–.03 37.89E–.04 10–8 34 0-2
ISCJB I 07 21 12 46.6–.57 38.04N–.03 37.86E–.05 4–6 ¶12854498
ISK I 07 21 12 46.3 38.06N 37.85E 8 2.9
DDA I 07 21 12 46.4 38.04N 37.87E 7 2.9
CSEM I 07 21 12 46.8–.15 38.06N 37.87E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.1km az=28.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=131.0.
ISC I 07 22 33 41.8–1.1 37.09N–.04 29.34E–.04 30–7 21 0-1
ISK I 07 22 33 39.6 37.02N 29.19E 26 2.7 ¶12854497
DDA I 07 22 33 39.6 36.98N 29.16E 7 2.7
ISCJB I 07 22 33 41.1–1.5 37.04N–.06 29.24E–.06 30–18 2.7
CSEM I 07 22 33 42.0–.42 37.10N 29.37E 20 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=7.2km az=29.8.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=10.1km az=28.0.
ISC I 08 00 24 34.6–.67 38.03N–.02 37.83E–.02 17–6 66 0-4
ISK I 08 00 24 34.8 38.02N 37.91E 3 3.4 ¶12854512
DDA I 08 00 24 35.5 38.04N 37.87E 4 3.1
CSEM I 08 00 24 36.0–.13 38.04N 37.92E 2 3.1
NSSC I 08 00 24 38.2–.83 37.80N 38.24E 143–56 2.6L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=139.0.
NSSC Error ellipse: s-maj=29.6km s-min=23.1km az=-1.0.
ISC I 08 03 07 10.5–.92 37.54N–.03 35.70E–.03 9–7 44 0-2
DDA I 08 03 07 09.3 37.58N 35.74E 7 3.1 ¶12854538
ISCJB I 08 03 07 10.4–.60 37.55N–.04 35.71E–.04 7–5 3.1
ISK I 08 03 07 10.0 37.55N 35.69E 7 2.8
CSEM I 08 03 07 10.6–.12 37.54N 35.69E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.3km az=171.1.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=22.0.
ISC I 08 06 48 16.9–.97 39.65N–.03 38.67E–.02 11–8 52 0-3
ISCJB I 08 06 48 16.8–.46 39.66N–.02 38.66E–.04 8–5 ¶12854534
ISK I 08 06 48 16.0 39.67N 38.62E 13 3.1
DDA I 08 06 48 17.0 39.64N 38.68E 7 3.0
CSEM I 08 06 48 16.7–.19 39.65N 38.67E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=20.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=96.0.
ISC I 08 13 50 38.7–1.6 37.23N–.07 38.64E–.05 11–8 30 0-1
ISCJB I 08 13 50 38.3–1.4 37.22N–.06 38.67E–.06 7–6 ¶12854528
CSEM I 08 13 50 38.5–.23 37.23N 38.64E 10 2.7
ISK I 08 13 50 38.2 37.23N 38.64E 9 2.7
DDA I 08 13 50 39.3 37.28N 38.62E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.7km az=147.9.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=153.0.
DDA Event type ke.
ISC I 08 15 43 58.3–1.0 37.81N–.02 27.58E–.02 6–7 4.2b,3.3s 372 0-117
HLW I 08 15 43 57.3 38.12N 27.59E 32–15 3.9L,0.0 ¶11594440
NEIC I 08 15 43 57.0 37.80N 27.51E 13 4.1L,0.0
MOS I 08 15 43 57.8–1.3 38.06N 27.47E 10 4.4b,0.0
IDC I 08 15 43 57.3–.59 37.80N 27.56E 0 4.2,4.1
THE I 08 15 43 58.9 37.83N 27.56E 0–1 4.1L,4.1
ISCJB I 08 15 43 58.1–.42 37.82N–.02 27.59E–.02 10–3 4.1b,3.4s
CSEM I 08 15 43 58.4–.08 37.80N 27.57E 5 4.2b,3.4s
DDA I 08 15 43 58.4 37.86N 27.59E 7 4.1L,3.4s
ISK I 08 15 43 58.2 37.85N 27.61E 8 4.2L,3.4s
ATH I 08 15 44 00.4 37.85N 27.42E 39–4 3.9,3.4s
ISC Event type ke.
NEIC Event type se. After ISK.
MOS Error ellipse: s-maj=13.3km s-min=7.7km az=75.0.
IDC Error ellipse: s-maj=16.4km s-min=13.9km az=152.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=47.0.
DDA Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.
ISC I 08 19 10 05.7–1.2 37.26N–.03 28.52E–.03 2–12 30 0-1
ISCJB I 08 19 10 05.9–.66 37.26N–.04 28.51E–.03 1–8 ¶12854521
ISK I 08 19 10 05.3 37.21N 28.52E 3 2.0
CSEM I 08 19 10 06.0–.25 37.24N 28.50E 10 2.0
DDA I 08 19 10 06.1 37.27N 28.49E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=171.4.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=170.0.
DDA Event type ke.
ISC I 08 19 17 53.3–1.1 39.12N–.04 36.03E–.02 9–12 36 0-2
ISK I 08 19 17 52.6 39.10N 36.06E 6 2.9 ¶12854520
DDA I 08 19 17 53.0 39.13N 36.03E 7 3.0
ISCJB I 08 19 17 53.2–.80 39.12N–.03 36.04E–.04 1–8 3.0
CSEM I 08 19 17 53.4–.16 39.11N 36.04E 5 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=24.5.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=4.0.
ISC I 08 19 55 19.5–1.0 37.40N–.02 27.06E–.02 20–4 66 0-4
ATH I 08 19 55 18.4 37.37N 27.07E 21–2 3.3 ¶12854518
ISCJB I 08 19 55 19.1–.67 37.41N–.03 27.03E–.04 6–5 3.3
ISK I 08 19 55 19.0 37.41N 27.07E 7 3.1
DDA I 08 19 55 19.2 37.41N 27.10E 7 3.2
CSEM I 08 19 55 20.5–.25 37.39N 27.03E 20 3.3
ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=155.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=46.0.
ISC I 08 20 49 46.8–.97 37.91N–.02 29.21E–.03 8–10 56 0-3
ISK I 08 20 49 45.3 37.90N 29.23E 5 2.8 ¶12854517
DDA I 08 20 49 45.7 37.91N 29.22E 2 2.9
CSEM I 08 20 49 46.4–.16 37.90N 29.22E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=116.0.

ISC I 08 21 16 28.2–.97 39.25N–.03 41.57E–.05 15–6 24 0-1
ISK I 08 21 16 27.7 39.27N 41.53E 18 2.5 ¶12854516
DDA I 08 21 16 27.7 39.27N 41.60E 7 3.0
CSEM I 08 21 16 27.3–.43 39.20N 41.44E 20 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=9.3km az=115.0.
ISC I 09 09 53 15.0–.95 37.93N–.02 29.11E–.05 11–9 34 0-1
DDA I 09 09 53 14.8 37.93N 29.17E 7 2.8 ¶12854557
ISCJB I 09 09 53 15.2–.55 37.92N–.02 29.12E–.05 3–8 2.8
CSEM I 09 09 53 15.3–.22 37.93N 29.14E 2 2.6
ISK I 09 09 53 16.0 37.91N 28.98E 17 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.0km az=176.7.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.8km az=96.0.
ISC I 09 10 23 31.9–1.3 37.19N–.04 28.62E–.04 21–3 25 0-1
CSEM I 09 10 23 31.9–.34 37.14N 28.65E 20 2.8 ¶12854555
DDA I 09 10 23 31.1 37.16N 28.61E 7 2.8
ISK I 09 10 23 31.4 36.99N 28.59E 14 2.3
ISCJB I 09 10 23 32.4–.66 37.23N–.05 28.61E–.05 24–9 2.3
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC I 09 12 19 14.0–1.0 39.89N–.05 40.67E–.03 10–9 25 0-2
ISK I 09 12 19 12.4 39.91N 40.63E 5 2.8 ¶12854554
ISCJB I 09 12 19 13.8–.68 39.85N–.05 40.68E–.04 2–8 2.8
CSEM I 09 12 19 13.4–.17 39.87N 40.66E 2 2.8
DDA I 09 12 19 13.8 39.91N 40.72E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.8km az=9.4.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.5km az=173.0.
DDA Event type ke.
ISC I 09 12 27 01.5–.99 37.84N–.02 27.58E–.02 12–8 55 0-2
ATH I 09 12 26 59.5 37.79N 27.73E 5 3.2 ¶12854553
ISK I 09 12 27 01.8 37.87N 27.57E 7 2.7
DDA I 09 12 27 01.4 37.84N 27.54E 12 2.7
CSEM I 09 12 27 02.2–.17 37.87N 27.58E 2 2.7
ISC Event type ke.
ATH Error ellipse: s-maj=10.4km s-min=14.7km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=122.0.
ISC I 09 13 01 07.8–1.2 37.83N–.04 27.60E–.03 4–10 32 0-2
DDA I 09 13 01 08.6 37.86N 27.56E 7 2.7 ¶14358080
CSEM I 09 13 01 09.0–.37 37.81N 27.61E 7–0 2.7
ATH I 09 13 01 09.4 37.75N 27.58E 10–0 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=7.1km az=163.0.
ATH Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
ISC I 09 13 32 49.6–1.1 36.81N–.04 30.33E–.03 5–10 37 0-2
DDA I 09 13 32 47.4 36.85N 30.54E 13 3.1 ¶12854552
ISK I 09 13 32 48.5 36.84N 30.30E 5 2.8
ISCJB I 09 13 32 50.0–.63 36.84N–.04 30.32E–.04 2–7 2.8
CSEM I 09 13 32 50.1–.29 36.87N 30.30E 2 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.5km az=148.9.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.8km az=154.0.
ISC I 09 15 02 30.0–.93 40.46N–.03 29.22E–.02 6–6 56 0-2
ISCJB I 09 15 02 29.9–.38 40.50N–.03 29.23E–.03 10–4 ¶12854550
CSEM I 09 15 02 29.9–.13 40.47N 29.23E 10 2.7
ISK I 09 15 02 29.4 40.46N 29.21E 4 2.7
DDA I 09 15 02 30.3 40.45N 29.20E 6 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=1.9.
CSEM Event type ke.
DDA Event type ke.
ISC I 09 21 11 17.3–.96 38.40N–.04 39.25E–.03 11–6 28 0-1
ISCJB I 09 21 11 17.7–.69 38.40N–.04 39.25E–.05 10–4 ¶12854545
CSEM I 09 21 11 17.4–.24 38.41N 39.24E 10 2.6
ISK I 09 21 11 17.6 38.40N 39.23E 8 2.6
DDA I 09 21 11 17.1 38.43N 39.23E 20 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.8km az=0.1.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=5.0km az=7.0.
DDA Event type ke.
ISC I 10 08 37 27.6–1.1 37.88N–.03 29.25E–.04 20–2 44 0-1
DDA I 10 08 37 26.9 37.91N 29.24E 2 2.6 ¶12854592
ISK I 10 08 37 26.5 37.82N 29.41E 8 2.6
ISCJB I 10 08 37 27.9–.47 37.89N–.03 29.23E–.06 23–6 2.6
CSEM I 10 08 37 27.0–.29 37.89N 29.27E 5 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.3km az=8.1.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.0km az=99.0.
ISC I 10 09 30 27.9–1.1 38.01N–.04 37.85E–.03 13–8 35 0-2
ISK I 10 09 30 27.7 38.10N 37.81E 5 2.7 ¶12854591
ISCJB I 10 09 30 28.2–.62 38.02N–.04 37.87E–.04 9–5 2.7
CSEM I 10 09 30 28.4–.14 38.06N 37.85E 10 2.9
DDA I 10 09 30 28.3 38.04N 37.88E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.5km az=150.9.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=156.0.
DDA Event type ke.
ISC I 10 10 00 41.3–1.1 39.95N–.03 39.98E–.03 4–11 25 0-1
DDA I 10 10 00 40.2 39.81N 39.99E 7 2.7 ¶12854590
CSEM I 10 10 00 40.6–.29 39.90N 39.99E 2 2.7
ISK I 10 10 00 40.6 39.99N 40.01E 13 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.8km az=177.0.
ISC I 10 11 49 31.9–1.3 41.21N–.06 36.38E–.04 14–8 38 0-2
ISK I 10 11 49 30.6 41.23N 36.43E 11 2.6 ¶12854586
DDA I 10 11 49 31.1 41.23N 36.38E 6 2.9
CSEM I 10 11 49 32.3–.35 41.18N 36.32E 8 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=4.3km az=23.0.
ISC I 10 12 25 19.5–.88 40.18N–.03 29.99E–.03 13–6 50 0-2
DDA I 10 12 25 18.6 40.21N 29.99E 7 2.5 ¶12854584
ISK I 10 12 25 18.6 40.15N 29.97E 17 2.8
ISCJB I 10 12 25 19.3–.44 40.22N–.03 30.02E–.03 10–4 2.8
CSEM I 10 12 25 19.3–.17 40.19N 29.99E 12 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=3.4.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=20.0.
ISC I 10 14 47 26.6–.00 37.20N–.04 27.92E–.02 11–9 34 0-2
ISK I 10 14 47 25.2 37.18N 27.93E 2 2.5 ¶12854579
DDA I 10 14 47 25.8 37.13N 27.95E 7 2.8
CSEM I 10 14 47 26.5–.22 37.21N 27.94E 2 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.9km az=11.0.
ISC I 10 17 35 36.2–1.1 37.93N–.03 29.22E–.04 11–14 22 0-1
DDA I 10 17 35 34.5 37.89N 29.27E 7 2.8 ¶12854569
ISCJB I 10 17 35 36.0–.69 37.95N–.04 29.23E–.07 5–15 2.8
CSEM I 10 17 35 35.9–.37 37.94N 29.26E 2 2.6
ISK I 10 17 35 35.9 37.98N 29.22E 5 2.6

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=4.6km az=25.8.
CSEM Event type ke. Error ellipse: s-maj=12.1km s-min=5.7km az=122.0.

ISC	**I**	**11 00 52 58.3–.95**	**37.88N–.03**	**29.27E–.04**	**13–8**		**36**	**0-1**
DDA	I	11 00 52 57.5	37.89N	29.30E	6	3.0		¶12854633
ISK	I	11 00 52 57.6	37.87N	29.28E	8	3.0		
CSEM	I	11 00 52 57.9–.13	37.87N	29.27E	10	3.0		
ISCJB	I	11 00 52 58.1–.65	37.87N–.03	29.29E–.06	9–5	3.0		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**I**	**11 01 51 41.6–1.2**	**40.29N–.02**	**32.14E–.02**	**0–9**	**3.8b**	**231**	**1-38**
ISK	I	11 01 51 39.8	40.27N	32.14E	5	4.0L		¶12081002
IDC	I	11 01 51 40.8–1.0	40.23N	32.05E	0	3.6b,3.6		
DDA	I	11 01 51 40.3	40.25N	32.09E	18	3.9,3.6		
CSEM	I	11 01 51 41.8–.10	40.28N	32.12E	2	4.0L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=9.6km az=38.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=29.0.

ISC	**I**	**11 02 44 03.1–1.2**	**37.88N–.07**	**29.26E–.08**	**28–11**		**20**	**0-1**
ISCJB	I	11 02 44 03.2–1.2	37.86N–.08	29.3E–.20	29–11			¶12854627
CSEM	I	11 02 44 03.0–.27	37.86N	29.28E	24–3	2.6		
DDA	I	11 02 44 03.9	37.89N	29.25E	7	2.8		
ISK	I	11 02 44 03.0	37.92N	29.25E	24	2.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.6km s-min=7.7km az=30.2.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=5.0km az=121.0.
DDA Event type ke.

ISC	**I**	**11 03 00 00.6–1.1**	**40.89N–.02**	**33.64E–.02**	**7–11**		**54**	**0-3**
ISK	I	11 02 59 59.8	40.90N	33.63E	8	2.9		¶12854626
ISCJB	I	11 03 00 00.6–.51	40.88N–.02	33.62E–.04	6–5	2.9		
CSEM	I	11 03 00 00.9–.14	40.89N	33.64E	10	2.9		
DDA	I	11 03 00 00.7	40.85N	33.67E	7	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=15.4.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=95.0.
DDA Event type ke.

ISC	**I**	**11 06 07 19.5–.83**	**40.60N–.02**	**29.00E–.02**	**13–6**		**144**	**0-6**
ISCJB	I	11 06 07 19.3–.31	40.63N–.02	29.01E–.02	9–3			¶12854621
CSEM	I	11 06 07 19.7–.11	40.62N	29.00E	8–1	3.2		
DDA	I	11 06 07 19.5	40.60N	29.00E	11	3.0		
ISK	I	11 06 07 19.1	40.61N	29.01E	11	3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=34.6.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=25.0.
DDA Event type ke.

ISC	**I**	**11 06 29 58.1–.93**	**37.83N–.02**	**27.54E–.02**	**12–7**	**3.2b**	**223**	**0-41**
ISK	I	11 06 29 56.7	37.83N	27.58E	5	3.9L		¶12081013
ATH	I	11 06 29 56.9	37.93N	27.59E	7	3.6		
DDA	I	11 06 29 57.5	37.86N	27.57E	7	3.5		
IDC	I	11 06 29 57.1–1.2	37.63N	27.76E	0	3.7,3.5b		
ISCJB	I	11 06 29 57.9–.45	37.84N–.01	27.54E–.02	9–3	3.5b,3.5b		
CSEM	I	11 06 29 59.5–.12	37.77N	27.48E	20	3.5,3.5b		
THE	I	11 06 30 00.1	37.87N	27.70E	31–6	3.8L,3.5b		

ISC Event type ke.
ATH Error ellipse: s-maj=5.6km s-min=7.7km az=-1.0.
DDA Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=21.4km az=171.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=159.5.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=58.0.
THE Event type ke. Error ellipse: s-maj=6.8km s-min=0.6km az=85.0.

ISC	**I**	**11 08 32 56.5–1.1**	**37.85N–.02**	**27.61E–.02**	**3–10**		**80**	**0-3**
ISCJB	I	11 08 32 56.9–.55	37.88N–.02	27.58E–.04	5–5			¶12854617
DDA	I	11 08 32 56.4	37.87N	27.57E	14	2.6		
ISK	I	11 08 32 56.7	37.88N	27.58E	4	3.1		
CSEM	I	11 08 32 57.1–.18	37.87N	27.58E	2	2.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=161.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=77.0.

ISC	**I**	**11 09 15 01.4–.00**	**37.87N–.03**	**29.31E–.04**	**13–9**		**28**	**0-1**
DDA	I	11 09 15 01.3	37.91N	29.25E	7	2.5		¶12854616
ISK	I	11 09 15 01.8	37.87N	29.37E	9	2.6		
CSEM	I	11 09 15 01.4–.35	37.86N	29.37E	5	2.5		
ISCJB	I	11 09 15 02.1–.57	37.90N–.03	29.28E–.06	15–5	2.5		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**I**	**11 09 37 09.3–1.1**	**37.02N–.03**	**28.24E–.03**	**6–8**		**46**	**0-2**
ISCJB	I	11 09 37 08.9–.72	36.99N–.04	28.24E–.04	3–7			¶12854615
ISK	I	11 09 37 08.2	37.00N	28.27E	4	2.7		
DDA	I	11 09 37 09.2	36.99N	28.19E	7	2.9		
CSEM	I	11 09 37 09.3–.27	37.02N	28.24E	8	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=21.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=22.0.

ISC	**I**	**11 12 11 37.1–.80**	**38.71N–.03**	**40.12E–.03**	**11**		**30**	**0-2**
ISK	I	11 12 11 36.0	38.68N	40.14E	11	2.8		¶12854612
ISCJB	I	11 12 11 37.3–.44	38.74N–.03	40.10E–.04	11	2.8		
DDA	I	11 12 11 37.2	38.68N	40.17E	7	2.8		
CSEM	I	11 12 11 38.2–.26	38.71N	40.03E	20	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=11.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.8km az=157.0.

ISC	**I**	**11 13 12 44.8–1.4**	**38.33N–.04**	**38.07E–.04**	**2–11**		**26**	**0-1**
CSEM	I	11 13 12 42.4–.27	38.20N	38.00E	2	2.6		¶12854609
ISK	I	11 13 12 44.0	38.19N	38.13E	10	2.6		
ISCJB	I	11 13 12 46.0–.78	38.32N–.04	38.16E–.04	3–8	2.6		
DDA	I	11 13 12 45.9	38.26N	38.29E	7	2.7		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.0km az=168.4.
DDA Event type ke.

ISC	**I**	**11 17 17 00.2–.87**	**37.49N–.03**	**34.85E–.04**	**13**		**29**	**0-2**
ISK	I	11 17 16 58.8	37.48N	34.79E	14	2.6		¶12854608
DDA	I	11 17 16 59.5	37.49N	34.88E	7	2.8		
ISCJB	I	11 17 17 00.7–.56	37.43N–.04	34.89E–.05	13	2.8		
CSEM	I	11 17 17 00.2–.32	37.47N	34.86E	10	2.8		

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.2km az=38.2.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=6.5km az=127.0.

ISC	**I**	**12 15 34 12.6–.97**	**38.83N–.02**	**39.11E–.03**	**10–9**		**44**	**0-1**
ISK	I	12 15 34 11.3	38.83N	39.10E	18	2.6		¶12854643
CSEM	I	12 15 34 12.3–.19	38.83N	39.10E	8	2.5		
DDA	I	12 15 34 12.5	38.83N	39.12E	7	3.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=103.0.
DDA Event type ke.

ISC	**I**	**12 16 42 23.9–.96**	**37.91N–.02**	**29.26E–.03**	**14–9**		**41**	**0-2**
ISCJB	I	12 16 42 23.7–.68	37.91N–.03	29.24E–.05	9–5			¶12854642
ISK	I	12 16 42 23.6	37.93N	29.25E	14	2.6		
DDA	I	12 16 42 23.2	37.91N	29.25E	7	2.8		
CSEM	I	12 16 42 23.6–.15	37.91N	29.27E	10	2.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=172.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=90.0.

ISC	**I**	**12 20 14 25.2–.90**	**38.45N–.03**	**39.10E–.03**	**13–6**		**30**	**0-2**
ISK	I	12 20 14 24.8	38.45N	39.08E	8	2.7		¶12854640
ISCJB	I	12 20 14 25.1–.56	38.45N–.05	39.10E–.04	11–4	2.7		
DDA	I	12 20 14 25.9	38.56N	38.90E	10	3.2L		
CSEM	I	12 20 14 25.0–.15	38.47N	39.10E	10	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.5km az=172.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=148.0.

ISC	**I**	**12 20 20 35.2–1.1**	**37.03N–.03**	**29.17E–.03**	**10–9**		**34**	**0-2**
ISK	I	12 20 20 33.8	36.99N	29.15E	24	2.4		¶12854639
DDA	I	12 20 20 34.7	37.01N	29.13E	7	2.9		
CSEM	I	12 20 20 34.8–.27	37.03N	29.17E	20	2.4		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=6.3km az=6.0.

ISC	**I**	**12 23 40 31.4–1.1**	**37.90N–.02**	**37.96E–.02**	**0–10**		**117**	**0-5**
NSSC	I	12 23 40 24.8–2.3	38.20N	38.43E	0–504	3.5L,3.2		¶12854634
ISK	I	12 23 40 31.2	37.91N	37.96E	5	3.7,3.2		
DDA	I	12 23 40 31.4	37.93N	37.93E	22	3.5,3.2		
CSEM	I	12 23 40 31.9–.11	37.88N	37.98E	2	3.5,3.2		

ISC Event type ke.
NSSC Error ellipse: s-maj=472.6km s-min=226.7km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=122.0.

ISC	**I**	**13 00 11 46.4–.89**	**37.25N–.02**	**28.56E–.02**	**14–8**		**45**	**0-2**
ISK	I	13 00 11 45.6	37.21N	28.58E	9	2.7		¶12854675
DDA	I	13 00 11 46.2	37.26N	28.52E	7	3.1		
CSEM	I	13 00 11 46.5–.17	37.24N	28.58E	10	2.7		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.8km az=165.0.

ISK	**I**	**13 01 29 32.9**	**40.51N**	**34.58E**	**4**	**2.5**		
CSEM	I	13 01 29 32.9	40.51N	34.58E	4	2.5		¶12854674

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.

ISC	**I**	**13 03 32 31.7–.99**	**37.92N–.02**	**37.96E–.03**	**10–10**		**40**	**0-2**
ISCJB	I	13 03 32 31.3–.51	37.92N–.02	37.96E–.05	1–7			¶12854668
DDA	I	13 03 32 31.3	37.90N	37.95E	7	2.8		
CSEM	I	13 03 32 31.8–.16	37.93N	37.98E	5	2.8		
ISK	I	13 03 32 31.2	37.96N	37.93E	6	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.5km az=23.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=119.0.

ISC	**I**	**13 04 12 17.9–.97**	**39.87N–.03**	**40.40E–.02**	**11–7**		**47**	**0-2**
ISK	I	13 04 12 16.5	39.87N	40.40E	2	2.9		¶12854667
CSEM	I	13 04 12 17.3–.18	39.84N	40.41E	1–1	3.0		
DDA	I	13 04 12 17.3	39.87N	40.38E	15	3.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=175.0.
DDA Event type ke.

ISK	**I**	**13 10 13 03.4**	**37.29N**	**28.21E**	**5**	**2.7**		
CSEM	I	13 10 13 03.4	37.29N	28.21E	5	2.7		¶12854663

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.

ISC	**I**	**13 18 45 21.3–.90**	**40.62N–.03**	**29.01E–.03**	**15–6**		**40**	**0-2**
ISK	I	13 18 45 20.7	40.61N	29.01E	17	2.7		¶12854659
ISCJB	I	13 18 45 21.5–.47	40.65N–.03	29.00E–.05	10–4	2.7		
CSEM	I	13 18 45 21.6–.24	40.64N	28.99E	12	2.7		
DDA	I	13 18 45 22.3	40.59N	29.01E	9	2.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.0km az=43.8.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=133.0.
DDA Event type ke.

ISC	**I**	**14 12 40 59.1–.96**	**39.11N–.02**	**27.60E–.03**	**11–9**		**40**	**0-2**
ISK	I	14 12 40 57.8	39.12N	27.61E	5	2.7		¶12854687
ISCJB	I	14 12 40 58.9–.57	39.11N–.03	27.56E–.05	7–7	2.7		
DDA	I	14 12 40 59.0	39.12N	27.59E	7	2.8		
CSEM	I	14 12 40 59.0–.20	39.11N	27.60E	8	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=169.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.9km az=84.0.

ISC	**I**	**14 13 11 53.7–1.1**	**37.82N–.03**	**38.22E–.05**	**7–11**		**25**	**0-1**
ISCJB	I	14 13 11 53.8–.65	37.80N–.03	38.27E–.07	3–11			¶12854686
DDA	I	14 13 11 53.2	37.79N	38.28E	7	2.8		
CSEM	I	14 13 11 53.8–.13	37.80N	38.28E	2	2.8		
ISK	I	14 13 11 54.1	37.85N	38.29E	4	2.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.2km az=5.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=110.0.

ISC	**I**	**14 16 45 09.2–.90**	**38.42N–.03**	**39.07E–.02**	**11–5**		**43**	**0-2**
ISK	I	14 16 45 07.7	38.44N	39.06E	2	2.8		¶12854684
DDA	I	14 16 45 08.4	38.43N	39.07E	15	3.5L		
ISCJB	I	14 16 45 09.1–.46	38.44N–.04	39.07E–.03	10–3	3.5L		
CSEM	I	14 16 45 09.1–.19	38.43N	39.05E	5	3.5L		

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=179.0.

ISC	**I**	**14 23 38 39.3–.93**	**38.57N–.03**	**43.07E–.03**	**18–6**		**37**	**0-3**
ISK	I	14 23 38 37.9	38.60N	42.97E	9	3.1		¶12854680
ISCJB	I	14 23 38 38.7–.67	38.60N–.04	43.02E–.06	12–8	3.1		
CSEM	I	14 23 38 38.4–.30	38.57N	42.99E	15	3.1		
DDA	I	14 23 38 40.3	38.47N	43.02E	11	3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.8km az=155.3.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.5km az=42.0.
DDA Event type ke.

ISC	**I**	**15 02 34 13.8–1.0**	**37.60N–.03**	**38.77E–.04**	**7–11**		**26**	**0-1**
ISK	I	15 02 34 11.6	37.53N	38.66E	20	2.3		¶12854718
ISCJB	I	15 02 34 13.7–.64	37.60N–.04	38.73E–.04	3–9	2.3		
DDA	I	15 02 34 13.7	37.65N	38.74E	7	2.8		
CSEM	I	15 02 34 13.4–.24	37.59N	38.74E	10	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.8km az=177.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=115.0.

ISC	**I**	**15 06 55 06.1–.90**	**37.44N–.02**	**38.61E–.02**	**9–7**		**56**	**0-2**
ISK	I	15 06 55 04.7	37.36N	38.59E	8	2.9		¶12854697
DDA	I	15 06 55 05.7	37.48N	38.61E	7	3.0		
CSEM	I	15 06 55 05.9–.17	37.43N	38.59E	5	2.9		
ISCJB	I	15 06 55 06.1–.57	37.42N–.03	38.60E–.03	5–4	2.9		
NSSC	I	15 06 55 07.6–.86	37.34N	38.61E	11–7	2.3L,2.2		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=13.6.
NSSC Error ellipse: s-maj=7.0km s-min=2.8km az=-1.0.

ISC	**I**	**15 11 58 14.8–1.0**	**40.90N–.04**	**30.38E–.02**	**13–10**		**50**	**0-3**
ISK	I	15 11 58 14.4	40.88N	30.39E	5	2.1L		¶12854714
CSEM	I	15 11 58 15.3–.20	40.84N	30.35E	10	3.0		
DDA	I	15 11 58 19.5	40.69N	30.95E	20	3.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=13.0.
DDA Event type ke.

ISC	**I**	**15 13 29 04.4–1.0**	**39.89N–.03**	**33.02E–.03**	**9–9**		**28**	**0-2**
ISK	I	15 13 29 03.0	39.94N	33.04E	9	1.8L		¶12854713

DDA I 15 13 29 03.8 39.87N 32.96E 7 2.8
ISCJB I 15 13 29 04.5–.58 39.89N–.03 32.99E–.05 8–7 2.8
CSEM I 15 13 29 04.3–.30 39.87N 33.01E 10 1.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.5km az=178.8.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=6.4km az=114.0.
ISC I 15 13 38 02.3–1.2 37.44N–.08 38.41E–.08 0–12 22 1-2
ISK I 15 13 37 57.4 38.54N 37.15E 28 1.5L **¶12854711**
DDA I 15 13 37 59.9 37.27N 38.63E 5 2.9
CSEM I 15 13 38 00.8–1.3 37.34N 38.53E 5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=36.5km s-min=11.7km az=130.0.
ISC I 15 15 36 37.8–1.2 38.71N–.03 33.69E–.03 5–11 36 1-2
ISCJB I 15 15 36 37.9–.69 38.72N–.03 33.70E–.04 3–7 **¶12854710**
ISK I 15 15 36 37.4 38.73N 33.72E 7 2.7
DDA I 15 15 36 37.8 38.69N 33.71E 7 3.0
CSEM I 15 15 36 38.0–.19 38.71N 33.69E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=23.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=124.0.
ISC I 15 16 11 13.8–1.1 39.55N–.02 34.79E–.02 3–10 71 0-3
ISK I 15 16 11 12.3 39.55N 34.80E 2 3.0 **¶12854708**
DDA I 15 16 11 13.3 39.54N 34.78E 7 3.0
CSEM I 15 16 11 13.3–.13 39.54N 34.78E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=178.0.
ISC I 15 18 31 40.0–.85 37.52N–.04 35.73E–.03 15–5 32 0-2
ISK I 15 18 31 39.2 37.58N 35.70E 9 2.0L **¶12854706**
DDA I 15 18 31 39.4 37.51N 35.74E 7 2.9
ISCJB I 15 18 31 40.2–.59 37.50N–.04 35.74E–.04 13–4 2.9
CSEM I 15 18 31 40.0–.16 37.51N 35.74E 15 2.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.7km az=167.9.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=155.0.
ISC I 15 18 43 59.3–1.1 37.89N–.02 27.21E–.03 5–10 60 0-3
ISK I 15 18 43 58.3 37.91N 27.24E 5 3.2 **¶12854705**
DDA I 15 18 43 58.7 37.91N 27.21E 7 2.7
CSEM I 15 18 43 59.4–.14 37.88N 27.24E 2 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=77.0.
ISC I 15 19 40 33.3–1.1 37.89N–.02 27.29E–.03 2–13 62 0-3
ISK I 15 19 40 32.4 37.92N 27.22E 5 3.1 **¶12854704**
DDA I 15 19 40 32.5 37.90N 27.18E 11 2.8
CSEM I 15 19 40 33.5–.15 37.89N 27.25E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=88.0.
ISC I 15 20 23 24.4–1.1 38.86N–.02 35.56E–.02 0–8 3.8b 177 0-76
DDA I 15 20 23 23.8 38.86N 35.54E 1 3.9L,3.7 **¶12081362**
ISK I 15 20 23 24.3 38.86N 35.53E 6 3.9L,3.7
CSEM I 15 20 23 25.3–.11 38.86N 35.53E 2 3.9L,3.7
IDC I 15 20 23 28.9–5.9 38.67N 35.67E 22–42 3.7b,3.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=11.0.
IDC Error ellipse: s-maj=16.8km s-min=12.4km az=6.0.
ISK I 15 20 53 14.5 40.71N 29.18E 6 2.9
DDA I 15 20 53 14.4 40.71N 29.19E 18 2.9 **¶12854703**
CSEM I 15 20 53 15.1–.07 40.71N 29.19E 5 2.9
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=43.0.
ISK I 15 21 19 51.4 37.89N 29.47E 5 3.3
CSEM I 15 21 19 52.9–.11 37.88N 29.46E 5 3.0 **¶12854702**
DDA I 15 21 19 53.0 37.93N 29.44E 15 3.0
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=53.0.
DDA Event type ke.
ISC I 15 22 35 00.5–1.1 37.99N–.03 37.85E–.04 7–10 31 0-2
DDA I 15 22 34 59.5 38.00N 37.78E 7 3.0 **¶12854700**
ISCJB I 15 22 35 00.9–.55 37.98N–.03 37.90E–.04 10–6 3.0
CSEM I 15 22 35 00.1–.33 37.98N 37.83E 5 3.0
ISK I 15 22 35 01.1 38.00N 37.93E 6 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.4km az=44.8.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.5km az=77.0.
ISC I 16 08 11 05.4–1.1 39.33N–.03 41.93E–.03 24–13 33 0-2
CSEM I 16 08 11 03.0–.31 39.23N 41.84E 5 2.1L **¶12854746**
ISK I 16 08 11 04.6 39.36N 41.94E 21 2.1L
DDA I 16 08 11 05.2 39.35N 41.95E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.1km az=179.0.
DDA Event type ke.
ISC I 16 10 29 08.6–1.5 40.2N–.10 27.91E–.04 7–12 22 1-1
CSEM I 16 10 29 07.9–.31 40.14N 27.92E 8 1.9L **¶12854740**
DDA I 16 10 29 08.4 40.51N 28.05E 7 2.6
ISK I 16 10 29 08.3 40.20N 27.89E 12 1.9L
ISCJB I 16 10 29 09.1–1.1 40.3N–.10 27.89E–.06 9–8 1.9L
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC I 16 15 19 05.8–.95 36.76N–.03 35.97E–.03 13–8 31 0-1
ISCJB I 16 15 19 05.5–.51 36.76N–.03 35.99E–.04 9–12 **¶12854730**
ISK I 16 15 19 05.0 36.76N 36.00E 11 2.0L
CSEM I 16 15 19 05.4–.14 36.75N 35.95E 10 2.0L
DDA I 16 15 19 06.6 36.71N 36.04E 7 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=177.9.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=78.0.
DDA Event type ke.
ISC I 16 17 27 19.4–1.2 40.03N–.03 29.09E–.03 4–12 38 0-1
ISK I 16 17 27 18.9 40.04N 29.10E 5 1.7L **¶12854727**
ISCJB I 16 17 27 19.1–.75 40.05N–.05 29.11E–.04 1–11 1.7L
DDA I 16 17 27 19.4 40.09N 29.05E 7 2.8
CSEM I 16 17 27 19.3–.09 40.04N 29.09E 10 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.3km az=174.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=63.0.
ISC I 16 19 43 15.6–1.5 37.42N–.06 38.56E–.05 12–9 35 0-2
CSEM I 16 19 43 14.9–.28 37.38N 38.60E 5 2.9 **¶12854724**
ISK I 16 19 43 16.0 37.47N 38.49E 8 2.9
DDA I 16 19 43 16.3 37.46N 38.58E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.3km az=132.0.
DDA Event type ke.
ISC I 16 23 18 58.1–1.3 39.02N–.04 41.93E–.03 0–14 31 0-2
ISK I 16 23 18 57.1 39.01N 41.92E 5 2.0L **¶12854721**
ISCJB I 16 23 18 58.6–.69 39.03N–.04 41.94E–.04 4–8 2.0L
DDA I 16 23 18 58.3 39.02N 41.85E 46 3.2
CSEM I 16 23 18 58.6–.22 39.07N 41.93E 2 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.8km az=172.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=21.0.

ISC I 16 23 40 24.7–1.4 37.03N–.05 36.64E–.04 0–15 28 0-3
ISK I 16 23 40 24.7 36.93N 36.76E 8 1.8L **¶12854720**
ISCJB I 16 23 40 25.6–.71 36.96N–.04 36.71E–.05 10–7 1.8L
DDA I 16 23 40 25.0 36.98N 36.64E 7 2.9L
CSEM I 16 23 40 25.7–.26 36.95N 36.73E 10 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.8km az=26.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=5.6km az=172.0.
ISC I 17 06 46 28.4–1.1 38.44N–.04 39.12E–.03 15–7 28 0-1
ISCJB I 17 06 46 28.6–.74 38.46N–.04 39.12E–.05 13–5 **¶12854765**
ISK I 17 06 46 28.4 38.47N 39.10E 5 2.5
CSEM I 17 06 46 28.4–.12 38.46N 39.11E 12 2.6
DDA I 17 06 46 30.5 38.49N 38.91E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.6km az=153.9.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=156.0.
DDA Event type ke.
ISC I 17 07 45 27.7–.36 37.14N–.02 36.36E–.02 14–2 4.5b,3.8s 658 1-95
BJI I 17 07 45 23.9 37.13N 36.15E 11 5.1b,4.8s **¶13405779**
ISK I 17 07 45 25.4 37.09N 36.36E 14 4.5L,4.8s
IDC I 17 07 45 25.3–.57 37.12N 36.36E 0 4.2,4.1
DDA I 17 07 45 26.0 37.17N 36.31E 8 4.6L,4.1
MOS I 17 07 45 25.8–.97 37.21N 36.36E 10 4.5b,4.1
ISCJB I 17 07 45 26.1–.39 37.13N–.01 36.32E–.01 15–2 4.5b,4.0s
NEIC I 17 07 45 26.8 37.10N 36.31E 6 4.6b,4.5L
NIC I 17 07 45 27.9–.30 37.60N 35.68E 86 4.7b,4.5L
CSEM I 17 07 45 27.2–.07 37.13N 36.36E 10 5.0s,4.7b
NSSC I 17 07 45 27.5–2.4 37.18N 36.35E 21–16 4.3L,4.7b
HLW I 17 07 45 30.6 37.26N 36.10E 33–26 4.2L,0.0
ISC Event type fe.
IDC Error ellipse: s-maj=11.1km s-min=10.2km az=52.0.
DDA Event type ke.
MOS Error ellipse: s-maj=6.8km s-min=4.5km az=98.2.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.9km az=166.9.
NEIC Event type fe. Felt at Adana, Gaziantep and Osmaniye. Felt at Aleppo, Syria. After ISK.
NIC Moment Tensor Solution. $M_0 1.30000 \times 10^{15}$
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=120.0.
NSSC Error ellipse: s-maj=12.6km s-min=15.8km az=-1.0.
ISC I 17 09 34 26.8–1.0 37.14N–.02 36.35E–.02 9–9 48 0-2
ISK I 17 09 34 26.1 37.14N 36.36E 9 2.1L **¶12854762**
DDA I 17 09 34 26.6 37.14N 36.36E 7 2.8
CSEM I 17 09 34 26.7–.15 37.14N 36.34E 5 2.1L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=157.0.
ISC I 17 12 37 15.7–1.1 37.17N–.02 36.20E–.03 7–12 42 0-2
DDA I 17 12 37 15.1 37.16N 36.17E 7 2.8 **¶12854759**
CSEM I 17 12 37 15.4–.18 37.16N 36.17E 2 2.1L
ISK I 17 12 37 16.5 37.28N 36.25E 8 2.1L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=64.0.
ISC I 17 12 42 17.1–1.1 37.13N–.02 36.33E–.02 6–9 70 0-3
ISCJB I 17 12 42 16.6–.52 37.13N–.02 36.34E–.03 1–4 **¶12854753**
DDA I 17 12 42 16.4 37.16N 36.33E 9 3.0
CSEM I 17 12 42 16.9–.11 37.14N 36.32E 2 3.0
ISK I 17 12 42 16.4 37.14N 36.33E 5 3.0
NSSC I 17 12 42 19.6–1.0 37.05N 36.38E 20–8 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=18.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=119.0.
NSSC Error ellipse: s-maj=5.9km s-min=9.3km az=-1.0.
ISC I 17 14 32 59.5–.98 39.53N–.02 29.12E–.02 11–9 60 1-2
ISK I 17 14 32 58.9 39.52N 29.12E 5 2.8,2.3L **¶12854758**
ISCJB I 17 14 32 59.3–.43 39.53N–.02 29.12E–.03 1–6 2.8,2.3L
DDA I 17 14 32 59.1 39.54N 29.14E 7 2.9,2.3L
CSEM I 17 14 32 59.6–.10 39.54N 29.12E 5 2.9,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=1.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=92.0.
ISC I 17 15 03 56.9–.89 37.21N–.03 28.22E–.04 16–6 26 0-1
ISK I 17 15 03 55.5 37.29N 28.12E 5 1.9L **¶12854757**
DDA I 17 15 03 56.9 37.21N 28.20E 7 2.5
ISCJB I 17 15 03 57.2–.57 37.20N–.04 28.19E–.05 11–6 2.5
CSEM I 17 15 03 57.3–.29 37.23N 28.21E 10 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.4km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=5.5km az=53.0.
ISC I 17 22 28 14.7–1.0 37.16N–.02 36.32E–.02 7–9 92 0-3
ISCJB I 17 22 28 14.3–.48 37.16N–.02 36.35E–.03 4–4 **¶12854752**
CSEM I 17 22 28 14.7–.09 37.17N 36.33E 8 3.3
DDA I 17 22 28 14.1 37.16N 36.31E 7 3.2
ISK I 17 22 28 14.1 37.18N 36.35E 8 3.3
NSSC I 17 22 28 15.9–2.0 37.04N 36.46E 0–12 2.5L,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=29.9.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=125.0.
DDA Event type ke.
NSSC Error ellipse: s-maj=9.0km s-min=11.2km az=-1.0.
ISC I 17 23 38 45.1–1.0 40.77N–.03 41.15E–.02 8–10 57 0-2
ISK I 17 23 38 43.8 40.77N 41.15E 2 2.3L **¶12854754**
ISCJB I 17 23 38 44.7–.48 40.77N–.02 41.15E–.03 1–7 2.3L
DDA I 17 23 38 44.8 40.81N 41.13E 5 3.0
CSEM I 17 23 38 44.9–.17 40.75N 41.15E 2 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.0km az=23.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=143.0.
ISC I 18 06 06 07.1–1.2 38.79N–.03 39.98E–.03 13–10 50 0-2
DDA I 18 06 06 06.9 38.76N 39.98E 16 2.8 **¶12854779**
ISK I 18 06 06 06.4 38.79N 39.98E 23 3.0
ISCJB I 18 06 06 07.0–.54 38.79N–.03 39.98E–.03 12–5 3.0
CSEM I 18 06 06 08.0–.25 38.80N 39.91E 30 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=180.0.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=5.3km az=151.0.
ISC I 18 12 05 35.3–1.1 37.17N–.03 36.32E–.02 5–10 53 0-3
ISK I 18 12 05 33.9 37.17N 36.32E 5 3.0 **¶12854776**
DDA I 18 12 05 34.7 37.17N 36.33E 7 2.9
CSEM I 18 12 05 35.3–.12 37.16N 36.32E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=157.0.
ISC I 18 18 01 30.7–1.0 38.16N–.02 27.17E–.03 6–10 54 0-2
ISCJB I 18 18 01 30.6–.52 38.16N–.02 27.16E–.04 4–5 **¶12854771**
ISK I 18 18 01 30.3 38.19N 27.17E 4 1.8L
DDA I 18 18 01 30.4 38.18N 27.12E 5 2.8
CSEM I 18 18 01 30.9–.17 38.16N 27.16E 5 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=178.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=87.0.
ISC I 18 18 42 40.3–1.2 37.48N–.02 29.76E–.02 2–10 3.2b 129 1-39
ISK I 18 18 42 39.8 37.46N 29.74E 9 3.4 **¶12081663**
ISCJB I 18 18 42 40.2–.49 37.49N–.02 29.77E–.02 6–5 3.3b
DDA I 18 18 42 40.3 37.51N 29.74E 21 3.4

CSEM I 18 18 42 40.6–.11 37.47N 29.75E 5 3.4
IDC I 18 18 42 41.6–1.6 36.91N 30.65E 0 3.3b,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=9.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=41.0.
IDC Error ellipse: s-maj=137.0km s-min=23.2km az=140.0.
ISC I 18 18 46 21.2–.93 36.78N–.03 35.94E–.04 28–8 35 0-2
ISK I 18 18 46 19.7 36.75N 36.05E 17 1.6L **¶12854770**
ISCJB I 18 18 46 21.4–.59 36.79N–.03 35.94E–.05 25–7 1.6L
DDA I 18 18 46 21.9 36.74N 35.97E 7 2.9
CSEM I 18 18 46 21.3–.34 36.79N 36.00E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.3km az=177.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=6.3km az=97.0.
ISC I 18 19 39 13.4–1.1 38.82N–.02 31.42E–.02 5–8 3.4b 321 0-53
DDA I 18 19 39 11.9 38.77N 31.41E 23 3.7 **¶12081666**
ISCJB I 18 19 39 12.4–.45 38.85N–.02 31.39E–.02 6–3 3.4b
ISK I 18 19 39 12.0 38.83N 31.40E 3 4.0L
IDC I 18 19 39 12.3–1.2 38.96N 31.32E 0 3.6L,3.5b
CSEM I 18 19 39 13.3–.06 38.83N 31.39E 2 3.7,3.5b
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=9.0.
IDC Error ellipse: s-maj=18.9km s-min=15.8km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=18.0.
ISC I 19 01 57 15.6–.96 37.83N–.02 27.54E–.02 9–9 79 0-3
ISCJB I 19 01 57 14.9–.44 37.82N–.02 27.52E–.03 3–5 **¶12854821**
ISK I 19 01 57 14.6 37.83N 27.53E 7 3.1
DDA I 19 01 57 15.2 37.82N 27.54E 7 2.8
CSEM I 19 01 57 15.4–.14 37.81N 27.54E 5 2.8
ATH I 19 01 57 16.4 37.82N 27.49E 10–2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=42.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=51.0.
ATH Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
ISC I 19 02 20 30.7–.91 38.14N–.03 38.54E–.02 13–7 46 0-2
ISCJB I 19 02 20 30.6–.56 38.13N–.03 38.54E–.03 2–6 **¶12854818**
ISK I 19 02 20 30.1 38.13N 38.54E 11 2.9
DDA I 19 02 20 30.4 38.12N 38.53E 5 3.0
CSEM I 19 02 20 30.7–.12 38.13N 38.53E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=145.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=142.0.
ISC I 19 05 16 13.0–1.1 37.17N–.03 36.34E–.02 6–11 39 0-3
ISK I 19 05 16 12.3 37.20N 36.34E 2 2.1L **¶12854814**
DDA I 19 05 16 12.7 37.17N 36.34E 7 3.0
CSEM I 19 05 16 13.0–.13 37.17N 36.32E 2 2.1L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=157.0.
ISC I 19 08 09 02.5–2.7 37.8N–.10 35.90E–.04 12–12 20 0-1
CSEM I 19 08 09 04.5–1.2 37.78N 35.88E 10 1.7L **¶12854813**
DDA I 19 08 09 04.8 37.57N 35.93E 7 2.8
ISK I 19 08 09 09.2 37.51N 35.68E 3 1.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=24.1km s-min=12.2km az=179.0.
DDA Event type ke.
ISC I 19 09 40 39.1–1.3 37.12N–.03 38.73E–.03 0–11 56 0-2
DDA I 19 09 40 38.5 37.12N 38.73E 13 3.1 **¶12854812**
ISK I 19 09 40 38.5 37.15N 38.71E 2 3.1
CSEM I 19 09 40 39.1–.17 37.14N 38.73E 5 2.6L
NSSC I 19 09 40 40.4–.82 35.26N 40.49E 0–23 2.7L,2.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=70.0.
NSSC Error ellipse: s-maj=10.2km s-min=15.8km az=-1.0.
ISC I 19 10 40 30.2–1.1 39.12N–.02 40.41E–.02 4–10 57 0-2
CSEM I 19 10 40 29.6–.13 39.13N 40.39E 2 3.1 **¶12854810**
DDA I 19 10 40 30.0 39.16N 40.39E 6 3.2
ISK I 19 10 40 29.1 39.10N 40.41E 4 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=137.0.
DDA Event type ke.
ISC I 19 13 24 57.4–.81 37.16N–.04 27.92E–.02 12 29 0-2
ISK I 19 13 24 55.3 37.25N 27.93E 5 1.9L **¶12854808**
DDA I 19 13 24 56.6 37.11N 27.93E 7 2.8
ISCJB I 19 13 24 57.5–.55 37.14N–.04 27.92E–.03 12 2.8
CSEM I 19 13 24 57.4–.20 37.10N 27.93E 5 1.9L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=8.5.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=12.0.
ISC I 19 18 21 36.1–.97 40.69N–.03 35.31E–.02 13–10 60 0-3
ISK I 19 18 21 35.4 40.68N 35.31E 9 2.9 **¶12854802**
DDA I 19 18 21 35.5 40.69N 35.28E 6 3.1L
CSEM I 19 18 21 35.9–.16 40.68N 35.30E 2 3.1L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=165.0.
ISC I 19 18 58 19.1–1.1 37.46N–.02 29.79E–.02 4–10 87 1-4
ISK I 19 18 58 18.4 37.43N 29.81E 7 3.3 **¶12854800**
DDA I 19 18 58 18.3 37.51N 29.83E 23 3.3L
CSEM I 19 18 58 18.8–.12 37.46N 29.79E 2 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=47.0.
ISC I 19 19 30 49.8–.85 38.62N–.02 27.02E–.02 15–7 100 0-3
ATH I 19 19 30 47.3 38.62N 26.75E 92–3 **¶12854798**
DDA I 19 19 30 48.3 38.61N 27.02E 5 3.0L
ISCJB I 19 19 30 49.8–.47 38.62N–.02 27.02E–.03 9–4 3.0L
ISK I 19 19 30 49.7 38.62N 27.02E 9 3.0
CSEM I 19 19 30 49.6–.13 38.62N 27.02E 2 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=3.3km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=22.4.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=88.0.
ISC I 19 19 49 24.5–.80 38.60N–.02 27.03E–.03 12 66 0-2
DDA I 19 19 49 21.9 38.58N 27.01E 5 2.8 **¶12854797**
ISCJB I 19 19 49 24.5–.40 38.59N–.02 26.99E–.04 12 2.8
ISK I 19 19 49 24.0 38.62N 26.95E 10 2.8
CSEM I 19 19 49 25.0–.16 38.55N 26.98E 20 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=171.8.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=74.0.
ISC I 19 22 01 07.3–.97 40.68N–.02 35.30E–.02 11–10 67 0-2
ISK I 19 22 01 06.5 40.68N 35.33E 5 2.7 **¶12854795**
DDA I 19 22 01 06.5 40.68N 35.29E 7 3.1L
CSEM I 19 22 01 07.1–.15 40.69N 35.31E 2 3.1L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=167.0.
ISK I 19 22 04 55.9 40.70N 35.31E 4 2.2L
CSEM I 19 22 04 56.7–.23 40.69N 35.32E 2 2.3L **¶12854794**
DDA I 19 22 04 56.1 40.67N 35.31E 7 2.5,2.3L
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=152.0.

DDA Event type ke.
ISC I 19 22 11 55.5–.94 40.70N–.02 35.31E–.02 14–8 74 0-3
ISK I 19 22 11 54.7 40.70N 35.30E 12 2.9 **¶12854792**
DDA I 19 22 11 55.1 40.70N 35.28E 13 3.1L
CSEM I 19 22 11 55.3–.15 40.70N 35.30E 5 3.1L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=163.0.
ISC I 19 22 16 27.6–.92 39.50N–.02 27.55E–.02 10–9 78 0-2
ISK I 19 22 16 26.8 39.49N 27.56E 9 2.9 **¶12854791**
ISCJB I 19 22 16 27.2–.43 39.51N–.02 27.54E–.03 3–4 2.9
DDA I 19 22 16 27.3 39.52N 27.54E 7 2.9L
CSEM I 19 22 16 27.6–.11 39.51N 27.55E 8 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=4.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=84.0.
ISC I 20 01 57 45.0–1.1 37.02N–.02 29.17E–.02 2–10 78 0-5
ISCJB I 20 01 57 44.8–.56 37.00N–.02 29.16E–.03 3–5 **¶12854854**
ISK I 20 01 57 44.3 36.99N 29.16E 8 3.2
CSEM I 20 01 57 44.9–.13 37.00N 29.17E 5 3.2
DDA I 20 01 57 45.1 37.02N 29.14E 8 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=155.2.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=24.0.
DDA Event type ke.
ISC I 20 05 15 44.2–.86 39.20N–.02 29.45E–.02 8–6 3.5b 197 0-39
ISCJB I 20 05 15 43.5–.44 39.20N–.02 29.45E–.02 3–4 3.7s,3.4b **¶12081835**
IDC I 20 05 15 43.2–1.4 39.22N 29.27E 0 3.8,3.8s
DDA I 20 05 15 43.6 39.19N 29.45E 14 3.8L,3.8s
ISK I 20 05 15 43.4 39.19N 29.47E 6 3.7L,3.8s
CSEM I 20 05 15 44.0–.08 39.20N 29.46E 2 3.8L,3.8s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=154.2.
IDC Error ellipse: s-maj=35.3km s-min=17.3km az=163.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=74.0.
ISC I 20 06 06 45.9–1.2 36.91N–.03 29.34E–.03 2–14 27 0-2
ISK I 20 06 06 45.3 36.83N 29.35E 16 2.8 **¶12854852**
DDA I 20 06 06 45.6 36.90N 29.32E 9 3.0
CSEM I 20 06 06 45.7–.22 36.90N 29.34E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=15.0.
ISC I 20 06 42 49.5–.87 39.43N–.03 40.40E–.03 10 28 0-1
ISK I 20 06 42 47.6 39.45N 40.38E 5 2.9 **¶12854851**
ISCJB I 20 06 42 48.9–.51 39.43N–.03 40.39E–.05 10 2.9
DDA I 20 06 42 48.8 39.41N 40.26E 8 3.0
CSEM I 20 06 42 48.7–.31 39.42N 40.40E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=172.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=5.4km az=110.0.
ISC I 20 06 49 18.4–1.1 37.08N–.04 35.87E–.03 18–4 34 0-1
ISK I 20 06 49 17.6 37.08N 35.90E 22 2.2L **¶12854850**
DDA I 20 06 49 17.8 37.08N 35.88E 8 2.9
CSEM I 20 06 49 18.4–.23 37.09N 35.86E 20 2.2L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=5.1km az=29.0.
ISC I 20 07 29 59.7–1.0 38.66N–.03 39.10E–.04 13–10 22 0-1
ISK I 20 07 29 58.6 38.64N 39.22E 26 2.6 **¶12854849**
ISCJB I 20 07 29 59.7–1.4 38.66N–.04 39.15E–.07 18–15 2.6
CSEM I 20 07 29 59.6–.32 38.68N 39.13E 2 2.6
DDA I 20 07 30 00.1 38.66N 39.07E 7 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=7.2km az=18.1.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=6.3km az=91.0.
DDA Event type ke.
ISC I 20 10 02 17.8–1.2 37.14N–.02 36.34E–.02 3–12 59 0-3
ISK I 20 10 02 16.5 37.15N 36.34E 5 3.1 **¶12854825**
DDA I 20 10 02 17.8 37.13N 36.35E 7 3.2
CSEM I 20 10 02 17.9–.09 37.14N 36.32E 2 3.1
NSSC I 20 10 02 21.1–1.3 37.00N 36.40E 7–19 2.6L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=133.0.
NSSC Error ellipse: s-maj=14.5km s-min=9.3km az=-1.0.
ISC I 20 10 43 22.3–1.0 37.84N–.02 27.57E–.03 9–10 34 0-3
ISCJB I 20 10 43 21.8–.51 37.84N–.03 27.58E–.05 6–8 **¶12854847**
DDA I 20 10 43 21.8 37.82N 27.57E 7 2.9
ISK I 20 10 43 21.6 37.85N 27.58E 8 2.8
CSEM I 20 10 43 22.0–.14 37.83N 27.59E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.8km az=164.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=91.0.
ISC I 20 12 24 58.0–.87 38.61N–.02 27.01E–.03 16–7 50 0-2
ISK I 20 12 24 57.7 38.60N 27.00E 15 2.7 **¶12854846**
DDA I 20 12 24 57.5 38.60N 27.02E 9 2.8
ISCJB I 20 12 24 58.0–.55 38.61N–.03 27.00E–.04 11–5 2.8
CSEM I 20 12 24 58.0–.09 38.61N 27.00E 13–1 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=162.5.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=87.0.
ISC I 20 12 37 39.4–1.0 38.60N–.02 27.01E–.03 18–2 40 0-2
ISCJB I 20 12 37 39.6–.59 38.62N–.03 27.02E–.04 9–6 **¶12854845**
ISK I 20 12 37 39.2 38.60N 26.99E 16 2.6
DDA I 20 12 37 39.3 38.60N 27.02E 8 2.8
CSEM I 20 12 37 39.6–.08 38.61N 27.00E 15 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.2km az=146.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=95.0.
ISC I 20 13 45 40.3–.99 41.57N–.04 35.42E–.03 8–9 47 0-3
ISK I 20 13 45 38.3 41.66N 35.51E 9 2.4L **¶12854842**
CSEM I 20 13 45 39.6–.43 41.61N 35.44E 2 2.4L
DDA I 20 13 45 40.3 41.53N 35.41E 13 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=4.7km az=26.0.
DDA Event type ke.
ISC I 20 14 52 44.0–1.3 39.66N–.02 29.41E–.02 2–11 79 1-2
ISK I 20 14 52 43.0 39.65N 29.41E 5 2.8 **¶12854840**
CSEM I 20 14 52 44.2–.13 39.65N 29.42E 5 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=51.0.
ISC I 20 15 31 06.2–.93 40.44N–.02 29.20E–.02 4–6 62 0-2
ISCJB I 20 15 31 05.4–.41 40.44N–.03 29.21E–.04 7–5 **¶12854839**
ISK I 20 15 31 05.0 40.43N 29.20E 5 2.7
DDA I 20 15 31 05.7 40.44N 29.19E 7 2.8
CSEM I 20 15 31 05.6–.13 40.45N 29.21E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.7km az=179.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=164.0.
ISC I 20 20 51 22.6–1.1 40.69N–.03 35.30E–.03 16–11 32 0-1
CSEM I 20 20 51 22.6–.25 40.69N 35.30E 20–0 2.6 **¶12854836**
DDA I 20 20 51 22.1 40.61N 35.35E 7 2.6
ISK I 20 20 51 22.0 40.71N 35.29E 19 1.7L
ISCJB I 20 20 51 23.2–.50 40.70N–.05 35.29E–.05 27–7 1.7L

ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC I 20 20 51 51.6–1.1 40.64N–.05 35.35E–.03 8–12 30 0-1
ISK I 20 20 51 50.7 40.65N 35.34E 2 1.7L ¶12854835
DDA I 20 20 51 51.2 40.66N 35.31E 7 2.7
CSEM I 20 20 51 51.7–.17 40.65N 35.34E 2 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.7km az=146.0.
ISC I 20 22 42 41.6–1.1 38.63N–.06 27.01E–.03 15–10 38 0-2
ISK I 20 22 42 40.7 38.64N 26.99E 14 2.7 ¶12854829
ISCJB I 20 22 42 41.2–.66 38.66N–.05 26.99E–.05 10–7 2.7
DDA I 20 22 42 41.7 38.63N 27.02E 7 2.9
CSEM I 20 22 42 41.4–.18 38.65N 26.99E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.0km az=159.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=117.0.
ISC I 21 04 41 51.3–.89 39.06N–.03 41.87E–.03 8 35 0-2
ISK I 21 04 41 49.3 39.02N 41.81E 5 3.4 ¶12854877
ISCJB I 21 04 41 51.0–.45 39.05N–.04 41.81E–.04 8 3.4
CSEM I 21 04 41 50.7–.23 39.07N 41.84E 2 3.4
DDA I 21 04 41 51.1 39.06N 41.82E 7 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.1km az=172.8.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.7km az=20.0.
DDA Event type ke.
ISC I 21 08 23 29.1–1.1 38.72N–.02 33.33E–.02 8–10 135 1-6
DDA I 21 08 23 27.2 38.60N 33.37E 22 3.5 ¶12854875
ISK I 21 08 23 28.6 38.71N 33.33E 5 3.8
CSEM I 21 08 23 30.1–.12 38.72N 33.33E 2 3.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=99.0.
ISC I 21 09 23 22.5–1.1 39.41N–.03 33.08E–.03 6–9 46 0-2
ISK I 21 09 23 21.8 39.41N 33.08E 6 2.8 ¶12854874
CSEM I 21 09 23 22.0–.15 39.40N 33.06E 2 3.0
DDA I 21 09 23 22.3 39.42N 33.10E 5 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=173.0.
DDA Event type ke.
ISC I 21 13 05 10.2–1.0 37.16N–.03 36.29E–.02 9–9 52 0-3
DDA I 21 13 05 09.6 37.16N 36.32E 8 3.1 ¶12854871
ISCJB I 21 13 05 10.3–.59 37.16N–.03 36.30E–.03 3–5 3.1
CSEM I 21 13 05 10.6–.20 37.15N 36.27E 8 2.0L
ISK I 21 13 05 12.2 37.34N 36.35E 10 2.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=169.1.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=18.0.
ISC I 21 13 44 11.5–1.4 39.38N–.08 33.20E–.05 9–9 24 0-2
ISCJB I 21 13 44 10.7–1.7 39.32N–.09 33.17E–.09 8–6 ¶12854869
CSEM I 21 13 44 10.6–.28 39.33N 33.16E 8 2.5
ISK I 21 13 44 11.0 39.37N 33.19E 7 2.5
DDA I 21 13 44 11.0 39.35N 33.24E 7 2.9L,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=6.8km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=3.8km az=12.0.
DDA Event type ke.
ISC I 21 13 45 08.0–.81 39.60N–.02 27.79E–.02 13–5 65 0-2
ISK I 21 13 45 07.8 39.60N 27.75E 6 2.2L ¶12854868
DDA I 21 13 45 07.4 39.62N 27.81E 7 3.2L,2.9
ISCJB I 21 13 45 08.1–.40 39.60N–.02 27.79E–.03 10–3 3.2L,2.9
CSEM I 21 13 45 08.2–.12 39.61N 27.79E 10 2.2L,2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=140.5.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=56.0.
ISC I 21 16 24 45.4–.93 37.85N–.03 27.58E–.03 12–10 34 0-2
ISK I 21 16 24 45.8 37.91N 27.60E 6 2.7 ¶12854867
DDA I 21 16 24 45.1 37.86N 27.58E 7 2.4
CSEM I 21 16 24 45.9–.17 37.88N 27.60E 5 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=69.0.
ISC I 21 17 45 03.7–1.0 40.50N–.02 36.87E–.02 5–9 84 0-4
ISK I 21 17 45 03.5 40.52N 36.86E 5 3.4 ¶12854866
DDA I 21 17 45 03.2 40.48N 36.88E 7 3.0
CSEM I 21 17 45 04.4–.13 40.53N 36.86E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=9.0.
ISC I 21 23 54 38.1–.00 39.32N–.03 31.49E–.04 6–10 30 0-1
ISK I 21 23 54 37.2 39.32N 31.47E 5 1.1L ¶12854863
ISCJB I 21 23 54 38.4–.61 39.32N–.04 31.53E–.05 6–6 1.1L
CSEM I 21 23 54 38.2–.22 39.32N 31.52E 10 1.1L
DDA I 21 23 54 38.4 39.36N 31.56E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.4km az=42.3.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=38.0.
DDA Event type ke.
ISC I 22 00 07 14.1–1.6 39.65N–.06 26.10E–.08 17–6 34 0-2
ISK I 22 00 07 10.9 39.56N 25.97E 10 2.9 ¶12854911
ISCJB I 22 00 07 11.6–1.7 39.58N–.07 25.94E–.09 10–8 2.9
CSEM I 22 00 07 11.6–.57 39.57N 25.93E 12 2.9
DDA I 22 00 07 14.6 39.69N 26.19E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=9.9km az=142.2.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=6.8km az=69.0.
DDA Event type ke.
ISC I 22 01 15 38.2–1.2 38.68N–.04 39.98E–.03 7–12 29 0-2
DDA I 22 01 15 36.8 38.79N 40.16E 7 3.1 ¶12854908
ISCJB I 22 01 15 38.7–.64 38.70N–.04 39.94E–.04 7–8 3.1
ISK I 22 01 15 38.1 38.68N 39.96E 9 2.9
CSEM I 22 01 15 39.9–.31 38.68N 39.87E 12 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.1km az=175.7.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=6.4km az=1.0.
ISC I 22 04 25 21.5–.90 36.13N–.02 35.82E–.02 16–7 84 0-4
NSSC I 22 04 25 19.8–5.5 36.34N 35.93E 19–39 2.6L ¶15699595
ISK I 22 04 25 21.6 36.11N 35.89E 20 3.2
DDA I 22 04 25 21.5 36.18N 35.81E 8 3.4
CSEM I 22 04 25 21.9–.16 36.09N 35.86E 16–1 3.2
ISCJB I 22 04 25 22.3–.42 36.10N–.02 35.89E–.04 25–4 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 22 04 43 05.6–.94 36.10N–.02 35.84E–.02 18–2 167 0-5
ISCJB I 22 04 43 05.7–.38 36.09N–.02 35.83E–.03 23–4 ¶15699599
ISK I 22 04 43 05.2 36.14N 35.84E 18 3.7L
DDA I 22 04 43 05.3 36.11N 35.88E 25 3.4
CSEM I 22 04 43 05.8–.10 36.10N 35.85E 15 3.4
NSSC I 22 04 43 06.3–2.7 36.08N 35.89E 31–15 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=160.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=105.0.
NSSC Error ellipse: s-maj=16.5km s-min=25.5km az=-1.0.
ISC I 22 04 46 06.5–.99 36.10N–.03 35.84E–.02 19–2 71 0-3
DDA I 22 04 46 05.2 36.10N 35.83E 23 3.1 ¶15132903
ISCJB I 22 04 46 06.5–.53 36.07N–.03 35.86E–.04 20–5 3.1
ISK I 22 04 46 06.2 36.12N 35.83E 16 3.1
CSEM I 22 04 46 06.2–.15 36.09N 35.84E 14–1 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.1km az=141.0.
CSEM Event type ke.
ISC I 22 06 27 06.6–.89 38.62N–.02 27.13E–.02 17–7 137 0-3
DDA I 22 06 27 05.8 38.63N 27.11E 28 3.2 ¶12854900
ISK I 22 06 27 06.8 38.58N 27.19E 18 3.3
ISCJB I 22 06 27 07.6–.31 38.62N–.02 27.16E–.03 19–4 3.3
CSEM I 22 06 27 07.0–.11 38.61N 27.17E 10 3.3
ATH I 22 06 27 08.1 38.60N 27.12E 5–3 3.3
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=11.1.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=99.0.
ATH Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0.
ISC I 22 08 52 19.8–.95 40.42N–.02 28.65E–.02 12–7 63 0-2
ISCJB I 22 08 52 19.6–.39 40.46N–.03 28.63E–.03 3–5 ¶12854899
CSEM I 22 08 52 19.7–.05 40.42N 28.65E 12 2.6
ISK I 22 08 52 19.3 40.42N 28.65E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=148.9.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=151.0.
ISC I 22 09 51 52.2–.83 39.17N–.03 29.44E–.02 12–6 66 0-2
ISK I 22 09 51 50.7 39.16N 29.47E 5 2.9 ¶12854896
CSEM I 22 09 51 51.9–.12 39.16N 29.45E 2 3.0
DDA I 22 09 51 51.8 39.19N 29.43E 7 3.0
ISCJB I 22 09 51 52.1–.45 39.16N–.03 29.44E–.03 6–4 3.0
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC I 22 12 05 41.3–.89 40.13N–.03 30.01E–.03 12–7 39 0-2
ISK I 22 12 05 39.2 40.00N 29.97E 6 2.9 ¶12854895
ISCJB I 22 12 05 41.2–.53 40.19N–.04 30.05E–.04 7–5 2.9
CSEM I 22 12 05 41.2–.23 40.15N 30.02E 10 2.9
DDA I 22 12 05 41.3 40.14N 30.04E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=21.2.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.6km az=25.0.
DDA Event type ke.
ISC I 23 02 22 23.8–1.2 38.06N–.02 35.23E–.02 1–11 59 0-3
ISK I 23 02 22 23.1 38.09N 35.24E 3 3.1 ¶12854936
DDA I 23 02 22 24.0 38.05N 35.17E 20 3.0
CSEM I 23 02 22 24.0–.19 38.08N 35.23E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.3km az=29.0.
ISC I 23 04 41 27.3–.92 39.90N–.03 40.85E–.02 16–8 54 0-2
ISK I 23 04 41 26.3 39.88N 40.81E 3 3.0 ¶12854935
ISCJB I 23 04 41 27.3–.48 39.91N–.03 40.86E–.03 7–4 3.0
CSEM I 23 04 41 27.1–.17 39.91N 40.84E 5 2.9
DDA I 23 04 41 27.0 39.93N 40.89E 19 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=3.3.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=7.0.
DDA Event type ke.
ISC I 23 08 17 14.5–.99 39.61N–.03 33.26E–.02 5–10 37 0-2
ISCJB I 23 08 17 14.5–.53 39.59N–.03 33.28E–.03 3–6 ¶12854933
ISK I 23 08 17 14.3 39.59N 33.24E 7 2.7
CSEM I 23 08 17 14.5–.16 39.58N 33.25E 5 2.9L
DDA I 23 08 17 14.4 39.54N 33.24E 6 2.9L,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.3km az=163.9.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=156.0.
DDA Event type ke.
ISC I 23 12 03 49.0–1.2 37.39N–.05 41.57E–.03 8–15 31 1-3
DDA I 23 12 03 48.9 37.41N 41.56E 2 2.9 ¶12854913
CSEM I 23 12 03 50.1–.34 37.40N 41.59E 2 2.9
NSSC I 23 12 03 52.6–.53 37.35N 41.46E 12–16 2.0L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=6.3km az=172.0.
NSSC Error ellipse: s-maj=13.6km s-min=7.8km az=-1.0.
ISC I 23 13 00 19.8–.95 40.20N–.03 28.83E–.03 12–10 34 0-1
ISCJB I 23 13 00 19.9–.53 40.21N–.06 28.79E–.05 11–9 ¶12854931
CSEM I 23 13 00 19.9–.12 40.20N 28.83E 10 2.5
DDA I 23 13 00 19.6 40.18N 28.86E 7 2.5
ISK I 23 13 00 20.0 40.26N 28.78E 12 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.0km az=153.5.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=152.0.
DDA Event type ke.
ISC I 23 14 00 20.1–.94 37.43N–.04 38.60E–.02 9–7 39 0-2
ISK I 23 14 00 19.8 37.42N 38.59E 5 3.0 ¶12854929
ISCJB I 23 14 00 20.5–.73 37.44N–.04 38.57E–.03 3–5 3.0
DDA I 23 14 00 20.9 37.48N 38.52E 13 2.8
CSEM I 23 14 00 20.2–.26 37.41N 38.59E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=169.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=145.0.
ISC I 23 16 34 52.3–1.0 40.80N–.02 27.76E–.02 19–3 206 0-7
SOF I 23 16 34 48.7 40.78N 27.78E 2 3.2 ¶12854925
ISK I 23 16 34 51.5 40.80N 27.77E 15 3.7L
CSEM I 23 16 34 51.9–.07 40.80N 27.76E 10 3.7L
ATH I 23 16 34 52.3 40.75N 27.64E 23–3 3.7
ISCJB I 23 16 34 52.3–.26 40.83N–.02 27.74E–.02 21–3 3.7
DDA I 23 16 34 52.2 40.81N 27.79E 7 3.3
THE I 23 16 34 54.8 40.79N 27.54E 13–2 3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=17.0.
ATH Error ellipse: s-maj=3.4km s-min=4.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=6.7.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.7km az=75.0.
ISC I 23 19 19 47.9–.52 37.71N–.02 27.26E–.01 13–4 117 0-7
ATH I 23 19 19 47.6 37.71N 27.27E 16–4 3.5 ¶12854921
THE I 23 19 19 49.7 37.72N 27.16E 1–0 3.6L
ISCJB I 23 19 19 49.2–.52 37.66N–.02 27.18E–.03 6–4 3.6L
DDA I 23 19 19 49.3 37.65N 27.21E 7 3.0
CSEM I 23 19 19 49.5–.12 37.65N 27.16E 5 3.6L
ISK I 23 19 19 49.0 37.66N 27.19E 6 3.4
ISC Event type ke.
ATH Error ellipse: s-maj=3.3km s-min=4.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=33.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=50.0.
ISC I 23 19 22 19.9–1.1 38.04N–.03 38.22E–.03 5–12 35 0-2
DDA I 23 19 22 18.9 38.03N 38.21E 2 2.8 ¶12854920
ISCJB I 23 19 22 19.9–.51 38.06N–.03 38.23E–.05 14–5 2.8
CSEM I 23 19 22 19.7–.16 38.06N 38.21E 10 2.9
ISK I 23 19 22 19.4 38.09N 38.17E 8 2.9
ISC Event type ke.
DDA Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.4km az=157.3.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=110.0.
ISC I 23 21 26 20.1–.98 38.89N–.02 43.22E–.02 15–9 76 0-4
NSSP I 23 21 26 16.1 38.78N 43.03E 10 2.7s **¶15699631**
DDA I 23 21 26 18.4 38.91N 43.24E 5 3.3
ISK I 23 21 26 19.1 38.93N 43.22E 5 3.6
CSEM I 23 21 26 20.1–.22 38.91N 43.23E 2 3.6
NSSC I 23 21 26 29.5–1.2 36.71N 43.18E 0–301 2.3L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.8km az=81.0.
NSSC Error ellipse: s-maj=46.8km s-min=389.5km az=-1.0.
ISC I 23 21 55 57.0–1.0 40.99N–.03 33.32E–.03 13–9 32 0-2
ISK I 23 21 55 55.9 41.00N 33.33E 8 2.9 **¶12854917**
ISCJB I 23 21 55 56.5–.65 40.99N–.03 33.29E–.05 8–5 2.9
CSEM I 23 21 55 56.6–.13 41.00N 33.33E 10 2.8
DDA I 23 21 55 57.3 41.02N 33.33E 6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.4km az=159.8.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=37.0.
DDA Event type ke.
ISK I 23 23 07 43.5 40.75N 27.41E 6 2.7
CSEM I 23 23 07 43.9–.08 40.76N 27.40E 10 2.7 **¶12854916**
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=142.0.
ISC I 24 05 49 26.3–1.2 39.63N–.03 39.74E–.03 1–11 34 0-1
ISK I 24 05 49 25.5 39.65N 39.74E 2 2.6 **¶12854948**
CSEM I 24 05 49 26.5–.28 39.63N 39.75E 2 2.6
DDA I 24 05 49 27.1 39.62N 39.72E 2 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.8km az=116.0.
DDA Event type ke.
ISK I 24 15 55 28.2 39.01N 42.18E 5 2.9
CSEM I 24 15 55 27.0–.76 38.89N 42.13E 5 2.9 **¶12854944**
DDA I 24 15 55 29.8 39.07N 42.19E 7 3.0
CSEM Event type ke. Error ellipse: s-maj=19.5km s-min=9.2km az=170.0.
DDA Event type ke.
ISC I 24 15 58 39.5–.88 40.80N–.01 27.78E–.01 12–6 4.0b,3.3s 489 0-75
MOS I 24 15 58 37.0–1.3 40.74N 27.60E 12 4.1b,3.3s **¶13433973**
IDC I 24 15 58 37.5–.76 40.77N 27.71E 0 3.9,3.9
ISCJB I 24 15 58 38.5–.28 40.84N–.01 27.75E–.02 13–2 4.0b,3.3s
NEIC I 24 15 58 38.0 40.80N 27.79E 11 4.6L,4.2L
SOF I 24 15 58 38.4 40.92N 27.67E 2 3.8,4.2L
ISK I 24 15 58 39.0 40.79N 27.77E 16 4.1L,4.2L
DDA I 24 15 58 39.9 40.81N 27.73E 14 4.2L,4.2L
CSEM I 24 15 58 39.1–.06 40.81N 27.77E 10 4.1L,4.2L
THE I 24 15 58 39.0 40.80N 27.72E 10–2 4.3L,4.2L
ATH I 24 15 58 46.9 40.57N 27.01E 37–10 3.7,4.2L
BEO I 24 15 58 49.4–9.2 41.56N 27.10E 0 4.6L,4.2L
ISC Event type ke.
MOS Error ellipse: s-maj=11.3km s-min=5.0km az=88.7.
IDC Error ellipse: s-maj=14.6km s-min=13.7km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=27.3.
NEIC Event type se. After ISK.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=27.0.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.6km az=52.0.
ATH Error ellipse: s-maj=9.0km s-min=11.8km az=-1.0.
BEO Event type ke.
ISC I 24 17 53 30.2–.97 38.64N–.02 27.00E–.02 10–8 149 0-6
ISCJB I 24 17 53 29.9–.51 38.64N–.02 26.96E–.03 11–4 **¶12854942**
DDA I 24 17 53 29.9 38.60N 27.01E 7 3.7L,3.5
ATH I 24 17 53 29.2 38.68N 27.07E 38–3 3.2,3.5
ISK I 24 17 53 29.3 38.65N 26.98E 8 3.5,3.5
CSEM I 24 17 53 30.1–.15 38.63N 26.96E 10 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=1.5.
DDA Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=75.0.
ISC I 24 21 28 22.4–1.1 37.83N–.02 27.55E–.04 4–12 64 0-3
ISCJB I 24 21 28 22.0–.56 37.84N–.03 27.55E–.05 1–6 **¶12854939**
CSEM I 24 21 28 22.6–.10 37.83N 27.56E 2 2.8
DDA I 24 21 28 22.2 37.83N 27.56E 7 2.8
ISK I 24 21 28 22.2 37.86N 27.56E 6 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.6km az=157.5.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.7km az=74.0.
DDA Event type ke.
ISC I 24 23 59 44.7–.76 40.86N–.02 27.74E–.02 0 164 0-5
SOF I 24 23 59 42.5 40.71N 27.65E 0 3.1 **¶12854937**
ISK I 24 23 59 44.9 40.82N 27.75E 6 3.1L
DDA I 24 23 59 45.3 40.79N 27.78E 7 3.1
CSEM I 24 23 59 45.3–.10 40.83N 27.74E 5 3.1L
THE I 24 23 59 45.0 40.87N 27.74E 0–2 3.2L
ATH I 25 23 59 48.3 40.72N 27.45E 24–14 3.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=177.0.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=0.7km az=59.0.
ATH Error ellipse: s-maj=13.9km s-min=16.3km az=-1.0.
ISK I 25 00 19 25.2 40.32N 27.62E 14 2.9
CSEM I 25 00 19 25.6–.09 40.31N 27.61E 15 2.9 **¶12854971**
DDA I 25 00 19 25.6 40.32N 27.63E 11 2.5
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=22.0.
DDA Event type ke.
ISK I 25 00 19 42.4 38.66N 27.45E 6 3.3
DDA I 25 00 19 42.8 38.66N 27.45E 13 3.1 **¶12854970**
CSEM I 25 00 19 43.1–.09 38.66N 27.44E 5 3.3
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=124.0.
ISC I 25 03 13 36.8–1.2 37.27N–.04 39.36E–.04 6–11 34 0-2
ISCJB I 25 03 13 36.7–1.1 37.28N–.03 39.34E–.04 0–8 **¶12854951**
CSEM I 25 03 13 36.4–.68 37.27N 39.36E 2 2.9
ISK I 25 03 13 36.0 37.26N 39.30E 5 2.9
DDA I 25 03 13 36.8 37.29N 39.32E 7 3.0
NSSC I 25 03 13 38.6–.49 36.68N 38.88E 10–7 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.2km az=139.6.
CSEM Event type ke. Error ellipse: s-maj=14.5km s-min=7.0km az=157.0.
DDA Event type ke.
NSSC Error ellipse: s-maj=4.8km s-min=5.7km az=-1.0.
ISC I 25 03 26 54.0–.84 40.79N–.01 27.76E–.01 14–6 370 0-7
ATH I 25 03 26 51.6 40.90N 27.89E 31–12 3.8 **¶12854965**
ISCJB I 25 03 26 52.9–.28 40.84N–.02 27.75E–.02 9–2 3.8
THE I 25 03 26 53.2 40.91N 27.72E 0–1 3.7L
DDA I 25 03 26 53.5 40.78N 27.78E 7 3.5
CSEM I 25 03 26 53.5–.06 40.80N 27.77E 10 3.5L
SOF I 25 03 26 53.1 40.96N 27.64E 2 3.3
ISK I 25 03 26 53.0 40.79N 27.76E 15 3.5L
ISC Event type ke.
ATH Error ellipse: s-maj=5.4km s-min=9.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=9.2.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.6km az=54.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=14.0.
ISC I 25 07 34 21.1–.88 39.63N–.02 28.53E–.03 8–5 44 0-2
ISCJB I 25 07 34 20.9–.42 39.63N–.03 28.53E–.04 8–4 **¶12854960**
CSEM I 25 07 34 20.9–.14 39.63N 28.55E 8 2.7
DDA I 25 07 34 20.6 39.63N 28.52E 9 2.7
ISK I 25 07 34 20.7 39.64N 28.53E 7 2.7
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.6km az=27.5.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=112.0.
DDA Event type ke.
ISC I 25 08 08 25.8–.93 40.84N–.02 27.75E–.02 13–10 109 0-3
SOF I 25 08 08 14.7 40.23N 28.24E 5 2.6 **¶12854958**
ISK I 25 08 08 25.0 40.82N 27.75E 6 3.1
DDA I 25 08 08 26.0 40.78N 27.77E 13 2.9
CSEM I 25 08 08 25.5–.09 40.83N 27.76E 5 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=163.0.
ISC I 25 12 34 21.2–.93 40.81N–.02 27.76E–.01 13–8 218 0-7
SOF I 25 12 34 10.6 40.30N 28.18E 2 2.9 **¶12854954**
ISCJB I 25 12 34 20.3–.30 40.84N–.02 27.74E–.02 9–2 2.9
ISK I 25 12 34 20.3 40.83N 27.76E 11 3.2
CSEM I 25 12 34 21.0–.07 40.81N 27.75E 10 3.2
THE I 25 12 34 21.3 40.77N 27.70E 3–1 3.5L
DDA I 25 12 34 21.8 40.79N 27.77E 12 3.4
ATH I 25 12 34 33.7 40.43N 26.58E 5–0 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=179.3.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=9.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=44.0.
DDA Event type ke.
ATH Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
ISC I 26 09 50 46.2–.83 38.65N–.02 43.22E–.03 12–6 49 0-2
ISK I 26 09 50 45.4 38.66N 43.24E 4 2.9 **¶12854984**
DDA I 26 09 50 45.9 38.65N 43.19E 20 3.3
CSEM I 26 09 50 45.6–.18 38.65N 43.22E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=57.0.
ISC I 26 12 10 18.1–.79 40.14N–.02 28.92E–.02 14–5 140 0-4
ISCJB I 26 12 10 17.9–.34 40.16N–.02 28.89E–.02 5–3 **¶12854982**
ISK I 26 12 10 17.6 40.14N 28.91E 6 3.3L
SOF I 26 12 10 17.3 40.10N 28.64E 7 3.0
DDA I 26 12 10 17.7 40.15N 28.88E 7 3.5
CSEM I 26 12 10 18.1–.08 40.15N 28.92E 8 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=23.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=124.0.
ISC I 26 19 13 29.4–1.1 37.18N–.03 36.33E–.03 5–11 39 0-2
DDA I 26 19 13 29.0 37.19N 36.32E 7 2.9 **¶12854977**
CSEM I 26 19 13 29.6–.20 37.17N 36.32E 2 2.9
ISK I 26 19 13 30.1 37.27N 36.35E 10 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=121.0.
ISC I 26 21 52 54.0–1.1 37.16N–.03 36.38E–.02 7–10 81 1-4
ISCJB I 26 21 52 53.6–.53 37.14N–.02 36.37E–.03 4–4 **¶12854972**
DDA I 26 21 52 53.6 37.17N 36.38E 7 3.3
ISK I 26 21 52 53.4 37.19N 36.38E 7 3.4
CSEM I 26 21 52 54.1–.09 37.15N 36.37E 8 3.4
NSSC I 26 21 52 58.8–2.3 36.91N 36.70E 5–36 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.6km az=166.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=19.0.
NSSC Error ellipse: s-maj=57.3km s-min=40.1km az=-1.0.
ISC I 27 11 24 51.3–1.4 38.41N–.05 39.12E–.06 11–8 22 0-1
ISCJB I 27 11 24 50.8–1.4 38.41N–.05 39.14E–.08 4–8 **¶15132967**
CSEM I 27 11 24 51.1–.38 38.44N 39.11E 8 2.8
DDA I 27 11 24 51.2 38.40N 39.09E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=7.2km az=22.8.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=5.2km az=124.0.
DDA Event type ke.
ISC I 27 13 07 19.7–1.0 37.15N–.03 35.91E–.03 17–8 28 0-1
DDA I 27 13 07 18.9 37.17N 35.92E 7 2.8 **¶12855005**
ISCJB I 27 13 07 19.7–.55 37.17N–.03 35.96E–.04 13–5 2.8
CSEM I 27 13 07 19.6–.23 37.14N 35.91E 20 2.5
ISK I 27 13 07 19.4 37.15N 35.97E 13 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.6km az=21.7.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=5.1km az=57.0.
ISC I 27 13 12 39.7–.00 39.87N–.03 41.83E–.03 13–8 39 0-2
DDA I 27 13 12 38.7 39.86N 41.80E 9 3.1 **¶12855004**
ISCJB I 27 13 12 39.9–.48 39.85N–.03 41.82E–.04 13–4 3.1
CSEM I 27 13 12 39.4–.26 39.88N 41.77E 10 3.1
ISK I 27 13 12 39.5 39.86N 41.80E 16 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.2km az=22.2.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=5.1km az=26.0.
ISC I 27 18 14 00.8–.93 36.43N–.02 35.63E–.03 25–8 86 0-7
DDA I 27 18 13 59.8 36.48N 35.63E 12 3.5 **¶12854989**
ISK I 27 18 13 59.7 36.41N 35.66E 25 3.6
ISCJB I 27 18 14 00.7–.34 36.44N–.02 35.62E–.03 26–3 3.6
CSEM I 27 18 14 00.2–.13 36.45N 35.62E 15 3.6
NSSC I 27 18 14 07.0–2.7 36.23N 36.06E 52–19 2.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=151.2.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=79.0.
NSSC Error ellipse: s-maj=17.3km s-min=28.3km az=-1.0.
DDA I 27 21 21 44.9 38.90N 38.97E 7 3.0
¶15132956
DDA Event type ke.
ISC I 27 21 23 40.9–.95 41.50N–.02 28.03E–.02 9–8 151 0-7
SOF I 27 21 23 38.1 41.56N 27.99E 2 3.1 **¶12854992**
ISCJB I 27 21 23 39.3–.41 41.54N–.02 28.01E–.03 4–3 3.1
ISK I 27 21 23 39.4 41.54N 28.03E 11 3.5L
CSEM I 27 21 23 40.8–.09 41.47N 28.03E 10 3.5L
DDA I 27 21 23 41.6 41.40N 28.00E 7 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=142.2.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=52.0.
DDA Event type ke.
ISC I 27 23 54 43.4–1.5 37.24N–.05 39.32E–.04 15–13 24 1-2
CSEM I 27 23 54 43.7 37.31N 39.34E 7 3.3 **¶12854988**
DDA I 27 23 54 43.7 37.31N 39.34E 7 3.3
ISCJB I 27 23 54 44.3–.56 37.23N–.04 39.32E–.04 15–18 3.3
NSSC I 27 23 54 44.4–1.5 37.27N 39.31E 38–999 1.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=25.0.
NSSC Error ellipse: s-maj=18.5km s-min=13.5km az=-1.0.
ISC I 28 00 23 02.2–.85 37.58N–.03 35.64E–.02 15–5 79 0-4
ISK I 28 00 23 00.7 37.60N 35.60E 2 3.5 **¶12855037**
ISCJB I 28 00 23 01.8–.54 37.58N–.03 35.61E–.03 7–5 3.5
CSEM I 28 00 23 01.7–.15 37.58N 35.63E 2 3.5
DDA I 28 00 23 01.4 37.53N 35.63E 20 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=30.4.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=23.0.
DDA Event type ke.
ISC I 28 00 34 53.6–.93 37.27N–.03 35.97E–.03 12–8 48 0-2
ISCJB I 28 00 34 53.8–.63 37.25N–.03 35.94E–.04 3–6 **¶12855036**

CSEM	I	28 00 34 53.9–.22	37.26N	35.95E	12	2.9		
DDA	I	28 00 34 53.5	37.26N	35.95E	19	3.4		
ISK	I	28 00 34 53.6	37.31N	35.98E	18	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=4.7km az=166.6.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=5.1km az=138.0.							
DDA	Event type ke.							
ISC	**I**	**28 01 21 12.0–1.0**	**37.29N–.03**	**35.98E–.02**	**18–2**		**38**	**0-2**
DDA	I	28 01 21 11.7	37.30N	35.98E	6	3.2		¶12855035
ISK	I	28 01 21 11.2	37.30N	36.00E	18	2.6		
CSEM	I	28 01 21 12.1–.23	37.29N	35.97E	2	2.6		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=164.0.							
ISC	**I**	**28 09 17 54.4–.95**	**37.83N–.02**	**27.55E–.02**	**9–6**	**3.9b**	**227**	**0-117**
ATH	I	28 09 17 51.7	37.73N	27.68E	24–3	3.6		¶12082559
ISCJB	I	28 09 17 53.8–.40	37.81N–.02	27.56E–.02	10–3	3.8b,3.1s		
NEIC	I	28 09 17 53.0	37.83N	27.47E	5	4.4L,3.9L		
ISK	I	28 09 17 53.3	37.83N	27.53E	5	3.9L,3.9L		
DDA	I	28 09 17 53.7	37.82N	27.56E	7	3.7,3.9L		
CSEM	I	28 09 17 54.2–.11	37.81N	27.56E	5	3.7,3.9L		
THE	I	28 09 17 56.1	37.85N	27.42E	10–1	4.4L,3.9L		
IDC	I	28 09 17 58.0–2.9	37.74N	27.56E	35–22	3.8,3.7		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=5.8km s-min=2.4km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=144.3.							
NEIC	Event type se. After ISK.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=61.0.							
THE	Event type ke. Error ellipse: s-maj=3.4km s-min=1.4km az=74.0.							
IDC	Error ellipse: s-maj=16.5km s-min=14.7km az=170.0.							
ISC	**I**	**28 09 45 08.6–.99**	**37.83N–.02**	**27.56E–.02**	**7–7**	**3.5b**	**215**	**0-75**
HLW	I	28 09 45 03.8	38.35N	27.55E	15–11	3.5L,0.0		¶12082560
ISK	I	28 09 45 07.8	37.82N	27.44E	9	3.8L,0.0		
ATH	I	28 09 45 07.0	37.70N	27.64E	29–3	3.6,0.0		
NEIC	I	28 09 45 07.0	37.80N	27.43E	5	4.1L,3.9L		
DDA	I	28 09 45 08.3	37.81N	27.56E	7	3.9,3.9L		
ISCJB	I	28 09 45 08.3–.39	37.79N–.02	27.55E–.02	11–3	3.6b,2.5s		
THE	I	28 09 45 08.9	37.83N	27.57E	30–1	4.1L,2.5s		
CSEM	I	28 09 45 08.7–.13	37.78N	27.53E	8	3.9,2.5s		
IDC	I	28 09 45 12.5–3.8	37.69N	27.66E	33–31	3.7,3.6L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=6.6km s-min=2.8km az=-1.0.							
NEIC	Event type se. After ISK.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=25.8.							
THE	Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=77.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=62.0.							
IDC	Error ellipse: s-maj=18.6km s-min=15.9km az=14.0.							
ISC	**I**	**28 10 34 14.8–1.0**	**39.32N–.04**	**34.03E–.03**	**14–9**		**32**	**0-2**
ISCJB	I	28 10 34 14.7–.89	39.33N–.06	34.04E–.04	3–11			¶12855032
CSEM	I	28 10 34 14.7–.21	39.31N	34.05E	2	2.8		
DDA	I	28 10 34 14.7	39.35N	34.01E	7	3.0		
ISK	I	28 10 34 14.5	39.33N	34.03E	9	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.8km s-min=4.8km az=165.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=167.0.							
DDA	Event type ke.							
ISC	**I**	**28 12 21 41.8–1.3**	**41.24N–.05**	**36.40E–.03**	**5–12**		**35**	**0-2**
DDA	I	28 12 21 41.4	41.26N	36.35E	11	3.1		¶12855030
ISK	I	28 12 21 41.1	41.25N	36.41E	5	2.8		
CSEM	I	28 12 21 42.1–.36	41.24N	36.40E	5	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.6km s-min=4.8km az=15.0.							
ISC	**I**	**28 15 50 04.1–.92**	**40.48N–.04**	**29.22E–.02**	**11–7**		**38**	**0-2**
ISK	I	28 15 50 02.9	40.45N	29.21E	4	2.9		¶12855027
ISCJB	I	28 15 50 03.8–.53	40.49N–.05	29.21E–.03	1–8	2.9		
CSEM	I	28 15 50 03.9–.15	40.50N	29.22E	10	2.9		
DDA	I	28 15 50 03.7	40.45N	29.18E	7	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.2km s-min=4.1km az=12.1.							
CSEM	Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=10.0.							
DDA	Event type ke.							
ISC	**I**	**28 19 01 06.3–1.5**	**39.74N–.03**	**41.93E–.02**	**3–12**		**40**	**0-3**
DDA	I	28 19 01 06.9	39.75N	41.93E	7	3.0		¶12855024
ISCJB	I	28 19 01 07.9–.56	39.76N–.03	41.91E–.04	8–6	3.0		
ISK	I	28 19 01 07.5	39.79N	41.92E	6	3.2		
CSEM	I	28 19 01 07.2–.19	39.83N	41.92E	2	3.0		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=4.8km az=1.2.							
CSEM	Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=6.0.							
ISC	**I**	**28 19 28 37.7–1.0**	**38.39N–.03**	**39.13E–.02**	**5–10**		**34**	**0-2**
ISK	I	28 19 28 36.7	38.38N	39.14E	8	2.9		¶12855022
ISCJB	I	28 19 28 37.5–.55	38.39N–.04	39.12E–.03	6–5	2.9		
CSEM	I	28 19 28 37.5–.21	38.41N	39.11E	5	2.9		
DDA	I	28 19 28 37.4	38.41N	39.13E	7	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=4.1.							
CSEM	Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=176.0.							
DDA	Event type ke.							
ISC	**I**	**28 20 01 19.8–1.0**	**37.84N–.02**	**27.56E–.02**	**5–11**		**68**	**0-3**
ISCJB	I	28 20 01 19.4–.47	37.84N–.02	27.56E–.04	3–6			¶12855020
CSEM	I	28 20 01 19.8–.11	37.84N	27.57E	5	3.0		
DDA	I	28 20 01 19.6	37.81N	27.55E	7	3.0		
ISK	I	28 20 01 19.1	37.85N	27.55E	6	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=146.1.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=82.0.							
DDA	Event type ke.							
ISC	**I**	**28 21 51 54.9–1.1**	**39.01N–.02**	**41.80E–.02**	**4–11**		**50**	**0-3**
ISK	I	28 21 51 53.1	38.98N	41.82E	8	3.5		¶12855018
CSEM	I	28 21 51 54.4–.24	39.04N	41.85E	10	3.5		
DDA	I	28 21 51 55.6	39.00N	41.78E	4	3.3		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=8.4km s-min=5.2km az=35.0.							
DDA	Event type ke.							
ISC	**I**	**28 23 32 24.1–1.3**	**36.85N–.06**	**34.33E–.05**	**10–7**		**30**	**0-2**
DDA	I	28 23 32 23.4	36.85N	34.31E	29	3.1		¶12855017
ISK	I	28 23 32 23.2	36.95N	34.32E	5	2.9		
ISCJB	I	28 23 32 24.2–1.3	36.88N–.06	34.29E–.07	6–6	2.9		
CSEM	I	28 23 32 24.9–.52	36.88N	34.35E	10	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=12.3km s-min=7.0km az=40.6.							
CSEM	Event type ke. Error ellipse: s-maj=13.5km s-min=7.5km az=34.0.							
ISC	**I**	**29 04 01 13.6–.88**	**40.01N–.02**	**27.79E–.02**	**13–7**		**109**	**0-2**
ISCJB	I	29 04 01 13.1–.38	40.02N–.02	27.80E–.03	3–4			¶12855068
CSEM	I	29 04 01 13.4–.09	40.02N	27.78E	8	3.2		
DDA	I	29 04 01 13.1	40.02N	27.81E	7	3.2		
ISK	I	29 04 01 13.0	40.02N	27.77E	8	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=163.1.							
CSEM	Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=67.0.							
DDA	Event type ke.							
ISC	**I**	**29 07 05 00.9–1.0**	**36.37N–.04**	**35.58E–.04**	**32–9**		**34**	**0-3**
CSEM	I	29 07 05 00.9–.24	36.33N	35.54E	25–2	3.0		¶12855044
DDA	I	29 07 05 00.6	36.41N	35.60E	7	2.9		
ISK	I	29 07 05 00.2	36.31N	35.55E	27	3.0		
ISCJB	I	29 07 05 01.1–.70	36.34N–.05	35.53E–.07	26–5	3.0		
NSSC	I	29 07 05 01.0–2.0	36.37N	35.60E	11–11	2.3L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=8.4km s-min=4.3km az=47.0.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.4km s-min=5.7km az=137.7.							
NSSC	Error ellipse: s-maj=14.9km s-min=13.9km az=-1.0.							
ISC	**I**	**29 13 04 19.0–.92**	**39.42N–.04**	**33.12E–.04**	**10–6**		**28**	**0-2**
DDA	I	29 13 04 17.7	39.51N	33.10E	25	3.0		¶12855061
CSEM	I	29 13 04 18.6–.22	39.46N	33.10E	10	2.9		
ISK	I	29 13 04 18.5	39.43N	33.14E	8	2.9		
ISCJB	I	29 13 04 19.2–.55	39.43N–.07	33.12E–.07	11–5	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISK	**I**	**29 13 29 31.9**	**37.97N**	**37.30E**	**5**	**3.0**		
NSSC	I	29 13 29 32.3–3.5	37.96N	37.27E	116–156	2.3L		¶12855042
CSEM	I	29 13 29 33.6–.19	37.94N	37.32E	10	3.0		
DDA	I	29 13 29 33.0	37.98N	37.26E	7	3.2		
NSSC	Error ellipse: s-maj=80.5km s-min=21.5km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=139.0.							
DDA	Event type ke.							
ISK	**I**	**29 13 29 37.2**	**37.42N**	**32.28E**	**19**	**2.7**		
CSEM	I	29 13 29 37.2	37.42N	32.28E	19	2.7		¶12855060
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.							
ISC	**I**	**29 14 15 53.9–1.0**	**39.98N–.02**	**28.08E–.02**	**6–10**		**60**	**0-2**
ISCJB	I	29 14 15 53.5–.45	39.98N–.03	28.09E–.03	2–5			¶12855058
CSEM	I	29 14 15 53.7–.12	39.98N	28.08E	8	2.7		
DDA	I	29 14 15 53.7	39.97N	28.11E	7	2.8		
ISK	I	29 14 15 53.2	39.97N	28.08E	8	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=25.9.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=27.0.							
DDA	Event type ke.							
ISC	**I**	**29 15 07 20.7–1.1**	**40.39N–.04**	**27.92E–.03**	**3–7**		**28**	**0-1**
CSEM	I	29 15 07 20.3–.31	40.41N	27.94E	2	2.2		¶12855056
DDA	I	29 15 07 20.3	40.41N	27.93E	7	2.5		
ISK	I	29 15 07 20.0	40.37N	27.93E	3	2.2		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.9km s-min=4.2km az=24.0.							
DDA	Event type ke.							
ISC	**I**	**29 19 09 00.1–1.1**	**37.87N–.02**	**29.24E–.02**	**4–11**		**104**	**1-3**
ISK	I	29 19 08 59.2	37.88N	29.23E	3	3.3		¶12855053
DDA	I	29 19 08 59.6	37.88N	29.25E	12	3.4		
CSEM	I	29 19 09 00.1–.13	37.87N	29.24E	2	3.3		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=104.0.							
ISC	**I**	**29 19 54 19.1–.96**	**39.44N–.02**	**27.99E–.02**	**16–9**		**54**	**0-2**
ISK	I	29 19 54 17.8	39.42N	28.02E	5	2.8		¶12855052
ISCJB	I	29 19 54 19.1–.40	39.44N–.02	28.00E–.04	6–6	2.8		
CSEM	I	29 19 54 19.3–.13	39.44N	28.01E	8	2.8		
DDA	I	29 19 54 19.0	39.45N	27.97E	7	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=167.2.							
CSEM	Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=76.0.							
DDA	Event type ke.							
ISC	**I**	**29 22 10 41.2–1.0**	**38.79N–.02**	**41.52E–.02**	**11–9**		**105**	**0-4**
DDA	I	29 22 10 41.2	38.80N	41.55E	23	3.5		¶12855048
ISK	I	29 22 10 41.3	38.78N	41.50E	5	3.5		
CSEM	I	29 22 10 42.5–.13	38.73N	41.56E	2	3.5		
NSSC	I	29 22 10 47.7–3.7	36.79N	42.83E	39–999	2.6L		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=177.0.							
NSSC	Error ellipse: s-maj=67.1km s-min=119.3km az=-1.0.							
ISK	**I**	**29 22 56 58.2**	**37.03N**	**28.17E**	**2**	**2.6**		
CSEM	I	29 22 56 56.7–.14	36.92N	28.30E	10	2.6		¶12855045
DDA	I	29 22 56 57.8	36.99N	28.23E	7	2.9		
CSEM	Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=9.0.							
DDA	Event type ke.							
ISC	**I**	**30 01 56 57.7–.90**	**40.40N–.02**	**28.96E–.03**	**9–6**		**40**	**0-1**
ISCJB	I	30 01 56 57.8–.54	40.41N–.04	28.95E–.05	7–5			¶12855099
ISK	I	30 01 56 57.4	40.40N	28.97E	8	2.6		
DDA	I	30 01 56 57.5	40.39N	28.98E	7	2.6		
CSEM	I	30 01 56 57.9–.13	40.39N	28.98E	2	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=38.1.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=60.0.							
ISC	**I**	**30 09 00 39.0–1.1**	**37.76N–.02**	**37.78E–.02**	**5–10**		**108**	**0-5**
ISCJB	I	30 09 00 38.2–.48	37.77N–.02	37.76E–.03	0–4			¶15699790
ISK	I	30 09 00 38.1	37.76N	37.76E	5	3.4L		
DDA	I	30 09 00 38.0	37.80N	37.71E	7	3.7L,3.6		
CSEM	I	30 09 00 38.6–.14	37.77N	37.77E	2	3.7L,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=28.8.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=138.0.							
ISC	**I**	**30 15 40 09.7–.90**	**40.76N–.02**	**27.37E–.03**	**15–7**		**62**	**0-2**
ISCJB	I	30 15 40 09.6–.39	40.77N–.03	27.37E–.04	8–5			¶12855089
CSEM	I	30 15 40 09.8–.10	40.75N	27.36E	10	2.7		
DDA	I	30 15 40 09.7	40.75N	27.40E	6	2.8		
ISK	I	30 15 40 09.4	40.76N	27.37E	8	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=33.9.							
CSEM	Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=144.0.							
DDA	Event type ke.							
ISC	**I**	**30 17 36 29.8–.83**	**38.44N–.02**	**39.09E–.02**	**12–5**		**62**	**0-4**
ISK	I	30 17 36 28.9	38.44N	39.08E	11	3.1		¶12855085
ISCJB	I	30 17 36 29.7–.41	38.44N–.03	39.08E–.03	9–3	3.1		
CSEM	I	30 17 36 29.7–.13	38.44N	39.07E	8	2.9		
DDA	I	30 17 36 29.7	38.43N	39.10E	7	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=170.9.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=159.0.							
DDA	Event type ke.							
ISC	**I**	**30 19 19 10.8–1.2**	**39.00N–.03**	**29.70E–.02**	**2–12**		**40**	**0-2**
ISCJB	I	30 19 19 10.2–.58	38.99N–.04	29.70E–.03	1–9			¶12855081
CSEM	I	30 19 19 10.5–.10	39.00N	29.70E	3–1	2.7		
ISK	I	30 19 19 10.0	38.99N	29.70E	5	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.0km s-min=4.5km az=6.7.							
CSEM	Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=178.0.							
ISC	**I**	**31 06 51 52.6–1.2**	**39.33N–.03**	**41.00E–.04**	**7–12**		**27**	**0-2**
ISK	I	31 06 51 52.8	39.33N	41.04E	9	2.9		¶12855118
CSEM	I	31 06 51 52.1–.32	39.25N	40.99E	2	2.9		
ISCJB	I	31 06 51 53.3–.55	39.34N–.03	41.00E–.05	6–7	2.9		
DDA	I	31 06 51 54.2	39.32N	41.13E	7	2.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.4km s-min=6.2km az=136.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.5km s-min=4.4km az=30.3.							
DDA	Event type ke.							
ISC	**I**	**31 07 14 49.4–1.1**	**38.74N–.03**	**33.58E–.03**	**10–10**		**32**	**1-2**
ISK	I	31 07 14 49.2	38.73N	33.55E	5	2.8		¶12855116
DDA	I	31 07 14 49.2	38.68N	33.62E	7	2.8		
CSEM	I	31 07 14 49.4–.30	38.70N	33.61E	5	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.8km s-min=5.4km az=124.0.							
ISC	**I**	**31 15 24 43.9–.94**	**40.45N–.03**	**29.21E–.02**	**8–9**		**46**	**0-2**

ISK I 31 15 24 42.6 40.46N 29.19E 5 2.6 ¶12855110
ISCJB I 31 15 24 43.7–.43 40.49N–.05 29.21E–.03 5–7 2.6
CSEM I 31 15 24 43.8–.15 40.47N 29.20E 8 2.6
DDA I 31 15 24 44.0 40.43N 29.23E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=3.9km az=175.6.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=1.0.
DDA Event type ke.
ISC I 31 22 56 01.8–.92 38.34N–.03 38.90E–.03 14–7 32 0-2
ISCJB I 31 22 56 01.8–.52 38.33N–.03 38.90E–.03 4–6 ¶12855101
CSEM I 31 22 56 01.7 38.34N 38.93E 14 2.6
DDA I 31 22 56 01.7 38.34N 38.93E 14 2.6
ISK I 31 22 56 01.3 38.34N 38.91E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.2km az=163.1.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
DDA Event type ke.
ISC II 01 00 39 35.0–.96 38.30N–.02 28.66E–.03 10–8 50 0-2
ISK II 01 00 39 34.5 38.28N 28.69E 10 2.8 ¶13434109
DDA II 01 00 39 34.9 38.31N 28.67E 8 3.0
CSEM II 01 00 39 34.9–.18 38.28N 28.68E 5 3.0
ISCJB II 01 00 39 35.0–.52 38.30N–.03 28.68E–.04 8–5 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISK II 01 00 42 18.3 40.69N 30.60E 26 2.5
CSEM II 01 00 42 18.3 40.69N 30.60E 26 2.5 ¶13434110
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC II 01 03 15 39.1–.98 36.89N–.04 31.03E–.03 77–7 108 0-9
ISCJB II 01 03 15 38.9–.35 36.89N–.03 31.00E–.04 89–6 ¶13434119
ISK II 01 03 15 39.9 36.97N 30.99E 75 3.2
DDA II 01 03 15 40.3 37.08N 30.94E 36 3.4
CSEM II 01 03 15 40.3–.14 36.92N 31.00E 80 3.2
HLW II 01 03 15 43.1 36.56N 30.72E 31–26 3.5,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=158.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=55.0.
ISC II 01 04 50 55.4–.96 37.51N–.03 37.00E–.03 7–8 41 0-2
DDA II 01 04 50 54.6 37.51N 37.00E 7 3.1 ¶13434120
ISCJB II 01 04 50 55.6–.55 37.49N–.03 37.03E–.03 8–5 3.1
ISK II 01 04 50 55.1 37.50N 37.04E 6 2.6
CSEM II 01 04 50 55.5–.13 37.50N 37.01E 5 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.6km az=4.8.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=100.0.
ISC II 01 05 29 50.7–.89 40.71N–.02 30.60E–.02 14–6 114 0-4
ISK II 01 05 29 49.9 40.71N 30.62E 9 3.1 ¶13434123
ISCJB II 01 05 29 50.1–.50 40.73N–.03 30.61E–.03 7–3 3.1
DDA II 01 05 29 50.2 40.71N 30.54E 10 3.2
CSEM II 01 05 29 50.5–.13 40.70N 30.61E 8 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=24.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=33.0.
ISC II 01 09 22 17.3–1.0 40.11N–.03 41.14E–.02 8–10 38 0-2
ISK II 01 09 22 16.5 40.12N 41.17E 7 2.6 ¶13434131
ISCJB II 01 09 22 17.6–.55 40.09N–.03 41.13E–.03 3–6 2.6
DDA II 01 09 22 17.3 40.08N 41.13E 7 2.9
CSEM II 01 09 22 17.5–.18 40.10N 41.13E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=170.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=139.0.
ISC II 01 09 55 37.0–.85 37.24N–.03 28.23E–.03 12–6 38 0-2
ISK II 01 09 55 36.6 37.27N 28.22E 7 2.8 ¶13434132
ISCJB II 01 09 55 37.0–.47 37.22N–.04 28.21E–.03 10–5 2.8
CSEM II 01 09 55 37.1–.13 37.23N 28.22E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=18.6.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=33.0.
ISC II 01 10 27 18.7–.47 40.45N–.01 42.31E–.01 13–2 4.4b,3.6s 490 1-80
BJI II 01 10 27 12.8 40.55N 41.69E 8 5.0b,4.8s ¶11667208
NSSP II 01 10 27 14.5 40.43N 42.27E 5 4.5s,4.8s
IDC II 01 10 27 16.7–.61 40.36N 42.22E 0 4.1,4.1L
DDA II 01 10 27 16.7 40.45N 42.34E 10 4.4L,4.3
ISK II 01 10 27 16.2 40.48N 42.32E 2 4.4L,4.3
TIF II 01 10 27 16.6 40.47N 42.26E 10–2 4.4L,4.3
NEIC II 01 10 27 16.8 40.49N 42.33E 4 4.6b,4.4L
ISCJB II 01 10 27 17.5–.38 40.48N–.01 42.27E–.02 8–2 4.3b,3.7s
CSEM II 01 10 27 17.5–.12 40.46N 42.33E 2 4.4L,4.3W
MOS II 01 10 27 18.3–1.3 40.53N 42.17E 10 4.5b,4.3W
TEH II 01 10 27 22.4 40.45N 42.64E 80 4.4L,4.3W
ISC Event type fe.
IDC Error ellipse: s-maj=14.8km s-min=8.9km az=13.0.
DDA Event type ke.
NEIC Event type fe. Felt at Erzurum, Hopa, Narman and Sarikamis. Also felt at Bat'umi and Khelvach'auri, Georgia. After ISK. Moment Tensor Solution. $M_0 3.10000\times10^{15}$
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.9km az=23.4.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=51.0.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=121.0.
ISC II 01 11 07 24.9–1.1 40.45N–.02 42.34E–.01 2–10 107 1-7
NSSP II 01 11 07 23.3 40.40N 42.28E 5 3.0s ¶13434135
ISK II 01 11 07 24.1 40.47N 42.35E 5 3.4
DDA II 01 11 07 24.6 40.44N 42.34E 20 3.5
CSEM II 01 11 07 25.2–.19 40.45N 42.36E 2 3.4
TIF II 01 11 07 26.6 40.51N 42.13E 22–5 3.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=34.0.
ISC II 01 11 11 31.4–1.0 40.44N–.02 42.34E–.01 8–9 104 1-4
NSSP II 01 11 11 28.9 40.42N 42.28E 5 2.8s ¶13434136
ISK II 01 11 11 29.9 40.43N 42.35E 5 3.4
DDA II 01 11 11 30.7 40.42N 42.36E 11 3.4
CSEM II 01 11 11 31.2–.19 40.43N 42.33E 2 3.4
TIF II 01 11 11 32.1 40.47N 42.12E 16–4 3.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=31.0.
ISC II 01 11 14 53.2–.96 40.44N–.03 42.34E–.03 17–8 36 1-2
ISK II 01 11 14 52.7 40.45N 42.32E 16 2.9 ¶13434137
DDA II 01 11 14 53.0 40.42N 42.35E 7 3.0
ISCJB II 01 11 14 54.0–.49 40.44N–.03 42.34E–.04 25–9 3.0
CSEM II 01 11 14 53.3–.17 40.42N 42.34E 20 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.7km az=161.9.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=7.0.
ISC II 01 11 50 44.3–1.1 40.43N–.02 42.35E–.02 6–11 41 1-1
ISK II 01 11 50 42.0 40.49N 42.27E 2 2.7 ¶13434138
DDA II 01 11 50 44.0 40.42N 42.34E 7 3.1
CSEM II 01 11 50 44.0–.15 40.43N 42.35E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=34.0.
ISC II 01 12 27 16.7–1.0 40.47N–.02 42.31E–.02 10–9 111 1-4
NSSP II 01 12 27 15.2 40.38N 43.30E 5 3.6s ¶13434142
ISK II 01 12 27 16.2 40.46N 42.33E 5 3.6L
DDA II 01 12 27 16.8 40.43N 42.36E 3 3.7
CSEM II 01 12 27 17.6–.17 40.45N 42.35E 2 3.6L
TIF II 01 12 27 19.2 40.50N 42.06E 23–3 3.6L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=26.0.
ISC II 01 12 36 36.4–1.1 40.43N–.02 42.34E–.02 8–13 47 1-2
ISK II 01 12 36 35.5 40.47N 42.32E 5 2.9 ¶13434143
ISCJB II 01 12 36 36.1–.54 40.44N–.02 42.36E–.03 8–5 2.9
DDA II 01 12 36 36.2 40.42N 42.35E 7 3.0
CSEM II 01 12 36 36.0–.20 40.42N 42.33E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.9km az=138.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=31.0.
ISC II 01 12 43 41.8–1.0 40.42N–.02 42.38E–.03 15–10 37 1-2
ISCJB II 01 12 43 41.7–.60 40.40N–.03 42.37E–.04 13–7 ¶13434144
ISK II 01 12 43 41.6 40.41N 42.41E 23 2.8
DDA II 01 12 43 41.6 40.41N 42.38E 7 3.0
CSEM II 01 12 43 41.4–.17 40.40N 42.34E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.5km az=166.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=18.0.
ISC II 01 13 19 25.4–1.0 40.42N–.03 42.33E–.02 12–10 41 0-2
ISK II 01 13 19 24.8 40.47N 42.28E 12 2.8 ¶13434146
ISCJB II 01 13 19 25.3–.53 40.44N–.02 42.30E–.03 7–5 2.8
DDA II 01 13 19 25.2 40.42N 42.31E 7 3.0
CSEM II 01 13 19 25.3–.24 40.43N 42.30E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=4.1km az=13.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.7km az=17.0.
ISC II 01 13 20 29.6–1.0 40.44N–.02 42.35E–.02 10–10 36 1-1
ISCJB II 01 13 20 29.2–.51 40.45N–.03 42.35E–.03 5–5 ¶13434147
ISK II 01 13 20 29.3 40.45N 42.33E 18 2.8
DDA II 01 13 20 29.2 40.42N 42.34E 7 2.8
CSEM II 01 13 20 29.3–.19 40.43N 42.33E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=140.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=27.0.
ISC II 01 14 19 26.2–1.1 40.49N–.02 42.38E–.02 7–10 52 1-2
ISK II 01 14 19 25.3 40.51N 42.35E 7 2.9 ¶13434150
TIF II 01 14 19 25.6 40.51N 42.32E 11–3 2.9
DDA II 01 14 19 25.4 40.50N 42.39E 7 3.2
CSEM II 01 14 19 25.6–.18 40.48N 42.36E 8 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=26.0.
ISC II 01 14 58 31.6–1.1 40.42N–.02 42.33E–.02 8–10 39 0-2
ISCJB II 01 14 58 31.7–.50 40.43N–.02 42.33E–.03 8–5 ¶13434152
ISK II 01 14 58 31.3 40.45N 42.31E 6 2.8
DDA II 01 14 58 31.4 40.42N 42.34E 7 2.9
CSEM II 01 14 58 31.4–.16 40.41N 42.31E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=145.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=15.0.
ISC II 01 15 06 32.2–1.0 40.44N–.02 42.34E–.01 7–9 122 1-4
NSSP II 01 15 06 29.6 40.37N 42.27E 5 3.4s ¶13434153
ISK II 01 15 06 30.8 40.45N 42.34E 5 3.4,3.4L
TIF II 01 15 06 31.4 40.43N 42.31E 11–2 3.4,3.4L
DDA II 01 15 06 31.6 40.44N 42.36E 12 3.5,3.4L
CSEM II 01 15 06 32.1–.18 40.48N 42.39E 2 3.4,3.4L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=37.0.
ISC II 01 15 16 26.4–1.0 40.44N–.02 42.34E–.03 13–13 34 1-1
ISK II 01 15 16 25.4 40.45N 42.32E 6 2.8 ¶13434154
DDA II 01 15 16 26.3 40.43N 42.36E 7 3.0
CSEM II 01 15 16 26.5–.22 40.41N 42.32E 20 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=53.0.
ISC II 01 16 04 45.2–1.0 40.44N–.02 42.32E–.02 10–10 44 0-2
ISK II 01 16 04 44.8 40.42N 42.32E 9 2.8 ¶13434155
ISCJB II 01 16 04 45.3–.52 40.42N–.02 42.33E–.03 9–5 2.8
DDA II 01 16 04 45.0 40.43N 42.35E 7 3.1
CSEM II 01 16 04 45.0–.15 40.41N 42.31E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.8km az=158.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=39.0.
ISC II 01 17 01 44.3–.93 38.02N–.02 27.02E–.02 10–8 81 0-2
DDA II 01 17 01 43.8 38.02N 27.03E 8 3.0 ¶13434157
ISCJB II 01 17 01 44.0–.47 38.01N–.02 26.99E–.03 8–3 3.0
ISK II 01 17 01 44.0 38.03N 27.02E 8 2.9
ATH II 01 17 01 44.3 37.99N 26.97E 22–1 3.2
CSEM II 01 17 01 44.3–.16 38.02N 26.98E 8 3.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=172.5.
ATH Error ellipse: s-maj=0.8km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=81.0.
ISC II 01 20 07 21.2–.87 37.51N–.03 35.69E–.03 16–5 34 0-2
ISK II 01 20 07 20.6 37.51N 35.69E 17 2.4 ¶13434163
DDA II 01 20 07 20.4 37.53N 35.73E 8 3.1
ISCJB II 01 20 07 21.1–.58 37.52N–.03 35.69E–.04 11–5 3.1
CSEM II 01 20 07 21.0–.13 37.52N 35.68E 15 2.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.9km az=12.9.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=31.0.
ISC II 02 01 11 55.8–.99 38.57N–.03 38.89E–.03 8–8 33 0-2
ISCJB II 02 01 11 55.7–.50 38.58N–.04 38.88E–.04 7–7 ¶13434168
ISK II 02 01 11 55.0 38.57N 38.89E 4 2.7
DDA II 02 01 11 55.8 38.53N 38.88E 7 2.8
CSEM II 02 01 11 55.6–.15 38.56N 38.89E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.1km az=157.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=145.0.
ISC II 02 02 24 45.4–.92 37.05N–.03 28.18E–.02 9–6 57 0-2
ATH II 02 02 24 37.0 37.12N 28.87E 8 3.1 ¶13434175
DDA II 02 02 24 44.6 36.97N 28.18E 7 2.5
ISCJB II 02 02 24 45.1–.65 37.00N–.03 28.20E–.03 4–5 2.5
ISK II 02 02 24 45.4 37.14N 28.19E 11 3.0
CSEM II 02 02 24 45.4–.25 37.03N 28.16E 8 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=148.8.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.8km az=1.0.
ISC II 02 04 14 58.9–.95 37.85N–.03 30.18E–.03 15–8 36 0-2
ISK II 02 04 14 58.1 37.85N 30.17E 16 2.9 ¶15954848
CSEM II 02 04 14 59.1–.23 37.86N 30.22E 15 2.9
DDA II 02 04 15 00 37.83N 30.20E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=55.0.
DDA Event type ke.
ISC II 02 15 01 14.7–1.0 37.85N–.02 27.55E–.02 6–9 144 0-5
ISK II 02 15 01 13.9 37.85N 27.56E 7 3.4 ¶13434193

DDA II 02 15 01 14.1 37.84N 27.56E 7 3.6
CSEM II 02 15 01 14.6–.08 37.84N 27.54E 5 3.6
THE II 02 15 01 15.9 37.85N 27.45E 0–0 3.5L
ATH II 02 15 01 15.1 37.83N 27.48E 5 3.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=102.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=60.0.
ATH Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0.
ISC II 02 15 33 37.3–.99 37.60N–.03 35.58E–.03 11–8 45 0-3
ISK II 02 15 33 36.4 37.63N 35.57E 9 3.2 ¶13434194
DDA II 02 15 33 36.6 37.61N 35.65E 7 3.0
ISCJB II 02 15 33 37.2–.61 37.60N–.03 35.59E–.04 11–6 3.0
CSEM II 02 15 33 37.0–.15 37.59N 35.58E 12 3.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.7km az=31.8.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=45.0.
ISC II 02 15 38 43.2–1.2 39.48N–.03 35.37E–.03 1–14 32 0-2
DDA II 02 15 38 42.6 39.49N 35.32E 7 2.9 ¶13434195
ISK II 02 15 38 43.4 39.54N 35.37E 5 2.6
CSEM II 02 15 38 43.3–.30 39.49N 35.37E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.6km az=51.0.
ISC II 02 16 19 36.2–.85 40.80N–.02 27.77E–.02 16–7 137 0-2
ISCJB II 02 16 19 35.8–.32 40.82N–.02 27.76E–.02 7–3 ¶13434198
DDA II 02 16 19 35.8 40.78N 27.78E 3 3.1
ISK II 02 16 19 35.5 40.80N 27.77E 12 3.0
CSEM II 02 16 19 36.0–.11 40.81N 27.76E 10 3.0
THE II 02 16 19 36.7 40.72N 27.84E 20–5 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=168.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=163.0.
THE Event type ke. Error ellipse: s-maj=5.8km s-min=0.8km az=101.0.
ISC II 02 17 48 57.3–.97 41.29N–.04 40.71E–.02 16–6 64 0-3
ISK II 02 17 48 56.2 41.31N 40.65E 5 2.9 ¶13434199
ISCJB II 02 17 48 57.3–.68 41.29N–.04 40.72E–.03 12–4 2.9
DDA II 02 17 48 57.3 41.17N 40.75E 7 3.0
CSEM II 02 17 48 57.3–.29 41.27N 40.72E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.4km az=169.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=3.1km az=168.0.
ISC II 03 00 28 13.7–.90 40.00N–.02 27.74E–.03 10–7 40 0-1
ISK II 03 00 28 12.7 39.98N 27.73E 12 2.3 ¶13434204
ISCJB II 03 00 28 13.5–.50 40.01N–.03 27.76E–.04 4–7 2.3
DDA II 03 00 28 13.4 40.00N 27.74E 10 2.7
CSEM II 03 00 28 13.4–.11 40.00N 27.74E 8 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=14.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=96.0.
ISC II 03 01 34 16.7–.90 39.41N–.03 33.09E–.03 5–6 31 0-2
ISCJB II 03 01 34 17.0–.57 39.42N–.04 33.11E–.04 6–5 ¶13434206
ISK II 03 01 34 16.2 39.43N 33.11E 6 2.8
CSEM II 03 01 34 16.7–.11 39.43N 33.10E 8 2.8
DDA II 03 01 34 17.5 39.46N 33.09E 11 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.3km az=173.7.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=177.0.
DDA Event type ke.
ISC II 03 05 47 14.3–.95 40.20N–.02 33.93E–.03 16–8 38 0-2
ISK II 03 05 47 13.6 40.21N 33.92E 10 2.8 ¶13434211
DDA II 03 05 47 14.3 40.19N 33.91E 12 2.8
CSEM II 03 05 47 14.2–.16 40.19N 33.92E 8 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=85.0.
ISC II 03 06 32 36.8–1.1 39.86N–.04 40.02E–.03 5–15 22 0-1
ISK II 03 06 32 36.5 39.88N 40.05E 15 2.6 ¶13434213
CSEM II 03 06 32 36.4–.48 39.84N 40.00E 2 2.7
ISCJB II 03 06 32 37.2–.61 39.86N–.04 40.08E–.04 3–11 2.7
DDA II 03 06 32 37.1 39.86N 40.08E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.1km s-min=8.3km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.8km az=162.0.
DDA Event type ke.
ISC II 03 09 29 59.5–1.1 38.31N–.03 28.28E–.04 9–13 22 0-1
ISK II 03 09 29 58.8 38.30N 28.30E 6 2.4 ¶13434215
ISCJB II 03 09 29 59.5–.70 38.31N–.04 28.28E–.05 7–9 2.4
DDA II 03 09 29 59.7 38.30N 28.33E 7 2.8
CSEM II 03 09 29 59.7–.21 38.30N 28.29E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.1km az=139.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=133.0.
ISC II 03 10 14 05.9–1.2 39.72N–.03 41.82E–.03 10–9 36 0-2
DDA II 03 10 14 06.9 39.81N 41.85E 7 2.9 ¶13434216
CSEM II 03 10 14 06.4–.46 39.68N 41.75E 16–4 2.9
ISCJB II 03 10 14 07.3–.64 39.77N–.03 41.83E–.04 9–5 2.9
ISK II 03 10 14 07.2 39.69N 41.79E 15 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=6.7km az=17.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.7km az=22.5.
ISC II 03 11 16 07.9–.93 41.09N–.06 36.17E–.03 9–7 35 0-3
ISK II 03 11 16 06.0 41.09N 36.26E 7 2.7 ¶13434218
DDA II 03 11 16 07.2 41.21N 36.21E 7 2.7
ISCJB II 03 11 16 08.5–.76 41.12N–.05 36.14E–.04 2–6 2.7
CSEM II 03 11 16 08.4–.32 41.11N 36.13E 5 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.2km az=14.8.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=5.2km az=17.0.
ISC II 03 13 34 23.5–.93 39.96N–.02 28.10E–.02 11–9 54 0-2
ISK II 03 13 34 22.7 39.95N 28.12E 11 2.7 ¶13434220
ISCJB II 03 13 34 23.3–.40 39.98N–.03 28.10E–.04 10–5 2.7
DDA II 03 13 34 23.9 39.96N 28.10E 7 3.0
CSEM II 03 13 34 23.4–.11 39.96N 28.11E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.6km az=169.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=32.0.
ISC II 03 13 59 14.6–1.0 40.52N–.03 34.12E–.03 10–10 42 0-2
ISCJB II 03 13 59 14.7–.54 40.51N–.03 34.11E–.04 7–5 ¶13434221
ISK II 03 13 59 14.5 40.51N 34.10E 10 2.9
DDA II 03 13 59 14.2 40.50N 34.14E 7 3.0
CSEM II 03 13 59 14.8–.14 40.51N 34.11E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=43.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=47.0.
ISC II 03 18 54 20.2–3.9 37.03N–.05 34.3E–.20 7–11 13 0-1
ISK II 03 18 54 20.9 36.95N 34.36E 14 2.7 ¶13434232
DDA II 03 18 54 20.2 37.00N 34.40E 7 2.7
CSEM II 03 18 54 20.1–.22 37.04N 34.32E 6–0 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=1.5km az=96.0.

ISC II 03 21 36 18.9–2.0 38.3N–.10 38.84E–.05 11 8 0-1
ISCJB II 03 21 36 18.8–1.4 38.3N–.10 38.83E–.07 11 ¶15133061
DDA II 03 21 36 19.3 38.33N 38.79E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=5.5km az=160.0.
DDA Event type ke.
ISC II 04 06 07 24.7–1.4 36.17N–.03 31.51E–.02 9–11 125 1-11
HLW II 04 06 07 24.8 36.34N 31.22E 31–25 3.9,3.8L ¶12082926
NIC II 04 06 07 25.4–.20 36.11N 31.46E 10 3.6L,3.2W
ISCJB II 04 06 07 25.8–1.1 36.09N–.02 31.42E–.03 29–11 3.6L,3.2W
CSEM II 04 06 07 25.1–.10 36.12N 31.44E 10 3.2W,3.2W
DDA II 04 06 07 25.6 36.20N 31.45E 30 3.5,3.2W
ISK II 04 06 07 26.4 36.13N 31.48E 32 3.6,3.2W
ISC Event type ke.
NIC Moment Tensor Solution. $M_0 4.70000 \times 10^{13}$
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=139.9.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=56.0.
DDA Event type ke.
DDA II 04 11 06 55.4 37.55N 35.64E 7 2.7
¶15133091
DDA Event type ke.
ISC II 04 15 42 37.3–.82 38.52N–.03 43.39E–.04 16–5 32 0-1
DDA II 04 15 42 37.0 38.45N 43.26E 7 2.9 ¶13434251
CSEM II 04 15 42 36.8–.28 38.53N 43.42E 20–0 2.6
ISCJB II 04 15 42 37.7–.62 38.51N–.03 43.44E–.06 16–6 2.6
ISK II 04 15 42 37.1 38.57N 43.38E 17 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=6.4km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.2km az=0.8.
ISC II 04 17 24 00.3–1.1 40.44N–.02 42.35E–.02 9–10 55 1-3
ISK II 04 17 23 58.6 40.46N 42.33E 5 3.1 ¶13434254
TIF II 04 17 23 59.7 40.43N 42.29E 13–4 3.1
DDA II 04 17 23 59.8 40.46N 42.43E 7 3.1
CSEM II 04 17 23 59.8–.29 40.43N 42.32E 8 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.7km az=52.0.
ISC II 04 19 51 32.4–.96 39.42N–.04 33.07E–.03 6–5 28 0-1
ISK II 04 19 51 29.8 39.35N 32.96E 2 2.6 ¶13434259
ISCJB II 04 19 51 32.7–.69 39.42N–.04 33.05E–.05 4–5 2.6
DDA II 04 19 51 32.3 39.53N 33.12E 18 2.7
CSEM II 04 19 51 32.4–.25 39.45N 33.08E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.8km az=165.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.4km az=176.0.
ISC II 04 20 23 24.2–1.7 36.74N–.07 34.70E–.06 14–11 21 0-1
DDA II 04 20 23 22.2 36.60N 34.69E 7 2.6 ¶13434260
CSEM II 04 20 23 23.8–.71 36.69N 34.77E 10 2.4
ISK II 04 20 23 24.3 37.07N 34.69E 12 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.2km s-min=9.0km az=33.0.
ISC II 04 23 22 30.7–1.2 39.59N–.03 26.51E–.03 15–11 28 0-2
ISCJB II 04 23 22 30.6–1.1 39.62N–.04 26.46E–.05 9–7 ¶14358794
ATH II 04 23 22 30.7 39.59N 26.49E 29–1 3.4
DDA II 04 23 22 30.2 39.62N 26.51E 7 2.7
CSEM II 04 23 22 31.1–.13 39.59N 26.53E 16–1 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=6.1km az=135.4.
ATH Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=167.0.
ISC II 05 02 26 40.3–1.2 40.47N–.03 42.36E–.03 6–13 44 1-2
ISK II 05 02 26 39.3 40.49N 42.31E 5 2.9 ¶13434266
ISCJB II 05 02 26 40.8–.57 40.46N–.02 42.31E–.04 6–5 2.9
DDA II 05 02 26 40.3 40.45N 42.36E 7 2.9
CSEM II 05 02 26 40.9–.28 40.45N 42.30E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=8.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=5.4km az=31.0.
ISC II 05 04 09 51.9–1.0 40.91N–.02 33.91E–.02 4–10 65 0-3
ISCJB II 05 04 09 51.9–.40 40.93N–.02 33.89E–.03 5–5 ¶13434268
ISK II 05 04 09 51.4 40.92N 33.92E 5 3.1
DDA II 05 04 09 51.6 40.90N 33.85E 7 3.0
CSEM II 05 04 09 51.7–.09 40.91N 33.93E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.9km az=13.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=101.0.
ISC II 05 07 06 03.5–.94 39.73N–.03 38.82E–.04 15–9 27 0-1
ISK II 05 07 06 02.2 39.79N 38.73E 16 2.5 ¶13434276
ISCJB II 05 07 06 03.7–.54 39.73N–.03 38.81E–.05 6–11 2.5
DDA II 05 07 06 03.4 39.71N 38.83E 7 2.8
CSEM II 05 07 06 03.5–.16 39.73N 38.81E 12 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=32.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.7km az=113.0.
ISC II 05 11 05 33.7–1.1 36.87N–.02 35.95E–.02 5–11 47 0-2
ISCJB II 05 11 05 33.9–.53 36.86N–.03 35.96E–.03 9–5 ¶13434284
ISK II 05 11 05 33.9 36.89N 35.98E 8 2.8
DDA II 05 11 05 33.2 36.87N 35.94E 7 3.0
CSEM II 05 11 05 34.1–.21 36.87N 35.95E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=177.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.3km az=126.0.
ISC II 05 11 36 47.5–.84 38.38N–.02 38.94E–.02 11–6 74 0-3
ISK II 05 11 36 46.6 38.40N 38.93E 5 3.1 ¶12855138
DDA II 05 11 36 46.9 38.38N 38.95E 15 3.6,3.6L
ISCJB II 05 11 36 47.2–.45 38.37N–.02 38.93E–.02 5–4 3.6,3.6L
CSEM II 05 11 36 47.4–.15 38.39N 38.92E 2 3.6L,3.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=154.3.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=149.0.
ISC II 05 15 27 21.6–1.1 41.45N–.02 27.49E–.02 4–10 195 0-6
SOF II 05 15 27 20.8 41.48N 27.51E 10 3.0 ¶13434297
ISK II 05 15 27 20.4 41.54N 27.50E 10 3.5L
ISCJB II 05 15 27 21.0–.44 41.49N–.02 27.47E–.02 8–3 3.5L
THE II 05 15 27 21.2 41.42N 27.50E 1–3 3.4L
DDA II 05 15 27 21.3 41.51N 27.52E 7 3.4
CSEM II 05 15 27 22.0–.10 41.45N 27.49E 10 3.5L
ATH II 05 15 27 23.1 41.36N 27.38E 24–2 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=22.4.
THE Event type ke. Error ellipse: s-maj=4.8km s-min=1.2km az=96.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=31.0.
ATH Error ellipse: s-maj=3.7km s-min=2.9km az=-1.0.
ISC II 05 15 39 58.2–.00 37.11N–.05 27.95E–.02 23–9 31 0-2
ISCJB II 05 15 39 57.2–.75 36.99N–.06 27.99E–.04 26–7 ¶13434298
ISK II 05 15 39 57.4 37.28N 27.92E 6 2.9
CSEM II 05 15 39 57.9–.45 37.05N 27.98E 10 2.9
DDA II 05 15 39 58.8 37.08N 27.94E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.3km az=4.3.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=7.1km az=8.0.

DDA Event type ke.
ISC II 05 16 12 46.3–1.1 37.99N–.02 27.57E–.02 4–10 105 0-3
ISK II 05 16 12 45.9 38.00N 27.54E 5 3.2 ¶13434302
ATH II 05 16 12 45.8 37.97N 27.60E 17–5 3.3
DDA II 05 16 12 45.8 38.00N 27.57E 8 3.1
CSEM II 05 16 12 46.2–.12 37.98N 27.57E 2 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=3.6km s-min=5.9km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=96.0.
ISC II 05 19 15 00.9–1.1 37.79N–.03 37.71E–.03 6–10 51 0-3
ISK II 05 19 15 00.2 37.80N 37.71E 6 3.3 ¶13434305
DDA II 05 19 15 00.8 37.79N 37.75E 7 3.3
CSEM II 05 19 15 00.7–.12 37.79N 37.71E 5 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=141.0.
ISC II 05 20 08 56.9–.89 37.88N–.02 27.09E–.02 12–6 3.6b 258 0-41
IDC II 05 20 08 55.9–1.4 37.81N 27.18E 0 3.5b,3.4 ¶12699620
ISK II 05 20 08 55.0 37.88N 26.99E 6 3.5L,3.4
CSEM II 05 20 08 56.9–.09 37.88N 27.05E 10 3.4L,3.4
ISCJB II 05 20 08 56.2–.39 37.90N–.01 27.05E–.02 11–3 3.4b,3.4
DDA II 05 20 08 56.3 37.91N 27.10E 8 3.4,3.4L
ATH II 05 20 08 56.0 37.91N 27.04E 24–1 3.6,3.2L
THE II 05 20 08 57.3 37.87N 27.09E 8–1 3.8L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=29.9km s-min=24.2km az=132.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=104.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=3.3.
DDA Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=248.0.
ISC II 05 20 55 57.8–.85 39.16N–.03 29.45E–.03 13–6 35 0-2
ISK II 05 20 55 57.3 39.14N 29.46E 9 2.8 ¶13434306
DDA II 05 20 55 57.0 39.12N 29.53E 17 2.8
CSEM II 05 20 55 57.6–.10 39.15N 29.45E 10 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=146.0.
ISK II 06 00 24 35.8 37.01N 28.29E 13 1.9
¶13434311
ISK II 06 01 52 05.2 40.41N 28.94E 10 2.6
CSEM II 06 01 52 05.2 40.41N 28.94E 10 2.6 ¶13434312
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISK II 06 02 06 57.6 40.37N 27.48E 12 2.8
CSEM II 06 02 06 57.9–.04 40.37N 27.48E 12 2.8 ¶13434313
DDA II 06 02 06 58.5 40.36N 27.43E 9 3.0L
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=8.0.
DDA Event type ke.
ISC II 06 02 24 31.2–.91 38.60N–.03 27.05E–.02 12–9 73 0-2
ISK II 06 02 24 30.6 38.61N 27.08E 6 3.1 ¶13434315
DDA II 06 02 24 30.7 38.62N 27.02E 7 2.9
ISCJB II 06 02 24 31.1–.52 38.59N–.04 27.05E–.04 11–5 2.9
CSEM II 06 02 24 31.1–.15 38.60N 27.05E 8 3.1
ATH II 06 02 24 34.4 38.40N 26.87E 23 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.1km az=153.8.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=112.0.
ISC II 06 05 07 51.6–1.2 37.45N–.03 27.22E–.03 3–14 38 0-3
ISK II 06 05 07 51.9 37.46N 27.27E 5 2.9 ¶13434319
DDA II 06 05 07 51.3 37.45N 27.25E 7 3.0
CSEM II 06 05 07 52.2–.19 37.47N 27.23E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=61.0.
ISC II 06 06 51 22.3–1.1 40.46N–.02 42.36E–.01 1–10 139 1-4
NSSP II 06 06 51 16.6 40.52N 42.27E 5 3.3s ¶13434320
ISK II 06 06 51 21.0 40.45N 42.34E 5 3.5L
TIF II 06 06 51 21.6 40.39N 42.35E 11–2 3.5L
DDA II 06 06 51 21.8 40.42N 42.38E 8 3.6
CSEM II 06 06 51 22.3–.16 40.47N 42.37E 2 3.5L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=5.0.
ISC II 06 09 36 49.8–1.1 38.19N–.03 28.78E–.04 14–9 40 0-2
ISK II 06 09 36 47.9 38.16N 28.90E 12 3.2 ¶13434323
DDA II 06 09 36 50.6 38.22N 28.71E 7 2.8
CSEM II 06 09 36 50.2–.30 38.18N 28.74E 20 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=6.3km az=82.0.
DDA II 06 10 05 52.1 38.26N 38.13E 7 2.6
¶15133128
DDA Event type ke.
ISC II 06 10 54 59.1–.87 39.97N–.02 28.87E–.02 7–6 56 0-1
ISK II 06 10 54 58.7 39.97N 28.87E 5 2.6 ¶13434327
DDA II 06 10 54 58.6 39.98N 28.86E 13 2.7
ISCJB II 06 10 54 59.1–.41 39.96N–.03 28.86E–.03 6–5 2.7
CSEM II 06 10 54 59.1–.10 39.97N 28.88E 5 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=44.2.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=117.0.
ISC II 06 19 47 32.0–1.0 40.46N–.02 42.28E–.02 15–9 52 1-3
ISK II 06 19 47 30.8 40.49N 42.25E 15 3.3 ¶13434339
ISCJB II 06 19 47 31.9–.52 40.43N–.02 42.27E–.04 9–5 3.3
DDA II 06 19 47 31.8 40.41N 42.31E 7 3.1
CSEM II 06 19 47 31.3–.25 40.42N 42.26E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=179.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.8km az=46.0.
ISC II 07 01 25 17.9–1.6 37.75N–.04 37.82E–.05 6–13 12 0-1
DDA II 07 01 25 17.4 37.78N 37.75E 5 2.8 ¶15133160
ISCJB II 07 01 25 18.5–.83 37.77N–.03 37.79E–.06 0–12 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC II 07 03 33 55.4–1.2 39.31N–.03 43.89E–.05 10–10 28 0-2
DDA II 07 03 33 53.7 39.20N 43.92E 7 3.0 ¶13434351
ISK II 07 03 33 54.4 39.32N 43.88E 5 2.8
ISCJB II 07 03 33 55.5–.86 39.29N–.04 43.93E–.06 1–6 2.8
CSEM II 07 03 33 55.6–.34 39.34N 43.88E 2 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.5km az=157.5.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=6.5km az=72.0.
ISC II 07 03 37 30.9–.99 39.24N–.03 43.87E–.05 17–6 24 0-2
DDA II 07 03 37 27.4 39.09N 43.98E 7 2.9 ¶13434352
ISK II 07 03 37 30.7 39.26N 43.83E 16 2.9
CSEM II 07 03 37 30.7–.28 39.32N 43.88E 2 2.9
ISCJB II 07 03 37 31.7–.78 39.23N–.05 43.87E–.07 15–7 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC II 07 05 23 32.8–1.0 38.34N–.04 28.32E–.04 11–11 26 0-2
ISK II 07 05 23 30.9 38.79N 28.90E 21 2.7 ¶13434356
DDA II 07 05 23 33.1 38.34N 28.32E 15 2.5
CSEM II 07 05 23 33.7–.35 38.32N 28.38E 2 2.7

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.7km az=137.0.
ISC II 07 07 10 08.4–.96 37.01N–.03 28.23E–.03 10–7 37 0-2
ISK II 07 07 10 07.2 37.32N 28.22E 18 2.5 ¶13434358
CSEM II 07 07 10 07.7–.32 36.90N 28.26E 2 2.5
DDA II 07 07 10 08.7 36.98N 28.24E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=5.0.
DDA Event type ke.
ISC II 07 13 11 07.0–1.0 38.95N–.02 28.63E–.02 13–10 66 0-2
ISCJB II 07 13 11 06.9–.48 38.94N–.02 28.63E–.03 2–5 ¶13434364
ISK II 07 13 11 06.9 38.96N 28.61E 6 2.9
DDA II 07 13 11 06.8 38.95N 28.64E 7 2.8
CSEM II 07 13 11 07.2–.12 38.95N 28.62E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=173.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=137.0.
ISC II 07 14 34 59.5–1.1 37.04N–.04 27.94E–.02 8–9 30 0-2
ISK II 07 14 34 58.6 37.09N 27.92E 5 2.6 ¶13434366
CSEM II 07 14 34 59.2–.40 37.01N 27.97E 2 2.6
DDA II 07 14 35 00 37.07N 27.91E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.8km az=5.0.
DDA Event type ke.
ISC II 08 00 25 34.6–1.1 39.38N–.02 40.70E–.02 4–11 50 0-2
ISK II 08 00 25 34.0 39.39N 40.71E 4 3.1 ¶13434375
DDA II 08 00 25 34.6 39.41N 40.71E 7 3.2
CSEM II 08 00 25 34.1–.25 39.36N 40.68E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=5.6km az=139.0.
ISC II 08 02 10 59.6–1.0 37.20N–.02 36.45E–.02 8–10 60 0-3
ISK II 08 02 10 58.9 37.22N 36.44E 6 3.0 ¶13434378
ISCJB II 08 02 10 59.5–.45 37.18N–.02 36.44E–.03 3–4 3.0
DDA II 08 02 10 59.6 37.18N 36.46E 10 3.3
CSEM II 08 02 10 59.7–.11 37.19N 36.43E 5 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=139.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=134.0.
ISC II 08 03 30 32.4–1.1 39.57N–.02 33.85E–.02 2–10 91 0-3
ISK II 08 03 30 31.3 39.56N 33.84E 3 3.5 ¶13434380
DDA II 08 03 30 31.2 39.54N 33.84E 4 3.2
CSEM II 08 03 30 32.1–.09 39.56N 33.86E 2 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=170.0.
ISK II 08 06 37 22.9 37.65N 38.82E 7 2.6
CSEM II 08 06 37 23.3–.17 37.64N 38.81E 10 2.6 ¶12855147
DDA II 08 06 37 23.4 37.67N 38.79E 7 2.6
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=105.0.
DDA Event type ke.
ISC II 08 10 38 45.1–.94 37.80N–.03 27.43E–.02 9–8 46 0-3
DDA II 08 10 38 45.9 37.79N 27.41E 7 2.9 ¶13434388
ISCJB II 08 10 38 46.3–.47 37.78N–.03 27.41E–.04 9–4 2.9
ISK II 08 10 38 46.8 37.84N 27.51E 8 3.0
CSEM II 08 10 38 46.5–.25 37.80N 27.46E 2 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=139.8.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=61.0.
ISC II 08 14 12 48.3–1.0 38.54N–.03 39.52E–.03 14–8 35 0-2
ISK II 08 14 12 47.5 38.53N 39.59E 11 2.8 ¶13434391
ISCJB II 08 14 12 48.9–.56 38.56N–.03 39.50E–.04 8–6 2.8
DDA II 08 14 12 48.0 38.57N 39.53E 7 2.8
CSEM II 08 14 12 49.1–.34 38.54N 39.47E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=5.1km az=33.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=5.1km az=127.0.
ISC II 08 18 17 55.9–1.1 38.03N–.02 30.07E–.02 8–9 92 0-3
ISCJB II 08 18 17 55.7–.50 38.04N–.02 30.06E–.03 6–4 ¶13434396
ISK II 08 18 17 55.4 38.04N 30.05E 13 3.2
DDA II 08 18 17 55.1 38.03N 30.09E 5 2.9
CSEM II 08 18 17 55.9–.14 38.03N 30.06E 8 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=166.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=69.0.
ISC II 08 19 11 01.4–1.3 37.57N–.08 35.77E–.04 15–5 22 0-1
ISK II 08 19 11 00.2 37.59N 35.72E 15 2.8 ¶13434398
CSEM II 08 19 11 01.8–.76 37.53N 35.74E 15 2.8
ISCJB II 08 19 11 02.4–.94 37.52N–.07 35.77E–.05 13–5 2.8
DDA II 08 19 11 02.7 37.48N 35.68E 7 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.6km s-min=8.7km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=6.1km az=167.6.
DDA Event type ke.
ISC II 08 19 44 03.6–.96 39.82N–.02 28.69E–.02 10–9 48 0-1
ISK II 08 19 44 02.9 39.82N 28.69E 9 2.9 ¶13434399
ISCJB II 08 19 44 03.2–.45 39.83N–.03 28.70E–.04 6–6 2.9
CSEM II 08 19 44 03.5–.07 39.82N 28.69E 10 2.7L
DDA II 08 19 44 06.1 39.67N 28.68E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.1km az=17.8.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=109.0.
DDA Event type ke.
ISC II 09 07 25 13.6–.94 38.71N–.02 43.51E–.03 14–8 51 0-3
NSSP II 09 07 25 06.0 38.58N 43.40E 5 2.7s ¶13434411
DDA II 09 07 25 11.7 38.70N 43.58E 3 3.3
CSEM II 09 07 25 12.9–.26 38.73N 43.52E 10 3.2
ISK II 09 07 25 13.2 38.76N 43.50E 9 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.6km az=111.0.
ISC II 09 08 23 26.2–1.1 40.26N–.02 32.12E–.01 1–10 138 1-3
ISK II 09 08 23 25.1 40.27N 32.14E 5 3.5 ¶13434413
DDA II 09 08 23 25.8 40.26N 32.09E 26 3.5L,3.2
CSEM II 09 08 23 26.4–.10 40.25N 32.13E 2 3.5,3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=1.0.
ISC II 09 08 52 06.4–1.0 40.43N–.03 42.35E–.03 15–10 32 1-3
DDA II 09 08 52 06.3 40.45N 42.34E 7 3.0 ¶15133179
CSEM II 09 08 52 06.3 40.45N 42.34E 7 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 09 12 08 32.6–1.1 39.85N–.03 41.94E–.03 12–11 31 0-1
ISK II 09 12 08 32.7 39.87N 41.97E 12 2.9 ¶13434415
DDA II 09 12 08 32.7 39.88N 41.99E 7 2.7
CSEM II 09 12 08 32.5–.30 39.86N 41.93E 15 2.7
ISCJB II 09 12 08 33.0–.55 39.85N–.03 41.96E–.04 11–5 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC II 09 15 31 18.4–1.2 37.63N–.06 35.65E–.03 14–7 28 0-2
ISCJB II 09 15 31 18.1–1.1 37.67N–.07 35.66E–.05 5–7 ¶13434419

ISK	II	09 15 31 18.0	37.63N	35.67E	13	2.7		
CSEM	II	09 15 31 18.7–.34	37.64N	35.66E	15	2.7		
DDA	II	09 15 31 20.2	37.51N	35.65E	7	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.5km s-min=5.4km az=164.6.							
CSEM	Event type ke. Error ellipse: s-maj=8.4km s-min=5.5km az=168.0.							
DDA	Event type ke.							
ISC	**II**	**10 10 17 35.3–.92**	**39.94N–.02**	**39.26E–.02**	**11–8**		**69**	**0-4**
ISCJB	II	10 10 17 34.6–.50	39.93N–.02	39.26E–.03	3–5			¶13434437
ISK	II	10 10 17 34.3	39.95N	39.28E	6	3.2L		
DDA	II	10 10 17 34.8	39.96N	39.22E	18	3.4		
CSEM	II	10 10 17 34.8–.14	39.95N	39.26E	2	3.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=24.9.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=129.0.							
ISC	**II**	**11 01 08 32.9–.96**	**39.80N–.02**	**41.10E–.02**	**14–8**		**78**	**0-4**
DDA	II	11 01 08 31.9	39.82N	41.07E	10	3.6		¶13434445
ISCJB	II	11 01 08 32.3–.51	39.79N–.02	41.12E–.03	6–5	3.6		
ISK	II	11 01 08 32.0	39.76N	41.15E	10	3.3		
CSEM	II	11 01 08 32.6–.15	39.79N	41.15E	8	3.3		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=177.8.							
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=15.0.							
ISC	**II**	**11 07 19 50.3–1.0**	**37.46N–.03**	**35.90E–.03**	**31–6**		**44**	**0-2**
ISK	II	11 07 19 49.6	37.40N	35.93E	28	2.8		¶13434451
DDA	II	11 07 19 49.8	37.42N	35.92E	7	2.9		
ISCJB	II	11 07 19 50.5–.54	37.46N–.04	35.91E–.04	26–5	2.9		
CSEM	II	11 07 19 50.5–.21	37.45N	35.92E	26–2	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.2km s-min=5.0km az=21.2.							
CSEM	Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=27.0.							
ISC	**II**	**11 13 10 52.1–1.1**	**38.43N–.03**	**40.38E–.03**	**10–11**		**23**	**0-2**
ISCJB	II	11 13 10 52.2–.61	38.44N–.03	40.34E–.05	8–7			¶13434461
ISK	II	11 13 10 52.5	38.47N	40.31E	9	2.7		
DDA	II	11 13 10 52.2	38.42N	40.38E	7	2.8		
CSEM	II	11 13 10 53.1–.64	38.38N	40.38E	36–14	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.4km s-min=4.8km az=7.3.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=20.1km s-min=19.5km az=161.0.							
ISC	**II**	**11 13 18 29.3–1.0**	**38.09N–.03**	**28.81E–.03**	**15–9**		**37**	**0-1**
ISK	II	11 13 18 28.5	38.07N	28.78E	5	2.7		¶13434463
ISCJB	II	11 13 18 29.7–.55	38.10N–.03	28.82E–.04	9–6	2.7		
DDA	II	11 13 18 30.0	38.11N	28.83E	7	2.5		
CSEM	II	11 13 18 29.5–.29	38.09N	28.81E	20	2.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=5.9.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.9km s-min=5.8km az=94.0.							
ISC	**II**	**11 16 14 31.5–1.1**	**38.80N–.02**	**41.53E–.02**	**5–10**		**59**	**0-3**
ISK	II	11 16 14 30.8	38.74N	41.57E	9	3.2		¶13434470
CSEM	II	11 16 14 31.4–.21	38.82N	41.51E	2	3.2		
ISCJB	II	11 16 14 32.2–.50	38.80N–.02	41.55E–.03	9–4	3.2		
DDA	II	11 16 14 32	38.76N	41.55E	10	2.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=50.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=160.3.							
DDA	Event type ke.							
DDA	**II**	**11 20 47 55.3**	**37.98N**	**38.36E**	**7**	**2.6**		
								¶15133203
DDA	Event type ke.							
DDA	**II**	**12 01 37 54.5**	**38.14N**	**38.22E**	**7**	**2.7**		
								¶15133227
DDA	Event type ke.							
ISC	**II**	**12 11 01 22.9–1.1**	**38.55N–.04**	**43.27E–.06**	**7–13**		**18**	**0-1**
ISCJB	II	12 11 01 23.0–.90	38.54N–.08	43.3E–.20	6–22			¶13434536
ISK	II	12 11 01 22.4	38.54N	43.26E	2	2.7		
CSEM	II	12 11 01 22.8–.29	38.53N	43.25E	2	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=25.8km s-min=7.7km az=28.4.							
CSEM	Event type ke. Error ellipse: s-maj=8.4km s-min=5.1km az=82.0.							
ISC	**II**	**12 18 41 42.8–.99**	**37.16N–.02**	**36.35E–.02**	**13–10**		**38**	**0-2**
ISK	II	12 18 41 42.1	37.17N	36.36E	15	2.5		¶13434557
CSEM	II	12 18 41 43.2–.26	37.14N	36.34E	2	2.9		
DDA	II	12 18 41 44.1	37.17N	36.42E	7	2.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.5km s-min=5.1km az=118.0.							
DDA	Event type ke.							
ISC	**II**	**12 18 43 29.4–1.1**	**37.16N–.03**	**36.38E–.03**	**7–12**		**38**	**0-3**
ISCJB	II	12 18 43 28.8–.62	37.15N–.04	36.37E–.04	1–7			¶13434558
DDA	II	12 18 43 28.6	37.13N	36.27E	20	2.9		
ISK	II	12 18 43 28.7	37.18N	36.37E	5	2.7		
CSEM	II	12 18 43 29.2–.18	37.16N	36.37E	3–2	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.2km s-min=4.9km az=27.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=30.0.							
ISC	**II**	**12 19 38 23.5–1.2**	**37.45N–.03**	**38.61E–.02**	**2–13**		**72**	**0-4**
DDA	II	12 19 38 22.8	37.44N	38.61E	4	3.7L		¶13434560
ISK	II	12 19 38 22.2	37.46N	38.60E	5	3.3		
CSEM	II	12 19 38 23.4–.23	37.45N	38.58E	2	3.3		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=161.0.							
ISC	**II**	**13 04 50 32.4–.97**	**37.52N–.04**	**38.63E–.03**	**9–9**		**34**	**0-2**
ISK	II	13 04 50 31.8	37.52N	38.63E	8	2.7		¶13434573
ISCJB	II	13 04 50 32.5–.61	37.54N–.04	38.63E–.04	4–7	2.7		
DDA	II	13 04 50 33.0	37.57N	38.61E	7	2.8		
CSEM	II	13 04 50 32.4–.19	37.52N	38.63E	8	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.8km s-min=4.8km az=172.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=171.0.							
ISC	**II**	**13 06 43 41.1–2.0**	**38.04N–.09**	**37.93E–.10**	**9**		**6**	**0-1**
DDA	II	13 06 43 40.8	38.04N	37.90E	7	2.8		¶15133232
ISCJB	II	13 06 43 41.5–1.8	38.06N–.07	38.0E–.10	9	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke.							
ISC	**II**	**13 10 05 15.8–.96**	**39.27N–.02**	**29.12E–.02**	**9–9**		**64**	**0-2**
ISCJB	II	13 10 05 15.6–.44	39.27N–.02	29.12E–.03	6–4			¶13434580
ISK	II	13 10 05 15.4	39.27N	29.12E	8	2.6		
DDA	II	13 10 05 15.3	39.27N	29.11E	7	2.8		
CSEM	II	13 10 05 15.8–.08	39.27N	29.12E	8	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.9km s-min=3.7km az=153.7.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=90.0.							
ISC	**II**	**13 10 26 19.6–1.3**	**38.69N–.03**	**35.66E–.03**	**2–11**		**45**	**0-3**
ISK	II	13 10 26 18.1	38.69N	35.64E	5	3.1		¶13434581
DDA	II	13 10 26 18.9	38.73N	35.65E	7	3.1		
CSEM	II	13 10 26 19.3–.22	38.69N	35.58E	2	3.1		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.3km s-min=4.7km az=96.0.							
ISC	**II**	**13 10 41 27.1–1.2**	**37.16N–.03**	**37.26E–.03**	**1–12**		**29**	**0-1**
ISK	II	13 10 41 26.3	37.17N	37.25E	4	2.7		¶13434583
DDA	II	13 10 41 28.0	37.13N	37.33E	7	3.0		
CSEM	II	13 10 41 27.3–.28	37.18N	37.24E	5	2.7		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=8.1km s-min=6.5km az=119.0.							
ISC	**II**	**13 23 17 55.2–1.1**	**39.40N–.05**	**33.02E–.04**	**5–7**		**23**	**0-1**
ISK	II	13 23 17 54.2	39.40N	33.00E	5	2.6		¶13434601
ISCJB	II	13 23 17 55.4–.70	39.43N–.05	33.02E–.06	5–5	2.6		
DDA	II	13 23 17 55.4	39.40N	33.08E	7	2.7		
CSEM	II	13 23 17 55.1–.30	39.46N	33.03E	8	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.0km s-min=6.0km az=136.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.7km s-min=6.8km az=146.0.							
ISC	**II**	**14 01 43 24.2–1.1**	**40.80N–.03**	**31.58E–.02**	**8–10**		**63**	**0-2**
ISK	II	14 01 43 22.2	40.79N	31.60E	5	3.0		¶13434607
DDA	II	14 01 43 24.1	40.80N	31.58E	7	2.9		
CSEM	II	14 01 43 24.0–.17	40.78N	31.58E	5	3.0		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=3.0km az=169.0.							
ISC	**II**	**14 10 44 47.1–1.1**	**37.49N–.02**	**38.58E–.02**	**8–10**		**77**	**1-4**
DDA	II	14 10 44 47.5	37.51N	38.54E	27	3.6		¶12855158
ISK	II	14 10 44 47.5	37.57N	38.46E	5	3.5		
CSEM	II	14 10 44 47.3–.17	37.49N	38.61E	2	3.5		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=138.0.							
ISC	**II**	**14 15 30 46.1–.92**	**37.17N–.03**	**37.14E–.03**	**4–7**		**41**	**0-2**
ISK	II	14 15 30 45.4	37.23N	37.15E	2	2.9		¶13434626
CSEM	II	14 15 30 45.9–.18	37.20N	37.11E	5	2.9		
ISCJB	II	14 15 30 46.2–.66	37.18N–.03	37.11E–.04	3–7	2.9		
DDA	II	14 15 30 46.6	37.10N	37.18E	7	2.8		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=146.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=4.2km az=141.6.							
DDA	Event type ke.							
ISC	**II**	**14 16 16 47.9–1.6**	**39.36N–.05**	**38.33E–.08**	**8–8**		**23**	**0-1**
ISCJB	II	14 16 16 47.8–1.5	39.40N–.06	38.4E–.10	9–8			¶13434628
CSEM	II	14 16 16 47.7–.65	39.37N	38.34E	2	2.6		
DDA	II	14 16 16 48.8	39.31N	38.37E	6	2.8		
ISK	II	14 16 16 50.4	39.41N	38.67E	5	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=16.2km s-min=8.5km az=20.8.							
CSEM	Event type ke. Error ellipse: s-maj=15.2km s-min=6.1km az=124.0.							
DDA	Event type ke.							
ISC	**II**	**14 17 45 56.3–1.0**	**37.91N–.02**	**29.16E–.02**	**6–12**		**51**	**0-2**
DDA	II	14 17 45 55.8	37.91N	29.17E	7	3.2		¶13434630
ISCJB	II	14 17 45 56.0–.57	37.91N–.02	29.17E–.04	1–6	3.2		
ISK	II	14 17 45 56.3	37.95N	29.18E	6	2.7		
CSEM	II	14 17 45 56.2–.11	37.92N	29.18E	2	3.2		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=22.6.							
CSEM	Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=110.0.							
ISC	**II**	**14 17 58 55.8–1.2**	**37.95N–.02**	**29.10E–.03**	**0–16**		**42**	**0-2**
DDA	II	14 17 58 54.8	37.91N	29.15E	7	3.0		¶13434631
CSEM	II	14 17 58 55.0–.22	37.91N	29.17E	2	3.0		
ISK	II	14 17 58 58.6	38.17N	29.19E	13	2.7		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=136.0.							
ISC	**II**	**14 19 37 28.7–1.0**	**37.89N–.03**	**29.18E–.03**	**8–12**		**40**	**0-3**
ISCJB	II	14 19 37 28.6–.69	37.89N–.03	29.17E–.05	2–7			¶13434632
ISK	II	14 19 37 28.6	37.98N	29.16E	5	3.1		
DDA	II	14 19 37 28.7	37.91N	29.18E	4	3.0		
CSEM	II	14 19 37 28.5–.17	37.89N	29.19E	0–1	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.5km s-min=4.3km az=32.7.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=127.0.							
DDA	**II**	**14 20 45 57.0**	**37.90N**	**29.21E**	**7**	**2.8**		
								¶15133261
DDA	Event type ke.							
DDA	**II**	**14 20 46 34.5**	**37.95N**	**29.17E**	**3**	**2.6**		
								¶15133258
DDA	Event type ke.							
ISC	**II**	**14 20 49 42.4–3.4**	**37.6N–.20**	**39.25E–.07**	**15–18**		**17**	**1-2**
DDA	II	14 20 49 36.7	37.14N	39.11E	5	3.5		¶13434634
CSEM	II	14 20 49 37.0–.13	37.16N	39.09E	5	3.1		
ISK	II	14 20 49 45.1	38.12N	39.41E	5	3.1		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=163.0.							
ISC	**II**	**14 20 50 19.3–1.0**	**37.92N–.02**	**29.13E–.02**	**5–10**		**73**	**0-3**
ISK	II	14 20 50 18.0	37.82N	29.36E	5	3.4		¶13434635
DDA	II	14 20 50 18.6	37.91N	29.16E	7	3.9L,3.7		
CSEM	II	14 20 50 19.4–.24	37.90N	29.14E	2	3.9L,3.7		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=123.0.							
ISC	**II**	**14 21 29 24.2–1.2**	**37.90N–.02**	**29.16E–.02**	**0–15**		**70**	**0-3**
ISK	II	14 21 29 23.6	37.93N	29.20E	5	3.1		¶13434637
DDA	II	14 21 29 23.7	37.91N	29.17E	3	3.6L		
CSEM	II	14 21 29 24.4–.13	37.90N	29.17E	2	3.6L		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=119.0.							
ISC	**II**	**14 21 32 31.6–.98**	**37.89N–.02**	**29.17E–.03**	**9–11**		**40**	**0-2**
ISCJB	II	14 21 32 31.3–.56	37.88N–.04	29.19E–.05	9–6			¶13434638
ISK	II	14 21 32 31.5	37.89N	29.23E	9	2.7		
DDA	II	14 21 32 31.3	37.90N	29.17E	7	2.8		
CSEM	II	14 21 32 31.3–.16	37.88N	29.20E	5	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.2km s-min=4.3km az=35.5.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=127.0.							
ISC	**II**	**14 22 01 08.5–1.1**	**37.90N–.03**	**29.18E–.03**	**8–13**		**34**	**0-2**
ISCJB	II	14 22 01 08.3–.61	37.90N–.03	29.17E–.05	6–6			¶13434640
ISK	II	14 22 01 08.2	37.90N	29.22E	9	2.7		
DDA	II	14 22 01 08.1	37.91N	29.18E	5	3.0		
CSEM	II	14 22 01 08.2–.13	37.89N	29.20E	5	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.9km s-min=4.3km az=32.5.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=126.0.							
ISC	**II**	**15 00 02 38.6–.97**	**37.91N–.04**	**29.15E–.04**	**9–11**		**40**	**0-2**
ISCJB	II	15 00 02 38.8–.60	37.91N–.03	29.15E–.05	6–6			¶13434643
DDA	II	15 00 02 38.1	37.91N	29.20E	7	2.8		
CSEM	II	15 00 02 38.8–.17	37.91N	29.17E	2	2.8		
ISK	II	15 00 02 39.3	37.94N	29.16E	6	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=29.9.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=126.0.							
ISC	**II**	**15 00 32 33.1–.94**	**37.88N–.03**	**29.19E–.03**	**12–9**		**42**	**0-2**
CSEM	II	15 00 32 32.9–.14	37.87N	29.21E	5	2.6		¶15133314
ISCJB	II	15 00 32 33.2–.63	37.89N–.03	29.18E–.05	6–5	2.6		
DDA	II	15 00 32 33.0	37.91N	29.18E	5	2.6		
ISK	II	15 00 32 33.0	37.89N	29.19E	9	2.7		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=128.0.							

ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.2km az=32.3.
DDA Event type ke.
ISC II 15 00 36 03.1–.87 37.47N–.02 38.60E–.02 7–6 90 0-4
ISK II 15 00 36 02.2 37.45N 38.62E 5 3.6 ¶12855160
DDA II 15 00 36 03.5 37.49N 38.55E 19 3.8L,3.7
CSEM II 15 00 36 03.7–.17 37.46N 38.59E 2 3.6,3.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=151.0.
ISC II 15 01 06 49.4–.96 37.47N–.03 38.57E–.02 9–8 69 0-4
ISK II 15 01 06 47.6 37.42N 38.54E 5 3.5 ¶13434648
DDA II 15 01 06 48.5 37.48N 38.58E 7 3.4
ISCJB II 15 01 06 49.0–.68 37.44N–.03 38.59E–.03 6–5 3.4
CSEM II 15 01 06 49.3–.18 37.46N 38.57E 5 3.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=163.9.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=159.0.
ISC II 15 01 07 48.4–1.2 37.49N–.03 38.58E–.02 1–11 68 0-4
ISK II 15 01 07 47.2 37.48N 38.60E 5 3.6 ¶13434649
ISCJB II 15 01 07 48.2–.57 37.48N–.03 38.59E–.03 2–5 3.6
DDA II 15 01 07 48.1 37.49N 38.56E 7 3.6
CSEM II 15 01 07 48.4–.20 37.48N 38.58E 5 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=160.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=160.0.
ISC II 15 01 20 56.9–.98 37.90N–.02 29.16E–.02 8–11 52 0-2
ISK II 15 01 20 56.8 37.93N 29.17E 5 2.9 ¶13434651
DDA II 15 01 20 56.3 37.90N 29.17E 9 3.1
CSEM II 15 01 20 56.6–.10 37.89N 29.19E 0–2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=110.0.
ISC II 15 11 05 41.0–.92 39.35N–.02 29.13E–.02 12–9 54 0-2
ISCJB II 15 11 05 40.7–.45 39.35N–.03 29.14E–.03 5–5 ¶13434661
ISK II 15 11 05 40.2 39.33N 29.13E 8 2.7
DDA II 15 11 05 40.9 39.34N 29.16E 8 2.7
CSEM II 15 11 05 41.0–.11 39.35N 29.14E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=160.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=152.0.
ISC II 15 11 10 21.2–1.3 39.06N–.04 41.79E–.03 0–11 27 0-2
ISK II 15 11 10 20.1 38.96N 41.79E 5 3.3 ¶13434662
CSEM II 15 11 10 20.5–.52 38.90N 41.65E 20–0 3.3
ISCJB II 15 11 10 22.3–.00 39.10N–.05 41.77E–.06 4–9 3.3
DDA II 15 11 10 22.6 39.08N 41.77E 7 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.8km s-min=6.7km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.7km az=139.4.
DDA Event type ke.
ISC II 15 11 27 43.1–.95 39.97N–.02 39.48E–.03 14–9 35 0-2
ISK II 15 11 27 42.3 39.97N 39.60E 8 2.7 ¶13434664
ISCJB II 15 11 27 43.2–.52 39.97N–.03 39.51E–.05 10–5 2.7
DDA II 15 11 27 43.5 39.93N 39.43E 7 2.9
CSEM II 15 11 27 43.7–.28 39.99N 39.47E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=171.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=5.6km az=107.0.
ISC II 15 14 37 31.2–1.0 37.84N–.03 38.30E–.03 12–10 24 0-2
DDA II 15 14 37 30.8 37.84N 38.31E 7 3.0 ¶15133294
CSEM II 15 14 37 30.8 37.84N 38.31E 6 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 15 16 07 34.0–1.0 40.58N–.03 26.12E–.03 11–9 47 0-2
ATH II 15 16 07 33.9 40.60N 26.09E 22–0 3.0 ¶14189537
CSEM II 15 16 07 33.9–.13 40.59N 26.13E 12 3.0
THE II 15 16 07 34.7 40.57N 26.08E 10–1 2.5L
DDA II 15 16 07 34.5 40.53N 26.24E 7 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=39.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=54.0.
DDA Event type ke.
ISC II 15 16 08 51.0–1.7 40.61N–.04 26.17E–.06 3–15 16 0-1
ATH II 15 16 08 50.6 40.59N 26.25E 27–2 2.7 ¶14359134
ISCJB II 15 16 08 52.1–2.0 40.59N–.05 26.05E–.09 15–16 2.7
CSEM II 15 16 08 52.6–.23 40.62N 26.06E 20 2.7
DDA II 15 16 08 53.2 40.54N 26.25E 7 2.7
ISC Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=7.0km az=150.9.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=5.5km az=64.0.
DDA Event type ke.
ISC II 15 17 32 24.6–1.1 37.89N–.02 29.21E–.02 8–9 47 0-2
ISK II 15 17 32 23.3 37.88N 29.19E 5 2.7 ¶13434667
ISCJB II 15 17 32 24.5–.56 37.88N–.03 29.18E–.04 1–7 2.7
DDA II 15 17 32 24.4 37.88N 29.23E 6 3.1
CSEM II 15 17 32 24.5–.15 37.87N 29.20E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.3km az=14.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=121.0.
ISC II 16 02 02 25.7–.82 39.44N–.01 26.33E–.02 15–6 246 0-8
ISK II 16 02 02 23.6 39.42N 26.17E 8 3.7L ¶13434671
DDA II 16 02 02 24.6 39.46N 26.34E 24 3.6L,3.5
THE II 16 02 02 24.3 39.45N 26.42E 0–3 3.6L,3.5
CSEM II 16 02 02 25.1–.09 39.43N 26.30E 2 3.9,3.5
ISCJB II 16 02 02 25.2–.45 39.44N–.01 26.31E–.02 8–3 3.9,3.5
ATH II 16 02 02 26.2 39.39N 26.31E 27–1 3.9,3.5
ISC Event type ke.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.5km az=94.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=169.3.
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC II 16 03 27 31.1–.88 39.42N–.03 26.33E–.03 17–7 30 0-2
ISCJB II 16 03 27 30.8–1.8 39.41N–.03 26.32E–.04 14–12 ¶14359157
ATH II 16 03 27 30.4 39.42N 26.32E 21–2 2.9
CSEM II 16 03 27 30.7–.40 39.42N 26.31E 17–3 2.9
DDA II 16 03 27 34.6 39.41N 26.73E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.4km az=139.9.
ATH Error ellipse: s-maj=1.7km s-min=2.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=6.4km az=45.0.
DDA Event type ke.
ISC II 16 07 52 08.0–1.2 39.48N–.04 39.97E–.03 5–11 25 0-1
ISK II 16 07 52 06.5 39.49N 39.98E 5 2.6 ¶13434677
CSEM II 16 07 52 07.9–.29 39.48N 39.95E 8 2.6
DDA II 16 07 52 08.5 39.54N 39.93E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=5.6km az=6.0.
DDA Event type ke.
ISC II 16 17 30 49.2–1.4 36.86N–.04 30.68E–.04 5–11 44 0-3
DDA II 16 17 30 49.1 36.89N 30.76E 9 3.1 ¶13434679
ISK II 16 17 30 50.5 36.82N 30.51E 16 3.1
CSEM II 16 17 30 51.0–.28 36.84N 30.53E 10 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.6km az=141.0.
ISC II 17 01 09 15.2–1.0 37.20N–.02 36.92E–.02 6–9 56 0-4
ISK II 17 01 09 14.1 37.21N 36.92E 3 3.2 ¶13434697
DDA II 17 01 09 14.5 37.20N 36.89E 5 3.2
ISCJB II 17 01 09 15.2–.46 37.19N–.03 36.92E–.03 5–5 3.2
CSEM II 17 01 09 15.3–.13 37.19N 36.93E 5 3.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=177.1.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=171.0.
ISC II 17 01 47 30.7–.94 37.83N–.02 27.60E–.03 10–8 45 0-2
ISCJB II 17 01 47 30.5–.48 37.84N–.03 27.60E–.04 6–7 ¶13434698
ISK II 17 01 47 30.2 37.84N 27.60E 8 2.9
DDA II 17 01 47 30.6 37.84N 27.60E 11 2.9
CSEM II 17 01 47 30.6–.12 37.83N 27.60E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=163.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=99.0.
ISC II 17 04 51 22.4–.95 39.13N–.02 29.05E–.02 11–9 104 0-2
ISK II 17 04 51 21.8 39.13N 29.08E 2 3.0 ¶15133445
DDA II 17 04 51 22.2 39.12N 29.03E 7 2.8
CSEM II 17 04 51 22.6–.08 39.12N 29.06E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=31.0.
ISC II 17 04 55 54.6–1.2 37.61N–.04 35.61E–.03 8–10 22 0-1
ISK II 17 04 55 54.3 37.60N 35.71E 18 2.5 ¶13434704
CSEM II 17 04 55 54.3–.36 37.62N 35.61E 10 2.5
DDA II 17 04 55 55.8 37.65N 35.54E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=7.7km az=95.0.
DDA Event type ke.
ISC II 17 05 28 21.6–.34 39.13N–.01 29.05E–.01 15–2 4.8b,4.4s 1433 0-146
SZGRF II 17 05 28 17.8 38.60N 29.87E 33 4.7b,4.2s ¶15956324
ATH II 17 05 28 17.7 39.13N 28.99E 5 3.9,4.2s
IDC II 17 05 28 18.9–.42 39.14N 29.10E 0 4.6,4.6b
BJI II 17 05 28 18.7 39.04N 29.14E 11 5.2b,4.9s
MOS II 17 05 28 19.8–1.2 39.24N 29.21E 12 4.9b,4.4s
ISK II 17 05 28 19.4 39.11N 29.04E 8 5.0L,4.4s
DDA II 17 05 28 19.9 39.15N 29.05E 7 4.8L,4.4s
NEIC II 17 05 28 19.0 39.11N 29.04E 7 5.0W,5.0L
PDG II 17 05 28 20.5–.77 39.17N 29.11E 11–1 4.6L,5.0L
ISCJB II 17 05 28 20.4–.25 39.15N–.01 29.05E–.01 17–2 4.7b,4.5s
CSEM II 17 05 28 20.3–.05 39.13N 29.05E 5 5.3W,5.0s
THE II 17 05 28 22.3 39.11N 28.97E 6–1 5.1L,5.0s
BEO II 17 05 28 22.7–1.6 39.38N 29.02E 1–9 5.2L,5.0s
TEH II 17 05 28 23.0 39.17N 29.29E 10 4.9L,5.0s
DJA II 17 05 28 30.7–4.1 39N–21 30E–27 50–28 6.0b,5.6
ISC Event type fe.
SZGRF Turkey.
DDA Event type ke.
NEIC Event type fe. Felt [IV] at Simav and [III] at Usak. Also felt at Balikesir, Bursa, Emet, Gediz, Golcuk, Gonen, Izmir, Kutahya, Mudanya, Tavsanli and Ulubey. After ISK. Moment Tensor Solution. $M_o 3.60000\times10^{16}$
PDG Event type ke.
ISCJB Event type fe.
CSEM Event type ke.
THE Event type ke.
BEO Event type ke.
ISC II 17 05 34 44.8–1.0 39.12N–.02 29.11E–.02 7–10 165 0-8
ISCJB II 17 05 34 44.6–.40 39.13N–.02 29.08E–.02 9–3 ¶13434706
ISK II 17 05 34 44.4 39.12N 29.10E 11 3.6L
DDA II 17 05 34 44.6 39.13N 29.04E 11 2.8
CSEM II 17 05 34 45.2–.15 39.13N 29.14E 8 3.6L
ATH II 17 05 35 06.0 39.64N 27.14E 18–4 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=25.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=79.0.
ATH Error ellipse: s-maj=2.4km s-min=6.0km az=-1.0.
ISC II 17 05 45 54.1–.94 39.14N–.02 29.05E–.02 10–10 84 0-2
ISCJB II 17 05 45 53.7–.41 39.14N–.02 29.05E–.02 4–4 ¶13434710
ISK II 17 05 45 53.7 39.16N 29.05E 7 2.9
DDA II 17 05 45 53.8 39.13N 29.05E 7 2.8
CSEM II 17 05 45 54.0–.05 39.14N 29.05E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=174.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=4.0.
ISC II 17 05 48 15.6–.97 39.14N–.02 29.04E–.02 8–10 64 0-2
ISCJB II 17 05 48 15.2–.45 39.13N–.03 29.03E–.03 1–6 ¶15133439
ISK II 17 05 48 15.0 39.13N 29.03E 5 2.8
DDA II 17 05 48 15.5 39.10N 29.06E 7 2.4
CSEM II 17 05 48 15.5–.08 39.13N 29.04E 5 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=175.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=17.0.
ISC II 17 05 52 08.6–1.0 39.15N–.02 29.03E–.01 4–8 3.5b 190 0-55
IDC II 17 05 52 08.0–1.2 39.05N 28.93E 0 3.5,3.4 ¶12700983
DDA II 17 05 52 07.7 39.12N 29.04E 21 3.5,3.4
ISCJB II 17 05 52 08.2–.37 39.14N–.02 29.04E–.02 2–3 3.4b,3.4
ISK II 17 05 52 08.2 39.14N 29.05E 5 3.6L,3.4
CSEM II 17 05 52 08.8–.09 39.14N 29.05E 2 3.6L,3.4
ATH II 17 05 52 19.1 39.38N 28.39E 32–9 3.5,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=15.9km az=22.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=11.3.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=56.0.
ATH Error ellipse: s-maj=1.8km s-min=8.5km az=-1.0.
ISC II 17 05 55 53.3–.98 39.15N–.03 29.03E–.02 15–8 57 0-2
ISCJB II 17 05 55 52.8–.41 39.14N–.03 29.04E–.03 10–5 ¶13434712
ISK II 17 05 55 52.4 39.15N 29.02E 9 2.8
DDA II 17 05 55 53.2 39.11N 29.08E 7 2.2
CSEM II 17 05 55 53.0–.10 39.15N 29.02E 10 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=172.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=3.0.
ISC II 17 06 04 36.4–1.1 39.06N–.05 41.90E–.05 8 12 0-1
ISCJB II 17 06 04 36.6–.90 39.04N–.04 41.94E–.07 8 ¶15133436
DDA II 17 06 04 36.8 39.05N 41.89E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.6km az=23.6.
DDA Event type ke.
DDA II 17 06 13 43.5 39.11N 29.05E 7 2.6
CSEM II 17 06 13 43.5 39.11N 29.05E 7 2.6 ¶13434718
ISK II 17 06 13 50.0 39.13N 29.08E 6 2.7
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 17 06 34 34.8–1.1 39.13N–.03 29.06E–.02 5–12 60 0-2
ISCJB II 17 06 34 34.3–.53 39.13N–.03 29.04E–.03 1–6 ¶13434722
ISK II 17 06 34 34.8 39.18N 29.07E 5 2.7
DDA II 17 06 34 34.4 39.12N 29.06E 7 2.4
CSEM II 17 06 34 34.8–.13 39.13N 29.06E 5 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.8km az=166.2.
DDA Event type ke.

CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=166.0.
ISC II 17 06 40 56.1–.98 39.14N–.02 29.03E–.02 7–11 76 0-2
ISCJB II 17 06 40 55.8–.43 39.13N–.03 29.03E–.03 3–5 ¶13434723
ISK II 17 06 40 55.8 39.16N 29.04E 5 2.7
DDA II 17 06 40 55.8 39.11N 29.02E 7 2.3
CSEM II 17 06 40 56.1–.09 39.13N 29.03E 5 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=165.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=167.0.
DDA II 17 06 58 42.8 39.15N 29.05E 7 2.4
CSEM II 17 06 58 42.8 39.15N 29.05E 7 2.4 ¶15133420
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 17 07 35 54.6–1.0 39.14N–.03 29.06E–.02 6–12 42 0-2
ISCJB II 17 07 35 54.6–.57 39.11N–.03 29.06E–.03 10–5 ¶13434734
DDA II 17 07 35 54.0 39.12N 29.03E 7 2.3
CSEM II 17 07 35 54.5–.19 39.10N 29.04E 10 2.3
ISK II 17 07 35 57.1 39.35N 29.25E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=168.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=175.0.
ISC II 17 07 38 17.7–.88 39.13N–.03 29.04E–.02 16–8 46 0-2
ISK II 17 07 38 16.4 39.14N 29.03E 5 2.9 ¶13434735
ISCJB II 17 07 38 17.4–.53 39.13N–.03 29.05E–.03 10–5 2.9
DDA II 17 07 38 17.2 39.13N 29.04E 7 2.7
CSEM II 17 07 38 17.5–.10 39.13N 29.04E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=163.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=166.0.
ISC II 17 08 15 07.5–1.0 39.11N–.02 29.07E–.02 7–10 48 0-1
ISK II 17 08 15 07.1 39.10N 29.03E 6 2.7 ¶13434737
DDA II 17 08 15 07.6 39.11N 29.06E 7 2.7
CSEM II 17 08 15 07.8–.09 39.11N 29.04E 5 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=175.0.
ISC II 17 08 30 03.7–1.1 39.13N–.02 29.04E–.02 4–10 46 0-2
DDA II 17 08 30 03.3 39.09N 29.05E 7 2.8 ¶13434738
CSEM II 17 08 30 03.5–.10 39.12N 29.06E 5 2.8
ISK II 17 08 30 04.8 39.23N 29.06E 9 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=171.0.
ISC II 17 08 30 58.5–1.0 39.12N–.02 29.04E–.02 5–12 58 0-2
ISCJB II 17 08 30 57.9–.46 39.11N–.03 29.04E–.03 1–6 ¶13434739
ISK II 17 08 30 57.6 39.12N 29.05E 5 2.8
DDA II 17 08 30 58.1 39.11N 29.02E 7 2.9
CSEM II 17 08 30 58.2–.09 39.12N 29.04E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=8.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=30.0.
ISC II 17 09 14 03.3–1.1 39.15N–.03 29.06E–.03 11–11 26 0-1
ISK II 17 09 14 02.0 39.16N 29.07E 4 2.5 ¶13434741
DDA II 17 09 14 03.1 39.14N 29.07E 7 2.9
CSEM II 17 09 14 03.0–.20 39.14N 29.05E 8 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=4.2km az=97.0.
ISC II 17 09 17 41.7–.89 39.11N–.02 29.04E–.02 13–7 52 0-2
ISK II 17 09 17 40.7 39.12N 29.07E 5 2.8 ¶13434742
ISCJB II 17 09 17 41.3–.45 39.10N–.02 29.05E–.03 8–4 2.8
DDA II 17 09 17 41.1 39.12N 29.04E 8 2.6
CSEM II 17 09 17 41.5–.12 39.11N 29.05E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=33.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=46.0.
ISC II 17 09 37 56.1–.89 39.13N–.02 29.07E–.02 12–7 111 0-14
ISCJB II 17 09 37 55.8–.44 39.13N–.02 29.06E–.02 8–3 ¶13434743
ISK II 17 09 37 55.4 39.13N 29.06E 5 2.9
DDA II 17 09 37 55.2 39.13N 29.06E 18 3.9L,3.7
CSEM II 17 09 37 56.2–.07 39.12N 29.06E 10 3.9L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=32.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=62.0.
ISC II 17 10 10 47.4–.90 39.13N–.02 29.07E–.02 13–8 80 0-2
DDA II 17 10 10 46.9 39.14N 29.06E 7 3.3 ¶13434744
ISCJB II 17 10 10 47.1–.40 39.12N–.02 29.07E–.02 5–4 3.3
ISK II 17 10 10 47.0 39.14N 29.09E 8 2.6
CSEM II 17 10 10 47.6–.06 39.12N 29.07E 10 3.3
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=12.8.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=22.0.
ISC II 17 10 31 20.4–.93 39.12N–.03 29.04E–.03 15–9 38 0-2
ISK II 17 10 31 19.7 39.12N 29.04E 12 2.5 ¶13434747
ISCJB II 17 10 31 20.3–.49 39.12N–.03 29.06E–.04 12–5 2.5
CSEM II 17 10 31 20.4–.10 39.11N 29.05E 15 2.5
DDA II 17 10 31 22.5 39.11N 28.95E 14 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=137.7.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=128.0.
DDA Event type ke.
ISC II 17 10 37 08.1–1.1 39.10N–.03 29.06E–.03 11–12 26 0-1
ISK II 17 10 37 07.2 39.15N 28.99E 9 2.6 ¶13434748
CSEM II 17 10 37 08.6–.33 39.08N 29.07E 15 2.5
DDA II 17 10 37 09.3 39.13N 29.07E 7 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=7.3km az=170.0.
DDA Event type ke.
ISC II 17 10 45 11.0–1.0 39.16N–.02 29.07E–.01 5–10 173 0-7
ISK II 17 10 45 10.3 39.15N 29.08E 5 3.3L ¶13434750
DDA II 17 10 45 10.2 39.12N 29.07E 7 3.6
CSEM II 17 10 45 10.7–.08 39.14N 29.07E 2 3.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=68.0.
ISC II 17 10 51 41.6–.91 39.13N–.02 29.05E–.02 13–9 72 0-2
ISK II 17 10 51 40.5 39.12N 29.05E 6 2.8 ¶13434751
ISCJB II 17 10 51 41.1–.39 39.12N–.02 29.04E–.03 6–4 2.8
DDA II 17 10 51 41.4 39.13N 29.05E 7 2.5
CSEM II 17 10 51 41.3–.08 39.12N 29.05E 8 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=36.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=47.0.
ISC II 17 10 54 15.8–.96 39.12N–.02 29.03E–.02 10–11 50 0-1
ISCJB II 17 10 54 15.8–.40 39.12N–.02 29.04E–.03 5–7 ¶13434752
ISK II 17 10 54 15.0 39.12N 29.03E 7 2.6
DDA II 17 10 54 15.8 39.13N 29.07E 7 2.5
CSEM II 17 10 54 16.0–.09 39.12N 29.04E 8 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.8km az=172.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=83.0.
ISC II 17 10 55 05.5–1.1 39.14N–.03 29.02E–.03 6–14 40 0-2
ISCJB II 17 10 55 04.8–.69 39.14N–.04 29.01E–.04 1–10 ¶13434753
ISK II 17 10 55 04.5 39.12N 29.05E 9 2.6
DDA II 17 10 55 05.5 39.09N 29.05E 7 2.5
CSEM II 17 10 55 05.4–.15 39.14N 29.02E 8 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=140.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=110.0.
ISC II 17 11 00 51.2–.95 39.13N–.02 29.05E–.02 11–8 56 0-2
ISK II 17 11 00 50.8 39.15N 29.06E 8 2.6 ¶13434754
DDA II 17 11 00 50.8 39.14N 29.08E 7 2.7
ISCJB II 17 11 00 51.0–.43 39.13N–.02 29.07E–.03 3–5 2.7
CSEM II 17 11 00 51.4–.08 39.13N 29.06E 8 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=167.8.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=63.0.
ISC II 17 11 53 03.7–.98 39.13N–.02 29.02E–.02 9–11 72 0-2
ISCJB II 17 11 53 03.3–.43 39.11N–.02 29.02E–.03 2–5 ¶13434759
ISK II 17 11 53 03.2 39.12N 29.06E 4 2.7
DDA II 17 11 53 03.3 39.12N 29.02E 7 3.0
CSEM II 17 11 53 03.9–.11 39.11N 29.04E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=175.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=1.0.
ISC II 17 12 18 25.8–1.0 39.13N–.02 29.02E–.02 5–10 82 0-2
ISK II 17 12 18 24.8 39.11N 29.03E 5 2.9 ¶13434764
ISCJB II 17 12 18 25.1–.41 39.12N–.02 29.03E–.03 1–5 2.9
CSEM II 17 12 18 25.6–.09 39.12N 29.02E 5 2.9
DDA II 17 12 18 26.0 39.10N 28.98E 13 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=162.3.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=76.0.
DDA Event type ke.
ISC II 17 12 31 14.7–2.1 41.1N–.20 36.16E–.05 7–10 19 0-2
DDA II 17 12 31 15.3 41.13N 36.17E 7 2.7 ¶15133389
CSEM II 17 12 31 15.3 41.13N 36.17E 7 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 17 12 34 18.7–1.0 39.11N–.03 29.05E–.03 6–13 29 0-2
ISK II 17 12 34 17.6 39.11N 29.04E 5 2.5 ¶13434765
ISCJB II 17 12 34 18.3–.53 39.11N–.04 29.05E–.04 6–8 2.5
DDA II 17 12 34 18.4 39.08N 29.06E 7 2.3
CSEM II 17 12 34 18.4–.11 39.11N 29.05E 6–1 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=157.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=147.0.
ISC II 17 12 52 12.6–.98 39.10N–.03 29.04E–.02 9–9 43 0-2
ISK II 17 12 52 11.7 39.10N 29.04E 5 2.6 ¶13434768
ISCJB II 17 12 52 12.5–.46 39.09N–.03 29.06E–.03 6–5 2.6
DDA II 17 12 52 12.4 39.09N 29.04E 7 2.5
CSEM II 17 12 52 12.9–.16 39.08N 29.08E 12 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=164.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=77.0.
ISC II 17 12 56 16.4–1.0 39.12N–.03 29.03E–.02 8–11 48 0-2
ISK II 17 12 56 15.6 39.11N 29.04E 5 2.7 ¶13434769
ISCJB II 17 12 56 16.1–.42 39.10N–.03 29.04E–.03 5–6 2.7
DDA II 17 12 56 16.0 39.07N 29.03E 7 2.7
CSEM II 17 12 56 16.4–.10 39.11N 29.03E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=179.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=78.0.
ISC II 17 13 03 19.7–.96 39.11N–.03 29.05E–.02 9–9 44 0-2
ISK II 17 13 03 18.8 39.09N 29.08E 6 2.6 ¶13434770
ISCJB II 17 13 03 19.2–.56 39.11N–.04 29.05E–.04 1–8 2.6
DDA II 17 13 03 19.4 39.10N 29.04E 7 2.6
CSEM II 17 13 03 19.5–.09 39.10N 29.06E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.8km az=152.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=139.0.
ISC II 17 13 05 21.9–1.0 37.28N–.02 30.46E–.02 6–7 3.7b 97 0-77
IDC II 17 13 05 20.7–.87 37.20N 30.63E 0 3.8,3.7b ¶12701009
ISCJB II 17 13 05 21.6–.42 37.28N–.02 30.47E–.03 11–3 3.7b,3.7b
ISK II 17 13 05 21.2 37.31N 30.42E 9 3.3L,3.7b
CSEM II 17 13 05 21.7–.11 37.30N 30.43E 5 3.3L,3.7b
DDA II 17 13 05 22.8 37.25N 30.40E 43 3.6L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=21.3km s-min=17.3km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=29.6.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=144.0.
DDA Event type ke.
DDA II 17 13 40 03.3 39.11N 29.05E 7 2.6
CSEM II 17 13 40 03.9–.12 39.14N 29.04E 5 2.6 ¶13434772
ISK II 17 13 40 03.7 39.15N 29.07E 8 2.7
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=126.0.
ISC II 17 14 50 13.3–.96 39.13N–.03 29.07E–.02 10–9 48 0-2
ISCJB II 17 14 50 12.9–.49 39.12N–.04 29.08E–.03 3–7 ¶13434775
ISK II 17 14 50 12.2 39.12N 29.06E 6 2.6
DDA II 17 14 50 12.9 39.14N 29.08E 7 2.8
CSEM II 17 14 50 13.1–.08 39.12N 29.07E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=5.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=32.0.
DDA II 17 17 06 12.0 39.10N 29.08E 7 2.6
¶15133378
DDA Event type ke.
DDA II 17 17 17 58.9 39.09N 29.07E 7 2.7
CSEM II 17 17 17 58.9 39.09N 29.07E 7 2.7 ¶15133371
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 17 18 52 33.5–.96 39.12N–.02 29.08E–.02 9–10 68 0-2
DDA II 17 18 52 32.8 39.12N 29.06E 8 2.9 ¶13434783
ISCJB II 17 18 52 33.4–.44 39.11N–.03 29.08E–.03 4–5 2.9
ISK II 17 18 52 33.2 39.09N 29.07E 5 2.9
CSEM II 17 18 52 33.5–.15 39.12N 29.09E 0–1 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=9.0.
ISC II 17 19 48 41.4–.00 39.15N–.02 29.08E–.01 7–8 205 0-8
ISCJB II 17 19 48 40.8–.40 39.15N–.02 29.07E–.02 4–3 ¶13434786
ISK II 17 19 48 40.8 39.15N 29.08E 7 3.5
DDA II 17 19 48 40.2 39.16N 29.04E 7 3.7L,3.3
THE II 17 19 48 41.7 39.10N 29.04E 0–0 3.1L,3.3
CSEM II 17 19 48 41.0–.07 39.14N 29.08E 2 3.7L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=25.9.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=56.0.
ISC II 17 21 01 58.3–1.0 37.13N–.03 27.72E–.02 19–2 36 0-2
ISK II 17 21 01 57.7 37.14N 27.73E 24 2.7 ¶13434788

ISCJB	II	17 21 01 58.7–.55	37.11N–.04	27.71E–.05	25–6	2.7		
DDA	II	17 21 01 58.7	37.14N	27.73E	7	2.8		
CSEM	II	17 21 01 58.5–.26	37.12N	27.71E	20	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=6.2km az=148.6.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.6km s-min=6.2km az=168.0.							
ISC	**II**	**17 21 26 02.8–.89**	**39.12N–.02**	**29.04E–.02**	**12–8**		**82**	**0-2**
ISCJB	II	17 21 26 02.6–.41	39.11N–.03	29.05E–.02	8–4			**¶13434789**
ISK	II	17 21 26 02.3	39.13N	29.06E	6	3.0		
DDA	II	17 21 26 02	39.14N	29.01E	7	2.9		
CSEM	II	17 21 26 02.7–.07	39.12N	29.05E	5	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=0.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=9.0.							
ISC	**II**	**17 21 34 00.4–1.1**	**37.09N–.03**	**27.81E–.03**	**5–15**		**28**	**0-2**
ISCJB	II	17 21 34 01.7–.59	37.15N–.03	27.73E–.04	5–15			**¶13434790**
ISK	II	17 21 34 01.3	37.13N	27.74E	5	2.3		
DDA	II	17 21 34 01.2	37.11N	27.75E	7	2.8		
CSEM	II	17 21 34 02.0–.12	37.13N	27.72E	5	2.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.9km s-min=4.9km az=44.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=150.0.							
ISC	**II**	**17 22 49 56.9–1.1**	**37.68N–.02**	**35.59E–.02**	**12–9**		**64**	**0-3**
DDA	II	17 22 49 55.7	37.70N	35.61E	8	3.1		**¶13434793**
ISK	II	17 22 49 56.8	37.69N	35.59E	4	3.0		
ISCJB	II	17 22 49 57.4–.54	37.67N–.03	35.56E–.03	10–5	3.0		
CSEM	II	17 22 49 57.9–.23	37.66N	35.53E	15	3.0		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=28.8.							
CSEM	Event type ke. Error ellipse: s-maj=6.2km s-min=4.9km az=32.0.							
DDA	**II**	**18 00 29 05.4**	**37.53N**	**38.61E**	**7**	**2.6**		
								¶15133503
DDA	Event type ke.							
ISK	**II**	**18 00 30 45.8**	**39.12N**	**29.07E**	**5**	**3.2**		
DDA	II	18 00 30 46.1	39.13N	29.02E	19	3.2		**¶13434795**
CSEM	II	18 00 30 47.0–.09	39.12N	29.06E	2	3.2		
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=11.0.							
ISC	**II**	**18 00 42 39.8–.93**	**37.92N–.02**	**37.98E–.02**	**20–7**		**52**	**0-2**
ISK	II	18 00 42 39.2	37.92N	37.97E	19	2.9		**¶13434796**
DDA	II	18 00 42 39.5	37.91N	37.95E	14	2.9		
CSEM	II	18 00 42 39.9–.22	37.92N	37.97E	10	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=126.0.							
ISC	**II**	**18 02 15 27.7–.87**	**39.12N–.02**	**29.03E–.02**	**16–8**		**58**	**0-1**
ISCJB	II	18 02 15 27.8–.41	39.12N–.02	29.03E–.03	10–4			**¶13434800**
ISK	II	18 02 15 27.5	39.14N	29.04E	8	2.8		
DDA	II	18 02 15 27.4	39.12N	29.03E	12	2.8		
CSEM	II	18 02 15 27.9–.10	39.12N	29.03E	10	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=171.3.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=1.0.							
ISC	**II**	**18 02 33 34.9–.89**	**39.00N–.03**	**28.73E–.02**	**9–5**		**44**	**0-1**
ISCJB	II	18 02 33 35.5–.47	39.02N–.03	28.71E–.03	9–4			**¶13434802**
ISK	II	18 02 33 35.2	39.01N	28.71E	18	2.6		
DDA	II	18 02 33 35.4	39.02N	28.70E	7	2.8		
CSEM	II	18 02 33 35.6–.16	39.03N	28.73E	10	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=169.8.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=175.0.							
DDA	**II**	**18 02 53 56.8**	**39.08N**	**29.03E**	**7**	**2.5**		
								¶15133490
DDA	Event type ke.							
ISC	**II**	**18 03 37 44.2–.97**	**39.12N–.02**	**29.04E–.02**	**8–10**		**70**	**0-2**
ISCJB	II	18 03 37 43.7–.40	39.12N–.03	29.03E–.03	3–5			**¶13434806**
ISK	II	18 03 37 43.5	39.12N	29.05E	5	2.9		
DDA	II	18 03 37 43.9	39.11N	29.02E	9	3.1		
CSEM	II	18 03 37 44.0–.07	39.12N	29.04E	5	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=177.8.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=34.0.							
ISC	**II**	**18 05 14 56.4–.92**	**39.11N–.02**	**29.04E–.02**	**12–9**		**77**	**0-2**
ISCJB	II	18 05 14 56.3–.43	39.10N–.02	29.04E–.03	0–6			**¶13434808**
ISK	II	18 05 14 56.1	39.09N	29.07E	5	3.0		
DDA	II	18 05 14 56.2	39.11N	29.03E	7	3.0		
CSEM	II	18 05 14 56.6–.10	39.10N	29.06E	2	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=178.5.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=81.0.							
ISC	**II**	**18 06 27 16.3–.97**	**39.12N–.03**	**29.06E–.02**	**9–11**		**38**	**0-2**
ISCJB	II	18 06 27 15.9–.51	39.10N–.03	29.07E–.04	6–6			**¶13434810**
ISK	II	18 06 27 15.2	39.10N	29.07E	5	2.6		
DDA	II	18 06 27 16.0	39.11N	29.06E	7	2.9		
CSEM	II	18 06 27 16.0–.10	39.12N	29.06E	5	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=152.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=128.0.							
ISC	**II**	**18 07 13 15.2–.96**	**39.13N–.03**	**29.01E–.03**	**10–10**		**30**	**0-2**
ISCJB	II	18 07 13 14.9–.54	39.12N–.05	29.01E–.04	10–7			**¶13434812**
ISK	II	18 07 13 14.1	39.13N	28.97E	8	2.6		
CSEM	II	18 07 13 14.9–.12	39.12N	28.99E	10	2.6		
DDA	II	18 07 13 15.0	39.10N	29.04E	7	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.6km s-min=4.4km az=151.9.							
CSEM	Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=137.0.							
DDA	Event type ke.							
ISC	**II**	**18 07 47 45.3–.97**	**39.12N–.02**	**29.02E–.02**	**8–10**		**78**	**0-2**
ISK	II	18 07 47 44.4	39.11N	29.02E	5	3.0		**¶13434813**
DDA	II	18 07 47 45.1	39.11N	29.03E	7	2.9		
CSEM	II	18 07 47 45.0–.07	39.12N	29.02E	2	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=166.0.							
ISC	**II**	**18 08 07 33.7–.86**	**39.12N–.02**	**29.07E–.02**	**15–7**		**65**	**0-2**
ISCJB	II	18 08 07 33.6–.39	39.11N–.02	29.08E–.03	9–4			**¶13434815**
ISK	II	18 08 07 33.0	39.12N	29.07E	12	2.8		
DDA	II	18 08 07 33.5	39.11N	29.09E	8	2.9		
CSEM	II	18 08 07 33.5–.08	39.13N	29.08E	10	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=168.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=175.0.							
ISC	**II**	**18 08 25 41.0–.83**	**36.86N–.04**	**30.67E–.02**	**17–4**	**3.5b**	**68**	**0-77**
DDA	II	18 08 25 39.2	36.87N	30.67E	17	3.2		**¶12701117**
IDC	II	18 08 25 39.1–3.0	36.85N	30.58E	0	3.4,3.4b		
ISCJB	II	18 08 25 40.7–.62	36.85N–.05	30.68E–.04	18–4	3.3b,3.4b		
ISK	II	18 08 25 40.0	36.81N	30.66E	17	3.2L,3.4b		
CSEM	II	18 08 25 40.2–.27	36.81N	30.66E	10	3.2L,3.4b		
ISC	Event type ke.							
DDA	Event type ke.							
IDC	Error ellipse: s-maj=64.9km s-min=40.0km az=168.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.8km s-min=5.2km az=176.1.							
CSEM	Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=170.0.							
DDA	**II**	**18 09 13 33.6**	**39.09N**	**29.03E**	**7**	**2.6**		
CSEM	II	18 09 13 33.6	39.09N	29.03E	7	2.6		**¶15133484**
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.							
ISC	**II**	**18 10 52 53.4–1.1**	**37.71N–.03**	**34.63E–.04**	**6–10**		**26**	**0-2**
DDA	II	18 10 52 52.3	37.71N	34.61E	7	2.9		**¶13434818**
ISK	II	18 10 52 52.4	37.71N	34.57E	6	2.6		
CSEM	II	18 10 52 53.0–.16	37.72N	34.57E	2	2.6		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=98.0.							
ISK	**II**	**18 14 24 07.6**	**40.78N**	**27.80E**	**15**	**2.7**		
CSEM	II	18 14 24 08.1–.14	40.80N	27.79E	10	2.7		**¶13434827**
DDA	II	18 14 24 08.2	40.81N	27.78E	7	2.9		
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=147.0.							
DDA	Event type ke.							
ISC	**II**	**18 16 00 53.6–1.1**	**37.89N–.02**	**29.14E–.02**	**4–9**		**171**	**0-5**
ISK	II	18 16 00 52.3	37.86N	29.13E	5	3.7		**¶13434829**
DDA	II	18 16 00 52.9	37.90N	29.15E	22	3.8L		
ISCJB	II	18 16 00 53.3–.46	37.88N–.02	29.13E–.02	3–4	3.8L		
CSEM	II	18 16 00 53.6–.10	37.86N	29.14E	2	3.8L		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=36.8.							
CSEM	Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=119.0.							
ISC	**II**	**18 16 15 18.4–1.1**	**36.73N–.04**	**30.68E–.03**	**12–8**		**60**	**0-3**
ISK	II	18 16 15 17.8	36.73N	30.65E	8	3.1		**¶13434830**
ISCJB	II	18 16 15 18.2–.89	36.74N–.05	30.66E–.04	10–5	3.1		
DDA	II	18 16 15 19.4	36.81N	30.66E	21	3.2		
CSEM	II	18 16 15 19.0–.30	36.77N	30.63E	10	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.3km s-min=5.5km az=161.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=7.5km s-min=4.6km az=160.0.							
ISC	**II**	**18 16 22 46.7–1.2**	**37.88N–.04**	**29.15E–.04**	**12–11**		**28**	**0-1**
ISK	II	18 16 22 45.1	37.83N	29.13E	9	2.8		**¶13434832**
ISCJB	II	18 16 22 47.4–.68	37.90N–.04	29.17E–.06	9–6	2.8		
DDA	II	18 16 22 47.5	37.89N	29.13E	7	2.8		
CSEM	II	18 16 22 47.0–.26	37.88N	29.20E	10	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.3km s-min=4.8km az=34.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=4.0km az=141.0.							
ISC	**II**	**18 16 28 56.9–.87**	**39.13N–.02**	**29.05E–.02**	**15–7**		**64**	**0-2**
ISCJB	II	18 16 28 56.8–.42	39.13N–.02	29.06E–.03	11–4			**¶13434833**
ISK	II	18 16 28 56.0	39.16N	29.01E	12	2.8		
DDA	II	18 16 28 56.6	39.13N	29.06E	7	3.1L		
CSEM	II	18 16 28 56.9–.10	39.14N	29.05E	15	3.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=146.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=132.0.							
ISC	**II**	**18 16 47 17.2–1.1**	**37.91N–.02**	**29.15E–.02**	**2–10**		**97**	**0-3**
ISK	II	18 16 47 16.3	37.90N	29.15E	5	3.2		**¶13434834**
DDA	II	18 16 47 16.2	37.91N	29.15E	15	3.0		
ISCJB	II	18 16 47 17.0–.47	37.90N–.02	29.15E–.03	3–4	3.0		
CSEM	II	18 16 47 17.1–.12	37.89N	29.19E	2	3.0		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=26.3.							
CSEM	Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=125.0.							
ISC	**II**	**18 16 49 16.0–.89**	**37.89N–.03**	**29.19E–.03**	**16–7**		**44**	**0-2**
ISK	II	18 16 49 15.6	37.86N	29.20E	15	2.8		**¶13434835**
ISCJB	II	18 16 49 16.2–.56	37.88N–.03	29.20E–.05	14–5	2.8		
DDA	II	18 16 49 16.4	37.91N	29.16E	7	2.8		
CSEM	II	18 16 49 16.1–.18	37.87N	29.20E	15	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=31.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=114.0.							
ISC	**II**	**18 17 22 40.2–.89**	**40.12N–.02**	**28.19E–.02**	**9–7**		**96**	**0-2**
ISCJB	II	18 17 22 39.8–.34	40.12N–.02	28.20E–.03	6–3			**¶13434836**
ISK	II	18 17 22 39.5	40.12N	28.19E	8	3.1		
DDA	II	18 17 22 39.8	40.09N	28.22E	7	2.9		
CSEM	II	18 17 22 40.0–.09	40.12N	28.19E	10	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=9.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=89.0.							
ISC	**II**	**18 19 12 50.6–1.4**	**37.87N–.04**	**29.51E–.05**	**10–12**		**26**	**0-2**
ISK	II	18 19 12 49.3	37.86N	29.50E	4	2.7		**¶13434839**
CSEM	II	18 19 12 49.7–.32	37.84N	29.54E	5	2.9		
DDA	II	18 19 12 50.4	37.89N	29.48E	7	2.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=140.0.							
DDA	Event type ke.							
ISC	**II**	**18 20 05 38.2–.85**	**39.11N–.02**	**29.03E–.02**	**17–7**		**67**	**0-2**
ISK	II	18 20 05 37.8	39.11N	29.04E	5	2.8		**¶13434840**
ISCJB	II	18 20 05 38.1–.40	39.11N–.03	29.03E–.03	5–5	2.8		
DDA	II	18 20 05 38.0	39.13N	29.03E	7	2.8		
CSEM	II	18 20 05 38.4–.08	39.12N	29.03E	5	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=162.6.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=171.0.							
ISC	**II**	**18 20 15 02.6–.89**	**39.11N–.02**	**29.03E–.02**	**12–8**		**60**	**0-2**
ISK	II	18 20 15 01.0	39.13N	29.00E	3	2.9		**¶13434841**
DDA	II	18 20 15 02.0	39.12N	29.03E	7	3.0		
ISCJB	II	18 20 15 02.2–.46	39.11N–.03	29.03E–.03	4–6	3.0		
CSEM	II	18 20 15 02.3–.14	39.12N	29.01E	8	3.0		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=156.6.							
CSEM	Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=161.0.							
ISC	**II**	**18 21 01 43.9–.91**	**39.10N–.02**	**29.03E–.02**	**14–8**		**63**	**0-2**
ISCJB	II	18 21 01 44.0–.42	39.09N–.03	29.05E–.03	9–4			**¶13434842**
ISK	II	18 21 01 43.5	39.10N	29.05E	9	2.8		
DDA	II	18 21 01 43.6	39.13N	29.03E	7	2.8		
CSEM	II	18 21 01 44.1–.06	39.09N	29.04E	10	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=155.8.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=149.0.							
ISC	**II**	**18 23 07 00.4–.92**	**39.11N–.02**	**29.07E–.02**	**13–9**		**62**	**0-2**
ISCJB	II	18 23 07 00.4–.41	39.10N–.03	29.05E–.03	5–5			**¶13434844**
ISK	II	18 23 07 00.1	39.09N	29.14E	6	2.7		
DDA	II	18 23 07 00.3	39.12N	29.04E	7	2.8		
CSEM	II	18 23 07 00.6–.12	39.10N	29.07E	5	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=169.8.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.5km s-min=2.5km az=22.0.							
ISC	**II**	**19 00 06 51.7–.97**	**39.17N–.03**	**29.00E–.03**	**11–10**		**32**	**0-2**
ISCJB	II	19 00 06 51.7–.50	39.17N–.04	29.02E–.04	9–6			**¶13434845**
ISK	II	19 00 06 51.4	39.22N	28.98E	8	2.7		
DDA	II	19 00 06 51.7	39.10N	29.01E	7	2.3		
CSEM	II	19 00 06 52.1–.23	39.18N	29.01E	12	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=4.9km az=176.3.							

DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.8km az=37.0.
ISC II 19 01 38 06.3–.91 37.90N–.02 29.15E–.03 12–7 62 0-3
ISK II 19 01 38 05.9 37.90N 29.13E 14 3.1 ¶13434849
ISCJB II 19 01 38 06.2–.48 37.89N–.02 29.15E–.04 8–4 3.1
DDA II 19 01 38 06.2 37.89N 29.17E 7 3.3
CSEM II 19 01 38 06.2–.13 37.89N 29.15E 10 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=26.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=110.0.
ISC II 19 02 04 58.4–.88 38.16N–.02 38.56E–.03 13–6 52 0-2
ISK II 19 02 04 57.9 38.16N 38.58E 13 2.9 ¶13434850
ISCJB II 19 02 04 58.5–.44 38.15N–.02 38.56E–.04 7–4 2.9
DDA II 19 02 04 58.4 38.15N 38.51E 13 3.2
CSEM II 19 02 04 58.4–.15 38.16N 38.55E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=12.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=99.0.
ISC II 19 03 10 38.7–1.0 37.80N–.03 43.60E–.04 13–10 34 0-3
DDA II 19 03 10 36.8 37.90N 43.74E 7 3.4 ¶13434853
ISK II 19 03 10 37.5 37.79N 43.46E 5 3.3
CSEM II 19 03 10 38.6–.29 37.79N 43.50E 2 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=5.5km az=73.0.
ISC II 19 04 17 29.0–.99 39.11N–.02 29.08E–.02 7–11 58 0-2
ISCJB II 19 04 17 28.5–.41 39.11N–.03 29.08E–.03 5–5 ¶13434854
ISK II 19 04 17 28.3 39.12N 29.10E 5 2.8
DDA II 19 04 17 28.5 39.10N 29.07E 12 2.9
CSEM II 19 04 17 28.7–.08 39.11N 29.08E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=163.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=64.0.
ISC II 19 05 05 53.3–1.3 39.03N–.03 42.01E–.03 3–11 37 0-3
ISK II 19 05 05 50.7 38.89N 42.08E 5 3.2 ¶13434855
CSEM II 19 05 05 53.8–.55 38.97N 42.01E 20 3.2
DDA II 19 05 05 55.5 39.07N 41.86E 14 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.2km s-min=10.2km az=162.0.
DDA Event type ke.
ISK II 19 09 31 01.1 40.70N 27.91E 8 2.7
CSEM II 19 09 31 01.5–.09 40.71N 27.92E 7–1 2.7 ¶13434859
DDA II 19 09 31 03.5 40.59N 27.93E 7 2.8
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=165.0.
DDA Event type ke.
ISC II 19 10 56 45.1–1.2 37.61N–.03 34.54E–.04 13–12 29 0-3
ISK II 19 10 56 44.7 37.59N 34.61E 6 2.9 ¶13434861
DDA II 19 10 56 44.3 37.70N 34.53E 7 2.9
ISCJB II 19 10 56 45.3–.61 37.62N–.03 34.60E–.06 9–8 2.9
CSEM II 19 10 56 45.7–.24 37.64N 34.62E 5 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.2km az=167.4.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.9km az=67.0.
ISC II 19 14 38 21.2–.87 40.56N–.02 26.12E–.02 15–7 131 0-5
ISK II 19 14 38 20.9 40.54N 26.14E 8 3.2 ¶13434868
ATH II 19 14 38 20.2 40.55N 26.30E 11–2 3.2
DDA II 19 14 38 21.7 40.52N 26.24E 7 3.1
CSEM II 19 14 38 21.0–.12 40.55N 26.10E 5 3.2
BEO II 19 14 38 22.9–1.6 40.25N 25.64E 17–6 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=51.0.
BEO Event type ke.
ISC II 19 16 10 11.8–1.3 39.02N–.02 26.79E–.04 3–11 51 0-3
ISK II 19 16 10 09.8 38.97N 26.69E 5 3.1 ¶13434869
CSEM II 19 16 10 12.3–.38 38.97N 26.78E 10 2.8L
DDA II 19 16 10 14.7 39.07N 27.00E 7 2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=5.7km az=66.0.
DDA Event type ke.
ISC II 19 17 50 51.5–1.6 39.67N–.07 42.50E–.04 3–15 21 0-1
ISCJB II 19 17 50 52.8–.71 39.74N–.06 42.48E–.05 8–10 ¶13434870
DDA II 19 17 50 52.9 39.69N 42.41E 7 2.8
CSEM II 19 17 50 52.6–.29 39.75N 42.50E 12 2.7
ISK II 19 17 50 53.5 39.59N 42.52E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.8km az=23.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=3.7km az=15.0.
DDA II 19 17 53 02.5 39.55N 43.64E 7 2.6L
¶15133510
DDA Event type ke.
ISC II 19 18 31 39.9–1.3 40.13N–.04 31.57E–.03 20–6 33 0-2
DDA II 19 18 31 38.8 40.21N 31.59E 7 2.3L ¶13434871
ISK II 19 18 31 39.1 40.12N 31.77E 23 2.9
ISCJB II 19 18 31 41.9–.61 40.08N–.04 31.54E–.06 28–7 2.9
CSEM II 19 18 31 41.4–.29 40.08N 31.55E 20 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.5km az=142.1.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=6.2km az=27.0.
ISC II 19 19 27 50.9–1.1 37.86N–.02 27.62E–.02 4–11 46 0-3
ISK II 19 19 27 50.7 37.88N 27.61E 9 2.9 ¶13434877
DDA II 19 19 27 50.6 37.88N 27.62E 2 3.0L
CSEM II 19 19 27 50.9–.11 37.88N 27.61E 5 3.0L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=109.0.
ISC II 19 20 07 47.8–1.1 39.05N–.02 26.95E–.02 8–11 110 0-3
ISCJB II 19 20 07 47.7–.52 39.06N–.02 26.95E–.03 7–4 ¶13434878
ISK II 19 20 07 47.2 39.05N 26.94E 9 3.3
DDA II 19 20 07 47.6 39.05N 27.00E 7 3.2L
CSEM II 19 20 07 48.1–.15 39.06N 26.95E 10 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=169.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=86.0.
ISC II 19 22 25 42.8–.98 39.12N–.02 29.05E–.01 7–9 186 0-9
ISK II 19 22 25 42.2 39.09N 29.10E 5 3.7 ¶13434881
DDA II 19 22 25 42.3 39.12N 29.03E 10 4.0L
CSEM II 19 22 25 42.8–.10 39.09N 29.09E 2 4.0L
BEO II 19 22 25 49.5–2.0 39.03N 28.51E 12–8 3.4L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=33.0.
BEO Event type ke.
ISC II 19 23 55 31.7–.93 39.12N–.02 29.09E–.02 10–8 52 0-2
ISCJB II 19 23 55 31.5–.50 39.12N–.03 29.08E–.03 9–4 ¶13434883
DDA II 19 23 55 31.2 39.11N 29.06E 7 3.0
CSEM II 19 23 55 31.6–.14 39.12N 29.09E 8 3.0
ISK II 19 23 55 32.3 39.15N 29.22E 20 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=151.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=135.0.
ISC II 20 00 31 59.1–1.1 39.13N–.02 29.11E–.02 3–10 173 0-9
ISK II 20 00 31 58.8 39.11N 29.12E 8 3.4 ¶13434884
DDA II 20 00 31 58.8 39.13N 29.07E 11 3.6L
CSEM II 20 00 31 59.1–.08 39.12N 29.11E 2 3.6L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=56.0.
ISC II 20 00 33 32.9–1.3 39.04N–.03 29.12E–.03 9–12 30 0-2
CSEM II 20 00 33 32.9 39.01N 29.12E 5 2.7 ¶13434885
ISK II 20 00 33 32.9 39.01N 29.12E 5 2.7
ISCJB II 20 00 33 33.8–.62 39.08N–.04 29.05E–.04 1–8 2.7
DDA II 20 00 33 34.5 39.12N 29.10E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.7km az=26.2.
DDA Event type ke.
ISK II 20 00 33 55.3 39.11N 29.11E 6 2.9
¶13434886
DDA II 20 06 03 09.7 39.12N 29.07E 7 2.6
¶15133557
DDA Event type ke.
ISC II 20 06 04 22.2–1.0 38.93N–.03 41.33E–.03 7–9 65 0-4
ISK II 20 06 04 20.4 38.91N 41.35E 5 3.1 ¶13434893
DDA II 20 06 04 21.4 38.96N 41.32E 16 3.4
CSEM II 20 06 04 21.9–.15 38.93N 41.35E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=123.0.
ISC II 20 06 23 30.3–1.1 39.13N–.02 29.02E–.02 5–10 77 0-2
ISCJB II 20 06 23 29.9–.47 39.13N–.03 29.01E–.03 2–6 ¶13434894
ISK II 20 06 23 29.8 39.14N 29.02E 4 3.0
DDA II 20 06 23 29.7 39.10N 29.03E 9 3.0
CSEM II 20 06 23 30.1–.09 39.12N 29.01E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=3.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=9.0.
ISC II 20 10 26 33.6–1.1 38.08N–.05 40.28E–.06 7–13 17 0-1
ISK II 20 10 26 32.7 38.08N 40.34E 10 2.6 ¶13434901
ISCJB II 20 10 26 33.5–.94 38.09N–.06 40.3E–.10 7–13 2.6
CSEM II 20 10 26 34.2–.32 38.01N 40.18E 12 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=6.0km az=25.8.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=7.6km az=80.0.
ISC II 20 11 09 54.2–.89 40.81N–.03 31.00E–.02 13–6 96 0-3
ISK II 20 11 09 52.7 40.85N 31.03E 4 3.2 ¶13434904
DDA II 20 11 09 53.1 40.81N 31.01E 20 3.3
CSEM II 20 11 09 53.7–.14 40.83N 31.01E 5 3.3
ISCJB II 20 11 09 54.1–.56 40.81N–.03 31.01E–.03 10–3 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC II 20 11 21 03.1–.97 39.08N–.02 27.11E–.02 14–10 47 0-2
DDA II 20 11 21 02.5 39.07N 27.12E 7 3.0 ¶13434905
ISCJB II 20 11 21 03.1–.52 39.07N–.03 27.11E–.03 6–5 3.0
ISK II 20 11 21 03.2 39.05N 27.11E 6 2.8
CSEM II 20 11 21 03.3–.19 39.07N 27.11E 5 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=23.5.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=130.0.
ISC II 20 12 26 30.8–1.0 38.13N–.02 27.38E–.02 13–9 81 0-3
ISK II 20 12 26 30.6 38.13N 27.38E 5 2.9 ¶13434908
DDA II 20 12 26 30.9 38.15N 27.41E 16 3.1
ISCJB II 20 12 26 31.3–.49 38.14N–.02 27.41E–.03 1–5 3.1
CSEM II 20 12 26 31.6–.22 38.13N 27.39E 2 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=167.1.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=91.0.
ISC II 20 13 42 37.0–.96 36.84N–.03 34.32E–.03 12–6 71 0-4
DDA II 20 13 42 34.9 36.78N 34.30E 19 3.0 ¶13434912
ISCJB II 20 13 42 36.8–.70 36.82N–.03 34.32E–.04 10–5 3.0
ISK II 20 13 42 36.4 36.89N 34.30E 7 3.2
CSEM II 20 13 42 37.2–.14 36.83N 34.33E 10 3.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=5.0km az=140.3.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=64.0.
ISC II 20 23 07 10.5–1.2 37.34N–.04 36.56E–.04 12–11 24 0-2
ISK II 20 23 07 10.2 37.39N 36.57E 17 2.4 ¶13434922
ISCJB II 20 23 07 11.3–.68 37.37N–.05 36.61E–.05 24–8 2.4
CSEM II 20 23 07 11.1–.30 37.36N 36.60E 20 2.4
DDA II 20 23 07 12.1 37.36N 36.68E 7 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.3km az=25.0.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.0km az=32.0.
DDA Event type ke.
ISC II 21 00 12 48.1–1.5 37.81N–.04 29.12E–.03 3–12 36 0-2
ISK II 21 00 12 47.6 37.77N 29.11E 5 2.8 ¶13434924
ISCJB II 21 00 12 50.5–.59 37.92N–.03 29.14E–.04 1–6 2.8
CSEM II 21 00 12 50.5–.21 37.91N 29.17E 0–3 2.9
DDA II 21 00 12 50.3 37.92N 29.17E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=8.6.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=89.0.
DDA Event type ke.
ISC II 21 00 23 46.0–1.1 39.12N–.03 29.03E–.02 5–11 52 0-2
DDA II 21 00 23 46.0 39.12N 29.09E 14 2.8 ¶13434926
ISK II 21 00 23 45.6 39.12N 28.98E 8 2.6
ISCJB II 21 00 23 46.1–.46 39.10N–.03 29.07E–.03 4–6 2.6
CSEM II 21 00 23 46.3–.17 39.11N 29.05E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=158.7.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=149.0.
ISC II 21 01 36 16.2–1.0 37.60N–.02 30.04E–.02 9–9 108 0-4
ISCJB II 21 01 36 15.5–.44 37.59N–.02 30.04E–.02 4–4 ¶13434930
ISK II 21 01 36 15.3 37.57N 30.04E 8 3.2
DDA II 21 01 36 15.2 37.58N 30.03E 22 3.4
CSEM II 21 01 36 15.6–.09 37.60N 30.04E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=177.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=28.0.
ISC II 21 05 37 09.2–.95 41.40N–.04 33.38E–.03 11–9 32 0-2
ISK II 21 05 37 08.0 41.42N 33.34E 6 2.8 ¶13434934
DDA II 21 05 37 08.7 41.41N 33.45E 7 2.8
ISCJB II 21 05 37 08.8–.55 41.40N–.03 33.36E–.05 5–7 2.8
CSEM II 21 05 37 08.9–.17 41.41N 33.38E 5 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=39.7.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=131.0.
ISC II 21 10 18 28.7–1.0 37.05N–.02 29.21E–.02 9–9 46 0-2
ISK II 21 10 18 27.7 37.04N 29.21E 7 2.6 ¶13434935
ISCJB II 21 10 18 28.6–.51 37.00N–.03 29.18E–.04 12–6 2.6
DDA II 21 10 18 28.6 37.04N 29.14E 7 2.8
CSEM II 21 10 18 28.5–.19 37.01N 29.18E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.8km az=5.0.

DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=47.0.
ISC II 21 11 32 55.3–.97 38.20N–.02 28.77E–.02 12–11 44 0-1
DDA II 21 11 32 54.6 38.21N 28.78E 12 2.7 ¶13434939
ISCJB II 21 11 32 55.2–.52 38.19N–.03 28.78E–.04 9–5 2.7
ISK II 21 11 32 55.1 38.20N 28.76E 9 2.7
CSEM II 21 11 32 55.2–.12 38.19N 28.78E 10 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=168.5.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=90.0.
ISC II 21 14 41 51.7–1.0 39.12N–.03 29.03E–.04 13–11 36 0-1
ISK II 21 14 41 50.9 39.20N 28.95E 11 2.5 ¶13434944
DDA II 21 14 41 51.6 39.11N 29.07E 7 2.8
ISCJB II 21 14 41 52.3–.62 39.12N–.03 29.06E–.04 22–11 2.8
CSEM II 21 14 41 52.0–.18 39.12N 29.05E 18–2 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.8km az=12.5.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=95.0.
ISC II 22 00 49 58.8–.79 37.80N–.02 30.54E–.02 10–4 134 0-4
ISK II 22 00 49 57.8 37.79N 30.54E 13 3.6 ¶13434956
DDA II 22 00 49 58.0 37.79N 30.64E 25 3.2
ISCJB II 22 00 49 58.4–.40 37.81N–.02 30.54E–.03 9–3 3.2
CSEM II 22 00 49 58.6–.10 37.79N 30.53E 10 3.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.6km az=143.3.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=161.0.
DDA II 22 01 19 22.7 40.71N 29.03E 12 2.7
CSEM II 22 01 19 22.7 40.71N 29.03E 12 2.7 ¶15133597
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 22 02 41 39.8–1.2 37.84N–.02 27.56E–.03 0–12 82 0-3
DDA II 22 02 41 39.6 37.84N 27.56E 16 3.1 ¶13434961
ISK II 22 02 41 40.0 37.90N 27.56E 5 3.3
CSEM II 22 02 41 40.1–.17 37.84N 27.58E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=65.0.
DDA II 22 04 04 33.5 37.98N 27.64E 7 2.5
¶15133595
DDA Event type ke.
ISC II 22 06 52 12.1–.97 37.92N–.02 29.06E–.03 10–10 45 0-2
ISCJB II 22 06 52 11.6–.55 37.92N–.03 29.07E–.04 3–6 ¶13434966
ISK II 22 06 52 11.0 37.90N 29.05E 4 2.9
DDA II 22 06 52 11.6 37.95N 29.06E 7 2.8
CSEM II 22 06 52 11.7–.10 37.91N 29.07E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=26.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=120.0.
ISC II 22 09 20 08.8–1.1 38.92N–.02 27.10E–.02 11–10 93 1-3
ISCJB II 22 09 20 08.5–.50 38.93N–.02 27.08E–.03 4–5 ¶13434969
ISK II 22 09 20 08.3 38.93N 27.09E 8 3.2
DDA II 22 09 20 08.2 38.91N 27.10E 26 3.1
CSEM II 22 09 20 08.7–.13 38.93N 27.09E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=149.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=65.0.
ISC II 22 11 08 03.9–1.1 39.43N–.03 28.14E–.02 10–9 46 0-2
ISK II 22 11 08 03.3 39.41N 28.13E 13 2.8 ¶13434972
ISCJB II 22 11 08 04.2–.44 39.44N–.03 28.16E–.04 6–6 2.8
CSEM II 22 11 08 04.2–.15 39.45N 28.16E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=33.9.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=59.0.
ISC II 22 15 07 48.2–1.1 40.05N–.03 38.79E–.02 13–12 37 0-2
ISK II 22 15 07 47.4 40.07N 38.77E 10 2.8 ¶13434980
ISCJB II 22 15 07 48.2–.51 40.07N–.03 38.78E–.04 14–6 2.8
DDA II 22 15 07 48.6 40.01N 38.78E 7 3.0L,2.7
CSEM II 22 15 07 48.2–.19 40.05N 38.79E 15 3.0L,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.9km az=13.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=125.0.
ISC II 22 15 33 12.2–.97 37.53N–.04 35.50E–.03 16–9 26 0-2
ISCJB II 22 15 33 11.4–.72 37.57N–.06 35.48E–.06 9–10 ¶13434981
ISK II 22 15 33 11.5 37.57N 35.51E 14 2.7
DDA II 22 15 33 11.7 37.48N 35.61E 5 2.8
CSEM II 22 15 33 11.7–.10 37.58N 35.49E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=7.4km az=169.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=15.0.
ISC II 22 19 05 44.4–1.0 39.11N–.02 29.08E–.02 7–11 65 0-2
DDA II 22 19 05 43.7 39.13N 29.07E 13 3.0 ¶13434985
ISCJB II 22 19 05 44.1–.43 39.09N–.02 29.08E–.03 8–4 3.0
ISK II 22 19 05 44.0 39.11N 29.11E 7 2.7
CSEM II 22 19 05 44.1–.07 39.11N 29.08E 8 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=6.8.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=155.0.
ISC II 22 19 30 26.2–.99 39.12N–.02 29.08E–.02 7–9 88 0-2
ISCJB II 22 19 30 25.7–.40 39.11N–.02 29.07E–.03 3–4 ¶13434986
ISK II 22 19 30 25.0 39.13N 29.07E 2 3.0
DDA II 22 19 30 25.8 39.09N 29.08E 9 3.1
CSEM II 22 19 30 26.0–.07 39.11N 29.07E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=9.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.5km az=43.0.
ISC II 22 20 23 02.7–1.1 38.58N–.03 40.83E–.03 9–12 31 0-2
ISK II 22 20 23 02.8 38.61N 40.87E 5 2.8 ¶13434988
DDA II 22 20 23 02.6 38.60N 40.80E 7 3.0
ISCJB II 22 20 23 03.1–.57 38.58N–.03 40.87E–.04 9–7 3.0
CSEM II 22 20 23 03.0–.19 38.57N 40.86E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=160.1.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=151.0.
ISC II 22 20 25 33.5–1.1 41.11N–.02 34.48E–.02 3–11 64 0-4
ISK II 22 20 25 32.8 41.12N 34.48E 7 3.3 ¶13434989
DDA II 22 20 25 32.6 41.09N 34.48E 11 3.4
CSEM II 22 20 25 33.2–.09 41.11N 34.47E 2 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=114.0.
ISC II 22 23 01 40.1–.89 39.12N–.03 29.03E–.02 16–7 42 0-1
ISK II 22 23 01 39.7 39.13N 29.04E 12 2.5 ¶13434992
ISCJB II 22 23 01 40.2–.45 39.11N–.03 29.03E–.03 5–7 2.5
DDA II 22 23 01 40.2 39.13N 29.02E 7 2.9
CSEM II 22 23 01 40.3–.15 39.12N 29.03E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=159.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=164.0.
ISC II 23 00 00 18.1–.98 37.85N–.02 27.59E–.02 11–8 66 0-2
ISK II 23 00 00 16.8 37.86N 27.60E 5 3.0 ¶13434995
DDA II 23 00 00 17.7 37.88N 27.57E 7 3.1
CSEM II 23 00 00 17.9–.15 37.86N 27.59E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=82.0.
DDA II 23 01 34 48.7 37.49N 27.62E 7 2.8
¶15133648
DDA Event type ke.
ISC II 23 02 41 10.2–.90 39.12N–.02 29.05E–.02 12–8 59 0-2
ISK II 23 02 41 09.4 39.12N 29.04E 10 2.8 ¶13434999
ISCJB II 23 02 41 10.0–.42 39.09N–.02 29.07E–.03 8–4 2.8
CSEM II 23 02 41 10.1–.08 39.11N 29.05E 10 2.9
DDA II 23 02 41 10.2 39.08N 29.06E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=158.5.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=161.0.
DDA Event type ke.
ISC II 23 03 19 07.3–1.2 38.73N–.02 43.51E–.03 18–5 40 0-2
ISK II 23 03 19 07.5 38.76N 43.46E 14 2.9 ¶13435001
DDA II 23 03 19 07.1 38.68N 43.53E 7 3.2
CSEM II 23 03 19 07.6–.23 38.73N 43.48E 20 2.9
ISCJB II 23 03 19 08.2–.50 38.72N–.03 43.51E–.06 20–8 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC II 23 03 30 11.7–1.1 37.00N–.03 36.10E–.03 3–12 30 0-2
ISCJB II 23 03 30 11.2–.57 37.00N–.03 36.11E–.04 3–9 ¶13435002
ISK II 23 03 30 11.0 37.02N 36.09E 6 2.4
CSEM II 23 03 30 11.6–.15 37.01N 36.10E 2 2.4
DDA II 23 03 30 13.7 36.91N 36.27E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=5.2km az=11.8.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=146.0.
DDA Event type ke.
ISC II 23 05 12 13.2–.92 39.08N–.03 29.03E–.02 11–8 42 0-2
ISK II 23 05 12 12.0 39.07N 29.05E 2 2.8 ¶13435004
DDA II 23 05 12 12.7 39.09N 29.02E 7 3.0
ISCJB II 23 05 12 13.0–.55 39.07N–.03 29.03E–.03 6–6 3.0
CSEM II 23 05 12 13.1–.09 39.09N 29.03E 5 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=180.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=6.0.
DDA II 23 08 09 36.1 37.59N 35.55E 7 2.6
¶15133644
DDA Event type ke.
ISC II 23 08 35 46.5–.95 39.13N–.02 29.02E–.02 13–11 40 0-1
ISCJB II 23 08 35 46.8–.47 39.11N–.03 29.07E–.03 8–5 ¶13435008
ISK II 23 08 35 46.3 39.14N 29.05E 5 2.5
DDA II 23 08 35 46.2 39.13N 29.06E 7 2.8
CSEM II 23 08 35 46.8–.21 39.11N 29.06E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=164.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=131.0.
ISC II 23 09 54 30.6–1.7 39.53N–.07 28.25E–.04 13–17 20 0-2
ISK II 23 09 54 30.2 39.57N 28.24E 5 2.8 ¶13435011
ISCJB II 23 09 54 31.9–.90 39.6N–.10 28.25E–.06 11–9 2.8
CSEM II 23 09 54 31.9–.42 39.58N 28.23E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.3km s-min=6.2km az=12.6.
CSEM Event type ke. Error ellipse: s-maj=18.2km s-min=6.1km az=12.0.
ISC II 23 10 59 42.6–1.2 40.85N–.04 30.35E–.03 14–10 36 0-2
ISCJB II 23 10 59 42.5–.95 40.87N–.06 30.36E–.06 4–8 ¶13435014
CSEM II 23 10 59 42.5 40.85N 30.35E 6 2.9
ISK II 23 10 59 42.5 40.85N 30.35E 6 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.5km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
DDA II 23 12 05 46.3 41.18N 36.19E 7 2.6
¶15133642
DDA Event type ke.
ISC II 23 21 58 44.8–1.0 37.92N–.03 29.12E–.03 7–13 40 0-2
ISCJB II 23 21 58 44.8–.58 37.89N–.03 29.13E–.04 4–6 ¶13435025
ISK II 23 21 58 44.6 37.91N 29.17E 3 2.9
DDA II 23 21 58 44.5 37.91N 29.12E 6 2.9
CSEM II 23 21 58 44.9–.13 37.89N 29.15E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=22.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=124.0.
ISC II 23 23 54 34.7–.91 38.33N–.02 28.24E–.02 15–8 59 0-2
ISK II 23 23 54 33.9 38.34N 28.24E 6 2.8 ¶13435026
ISCJB II 23 23 54 34.2–.53 38.33N–.02 28.21E–.03 8–4 2.8
DDA II 23 23 54 34.3 38.33N 28.21E 7 3.0
CSEM II 23 23 54 34.5–.13 38.33N 28.23E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.8km az=141.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=141.0.
ISC II 24 02 38 41.7–1.1 36.03N–.02 35.74E–.03 18–5 48 0-3
DDA II 24 02 38 41.6 36.12N 35.76E 17 3.1 ¶12855463
CSEM II 24 02 38 42.2–.31 36.10N 35.79E 10 3.1
ISCJB II 24 02 38 43.1–.90 36.12N–.03 35.84E–.04 14–5 3.1
NSSC II 24 02 38 43.8–3.7 35.99N 36.10E 0–24 2.2L,1.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.5km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=147.9.
NSSC Error ellipse: s-maj=17.1km s-min=35.8km az=-1.0.
ISC II 24 03 16 05.2–1.0 36.98N–.04 34.44E–.04 9–7 26 0-2
ISK II 24 03 16 04.7 36.97N 34.40E 7 2.8 ¶13435030
DDA II 24 03 16 04.6 36.99N 34.44E 7 3.0
ISCJB II 24 03 16 05.3–.76 37.00N–.04 34.45E–.05 6–7 3.0
CSEM II 24 03 16 05.2–.16 37.00N 34.42E 5 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=6.2km az=157.8.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=4.0.
ISC II 24 05 09 58.4–1.0 37.90N–.04 29.17E–.05 7–14 22 0-2
ISCJB II 24 05 09 58.2–.77 37.90N–.04 29.19E–.08 2–11 ¶13435031
DDA II 24 05 09 58.2 37.88N 29.16E 7 2.9
CSEM II 24 05 09 58.0–.26 37.88N 29.22E 2 2.5
ISK II 24 05 10 00.6 38.06N 29.23E 10 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.5km az=24.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.8km az=122.0.
ISC II 24 05 20 59.6–1.1 38.50N–.03 39.62E–.02 5–10 49 0-2
ISCJB II 24 05 20 59.5–.53 38.53N–.03 39.62E–.03 4–5 ¶13435032
ISK II 24 05 20 59.0 38.50N 39.61E 6 3.0
DDA II 24 05 20 59.5 38.44N 39.64E 7 3.1
CSEM II 24 05 20 59.7–.22 38.52N 39.61E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=176.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=168.0.
ISC II 24 07 41 20.4–1.1 39.14N–.02 29.04E–.02 0–13 148 0-11
ISCJB II 24 07 41 19.9–.40 39.13N–.02 29.04E–.02 2–4 ¶13435038
ISK II 24 07 41 19.4 39.13N 29.06E 3 3.4L

DDA II 24 07 41 19.9 39.13N 29.02E 7 3.6L
CSEM II 24 07 41 20.4–.08 39.13N 29.06E 2 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=173.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=34.0.
DDA II 24 08 40 04.1 39.28N 33.09E 7 2.8
CSEM II 24 08 40 04.1 39.28N 33.09E 7 2.8 **¶15133672**
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 24 10 19 16.3–1.2 37.28N–.03 35.94E–.03 0–13 26 0-1
DDA II 24 10 19 15.7 37.23N 35.86E 7 2.8 **¶13435041**
ISK II 24 10 19 16.3 37.40N 36.01E 18 2.3
CSEM II 24 10 19 16.5–.54 37.29N 35.91E 10 2.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=9.7km az=176.0.
ISC II 24 11 02 38.9–.93 38.91N–.03 41.30E–.03 11–7 39 0-2
ISK II 24 11 02 38.1 38.89N 41.32E 7 3.0 **¶13435042**
DDA II 24 11 02 38.8 38.89N 41.32E 7 3.0
CSEM II 24 11 02 38.5–.38 38.94N 41.23E 0–4 3.0
ISCJB II 24 11 02 39.5–.58 38.95N–.03 41.29E–.05 8–4 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC II 24 12 12 25.3–1.1 39.67N–.03 38.57E–.04 16–10 33 0-2
ISCJB II 24 12 12 25.8–.59 39.68N–.03 38.58E–.05 7–6 **¶13435046**
ISK II 24 12 12 25.4 39.68N 38.57E 11 2.8
CSEM II 24 12 12 25.8–.23 39.67N 38.61E 10 2.9
DDA II 24 12 12 25.6 39.66N 38.58E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.6km az=173.1.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=88.0.
DDA Event type ke.
ISC II 24 13 29 57.9–1.5 36.78N–.06 29.35E–.03 4–12 23 0-1
DDA II 24 13 29 53.8 36.34N 29.33E 6 2.7 **¶13435051**
CSEM II 24 13 29 54.6–.89 36.25N 29.43E 20 2.4
ISK II 24 13 29 57.3 36.85N 29.33E 5 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=18.3km s-min=8.2km az=173.0.
ISC II 24 14 59 28.9–1.3 39.26N–.04 41.70E–.04 15–10 22 0-2
ISK II 24 14 59 28.8 39.29N 41.70E 13 2.8 **¶13435057**
CSEM II 24 14 59 28.6–1.1 39.28N 41.68E 19–2 2.8
ISCJB II 24 14 59 29.8–.61 39.25N–.05 41.68E–.05 19–9 2.8
DDA II 24 14 59 29.1 39.28N 41.70E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=29.8km s-min=15.7km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.6km az=142.9.
DDA Event type ke.
ISC II 24 16 16 28.9–.97 38.47N–.03 39.19E–.03 8–8 61 0-3
ISK II 24 16 16 27.8 38.51N 39.14E 2 3.2 **¶15133653**
ISCJB II 24 16 16 28.7–.57 38.48N–.03 39.17E–.03 6–4 3.2
DDA II 24 16 16 28.2 38.49N 39.17E 17 3.1
CSEM II 24 16 16 28.7–.13 38.48N 39.16E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=157.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=143.0.
ISC II 24 17 05 19.1–.95 39.11N–.02 29.05E–.02 10–8 60 0-2
ISCJB II 24 17 05 18.9–.48 39.12N–.03 29.04E–.03 2–6 **¶13435060**
ISK II 24 17 05 18.7 39.10N 29.06E 6 2.8
DDA II 24 17 05 19.1 39.10N 29.02E 8 2.9
CSEM II 24 17 05 19.3–.09 39.10N 29.05E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=161.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=158.0.
ISC II 24 17 55 57.9–.94 39.11N–.04 29.02E–.02 11–8 42 0-2
ISK II 24 17 55 56.8 39.14N 28.99E 5 2.7 **¶13435065**
ISCJB II 24 17 55 57.4–.51 39.11N–.05 29.02E–.04 5–7 2.7
DDA II 24 17 55 57.2 39.11N 29.03E 7 2.8
CSEM II 24 17 55 57.6–.11 39.11N 29.01E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=3.7km az=153.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=146.0.
ISC II 24 18 11 13.9–1.2 37.34N–.02 27.07E–.03 8–11 63 0-3
ISCJB II 24 18 11 13.4–.91 37.35N–.03 27.04E–.05 1–7 **¶13435067**
DDA II 24 18 11 13.2 37.35N 27.05E 7 3.0
CSEM II 24 18 11 13.7–.17 37.36N 27.04E 2 3.3
ISK II 24 18 11 14.0 37.40N 27.13E 5 3.3
ATH II 24 18 11 14.8 37.22N 27.04E 21–3 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.7km az=170.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=66.0.
ATH Error ellipse: s-maj=2.7km s-min=2.0km az=-1.0.
ISC II 24 20 08 08.1–1.3 38.54N–.04 37.39E–.03 7–11 26 0-2
ISK II 24 20 08 06.8 38.54N 37.38E 6 2.8 **¶13435070**
ISCJB II 24 20 08 07.9–.65 38.55N–.04 37.37E–.04 5–6 2.8
DDA II 24 20 08 08.6 38.52N 37.41E 7 2.8
CSEM II 24 20 08 08.6–.24 38.50N 37.40E 20 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=12.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.7km az=4.0.
DDA II 25 09 07 45.8 38.60N 27.05E 7 2.7
CSEM II 25 09 07 45.8 38.60N 27.05E 7 2.7 **¶15133708**
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 25 13 27 52.4–.89 39.13N–.02 29.08E–.02 13–8 160 0-8
ISCJB II 25 13 27 51.5–.41 39.15N–.02 29.07E–.02 3–4 **¶13435083**
CSEM II 25 13 27 51.9–.06 39.13N 29.08E 5 3.6L
DDA II 25 13 27 51.7 39.12N 29.07E 10 3.6L
ISK II 25 13 27 51.4 39.13N 29.08E 8 3.4,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=159.6.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=70.0.
DDA Event type ke.
ISC II 25 15 47 14.7–1.1 38.34N–.04 39.23E–.02 8–11 51 0-3
ISK II 25 15 47 13.3 38.38N 39.21E 3 3.4 **¶13435087**
ISCJB II 25 15 47 14.5–.64 38.36N–.03 39.21E–.03 6–5 3.4
DDA II 25 15 47 14.6 38.32N 39.19E 7 3.5L,3.4
CSEM II 25 15 47 14.6–.17 38.36N 39.22E 5 3.5L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=9.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=169.0.
ISC II 26 00 40 16.0–.93 39.12N–.02 29.04E–.02 10–10 78 0-2
ISCJB II 26 00 40 15.6–.41 39.12N–.03 29.04E–.03 4–5 **¶13435096**
ISK II 26 00 40 15.6 39.13N 29.06E 5 2.9
DDA II 26 00 40 15.2 39.12N 29.03E 7 3.0
CSEM II 26 00 40 16.0–.06 39.12N 29.05E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=165.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=160.0.
ISC II 26 00 47 30.5–1.2 36.91N–.03 35.91E–.03 14–11 35 0-1
ISK II 26 00 47 30.6 36.94N 35.93E 17 2.8 **¶13435097**
ISCJB II 26 00 47 31.4–.49 36.92N–.03 35.88E–.04 21–7 2.8
DDA II 26 00 47 31.2 36.85N 35.87E 7 3.3
CSEM II 26 00 47 31.2–.17 36.92N 35.87E 20 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.4km az=38.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=4.1km az=52.0.
DDA II 26 05 37 00.8 39.08N 29.03E 7 2.8
¶15133750
DDA Event type ke.
ISC II 26 07 00 59.9–1.2 38.58N–.03 35.87E–.02 7–11 35 0-2
ISK II 26 07 00 59.8 38.57N 35.88E 6 2.8 **¶13435100**
DDA II 26 07 00 60.0 38.56N 35.85E 7 3.0
CSEM II 26 07 01 01.5–.37 38.65N 35.84E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=6.7km az=37.0.
ISC II 26 08 53 43.1–1.1 37.20N–.02 36.92E–.02 3–8 3.4b 125 0-78
ISK II 26 08 53 41.8 37.18N 36.92E 7 3.8L,3.7 **¶12701910**
ISCJB II 26 08 53 42.4–.48 37.20N–.02 36.89E–.03 6–4 3.4b,3.1s
CSEM II 26 08 53 42.9–.11 37.19N 36.93E 8 3.9L,3.1s
DDA II 26 08 53 42.2 37.21N 36.91E 14 3.9L,3.1s
IDC II 26 08 53 43.3–.93 37.17N 36.78E 0 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=29.8.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=119.0.
DDA Event type ke.
IDC Error ellipse: s-maj=18.3km s-min=11.9km az=86.0.
ISC II 26 10 53 55.2–1.2 36.95N–.04 29.41E–.03 8–10 31 0-2
ISK II 26 10 53 54.5 36.99N 29.36E 6 2.7 **¶13435107**
ISCJB II 26 10 53 55.2–.68 36.91N–.04 29.35E–.04 12–6 2.7
CSEM II 26 10 53 55.1–.22 36.95N 29.40E 10 2.7
DDA II 26 10 53 56.4 37.00N 29.39E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=24.5.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.4km az=30.0.
DDA Event type ke.
ISC II 26 15 10 46.9–1.6 39.12N–.05 29.05E–.04 7–16 22 0-1
ISK II 26 15 10 47.5 39.18N 28.97E 9 2.3 **¶13435116**
DDA II 26 15 10 48.0 39.11N 29.08E 7 2.6
CSEM II 26 15 10 48.0–.25 39.15N 29.00E 15 2.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.4km az=122.0.
ISC II 26 15 33 22.5–.81 38.92N–.02 27.88E–.02 9–5 61 0-2
DDA II 26 15 33 21.9 38.93N 27.91E 10 2.8 **¶13435117**
ISCJB II 26 15 33 22.4–.38 38.92N–.02 27.90E–.03 6–3 2.8
ISK II 26 15 33 22.1 38.91N 27.91E 6 2.8
CSEM II 26 15 33 22.4–.12 38.92N 27.89E 5 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.7km az=142.9.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=71.0.
ISC II 26 17 28 31.5–.94 39.60N–.05 42.84E–.03 9–8 27 0-2
CSEM II 26 17 28 30.9–.34 39.55N 42.79E 2 2.8 **¶13435118**
ISK II 26 17 28 31.0 39.65N 42.84E 5 2.8
DDA II 26 17 28 31.2 39.61N 42.86E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=6.6km az=10.0.
DDA Event type ke.
DDA II 26 19 05 57.8 38.61N 38.98E 15 2.8L
¶15133727
DDA Event type ke.
ISC II 26 19 54 28.9–.92 37.81N–.03 29.09E–.03 9–7 34 0-2
ISCJB II 26 19 54 28.6–.53 37.82N–.04 29.10E–.05 7–6 **¶13435121**
ISK II 26 19 54 28.2 37.82N 29.11E 6 2.7
DDA II 26 19 54 28.4 37.84N 29.12E 7 2.8
CSEM II 26 19 54 28.6–.07 37.81N 29.10E 7–0 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.1km az=33.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=107.0.
ISC II 26 21 00 28.7–.90 39.12N–.03 29.01E–.02 14–8 38 0-2
ISK II 26 21 00 27.4 39.12N 28.99E 5 2.7 **¶13435122**
ISCJB II 26 21 00 28.2–.49 39.12N–.03 29.03E–.03 4–8 2.7
CSEM II 26 21 00 28.4–.13 39.13N 29.01E 8 3.0
DDA II 26 21 00 29.5 39.07N 29.01E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=140.1.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=129.0.
DDA Event type ke.
DDA II 26 21 27 20.3 37.38N 38.60E 7 2.8
¶15133723
DDA Event type ke.
ISC II 26 21 27 45.6–1.1 39.12N–.03 29.05E–.05 11–18 17 0-1
ISCJB II 26 21 27 45.3–.74 39.12N–.04 29.06E–.06 1–16 **¶15133722**
DDA II 26 21 27 45.8 39.09N 29.02E 7 2.6
CSEM II 26 21 27 45.8 39.09N 29.02E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=6.3km az=138.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 26 22 14 45.5–1.0 39.00N–.03 41.05E–.03 7–8 35 0-3
ISK II 26 22 14 43.7 38.99N 41.05E 5 3.1 **¶13435127**
ISCJB II 26 22 14 45.2–.53 39.02N–.04 41.04E–.04 6–4 3.1
DDA II 26 22 14 45.6 38.90N 41.07E 7 3.3
CSEM II 26 22 14 45.1–.16 39.00N 41.05E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=10.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=4.0km az=33.0.
DDA II 27 00 10 27.3 39.12N 29.40E 7 2.7
¶15133783
DDA Event type ke.
ISC II 27 00 25 09.9–.98 38.89N–.03 29.18E–.02 12–11 36 0-1
ISCJB II 27 00 25 09.5–.47 38.89N–.03 29.19E–.04 8–7 **¶13435129**
ISK II 27 00 25 09.1 38.88N 29.18E 8 2.6
CSEM II 27 00 25 09.7–.08 38.89N 29.19E 10 2.9
DDA II 27 00 25 10 38.86N 29.14E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=169.1.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=25.0.
DDA Event type ke.
ISC II 27 00 59 43.3–1.1 37.94N–.03 27.62E–.04 14–12 32 0-2
ISCJB II 27 00 59 43.7–.64 37.93N–.04 27.62E–.05 10–9 **¶13435130**
ISK II 27 00 59 43.5 37.93N 27.63E 5 2.8
DDA II 27 00 59 43.6 37.93N 27.61E 7 3.0L
CSEM II 27 00 59 44.0–.27 37.93N 27.64E 10 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.1km az=150.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.0km az=97.0.
ISC II 27 01 24 22.3–1.1 39.11N–.02 29.03E–.02 5–11 93 0-2
ISK II 27 01 24 20.8 39.10N 29.03E 5 3.0 **¶13435131**
DDA II 27 01 24 22.1 39.11N 29.01E 7 3.2L
CSEM II 27 01 24 22.1–.09 39.11N 29.03E 2 3.2L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=132.0.
ISC II 27 04 08 37.2–1.1 39.09N–.04 29.06E–.04 11–11 24 0-1
ISK II 27 04 08 36.1 39.07N 29.05E 2 2.4 **¶13435133**

CSEM II 27 04 08 37.2–.28 39.11N 29.06E 10 2.7
DDA II 27 04 08 38.1 39.11N 29.01E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=150.0.
DDA Event type ke.
ISC II 27 04 25 40.1–1.1 37.87N–.03 29.21E–.05 13–7 28 0-1
ISCJB II 27 04 25 39.8–.96 37.88N–.04 29.23E–.08 11–6 ¶13435135
ISK II 27 04 25 39.8 37.89N 29.23E 9 2.6
DDA II 27 04 25 39.6 37.88N 29.18E 7 2.6
CSEM II 27 04 25 39.7–.33 37.88N 29.25E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.7km az=24.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.1km az=118.0.
ISC II 27 13 24 24.2–.91 40.24N–.04 36.58E–.04 11–6 33 0-2
ISK II 27 13 24 23.9 40.22N 36.52E 5 2.8 ¶13435153
DDA II 27 13 24 24.9 40.23N 36.54E 3 2.5
CSEM II 27 13 24 25.6–.24 40.27N 36.58E 0–2 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=170.0.
ISC II 27 13 38 31.0–.91 39.48N–.05 33.50E–.03 13–8 25 0-1
ISK II 27 13 38 29.7 39.56N 33.51E 8 2.6 ¶13435154
ISCJB II 27 13 38 31.3–.60 39.45N–.06 33.48E–.05 11–7 2.6
DDA II 27 13 38 31.6 39.49N 33.48E 7 2.6
CSEM II 27 13 38 31.0–.16 39.46N 33.48E 12 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.1km az=18.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=6.0.
ISK II 27 15 52 57.4 40.64N 26.52E 13 2.2
CSEM II 27 15 52 57.4 40.64N 26.52E 13 2.2 ¶13435162
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
DDA II 28 00 55 04.2 37.88N 29.46E 7 2.4
¶15133855
DDA Event type ke.
ISC II 28 05 38 07.1–.96 39.27N–.02 29.22E–.02 8–9 82 0-2
ISCJB II 28 05 38 06.6–.44 39.27N–.02 29.21E–.03 1–5 ¶13435182
ISK II 28 05 38 06.5 39.26N 29.25E 8 2.8
DDA II 28 05 38 06.8 39.27N 29.20E 7 3.0
CSEM II 28 05 38 07.0–.09 39.26N 29.22E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=164.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=147.0.
ISC II 28 07 02 05.2–1.1 38.35N–.02 27.74E–.02 3–11 88 0-3
DDA II 28 07 02 04.9 38.36N 27.75E 7 2.8 ¶13435185
ISK II 28 07 02 04.8 38.35N 27.72E 5 3.1
CSEM II 28 07 02 05.2–.10 38.35N 27.74E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=101.0.
ISC II 28 09 41 14.7–.88 38.95N–.02 41.29E–.03 13–6 54 0-3
ISK II 28 09 41 13.9 38.93N 41.29E 8 3.0 ¶13435189
ISCJB II 28 09 41 14.8–.55 38.95N–.03 41.32E–.04 8–4 3.0
DDA II 28 09 41 14.5 38.94N 41.27E 14 3.2
CSEM II 28 09 41 14.4–.22 38.94N 41.33E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=28.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.9km az=104.0.
CSEM II 28 12 17 40.4–1.1 38.69N 41.01E 5 2.7
ISK II 28 12 17 43.6 38.82N 41.27E 6 2.7 ¶13435200
DDA II 28 12 17 47.6 39.01N 41.25E 7 2.7
CSEM Event type ke. Error ellipse: s-maj=23.3km s-min=13.1km az=176.0.
DDA Event type ke.
ISC II 28 16 30 31.2–.72 39.35N–.02 29.17E–.01 8–7 257 0-9
ISK II 28 16 30 29.3 39.33N 29.17E 5 3.6 ¶13435205
ISCJB II 28 16 30 30.2–.41 39.35N–.01 29.16E–.02 0–3 3.6
DDA II 28 16 30 30.7 39.35N 29.15E 15 3.6,3.5L
CSEM II 28 16 30 30.8–.08 39.34N 29.17E 2 3.6,3.5L
THE II 28 16 30 34.4 39.41N 28.85E 0–11 3.6,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=22.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=39.0.
THE Event type ke. Error ellipse: s-maj=26.8km s-min=3.1km az=91.0.
ISC II 28 16 47 44.1–1.0 39.35N–.02 29.15E–.02 8–9 60 0-2
ISK II 28 16 47 43.1 39.34N 29.13E 8 2.6 ¶13435206
DDA II 28 16 47 44.7 39.31N 29.16E 7 3.1L
CSEM II 28 16 47 44.1–.17 39.36N 29.15E 8 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=124.0.
DDA II 28 17 06 14.2 37.93N 29.31E 7 1.7
¶15133839
DDA Event type ke.
ISC II 28 17 18 41.5–1.1 38.50N–.03 40.75E–.03 18–8 35 1-2
ISK II 28 17 18 40.8 38.49N 40.60E 16 2.9 ¶13435208
DDA II 28 17 18 40.6 38.51N 40.72E 7 2.9
CSEM II 28 17 18 41.6–.36 38.51N 40.73E 10 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=8.7km az=166.0.
ISC II 28 19 07 13.7–1.0 38.00N–.02 38.16E–.02 8–9 81 0-4
ISK II 28 19 07 12.4 38.00N 38.14E 5 3.7 ¶13435210
DDA II 28 19 07 13.2 38.01N 38.13E 9 3.7L
CSEM II 28 19 07 13.1–.16 37.97N 38.15E 2 3.7L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=140.0.
ISK II 28 19 36 38.5 37.83N 29.14E 8 2.8
CSEM II 28 19 36 38.5 37.83N 29.14E 8 2.8 ¶13435211
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISK II 28 19 52 58.3 39.32N 29.16E 7 2.8
DDA II 28 19 52 40.5 37.82N 29.04E 7 2.1 ¶13435212
CSEM II 28 19 52 58.3 39.32N 29.16E 7 2.8
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC II 28 20 23 13.7–1.2 39.35N–.05 29.21E–.03 18–4 26 0-1
ISK II 28 20 23 12.7 39.30N 29.17E 7 2.6 ¶15133807
ISCJB II 28 20 23 13.7–.56 39.34N–.04 29.18E–.04 10–8 2.6
CSEM II 28 20 23 13.9–.21 39.34N 29.19E 10 2.6
DDA II 28 20 23 14.2 39.33N 29.16E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=8.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=14.0.
DDA Event type ke.
ISC II 28 20 36 33.6–.92 39.33N–.02 29.16E–.02 13–8 80 0-2
ISCJB II 28 20 36 34.0–.49 39.32N–.02 29.17E–.03 7–4 ¶13435214
ISK II 28 20 36 33.7 39.30N 29.20E 10 2.8
CSEM II 28 20 36 33.9–.11 39.33N 29.18E 5 2.8
DDA II 28 20 36 34.3 39.32N 29.17E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=151.5.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=146.0.
DDA Event type ke.
ISC II 28 23 24 49.8–1.0 37.91N–.02 27.43E–.03 9–11 80 0-4
ISK II 28 23 24 47.3 37.89N 27.33E 5 3.6 ¶13435217
DDA II 28 23 24 49.2 37.91N 27.45E 7 2.9
CSEM II 28 23 24 49.6–.31 37.93N 27.47E 2 2.9

ATH II 28 23 24 50.0 38.12N 27.71E 42–5 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=6.4km az=99.0.
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC III 01 00 08 18.5–.94 37.77N–.02 29.29E–.03 13–7 60 0-3
ISK III 01 00 08 17.7 37.75N 29.34E 12 3.1 ¶13435219
ISCJB III 01 00 08 18.0–.61 37.74N–.04 29.31E–.04 10–5 3.1
CSEM III 01 00 08 18.0–.15 37.73N 29.33E 8 3.0L
DDA III 01 00 08 20.3 37.83N 29.09E 2 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.5km az=141.5.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=116.0.
DDA Event type ke.
ISC III 01 00 59 04.0–.86 37.82N–.02 29.02E–.02 9–6 88 0-3
DDA III 01 00 59 03.1 37.84N 29.11E 5 2.6 ¶13435221
ISK III 01 00 59 04.1 37.80N 28.96E 2 3.1
CSEM III 01 00 59 04.9–.18 37.78N 28.97E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=57.0.
ISC III 01 01 22 26.2–.82 40.85N–.01 27.56E–.01 15–6 181 0-5
SOF III 01 01 22 21.5 40.69N 27.59E 2 2.9 ¶13435224
ATH III 01 01 22 22.1 41.06N 27.80E 26–15 3.5
ISCJB III 01 01 22 25.5–.34 40.86N–.02 27.56E–.02 4–3 3.5
DDA III 01 01 22 25.5 40.82N 27.57E 15 3.3L
CSEM III 01 01 22 25.9–.10 40.85N 27.55E 5 3.4
ISK III 01 01 22 25.3 40.84N 27.57E 4 3.4
ISC Event type ke.
ATH Error ellipse: s-maj=6.9km s-min=11.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=171.6.
DDA Event type ke.
CSEM Event type ke.
ISC III 01 02 42 30.2–1.2 37.17N–.03 36.92E–.03 2–14 24 0-2
ISK III 01 02 42 28.8 37.23N 36.94E 2 2.5 ¶13435229
CSEM III 01 02 42 29.8–.41 37.16N 36.96E 2 2.8
ISCJB III 01 02 42 30.2–.57 37.16N–.04 36.93E–.04 8–12 2.8
DDA III 01 02 42 30.3 37.13N 36.95E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=8.2km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.1km az=173.9.
DDA Event type ke.
ISC III 01 03 05 53.3–.94 37.81N–.03 29.15E–.05 10–8 28 0-2
ISK III 01 03 05 52.8 37.84N 29.13E 6 2.8 ¶13435233
CSEM III 01 03 05 52.9–.11 37.82N 29.17E 2 2.8
ISCJB III 01 03 05 53.4–.54 37.83N–.03 29.07E–.07 10–7 2.8
DDA III 01 03 05 53.7 37.82N 29.06E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.8km az=6.9.
DDA Event type ke.
ISC III 01 03 26 13.6–1.0 37.05N–.04 28.17E–.02 7–7 88 0-4
DDA III 01 03 26 12.4 37.00N 28.17E 27 3.1 ¶13435236
ISCJB III 01 03 26 13.4–.66 37.05N–.04 28.17E–.03 7–4 3.1
ISK III 01 03 26 13.9 37.16N 28.17E 8 3.4
CSEM III 01 03 26 13.9–.26 37.09N 28.18E 5 3.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.9km az=179.2.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.0km az=1.0.
ISC III 01 05 36 22.0–1.6 39.20N–.08 29.09E–.04 14–10 22 0-2
ISCJB III 01 05 36 21.7–1.2 39.18N–.08 29.06E–.05 6–9 ¶13435241
ISK III 01 05 36 21.9 39.23N 29.08E 7 2.5
DDA III 01 05 36 21.1 39.16N 29.09E 7 2.8
CSEM III 01 05 36 22.2–.45 39.20N 29.08E 10 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=5.8km az=13.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=4.6km az=10.0.
ISC III 01 06 18 05.8–1.2 37.84N–.02 29.04E–.03 0–11 44 0-2
CSEM III 01 06 18 05.8–.18 37.84N 29.06E 2 2.9 ¶13435244
DDA III 01 06 18 05.6 37.85N 29.11E 5 2.9L
ISK III 01 06 18 05.0 37.85N 28.95E 4 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=99.0.
DDA Event type ke.
ISC III 01 06 36 07.1–1.0 39.88N–.03 39.09E–.03 14–11 24 0-1
ISK III 01 06 36 06.5 39.91N 39.06E 12 2.5 ¶13435248
DDA III 01 06 36 06.8 39.86N 39.11E 7 2.8
CSEM III 01 06 36 06.9–.16 39.88N 39.11E 20 2.5
ISCJB III 01 06 36 07.6–.99 39.89N–.04 39.10E–.05 19–18 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISK III 01 06 58 01.1 37.85N 28.99E 5 2.9
CSEM III 01 06 58 02.0–.24 37.86N 28.97E 5 2.9 ¶13435250
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.2km az=89.0.
ISK III 01 06 58 27.6 40.83N 27.57E 6 2.8
DDA III 01 06 58 27.8 40.85N 27.57E 9 2.8 ¶13435251
CSEM III 01 06 58 28.0–.09 40.83N 27.56E 10 2.8
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=153.0.
ISC III 01 08 07 59.3–4.7 37.7N–.20 29.12E–.06 31–22 22 0-1
ISK III 01 08 08 00.9 37.84N 29.09E 22 2.4 ¶13435255
CSEM III 01 08 08 00.6–.33 37.75N 29.14E 20 2.6
DDA III 01 08 08 02.0 37.83N 29.07E 7 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=6.2km az=122.0.
DDA Event type ke.
ISC III 01 08 14 52.0–1.0 37.78N–.06 29.03E–.05 7–8 26 0-1
ISK III 01 08 14 48.0 37.58N 29.14E 6 2.5 ¶13435256
CSEM III 01 08 14 51.9–.66 37.76N 29.10E 5 2.6
ISCJB III 01 08 14 52.4–1.2 37.80N–.09 29.1E–.10 8–9 2.6
DDA III 01 08 14 53.7 37.87N 29.05E 7 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.6km s-min=6.1km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=5.3km az=135.7.
DDA Event type ke.
ISC III 01 08 32 34.8–1.4 39.17N–.03 27.44E–.04 0–12 33 0-2
ISK III 01 08 32 31.0 39.10N 27.09E 5 2.7 ¶13435258
CSEM III 01 08 32 36.1–.31 39.14N 27.53E 2 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.3km az=98.0.
ISC III 01 09 34 27.0–1.1 37.81N–.03 29.08E–.04 8–8 28 0-1
ISCJB III 01 09 34 26.6–.69 37.82N–.04 29.08E–.07 10–5 ¶13435260
ISK III 01 09 34 26.6 37.83N 28.97E 5 2.5
DDA III 01 09 34 26.1 37.83N 29.07E 7 2.3
CSEM III 01 09 34 27.1–.32 37.82N 29.05E 2 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.1km az=30.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=5.5km az=113.0.
ISC III 01 09 40 46.4–.87 39.09N–.02 27.61E–.04 11 33 0-2
ISK III 01 09 40 45.8 39.05N 27.56E 16 2.7 ¶13435262
ISCJB III 01 09 40 46.4–.66 39.09N–.03 27.52E–.06 11 2.7
CSEM III 01 09 40 46.6–.22 39.07N 27.56E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.0km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=109.0.
ISC III 01 10 02 26.2–1.1 37.83N–.06 29.12E–.05 14–10 21 0-1

CSEM III 01 10 02 25.5–.30 37.74N 29.09E 20 2.5 ¶13435263
ISCJB III 01 10 02 26.8–1.1 37.85N–.08 29.1E–.10 8–16 2.5
ISK III 01 10 02 26.8 37.82N 29.04E 11 2.4
DDA III 01 10 02 26.6 37.86N 29.11E 7 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=6.9km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=20.0km s-min=6.1km az=38.3.
DDA Event type ke.
ISK III 01 10 44 46.0 37.82N 29.14E 9 2.5
CSEM III 01 10 44 46.0 37.82N 29.14E 9 2.5 ¶13435268
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC III 01 11 13 57.8–.85 37.81N–.02 29.06E–.03 11–6 46 0-2
ISCJB III 01 11 13 57.7–.50 37.81N–.03 29.09E–.05 11–4 ¶13435273
ISK III 01 11 13 57.4 37.80N 29.08E 13 2.8
DDA III 01 11 13 57.3 37.85N 29.08E 6 2.8
CSEM III 01 11 13 57.5–.12 37.81N 29.09E 9–1 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.0km az=4.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=100.0.
ISC III 01 11 16 32.2–1.2 39.12N–.03 27.56E–.04 7–11 48 0-2
ISCJB III 01 11 16 32.6–.63 39.11N–.03 27.55E–.05 13–6 ¶13435274
ISK III 01 11 16 32.6 39.13N 27.47E 18 2.7
CSEM III 01 11 16 32.5–.20 39.11N 27.53E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.3km az=165.4.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=90.0.
ISC III 01 12 37 22.8–1.2 37.85N–.06 29.24E–.05 17–13 26 0-2
ISK III 01 12 37 22.9 37.83N 29.29E 6 2.6 ¶13435275
DDA III 01 12 37 22.6 37.89N 29.16E 7 2.5
ISCJB III 01 12 37 23.3–.83 37.86N–.06 29.21E–.08 13–7 2.5
CSEM III 01 12 37 23.2–.38 37.87N 29.24E 2 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=5.4km az=39.2.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=5.1km az=126.0.
ISC III 01 12 39 01.9–1.0 37.83N–.04 29.04E–.05 9–11 26 0-2
ISK III 01 12 39 01.1 37.77N 29.18E 4 2.7 ¶13435276
DDA III 01 12 39 01.5 37.84N 29.07E 7 2.6
ISCJB III 01 12 39 02.1–.60 37.83N–.03 29.04E–.08 2–10 2.6
CSEM III 01 12 39 02.0–.21 37.83N 29.04E 2 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.6km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=3.9km az=110.0.
ISC III 01 13 08 17.6–1.1 39.08N–.02 27.53E–.03 11–9 64 0-2
ISCJB III 01 13 08 17.4–.60 39.10N–.03 27.53E–.04 5–5 ¶13435279
ISK III 01 13 08 17.2 39.07N 27.54E 12 3.0
CSEM III 01 13 08 17.6–.15 39.07N 27.55E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.1km az=155.8.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=58.0.
ISC III 01 13 13 12.5–.92 37.83N–.02 29.08E–.03 7–7 44 0-2
DDA III 01 13 13 11.7 37.84N 29.09E 2 3.0 ¶13435280
ISCJB III 01 13 13 12.4–.44 37.82N–.02 29.07E–.04 7–5 3.0
ISK III 01 13 13 12.1 37.82N 29.08E 7 2.9
CSEM III 01 13 13 12.4–.15 37.81N 29.07E 8 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=178.3.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=92.0.
ISC III 01 14 53 27.5–.91 37.80N–.03 29.12E–.03 14–6 32 0-2
ISK III 01 14 53 27.9 37.83N 29.09E 6 2.6 ¶13435287
DDA III 01 14 53 27.8 37.82N 29.10E 7 2.5
CSEM III 01 14 53 27.9–.16 37.81N 29.10E 5 2.6
ISCJB III 01 14 53 28.1–.51 37.83N–.03 29.07E–.05 8–6 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISK III 01 15 04 21.4 40.45N 30.08E 5 2.0
CSEM III 01 15 04 21.9–.25 40.40N 30.10E 2 2.0 ¶13435288
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.6km az=179.0.
ISK III 01 15 04 48.5 40.85N 27.58E 4 2.7
CSEM III 01 15 04 49.1–.12 40.86N 27.55E 10 2.7 ¶13435289
DDA III 01 15 04 49.1 40.81N 27.57E 7 2.8
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=143.0.
DDA Event type ke.
ISC III 01 16 08 54.2–1.1 36.82N–.04 34.27E–.03 8–9 46 0-3
ISK III 01 16 08 53.7 36.82N 34.28E 8 3.0 ¶13435293
DDA III 01 16 08 53.5 36.81N 34.31E 7 3.3
ISCJB III 01 16 08 54.4–.86 36.85N–.05 34.29E–.04 6–5 3.3
CSEM III 01 16 08 54.3–.16 36.83N 34.28E 5 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.7km az=8.5.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.6km az=8.0.
ISC III 01 16 21 09.8–.88 37.82N–.03 29.11E–.03 9–7 42 0-2
ISK III 01 16 21 09.9 37.84N 29.06E 8 2.6 ¶13435294
DDA III 01 16 21 09.5 37.83N 29.11E 7 2.9
CSEM III 01 16 21 09.8–.18 37.81N 29.10E 5 2.6
ISCJB III 01 16 21 10.0–.46 37.82N–.03 29.07E–.05 7–5 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC III 01 17 48 18.3–.90 37.83N–.03 29.10E–.03 10–8 36 0-2
ISCJB III 01 17 48 18.5–.49 37.83N–.03 29.09E–.05 8–5 ¶13435298
ISK III 01 17 48 18.5 37.85N 29.10E 6 2.7
DDA III 01 17 48 18.1 37.84N 29.10E 7 2.9
CSEM III 01 17 48 18.7–.15 37.84N 29.10E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=12.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=107.0.
DDA III 01 18 43 22.4 39.09N 29.02E 7 2.8
CSEM III 01 18 43 22.4 39.09N 29.02E 7 2.8 ¶15133879
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC III 01 19 03 33.9–1.2 37.85N–.03 29.06E–.04 3–13 34 0-2
ISCJB III 01 19 03 33.9–.65 37.84N–.03 29.08E–.07 0–8 ¶13435307
ISK III 01 19 03 33.4 37.86N 29.06E 2 2.8
DDA III 01 19 03 33.5 37.83N 29.08E 8 2.7
CSEM III 01 19 03 33.9–.15 37.83N 29.08E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.9km az=0.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=89.0.
ISC III 01 19 14 38.7–1.4 37.80N–.08 29.12E–.07 12–12 16 0-1
ISCJB III 01 19 14 38.9–2.3 37.81N–.07 29.12E–.10 10–21 ¶13435309
ISK III 01 19 14 38.8 37.82N 29.13E 5 2.5
DDA III 01 19 14 38.4 37.85N 29.08E 7 2.7
CSEM III 01 19 14 38.7–.13 37.78N 29.13E 10 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=11.9km az=30.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.3km az=117.0.
ISC III 01 19 39 23.6–1.0 37.88N–.03 29.09E–.04 15–9 36 0-1
ISK III 01 19 39 22.8 37.89N 29.10E 24 2.7 ¶13435312
CSEM III 01 19 39 23.8–.21 37.88N 29.08E 10 2.7
ISCJB III 01 19 39 24.3–.56 37.91N–.03 29.06E–.05 4–7 2.7
DDA III 01 19 39 24.1 37.92N 29.07E 8 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=20.7.
DDA Event type ke.
ISC III 01 20 04 08.3–.89 37.82N–.02 29.08E–.03 10–7 36 0-1
ISK III 01 20 04 07.9 37.82N 29.15E 4 2.6 ¶13435316
ISCJB III 01 20 04 08.5–.49 37.82N–.03 29.10E–.05 9–5 2.6
DDA III 01 20 04 08.0 37.85N 29.09E 8 2.7
CSEM III 01 20 04 08.7–.17 37.83N 29.10E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.1km az=18.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=106.0.
ISC III 01 21 26 17.2–.96 37.63N–.03 28.74E–.05 15–7 42 0-2
ISK III 01 21 26 16.5 37.63N 28.69E 13 2.8 ¶13435323
CSEM III 01 21 26 17.1–.21 37.62N 28.69E 12 2.6
DDA III 01 21 26 20.2 37.84N 29.08E 7 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.3km az=78.0.
DDA Event type ke.
ISC III 01 21 48 39.0–.91 37.84N–.05 29.07E–.04 12–8 26 0-1
ISK III 01 21 48 37.2 37.79N 29.03E 25 2.8 ¶13435326
CSEM III 01 21 48 38.9–.29 37.82N 29.09E 12 2.8
ISCJB III 01 21 48 39.5–.76 37.84N–.04 29.07E–.07 9–8 2.8
DDA III 01 21 48 39.1 37.84N 29.10E 7 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.7km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=4.6km az=30.3.
DDA Event type ke.
ISC III 01 22 04 50.7–.87 37.82N–.02 29.08E–.03 11–6 44 0-2
ISCJB III 01 22 04 50.8–.44 37.82N–.02 29.08E–.04 8–4 ¶13435327
DDA III 01 22 04 50.6 37.85N 29.10E 8 2.7
ISK III 01 22 04 50.2 37.81N 29.08E 7 2.6
CSEM III 01 22 04 50.7–.09 37.81N 29.08E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=6.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=95.0.
ISC III 01 22 09 01.4–.94 37.83N–.03 29.08E–.03 13–6 32 0-1
ISK III 01 22 09 00.2 37.81N 29.09E 22 2.4 ¶13435328
ISCJB III 01 22 09 01.6–.51 37.84N–.03 29.09E–.05 11–4 2.4
DDA III 01 22 09 01.0 37.85N 29.09E 5 2.5
CSEM III 01 22 09 01.4–.20 37.83N 29.09E 10 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=7.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=92.0.
ISK III 01 22 12 30.8 37.28N 28.38E 6 2.0
CSEM III 01 22 12 38.7–.35 37.24N 27.86E 8 2.0 ¶16392045
CSEM Event type ke. Error ellipse: s-maj=14.8km s-min=6.4km az=161.0.
ISC III 01 22 12 56.0–1.0 37.84N–.03 29.16E–.04 5–13 26 0-1
ISK III 01 22 12 55.0 37.83N 29.19E 6 2.2 ¶13435330
ISCJB III 01 22 12 56.2–.58 37.84N–.03 29.13E–.05 8–7 2.2
DDA III 01 22 12 56.1 37.84N 29.09E 8 2.7
CSEM III 01 22 12 56.1–.26 37.84N 29.16E 2 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.6km az=7.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=102.0.
ISC III 01 22 29 57.6–.96 37.85N–.02 29.03E–.03 7–8 46 0-2
ISK III 01 22 29 56.4 37.88N 29.03E 5 2.8 ¶13435332
ISCJB III 01 22 29 57.0–.53 37.83N–.03 29.04E–.04 0–6 2.8
DDA III 01 22 29 57.0 37.84N 29.07E 7 2.8
CSEM III 01 22 29 57.3–.14 37.84N 29.05E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=7.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=101.0.
ISC III 01 22 33 07.7–1.0 37.38N–.02 27.09E–.03 12–8 69 0-4
ATH III 01 22 33 06.0 37.39N 27.08E 118–3 ¶13435333
ISCJB III 01 22 33 07.9–.68 37.40N–.02 27.11E–.04 4–5
ISK III 01 22 33 07.3 37.37N 27.12E 5 3.1
DDA III 01 22 33 08.7 37.52N 27.17E 7 3.3
CSEM III 01 22 33 08.5–.20 37.35N 27.11E 2 3.3
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=170.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=62.0.
ISC III 01 22 46 46.0–.88 37.83N–.02 29.06E–.03 9–7 36 0-2
DDA III 01 22 46 45.5 37.84N 29.09E 7 2.6 ¶13435335
ISCJB III 01 22 46 46.2–.47 37.83N–.03 29.05E–.04 5–6 2.6
CSEM III 01 22 46 46.4–.16 37.83N 29.07E 2 2.7
ISK III 01 22 46 46.4 37.83N 29.06E 8 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=11.2.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=109.0.
ISC III 01 23 14 52.0–.83 37.82N–.02 29.10E–.03 14–6 50 0-2
ISK III 01 23 14 51.4 37.82N 29.09E 16 2.8 ¶13435337
CSEM III 01 23 14 51.9–.14 37.82N 29.10E 12 2.8
ISCJB III 01 23 14 52.0–.47 37.82N–.03 29.12E–.04 10–4 2.8
DDA III 01 23 14 52.2 37.85N 29.12E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=15.8.
DDA Event type ke.
ISC III 01 23 25 17.7–1.1 37.85N–.02 29.05E–.03 1–11 46 0-2
DDA III 01 23 25 16.7 37.85N 29.09E 3 2.8 ¶13435338
ISK III 01 23 25 17.1 37.86N 29.00E 5 2.6
CSEM III 01 23 25 17.7–.18 37.84N 29.04E 2 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=87.0.
ISC III 02 00 04 11.2–1.2 37.01N–.04 29.16E–.04 6–13 19 0-1
ISK III 02 00 04 07.6 37.08N 29.10E 26 2.4 ¶13435340
CSEM III 02 00 04 11.0–.35 37.00N 29.19E 8 2.7
DDA III 02 00 04 12.2 37.05N 29.17E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=6.6km az=50.0.
DDA Event type ke.
ISC III 02 00 55 15.0–1.2 37.90N–.02 28.80E–.03 5–10 43 0-2
CSEM III 02 00 55 15.8–.18 37.84N 28.79E 10 2.8 ¶13435345
ISK III 02 00 55 15.2 37.86N 28.77E 10 2.8
ISCJB III 02 00 55 16.9–.52 37.92N–.02 29.03E–.05 4–6 2.8
DDA III 02 00 55 16.5 37.93N 29.06E 2 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=173.4.
DDA Event type ke.
ISC III 02 02 10 30.2–.00 37.91N–.03 29.08E–.04 12–10 26 0-1
DDA III 02 02 10 30.0 37.93N 29.07E 7 2.8 ¶13435347
ISCJB III 02 02 10 30.3–.57 37.93N–.03 29.05E–.06 4–12 2.8
ISK III 02 02 10 30.0 37.91N 29.09E 9 2.5
CSEM III 02 02 10 30.4–.16 37.92N 29.06E 2 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.3km az=16.7.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=114.0.
ISC III 02 04 17 58.5–1.1 37.18N–.02 28.58E–.02 3–8 128 0-40

ISK	III	02 04 17 57.9	37.16N	28.59E	8	3.5L		¶12702235
DDA	III	02 04 17 57.6	37.17N	28.56E	25	3.8		
IDC	III	02 04 17 58.4–1.3	36.97N	28.71E	0	3.6,3.6L		
ISCJB	III	02 04 17 58.1–.48	37.18N–.02	28.57E–.02	2–4	3.4s,3.3b		
CSEM	III	02 04 17 58.7–.13	37.19N	28.56E	2	3.5L,3.3b		
THE	III	02 04 18 00.3	36.96N	28.71E	0–1	4.2L,3.3b		
ISC	Event type ke.							
DDA	Event type ke.							
IDC	Error ellipse: s-maj=23.3km s-min=21.1km az=7.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=150.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=154.0.							
THE	Event type ke. Error ellipse: s-maj=3.3km s-min=1.3km az=322.0.							
ISC	**III**	**02 04 26 15.5–.98**	**40.21N–.03**	**40.88E–.02**	**30–10**		**42**	**0-2**
ISK	III	02 04 26 14.6	40.24N	40.86E	29	2.5		¶13435352
DDA	III	02 04 26 15.6	40.30N	40.89E	7	2.8		
CSEM	III	02 04 26 15.6–.22	40.16N	40.85E	40	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.8km s-min=5.7km az=163.0.							
ISC	**III**	**02 04 45 17.0–.85**	**37.81N–.02**	**29.02E–.04**	**15–5**		**38**	**0-2**
ISK	III	02 04 45 16.3	37.72N	29.17E	10	2.8		¶13435355
DDA	III	02 04 45 16.9	37.84N	29.08E	8	2.8		
ISCJB	III	02 04 45 17.2–.50	37.80N–.03	28.99E–.06	13–4	2.8		
CSEM	III	02 04 45 17.0–.22	37.80N	29.04E	10	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.4km s-min=5.2km az=173.9.							
CSEM	Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=96.0.							
ISC	**III**	**02 05 23 31.8–1.2**	**37.92N–.02**	**27.46E–.02**	**0–12**		**60**	**0-3**
ISK	III	02 05 23 31.9	37.93N	27.40E	5	2.7		¶13435357
DDA	III	02 05 23 31.5	37.93N	27.46E	7	2.9		
CSEM	III	02 05 23 32.4–.12	37.94N	27.46E	2	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=76.0.							
ISC	**III**	**02 05 24 07.3–.84**	**40.58N–.03**	**36.86E–.02**	**12–6**		**55**	**0-2**
DDA	III	02 05 24 06.7	40.59N	36.86E	14	2.8		¶13435358
ISCJB	III	02 05 24 07.8–.52	40.56N–.03	36.83E–.03	8–4	2.8		
CSEM	III	02 05 24 07.7–.20	40.57N	36.85E	5	2.8		
ISK	III	02 05 24 08.5	40.46N	36.87E	18	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=174.5.							
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=3.4km az=2.0.							
ISC	**III**	**02 05 24 38.6–1.4**	**36.8N–.10**	**34.29E–.06**	**12**		**6**	**0-1**
DDA	III	02 05 24 38.4	36.80N	34.29E	7	3.0		¶15134052
ISCJB	III	02 05 24 39.5–1.2	36.8N–.10	34.30E–.08	12	3.0		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke.							
ISC	**III**	**02 07 17 47.3–.92**	**37.81N–.04**	**29.04E–.05**	**12–8**		**30**	**0-2**
ISK	III	02 07 17 46.4	37.80N	28.87E	5	2.4		¶13435363
DDA	III	02 07 17 46.8	37.83N	29.10E	7	2.7		
ISCJB	III	02 07 17 48.0–.55	37.84N–.03	29.01E–.06	3–7	2.7		
CSEM	III	02 07 17 47.9–.33	37.82N	29.01E	2	2.4		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.7km s-min=4.7km az=7.8.							
CSEM	Event type ke. Error ellipse: s-maj=8.0km s-min=6.5km az=106.0.							
ISC	**III**	**02 08 33 41.0–1.6**	**37.86N–.06**	**29.12E–.10**	**3–29**		**9**	**0-1**
ISK	III	02 08 33 40.7	37.85N	29.09E	3	2.5		¶13435366
ISC	Event type ke.							
DDA	**III**	**02 10 01 15.1**	**37.83N**	**29.11E**	**5**	**2.5**		
CSEM	III	02 10 01 15.1	37.83N	29.11E	5	2.5		¶15134041
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.							
ISC	**III**	**02 10 10 31.3–1.0**	**39.15N–.03**	**29.08E–.03**	**27–9**		**36**	**0-2**
ISK	III	02 10 10 30.5	39.15N	29.07E	26	2.5		¶13435368
ISCJB	III	02 10 10 31.3–.48	39.15N–.04	29.08E–.05	29–5	2.5		
CSEM	III	02 10 10 31.2–.13	39.15N	29.09E	26–2	2.7		
DDA	III	02 10 10 32.1	39.08N	29.08E	7	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.9km s-min=5.4km az=137.4.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=140.0.							
DDA	Event type ke.							
ISC	**III**	**02 11 21 54.0–.89**	**37.83N–.02**	**29.10E–.03**	**10–7**		**40**	**0-2**
ISCJB	III	02 11 21 53.9–.53	37.82N–.03	29.09E–.05	7–5			¶13435369
ISK	III	02 11 21 53.5	37.82N	29.11E	8	2.7		
DDA	III	02 11 21 53.9	37.84N	29.08E	7	3.1		
CSEM	III	02 11 21 53.8–.13	37.83N	29.10E	8	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=13.7.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=102.0.							
ISC	**III**	**02 11 39 25.0–.93**	**37.79N–.02**	**29.09E–.04**	**10–6**		**34**	**0-2**
ISCJB	III	02 11 39 24.7–.51	37.80N–.03	29.09E–.07	10–5			¶13435373
ISK	III	02 11 39 24.2	37.81N	29.11E	7	2.6		
DDA	III	02 11 39 24.6	37.83N	29.10E	7	3.0L		
CSEM	III	02 11 39 24.6–.12	37.79N	29.10E	8	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.9km s-min=5.0km az=7.6.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=95.0.							
ISC	**III**	**02 11 43 15.5–.86**	**37.81N–.03**	**29.08E–.03**	**12–6**		**44**	**0-2**
ISCJB	III	02 11 43 15.6–.47	37.81N–.03	29.11E–.05	10–4			¶13435374
ISK	III	02 11 43 15.1	37.81N	29.13E	5	2.7		
DDA	III	02 11 43 15.5	37.83N	29.09E	7	2.9L		
CSEM	III	02 11 43 15.4–.16	37.81N	29.11E	8	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=26.6.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=114.0.							
DDA	**III**	**02 12 56 18.5**	**37.84N**	**29.07E**	**7**	**2.6**		
CSEM	III	02 12 56 18.5	37.84N	29.07E	7	2.6		¶15134021
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.							
ISC	**III**	**02 13 00 55.1–.92**	**37.84N–.03**	**29.11E–.04**	**9–8**		**36**	**0-2**
ISCJB	III	02 13 00 55.3–.52	37.83N–.03	29.11E–.05	7–6			¶13435381
CSEM	III	02 13 00 55.2–.12	37.83N	29.13E	2	2.6		
DDA	III	02 13 00 55.2	37.84N	29.09E	7	2.5		
ISK	III	02 13 00 55.4	37.82N	29.08E	8	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=169.5.							
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=93.0.							
DDA	Event type ke.							
ISC	**III**	**02 13 27 10.9–1.8**	**37.78N–.08**	**28.95E–.07**	**17–13**		**14**	**0-2**
ISCJB	III	02 13 27 11.9–.94	37.84N–.04	28.97E–.10	0–19			¶13435383
ISK	III	02 13 27 11.9	37.86N	28.98E	5	2.6		
DDA	III	02 13 27 11.3	37.83N	29.07E	7	2.4		
CSEM	III	02 13 27 12.1–.30	37.84N	28.95E	0–3	2.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=13.1km s-min=5.9km az=168.8.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.1km s-min=4.9km az=69.0.							
ISK	**III**	**02 13 36 42.8**	**39.81N**	**42.63E**	**18**	**2.9**		
DDA	III	02 13 36 42.0	39.86N	42.76E	14	3.0		¶13435384
CSEM	III	02 13 36 43.1–.27	39.76N	42.56E	20	2.9		
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=8.1km s-min=6.8km az=37.0.							
ISC	**III**	**02 15 06 02.8–.91**	**37.85N–.02**	**29.08E–.02**	**7–8**		**59**	**0-2**
ISCJB	III	02 15 06 03.0–.43	37.84N–.02	29.07E–.04	7–5			¶13435387
ISK	III	02 15 06 02.7	37.84N	29.07E	6	2.7		
DDA	III	02 15 06 02.5	37.83N	29.09E	7	2.8		
CSEM	III	02 15 06 02.8–.11	37.82N	29.10E	5	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=9.7.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=119.0.							
ISC	**III**	**02 15 07 15.0–.89**	**37.81N–.03**	**29.06E–.04**	**12–6**		**30**	**0-2**
ISCJB	III	02 15 07 14.9–.53	37.83N–.03	29.09E–.06	6–7			¶13435388
ISK	III	02 15 07 14.6	37.81N	29.06E	8	2.7		
DDA	III	02 15 07 14.8	37.83N	29.09E	5	2.9		
CSEM	III	02 15 07 14.7–.18	37.80N	29.09E	8	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.0km s-min=5.3km az=174.7.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=95.0.							
ISC	**III**	**02 15 18 27.9–.82**	**39.16N–.02**	**29.45E–.02**	**13–5**		**56**	**0-2**
ISK	III	02 15 18 27.6	39.17N	29.46E	12	2.6		¶13435390
CSEM	III	02 15 18 27.9–.10	39.16N	29.46E	10	2.6		
ISCJB	III	02 15 18 28.0–.43	39.17N–.03	29.44E–.03	9–3	2.6		
DDA	III	02 15 18 28.2	39.15N	29.42E	12	2.6		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=137.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=43.4.							
DDA	Event type ke.							
ISC	**III**	**02 15 48 53.5–.95**	**37.83N–.02**	**29.12E–.02**	**6–9**		**67**	**0-2**
ISCJB	III	02 15 48 53.4–.47	37.82N–.02	29.11E–.04	4–5			¶13435391
ISK	III	02 15 48 53.1	37.81N	29.13E	6	3.1		
DDA	III	02 15 48 53.0	37.83N	29.07E	3	3.0		
CSEM	III	02 15 48 53.2–.13	37.82N	29.13E	2	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=177.8.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=101.0.							
ISC	**III**	**02 16 08 18.1–.90**	**37.82N–.03**	**29.11E–.04**	**11–7**		**32**	**0-2**
ISK	III	02 16 08 17.8	37.81N	29.14E	11	2.7		¶13435392
ISCJB	III	02 16 08 18.1–.56	37.81N–.04	29.13E–.06	10–5	2.7		
DDA	III	02 16 08 18.2	37.83N	29.10E	7	2.8		
CSEM	III	02 16 08 18.0–.13	37.82N	29.12E	10	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.4km s-min=4.9km az=32.6.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=109.0.							
ISC	**III**	**02 16 12 08.1–.89**	**37.82N–.02**	**29.09E–.03**	**10–6**		**36**	**0-1**
ISCJB	III	02 16 12 07.8–.47	37.83N–.03	29.09E–.05	10–5			¶13435393
ISK	III	02 16 12 07.5	37.83N	29.13E	8	2.6		
DDA	III	02 16 12 07.7	37.84N	29.09E	7	2.6		
CSEM	III	02 16 12 07.8–.14	37.83N	29.10E	8	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=4.2km az=23.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=105.0.							
ISC	**III**	**02 16 14 30.0–1.2**	**37.88N–.05**	**29.18E–.06**	**1–25**		**14**	**0-1**
ISK	III	02 16 14 24.5	37.72N	29.62E	8	2.6		¶13435394
ISCJB	III	02 16 14 28.9–.76	37.91N–.07	29.2E–.10	3–16	2.6		
CSEM	III	02 16 14 28.6–.53	37.94N	29.28E	12	2.6		
DDA	III	02 16 14 31.0	37.83N	29.09E	8	2.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=19.4km s-min=6.0km az=32.5.							
CSEM	Event type ke. Error ellipse: s-maj=20.9km s-min=11.4km az=115.0.							
DDA	Event type ke.							
ISC	**III**	**02 20 00 23.9–.94**	**39.16N–.02**	**28.92E–.02**	**8–9**		**92**	**0-3**
ISK	III	02 20 00 23.6	39.15N	28.94E	5	3.0		¶13435403
DDA	III	02 20 00 23.5	39.13N	28.91E	7	2.9		
CSEM	III	02 20 00 24.0–.09	39.15N	28.92E	2	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=123.0.							
ISC	**III**	**02 22 12 59.5–1.0**	**39.97N–.03**	**40.00E–.02**	**12–10**		**56**	**0-2**
ISK	III	02 22 12 59.1	39.97N	40.08E	15	2.9		¶13435409
CSEM	III	02 22 12 59.6–.24	39.91N	39.98E	8	2.9		
ISCJB	III	02 22 13 00.1–.52	39.94N–.03	39.96E–.03	6–4	2.9		
DDA	III	02 22 13 00.5	40.12N	39.96E	7	3.0		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.2km s-min=4.5km az=156.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=149.1.							
DDA	Event type ke.							
ISC	**III**	**02 22 31 52.8–.95**	**38.56N–.03**	**40.64E–.04**	**8**		**17**	**0-2**
ISCJB	III	02 22 31 52.7–.63	38.54N–.03	40.65E–.06	8			¶13435410
ISK	III	02 22 31 52.7	38.59N	40.59E	10	2.6		
CSEM	III	02 22 31 52.7	38.59N	40.59E	10	2.6		
DDA	III	02 22 31 53.6	38.54N	40.71E	7	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=169.5.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.							
DDA	Event type ke.							
ISC	**III**	**02 22 46 11.8–1.2**	**37.25N–.02**	**28.70E–.02**	**1–11**		**104**	**0-3**
ATH	III	02 22 46 09.5	37.30N	28.83E	13–4	3.6		¶13435413
ISK	III	02 22 46 10.9	37.25N	28.68E	3	3.2		
ISCJB	III	02 22 46 11.2–.52	37.22N–.02	28.71E–.02	1–4	3.2		
DDA	III	02 22 46 11.5	37.23N	28.70E	7	3.1		
CSEM	III	02 22 46 11.6–.11	37.24N	28.70E	2	3.2		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=2.4km s-min=13.3km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=161.7.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=169.0.							
ISC	**III**	**02 23 58 49.2–3.2**	**37.7N–.20**	**29.3E–.20**	**12**		**7**	**0-1**
DDA	III	02 23 58 50.6	37.83N	29.11E	7	2.8		¶15133956
ISC	Event type ke.							
DDA	Event type ke.							
ISC	**III**	**03 00 04 34.6–1.0**	**37.92N–.04**	**28.97E–.05**	**12–12**		**20**	**0-1**
ISCJB	III	03 00 04 34.5–.70	37.91N–.04	28.96E–.09	13–7			¶13435420
ISK	III	03 00 04 34.3	37.92N	29.00E	9	2.5		
CSEM	III	03 00 04 34.4–.21	37.91N	28.97E	12	2.5		
DDA	III	03 00 04 37.5	37.81N	29.07E	7	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.9km s-min=6.4km az=170.2.							
CSEM	Event type ke. Error ellipse: s-maj=7.1km s-min=4.7km az=100.0.							
DDA	Event type ke.							
ISC	**III**	**03 00 52 21.0–1.1**	**38.61N–.04**	**31.24E–.02**	**7–12**		**28**	**0-1**
DDA	III	03 00 52 20.2	38.61N	31.28E	7	2.8		¶13435421
ISK	III	03 00 52 21.8	38.72N	31.12E	6	2.3		
CSEM	III	03 00 52 21.0–.35	38.64N	31.24E	2	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke.							
ISC	**III**	**03 02 04 17.3–.88**	**38.94N–.03**	**41.25E–.03**	**15–6**		**36**	**0-2**
ISK	III	03 02 04 16.5	38.91N	41.30E	14	2.8		¶13435430
ISCJB	III	03 02 04 17.7–.51	38.98N–.03	41.28E–.05	13–4	2.8		
DDA	III	03 02 04 17.2	38.93N	41.34E	7	2.8		
CSEM	III	03 02 04 17.0–.33	38.95N	41.21E	8	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.0km s-min=4.9km az=34.7.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.8km s-min=6.4km az=129.0.							
ISC	**III**	**03 03 15 58.5–1.1**	**39.00N–.02**	**40.51E–.02**	**2–11**		**91**	**0-5**
ISK	III	03 03 15 58.7	39.01N	40.51E	2	3.6		¶13435432
DDA	III	03 03 15 58.9	39.00N	40.52E	26	3.6L,3.4		
ISCJB	III	03 03 15 59.3–.68	39.01N–.02	40.51E–.03	3–6	3.6L,3.4		
CSEM	III	03 03 15 59.8–.16	39.03N	40.50E	2	3.6,3.4		

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=5.4.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=155.0.
ISC III 03 04 42 16.5–.93 37.83N–.02 29.13E–.03 9–7 42 0-2
ISCJB III 03 04 42 16.8–.51 37.84N–.02 29.09E–.05 3–6 ¶13435434
ISK III 03 04 42 16.3 37.82N 29.13E 6 2.8
CSEM III 03 04 42 16.5–.14 37.82N 29.12E 5 2.8
DDA III 03 04 42 16.4 37.83N 29.11E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.1km az=0.3.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=112.0.
DDA Event type ke.
ISC III 03 05 16 10.2–1.1 37.63N–.04 29.34E–.04 12 20 0-2
ISK III 03 05 16 09.4 37.63N 29.34E 4 2.6 ¶13435438
ISCJB III 03 05 16 10.0–.86 37.61N–.06 29.33E–.07 12 2.6
CSEM III 03 05 16 10.3–.26 37.63N 29.33E 8 2.6
DDA III 03 05 16 15.0 37.70N 29.13E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.3km az=142.4.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.0km az=119.0.
DDA Event type ke.
ISC III 03 07 13 54.5–1.1 37.2N–.10 28.2E–.10 11–17 14 0-1
DDA III 03 07 13 51.8 36.86N 27.88E 6 2.5 ¶13435442
ISK III 03 07 13 53.4 37.25N 28.22E 13 2.0
CSEM III 03 07 13 54.5–.67 37.06N 28.26E 12 2.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.1km s-min=8.9km az=127.0.
ISC III 03 07 21 56.1–1.1 38.65N–.04 39.19E–.04 16–9 26 0-1
ISK III 03 07 21 55.4 38.64N 39.15E 5 2.5 ¶13435444
CSEM III 03 07 21 55.5–.22 38.67N 39.21E 15 2.9
ISCJB III 03 07 21 56.6–1.0 38.64N–.05 39.20E–.06 20–18 2.9
DDA III 03 07 21 57.2 38.66N 39.08E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.8km az=136.9.
DDA Event type ke.
ISC III 03 07 55 28.6–.83 37.53N–.03 35.72E–.03 16–4 28 0-1
ISCJB III 03 07 55 28.8–.59 37.50N–.05 35.76E–.06 15–6 ¶13435445
ISK III 03 07 55 28.0 37.54N 35.78E 18 2.5
CSEM III 03 07 55 28.9–.32 37.49N 35.71E 20 2.5
DDA III 03 07 55 29.4 37.57N 35.59E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.8km az=137.2.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=7.2km az=176.0.
DDA Event type ke.
ISC III 03 08 15 58.7–1.2 37.18N–.03 28.62E–.04 6–15 24 0-1
DDA III 03 08 15 57.5 37.12N 28.60E 7 2.7 ¶13435446
ISCJB III 03 08 15 58.8–.63 37.14N–.09 28.57E–.06 15–13 2.7
ISK III 03 08 15 58.5 37.14N 28.57E 12 2.3
CSEM III 03 08 15 58.8–.23 37.18N 28.58E 10 2.3
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=5.4km az=25.3.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.8km az=7.0.
ISC III 03 09 54 08.2–.89 37.58N–.03 35.72E–.03 12–6 33 0-1
DDA III 03 09 54 06.4 37.57N 35.76E 7 2.9 ¶13435454
ISK III 03 09 54 07.7 37.58N 35.78E 14 2.5
ISCJB III 03 09 54 08.2–.59 37.56N–.04 35.75E–.04 13–5 2.5
CSEM III 03 09 54 08.7–.23 37.57N 35.64E 8 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.8km az=157.5.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=24.0.
ISC III 03 10 47 58.4–.76 39.71N–.01 27.75E–.01 15–4 257 0-8
SOF III 03 10 47 32.3 38.14N 28.61E 2 3.2 ¶13435458
ATH III 03 10 47 53.9 39.72N 27.90E 5 3.5
ISCJB III 03 10 47 58.0–.31 39.74N–.01 27.74E–.02 12–2 3.5
DDA III 03 10 47 57.3 39.71N 27.76E 26 3.7L
ISK III 03 10 47 57.7 39.72N 27.74E 13 3.6L
CSEM III 03 10 47 58.2–.06 39.72N 27.74E 10 3.7L
THE III 03 10 47 58.4 39.74N 27.70E 0–2 4.0L
ISC Event type ke.
ATH Error ellipse: s-maj=2.5km s-min=5.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=44.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=44.0.
THE Event type ke. Error ellipse: s-maj=5.2km s-min=1.4km az=100.0.
ISC III 03 11 19 40.1–.98 39.45N–.02 28.15E–.02 15–8 69 0-2
DDA III 03 11 19 39.9 39.45N 28.17E 7 3.0 ¶13435460
ISK III 03 11 19 39.9 39.45N 28.16E 11 2.7
ISCJB III 03 11 19 40.2–.40 39.46N–.02 28.17E–.03 5–4 2.7
CSEM III 03 11 19 40.2–.10 39.45N 28.15E 8 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=138.7.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=49.0.
ISC III 03 11 45 28.7–1.1 38.29N–.08 39.20E–.03 10–10 22 0-2
ISK III 03 11 45 28.8 38.38N 39.21E 11 2.2 ¶13435462
CSEM III 03 11 45 28.5–.30 38.32N 39.24E 13–1 2.2
ISCJB III 03 11 45 29.6–.78 38.33N–.08 39.18E–.04 7–6 2.2
DDA III 03 11 45 29.3 38.32N 39.21E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=3.0km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=4.9km az=0.8.
DDA Event type ke.
ISC III 03 13 10 31.1–1.1 39.47N–.03 28.17E–.02 10–9 59 0-3
ISCJB III 03 13 10 30.2–.58 39.48N–.03 28.18E–.04 0–6 ¶13435465
ISK III 03 13 10 30.0 39.47N 28.19E 6 2.9
DDA III 03 13 10 30.7 39.45N 28.15E 6 2.8
CSEM III 03 13 10 30.5–.11 39.47N 28.18E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=25.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=34.0.
ISC III 03 13 19 47.6–.94 37.82N–.03 29.08E–.03 13–7 29 0-1
ISK III 03 13 19 46.0 37.77N 29.06E 23 2.7 ¶13435467
DDA III 03 13 19 47.7 37.84N 29.10E 8 2.6
CSEM III 03 13 19 47.6–.21 37.81N 29.09E 10 2.6
ISCJB III 03 13 19 48.2–.54 37.83N–.03 29.06E–.05 8–5 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC III 03 13 57 19.2–1.3 39.10N–.03 27.48E–.04 1–16 52 0-3
ISK III 03 13 57 18.6 39.09N 27.51E 5 2.8 ¶13435470
CSEM III 03 13 57 18.7–.22 39.08N 27.46E 2 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.8km az=40.0.
ISC III 03 13 58 05.7–.92 37.82N–.03 29.12E–.04 12–6 28 0-1
ISK III 03 13 58 05.5 37.82N 29.08E 13 2.7 ¶13435471
DDA III 03 13 58 06.0 37.83N 29.10E 7 2.8
CSEM III 03 13 58 05.8–.17 37.81N 29.14E 8 2.7
ISCJB III 03 13 58 06.1–.55 37.83N–.03 29.09E–.05 8–6 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC III 03 14 02 09.5–.96 39.48N–.03 28.16E–.03 13–7 52 0-2
ISCJB III 03 14 02 09.3–.53 39.47N–.04 28.18E–.04 7–5 ¶13435472
CSEM III 03 14 02 09.6–.18 39.50N 28.19E 8 2.8
DDA III 03 14 02 09.1 39.47N 28.15E 7 2.8
ISK III 03 14 02 09.4 39.51N 28.22E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.7km az=32.4.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.8km az=33.0.
DDA Event type ke.
ISK III 03 15 25 28.3 39.97N 28.11E 10 2.4
CSEM III 03 15 25 28.8–.10 39.98N 28.10E 12 2.4 ¶13435477
DDA III 03 15 25 28.4 40.00N 28.09E 6 2.4
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=30.0.
DDA Event type ke.
ISC III 03 16 15 55.1–.85 37.99N–.03 37.86E–.03 9 40 0-3
ISCJB III 03 16 15 55.7–.43 37.99N–.03 37.88E–.04 9 ¶13435480
ISK III 03 16 15 55.0 38.12N 37.81E 4 2.9
DDA III 03 16 15 55.2 37.92N 37.94E 7 3.3
CSEM III 03 16 15 55.3–.23 38.06N 37.83E 2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=35.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.5km az=145.0.
ISC III 03 18 26 55.1–1.9 37.83N–.05 29.3E–.10 6–21 18 0-1
ISCJB III 03 18 26 54.7–1.8 37.79N–.08 29.3E–.10 14–10 ¶13435487
ISK III 03 18 26 54.9 37.83N 29.26E 3 2.5
CSEM III 03 18 26 55.5–.58 37.81N 29.24E 5 2.5
DDA III 03 18 26 56.5 37.83N 29.08E 7 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=10.9km az=39.4.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=8.0km az=114.0.
DDA Event type ke.
ISC III 03 21 49 59.1–2.0 39.61N–.03 37.98E–.09 5–13 27 0-2
ISK III 03 21 49 56.6 39.63N 37.88E 5 2.6 ¶13435494
ISCJB III 03 21 49 58.8–1.4 39.64N–.04 37.92E–.09 5–9 2.6
DDA III 03 21 49 59.5 39.60N 37.98E 7 2.9
CSEM III 03 21 49 59.6–.38 39.62N 37.99E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.7km az=11.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=5.5km az=92.0.
ISC III 03 22 55 45.5–1.5 37.63N–.07 28.8E–.10 21–2 14 0-1
ISK III 03 22 55 44.8 37.62N 28.73E 22 2.6 ¶13435496
CSEM III 03 22 55 45.7–.52 37.62N 28.81E 23–4 2.6
DDA III 03 22 55 50.1 37.76N 28.96E 7 2.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=24.4km s-min=8.7km az=82.0.
DDA Event type ke.
ISC III 04 05 30 56.5–1.4 39.18N–.04 26.01E–.06 18–7 18 0-2
ISCJB III 04 05 30 56.0–1.5 39.18N–.04 25.92E–.09 10–7 ¶15134154
CSEM III 04 05 30 55.7–1.2 39.17N 25.90E 10 2.6
DDA III 04 05 30 56.4 39.21N 26.15E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.9km az=13.0.
CSEM Event type ke. Error ellipse: s-maj=32.0km s-min=7.7km az=116.0.
DDA Event type ke.
ISC III 04 05 57 35.6–1.1 37.82N–.03 29.10E–.05 17–7 25 0-2
ISK III 04 05 57 34.7 37.81N 29.15E 21 2.7 ¶13435506
CSEM III 04 05 57 35.5–.22 37.82N 29.10E 15 2.3
ISCJB III 04 05 57 36.2–.57 37.86N–.03 29.07E–.07 6–6 2.3
DDA III 04 05 57 36.6 37.84N 29.11E 7 2.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.5km az=97.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.2km az=1.6.
DDA Event type ke.
ISC III 04 08 05 30.1–.84 41.05N–.02 33.82E–.02 9–6 47 0-2
ISK III 04 08 05 29.6 41.05N 33.81E 5 2.6 ¶13435509
DDA III 04 08 05 29.9 41.08N 33.86E 3 2.9
ISCJB III 04 08 05 30.5–.49 41.05N–.03 33.85E–.04 1–8 2.9
CSEM III 04 08 05 30.6–.12 41.06N 33.85E 2 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=37.8.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=94.0.
ISC III 04 08 33 04.1–.90 37.82N–.02 29.09E–.03 9–7 38 0-2
ISK III 04 08 33 03.3 37.78N 29.12E 12 2.8 ¶13435513
ISCJB III 04 08 33 04.1–.48 37.83N–.03 29.10E–.05 9–5 2.8
DDA III 04 08 33 04.2 37.83N 29.08E 5 2.6
CSEM III 04 08 33 04.0–.16 37.81N 29.10E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=13.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=104.0.
ISC III 04 10 52 20.0–1.2 37.38N–.08 36.14E–.03 13–9 19 0-2
ISK III 04 10 52 18.3 37.59N 36.15E 19 2.1 ¶13435518
ISCJB III 04 10 52 19.5–1.1 37.33N–.08 36.14E–.05 8–7 2.1
CSEM III 04 10 52 19.3–.43 37.77N 35.95E 2 2.8
DDA III 04 10 52 24.4 37.47N 36.38E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=6.7km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=4.9km az=140.0.
DDA Event type ke.
ISC III 04 11 35 02.5–1.1 39.44N–.03 28.11E–.03 12–8 52 0-3
ISCJB III 04 11 35 02.5–.57 39.47N–.03 28.12E–.05 8–5 ¶13435521
ISK III 04 11 35 02.3 39.46N 28.13E 12 3.1
DDA III 04 11 35 02.3 39.46N 28.13E 7 3.0
CSEM III 04 11 35 02.5–.16 39.45N 28.12E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.1km az=138.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.4km az=51.0.
ISC III 04 12 04 36.3–.85 40.74N–.02 29.01E–.02 13–6 90 0-2
ISCJB III 04 12 04 36.7–.33 40.75N–.02 29.00E–.03 5–4 ¶13435522
DDA III 04 12 04 36.4 40.73N 29.02E 11 2.9
ISK III 04 12 04 36.4 40.75N 29.00E 6 2.6
CSEM III 04 12 04 36.9–.07 40.74N 29.01E 6–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=142.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=44.0.
ISC III 04 16 27 10.2–1.4 39.42N–.04 28.15E–.03 9–11 28 0-1
ISCJB III 04 16 27 10.7–.66 39.42N–.04 28.13E–.05 2–11 ¶13435527
CSEM III 04 16 27 10.7–.27 39.44N 28.14E 12–4 2.5
DDA III 04 16 27 10.6 39.43N 28.13E 7 2.7
ISK III 04 16 27 10.4 39.43N 28.14E 17 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.8km az=44.1.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=4.7km az=46.0.
DDA Event type ke.
ISC III 04 17 10 05.8–1.0 37.06N–.02 29.32E–.02 10–8 54 0-2
ISK III 04 17 10 04.7 37.07N 29.32E 8 2.7 ¶13435530
ISCJB III 04 17 10 05.4–.50 37.05N–.03 29.32E–.03 3–6 2.7
DDA III 04 17 10 05.4 37.05N 29.30E 7 2.8
CSEM III 04 17 10 05.3–.15 37.06N 29.35E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.4km az=135.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=33.0.
ISC III 04 21 07 27.9–.85 37.52N–.03 35.73E–.02 16–5 37 0-2
DDA III 04 21 07 26.6 37.58N 35.74E 8 2.8 ¶13435533
ISK III 04 21 07 27.8 37.56N 35.78E 15 2.7
ISCJB III 04 21 07 28.2–.59 37.55N–.04 35.70E–.04 12–5 2.7
CSEM III 04 21 07 28.5–.30 37.53N 35.66E 12 2.7

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=5.9km az=2.0.
DDA III 04 21 11 23.1 39.12N 29.02E 7 2.7
CSEM III 04 21 11 23.1 39.12N 29.02E 7 2.7 ¶15134108
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC III 04 22 09 30.7–.96 40.74N–.02 29.03E–.02 6–8 88 0-2
ISCJB III 04 22 09 30.3–.36 40.74N–.02 29.03E–.03 1–5 ¶13435536
ISK III 04 22 09 30.2 40.74N 29.03E 5 2.9
DDA III 04 22 09 30.4 40.73N 29.01E 7 3.0
CSEM III 04 22 09 30.6–.08 40.74N 29.04E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=165.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=50.0.
ISC III 04 22 23 43.5–.98 37.92N–.02 27.46E–.02 9–9 61 0-2
ISK III 04 22 23 43.1 37.93N 27.45E 8 2.8 ¶13435537
DDA III 04 22 23 43.1 37.94N 27.46E 8 3.1
CSEM III 04 22 23 43.5–.11 37.92N 27.48E 5 2.8
ATH III 04 22 23 44.8 37.95N 27.41E 13–8 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=77.0.
ATH Error ellipse: s-maj=4.1km s-min=4.2km az=-1.0.
ISC III 04 22 55 28.0–1.2 37.05N–.02 34.40E–.03 3–12 60 0-3
ISK III 04 22 55 27.4 37.02N 34.37E 9 3.4 ¶13435538
DDA III 04 22 55 28.2 37.03N 34.48E 7 3.3
CSEM III 04 22 55 28.2–.16 37.03N 34.39E 8 3.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=80.0.
ISC III 04 22 58 15.1–.84 39.69N–.02 26.48E–.02 15–6 85 0-3
ISCJB III 04 22 58 14.9–.42 39.68N–.02 26.45E–.03 11–3 ¶13435540
ISK III 04 22 58 14.8 39.70N 26.50E 6 2.9
ATH III 04 22 58 14.3 39.68N 26.45E 28–1 3.1
DDA III 04 22 58 15 39.68N 26.54E 7 2.9
CSEM III 04 22 58 15.0–.15 39.69N 26.43E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=162.4.
ATH Error ellipse: s-maj=0.8km s-min=1.9km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=80.0.
ISC III 04 23 23 08.1–1.1 38.18N–.03 27.05E–.04 5–12 30 0-2
ISCJB III 04 23 23 07.8–.62 38.17N–.03 27.07E–.05 0–10 ¶13435541
DDA III 04 23 23 07.5 38.17N 27.05E 7 2.9
ISK III 04 23 23 08.1 38.22N 27.05E 6 2.5
CSEM III 04 23 23 08.2–.16 38.18N 27.06E 2 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=166.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=92.0.
ISC III 04 23 47 10.7–.89 38.38N–.04 39.06E–.03 12–7 28 0-2
ISCJB III 04 23 47 10.8–.59 38.37N–.04 39.04E–.04 8–5 ¶13435542
ISK III 04 23 47 10.0 38.38N 39.06E 10 2.4
CSEM III 04 23 47 10.6–.14 38.40N 39.05E 8 2.4
DDA III 04 23 47 10.9 38.38N 39.05E 11 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.6km az=11.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.4km az=9.0.
DDA Event type ke.
ISC III 05 01 00 52.5–1.2 40.91N–.06 42.66E–.03 11–12 29 0-2
ISK III 05 01 00 51.8 40.86N 42.64E 6 2.6 ¶13435543
ISCJB III 05 01 00 52.1–.82 40.94N–.06 42.70E–.06 4–7 2.6
CSEM III 05 01 00 52.4–.30 40.92N 42.69E 8 2.6
DDA III 05 01 00 53.7 40.91N 42.58E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=4.6km az=31.1.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=3.9km az=32.0.
DDA Event type ke.
ISC III 05 01 24 23.8–1.4 39.52N–.03 35.42E–.06 3–10 28 0-2
ISK III 05 01 24 22.8 39.55N 35.46E 7 2.6 ¶13435544
CSEM III 05 01 24 22.3–.79 39.64N 35.61E 2 2.6
DDA III 05 01 24 27.8 39.56N 35.24E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.9km s-min=7.8km az=52.0.
DDA Event type ke.
ISC III 05 04 07 18.0–1.3 39.38N–.06 33.26E–.03 3–14 24 0-2
DDA III 05 04 07 17.3 39.35N 33.26E 7 2.7 ¶13435546
ISCJB III 05 04 07 18.3–1.1 39.40N–.08 33.2E–.20 7–23 2.7
ISK III 05 04 07 18.1 39.43N 33.20E 8 2.2
CSEM III 05 04 07 18.0–.24 39.41N 33.25E 5 2.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.3km s-min=11.4km az=25.4.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=4.5km az=17.0.
DDA III 05 08 46 29.4 39.67N 29.43E 7 2.6
¶15134170
DDA Event type ke.
ISC III 05 10 14 38.9–.99 37.87N–.02 29.18E–.03 9–11 40 0-2
ISCJB III 05 10 14 38.6–.52 37.86N–.03 29.20E–.05 3–7 ¶13435553
DDA III 05 10 14 38.5 37.88N 29.17E 11 2.9L
ISK III 05 10 14 38.5 37.87N 29.18E 6 3.0
CSEM III 05 10 14 38.7–.06 37.86N 29.19E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=21.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=115.0.
ISC III 05 10 28 13.4–.97 37.88N–.03 29.16E–.04 8–11 32 0-1
ISK III 05 10 28 12.8 37.88N 29.14E 4 2.8 ¶13435554
DDA III 05 10 28 12.9 37.87N 29.15E 7 2.7L,2.6
ISCJB III 05 10 28 13.1–.63 37.87N–.03 29.16E–.07 3–9 2.7L,2.6
CSEM III 05 10 28 13.0–.12 37.87N 29.18E 2 2.8,2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.8km az=14.5.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=113.0.
ISC III 05 12 40 57.0–1.9 37.71N–.08 29.40E–.08 12 18 0-1
ISCJB III 05 12 40 56.6–1.7 37.69N–.08 29.45E–.09 12 ¶13435558
ISK III 05 12 40 56.6 37.72N 29.43E 18 2.7
CSEM III 05 12 40 56.7–.42 37.69N 29.44E 15 2.7
DDA III 05 12 40 59.6 37.87N 29.17E 7 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=6.3km az=139.8.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=4.0km az=127.0.
DDA Event type ke.
ISC III 05 14 00 06.7–1.1 41.07N–.02 34.57E–.03 5–12 37 0-2
ISK III 05 14 00 05.9 41.07N 34.55E 5 2.8 ¶13435559
DDA III 05 14 00 06.6 41.04N 34.55E 7 2.8
CSEM III 05 14 00 06.6–.22 41.05N 34.58E 5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=81.0.
ISC III 05 14 50 21.1–1.1 39.46N–.02 28.15E–.03 8–9 36 0-2
DDA III 05 14 50 20.9 39.46N 28.16E 7 2.8 ¶13435562
ISCJB III 05 14 50 21.2–.56 39.47N–.03 28.15E–.04 4–9 2.8
ISK III 05 14 50 21.2 39.50N 28.16E 12 2.5
CSEM III 05 14 50 21.1–.18 39.47N 28.17E 8 2.5
ISC Event type ke.
DDA Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=154.4.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=62.0.
ISC III 05 17 29 01.7–.94 39.07N–.03 29.04E–.03 12–9 38 0-2
ISCJB III 05 17 29 01.6–.60 39.09N–.04 29.03E–.04 3–7 ¶13435566
DDA III 05 17 29 01.1 39.11N 29.06E 7 2.7
ISK III 05 17 29 01.2 39.11N 28.98E 5 2.6
CSEM III 05 17 29 01.9–.15 39.11N 29.01E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.1km az=146.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=140.0.
ISC III 05 18 34 53.4–.94 38.25N–.02 28.74E–.02 11–8 50 0-2
ISCJB III 05 18 34 53.3–.47 38.25N–.03 28.75E–.04 9–5 ¶13435568
DDA III 05 18 34 53.1 38.24N 28.70E 10 2.7
ISK III 05 18 34 53.0 38.26N 28.78E 8 2.6
CSEM III 05 18 34 53.4–.15 38.25N 28.74E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=156.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=59.0.
ISC III 06 04 38 35.6–1.7 39.03N–.05 42.01E–.05 4–14 21 0-2
CSEM III 06 04 38 32.4–.62 38.72N 42.02E 15 3.1 ¶13435578
DDA III 06 04 38 33.9 39.08N 40.26E 9 3.1
ISCJB III 06 04 38 34.3–1.4 38.83N–.09 42.03E–.05 9–8 3.1
ISK III 06 04 38 35.2 38.91N 42.02E 17 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.9km s-min=5.9km az=165.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=6.2km az=165.0.
ISC III 06 08 11 55.6–.90 40.62N–.04 37.02E–.02 11–8 44 0-2
ISK III 06 08 11 54.8 40.64N 37.04E 8 3.0 ¶13435583
ISCJB III 06 08 11 55.3–.70 40.63N–.04 37.01E–.04 1–7 3.0
CSEM III 06 08 11 55.4–.15 40.63N 37.01E 5 2.9
DDA III 06 08 11 55.1 40.61N 37.00E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.1km az=23.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.7km az=16.0.
DDA Event type ke.
ISC III 06 08 56 43.2–1.0 38.35N–.03 38.84E–.03 12–9 26 0-2
ISCJB III 06 08 56 42.7–.74 38.35N–.05 38.81E–.04 2–8 ¶13435585
DDA III 06 08 56 42.6 38.34N 38.77E 27 2.7
ISK III 06 08 56 42.7 38.33N 38.85E 6 2.7
CSEM III 06 08 56 43.0–.20 38.34N 38.83E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.9km az=16.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=6.0.
ISC III 06 09 57 56.0–1.1 40.62N–.03 37.04E–.02 4–11 64 0-3
ISK III 06 09 57 54.9 40.66N 37.05E 5 3.2 ¶13435587
DDA III 06 09 57 55.4 40.60N 37.02E 6 3.2
CSEM III 06 09 57 56.2–.15 40.63N 37.03E 2 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=17.0.
ISC III 06 12 09 25.3–1.2 37.50N–.06 36.36E–.04 9–12 22 0-2
ISK III 06 12 09 24.6 37.49N 36.37E 5 2.4 ¶13435594
DDA III 06 12 09 24.6 37.51N 36.38E 7 2.8
ISCJB III 06 12 09 25.9–1.0 37.48N–.08 36.37E–.06 3–15 2.8
CSEM III 06 12 09 25.5–.32 37.48N 36.33E 5 2.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=5.8km az=22.0.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=6.3km az=15.0.
ISC III 06 12 26 42.9–1.3 37.23N–.03 36.92E–.05 3–11 20 0-2
ISK III 06 12 26 41.2 37.24N 36.94E 5 2.2 ¶13435595
ISCJB III 06 12 26 42.5–1.1 37.21N–.04 36.89E–.07 1–11 2.2
DDA III 06 12 26 42.4 37.23N 36.89E 6 2.8
CSEM III 06 12 26 42.7–.41 37.22N 36.91E 5 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.1km az=169.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=4.8km az=79.0.
ISC III 06 13 00 15.9–.91 39.10N–.03 29.19E–.04 12–8 26 0-2
ISK III 06 13 00 14.0 39.08N 29.38E 5 2.5 ¶13435599
ISCJB III 06 13 00 16.1–.65 39.15N–.04 29.16E–.05 6–11 2.5
CSEM III 06 13 00 16.3–.35 39.16N 29.15E 15 2.7
DDA III 06 13 00 17.2 39.09N 29.08E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.8km az=41.2.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=8.1km az=109.0.
DDA Event type ke.
ISC III 06 14 02 24.5–1.1 40.24N–.02 28.40E–.02 12–12 48 0-2
ISK III 06 14 02 23.5 40.19N 28.41E 8 2.7 ¶13435602
ISCJB III 06 14 02 24.1–.47 40.26N–.03 28.37E–.04 6–5 2.7
DDA III 06 14 02 24.4 40.23N 28.38E 7 2.6
CSEM III 06 14 02 24.3–.20 40.25N 28.39E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=140.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=156.0.
ISC III 06 14 19 54.0–1.2 41.01N–.06 39.09E–.03 11–9 33 0-2
ISK III 06 14 19 53.3 40.99N 39.10E 7 2.7 ¶13435603
CSEM III 06 14 19 54.1–.61 41.01N 39.09E 8 2.7
DDA III 06 14 19 54.6 40.97N 39.09E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.8km s-min=5.8km az=173.0.
DDA Event type ke.
ISC III 06 16 16 00.6–.92 37.82N–.03 29.09E–.04 8–7 24 0-1
ISCJB III 06 16 15 60.0–.60 37.83N–.03 29.05E–.06 11–4 ¶13435610
CSEM III 06 16 15 59.9–.19 37.82N 29.05E 10 2.3
ISK III 06 16 16 00.0 37.85N 29.09E 3 2.5
DDA III 06 16 16 00.2 37.82N 29.09E 7 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.3km az=19.2.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=98.0.
DDA Event type ke.
DDA III 06 17 01 12.5 37.83N 29.19E 7 2.4
¶15134188
DDA Event type ke.
ISC III 06 18 12 43.0–1.2 37.20N–.03 30.75E–.05 13–10 25 0-2
DDA III 06 18 12 41.6 37.18N 30.85E 6 2.8 ¶13435616
ISK III 06 18 12 42.9 37.23N 30.40E 28 2.7
CSEM III 06 18 12 43.6–.12 37.25N 30.37E 27–1 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=122.0.
ISC III 06 18 52 40.6–.84 37.81N–.02 29.06E–.03 14–6 53 0-1
ISK III 06 18 52 40.9 37.83N 29.06E 5 2.8 ¶13435617
DDA III 06 18 52 40.6 37.82N 29.10E 7 2.8
ISCJB III 06 18 52 41.2–.42 37.82N–.02 29.06E–.04 7–4 2.8
CSEM III 06 18 52 41.0–.14 37.82N 29.06E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=4.4.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=94.0.
ISC III 07 12 05 49.7–1.1 40.67N–.03 35.44E–.02 13–12 34 0-2
ISK III 07 12 05 48.8 40.66N 35.43E 12 2.5 ¶13435650
ISCJB III 07 12 05 49.4–.66 40.65N–.04 35.45E–.03 4–7 2.5
DDA III 07 12 05 49.3 40.70N 35.45E 7 2.9
CSEM III 07 12 05 49.3–.32 40.65N 35.43E 2 2.9
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.4km az=175.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.1km az=175.0.
ISC III 07 13 29 47.6–1.1 37.88N–.03 27.55E–.03 2–11 43 0-3
DDA III 07 13 29 44.2 37.80N 27.51E 41 2.8 ¶13435652
ISK III 07 13 29 47.1 37.88N 27.53E 4 2.8
CSEM III 07 13 29 47.9–.16 37.87N 27.55E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=69.0.
ISC III 07 14 13 38.0–.94 39.45N–.02 28.16E–.02 11–9 48 0-2
ISCJB III 07 14 13 37.8–.43 39.45N–.02 28.17E–.04 6–6 ¶13435656
ISK III 07 14 13 37.1 39.43N 28.18E 5 2.6
DDA III 07 14 13 37.7 39.46N 28.16E 7 2.8
CSEM III 07 14 13 37.8–.15 39.45N 28.16E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=152.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=57.0.
ISC III 07 14 52 10.2–1.1 40.16N–.03 30.00E–.02 7–8 38 0-1
ISK III 07 14 52 08.9 40.16N 30.00E 15 2.5 ¶13435661
ISCJB III 07 14 52 09.1–.49 40.18N–.05 30.01E–.05 13–6 2.5
CSEM III 07 14 52 09.3–.08 40.16N 30.00E 13–1 2.5
DDA III 07 14 52 09.0 40.22N 30.06E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.0km az=3.5.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=15.0.
DDA Event type ke.
ISC III 07 15 51 35.1–1.2 39.42N–.02 28.13E–.02 2–11 64 0-2
ISCJB III 07 15 51 35.5–.44 39.43N–.03 28.15E–.04 9–5 ¶13435663
ISK III 07 15 51 35.2 39.41N 28.09E 18 2.8
DDA III 07 15 51 35.4 39.44N 28.17E 7 2.8
CSEM III 07 15 51 35.5–.17 39.42N 28.14E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.6km az=33.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.9km az=55.0.
ISC III 07 16 09 55.8–1.0 38.34N–.03 28.16E–.02 10–11 46 0-2
ISCJB III 07 16 09 55.6–.52 38.35N–.03 28.15E–.03 4–6 ¶13435666
ISK III 07 16 09 55.1 38.36N 28.17E 10 2.7
CSEM III 07 16 09 55.8–.17 38.34N 28.16E 10 2.8
DDA III 07 16 09 56.0 38.35N 28.17E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.4km az=153.6.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=10.0.
DDA Event type ke.
ISC III 07 16 22 43.8–1.1 38.64N–.03 31.33E–.02 6–10 78 0-3
ISK III 07 16 22 43.3 38.63N 31.32E 5 3.0 ¶13435667
DDA III 07 16 22 43.6 38.68N 31.32E 7 3.2
CSEM III 07 16 22 43.5–.12 38.63N 31.33E 0–1 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=12.0.
ISC III 07 18 05 47.3–1.1 39.85N–.03 42.13E–.02 11–9 44 0-7
ISCJB III 07 18 05 48.0–.59 39.91N–.03 42.14E–.03 2–6 ¶13435670
ISK III 07 18 05 47.9 39.88N 42.13E 8 2.9
DDA III 07 18 05 47.8 39.91N 42.17E 7 3.1
CSEM III 07 18 05 48.0–.33 39.84N 42.12E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=21.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=7.0km az=10.0.
ISC III 07 19 44 10.8–1.0 37.94N–.02 27.44E–.03 6–12 42 0-2
ISK III 07 19 44 10.6 37.93N 27.40E 5 2.7 ¶13435672
DDA III 07 19 44 10.6 37.92N 27.45E 7 2.8
CSEM III 07 19 44 11.2–.11 37.93N 27.44E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=70.0.
ISC III 07 19 46 14.0–.92 39.83N–.03 39.09E–.03 12–9 34 0-2
ISK III 07 19 46 13.4 39.82N 39.08E 10 2.8 ¶13435673
DDA III 07 19 46 13.4 39.77N 39.18E 7 2.8
ISCJB III 07 19 46 14.3–.49 39.82N–.03 39.12E–.04 5–7 2.8
CSEM III 07 19 46 14.1–.22 39.81N 39.12E 12 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=7.7.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=131.0.
ISC III 07 21 37 07.7–.92 39.11N–.03 29.08E–.02 11–9 60 0-2
ISK III 07 21 37 06.7 39.11N 29.07E 5 2.8 ¶13435675
ISCJB III 07 21 37 07.2–.45 39.12N–.03 29.08E–.03 3–6 2.8
DDA III 07 21 37 07.2 39.12N 29.07E 7 2.8
CSEM III 07 21 37 07.4–.10 39.11N 29.08E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.6km az=149.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=144.0.
ISC III 07 22 26 07.8–.91 40.46N–.02 26.16E–.03 13–7 68 0-3
ISCJB III 07 22 26 06.9–.66 40.47N–.03 26.12E–.04 9–4 ¶13435678
ISK III 07 22 26 06.9 40.46N 26.15E 12 3.0
ATH III 07 22 26 07.6 40.46N 26.13E 21–1 3.0
DDA III 07 22 26 07.9 40.43N 26.20E 7 2.8
CSEM III 07 22 26 07.3–.12 40.45N 26.14E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=168.8.
ATH Error ellipse: s-maj=0.3km s-min=0.8km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=90.0.
ISC III 07 22 43 52.3–1.4 37.06N–.04 30.90E–.03 87–8 54 0-3
DDA III 07 22 43 48.0 37.14N 30.91E 7 3.3L ¶13435680
ISK III 07 22 43 50.6 37.00N 31.00E 89 2.9
ISCJB III 07 22 43 51.4–.74 37.06N–.04 30.90E–.04 94–7 2.9
CSEM III 07 22 43 52.0–.35 37.06N 30.91E 87–4 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.7km az=13.8.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=4.0.
ISC III 08 03 04 45.0–1.2 39.68N–.03 33.87E–.02 5–11 39 0-2
ISK III 08 03 04 44.2 39.65N 33.91E 9 2.8 ¶13435694
ISCJB III 08 03 04 45.3–.59 39.68N–.04 33.85E–.03 9–5 2.8
CSEM III 08 03 04 45.0–.26 39.69N 33.87E 10 2.8
DDA III 08 03 04 46.3 39.56N 33.81E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.5km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=1.0.
DDA Event type ke.
ISC III 08 05 39 16.2–3.0 37.1N–.10 43.75E–.09 3–14 26 0-3
DDA III 08 05 39 17.0 37.19N 43.78E 1 3.3 ¶13435702
ISK III 08 05 39 20.3 37.21N 43.65E 7 3.6
CSEM III 08 05 39 20.1–1.4 37.24N 43.78E 2 3.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=30.8km s-min=15.7km az=143.0.
ISC III 08 07 06 17.2–1.0 39.14N–.03 42.27E–.02 10–10 34 1-2
ISCJB III 08 07 06 16.9–.55 39.14N–.03 42.29E–.03 1–8 ¶13435710
ISK III 08 07 06 16.5 39.16N 42.28E 10 2.9
DDA III 08 07 06 17.2 39.19N 42.33E 7 2.7
CSEM III 08 07 06 17.0–.19 39.14N 42.24E 20 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=21.1.
DDA Event type ke.

CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=27.0.
ISC III 08 07 45 34.8–1.2 40.57N–.03 35.75E–.02 8–11 38 1-2
ISK III 08 07 45 34.7 40.56N 35.75E 8 2.8 ¶13435714
DDA III 08 07 45 34.7 40.70N 35.75E 7 2.8
ISCJB III 08 07 45 35.0–.54 40.56N–.03 35.76E–.03 7–6 2.8
CSEM III 08 07 45 35.2–.12 40.57N 35.75E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=165.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=172.0.
ISC III 08 12 25 17.1–.92 39.45N–.02 28.15E–.02 12–8 73 0-2
DDA III 08 12 25 16.0 39.48N 28.11E 7 2.9 ¶15134245
ISCJB III 08 12 25 16.7–.46 39.46N–.03 28.15E–.03 6–4 2.9
CSEM III 08 12 25 16.8–.12 39.45N 28.15E 8 2.8
ISK III 08 12 25 16.4 39.46N 28.16E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.1km az=40.1.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=39.0.
ISC III 08 16 10 18.5–.91 38.92N–.03 27.87E–.03 9–6 38 0-1
ISCJB III 08 16 10 18.5–.46 38.93N–.03 27.89E–.04 7–5 ¶13435756
ISK III 08 16 10 18.1 38.93N 27.89E 5 2.6
DDA III 08 16 10 18.2 38.93N 27.92E 3 2.6
CSEM III 08 16 10 18.6–.12 38.92N 27.88E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.6km az=136.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=118.0.
ISK III 08 19 50 26.8 40.80N 27.49E 11 2.7
DDA III 08 19 50 27.0 40.80N 27.51E 7 2.7 ¶13435768
CSEM III 08 19 50 27.1–.08 40.82N 27.47E 12 2.7
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=149.0.
ISC III 08 21 40 20.8–.84 39.41N–.02 26.29E–.02 13–6 232 0-7
ISK III 08 21 40 19.2 39.42N 26.15E 16 3.6,3.6L ¶13435777
ATH III 08 21 40 19.5 39.39N 26.36E 23–2 3.4,3.6L
ISCJB III 08 21 40 20.3–.54 39.42N–.02 26.24E–.02 14–3 3.4,3.6L
DDA III 08 21 40 20.1 39.42N 26.30E 27 3.4,3.6L
CSEM III 08 21 40 20.7–.12 39.41N 26.28E 10 3.4,3.6L
SOF III 08 21 40 22.7 39.59N 26.24E 14 3.1,3.6L
BEO III 08 21 40 22.7–1.1 39.72N 26.63E 0 3.4L,3.6L
SKO III 08 21 40 24.4 39.65N 26.05E 0 3.4L,3.6L
ISC Event type ke.
ATH Error ellipse: s-maj=2.4km s-min=4.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=148.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=60.0.
BEO Event type ke.
DDA III 08 23 56 38.2 38.04N 38.16E 6 2.8 ¶15134235
DDA Event type ke.
ISC III 09 00 02 30.2–1.1 40.55N–.02 33.00E–.02 5–10 56 0-3
ISCJB III 09 00 02 29.6–.63 40.55N–.03 33.00E–.03 3–5 ¶13435785
ISK III 09 00 02 29.3 40.53N 33.01E 5 3.2
CSEM III 09 00 02 30.0–.10 40.55N 33.00E 5 3.2
DDA III 09 00 02 31.9 40.57N 32.99E 11 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.2km az=155.9.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=139.0.
DDA Event type ke.
ISC III 09 01 08 05.0–.91 37.58N–.03 36.31E–.02 25–5 43 0-2
ISK III 09 01 08 03.4 37.65N 36.33E 10 2.8 ¶13435792
CSEM III 09 01 08 04.6–.23 37.61N 36.32E 19–1 3.0
ISCJB III 09 01 08 05.2–.45 37.60N–.04 36.30E–.03 21–5 3.0
DDA III 09 01 08 06.4 37.60N 36.48E 8 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.4km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=12.2.
DDA Event type ke.
ISC III 09 02 21 12.8–2.3 37.9N–.70 28.9E–.50 10 8 0-3
DDA III 09 02 21 08.3 37.82N 29.06E 7 2.8 ¶13435800
ISK III 09 02 21 11.0 37.77N 29.07E 5 2.6
CSEM III 09 02 21 11.2–.49 37.71N 29.05E 2 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=36.1km s-min=10.4km az=143.0.
DDA III 09 02 22 51.2 39.84N 31.86E 7 2.8 ¶16437763
DDA Event type ke.
ISC III 09 02 23 15.3–1.1 40.14N–.03 31.71E–.02 7–10 53 1-2
ISK III 09 02 23 13.8 40.13N 31.71E 3 3.0 ¶13435801
CSEM III 09 02 23 14.5–.12 40.12N 31.70E 2 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=13.0.
DDA III 09 03 39 30.2 37.80N 29.07E 7 2.5 ¶15134266
DDA Event type ke.
ISC III 09 04 45 11.2–1.3 40.20N–.04 41.57E–.04 15–11 22 0-2
ISK III 09 04 45 09.9 40.26N 41.59E 13 2.6 ¶13435809
DDA III 09 04 45 11.7 40.19N 41.51E 7 2.8
CSEM III 09 04 45 11.2–.43 40.13N 41.54E 23–5 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.2km s-min=11.0km az=123.0.
ISC III 09 06 26 19.3–.99 39.47N–.02 28.50E–.02 6–8 43 0-2
ISK III 09 06 26 17.9 39.46N 28.51E 5 2.7 ¶13435814
DDA III 09 06 26 19.0 39.48N 28.53E 8 2.8
CSEM III 09 06 26 19.1–.12 39.47N 28.53E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=53.0.
ISC III 09 06 38 25.4–.98 38.69N–.02 27.65E–.03 14–8 46 0-2
DDA III 09 06 38 24.9 38.69N 27.63E 13 2.9 ¶13435815
ISCJB III 09 06 38 25.7–.63 38.68N–.03 27.66E–.04 5–5 2.9
ISK III 09 06 38 25.0 38.69N 27.69E 3 2.8
CSEM III 09 06 38 25.8–.16 38.69N 27.68E 2 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=15.5.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=113.0.
ISK III 09 10 13 49.2 36.33N 31.89E 32 3.4
CSEM III 09 10 13 49.2 36.33N 31.89E 32 3.4 ¶13435832
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC III 09 11 36 17.8–.93 39.45N–.02 28.16E–.02 11–7 72 0-2
ISCJB III 09 11 36 17.4–.50 39.44N–.03 28.15E–.03 6–4 ¶13435841
ISK III 09 11 36 17.4 39.46N 28.17E 13 2.8
DDA III 09 11 36 17.4 39.46N 28.15E 8 2.9
CSEM III 09 11 36 17.6–.12 39.44N 28.15E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=29.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=36.0.
ISC III 09 12 00 40.1–.00 39.44N–.02 28.17E–.03 9–9 44 0-1
ISK III 09 12 00 38.8 39.41N 28.17E 11 2.5 ¶13435844
ISCJB III 09 12 00 39.9–.59 39.44N–.03 28.15E–.04 2–6 2.5
DDA III 09 12 00 40.4 39.46N 28.16E 9 2.8
CSEM III 09 12 00 40.1–.26 39.44N 28.15E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=146.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=57.0.

ISC	**III**	**09 12 43 37.4–.94**	**39.45N–.04**	**28.21E–.03**	**14–8**		**32**	**0-1**
ISK	III	09 12 43 36.2	39.43N	28.21E	16	2.5		¶13435847
ISCJB	III	09 12 43 37.9–.97	39.50N–.04	28.20E–.05	22–14	2.5		
CSEM	III	09 12 43 37.3–.21	39.51N	28.21E	20	2.9		
DDA	III	09 12 43 38.1	39.44N	28.16E	6	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.9km s-min=5.2km az=34.3.							
CSEM	Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=41.0.							
DDA	Event type ke.							
ISC	**III**	**09 13 42 40.6–1.4**	**37.29N–.06**	**38.65E–.05**	**8–10**		**22**	**0-1**
ISK	III	09 13 42 38.7	37.20N	38.68E	10	2.6		¶13435852
ISCJB	III	09 13 42 40.0–1.5	37.28N–.07	38.67E–.07	5–7	2.6		
CSEM	III	09 13 42 40.0–.59	37.28N	38.67E	8	2.8		
DDA	III	09 13 42 44.6	37.49N	38.29E	9	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=13.4km s-min=6.5km az=144.4.							
CSEM	Event type ke. Error ellipse: s-maj=16.3km s-min=6.6km az=144.0.							
DDA	Event type ke.							
ISC	**III**	**09 16 02 07.7–1.1**	**37.90N–.02**	**37.90E–.02**	**5–12**		**40**	**0-2**
ISK	III	09 16 02 06.7	37.90N	37.91E	5	3.0		¶13435862
ISCJB	III	09 16 02 07.2–.49	37.90N–.03	37.91E–.04	4–6	3.0		
DDA	III	09 16 02 07.4	37.90N	37.90E	7	2.8		
CSEM	III	09 16 02 07.4–.13	37.90N	37.91E	5	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=42.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=132.0.							
ISC	**III**	**09 16 59 06.7–.94**	**37.90N–.02**	**29.21E–.02**	**10–8**		**54**	**0-2**
ISK	III	09 16 59 05.9	37.91N	29.21E	8	3.0		¶13435865
ISCJB	III	09 16 59 06.4–.42	37.90N–.02	29.21E–.03	8–4	3.0		
DDA	III	09 16 59 06.0	37.89N	29.24E	11	3.0		
CSEM	III	09 16 59 06.5–.12	37.91N	29.20E	10	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=6.1.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=101.0.							
ISC	**III**	**09 18 24 16.2–1.1**	**37.58N–.05**	**36.35E–.03**	**14–9**		**22**	**0-2**
ISK	III	09 18 24 14.5	37.68N	36.35E	3	2.6		¶13435866
ISCJB	III	09 18 24 16.4–.76	37.58N–.05	36.35E–.04	6–8	2.6		
CSEM	III	09 18 24 16.2–.24	37.59N	36.35E	10	2.8		
DDA	III	09 18 24 17.9	37.67N	36.67E	7	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.2km s-min=5.4km az=21.9.							
CSEM	Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=26.0.							
DDA	Event type ke.							
ISC	**III**	**09 19 36 18.3–1.4**	**37.41N–.04**	**43.78E–.05**	**5–10**		**61**	**0-6**
DDA	III	09 19 36 15.2	37.32N	43.56E	5	3.7		¶13435868
ISK	III	09 19 36 16.8	37.36N	43.94E	7	3.9		
CSEM	III	09 19 36 21.4–.32	37.66N	43.72E	2	3.7		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=7.7km s-min=5.7km az=117.0.							
ISC	**III**	**09 20 42 31.4–1.1**	**39.04N–.02**	**32.33E–.02**	**5–9**		**180**	**0-37**
IDC	III	09 20 42 29.5–2.1	39.13N	32.30E	0	3.6L,3.4b		¶12702820
ISK	III	09 20 42 30.3	39.05N	32.35E	5	3.9,3.7L		
CSEM	III	09 20 42 32.2–.10	39.03N	32.33E	2	3.6,3.7L		
DDA	III	09 20 42 36.3	38.52N	31.89E	35	3.6,3.7L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=25.4km s-min=18.1km az=175.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=4.0.							
DDA	Event type ke.							
ISC	**III**	**09 21 43 28.1–1.1**	**38.64N–.02**	**40.21E–.02**	**12–10**		**41**	**0-2**
ISK	III	09 21 43 27.8	38.70N	40.14E	2	2.9		¶13435872
DDA	III	09 21 43 27.9	38.63N	40.20E	9	3.1L		
ISCJB	III	09 21 43 28.0–.57	38.64N–.02	40.21E–.03	5–4	3.1L		
CSEM	III	09 21 43 29.5–.28	38.59N	40.19E	15	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=19.7.							
CSEM	Event type ke. Error ellipse: s-maj=6.7km s-min=6.1km az=158.0.							
ISC	**III**	**10 00 24 19.0–.92**	**38.22N–.02**	**28.72E–.02**	**12–8**		**59**	**0-2**
ISCJB	III	10 00 24 18.9–.47	38.22N–.02	28.71E–.03	9–4			¶13435876
ISK	III	10 00 24 18.7	38.26N	28.72E	17	2.8		
DDA	III	10 00 24 19.2	38.24N	28.71E	7	2.7		
CSEM	III	10 00 24 19.0–.11	38.22N	28.70E	12	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=172.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=55.0.							
ISC	**III**	**10 05 06 57.1–1.2**	**37.07N–.03**	**28.19E–.02**	**2–11**		**53**	**0-3**
ISK	III	10 05 06 57.9	37.10N	28.20E	5	3.0		¶13435888
DDA	III	10 05 06 57.1	36.96N	28.14E	7	3.0		
CSEM	III	10 05 06 58.7–.21	37.05N	28.25E	2	3.0		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=3.0km az=10.0.							
ISC	**III**	**10 06 22 58.1–.96**	**38.92N–.03**	**43.63E–.04**	**15–11**		**33**	**0-2**
ISK	III	10 06 22 56.7	38.80N	43.87E	2	2.9		¶13435890
ISCJB	III	10 06 22 58.3–.63	38.88N–.04	43.71E–.06	7–5	2.9		
DDA	III	10 06 22 58.3	38.95N	43.56E	8	2.8		
CSEM	III	10 06 22 58.0–.35	38.90N	43.66E	12	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.7km s-min=4.0km az=33.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=14.0km s-min=5.8km az=119.0.							
ISC	**III**	**10 07 21 48.4–.99**	**36.14N–.05**	**35.93E–.03**	**10–8**		**42**	**0-4**
DDA	III	10 07 21 48.0	36.18N	35.93E	7	3.1		¶13435896
ISCJB	III	10 07 21 48.8–.64	36.17N–.05	35.96E–.05	7–5	3.1		
ISK	III	10 07 21 48.8	36.21N	35.99E	9	2.9		
CSEM	III	10 07 21 48.5–.25	36.12N	35.95E	10	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.3km s-min=4.5km az=32.8.							
CSEM	Event type ke. Error ellipse: s-maj=6.2km s-min=3.2km az=23.0.							
ISC	**III**	**10 10 13 21.8–.81**	**38.95N–.02**	**27.76E–.02**	**13–5**		**211**	**0-8**
ATH	III	10 10 13 18.5	38.90N	27.92E	8–2	3.6		¶13435910
DDA	III	10 10 13 20.9	38.96N	27.78E	17	3.9L		
CSEM	III	10 10 13 21.5–.06	38.94N	27.77E	10	3.6L		
ISK	III	10 10 13 21.1	38.94N	27.76E	14	3.6L		
ISCJB	III	10 10 13 21.2–.34	38.94N–.02	27.76E–.02	13–3	3.6L		
THE	III	10 10 13 23.3	38.89N	27.72E	16–3	3.9L		
SOF	III	10 10 13 24.0	39.27N	27.62E	6	3.1		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=1.7km s-min=2.5km az=-1.0.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=107.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=41.9.							
THE	Event type ke. Error ellipse: s-maj=3.4km s-min=1.0km az=99.0.							
ISC	**III**	**10 11 48 39.7–1.3**	**38.99N–.03**	**41.87E–.03**	**21–4**		**31**	**0-6**
ISK	III	10 11 48 39.5	38.99N	41.84E	21	2.9		¶13435918
CSEM	III	10 11 48 39.4–.35	38.93N	41.71E	30	2.9		
DDA	III	10 11 48 40.5	39.06N	41.83E	7	3.3		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=11.7km s-min=7.7km az=23.0.							
DDA	Event type ke.							
ISC	**III**	**10 13 13 01.7–.85**	**37.16N–.02**	**43.63E–.02**	**1–6**	**3.9b,3.4s**	**202**	**0-86**
NSSC	III	10 13 12 44.8–5.9	37.92N	45.40E	37–999	4.5L,2.4		¶12702873
AZER	III	10 13 12 47.2	36.62N	42.08E	0	4.5L,2.4		
CSEM	III	10 13 13 01.6–.14	37.14N	43.73E	2	4.5L,2.4		
ISK	III	10 13 13 01.5	37.21N	43.70E	5	3.9,2.4		
DDA	III	10 13 13 02.1	37.29N	43.49E	7	4.1,2.4		
MOS	III	10 13 13 02.1–1.9	37.15N	43.62E	14	4.1b,2.4		
IDC	III	10 13 13 05.4–3.2	37.23N	43.69E	24–21	3.8,3.7		
TEH	III	10 13 13 06.1	37.18N	43.98E	15	4.3L,3.7		
ISC	Event type ke.							
NSSC	Error ellipse: s-maj=380.4km s-min=999.9km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=40.0.							
DDA	Event type ke.							
MOS	Error ellipse: s-maj=10.0km s-min=5.1km az=94.7.							
IDC	Error ellipse: s-maj=15.5km s-min=10.1km az=141.0.							
ISC	**III**	**10 13 47 13.5–.83**	**39.78N–.02**	**26.05E–.02**	**13–5**		**78**	**0-2**
ATH	III	10 13 47 13.2	39.78N	26.04E	28–1	2.9		¶13435924
DDA	III	10 13 47 13.5	39.81N	26.12E	12	2.8		
ISCJB	III	10 13 47 13.7–.46	39.79N–.02	26.04E–.03	11–3	2.8		
THE	III	10 13 47 14.1	39.79N	26.04E	10–4	2.6L		
ISK	III	10 13 47 14.1	39.83N	26.10E	2	2.8		
CSEM	III	10 13 47 14.0–.15	39.80N	26.04E	10	2.8		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=168.4.							
THE	Event type ke. Error ellipse: s-maj=4.9km s-min=0.4km az=221.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=87.0.							
ISC	**III**	**10 22 02 04.1–1.1**	**37.85N–.02**	**27.39E–.02**	**3–11**		**58**	**0-3**
ISCJB	III	10 22 02 03.8–.53	37.85N–.03	27.39E–.04	0–8			¶13435945
DDA	III	10 22 02 03.4	37.84N	27.39E	7	3.0		
ISK	III	10 22 02 04.0	37.86N	27.33E	5	3.0		
CSEM	III	10 22 02 04.2–.15	37.85N	27.39E	2	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=155.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=83.0.							
ISC	**III**	**10 23 28 44.5–1.1**	**37.84N–.02**	**27.38E–.03**	**2–13**		**38**	**0-2**
DDA	III	10 23 28 43.7	37.84N	27.39E	7	2.9		¶13435946
ISCJB	III	10 23 28 44.3–.62	37.86N–.03	27.38E–.05	0–11	2.9		
ISK	III	10 23 28 44.5	37.87N	27.33E	5	2.8		
CSEM	III	10 23 28 44.4–.22	37.85N	27.38E	2	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=162.9.							
CSEM	Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=87.0.							
ISC	**III**	**10 23 58 44.1–.99**	**39.17N–.02**	**29.46E–.02**	**10–9**		**40**	**0-2**
DDA	III	10 23 58 43.9	39.15N	29.51E	7	2.8		¶13435949
ISCJB	III	10 23 58 44.1–.52	39.17N–.03	29.47E–.04	2–6	2.8		
ISK	III	10 23 58 44.0	39.20N	29.47E	6	2.6		
CSEM	III	10 23 58 44.4–.14	39.18N	29.47E	5	2.6		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=136.6.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=117.0.							
ISK	**III**	**11 02 21 32.0**	**38.87N**	**27.80E**	**6**	**2.7**		
DDA	III	11 02 21 31.3	38.95N	27.79E	8	2.8		¶13435955
CSEM	III	11 02 21 32.6–.19	38.91N	27.83E	2	2.7		
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=3.7km az=40.0.							
ISC	**III**	**11 07 02 46.0–1.0**	**38.94N–.02**	**43.60E–.03**	**17–9**		**38**	**0-2**
ISK	III	11 07 02 45.8	38.94N	43.61E	12	2.9		¶13435967
DDA	III	11 07 02 45.9	38.93N	43.59E	10	3.1		
CSEM	III	11 07 02 46.1–.40	38.93N	43.60E	10	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=11.0km s-min=6.7km az=103.0.							
ISC	**III**	**11 07 56 14.2–1.4**	**37.94N–.06**	**27.45E–.06**	**10**		**7**	**0-1**
ISCJB	III	11 07 56 14.5–1.1	37.91N–.06	27.44E–.07	10			¶15134307
DDA	III	11 07 56 14.4	37.92N	27.42E	7	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.1km s-min=7.8km az=5.6.							
DDA	Event type ke.							
ISC	**III**	**11 09 25 11.0–.93**	**37.90N–.02**	**29.18E–.03**	**14–8**		**32**	**0-1**
ISCJB	III	11 09 25 10.7–.57	37.92N–.03	29.17E–.05	9–5			¶13435978
DDA	III	11 09 25 10.0	37.90N	29.17E	14	2.7		
CSEM	III	11 09 25 10.6–.24	37.91N	29.18E	2	2.7		
ISK	III	11 09 25 11.1	37.96N	29.19E	5	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=5.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=4.3km az=102.0.							
ISC	**III**	**11 09 49 14.0–1.2**	**38.67N–.02**	**30.61E–.02**	**8–10**		**48**	**0-2**
ISCJB	III	11 09 49 13.9–.61	38.67N–.03	30.61E–.04	4–7			¶13435982
ISK	III	11 09 49 13.3	38.68N	30.60E	8	2.9		
CSEM	III	11 09 49 14.3–.19	38.67N	30.62E	10	2.7		
DDA	III	11 09 49 15.1	38.72N	30.56E	7	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=24.2.							
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=154.0.							
DDA	Event type ke.							
ISC	**III**	**11 11 20 47.0–1.1**	**39.44N–.04**	**28.14E–.03**	**11–9**		**42**	**0-2**
ISK	III	11 11 20 46.9	39.45N	28.16E	8	2.8		¶13435995
DDA	III	11 11 20 47.0	39.47N	28.14E	7	2.9		
ISCJB	III	11 11 20 47.3–.59	39.46N–.04	28.17E–.04	6–7	2.9		
CSEM	III	11 11 20 47.2–.18	39.45N	28.15E	10	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=4.1km az=25.2.							
CSEM	Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=35.0.							
ISC	**III**	**11 13 36 14.7–1.6**	**40.47N–.04**	**34.82E–.07**	**1–16**		**13**	**0-1**
DDA	III	11 13 36 13.6	40.46N	34.88E	6	2.9		¶15134292
CSEM	III	11 13 36 13.6	40.46N	34.88E	6	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.							
ISC	**III**	**11 13 38 23.8–.93**	**37.55N–.03**	**35.50E–.03**	**17–7**		**30**	**0-2**
ISK	III	11 13 38 23.3	37.56N	35.54E	20	2.8		¶13436011
DDA	III	11 13 38 23.2	37.59N	35.46E	3	2.8		
ISCJB	III	11 13 38 24.8–.53	37.52N–.05	35.51E–.05	26–7	2.8		
CSEM	III	11 13 38 24.2–.27	37.53N	35.49E	20	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.3km s-min=5.9km az=165.6.							
CSEM	Event type ke.							
ISK	**III**	**11 14 19 54.0**	**40.00N**	**29.54E**	**4**	**2.5**		
								¶13436017
ISC	**III**	**11 14 24 08.5–.99**	**39.49N–.03**	**28.00E–.03**	**17–8**		**28**	**0-1**
ISCJB	III	11 14 24 08.3–.59	39.50N–.04	28.01E–.05	14–5			¶13436018
ISK	III	11 14 24 08.1	39.50N	28.01E	16	2.5		
DDA	III	11 14 24 08.4	39.48N	28.00E	7	2.6		
CSEM	III	11 14 24 08.4–.08	39.49N	28.01E	15	2.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=5.9km az=142.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=76.0.							
ISC	**III**	**11 15 32 27.8–1.2**	**38.02N–.03**	**37.60E–.02**	**3–10**		**75**	**0-3**
ISK	III	11 15 32 26.4	38.02N	37.60E	5	3.4		¶13436025
DDA	III	11 15 32 27.0	38.03N	37.57E	6	3.3		
CSEM	III	11 15 32 27.9–.13	38.01N	37.65E	2	3.3		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=138.0.							
ISC	**III**	**11 16 27 37.6–1.2**	**37.77N–.02**	**34.61E–.03**	**5–13**		**39**	**0-2**
DDA	III	11 16 27 36.8	37.77N	34.66E	9	3.0		¶13436027
ISK	III	11 16 27 37.4	37.77N	34.60E	6	3.0		
CSEM	III	11 16 27 37.7–.22	37.78N	34.63E	2	3.0		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=71.0.
ISC III 11 17 26 06.2–.55 39.04N–.02 41.86E–.02 11–3 4.3b,4.1s 287 0-65
AZER III 11 17 26 00.5 38.09N 40.43E 0 4.3b,4.1s ¶11845807
NEIC III 11 17 26 03.8 39.00N 41.89E 5 4.4b,4.3L
ISK III 11 17 26 03.7 39.03N 41.88E 5 4.3,4.3L
IDC III 11 17 26 03.4–.79 38.96N 41.91E 0 3.8,3.8b
DDA III 11 17 26 04.4 39.06N 41.86E 31 4.3L,3.8b
CSEM III 11 17 26 05.2–.13 39.05N 41.95E 2 4.4b,3.8b
ISC Event type ke.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=15.3km s-min=10.2km az=149.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=169.0.
ISC III 11 17 40 50.4–1.6 39.15N–.04 41.85E–.05 8–14 25 0-2
DDA III 11 17 40 50.5 39.16N 41.93E 7 3.1 ¶13436032
CSEM III 11 17 40 50.9–.50 39.00N 41.86E 2 3.0
ISK III 11 17 40 51.7 39.11N 41.86E 6 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISC III 11 18 21 25.6–1.2 39.01N–.02 41.90E–.02 3–11 79 0-6
ISK III 11 18 21 24.2 39.02N 41.88E 5 3.5,3.4L ¶13436033
DDA III 11 18 21 25.0 39.02N 41.89E 12 3.5,3.4L
CSEM III 11 18 21 25.4–.15 39.03N 41.94E 2 3.5,3.4L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=36.0.
ISC III 11 18 42 24.2–1.4 37.28N–.04 30.71E–.03 87–8 53 0-2
DDA III 11 18 42 18.4 37.77N 30.99E 8 2.8 ¶13436035
ISK III 11 18 42 21.1 37.24N 30.90E 101 2.9
ISCJB III 11 18 42 22.4–.82 37.29N–.04 30.71E–.04 102–7 2.9
CSEM III 11 18 42 22.8–.19 37.27N 30.69E 100 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=7.1.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=5.5km az=13.0.
ISC III 12 01 18 15.9–.92 39.88N–.03 39.68E–.03 14–8 36 0-2
ISCJB III 12 01 18 15.7–.49 39.87N–.03 39.69E–.04 9–5 ¶13436045
ISK III 12 01 18 15.1 39.88N 39.67E 15 2.9
CSEM III 12 01 18 15.6–.14 39.87N 39.68E 12 2.9
DDA III 12 01 18 16.7 39.94N 39.69E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.6km az=11.8.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=138.0.
DDA Event type ke.
ISC III 12 06 18 38.1–1.1 39.06N–.02 32.38E–.02 5–10 94 1-4
ISK III 12 06 18 37.0 39.05N 32.38E 5 3.4L ¶13436060
DDA III 12 06 18 37 39.05N 32.39E 4 3.5
CSEM III 12 06 18 38.1–.16 39.04N 32.40E 2 3.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=151.0.
ISC III 12 10 35 50.0–1.8 38.02N–.05 37.92E–.10 9 16 0-1
ISK III 12 10 35 49.7 38.03N 37.95E 13 2.7 ¶13436081
DDA III 12 10 35 50.5 37.97N 38.01E 7 2.8
CSEM III 12 10 35 50.5–.54 38.02N 37.98E 17–3 2.8
ISCJB III 12 10 35 51.1–1.4 38.01N–.05 38.02E–.10 9 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC III 12 10 40 29.7–.99 38.69N–.04 30.57E–.03 12–10 24 0-1
ISK III 12 10 40 29.1 38.68N 30.61E 13 2.7 ¶13436082
CSEM III 12 10 40 29.6–.15 38.69N 30.57E 10 2.7
DDA III 12 10 40 30.6 38.75N 30.57E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=127.0.
DDA Event type ke.
ISC III 12 12 19 37.5–.94 39.43N–.02 33.11E–.02 3–7 80 0-3
ISK III 12 12 19 36.6 39.43N 33.12E 5 3.1 ¶13436088
DDA III 12 12 19 37.1 39.43N 33.10E 13 3.1
CSEM III 12 12 19 37.7–.15 39.40N 33.12E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=164.0.
ISC III 12 12 52 44.0–1.0 40.44N–.02 42.30E–.02 11–10 83 0-3
NSSP III 12 12 52 39.0 40.55N 42.33E 10 3.0s ¶13436090
ISK III 12 12 52 42.1 40.46N 42.32E 5 3.1
TIF III 12 12 52 43.1 40.49N 42.24E 8–4 3.1
DDA III 12 12 52 43.4 40.45N 42.32E 15 3.1
CSEM III 12 12 52 43.7–.19 40.43N 42.30E 5 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=6.0.
ISC III 12 12 59 45.6–1.3 40.46N–.03 42.36E–.03 14–11 42 1-2
ISK III 12 12 59 44.9 40.47N 42.35E 10 3.0 ¶13436091
DDA III 12 12 59 44.6 40.46N 42.41E 7 2.9
ISCJB III 12 12 59 45.1–1.1 40.45N–.03 42.34E–.07 6–12 2.9
CSEM III 12 12 59 45.3–.23 40.45N 42.33E 12 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.1km az=11.9.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=5.1km az=44.0.
ISC III 12 13 57 31.0–.97 38.42N–.04 39.35E–.03 9–5 30 0-2
CSEM III 12 13 57 29.7–.56 38.43N 39.48E 8 2.8 ¶13436093
ISK III 12 13 57 30.9 38.47N 39.31E 4 2.8
ISCJB III 12 13 57 32.4–.55 38.39N–.05 39.29E–.05 7–4 2.8
DDA III 12 13 57 32.2 38.41N 39.35E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=8.1km az=113.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=4.3km az=29.7.
DDA Event type ke.
ISC III 12 15 45 25.0–.90 37.07N–.03 28.16E–.02 10–6 64 0-3
DDA III 12 15 45 23.8 36.98N 28.20E 7 2.9 ¶13436102
ISCJB III 12 15 45 25.4–.58 37.07N–.04 28.15E–.03 6–4 2.9
ISK III 12 15 45 25.0 37.14N 28.18E 14 2.9
CSEM III 12 15 45 25.3–.28 37.08N 28.17E 10 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=6.7.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=7.0.
DDA III 12 18 11 40.1 37.37N 36.89E 7 2.8
¶15134308
DDA Event type ke.
ISC III 12 18 44 01.0–.97 39.09N–.03 29.04E–.02 8–9 42 0-2
ISCJB III 12 18 44 00.6–.57 39.10N–.04 29.03E–.04 2–8 ¶13436109
ISK III 12 18 44 00.1 39.09N 29.05E 5 2.7
DDA III 12 18 44 00.5 39.12N 29.03E 7 2.4
CSEM III 12 18 44 00.8–.11 39.10N 29.03E 4–1 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.1km az=156.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=143.0.
ISC III 12 20 15 35.2–.99 39.38N–.02 32.46E–.02 13–9 89 0-3
DDA III 12 20 15 33.5 39.36N 32.48E 5 3.2 ¶13436113
ISK III 12 20 15 34.0 39.36N 32.48E 5 3.5
CSEM III 12 20 15 35.1–.15 39.34N 32.48E 2 3.5
ISC Event type ke.
DDA Event type ke.

CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=163.0.
ISC III 12 21 49 05.8–.99 37.13N–.04 43.50E–.04 10–7 59 0-9
DDA III 12 21 49 03.6 37.10N 43.36E 7 3.5 ¶13436116
ISCJB III 12 21 49 04.6–.84 37.06N–.03 43.56E–.06 8–6 3.5
CSEM III 12 21 49 05.4–.26 37.13N 43.76E 10 3.6
ISK III 12 21 49 06.6 37.23N 43.46E 3 3.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.2km az=167.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=4.9km az=68.0.
ISC III 13 00 49 19.0–.87 38.41N–.03 39.16E–.03 9–6 35 0-2
ISK III 13 00 49 18.7 38.42N 39.14E 6 2.8 ¶13436121
DDA III 13 00 49 18.9 38.40N 39.13E 13 3.0
CSEM III 13 00 49 18.9–.16 38.44N 39.15E 8 2.8
ISCJB III 13 00 49 19.1–.51 38.42N–.03 39.16E–.04 6–5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC III 13 01 28 03.0–1.0 40.56N–.03 32.99E–.03 11–9 44 0-3
ISCJB III 13 01 28 02.7–.69 40.56N–.03 32.97E–.04 6–6 ¶13436126
ISK III 13 01 28 02.3 40.56N 32.96E 5 3.1
CSEM III 13 01 28 02.7–.12 40.55N 32.98E 5 3.0
DDA III 13 01 28 03.4 40.56N 33.12E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=138.9.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=135.0.
DDA Event type ke.
ISC III 13 01 36 43.3–1.2 37.43N–.04 38.60E–.02 3–12 40 0-2
ISCJB III 13 01 36 42.9–.78 37.41N–.05 38.58E–.04 6–5 ¶13436127
ISK III 13 01 36 42.4 37.40N 38.62E 10 3.0
CSEM III 13 01 36 42.8–.22 37.41N 38.59E 8 3.0
DDA III 13 01 36 43.3 37.47N 38.58E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.7km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=165.0.
DDA Event type ke.
ISC III 13 02 13 41.7–1.0 39.03N–.04 29.68E–.04 12–9 24 0-1
DDA III 13 02 13 41.7 39.01N 29.69E 8 2.6 ¶15134355
CSEM III 13 02 13 41.7 39.01N 29.69E 8 2.6
ISCJB III 13 02 13 42.1–.60 39.04N–.04 29.66E–.04 10–5 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. After DDA.
ISCJB Event type ke.
ISC III 13 02 22 54.8–.98 39.50N–.05 32.90E–.05 17–7 27 0-2
ISCJB III 13 02 22 54.6–.92 39.53N–.05 32.84E–.06 10–6 ¶13436131
ISK III 13 02 22 54.8 39.47N 32.88E 16 2.8
DDA III 13 02 22 54.2 39.50N 32.90E 7 3.0
CSEM III 13 02 22 54.3–.32 39.56N 32.85E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.0km az=143.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=5.0km az=140.0.
ISC III 13 02 41 08.9–1.0 37.02N–.02 29.17E–.02 10–9 59 0-2
DDA III 13 02 41 07.8 36.98N 29.16E 6 2.9 ¶13436134
ISCJB III 13 02 41 08.4–.56 37.00N–.03 29.18E–.03 4–5 2.9
ISK III 13 02 41 08.2 37.01N 29.18E 7 2.9
CSEM III 13 02 41 08.6–.16 37.00N 29.17E 8 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=19.5.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=24.0.
ISC III 13 09 13 38.7–1.0 39.51N–.03 27.01E–.02 8–13 40 0-2
ISCJB III 13 09 13 38.4–.54 39.53N–.03 27.00E–.03 7–6 ¶13436174
DDA III 13 09 13 38.5 39.51N 26.99E 7 2.8
CSEM III 13 09 13 38.6–.15 39.51N 27.00E 10 2.8
ISK III 13 09 13 39.1 39.58N 27.01E 9 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=179.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=18.0.
ISC III 13 09 16 05.0–1.1 40.55N–.02 32.99E–.02 7–10 68 0-3
ISCJB III 13 09 16 04.6–.63 40.55N–.02 32.98E–.03 1–5 ¶13436175
ISK III 13 09 16 04.4 40.56N 32.96E 6 3.2
DDA III 13 09 16 04.4 40.56N 32.99E 7 3.6,3.6L
CSEM III 13 09 16 04.8–.14 40.55N 32.98E 2 3.2,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=175.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=159.0.
ISC III 13 09 55 04.0–.96 37.67N–.03 37.98E–.03 8 22 0-1
ISCJB III 13 09 55 04.4–.65 37.69N–.04 37.95E–.04 8 ¶13436184
ISK III 13 09 55 04.5 37.65N 38.00E 30 2.8
CSEM III 13 09 55 04.7–.14 37.65N 37.99E 28–3 2.8
DDA III 13 09 55 06.7 37.70N 38.09E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=148.7.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=148.0.
DDA Event type ke.
ISC III 14 01 17 30.2–1.2 40.77N–.02 33.91E–.02 0–12 55 0-3
ISK III 14 01 17 29.8 40.79N 33.88E 3 3.2 ¶13436227
ISCJB III 14 01 17 30.6–.50 40.78N–.03 33.89E–.03 5–5 3.2
DDA III 14 01 17 30.5 40.76N 33.91E 7 2.9
CSEM III 14 01 17 30.4–.14 40.77N 33.90E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.9km az=154.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=146.0.
ISC III 14 01 44 32.3–1.1 40.79N–.03 33.88E–.03 18–6 34 0-2
ISCJB III 14 01 44 32.3–.55 40.80N–.04 33.89E–.04 12–5 ¶13436229
ISK III 14 01 44 32.0 40.79N 33.88E 14 2.9
DDA III 14 01 44 32.5 40.76N 33.91E 7 2.0
CSEM III 14 01 44 32.4–.12 40.78N 33.89E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.0km az=155.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=156.0.
ISC III 14 03 24 36.0–1.0 38.32N–.03 42.82E–.02 11–8 37 0-3
ISK III 14 03 24 34.2 38.28N 42.80E 4 3.1 ¶13436236
ISCJB III 14 03 24 35.9–.60 38.38N–.04 42.79E–.03 5–5 3.1
DDA III 14 03 24 35.3 38.31N 42.77E 8 3.0
CSEM III 14 03 24 35.3–.19 38.31N 42.81E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.1km az=0.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.1km az=1.0.
ISC III 14 04 08 46.6–1.2 41.52N–.03 37.25E–.02 5–9 3.2b 146 1-32
ISCJB III 14 04 08 46.9–.90 41.56N–.03 37.22E–.02 8–6 3.2b ¶12703222
CSEM III 14 04 08 46.8–.21 41.61N 37.26E 2 3.2
IDC III 14 04 08 46.9–1.0 41.47N 37.14E 0 3.5,3.4L
ISK III 14 04 08 47.4 41.49N 37.20E 5 3.6L,3.4L
DDA III 14 04 08 48.1 41.36N 37.22E 23 3.2,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=5.2.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.7km az=16.0.
IDC Error ellipse: s-maj=17.6km s-min=10.7km az=159.0.
DDA Event type ke.
DDA III 14 12 43 23.6 40.72N 33.03E 10 3.0
CSEM III 14 12 43 23.6 40.72N 33.03E 10 3.0 ¶15134369
DDA Event type ke.

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC III 14 12 50 01.3–1.2 39.13N–.02 40.85E–.02 0–11 47 0-2
ISK III 14 12 50 00.7 39.11N 40.83E 5 2.9 ¶13436275
DDA III 14 12 50 01.7 39.14N 40.90E 3 3.0
CSEM III 14 12 50 02.2–.25 39.13N 40.83E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=137.0.
ISC III 15 00 23 06.5–1.0 37.22N–.03 36.93E–.03 8–9 41 0-3
DDA III 15 00 23 05.7 37.21N 36.89E 7 2.8 ¶13436312
ISCJB III 15 00 23 06.2–.66 37.21N–.03 36.91E–.04 4–6 2.8
ISK III 15 00 23 06.4 37.25N 36.98E 5 3.0
CSEM III 15 00 23 06.7–.18 37.21N 36.93E 8 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.9km az=38.5.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=37.0.
ISC III 15 01 40 47.0–1.5 37.41N–.06 38.86E–.09 7–5 22 0-2
ISCJB III 15 01 40 45.2–1.8 37.32N–.07 38.9E–.10 0–14 ¶13436315
CSEM III 15 01 40 45.7–.34 37.32N 38.87E 5 2.6
ISK III 15 01 40 46.2 37.38N 38.83E 10 2.6
DDA III 15 01 40 49.3 37.46N 38.75E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=10.8km az=22.2.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.5km az=128.0.
DDA Event type ke.
ISC III 15 02 27 18.3–.97 38.39N–.07 39.28E–.05 7–6 22 0-1
ISK III 15 02 27 15.6 38.25N 39.39E 10 2.6 ¶13436316
ISCJB III 15 02 27 18.3–1.1 38.45N–.08 39.34E–.06 5–8 2.6
DDA III 15 02 27 18.5 38.40N 39.33E 7 2.4
CSEM III 15 02 27 18.2–.32 38.44N 39.31E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=5.5km az=21.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=4.9km az=22.0.
ISC III 15 08 20 53.0–.92 37.89N–.03 29.04E–.04 14–7 33 0-1
ISK III 15 08 20 52.4 37.89N 28.98E 18 2.6 ¶13436339
ISCJB III 15 08 20 53.5–.49 37.92N–.02 29.01E–.05 7–5 2.6
DDA III 15 08 20 53.5 37.94N 29.04E 6 2.6
CSEM III 15 08 20 53.1–.15 37.89N 29.05E 12 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=174.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=94.0.
ISC III 15 08 56 25.1–1.1 37.90N–.04 29.08E–.05 12–12 26 0-1
ISK III 15 08 56 24.2 37.90N 29.07E 16 2.6 ¶13436345
CSEM III 15 08 56 24.8–.12 37.88N 29.11E 12 2.5
ISCJB III 15 08 56 25.3–.69 37.92N–.03 29.08E–.08 9–9 2.5
DDA III 15 08 56 25.4 37.91N 29.08E 7 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=113.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.7km az=20.4.
DDA Event type ke.
ISC III 15 09 22 19.0–.92 38.41N–.03 39.15E–.02 6–8 39 0-2
ISCJB III 15 09 22 18.7–.58 38.42N–.03 39.14E–.03 3–5 ¶13436348
ISK III 15 09 22 18.0 38.41N 39.14E 5 2.6
DDA III 15 09 22 18.5 38.41N 39.11E 16 2.8
CSEM III 15 09 22 18.5–.15 38.43N 39.14E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=21.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=34.0.
ISC III 15 15 17 18.1–.85 37.92N–.02 29.06E–.03 13–7 44 0-2
ISK III 15 15 17 17.7 37.92N 29.09E 7 2.8 ¶13436367
DDA III 15 15 17 18.0 37.92N 29.03E 10 2.8
CSEM III 15 15 17 17.9–.13 37.92N 29.06E 10 2.8
ISCJB III 15 15 17 18.2–.44 37.93N–.02 29.04E–.04 7–6 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC III 15 15 46 21.1–1.2 37.20N–.10 28.10E–.08 12–13 8 0-1
DDA III 15 15 46 21.1 37.18N 28.08E 7 2.8 ¶15134385
ISCJB III 15 15 46 22.2–1.4 37.2N–.20 28.14E–.07 14–17 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC III 15 18 47 19.9–.94 38.73N–.03 32.08E–.04 10–8 30 0-2
ISCJB III 15 18 47 20.0–.57 38.71N–.04 32.05E–.05 8–5 ¶13436377
DDA III 15 18 47 19.5 38.72N 32.05E 7 3.0
ISK III 15 18 47 19.2 38.73N 32.11E 9 1.9L
CSEM III 15 18 47 19.8–.17 38.71N 32.08E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.8km az=141.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=46.0.
ISC III 15 22 00 32.3–.84 39.16N–.02 29.44E–.02 12–6 43 0-2
ISK III 15 22 00 31.3 39.16N 29.41E 7 1.7L ¶13436385
ISCJB III 15 22 00 32.3–.46 39.16N–.03 29.44E–.03 7–4 1.7L
DDA III 15 22 00 32.4 39.15N 29.41E 10 2.9
CSEM III 15 22 00 32.3–.17 39.17N 29.45E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.3km az=151.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=136.0.
ISC III 16 00 36 44.2–1.2 39.13N–.03 29.09E–.03 18–3 26 0-1
ISK III 16 00 36 43.6 39.11N 29.09E 8 2.6 ¶13436390
ISCJB III 16 00 36 44.5–.72 39.11N–.05 29.08E–.05 10–8 2.6
CSEM III 16 00 36 44.4–.09 39.12N 29.08E 12 2.8
DDA III 16 00 36 45.0 39.07N 29.08E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.9km az=153.5.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=134.0.
DDA Event type ke.
ISC III 16 04 37 14.8–1.1 39.88N–.03 27.14E–.02 8–11 54 0-2
ISK III 16 04 37 14.3 39.90N 27.14E 5 2.9 ¶13436401
CSEM III 16 04 37 14.4–.16 39.86N 27.12E 2 2.8
ISCJB III 16 04 37 15.2–.46 39.92N–.03 27.18E–.03 6–5 2.8
DDA III 16 04 37 15.5 39.93N 27.24E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=28.8.
DDA Event type ke.
ISC III 16 04 38 16.2–.97 39.91N–.02 27.18E–.02 9–9 125 0-3
ISK III 16 04 38 15.6 39.92N 27.19E 5 3.1 ¶13436402
DDA III 16 04 38 15.9 39.92N 27.22E 7 3.3
CSEM III 16 04 38 16.4–.09 39.91N 27.18E 10 3.3
ISCJB III 16 04 38 16.0–.40 39.93N–.02 27.18E–.02 7–3 3.3
ATH III 16 04 38 17.0 39.89N 27.17E 33–1 3.6
THE III 16 04 38 17.1 39.92N 27.09E 2–1 2.5L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=30.7.
ATH Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=93.0.
ISC III 16 07 49 31.5–1.6 37.91N–.07 29.2E–.10 10 7 0-1
ISCJB III 16 07 49 31.3–1.1 37.91N–.05 29.2E–.10 10 ¶15134432
DDA III 16 07 49 31.8 37.89N 29.17E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=5.4km az=20.3.

DDA Event type ke.
ISC III 16 11 47 23.0–1.3 41.06N–.06 39.64E–.03 15–7 36 0-2
ISCJB III 16 11 47 22.6–1.1 41.08N–.05 39.64E–.05 8–5 ¶13436438
ISK III 16 11 47 23.5 40.98N 39.61E 5 2.9
DDA III 16 11 47 23.3 41.02N 39.57E 7 3.0
CSEM III 16 11 47 24.0–.44 40.98N 39.60E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.0km az=172.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=5.6km az=10.0.
ISC III 16 13 40 10.2–1.1 39.77N–.03 33.34E–.03 3–11 44 0-2
ISK III 16 13 40 09.5 39.75N 33.31E 2 2.1L ¶13436451
DDA III 16 13 40 09.4 39.76N 33.36E 7 2.9
CSEM III 16 13 40 10.1–.15 39.76N 33.35E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=132.0.
ISC III 16 14 48 52.8–.90 37.91N–.02 29.19E–.03 11–9 42 0-2
DDA III 16 14 48 52.6 37.90N 29.18E 9 2.8 ¶13436456
CSEM III 16 14 48 52.9–.17 37.91N 29.18E 10 2.8
ISCJB III 16 14 48 53.1–.47 37.91N–.02 29.17E–.05 10–4 2.8
ISK III 16 14 48 53.0 37.92N 29.14E 12 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.9km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=19.1.
ISC III 16 16 48 36.1–3.1 41.79N–.04 37.72E–.02 15–22 86 1-4
DDA III 16 16 48 35.3 41.76N 37.81E 21 3.6L ¶13436461
ISK III 16 16 48 36.2 41.64N 37.64E 8 3.5
CSEM III 16 16 48 36.8–.25 41.73N 37.67E 10 3.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.7km az=1.0.
ISC III 16 20 27 30.0–1.3 38.52N–.03 39.50E–.04 13–11 27 0-1
ISK III 16 20 27 28.8 38.46N 39.59E 10 2.8 ¶13436475
ISCJB III 16 20 27 30.8–.54 38.54N–.04 39.52E–.05 24–7 2.8
DDA III 16 20 27 30.2 38.47N 39.53E 7 2.8
CSEM III 16 20 27 30.5–.33 38.53N 39.45E 20 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=6.0km az=146.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=7.8km az=115.0.
ISC III 17 12 30 33.5–1.1 39.46N–.03 28.16E–.02 11–11 36 0-1
ISCJB III 17 12 30 33.7–.55 39.45N–.04 28.16E–.04 13–5 ¶13436531
ISK III 17 12 30 33.5 39.45N 28.15E 13 2.6
DDA III 17 12 30 33.8 39.47N 28.15E 7 2.8
CSEM III 17 12 30 33.7–.15 39.45N 28.15E 12 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.4km az=31.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=44.0.
ISC III 17 14 43 20.4–.95 39.12N–.02 29.03E–.02 8–8 80 0-2
DDA III 17 14 43 19.7 39.11N 29.02E 8 3.0 ¶13436543
ISCJB III 17 14 43 20.1–.40 39.11N–.02 29.03E–.02 2–5 3.0
ISK III 17 14 43 20.0 39.12N 29.04E 5 2.9
CSEM III 17 14 43 20.4–.08 39.12N 29.04E 2 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=2.1.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=7.0.
ISC III 17 15 54 20.4–.93 37.23N–.03 28.18E–.02 10–8 43 0-2
ISCJB III 17 15 54 20.4–.44 37.21N–.04 28.17E–.03 9–6 ¶13436546
ISK III 17 15 54 20.4 37.21N 28.18E 8 1.9L
DDA III 17 15 54 20.2 37.22N 28.17E 7 2.8
CSEM III 17 15 54 20.5–.14 37.23N 28.19E 2 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=3.7km az=18.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=23.0.
ISC III 17 17 13 11.0–1.1 40.40N–.02 37.96E–.02 4–10 104 0-4
ISK III 17 17 13 09.5 40.41N 37.97E 5 3.5 ¶13436548
ISCJB III 17 17 13 10.8–.57 40.40N–.03 37.95E–.02 2–5 3.5
DDA III 17 17 13 10.5 40.39N 37.94E 5 3.6
CSEM III 17 17 13 10.9–.26 40.39N 37.96E 0–2 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=1.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=3.0.
ISC III 17 19 30 55.9–1.1 39.10N–.02 29.15E–.02 3–11 46 0-2
ISK III 17 19 30 55.5 39.07N 29.21E 9 2.8 ¶13436551
ISCJB III 17 19 30 56.1–.45 39.11N–.03 29.10E–.03 5–7 2.8
DDA III 17 19 30 56.1 39.15N 29.08E 7 2.9
CSEM III 17 19 30 56.2–.19 39.10N 29.13E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.4km az=174.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=4.0km az=89.0.
ISC III 17 22 56 24.2–.82 39.00N–.02 27.71E–.02 15–5 61 0-2
ISK III 17 22 56 23.8 39.00N 27.70E 13 2.8 ¶13436557
DDA III 17 22 56 23.4 38.99N 27.72E 19 2.5
ISCJB III 17 22 56 24.1–.40 39.01N–.02 27.71E–.03 11–3 2.5
CSEM III 17 22 56 24.1–.12 39.00N 27.71E 12 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=25.7.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=109.0.
ISC III 17 23 58 06.7–.89 37.90N–.02 27.13E–.03 13–7 68 0-2
DDA III 17 23 58 05.8 37.90N 27.12E 29 3.0 ¶13436561
ISCJB III 17 23 58 06.5–.47 37.90N–.02 27.12E–.05 7–4 3.0
ISK III 17 23 58 06.3 37.92N 27.17E 6 3.0
CSEM III 17 23 58 06.9–.21 37.90N 27.13E 10 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.0km az=162.4.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.2km az=75.0.
ISC III 18 01 08 24.8–.92 39.26N–.02 41.67E–.03 13–7 42 0-2
ISK III 18 01 08 24.9 39.28N 41.58E 8 3.0 ¶13436603
DDA III 18 01 08 24.3 39.25N 41.62E 7 3.1
CSEM III 18 01 08 24.9–.25 39.29N 41.61E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=82.0.
ISC III 18 01 46 28.4–1.0 39.85N–.02 38.63E–.02 8–10 78 0-3
ISK III 18 01 46 27.4 39.85N 38.65E 8 3.3 ¶13436606
ISCJB III 18 01 46 28.1–.45 39.84N–.02 38.66E–.03 5–4 3.3
DDA III 18 01 46 28.1 39.83N 38.65E 7 3.3
CSEM III 18 01 46 28.4–.13 39.84N 38.67E 8 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=173.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=89.0.
ISC III 18 03 57 00.6–.96 39.07N–.02 29.54E–.02 4–8 40 0-2
DDA III 18 03 56 59.9 39.05N 29.55E 6 2.5 ¶13436614
ISCJB III 18 03 57 00.7–.53 39.06N–.03 29.56E–.04 5–8 2.5
ISK III 18 03 57 01.0 39.12N 29.61E 8 2.7
CSEM III 18 03 57 01.2–.18 39.12N 29.57E 5 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.2km az=30.5.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=22.0.
ISK III 18 09 47 05.2 40.81N 27.75E 14 2.8

CSEM III 18 09 47 05.9–.10 40.85N 27.71E 20 2.8 ¶13436632
DDA III 18 09 47 05.9 40.82N 27.78E 7 3.2L,3.0
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=163.0.
DDA Event type ke.
ISC III 18 10 22 29.1–1.0 39.49N–.03 28.16E–.03 13–9 44 0-2
ISCJB III 18 10 22 28.8–.50 39.47N–.03 28.15E–.04 8–6 ¶13436642
ISK III 18 10 22 28.4 39.48N 28.16E 5 2.9
DDA III 18 10 22 28.6 39.49N 28.14E 7 2.8
CSEM III 18 10 22 29.0–.16 39.48N 28.17E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.7km az=43.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=41.0.
ISC III 18 10 47 36.4–.92 37.51N–.02 35.67E–.02 15–7 54 0-3
DDA III 18 10 47 35.8 37.48N 35.69E 27 3.1 ¶13436644
ISCJB III 18 10 47 36.8–.50 37.51N–.03 35.71E–.03 11–4 3.1
ISK III 18 10 47 36.3 37.54N 35.68E 10 2.4L
CSEM III 18 10 47 36.9–.19 37.50N 35.69E 13–1 2.4L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.4km az=157.2.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=13.0.
ISC III 18 11 21 15.7–.96 36.98N–.03 29.21E–.02 11–9 42 0-2
ISK III 18 11 21 14.9 36.98N 29.21E 12 2.8 ¶13436645
DDA III 18 11 21 14.7 36.95N 29.19E 7 3.0
ISCJB III 18 11 21 15.6–.53 36.96N–.03 29.21E–.03 8–5 3.0
CSEM III 18 11 21 15.5–.14 36.97N 29.21E 10 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=174.9.
CSEM Event type ke.
ISC III 18 11 42 14.7–1.2 37.36N–.04 36.42E–.04 6–11 21 0-2
ISK III 18 11 42 13.2 37.57N 36.42E 5 1.7L ¶13436649
CSEM III 18 11 42 14.7–.32 37.37N 36.41E 5 1.7L
DDA III 18 11 42 15.4 37.39N 36.51E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.4km az=37.0.
DDA Event type ke.
ISC III 18 12 53 22.7–1.4 40.81N–.05 34.48E–.05 7–11 21 0-2
DDA III 18 12 53 22.5 40.78N 34.43E 7 2.8 ¶13436652
ISK III 18 12 53 27.0 40.72N 34.90E 6 2.8
CSEM III 18 12 53 27.5–.24 40.70N 34.88E 8 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.9km az=103.0.
ISC III 18 13 33 46.1–.93 38.76N–.06 35.91E–.04 14–7 17 0-2
ISK III 18 13 33 44.4 38.71N 35.69E 5 1.9L ¶13436656
DDA III 18 13 33 46.7 38.68N 35.87E 7 2.9
CSEM III 18 13 33 46.1–.25 38.77N 35.92E 12 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=6.6km az=42.0.
ISC III 18 15 27 55.7–.88 39.48N–.02 27.94E–.02 11–7 96 0-3
ISK III 18 15 27 54.9 39.48N 27.91E 7 3.1 ¶13436670
DDA III 18 15 27 55.0 39.50N 27.94E 7 3.2
ISCJB III 18 15 27 55.3–.39 39.48N–.02 27.94E–.03 6–3 3.2
CSEM III 18 15 27 55.6–.11 39.48N 27.92E 10 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=146.2.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=61.0.
ISC III 18 16 33 37.5–1.0 40.80N–.01 27.74E–.01 10–9 260 0-40
IDC III 18 16 33 32.8–4.0 40.44N 27.22E 0 3.5b,3.4 ¶12703598
SOF III 18 16 33 36.3 40.83N 27.67E 8 3.3,3.4
ATH III 18 16 33 36.9 40.80N 27.86E 33–19 3.7,3.4
ISCJB III 18 16 33 37.5–.28 40.84N–.01 27.73E–.02 11–2 3.5b,3.4
ISK III 18 16 33 37.5 40.80N 27.76E 11 3.7L,3.4
DDA III 18 16 33 38.2 40.81N 27.76E 7 3.6,3.4
CSEM III 18 16 33 38.2–.07 40.81N 27.73E 10 3.7L,3.4
THE III 18 16 33 39.7 40.79N 27.60E 5–2 3.9L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=62.2km s-min=17.5km az=42.0.
ATH Error ellipse: s-maj=5.7km s-min=11.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=4.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=22.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=72.0.
ISC III 18 22 05 34.3–.89 39.02N–.02 41.48E–.03 11–7 40 0-2
ISK III 18 22 05 33.8 39.07N 41.50E 20 2.9 ¶13436689
CSEM III 18 22 05 33.3–.32 38.99N 41.42E 10 2.9
ISCJB III 18 22 05 34.8–.51 39.07N–.03 41.48E–.05 15–4 2.9
DDA III 18 22 05 34.6 39.04N 41.56E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.9km az=42.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.8km az=159.1.
DDA Event type ke.
ISC III 18 22 07 27.7–.90 39.05N–.02 41.56E–.03 10–7 49 0-2
ISK III 18 22 07 26.9 39.03N 41.54E 8 3.0 ¶13436690
ISCJB III 18 22 07 27.6–.60 39.06N–.02 41.56E–.04 5–5 3.0
DDA III 18 22 07 27.7 39.04N 41.47E 7 3.0
CSEM III 18 22 07 27.7–.13 39.07N 41.56E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=158.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=54.0.
ISC III 19 01 18 08.9–1.0 39.36N–.02 39.16E–.03 8–12 34 0-1
ISK III 19 01 18 07.9 39.37N 39.15E 9 2.7 ¶13436700
DDA III 19 01 18 08.8 39.38N 39.15E 7 2.7
ISCJB III 19 01 18 09.1–.51 39.37N–.03 39.17E–.04 8–5 2.7
CSEM III 19 01 18 09.1–.24 39.36N 39.17E 10 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=25.7.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=87.0.
ISC III 19 05 22 19.5–.88 38.50N–.03 39.12E–.02 15–6 34 0-2
DDA III 19 05 22 18.9 38.45N 39.15E 16 2.7 ¶13436711
ISCJB III 19 05 22 19.4–.57 38.48N–.04 39.16E–.04 10–5 2.7
ISK III 19 05 22 19.1 38.51N 39.13E 15 2.7
CSEM III 19 05 22 19.4–.26 38.50N 39.13E 10 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.6km az=154.7.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.8km az=172.0.
ISC III 19 05 38 59.2–.83 38.46N–.02 39.17E–.02 11–6 64 0-2
ISK III 19 05 38 58.4 38.48N 39.16E 3 2.9 ¶15134508
DDA III 19 05 38 58.4 38.46N 39.15E 20 2.9
ISCJB III 19 05 38 59.1–.42 38.47N–.02 39.16E–.03 7–3 2.9
CSEM III 19 05 38 59.1–.20 38.47N 39.16E 2 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=13.7.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=10.0.
ISC III 19 06 04 26.0–.86 38.49N–.03 39.18E–.02 11–6 40 0-1
ISCJB III 19 06 04 25.9–.45 38.47N–.03 39.17E–.03 11–4 ¶13436716
ISK III 19 06 04 25.4 38.47N 39.18E 13 2.8
CSEM III 19 06 04 25.9–.25 38.48N 39.15E 10 2.8
DDA III 19 06 04 26.1 38.47N 39.13E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.3km az=7.6.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.2km az=8.0.
DDA Event type ke.

ISK III 19 07 25 13.1 37.86N 29.05E 21 2.5 ¶13436720
ISK III 19 07 41 11.7 37.89N 29.04E 3 3.2
DDA III 19 07 41 11.9 37.89N 29.03E 11 3.0 ¶13436721
CSEM III 19 07 41 12.3–.12 37.87N 29.04E 2 3.2
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=112.0.
ISC III 19 09 24 57.4–1.1 40.65N–.03 42.51E–.02 4–10 45 0-3
ISK III 19 09 24 56.5 40.68N 42.51E 8 2.6L ¶13436732
TIF III 19 09 24 56.7 40.66N 42.48E 8–3 2.6L
CSEM III 19 09 24 56.8–.33 40.61N 42.50E 2 2.6L
DDA III 19 09 24 57.3 40.64N 42.48E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=6.4km az=3.0.
DDA Event type ke.
ISC III 19 10 24 41.4–1.5 37.08N–.06 37.25E–.05 3–12 18 0-2
ISK III 19 10 24 41.8 37.11N 37.25E 5 2.1L ¶13436739
CSEM III 19 10 24 42.9–.61 37.17N 37.30E 5 2.1L
ISCJB III 19 10 24 43.4–.89 37.14N–.06 37.25E–.07 5–5 2.1L
DDA III 19 10 24 44.6 37.20N 37.22E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.5km s-min=13.6km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=8.3km az=24.9.
DDA Event type ke.
ISC III 19 12 31 16.8–1.2 39.48N–.05 28.20E–.04 12–9 18 0-1
ISK III 19 12 31 15.5 39.52N 28.26E 18 1.8L ¶13436744
DDA III 19 12 31 16.9 39.50N 28.16E 7 2.7
CSEM III 19 12 31 16.4–.46 39.49N 28.20E 8 1.8L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.6km s-min=7.8km az=32.0.
ISK III 19 13 59 37.0 39.95N 28.08E 12 2.1L
CSEM III 19 13 59 37.0 39.95N 28.08E 12 2.1L ¶13436751
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC III 19 15 50 30.8–1.0 39.66N–.02 29.10E–.02 6–10 88 0-2
ISK III 19 15 50 29.9 39.67N 29.11E 5 2.9 ¶13436754
ISCJB III 19 15 50 30.1–.43 39.66N–.02 29.10E–.03 1–4 2.9
DDA III 19 15 50 30.5 39.65N 29.08E 7 3.2L
CSEM III 19 15 50 30.6–.10 39.65N 29.10E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=140.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=53.0.
ISC III 19 15 52 57.6–.88 37.19N–.03 28.16E–.02 9–7 50 0-2
ISCJB III 19 15 52 57.5–.43 37.20N–.04 28.17E–.03 7–6 ¶13436755
ISK III 19 15 52 57.1 37.20N 28.16E 9 3.0
DDA III 19 15 52 57.8 37.23N 28.16E 7 3.0L
CSEM III 19 15 52 57.6–.12 37.19N 28.17E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.9km az=22.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=14.0.
ISC III 19 16 44 29.0–.96 38.59N–.03 27.02E–.03 13–7 61 0-2
ISK III 19 16 44 27.8 38.62N 26.99E 4 3.0 ¶13436758
DDA III 19 16 44 28.7 38.60N 27.03E 7 2.4L
CSEM III 19 16 44 29.3–.15 38.60N 27.02E 12 3.0
ISCJB III 19 16 44 29.1–.52 38.61N–.02 27.03E–.04 8–4 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC III 19 18 24 31.1–1.4 39.40N–.02 27.97E–.02 8–12 62 0-2
ISK III 19 18 24 31.5 39.39N 27.98E 10 2.9 ¶13436761
ISCJB III 19 18 24 32.0–.40 39.39N–.02 27.98E–.03 8–4 2.9
DDA III 19 18 24 32.0 39.41N 27.97E 7 2.6L
CSEM III 19 18 24 32.1–.11 39.38N 27.99E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=10.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=104.0.
ISC III 19 23 55 37.0–1.1 37.84N–.02 30.74E–.02 4–9 71 0-3
ISK III 19 23 55 36.5 37.84N 30.73E 8 3.0 ¶13436771
DDA III 19 23 55 36.4 37.85N 30.75E 5 3.0
CSEM III 19 23 55 36.8–.10 37.83N 30.74E 5 3.0
ISCJB III 19 23 55 36.6–.62 37.82N–.03 30.75E–.04 1–6 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC III 20 00 06 15.0–.95 39.66N–.02 29.10E–.02 12–8 61 0-1
ISK III 20 00 06 14.4 39.65N 29.09E 11 2.6 ¶13436772
DDA III 20 00 06 14.8 39.64N 29.09E 7 3.2L
CSEM III 20 00 06 14.9–.10 39.66N 29.10E 10 2.6
ISCJB III 20 00 06 14.7–.42 39.66N–.02 29.10E–.03 4–5 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC III 20 02 05 06.2–.81 39.43N–.01 26.30E–.02 18–5 272 0-7
ISK III 20 02 05 04.8 39.42N 26.33E 10 3.5 ¶13436779
DDA III 20 02 05 05.0 39.45N 26.32E 26 3.9L
ATH III 20 02 05 05.5 39.38N 26.26E 26–2 2.9L
CSEM III 20 02 05 05.9–.06 39.42N 26.30E 12 2.9L
ISCJB III 20 02 05 06.1–.27 39.43N–.01 26.28E–.02 22–2 2.9L
THE III 20 02 05 07.4 39.40N 26.23E 17–1 3.0L
SOF III 20 02 05 08.6 39.69N 26.23E 13 2.7
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=155.4.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=112.0.
ISC III 20 02 13 14.3–.96 39.46N–.02 26.35E–.04 9–11 42 0-2
ISCJB III 20 02 13 13.8–.68 39.46N–.03 26.38E–.07 2–7 ¶13436780
ISK III 20 02 13 14.4 39.50N 26.39E 6 2.9
CSEM III 20 02 13 14.0–.12 39.45N 26.38E 5 1.7L
THE III 20 02 13 15.2 39.41N 26.30E 9–1 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=3.7km az=14.4.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.3km az=105.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=209.0.
ISC III 20 02 21 38.6–1.3 41.40N–.05 39.79E–.02 12–9 68 0-3
ISK III 20 02 21 38.0 41.36N 39.79E 13 3.0L ¶15134532
CSEM III 20 02 21 39.6–.35 41.41N 39.81E 20 2.9
DDA III 20 02 21 40.9 41.33N 39.49E 8 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.7km az=177.0.
DDA Event type ke.
ISC III 20 05 07 17.3–2.4 37.82N–.08 43.80E–.10 2–15 16 0-5
DDA III 20 05 07 18.6 37.73N 43.68E 4 3.1 ¶15134530
ISC Event type ke.
DDA Event type ke.
ISC III 20 07 42 56.1–.87 40.73N–.03 30.66E–.03 15–7 42 0-2
ISK III 20 07 42 55.8 40.72N 30.64E 14 2.8 ¶13436804
DDA III 20 07 42 55.9 40.77N 30.60E 7 2.6
ISCJB III 20 07 42 56.1–.55 40.74N–.04 30.64E–.03 11–5 2.6
CSEM III 20 07 42 56.0–.23 40.75N 30.67E 12 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=13.1.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=29.0.

DDA III 20 10 02 36.7 41.00N 27.37E 7 2.7
¶15134526
DDA Event type ke.
DDA III 20 10 07 42.6 37.27N 28.00E 7 2.8
¶15134525
DDA Event type ke.
ISK III 20 12 41 51.6 40.14N 27.34E 13 1.7L
CSEM III 20 12 41 51.6 40.14N 27.34E 13 1.7L ¶13436840
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC III 20 12 44 52.6–.92 40.15N–.03 27.39E–.05 17–10 22 0-1
ISCJB III 20 12 44 52.7–.56 40.15N–.04 27.38E–.06 10–7 ¶15134517
DDA III 20 12 44 52.1 40.14N 27.37E 7 3.0
CSEM III 20 12 44 52.1 40.14N 27.37E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.7km az=140.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC III 20 13 55 16.1–.89 39.09N–.02 29.04E–.02 13–8 58 0-2
ISCJB III 20 13 55 15.7–.46 39.09N–.03 29.03E–.03 2–6 ¶13436843
ISK III 20 13 55 15.4 39.08N 29.04E 5 2.8
DDA III 20 13 55 15.6 39.10N 29.02E 7 2.9
CSEM III 20 13 55 16.0–.09 39.09N 29.04E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=165.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=162.0.
ISC III 20 23 15 47.7–.94 39.14N–.02 28.23E–.02 13–9 83 0-2
ISCJB III 20 23 15 47.4–.36 39.14N–.02 28.24E–.03 10–4 ¶13436866
ISK III 20 23 15 47.0 39.13N 28.26E 13 3.2
ATH III 20 23 15 47.5 38.93N 28.08E 5–3 3.3
DDA III 20 23 15 47.5 39.14N 28.24E 7 2.9
CSEM III 20 23 15 47.7–.12 39.14N 28.22E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=155.9.
ATH Error ellipse: s-maj=2.8km s-min=2.5km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=144.0.
ISC III 21 00 57 30.6–1.2 38.16N–.03 42.56E–.02 14–10 42 0-3
ISK III 21 00 57 27.8 38.09N 42.46E 5 3.1 ¶13436871
ISCJB III 21 00 57 30.9–.57 38.17N–.04 42.55E–.03 11–6 3.1
CSEM III 21 00 57 30.6–.23 38.20N 42.58E 20 2.8
DDA III 21 00 57 30.1 38.19N 42.54E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.1km az=6.4.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.9km az=10.0.
DDA Event type ke.
ISC III 21 04 09 38.5–1.0 39.39N–.02 27.99E–.03 13–10 42 0-1
ISCJB III 21 04 09 38.7–.43 39.38N–.02 27.99E–.03 9–6 ¶13436884
ISK III 21 04 09 38.4 39.38N 27.99E 11 2.7
DDA III 21 04 09 38.4 39.41N 27.99E 7 2.9
CSEM III 21 04 09 38.7–.12 39.38N 27.99E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=179.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=91.0.
ISC III 21 11 33 34.3–1.0 38.40N–.04 39.03E–.03 14–7 26 0-1
ISCJB III 21 11 33 34.3–.70 38.37N–.05 39.03E–.05 13–6 ¶13436924
ISK III 21 11 33 34.1 38.39N 39.01E 8 2.8
DDA III 21 11 33 34.6 38.37N 38.99E 7 2.1
CSEM III 21 11 33 34.0–.16 38.40N 39.03E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.7km az=158.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=155.0.
ISC III 21 14 00 37.1–.97 39.37N–.03 27.98E–.03 11–9 44 0-2
ISK III 21 14 00 35.8 39.38N 27.95E 5 2.2L ¶13436936
DDA III 21 14 00 36.6 39.39N 28.00E 7 2.8
ISCJB III 21 14 00 37.1–.49 39.38N–.02 27.98E–.04 3–7 2.8
CSEM III 21 14 00 37.2–.17 39.37N 27.99E 5 2.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=179.5.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=80.0.
ISC III 21 15 42 40.8–1.2 39.23N–.03 40.93E–.03 5–11 34 0-2
CSEM III 21 15 42 40.3–.31 39.15N 40.91E 2 3.0 ¶13436941
ISCJB III 21 15 42 41.9–.56 39.27N–.03 40.93E–.04 6–7 3.0
ISK III 21 15 42 41.2 39.24N 40.95E 14 3.0
DDA III 21 15 42 41.7 39.25N 40.99E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.3km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=4.3.
DDA Event type ke.
ISC III 21 15 47 00.8–.98 39.45N–.03 28.17E–.03 11–9 38 0-1
ISCJB III 21 15 47 00.7–.47 39.45N–.03 28.17E–.04 6–7 ¶13436942
ISK III 21 15 47 00.1 39.42N 28.16E 12 2.7
DDA III 21 15 47 00.4 39.47N 28.15E 7 2.7
CSEM III 21 15 47 00.6–.14 39.46N 28.16E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=40.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=40.0.
ISC III 21 19 21 06.5–.98 39.38N–.04 28.00E–.04 17–10 30 0-1
ISK III 21 19 21 04.7 39.30N 27.88E 13 2.1L ¶13436954
ISCJB III 21 19 21 06.9–.63 39.39N–.03 27.98E–.06 22–9 2.1L
DDA III 21 19 21 06.6 39.41N 27.97E 7 2.8
CSEM III 21 19 21 06.5–.22 39.38N 27.97E 23–3 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=150.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.3km az=61.0.
ISC III 21 21 48 40.9–1.0 39.44N–.02 26.25E–.02 7–9 103 0-7
ISK III 21 21 48 39.7 39.40N 26.10E 6 3.2 ¶13436973
ATH III 21 21 48 40.3 39.47N 26.30E 5–2 3.2
DDA III 21 21 48 40.7 39.43N 26.23E 5 3.1
ISCJB III 21 21 48 41.4–.53 39.43N–.02 26.24E–.03 4–4 3.1
CSEM III 21 21 48 41.9–.20 39.42N 26.28E 2 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=2.2km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=144.8.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=51.0.
ISC III 21 22 59 05.5–.83 40.13N–.02 28.95E–.02 11–5 64 0-2
DDA III 21 22 59 05.0 40.12N 28.93E 11 3.0 ¶13436977
ISCJB III 21 22 59 05.4–.38 40.13N–.02 28.94E–.04 4–5 3.0
ISK III 21 22 59 05.1 40.14N 28.93E 6 2.8
CSEM III 21 22 59 05.5–.12 40.12N 28.97E 2 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=29.4.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=114.0.
ISC III 22 00 53 21.7–1.0 37.93N–.02 29.11E–.02 4–8 3.3b 146 0-55
ISK III 22 00 53 20.2 37.91N 29.13E 5 3.3L ¶12635241
IDC III 22 00 53 20.4–1.1 37.94N 29.06E 0 3.6b,3.6
ISCJB III 22 00 53 21.4–.44 37.91N–.02 29.13E–.03 6–4 3.5b,3.6
DDA III 22 00 53 21.1 37.92N 29.11E 9 4.0L,3.8
CSEM III 22 00 53 21.6–.11 37.90N 29.12E 2 3.3L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=19.4km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=5.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=98.0.

ISC III 22 02 25 42.7–1.2 39.70N–.02 38.64E–.04 0–12 32 0-2
ISCJB III 22 02 25 42.9–.58 39.68N–.03 38.70E–.05 3–7 ¶13436982
ISK III 22 02 25 42.0 39.74N 38.60E 4 2.9
DDA III 22 02 25 42.5 39.65N 38.74E 7 2.8
CSEM III 22 02 25 42.9–.34 39.69N 38.68E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.4km az=18.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=5.8km az=103.0.
ISC III 22 02 31 53.2–.86 38.34N–.02 38.94E–.02 12–6 113 0-33
IDC III 22 02 31 50.5–3.1 37.56N 38.83E 0 3.5b,3.5 ¶12635248
DDA III 22 02 31 53.0 38.35N 38.96E 19 4.0L,3.5
ISK III 22 02 31 52.5 38.35N 38.92E 5 3.5L,3.5
CSEM III 22 02 31 53.8–.16 38.30N 38.94E 2 4.0L,3.5
NSSC III 22 02 31 53.3–9.6 35.57N 41.67E 0–131 3.2L,2.1
ISC Event type ke.
IDC Error ellipse: s-maj=48.0km s-min=25.6km az=1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=168.0.
NSSC Error ellipse: s-maj=83.8km s-min=243.9km az=-1.0.
ISC III 22 02 48 41.2–.92 38.32N–.03 38.96E–.02 12–7 36 0-2
ISK III 22 02 48 40.8 38.32N 38.97E 8 2.7 ¶13436983
ISCJB III 22 02 48 41.3–.57 38.33N–.04 38.93E–.03 7–5 2.7
DDA III 22 02 48 41.4 38.34N 38.92E 10 2.9
CSEM III 22 02 48 41.3–.19 38.34N 38.95E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.4km az=6.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=1.0.
ISC III 22 03 18 15.4–.99 39.36N–.03 27.96E–.03 12–10 36 0-1
ISK III 22 03 18 14.7 39.36N 27.96E 12 2.7 ¶13436984
ISCJB III 22 03 18 15.4–.54 39.37N–.03 27.97E–.05 7–7 2.7
DDA III 22 03 18 15.4 39.39N 27.96E 7 2.9
CSEM III 22 03 18 15.4–.15 39.37N 27.97E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=163.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=65.0.
ISC III 22 05 41 27.0–.91 37.90N–.02 29.11E–.02 9–7 134 0-3
ISK III 22 05 41 26.3 37.88N 29.14E 5 3.3L ¶13436991
DDA III 22 05 41 26.4 37.93N 29.11E 12 3.9L
CSEM III 22 05 41 26.8–.12 37.89N 29.12E 2 3.3L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=109.0.
ISC III 22 06 55 14.3–.96 37.91N–.03 29.12E–.05 11–8 28 0-2
ISK III 22 06 55 13.1 37.92N 29.16E 5 2.7 ¶13436998
ISCJB III 22 06 55 14.5–.60 37.92N–.03 29.12E–.06 1–9 2.7
DDA III 22 06 55 14.1 37.91N 29.11E 7 2.7
CSEM III 22 06 55 14.3–.16 37.91N 29.14E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.5km az=7.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=105.0.
ISC III 22 10 05 11.8–1.1 37.17N–.02 37.05E–.03 4–10 41 0-2
ISK III 22 10 05 11.7 37.18N 37.11E 5 2.7 ¶13437012
DDA III 22 10 05 11.6 37.16N 37.08E 15 2.8
CSEM III 22 10 05 12.2–.29 37.14N 37.08E 5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.7km az=119.0.
ISC III 22 15 37 10.6–.99 40.61N–.03 28.93E–.04 7–8 29 0-1
DDA III 22 15 37 10.0 40.60N 28.92E 9 2.6 ¶13437037
ISCJB III 22 15 37 10.7–.74 40.62N–.04 28.94E–.06 7–5 2.6
ISK III 22 15 37 10.2 40.59N 28.97E 5 2.5
CSEM III 22 15 37 10.5–.19 40.63N 28.94E 8 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.2km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=132.0.
ISC III 22 16 37 47.3–.91 40.61N–.03 29.14E–.03 14–6 30 0-1
ISCJB III 22 16 37 47.7–.61 40.62N–.04 29.14E–.04 11–5 ¶13437043
ISK III 22 16 37 47.0 40.56N 29.12E 17 2.5
DDA III 22 16 37 47.6 40.61N 29.12E 7 2.2
CSEM III 22 16 37 47.4–.27 40.62N 29.13E 15 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.6km az=173.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=5.3km az=161.0.
ISC III 22 19 23 35.5–.81 37.48N–.02 35.73E–.02 13–5 108 0-5
DDA III 22 19 23 32.5 37.48N 35.54E 33 3.8L ¶13437050
ISK III 22 19 23 34.7 37.54N 35.71E 10 3.6
ISCJB III 22 19 23 35.2–.44 37.50N–.02 35.71E–.03 12–3 3.6
CSEM III 22 19 23 35.8–.15 37.46N 35.75E 15 3.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=30.8.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=35.0.
ISC III 23 01 22 05.7–1.1 37.55N–.05 35.65E–.04 13–7 19 0-1
ISK III 23 01 22 05.6 37.56N 35.65E 6 2.6 ¶13437057
CSEM III 23 01 22 06.5–.19 37.56N 35.72E 12 2.6
DDA III 23 01 22 07.4 37.59N 35.58E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=165.0.
DDA Event type ke.
ISC III 23 01 58 49.2–.93 37.53N–.04 35.68E–.03 11–6 35 0-2
ISK III 23 01 58 48.5 37.54N 35.68E 4 3.1 ¶13437060
ISCJB III 23 01 58 49.2–.64 37.54N–.04 35.65E–.05 6–7 3.1
CSEM III 23 01 58 49.4–.21 37.52N 35.64E 8 3.1
DDA III 23 01 58 50.3 37.48N 35.67E 7 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=6.1km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=16.0.
DDA Event type ke.
ISC III 23 02 08 07.9–1.0 40.80N–.03 38.51E–.02 6–9 57 0-3
ISK III 23 02 08 07.1 40.80N 38.48E 5 3.2 ¶13437062
DDA III 23 02 08 07.2 40.79N 38.51E 12 3.1
CSEM III 23 02 08 07.6–.15 40.80N 38.51E 2 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=3.0.
ISC III 23 07 42 56.8–.95 38.72N–.02 40.31E–.03 27–8 53 0-6
ISK III 23 07 42 54.7 38.72N 40.30E 9 3.0 ¶13437083
ISCJB III 23 07 42 56.9–.40 38.76N–.03 40.30E–.04 22–5 3.0
DDA III 23 07 42 56 38.75N 40.32E 7 3.0
CSEM III 23 07 42 56.3–.26 38.68N 40.38E 20 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=12.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.9km az=129.0.
ISC III 23 10 57 27.1–.93 39.45N–.02 28.14E–.02 13–8 53 0-2
ISCJB III 23 10 57 26.9–.57 39.43N–.03 28.13E–.04 4–5 ¶13437095
ISK III 23 10 57 26.6 39.43N 28.14E 11 2.8
DDA III 23 10 57 26.8 39.47N 28.16E 7 2.8
CSEM III 23 10 57 27.2–.13 39.45N 28.14E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=44.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=44.0.
ISC III 23 13 27 42.2–1.0 41.33N–.03 35.85E–.02 13–9 51 0-3
ISK III 23 13 27 40.8 41.43N 35.93E 8 2.8 ¶13437107

ISCJB III 23 13 27 41.8–.79 41.40N–.04 35.86E–.04 2–6 2.8
DDA III 23 13 27 41.4 41.40N 35.82E 11 3.3
CSEM III 23 13 27 42.3–.31 41.35N 35.85E 5 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.9km az=28.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=4.4km az=25.0.
ISC III 23 14 30 22.2–.89 40.17N–.03 30.02E–.02 10–7 43 0-2
ISCJB III 23 14 30 22.0–.46 40.16N–.03 30.03E–.04 3–6 ¶13437112
ISK III 23 14 30 21.9 40.20N 30.02E 4 2.5
DDA III 23 14 30 21.2 40.09N 29.94E 7 2.7
CSEM III 23 14 30 22.2–.13 40.17N 30.04E 5 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=29.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=21.0.
ISC III 23 18 37 54.1–1.2 37.59N–.04 29.60E–.06 11–13 19 0-1
DDA III 23 18 37 53.5 37.60N 29.63E 7 2.8 ¶13437121
CSEM III 23 18 37 53.9–.19 37.57N 29.57E 15 2.6
ISK III 23 18 37 54.2 37.62N 29.63E 21 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=53.0.
ISC III 23 21 55 56.7–1.0 39.92N–.03 39.69E–.03 16–8 26 0-1
ISCJB III 23 21 55 56.9–.84 39.91N–.04 39.70E–.06 19–16 ¶13437131
ISK III 23 21 55 56.1 39.93N 39.68E 12 2.6
CSEM III 23 21 55 56.6–.41 39.92N 39.70E 15 3.0
DDA III 23 21 56 00.1 40.07N 39.55E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.9km az=23.9.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.5km az=135.0.
DDA Event type ke.
ISC III 23 23 20 55.7–.92 37.32N–.03 37.14E–.03 9–8 36 0-2
ISCJB III 23 23 20 55.7–.57 37.30N–.04 37.12E–.04 6–6 ¶13437135
ISK III 23 23 20 55.2 37.32N 37.13E 5 2.7
DDA III 23 23 20 55.2 37.33N 37.12E 7 3.0
CSEM III 23 23 20 55.7–.13 37.32N 37.15E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.8km az=30.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=53.0.
ISC III 24 02 43 52.2–.90 39.93N–.03 39.19E–.03 13–9 44 0-2
ISK III 24 02 43 51.6 39.96N 39.21E 8 2.8 ¶13437143
DDA III 24 02 43 51.9 39.92N 39.16E 11 3.0
ISCJB III 24 02 43 52.1–.48 39.95N–.03 39.19E–.04 5–5 3.0
CSEM III 24 02 43 52.2–.20 39.95N 39.20E 2 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=31.1.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=123.0.
ISC III 24 04 10 03.2–.96 39.52N–.03 28.59E–.02 8–7 38 0-1
ISK III 24 04 10 02.6 39.51N 28.61E 10 2.4 ¶13437149
DDA III 24 04 10 03 39.51N 28.57E 9 2.8
CSEM III 24 04 10 03.4–.11 39.52N 28.59E 0–2 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=86.0.
ISC III 24 10 37 04.0–1.2 39.02N–.02 41.88E–.02 5–11 74 0-4
ISK III 24 10 37 03.0 39.04N 41.88E 5 3.5 ¶13437180
TIF III 24 10 37 03.5 39.05N 41.87E 22–1 3.5
CSEM III 24 10 37 03.9–.19 39.05N 41.90E 2 3.5
DDA III 24 10 37 04.5 39.04N 41.85E 14 3.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.3km az=3.0.
DDA Event type ke.
ISC III 24 10 40 01.7–1.1 39.01N–.02 41.88E–.02 8–10 50 0-2
TIF III 24 10 39 59.9 38.93N 41.98E 17–6 ¶13437181
ISK III 24 10 40 00.6 38.95N 41.87E 8 3.1
ISCJB III 24 10 40 01.4–.70 39.03N–.02 41.94E–.04 2–6 3.1
DDA III 24 10 40 01.7 39.00N 41.83E 7 3.1
CSEM III 24 10 40 01.7–.20 39.05N 41.94E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=153.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=35.0.
ISC III 24 10 41 01.9–.98 37.34N–.03 37.16E–.03 7–8 36 0-2
ISK III 24 10 41 01.0 37.35N 37.18E 6 2.9 ¶13437182
DDA III 24 10 41 01.5 37.32N 37.12E 1 3.2,3.2L
ISCJB III 24 10 41 02.3–.51 37.31N–.04 37.13E–.04 7–5 3.2,3.2L
CSEM III 24 10 41 02.1–.24 37.31N 37.17E 10 2.9,3.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=12.2.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.7km az=174.0.
ISC III 24 13 33 25.7–.92 39.12N–.02 29.02E–.02 11–8 56 0-2
ISCJB III 24 13 33 25.3–.48 39.11N–.03 29.03E–.03 4–6 ¶13437197
ISK III 24 13 33 25.2 39.10N 29.02E 9 2.7
DDA III 24 13 33 25.1 39.11N 29.03E 7 2.9
CSEM III 24 13 33 25.5–.06 39.12N 29.02E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=176.8.
DDA Event type ke.
CSEM Event type ke.
ISC III 24 14 35 05.7–.86 37.77N–.03 27.37E–.03 11–7 42 0-2
ISCJB III 24 14 35 05.8–.48 37.74N–.03 27.36E–.05 13–4 ¶13437199
ISK III 24 14 35 05.1 37.80N 27.54E 5 2.7
DDA III 24 14 35 05.4 37.75N 27.38E 7 2.8
CSEM III 24 14 35 05.7–.28 37.77N 27.38E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.3km az=159.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.8km az=72.0.
ISK III 24 18 15 53.1 41.06N 33.93E 10 2.6
CSEM III 24 18 15 53.1 41.06N 33.93E 10 2.6 ¶13437208
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC III 24 21 33 47.2–1.1 37.34N–.04 38.35E–.03 6–10 30 0-3
ISK III 24 21 33 46.5 37.35N 38.36E 2 2.9 ¶13437217
ISCJB III 24 21 33 47.1–.98 37.34N–.05 38.36E–.04 3–9 2.9
CSEM III 24 21 33 47.1–.28 37.33N 38.37E 2 2.9
DDA III 24 21 33 48.2 37.36N 38.24E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.7km az=165.0.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=4.5km az=153.0.
DDA Event type ke.
ISC III 24 22 57 43.2–.96 37.65N–.03 38.73E–.03 16–7 36 0-2
ISK III 24 22 57 42.2 37.65N 38.74E 21 2.6 ¶13437219
DDA III 24 22 57 43.0 37.67N 38.74E 7 2.8
ISCJB III 24 22 57 43.4–.60 37.67N–.03 38.72E–.04 9–5 2.8
CSEM III 24 22 57 43.4–.32 37.66N 38.72E 12 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=5.0km az=34.7.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=6.3km az=86.0.
ISC III 25 05 01 29.1–.90 38.63N–.02 27.20E–.03 17–7 44 0-2
ISK III 25 05 01 28.7 38.63N 27.19E 19 2.7 ¶13437236
DDA III 25 05 01 29.0 38.64N 27.21E 13 2.7
ISCJB III 25 05 01 29.5–.59 38.64N–.03 27.19E–.05 12–4 2.7
CSEM III 25 05 01 29.4–.16 38.64N 27.18E 15 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=11.1.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=101.0.
ISK III 25 07 57 07.1 38.69N 39.11E 18 2.5
DDA III 25 07 57 06.9 38.68N 39.14E 7 3.0 ¶13437252
CSEM III 25 07 57 06.1–.50 38.63N 39.22E 20 3.0
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=6.5km az=125.0.
ISC III 25 10 21 11.2–1.1 37.70N–.03 38.12E–.05 8 21 0-1
ISK III 25 10 21 10.1 37.68N 38.16E 5 2.6 ¶13437269
CSEM III 25 10 21 10.8–.28 37.69N 38.11E 15 2.6
ISCJB III 25 10 21 11.1–.64 37.71N–.03 38.08E–.06 8 2.6
DDA III 25 10 21 11.6 37.69N 38.10E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.1km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.4km az=3.7.
DDA Event type ke.
ISC III 25 10 46 52.5–.85 39.15N–.03 29.52E–.03 10–5 34 0-2
ISCJB III 25 10 46 52.6–.51 39.15N–.03 29.51E–.04 10–4 ¶13437273
ISK III 25 10 46 52.8 39.20N 29.56E 11 2.6
CSEM III 25 10 46 52.6–.15 39.15N 29.52E 8 2.9
DDA III 25 10 46 53.4 39.10N 29.44E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=5.1km az=153.7.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=48.0.
DDA Event type ke.
ISC III 25 12 20 29.6–1.2 37.22N–.04 30.43E–.03 100–7 85 0-8
DDA III 25 12 20 28.9 37.25N 30.51E 30 3.2 ¶13437278
ISCJB III 25 12 20 28.8–.47 37.18N–.03 30.43E–.04 108–5 3.2
ISK III 25 12 20 29.5 37.22N 30.46E 97 3.1
CSEM III 25 12 20 30.4–.18 37.23N 30.44E 94–2 3.2
ATH III 25 12 20 39.8 35.54N 29.95E 32 3.0
HLW III 25 12 20 40.1 36.29N 30.56E 23–16 3.3L,0.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.8km az=168.4.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=170.0.
DDA III 25 21 57 10.5 37.77N 33.88E 7 2.6
ISK III 25 21 57 09.7 37.79N 33.83E 5 2.6 ¶13437314
CSEM III 25 21 57 10.3–.23 37.81N 33.83E 5 2.6
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=41.0.
ISC III 25 22 14 56.7–1.1 38.13N–.03 39.22E–.02 8–10 50 0-6
ISCJB III 25 22 14 56.5–.60 38.13N–.03 39.19E–.03 3–6 ¶13437319
ISK III 25 22 14 56.1 38.13N 39.17E 3 3.1
DDA III 25 22 14 56.4 38.11N 39.20E 7 3.3
CSEM III 25 22 14 56.7–.19 38.14N 39.21E 2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=6.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=170.0.
ISC III 25 22 27 50.8–1.1 37.84N–.04 29.11E–.06 6–12 19 0-2
ISK III 25 22 27 50.6 37.83N 29.11E 4 2.6 ¶13437320
DDA III 25 22 27 50.5 37.83N 29.09E 7 2.8
ISCJB III 25 22 27 51.2–.66 37.82N–.04 29.10E–.08 5–10 2.8
CSEM III 25 22 27 51.2–.18 37.82N 29.13E 4–2 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.4km az=21.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.0km az=119.0.
ISC III 25 22 59 33.1–1.1 38.42N–.03 39.43E–.02 7–12 51 0-4
ISK III 25 22 59 31.7 38.44N 39.40E 5 3.2 ¶13437323
ISCJB III 25 22 59 32.6–.57 38.41N–.03 39.44E–.03 3–6 3.2
DDA III 25 22 59 32.1 38.45N 39.46E 7 3.5L
CSEM III 25 22 59 32.8–.18 38.40N 39.41E 2 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=9.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=179.0.
ISC III 26 03 41 08.5–1.2 37.79N–.05 29.05E–.07 14–7 20 0-1
ISK III 26 03 41 07.9 37.80N 29.04E 15 2.6 ¶13437337
ISCJB III 26 03 41 08.3–.72 37.82N–.06 28.98E–.09 11–9 2.6
DDA III 26 03 41 08.9 37.81N 29.05E 7 2.6
CSEM III 26 03 41 08.2–.20 37.78N 29.04E 12 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=6.1km az=38.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=3.6km az=122.0.
ISC III 26 10 07 28.8–1.0 39.97N–.03 41.41E–.03 4–9 49 0-3
ISCJB III 26 10 07 28.9–.51 39.97N–.03 41.37E–.03 4–4 ¶13437356
CSEM III 26 10 07 28.0–.28 39.94N 41.40E 0–2 2.9
DDA III 26 10 07 28.4 39.95N 41.41E 18 2.9
ISK III 26 10 07 28.0 39.93N 41.36E 4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=142.9.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=136.0.
DDA Event type ke.
ISC III 27 06 26 06.2–1.2 39.56N–.02 39.91E–.02 0–11 48 0-2
ISK III 27 06 26 05.2 39.59N 39.92E 2 2.8 ¶13437417
ISCJB III 27 06 26 06.1–.50 39.58N–.03 39.91E–.03 0–6 2.8
DDA III 27 06 26 06.1 39.53N 39.88E 7 3.1
CSEM III 27 06 26 06.3–.13 39.58N 39.90E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=41.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=111.0.
ISC III 27 07 00 22.0–1.1 37.61N–.04 36.12E–.03 7–10 36 0-2
ISCJB III 27 07 00 22.4–.76 37.65N–.05 36.15E–.03 5–6 ¶13437419
ISK III 27 07 00 22.1 37.58N 36.18E 17 2.9
CSEM III 27 07 00 22.2–.25 37.63N 36.14E 8 2.9
DDA III 27 07 00 23.0 37.56N 36.16E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.2km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.0km az=1.0.
DDA Event type ke.
ISK III 27 10 27 11.6 37.14N 37.24E 5 2.5
CSEM III 27 10 27 11.6–.92 37.09N 37.24E 2 2.5 ¶13437436
CSEM Event type ke. Error ellipse: s-maj=24.5km s-min=15.4km az=26.0.
ISC III 27 10 28 18.9–.89 39.56N–.02 38.68E–.03 10–7 59 0-3
ISCJB III 27 10 28 18.7–.49 39.57N–.02 38.66E–.04 9–4 ¶13437437
ISK III 27 10 28 18.3 39.56N 38.66E 12 3.2
DDA III 27 10 28 18.2 39.57N 38.64E 7 3.5L,3.2
CSEM III 27 10 28 18.7–.15 39.57N 38.68E 10 3.2,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=33.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=109.0.
ISC III 27 13 54 31.2–1.3 41.72N–.06 32.21E–.03 12–12 27 1-4
CSEM III 27 13 54 30.9–.34 41.72N 32.21E 2 2.7 ¶13437461
ISK III 27 13 54 31.8 41.62N 32.21E 8 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=6.4km az=16.0.
ISC III 27 16 07 29.9–.93 38.39N–.03 39.39E–.03 13–6 29 0-1
DDA III 27 16 07 28.5 38.51N 39.45E 7 2.5 ¶13437468
CSEM III 27 16 07 29.7–.25 38.36N 39.36E 16–2 2.5
ISCJB III 27 16 07 30.3–.64 38.41N–.04 39.43E–.04 6–5 2.5
ISK III 27 16 07 30.8 38.45N 39.29E 10 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=6.0km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.5km az=10.4.
ISC III 27 19 19 48.4–1.1 39.35N–.02 42.36E–.02 8–10 44 1-2
ISK III 27 19 19 48.4 39.25N 42.39E 10 2.8 ¶13437473

DDA III 27 19 19 49.0 39.38N 42.35E 7 3.1
CSEM III 27 19 19 48.7–.23 39.31N 42.36E 5 2.8
ISCJB III 27 19 19 49.3–.67 39.34N–.03 42.37E–.04 11–5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC III 28 00 18 13.4–.91 37.90N–.02 29.09E–.04 14–7 32 0-1
ISK III 28 00 18 13.7 37.93N 29.09E 15 2.4 ¶13437480
DDA III 28 00 18 13.2 37.92N 29.04E 16 2.6
ISCJB III 28 00 18 14.1–.51 37.92N–.02 29.06E–.05 8–5 2.6
CSEM III 28 00 18 14.1–.24 37.93N 29.04E 2 2.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.9km az=13.4.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.9km az=103.0.
DDA III 28 04 28 22.1 37.91N 29.06E 7 2.5
¶15134721
DDA Event type ke.
ISC III 28 05 04 49.5–.89 39.08N–.02 26.60E–.02 11–7 112 0-3
DDA III 28 05 04 48.5 39.10N 26.61E 28 3.2 ¶13437493
ISK III 28 05 04 48.8 39.06N 26.61E 16 3.1
CSEM III 28 05 04 49.2–.10 39.08N 26.61E 8 3.2
ATH III 28 05 04 49.4 39.09N 26.53E 23–0 3.3
THE III 28 05 04 49.7 39.05N 26.57E 6–1 2.6L
ISCJB III 28 05 04 49.0–.40 39.07N–.02 26.60E–.02 11–3 2.6L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.
ISC III 28 06 07 06.0–.98 38.71N–.02 38.78E–.02 11–9 96 0-7
ISK III 28 06 07 05.2 38.73N 38.76E 6 3.5 ¶13437495
DDA III 28 06 07 05.9 38.72N 38.73E 11 3.5L
CSEM III 28 06 07 06.1–.21 38.73N 38.80E 2 3.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=107.0.
ISC III 28 09 27 49.7–1.1 40.33N–.02 40.74E–.02 16–9 61 0-2
DDA III 28 09 27 50.0 40.33N 40.73E 22 3.0 ¶13437507
ISCJB III 28 09 27 50.1–.53 40.33N–.03 40.74E–.03 5–5 3.0
ISK III 28 09 27 50.0 40.33N 40.73E 11 2.7
CSEM III 28 09 27 50.4–.14 40.33N 40.74E 15 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=169.9.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=162.0.
ISC III 28 12 02 26.7–1.2 37.91N–.04 29.02E–.05 9–16 22 0-2
ISCJB III 28 12 02 26.8–.67 37.92N–.03 29.03E–.08 4–9 ¶13437521
ISK III 28 12 02 26.1 37.91N 29.04E 5 2.7
DDA III 28 12 02 26.3 37.92N 29.10E 7 2.8
CSEM III 28 12 02 26.7–.12 37.91N 29.04E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.3km az=176.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=92.0.
ISC III 28 14 59 59.5–1.1 40.90N–.04 30.39E–.03 13–8 36 0-2
ISK III 28 14 59 58.9 40.89N 30.39E 8 2.7 ¶13437537
ISCJB III 28 14 59 59.2–.72 40.91N–.05 30.38E–.05 4–7 2.7
CSEM III 28 14 59 59.4–.20 40.90N 30.40E 10 2.7
DDA III 28 15 00 00.1 40.87N 30.38E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.8km az=26.9.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.6km az=27.0.
DDA Event type ke.
ISC III 28 15 10 37.6–1.2 39.45N–.06 26.51E–.06 15–9 30 0-1
ISCJB III 28 15 10 37.4–.97 39.44N–.05 26.47E–.07 8–7 ¶13437538
ISK III 28 15 10 37.4 39.46N 26.52E 11 2.6
DDA III 28 15 10 37.3 39.48N 26.52E 8 2.8
CSEM III 28 15 10 37.0–.37 39.41N 26.46E 11–1 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.0km az=140.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.3km az=51.0.
ISC III 28 18 10 03.9–.93 37.44N–.04 36.36E–.02 17–7 34 0-2
ISK III 28 18 10 03.6 37.38N 36.36E 6 2.6 ¶13437545
CSEM III 28 18 10 04.4–.16 37.41N 36.34E 5 2.8
DDA III 28 18 10 05.0 37.42N 36.43E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.1km az=7.0.
DDA Event type ke.
ISC III 28 18 26 54.3–2.0 39.60N–.09 26.42E–.05 15–14 18 0-1
ISK III 28 18 26 53.9 39.65N 26.51E 5 2.6 ¶13437546
CSEM III 28 18 26 53.8–.88 39.60N 26.40E 5 2.6
ISCJB III 28 18 26 54.3–1.5 39.61N–.08 26.47E–.05 3–15 2.6
DDA III 28 18 26 55.7 39.88N 26.48E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.8km s-min=8.2km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=6.3km az=11.1.
DDA Event type ke.
ISC III 29 16 07 50.0–1.1 37.42N–.02 27.06E–.02 3–10 159 0-4
ATH III 29 16 07 48.9 37.44N 27.11E 18–0 3.5 ¶13437597
ISK III 29 16 07 49.2 37.39N 27.02E 3 3.4
CSEM III 29 16 07 50.4–.11 37.40N 27.02E 5 3.6L
ISCJB III 29 16 07 50.1–.47 37.41N–.02 27.04E–.03 7–3 3.6L
THE III 29 16 07 50.3 37.43N 27.10E 0–1 3.1L
DDA III 29 16 07 51.7 37.51N 27.17E 29 3.6L
ISC Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=170.4.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=73.0.
DDA Event type ke.
ISC III 29 17 05 43.3–.93 39.92N–.01 27.17E–.01 12–7 278 0-40
ATH III 29 17 05 41.8 39.96N 27.23E 22–0 3.4 ¶12635875
IDC III 29 17 05 42.0–1.4 39.87N 27.07E 0 3.2b,3.2
DDA III 29 17 05 42.6 39.93N 27.20E 25 3.7L,3.2
ISK III 29 17 05 42.7 39.94N 27.18E 12 3.5,3.2
ISCJB III 29 17 05 42.7–.37 39.94N–.01 27.15E–.02 11–3 3.1b,3.2
CSEM III 29 17 05 43.1–.05 39.93N 27.16E 8 3.7L,3.2
THE III 29 17 05 44.4 39.90N 27.08E 10–2 3.4L,3.2
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=19.9km s-min=15.5km az=62.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=23.5.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=25.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=108.0.
ISC III 29 23 08 06.0–.92 38.67N–.03 27.72E–.04 16–7 34 0-2
ISK III 29 23 08 05.9 38.67N 27.72E 12 2.6 ¶13437609
DDA III 29 23 08 05.7 38.67N 27.71E 15 2.8
ISCJB III 29 23 08 06.3–.49 38.68N–.04 27.70E–.07 10–6 2.8
CSEM III 29 23 08 06.4–.08 38.67N 27.72E 10 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.0km az=39.1.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=129.0.
ISC III 30 03 30 37.0–1.6 39.10N–.04 26.42E–.07 2–12 20 1-1
DDA III 30 03 30 35.0 39.16N 26.33E 7 2.8 ¶13437621
ISK III 30 03 30 38.3 39.05N 26.50E 19 2.8
CSEM III 30 03 30 38.3–.26 39.04N 26.54E 10 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.2km az=89.0.
ISC III 30 12 57 11.7–.94 37.24N–.04 37.21E–.04 5–9 23 0-2
ISK III 30 12 57 11.4 37.25N 37.24E 5 2.6 ¶13437656
DDA III 30 12 57 12.6 37.24N 37.25E 7 3.1
CSEM III 30 12 57 12.8–.36 37.21N 37.25E 5 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=7.2km az=112.0.
ISC III 30 13 06 04.6–1.3 37.17N–.05 27.90E–.03 13–11 18 0-0
ISK III 30 13 06 03.7 37.11N 27.90E 5 2.2 ¶13437657
ISCJB III 30 13 06 04.9–1.0 37.17N–.09 27.91E–.05 17–19 2.2
DDA III 30 13 06 04.5 37.43N 27.26E 7 2.7
CSEM III 30 13 06 05.1–.35 37.14N 27.91E 5 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=6.2km az=177.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=5.6km az=173.0.
ISC III 30 15 08 19.6–.98 39.12N–.02 29.11E–.02 11–11 38 0-1
ISK III 30 15 08 18.8 39.11N 29.11E 6 2.6 ¶13437663
ISCJB III 30 15 08 19.6–.51 39.12N–.03 29.09E–.04 5–7 2.6
DDA III 30 15 08 19.9 39.09N 29.08E 7 2.9
CSEM III 30 15 08 19.7–.10 39.12N 29.10E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=142.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=90.0.
ISC III 30 15 57 34.0–1.1 39.36N–.04 36.69E–.03 12–11 29 1-2
DDA III 30 15 57 32.9 39.35N 36.72E 7 2.8 ¶13437664
ISK III 30 15 57 33.4 39.34N 36.70E 8 2.7
CSEM III 30 15 57 33.6–.29 39.37N 36.70E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=5.7km az=162.0.
ISC III 30 17 29 37.0–.92 40.20N–.03 27.00E–.03 14–9 41 0-2
ISK III 30 17 29 36.8 40.23N 27.01E 3 2.7 ¶13437667
DDA III 30 17 29 37.0 40.19N 27.02E 7 2.9L
CSEM III 30 17 29 37.5–.11 40.21N 27.01E 2 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=44.0.
DDA III 30 18 19 11.0 37.52N 27.20E 7 2.8
CSEM III 30 18 19 04.2 37.60N 28.61E 2 2.8 ¶13437669
ISK III 30 18 19 04.2 37.60N 28.61E 2 2.8
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC III 30 19 48 12.6–.96 37.89N–.02 27.35E–.02 9–8 69 0-3
ISCJB III 30 19 48 12.9–.46 37.89N–.02 27.35E–.04 3–4 ¶13437671
ISK III 30 19 48 12.3 37.91N 27.34E 5 3.1
ATH III 30 19 48 12.1 37.88N 27.41E 19–2 3.0
DDA III 30 19 48 12.3 37.88N 27.36E 9 3.1
CSEM III 30 19 48 13.0–.19 37.87N 27.32E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=177.0.
ATH Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=73.0.
ISC III 30 20 17 44.2–.84 38.56N–.02 27.23E–.02 12–7 62 0-2
ISK III 30 20 17 43.8 38.56N 27.24E 6 2.8 ¶13437672
DDA III 30 20 17 43.6 38.56N 27.22E 7 3.0
ISCJB III 30 20 17 44.2–.44 38.57N–.03 27.22E–.04 8–5 3.0
CSEM III 30 20 17 44.3–.12 38.56N 27.26E 5 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=113.0.
ISC III 30 21 19 31.9–.88 38.77N–.02 30.44E–.02 12–8 127 0-7
ISK III 30 21 19 30.8 38.78N 30.41E 5 3.3 ¶13437676
DDA III 30 21 19 31.3 38.80N 30.41E 7 3.5,3.5L
CSEM III 30 21 19 32.2–.08 38.78N 30.41E 2 3.3,3.5L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=2.0km az=88.0.
ISC III 31 00 01 23.7–.99 37.90N–.03 27.41E–.04 13–10 26 0-1
ISK III 31 00 01 22.0 37.86N 27.27E 5 2.6 ¶13437680
ISCJB III 31 00 01 23.6–.61 37.90N–.03 27.42E–.06 9–9 2.6
DDA III 31 00 01 23.3 37.92N 27.43E 7 2.8
CSEM III 31 00 01 23.4–.22 37.88N 27.40E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.6km az=152.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=3.6km az=59.0.
ISC III 31 02 44 03.5–.88 38.37N–.02 38.90E–.02 11–7 52 0-7
ISK III 31 02 44 02.7 38.36N 38.92E 10 2.7 ¶13437682
ISCJB III 31 02 44 03.0–.43 38.32N–.03 38.93E–.03 9–4 2.7
DDA III 31 02 44 03.2 38.34N 38.91E 7 3.2L
CSEM III 31 02 44 03.1–.16 38.35N 38.92E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=178.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=171.0.
ISC III 31 05 17 24.7–.97 38.90N–.03 35.63E–.03 8–10 27 0-2
ISK III 31 05 17 24.6 38.95N 35.68E 8 2.7 ¶13437685
DDA III 31 05 17 24.5 38.88N 35.60E 7 2.9
CSEM III 31 05 17 24.3–.23 38.92N 35.63E 2 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.1km az=25.0.
ISC III 31 05 52 07.0–.87 40.25N–.03 27.40E–.04 15–7 30 0-1
ISK III 31 05 52 06.5 40.24N 27.39E 14 2.5 ¶13437688
DDA III 31 05 52 07.0 40.24N 27.38E 9 2.8
ISCJB III 31 05 52 07.2–.50 40.25N–.04 27.39E–.06 9–7 2.8
CSEM III 31 05 52 07.0–.09 40.25N 27.39E 15 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.1km az=139.2.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=1.5km az=53.0.
ISC III 31 06 33 20.5–1.2 40.48N–.02 42.34E–.02 0–11 70 1-2
ISK III 31 06 33 19.5 40.49N 42.36E 5 2.9 ¶13437689
TIF III 31 06 33 19.1 40.51N 42.35E 1–1 2.9
DDA III 31 06 33 20.6 40.49N 42.33E 7 3.3
CSEM III 31 06 33 20.6–.19 40.46N 42.31E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=157.0.
ISC III 31 10 00 26.8–1.4 37.78N–.03 34.60E–.06 5–12 23 0-2
DDA III 31 10 00 25.9 37.81N 34.56E 7 2.9 ¶13437704
ISK III 31 10 00 27.5 37.75N 34.62E 8 2.8L
CSEM III 31 10 00 27.4–.25 37.79N 34.65E 5 2.8L
ISCJB III 31 10 00 27.9–.93 37.78N–.04 34.5E–.10 15–10 2.8L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC III 31 11 21 11.7–.84 39.42N–.02 26.78E–.03 13–6 64 0-2
ISK III 31 11 21 10.6 39.42N 26.74E 5 2.9 ¶13437711
DDA III 31 11 21 11.0 39.43N 26.77E 23 2.9
ISCJB III 31 11 21 11.4–.46 39.43N–.02 26.77E–.03 6–4 2.9
CSEM III 31 11 21 11.4–.18 39.41N 26.75E 8 2.9
ISC Event type ke.

DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=12.5.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=87.0.
ISC III 31 12 37 01.7–.94 39.97N–.03 27.68E–.02 15–6 40 0-1
ISCJB III 31 12 37 01.7–.43 39.99N–.03 27.70E–.04 13–4 **¶13437717**
ISK III 31 12 37 01.2 39.95N 27.66E 12 2.6
CSEM III 31 12 37 01.6–.11 39.96N 27.67E 15 2.6
DDA III 31 12 37 02.1 39.98N 27.75E 7 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=135.9.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=36.0.
DDA Event type ke.
ISC III 31 14 12 13.6–1.2 38.56N–.03 30.22E–.02 2–13 28 0-1
ISK III 31 14 12 12.7 38.56N 30.22E 5 2.4 **¶13437722**
DDA III 31 14 12 13.3 38.56N 30.20E 7 2.6
CSEM III 31 14 12 13.3–.09 38.55N 30.21E 8 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=173.0.
ISC III 31 20 58 11.9–.89 39.16N–.02 29.46E–.02 13–6 64 0-2
ISK III 31 20 58 11.7 39.15N 29.46E 5 2.8 **¶13437732**
DDA III 31 20 58 11.8 39.15N 29.42E 12 3.0
ISCJB III 31 20 58 12.2–.42 39.15N–.03 29.46E–.03 7–4 3.0
CSEM III 31 20 58 12.1–.09 39.16N 29.47E 2 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=8.4.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=5.0.
DDA III 31 22 36 08.4 40.65N 42.58E 7 2.9L,2.8
CSEM III 31 22 36 08.4 40.65N 42.58E 7 2.9L,2.8 **¶15134756**
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC IV 01 02 06 00.4–1.0 39.09N–.02 29.00E–.02 8–11 62 0-2
DDA IV 01 02 05 59.8 39.11N 29.03E 7 2.7 **¶13567812**
CSEM IV 01 02 06 00.6–.10 39.09N 28.98E 5 2.9
ISK IV 01 02 06 00.1 39.07N 28.98E 7 2.9
ISCJB IV 01 02 06 00.2–.43 39.09N–.03 28.99E–.03 3–5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 01 02 07 33.1–.99 39.10N–.02 29.01E–.02 8–11 52 0-2
DDA IV 01 02 07 32.3 39.12N 29.03E 13 2.8 **¶13567813**
ISCJB IV 01 02 07 32.9–.46 39.09N–.03 29.01E–.03 4–6 2.8
CSEM IV 01 02 07 33.2–.09 39.10N 29.02E 5 2.8
ISK IV 01 02 07 33.2 39.06N 29.01E 14 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=9.6.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=25.0.
ISC IV 01 06 04 29.6–1.1 38.10N–.02 27.49E–.02 5–9 104 0-3
ATH IV 01 06 04 27.0 38.12N 27.69E 5–2 3.1 **¶13567816**
ISK IV 01 06 04 28.4 38.09N 27.47E 5 3.1
DDA IV 01 06 04 29.0 38.09N 27.50E 6 3.5L,3.2
CSEM IV 01 06 04 29.6–.14 38.07N 27.46E 2 3.1,3.2
ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=86.0.
ISC IV 01 07 30 34.9–1.1 37.08N–.04 27.96E–.03 9–13 20 0-1
ISK IV 01 07 30 34.6 37.10N 27.92E 5 2.4 **¶13567820**
CSEM IV 01 07 30 35.2–.49 37.08N 27.93E 5 2.4
DDA IV 01 07 30 35.9 37.16N 27.87E 7 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=7.1km az=20.0.
DDA Event type ke.
ISC IV 01 08 51 32.5–.89 39.18N–.02 28.89E–.02 12–8 50 0-2
ISK IV 01 08 51 32.2 39.15N 28.93E 15 2.6 **¶13567821**
DDA IV 01 08 51 32.3 39.19N 28.89E 7 2.8
CSEM IV 01 08 51 32.5–.13 39.19N 28.90E 5 2.8
ISCJB IV 01 08 51 32.2–.47 39.18N–.03 28.90E–.03 3–6 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 01 10 00 29.1–1.1 38.84N–.05 40.02E–.03 13–11 28 0-2
ISK IV 01 10 00 28.4 38.85N 40.02E 5 2.6 **¶13567824**
DDA IV 01 10 00 29.0 38.80N 40.02E 17 2.8
ISCJB IV 01 10 00 29.0–.67 38.82N–.04 40.02E–.03 5–7 2.8
CSEM IV 01 10 00 30.4–.21 38.87N 39.90E 10 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=2.5.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=3.9km az=162.0.
ISC IV 01 11 36 52.8–1.0 38.76N–.03 29.30E–.03 9–12 27 0-2
CSEM IV 01 11 36 52.8–.14 38.76N 29.31E 2 2.8 **¶13567826**
ISK IV 01 11 36 52.3 38.76N 29.28E 5 2.5
DDA IV 01 11 36 52.5 38.75N 29.32E 7 2.8
ISCJB IV 01 11 36 52.6–.55 38.76N–.03 29.31E–.05 4–12 2.8
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 01 13 01 11.7–1.1 41.02N–.05 39.92E–.03 19–2 38 0-2
DDA IV 01 13 01 09.4 41.14N 39.94E 7 2.9 **¶15134790**
CSEM IV 01 13 01 09.4 41.14N 39.94E 7 2.9
ISCJB IV 01 13 01 11.8–.61 41.03N–.05 39.92E–.04 17–6 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. After DDA.
ISCJB Event type ke.
ISC IV 01 18 08 48.8–.90 40.83N–.02 31.07E–.02 11–6 3.5b 315 0-58
ISK IV 01 18 08 47.6 40.84N 31.06E 9 4.0L **¶12934221**
DDA IV 01 18 08 47.9 40.84N 31.11E 29 3.9L
IDC IV 01 18 08 47.0–.98 40.80N 31.22E 0 3.6,3.5
CSEM IV 01 18 08 48.4–.07 40.81N 31.04E 5 3.9L,3.5
ISCJB IV 01 18 08 48.1–.41 40.84N–.01 31.03E–.02 14–3 3.5b,3.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 01 20 58 22.1–1.0 39.82N–.02 43.66E–.02 5–9 110 0-4
NSSP IV 01 20 58 14.8 39.82N 43.53E 10 3.5s **¶13567838**
DDA IV 01 20 58 21.6 39.83N 43.66E 4 4.0L,3.7
ISK IV 01 20 58 22.5 39.73N 43.57E 5 3.7,3.7
CSEM IV 01 20 58 23.5–.18 39.75N 43.64E 2 4.0L,3.7
AZER IV 01 20 58 24.4 39.46N 43.49E 0 4.0L,3.7
TIF IV 01 20 58 24.5 39.82N 43.42E 7–3 4.0L,3.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=141.0.
ISC IV 02 03 32 49.7–.93 40.37N–.02 27.08E–.02 11–9 52 0-2
ISK IV 02 03 32 48.8 40.37N 27.10E 9 2.7 **¶13567840**
DDA IV 02 03 32 49.1 40.34N 27.06E 3 3.1L,3.0
CSEM IV 02 03 32 49.5–.11 40.37N 27.09E 10 2.7,3.0
ISCJB IV 02 03 32 49.3–.44 40.37N–.03 27.10E–.03 6–5 2.7,3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 02 10 10 14.5–.95 37.89N–.02 27.27E–.03 9–9 46 0-2
ISK IV 02 10 10 14.0 37.90N 27.26E 5 2.8 **¶13567845**
DDA IV 02 10 10 14.1 37.88N 27.27E 7 2.9
CSEM IV 02 10 10 14.7–.15 37.89N 27.28E 8 2.8
ISCJB IV 02 10 10 14.3–.51 37.89N–.02 27.28E–.04 0–7 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 02 12 22 42.1–1.7 37.32N–.08 38.64E–.04 7–10 25 0-1
CSEM IV 02 12 22 38.1–.75 37.06N 38.53E 10 2.6 **¶13567847**
DDA IV 02 12 22 41.8 37.34N 38.64E 7 2.8
ISK IV 02 12 22 41.2 37.26N 38.68E 5 2.6
ISCJB IV 02 12 22 41.5–1.6 37.27N–.07 38.66E–.06 6–7 2.6
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 02 12 35 47.8–.94 37.87N–.02 27.24E–.03 8–9 40 0-2
ISK IV 02 12 35 46.8 37.87N 27.14E 11 2.8 **¶13567848**
DDA IV 02 12 35 47.5 37.90N 27.27E 7 2.8
CSEM IV 02 12 35 47.6–.15 37.87N 27.24E 8 2.8
ISCJB IV 02 12 35 47.6–.48 37.88N–.03 27.25E–.06 6–7 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 02 13 22 07.6–1.2 37.46N–.05 34.55E–.04 10–11 25 0-2
ISK IV 02 13 22 07.5 37.42N 34.46E 13 2.6 **¶13567851**
CSEM IV 02 13 22 07.1–.35 37.51N 34.57E 2 2.8
DDA IV 02 13 22 08.9 37.31N 34.56E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=7.2km az=33.0.
DDA Event type ke.
ISC IV 02 13 29 51.8–.90 37.16N–.03 37.15E–.02 5–6 39 0-2
ISK IV 02 13 29 51.1 37.26N 37.21E 5 2.4 **¶13567852**
CSEM IV 02 13 29 51.6–.23 37.15N 37.16E 5 2.9
DDA IV 02 13 29 51.7 37.14N 37.12E 7 2.9
ISCJB IV 02 13 29 51.8–.72 37.14N–.04 37.15E–.04 4–4 2.9
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISK IV 02 14 02 19.8 39.93N 28.06E 10 2.6
CSEM IV 02 14 02 19.8 39.93N 28.06E 10 2.6 **¶13567854**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC IV 02 16 23 34.2–1.0 37.47N–.05 35.51E–.03 12 18 0-2
CSEM IV 02 16 23 33.9–.22 37.48N 35.54E 20 2.5 **¶13567857**
ISK IV 02 16 23 33.4 37.51N 35.55E 20 2.5
ISCJB IV 02 16 23 33.6–.64 37.53N–.05 35.56E–.04 12 2.5
DDA IV 02 16 23 34.7 37.47N 35.48E 2 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.8km az=8.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.1km az=0.1.
DDA Event type ke.
ISC IV 02 17 36 48.5–.95 37.54N–.03 35.70E–.03 12–6 30 0-1
DDA IV 02 17 36 47.6 37.57N 35.69E 7 2.7 **¶13567858**
ISK IV 02 17 36 47.8 37.54N 35.65E 7 2.4
CSEM IV 02 17 36 48.3–.21 37.56N 35.66E 5 2.4
ISCJB IV 02 17 36 48.4–.84 37.53N–.05 35.68E–.05 9–7 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
DDA IV 03 03 31 26.3 37.87N 29.18E 7 2.6
¶15134847
DDA Event type ke.
ISC IV 03 04 06 04.6–.90 39.33N–.02 28.00E–.02 16–8 41 0-1
DDA IV 03 04 06 04.5 39.32N 28.01E 7 2.8 **¶13567859**
ISK IV 03 04 06 04.0 39.34N 27.98E 19 2.8
CSEM IV 03 04 06 04.6–.09 39.33N 28.01E 20 2.8
ISCJB IV 03 04 06 04.8–.45 39.33N–.03 28.01E–.04 22–8 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 03 13 06 34.4–1.3 37.11N–.06 27.94E–.03 2–15 21 0-2
DDA IV 03 13 06 32.5 36.95N 27.65E 7 3.1L,3.0 **¶13567867**
ISK IV 03 13 06 35.0 37.16N 27.96E 13 2.5,3.0
CSEM IV 03 13 06 36.1–.35 37.14N 27.95E 5 2.5,3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=6.4km az=178.0.
ISC IV 03 15 46 31.1–.85 38.32N–.02 39.24E–.02 11–5 54 0-2
DDA IV 03 15 46 30.9 38.29N 39.25E 18 2.9 **¶13567872**
ISK IV 03 15 46 30.9 38.31N 39.20E 3 2.8
CSEM IV 03 15 46 31.5–.24 38.31N 39.21E 2 2.8
ISCJB IV 03 15 46 31.3–.45 38.28N–.03 39.23E–.03 9–4 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 03 17 22 07.1–.93 39.80N–.03 40.17E–.03 12 26 0-2
ISK IV 03 17 22 06.5 39.83N 40.19E 10 2.5 **¶13567874**
ISCJB IV 03 17 22 06.6–.60 39.81N–.04 40.21E–.05 12 2.5
CSEM IV 03 17 22 07.0–.23 39.80N 40.15E 10 2.5
DDA IV 03 17 22 09.8 40.00N 40.09E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.2km az=22.4.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.7km az=17.0.
DDA Event type ke.
ISC IV 04 02 23 21.9–1.2 39.09N–.03 29.12E–.03 1–17 28 0-2
DDA IV 04 02 23 21.2 39.11N 29.08E 7 2.7 **¶13567880**
ISK IV 04 02 23 23.4 39.18N 29.35E 5 2.4
CSEM IV 04 02 23 24.7–.22 39.14N 29.35E 8 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=85.0.
ISC IV 04 04 33 51.6–.00 37.37N–.02 38.57E–.02 7–8 64 0-2
ISK IV 04 04 33 49.8 37.26N 38.61E 8 2.9 **¶13567883**
DDA IV 04 04 33 52.0 37.41N 38.58E 25 2.8
ISCJB IV 04 04 33 51.8–.75 37.35N–.03 38.58E–.03 8–5 2.8
CSEM IV 04 04 33 52.1–.22 37.36N 38.57E 10 2.9
NSSC IV 04 04 33 52.1–1.1 37.41N 38.63E 8–16 2.0L,1.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=13.7.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=5.0km az=34.0.
NSSC Error ellipse: s-maj=11.3km s-min=6.7km az=-1.0.
ISC IV 04 14 43 03.9–.91 39.12N–.02 28.98E–.02 13–8 56 0-2
ISK IV 04 14 43 02.9 39.12N 28.93E 5 2.7 **¶13567892**
DDA IV 04 14 43 03.7 39.09N 29.03E 7 2.8
CSEM IV 04 14 43 03.8–.11 39.11N 28.98E 8 2.8
ISCJB IV 04 14 43 03.5–.47 39.12N–.03 29.00E–.03 4–6 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 04 19 11 32.9–.95 39.92N–.02 27.34E–.03 11–8 48 0-2
ISK IV 04 19 11 31.9 39.93N 27.34E 4 2.6 **¶13567896**
DDA IV 04 19 11 32.4 39.96N 27.36E 7 2.5
CSEM IV 04 19 11 32.5–.17 39.92N 27.33E 5 2.6

ISCJB IV 04 19 11 32.5–.53 39.93N–.03 27.33E–.04 6–5 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 04 22 28 45.4–.97 37.38N–.03 36.25E–.02 10–8 53 0-3
ISK IV 04 22 28 44.7 37.44N 36.24E 5 3.0 ¶13567900
DDA IV 04 22 28 44.4 37.40N 36.22E 23 2.9
CSEM IV 04 22 28 45.7–.19 37.39N 36.23E 5 2.9
ISCJB IV 04 22 28 45.8–.52 37.38N–.03 36.24E–.03 7–4 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 04 22 51 07.5–.92 39.93N–.02 40.79E–.02 11–8 92 0-4
ISK IV 04 22 51 05.5 39.92N 40.77E 5 3.6 ¶13567901
DDA IV 04 22 51 06.2 39.91N 40.81E 7 3.4
CSEM IV 04 22 51 07.5–.14 39.99N 40.77E 10 3.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=2.0.
ISC IV 05 05 12 34.2–.94 40.90N–.04 35.92E–.02 13–10 36 0-2
ISK IV 05 05 12 33.6 40.93N 35.86E 6 2.3 ¶13567904
DDA IV 05 05 12 34.0 40.88N 35.94E 10 2.8
CSEM IV 05 05 12 34.3–.31 40.89N 35.90E 0–3 2.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=15.0.
ISK IV 05 07 24 06.6 37.82N 30.77E 7 2.5
¶13567908
ISC IV 05 08 34 57.6–.93 40.38N–.02 27.20E–.02 8–7 54 0-2
ISK IV 05 08 34 56.9 40.38N 27.20E 8 2.8 ¶13567909
CSEM IV 05 08 34 57.5–.09 40.38N 27.20E 8 2.8
DDA IV 05 08 34 57.4 40.37N 27.21E 7 2.9
ISCJB IV 05 08 34 57.3–.44 40.38N–.02 27.20E–.04 4–5 2.9
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 05 09 00 30.2–1.0 37.17N–.03 37.14E–.03 4–8 42 0-3
ISK IV 05 09 00 29.3 37.17N 37.16E 8 2.9 ¶13567910
CSEM IV 05 09 00 30.0–.17 37.17N 37.17E 8 3.0
DDA IV 05 09 00 30.4 37.15N 37.12E 7 3.0
ISCJB IV 05 09 00 30.1–.55 37.18N–.03 37.20E–.05 6–5 3.0
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 05 10 02 25.2–1.2 39.64N–.03 26.47E–.04 3–14 46 0-2
CSEM IV 05 10 02 24.9–.29 39.64N 26.44E 5 2.8 ¶13567915
ISK IV 05 10 02 24.9 39.67N 26.47E 5 2.8
DDA IV 05 10 02 24.4 39.62N 26.45E 7 2.9
ISCJB IV 05 10 02 24.8–.64 39.64N–.03 26.47E–.04 3–6 2.9
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 05 12 22 26.2–3.2 41.3N–.20 36.04E–.06 30–7 22 0-2
CSEM IV 05 12 22 26.7–.61 41.23N 36.02E 26–1 2.6 ¶13567918
ISK IV 05 12 22 27.0 41.21N 35.89E 22 2.1
DDA IV 05 12 22 28.9 40.90N 35.95E 10 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.9km s-min=5.5km az=8.0.
DDA Event type ke.
ISC IV 05 13 36 06.1–1.1 39.07N–.03 27.61E–.05 14–8 26 0-1
CSEM IV 05 13 36 05.9–.30 39.06N 27.62E 17–4 2.7 ¶13567923
ISK IV 05 13 36 05.7 39.06N 27.62E 13 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=114.0.
ISC IV 05 13 36 20.9–1.2 37.01N–.05 28.15E–.04 25–9 20 0-1
ISK IV 05 13 36 20.9 37.03N 28.18E 30 2.3 ¶13567924
CSEM IV 05 13 36 21.6–.38 37.02N 28.16E 25–6 2.3
ISCJB IV 05 13 36 21.8–.97 37.02N–.06 28.15E–.06 28–12 2.3
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
DDA IV 05 20 19 35.2 37.86N 27.56E 7 2.7
CSEM IV 05 20 19 35.2 37.86N 27.56E 7 2.7 ¶15134878
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
DDA IV 05 21 40 37.7 39.66N 26.47E 3 2.8
¶15134877
DDA Event type ke.
ISC IV 05 22 08 60.0–.95 39.61N–.02 26.43E–.03 9–9 86 0-2
DDA IV 05 22 08 58.6 39.61N 26.42E 26 2.9 ¶13567929
ISK IV 05 22 08 59.4 39.65N 26.46E 3 2.9
ISCJB IV 05 22 08 59.5–.55 39.61N–.02 26.45E–.04 3–5 2.9
CSEM IV 05 22 08 59.5–.23 39.61N 26.43E 2 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=155.5.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.9km az=76.0.
ISC IV 05 23 38 30.9–1.1 40.87N–.04 35.98E–.04 5–11 23 0-1
ISK IV 05 23 38 29.4 40.87N 36.16E 16 2.6 ¶13567931
DDA IV 05 23 38 30.4 40.84N 35.90E 7 2.6
CSEM IV 05 23 38 31.3–.17 40.88N 35.93E 5 2.6
ISCJB IV 05 23 38 31.3–.69 40.87N–.05 35.95E–.07 3–14 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 06 05 56 47.9–1.3 39.82N–.05 41.84E–.05 15–9 14 0-1
ISCJB IV 06 05 56 48.2–.89 39.79N–.05 41.86E–.05 14–5 ¶15134908
DDA IV 06 05 56 49.3 39.90N 41.70E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.1km az=8.3.
DDA Event type ke.
ISC IV 06 05 58 12.4–1.0 39.82N–.04 41.86E–.03 12–9 29 0-1
ISK IV 06 05 58 10.8 40.06N 41.91E 5 2.9 ¶13567940
DDA IV 06 05 58 11.9 39.84N 41.88E 7 2.8
CSEM IV 06 05 58 11.8–.28 39.80N 41.85E 10 2.8
ISCJB IV 06 05 58 12.8–.63 39.81N–.04 41.88E–.04 11–4 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 06 07 11 34.9–1.2 37.38N–.02 38.56E–.02 14–10 76 1-2
DDA IV 06 07 11 33.4 37.34N 38.65E 3 3.0 ¶13567942
ISK IV 06 07 11 34.5 37.35N 38.52E 12 2.7
ISCJB IV 06 07 11 34.5–.70 37.36N–.02 38.58E–.02 10–5 2.7
NSSC IV 06 07 11 35.1–.93 37.37N 38.62E 9–7 2.7L,1.2
CSEM IV 06 07 11 35.0–.15 37.38N 38.55E 15 2.7,1.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=172.9.
NSSC Error ellipse: s-maj=5.3km s-min=4.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=80.0.
ISK IV 06 07 32 34.9 37.82N 30.15E 6 2.6
CSEM IV 06 07 32 34.9 37.82N 30.15E 6 2.6 ¶13567943
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC IV 06 09 15 21.0–1.0 37.93N–.02 29.06E–.03 7–11 44 0-3
CSEM IV 06 09 15 20.7–.11 37.91N 29.06E 5 2.9 ¶13567949
DDA IV 06 09 15 20.9 37.91N 29.06E 7 2.8
ISK IV 06 09 15 20.0 37.93N 29.04E 3 2.9
ISCJB IV 06 09 15 20.7–.56 37.93N–.03 29.03E–.04 3–7 2.9
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 06 10 14 58.6–2.3 37.2N–.20 37.20E–.05 5–14 7 0-1
DDA IV 06 10 14 59.1 37.29N 37.22E 7 3.1 ¶15134907
ISC Event type ke.
DDA Event type ke.
ISC IV 06 11 23 46.8–1.1 37.86N–.02 27.37E–.02 6–10 58 0-3
ISK IV 06 11 23 45.8 37.87N 27.38E 3 2.8 ¶13567958
DDA IV 06 11 23 46.4 37.86N 27.36E 7 3.1
CSEM IV 06 11 23 46.9–.11 37.87N 27.39E 2 3.1
ATH IV 06 11 23 58.1 36.93N 26.89E 10 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=66.0.
DDA IV 06 14 09 01.9 38.04N 37.71E 7 2.8
¶15134903
DDA Event type ke.
ISC IV 06 17 24 10.0–.97 40.14N–.02 28.95E–.02 7–8 162 0-5
ISK IV 06 17 24 08.9 40.14N 28.95E 5 3.5 ¶13567965
CSEM IV 06 17 24 09.6–.07 40.14N 28.95E 5 3.5
DDA IV 06 17 24 09.3 40.13N 28.92E 6 3.3
ISCJB IV 06 17 24 09.0–.40 40.14N–.02 28.96E–.02 1–4 3.3
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 06 18 55 43.0–1.0 37.91N–.05 29.13E–.04 15–12 22 0-1
ISK IV 06 18 55 42.9 37.93N 29.15E 5 2.5 ¶13567966
CSEM IV 06 18 55 43.0–.17 37.89N 29.14E 12 2.8
DDA IV 06 18 55 43.3 37.92N 29.08E 7 2.8
ISCJB IV 06 18 55 43.2–.78 37.92N–.04 29.13E–.08 10–10 2.8
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 06 22 01 05.2–.90 39.24N–.02 29.36E–.02 9–8 52 0-2
ISK IV 06 22 01 04.6 39.24N 29.32E 5 2.7 ¶13567968
DDA IV 06 22 01 04.9 39.22N 29.34E 7 2.9
CSEM IV 06 22 01 05.1–.09 39.23N 29.36E 5 2.9
ISCJB IV 06 22 01 05.0–.46 39.22N–.02 29.36E–.03 5–5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 06 22 26 11.7–.91 39.09N–.03 29.02E–.02 11–9 66 0-2
ISK IV 06 22 26 10.6 39.08N 29.02E 4 2.8 ¶13567969
DDA IV 06 22 26 11.3 39.10N 29.02E 7 3.0
CSEM IV 06 22 26 11.5–.07 39.09N 29.02E 5 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=28.0.
ISC IV 06 22 31 10.8–.92 39.11N–.02 29.03E–.02 10–9 53 0-2
ISK IV 06 22 31 10.2 39.11N 29.03E 5 2.7 ¶13567970
DDA IV 06 22 31 10.4 39.11N 29.02E 8 3.0
CSEM IV 06 22 31 10.7–.06 39.11N 29.03E 5 3.0
ISCJB IV 06 22 31 10.4–.43 39.12N–.03 29.02E–.03 3–6 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 06 23 19 46.6–1.0 39.55N–.03 28.78E–.04 12–9 24 0-1
ISK IV 06 23 19 46.3 39.57N 28.79E 4 2.2 ¶13567971
DDA IV 06 23 19 46.1 39.57N 28.82E 7 2.8
CSEM IV 06 23 19 46.3–.10 39.54N 28.73E 15 2.2
ISCJB IV 06 23 19 46.5–.62 39.55N–.03 28.80E–.07 4–16 2.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 07 00 18 00.2–.94 40.62N–.03 29.12E–.03 8–8 34 0-1
ISK IV 07 00 17 59.9 40.59N 29.11E 7 2.6 ¶13567973
CSEM IV 07 00 17 59.8–.11 40.63N 29.13E 8 2.6
ISCJB IV 07 00 17 59.9–.57 40.62N–.03 29.13E–.05 6–5 2.6
DDA IV 07 00 18 00.0 40.62N 29.09E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=22.7.
DDA Event type ke.
ISC IV 07 00 37 22.6–1.1 40.70N–.03 29.07E–.04 9–11 24 0-1
ISK IV 07 00 37 22.5 40.66N 29.06E 12 2.4 ¶13567974
DDA IV 07 00 37 22.7 40.71N 29.09E 11 2.7
CSEM IV 07 00 37 22.9–.23 40.68N 29.08E 5 2.4
ISCJB IV 07 00 37 22.8–.62 40.69N–.04 29.09E–.08 5–9 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 07 01 03 20.8–.94 39.13N–.02 29.08E–.02 10–8 57 0-2
ISK IV 07 01 03 20.2 39.14N 29.09E 5 2.7 ¶13567975
CSEM IV 07 01 03 20.7–.07 39.13N 29.09E 5 3.0
DDA IV 07 01 03 20.2 39.11N 29.08E 9 3.0
ISCJB IV 07 01 03 20.4–.44 39.13N–.03 29.08E–.03 2–6 3.0
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 07 04 01 30.5–.95 39.93N–.03 39.49E–.03 14–7 38 0-1
ISK IV 07 04 01 29.8 39.94N 39.47E 10 2.4 ¶13567978
CSEM IV 07 04 01 30.1–.14 39.92N 39.52E 12 2.4
ISCJB IV 07 04 01 30.6–.50 39.93N–.03 39.49E–.04 9–6 2.4
DDA IV 07 04 01 31.0 39.90N 39.46E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.1km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=21.6.
DDA Event type ke.
ISC IV 07 06 00 17.0–1.4 38.05N–.03 30.24E–.03 6–12 31 0-2
ISK IV 07 06 00 16.4 37.99N 30.15E 12 2.6 ¶13567980
CSEM IV 07 06 00 17.2–.29 37.96N 30.19E 20 2.6
ISCJB IV 07 06 00 17.8–.61 38.03N–.03 30.22E–.04 3–7 2.6
DDA IV 07 06 00 19.3 38.06N 30.21E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=5.3km az=33.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.4km az=153.2.
DDA Event type ke.
ISC IV 07 06 49 19.9–.87 37.52N–.05 36.18E–.02 15 29 0-2
ISK IV 07 06 49 18.8 37.58N 36.22E 8 2.7 ¶13567981
CSEM IV 07 06 49 19.4–.17 37.54N 36.21E 10 3.0
ISCJB IV 07 06 49 19.9–.59 37.52N–.06 36.19E–.03 15 3.0
DDA IV 07 06 49 20.6 37.42N 36.23E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=2.9km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=3.9km az=179.1.
DDA Event type ke.
DDA IV 07 07 33 36.8 40.54N 35.76E 7 2.5
CSEM IV 07 07 33 36.8 40.54N 35.76E 7 2.5 ¶15134921

DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC IV 07 11 11 22.8–1.1 41.05N–.03 34.52E–.03 12–10 30 0-2
ISK IV 07 11 11 22.2 41.05N 34.54E 12 2.6 ¶13567987
CSEM IV 07 11 11 22.8–.09 41.06N 34.52E 15 2.6
ISCJB IV 07 11 11 22.8–.54 41.06N–.03 34.52E–.05 8–8 2.6
DDA IV 07 11 11 23.4 41.02N 34.47E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.1km az=163.4.
DDA Event type ke.
ATH IV 07 13 34 36.9 39.43N 26.28E 20–2 2.6
CSEM IV 07 13 34 36.9 39.43N 26.28E 20 2.6 ¶14693878
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 07 16 03 18.1–.86 40.33N–.03 27.83E–.02 10–5 50 0-2
DDA IV 07 16 03 17.8 40.37N 27.83E 7 2.9 ¶13567991
ISK IV 07 16 03 18.0 40.30N 27.84E 7 2.8
CSEM IV 07 16 03 18.5–.11 40.32N 27.86E 8 2.8
ISCJB IV 07 16 03 18.3–.39 40.34N–.03 27.86E–.03 7–4 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 07 16 31 44.4–1.3 38.78N–.03 40.15E–.03 5–13 22 0-2
ISK IV 07 16 31 44.5 38.78N 40.13E 4 2.8 ¶13567992
ISCJB IV 07 16 31 44.5–.70 38.75N–.03 40.12E–.05 3–8 2.8
DDA IV 07 16 31 45.4 38.70N 40.20E 7 2.9
CSEM IV 07 16 31 46.0–.47 38.74N 40.00E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=161.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.9km s-min=11.1km az=144.0.
ISC IV 07 23 17 53.0–1.0 37.84N–.02 29.07E–.03 5–9 49 0-2
ISK IV 07 23 17 52.6 37.82N 29.09E 8 2.7 ¶13567998
DDA IV 07 23 17 53 37.83N 29.08E 6 2.7
CSEM IV 07 23 17 53.0–.14 37.84N 29.08E 5 2.7
ISCJB IV 07 23 17 53.1–.51 37.84N–.03 29.07E–.04 3–6 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 08 08 51 52.3–.88 37.44N–.02 37.10E–.02 10–7 40 0-2
DDA IV 08 08 51 51.9 37.45N 37.11E 7 2.9 ¶13568003
ISK IV 08 08 51 51.8 37.43N 37.08E 8 2.9
CSEM IV 08 08 51 52.5–.11 37.44N 37.08E 8 2.9
ISCJB IV 08 08 51 52.2–.52 37.44N–.04 37.11E–.04 3–8 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISK IV 08 09 49 44.4 41.20N 27.68E 14 2.2
CSEM IV 08 09 49 44.4 41.20N 27.68E 14 2.2 ¶13568005
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC IV 08 16 25 32.3–.99 39.26N–.03 41.03E–.03 12–9 35 0-2
ISK IV 08 16 25 31.3 39.29N 40.99E 3 2.8 ¶13568012
DDA IV 08 16 25 32.1 39.28N 41.02E 7 2.7
ISCJB IV 08 16 25 32.3–.57 39.29N–.03 41.00E–.03 5–5 2.7
CSEM IV 08 16 25 32.5–.20 39.29N 41.03E 10 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.3km az=33.1.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=19.0.
ISC IV 08 16 29 55.3–1.1 37.12N–.03 36.23E–.03 10–11 32 0-2
CSEM IV 08 16 29 55.7–.26 37.10N 36.23E 5 2.6 ¶13568013
ISCJB IV 08 16 29 55.6–.76 37.10N–.03 36.23E–.04 4–6 2.6
DDA IV 08 16 29 56.7 37.04N 36.30E 7 2.8
ISK IV 08 16 29 56.3 37.19N 36.27E 4 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.3km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.0km az=152.8.
DDA Event type ke.
ISC IV 08 18 34 32.0–.98 40.61N–.02 33.08E–.02 10–9 62 0-3
DDA IV 08 18 34 30.8 40.58N 32.99E 6 3.2L ¶13568015
ISK IV 08 18 34 31.6 40.61N 33.05E 8 3.3
ISCJB IV 08 18 34 31.9–.56 40.62N–.03 33.07E–.04 8–5 3.3
CSEM IV 08 18 34 32.0–.11 40.60N 33.09E 5 3.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=139.7.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=145.0.
ISC IV 08 23 35 00.6–.97 39.31N–.02 29.00E–.02 10–9 56 0-2
CSEM IV 08 23 35 00.7–.10 39.31N 29.00E 8 2.9 ¶13568020
DDA IV 08 23 35 00.0 39.31N 28.99E 7 2.9
ISCJB IV 08 23 35 00.4–.49 39.32N–.03 29.00E–.03 2–5 2.9
ISK IV 08 23 35 00.3 39.33N 28.97E 5 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=18.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=14.0.
ISC IV 08 23 55 13.4–.88 38.86N–.03 27.99E–.03 9–8 58 0-2
DDA IV 08 23 55 13.0 38.89N 27.96E 9 2.9 ¶13568022
CSEM IV 08 23 55 13.5–.10 38.87N 27.97E 6–1 2.9
ISK IV 08 23 55 13.1 38.87N 27.97E 7 3.0
ISCJB IV 08 23 55 13.4–.44 38.87N–.04 27.97E–.03 7–5 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 08 23 55 49.0–1.1 41.14N–.02 33.55E–.02 4–10 124 0-13
ISK IV 08 23 55 47.8 41.17N 33.55E 4 3.6 ¶13568023
DDA IV 08 23 55 48.0 41.12N 33.56E 13 3.5L
CSEM IV 08 23 55 48.9–.10 41.15N 33.55E 2 3.5L
ISCJB IV 08 23 55 48.1–.53 41.16N–.02 33.52E–.03 0–4 3.5L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 09 02 32 29.5–.92 37.44N–.05 38.65E–.02 15–7 35 0-2
ISK IV 09 02 32 28.8 37.34N 38.64E 8 2.7 ¶13568026
CSEM IV 09 02 32 29.9–.26 37.44N 38.64E 10 2.7
ISCJB IV 09 02 32 29.8–.76 37.41N–.05 38.62E–.03 9–6 2.7
DDA IV 09 02 32 29.6 37.45N 38.58E 7 2.8
NSSC IV 09 02 32 30.2–1.2 37.31N 38.64E 0–7 1.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=5.7km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.3km az=177.1.
DDA Event type ke.
NSSC Error ellipse: s-maj=12.6km s-min=3.1km az=-1.0.
ISC IV 09 08 13 25.2–2.2 36.70N–.06 31.39E–.04 95–17 36 1-2
ISK IV 09 08 13 23.3 36.62N 31.43E 94 3.0 ¶13568031
CSEM IV 09 08 13 24.2–.34 36.68N 31.38E 103–3 3.0
ISCJB IV 09 08 13 24.0–1.3 36.68N–.06 31.38E–.05 103–11 3.0
DDA IV 09 08 13 25.7 36.95N 31.52E 7 3.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.8km az=9.5.
DDA Event type ke.
ISC IV 09 18 10 29.4–1.0 38.96N–.03 29.02E–.02 11–10 31 0-1
ISK IV 09 18 10 28.9 38.97N 29.01E 6 2.7 ¶13568036
CSEM IV 09 18 10 29.4–.05 38.96N 29.02E 5 2.6
DDA IV 09 18 10 29.1 38.95N 29.03E 7 2.6
ISCJB IV 09 18 10 29.2–.52 38.94N–.03 29.04E–.04 8–9 2.6
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 10 07 44 41.5–.97 37.87N–.04 29.22E–.06 13–9 22 0-1
DDA IV 10 07 44 41.5 37.86N 29.21E 7 2.5,2.3L ¶13568043
ISK IV 10 07 44 41.8 37.90N 29.15E 5 2.8,2.3L
CSEM IV 10 07 44 42.1–.20 37.89N 29.18E 2 2.8,2.3L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=2.8km az=119.0.
ISC IV 10 11 31 46.3–1.1 38.92N–.02 35.63E–.02 5–12 114 0-4
ISK IV 10 11 31 45.0 38.93N 35.64E 5 3.4 ¶13568047
DDA IV 10 11 31 45.4 38.92N 35.60E 2 3.7L
CSEM IV 10 11 31 46.7–.13 38.91N 35.61E 2 3.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=35.0.
DDA IV 10 14 33 16.9 38.16N 38.01E 7 2.8
¶15134973
DDA Event type ke.
ISC IV 10 14 35 51.3–.97 40.91N–.04 35.96E–.03 13–7 32 0-2
DDA IV 10 14 35 50.5 40.80N 35.88E 7 2.3 ¶13568052
CSEM IV 10 14 35 51.0–.22 40.83N 35.93E 2 2.8
ISK IV 10 14 35 51.3 40.91N 36.02E 14 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=5.0.
ISC IV 10 15 09 58.0–1.3 37.10N–.03 27.93E–.03 1–12 28 0-1
DDA IV 10 15 09 57.9 37.11N 27.71E 6 2.6 ¶13568053
ISK IV 10 15 09 58.5 37.13N 27.89E 5 2.5
CSEM IV 10 15 09 59.0–.25 37.13N 27.94E 10 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=24.0.
ISC IV 10 19 06 06.8–1.0 39.62N–.02 27.16E–.02 13–11 50 0-1
ISCJB IV 10 19 06 06.9–.46 39.62N–.03 27.14E–.03 9–5 ¶13568055
ISK IV 10 19 06 06.8 39.64N 27.15E 11 2.7
DDA IV 10 19 06 06.6 39.59N 27.16E 7 2.9
CSEM IV 10 19 06 07.1–.09 39.62N 27.14E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=166.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=103.0.
ISC IV 10 20 08 55.8–.78 39.71N–.02 27.59E–.02 14–4 120 0-3
CSEM IV 10 20 08 55.8–.12 39.71N 27.58E 8 3.4 ¶13568056
ISCJB IV 10 20 08 55.5–.38 39.70N–.02 27.56E–.02 6–3 3.4
ISK IV 10 20 08 55.4 39.73N 27.59E 5 3.4
DDA IV 10 20 08 55.9 39.72N 27.61E 14 3.4
ATH IV 10 20 08 55.5 39.63N 27.59E 24–2 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=33.2.
DDA Event type ke.
ATH Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0.
ISC IV 11 04 43 07.9–.91 37.10N–.03 30.39E–.03 8–7 35 0-2
DDA IV 11 04 43 06.9 37.11N 30.46E 5 3.0 ¶13568059
ISK IV 11 04 43 07.8 37.11N 30.41E 13 2.7
ISCJB IV 11 04 43 08.1–.52 37.10N–.03 30.39E–.05 9–6 2.7
CSEM IV 11 04 43 08.0–.18 37.09N 30.40E 8 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.6km az=26.2.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=125.0.
ISC IV 11 08 57 18.9–1.0 40.38N–.02 40.56E–.02 7–9 98 0-23
DDA IV 11 08 57 18.0 40.40N 40.59E 5 3.3 ¶12935042
CSEM IV 11 08 57 18.4–.15 40.37N 40.57E 5 3.1
ISCJB IV 11 08 57 18.3–.46 40.37N–.02 40.58E–.02 6–4 3.3b
ISK IV 11 08 57 18.1 40.35N 40.55E 9 3.1
IDC IV 11 08 57 24.6–1.7 41.06N 40.71E 0 3.2,3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=162.3.
IDC Error ellipse: s-maj=26.8km s-min=16.1km az=29.0.
ISC IV 11 20 17 02.7–1.1 37.96N–.03 27.15E–.04 8–11 32 0-1
ISCJB IV 11 20 17 03.0–.55 37.94N–.03 27.17E–.06 4–13 ¶13568064
ISK IV 11 20 17 02.5 37.94N 27.19E 21 2.7
DDA IV 11 20 17 02.6 37.93N 27.15E 7 2.6
CSEM IV 11 20 17 03.3–.19 37.94N 27.17E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=3.9km az=153.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.7km az=72.0.
ISC IV 11 20 30 55.7–1.3 37.53N–.03 37.43E–.03 0–16 38 0-1
DDA IV 11 20 30 56.0 37.49N 37.40E 7 3.0 ¶13568065
ISK IV 11 20 30 55.2 37.52N 37.40E 9 2.6
CSEM IV 11 20 30 56.4–.20 37.49N 37.41E 15 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.7km az=139.0.
ISC IV 11 21 16 03.2–1.2 39.31N–.02 27.86E–.02 4–10 149 0-7
ISCJB IV 11 21 16 03.9–.39 39.33N–.02 27.82E–.02 3–3 ¶13568066
ISK IV 11 21 16 03.8 39.33N 27.79E 6 3.3
ATH IV 11 21 16 03.8 39.41N 27.90E 21–2 3.4
DDA IV 11 21 16 03.4 39.32N 27.85E 22 3.1
CSEM IV 11 21 16 04.1–.09 39.32N 27.82E 2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=167.9.
ATH Error ellipse: s-maj=2.5km s-min=3.6km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=85.0.
ISC IV 11 23 24 06.7–1.1 40.00N–.03 40.02E–.02 8–9 55 0-2
ISK IV 11 23 24 06.8 40.02N 40.04E 5 2.7 ¶13568067
DDA IV 11 23 24 06.9 40.04N 40.02E 7 2.9
ISCJB IV 11 23 24 07.1–.49 40.02N–.03 40.01E–.03 4–4 2.9
CSEM IV 11 23 24 07.2–.17 40.01N 40.01E 2 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=162.8.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=171.0.
ISC IV 12 04 16 04.0–.00 38.54N–.03 32.41E–.03 15–8 29 0-2
ISK IV 12 04 16 03.9 38.54N 32.41E 19 2.6 ¶13568068
CSEM IV 12 04 16 03.9–.17 38.55N 32.42E 15 2.8
DDA IV 12 04 16 04.0 38.38N 31.87E 5 2.8
ISCJB IV 12 04 16 04.5–.61 38.53N–.05 32.39E–.06 20–7 2.8
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 12 05 15 00.5–.98 38.92N–.03 42.31E–.03 16–9 37 0-2
DDA IV 12 05 15 00.4 38.94N 42.31E 7 2.8 ¶13568070
ISK IV 12 05 15 00.1 38.87N 42.27E 12 2.9
CSEM IV 12 05 15 00.4–.25 38.93N 42.31E 15 2.8
ISCJB IV 12 05 15 01.0–.56 38.90N–.03 42.31E–.05 15–9 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC IV 12 11 10 17.7–1.1 39.00N–.03 41.20E–.03 11–10 40 0-2
ISK IV 12 11 10 16.9 38.97N 41.18E 9 3.0 ¶13568073
ISCJB IV 12 11 10 17.3–.70 39.01N–.03 41.19E–.04 3–6 3.0
CSEM IV 12 11 10 17.8–.22 38.98N 41.24E 12 3.0
DDA IV 12 11 10 18.6 38.92N 40.99E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=24.5.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=5.2km az=124.0.
DDA Event type ke.
DDA IV 12 15 07 15.3 38.35N 36.94E 7 2.7
¶15135030
DDA Event type ke.
ISC IV 12 17 06 02.5–.91 37.68N–.02 28.05E–.02 8–9 87 0-3
DDA IV 12 17 06 01.6 37.71N 28.05E 11 2.8 ¶13568078
ISK IV 12 17 06 01.3 37.66N 28.02E 2 3.3
CSEM IV 12 17 06 02.3–.13 37.67N 28.04E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=173.0.
ISC IV 12 17 34 24.2–.85 37.66N–.02 28.03E–.02 11–6 60 0-5
ISK IV 12 17 34 23.8 37.66N 28.02E 6 2.5 ¶12935077
DDA IV 12 17 34 23.7 37.71N 28.03E 9 2.1
CSEM IV 12 17 34 24.2–.20 37.66N 28.04E 0–4 2.1
THE IV 12 17 34 30.4 37.51N 28.09E 26–13 3.5L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=16.0.
THE Event type ke. Error ellipse: s-maj=13.9km s-min=1.9km az=252.0.
ISC IV 12 17 34 56.7–.82 37.66N–.02 28.05E–.02 8–6 3.4b 246 0-56
ISCJB IV 12 17 34 55.8–.40 37.72N–.02 28.05E–.02 4–3 3.4b ¶13568080
NEIC IV 12 17 34 56.3 37.64N 27.97E 24 3.9L,3.9L
DDA IV 12 17 34 56.1 37.70N 28.06E 7 3.0,3.9L
ISK IV 12 17 34 56.4 37.64N 27.98E 24 4.0L,3.9L
CSEM IV 12 17 34 56.7–.10 37.73N 28.07E 2 3.0,3.9L
THE IV 12 17 34 57.9 37.76N 28.06E 0–1 4.0L,3.9L
IDC IV 12 17 35 01.3–3.1 37.44N 28.22E 40–34 3.8L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=35.8.
NEIC Event type fe. Felt at Aydin. After ISK.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=28.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=51.0.
IDC Error ellipse: s-maj=21.5km s-min=16.9km az=178.0.
ISC IV 12 18 17 10.3–.94 40.08N–.03 40.76E–.02 27–7 41 0-2
DDA IV 12 18 17 09.8 40.18N 40.78E 7 3.1 ¶13568081
ISK IV 12 18 17 10.3 40.09N 40.74E 6 3.0
ISCJB IV 12 18 17 11.0–.43 40.10N–.04 40.80E–.03 21–6 3.0
CSEM IV 12 18 17 10.8–.26 40.07N 40.77E 20 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=167.5.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.7km az=21.0.
ISC IV 12 22 20 38.3–.87 37.53N–.03 35.68E–.02 13–6 48 0-3
ISK IV 12 22 20 37.4 37.56N 35.65E 8 3.1 ¶13568083
ISCJB IV 12 22 20 37.6–.54 37.57N–.04 35.65E–.03 4–6 3.1
CSEM IV 12 22 20 37.9–.21 37.56N 35.66E 2 3.1
DDA IV 12 22 20 38.2 37.52N 35.69E 7 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=0.3.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=7.0.
DDA Event type ke.
ISC IV 12 23 31 53.7–1.2 37.07N–.04 27.83E–.03 13–11 29 0-2
ISK IV 12 23 31 54.0 37.09N 27.85E 15 2.6 ¶13568084
DDA IV 12 23 31 54.0 37.12N 27.84E 7 2.5
CSEM IV 12 23 31 54.8–.25 37.12N 27.83E 13–1 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.4km az=1.0.
ISK IV 13 01 22 02.3 37.11N 28.32E 23 2.5
¶13568085
ISK IV 13 01 33 20.1 39.15N 36.19E 5 3.2
CSEM IV 13 01 33 20.1 39.15N 36.19E 5 3.2 ¶13568086
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC IV 13 01 53 42.0–1.4 39.18N–.04 36.30E–.03 3–12 37 0-3
ISK IV 13 01 53 41.9 39.13N 36.23E 3 3.0 ¶13568088
DDA IV 13 01 53 42.5 39.14N 36.17E 7 2.7
CSEM IV 13 01 53 42.8–.24 39.17N 36.21E 2 3.0
ISCJB IV 13 01 53 42.5–.95 39.15N–.04 36.25E–.05 3–8 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 13 04 19 02.8–.91 40.35N–.03 27.06E–.02 9–8 44 0-2
DDA IV 13 04 19 01.9 40.35N 27.07E 6 2.8 ¶13568090
ISK IV 13 04 19 02.0 40.35N 27.06E 5 2.6
ISCJB IV 13 04 19 02.4–.46 40.36N–.03 27.05E–.04 5–6 2.6
CSEM IV 13 04 19 02.6–.09 40.36N 27.06E 5 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=4.1.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=20.0.
ISC IV 13 11 30 20.0–.88 37.67N–.02 38.77E–.02 14–7 90 0-3
DDA IV 13 11 30 19.4 37.67N 38.74E 12 3.1 ¶13568093
ISK IV 13 11 30 19.3 37.67N 38.73E 5 3.1
CSEM IV 13 11 30 20.3–.16 37.67N 38.78E 5 3.1
ISCJB IV 13 11 30 20.3–.50 37.65N–.02 38.75E–.02 7–4 3.1
NSSC IV 13 11 30 23.4–.94 37.41N 38.91E 1–4 2.8L,1.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=135.7.
NSSC Error ellipse: s-maj=5.3km s-min=2.5km az=-1.0.
ISC IV 13 13 42 31.5–.95 40.03N–.03 28.02E–.03 14–8 38 0-1
ISK IV 13 13 42 30.8 40.01N 28.02E 12 2.4 ¶13568095
DDA IV 13 13 42 31.8 40.02N 28.00E 16 2.6
CSEM IV 13 13 42 31.5–.08 40.04N 28.01E 12 2.4
ISCJB IV 13 13 42 32.1–.51 40.02N–.03 27.98E–.05 17–10 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 13 17 48 43.1–1.3 39.09N–.03 41.92E–.04 6–11 38 0-3
DDA IV 13 17 48 41.0 39.03N 42.13E 10 3.2 ¶13568098
ISK IV 13 17 48 42.8 39.10N 41.90E 7 2.9
CSEM IV 13 17 48 43.4–.34 39.11N 41.90E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=6.9km az=9.0.
ISC IV 13 20 37 34.1–.00 37.21N–.02 36.90E–.02 6–12 39 0-2
DDA IV 13 20 37 33.7 37.21N 36.89E 6 2.9L,2.8 ¶13568099
ISK IV 13 20 37 33.6 37.27N 36.97E 5 2.3,2.8
ISCJB IV 13 20 37 34.0–.54 37.20N–.03 36.90E–.04 1–6 2.3,2.8
CSEM IV 13 20 37 34.2–.15 37.20N 36.91E 2 2.9L,2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=3.7.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=132.0.
ISK IV 14 01 56 54.0 40.35N 28.25E 8 3.2
DDA IV 14 01 56 54.2 40.33N 28.23E 14 3.3 ¶13568102
CSEM IV 14 01 56 54.5–.07 40.35N 28.24E 8 3.2
DDA Event type ke.
CSEM Event type ke.
ISC IV 14 06 25 25.0–1.1 36.60N–.02 34.76E–.02 6–10 144 0-7
DDA IV 14 06 25 23.8 36.61N 34.78E 7 3.3 ¶12793894
NSSC IV 14 06 25 24.7–1.4 36.60N 34.78E 0–9 3.1L,1.5
CSEM IV 14 06 25 25.7–.09 36.59N 34.76E 10 3.5W,1.5
ISCJB IV 14 06 25 25.1–.59 36.56N–.02 34.74E–.02 11–4 3.5W,1.5
ISK IV 14 06 25 25.1 36.65N 34.75E 10 3.3,1.5
NIC IV 14 06 25 28.0–.20 36.68N 34.80E 30 3.5W,3.4L
ISC Event type ke.
DDA Event type ke.
NSSC Error ellipse: s-maj=9.0km s-min=13.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=159.5.
NIC Moment Tensor Solution. $M_0$1.80000×10^{14}
ISC IV 14 09 14 06.3–1.0 37.15N–.02 36.37E–.02 8–9 79 0-3
ISK IV 14 09 14 06.3 37.19N 36.36E 8 3.1 ¶13568106
ISCJB IV 14 09 14 06.2–.52 37.14N–.02 36.36E–.03 5–5 3.1
CSEM IV 14 09 14 06.6–.14 37.15N 36.35E 5 3.2L
NSSC IV 14 09 14 06.3–1.9 37.12N 36.48E 0–10 3.0L,1.3
DDA IV 14 09 14 06.3 37.16N 36.34E 7 3.2L,1.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=10.5.
CSEM Event type ke.
NSSC Error ellipse: s-maj=11.6km s-min=12.5km az=-1.0.
DDA Event type ke.
ISC IV 14 15 51 20.3–1.1 37.09N–.03 27.94E–.02 6–13 28 0-1
ISK IV 14 15 51 20.2 37.13N 27.90E 5 2.0 ¶13568112
CSEM IV 14 15 51 20.9–.25 37.13N 27.92E 15 2.0
ISCJB IV 14 15 51 21.0–.62 37.12N–.04 27.94E–.04 6–10 2.0
DDA IV 14 15 51 21.4 37.16N 27.87E 6 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.8km az=8.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.0km az=24.0.
DDA Event type ke.
ISC IV 14 17 52 16.7–.88 40.02N–.03 39.04E–.03 16–7 43 0-2
ISK IV 14 17 52 15.5 40.00N 39.08E 9 2.7 ¶13568115
DDA IV 14 17 52 16.4 40.05N 39.01E 7 3.0
CSEM IV 14 17 52 16.4–.31 40.02N 39.05E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.5km az=125.0.
ISC IV 14 22 56 26.5–.89 39.96N–.02 27.58E–.02 13–7 86 0-2
DDA IV 14 22 56 26.5 39.93N 27.52E 18 2.8 ¶13568119
ISK IV 14 22 56 26.0 39.99N 27.61E 9 2.8
ISCJB IV 14 22 56 26.0–.40 39.99N–.02 27.57E–.03 7–4 2.8
CSEM IV 14 22 56 26.3–.13 39.98N 27.61E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=152.5.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=62.0.
ISC IV 14 23 19 46.2–.87 39.04N–.02 29.67E–.02 11–7 61 0-2
ISK IV 14 23 19 45.8 39.05N 29.67E 12 2.8 ¶13568120
ISCJB IV 14 23 19 46.0–.45 39.03N–.03 29.68E–.03 10–4 2.8
DDA IV 14 23 19 46.1 39.04N 29.63E 13 2.8
CSEM IV 14 23 19 46.1–.08 39.05N 29.67E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=12.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=20.0.
ISC IV 14 23 26 26.4–.96 39.67N–.02 37.24E–.03 11–8 41 0-2
ISK IV 14 23 26 25.6 39.65N 37.28E 14 2.7 ¶13568121
ISCJB IV 14 23 26 25.4–.93 39.62N–.03 37.22E–.05 1–8 2.7
DDA IV 14 23 26 26.1 39.66N 37.25E 7 2.8
CSEM IV 14 23 26 27.6–.27 39.78N 37.24E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=142.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=5.7km az=59.0.
ISC IV 14 23 35 45.8–1.5 37.63N–.08 35.64E–.05 13–9 15 0-2
CSEM IV 14 23 35 35.1–1.2 37.23N 34.88E 18–8 2.6 ¶13568122
DDA IV 14 23 35 45.8 37.66N 35.67E 7 2.7
ISK IV 14 23 35 47.7 37.47N 35.70E 12 2.6
ISCJB IV 14 23 35 47.6–.83 37.45N–.09 35.70E–.06 10–5 2.6
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 15 00 17 09.9–.85 39.00N–.02 28.01E–.02 15–7 56 0-2
ISK IV 15 00 17 09.7 39.00N 28.02E 5 2.8 ¶13568123
DDA IV 15 00 17 09.4 39.01N 28.00E 17 2.6
CSEM IV 15 00 17 10.2–.08 39.00N 28.02E 2 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=16.0.
ISC IV 15 00 37 46.9–.89 39.14N–.02 28.91E–.02 17–8 43 0-1
ISK IV 15 00 37 46.2 39.13N 28.95E 21 2.8 ¶13568124
ISCJB IV 15 00 37 47.0–.48 39.14N–.03 28.90E–.03 12–4 2.8
DDA IV 15 00 37 47.3 39.13N 28.85E 20 2.6
CSEM IV 15 00 37 47.2–.20 39.13N 28.89E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=171.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=30.0.
ISC IV 15 01 36 13.2–1.0 38.03N–.03 38.19E–.03 9–10 38 0-2
CSEM IV 15 01 36 12.5–.29 38.01N 38.15E 2 2.8 ¶13568126
ISK IV 15 01 36 12.3 38.02N 38.20E 6 2.5
DDA IV 15 01 36 12.7 38.05N 38.20E 5 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.6km az=155.0.
DDA Event type ke.
ISC IV 15 01 37 31.8–.83 37.69N–.02 28.04E–.02 15–6 74 0-2
ISCJB IV 15 01 37 31.5–.43 37.70N–.03 28.05E–.03 8–5 ¶13568127
CSEM IV 15 01 37 31.8–.11 37.69N 28.05E 12 2.7
ISK IV 15 01 37 31.3 37.68N 28.06E 17 3.0
DDA IV 15 01 37 31.8 37.71N 28.05E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=135.6.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=63.0.
DDA Event type ke.
ISC IV 15 12 03 32.7–1.1 40.41N–.02 40.53E–.02 4–10 73 0-4
ISCJB IV 15 12 03 33.2–.46 40.38N–.03 40.55E–.02 6–4 ¶13568134
CSEM IV 15 12 03 33.1–.19 40.38N 40.56E 5 2.8L
ISK IV 15 12 03 33.1 40.40N 40.56E 8 2.8L
DDA IV 15 12 03 34.1 40.34N 40.57E 17 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=174.2.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=163.0.
DDA Event type ke.
ISC IV 15 14 27 51.4–1.6 38.62N–.04 37.54E–.04 3–11 26 0-1
CSEM IV 15 14 27 48.5–.27 38.56N 37.33E 2 2.9 ¶13568137
ISK IV 15 14 27 49.9 38.57N 37.50E 5 2.9
DDA IV 15 14 27 51.0 38.64N 37.53E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=117.0.
DDA Event type ke.
ISC IV 15 15 03 48.7–1.0 38.47N–.03 29.69E–.03 10–8 31 0-1
ISK IV 15 15 03 48.3 38.49N 29.67E 8 2.6 ¶13568138
CSEM IV 15 15 03 48.6–.16 38.46N 29.70E 5 2.6
ISCJB IV 15 15 03 48.9–.60 38.50N–.03 29.68E–.04 9–14 2.6
DDA IV 15 15 03 49.2 38.48N 29.63E 7 2.6
ISC Event type ke.

CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.3km az=26.3.
DDA Event type ke.
ISC IV 15 16 07 59.3–.98 39.24N–.02 27.96E–.02 11–9 76 0-2
ISK IV 15 16 07 58.7 39.23N 27.95E 10 2.9 ¶13568140
DDA IV 15 16 07 59.1 39.23N 28.00E 7 2.8
ISCJB IV 15 16 07 59.1–.37 39.23N–.02 27.97E–.03 9–4 2.8
CSEM IV 15 16 07 59.1–.11 39.23N 27.96E 10 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=11.5.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=90.0.
ISC IV 15 17 59 06.1–1.4 37.11N–.04 31.84E–.04 3–12 31 1-2
ISK IV 15 17 59 08.1 37.24N 31.80E 11 2.9 ¶13568141
CSEM IV 15 17 59 08.1–.27 37.21N 31.82E 10 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=177.0.
ISC IV 15 22 06 36.8–.88 38.38N–.03 39.35E–.03 8–5 36 0-1
ISK IV 15 22 06 35.2 38.30N 39.37E 11 2.7 ¶13568143
DDA IV 15 22 06 37.2 38.35N 39.35E 3 2.8L
CSEM IV 15 22 06 37.5–.27 38.40N 39.31E 8 2.8L
ISCJB IV 15 22 06 37.4–.55 38.39N–.03 39.36E–.04 6–4 2.8L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 15 22 21 37.3–1.0 40.38N–.02 40.54E–.01 2–7 4.2b 420 0-76
NEIC IV 15 22 21 36.9 40.39N 40.57E 5 4.4b,4.3L ¶13438647
ISCJB IV 15 22 21 36.9–.50 40.45N–.02 40.49E–.02 5–4 4.0b,4.3L
DDA IV 15 22 21 36.6 40.41N 40.55E 13 3.6,4.3L
CSEM IV 15 22 21 37.8–.13 40.42N 40.54E 5 4.4b,4.3L
IDC IV 15 22 21 37.7–.66 40.51N 40.57E 0 4.0,3.9
ISK IV 15 22 21 37.0 40.36N 40.55E 7 4.2L,3.9
MOS IV 15 22 21 37.6–1.4 40.52N 40.49E 10 4.4b,3.9
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=172.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=165.0.
IDC Error ellipse: s-maj=12.1km s-min=7.1km az=9.0.
MOS Error ellipse: s-maj=5.7km s-min=3.7km az=123.3.
ISC IV 15 23 25 47.0–1.0 37.84N–.02 27.54E–.02 4–10 70 0-3
DDA IV 15 23 25 46.9 37.85N 27.56E 11 2.6 ¶13568146
ISCJB IV 15 23 25 46.9–.45 37.85N–.02 27.54E–.04 4–5 2.6
ISK IV 15 23 25 46.5 37.85N 27.54E 5 2.9
CSEM IV 15 23 25 47.2–.14 37.83N 27.52E 8 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=159.8.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=72.0.
DDA IV 16 01 05 34.2 37.63N 35.61E 7 2.7L
¶15135169
DDA Event type ke.
ISC IV 16 01 28 27.8–1.0 38.26N–.02 27.27E–.03 4–9 48 0-2
ISK IV 16 01 28 27.0 38.25N 27.25E 6 2.5 ¶13568148
ISCJB IV 16 01 28 27.7–.51 38.24N–.02 27.27E–.05 3–6 2.5
DDA IV 16 01 28 27.6 38.24N 27.24E 5 2.4
CSEM IV 16 01 28 28.0–.22 38.24N 27.26E 8 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.7km az=163.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=79.0.
ISC IV 16 04 42 44.6–1.2 38.99N–.02 41.84E–.02 3–12 45 0-3
ISK IV 16 04 42 43.6 39.02N 41.83E 5 3.3 ¶13568151
DDA IV 16 04 42 44.9 39.06N 41.92E 7 2.8
CSEM IV 16 04 42 45.3–.28 39.02N 41.80E 2 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=6.2km az=50.0.
ISC IV 16 06 30 35.6–1.4 37.56N–.07 35.69E–.04 13–8 18 0-1
CSEM IV 16 06 30 34.6–.30 37.62N 35.60E 2 2.0L ¶13568153
DDA IV 16 06 30 35.8 37.55N 35.69E 7 2.7
ISK IV 16 06 30 35.6 37.51N 35.65E 5 2.0L
ISCJB IV 16 06 30 35.1–1.6 37.58N–.07 35.62E–.07 3–10 2.0L
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 16 07 04 49.3–1.1 36.95N–.02 29.17E–.02 6–9 51 0-1
CSEM IV 16 07 04 48.9–.14 36.95N 29.18E 5 2.9 ¶13568154
ISK IV 16 07 04 48.3 36.95N 29.17E 5 2.9
DDA IV 16 07 04 48.8 36.96N 29.17E 7 3.0
ISCJB IV 16 07 04 48.9–.49 36.94N–.03 29.15E–.03 1–7 3.0
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 16 10 45 49.8–1.1 37.63N–.07 35.49E–.03 12 16 0-1
ISCJB IV 16 10 45 50.0–.93 37.63N–.06 35.49E–.05 12 ¶13568156
CSEM IV 16 10 45 49.7–.47 37.64N 35.51E 10 1.8L
ISK IV 16 10 45 49.0 37.67N 35.64E 22 1.8L
DDA IV 16 10 45 50.9 37.44N 35.54E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.2km az=9.2.
CSEM Event type ke. Error ellipse: s-maj=12.6km s-min=6.7km az=28.0.
DDA Event type ke.
ISC IV 16 11 04 13.9–.90 38.46N–.02 29.72E–.03 14–7 57 0-3
CSEM IV 16 11 04 13.6–.14 38.45N 29.74E 10 2.8 ¶13568157
ISK IV 16 11 04 13.4 38.47N 29.73E 17 2.9
DDA IV 16 11 04 13.7 38.46N 29.69E 15 2.8
ISCJB IV 16 11 04 13.5–.48 38.45N–.03 29.75E–.04 11–4 2.8
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 16 12 57 04.2–1.1 36.12N–.02 35.80E–.02 9–9 171 0-18
NSSC IV 16 12 57 01.5–1.9 36.29N 35.70E 0–7 3.3L,2.5 ¶15700024
DDA IV 16 12 57 03.1 36.07N 35.82E 32 3.9L,2.5
ISK IV 16 12 57 03.4 36.08N 35.80E 19 3.5L,2.5
ISCJB IV 16 12 57 04.1–.53 36.09N–.02 35.78E–.02 14–4 3.5L,2.5
CSEM IV 16 12 57 04.3–.09 36.12N 35.79E 10 3.4W,2.5
NIC IV 16 12 57 04.2–.20 36.33N 35.73E 15 4.0b,3.7L
ISC Event type ke.
NSSC Error ellipse: s-maj=8.0km s-min=9.9km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=26.9.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=129.0.
NIC Moment Tensor Solution. $M_0$1.10000×10^{14}
ISC IV 16 13 29 47.9–.83 39.45N–.02 33.09E–.02 7–4 45 0-2
CSEM IV 16 13 29 47.9–.15 39.44N 33.09E 5 2.0L ¶13568163
ISK IV 16 13 29 47.7 39.46N 33.12E 6 2.0L
DDA IV 16 13 29 47.5 39.42N 33.09E 7 2.8
ISCJB IV 16 13 29 48.2–.46 39.45N–.03 33.08E–.04 7–3 2.8
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 16 14 49 43.9–1.0 37.16N–.02 38.79E–.02 6–9 88 0-6
CSEM IV 16 14 49 44.8–.23 37.22N 38.87E 2 3.1 ¶13568165
DDA IV 16 14 49 44.5 37.20N 38.77E 24 3.1
ISK IV 16 14 49 44.4 37.24N 38.74E 2 3.1
NSSC IV 16 14 49 47.0–1.1 37.09N 38.93E 6–10 3.1L,1.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=5.0km az=169.0.
DDA Event type ke.
NSSC Error ellipse: s-maj=5.2km s-min=3.2km az=-1.0.
ISC IV 16 16 17 55.0–1.0 37.86N–.02 27.54E–.02 4–10 60 0-2
ISK IV 16 16 17 54.7 37.88N 27.50E 5 3.0 ¶13568168
DDA IV 16 16 17 54.5 37.85N 27.54E 7 2.9
CSEM IV 16 16 17 55.2–.19 37.86N 27.54E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=66.0.
ISC IV 16 18 07 21.5–.90 37.82N–.03 29.10E–.04 16–6 25 0-1
ISK IV 16 18 07 21.0 37.80N 29.12E 16 2.7 ¶13568172
DDA IV 16 18 07 21.1 37.79N 29.10E 17 2.7
CSEM IV 16 18 07 22.5–.31 37.84N 29.08E 2 2.7
ISCJB IV 16 18 07 22.3–.58 37.82N–.03 29.09E–.05 9–5 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 16 19 19 26.6–.86 37.85N–.02 29.06E–.03 8–6 54 0-2
CSEM IV 16 19 19 26.8–.14 37.84N 29.08E 8 2.9 ¶13568175
ISCJB IV 16 19 19 26.8–.40 37.84N–.02 29.08E–.04 8–4 2.9
ISK IV 16 19 19 26.6 37.83N 29.09E 7 2.9
DDA IV 16 19 19 26.2 37.83N 29.08E 16 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=5.5.
DDA Event type ke.
ISC IV 16 19 30 20.0–1.1 37.84N–.02 29.09E–.03 4–10 37 0-1
CSEM IV 16 19 30 19.5–.17 37.82N 29.12E 8 2.7 ¶13568176
ISK IV 16 19 30 19.0 37.82N 29.09E 14 2.7
DDA IV 16 19 30 19.6 37.84N 29.09E 7 2.7
ISCJB IV 16 19 30 19.7–.47 37.83N–.02 29.10E–.05 7–6 2.7
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 16 20 24 03.5–1.1 37.86N–.06 29.13E–.08 7–22 14 0-1
CSEM IV 16 20 24 01.9–.43 37.73N 29.11E 24–2 2.7 ¶13568177
ISK IV 16 20 24 02.6 37.81N 29.09E 18 2.7
DDA IV 16 20 24 03.9 37.83N 29.10E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.5km az=158.0.
DDA Event type ke.
ISC IV 16 20 51 38.0–1.6 37.90N–.05 29.2E–.10 2–24 14 0-1
ISK IV 16 20 51 36.3 37.79N 29.12E 18 2.8 ¶13568179
CSEM IV 16 20 51 37.0–.29 37.81N 29.13E 15 2.8
DDA IV 16 20 51 38.8 37.83N 29.13E 8 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=6.5km az=105.0.
DDA Event type ke.
DDA IV 16 21 01 49.6 37.84N 29.12E 7 2.3
¶15135149
DDA Event type ke.
ISC IV 16 21 01 53.3–1.2 38.35N–.08 38.86E–.04 15–11 21 0-5
CSEM IV 16 21 01 53.4 38.37N 38.85E 10 2.5 ¶13568180
ISK IV 16 21 01 53.4 38.37N 38.85E 10 2.5
DDA IV 16 21 01 54.6 38.34N 38.82E 6 2.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
DDA Event type ke.
ISC IV 16 21 54 51.4–1.1 37.84N–.03 29.09E–.03 9–9 26 0-1
ISK IV 16 21 54 50.4 37.83N 29.12E 16 2.7 ¶13568181
CSEM IV 16 21 54 51.6–.14 37.85N 29.08E 2 2.7
ISCJB IV 16 21 54 51.4–.56 37.84N–.03 29.09E–.05 9–7 2.7
DDA IV 16 21 54 51.6 37.83N 29.08E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.5km az=13.2.
DDA Event type ke.
ISC IV 17 02 43 10.4–1.7 36.74N–.08 29.38E–.05 7–15 24 0-1
ISK IV 17 02 43 12.7 36.81N 29.28E 18 2.8 ¶13568188
CSEM IV 17 02 43 13.0–.51 36.58N 29.22E 10 2.8
DDA IV 17 02 43 13.1 36.47N 29.11E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.5km s-min=9.6km az=22.0.
DDA Event type ke.
ISK IV 17 04 07 09.4 40.80N 27.76E 6 2.6
CSEM IV 17 04 07 09.4 40.80N 27.76E 6 2.6 ¶13568190
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC IV 17 04 34 42.8–1.0 39.33N–.03 27.96E–.03 10–11 42 0-2
ISK IV 17 04 34 41.6 39.28N 27.92E 8 2.8 ¶13568192
ISCJB IV 17 04 34 42.7–.58 39.32N–.03 27.95E–.04 6–6 2.8
DDA IV 17 04 34 42.3 39.33N 27.96E 7 2.8
CSEM IV 17 04 34 42.8–.21 39.31N 27.97E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.9km az=22.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.8km az=144.0.
ISC IV 17 04 53 41.8–.94 39.99N–.03 41.83E–.03 9–7 33 0-2
ISK IV 17 04 53 40.6 39.94N 41.89E 10 2.1L ¶13568193
ISCJB IV 17 04 53 41.7–.77 39.96N–.04 41.86E–.05 10–4 2.1L
CSEM IV 17 04 53 41.2–.46 39.93N 41.82E 15 2.8
DDA IV 17 04 53 42.1 40.04N 41.79E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.9km az=44.1.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=8.8km az=130.0.
DDA Event type ke.
ISC IV 17 05 01 31.8–1.0 37.83N–.03 29.11E–.04 12–7 24 0-1
CSEM IV 17 05 01 31.9 37.83N 29.09E 11 2.9 ¶15135209
DDA IV 17 05 01 31.9 37.83N 29.09E 11 2.9
ISCJB IV 17 05 01 32.2–.57 37.84N–.03 29.09E–.05 6–5 2.9
ISC Event type ke.
CSEM Event type ke. After DDA.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 17 06 48 22.4–.89 37.83N–.02 29.10E–.03 13–6 40 0-1
ISCJB IV 17 06 48 22.7–.55 37.81N–.03 29.13E–.05 14–4 ¶13568194
ISK IV 17 06 48 22.1 37.81N 29.10E 17 2.8
CSEM IV 17 06 48 22.4–.17 37.81N 29.12E 15 2.8
DDA IV 17 06 48 23.1 37.83N 29.09E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.3km az=169.8.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=86.0.
DDA Event type ke.
ISC IV 17 09 18 10.7–.85 38.45N–.02 35.13E–.02 5–8 102 0-48
ISK IV 17 09 18 10.1 38.45N 35.06E 5 3.7L ¶12935474
DDA IV 17 09 18 10.8 38.45N 35.10E 5 3.9L
ISCJB IV 17 09 18 11.5–.62 38.43N–.02 35.07E–.03 5–5 3.8b,3.3s
CSEM IV 17 09 18 11.8–.15 38.44N 35.06E 2 3.9L,3.3s
IDC IV 17 09 18 13.4–1.4 38.30N 34.74E 0 3.8L,3.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=36.2.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=55.0.
IDC Error ellipse: s-maj=28.8km s-min=14.0km az=70.0.
DDA IV 17 13 03 27.0 37.83N 29.08E 7 2.6
CSEM IV 17 13 03 27.0 37.83N 29.08E 7 2.6 ¶15135193
DDA Event type ke.

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC IV 17 13 06 09.2–.98 37.84N–.03 29.07E–.03 10–8 27 0-1
ISK IV 17 13 06 08.9 37.85N 29.08E 5 2.8 ¶15135191
DDA IV 17 13 06 09.0 37.83N 29.06E 7 2.5
CSEM IV 17 13 06 09.3–.16 37.83N 29.07E 5 2.5
ISCJB IV 17 13 06 09.2–.56 37.84N–.03 29.08E–.06 9–7 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 17 13 32 34.7–.94 37.80N–.04 29.09E–.05 16–6 28 0-1
ISK IV 17 13 32 34.3 37.81N 29.02E 18 2.9 ¶13568199
CSEM IV 17 13 32 34.9–.27 37.79N 29.06E 13–2 2.9
ISCJB IV 17 13 32 35.0–.63 37.80N–.03 29.06E–.07 12–5 2.9
DDA IV 17 13 32 35.3 37.84N 29.09E 7 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=5.4km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.4km az=11.2.
DDA Event type ke.
ISC IV 17 14 17 05.7–.85 37.81N–.02 29.11E–.03 14–5 51 0-2
ISK IV 17 14 17 05.2 37.81N 29.14E 5 2.9 ¶13568201
ISCJB IV 17 14 17 05.8–.42 37.82N–.02 29.11E–.04 9–4 2.9
CSEM IV 17 14 17 05.7–.12 37.80N 29.12E 8 2.9
DDA IV 17 14 17 06.0 37.83N 29.10E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=102.0.
DDA Event type ke.
CSEM IV 17 14 23 38.5–.09 37.83N 29.09E 5 3.0
ISK IV 17 14 23 38.1 37.85N 29.07E 6 3.0 ¶13568202
DDA IV 17 14 23 38.7 37.84N 29.09E 7 3.1
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=95.0.
DDA Event type ke.
ISC IV 17 17 50 00.6–1.0 37.68N–.02 34.73E–.02 8–9 100 0-4
ISK IV 17 17 49 59.9 37.69N 34.73E 5 3.5 ¶13568207
DDA IV 17 17 49 59.7 37.68N 34.73E 13 3.3
CSEM IV 17 17 50 00.4–.13 37.67N 34.72E 2 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=58.0.
ISK IV 17 17 55 39.1 37.85N 29.11E 8 2.8
CSEM IV 17 17 55 39.1 37.85N 29.11E 8 2.8 ¶13568208
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC IV 18 02 41 22.1–.98 39.08N–.02 29.04E–.02 7–9 50 0-2
DDA IV 18 02 41 21.9 39.09N 29.05E 11 2.8 ¶13568214
ISCJB IV 18 02 41 21.8–.47 39.09N–.03 29.04E–.03 2–6 2.8
ISK IV 18 02 41 21.1 39.08N 29.06E 8 2.8
CSEM IV 18 02 41 22.0–.11 39.09N 29.05E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=167.5.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=4.0.
ISC IV 18 03 14 49.2–.95 37.33N–.02 36.27E–.02 11–8 62 0-4
ISK IV 18 03 14 48.5 37.31N 36.30E 7 3.4 ¶13568217
NSSC IV 18 03 14 48.5–2.3 37.41N 36.39E 5–16 2.4L,1.1
DDA IV 18 03 14 49.2 37.38N 36.25E 7 3.2,1.1
ISCJB IV 18 03 14 49.1–.49 37.32N–.03 36.29E–.03 10–4 3.2,1.1
CSEM IV 18 03 14 49.2–.19 37.33N 36.28E 10 3.2,1.1
ISC Event type ke.
NSSC Error ellipse: s-maj=24.6km s-min=27.6km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=15.4.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=9.0.
ISC IV 18 03 19 10.0–1.2 37.00N–.02 29.18E–.02 0–11 69 0-4
ATH IV 18 03 19 06.3 36.10N 29.88E 6 3.6 ¶13568218
ISK IV 18 03 19 09.5 36.99N 29.16E 5 2.9
DDA IV 18 03 19 10.2 36.99N 29.17E 7 3.0
CSEM IV 18 03 19 10.3–.15 37.01N 29.17E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=150.0.
ISC IV 18 04 06 53.8–.99 39.08N–.02 29.04E–.02 7–11 42 0-2
ISK IV 18 04 06 52.9 39.05N 29.10E 7 2.9 ¶13568221
ISCJB IV 18 04 06 53.6–.49 39.08N–.03 29.04E–.04 4–7 2.9
DDA IV 18 04 06 53.4 39.09N 29.04E 7 3.0
CSEM IV 18 04 06 53.7–.16 39.07N 29.04E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=149.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=96.0.
ISC IV 18 13 33 01.7–1.4 39.09N–.03 27.62E–.03 8–12 37 0-2
ISK IV 18 13 33 01.1 39.13N 27.59E 8 1.9L ¶13568227
ISCJB IV 18 13 33 01.4–.66 39.12N–.04 27.59E–.06 9–7 1.9L
CSEM IV 18 13 33 01.6–.18 39.09N 27.62E 12 2.7
DDA IV 18 13 33 02.1 39.01N 27.63E 25 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.0km az=0.2.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=81.0.
DDA Event type ke.
ISC IV 18 13 51 12.3–1.1 39.40N–.04 43.96E–.05 10 16 0-3
ISK IV 18 13 51 12.2 39.39N 44.02E 5 2.5L ¶13568228
CSEM IV 18 13 51 13.4–.65 39.38N 43.93E 2 2.5L
ISCJB IV 18 13 51 13.2–1.2 39.31N–.08 44.1E–.10 10 2.5L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 18 18 20 40.8–.85 38.41N–.03 39.04E–.02 12–6 40 0-2
DDA IV 18 18 20 40.0 38.38N 39.03E 16 2.9 ¶13568230
ISK IV 18 18 20 40.0 38.42N 39.04E 7 2.8
ISCJB IV 18 18 20 40.7–.46 38.39N–.04 39.02E–.03 8–4 2.8
CSEM IV 18 18 20 40.5–.23 38.44N 39.02E 5 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.6km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.3km az=11.0.
ISC IV 18 21 48 29.6–1.0 39.03N–.03 29.68E–.03 11–9 34 0-2
ISCJB IV 18 21 48 29.3–.55 39.02N–.03 29.68E–.04 8–6 ¶13568235
ISK IV 18 21 48 29.2 39.05N 29.69E 10 2.7
CSEM IV 18 21 48 29.5–.09 39.03N 29.69E 8 2.8
DDA IV 18 21 48 30.5 39.01N 29.61E 6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.2km az=136.9.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=69.0.
DDA Event type ke.
DDA IV 18 22 41 03.7 37.96N 29.25E 7 2.7
¶14370408
DDA Event type ke.
ISC IV 18 23 11 49.4–1.1 39.43N–.03 43.89E–.03 3–12 30 0-3
DDA IV 18 23 11 48 39.51N 43.92E 5 2.9 ¶13568236
ISK IV 18 23 11 49.2 39.39N 44.03E 9 2.2L
CSEM IV 18 23 11 49.0–.26 39.43N 43.89E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.4km az=106.0.
ISC IV 19 00 28 59.6–1.1 37.50N–.02 30.42E–.03 7–10 97 0-4
ISK IV 19 00 28 58.7 37.49N 30.42E 8 3.5 ¶13568238
DDA IV 19 00 28 59.5 37.54N 30.41E 20 3.3L
ISCJB IV 19 00 28 59.1–.49 37.50N–.03 30.44E–.03 6–5 3.3L
CSEM IV 19 00 28 59.0–.09 37.49N 30.41E 2 3.5
ISC Event type ke.
DDA Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=40.7.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=145.0.
ISC IV 19 00 58 10.2–1.0 38.60N–.04 39.64E–.04 13–9 22 0-2
ISK IV 19 00 58 07.8 38.59N 39.70E 5 2.7 ¶13568240
DDA IV 19 00 58 09.9 38.53N 39.65E 7 2.8
CSEM IV 19 00 58 09.8–.86 38.62N 39.66E 10 2.7
ISCJB IV 19 00 58 10.4–.86 38.61N–.04 39.64E–.06 6–12 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 19 03 55 56.2–1.1 37.72N–.02 29.87E–.02 10–12 55 1-2
ISCJB IV 19 03 55 55.8–.42 37.72N–.02 29.86E–.03 8–5 ¶13568241
ISK IV 19 03 55 55.5 37.72N 29.85E 9 2.9
DDA IV 19 03 55 55.4 37.72N 29.90E 7 2.8
CSEM IV 19 03 55 55.9–.14 37.71N 29.88E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=24.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=97.0.
ISC IV 19 04 29 07.2–.97 39.12N–.03 29.06E–.03 10–11 31 0-1
ISK IV 19 04 29 06.1 39.11N 29.07E 5 2.7 ¶13568242
ISCJB IV 19 04 29 07.0–.49 39.10N–.03 29.08E–.03 9–6 2.7
CSEM IV 19 04 29 07.0–.16 39.12N 29.07E 5 2.6
DDA IV 19 04 29 07.1 39.08N 29.07E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=173.4.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=75.0.
DDA Event type ke.
ISC IV 19 08 13 03.8–.90 38.16N–.03 37.80E–.03 11–7 47 0-2
ISK IV 19 08 13 03.0 38.17N 37.77E 9 2.8 ¶13568244
DDA IV 19 08 13 03.4 38.13N 37.84E 7 2.9
CSEM IV 19 08 13 03.8–.22 38.19N 37.79E 10 2.9
ISCJB IV 19 08 13 03.7–.49 38.15N–.02 37.79E–.03 3–5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
DDA IV 19 10 28 21 37.39N 42.45E 12 2.5
¶15135980
DDA Event type ke.
ISC IV 19 14 17 31.6–1.1 40.08N–.04 38.90E–.03 14–12 24 0-1
ISK IV 19 14 17 31.0 40.08N 38.87E 9 2.8 ¶13568249
CSEM IV 19 14 17 31.7–.21 40.07N 38.92E 10 2.8
DDA IV 19 14 17 32.1 40.06N 38.89E 7 2.8
ISCJB IV 19 14 17 32.3–.67 40.09N–.04 38.92E–.05 21–14 2.8
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 19 16 13 24.8–1.1 39.98N–.03 40.01E–.03 12–13 26 0-1
ISK IV 19 16 13 24.6 39.99N 40.02E 6 2.8 ¶13568254
CSEM IV 19 16 13 24.7–.33 39.92N 40.01E 2 2.8
DDA IV 19 16 13 25.6 40.13N 40.02E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.2km az=162.0.
DDA Event type ke.
ISC IV 19 18 33 38.6–1.2 40.16N–.02 42.04E–.03 2–12 43 0-2
ISCJB IV 19 18 33 39.0–.56 40.16N–.03 42.03E–.04 5–5 ¶13568256
ISK IV 19 18 33 38.4 40.22N 42.02E 4 3.2
DDA IV 19 18 33 38.6 40.16N 42.07E 2 3.0
CSEM IV 19 18 33 38.6–.27 40.15N 41.99E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=17.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=6.3km az=112.0.
ISC IV 19 19 29 43.0–1.0 40.38N–.03 37.92E–.03 12–11 41 0-3
ISK IV 19 19 29 42.8 40.44N 37.89E 5 3.1 ¶13568259
ISCJB IV 19 19 29 43.1–.63 40.40N–.04 37.91E–.03 4–6 3.1
DDA IV 19 19 29 43.6 40.40N 37.99E 7 3.1
CSEM IV 19 19 29 43.0–.18 40.39N 37.92E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.4km az=168.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=171.0.
ISC IV 19 20 48 23.3–.98 39.12N–.02 29.03E–.02 7–9 171 0-4
DDA IV 19 20 48 22.4 39.09N 29.04E 8 3.5 ¶13568260
ISK IV 19 20 48 22.7 39.13N 29.03E 5 3.5
ISCJB IV 19 20 48 22.8–.40 39.11N–.02 29.02E–.02 4–3 3.5
CSEM IV 19 20 48 23.1–.05 39.12N 29.03E 2 3.5
THE IV 19 20 48 24.7 39.09N 29.02E 7–15 3.1L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=161.6.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=42.0.
THE Event type ke. Error ellipse: s-maj=15.1km s-min=0.9km az=45.0.
ISC IV 19 22 24 11.4–.00 37.83N–.02 27.55E–.02 8–9 107 0-4
DDA IV 19 22 24 11.3 37.83N 27.54E 7 3.2 ¶13568263
ISK IV 19 22 24 11.5 37.83N 27.54E 5 3.3
ISCJB IV 19 22 24 11.5–.48 37.83N–.02 27.55E–.03 2–5 3.3
CSEM IV 19 22 24 12.1–.15 37.82N 27.56E 2 3.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.9km az=144.1.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=52.0.
ISC IV 19 22 40 05.3–.92 37.85N–.02 27.56E–.03 12–8 44 0-2
DDA IV 19 22 40 05.3 37.83N 27.56E 7 2.9 ¶13568264
ISK IV 19 22 40 05.2 37.86N 27.54E 5 2.9
ISCJB IV 19 22 40 05.3–.51 37.85N–.02 27.56E–.04 2–7 2.9
CSEM IV 19 22 40 05.7–.16 37.84N 27.57E 5 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.7km az=156.5.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=76.0.
ISC IV 20 03 11 58.2–1.0 37.85N–.02 27.54E–.02 4–10 58 0-2
ISCJB IV 20 03 11 58.0–.48 37.85N–.03 27.53E–.04 3–6 ¶13568268
ISK IV 20 03 11 57.7 37.86N 27.53E 5 3.0
DDA IV 20 03 11 57.8 37.84N 27.55E 7 3.0
CSEM IV 20 03 11 58.3–.14 37.83N 27.52E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=149.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=71.0.
ISC IV 20 06 30 02.4–.93 38.66N–.04 39.12E–.05 17–8 22 0-1
ISK IV 20 06 30 01.7 38.65N 39.04E 8 2.7 ¶13568270
DDA IV 20 06 30 02.8 38.69N 39.08E 7 2.4
CSEM IV 20 06 30 02.3–.24 38.66N 39.11E 15 2.4
ISCJB IV 20 06 30 03.0–.67 38.66N–.04 39.12E–.08 10–9 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 20 08 32 58.5–1.1 39.34N–.03 33.19E–.03 6–11 26 0-2
ISCJB IV 20 08 32 58.5–.87 39.34N–.04 33.20E–.04 2–8 ¶13568271
ISK IV 20 08 32 58.2 39.42N 33.21E 8 2.5
DDA IV 20 08 32 58.4 39.36N 33.17E 7 2.6
CSEM IV 20 08 32 58.4–.18 39.35N 33.19E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.4km az=177.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=151.0.

ISC IV 20 10 35 07.5–.99 37.94N–.03 29.43E–.03 12–10 34 0-1
DDA IV 20 10 35 07.4 37.96N 29.41E 7 3.0 ¶13568276
ISK IV 20 10 35 07.2 37.98N 29.40E 18 2.7
CSEM IV 20 10 35 07.3–.18 37.95N 29.43E 12 2.7
ISCJB IV 20 10 35 07.3–.59 37.96N–.03 29.45E–.04 9–6 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 20 10 44 17.6–.78 40.71N–.02 27.51E–.02 15–5 145 0-7
SOF IV 20 10 44 16.3 40.70N 27.36E 6 3.0 ¶13568277
ISCJB IV 20 10 44 17.6–.27 40.71N–.02 27.48E–.02 18–3 3.0
DDA IV 20 10 44 17.2 40.72N 27.51E 7 3.8L
CSEM IV 20 10 44 17.4–.08 40.71N 27.50E 13–0 3.1
ISK IV 20 10 44 17.0 40.71N 27.50E 16 3.1
ATH IV 20 10 44 17.9 40.65N 27.45E 35–10 3.1
THE IV 20 10 44 20.0 40.63N 27.30E 9–1 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=1.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=3.0.
ATH Error ellipse: s-maj=6.2km s-min=7.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=45.0.
ISC IV 20 12 22 48.8–.97 39.11N–.02 29.03E–.02 8–7 3.8b 200 0-73
ISK IV 20 12 22 47.9 39.12N 29.02E 9 3.8L ¶12935733
IDC IV 20 12 22 47.1–1.1 39.05N 28.92E 0 3.9,3.8
DDA IV 20 12 22 48.0 39.10N 29.04E 5 3.8L,3.8
ISCJB IV 20 12 22 48.3–.41 39.12N–.02 29.01E–.02 10–3 3.9b,3.8
CSEM IV 20 12 22 48.4–.07 39.10N 29.02E 5 3.8L,3.8
THE IV 20 12 22 50.0 39.09N 29.00E 6–2 4.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=16.2km az=4.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=152.2.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=30.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=24.0.
ISC IV 20 12 57 21.9–1.0 39.11N–.04 29.07E–.04 8–17 26 0-1
CSEM IV 20 12 57 21.9–.15 39.11N 29.07E 2 2.8 ¶13568279
ISK IV 20 12 57 21.2 39.09N 29.09E 8 2.7
DDA IV 20 12 57 21.8 39.12N 29.05E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=131.0.
DDA Event type ke.
ISC IV 20 13 06 00.2–1.1 39.10N–.02 29.06E–.02 5–10 66 0-2
ISK IV 20 13 05 59.6 39.10N 29.04E 5 2.9 ¶13568280
CSEM IV 20 13 06 00.3–.10 39.10N 29.05E 5 2.9
DDA IV 20 13 06 00.4 39.08N 29.04E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=144.0.
DDA Event type ke.
ISC IV 20 13 06 38.5–1.1 38.04N–.03 38.16E–.04 9–11 29 0-2
CSEM IV 20 13 06 38.7–.10 38.04N 38.19E 12 2.8 ¶13568281
ISCJB IV 20 13 06 38.5–.57 38.03N–.03 38.18E–.05 8–7 2.8
ISK IV 20 13 06 38.0 38.04N 38.17E 8 2.8
DDA IV 20 13 06 38.3 38.04N 38.23E 2 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.0km az=144.7.
DDA Event type ke.
ISC IV 20 16 05 22.9–.89 39.11N–.03 29.01E–.02 17–8 32 0-1
ISCJB IV 20 16 05 22.8–.52 39.10N–.04 29.02E–.04 10–6 ¶13568286
ISK IV 20 16 05 22.2 39.14N 28.97E 8 2.8
DDA IV 20 16 05 23.0 39.09N 29.02E 7 2.9
CSEM IV 20 16 05 22.9–.17 39.09N 28.99E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.8km az=153.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=167.0.
ISC IV 20 16 07 03.6–1.1 40.58N–.03 40.99E–.03 15–10 34 1-2
ISCJB IV 20 16 07 03.4–.54 40.58N–.03 40.99E–.04 6–7 ¶13568287
ISK IV 20 16 07 03.0 40.58N 41.00E 5 1.8L
DDA IV 20 16 07 03.3 40.58N 40.97E 7 2.8
CSEM IV 20 16 07 03.6–.13 40.58N 40.99E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=45.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=143.0.
ISC IV 20 16 29 52.8–.94 39.51N–.04 33.49E–.02 11–9 26 0-1
CSEM IV 20 16 29 52.7–.15 39.52N 33.49E 10 2.6 ¶13568288
ISCJB IV 20 16 29 53.0–.57 39.51N–.06 33.50E–.04 10–7 2.6
ISK IV 20 16 29 52.3 39.50N 33.50E 10 2.6
DDA IV 20 16 29 53.0 39.53N 33.48E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.8km az=7.0.
DDA Event type ke.
ISC IV 20 17 54 16.4–1.1 37.86N–.02 27.54E–.02 3–10 40 0-2
DDA IV 20 17 54 16.6 37.89N 27.60E 7 2.8 ¶13568289
ISK IV 20 17 54 16.0 37.86N 27.50E 5 2.8
ISCJB IV 20 17 54 16.1–.52 37.86N–.03 27.54E–.04 2–7 2.8
CSEM IV 20 17 54 16.5–.31 37.84N 27.55E 2 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.1km az=145.9.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.6km az=9.0.
ISC IV 20 18 57 27.7–1.0 37.83N–.02 27.51E–.02 8–11 54 0-2
ISK IV 20 18 57 26.7 37.87N 27.51E 5 2.9 ¶13568290
CSEM IV 20 18 57 27.9–.18 37.85N 27.57E 2 3.2
ISCJB IV 20 18 57 27.7–.51 37.87N–.03 27.56E–.04 1–7 3.2
DDA IV 20 18 57 27.8 37.84N 27.54E 8 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=149.4.
DDA Event type ke.
DDA IV 20 20 24 07.1 37.96N 38.12E 5 2.8
¶15136001
DDA Event type ke.
ISC IV 20 23 03 04.8–.89 39.10N–.02 29.03E–.02 12–7 79 0-2
DDA IV 20 23 03 04.4 39.09N 29.01E 20 3.0 ¶13568294
ISK IV 20 23 03 04.1 39.11N 29.05E 6 3.1
CSEM IV 20 23 03 04.6–.08 39.11N 29.04E 5 3.0
ISCJB IV 20 23 03 04.3–.39 39.11N–.02 29.05E–.02 2–5 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 21 03 50 13.0–1.3 39.01N–.04 43.64E–.06 9–13 10 0-1
DDA IV 21 03 50 12.8 39.03N 43.65E 7 2.8 ¶15136043
ISC Event type ke.
DDA Event type ke.
ISC IV 21 04 30 34.5–1.2 37.29N–.03 36.34E–.03 3–11 30 0-2
ISK IV 21 04 30 33.9 37.27N 36.39E 8 1.6L ¶13568297
CSEM IV 21 04 30 34.9–.35 37.28N 36.34E 2 1.6L
DDA IV 21 04 30 36.4 37.37N 36.37E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=7.5km az=137.0.
DDA Event type ke.
ISC IV 21 04 42 21.8–.90 39.11N–.02 29.08E–.02 13–8 51 0-2
ISK IV 21 04 42 20.8 39.11N 29.08E 5 2.9 ¶13568298
ISCJB IV 21 04 42 21.4–.42 39.11N–.03 29.08E–.03 5–6 2.9
CSEM IV 21 04 42 21.7–.07 39.11N 29.09E 8 2.8
DDA IV 21 04 42 21.8 39.10N 29.07E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=149.3.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=44.0.
DDA Event type ke.
ISC IV 21 05 05 09.8–.90 39.12N–.02 29.07E–.02 12–9 70 0-2
ISK IV 21 05 05 08.8 39.11N 29.08E 5 3.0 ¶13568299
CSEM IV 21 05 05 09.6–.10 39.12N 29.07E 5 3.0
DDA IV 21 05 05 09.3 39.11N 29.07E 7 3.0
ISCJB IV 21 05 05 09.3–.42 39.12N–.02 29.07E–.03 3–5 3.0
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
DDA IV 21 05 07 01.0 39.11N 29.08E 7 2.6
CSEM IV 21 05 07 01.0 39.11N 29.08E 7 2.6 ¶15136040
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
DDA IV 21 05 36 58.5 39.05N 29.03E 7 2.5
CSEM IV 21 05 36 56.3–.37 39.20N 29.12E 2 2.5 ¶15136037
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=7.6km az=15.0.
ISC IV 21 07 12 42.6–1.1 37.40N–.04 30.89E–.03 7–10 35 0-2
ISK IV 21 07 12 40.9 37.33N 30.89E 8 2.9 ¶13568300
CSEM IV 21 07 12 42.2–.29 37.36N 30.85E 10 2.9
DDA IV 21 07 12 43.5 37.44N 31.03E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=5.4km az=169.0.
DDA Event type ke.
ISC IV 21 10 14 14.3–1.1 39.88N–.03 38.98E–.03 7–10 41 0-2
ISK IV 21 10 14 14.3 39.88N 39.01E 5 2.9 ¶13568302
CSEM IV 21 10 14 15.2–.18 39.84N 39.05E 10 2.9
ISCJB IV 21 10 14 15.1–.48 39.86N–.03 39.02E–.04 6–7 2.9
DDA IV 21 10 14 15.5 39.86N 39.03E 7 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=36.9.
DDA Event type ke.
ISC IV 21 16 02 37.3–.00 39.11N–.02 29.04E–.02 6–9 85 0-2
ISK IV 21 16 02 36.4 39.10N 29.04E 6 3.2 ¶13568307
CSEM IV 21 16 02 37.1–.06 39.11N 29.04E 5 3.1
DDA IV 21 16 02 37.1 39.11N 29.04E 7 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=141.0.
DDA Event type ke.
ISC IV 21 17 13 21.9–.87 40.82N–.03 30.83E–.03 16–5 42 0-2
CSEM IV 21 17 13 21.7–.14 40.82N 30.83E 10 2.8 ¶13568308
ISCJB IV 21 17 13 21.6–.50 40.83N–.03 30.79E–.04 9–5 2.8
ISK IV 21 17 13 21.2 40.80N 30.83E 10 2.8
DDA IV 21 17 13 22.4 40.80N 30.78E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=136.2.
DDA Event type ke.
ISC IV 21 17 17 37.4–1.0 39.06N–.02 41.97E–.02 8–9 72 0-4
DDA IV 21 17 17 35.5 39.12N 42.11E 4 3.3 ¶13568309
CSEM IV 21 17 17 36.3–.18 39.09N 41.98E 2 3.6
ISK IV 21 17 17 36.1 39.07N 41.96E 6 3.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=17.0.
ISC IV 21 19 01 50.6–.92 39.10N–.02 29.04E–.02 11–9 54 0-2
DDA IV 21 19 01 50.4 39.08N 29.04E 7 2.8 ¶13568313
ISCJB IV 21 19 01 50.4–.43 39.10N–.03 29.04E–.03 4–6 2.8
CSEM IV 21 19 01 50.5–.08 39.11N 29.05E 5 2.8
ISK IV 21 19 01 50.1 39.10N 29.06E 8 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=149.2.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=139.0.
ISC IV 21 23 38 32.3–1.0 39.05N–.02 27.70E–.02 6–10 54 0-2
CSEM IV 21 23 38 31.8–.14 39.05N 27.70E 2 2.9 ¶13568317
ISK IV 21 23 38 31.1 39.05N 27.71E 3 2.9
DDA IV 21 23 38 31.4 39.06N 27.70E 8 3.0
ISCJB IV 21 23 38 31.8–.45 39.06N–.02 27.69E–.03 4–5 3.0
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 21 23 43 47.4–.93 39.03N–.04 27.71E–.03 13–8 31 0-1
ISK IV 21 23 43 46.6 39.05N 27.69E 7 2.8 ¶13568318
CSEM IV 21 23 43 47.2–.18 39.02N 27.72E 10 2.8
ISCJB IV 21 23 43 47.1–.76 39.05N–.05 27.69E–.05 7–11 2.8
DDA IV 21 23 43 47.0 39.04N 27.70E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=142.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.5km az=149.0.
DDA Event type ke.
ISC IV 21 23 54 35.2–1.2 37.19N–.02 36.31E–.03 3–10 46 0-2
ISK IV 21 23 54 35.8 37.15N 36.33E 8 1.7L ¶13568319
CSEM IV 21 23 54 35.8–.21 37.18N 36.36E 2 2.9
DDA IV 21 23 54 35.5 37.20N 36.43E 6 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=103.0.
DDA Event type ke.
ISC IV 22 04 34 05.6–.95 38.15N–.03 40.12E–.03 13–8 28 0-2
CSEM IV 22 04 34 04.7–.15 38.20N 40.17E 10 2.9 ¶13568320
DDA IV 22 04 34 05.6 38.15N 40.15E 7 2.8
ISK IV 22 04 34 06.0 38.11N 40.07E 9 2.9
ISCJB IV 22 04 34 06.2–.59 38.13N–.03 40.10E–.04 12–5 2.9
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 22 10 46 37.2–1.1 39.98N–.02 33.54E–.03 9–11 35 1-2
ISK IV 22 10 46 35.8 40.00N 33.54E 5 2.6 ¶13568323
ISCJB IV 22 10 46 37.1–.58 39.98N–.03 33.57E–.04 1–8 2.6
DDA IV 22 10 46 37.3 39.97N 33.56E 7 2.9
CSEM IV 22 10 46 37.1–.19 39.98N 33.54E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.6km az=3.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=142.0.
ISC IV 22 17 35 54.5–.99 39.14N–.03 28.99E–.03 15–8 28 0-1
ISK IV 22 17 35 52.9 39.18N 28.87E 6 2.6 ¶13568326
ISCJB IV 22 17 35 54.4–.60 39.15N–.05 28.98E–.05 18–11 2.6
DDA IV 22 17 35 54.7 39.07N 29.03E 7 2.6
CSEM IV 22 17 35 54.1–.15 39.15N 28.96E 15 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.1km az=144.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=138.0.
ISC IV 22 21 48 31.8–.90 39.17N–.02 29.02E–.03 14–9 42 0-2
CSEM IV 22 21 48 31.9–.19 39.15N 29.04E 12 2.8 ¶13568331
ISCJB IV 22 21 48 31.8–.47 39.16N–.03 29.05E–.04 10–5 2.8
ISK IV 22 21 48 31.1 39.20N 28.98E 5 2.9
DDA IV 22 21 48 32.5 39.08N 29.06E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.4km az=7.0.
DDA Event type ke.

ISC IV 22 22 15 30.6–1.0 38.61N–.03 31.14E–.02 6–9 61 0-2
ISK IV 22 22 15 29.6 38.63N 31.14E 5 3.2 ¶13568333
CSEM IV 22 22 15 30.3–.13 38.61N 31.14E 2 3.0
DDA IV 22 22 15 30.2 38.60N 31.14E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=5.0.
DDA Event type ke.
ISC IV 23 02 56 02.5–1.1 39.14N–.02 29.06E–.02 5–10 133 0-3
ISK IV 23 02 56 03.3 39.15N 29.10E 4 3.3 ¶13568335
DDA IV 23 02 56 03.0 39.14N 29.06E 8 3.6L
CSEM IV 23 02 56 03.8–.08 39.14N 29.09E 2 3.6L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=76.0.
DDA IV 23 08 40 35.2 37.98N 43.04E 28 3.1L,2.8
CSEM IV 23 08 40 36.4–.49 38.04N 43.07E 15 3.1L,2.8 ¶15136072
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=10.8km az=37.0.
ISC IV 23 09 12 14.6–1.4 37.12N–.07 37.10E–.04 9–7 28 0-2
ISCJB IV 23 09 12 13.8–1.6 37.02N–.07 37.11E–.05 2–8 ¶13568338
ISK IV 23 09 12 14.2 37.10N 37.10E 4 2.8
CSEM IV 23 09 12 14.5–.90 37.06N 37.12E 8 2.9
DDA IV 23 09 12 15.4 37.11N 37.13E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.3km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=19.9km s-min=9.9km az=6.0.
DDA Event type ke.
ISC IV 23 09 22 49.2–1.0 37.68N–.05 36.53E–.03 8–10 24 0-2
ISK IV 23 09 22 48.8 37.70N 36.57E 5 2.6 ¶13568339
CSEM IV 23 09 22 48.0–.63 37.85N 36.48E 2 2.8
DDA IV 23 09 22 49.2 37.66N 36.55E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.4km s-min=11.7km az=130.0.
DDA Event type ke.
ISK IV 23 15 17 08.9 37.52N 35.50E 9 2.9
CSEM IV 23 15 17 08.9–.25 37.52N 35.47E 10 2.9 ¶13568341
DDA IV 23 15 17 08.1 37.47N 35.40E 7 2.8
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=5.3km az=23.0.
DDA Event type ke.
ISK IV 23 18 01 28.8 39.58N 38.68E 13 2.9
CSEM IV 23 18 01 28.8 39.58N 38.68E 13 2.9 ¶13568346
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC IV 23 22 20 10.7–1.1 38.87N–.02 38.81E–.02 6–12 36 0-1
ISK IV 23 22 20 08.3 38.91N 38.77E 5 2.8 ¶13568351
DDA IV 23 22 20 09.8 38.88N 38.82E 7 2.9
CSEM IV 23 22 20 10.3–.24 38.87N 38.80E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=114.0.
ISC IV 23 23 23 00.0–1.1 38.65N–.04 39.82E–.03 15–10 28 0-2
ISK IV 23 23 22 59.3 38.67N 39.84E 18 2.9 ¶13568353
DDA IV 23 23 22 60.0 38.61N 39.83E 7 3.2
ISCJB IV 23 23 23 00.5–.54 38.68N–.05 39.81E–.04 23–8 3.2
CSEM IV 23 23 23 01.3–.33 38.67N 39.70E 20 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.3km az=166.0.
CSEM Event type ke. Error ellipse: s-maj=11.5km s-min=6.4km az=153.0.
ISC IV 24 01 16 22.5–.88 37.45N–.02 27.71E–.03 12–7 42 0-1
ISK IV 24 01 16 22.1 37.44N 27.69E 5 2.7 ¶13568354
DDA IV 24 01 16 22.5 37.48N 27.70E 7 2.8
ISCJB IV 24 01 16 22.2–.45 37.44N–.02 27.69E–.04 9–5 2.8
CSEM IV 24 01 16 22.4–.16 37.45N 27.72E 5 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=163.6.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=72.0.
ISC IV 24 01 49 50.3–.94 39.10N–.02 29.03E–.02 14–9 36 0-1
ISK IV 24 01 49 49.8 39.10N 29.03E 7 2.7 ¶13568355
ISCJB IV 24 01 49 50.2–.49 39.09N–.03 29.03E–.03 6–10 2.7
DDA IV 24 01 49 50.2 39.09N 29.01E 7 2.6
CSEM IV 24 01 49 50.4–.08 39.10N 29.02E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.3km az=138.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=86.0.
ISC IV 24 03 12 22.7–1.1 39.17N–.03 29.06E–.03 6–11 32 0-2
ISK IV 24 03 12 21.6 39.16N 29.06E 5 2.6 ¶13568357
ISCJB IV 24 03 12 23.1–.55 39.16N–.03 29.06E–.04 9–6 2.6
CSEM IV 24 03 12 23.3–.31 39.15N 29.07E 15 2.8
DDA IV 24 03 12 24.5 39.09N 29.04E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.8km az=30.8.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.4km az=100.0.
DDA Event type ke.
ISC IV 24 04 16 59.2–1.0 38.97N–.02 29.66E–.02 5–9 76 0-2
DDA IV 24 04 16 58.7 38.96N 29.65E 11 2.9 ¶13568359
CSEM IV 24 04 16 59.3–.14 38.98N 29.65E 2 2.9
ISCJB IV 24 04 16 59.2–.43 38.96N–.02 29.64E–.02 3–4 2.9
ISK IV 24 04 16 59.0 38.98N 29.61E 5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=7.8.
ISC IV 24 06 45 37.3–.99 39.11N–.02 29.02E–.02 7–9 78 0-2
DDA IV 24 06 45 36.8 39.14N 29.02E 6 3.2 ¶13568361
ISK IV 24 06 45 37.0 39.11N 29.02E 5 3.3
CSEM IV 24 06 45 37.4–.09 39.10N 29.02E 2 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=18.0.
DDA IV 24 08 22 16.0 39.70N 29.43E 7 2.6
¶15136094
DDA Event type ke.
ISC IV 24 09 10 29.0–.89 37.24N–.04 28.20E–.04 14–6 28 0-1
DDA IV 24 09 10 27.0 37.11N 27.69E 7 2.7 ¶13568362
ISK IV 24 09 10 28.4 37.28N 28.23E 11 2.6
CSEM IV 24 09 10 29.0–.13 37.23N 28.21E 16–1 2.6
ISCJB IV 24 09 10 29.0–.59 37.23N–.06 28.20E–.06 14–6 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 24 09 24 50.7–.84 37.53N–.02 35.71E–.02 18–5 55 0-2
DDA IV 24 09 24 49.9 37.56N 35.70E 5 3.2 ¶13568363
CSEM IV 24 09 24 50.4–.15 37.56N 35.70E 15 3.0
ISCJB IV 24 09 24 50.4–.51 37.57N–.03 35.72E–.04 12–4 3.0
ISK IV 24 09 24 50.0 37.56N 35.73E 20 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.6km az=22.7.
ISC IV 24 09 42 53.7–.87 38.12N–.02 38.51E–.02 12–7 77 0-3
ISK IV 24 09 42 52.4 38.09N 38.53E 14 3.3 ¶13568365
CSEM IV 24 09 42 53.5–.18 38.10N 38.52E 10 3.3
ISCJB IV 24 09 42 53.1–.47 38.09N–.02 38.54E–.03 7–4 3.3
DDA IV 24 09 42 53.6 38.11N 38.48E 13 3.2
NSSC IV 24 09 42 53.5–2.4 38.09N 38.65E 3–29 2.4L,1.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=4.0km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.9km az=10.5.
DDA Event type ke.
NSSC Error ellipse: s-maj=54.7km s-min=8.8km az=-1.0.
ISC IV 24 14 16 42.8–1.0 39.09N–.02 29.04E–.03 8–13 31 0-2
ISCJB IV 24 14 16 42.5–.56 39.08N–.04 29.05E–.04 3–10 ¶13568370
ISK IV 24 14 16 42.3 39.09N 29.04E 6 2.5
CSEM IV 24 14 16 42.8–.10 39.10N 29.03E 5 2.9
DDA IV 24 14 16 43.0 39.10N 28.99E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=140.9.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=114.0.
DDA Event type ke.
ISC IV 24 16 54 10.7–1.1 36.93N–.02 29.07E–.02 6–10 54 0-3
CSEM IV 24 16 54 10.8–.16 36.93N 29.08E 8 2.9 ¶13568375
ISCJB IV 24 16 54 10.8–.48 36.93N–.03 29.09E–.04 5–5 2.9
ISK IV 24 16 54 10.3 36.94N 29.08E 6 2.9
DDA IV 24 16 54 10.6 36.93N 29.08E 7 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=136.4.
DDA Event type ke.
ISC IV 24 18 53 33.8–.88 39.10N–.03 29.03E–.02 14–8 47 0-2
CSEM IV 24 18 53 33.5–.11 39.12N 29.02E 10 3.1 ¶13568376
ISCJB IV 24 18 53 33.5–.42 39.11N–.03 29.03E–.03 10–4 3.1
ISK IV 24 18 53 33.0 39.11N 29.03E 16 2.7
DDA IV 24 18 53 33.7 39.09N 29.02E 7 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=155.4.
DDA Event type ke.
ISC IV 25 01 52 23.0–.99 39.89N–.03 38.79E–.03 17–10 29 0-1
CSEM IV 25 01 52 22.8–.25 39.88N 38.79E 15 3.1 ¶13568380
ISK IV 25 01 52 22.3 39.92N 38.78E 14 2.7
ISCJB IV 25 01 52 23.0–.57 39.90N–.03 38.79E–.04 11–7 2.7
DDA IV 25 01 52 25.3 40.07N 38.80E 7 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=5.2km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.2km az=1.7.
DDA Event type ke.
ISC IV 25 02 09 11.4–.96 38.37N–.04 39.25E–.03 13–6 24 0-1
CSEM IV 25 02 09 11.3–.13 38.38N 39.25E 15 2.2 ¶13568381
ISCJB IV 25 02 09 11.9–.63 38.37N–.05 39.25E–.04 12–5 2.2
ISK IV 25 02 09 11.5 38.38N 39.24E 12 2.2
DDA IV 25 02 09 11.2 38.29N 39.22E 3 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.2km az=7.9.
DDA Event type ke.
ISC IV 25 03 11 32.6–1.0 39.16N–.04 28.97E–.04 24–9 26 0-1
ISK IV 25 03 11 31.4 39.15N 28.94E 17 2.4 ¶13568383
CSEM IV 25 03 11 32.4–.17 39.17N 28.93E 20 2.8
ISCJB IV 25 03 11 32.6–.59 39.16N–.04 28.94E–.05 26–8 2.8
DDA IV 25 03 11 34.8 39.03N 28.99E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.6km az=136.7.
DDA Event type ke.
ISC IV 25 03 15 56.8–1.0 39.10N–.03 27.32E–.03 13–10 49 0-2
ISCJB IV 25 03 15 56.6–.49 39.10N–.04 27.30E–.04 11–6 ¶13568384
ISK IV 25 03 15 56.1 39.10N 27.33E 14 2.9
DDA IV 25 03 15 57.0 39.09N 27.30E 7 2.9
CSEM IV 25 03 15 57.0–.18 39.10N 27.33E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.7km az=27.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=59.0.
ISC IV 25 06 46 21.3–.90 37.86N–.02 29.08E–.03 10–7 52 0-2
ISK IV 25 06 46 20.9 37.86N 29.08E 4 2.9 ¶13568391
DDA IV 25 06 46 20.9 37.87N 29.07E 8 3.0
CSEM IV 25 06 46 21.2–.14 37.85N 29.09E 2 2.9
ISCJB IV 25 06 46 21.2–.45 37.87N–.02 29.05E–.04 3–5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 25 10 06 19.7–1.0 40.16N–.02 28.75E–.02 5–9 94 0-2
ISK IV 25 10 06 18.0 40.16N 28.73E 5 2.9 ¶13568393
DDA IV 25 10 06 19.2 40.17N 28.76E 7 3.1
CSEM IV 25 10 06 19.2–.11 40.15N 28.73E 5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=126.0.
ISC IV 25 10 46 56.2–1.0 41.41N–.03 35.16E–.02 5–10 45 0-2
CSEM IV 25 10 46 55.9–.22 41.42N 35.14E 2 2.8 ¶13568394
ISK IV 25 10 46 55.3 41.42N 35.15E 7 2.9
DDA IV 25 10 46 55.6 41.42N 35.17E 6 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=14.0.
DDA Event type ke.
ISC IV 25 16 04 22.5–.99 39.26N–.01 27.95E–.01 8–8 198 0-4
ATH IV 25 16 04 20.5 39.35N 28.09E 17–0 3.5 ¶13568398
DDA IV 25 16 04 21.7 39.27N 27.95E 21 3.4
ISCJB IV 25 16 04 22.2–.41 39.27N–.01 27.95E–.02 5–3 3.4
ISK IV 25 16 04 22.0 39.27N 27.94E 6 3.3
CSEM IV 25 16 04 22.5–.07 39.27N 27.95E 5 3.4
THE IV 25 16 04 23.4 39.26N 27.94E 4–10 3.3L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=39.5.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=48.0.
THE Event type ke. Error ellipse: s-maj=13.0km s-min=1.5km az=100.0.
ISC IV 25 21 57 42.1–1.2 39.85N–.03 41.59E–.02 5–11 51 0-3
CSEM IV 25 21 57 41.5–.20 39.86N 41.57E 2 3.2 ¶13568402
ISK IV 25 21 57 41.3 39.82N 41.56E 7 3.3
DDA IV 25 21 57 41.4 39.85N 41.57E 7 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=44.0.
DDA Event type ke.
ISC IV 25 22 04 54.3–1.5 36.52N–.03 34.43E–.03 17–12 75 1-4
ISK IV 25 22 04 53.1 36.55N 34.40E 13 3.5 ¶12793899
CSEM IV 25 22 04 54.0–.11 36.52N 34.43E 15 3.3W
ISCJB IV 25 22 04 54.8–.91 36.52N–.03 34.44E–.04 27–10 3.3W
DDA IV 25 22 04 54.5 36.58N 34.43E 45 3.3
NIC IV 25 22 04 58.9–.30 36.28N 34.24E 41 3.5L,3.3W
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=139.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=144.3.
DDA Event type ke.
NIC Moment Tensor Solution. $M_0$7.00000×10^{13}
ISC IV 26 02 08 02.7–.00 37.83N–.02 27.53E–.02 7–9 94 0-3
ISK IV 26 02 08 01.8 37.84N 27.51E 5 3.2 ¶13568409
DDA IV 26 02 08 01.9 37.85N 27.54E 5 3.2
CSEM IV 26 02 08 03.1–.21 37.82N 27.54E 2 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=75.0.
ISC IV 26 02 55 17.4–1.1 37.85N–.02 27.54E–.02 4–11 51 0-2
ISK IV 26 02 55 16.9 37.85N 27.54E 6 2.6 ¶13568411
CSEM IV 26 02 55 17.4–.13 37.84N 27.55E 5 2.9
ISCJB IV 26 02 55 17.1–.52 37.85N–.03 27.54E–.04 0–7 2.9
DDA IV 26 02 55 17.3 37.83N 27.55E 7 2.9

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=153.0.
DDA Event type ke.
ISC IV 26 03 28 45.1–.91 39.19N–.02 28.46E–.02 11–9 91 0-2
ISCJB IV 26 03 28 44.7–.38 39.18N–.02 28.44E–.03 3–4 **¶13568413**
ISK IV 26 03 28 44.4 39.18N 28.45E 5 3.0
DDA IV 26 03 28 44.6 39.18N 28.45E 7 2.9
CSEM IV 26 03 28 45.0–.09 39.18N 28.44E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=152.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=68.0.
DDA IV 26 04 07 00.5 38.38N 41.90E 7 2.8
¶15136145
DDA Event type ke.
ISC IV 26 05 07 13.3–1.1 36.40N–.06 29.55E–.05 28–11 28 0-2
ISK IV 26 05 07 10.2 36.25N 29.60E 14 2.9 **¶13568417**
CSEM IV 26 05 07 12.9–.51 36.42N 29.50E 10 2.7
DDA IV 26 05 07 13.4 36.50N 29.51E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.5km s-min=9.0km az=159.0.
DDA Event type ke.
ISC IV 26 06 46 19.4–.99 40.35N–.03 27.41E–.05 15–7 24 0-1
CSEM IV 26 06 46 19.8–.11 40.33N 27.44E 10 2.1 **¶13568418**
ISCJB IV 26 06 46 20.0–.59 40.34N–.03 27.45E–.08 4–13 2.1
ISK IV 26 06 46 19.3 40.35N 27.46E 3 2.1
DDA IV 26 06 46 19.3 40.34N 27.43E 15 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.0km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.5km az=168.3.
DDA Event type ke.
ISC IV 26 09 58 32.1–1.2 39.89N–.03 27.72E–.06 14–10 28 0-1
ISCJB IV 26 09 58 32.3–.77 39.89N–.03 27.74E–.07 11–7 **¶13568422**
ISK IV 26 09 58 32.0 39.89N 27.75E 6 2.6
DDA IV 26 09 58 32.1 39.89N 27.75E 7 2.8
CSEM IV 26 09 58 32.2–.16 39.88N 27.72E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.9km az=171.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.3km az=67.0.
ISC IV 26 11 00 34.3–1.1 36.93N–.02 29.34E–.02 6–9 52 0-2
ISK IV 26 11 00 33.8 36.93N 29.32E 6 2.8 **¶13568424**
DDA IV 26 11 00 33.8 36.92N 29.32E 7 3.0
CSEM IV 26 11 00 34.1–.15 36.93N 29.35E 5 2.8
ISCJB IV 26 11 00 34.1–.50 36.91N–.03 29.35E–.04 7–5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 26 17 45 40.5–.95 36.30N–.04 29.47E–.03 11–6 45 0-3
DDA IV 26 17 45 38.1 36.22N 29.28E 7 2.9 **¶13568429**
ISK IV 26 17 45 39.2 36.30N 29.50E 7 3.0
CSEM IV 26 17 45 40.3–.32 36.31N 29.46E 8 2.9
ISCJB IV 26 17 45 40.5–.67 36.32N–.04 29.46E–.04 7–5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 26 18 42 05.7–.96 38.28N–.04 38.81E–.02 12–8 42 0-3
ISCJB IV 26 18 42 05.6–.80 38.30N–.04 38.80E–.04 4–7 **¶13928471**
DDA IV 26 18 42 05.4 38.31N 38.81E 7 3.1
CSEM IV 26 18 42 05.4 38.31N 38.81E 7 3.1
NSSC IV 26 18 42 17.6–1.8 36.90N 38.76E 0–10 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.8km az=154.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
NSSC Error ellipse: s-maj=10.9km s-min=7.2km az=-1.0.
DDA IV 26 22 30 32.7 37.18N 35.70E 7 2.5
¶15136118
DDA Event type ke.
ISC IV 27 07 11 25.0–.97 38.57N–.04 27.73E–.03 13–8 28 0-2
ISCJB IV 27 07 11 24.8–.61 38.56N–.04 27.73E–.04 10–5 **¶13568434**
ISK IV 27 07 11 24.3 38.56N 27.74E 14 2.6
DDA IV 27 07 11 24.9 38.57N 27.76E 4 2.7
CSEM IV 27 07 11 24.9–.13 38.57N 27.72E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.3km az=153.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.1km az=157.0.
ISC IV 27 07 15 45.8–1.4 39.00N–.04 28.47E–.06 2–29 15 0-1
DDA IV 27 07 15 46.2 39.00N 28.53E 7 2.8 **¶15136166**
CSEM IV 27 07 15 46.2 39.00N 28.53E 7 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC IV 27 09 05 32.9–.91 39.16N–.02 28.45E–.03 18–6 46 0-2
ISK IV 27 09 05 32.3 39.16N 28.45E 18 2.7 **¶13568436**
CSEM IV 27 09 05 32.7–.12 39.16N 28.45E 17–1 2.7
DDA IV 27 09 05 32.8 39.19N 28.44E 7 2.9
ISCJB IV 27 09 05 33.2–.45 39.15N–.03 28.45E–.04 23–6 2.9
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 27 09 50 26.1–1.0 39.13N–.02 29.08E–.02 5–10 118 0-3
ISK IV 27 09 50 25.6 39.14N 29.08E 5 3.3 **¶13568439**
ISCJB IV 27 09 50 25.7–.43 39.14N–.02 29.06E–.02 1–4 3.3
DDA IV 27 09 50 25.6 39.10N 29.05E 9 3.7L,3.5
CSEM IV 27 09 50 26.0–.08 39.13N 29.08E 2 3.7L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=8.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=79.0.
ISC IV 27 10 00 14.3–.93 37.72N–.02 29.29E–.03 13–7 38 0-1
ISK IV 27 10 00 13.2 37.72N 29.31E 5 2.9 **¶13568440**
DDA IV 27 10 00 13.9 37.73N 29.30E 5 2.6
CSEM IV 27 10 00 14.1–.21 37.71N 29.30E 2 2.6
ISCJB IV 27 10 00 14.1–.56 37.70N–.03 29.31E–.04 11–5 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 27 16 01 34.9–.84 40.58N–.02 30.31E–.02 9–6 60 0-2
ISCJB IV 27 16 01 34.9–.41 40.58N–.03 30.33E–.04 7–5 **¶13568445**
ISK IV 27 16 01 34.4 40.56N 30.32E 4 2.8
DDA IV 27 16 01 34.4 40.63N 30.33E 7 2.8
CSEM IV 27 16 01 35.0–.17 40.58N 30.34E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=38.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=33.0.
ISC IV 27 18 09 08.8–1.3 39.52N–.03 36.73E–.02 1–11 58 1-3
ISK IV 27 18 09 08.4 39.51N 36.72E 5 3.1 **¶13568447**
DDA IV 27 18 09 08.9 39.46N 36.76E 7 2.8
ISCJB IV 27 18 09 09.1–.84 39.47N–.03 36.71E–.03 5–7 2.8
CSEM IV 27 18 09 09.2–.21 39.52N 36.71E 5 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.4km az=149.1.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.7km az=167.0.
ISC IV 27 19 03 08.0–.71 40.72N–.01 27.52E–.01 16–4 3.6b 429 0-64
BEO IV 27 19 02 39.7–1.0 39.49N 29.70E 0 4.7L **¶12936267**
SOF IV 27 19 03 04.6 40.74N 27.56E 1 3.6
IDC IV 27 19 03 05.5–.98 40.51N 27.59E 0 3.7,3.6
DDA IV 27 19 03 06.6 40.74N 27.52E 29 4.2,3.6
ATH IV 27 19 03 07.9 40.69N 27.49E 36–16 3.8,3.6
ISCJB IV 27 19 03 07.7–.21 40.72N–.01 27.49E–.01 26–2 3.6b,3.6
CSEM IV 27 19 03 07.5–.06 40.73N 27.51E 12 4.2,3.6
ISK IV 27 19 03 07.0 40.73N 27.53E 18 3.9L,3.6
THE IV 27 19 03 10.3 40.66N 27.45E 11–3 4.0L,3.6
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=13.9km az=72.0.
DDA Event type ke.
ATH Error ellipse: s-maj=5.3km s-min=10.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=173.4.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=14.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.6km az=341.0.
ISC IV 27 19 46 20.3–.92 38.06N–.02 28.95E–.03 15–9 36 0-1
ISK IV 27 19 46 19.6 38.08N 28.96E 2 2.3 **¶13568449**
ISCJB IV 27 19 46 20.5–.49 38.07N–.02 28.94E–.04 8–6 2.3
DDA IV 27 19 46 20.1 38.05N 28.93E 8 2.7
CSEM IV 27 19 46 20.2–.14 38.06N 28.95E 15 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=7.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=95.0.
ISC IV 27 21 44 42.0–1.0 37.80N–.03 43.6E–.10 11–13 18 0-1
ISK IV 27 21 44 41.2 37.80N 43.55E 2 2.5 **¶13568450**
CSEM IV 27 21 44 42.1–.22 37.81N 43.70E 2 3.0
DDA IV 27 21 44 42.4 37.78N 43.63E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=3.0km az=82.0.
DDA Event type ke.
ISC IV 28 01 54 15.9–.89 40.73N–.02 27.57E–.03 12–7 38 0-1
ISCJB IV 28 01 54 15.8–.55 40.75N–.03 27.57E–.05 11–5 **¶13568458**
ISK IV 28 01 54 15.5 40.75N 27.60E 2 2.6
DDA IV 28 01 54 15.6 40.71N 27.55E 7 2.5
CSEM IV 28 01 54 15.9–.18 40.75N 27.56E 12 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.1km az=166.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=82.0.
ISC IV 28 03 45 31.9–.88 40.68N–.02 30.62E–.01 10–7 171 0-7
ISK IV 28 03 45 30.4 40.68N 30.61E 5 3.5 **¶13568462**
ISCJB IV 28 03 45 31.5–.45 40.69N–.02 30.63E–.02 4–4 3.5
DDA IV 28 03 45 31.1 40.69N 30.61E 11 3.6L
CSEM IV 28 03 45 31.9–.08 40.67N 30.62E 2 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=2.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=8.0.
ISC IV 28 03 47 07.1–1.0 40.71N–.02 30.68E–.02 9–8 120 0-3
ISK IV 28 03 47 06.6 40.68N 30.62E 5 3.5 **¶13568463**
DDA IV 28 03 47 06.8 40.67N 30.62E 5 3.4L
CSEM IV 28 03 47 08.0–.14 40.67N 30.63E 2 3.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=4.0.
ISC IV 28 04 12 21.1–.98 39.48N–.03 33.03E–.04 3–8 34 0-2
ISK IV 28 04 12 20.8 39.48N 33.11E 3 2.6 **¶13568467**
CSEM IV 28 04 12 21.4–.21 39.44N 33.06E 2 2.6
DDA IV 28 04 12 21.3 39.48N 33.01E 5 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.8km az=109.0.
DDA Event type ke.
ISC IV 28 04 18 57.3–1.1 36.54N–.02 35.93E–.02 9–9 65 0-4
NSSC IV 28 04 18 53.6–1.6 37.05N 36.29E 0–26 2.4L **¶13568468**
DDA IV 28 04 18 56.7 36.58N 35.91E 7 3.4
CSEM IV 28 04 18 57.9–.17 36.59N 35.94E 2 3.4
ISK IV 28 04 18 57.0 36.58N 35.93E 4 3.3
ISC Event type ke.
NSSC Error ellipse: s-maj=29.2km s-min=35.6km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=49.0.
ISC IV 28 07 13 08.2–1.2 40.65N–.05 30.63E–.03 18–4 20 0-1
ISK IV 28 07 13 07.7 40.66N 30.65E 16 2.3 **¶13568469**
DDA IV 28 07 13 07.5 40.69N 30.60E 7 2.9
ISCJB IV 28 07 13 08.7–.89 40.66N–.06 30.64E–.05 7–8 2.9
CSEM IV 28 07 13 08.2–.31 40.65N 30.63E 15 2.3
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.0km az=174.4.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.6km az=176.0.
ISC IV 28 18 11 06.1–.94 38.95N–.02 30.00E–.02 7–8 54 0-2
ISK IV 28 18 11 05.8 38.97N 29.98E 5 2.9 **¶13568473**
DDA IV 28 18 11 05.8 38.94N 29.99E 7 2.8
CSEM IV 28 18 11 06.2–.09 38.94N 30.00E 5 2.9
ISCJB IV 28 18 11 06.0–.48 38.95N–.03 30.00E–.03 4–5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 28 18 28 21.5–.97 39.06N–.02 41.91E–.02 13–9 91 0-4
ISK IV 28 18 28 21.8 39.10N 41.82E 5 3.6 **¶13568474**
DDA IV 28 18 28 21.3 39.03N 41.95E 16 3.6
CSEM IV 28 18 28 22.3–.19 39.08N 41.84E 2 3.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=41.0.
ISC IV 28 19 12 45.6–1.2 37.15N–.05 28.49E–.03 13–10 23 0-1
ISK IV 28 19 12 44.1 37.17N 28.55E 14 2.5 **¶13568477**
DDA IV 28 19 12 45.3 37.09N 28.53E 7 2.8
CSEM IV 28 19 12 45.3–.36 37.10N 28.48E 19–1 2.5
ISCJB IV 28 19 12 46.2–.79 37.08N–.05 28.45E–.06 16–13 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 28 21 23 55.2–1.1 40.07N–.02 38.65E–.02 10–9 60 0-3
ISK IV 28 21 23 54.3 40.08N 38.67E 2 3.0 **¶13568482**
DDA IV 28 21 23 55.1 40.07N 38.67E 14 3.1
CSEM IV 28 21 23 55.6–.22 40.07N 38.66E 5 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.4km az=80.0.
ISC IV 28 21 51 31.1–.91 39.13N–.02 29.04E–.02 11–9 82 0-2
ISCJB IV 28 21 51 30.7–.41 39.12N–.02 29.04E–.03 2–5 **¶13568483**
ISK IV 28 21 51 30.5 39.13N 29.05E 4 3.0
DDA IV 28 21 51 30.7 39.11N 29.04E 11 3.1
CSEM IV 28 21 51 31.0–.07 39.13N 29.05E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=165.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=175.0.
ISC IV 29 01 42 42.4–1.1 37.08N–.03 36.27E–.02 5–10 57 0-3
ISK IV 29 01 42 41.7 37.11N 36.25E 7 3.4 **¶13568486**
CSEM IV 29 01 42 42.6–.18 37.10N 36.24E 8 3.4
DDA IV 29 01 42 43.9 37.08N 36.42E 8 3.3
NSSC IV 29 01 42 46.3–7.4 36.94N 36.15E 0–26 2.6L,1.7

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=151.0.
DDA Event type ke.
NSSC Error ellipse: s-maj=27.5km s-min=39.0km az=-1.0.
ISC IV 29 02 11 37.9–1.3 37.71N–.03 43.00E–.03 7–12 39 1-3
ISCJB IV 29 02 11 38.4–.66 37.70N–.03 43.04E–.04 9–6 ¶13568487
ISK IV 29 02 11 38.7 37.71N 43.12E 11 2.9
CSEM IV 29 02 11 39.0–.36 37.72N 43.07E 10 3.1L
DDA IV 29 02 11 40.2 37.87N 42.85E 40 3.1,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=145.6.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=7.2km az=32.0.
DDA Event type ke.
ISC IV 29 04 58 29.8–1.2 39.46N–.03 28.03E–.02 1–14 45 0-2
ISK IV 29 04 58 28.8 39.47N 28.04E 15 2.7 ¶13568490
ISCJB IV 29 04 58 29.9–.49 39.49N–.03 28.06E–.03 3–6 2.7
DDA IV 29 04 58 30.2 39.54N 28.04E 7 2.8
CSEM IV 29 04 58 30.0–.26 39.49N 28.04E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=41.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=50.0.
ISK IV 29 08 51 09.6 38.45N 39.07E 5 3.0
CSEM IV 29 08 51 10.6–.20 38.43N 39.07E 0–2 3.2 ¶13568492
DDA IV 29 08 51 10.2 38.42N 39.09E 12 3.2
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=4.0.
DDA Event type ke.
ISK IV 29 08 53 14.1 41.15N 27.74E 2 2.5
CSEM IV 29 08 53 14.1 41.15N 27.74E 2 2.5 ¶13568493
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC IV 29 12 36 13.1–.98 40.42N–.05 39.70E–.02 16–9 26 0-1
ISK IV 29 12 36 12.0 40.38N 39.70E 22 2.4 ¶13568496
ISCJB IV 29 12 36 13.7–.70 40.40N–.04 39.71E–.04 6–9 2.4
CSEM IV 29 12 36 13.0–.26 40.48N 39.71E 12 2.4
DDA IV 29 12 36 15.3 40.12N 39.64E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.6km az=9.8.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.5km az=10.0.
DDA Event type ke.
ISC IV 29 15 15 33.8–1.1 37.49N–.03 35.43E–.03 10–10 44 0-3
DDA IV 29 15 15 31.5 37.51N 35.46E 5 2.8 ¶13568503
ISK IV 29 15 15 33.4 37.49N 35.50E 5 3.0
ISCJB IV 29 15 15 34.3–.60 37.50N–.03 35.47E–.04 6–6 3.0
CSEM IV 29 15 15 34.5–.24 37.45N 35.46E 8 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=5.0km az=160.8.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=5.2km az=53.0.
ISC IV 29 15 34 23.2–1.2 38.46N–.02 29.73E–.02 2–10 65 0-2
ISK IV 29 15 34 22.8 38.44N 29.71E 3 3.0 ¶13568504
DDA IV 29 15 34 23.2 38.46N 29.72E 7 3.1
CSEM IV 29 15 34 23.3–.09 38.44N 29.73E 0–1 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=168.0.
ISC IV 29 18 12 35.4–1.2 40.24N–.02 35.24E–.02 3–11 44 0-2
ISK IV 29 18 12 34.7 40.25N 35.24E 5 2.9 ¶13568507
DDA IV 29 18 12 35.3 40.24N 35.20E 7 2.6
CSEM IV 29 18 12 36.2–.18 40.26N 35.25E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=157.0.
ISC IV 29 21 31 53.8–.95 37.52N–.03 35.61E–.03 13–7 32 0-2
ISK IV 29 21 31 52.2 37.57N 35.56E 8 2.6 ¶13568510
CSEM IV 29 21 31 53.9–.50 37.52N 35.61E 20 2.6
ISCJB IV 29 21 31 54.3–.85 37.49N–.04 35.64E–.06 8–7 2.6
DDA IV 29 21 31 55.0 37.47N 35.72E 6 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.8km s-min=12.3km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.7km az=25.5.
DDA Event type ke.
ISC IV 29 21 40 57.2–1.4 40.41N–.04 26.04E–.06 16–12 32 0-2
ISK IV 29 21 40 56.8 40.43N 26.04E 2 3.0 ¶13568511
CSEM IV 29 21 40 56.8–.45 40.41N 25.97E 2 3.0
DDA IV 29 21 40 58.2 40.36N 26.10E 7 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=6.2km az=59.0.
DDA Event type ke.
ISC IV 30 00 08 13.1–1.3 40.69N–.03 35.47E–.05 2–13 24 0-2
ISK IV 30 00 08 12.4 40.70N 35.45E 5 2.9 ¶13568513
CSEM IV 30 00 08 13.7–.44 40.65N 35.45E 5 2.8
DDA IV 30 00 08 17.8 41.12N 35.30E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=6.4km az=108.0.
DDA Event type ke.
ISC IV 30 00 39 47.7–1.1 41.12N–.03 34.84E–.03 5–12 28 0-2
ISK IV 30 00 39 46.9 41.12N 34.85E 5 2.7 ¶13568514
DDA IV 30 00 39 47.7 41.08N 34.84E 7 2.8
CSEM IV 30 00 39 47.6–.15 41.12N 34.83E 2 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=108.0.
ISC IV 30 04 31 46.9–.85 39.56N–.02 27.73E–.02 11–6 61 0-2
DDA IV 30 04 31 46.9 39.58N 27.75E 7 2.8 ¶13568518
ISCJB IV 30 04 31 47.3–.44 39.58N–.03 27.75E–.03 7–4 2.8
ISK IV 30 04 31 47.2 39.59N 27.77E 7 2.8
CSEM IV 30 04 31 47.6–.09 39.58N 27.75E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=40.2.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=60.0.
DDA IV 30 04 49 43.9 39.83N 27.92E 7 2.7
¶15136259
DDA Event type ke.
ISK IV 30 06 03 24.8 37.01N 29.07E 6 2.8
CSEM IV 30 06 03 25.2–.20 37.00N 29.08E 10 2.8 ¶13568519
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=169.0.
ISC IV 30 06 03 59.4–1.0 37.93N–.03 29.14E–.03 12–10 40 0-2
CSEM IV 30 06 03 58.9–.19 37.93N 29.14E 2 3.0 ¶13568520
ISCJB IV 30 06 03 59.2–.81 37.94N–.04 29.14E–.05 5–6 3.0
DDA IV 30 06 03 59.3 37.96N 29.12E 7 3.0
ISK IV 30 06 03 59.0 37.95N 29.13E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=125.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.9km az=37.4.
DDA Event type ke.
ISC IV 30 10 48 57.7–1.1 37.55N–.07 35.70E–.04 15–6 18 0-1
CSEM IV 30 10 48 57.9–.20 37.57N 35.71E 12 2.6 ¶13568522
ISCJB IV 30 10 48 57.8–.78 37.59N–.05 35.71E–.07 6–13 2.6
ISK IV 30 10 48 57.5 37.54N 35.71E 15 2.6
DDA IV 30 10 48 57.0 37.56N 35.77E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=10.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.7km az=31.3.
DDA Event type ke.
ISC IV 30 13 07 19.5–.90 37.81N–.02 27.61E–.02 12–8 96 0-3
ISCJB IV 30 13 07 19.1–.50 37.82N–.02 27.60E–.03 5–5 ¶13568524
CSEM IV 30 13 07 19.3–.12 37.81N 27.60E 5 3.2
ISK IV 30 13 07 19.0 37.82N 27.54E 10 3.2
DDA IV 30 13 07 19.3 37.83N 27.63E 7 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=136.3.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=62.0.
DDA Event type ke.
ISC IV 30 14 53 13.6–1.0 38.97N–.02 27.59E–.02 5–10 134 0-4
DDA IV 30 14 53 12.8 38.96N 27.63E 23 3.1 ¶13568526
ISCJB IV 30 14 53 13.5–.39 38.97N–.02 27.60E–.02 4–3 3.1
ISK IV 30 14 53 13.3 38.97N 27.60E 6 3.5
CSEM IV 30 14 53 13.7–.10 38.97N 27.60E 2 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=13.6.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=106.0.
ISC IV 30 15 11 59.1–.97 39.11N–.02 29.06E–.02 10–10 54 0-2
DDA IV 30 15 11 58.9 39.13N 29.00E 7 2.7 ¶13568528
ISCJB IV 30 15 11 59.0–.52 39.10N–.03 29.04E–.04 4–6 2.7
ISK IV 30 15 11 59.0 39.07N 29.11E 9 3.0
CSEM IV 30 15 11 59.2–.10 39.10N 29.05E 2 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=148.2.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=129.0.
ISC IV 30 16 26 22.5–.87 40.34N–.03 27.94E–.03 13–4 36 0-1
ISK IV 30 16 26 21.9 40.34N 27.96E 12 2.4 ¶13568529
ISCJB IV 30 16 26 22.3–.54 40.35N–.04 27.95E–.05 12–3 2.4
CSEM IV 30 16 26 22.5–.13 40.36N 27.95E 12 2.4
DDA IV 30 16 26 23.1 40.29N 27.88E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.9km az=154.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=7.0.
DDA Event type ke.
ISC IV 30 22 31 38.9–1.1 37.89N–.02 43.04E–.02 7–12 66 0-5
CSEM IV 30 22 31 38.3–.19 37.87N 43.02E 2 3.5 ¶13568532
ISK IV 30 22 31 38.0 37.87N 43.03E 9 3.6
DDA IV 30 22 31 38.1 37.89N 43.04E 13 3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=13.0.
DDA Event type ke.
ISC IV 30 22 42 27.9–1.2 37.88N–.03 43.04E–.03 4–12 58 0-6
CSEM IV 30 22 42 26.8 37.86N 42.97E 15 3.9L ¶13568533
DDA IV 30 22 42 26.8 37.86N 42.97E 15 3.9L
ISK IV 30 22 42 27.0 37.87N 43.01E 7 4.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
DDA Event type ke.
ISC V 01 01 19 34.6–1.1 37.05N–.04 27.62E–.04 24–9 23 0-1
ISCJB V 01 01 19 34.3–1.3 37.00N–.06 27.64E–.06 17–37 ¶13839124
ISK V 01 01 19 35.6 37.17N 27.52E 2 2.4
DDA V 01 01 19 36.4 37.13N 27.58E 7 2.5
CSEM V 01 01 19 36.7–.16 37.13N 27.55E 10 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=7.6km az=27.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=128.0.
ISC V 01 09 13 21.7–.99 39.69N–.03 30.29E–.03 15–8 40 0-2
ISK V 01 09 13 21.3 39.63N 30.27E 18 2.6 ¶13839126
CSEM V 01 09 13 21.6–.24 39.68N 30.33E 10 2.7
ISCJB V 01 09 13 21.6–.72 39.66N–.04 30.33E–.05 7–7 2.7
DDA V 01 09 13 22.1 39.70N 30.27E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.5km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.1km az=145.3.
DDA Event type ke.
ISC V 01 10 30 13.6–.86 37.08N–.02 27.58E–.02 16–7 64 0-2
ISK V 01 10 30 13.5 37.09N 27.59E 10 2.7 ¶13839135
DDA V 01 10 30 13.7 37.10N 27.56E 7 3.0
CSEM V 01 10 30 13.8–.09 37.08N 27.56E 10 2.7
ISCJB V 01 10 30 13.8–.48 37.07N–.03 27.55E–.03 12–4 2.7
ATH V 01 10 30 14.9 37.02N 27.42E 34–2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=31.8.
ATH Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0.
ISC V 01 12 38 13.3–1.1 40.15N–.03 38.54E–.03 12–11 31 0-2
ISK V 01 12 38 12.1 40.15N 38.53E 5 2.7 ¶13839140
CSEM V 01 12 38 12.9–.23 40.15N 38.54E 10 2.9
DDA V 01 12 38 13.5 40.13N 38.55E 7 2.9
ISCJB V 01 12 38 13.1–.60 40.15N–.04 38.56E–.04 7–7 2.9
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC V 01 16 32 12.4–.86 37.61N–.03 43.92E–.02 12–6 3.2b 85 0-79
IDC V 01 16 32 09.7–1.2 37.42N 43.88E 0 3.5,3.4 ¶13678185
ISK V 01 16 32 10.8 37.38N 44.15E 26 3.8L,3.4
DDA V 01 16 32 11.8 37.67N 43.93E 7 3.4,3.4
CSEM V 01 16 32 12.8–.15 37.62N 43.91E 2 3.4,3.4
ISCJB V 01 16 32 12.1–.56 37.61N–.03 43.96E–.02 5–5 3.3b,3.4
TEH V 01 16 32 15.1 37.70N 43.90E 23 3.7L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=16.6km az=144.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.1km az=173.9.
ISC V 01 17 05 39.6–1.0 37.85N–.02 27.57E–.02 7–9 89 0-3
ISK V 01 17 05 38.8 37.85N 27.58E 5 3.1 ¶13839144
DDA V 01 17 05 39.4 37.84N 27.55E 7 3.2
CSEM V 01 17 05 39.8–.15 37.84N 27.58E 2 3.2
ISCJB V 01 17 05 39.7–.49 37.85N–.02 27.56E–.03 6–5 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 01 17 23 05.3–1.1 36.94N–.05 35.61E–.05 27–7 20 0-1
ISK V 01 17 23 04.5 36.84N 35.84E 19 2.5 ¶13839145
CSEM V 01 17 23 05.0–.24 36.91N 35.61E 28–2 2.5
DDA V 01 17 23 06.6 37.00N 35.55E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.2km az=132.0.
DDA Event type ke.
ISC V 01 21 18 09.6–.88 39.08N–.03 29.04E–.02 14–8 42 0-2
ISK V 01 21 18 09.0 39.09N 29.04E 5 2.5 ¶13839148
DDA V 01 21 18 09.6 39.08N 29.04E 7 2.9
CSEM V 01 21 18 09.8–.12 39.08N 29.05E 10 2.9
ISCJB V 01 21 18 09.6–.47 39.07N–.04 29.05E–.04 9–5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 01 21 30 19.3–2.1 36.2N–.10 35.46E–.10 15 24 0-2
CSEM V 01 21 30 19.9–.34 36.08N 35.42E 34–3 2.7 ¶13839149
ISK V 01 21 30 20.5 36.15N 35.49E 29 2.7
DDA V 01 21 30 20.3 36.32N 35.53E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.5km az=28.0.
DDA Event type ke.
ISC V 02 00 25 55.8–.97 39.90N–.03 41.95E–.03 14–7 43 0-2
CSEM V 02 00 25 55.9–.29 39.89N 41.89E 10 3.0 ¶13839155
DDA V 02 00 25 56.1 39.89N 41.90E 7 3.0
ISK V 02 00 25 56.2 40.05N 41.92E 9 2.8
ISCJB V 02 00 25 56.9–.60 39.88N–.03 41.90E–.04 12–4 2.8

ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC V 02 01 55 17.2–1.1 37.75N–.02 37.39E–.02 2–11 42 0-2
DDA V 02 01 55 16.8 37.72N 37.42E 7 3.2 ¶13839156
CSEM V 02 01 55 17.5–.11 37.73N 37.41E 5 2.8
ISK V 02 01 55 17.5 37.72N 37.38E 9 2.8
ISCJB V 02 01 55 17.1–.48 37.72N–.02 37.42E–.03 3–7 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISK V 02 01 59 27.1 38.68N 40.97E 8 2.7
CSEM V 02 01 59 27.1 38.68N 40.97E 8 2.7 ¶13839157
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
DDA V 02 01 59 43.5 38.30N 38.81E 7 2.9
¶16639084
DDA Event type ke.
ISC V 02 03 17 15.6–.85 38.96N–.02 27.61E–.02 14–6 117 0-3
ATH V 02 03 17 12.4 38.83N 27.87E 18–5 3.1 ¶13839159
ISK V 02 03 17 14.5 38.96N 27.57E 5 3.1
DDA V 02 03 17 14.9 38.97N 27.63E 19 3.1
CSEM V 02 03 17 15.7–.12 38.96N 27.59E 2 3.1
ISCJB V 02 03 17 15.7–.45 38.96N–.02 27.61E–.03 4–4 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 02 03 50 20.1–1.0 37.86N–.02 42.98E–.02 12–10 58 0-5
ISK V 02 03 50 18.6 37.85N 42.89E 9 3.1 ¶13839160
DDA V 02 03 50 19.2 37.86N 42.95E 7 3.1
CSEM V 02 03 50 19.3–.16 37.84N 42.93E 10 3.1
ISCJB V 02 03 50 19.0–.71 37.84N–.03 42.93E–.05 7–8 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 02 03 55 21.4–1.5 39.51N–.06 27.11E–.05 22–5 32 0-2
ISK V 02 03 55 21.2 39.57N 27.10E 5 2.6 ¶13839161
DDA V 02 03 55 21.2 39.55N 27.12E 7 3.0
CSEM V 02 03 55 21.6–.44 39.57N 27.08E 10 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=3.9km az=29.0.
ISC V 02 04 50 45.4–.00 39.28N–.02 27.93E–.03 9–11 59 0-2
ISK V 02 04 50 44.9 39.30N 27.93E 5 2.6 ¶13839163
DDA V 02 04 50 44.6 39.31N 27.93E 7 2.8
CSEM V 02 04 50 45.6–.13 39.28N 27.95E 2 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=74.0.
ISC V 02 04 52 09.2–.98 39.52N–.02 27.10E–.01 12–9 167 0-5
ATH V 02 04 52 08.3 39.48N 27.23E 31–2 3.0 ¶13839164
SOF V 02 04 52 08.6 39.65N 26.97E 2 2.8
DDA V 02 04 52 08.6 39.54N 27.12E 27 3.2
ISK V 02 04 52 08.8 39.58N 27.08E 5 3.4
CSEM V 02 04 52 09.8–.13 39.56N 27.05E 2 3.2
ISCJB V 02 04 52 09.2–.41 39.54N–.02 27.07E–.02 2–3 3.2
THE V 02 04 52 10.5 39.44N 27.07E 6–1 3.3L
ISC Event type ke.
ATH Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=178.9.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=277.0.
ISC V 02 06 22 05.0–1.0 40.37N–.04 27.26E–.02 18–4 40 0-2
ISK V 02 06 22 04.3 40.37N 27.26E 25 2.6 ¶13839165
DDA V 02 06 22 05.5 40.36N 27.23E 14 2.4
CSEM V 02 06 22 05.1–.18 40.40N 27.26E 20 2.6
ISCJB V 02 06 22 05.4–.45 40.41N–.03 27.26E–.04 25–5 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISK V 02 12 27 57.6 41.61N 34.88E 5 2.3
¶13839178
ISC V 02 13 41 12.9–1.0 38.19N–.03 34.21E–.03 18 31 0-2
ISK V 02 13 41 12.5 38.18N 34.20E 10 2.9 ¶13839180
DDA V 02 13 41 12.4 38.22N 34.18E 7 2.8
CSEM V 02 13 41 12.5–.14 38.17N 34.20E 5 2.9
ISCJB V 02 13 41 13.6–.53 38.17N–.05 34.20E–.05 18 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 02 13 42 33.8–.91 40.72N–.02 30.31E–.02 10–6 72 0-2
ISK V 02 13 42 33.2 40.71N 30.30E 6 2.8 ¶13839181
DDA V 02 13 42 33.0 40.73N 30.32E 7 2.9
CSEM V 02 13 42 33.4–.22 40.73N 30.31E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.3km az=33.0.
ISC V 02 13 50 07.4–1.0 38.56N–.02 27.66E–.03 10–9 46 0-2
ISK V 02 13 50 07.1 38.57N 27.61E 8 2.9 ¶13839182
DDA V 02 13 50 07.2 38.55N 27.71E 7 2.8
CSEM V 02 13 50 07.5–.18 38.56N 27.67E 8 2.8
ISCJB V 02 13 50 07.4–.74 38.55N–.03 27.67E–.05 6–7 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 02 14 57 05.8–1.0 37.22N–.04 28.19E–.03 12 24 0-1
ISK V 02 14 57 03.5 37.26N 28.28E 28 2.5 ¶13839184
CSEM V 02 14 57 05.4–.27 37.20N 28.19E 22–3 2.5
ISCJB V 02 14 57 05.9–.57 37.20N–.05 28.18E–.05 12 2.5
DDA V 02 14 57 06.3 37.25N 28.22E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.2km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.1km az=38.3.
DDA Event type ke.
ISC V 02 15 01 27.6–.97 38.53N–.02 27.67E–.03 12–9 70 0-2
CSEM V 02 15 01 27.9–.15 38.51N 27.70E 2 3.0 ¶13839185
ISK V 02 15 01 27.4 38.52N 27.67E 5 2.8
DDA V 02 15 01 27.1 38.51N 27.70E 4 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=110.0.
DDA Event type ke.
ISC V 02 23 39 11.3–.95 38.53N–.04 27.71E–.03 11 28 0-2
ISK V 02 23 39 11.3 38.51N 27.70E 5 2.7 ¶13839196
DDA V 02 23 39 11.3 38.55N 27.68E 7 2.9
CSEM V 02 23 39 12.1–.28 38.53N 27.73E 2 2.7
ISCJB V 02 23 39 12.2–.69 38.52N–.06 27.70E–.05 11 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 03 01 01 48.1–1.6 40.20N–.05 41.76E–.05 4–13 26 0-2
ISK V 03 01 01 48.9 40.28N 41.69E 22 2.7 ¶13839202
DDA V 03 01 01 49.6 40.15N 41.88E 7 3.0
CSEM V 03 01 01 49.7–.29 40.17N 41.66E 30 3.0
ISCJB V 03 01 01 49.3–.73 40.16N–.04 41.91E–.07 11–5 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 03 02 21 31.4–1.0 37.85N–.02 27.57E–.02 8–9 120 0-4
DDA V 03 02 21 31.6 37.84N 27.54E 7 3.1 ¶13839204
ISK V 03 02 21 32.0 37.81N 27.63E 5 3.4
CSEM V 03 02 21 33.0–.13 37.77N 27.57E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=64.0.
ISC V 03 02 34 09.6–1.0 37.83N–.02 27.54E–.02 6–9 258 0-6
DDA V 03 02 34 08.4 37.86N 27.54E 16 4.1L ¶13839205
ISK V 03 02 34 08.6 37.82N 27.57E 5 3.7L
ISCJB V 03 02 34 09.2–.43 37.81N–.02 27.50E–.02 6–3 3.7L
ATH V 03 02 34 09.3 37.84N 27.46E 16–2 3.7
THE V 03 02 34 09.3 37.86N 27.56E 0–2 3.3L
CSEM V 03 02 34 09.3–.11 37.76N 27.48E 2 4.1L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=33.5.
ATH Error ellipse: s-maj=1.2km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=100.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=33.0.
ISC V 03 02 37 15.3–1.1 37.80N–.02 27.53E–.02 5–10 70 0-4
DDA V 03 02 37 14.7 37.83N 27.54E 7 3.1 ¶13839207
ISK V 03 02 37 14.3 37.80N 27.56E 5 3.3
CSEM V 03 02 37 15.4–.18 37.78N 27.54E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=61.0.
ISC V 03 02 49 50.9–.00 37.13N–.03 36.00E–.02 8–9 40 0-2
ISK V 03 02 49 49.6 37.03N 36.08E 16 2.7 ¶13839208
CSEM V 03 02 49 50.1–.17 37.03N 36.07E 17–1 2.7
ISCJB V 03 02 49 50.4–.61 37.14N–.05 36.02E–.04 2–8 2.7
DDA V 03 02 49 51.0 37.25N 36.00E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.2km az=157.2.
DDA Event type ke.
ISC V 03 04 18 48.8–1.0 39.09N–.03 29.02E–.02 6–10 62 0-2
ISK V 03 04 18 48.3 39.08N 29.02E 7 2.7 ¶13839209
DDA V 03 04 18 48.5 39.10N 29.02E 7 2.7L,2.6
CSEM V 03 04 18 48.6–.07 39.09N 29.03E 3–1 2.7L,2.6
ISCJB V 03 04 18 48.3–.47 39.09N–.03 29.03E–.03 1–7 2.7L,2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 03 10 31 51.6–1.1 37.06N–.02 36.41E–.02 6–9 77 0-3
DDA V 03 10 31 51.1 37.09N 36.38E 7 3.4 ¶13839215
ISK V 03 10 31 51.6 37.07N 36.42E 7 3.1
NSSC V 03 10 31 51.8–2.6 37.03N 36.45E 0–10 2.8L,1.2
ISCJB V 03 10 31 51.6–.46 37.05N–.02 36.41E–.03 4–4 2.8L,1.2
CSEM V 03 10 31 52.0–.12 37.05N 36.40E 5 2.8L,1.2
ISC Event type ke.
DDA Event type ke.
NSSC Error ellipse: s-maj=12.4km s-min=14.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=97.0.
ISC V 03 13 19 22.4–1.2 38.00N–.02 30.10E–.02 5–11 52 0-2
ISK V 03 13 19 21.2 37.99N 30.11E 5 2.7 ¶13839216
DDA V 03 13 19 22.1 38.00N 30.14E 4 2.9
CSEM V 03 13 19 22.4–.15 37.99N 30.09E 5 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=22.0.
ISC V 03 16 40 03.9–.99 39.76N–.03 34.00E–.03 14–10 32 0-1
ISK V 03 16 40 03.3 39.73N 34.06E 14 2.6 ¶13839221
DDA V 03 16 40 03.9 39.78N 33.97E 7 2.8
CSEM V 03 16 40 03.7–.19 39.77N 34.03E 10 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=162.0.
ISC V 03 17 40 05.5–1.1 39.87N–.03 41.67E–.03 4–10 46 0-2
ISK V 03 17 40 05.9 39.81N 41.60E 8 2.9 ¶13839222
DDA V 03 17 40 05.7 39.88N 41.81E 5 2.8
CSEM V 03 17 40 05.7–.33 39.89N 41.62E 2 2.9
ISCJB V 03 17 40 05.3–.71 39.85N–.03 41.67E–.05 1–6 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 03 17 41 33.9–.99 39.82N–.02 41.78E–.03 10–8 48 0-2
ISK V 03 17 41 33.6 39.85N 41.74E 5 2.8 ¶13839223
DDA V 03 17 41 33.8 39.80N 41.85E 5 3.2
CSEM V 03 17 41 33.8–.25 39.86N 41.75E 2 3.2
ISCJB V 03 17 41 33.7–.65 39.80N–.02 41.79E–.04 5–5 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 03 17 44 26.3–1.2 39.80N–.02 41.78E–.02 4–11 61 0-2
ISK V 03 17 44 25.3 39.81N 41.80E 5 3.0 ¶13839224
CSEM V 03 17 44 26.5–.18 39.81N 41.79E 2 3.5
ISCJB V 03 17 44 26.8–.61 39.78N–.02 41.80E–.04 4–5 3.5
DDA V 03 17 44 27.3 39.80N 41.86E 5 3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=4.0km az=7.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=20.7.
DDA Event type ke.
ISC V 03 19 21 08.9–1.0 37.53N–.07 43.36E–.04 10–11 24 0-4
DDA V 03 19 21 07.7 37.36N 43.43E 8 3.0 ¶13928498
NSSC V 03 19 21 07.1–2.1 37.58N 43.19E 0–274 2.5L
CSEM V 03 19 21 09.4–.58 37.43N 43.49E 5 2.5L
ISC Event type ke.
DDA Event type ke.
NSSC Error ellipse: s-maj=185.7km s-min=453.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=20.7km s-min=12.2km az=137.0.
ISC V 03 21 12 48.0–1.3 36.96N–.02 29.25E–.02 3–11 87 0-4
ISK V 03 21 12 47.8 36.97N 29.26E 6 3.1 ¶13839227
DDA V 03 21 12 48.1 36.96N 29.27E 7 3.2
CSEM V 03 21 12 48.5–.14 36.97N 29.29E 5 3.1
ISCJB V 03 21 12 48.3–.45 36.95N–.02 29.27E–.03 4–4 3.1
ATH V 03 21 12 50.0 36.93N 29.10E 15–2 3.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=142.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=43.5.
ATH Error ellipse: s-maj=2.2km s-min=1.3km az=-1.0.
ISC V 03 22 29 00.3–1.1 37.17N–.03 36.01E–.02 4–10 40 0-3
ISK V 03 22 28 59.1 37.18N 36.01E 4 3.0 ¶13839228
DDA V 03 22 29 00.9 37.18N 35.98E 7 3.1
CSEM V 03 22 29 00.3–.20 37.19N 36.01E 5 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.3km az=33.0.
ISC V 03 23 35 10.4–1.9 41.36N–.08 38.12E–.04 18–9 31 0-2
DDA V 03 23 35 11.2 41.30N 38.12E 7 2.8 ¶13839233
ISCJB V 03 23 35 11.2–1.4 41.31N–.07 38.12E–.05 10–6 2.8

CSEM V 03 23 35 12.7–.38 41.27N 38.12E 20 2.6
ISK V 03 23 35 15.8 40.73N 38.28E 5 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=5.9km az=174.9.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.6km az=171.0.
ISC V 04 00 52 14.2–1.3 41.70N–.04 32.87E–.04 20–5 29 0-5
DDA V 04 00 52 14.7 41.81N 33.16E 28 3.0 ¶13839239
CSEM V 04 00 52 15.5–.81 41.64N 32.95E 5 2.7
ISK V 04 00 52 18.0 41.24N 33.01E 24 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.4km s-min=7.5km az=154.0.
ISC V 04 04 02 17.3–1.2 37.95N–.03 43.14E–.03 13–10 47 0-5
ISK V 04 04 02 16.4 37.85N 43.06E 5 3.6 ¶13839243
CSEM V 04 04 02 17.4–.23 37.87N 43.06E 2 3.4
DDA V 04 04 02 18.6 38.01N 43.12E 20 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=43.0.
DDA Event type ke.
ISC V 04 04 15 38.0–1.1 38.37N–.04 38.99E–.03 10–8 24 0-2
ISK V 04 04 15 36.8 38.32N 39.00E 12 2.7 ¶13839244
CSEM V 04 04 15 36.6–.37 38.28N 39.01E 10 2.6
DDA V 04 04 15 37.7 38.35N 39.01E 7 2.6
ISCJB V 04 04 15 38.2–.71 38.36N–.05 38.99E–.04 2–9 2.6
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC V 04 08 23 19.8–1.2 41.54N–.05 33.92E–.03 9–16 23 0-1
ISK V 04 08 23 19.3 41.53N 33.95E 6 2.7 ¶13839247
CSEM V 04 08 23 19.6–.14 41.54N 33.92E 2 2.8
DDA V 04 08 23 19.8 41.49N 33.95E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=175.0.
DDA Event type ke.
ISC V 04 09 35 48.5–1.0 38.61N–.03 39.66E–.03 11–11 27 0-1
ISK V 04 09 35 47.8 38.61N 39.66E 11 2.7 ¶13839248
ISCJB V 04 09 35 48.0–.70 38.62N–.04 39.68E–.04 2–8 2.7
DDA V 04 09 35 48.2 38.58N 39.65E 7 2.9
CSEM V 04 09 35 48.2–.23 38.61N 39.66E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.9km az=41.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=50.0.
DDA V 04 10 02 53.8 40.84N 32.99E 7 2.6
CSEM V 04 10 02 53.4–.58 40.86N 33.02E 8 2.6 ¶15136328
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.3km s-min=12.7km az=88.0.
ISC V 04 10 03 52.9–.93 37.20N–.02 35.96E–.02 10–8 92 0-8
ISK V 04 10 03 51.3 37.17N 35.97E 5 3.3 ¶13839249
CSEM V 04 10 03 53.4–.16 37.19N 35.98E 2 3.3
DDA V 04 10 03 53.0 37.22N 35.98E 18 3.3
NSSC V 04 10 03 54.9–1.6 37.24N 36.34E 84–15 2.7L,1.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=33.0.
DDA Event type ke.
NSSC Error ellipse: s-maj=17.9km s-min=14.8km az=-1.0.
DDA V 04 12 19 57.0 40.87N 38.57E 7 2.5
¶15136322
DDA Event type ke.
ISK V 04 12 20 25.0 39.87N 33.09E 10 2.5
CSEM V 04 12 20 25.0 39.87N 33.09E 10 2.5 ¶13839253
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC V 04 16 03 27.5–.89 40.68N–.03 30.60E–.02 14–7 56 0-2
DDA V 04 16 03 27.3 40.73N 30.61E 7 2.8 ¶13839254
ISK V 04 16 03 27.1 40.63N 30.60E 20 2.7
CSEM V 04 16 03 27.2–.19 40.68N 30.62E 15 2.7
ISCJB V 04 16 03 27.0–.47 40.70N–.04 30.61E–.04 14–4 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 04 16 17 41.7–.93 37.68N–.04 35.57E–.03 12 24 0-2
CSEM V 04 16 17 41.3–.55 37.80N 35.69E 2 2.5 ¶13839255
ISK V 04 16 17 42.2 37.69N 35.63E 15 2.5
ISCJB V 04 16 17 42.1–.60 37.70N–.04 35.60E–.05 12 2.5
DDA V 04 16 17 43.1 37.42N 35.52E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.8km s-min=11.6km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.4km az=148.6.
DDA Event type ke.
ISC V 04 17 02 51.4–1.2 37.92N–.02 43.09E–.03 3–12 39 0-3
ISK V 04 17 02 50.7 37.91N 43.16E 9 3.1 ¶13839257
DDA V 04 17 02 50.2 37.92N 43.06E 23 3.1
ISCJB V 04 17 02 50.9–.70 37.91N–.03 43.10E–.07 6–10 3.1
CSEM V 04 17 02 51.0–.26 37.93N 43.12E 2 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.4km az=165.1.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.0km az=58.0.
ISC V 04 17 04 02.4–1.4 37.88N–.03 43.07E–.03 1–13 30 0-3
ISK V 04 17 04 01.2 37.86N 43.05E 5 3.0 ¶13839258
DDA V 04 17 04 02.9 37.92N 43.05E 7 3.2
CSEM V 04 17 04 02.6–.33 37.87N 43.07E 5 3.2
ISCJB V 04 17 04 03.1–.75 37.88N–.03 43.08E–.06 2–10 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 05 02 25 48.0–1.0 39.23N–.02 29.31E–.03 5–11 39 0-2
ISK V 05 02 25 47.3 39.24N 29.28E 6 2.6 ¶13839264
DDA V 05 02 25 47.7 39.19N 29.31E 7 2.7
CSEM V 05 02 25 47.8–.14 39.23N 29.31E 5 2.7
ISCJB V 05 02 25 47.7–.50 39.22N–.03 29.31E–.04 7–5 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 05 03 33 45.8–.86 40.77N–.02 30.73E–.02 10–7 110 0-4
ISK V 05 03 33 44.9 40.78N 30.75E 4 3.3 ¶13839266
DDA V 05 03 33 44.7 40.75N 30.68E 10 3.0
CSEM V 05 03 33 45.7–.18 40.78N 30.73E 0–1 3.0
ISCJB V 05 03 33 45.6–.47 40.77N–.03 30.72E–.02 2–3 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 05 08 38 49.0–.96 37.05N–.04 28.50E–.03 24–7 31 0-1
ISK V 05 08 38 47.3 37.07N 28.57E 19 2.6 ¶13839272
CSEM V 05 08 38 48.4–.40 37.01N 28.50E 25–5 2.8
ISCJB V 05 08 38 48.5–.68 36.97N–.05 28.46E–.06 30–5 2.8
DDA V 05 08 38 49.4 37.01N 28.48E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=7.8km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=6.2km az=40.3.
DDA Event type ke.
DDA V 05 08 50 54.0 37.90N 43.05E 7 3.0
¶15136340
DDA Event type ke.
DDA V 05 09 25 27.1 39.10N 27.63E 7 2.6
¶15136339
DDA Event type ke.
ISC V 05 12 35 04.6–1.1 40.23N–.05 39.85E–.03 26–10 23 0-1
ISK V 05 12 35 03.7 40.24N 39.76E 30 2.5 ¶13839274
CSEM V 05 12 35 05.0–.45 40.30N 39.81E 20 2.5
DDA V 05 12 35 06.2 40.11N 39.80E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.0km s-min=9.3km az=4.0.
DDA Event type ke.
ISC V 05 20 22 48.6–.85 38.23N–.02 27.44E–.02 17–7 80 0-3
DDA V 05 20 22 48.8 38.22N 27.45E 7 3.0 ¶13839278
ISCJB V 05 20 22 48.9–.42 38.23N–.02 27.46E–.03 8–4 3.0
ISK V 05 20 22 49.0 38.31N 27.34E 27 2.9
ATH V 05 20 22 49.0 38.19N 27.44E 3 3.1
CSEM V 05 20 22 49.2–.18 38.24N 27.44E 15 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=142.8.
ATH Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=61.0.
ISC V 05 22 10 27.7–1.3 38.08N–.03 42.93E–.03 3–12 30 0-2
DDA V 05 22 10 28.0 38.09N 42.88E 6 3.1 ¶13839281
ISK V 05 22 10 29.2 38.04N 42.97E 2 2.8
CSEM V 05 22 10 29.1–.25 38.08N 42.92E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=52.0.
ISC V 06 01 36 24.4–1.3 37.79N–.03 36.11E–.04 3–11 26 0-2
ISK V 06 01 36 23.9 37.79N 36.28E 28 2.5 ¶13839291
DDA V 06 01 36 26.5 37.76N 36.29E 7 2.9
CSEM V 06 01 36 26.3–.36 37.77N 35.97E 23–5 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=7.2km az=89.0.
ISC V 06 02 32 37.6–.99 38.64N–.02 27.01E–.02 8–9 126 0-4
ISK V 06 02 32 36.8 38.65N 27.00E 6 3.3 ¶13839293
CSEM V 06 02 32 37.9–.08 38.62N 26.99E 10 3.3
DDA V 06 02 32 37.2 38.62N 27.02E 7 3.3L
ATH V 06 02 32 37.4 38.64N 27.00E 29–1 3.2
ISCJB V 06 02 32 37.5–.51 38.63N–.02 26.99E–.02 9–4 3.2
THE V 06 02 32 38.2 38.65N 26.95E 1–0 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=57.0.
DDA Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=26.2.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=124.0.
ISC V 06 02 37 01.3–.88 38.63N–.02 27.00E–.02 13–8 87 0-3
ISK V 06 02 36 59.8 38.67N 26.95E 8 3.0 ¶13839294
CSEM V 06 02 37 01.4–.12 38.63N 27.00E 15 3.0
DDA V 06 02 37 01.1 38.61N 27.00E 11 3.0
ATH V 06 02 37 01.4 38.63N 26.99E 23–2 3.3
ISCJB V 06 02 37 01.1–.47 38.64N–.02 27.00E–.03 12–4 3.3
THE V 06 02 37 03.3 38.64N 26.84E 2–13 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=59.0.
DDA Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=1.3.
THE Event type ke. Error ellipse: s-maj=15.5km s-min=0.8km az=108.0.
ISC V 06 03 17 27.1–.87 38.62N–.02 27.00E–.02 14–7 85 0-3
ISK V 06 03 17 26.8 38.63N 26.99E 6 2.9 ¶13839295
DDA V 06 03 17 26.7 38.62N 27.01E 7 3.0
CSEM V 06 03 17 26.9–.12 38.63N 26.99E 2 2.9
ATH V 06 03 17 27.1 38.60N 27.00E 25–2 3.1
ISCJB V 06 03 17 27.1–.50 38.62N–.02 26.97E–.03 11–4 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 06 03 21 35.5–1.1 39.47N–.03 40.13E–.02 10–10 33 0-1
ISK V 06 03 21 35.2 39.47N 40.11E 15 2.5 ¶13839296
DDA V 06 03 21 35.4 39.45N 40.15E 7 2.9
CSEM V 06 03 21 35.9–.22 39.48N 40.12E 10 2.9
ISCJB V 06 03 21 35.7–.51 39.48N–.03 40.14E–.03 4–6 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 06 04 39 43.9–.91 39.12N–.02 29.04E–.02 12–8 66 0-2
ISK V 06 04 39 43.2 39.13N 28.98E 13 2.8 ¶13839297
DDA V 06 04 39 43.6 39.13N 29.07E 7 3.0
CSEM V 06 04 39 43.6–.11 39.12N 29.03E 10 3.0
ISCJB V 06 04 39 43.5–.43 39.12N–.02 29.04E–.03 9–4 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 06 06 52 17.9–1.2 40.50N–.02 35.41E–.02 6–11 64 1-3
ISK V 06 06 52 16.8 40.50N 35.40E 3 3.3 ¶13839300
DDA V 06 06 52 17.6 40.49N 35.40E 7 3.3L
CSEM V 06 06 52 17.8–.14 40.52N 35.41E 5 3.3L
ISCJB V 06 06 52 17.8–.70 40.49N–.03 35.41E–.03 5–6 3.3L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 06 08 31 31.1–1.1 37.68N–.03 36.09E–.02 6–11 40 0-2
CSEM V 06 08 31 30.9–.21 37.70N 36.06E 2 2.7 ¶13839302
DDA V 06 08 31 30.6 37.67N 36.05E 17 3.0
ISCJB V 06 08 31 30.9–.67 37.67N–.03 36.10E–.03 3–6 3.0
ISK V 06 08 31 31.1 37.66N 36.08E 5 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=145.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=170.5.
ISC V 06 10 59 52.5–1.0 37.80N–.03 36.24E–.02 15–11 33 0-1
ISK V 06 10 59 51.4 37.82N 36.27E 12 2.6 ¶13839308
CSEM V 06 10 59 52.1–.24 37.83N 36.28E 10 2.6
DDA V 06 10 59 52.8 37.79N 36.20E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.8km az=100.0.
DDA Event type ke.
ISC V 06 11 17 17.8–1.0 37.18N–.02 36.28E–.02 8–9 102 0-8
ISK V 06 11 17 17.6 37.22N 36.26E 9 3.2 ¶13839309
DDA V 06 11 17 17.5 37.20N 36.26E 11 3.5
NSSC V 06 11 17 18.0–1.8 37.17N 36.49E 0–7 3.0L,1.6
CSEM V 06 11 17 18.1–.18 37.16N 36.25E 10 3.2,1.6
ISC Event type ke.
DDA Event type ke.
NSSC Error ellipse: s-maj=8.2km s-min=9.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=80.0.
ISC V 06 12 02 43.7–.82 39.16N–.02 29.46E–.02 13–5 66 0-2
ISK V 06 12 02 42.8 39.15N 29.45E 8 2.7 ¶13839310
DDA V 06 12 02 43.6 39.15N 29.44E 14 2.9
CSEM V 06 12 02 43.5–.09 39.15N 29.47E 8 2.9
ISCJB V 06 12 02 43.6–.41 39.15N–.03 29.46E–.03 6–4 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

DDA	**V**	**06 14 41 11.9**	**37.19N**	**28.14E**	**7**	**2.5**		
								¶15136360
DDA	Event type ke.							
ISC	**V**	**06 14 42 04.3–.95**	**40.54N–.03**	**29.23E–.03**	**14–8**		**45**	**0-1**
ISK	V	06 14 42 03.4	40.55N	29.27E	19	2.6		**¶15136361**
ISCJB	V	06 14 42 03.6–.48	40.57N–.04	29.24E–.04	13–5	2.6		
CSEM	V	06 14 42 04.0–.18	40.55N	29.24E	15	2.6		
DDA	V	06 14 42 05.2	40.54N	29.24E	7	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=5.4km az=4.4.							
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=5.0.							
DDA	Event type ke.							
ISC	**V**	**06 15 42 19.5–1.1**	**38.93N–.02**	**39.01E–.03**	**16–12**		**27**	**0-1**
ISK	V	06 15 42 18.4	38.91N	39.02E	25	2.5		**¶13839314**
DDA	V	06 15 42 19.6	38.93N	38.99E	7	2.7		
CSEM	V	06 15 42 19.5–.16	38.93N	38.99E	8	2.5		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=75.0.							
ISC	**V**	**06 15 45 01.9–1.7**	**38.95N–.03**	**39.03E–.04**	**9–16**		**25**	**0-1**
ISK	V	06 15 45 01.8	38.94N	39.03E	27	2.5		**¶13839315**
CSEM	V	06 15 45 02.5–.22	38.96N	39.05E	23–4	2.5		
DDA	V	06 15 45 03.3	38.94N	39.00E	7	2.7		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=76.0.							
DDA	Event type ke.							
ISK	**V**	**06 15 54 35.5**	**40.59N**	**26.52E**	**2**	**2.7**		
CSEM	V	06 15 54 35.5	40.59N	26.52E	2	2.7		**¶13839317**
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.							
DDA	**V**	**06 17 51 54.2**	**40.17N**	**29.44E**	**7**	**2.5**		
								¶15136357
DDA	Event type ke.							
ISC	**V**	**06 20 09 22.7–.90**	**40.70N–.03**	**36.54E–.03**	**14–7**		**42**	**0-3**
ISK	V	06 20 09 21.9	40.71N	36.54E	9	3.0		**¶13839319**
DDA	V	06 20 09 22.6	40.68N	36.52E	7	2.8		
CSEM	V	06 20 09 22.6–.09	40.70N	36.54E	8	2.8		
ISCJB	V	06 20 09 22.5–.51	40.70N–.04	36.53E–.04	9–5	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**06 20 53 34.9–.93**	**39.25N–.02**	**41.67E–.03**	**11–7**		**52**	**0-3**
ISK	V	06 20 53 33.2	39.19N	41.75E	10	2.9		**¶13839320**
CSEM	V	06 20 53 34.8–.18	39.24N	41.66E	10	2.9		
ISCJB	V	06 20 53 34.9–.66	39.26N–.02	41.65E–.04	5–5	2.9		
DDA	V	06 20 53 35.3	39.26N	41.63E	3	2.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=56.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=10.3.							
DDA	Event type ke.							
ISC	**V**	**06 21 08 16.9–1.1**	**39.27N–.04**	**41.58E–.05**	**15–7**		**23**	**0-2**
DDA	V	06 21 08 16.4	39.26N	41.60E	7	2.7		**¶13839322**
CSEM	V	06 21 08 17.1–.92	39.29N	41.64E	2	2.7		
ISK	V	06 21 08 17.2	39.30N	41.38E	9	2.4		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=20.3km s-min=10.1km az=110.0.							
ISC	**V**	**06 22 36 04.0–.95**	**37.70N–.03**	**36.05E–.03**	**12–8**		**35**	**0-2**
CSEM	V	06 22 36 03.4–.22	37.72N	36.05E	8	2.5		**¶13839323**
DDA	V	06 22 36 03.3	37.69N	36.08E	7	2.9		
ISK	V	06 22 36 03.6	37.69N	36.05E	8	2.5		
ISCJB	V	06 22 36 03.5–.68	37.69N–.03	36.07E–.03	0–7	2.5		
ISC	Event type ke.							
CSEM	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**06 23 20 24.8–1.3**	**39.12N–.04**	**40.47E–.03**	**2–12**		**20**	**0-2**
ISK	V	06 23 20 24.4	39.13N	40.50E	7	2.6		**¶13839324**
CSEM	V	06 23 20 25.2–.25	39.06N	40.50E	10	2.6		
DDA	V	06 23 20 26.9	39.10N	40.49E	7	2.5		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=8.7km s-min=5.2km az=134.0.							
DDA	Event type ke.							
ISC	**V**	**07 00 45 14.8–1.1**	**37.90N–.03**	**43.04E–.03**	**8–11**		**25**	**0-2**
DDA	V	07 00 45 13.8	37.89N	43.00E	7	2.8		**¶13839328**
CSEM	V	07 00 45 14.6–.31	37.89N	43.03E	10	2.8		
ISK	V	07 00 45 15.0	37.85N	43.05E	26	2.6		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.5km s-min=5.5km az=58.0.							
ISC	**V**	**07 06 07 53.9–1.1**	**37.85N–.03**	**43.08E–.04**	**10–11**		**22**	**0-2**
CSEM	V	07 06 07 51.8–.13	37.81N	42.83E	10	2.8		**¶13839333**
ISK	V	07 06 07 53.2	37.85N	43.13E	5	2.8		
DDA	V	07 06 07 54.5	37.91N	43.04E	7	2.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=55.0.							
DDA	Event type ke.							
ISC	**V**	**07 07 07 26.5–1.1**	**39.98N–.03**	**42.07E–.03**	**8–8**		**47**	**0-2**
ISK	V	07 07 07 26.5	39.99N	42.10E	14	3.0		**¶13839335**
CSEM	V	07 07 07 26.7–.19	39.99N	42.06E	8	3.0		
ISCJB	V	07 07 07 26.2–.77	39.97N–.03	42.12E–.05	4–6	3.0		
DDA	V	07 07 07 28.0	40.05N	41.99E	8	3.0		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=133.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.0km s-min=4.9km az=18.9.							
DDA	Event type ke.							
DDA	**V**	**07 08 48 47.6**	**40.38N**	**36.55E**	**7**	**2.5**		
								¶15136403
DDA	Event type ke.							
ISC	**V**	**07 08 50 27.1–.99**	**37.28N–.05**	**28.22E–.03**	**7–12**		**34**	**0-2**
DDA	V	07 08 50 26.5	37.26N	28.32E	7	2.9		**¶13839342**
ISK	V	07 08 50 26.8	37.27N	28.21E	7	2.5		
ISCJB	V	07 08 50 26.9–.54	37.25N–.05	28.22E–.06	13–7	2.5		
CSEM	V	07 08 50 27.3–.14	37.25N	28.21E	10	2.5		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.3km s-min=4.6km az=39.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=2.4km az=37.0.							
DDA	**V**	**07 09 30 32.2**	**37.84N**	**29.64E**	**7**	**2.4**		
								¶15136399
DDA	Event type ke.							
ISK	**V**	**07 09 51 18.0**	**40.93N**	**31.47E**	**21**	**2.7**		
CSEM	V	07 09 51 18.2–.46	40.96N	31.45E	18–3	2.7		**¶13839346**
CSEM	Event type ke. Error ellipse: s-maj=11.6km s-min=5.6km az=162.0.							
ISC	**V**	**07 11 30 23.6–1.0**	**38.71N–.03**	**38.15E–.03**	**11–11**		**38**	**0-2**
ISK	V	07 11 30 22.5	38.70N	38.15E	4	2.8		**¶13839349**
CSEM	V	07 11 30 23.7–.25	38.68N	38.20E	5	2.8		
DDA	V	07 11 30 23.1	38.72N	38.14E	7	3.1		
ISCJB	V	07 11 30 23.2–.56	38.72N–.03	38.16E–.04	0–7	3.1		
ISC	Event type ke.							
CSEM	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**07 12 03 18.6–1.3**	**40.48N–.06**	**40.70E–.03**	**1–19**		**20**	**0-2**
CSEM	V	07 12 03 19.7–.34	40.54N	40.73E	2	2.5		**¶13839352**
ISK	V	07 12 03 19.6	40.45N	40.70E	2	2.5		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=10.6km s-min=5.8km az=175.0.							
ISC	**V**	**07 13 42 51.4–1.0**	**37.83N–.02**	**27.59E–.02**	**5–8**	**3.6b**	**168**	**0-64**
ISK	V	07 13 42 50.7	37.85N	27.58E	10	3.3		**¶13678502**
IDC	V	07 13 42 50.6–1.5	37.68N	27.61E	0	3.8L,3.7		
ATH	V	07 13 42 50.8	37.82N	27.60E	9–2	3.5,3.7		
CSEM	V	07 13 42 51.2–.12	37.83N	27.63E	2	3.3,3.7		
DDA	V	07 13 42 51.1	37.86N	27.55E	20	3.3,3.7		
THE	V	07 13 42 54.8	37.75N	27.59E	19–6	3.6L,3.7		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=53.3km s-min=23.7km az=149.0.							
ATH	Error ellipse: s-maj=1.5km s-min=2.3km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=71.0.							
DDA	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=6.6km s-min=1.4km az=74.0.							
ISC	**V**	**07 15 23 03.6–.97**	**40.07N–.02**	**38.64E–.02**	**14–10**		**61**	**0-3**
ISK	V	07 15 23 02.6	40.06N	38.63E	12	2.9		**¶13839361**
DDA	V	07 15 23 03.6	40.03N	38.66E	7	3.3L		
CSEM	V	07 15 23 03.5–.18	40.06N	38.64E	10	3.3L		
ISCJB	V	07 15 23 03.2–.49	40.06N–.02	38.64E–.03	7–5	3.3L		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**07 16 12 39.1–.96**	**40.60N–.03**	**30.32E–.02**	**9–6**		**41**	**0-2**
ISK	V	07 16 12 37.8	40.58N	30.31E	14	2.5		**¶13839362**
CSEM	V	07 16 12 38.4–.13	40.59N	30.30E	10	2.5		
ISCJB	V	07 16 12 38.2–.47	40.60N–.04	30.29E–.04	11–5	2.5		
DDA	V	07 16 12 40.4	40.62N	30.42E	7	2.6		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=14.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=5.3km az=19.3.							
DDA	Event type ke.							
ISC	**V**	**07 17 02 37.2–1.1**	**39.98N–.03**	**27.34E–.02**	**14–9**		**57**	**0-2**
ISK	V	07 17 02 35.6	39.95N	27.27E	21	2.8		**¶13839364**
CSEM	V	07 17 02 36.4–.11	39.97N	27.28E	20	2.8		
DDA	V	07 17 02 37.5	39.94N	27.35E	4	2.7		
ISCJB	V	07 17 02 37.5–.41	40.06N–.03	27.35E–.04	25–5	2.7		
ISC	Event type ke.							
CSEM	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**07 20 06 10.3–.89**	**39.05N–.02**	**29.36E–.02**	**7–7**		**62**	**0-2**
ISK	V	07 20 06 09.8	39.06N	29.36E	7	2.6		**¶13839365**
DDA	V	07 20 06 10.4	39.03N	29.33E	7	2.8		
CSEM	V	07 20 06 10.3–.09	39.05N	29.36E	5	2.8		
ISCJB	V	07 20 06 10.1–.46	39.05N–.03	29.36E–.03	2–5	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**07 20 15 22.8–.99**	**37.37N–.04**	**27.51E–.03**	**15–9**		**20**	**0-1**
CSEM	V	07 20 15 23.3–.18	37.38N	27.52E	10	2.2		**¶13839366**
ISK	V	07 20 15 23.6	37.28N	27.56E	5	2.2		
DDA	V	07 20 15 24.6	37.48N	27.55E	7	2.5		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=37.0.							
DDA	Event type ke.							
ISC	**V**	**07 21 09 00.2–1.3**	**37.05N–.04**	**43.25E–.04**	**6–11**		**24**	**1-4**
DDA	V	07 21 09 00.1	37.07N	43.23E	7	3.1		**¶15136377**
CSEM	V	07 21 09 00.0–.22	37.03N	43.27E	2	3.1		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=74.0.							
ISC	**V**	**07 23 46 43.5–1.0**	**39.28N–.02**	**27.94E–.01**	**5–7**	**3.5b**	**463**	**0-78**
ATH	V	07 23 46 40.6	39.33N	28.08E	12–3	4.0L		**¶12793656**
DDA	V	07 23 46 42.7	39.29N	27.93E	28	4.1L		
IDC	V	07 23 46 42.7–1.0	39.26N	27.90E	0	3.9s,3.8		
ISK	V	07 23 46 42.9	39.29N	27.93E	6	4.1L,3.8		
CSEM	V	07 23 46 43.4–.06	39.29N	27.94E	2	4.1L,3.8		
BEO	V	07 23 46 43.9–1.1	39.68N	28.42E	0–5	4.2L,3.8		
THE	V	07 23 46 43.9	39.29N	27.98E	3–2	4.3L,3.8		
ISCJB	V	07 23 46 43.1–.33	39.30N–.01	27.94E–.01	7–2	4.3s,3.5b		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke.							
BEO	Event type ke.							
THE	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**08 00 27 29.7–.88**	**40.70N–.03**	**36.55E–.02**	**13–6**		**49**	**0-3**
ISK	V	08 00 27 28.8	40.68N	36.51E	5	3.0		**¶13839375**
DDA	V	08 00 27 29.4	40.66N	36.57E	16	2.8		
CSEM	V	08 00 27 29.6–.09	40.69N	36.54E	8	2.8		
ISCJB	V	08 00 27 29.5–.54	40.69N–.04	36.51E–.03	7–5	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**08 00 49 03.7–.98**	**39.29N–.01**	**27.94E–.01**	**11–8**		**183**	**0-3**
ISK	V	08 00 49 02.8	39.29N	27.94E	5	3.1		**¶13839377**
CSEM	V	08 00 49 03.8–.08	39.27N	27.94E	2	3.1		
DDA	V	08 00 49 03.4	39.30N	27.93E	23	3.3		
ATH	V	08 00 49 03.2	39.35N	27.96E	11–1	3.6		
ISCJB	V	08 00 49 03.9–.37	39.29N–.01	27.95E–.02	4–3	3.6		
THE	V	08 00 49 04.9	39.21N	28.06E	14–4	2.4L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=99.0.							
DDA	Event type ke.							
ATH	Error ellipse: s-maj=1.4km s-min=2.0km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=13.7.							
THE	Event type ke. Error ellipse: s-maj=5.1km s-min=1.1km az=143.0.							
DDA	**V**	**08 01 15 45.4**	**39.27N**	**27.91E**	**7**	**2.7**		
								¶15136437
DDA	Event type ke.							
ISC	**V**	**08 01 53 24.2–.94**	**39.31N–.01**	**27.93E–.01**	**13–8**		**207**	**0-4**
ISK	V	08 01 53 22.7	39.31N	27.91E	5	3.5		**¶13839378**
CSEM	V	08 01 53 23.9–.08	39.30N	27.92E	2	3.5		
DDA	V	08 01 53 23.4	39.30N	27.94E	24	3.3		
THE	V	08 01 53 23.8	39.20N	27.95E	0–2	2.9L		
ISCJB	V	08 01 53 23.9–.35	39.30N–.01	27.93E–.02	5–3	2.9L		
ATH	V	08 01 53 26.1	39.65N	27.72E	6–2	3.7		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=100.0.							
DDA	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=4.6km s-min=1.4km az=146.0.							
ISCJB	Event type ke. Error ellipse: s-maj=2.4km s-min=2.4km az=178.5.							
ATH	Error ellipse: s-maj=1.5km s-min=2.2km az=-1.0.							
ISC	**V**	**08 03 43 49.5–.85**	**40.32N–.03**	**27.06E–.02**	**17–6**		**50**	**0-2**
ISK	V	08 03 43 48.9	40.34N	27.07E	20	2.7		**¶13839380**
DDA	V	08 03 43 49.7	40.30N	27.04E	7	2.6		
CSEM	V	08 03 43 49.5–.13	40.36N	27.06E	20	2.7		
ISCJB	V	08 03 43 49.7–.43	40.36N–.03	27.06E–.03	21–7	2.7		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**V**	**08 04 26 13.2–1.0**	**39.29N–.02**	**27.94E–.02**	**8–9**		**120**	**0-3**
ATH	V	08 04 26 07.3	39.18N	28.34E	9–2	3.5		**¶13839381**
ISK	V	08 04 26 12.0	39.29N	27.94E	5	3.3		
DDA	V	08 04 26 13.0	39.30N	27.93E	8	3.1		
CSEM	V	08 04 26 13.4–.09	39.28N	27.93E	5	3.3		
ISCJB	V	08 04 26 13.0–.40	39.29N–.02	27.94E–.02	1–4	3.3		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							

ISC V 08 05 45 52.3–2.4 37.5N–.10 35.96E–.04 16–14 18 0-1
CSEM V 08 05 45 52.6–.37 37.49N 35.95E 15 2.5 **¶13839382**
ISK V 08 05 45 53.7 37.32N 36.05E 3 2.5
ISCJB V 08 05 45 53.9–.88 37.37N–.05 35.98E–.04 6–8 2.5
DDA V 08 05 45 54.2 37.31N 35.97E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=6.7km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.9km az=156.9.
DDA Event type ke.
ISC V 08 06 41 41.1–1.1 37.21N–.03 28.17E–.02 3–11 29 0-1
ISK V 08 06 41 39.7 37.23N 28.16E 5 2.7 **¶13839384**
DDA V 08 06 41 40.7 37.23N 28.14E 7 2.7
CSEM V 08 06 41 41.1–.21 37.21N 28.17E 2 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=25.0.
ISC V 08 09 56 59.1–.83 39.22N–.02 29.37E–.02 14–6 76 0-2
ISK V 08 09 56 58.4 39.22N 29.36E 7 3.0 **¶13839390**
DDA V 08 09 56 59.0 39.22N 29.33E 7 2.8
ISCJB V 08 09 56 58.9–.38 39.22N–.02 29.36E–.03 8–4 2.8
CSEM V 08 09 56 59.1–.09 39.22N 29.38E 10 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=143.8.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=132.0.
ISC V 08 10 09 27.4–.82 39.22N–.02 29.37E–.02 14–6 70 0-2
ISK V 08 10 09 26.7 39.21N 29.37E 10 2.9 **¶13839391**
CSEM V 08 10 09 27.2–.06 39.21N 29.38E 10 2.9
DDA V 08 10 09 27.6 39.22N 29.35E 7 2.9
ISCJB V 08 10 09 27.2–.39 39.22N–.02 29.37E–.03 8–4 2.9
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC V 08 10 11 34.1–.82 39.22N–.02 29.38E–.02 15–6 59 0-2
ISK V 08 10 11 33.6 39.21N 29.38E 9 2.9 **¶13839392**
DDA V 08 10 11 34.3 39.22N 29.37E 12 2.8
CSEM V 08 10 11 34.1–.08 39.21N 29.38E 10 2.8
ISCJB V 08 10 11 34.1–.41 39.22N–.02 29.37E–.03 9–4 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 08 10 24 31.9–.86 39.22N–.02 29.39E–.02 12–6 78 0-3
ISK V 08 10 24 31.0 39.21N 29.36E 6 2.9 **¶13839393**
CSEM V 08 10 24 31.9–.12 39.21N 29.40E 10 2.9
ISCJB V 08 10 24 31.8–.45 39.23N–.03 29.36E–.03 5–4 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 08 11 30 13.5–1.1 39.43N–.03 28.10E–.03 8–9 52 0-2
ISK V 08 11 30 13.0 39.40N 28.10E 15 2.7 **¶13839397**
CSEM V 08 11 30 13.9–.18 39.44N 28.13E 12 2.7
ISCJB V 08 11 30 13.6–.55 39.41N–.03 28.10E–.04 7–5 2.7
DDA V 08 11 30 14.8 39.46N 28.14E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.9km az=33.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.7km az=35.1.
DDA Event type ke.
ISK V 08 11 34 48.8 38.95N 35.00E 4 2.8
CSEM V 08 11 34 48.8 38.95N 35.00E 4 2.8 **¶13839398**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC V 08 12 46 37.2–1.2 37.29N–.03 31.99E–.05 14–11 24 1-2
DDA V 08 12 46 36.7 37.29N 32.02E 11 3.0 **¶13839400**
CSEM V 08 12 46 36.7–.30 37.25N 31.91E 12 3.0
ISK V 08 12 46 37.1 37.37N 32.97E 7 2.8
ISCJB V 08 12 46 37.2–1.3 37.27N–.04 32.02E–.08 4–13 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 08 12 52 39.4–1.0 40.40N–.03 39.69E–.02 10–10 29 0-1
ISK V 08 12 52 38.2 40.40N 39.70E 16 2.6 **¶13839401**
DDA V 08 12 52 39.0 40.40N 39.69E 7 2.8
CSEM V 08 12 52 39.3–.15 40.41N 39.70E 8 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=7.0.
ISC V 08 13 16 18.1–1.0 39.27N–.02 27.90E–.02 10–11 60 0-2
ISK V 08 13 16 17.6 39.26N 27.86E 8 2.8 **¶13839402**
DDA V 08 13 16 18.4 39.30N 27.97E 7 2.8
CSEM V 08 13 16 18.4–.18 39.27N 27.91E 10 2.8
ISCJB V 08 13 16 18.4–.46 39.27N–.02 27.95E–.03 7–4 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 08 13 42 15.7–1.5 39.54N–.05 27.23E–.03 10–11 34 0-2
DDA V 08 13 42 16.0 39.54N 27.21E 7 2.7 **¶13839403**
CSEM V 08 13 42 15.6–.31 39.52N 27.22E 12 2.7
ISK V 08 13 42 15.5 39.55N 27.23E 8 2.7
ISCJB V 08 13 42 15.2–.99 39.51N–.06 27.22E–.04 7–6 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 08 14 09 11.8–1.0 37.25N–.04 28.21E–.03 8–9 26 0-1
ISK V 08 14 09 10.2 37.29N 28.21E 2 2.4 **¶13839406**
DDA V 08 14 09 11.4 37.17N 28.00E 6 2.9
CSEM V 08 14 09 11.6–.26 37.24N 28.21E 10 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=3.9km az=34.0.
ISC V 08 15 07 25.9–1.0 38.21N–.02 38.64E–.02 8–8 43 0-2
ISK V 08 15 07 25.2 38.20N 38.63E 6 3.0 **¶13839409**
DDA V 08 15 07 25.4 38.22N 38.61E 7 3.3
CSEM V 08 15 07 25.6–.21 38.22N 38.64E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=150.0.
ISC V 08 15 32 32.4–.95 39.53N–.02 26.13E–.04 12–9 38 0-2
THE V 08 15 32 32.9 39.52N 26.08E 4–7 1.9L **¶13839410**
CSEM V 08 15 32 32.6–.12 39.52N 26.12E 12 2.7
ISCJB V 08 15 32 32.5–.51 39.54N–.03 26.13E–.05 9–5 2.7
ISK V 08 15 32 33.4 39.54N 26.31E 7 2.7
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=7.8km s-min=0.8km az=84.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=112.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.7km az=19.0.
DDA V 08 16 17 03.6 37.43N 42.90E 7 2.7
¶15136416
DDA Event type ke.
ISC V 08 16 58 42.3–1.0 38.90N–.02 27.17E–.01 10–9 144 1-3
DDA V 08 16 58 41.6 38.90N 27.16E 29 3.0 **¶13839413**
ISK V 08 16 58 41.9 38.89N 27.15E 9 3.1
CSEM V 08 16 58 42.4–.11 38.90N 27.17E 5 3.1
ATH V 08 16 58 42.0 38.89N 27.21E 17–3 3.5
ISCJB V 08 16 58 42.3–.42 38.90N–.02 27.15E–.02 7–3 3.5
THE V 08 16 58 43.6 38.88N 27.07E 0–1 2.6L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=41.0.
ATH Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=13.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=112.0.
ISC V 08 17 51 23.7–1.2 37.65N–.02 43.95E–.04 4–10 49 0-4
DDA V 08 17 51 20.6 37.52N 44.06E 5 3.2 **¶13839415**
ISK V 08 17 51 23.2 37.65N 43.80E 5 3.6
CSEM V 08 17 51 24.0–.31 37.63N 43.89E 2 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=4.5km az=82.0.
ISC V 08 18 00 41.2–.98 39.62N–.02 29.04E–.02 8–11 46 0-1
ISK V 08 18 00 40.8 39.59N 29.04E 8 2.6 **¶13839416**
ISCJB V 08 18 00 41.0–.45 39.62N–.03 29.03E–.03 5–6 2.6
DDA V 08 18 00 41.1 39.65N 29.02E 7 2.8
CSEM V 08 18 00 41.2–.15 39.61N 29.03E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=0.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=176.0.
ISC V 08 19 56 44.0–1.0 39.28N–.01 27.94E–.02 5–9 230 0-7
ISK V 08 19 56 42.9 39.29N 27.92E 8 3.4 **¶13839418**
ISCJB V 08 19 56 42.9–.38 39.28N–.01 27.91E–.02 1–3 3.4
DDA V 08 19 56 43.5 39.28N 27.94E 25 3.4
ATH V 08 19 56 43.3 39.21N 28.04E 32–6 3.7
CSEM V 08 19 56 43.6–.07 39.28N 27.95E 5 3.4
SOF V 08 19 56 44.4 39.41N 27.85E 8 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=167.7.
DDA Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=3.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=75.0.
ISC V 08 20 00 55.2–.99 39.29N–.01 27.96E–.02 7–8 180 0-5
ISK V 08 20 00 53.4 39.29N 27.94E 5 3.2 **¶13839419**
ATH V 08 20 00 53.5 39.31N 28.01E 15–1 3.5
DDA V 08 20 00 54.3 39.29N 27.94E 22 3.2
CSEM V 08 20 00 54.6–.06 39.29N 27.95E 2 3.2
ISCJB V 08 20 00 54.4–.39 39.29N–.01 27.94E–.02 2–3 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 08 21 52 47.2–.98 39.31N–.01 27.93E–.02 10–9 139 0-3
ATH V 08 21 52 40.7 39.25N 28.38E 8–3 3.3 **¶13839426**
ISK V 08 21 52 46.2 39.31N 27.93E 2 3.1
DDA V 08 21 52 46.8 39.30N 27.95E 24 3.0
ISCJB V 08 21 52 46.9–.38 39.31N–.02 27.94E–.02 2–3 3.0
CSEM V 08 21 52 47.0–.07 39.30N 27.92E 2 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=3.3km s-min=7.4km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=2.1.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=85.0.
ISC V 08 22 38 35.7–1.1 36.44N–.04 29.14E–.03 12–8 37 0-2
ISK V 08 22 38 33.3 36.32N 29.09E 7 2.8 **¶13839429**
CSEM V 08 22 38 34.9–.28 36.42N 29.17E 15 2.8
DDA V 08 22 38 35.1 36.53N 29.13E 7 2.8
ISCJB V 08 22 38 35.0–.81 36.39N–.05 29.09E–.04 13–5 2.8
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC V 09 02 59 01.0–1.1 37.79N–.02 36.23E–.03 5–10 40 0-2
DDA V 09 02 59 00.9 37.76N 36.20E 7 2.9 **¶13839438**
CSEM V 09 02 59 01.5–.42 37.84N 36.26E 2 2.9
ISK V 09 02 59 01.4 37.83N 36.34E 7 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=8.3km az=55.0.
ISC V 09 06 06 41.8–1.3 37.30N–.04 28.17E–.03 3–13 30 0-2
ISK V 09 06 06 38.0 37.47N 28.25E 3 2.4 **¶13839439**
DDA V 09 06 06 42.6 37.27N 28.19E 6 2.8
CSEM V 09 06 06 42.0–.28 37.23N 28.18E 10 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.3km az=20.0.
ISC V 09 08 57 11.6–1.0 39.28N–.02 27.92E–.02 9–10 81 0-3
ISK V 09 08 57 10.7 39.28N 27.92E 9 3.2 **¶13839440**
ISCJB V 09 08 57 10.9–.45 39.27N–.02 27.95E–.04 4–4 3.2
DDA V 09 08 57 11.1 39.31N 27.98E 9 3.1
CSEM V 09 08 57 11.3–.09 39.28N 27.93E 8 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=177.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=95.0.
ISC V 09 09 56 38.0–.82 39.21N–.02 29.46E–.02 11–6 182 0-7
ISK V 09 09 56 37.4 39.20N 29.47E 8 3.5L **¶13839441**
DDA V 09 09 56 37.7 39.19N 29.41E 3 3.3
CSEM V 09 09 56 37.8–.07 39.20N 29.48E 5 3.3
ISCJB V 09 09 56 37.4–.41 39.21N–.02 29.46E–.02 4–3 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISK V 09 15 13 14.1 41.05N 36.02E 34 2.6
¶13839447
ISC V 09 16 31 22.1–1.0 39.39N–.02 28.23E–.02 9–10 63 0-2
ISK V 09 16 31 21.3 39.37N 28.22E 4 2.8 **¶13839449**
DDA V 09 16 31 21.6 39.45N 28.24E 18 2.8
CSEM V 09 16 31 21.9–.10 39.39N 28.22E 2 2.8
ISCJB V 09 16 31 21.9–.45 39.40N–.03 28.22E–.03 2–5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 09 19 49 48.1–.79 39.29N–.02 26.75E–.02 11–5 166 0-4
DDA V 09 19 49 48.0 39.28N 26.74E 11 3.2 **¶13839453**
ISK V 09 19 49 47.3 39.28N 26.76E 6 3.3
ISCJB V 09 19 49 47.7–.34 39.28N–.02 26.75E–.02 7–2 3.3
CSEM V 09 19 49 48.0–.08 39.28N 26.75E 8 3.2
ATH V 09 19 49 48.5 39.26N 26.70E 25–2 3.4
THE V 09 19 49 48.4 39.25N 26.74E 2–1 2.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=23.3.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=17.0.
ATH Error ellipse: s-maj=2.0km s-min=4.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=207.0.
ISC V 09 20 55 11.4–1.2 39.28N–.01 27.94E–.01 2–10 193 0-7
ISK V 09 20 55 11.6 39.30N 27.91E 5 3.3 **¶13839454**
ISCJB V 09 20 55 12.7–.37 39.29N–.01 27.91E–.02 5–3 3.3
DDA V 09 20 55 12.4 39.28N 27.94E 12 3.2
ATH V 09 20 55 12.1 39.26N 28.01E 24–15 3.5
CSEM V 09 20 55 12.8–.08 39.28N 27.91E 2 3.3
THE V 09 20 55 15.5 39.27N 27.84E 11–2 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=172.9.
DDA Event type ke.
ATH Error ellipse: s-maj=5.2km s-min=12.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=82.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.7km az=101.0.

ISC V 10 00 07 39.5–1.0 39.10N–.05 42.05E–.04 8 10 0-1
ISCJB V 10 00 07 39.5–.83 39.05N–.05 42.00E–.07 8 **¶15136477**
DDA V 10 00 07 41.2 39.11N 42.09E 3 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.8km az=3.6.
DDA Event type ke.
ISC V 10 00 09 44.7–.85 40.77N–.03 30.93E–.02 7–6 66 0-2
ISK V 10 00 09 43.9 40.77N 30.96E 10 2.9 **¶13839460**
DDA V 10 00 09 43.9 40.89N 30.94E 10 3.1
CSEM V 10 00 09 44.4–.14 40.74N 30.95E 5 3.1
ISCJB V 10 00 09 44.6–.49 40.76N–.03 30.93E–.03 6–4 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 10 01 35 45.7–1.0 39.42N–.04 33.10E–.05 6–8 34 0-2
CSEM V 10 01 35 45.7–.18 39.43N 33.05E 5 2.8 **¶13839462**
ISK V 10 01 35 45.2 39.42N 33.07E 6 2.8
ISCJB V 10 01 35 45.4–.92 39.42N–.03 33.08E–.07 2–8 2.8
DDA V 10 01 35 46.2 39.58N 32.71E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=104.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.4km az=19.2.
DDA Event type ke.
ISC V 10 01 36 32.1–1.0 38.20N–.02 38.60E–.02 12–8 102 0-7
NSSC V 10 01 36 22.1–1.5 38.81N 39.04E 0–25 2.8L **¶13839463**
ISK V 10 01 36 31.9 38.19N 38.63E 6 3.6
DDA V 10 01 36 32.1 38.20N 38.60E 12 3.4
CSEM V 10 01 36 32.3–.14 38.18N 38.62E 2 3.6
ISC Event type ke.
NSSC Error ellipse: s-maj=42.0km s-min=7.9km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=134.0.
ISC V 10 07 21 44.8–1.6 38.53N–.04 43.67E–.07 2–18 18 0-1
DDA V 10 07 21 44.8 38.54N 43.62E 7 2.7 **¶15136475**
CSEM V 10 07 21 44.8 38.54N 43.62E 7 2.7
ISCJB V 10 07 21 46.3–.76 38.50N–.04 43.52E–.08 11–5 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. After DDA.
ISCJB Event type ke.
ISC V 10 07 39 44.0–.90 37.62N–.04 36.42E–.03 8–6 29 0-1
ISK V 10 07 39 43.9 37.56N 36.52E 21 2.4 **¶13839475**
DDA V 10 07 39 43.9 37.65N 36.41E 6 2.8
CSEM V 10 07 39 43.8–.58 37.76N 36.44E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.4km s-min=11.2km az=103.0.
ISC V 10 09 04 39.1–.97 37.19N–.05 37.23E–.05 8–5 21 0-1
ISK V 10 09 04 36.9 37.10N 37.34E 5 2.5 **¶13839480**
DDA V 10 09 04 38.4 37.19N 37.12E 7 2.8
CSEM V 10 09 04 38.3–.52 37.08N 37.30E 5 2.8
ISCJB V 10 09 04 38.9–.72 37.15N–.05 37.14E–.06 5–7 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 10 14 22 17.3–.83 40.00N–.02 27.70E–.02 12–6 108 0-3
ISK V 10 14 22 16.6 40.00N 27.69E 12 3.0 **¶13839494**
DDA V 10 14 22 16.8 40.00N 27.70E 12 3.4L,3.2
ISCJB V 10 14 22 17.0–.34 40.01N–.02 27.71E–.03 7–3 3.4L,3.2
CSEM V 10 14 22 17.1–.06 40.00N 27.68E 10 3.0,3.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=147.3.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=59.0.
ISC V 10 14 48 31.4–.93 37.21N–.03 28.18E–.03 10–7 30 0-1
ISK V 10 14 48 30.8 37.21N 28.17E 11 2.7 **¶13839495**
ISCJB V 10 14 48 31.0–.53 37.17N–.05 28.15E–.04 14–5 2.7
DDA V 10 14 48 31.3 37.22N 28.17E 7 3.0
CSEM V 10 14 48 31.1–.13 37.20N 28.17E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.9km az=29.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=29.0.
ISC V 10 16 35 02.3–1.2 37.59N–.04 35.56E–.03 17–9 28 0-1
DDA V 10 16 35 01.6 37.61N 35.49E 6 2.8 **¶13839497**
ISK V 10 16 35 02.4 37.63N 35.62E 16 2.5
CSEM V 10 16 35 02.4–.29 37.60N 35.56E 18–3 2.5
ISCJB V 10 16 35 03.3–.57 37.59N–.04 35.58E–.04 21–10 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 10 18 41 35.7–1.0 37.88N–.05 29.08E–.05 12–11 22 0-1
ISK V 10 18 41 34.8 37.86N 29.08E 17 2.5 **¶13839501**
CSEM V 10 18 41 35.4–.16 37.86N 29.11E 12 2.5
DDA V 10 18 41 35.7 37.89N 29.09E 7 3.0
ISCJB V 10 18 41 35.7–.76 37.88N–.04 29.10E–.07 12–7 3.0
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC V 10 20 49 32.5–1.1 37.86N–.04 29.15E–.07 18–3 18 0-1
CSEM V 10 20 49 31.1–.60 37.79N 29.20E 25–4 2.4 **¶13839504**
ISK V 10 20 49 32.2 37.89N 29.13E 18 2.4
ISCJB V 10 20 49 32.2–1.8 37.82N–.08 29.16E–.09 22–13 2.4
DDA V 10 20 49 34.2 37.83N 29.00E 6 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.5km s-min=6.2km az=142.0.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=7.5km az=138.4.
DDA Event type ke.
ISC V 10 21 12 10.7–.90 38.33N–.03 38.87E–.02 15–8 34 0-2
ISK V 10 21 12 09.5 38.32N 38.87E 3 2.7 **¶13839505**
DDA V 10 21 12 10.1 38.24N 38.89E 7 2.8
CSEM V 10 21 12 10.7–.18 38.34N 38.88E 10 2.8
ISCJB V 10 21 12 10.8–.51 38.31N–.03 38.86E–.03 9–6 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 10 21 16 15.9–1.2 37.90N–.02 29.01E–.03 1–12 46 0-2
ISK V 10 21 16 15.9 37.90N 29.09E 5 2.7 **¶13839507**
DDA V 10 21 16 15.9 37.87N 29.02E 7 3.0
CSEM V 10 21 16 16.5–.18 37.88N 29.03E 2 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=106.0.
ISC V 10 23 04 50.7–.97 37.88N–.02 29.08E–.03 6–9 38 0-1
ISK V 10 23 04 49.7 37.87N 29.12E 4 2.7 **¶13839509**
DDA V 10 23 04 50.5 37.88N 29.04E 7 2.9
CSEM V 10 23 04 50.4–.17 37.87N 29.08E 8 2.7
ISCJB V 10 23 04 50.6–.48 37.88N–.03 29.04E–.05 5–6 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 10 23 57 29.7–1.0 37.87N–.06 29.08E–.06 11–12 22 0-1
ISK V 10 23 57 29.5 37.86N 29.09E 11 2.3 **¶13839511**
DDA V 10 23 57 29.5 37.87N 29.08E 7 2.9
ISCJB V 10 23 57 29.9–.83 37.88N–.07 29.1E–.10 9–14 2.9
CSEM V 10 23 57 30.2–.13 37.88N 29.08E 2 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=4.6km az=32.9.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.2km az=123.0.
ISC V 11 00 31 21.1–1.1 37.62N–.02 30.58E–.02 1–10 92 0-3
ISK V 11 00 31 20.1 37.63N 30.57E 5 3.2 **¶13839518**
CSEM V 11 00 31 20.4–.17 37.63N 30.58E 0–1 3.2
DDA V 11 00 31 21.7 37.58N 30.60E 9 3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=122.0.
DDA Event type ke.
ISC V 11 01 40 08.9–1.1 39.06N–.02 32.63E–.02 9–12 80 1-4
ISK V 11 01 40 08.2 39.12N 32.57E 5 3.5 **¶13839520**
DDA V 11 01 40 08.3 39.06N 32.63E 7 3.1
CSEM V 11 01 40 09.4–.10 39.10N 32.58E 2 3.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=152.0.
ISC V 11 02 09 31.8–.95 38.75N–.02 38.74E–.03 12–11 38 0-2
ISK V 11 02 09 30.9 38.75N 38.74E 9 2.9 **¶13839521**
DDA V 11 02 09 31.6 38.72N 38.73E 7 2.9
CSEM V 11 02 09 31.5–.15 38.74N 38.76E 8 2.9
ISCJB V 11 02 09 31.5–.52 38.74N–.03 38.74E–.05 8–5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
DDA V 11 03 21 50.0 37.87N 29.08E 7 2.8
¶15136502
DDA Event type ke.
ISC V 11 03 44 01.9–1.1 37.91N–.02 29.05E–.03 3–13 38 0-2
ISK V 11 03 44 01.4 37.90N 29.03E 6 2.7 **¶13839524**
ISCJB V 11 03 44 01.9–.46 37.90N–.03 29.07E–.05 5–7 2.7
DDA V 11 03 44 02.5 37.89N 29.06E 7 2.9
CSEM V 11 03 44 02.1–.16 37.90N 29.07E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=9.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=99.0.
ISC V 11 04 53 20.6–2.0 37.85N–.09 28.8E–.20 31–10 8 0-1
DDA V 11 04 53 24.3 37.89N 29.06E 7 2.8 **¶15136500**
ISC Event type ke.
DDA Event type ke.
ISC V 11 14 57 59.3–.90 37.54N–.03 35.68E–.02 10–7 44 0-2
DDA V 11 14 57 58.6 37.57N 35.71E 7 2.9 **¶13839529**
ISK V 11 14 57 59.6 37.54N 35.71E 7 2.9
CSEM V 11 14 57 59.6–.16 37.55N 35.68E 5 2.9
ISCJB V 11 14 57 59.6–.52 37.53N–.03 35.70E–.03 8–4 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISK V 11 16 22 24.0 40.82N 30.76E 5 2.7
CSEM V 11 16 22 24.0 40.82N 30.76E 5 2.7 **¶13839533**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC V 11 16 24 15.8–2.0 37.71N–.08 40.15E–.05 1–14 20 0-1
CSEM V 11 16 24 13.3–.59 37.67N 40.42E 3–2 2.6 **¶13839534**
ISK V 11 16 24 14.4 37.74N 40.39E 8 2.6
DDA V 11 16 24 15.9 37.79N 39.94E 7 2.8
ISCJB V 11 16 24 17.6–1.1 37.77N–.06 40.19E–.07 6–7 2.8
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC V 11 16 51 48.0–1.0 37.85N–.02 27.55E–.02 5–9 101 0-3
ISK V 11 16 51 46.9 37.86N 27.50E 5 3.2 **¶13839535**
DDA V 11 16 51 47.7 37.84N 27.54E 9 3.0
ISCJB V 11 16 51 47.9–.45 37.86N–.02 27.53E–.03 4–5 3.0
CSEM V 11 16 51 48.2–.11 37.84N 27.53E 2 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=151.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=65.0.
ISK V 11 18 56 34.6 39.78N 27.03E 22 2.6
CSEM V 11 18 56 34.6 39.78N 27.03E 22 2.6 **¶13839536**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC V 11 20 30 30.0–1.0 39.70N–.02 38.86E–.03 9–10 38 0-2
ISK V 11 20 30 29.4 39.71N 38.85E 10 2.9 **¶13839539**
ISCJB V 11 20 30 29.9–.49 39.69N–.03 38.84E–.04 9–5 2.9
DDA V 11 20 30 30.1 39.69N 38.79E 7 2.9
CSEM V 11 20 30 30.0–.13 39.70N 38.84E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=138.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=115.0.
ISC V 11 20 59 09.4–1.0 37.87N–.03 27.51E–.03 9–11 30 0-1
DDA V 11 20 59 09.0 37.85N 27.53E 7 2.8 **¶13839540**
ISK V 11 20 59 09.1 37.87N 27.43E 6 2.7
CSEM V 11 20 59 09.4–.20 37.88N 27.50E 5 2.7
ISCJB V 11 20 59 09.2–.59 37.88N–.03 27.51E–.05 3–10 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 11 20 59 35.9–.88 37.89N–.03 27.52E–.03 10 26 0-1
ISK V 11 20 59 35.9 37.89N 27.48E 14 2.6 **¶15055669**
DDA V 11 20 59 35.7 37.86N 27.52E 7 2.8
ISCJB V 11 20 59 35.8–.58 37.88N–.03 27.52E–.05 10 2.8
CSEM V 11 20 59 36.1–.18 37.88N 27.51E 8 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=149.6.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=71.0.
ISC V 11 22 00 53.1–.97 37.52N–.02 35.70E–.02 8–8 111 0-35
IDC V 11 22 00 49.4–1.8 37.73N 36.40E 0 3.0L,2.9 **¶13678775**
DDA V 11 22 00 51.8 37.52N 35.70E 29 3.4,2.9
ISK V 11 22 00 52.1 37.56N 35.68E 5 3.6,2.9
CSEM V 11 22 00 52.5–.13 37.54N 35.71E 2 3.6,2.9
ISCJB V 11 22 00 52.3–.47 37.54N–.02 35.69E–.02 4–4 2.9b,2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 12 02 02 06.6–1.6 37.60N–.09 35.65E–.05 13–10 10 0-1
DDA V 12 02 02 08.2 37.49N 35.72E 7 2.7 **¶15136540**
ISC Event type ke.
DDA Event type ke.
ISC V 12 03 06 19.8–1.1 37.90N–.02 37.71E–.02 6–11 48 0-3
ISK V 12 03 06 18.7 37.89N 37.70E 5 2.8 **¶13839562**
DDA V 12 03 06 19.4 37.89N 37.71E 13 2.8
CSEM V 12 03 06 19.4–.15 37.90N 37.71E 5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=151.0.
ISC V 12 07 11 41.9–1.2 37.90N–.02 29.09E–.04 1–18 34 0-1
ISK V 12 07 11 40.6 37.92N 29.11E 5 2.8 **¶13839568**
DDA V 12 07 11 41.8 37.88N 29.08E 7 2.8
CSEM V 12 07 11 41.5–.17 37.89N 29.09E 5 2.8
ISCJB V 12 07 11 41.7–.49 37.90N–.02 29.05E–.05 6–9 2.8
ISC Event type ke.

DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
DDA V 12 09 31 09.9 37.67N 38.13E 6 2.7
¶15136530

DDA Event type ke.
ISC V 12 10 20 18.4–1.0 37.78N–.02 36.23E–.02 6–9 48 0-2
ISK V 12 10 20 17.7 37.79N 36.26E 8 2.9 **¶13839576**
DDA V 12 10 20 18.2 37.77N 36.22E 7 3.1
CSEM V 12 10 20 18.3–.24 37.79N 36.23E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.8km az=27.0.
ISC V 12 11 29 54.3–1.1 39.99N–.02 33.53E–.02 7–10 49 1-2
ISK V 12 11 29 53.8 40.00N 33.51E 8 2.9 **¶13839580**
DDA V 12 11 29 54.3 39.97N 33.52E 7 2.8
CSEM V 12 11 29 54.2–.14 39.98N 33.53E 5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=122.0.
ISC V 12 12 13 53.4–1.1 36.12N–.03 29.31E–.03 44–8 96 0-9
ISCJB V 12 12 13 52.8–.34 36.07N–.03 29.32E–.04 53–8 **¶13839584**
ISK V 12 12 13 52.7 36.12N 29.29E 24 3.0
DDA V 12 12 13 53.2 36.23N 29.09E 32 2.8
ATH V 12 12 13 53.8 36.25N 29.16E 37–1 3.5
HLW V 12 12 13 54.6 35.97N 29.25E 33–30 3.0L,0.0
CSEM V 12 12 13 54.1–.13 36.12N 29.33E 40 3.5,0.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.7km az=36.9.
DDA Event type ke.
ATH Error ellipse: s-maj=3.7km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=81.0.
ISC V 12 12 21 26.6–1.1 37.13N–.03 29.78E–.02 5–9 54 0-2
ISK V 12 12 21 24.9 37.09N 29.75E 5 2.7 **¶13839585**
DDA V 12 12 21 26.0 37.19N 29.87E 7 2.7
CSEM V 12 12 21 26.0–.25 37.11N 29.76E 5 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=172.0.
ISC V 12 12 51 21.2–.93 40.29N–.02 39.61E–.03 11–8 43 0-2
ISK V 12 12 51 20.6 40.28N 39.62E 5 2.7 **¶13839588**
ISCJB V 12 12 51 21.0–.54 40.28N–.03 39.61E–.05 4–6 2.7
CSEM V 12 12 51 21.2–.16 40.28N 39.59E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=12.4.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=137.0.
DDA V 12 13 06 58.7 40.53N 35.01E 7 2.7
CSEM V 12 13 06 58.7 40.53N 35.01E 7 2.7 **¶15136520**
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC V 12 13 09 04.3–1.0 39.74N–.02 30.20E–.02 5–10 52 0-2
DDA V 12 13 09 03.5 39.73N 30.22E 6 2.7 **¶13839589**
ISCJB V 12 13 09 04.0–.47 39.72N–.03 30.20E–.03 3–6 2.7
ISK V 12 13 09 04.5 39.74N 30.12E 8 2.4
CSEM V 12 13 09 04.3–.13 39.73N 30.20E 5 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=157.8.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=177.0.
ISK V 12 13 47 00.0 39.11N 29.08E 7 2.5
CSEM V 12 13 47 00.5–.08 39.12N 29.06E 5 2.5 **¶15055675**
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=170.0.
ISC V 12 14 01 44.3–1.1 37.44N–.03 35.45E–.03 13–10 28 0-1
DDA V 12 14 01 42.5 37.44N 35.43E 5 2.9 **¶13839594**
ISK V 12 14 01 43.8 37.44N 35.43E 7 2.5
CSEM V 12 14 01 43.9–.26 37.43N 35.42E 8 2.5
ISCJB V 12 14 01 43.7–.78 37.41N–.04 35.41E–.04 2–7 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 12 15 07 17.8–.94 39.98N–.03 28.09E–.02 11–9 50 0-1
ISK V 12 15 07 17.3 39.97N 28.10E 10 2.8 **¶13839600**
DDA V 12 15 07 18.0 39.95N 28.04E 7 2.9
CSEM V 12 15 07 17.8–.09 39.97N 28.09E 12 2.8
ISCJB V 12 15 07 17.7–.44 39.98N–.03 28.08E–.03 7–5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 12 16 07 00.9–.89 38.57N–.03 28.68E–.03 6–8 36 0-2
ISK V 12 16 07 00.3 38.54N 28.75E 6 2.8 **¶13839602**
DDA V 12 16 07 00.5 38.58N 28.65E 7 2.8
CSEM V 12 16 07 00.8–.19 38.57N 28.68E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=48.0.
ISC V 12 16 13 02.6–1.0 37.76N–.03 29.20E–.03 6–9 43 0-2
ISK V 12 16 13 01.8 37.76N 29.20E 12 2.7 **¶13839603**
DDA V 12 16 13 03.0 37.76N 29.13E 10 2.9
CSEM V 12 16 13 02.4–.17 37.76N 29.18E 10 2.9
ISCJB V 12 16 13 02.4–.53 37.76N–.03 29.19E–.04 9–5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 12 16 58 01.3–.87 37.78N–.02 29.08E–.03 10–6 38 0-2
ISK V 12 16 58 01.1 37.78N 29.07E 9 2.8 **¶13839606**
DDA V 12 16 58 01.6 37.78N 29.10E 3 2.9
CSEM V 12 16 58 01.3–.15 37.78N 29.05E 8 2.8
ISCJB V 12 16 58 01.4–.47 37.79N–.03 29.08E–.05 6–5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
DDA V 12 17 47 51.2 37.90N 29.07E 7 2.5
¶15136516

DDA Event type ke.
ISC V 12 18 01 15.9–.84 39.27N–.02 26.73E–.02 10–5 78 0-3
ISK V 12 18 01 14.7 39.26N 26.71E 4 3.0 **¶13839607**
DDA V 12 18 01 15.6 39.29N 26.75E 10 2.8
CSEM V 12 18 01 15.9–.12 39.27N 26.73E 8 2.8
ISCJB V 12 18 01 15.8–.39 39.28N–.02 26.75E–.03 8–3 2.8
THE V 12 18 01 16.2 39.27N 26.74E 12–1 2.0L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=18.3.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=253.0.
ISC V 12 22 35 04.4–1.8 36.09N–.10 29.06E–.06 16 22 0-2
ISK V 12 22 35 01.6 35.99N 29.16E 20 2.3 **¶13839613**
ISCJB V 12 22 35 02.6–1.6 35.94N–.09 29.01E–.06 16 2.3
CSEM V 12 22 35 03.0–.98 35.99N 29.03E 15 2.8
DDA V 12 22 35 06.8 36.33N 29.07E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=7.3km az=5.2.
CSEM Event type ke. Error ellipse: s-maj=20.6km s-min=10.8km az=7.0.
DDA Event type ke.
DDA V 12 23 48 17.2 39.45N 42.11E 7 2.7
¶15136508

DDA Event type ke.

ISC V 13 01 01 23.3–1.0 37.10N–.03 28.53E–.03 13–9 26 0-1
ISK V 13 01 01 22.8 37.06N 28.55E 13 2.5 **¶13839619**
DDA V 13 01 01 23.1 37.05N 28.48E 7 2.5
CSEM V 13 01 01 23.6–.31 37.05N 28.53E 19–4 2.5
ISCJB V 13 01 01 24.3–.82 37.06N–.05 28.52E–.05 19–13 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 13 02 43 52.3–.87 37.90N–.02 29.01E–.03 14–7 49 0-2
ISK V 13 02 43 52.3 37.90N 28.91E 11 2.7 **¶13839623**
CSEM V 13 02 43 52.4–.19 37.90N 28.99E 10 2.7
DDA V 13 02 43 52.1 37.93N 29.07E 12 2.7
ISCJB V 13 02 43 52.2–.44 37.90N–.02 29.00E–.04 6–5 2.7
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC V 13 02 51 21.6–1.2 38.33N–.03 35.91E–.03 7–11 26 1-3
ISK V 13 02 51 18.0 37.89N 34.85E 8 2.9 **¶16374767**
CSEM V 13 02 51 21.4 38.37N 35.91E 7 2.9
DDA V 13 02 51 21.4 38.37N 35.91E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
DDA Event type ke.
ISC V 13 03 32 13.9–1.0 37.43N–.04 36.12E–.02 7–9 36 0-2
ISK V 13 03 32 12.6 37.44N 36.09E 21 2.6 **¶13839625**
DDA V 13 03 32 13.6 37.47N 36.09E 7 2.7
CSEM V 13 03 32 14.0–.25 37.44N 36.09E 2 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=175.0.
ISC V 13 04 24 12.4–1.3 39.95N–.04 40.01E–.03 11–14 23 0-1
ISK V 13 04 24 12.4 39.98N 40.04E 5 2.6 **¶13839627**
CSEM V 13 04 24 12.4–.42 39.93N 40.01E 2 2.8
DDA V 13 04 24 13.9 40.03N 39.99E 7 2.8
ISCJB V 13 04 24 13.1–.73 39.96N–.04 39.99E–.05 6–8 2.8
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC V 13 05 00 43.6–.87 40.73N–.02 29.12E–.02 9–7 72 0-2
DDA V 13 05 00 43.9 40.74N 29.13E 8 3.0 **¶13839629**
ISK V 13 05 00 43.0 40.72N 29.13E 11 2.9
CSEM V 13 05 00 43.6–.11 40.72N 29.13E 8 3.0
ISCJB V 13 05 00 43.5–.35 40.74N–.03 29.12E–.03 7–4 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 13 05 23 19.9–1.5 41.83N–.07 34.72E–.03 7–10 31 0-2
ISK V 13 05 23 18.9 41.82N 34.70E 9 2.7 **¶13839630**
CSEM V 13 05 23 19.6–.55 41.83N 34.72E 5 2.7
DDA V 13 05 23 20.5 41.85N 34.62E 8 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=4.9km az=177.0.
DDA Event type ke.
ISC V 13 09 28 08.7–1.1 39.11N–.03 42.06E–.03 11–10 36 0-2
ISK V 13 09 28 07.7 39.04N 42.05E 9 3.0 **¶13839633**
DDA V 13 09 28 09.0 39.12N 42.08E 25 2.8
CSEM V 13 09 28 08.5–.19 39.13N 42.06E 12 3.0
ISCJB V 13 09 28 08.5–.64 39.14N–.03 42.05E–.04 3–6 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 13 09 37 26.4–1.0 39.91N–.02 28.80E–.02 7–9 88 0-2
ISK V 13 09 37 25.4 39.89N 28.80E 10 2.9 **¶13839634**
ISCJB V 13 09 37 25.9–.41 39.94N–.02 28.80E–.03 3–4 2.9
DDA V 13 09 37 26.7 39.91N 28.85E 9 2.8
CSEM V 13 09 37 26.2–.11 39.92N 28.82E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=136.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=139.0.
ISC V 13 13 07 25.9–1.0 37.77N–.03 27.49E–.03 6–11 34 0-1
ISK V 13 13 07 24.9 37.77N 27.48E 6 2.8 **¶13839640**
CSEM V 13 13 07 25.5–.20 37.76N 27.43E 10 2.8
ISCJB V 13 13 07 25.5–.61 37.77N–.04 27.47E–.05 2–9 2.8
DDA V 13 13 07 26.1 37.74N 27.46E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=34.2.
DDA Event type ke.
ISK V 13 15 32 31.2 40.76N 39.02E 9 2.8
CSEM V 13 15 32 31.2 40.76N 39.02E 9 2.8 **¶13839648**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC V 13 17 03 31.8–.87 37.53N–.03 35.71E–.02 16–5 44 0-2
ISK V 13 17 03 31.5 37.55N 35.70E 10 2.9 **¶13839649**
CSEM V 13 17 03 31.6–.19 37.54N 35.69E 15 2.9
ISCJB V 13 17 03 31.7–.54 37.55N–.03 35.70E–.03 11–4 2.9
DDA V 13 17 03 32.2 37.56N 35.58E 29 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=4.0km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=0.9.
DDA Event type ke.
ISC V 13 18 56 15.3–.91 39.81N–.02 30.45E–.02 5–8 95 0-2
ISK V 13 18 56 15.1 39.81N 30.44E 5 3.0 **¶13839655**
CSEM V 13 18 56 15.4–.08 39.80N 30.44E 2 2.9
DDA V 13 18 56 16.0 39.88N 30.40E 1 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=41.0.
DDA Event type ke.
ISC V 13 20 58 14.8–1.0 37.33N–.03 37.05E–.03 8–8 35 0-2
ISK V 13 20 58 13.3 37.37N 37.12E 5 2.8 **¶13839657**
DDA V 13 20 58 13.9 37.33N 37.04E 5 2.9
CSEM V 13 20 58 14.9–.28 37.34N 37.07E 10 2.9
ISCJB V 13 20 58 14.6–.65 37.35N–.03 37.10E–.04 2–8 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 13 21 01 05.3–.83 37.29N–.02 37.08E–.02 12–6 70 0-3
ISK V 13 21 01 04.9 37.31N 37.05E 9 3.0 **¶13839658**
CSEM V 13 21 01 05.8–.21 37.31N 37.08E 10 3.0
DDA V 13 21 01 05.5 37.31N 37.06E 6 3.1
ISCJB V 13 21 01 05.6–.47 37.31N–.02 37.08E–.03 7–4 3.1
NSSC V 13 21 01 10.3–2.4 37.07N 37.23E 28–9 2.4L,1.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.4km az=111.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=176.9.
NSSC Error ellipse: s-maj=13.1km s-min=7.1km az=-1.0.
ISC V 13 21 06 09.0–1.0 37.08N–.03 36.15E–.03 17–10 32 0-2
ISK V 13 21 06 08.9 37.08N 36.13E 5 2.7 **¶13839659**
CSEM V 13 21 06 09.9–.14 37.05N 36.14E 5 2.7
DDA V 13 21 06 15.3 36.82N 36.33E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=14.0.
DDA Event type ke.
ISC V 13 21 37 51.7–1.4 37.10N–.03 37.41E–.02 5–11 42 0-2

ISCJB V 13 21 37 51.7–.85 37.07N–.04 37.43E–.04 3–7 ¶13839661
ISK V 13 21 37 51.2 37.09N 37.40E 3 2.9
DDA V 13 21 37 51.0 37.04N 37.48E 7 2.8
CSEM V 13 21 37 51.6–.22 37.08N 37.44E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.4km az=161.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=156.0.
ISC V 14 01 06 22.0–.95 39.26N–.02 27.45E–.02 14–9 76 0-2
ISCJB V 14 01 06 21.6–.48 39.26N–.02 27.44E–.03 6–4 ¶13839666
ISK V 14 01 06 21.3 39.26N 27.45E 6 2.9
DDA V 14 01 06 21.6 39.26N 27.49E 7 2.9
CSEM V 14 01 06 22.0–.10 39.26N 27.46E 10 2.9
ATH V 14 01 06 24.7 39.32N 27.26E 43–2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.7km az=19.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=37.0.
ATH Error ellipse: s-maj=0.3km s-min=1.1km az=-1.0.
ISC V 14 01 25 28.4–.00 37.60N–.04 36.08E–.04 15 18 0-1
ISCJB V 14 01 25 27.7–.77 37.61N–.06 36.13E–.06 15 ¶13839668
DDA V 14 01 25 27.9 37.93N 36.52E 1 2.7
CSEM V 14 01 25 27.2–.73 37.74N 36.07E 2 2.7
ISK V 14 01 25 28.3 37.68N 35.84E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.1km az=23.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=25.1km s-min=17.2km az=107.0.
DDA V 14 03 27 45.0 38.17N 28.77E 7 2.6
¶15136602
DDA Event type ke.
ISC V 14 05 54 12.9–.98 39.12N–.03 29.06E–.02 11–9 50 0-2
ISCJB V 14 05 54 13.0–.58 39.13N–.03 29.05E–.03 9–5 ¶13839672
ISK V 14 05 54 12.9 39.23N 28.99E 4 2.8
DDA V 14 05 54 12.9 39.10N 29.02E 7 2.8
CSEM V 14 05 54 13.4–.20 39.14N 29.04E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=168.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=4.0.
ISC V 14 08 01 34.4–.98 39.31N–.02 27.97E–.02 9–10 70 0-2
ISK V 14 08 01 33.8 39.30N 27.97E 5 2.7 ¶13839677
DDA V 14 08 01 33.8 39.30N 27.96E 7 3.0
ISCJB V 14 08 01 34.2–.45 39.29N–.02 27.95E–.03 1–5 3.0
CSEM V 14 08 01 34.6–.11 39.29N 27.98E 2 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=20.3.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=68.0.
ISC V 14 08 16 31.6–.94 39.41N–.02 26.16E–.02 18–4 79 0-3
ISK V 14 08 16 29.9 39.39N 26.02E 9 3.1 ¶13839678
ISCJB V 14 08 16 31.0–.72 39.41N–.02 26.11E–.04 9–5 3.1
CSEM V 14 08 16 31.5–.13 39.42N 26.14E 10 3.0
DDA V 14 08 16 31.7 39.42N 26.14E 16 2.9
ATH V 14 08 16 31.0 39.42N 26.21E 20–1 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=156.9.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=83.0.
DDA Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.4km az=-1.0.
ISC V 14 08 25 21.0–1.0 37.87N–.02 27.59E–.02 5–9 82 0-3
ATH V 14 08 25 18.5 37.95N 27.84E 12–4 3.3 ¶13839679
ISCJB V 14 08 25 20.7–.48 37.86N–.02 27.58E–.03 1–5 3.3
ISK V 14 08 25 20.6 37.85N 27.52E 5 3.1
DDA V 14 08 25 20.5 37.86N 27.56E 7 3.0
CSEM V 14 08 25 21.2–.13 37.85N 27.57E 2 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=3.2km s-min=4.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=151.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=74.0.
ISC V 14 10 30 52.8–.90 37.84N–.02 27.56E–.02 12–8 81 0-3
ISK V 14 10 30 51.8 37.85N 27.55E 5 2.9 ¶13839680
DDA V 14 10 30 52.6 37.87N 27.55E 17 2.9
CSEM V 14 10 30 53.1–.14 37.86N 27.58E 5 2.9
ATH V 14 10 30 54.6 37.85N 27.50E 13–1 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=60.0.
ATH Error ellipse: s-maj=1.2km s-min=1.9km az=-1.0.
DDA V 14 11 13 43.7 39.67N 29.49E 7 2.5
CSEM V 14 11 13 43.7 39.67N 29.49E 7 2.5 ¶15136589
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC V 14 12 05 39.2–.99 39.47N–.03 28.08E–.03 13–9 54 0-2
ISK V 14 12 05 37.6 39.39N 28.06E 9 2.6 ¶13839683
ISCJB V 14 12 05 38.6–.75 39.47N–.04 28.05E–.04 4–6 2.6
CSEM V 14 12 05 38.9–.20 39.46N 28.07E 10 2.6
DDA V 14 12 05 40.0 39.47N 28.14E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.3km az=41.8.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.4km az=42.0.
DDA Event type ke.
ISC V 14 12 18 12.9–1.2 39.92N–.06 34.01E–.03 7–14 21 0-2
ISK V 14 12 18 12.1 39.92N 34.02E 4 2.7 ¶13839684
DDA V 14 12 18 12.9 39.99N 33.99E 7 2.9
CSEM V 14 12 18 13.4–.25 39.92N 34.04E 20 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.8km az=153.0.
ISC V 14 12 27 53.9–1.2 39.60N–.03 32.82E–.03 1–14 23 0-2
ISK V 14 12 27 52.7 39.58N 32.77E 5 2.5 ¶13839685
CSEM V 14 12 27 52.8–.33 39.57N 32.78E 8 2.9
DDA V 14 12 27 54.6 39.59N 32.94E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=6.2km az=27.0.
DDA Event type ke.
ISC V 14 15 06 07.9–1.0 39.65N–.02 38.36E–.03 8–9 57 0-3
ISK V 14 15 06 06.4 39.62N 38.33E 5 3.1 ¶13839689
ISCJB V 14 15 06 07.7–.61 39.66N–.02 38.36E–.04 5–5 3.1
CSEM V 14 15 06 07.7–.16 39.65N 38.38E 5 3.1
DDA V 14 15 06 07.3 39.65N 38.40E 17 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=170.6.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=89.0.
DDA Event type ke.
ISC V 14 15 16 00.5–1.0 37.98N–.02 27.49E–.02 5–10 109 0-3
DDA V 14 15 15 59.8 37.98N 27.49E 18 3.1 ¶13839690
ISK V 14 15 15 59.5 37.96N 27.40E 5 3.2
CSEM V 14 15 16 00.9–.17 37.96N 27.46E 2 3.1
ATH V 14 15 16 00.9 38.00N 27.50E 5–3 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=55.0.
ATH Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0.
ISK V 14 17 53 31.5 37.81N 29.04E 16 2.9
CSEM V 14 17 53 31.9–.17 37.78N 29.05E 15 2.9 ¶13839691
DDA V 14 17 53 32.8 37.76N 29.13E 7 2.9
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.2km az=95.0.
DDA Event type ke.
ISC V 14 18 15 13.9–1.3 38.18N–.07 42.92E–.05 10 9 1-2
ISCJB V 14 18 15 13.6–1.0 38.28N–.07 42.87E–.07 10 ¶15136577
DDA V 14 18 15 16.1 38.10N 42.89E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=7.1km az=162.1.
DDA Event type ke.
ISC V 14 21 26 05.5–1.3 36.97N–.04 35.10E–.07 14–12 30 0-2
CSEM V 14 21 26 04.1–.62 36.95N 34.98E 10 2.8 ¶13839693
DDA V 14 21 26 06.4 36.93N 35.21E 7 2.8
ISK V 14 21 26 07.4 37.09N 35.10E 8 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.5km s-min=13.1km az=173.0.
DDA Event type ke.
ISC V 15 00 22 27.5–.92 39.11N–.03 29.05E–.02 11–8 52 0-2
ISK V 15 00 22 26.7 39.10N 29.04E 7 2.7 ¶13839700
ISCJB V 15 00 22 27.1–.43 39.10N–.03 29.05E–.03 4–6 2.7
DDA V 15 00 22 27.2 39.09N 29.05E 7 2.8
CSEM V 15 00 22 27.3–.08 39.10N 29.05E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=13.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=35.0.
ISC V 15 03 28 27.8–.98 39.27N–.02 27.82E–.02 8–8 165 0-3
ISK V 15 03 28 26.2 39.27N 27.82E 5 3.2 ¶13839702
DDA V 15 03 28 27.0 39.27N 27.88E 7 3.3L
ISCJB V 15 03 28 27.4–.41 39.28N–.02 27.81E–.02 4–3 3.3L
CSEM V 15 03 28 27.5–.10 39.27N 27.81E 2 3.2
THE V 15 03 28 28.4 39.20N 27.82E 3–1 2.8L
ATH V 15 03 28 30.5 39.31N 27.60E 25–2 3.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=32.1.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=105.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=112.0.
ATH Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0.
ISC V 15 04 50 48.1–1.1 37.85N–.02 27.53E–.02 3–9 136 0-41
ISK V 15 04 50 46.6 37.82N 27.53E 5 3.3L ¶13678973
ATH V 15 04 50 46.1 37.89N 27.68E 8–2 3.6
DDA V 15 04 50 47.5 37.85N 27.55E 14 3.6
CSEM V 15 04 50 48.4–.13 37.82N 27.53E 2 3.6
IDC V 15 04 50 48.5–1.4 37.48N 27.67E 0 3.5,3.5L
THE V 15 04 50 49.7 37.94N 27.51E 10–2 3.2L,3.5L
ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=70.0.
IDC Error ellipse: s-maj=32.1km s-min=22.1km az=161.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.7km az=88.0.
ISC V 15 06 28 25.3–.93 39.13N–.03 29.05E–.02 14–9 38 0-1
ISK V 15 06 28 24.9 39.16N 29.04E 5 2.6 ¶13839708
ISCJB V 15 06 28 25.3–.51 39.11N–.03 29.06E–.03 9–5 2.6
DDA V 15 06 28 25.3 39.10N 29.07E 7 2.7
CSEM V 15 06 28 25.4–.10 39.12N 29.05E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=153.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=130.0.
ISC V 15 06 59 11.2–1.1 38.60N–.02 37.99E–.04 6–10 35 0-2
ISK V 15 06 59 10.3 38.61N 37.93E 3 2.8 ¶13839709
ISCJB V 15 06 59 11.4–.64 38.58N–.04 37.93E–.04 7–7 2.8
DDA V 15 06 59 11.6 38.56N 37.95E 7 2.8
CSEM V 15 06 59 11.4–.32 38.58N 37.94E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.0km az=9.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=6.5km az=80.0.
ISC V 15 07 06 43.5–1.0 38.57N–.02 37.95E–.02 6–10 62 0-3
ISK V 15 07 06 42.2 38.55N 37.94E 3 3.1 ¶13839710
DDA V 15 07 06 43.6 38.58N 37.91E 13 2.9
CSEM V 15 07 06 43.2–.23 38.55N 37.95E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=134.0.
ISC V 15 08 04 51.7–1.3 39.87N–.03 35.19E–.05 8–10 19 0-1
DDA V 15 08 04 50.4 39.87N 35.23E 7 2.9 ¶15136628
CSEM V 15 08 04 50.4 39.87N 35.23E 7 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC V 15 09 06 05.2–1.1 39.51N–.02 26.06E–.03 13–9 88 0-2
DDA V 15 09 06 05.2 39.48N 26.08E 7 3.0 ¶13839711
ISCJB V 15 09 06 05.8–.44 39.53N–.02 26.06E–.04 9–3 3.0
ATH V 15 09 06 05.9 39.52N 26.09E 21–1 2.8
CSEM V 15 09 06 06.0–.18 39.51N 26.05E 10 3.0
THE V 15 09 06 07.1 39.47N 26.05E 13–1 2.3L
ISK V 15 09 06 08.1 39.63N 26.21E 10 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=1.1.
ATH Error ellipse: s-maj=0.8km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=189.0.
ISC V 15 16 20 26.9–.86 38.26N–.02 27.20E–.03 16–6 52 0-2
ISK V 15 16 20 26.6 38.24N 27.20E 7 2.8 ¶13839724
ISCJB V 15 16 20 27.0–.46 38.26N–.02 27.22E–.04 11–4 2.8
DDA V 15 16 20 27.2 38.26N 27.21E 7 2.8
CSEM V 15 16 20 27.3–.13 38.26N 27.22E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=172.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=85.0.
ISC V 15 18 25 31.4–.90 37.24N–.03 28.57E–.03 17–8 34 0-1
ISK V 15 18 25 29.4 37.30N 28.65E 6 2.5 ¶13839728
DDA V 15 18 25 31.2 37.20N 28.56E 7 2.7
ISCJB V 15 18 25 32.2–.53 37.18N–.03 28.54E–.04 20–10 2.7
CSEM V 15 18 25 32.1–.20 37.16N 28.53E 20 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=25.4.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=36.0.
ISC V 15 20 39 20.4–1.0 36.27N–.03 35.89E–.04 16–8 33 0-2
CSEM V 15 20 39 20.2–.28 36.28N 35.84E 2 2.7 ¶13928546
ISCJB V 15 20 39 21.1–.90 36.27N–.03 35.91E–.05 8–5 2.7
DDA V 15 20 39 21.6 36.26N 35.98E 7 2.7
NSSC V 15 20 39 22.6–.84 36.29N 36.01E 15–3 2.1L,1.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.7km az=175.9.
DDA Event type ke.
NSSC Error ellipse: s-maj=2.7km s-min=6.5km az=-1.0.
ISC V 15 22 30 14.1–1.1 37.72N–.03 36.21E–.02 6–8 64 0-3
ISCJB V 15 22 30 13.7–.60 37.76N–.03 36.24E–.03 3–5 ¶13839733
ISK V 15 22 30 13.9 37.73N 36.24E 15 3.0
CSEM V 15 22 30 13.3–.20 37.78N 36.22E 2 2.9
DDA V 15 22 30 14.6 37.68N 36.25E 3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=10.8.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=163.0.
DDA Event type ke.
ISC V 16 01 35 16.7–2.5 39.64N–.08 32.7E–.20 19–4 24 0-2
ISCJB V 16 01 35 16.7–1.9 39.61N–.06 32.7E–.10 13–5 ¶13839737
ISK V 16 01 35 17.2 39.64N 32.75E 8 2.3

CSEM V 16 01 35 17.0–.82 39.64N 32.75E 15 2.3
DDA V 16 01 35 18.5 39.74N 32.95E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=5.7km az=151.6.
CSEM Event type ke. Error ellipse: s-maj=19.4km s-min=6.4km az=63.0.
DDA Event type ke.
ISC V 16 01 59 31.0–.87 39.07N–.02 27.98E–.03 14–8 68 0-2
ISCJB V 16 01 59 30.8–.41 39.07N–.03 27.99E–.03 6–5 ¶13839738
ISK V 16 01 59 30.4 39.07N 28.01E 5 2.7
DDA V 16 01 59 30.5 39.07N 27.96E 7 2.7
CSEM V 16 01 59 31.0–.11 39.07N 27.98E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=135.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=74.0.
ISC V 16 02 12 50.1–1.0 38.57N–.02 37.94E–.02 7–9 70 0-3
ISK V 16 02 12 48.5 38.56N 37.93E 5 3.2 ¶13839739
ISCJB V 16 02 12 49.7–.59 38.60N–.02 37.93E–.03 1–5 3.2
DDA V 16 02 12 49.7 38.59N 37.91E 12 3.0
CSEM V 16 02 12 50.1–.16 38.58N 37.95E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.2km az=135.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.2km az=119.0.
ISC V 16 04 50 32.6–1.0 40.05N–.03 28.33E–.03 10–11 32 0-1
ISK V 16 04 50 32.0 40.05N 28.31E 7 2.6 ¶13839742
CSEM V 16 04 50 32.6–.16 40.07N 28.32E 15 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=42.0.
ISC V 16 07 25 49.3–1.1 37.27N–.05 28.21E–.04 10–9 22 0-1
ISCJB V 16 07 25 48.9–1.1 37.27N–.05 28.23E–.06 12–14 ¶13839746
ISK V 16 07 25 49.1 37.26N 28.21E 5 2.5
DDA V 16 07 25 49.6 37.19N 28.15E 7 2.8
CSEM V 16 07 25 49.6–.22 37.25N 28.22E 10 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.3km az=40.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.1km az=37.0.
ISC V 16 09 59 10.0–.85 39.05N–.02 30.07E–.02 6–5 55 0-2
ISCJB V 16 09 59 09.9–.44 39.03N–.03 30.09E–.03 6–4 ¶13839755
ISK V 16 09 59 09.7 39.02N 30.07E 6 2.8
DDA V 16 09 59 09.3 39.03N 30.09E 7 2.8
CSEM V 16 09 59 10.0–.10 39.03N 30.08E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=137.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=133.0.
ISC V 16 10 27 09.8–1.1 36.81N–.03 29.17E–.03 1–11 34 0-2
DDA V 16 10 27 09.0 36.77N 29.14E 7 2.9 ¶13839757
ISK V 16 10 27 09.0 36.80N 29.13E 4 2.4
CSEM V 16 10 27 09.7–.20 36.79N 29.15E 5 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=141.0.
ISC V 16 16 06 34.8–1.3 39.81N–.04 41.53E–.03 14–10 30 0-2
ISCJB V 16 16 06 34.9–.67 39.78N–.04 41.50E–.05 23–4 ¶13839766
ISK V 16 16 06 34.8 39.95N 41.08E 3 2.7
CSEM V 16 16 06 34.4–.41 39.77N 41.49E 18–2 2.7
DDA V 16 16 06 35.1 39.78N 41.60E 13 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.4km az=0.4.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=8.4km az=10.0.
DDA Event type ke.
ISC V 16 16 13 39.4–1.1 37.44N–.03 35.46E–.03 12–11 35 0-1
DDA V 16 16 13 38.6 37.45N 35.47E 8 2.9 ¶13839768
ISCJB V 16 16 13 39.8–.58 37.44N–.03 35.43E–.04 11–5 2.9
CSEM V 16 16 13 39.9–.22 37.43N 35.43E 15 2.6
ISK V 16 16 13 39.6 37.46N 35.47E 20 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.0km az=28.2.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.7km az=42.0.
ISC V 16 16 51 07.6–.82 36.17N–.02 35.97E–.02 15–6 84 0-4
DDA V 16 16 51 06.4 36.19N 35.93E 22 3.2 ¶13839770
ISCJB V 16 16 51 07.9–.38 36.20N–.02 35.97E–.03 11–3 3.2
ISK V 16 16 51 07.9 36.28N 36.05E 7 3.2
NSSC V 16 16 51 07.4–1.6 36.19N 35.93E 9–4 2.7L,1.0
CSEM V 16 16 51 07.7–.15 36.17N 35.96E 12 3.2,1.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=165.8.
NSSC Error ellipse: s-maj=4.0km s-min=7.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=37.0.
ISC V 16 17 45 13.5–.83 39.24N–.03 26.39E–.02 13–5 36 0-2
DDA V 16 17 45 12.8 39.24N 26.39E 7 2.6 ¶14302032
ISCJB V 16 17 45 13.5–.49 39.26N–.03 26.38E–.04 12–4 2.6
CSEM V 16 17 45 13.3–.13 39.25N 26.40E 10 1.8L
THE V 16 17 45 14.6 39.23N 26.34E 8–0 1.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.6km az=159.9.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=152.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=275.0.
ISK V 16 19 44 05.0 40.68N 30.48E 14 2.6
CSEM V 16 19 44 05.0 40.68N 30.48E 14 2.6 ¶13839776
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC V 16 21 47 57.8–.93 39.20N–.02 38.82E–.03 15–8 42 0-2
ISCJB V 16 21 47 57.9–.46 39.19N–.02 38.80E–.04 10–5 ¶13839781
ISK V 16 21 47 57.2 39.23N 38.80E 25 2.9
CSEM V 16 21 47 57.9–.17 39.19N 38.79E 15 2.9
DDA V 16 21 47 58.6 39.17N 38.75E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=172.4.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=85.0.
DDA Event type ke.
ISC V 17 00 22 55.6–1.1 39.05N–.03 29.74E–.03 10–9 24 0-2
DDA V 17 00 22 54.9 39.08N 29.73E 7 2.6 ¶15136685
CSEM V 17 00 22 54.9 39.08N 29.73E 7 2.6
ISCJB V 17 00 22 55.5–.61 39.07N–.04 29.74E–.04 9–6 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. After DDA.
ISCJB Event type ke.
DDA V 17 02 13 21.4 37.88N 29.24E 2 2.4
CSEM V 17 02 13 21.4 37.88N 29.24E 2 2.4 ¶15136681
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC V 17 02 59 57.4–.99 37.49N–.04 35.59E–.04 23–9 21 0-1
ISCJB V 17 02 59 57.8–.81 37.50N–.05 35.60E–.06 22–11 ¶13839793
ISK V 17 02 59 57.2 37.56N 35.57E 15 2.5
CSEM V 17 02 59 57.6–.26 37.53N 35.58E 20 2.5
DDA V 17 02 59 59.3 37.36N 35.53E 7 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=7.0km az=44.3.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.6km az=34.0.
DDA Event type ke.
ISC V 17 06 26 55.8–.94 38.11N–.03 37.98E–.03 18–8 29 0-1
CSEM V 17 06 26 54.6–.51 38.28N 37.82E 10 3.0 ¶13839800
ISCJB V 17 06 26 55.6–.79 38.08N–.05 38.00E–.05 7–8 3.0
DDA V 17 06 26 55.5 38.07N 38.02E 7 3.0
ISK V 17 06 26 55.0 38.10N 37.96E 9 2.7

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.5km s-min=10.3km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.8km az=147.4.
DDA Event type ke.
ISC V 17 08 11 47.4–1.2 36.99N–.02 29.29E–.02 0–11 59 0-3
ISK V 17 08 11 46.6 36.98N 29.27E 7 2.8 ¶13839802
ISCJB V 17 08 11 47.2–.46 36.95N–.03 29.28E–.03 5–5 2.8
DDA V 17 08 11 47.1 36.96N 29.28E 7 3.1
CSEM V 17 08 11 47.3–.16 36.95N 29.29E 8 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.4km az=157.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=49.0.
ISC V 17 09 49 44.3–1.1 39.05N–.02 29.77E–.02 2–10 138 0-4
ISK V 17 09 49 43.8 39.06N 29.76E 4 3.1 ¶13839805
DDA V 17 09 49 44.0 39.06N 29.77E 11 3.3
CSEM V 17 09 49 44.3–.10 39.05N 29.78E 2 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=112.0.
ISC V 17 10 00 52.1–.86 39.05N–.03 29.75E–.02 14–7 45 0-2
ISK V 17 10 00 51.6 39.07N 29.74E 8 2.6 ¶13839806
ISCJB V 17 10 00 52.0–.52 39.04N–.03 29.77E–.03 4–5 2.6
DDA V 17 10 00 52.2 39.03N 29.77E 7 2.9
CSEM V 17 10 00 52.2–.09 39.05N 29.76E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=166.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=152.0.
ISC V 17 10 17 47.5–.95 39.07N–.02 29.77E–.02 8–8 100 0-3
ISK V 17 10 17 46.9 39.07N 29.75E 5 3.2 ¶13839808
DDA V 17 10 17 46.9 39.06N 29.75E 7 3.2
CSEM V 17 10 17 47.3–.10 39.07N 29.77E 2 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=9.0.
ISC V 17 10 27 31.8–.88 39.16N–.02 26.80E–.02 13–7 51 0-2
ISK V 17 10 27 30.8 39.19N 26.78E 12 2.9 ¶13839809
ISCJB V 17 10 27 31.6–.47 39.18N–.02 26.86E–.04 10–4 2.9
DDA V 17 10 27 31.6 39.15N 26.85E 7 2.8
CSEM V 17 10 27 31.6–.15 39.18N 26.82E 12 2.8
THE V 17 10 27 32.6 39.14N 26.78E 15–4 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=150.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=117.0.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=0.6km az=7.0.
ISC V 17 16 20 18.2–1.1 37.58N–.04 35.55E–.03 12–11 28 0-1
ISK V 17 16 20 17.8 37.62N 35.54E 15 2.5 ¶13839813
DDA V 17 16 20 17.7 37.58N 35.55E 9 2.8
CSEM V 17 16 20 18.2–.19 37.61N 35.53E 10 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=18.0.
ISC V 17 18 14 13.5–.91 37.60N–.04 36.39E–.03 6–6 24 0-1
CSEM V 17 18 14 10.6–.86 37.88N 36.47E 2 2.9 ¶13839816
DDA V 17 18 14 13.2 37.55N 36.39E 6 2.9
ISK V 17 18 14 13.8 37.54N 36.46E 14 2.4
ISCJB V 17 18 14 14.5–.54 37.55N–.04 36.41E–.03 15–19 2.4
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC V 17 18 41 45.0–1.0 37.51N–.07 36.07E–.04 12–8 19 0-1
ISK V 17 18 41 43.7 37.44N 36.12E 25 2.4 ¶13839818
ISCJB V 17 18 41 45.0–1.2 37.57N–.07 36.08E–.05 21–13 2.4
CSEM V 17 18 41 45.3–.52 37.49N 36.11E 8 2.4
DDA V 17 18 41 45.2 37.51N 36.09E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=7.1km az=172.1.
CSEM Event type ke. Error ellipse: s-maj=17.4km s-min=9.4km az=177.0.
DDA Event type ke.
ISC V 17 18 50 38.2–.92 39.12N–.02 29.07E–.02 10–8 74 0-2
ISCJB V 17 18 50 37.8–.41 39.12N–.03 29.08E–.03 4–5 ¶13839819
ISK V 17 18 50 37.8 39.13N 29.10E 8 3.0
DDA V 17 18 50 38.7 39.09N 29.11E 7 3.1
CSEM V 17 18 50 38.1–.09 39.12N 29.09E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=168.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=159.0.
ISC V 17 19 14 56.6–.95 39.12N–.03 29.07E–.03 13–11 40 0-2
ISK V 17 19 14 55.7 39.12N 29.06E 7 2.7 ¶13839821
ISCJB V 17 19 14 56.2–.54 39.11N–.03 29.07E–.04 8–6 2.7
DDA V 17 19 14 56.4 39.10N 29.07E 7 2.9
CSEM V 17 19 14 56.5–.06 39.11N 29.09E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=9.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=93.0.
ISC V 17 22 03 45.8–.92 39.12N–.02 29.06E–.02 12–10 66 0-2
ISCJB V 17 22 03 45.4–.39 39.12N–.03 29.07E–.03 5–5 ¶13839825
ISK V 17 22 03 45.1 39.12N 29.07E 6 2.7
DDA V 17 22 03 45.2 39.12N 29.06E 7 3.2
CSEM V 17 22 03 45.8–.09 39.11N 29.06E 8 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=20.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=46.0.
ISC V 17 22 10 58.7–1.0 39.95N–.02 39.59E–.04 10–12 29 0-2
ISK V 17 22 10 57.5 39.96N 39.62E 14 2.7 ¶13839826
ISCJB V 17 22 10 58.6–.64 39.95N–.03 39.57E–.07 4–9 2.7
DDA V 17 22 10 59.5 40.01N 39.58E 7 2.9
CSEM V 17 22 10 59.0–.33 39.98N 39.55E 20 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.4km az=168.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=4.2km az=102.0.
ISC V 17 22 26 38.0–3.2 37.7N–.30 36.09E–.06 15 14 0-1
ISCJB V 17 22 26 38.9–.80 37.50N–.10 36.10E–.04 15 ¶13839827
ISK V 17 22 26 38.4 37.43N 36.13E 5 2.4
CSEM V 17 22 26 38.3–.32 37.64N 36.09E 12 2.8
DDA V 17 22 26 43.2 37.60N 36.39E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=4.9km az=177.2.
CSEM Event type ke. Error ellipse: s-maj=14.2km s-min=2.0km az=166.0.
DDA Event type ke.
ISC V 17 23 50 25.8–1.0 37.87N–.02 27.53E–.03 7–10 39 0-2
ISCJB V 17 23 50 25.7–.59 37.88N–.03 27.53E–.05 2–8 ¶13839831
ISK V 17 23 50 25.7 37.89N 27.54E 8 2.6
DDA V 17 23 50 25.7 37.86N 27.54E 9 3.0
CSEM V 17 23 50 26.4–.21 37.86N 27.55E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=148.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=83.0.
ISC V 18 01 03 02.8–1.0 37.81N–.03 27.50E–.03 9–10 24 0-2
ISK V 18 01 03 01.9 37.75N 27.15E 5 2.5 ¶13839835
DDA V 18 01 03 02.0 37.85N 27.53E 7 2.6
CSEM V 18 01 03 03.2–.43 37.81N 27.44E 2 2.6
ISC Event type ke.

DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.5km s-min=8.3km az=55.0.
ISC V 18 01 44 55.9–.95 39.07N–.02 27.32E–.02 14–9 67 0-2
ISK V 18 01 44 54.7 39.09N 27.26E 6 2.8 ¶13839836
ISCJB V 18 01 44 55.4–.44 39.08N–.02 27.30E–.03 8–4 2.8
DDA V 18 01 44 55.1 39.07N 27.33E 7 2.8
CSEM V 18 01 44 55.7–.08 39.07N 27.32E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=10.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=100.0.
ISC V 18 01 53 37.0–1.0 40.70N–.02 35.28E–.02 9–11 57 0-2
ISK V 18 01 53 36.5 40.72N 35.28E 5 2.9 ¶13839837
DDA V 18 01 53 36.4 40.70N 35.27E 19 3.2
CSEM V 18 01 53 36.9–.15 40.71N 35.29E 2 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=147.0.
ISC V 18 02 01 30.6–1.1 39.84N–.03 26.15E–.04 10–7 32 0-2
ISCJB V 18 02 01 30.8–.69 39.85N–.04 26.18E–.05 4–6 ¶13839838
DDA V 18 02 01 30.2 39.85N 26.17E 7 2.8
ISK V 18 02 01 32.1 39.93N 26.32E 2 2.5
CSEM V 18 02 01 32.2–.45 39.86N 26.29E 5 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.6km az=143.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=5.1km az=72.0.
ISC V 18 07 40 25.6–1.1 39.22N–.04 41.71E–.03 12–9 23 0-2
ISK V 18 07 40 25.3 39.23N 41.69E 17 2.8 ¶13839843
CSEM V 18 07 40 25.5–.74 39.15N 41.63E 20 2.8
DDA V 18 07 40 26.9 39.25N 41.74E 22 3.1
ISCJB V 18 07 40 27.0–.67 39.21N–.05 41.64E–.05 18–8 3.1
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC V 18 09 25 47.2–.94 37.46N–.04 38.60E–.02 8–8 38 0-2
ISK V 18 09 25 45.6 37.45N 38.96E 22 2.8 ¶13839846
DDA V 18 09 25 46.8 37.43N 38.61E 7 2.9
ISCJB V 18 09 25 47.4–.66 37.43N–.04 38.61E–.03 7–5 2.9
CSEM V 18 09 25 47.3–.36 37.44N 38.61E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=166.7.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=6.0km az=165.0.
ISC V 18 10 20 06.0–1.1 39.83N–.04 41.98E–.03 11–9 22 0-2
DDA V 18 10 20 05.6 39.83N 41.92E 7 2.9 ¶15136696
CSEM V 18 10 20 05.6 39.83N 41.92E 7 2.9
ISCJB V 18 10 20 06.5–.86 39.83N–.04 42.00E–.05 9–6 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. After DDA.
ISCJB Event type ke.
ISC V 18 11 34 39.1–.90 37.56N–.03 35.99E–.02 12–6 33 0-2
ISK V 18 11 34 38.5 37.60N 35.98E 8 2.6 ¶13839849
DDA V 18 11 34 38.3 37.58N 35.97E 7 3.0
ISCJB V 18 11 34 39.3–.64 37.57N–.03 35.99E–.03 2–7 3.0
CSEM V 18 11 34 39.5–.31 37.55N 35.98E 2 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=162.7.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.7km az=161.0.
ISC V 18 12 40 11.6–1.0 40.40N–.04 39.76E–.03 11–10 21 0-2
DDA V 18 12 40 10.9 40.38N 39.77E 7 2.8 ¶13839851
ISCJB V 18 12 40 11.5–.57 40.38N–.06 39.76E–.04 6–8 2.8
ISK V 18 12 40 11.1 40.41N 39.76E 8 2.5
CSEM V 18 12 40 11.3–.07 40.40N 39.76E 12 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.8km az=6.4.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=14.0.
ISC V 18 13 03 17.7–.94 39.82N–.03 40.57E–.04 11 27 0-2
ISCJB V 18 13 03 17.6–.62 39.74N–.04 40.55E–.06 11 ¶13839852
ISK V 18 13 03 17.8 39.76N 40.53E 10 2.7
CSEM V 18 13 03 17.9–.27 39.70N 40.49E 2 2.7
DDA V 18 13 03 19.2 40.01N 40.57E 4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.1km az=144.9.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.5km az=18.0.
DDA Event type ke.
ISC V 18 13 38 21.7–1.4 37.37N–.05 28.36E–.05 11–11 25 0-1
ISK V 18 13 38 21.0 37.44N 28.29E 3 2.5 ¶13839854
CSEM V 18 13 38 22.6–.45 37.34N 28.32E 19–1 2.5
DDA V 18 13 38 24.2 37.24N 28.18E 7 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=7.1km az=39.0.
DDA Event type ke.
ISC V 18 16 11 21.2–.83 37.46N–.03 35.44E–.04 12 30 0-1
DDA V 18 16 11 20.5 37.47N 35.40E 5 2.7L ¶13839857
ISCJB V 18 16 11 21.8–.54 37.48N–.05 35.45E–.04 12 2.7L
ISK V 18 16 11 21.1 37.49N 35.44E 18 2.6
CSEM V 18 16 11 21.6–.19 37.47N 35.42E 10 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.0km az=172.6.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.2km az=48.0.
ISC V 18 16 16 09.4–1.1 37.56N–.04 36.08E–.02 4–13 30 0-2
ISK V 18 16 16 08.0 37.56N 36.10E 12 2.6 ¶13839858
DDA V 18 16 16 08.7 37.45N 36.11E 7 2.8L
CSEM V 18 16 16 09.3–.45 37.57N 36.06E 2 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.4km s-min=8.4km az=148.0.
ISC V 18 18 13 45.1–1.0 37.88N–.02 29.12E–.04 9–10 40 0-2
ISK V 18 18 13 44.8 37.88N 29.11E 7 2.8 ¶13839859
ISCJB V 18 18 13 45.1–.52 37.87N–.03 29.07E–.05 8–6 2.8
DDA V 18 18 13 45.5 37.88N 29.08E 8 2.5
CSEM V 18 18 13 45.2–.10 37.87N 29.11E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=17.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=105.0.
ISC V 18 19 52 41.0–1.1 39.07N–.02 26.96E–.03 10–11 44 0-2
ISK V 18 19 52 40.3 39.07N 26.93E 5 2.8 ¶13839860
DDA V 18 19 52 40.9 39.08N 26.98E 7 2.9
ISCJB V 18 19 52 41.0–.49 39.07N–.03 26.98E–.04 5–7 2.9
CSEM V 18 19 52 41.3–.16 39.06N 26.97E 8 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.1km az=161.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=84.0.
ISC V 18 20 09 10.3–.96 39.06N–.02 26.97E–.03 13–10 96 0-3
ISCJB V 18 20 09 09.8–.53 39.06N–.02 26.96E–.04 9–5 ¶13839861
ISK V 18 20 09 09.4 39.06N 26.96E 10 3.2
DDA V 18 20 09 09.7 39.07N 26.99E 7 3.1
CSEM V 18 20 09 10.1–.10 39.06N 26.97E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=163.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=84.0.
ISC V 18 21 37 08.3–1.0 39.86N–.03 34.22E–.03 11–11 32 0-2
ISK V 18 21 37 07.4 39.83N 34.24E 6 2.8 ¶13839863
DDA V 18 21 37 08.1 39.88N 34.17E 7 2.9
CSEM V 18 21 37 08.0–.14 39.87N 34.22E 10 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=154.0.
ISC V 18 23 25 54.3–1.2 39.52N–.04 33.85E–.02 9–11 38 0-2
ISK V 18 23 25 53.3 39.47N 33.89E 6 2.8 ¶13839864
ISCJB V 18 23 25 54.3–.63 39.53N–.04 33.81E–.03 4–6 2.8
DDA V 18 23 25 54.4 39.53N 33.81E 7 3.0
CSEM V 18 23 25 54.5–.21 39.53N 33.83E 12 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.4km az=175.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.1km az=175.0.
ISC V 19 05 23 37.6–.97 39.37N–.03 28.20E–.02 12–10 40 0-2
ISK V 19 05 23 36.9 39.37N 28.19E 5 2.7 ¶13839871
DDA V 19 05 23 37.3 39.38N 28.18E 7 2.8
CSEM V 19 05 23 38.0–.11 39.36N 28.20E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=31.0.
ISC V 19 06 33 37.7–1.0 37.25N–.04 28.19E–.03 6–9 34 0-13
ISK V 19 06 33 36.9 37.27N 28.18E 5 2.6 ¶13839872
DDA V 19 06 33 37.8 37.22N 28.14E 7 2.9
CSEM V 19 06 33 38.4–.29 37.24N 28.19E 2 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=4.5km az=37.0.
ISC V 19 06 53 40.8–.86 37.66N–.02 38.74E–.02 14–7 110 0-4
DDA V 19 06 53 39.8 37.69N 38.69E 28 3.4 ¶13839873
ISCJB V 19 06 53 40.7–.50 37.67N–.02 38.74E–.02 8–3 3.4
ISK V 19 06 53 40.3 37.67N 38.71E 7 3.5
CSEM V 19 06 53 40.8–.18 37.67N 38.76E 5 3.5
NSSC V 19 06 53 43.9–2.1 37.39N 38.87E 0–10 3.6L,1.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=154.6.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=130.0.
NSSC Error ellipse: s-maj=14.9km s-min=5.3km az=-1.0.
ISC V 19 06 58 34.3–.88 37.66N–.03 38.73E–.02 13–8 56 0-2
DDA V 19 06 58 33.1 37.67N 38.73E 24 3.0 ¶13839874
ISK V 19 06 58 33.7 37.67N 38.73E 7 3.0
ISCJB V 19 06 58 34.0–.55 37.67N–.03 38.72E–.03 7–4 3.0
CSEM V 19 06 58 34.3–.21 37.68N 38.74E 10 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=158.9.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=138.0.
ISC V 19 13 56 32.2–1.0 37.04N–.03 39.09E–.02 16–9 57 0-3
NSSC V 19 13 56 31.8–2.0 36.97N 39.35E 125–22 2.7L,1.3 ¶13839883
CSEM V 19 13 56 32.4–.28 37.08N 39.08E 2 3.2,1.3
DDA V 19 13 56 32.7 37.09N 39.04E 40 2.9,1.3
ISCJB V 19 13 56 33.2–1.1 37.10N–.03 39.09E–.03 10–8 2.9,1.3
ISK V 19 13 56 36.4 37.32N 38.95E 6 3.2,1.3
ISC Event type ke.
NSSC Error ellipse: s-maj=16.0km s-min=15.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=41.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=16.7.
ISC V 19 17 11 50.4–1.1 39.06N–.03 42.09E–.03 12–11 27 1-3
CSEM V 19 17 11 48.6–.77 38.90N 42.12E 26–7 3.3 ¶13839888
DDA V 19 17 11 51.3 39.07N 42.11E 3 3.1
ISK V 19 17 11 56.6 39.29N 41.37E 18 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=20.4km s-min=11.0km az=154.0.
DDA Event type ke.
ISC V 19 18 25 18.1–1.0 37.55N–.04 35.68E–.03 15–8 23 0-1
ISCJB V 19 18 25 17.8–.73 37.58N–.05 35.66E–.04 11–5 ¶13839889
ISK V 19 18 25 18.1 37.55N 35.75E 17 2.5
DDA V 19 18 25 18.3 37.51N 35.69E 7 2.8
CSEM V 19 18 25 18.1–.33 37.56N 35.70E 19–0 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.5km az=173.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=4.4km az=175.0.
ISC V 19 21 24 11.9–1.1 39.93N–.02 40.87E–.01 2–10 126 0-4
ISK V 19 21 24 11.7 39.93N 40.85E 5 3.5 ¶13839891
DDA V 19 21 24 12.8 39.94N 40.85E 16 3.8
CSEM V 19 21 24 13.2–.18 39.95N 40.89E 2 3.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=3.0.
ISC V 19 21 57 26.4–.87 40.08N–.02 34.51E–.02 10–7 65 0-3
DDA V 19 21 57 25.8 40.06N 34.54E 13 3.1 ¶13839892
ISCJB V 19 21 57 26.1–.58 40.08N–.02 34.48E–.03 2–5 3.1
ISK V 19 21 57 26.2 40.13N 34.49E 11 3.2
CSEM V 19 21 57 26.2–.16 40.08N 34.50E 2 3.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=21.3.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=95.0.
ISC V 20 01 01 44.0–1.0 37.67N–.02 38.44E–.02 5–10 41 0-2
ISK V 20 01 01 43.7 37.64N 38.45E 5 2.9 ¶13839897
DDA V 20 01 01 43.6 37.67N 38.44E 7 3.1
CSEM V 20 01 01 44.0–.12 37.67N 38.44E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=164.0.
ISC V 20 01 07 37.4–1.0 39.30N–.02 27.01E–.02 20–4 85 0-3
ISK V 20 01 07 37.0 39.34N 27.05E 5 3.0 ¶13839899
DDA V 20 01 07 37.6 39.34N 26.98E 20 2.8
CSEM V 20 01 07 37.7–.12 39.32N 27.01E 10 2.8
ATH V 20 01 07 39.4 39.22N 26.84E 38–1 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=25.0.
ATH Error ellipse: s-maj=0.8km s-min=2.1km az=-1.0.
ISC V 20 08 30 30.2–1.1 36.47N–.04 30.98E–.03 29–11 69 1-4
DDA V 20 08 30 28.9 36.48N 30.96E 40 3.3 ¶12895829
ISK V 20 08 30 29.0 36.48N 31.00E 29 3.4
CSEM V 20 08 30 30.6–.14 36.50N 30.97E 40 2.9W
NIC V 20 08 30 32.6–.40 36.00N 30.88E 12 3.5L,2.9W
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=3.0km az=31.0.
NIC Moment Tensor Solution. $M_0$1.90000×10^{13}
ISC V 20 15 20 49.3–1.1 37.45N–.06 36.21E–.03 8–9 25 0-2
DDA V 20 15 20 45.8 37.57N 35.96E 7 3.1 ¶13839903
ISK V 20 15 20 48.2 37.40N 36.24E 3 2.6
CSEM V 20 15 20 49.9–.48 37.45N 36.22E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=24.0km s-min=8.4km az=171.0.
ISC V 20 17 06 34.7–1.1 37.86N–.02 27.56E–.03 6–11 49 0-3
ISK V 20 17 06 33.8 37.87N 27.57E 6 3.1 ¶13839905
ISCJB V 20 17 06 34.2–.46 37.87N–.03 27.56E–.05 5–7 3.1
DDA V 20 17 06 34.4 37.86N 27.53E 7 3.1
CSEM V 20 17 06 34.5–.13 37.86N 27.58E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.8km az=153.3.

DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=71.0.
ISC V 20 18 15 16.1–.95 37.52N–.04 35.70E–.03 13–7 35 0-2
DDA V 20 18 15 15.5 37.53N 35.72E 7 2.8 ¶13839906
ISCJB V 20 18 15 16.1–.73 37.55N–.04 35.69E–.04 9–4 2.8
CSEM V 20 18 15 16.4–.32 37.52N 35.67E 10 2.8
ISK V 20 18 15 16.0 37.55N 35.68E 11 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.9km az=159.9.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=5.4km az=168.0.
ISC V 20 19 41 51.2–1.1 39.25N–.02 27.95E–.02 10–9 72 0-2
DDA V 20 19 41 51.0 39.28N 27.98E 7 3.0 ¶13839907
ISCJB V 20 19 41 51.5–.45 39.27N–.02 27.95E–.03 7–4 3.0
ISK V 20 19 41 51.0 39.26N 27.92E 9 2.9
CSEM V 20 19 41 51.8–.11 39.26N 27.95E 10 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=146.8.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=71.0.
ISC V 20 22 05 03.5–.94 37.86N–.02 27.53E–.03 11–9 37 0-2
ISCJB V 20 22 05 03.6–.51 37.86N–.03 27.54E–.05 3–10 ¶13839911
ISK V 20 22 05 03.0 37.86N 27.50E 14 2.4
DDA V 20 22 05 03.7 37.84N 27.52E 7 2.9
CSEM V 20 22 05 03.8–.19 37.86N 27.52E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.3km az=146.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=77.0.
ISC V 21 01 58 53.2–.91 37.13N–.03 28.43E–.03 13–7 32 0-1
ISK V 21 01 58 52.2 37.14N 28.44E 16 2.4 ¶13839918
DDA V 21 01 58 52.7 37.12N 28.40E 7 2.8
CSEM V 21 01 58 53.3–.12 37.15N 28.45E 5 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=22.0.
ISC V 21 02 05 41.5–1.2 37.16N–.03 28.47E–.03 3–11 37 0-1
ISCJB V 21 02 05 41.7–.49 37.17N–.04 28.47E–.04 3–13 ¶13839919
ISK V 21 02 05 41.1 37.13N 28.47E 8 2.6
DDA V 21 02 05 41.5 37.13N 28.41E 7 2.8
CSEM V 21 02 05 41.8–.10 37.15N 28.46E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=29.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=16.0.
ISC V 21 05 52 57.6–1.0 37.86N–.02 27.54E–.03 12–9 30 0-1
ISK V 21 05 52 57.2 37.90N 27.57E 6 2.6 ¶13839924
DDA V 21 05 52 57.4 37.86N 27.55E 7 2.9
CSEM V 21 05 52 57.7–.06 37.86N 27.56E 5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=73.0.
ISC V 21 06 33 54.1–.94 37.87N–.03 27.54E–.03 13–8 41 0-2
DDA V 21 06 33 53.8 37.86N 27.56E 7 2.7 ¶13839925
ISCJB V 21 06 33 54.2–.49 37.86N–.03 27.55E–.05 10–7 2.7
ISK V 21 06 33 54.0 37.87N 27.56E 9 2.6
CSEM V 21 06 33 54.2–.30 37.87N 27.54E 10 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.1km az=156.5.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=102.0.
DDA V 21 12 37 50.9 37.54N 37.46E 7 3.0
CSEM V 21 12 37 50.8 37.54N 37.46E 7 3.0 ¶15136773
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC V 21 14 14 45.7–1.2 39.31N–.02 27.92E–.02 5–10 76 1-3
ISK V 21 14 14 44.6 39.32N 27.92E 5 3.1 ¶13839933
ISCJB V 21 14 14 45.5–.61 39.29N–.02 27.93E–.03 1–6 3.1
DDA V 21 14 14 45.6 39.31N 27.97E 7 2.9
CSEM V 21 14 14 46.1–.12 39.30N 27.93E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=164.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=67.0.
ISC V 21 17 14 52.1–.88 37.17N–.03 28.27E–.03 12–5 36 0-2
ISK V 21 17 14 51.9 37.14N 28.24E 12 2.5 ¶13839938
DDA V 21 17 14 51.7 37.15N 28.24E 7 2.8
ISCJB V 21 17 14 52.3–.49 37.20N–.04 28.27E–.05 7–7 2.8
CSEM V 21 17 14 52.4–.18 37.18N 28.27E 8 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.3km az=44.3.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=26.0.
ISC V 21 21 15 47.9–1.1 37.73N–.03 42.81E–.02 7–10 54 0-3
ISK V 21 21 15 47.1 37.52N 42.63E 6 3.3 ¶13839941
DDA V 21 21 15 48.2 37.74N 42.79E 9 3.4L,3.2
CSEM V 21 21 15 48.2–.30 37.73N 42.79E 2 3.4L,3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.9km az=5.0.
ISC V 21 21 17 11.4–1.0 37.75N–.03 42.85E–.03 14–9 30 0-2
DDA V 21 21 17 11.3 37.78N 42.79E 12 3.3L,3.1 ¶15136756
CSEM V 21 21 17 11.3 37.78N 42.79E 12 3.3L,3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC V 21 22 09 44.0–.92 37.77N–.02 29.14E–.03 9–6 43 0-2
ISK V 21 22 09 43.2 37.75N 29.15E 11 2.5 ¶13839943
CSEM V 21 22 09 43.7–.14 37.74N 29.16E 8 2.5
ISCJB V 21 22 09 44.5–.48 37.78N–.02 29.12E–.04 2–6 2.5
DDA V 21 22 09 44.1 37.78N 29.11E 3 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=10.9.
DDA Event type ke.
ISC V 22 00 56 30.2–1.1 37.41N–.02 36.43E–.02 3–11 51 0-3
ISK V 22 00 56 29.6 37.38N 36.45E 7 3.0 ¶13839948
DDA V 22 00 56 30.1 37.43N 36.42E 8 3.0
CSEM V 22 00 56 30.2–.19 37.41N 36.42E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=163.0.
ISC V 22 01 17 51.0–1.2 40.48N–.03 35.31E–.03 1–13 26 0-2
ISK V 22 01 17 50.5 40.45N 35.40E 15 2.5 ¶13839950
DDA V 22 01 17 51.0 40.47N 35.26E 7 2.8
CSEM V 22 01 17 50.9–.21 40.49N 35.35E 5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=146.0.
ISC V 22 02 08 56.2–1.0 37.86N–.03 29.34E–.04 9–11 26 0-2
ISK V 22 02 08 55.7 37.86N 29.37E 9 2.7 ¶13839952
ISCJB V 22 02 08 56.2–.67 37.87N–.03 29.34E–.08 7–8 2.7
DDA V 22 02 08 56.4 37.87N 29.22E 7 2.8
CSEM V 22 02 08 56.1–.29 37.88N 29.32E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.0km az=18.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=5.5km az=104.0.
CSEM V 22 04 58 45.7–1.3 37.06N 43.92E 2 3.5
DDA V 22 04 58 43.9 36.89N 43.88E 7 3.3 ¶13839953
ISK V 22 04 58 43.8 37.12N 43.92E 5 3.5
CSEM Event type ke. Error ellipse: s-maj=25.9km s-min=17.8km az=114.0.
DDA Event type ke.
ISC V 22 06 05 49.4–1.1 39.11N–.02 29.02E–.02 3–10 162 0-7
ISK V 22 06 05 48.7 39.10N 29.03E 4 3.3L ¶13839954
DDA V 22 06 05 48.8 39.10N 29.01E 11 3.3
CSEM V 22 06 05 49.3–.08 39.10N 29.03E 2 3.3
ATH V 22 06 05 53.3 39.14N 28.68E 38 3.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=77.0.
ATH Error ellipse: s-maj=4.6km s-min=7.7km az=-1.0.
ISC V 22 08 01 08.6–1.2 39.08N–.03 27.55E–.05 10–10 44 0-2
ISCJB V 22 08 01 07.8–.96 39.09N–.04 27.50E–.06 3–7 ¶13839959
ISK V 22 08 01 07.9 39.08N 27.55E 10 2.8
DDA V 22 08 01 08.6 39.11N 27.61E 7 2.6
CSEM V 22 08 01 08.3–.23 39.08N 27.52E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.3km az=143.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=2.9km az=47.0.
ISC V 22 08 22 17.3–2.2 40.13N–.04 35.6E–.10 3–15 23 1-2
DDA V 22 08 22 21.7 40.00N 35.25E 7 2.8 ¶15136816
CSEM V 22 08 22 21.7 40.00N 35.25E 7 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC V 22 09 32 15.8–.91 36.83N–.03 35.97E–.03 13–8 35 0-2
ISCJB V 22 09 32 15.7–.48 36.83N–.02 35.99E–.04 7–5 ¶13839961
CSEM V 22 09 32 15.7–.11 36.82N 35.98E 15 2.6
DDA V 22 09 32 15.6 36.83N 36.00E 7 2.9
ISK V 22 09 32 15.4 36.82N 35.97E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=157.6.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=68.0.
DDA Event type ke.
ISC V 22 11 27 48.7–1.1 40.81N–.05 39.35E–.04 23–11 20 0-2
ISCJB V 22 11 27 49.3–.74 40.79N–.05 39.36E–.06 17–11 ¶15136808
DDA V 22 11 27 49.1 40.79N 39.29E 9 2.5
CSEM V 22 11 27 49.1 40.79N 39.29E 9 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.8km az=147.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISK V 22 11 32 37.7 40.25N 30.00E 15 2.7
CSEM V 22 11 32 37.7 40.25N 30.00E 15 2.7 ¶13839965
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC V 22 14 23 12.9–.99 37.71N–.02 27.02E–.02 15–9 98 0-3
ISK V 22 14 23 12.6 37.77N 27.07E 5 3.0 ¶13839968
ATH V 22 14 23 12.8 37.72N 27.05E 13–3 3.2
CSEM V 22 14 23 13.6–.18 37.74N 26.99E 8 3.0
ISCJB V 22 14 23 13.0–.51 37.74N–.02 26.97E–.03 3–4 3.0
DDA V 22 14 23 13.3 37.76N 27.04E 17 3.0
THE V 22 14 23 14.0 37.70N 27.19E 32–25 2.8L
ISC Event type ke.
ATH Error ellipse: s-maj=2.3km s-min=4.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=154.1.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=25.4km s-min=0.8km az=215.0.
ISC V 22 15 50 13.9–1.3 38.64N–.07 35.80E–.05 14–8 20 0-2
DDA V 22 15 50 02.6 39.39N 35.71E 7 2.9 ¶13839970
CSEM V 22 15 50 13.9–.53 38.61N 35.84E 8 2.6
ISK V 22 15 50 15.2 38.68N 35.78E 5 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=7.2km az=23.0.
ISC V 22 15 51 04.6–1.2 37.46N–.03 35.45E–.03 10–11 32 0-2
DDA V 22 15 51 04.8 37.46N 35.43E 7 2.9 ¶15055708
ISK V 22 15 51 04.8 37.48N 35.46E 23 2.5
CSEM V 22 15 51 05.2–.27 37.47N 35.44E 22–4 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.7km az=37.0.
ISC V 22 17 51 12.5–.99 39.67N–.04 26.47E–.05 12–8 51 0-3
ISK V 22 17 51 12.5 39.70N 26.50E 2 3.1 ¶13839974
DDA V 22 17 51 12.3 39.65N 26.53E 7 2.9
CSEM V 22 17 51 12.5–.36 39.66N 26.45E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.3km az=53.0.
ISC V 22 17 51 55.9–.94 39.10N–.02 29.03E–.02 9–9 76 0-2
ISCJB V 22 17 51 55.7–.45 39.08N–.03 29.04E–.03 4–6 ¶13839975
ISK V 22 17 51 55.3 39.08N 29.04E 5 2.9
DDA V 22 17 51 55.5 39.08N 29.03E 7 3.0
CSEM V 22 17 51 55.9–.08 39.08N 29.04E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=159.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=79.0.
ISC V 22 17 56 37.6–1.2 40.55N–.02 35.30E–.02 3–13 53 0-3
DDA V 22 17 56 36.1 40.54N 35.31E 7 3.0 ¶13839976
ISCJB V 22 17 56 37.3–.60 40.56N–.03 35.29E–.03 0–5 3.0
ISK V 22 17 56 37.4 40.55N 35.29E 7 2.9
CSEM V 22 17 56 37.4–.20 40.55N 35.30E 2 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.0km az=166.1.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=164.0.
DDA V 22 20 07 22.9 39.08N 27.38E 7 2.6
CSEM V 22 20 07 22.9 39.08N 27.38E 7 2.6 ¶15136785
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC V 22 21 07 53.9–.82 38.70N–.03 30.86E–.02 15–5 64 0-3
ISK V 22 21 07 53.2 38.71N 30.87E 2 3.0 ¶13839979
DDA V 22 21 07 53.3 38.72N 30.87E 19 3.1
ISCJB V 22 21 07 54.3–.42 38.70N–.03 30.88E–.03 9–3 3.1
CSEM V 22 21 07 54.1–.15 38.69N 30.87E 5 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=174.1.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=173.0.
ISC V 22 22 50 01.2–.86 37.52N–.03 35.64E–.02 17–6 41 0-2
DDA V 22 22 50 00.6 37.57N 35.68E 7 2.8 ¶13839982
ISCJB V 22 22 50 01.2–.49 37.52N–.03 35.64E–.03 12–5 2.8
CSEM V 22 22 50 01.1–.17 37.52N 35.62E 15 2.7
ISK V 22 22 50 01.1 37.51N 35.61E 10 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=20.6.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=53.0.
ISC V 23 01 04 50.0–1.0 39.31N–.02 27.92E–.02 12–9 98 0-2
ISK V 23 01 04 49.5 39.30N 27.90E 6 2.8 ¶13839985
DDA V 23 01 04 49.5 39.30N 27.93E 26 2.9
ISCJB V 23 01 04 50.0–.46 39.30N–.02 27.93E–.03 6–4 2.9
CSEM V 23 01 04 50.2–.11 39.29N 27.92E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=150.6.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=59.0.
ISC V 23 04 07 40.1–1.1 38.37N–.02 35.89E–.02 13–10 47 0-2
ISCJB V 23 04 07 40.7–.53 38.35N–.02 35.86E–.03 3–5 ¶13839986

CSEM V 23 04 07 40.7–.20 38.36N 35.88E 2 2.8
DDA V 23 04 07 40.3 38.36N 35.84E 7 3.0
ISK V 23 04 07 40.8 38.37N 35.87E 6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=149.6.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=77.0.
DDA Event type ke.
ISC V 23 10 33 43.2–.95 37.26N–.04 28.24E–.03 14–8 30 0-1
DDA V 23 10 33 40.2 37.21N 27.72E 7 2.5 **¶13839989**
ISK V 23 10 33 42.4 37.32N 28.25E 8 2.6
CSEM V 23 10 33 43.4–.17 37.26N 28.23E 15 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=34.0.
ISC V 23 12 51 05.5–.92 37.24N–.04 28.23E–.03 17–7 29 0-1
ISK V 23 12 51 02.9 37.42N 28.30E 5 2.5 **¶13839990**
ISCJB V 23 12 51 05.6–.54 37.24N–.05 28.23E–.05 14–9 2.5
CSEM V 23 12 51 05.5–.19 37.24N 28.25E 15 2.5
DDA V 23 12 51 06.0 37.22N 28.19E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.4km az=36.6.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=25.0.
DDA Event type ke.
ISC V 23 15 37 12.4–.95 40.34N–.02 27.88E–.02 7–5 36 0-1
ISCJB V 23 15 37 11.9–.47 40.34N–.03 27.87E–.04 10–4 **¶13839993**
ISK V 23 15 37 11.8 40.35N 27.86E 9 2.6
DDA V 23 15 37 12.3 40.30N 27.89E 7 2.5
CSEM V 23 15 37 12.1–.14 40.33N 27.88E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=149.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=138.0.
ISC V 23 16 09 31.0–1.6 37.46N–.03 35.46E–.03 1–14 29 0-2
ISCJB V 23 16 09 31.8–.67 37.51N–.05 35.41E–.04 6–10 **¶13839995**
CSEM V 23 16 09 31.9–.19 37.51N 35.41E 8 2.9
ISK V 23 16 09 31.3 37.51N 35.40E 6 2.9
DDA V 23 16 09 31.2 37.46N 35.46E 3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.5km az=3.3.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=43.0.
DDA Event type ke.
ISC V 23 18 05 51.8–.84 39.78N–.02 27.87E–.02 9–6 96 0-2
ISK V 23 18 05 50.9 39.78N 27.87E 6 2.9 **¶13840000**
ISCJB V 23 18 05 51.4–.42 39.79N–.02 27.88E–.03 1–4 2.9
DDA V 23 18 05 51.8 39.75N 27.88E 7 2.9
CSEM V 23 18 05 51.8–.09 39.78N 27.86E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=160.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=59.0.
ISC V 23 20 18 56.6–1.1 38.22N–.04 39.42E–.04 7–11 27 0-2
ISK V 23 20 18 55.8 38.25N 39.46E 2 2.8 **¶13840003**
DDA V 23 20 18 56.8 38.25N 39.38E 7 2.7
ISCJB V 23 20 18 57.4–.57 38.26N–.03 39.38E–.05 10–6 2.7
CSEM V 23 20 18 57.5–.28 38.26N 39.35E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.4km az=168.1.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.3km az=69.0.
ISC V 23 21 57 39.5–.70 40.47N–.01 29.16E–.01 14–4 3.3b 284 0-39
DDA V 23 21 57 38.5 40.47N 29.17E 19 3.9L **¶13679497**
ISK V 23 21 57 38.8 40.48N 29.14E 11 3.8L
ISCJB V 23 21 57 38.9–.25 40.51N–.01 29.13E–.02 11–2 3.2b
THE V 23 21 57 39.4 40.51N 29.06E 0–1 3.7L
CSEM V 23 21 57 39.4–.06 40.47N 29.13E 8 3.8L
IDC V 23 21 57 41.4–1.2 40.87N 29.62E 0 3.3,3.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=142.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=91.0.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=31.0.
IDC Error ellipse: s-maj=23.3km s-min=13.2km az=48.0.
ISC V 23 22 26 06.9–1.2 37.13N–.02 29.09E–.02 3–10 105 0-5
ISK V 23 22 26 07.6 37.10N 29.14E 5 3.4 **¶13840004**
ATH V 23 22 26 07.8 36.97N 29.76E 45 3.5
DDA V 23 22 26 08.2 37.09N 29.15E 26 3.3
ISCJB V 23 22 26 09.2–.52 37.15N–.02 29.12E–.03 2–5 3.3
CSEM V 23 22 26 09.5–.14 37.15N 29.15E 2 3.4
ISC Event type ke.
ATH Error ellipse: s-maj=6.2km s-min=6.7km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=43.2.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=153.0.
ISC V 23 23 52 50.4–1.1 39.07N–.02 42.00E–.02 4–12 59 0-3
ISK V 23 23 52 49.5 39.03N 41.93E 5 3.2 **¶13840007**
DDA V 23 23 52 50.2 39.14N 42.01E 23 3.1
CSEM V 23 23 52 50.6–.26 39.09N 41.98E 2 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.8km az=43.0.
DDA V 24 00 46 22.5 39.06N 26.99E 7 2.7
¶15136863
DDA Event type ke.
ISC V 24 03 11 46.0–1.0 39.53N–.03 28.09E–.03 19–2 34 0-1
ISK V 24 03 11 45.6 39.56N 28.09E 22 2.5 **¶13840012**
DDA V 24 03 11 45.9 39.48N 28.07E 7 2.8
CSEM V 24 03 11 45.9–.10 39.53N 28.09E 20 2.5
ISCJB V 24 03 11 46.1–.55 39.54N–.04 28.08E–.05 24–6 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 24 04 47 44.0–1.0 37.08N–.02 29.08E–.02 7–9 46 0-1
ISK V 24 04 47 43.2 37.08N 29.07E 7 2.8 **¶13840014**
CSEM V 24 04 47 44.0–.15 37.07N 29.08E 8 2.8
DDA V 24 04 47 45.1 37.13N 29.12E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=41.0.
DDA Event type ke.
ISC V 24 12 41 59.9–.99 37.22N–.04 28.19E–.03 12–7 28 0-1
ISCJB V 24 12 41 59.6–.54 37.19N–.05 28.15E–.04 14–5 **¶13840018**
ISK V 24 12 41 59.5 37.15N 28.12E 2 2.5
DDA V 24 12 41 59.9 37.23N 28.18E 7 2.6
CSEM V 24 12 42 00.0–.21 37.23N 28.18E 2 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.6km az=23.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=26.0.
ISC V 24 18 58 26.5–.94 39.08N–.03 29.03E–.03 11–10 32 0-2
DDA V 24 18 58 26.1 39.07N 29.03E 7 2.8 **¶13840021**
ISCJB V 24 18 58 26.3–.54 39.07N–.04 29.03E–.04 7–10 2.8
ISK V 24 18 58 26.0 39.06N 29.03E 10 2.6
CSEM V 24 18 58 26.4–.11 39.09N 29.02E 5 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.4km az=160.3.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=127.0.
ISC V 24 19 56 28.9–1.1 38.69N–.02 39.56E–.02 3–11 63 0-4
ISK V 24 19 56 27.8 38.70N 39.54E 2 3.3 **¶13840025**
ISCJB V 24 19 56 28.9–.49 38.72N–.02 39.50E–.03 2–5 3.3
DDA V 24 19 56 28.7 38.70N 39.50E 7 3.5L,3.3
CSEM V 24 19 56 29.0–.23 38.70N 39.51E 2 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=7.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=108.0.
ISC V 24 23 21 19.6–.89 40.63N–.03 36.78E–.02 8–6 47 0-3
ISK V 24 23 21 18.6 40.65N 36.79E 5 3.3 **¶13840029**
DDA V 24 23 21 18.7 40.60N 36.81E 2 3.3
ISCJB V 24 23 21 19.3–.49 40.63N–.04 36.79E–.03 5–4 3.3
CSEM V 24 23 21 19.2–.15 40.64N 36.78E 5 3.3
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.0km az=19.9.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.7km az=21.0.
DDA V 25 00 13 36.3 37.77N 29.14E 7 2.8
¶15136890
DDA Event type ke.
DDA V 25 00 47 34.3 37.78N 29.10E 7 2.8
¶15136888
DDA Event type ke.
ISC V 25 04 04 25.4–1.1 39.29N–.02 27.94E–.02 10–9 96 0-3
ISCJB V 25 04 04 25.3–.46 39.28N–.02 27.94E–.03 2–4 **¶13840035**
CSEM V 25 04 04 25.6–.10 39.28N 27.94E 5 3.0
DDA V 25 04 04 25.6 39.29N 27.95E 7 3.0
ISK V 25 04 04 25.1 39.29N 27.94E 6 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=160.7.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=65.0.
DDA Event type ke.
ISC V 25 11 00 15.3–1.0 37.53N–.03 35.68E–.03 9–8 27 0-2
DDA V 25 11 00 12.8 37.62N 35.75E 7 3.1 **¶13840039**
ISCJB V 25 11 00 14.9–.62 37.57N–.04 35.67E–.04 5–13 3.1
ISK V 25 11 00 14.8 37.55N 35.68E 8 2.7
CSEM V 25 11 00 15.1–.20 37.56N 35.67E 5 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.5km az=162.7.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=43.0.
ISC V 25 12 10 47.8–1.1 39.97N–.03 41.33E–.03 9–8 35 0-2
CSEM V 25 12 10 46.3–.40 39.85N 41.39E 15 2.7 **¶13840042**
ISCJB V 25 12 10 47.8–.62 39.94N–.03 41.30E–.04 11–5 2.7
ISK V 25 12 10 47.7 39.97N 41.33E 12 2.7
DDA V 25 12 10 48.2 39.99N 41.38E 6 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.5km az=131.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.4km az=40.4.
DDA Event type ke.
ISC V 25 13 54 05.4–1.2 41.42N–.04 35.93E–.02 13–10 45 0-3
ISK V 25 13 54 06.2 41.37N 35.88E 5 2.6 **¶13840045**
DDA V 25 13 54 06.1 41.43N 35.92E 13 2.9
CSEM V 25 13 54 07.2–.31 41.40N 35.92E 2 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.0km az=26.0.
ISC V 25 15 48 19.5–.95 38.71N–.03 35.78E–.03 12–8 30 0-2
ISK V 25 15 48 18.4 38.68N 35.74E 5 2.6 **¶13840047**
CSEM V 25 15 48 18.6–.30 38.67N 35.83E 2 2.6
ISCJB V 25 15 48 19.4–.76 38.67N–.04 35.73E–.04 0–8 2.6
DDA V 25 15 48 19.3 38.75N 35.77E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.4km az=22.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.5km az=29.1.
DDA Event type ke.
ISC V 25 17 15 57.3–1.1 38.27N–.03 41.89E–.02 9–9 42 0-3
DDA V 25 17 15 56 38.32N 41.89E 7 2.8 **¶13840049**
CSEM V 25 17 15 56.8–.22 38.31N 41.92E 10 2.8
ISCJB V 25 17 15 57.5–.64 38.29N–.03 41.91E–.03 10–5 2.8
ISK V 25 17 15 57.2 38.16N 41.66E 5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.1km az=0.4.
ISC V 25 18 18 12.9–.86 39.56N–.03 28.02E–.02 14–6 48 0-1
ISCJB V 25 18 18 13.0–.47 39.56N–.03 28.02E–.03 8–5 **¶13840050**
ISK V 25 18 18 12.4 39.53N 28.04E 10 2.6
DDA V 25 18 18 12.8 39.56N 28.00E 7 2.8
CSEM V 25 18 18 13.0–.14 39.56N 28.03E 11–1 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=13.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=31.0.
DDA V 25 18 37 06.0 37.62N 35.66E 7 2.5
¶15136871
DDA Event type ke.
ISC V 25 20 31 48.5–.96 38.41N–.03 30.55E–.02 8–7 62 0-2
DDA V 25 20 31 47.9 38.42N 30.58E 35 2.9 **¶13840051**
ISCJB V 25 20 31 48.7–.63 38.42N–.03 30.56E–.03 5–4 2.9
ISK V 25 20 31 48.8 38.44N 30.54E 7 2.8
CSEM V 25 20 31 48.4–.18 38.41N 30.56E 5 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=157.1.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=161.0.
ISC V 25 23 11 15.1–1.2 37.67N–.03 36.29E–.03 3–11 32 0-2
CSEM V 25 23 11 13.9–.61 37.84N 36.31E 2 2.8 **¶13840054**
DDA V 25 23 11 14.9 37.64N 36.28E 5 2.8
ISK V 25 23 11 15.4 37.67N 36.35E 4 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.7km s-min=10.7km az=104.0.
DDA Event type ke.
ISC V 26 00 53 17.3–1.1 37.68N–.03 37.34E–.02 7–10 40 0-2
ISK V 26 00 53 16.8 37.69N 37.33E 3 2.7 **¶13840060**
DDA V 26 00 53 16.9 37.67N 37.34E 7 2.8
ISCJB V 26 00 53 17.2–.49 37.69N–.03 37.35E–.03 3–8 2.8
CSEM V 26 00 53 17.3–.17 37.71N 37.33E 2 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.4km az=3.4.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=168.0.
ISC V 26 02 01 34.8–1.1 38.70N–.02 39.43E–.02 0–9 3.5b 160 0-77
NSSC V 26 02 01 22.1–3.0 39.61N 39.96E 0–102 4.0L,1.9 **¶13679656**
DDA V 26 02 01 33.6 38.70N 39.45E 14 3.7,1.9
ISK V 26 02 01 33.1 38.71N 39.44E 2 3.8L,1.9
CSEM V 26 02 01 34.7–.13 38.70N 39.44E 2 3.8L,1.9
IDC V 26 02 01 34.9–.77 38.72N 39.62E 0 3.6,3.5
ISC Event type ke.
NSSC Error ellipse: s-maj=152.1km s-min=53.0km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=136.0.
IDC Error ellipse: s-maj=15.9km s-min=9.6km az=156.0.
ISC V 26 02 38 16.1–1.4 37.46N–.05 36.36E–.03 1–11 26 0-1
CSEM V 26 02 38 15.7–.67 37.68N 36.38E 18–8 2.5 **¶13840063**
ISK V 26 02 38 17.5 37.41N 36.36E 16 2.5
DDA V 26 02 38 17.5 37.56N 36.33E 3 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=18.8km s-min=13.0km az=13.0.
DDA Event type ke.
ISC V 26 03 39 58.6–.97 38.68N–.02 39.44E–.03 11–8 45 0-2
ISK V 26 03 39 57.4 38.66N 39.41E 4 2.9 **¶13840064**
ISCJB V 26 03 39 58.3–.63 38.70N–.03 39.43E–.04 3–5 2.9
DDA V 26 03 39 58.4 38.72N 39.47E 7 2.6

CSEM V 26 03 39 58.2–.33 38.68N 39.48E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=2.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=5.3km az=99.0.
ISC V 26 09 57 25.2–1.1 37.70N–.03 27.09E–.03 9–11 37 0-2
ISCJB V 26 09 57 25.0–.73 37.71N–.03 27.05E–.06 9–5 **¶13840069**
ISK V 26 09 57 24.7 37.74N 27.14E 7 3.0
DDA V 26 09 57 24.6 37.71N 26.95E 7 2.8
CSEM V 26 09 57 25.5–.34 37.71N 27.12E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.3km az=163.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=5.4km az=74.0.
ISC V 26 10 00 37.4–1.0 37.72N–.03 27.01E–.03 16–7 35 0-2
ISK V 26 10 00 36.7 37.76N 27.11E 5 2.7 **¶13840070**
DDA V 26 10 00 37.8 37.78N 27.00E 5 2.9
CSEM V 26 10 00 37.6–.38 37.72N 27.04E 8 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=6.1km az=67.0.
ISC V 26 10 06 39.3–1.5 37.78N–.03 27.11E–.06 12–15 18 0-1
ISCJB V 26 10 06 39.7–.85 37.77N–.04 27.1E–.10 12–8 **¶13840071**
ISK V 26 10 06 39.1 37.76N 27.18E 13 2.7
DDA V 26 10 06 39.6 37.78N 27.01E 7 2.6
CSEM V 26 10 06 39.9–.34 37.78N 27.11E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=7.0km az=174.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=6.9km az=87.0.
ISC V 26 13 27 31.8–.91 39.11N–.02 29.05E–.02 15–8 50 0-2
ISCJB V 26 13 27 31.8–.54 39.11N–.03 29.07E–.04 11–4 **¶13840073**
ISK V 26 13 27 31.5 39.12N 29.04E 16 2.7
CSEM V 26 13 27 31.9–.15 39.11N 29.05E 12 2.6
DDA V 26 13 27 32.9 39.09N 29.02E 3 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=27.6.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=102.0.
DDA Event type ke.
ISC V 26 15 39 25.3–.90 37.53N–.04 35.72E–.03 14–6 32 0-2
DDA V 26 15 39 24.5 37.54N 35.73E 7 2.8 **¶13840075**
ISCJB V 26 15 39 25.1–.60 37.56N–.04 35.72E–.04 11–5 2.8
CSEM V 26 15 39 25.2–.20 37.56N 35.72E 10 2.7
ISK V 26 15 39 25.0 37.56N 35.75E 10 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=161.1.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=179.0.
ISC V 26 15 42 40.3–1.4 37.54N–.05 35.35E–.05 16–11 24 0-1
CSEM V 26 15 42 39.8–.76 37.64N 35.38E 10 2.5 **¶13840076**
ISCJB V 26 15 42 41.8–.99 37.50N–.06 35.43E–.06 9–12 2.5
DDA V 26 15 42 41.0 37.47N 35.44E 4 3.0
ISK V 26 15 42 41.2 37.49N 35.40E 14 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.9km s-min=10.5km az=146.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=7.4km az=13.4.
DDA Event type ke.
ISC V 26 17 03 37.1–.93 39.33N–.02 27.00E–.02 14–8 79 0-3
ISCJB V 26 17 03 37.0–.42 39.35N–.02 27.00E–.02 6–4 **¶13840080**
ISK V 26 17 03 36.4 39.34N 26.97E 8 2.9
DDA V 26 17 03 37.2 39.33N 27.01E 7 2.8
CSEM V 26 17 03 37.3–.11 39.34N 26.99E 10 2.8
THE V 26 17 03 38.7 39.27N 26.95E 11–1 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=1.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=169.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=279.0.
ISC V 26 21 49 51.8–6.5 37.9N–.40 27.0E–.60 13 4 0-1
DDA V 26 21 49 52.9 37.76N 26.99E 7 2.5 **¶15136895**
ISC Event type ke.
DDA Event type ke.
ISC V 27 01 09 20.7–.97 39.35N–.03 38.37E–.03 15–7 39 0-2
ISK V 27 01 09 20.3 39.32N 38.43E 18 2.9 **¶13840084**
DDA V 27 01 09 20.4 39.38N 38.29E 7 2.8
CSEM V 27 01 09 20.5–.33 39.33N 38.36E 15 2.9
ISCJB V 27 01 09 21.1–.53 39.35N–.03 38.37E–.05 19–5 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 27 09 50 13.4–1.1 39.94N–.01 43.28E–.01 1–8 3.6b,2.9s 201 0-76
NSSP V 27 09 50 07.7 39.88N 43.03E 10 3.8s,2.9s **¶13679736**
TIF V 27 09 50 10.2 39.82N 43.18E 4–3 3.8s,2.9s
IDC V 27 09 50 12.5–1.8 39.63N 43.45E 0 3.5,3.4
ISK V 27 09 50 12.9 39.93N 43.37E 5 4.0,3.9L
DDA V 27 09 50 13.3 39.91N 43.24E 3 3.8L,3.9L
CSEM V 27 09 50 13.9–.12 39.94N 43.35E 2 3.8L,3.9L
MOS V 27 09 50 15.7–1.1 40.04N 43.21E 22 4.0b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=60.0km s-min=13.6km az=159.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=147.0.
MOS Error ellipse: s-maj=12.8km s-min=7.7km az=71.6.
ISC V 27 10 03 29.8–1.1 39.91N–.02 43.27E–.02 1–11 79 0-3
NSSP V 27 10 03 25.1 39.98N 42.82E 5 3.1s **¶13840088**
TIF V 27 10 03 27.7 39.84N 43.19E 11–5 3.1s
ISK V 27 10 03 28.6 39.90N 43.28E 9 3.6
DDA V 27 10 03 29.6 39.92N 43.23E 2 3.4
CSEM V 27 10 03 29.5–.21 39.91N 43.24E 5 3.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=121.0.
ISC V 27 15 09 43.8–.91 37.79N–.03 27.34E–.04 9–9 33 0-2
ISCJB V 27 15 09 43.8–.60 37.78N–.03 27.35E–.06 11–7 **¶13840092**
ISK V 27 15 09 43.7 37.80N 27.45E 8 2.8
DDA V 27 15 09 44.0 37.73N 27.33E 7 2.7
CSEM V 27 15 09 43.9–.25 37.79N 27.36E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.3km az=159.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.0km az=66.0.
ISC V 27 15 28 11.9–.84 37.49N–.03 38.58E–.02 16–6 41 0-2
ISCJB V 27 15 28 11.3–.51 37.40N–.04 38.66E–.04 21–5 **¶13840094**
NSSC V 27 15 28 11.2–2.7 37.52N 39.07E 0–26 2.7L,1.6
DDA V 27 15 28 11.9 37.51N 38.58E 7 3.4L,1.6
ISK V 27 15 28 11.3 37.54N 38.56E 4 3.0,1.6
CSEM V 27 15 28 12.1–.27 37.45N 38.68E 20 3.0,1.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=17.7.
NSSC Error ellipse: s-maj=36.4km s-min=16.2km az=-1.0.
DDA Event type ke.
CSEM Event type ke.
ISC V 27 16 05 36.8–1.2 41.36N–.04 35.86E–.04 12 24 0-2
ISK V 27 16 05 34.7 41.49N 36.05E 8 2.6 **¶13840096**
ISCJB V 27 16 05 37.3–1.0 41.38N–.05 35.87E–.07 12 2.6
CSEM V 27 16 05 37.5–.38 41.35N 35.84E 5 2.6
DDA V 27 16 05 41.1 40.92N 35.82E 6 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.9km az=139.5.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=4.5km az=40.0.

DDA Event type ke.
ISC V 27 20 28 05.0–1.1 38.62N–.02 42.66E–.02 4–8 3.2b 164 0-44
NSSC V 27 20 28 00.5–1.9 38.58N 43.21E 0–200 3.3L,2.2 **¶13679764**
ISK V 27 20 28 03.5 38.57N 42.64E 3 4.0L,2.2
DDA V 27 20 28 04.4 38.66N 42.68E 17 4.1L,2.2
ISCJB V 27 20 28 04.7–.55 38.61N–.02 42.64E–.03 4–4 3.1b,2.2
CSEM V 27 20 28 05.0–.15 38.62N 42.71E 5 4.1L,2.2
IDC V 27 20 28 07.1–1.1 38.54N 42.78E 0 3.3,3.3
ISC Event type ke.
NSSC Error ellipse: s-maj=190.6km s-min=285.7km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=37.7.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=115.0.
IDC Error ellipse: s-maj=25.4km s-min=12.4km az=137.0.
ISC V 27 20 37 43.4–1.1 40.71N–.02 35.26E–.02 18–4 57 0-2
DDA V 27 20 37 42.9 40.74N 35.24E 18 2.9 **¶13840099**
ISK V 27 20 37 42.9 40.73N 35.24E 18 2.8
ISCJB V 27 20 37 43.3–.52 40.71N–.03 35.26E–.03 8–5 2.8
CSEM V 27 20 37 43.2–.19 40.70N 35.27E 10 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=162.9.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=153.0.
ISC V 27 20 56 59.9–1.1 37.02N–.04 27.81E–.03 23–9 34 0-2
ISCJB V 27 20 56 60.0–.85 36.97N–.05 27.79E–.04 12–5 **¶13840100**
ISK V 27 20 56 59.2 37.02N 27.77E 24 2.4
DDA V 27 20 56 59.6 36.98N 27.83E 6 2.7
CSEM V 27 20 56 59.9–.26 36.97N 27.78E 15 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.7km az=16.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=25.0.
ISC V 28 00 13 22.3–1.1 37.70N–.02 38.28E–.03 5–10 42 0-2
ISK V 28 00 13 21.2 37.67N 38.28E 6 2.8 **¶13840106**
DDA V 28 00 13 22.2 37.70N 38.28E 7 3.2
CSEM V 28 00 13 22.0–.21 37.69N 38.28E 5 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=133.0.
ISC V 28 04 03 30.1–.92 40.03N–.03 27.42E–.03 12–8 38 0-2
ISCJB V 28 04 03 29.7–.54 40.03N–.03 27.41E–.04 7–6 **¶13840109**
ISK V 28 04 03 29.7 40.05N 27.42E 10 2.6
CSEM V 28 04 03 29.8–.10 40.02N 27.41E 10 2.6
DDA V 28 04 03 30.0 40.02N 27.43E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=43.4.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.5km az=39.0.
DDA Event type ke.
ISC V 28 05 13 03.0–.89 39.79N–.02 41.37E–.02 12–6 50 0-2
ISK V 28 05 13 01.8 39.77N 41.34E 3 3.0 **¶13840110**
ISCJB V 28 05 13 02.6–.53 39.79N–.02 41.36E–.04 5–5 3.0
DDA V 28 05 13 02.4 39.81N 41.35E 7 3.4L
CSEM V 28 05 13 02.4–.16 39.80N 41.38E 2 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=9.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=38.0.
ISC V 28 05 14 51.8–1.1 40.76N–.04 37.80E–.02 9–12 39 1-2
ISK V 28 05 14 50.8 40.79N 37.77E 8 2.8 **¶13840111**
ISCJB V 28 05 14 51.3–.77 40.78N–.04 37.80E–.03 6–6 2.8
DDA V 28 05 14 51.7 40.73N 37.85E 7 3.0
CSEM V 28 05 14 51.8–.14 40.75N 37.81E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.1km az=6.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.2km az=4.0.
ISC V 28 05 42 28.4–.88 37.22N–.03 28.20E–.02 8–7 38 0-2
ISK V 28 05 42 27.2 37.26N 28.21E 3 2.5 **¶13840112**
DDA V 28 05 42 28.7 37.23N 28.22E 11 2.8
CSEM V 28 05 42 28.5–.18 37.21N 28.19E 8 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=21.0.
ISC V 28 07 35 53.8–1.0 37.10N–.03 36.11E–.05 10 24 0-1
CSEM V 28 07 35 50.4–.69 37.15N 35.71E 30 2.6 **¶13840113**
ISK V 28 07 35 50.9 37.05N 35.93E 15 2.6
ISCJB V 28 07 35 51.6–.69 37.07N–.03 35.97E–.06 10 2.6
DDA V 28 07 35 54.6 37.11N 36.19E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=22.5km s-min=9.5km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.6km az=11.4.
DDA Event type ke.
ISC V 28 13 23 21.9–.94 37.95N–.02 27.12E–.04 15–7 35 0-2
ISK V 28 13 23 21.3 37.97N 27.07E 22 2.6 **¶13840116**
DDA V 28 13 23 21.9 37.95N 27.12E 7 2.6
ISCJB V 28 13 23 22.1–.63 37.95N–.03 27.11E–.07 9–7 2.6
CSEM V 28 13 23 22.2–.31 37.95N 27.11E 10 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.1km az=157.8.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=4.5km az=75.0.
ISC V 28 13 31 04.8–.86 39.58N–.02 27.61E–.02 14–6 72 0-2
ISCJB V 28 13 31 04.5–.57 39.57N–.03 27.61E–.03 8–4 **¶13840117**
ISK V 28 13 31 04.0 39.56N 27.60E 9 2.8
DDA V 28 13 31 04.3 39.59N 27.63E 15 2.9
CSEM V 28 13 31 04.6–.10 39.58N 27.61E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=38.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=63.0.
ISC V 28 17 01 23.7–1.2 39.46N–.02 26.13E–.04 13–10 46 0-2
ISK V 28 17 01 23.6 39.48N 26.10E 15 2.8 **¶13840118**
ATH V 28 17 01 23.9 39.47N 26.20E 20–1 2.9
DDA V 28 17 01 23.9 39.44N 26.17E 7 2.8
ISCJB V 28 17 01 24.0–.82 39.46N–.03 26.12E–.05 12–5 2.8
CSEM V 28 17 01 24.3–.12 39.45N 26.11E 15 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.1km az=168.6.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.2km az=78.0.
ISC V 28 17 22 59.6–1.1 39.28N–.03 36.31E–.02 9–11 39 1-2
ISK V 28 17 22 57.4 39.30N 36.40E 8 2.8 **¶13840119**
DDA V 28 17 22 59.5 39.25N 36.36E 10 3.0
CSEM V 28 17 22 59.3–.30 39.26N 36.29E 5 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=6.9km az=168.0.
DDA V 28 17 37 07.4 37.55N 35.70E 7 2.5 ¶15136954
DDA Event type ke.
ISC V 29 00 14 19.7–1.4 37.43N–.03 27.02E–.06 8–11 24 0-1
ISK V 29 00 14 16.6 37.42N 26.78E 12 2.5 **¶13840126**
ISCJB V 29 00 14 18.9–1.3 37.42N–.04 26.88E–.08 10–8 2.5
DDA V 29 00 14 20.0 37.39N 26.98E 7 2.8
CSEM V 29 00 14 19.1–.78 37.42N 26.91E 10 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.1km az=161.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.5km s-min=8.4km az=61.0.
ISC V 29 03 53 02.2–1.1 38.71N–.02 39.48E–.03 9–11 44 0-2

ISK V 29 03 53 00.9 38.69N 39.60E 7 2.7 **¶13840128**
DDA V 29 03 53 01.9 38.71N 39.44E 18 2.8
CSEM V 29 03 53 01.6–.26 38.71N 39.53E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.7km az=104.0.
ISC V 29 15 17 46.5–1.1 39.28N–.03 30.50E–.02 7–10 36 0-1
ISK V 29 15 17 45.2 39.27N 30.50E 2 2.6 **¶13840134**
DDA V 29 15 17 45.2 39.23N 30.55E 7 2.8
CSEM V 29 15 17 46.1–.29 39.27N 30.51E 5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=159.0.
ISC V 29 15 49 42.6–.87 39.38N–.03 33.11E–.02 14–7 54 0-3
ISK V 29 15 49 41.4 39.40N 33.10E 4 3.1 **¶13840135**
DDA V 29 15 49 41.9 39.36N 33.13E 7 3.1
ISCJB V 29 15 49 42.2–.73 39.37N–.03 33.08E–.04 5–6 3.1
CSEM V 29 15 49 42.1–.13 39.38N 33.10E 5 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=136.2.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=157.0.
ISC V 29 16 28 31.5–1.5 38.02N–.03 35.64E–.03 1–13 31 1-2
DDA V 29 16 28 31.8 38.05N 35.62E 7 2.9 **¶13840137**
CSEM V 29 16 28 32.1–.30 38.05N 35.62E 5 2.7
ISK V 29 16 28 32.2 38.02N 35.60E 5 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=6.1km az=77.0.
ISC V 29 19 03 47.1–1.2 38.00N–.03 38.19E–.03 19–3 49 0-2
ISK V 29 19 03 46.4 37.96N 38.17E 5 2.9 **¶13840139**
CSEM V 29 19 03 47.4–.21 37.98N 38.19E 8 2.9
DDA V 29 19 03 47.3 37.99N 38.18E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=131.0.
DDA Event type ke.
ISC V 29 20 50 23.3–1.1 37.65N–.03 36.22E–.02 3–11 35 0-1
ISK V 29 20 50 21.7 37.64N 36.24E 2 2.6 **¶13840140**
CSEM V 29 20 50 22.5–.21 37.69N 36.22E 2 2.9
DDA V 29 20 50 23.9 37.63N 36.31E 6 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=21.0.
DDA Event type ke.
ISC V 30 01 01 11.3–.85 38.47N–.02 27.50E–.01 13–6 193 0-3
ISCJB V 30 01 01 10.6–.48 38.47N–.02 27.52E–.02 8–4 **¶13840144**
ISK V 30 01 01 10.5 38.46N 27.48E 16 3.5,3.3L
THE V 30 01 01 10.5 38.47N 27.54E 0–1 3.1L,3.3L
DDA V 30 01 01 10.6 38.48N 27.53E 14 3.3,3.3L
CSEM V 30 01 01 10.9–.08 38.46N 27.50E 10 3.5,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=140.6.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=49.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=113.0.
ISK V 30 08 58 58.2 37.28N 28.24E 7 2.7
DDA V 30 08 58 59.0 37.24N 28.17E 7 2.8 **¶13840155**
CSEM V 30 08 58 59.0–.16 37.23N 28.24E 12 2.7
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=33.0.
DDA V 30 11 39 59.6 37.42N 28.08E 7 2.5
¶15137040
DDA Event type ke.
ISC V 30 20 44 50.2–1.0 37.95N–.02 27.15E–.02 12–9 79 0-3
ATH V 30 20 44 48.5 37.88N 27.18E 21–9 3.0 **¶13840164**
ISCJB V 30 20 44 50.0–.55 37.93N–.03 27.09E–.03 6–4 3.0
ISK V 30 20 44 49.4 37.95N 27.06E 5 3.0
DDA V 30 20 44 50.5 37.97N 27.16E 7 2.9
CSEM V 30 20 44 50.3–.24 37.94N 27.07E 10 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=4.6km s-min=14.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=137.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=56.0.
ISC V 30 23 14 52.5–.83 39.14N–.03 29.00E–.03 9 46 0-2
ISK V 30 23 14 51.6 39.14N 29.00E 8 2.8 **¶13840166**
ISCJB V 30 23 14 52.2–.46 39.14N–.04 29.03E–.03 9 2.8
DDA V 30 23 14 52.4 39.11N 29.00E 7 2.9
CSEM V 30 23 14 52.3–.10 39.14N 29.01E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=2.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=16.0.
ISC V 31 11 18 56.2–.85 38.36N–.02 27.26E–.02 10–6 57 0-2
DDA V 31 11 18 56.0 38.34N 27.30E 15 2.8 **¶13840181**
ISCJB V 31 11 18 56.3–.50 38.35N–.03 27.30E–.04 7–5 2.8
ISK V 31 11 18 56.0 38.39N 27.26E 8 2.8
CSEM V 31 11 18 56.3–.10 38.36N 27.27E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=98.0.
ISC V 31 15 00 23.4–1.0 39.13N–.02 29.07E–.02 5–11 100 0-2
ISK V 31 15 00 21.7 39.12N 29.04E 5 2.9 **¶13840183**
DDA V 31 15 00 22.9 39.12N 29.06E 8 2.9
CSEM V 31 15 00 23.2–.08 39.13N 29.07E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=48.0.
ISC V 31 15 25 04.6–.82 40.48N–.02 29.14E–.01 7–5 216 0-7
THE V 31 15 25 01.9 40.65N 29.45E 0–4 3.7L **¶13840184**
ISCJB V 31 15 25 03.6–.30 40.50N–.02 29.14E–.02 5–3 3.7L
ISK V 31 15 25 03.4 40.49N 29.14E 5 3.5L
DDA V 31 15 25 03.8 40.47N 29.17E 12 3.3
CSEM V 31 15 25 04.1–.09 40.48N 29.15E 5 3.5L
SOF V 31 15 25 04.3 40.65N 28.96E 9 3.6
ATH V 31 15 25 27.5 40.35N 27.02E 44 3.7
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=8.1km s-min=2.9km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=135.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=39.0.
ATH Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0.
ISC V 31 19 37 59.6–1.1 39.72N–.02 38.88E–.02 2–10 83 0-4
ISCJB V 31 19 37 59.8–.47 39.74N–.02 38.88E–.03 3–5 **¶13840188**
ISK V 31 19 37 59.4 39.75N 38.87E 5 3.6
DDA V 31 19 37 59.1 39.72N 38.90E 3 3.1
CSEM V 31 19 38 00.0–.14 39.74N 38.89E 2 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=21.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=111.0.
ISC VI 01 01 56 48.7–.89 37.54N–.03 36.14E–.02 12–6 38 0-3
DDA VI 01 01 56 48.2 37.58N 36.17E 8 3.1 **¶13840193**
ISCJB VI 01 01 56 49.0–.57 37.50N–.04 36.12E–.03 1–6 3.1
CSEM VI 01 01 56 49.4–.33 37.53N 36.09E 2 3.1
ISK VI 01 01 56 49.1 37.53N 36.10E 5 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.9km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=6.2km az=179.0.
ISC VI 01 02 47 06.9–1.3 40.07N–.03 27.78E–.04 15–8 28 0-1

ISK VI 01 02 47 05.9 40.06N 27.77E 18 2.1 **¶13840194**
ISCJB VI 01 02 47 06.7–.86 40.09N–.04 27.79E–.07 11–8 2.1
DDA VI 01 02 47 06.6 40.09N 27.76E 7 2.8
CSEM VI 01 02 47 06.5–.10 40.07N 27.77E 15 2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.3km az=26.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=117.0.
ISC VI 01 03 52 13.6–.92 39.12N–.02 29.06E–.02 10–9 91 0-2
ISCJB VI 01 03 52 13.0–.42 39.13N–.02 29.06E–.03 1–4 **¶13840195**
DDA VI 01 03 52 12.8 39.13N 29.06E 16 3.1
ISK VI 01 03 52 12.8 39.12N 29.05E 5 2.9
CSEM VI 01 03 52 13.3–.07 39.12N 29.05E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=179.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=43.0.
ISC VI 01 06 09 37.5–1.4 39.29N–.03 27.93E–.03 8–12 44 1-2
ISK VI 01 06 09 36.8 39.28N 27.95E 7 2.9 **¶13840197**
ISCJB VI 01 06 09 37.1–.60 39.27N–.03 27.89E–.05 5–6 2.9
DDA VI 01 06 09 38.0 39.30N 27.96E 7 2.8
CSEM VI 01 06 09 37.5–.14 39.28N 27.91E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.0km az=143.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=61.0.
ISC VI 01 09 53 05.9–.88 39.46N–.03 28.15E–.03 11 51 0-2
DDA VI 01 09 53 05.8 39.47N 28.15E 7 2.9 **¶13840202**
CSEM VI 01 09 53 05.9–.13 39.47N 28.16E 5 2.8
ISCJB VI 01 09 53 06.2–.40 39.48N–.03 28.16E–.04 11 2.8
ISK VI 01 09 53 06.2 39.51N 28.13E 6 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=37.3.
ISC VI 01 10 37 13.4–2.0 37.2N–.10 37.21E–.03 4–14 12 0-1
ISK VI 01 10 37 12.1 37.15N 37.22E 5 2.6 **¶13840205**
CSEM VI 01 10 37 12.6–3.5 37.11N 37.21E 2 2.6
DDA VI 01 10 37 13.1 37.17N 37.20E 7 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=114.7km s-min=20.8km az=23.0.
DDA Event type ke.
ISC VI 01 11 07 23.6–1.2 39.87N–.03 40.56E–.03 5–11 32 0-2
CSEM VI 01 11 07 23.6–.34 39.87N 40.47E 2 3.1 **¶13840206**
ISK VI 01 11 07 23.1 39.91N 40.49E 4 2.9
DDA VI 01 11 07 24.2 39.98N 40.51E 5 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=7.6km az=6.0.
DDA Event type ke.
ISC VI 01 11 10 09.7–1.1 38.28N–.03 29.71E–.04 8–8 32 0-2
DDA VI 01 11 10 09.9 38.30N 29.70E 7 2.9 **¶13840207**
ISK VI 01 11 10 09.6 38.29N 29.69E 5 2.6
ISCJB VI 01 11 10 10.4–.79 38.30N–.04 29.70E–.05 6–6 2.6
CSEM VI 01 11 10 10.2–.26 38.28N 29.70E 5 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=6.3km az=31.4.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.9km az=123.0.
ISC VI 01 11 32 50.4–2.5 38.2N–.20 38.59E–.06 10–11 18 0-1
ISCJB VI 01 11 32 48.3–2.3 38.1N–.20 38.61E–.06 6–11 **¶13840208**
CSEM VI 01 11 32 49.8–.56 38.26N 38.57E 15 2.5
DDA VI 01 11 32 50.3 38.31N 38.57E 7 2.4
ISK VI 01 11 32 50.7 38.46N 38.47E 5 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.1km s-min=6.7km az=169.0.
CSEM Event type ke. Error ellipse: s-maj=16.5km s-min=3.9km az=165.0.
DDA Event type ke.
ISC VI 01 11 47 49.9–.91 37.22N–.03 28.19E–.03 10–7 30 0-1
ISK VI 01 11 47 48.6 37.27N 28.18E 2 2.5 **¶13840209**
ISCJB VI 01 11 47 49.8–.52 37.23N–.05 28.20E–.04 8–7 2.5
CSEM VI 01 11 47 50.0–.21 37.22N 28.20E 10 2.5
DDA VI 01 11 47 50.1 37.21N 28.27E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.6km az=29.7.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=29.0.
DDA Event type ke.
ISC VI 01 12 04 15.4–1.1 38.69N–.02 39.92E–.02 11–10 56 0-2
DDA VI 01 12 04 14.6 38.73N 39.98E 8 2.9 **¶13840211**
ISCJB VI 01 12 04 15.3–.69 38.70N–.02 39.94E–.03 6–6 2.9
CSEM VI 01 12 04 15.4–.19 38.71N 39.88E 5 3.0
ISK VI 01 12 04 15.3 38.70N 39.90E 6 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=145.9.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=64.0.
ISK VI 01 12 36 20.1 37.00N 38.62E 6 2.9
¶13840213
ISC VI 01 13 12 43.1–1.3 39.42N–.03 37.21E–.02 8–11 45 1-3
DDA VI 01 13 12 42.8 39.43N 37.18E 17 2.8 **¶13840215**
CSEM VI 01 13 12 43.6–.20 39.36N 37.23E 2 3.1
ISK VI 01 13 12 43.3 39.39N 37.23E 9 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=174.0.
ISC VI 01 18 04 10.6–1.0 40.16N–.03 27.27E–.03 9–10 54 0-2
ISK VI 01 18 04 09.9 40.17N 27.27E 5 2.3 **¶13840229**
ISCJB VI 01 18 04 10.0–.54 40.15N–.03 27.25E–.04 5–5 2.3
DDA VI 01 18 04 10.3 40.17N 27.27E 7 2.6
CSEM VI 01 18 04 10.4–.15 40.15N 27.27E 5 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=136.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.0km az=49.0.
ISC VI 01 21 31 31.4–.83 38.35N–.02 27.28E–.02 9–6 138 0-4
DDA VI 01 21 31 30.9 38.35N 27.30E 17 3.1 **¶13840230**
ISK VI 01 21 31 31.6 38.36N 27.25E 2 3.4
ISCJB VI 01 21 31 31.9–.45 38.35N–.02 27.27E–.02 6–3 3.4
ATH VI 01 21 31 32.7 38.27N 27.18E 40–2 3.4
CSEM VI 01 21 31 32.0–.17 38.33N 27.27E 2 3.4
THE VI 01 21 31 33.4 38.27N 27.29E 31–18 2.6L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=32.0.
ATH Error ellipse: s-maj=1.2km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=31.0.
THE Event type ke. Error ellipse: s-maj=18.6km s-min=0.6km az=10.0.
ISC VI 02 02 08 11.9–.94 37.15N–.02 28.06E–.02 8–7 119 0-18
ATH VI 02 02 08 10.6 37.15N 28.22E 28–1 3.5 **¶13840235**
ISK VI 02 02 08 11.7 37.18N 28.10E 10 3.3
ISCJB VI 02 02 08 11.9–.39 37.15N–.02 28.07E–.02 12–3 3.3
THE VI 02 02 08 12.9 37.16N 28.08E 10–5 2.7L
DDA VI 02 02 08 12.0 37.19N 28.06E 7 3.0
CSEM VI 02 02 08 12.0–.13 37.15N 28.08E 10 3.3
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=34.6.
THE Event type ke. Error ellipse: s-maj=5.2km s-min=1.5km az=96.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=2.0.
ISC VI 02 02 34 39.9–.84 40.61N–.02 29.02E–.02 10–6 92 0-2
ISK VI 02 02 34 38.9 40.63N 29.03E 4 2.9 **¶13840236**

ISCJB VI 02 02 34 39.5–.32 40.62N–.02 29.02E–.03 5–4 2.9
CSEM VI 02 02 34 39.7–.10 40.62N 29.03E 5 2.9
DDA VI 02 02 34 39.7 40.59N 29.02E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=159.9.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=69.0.
DDA Event type ke.
ISC VI 02 10 10 03.1–1.3 37.03N–.03 29.13E–.03 3–11 31 0-1
ISCJB VI 02 10 10 03.9–.67 36.96N–.04 29.16E–.05 13–7 ¶13840247
ISK VI 02 10 10 03.5 36.94N 29.20E 5 2.4
CSEM VI 02 10 10 03.7–.34 36.99N 29.16E 12 2.4
DDA VI 02 10 10 03.1 37.00N 29.13E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.3km az=30.7.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=6.6km az=49.0.
DDA Event type ke.
DDA VI 02 10 22 20.3 37.67N 36.35E 5 2.9
CSEM VI 02 10 22 20.3 37.67N 36.35E 5 2.9 ¶15137096
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VI 02 10 47 32.4–1.0 38.51N–.03 43.43E–.05 9–5 23 0-2
ISK VI 02 10 47 29.4 38.41N 43.43E 2 2.5 ¶13840249
DDA VI 02 10 47 30.0 38.63N 43.51E 16 3.1
CSEM VI 02 10 47 31.6–.37 38.51N 43.46E 10 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=7.7km az=102.0.
DDA VI 02 14 28 09.9 38.83N 27.84E 7 2.8
¶15137091
DDA Event type ke.
ISC VI 02 15 08 23.1–1.1 38.50N–.02 43.23E–.03 3–10 45 0-4
CSEM VI 02 15 08 22.8–.31 38.49N 43.21E 2 3.5 ¶13840255
DDA VI 02 15 08 22.9 38.51N 43.14E 4 3.3
ISK VI 02 15 08 23.5 38.51N 43.33E 5 3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=6.6km az=77.0.
DDA Event type ke.
ISC VI 02 21 07 37.9–.94 37.22N–.03 28.79E–.02 14–9 35 0-1
ISK VI 02 21 07 36.7 37.22N 28.81E 14 2.6 ¶13840257
ISCJB VI 02 21 07 37.7–.51 37.20N–.04 28.78E–.03 4–11 2.6
CSEM VI 02 21 07 37.7–.24 37.20N 28.79E 10 3.0
DDA VI 02 21 07 38.2 37.12N 28.78E 17 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=5.8.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=10.0.
DDA Event type ke.
ISC VI 02 23 11 35.8–.98 37.65N–.03 36.21E–.03 8–7 32 0-1
CSEM VI 02 23 11 34.3–.34 37.83N 36.28E 2 2.8 ¶13840261
ISK VI 02 23 11 35.4 37.64N 36.27E 20 2.8
ISCJB VI 02 23 11 36.2–.59 37.69N–.03 36.24E–.04 6–6 2.8
DDA VI 02 23 11 36.0 37.57N 36.20E 4 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=6.8km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.1km az=40.3.
DDA Event type ke.
ISC VI 03 00 30 10.3–.96 38.35N–.03 27.29E–.03 6–8 44 0-3
ISK VI 03 00 30 08.0 38.23N 27.24E 5 2.8 ¶13840266
ISCJB VI 03 00 30 10.2–.67 38.35N–.04 27.31E–.04 2–7 2.8
CSEM VI 03 00 30 10.6–.25 38.35N 27.30E 2 2.8
DDA VI 03 00 30 10.4 38.37N 27.33E 9 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.7km az=28.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=24.0.
DDA Event type ke.
ISC VI 03 02 53 05.3–1.2 40.68N–.02 32.81E–.02 4–12 67 1-3
CSEM VI 03 02 53 04.9–.10 40.68N 32.79E 2 2.9 ¶13840269
ISK VI 03 02 53 04.6 40.68N 32.80E 5 3.2
DDA VI 03 02 53 04.9 40.67N 32.85E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=153.0.
DDA Event type ke.
ISC VI 03 03 01 32.7–1.1 40.67N–.02 32.74E–.02 6–10 87 1-4
ISK VI 03 03 01 31.9 40.67N 32.72E 4 3.5 ¶13840270
ISCJB VI 03 03 01 32.1–.57 40.68N–.02 32.74E–.03 3–5 3.5
CSEM VI 03 03 01 32.4–.13 40.69N 32.73E 2 3.6
DDA VI 03 03 01 33.1 40.65N 32.86E 24 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.7km az=161.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=153.0.
DDA Event type ke.
ISC VI 03 07 00 55.2–1.1 37.21N–.07 28.21E–.05 19–2 18 0-1
ISK VI 03 07 00 54.9 37.20N 28.19E 19 2.0 ¶13840273
ISCJB VI 03 07 00 55.4–1.1 37.20N–.08 28.21E–.09 20–11 2.0
CSEM VI 03 07 00 55.1–.13 37.20N 28.22E 20 2.0
DDA VI 03 07 00 55.5 37.21N 28.14E 6 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=6.4km az=41.2.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=2.4km az=38.0.
DDA Event type ke.
ISC VI 03 08 13 35.2–.90 37.89N–.02 29.19E–.03 12–8 38 0-2
DDA VI 03 08 13 34.6 37.89N 29.21E 11 2.5 ¶15137121
ISCJB VI 03 08 13 35.5–.54 37.88N–.03 29.20E–.05 14–4 2.5
CSEM VI 03 08 13 36.0–.33 37.91N 29.16E 2 2.5
ISK VI 03 08 13 36.0 37.87N 29.22E 5 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=20.5.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=4.7km az=112.0.
ISC VI 03 08 22 16.9–.87 39.13N–.02 29.04E–.02 16–7 47 0-2
DDA VI 03 08 22 16.3 39.10N 29.04E 8 2.5 ¶13840275
ISK VI 03 08 22 16.8 39.12N 29.03E 8 2.7
ISCJB VI 03 08 22 17.1–.44 39.13N–.03 29.04E–.03 6–6 2.7
CSEM VI 03 08 22 17.3–.09 39.14N 29.04E 5 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.5km az=0.5.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=83.0.
ISC VI 03 09 46 33.6–.94 38.00N–.02 29.25E–.03 15–9 44 0-1
DDA VI 03 09 46 33.0 37.99N 29.27E 9 2.7 ¶13840279
ISCJB VI 03 09 46 33.4–.47 37.99N–.03 29.27E–.05 10–4 2.7
CSEM VI 03 09 46 33.3–.13 37.99N 29.26E 10 2.6
ISK VI 03 09 46 33.3 38.00N 29.27E 5 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.5km az=24.7.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=113.0.
ISC VI 03 11 00 56.3–.91 37.85N–.02 29.25E–.03 12–7 51 0-2
ISCJB VI 03 11 00 55.8–.48 37.84N–.03 29.27E–.04 6–5 ¶13840287
ISK VI 03 11 00 55.0 37.85N 29.25E 8 2.8
DDA VI 03 11 00 56.7 37.89N 29.20E 9 2.8
CSEM VI 03 11 00 56.0–.15 37.85N 29.25E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=29.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=117.0.
ISC VI 03 11 21 50.4–1.1 37.87N–.06 29.24E–.09 11 22 0-1
DDA VI 03 11 21 49.6 37.86N 29.25E 7 2.5 ¶13840288
ISCJB VI 03 11 21 50.3–1.0 37.87N–.07 29.3E–.10 11 2.5
CSEM VI 03 11 21 50.3–.45 37.86N 29.27E 2 2.5
ISK VI 03 11 21 50.1 37.92N 29.27E 5 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=4.0km az=37.1.
CSEM Event type ke. Error ellipse: s-maj=14.0km s-min=4.9km az=127.0.
ISC VI 03 12 32 00.2–.91 38.24N–.06 38.28E–.03 14–7 20 0-1
CSEM VI 03 12 31 57.4–.35 38.10N 38.18E 20 2.5 ¶13840292
DDA VI 03 12 31 59.6 38.23N 38.26E 7 2.5
ISCJB VI 03 12 32 00.9–.66 38.26N–.06 38.30E–.05 16–10 2.5
ISK VI 03 12 32 00.5 38.44N 38.29E 5 2.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=6.7km az=139.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.8km az=152.6.
ISC VI 03 12 40 14.1–.95 37.88N–.02 29.25E–.03 9–10 51 0-2
DDA VI 03 12 40 13.8 37.88N 29.21E 7 2.8 ¶13840293
ISCJB VI 03 12 40 14.0–.47 37.89N–.02 29.24E–.04 4–5 2.8
ISK VI 03 12 40 14.1 37.88N 29.27E 8 2.7
CSEM VI 03 12 40 14.0–.12 37.89N 29.26E 5 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.6km az=21.1.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=118.0.
ISC VI 03 12 45 50.2–1.1 38.68N–.03 38.15E–.02 10–12 36 0-2
ISK VI 03 12 45 48.6 38.74N 38.14E 5 3.0 ¶13840294
DDA VI 03 12 45 49.9 38.67N 38.13E 7 2.9
CSEM VI 03 12 45 50.3–.32 38.69N 38.20E 10 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=7.1km az=160.0.
ISC VI 03 13 05 48.8–1.6 36.21N–.07 29.19E–.04 13–10 31 0-2
ISCJB VI 03 13 05 48.5–1.3 36.15N–.06 29.11E–.06 9–7 ¶13840296
ISK VI 03 13 05 48.4 36.21N 29.21E 18 2.7
DDA VI 03 13 05 49.3 36.34N 29.12E 8 2.9
CSEM VI 03 13 05 49.6–.33 36.24N 29.24E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=7.2km az=22.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.5km az=8.0.
ISC VI 03 13 15 26.4–1.6 36.22N–.07 29.11E–.05 7–10 24 0-1
ISCJB VI 03 13 15 26.1–1.4 36.19N–.07 29.09E–.07 6–8 ¶13840298
DDA VI 03 13 15 26.5 36.28N 29.06E 7 2.8
ISK VI 03 13 15 26.9 36.28N 29.13E 9 2.5
CSEM VI 03 13 15 26.9–.45 36.25N 29.23E 15 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=7.4km az=29.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=6.2km az=19.0.
ISC VI 03 13 20 20.3–.88 39.47N–.03 33.03E–.03 7–5 40 0-2
ISCJB VI 03 13 20 19.9–.66 39.48N–.04 32.98E–.04 4–5 ¶13840299
DDA VI 03 13 20 19.4 39.49N 32.97E 2 2.8
ISK VI 03 13 20 19.7 39.45N 33.01E 6 2.7
CSEM VI 03 13 20 19.8–.18 39.47N 33.00E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.6km az=141.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=142.0.
ISC VI 03 14 57 01.5–.98 37.85N–.02 27.53E–.02 8–11 40 0-2
ISK VI 03 14 57 00.9 37.86N 27.57E 4 2.8 ¶13840301
ISCJB VI 03 14 57 01.3–.59 37.85N–.03 27.54E–.04 1–8 2.8
CSEM VI 03 14 57 01.6–.21 37.84N 27.54E 2 3.0
DDA VI 03 14 57 01.2 37.85N 27.52E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.6km az=164.2.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.3km az=92.0.
DDA Event type ke.
ISC VI 03 22 30 07.0–.92 39.12N–.03 41.01E–.03 17–8 32 0-2
CSEM VI 03 22 30 05.8–.37 39.04N 41.02E 2 2.9 ¶13840305
ISK VI 03 22 30 06.4 39.08N 41.10E 15 2.9
DDA VI 03 22 30 07.7 39.13N 41.05E 18 3.0
ISCJB VI 03 22 30 08.3–.46 39.12N–.03 40.99E–.04 17–7 3.0
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VI 03 23 37 45.6–.81 39.80N–.02 26.04E–.02 13–5 193 0-7
BEO VI 03 23 37 27.0–4.5 38.63N 27.05E 0 ¶13840306
ISCJB VI 03 23 37 44.9–.35 39.82N–.02 25.99E–.02 8–2
CSEM VI 03 23 37 45.3–.11 39.82N 26.02E 5 3.2
DDA VI 03 23 37 45.5 39.76N 26.16E 5 3.2
ATH VI 03 23 37 45.4 39.79N 26.05E 21–1 3.0
THE VI 03 23 37 46.4 39.76N 26.00E 14–1 2.8L
ISK VI 03 23 37 46.1 39.89N 26.12E 8 3.2
SOF VI 03 23 37 50.7 40.31N 25.77E 8 2.5
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=144.6.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=46.0.
DDA Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=1.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=232.0.
ISC VI 04 06 07 31.3–1.0 37.89N–.02 29.32E–.03 10–9 51 0-2
ISK VI 04 06 07 30.9 37.93N 29.33E 13 2.8 ¶13840310
ISCJB VI 04 06 07 31.9–.49 37.89N–.02 29.27E–.04 10–5 2.8
CSEM VI 04 06 07 31.6–.20 37.88N 29.31E 10 2.8
DDA VI 04 06 07 32.6 37.89N 29.20E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=10.5.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=105.0.
DDA Event type ke.
DDA VI 04 11 08 30.4 40.28N 28.32E 27 2.6
CSEM VI 04 11 08 30.5 40.28N 28.32E 27 2.6 ¶15137151
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VI 04 11 08 58.2–1.1 37.26N–.03 28.18E–.03 18–4 36 0-2
ISK VI 04 11 08 56.0 37.43N 28.25E 9 2.6 ¶13840315
CSEM VI 04 11 08 56.0 37.43N 28.25E 9 2.6
ISCJB VI 04 11 08 59.2–.51 37.20N–.04 28.19E–.04 11–7 2.6
ISC Event type ke.
CSEM Event type ke. After ISK.
ISCJB Event type ke.
ISC VI 04 13 02 14.8–.84 36.98N–.02 35.91E–.02 12–5 3.9b,3.1s 329 0-79
IDC VI 04 13 02 12.4–.69 36.98N 35.75E 0 4.1,4.0 ¶12952828
MOS VI 04 13 02 12.9–1.2 37.02N 35.78E 10 4.2b,4.0
DDA VI 04 13 02 13.6 36.96N 35.87E 29 4.1L,4.0
CSEM VI 04 13 02 14.9–.09 37.00N 35.91E 10 4.1b,3.8W
ISK VI 04 13 02 14.0 36.98N 35.92E 17 3.9L,3.8W
ISCJB VI 04 13 02 14.9–.26 36.98N–.01 35.89E–.02 22–2 3.9b,3.2s
NSSC VI 04 13 02 16.3–1.7 36.89N 36.13E 7–9 3.8L,3.2s
NIC VI 04 13 02 19.0–.20 37.30N 34.62E 10 4.4b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=14.3km az=94.0.
MOS Error ellipse: s-maj=10.8km s-min=7.2km az=79.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=4.8.
NSSC Error ellipse: s-maj=7.0km s-min=8.9km az=-1.0.
NIC Moment Tensor Solution. $M_0 5.00000 \times 10^{14}$
ISC VI 04 16 37 50.4–.83 37.50N–.03 35.70E–.02 15–5 46 0-3
ISK VI 04 16 37 49.8 37.49N 35.68E 16 3.0 ¶13840317
DDA VI 04 16 37 50.0 37.57N 35.72E 7 2.8
ISCJB VI 04 16 37 50.3–.47 37.51N–.03 35.70E–.03 10–4 2.8
CSEM VI 04 16 37 50.5–.12 37.51N 35.69E 12 3.0

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=10.5.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=11.0.
ISC VI 04 18 57 58.3–.86 38.50N–.03 39.17E–.02 13–6 37 0-2
ISCJB VI 04 18 57 58.5–.54 38.51N–.03 39.17E–.03 8–5 ¶13840318
ISK VI 04 18 57 58.0 38.49N 39.17E 6 2.9
DDA VI 04 18 57 58.0 38.48N 39.16E 17 2.8
CSEM VI 04 18 57 58.3–.35 38.51N 39.17E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=3.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=7.1km az=19.0.
ISC VI 04 20 59 41.6–.98 37.81N–.02 27.54E–.03 12–8 38 0-2
ISK VI 04 20 59 40.0 37.82N 27.56E 5 3.0 ¶13840319
ISCJB VI 04 20 59 41.3–.57 37.81N–.03 27.54E–.05 8–6 3.0
DDA VI 04 20 59 41.3 37.83N 27.53E 7 3.1
CSEM VI 04 20 59 41.4–.22 37.81N 27.57E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=169.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=79.0.
ISC VI 05 00 08 46.1–.99 37.87N–.02 27.54E–.02 9–9 50 0-2
ISCJB VI 05 00 08 46.0–.53 37.89N–.03 27.55E–.04 2–7 ¶13840323
DDA VI 05 00 08 46.0 37.85N 27.53E 7 2.9
ISK VI 05 00 08 45.8 37.91N 27.64E 8 2.9
CSEM VI 05 00 08 46.2–.22 37.89N 27.58E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=140.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.1km az=58.0.
ISC VI 05 00 20 10.6–1.1 39.12N–.03 41.76E–.03 5–10 28 1-3
ISCJB VI 05 00 20 10.8–.78 39.13N–.04 41.79E–.05 5–8 ¶13840324
CSEM VI 05 00 20 10.4–.37 39.03N 41.66E 8 3.0
ISK VI 05 00 20 11.9 39.18N 41.68E 24 3.0
DDA VI 05 00 20 12.6 39.06N 41.84E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.8km az=43.9.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=8.0km az=28.0.
DDA Event type ke.
ISC VI 05 03 10 01.7–1.3 37.31N–.02 31.96E–.02 0–14 48 1-2
DDA VI 05 03 10 01.4 37.33N 32.06E 4 3.0 ¶13840327
ISK VI 05 03 10 01.7 37.37N 31.94E 3 3.0
CSEM VI 05 03 10 02.2–.28 37.32N 31.96E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.0km az=142.0.
ISC VI 05 03 16 25.8–1.1 37.34N–.02 31.98E–.02 7–10 110 1-4
DDA VI 05 03 16 24.4 37.34N 32.05E 5 3.3 ¶13840328
ISK VI 05 03 16 26.7 37.43N 31.92E 4 3.5
ISCJB VI 05 03 16 27.1–.74 37.41N–.03 31.92E–.03 4–5 3.5
CSEM VI 05 03 16 27.5–.15 37.43N 31.91E 2 3.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=162.7.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=157.0.
ISC VI 05 03 26 27.1–.93 39.27N–.02 38.93E–.02 12–8 43 0-1
ISCJB VI 05 03 26 26.9–.46 39.26N–.02 38.95E–.03 5–5 ¶13840329
DDA VI 05 03 26 26.4 39.24N 38.97E 7 2.8
ISK VI 05 03 26 26.5 39.29N 38.94E 9 2.8
CSEM VI 05 03 26 27.1–.14 39.27N 38.94E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=25.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=93.0.
ISC VI 05 12 15 33.6–.96 40.26N–.02 28.34E–.02 11–9 68 0-2
ISCJB VI 05 12 15 33.3–.39 40.27N–.03 28.34E–.03 6–4 ¶13840338
ISK VI 05 12 15 33.1 40.26N 28.35E 8 2.5
DDA VI 05 12 15 33.8 40.23N 28.40E 7 2.9
CSEM VI 05 12 15 33.6–.06 40.27N 28.35E 10 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=10.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=7.0.
DDA VI 05 16 22 52.1 39.71N 30.22E 7 2.6
¶15137169
DDA Event type ke.
ISC VI 06 02 06 10.2–.91 39.94N–.02 27.39E–.02 15–9 63 0-2
ISCJB VI 06 02 06 09.9–.44 39.93N–.03 27.38E–.03 7–5 ¶13840346
DDA VI 06 02 06 09.6 39.94N 27.39E 16 2.9
ISK VI 06 02 06 09.7 39.92N 27.39E 10 2.6
CSEM VI 06 02 06 10.2–.11 39.93N 27.39E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=8.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=31.0.
ISC VI 06 04 46 08.7–1.1 37.97N–.02 29.11E–.03 5–10 48 0-2
DDA VI 06 04 46 08.2 37.93N 29.21E 12 3.0 ¶13840351
ISK VI 06 04 46 08.9 37.96N 29.10E 8 2.9
CSEM VI 06 04 46 08.8–.11 37.96N 29.15E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=99.0.
ISC VI 06 07 22 40.5–1.1 39.11N–.02 29.02E–.02 4–10 53 0-2
ISK VI 06 07 22 39.6 39.08N 29.04E 6 2.8 ¶13840355
CSEM VI 06 07 22 40.3–.09 39.11N 29.02E 2 2.8
DDA VI 06 07 22 40.3 39.12N 29.02E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=101.0.
DDA Event type ke.
ISC VI 06 07 36 28.3–1.7 39.23N–.05 41.86E–.04 17–14 17 1-2
DDA VI 06 07 36 29.1 39.07N 41.99E 7 2.9 ¶13840356
CSEM VI 06 07 36 36.6 39.55N 40.96E 10 3.0
ISK VI 06 07 36 36.6 39.55N 40.96E 10 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VI 06 08 47 55.6–.89 39.46N–.04 28.18E–.03 11 39 0-2
ISCJB VI 06 08 47 55.9–.58 39.47N–.05 28.18E–.04 11 ¶13840360
ISK VI 06 08 47 55.7 39.46N 28.15E 19 2.9
CSEM VI 06 08 47 55.9–.15 39.46N 28.17E 15 2.9
DDA VI 06 08 47 57.0 39.49N 28.18E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=23.3.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.6km az=29.0.
DDA Event type ke.
ISC VI 06 11 25 16.8–1.0 39.14N–.03 42.00E–.03 17–9 34 1-6
DDA VI 06 11 25 16.6 39.10N 41.96E 16 3.5 ¶15137194
CSEM VI 06 11 25 16.6 39.10N 41.96E 16 3.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VI 06 11 47 02.8–1.0 39.10N–.02 29.12E–.02 9–11 64 0-2
DDA VI 06 11 47 03.0 39.10N 29.07E 7 2.9 ¶13840366
ISK VI 06 11 47 02.5 39.08N 29.16E 6 2.9
ISCJB VI 06 11 47 03.0–.48 39.10N–.03 29.10E–.03 4–6 2.9
CSEM VI 06 11 47 03.2–.13 39.09N 29.11E 5 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=151.3.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=134.0.

ISC VI 06 12 13 58.6–1.5 38.86N–.05 41.96E–.03 12–12 31 1-3
CSEM VI 06 12 13 57.7–.48 38.81N 41.93E 2 3.3 ¶13840367
ISK VI 06 12 13 59.0 38.90N 41.97E 14 3.3
ISCJB VI 06 12 14 01.0–.79 39.07N–.05 41.90E–.04 3–8 3.3
DDA VI 06 12 14 02.4 39.10N 41.96E 8 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=6.2km az=167.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.2km az=162.5.
DDA Event type ke.
ISC VI 06 16 06 22.0–1.2 39.12N–.03 41.98E–.03 8–10 24 1-6
DDA VI 06 16 06 20.9 39.17N 41.91E 30 3.5 ¶15137187
CSEM VI 06 16 06 20.9 39.17N 41.91E 30 3.5
ISCJB VI 06 16 06 21.6–.79 39.12N–.04 41.94E–.04 3–8 3.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. After DDA.
ISCJB Event type ke.
ISC VI 06 17 26 30.0–1.1 37.91N–.02 30.92E–.02 5–11 84 1-3
DDA VI 06 17 26 28.6 37.89N 30.98E 5 3.4L ¶13840374
ISK VI 06 17 26 29.4 37.92N 30.89E 6 3.3
CSEM VI 06 17 26 29.9–.14 37.93N 30.91E 2 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=114.0.
ISC VI 06 21 06 24.0–1.0 39.06N–.03 41.78E–.02 17–11 44 1-3
ISK VI 06 21 06 22.6 39.04N 41.79E 12 3.0 ¶13840378
ISCJB VI 06 21 06 23.3–.59 39.07N–.03 41.81E–.04 9–6 3.0
DDA VI 06 21 06 23.9 39.09N 41.79E 14 3.1
CSEM VI 06 21 06 23.0–.20 39.05N 41.72E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=31.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=37.0.
ISC VI 06 22 56 38.1–.83 38.98N–.03 29.11E–.04 9 38 0-2
ISK VI 06 22 56 37.7 38.89N 29.36E 5 2.4 ¶13840380
DDA VI 06 22 56 38.7 39.10N 28.99E 7 3.0
ISCJB VI 06 22 56 40.0–.53 39.02N–.03 29.03E–.05 9 3.0
CSEM VI 06 22 56 39.6–.42 39.05N 29.07E 2 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.7km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=8.8km az=98.0.
ISC VI 07 06 27 28.2–.97 38.35N–.03 38.96E–.03 9–8 30 0-2
DDA VI 07 06 27 27.6 38.34N 38.96E 9 2.8 ¶13840390
ISK VI 07 06 27 27.9 38.38N 38.95E 5 2.8
ISCJB VI 07 06 27 28.4–.65 38.37N–.03 38.91E–.04 0–6 2.8
CSEM VI 07 06 27 28.6–.35 38.38N 38.92E 2 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=35.3.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=6.0km az=133.0.
ISC VI 07 08 01 14.2–1.1 37.89N–.02 29.19E–.03 6–11 48 0-2
ISCJB VI 07 08 01 13.7–.61 37.88N–.03 29.21E–.04 0–6 ¶13840392
DDA VI 07 08 01 13.5 37.88N 29.22E 7 3.2
ISK VI 07 08 01 13.6 37.88N 29.19E 4 2.9
CSEM VI 07 08 01 13.8–.09 37.87N 29.21E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=21.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=116.0.
ISC VI 07 08 01 19.1–1.3 40.70N–.02 32.78E–.03 1–12 56 1-4
CSEM VI 07 08 01 19.2–.14 40.69N 32.73E 2 3.1L ¶13840393
ISK VI 07 08 01 19.2 40.68N 32.77E 5 3.1L
DDA VI 07 08 01 20.5 40.69N 32.90E 7 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=119.0.
DDA Event type ke.
ISC VI 07 09 14 13.8–1.0 37.23N–.04 28.20E–.03 12–8 20 0-1
ISK VI 07 09 14 10.9 37.39N 28.29E 5 2.3 ¶13840399
CSEM VI 07 09 14 13.8–.28 37.23N 28.20E 10 2.3
ISCJB VI 07 09 14 14.0–1.3 37.26N–.04 28.24E–.05 4–53 2.3
DDA VI 07 09 14 14.2 37.23N 28.20E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.5km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.5km az=41.7.
DDA Event type ke.
ISC VI 07 09 15 57.5–1.1 37.88N–.02 29.21E–.03 4–11 55 0-2
DDA VI 07 09 15 56.6 37.88N 29.22E 5 2.8 ¶13840400
ISCJB VI 07 09 15 57.3–.45 37.89N–.02 29.19E–.03 2–6 2.8
CSEM VI 07 09 15 57.3–.13 37.88N 29.18E 8 2.7
ISK VI 07 09 15 57.0 37.88N 29.17E 6 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=4.5.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=88.0.
ISC VI 07 09 27 12.7–.95 39.01N–.04 38.91E–.04 10 20 0-1
ISK VI 07 09 27 12.3 39.00N 38.90E 27 2.6 ¶13840401
DDA VI 07 09 27 12.7 39.04N 38.91E 7 2.8
ISCJB VI 07 09 27 13.1–.70 39.04N–.04 38.90E–.05 10 2.8
CSEM VI 07 09 27 13.3–.24 39.02N 38.89E 8 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.9km az=35.6.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=110.0.
ISC VI 07 09 43 07.7–1.1 37.88N–.02 29.24E–.04 7–9 34 0-2
ISCJB VI 07 09 43 07.6–.61 37.88N–.03 29.22E–.05 1–9 ¶13840402
DDA VI 07 09 43 07.1 37.87N 29.23E 8 2.7
CSEM VI 07 09 43 07.4–.16 37.87N 29.26E 2 2.7
ISK VI 07 09 43 07.8 37.88N 29.18E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.3km az=2.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.3km az=104.0.
ISC VI 07 10 04 53.3–.89 38.37N–.03 38.88E–.02 10–7 38 0-2
DDA VI 07 10 04 52.4 38.31N 38.93E 6 2.8 ¶13840403
ISK VI 07 10 04 52.8 38.37N 38.87E 6 2.7
ISCJB VI 07 10 04 53.3–.51 38.38N–.03 38.86E–.04 6–6 2.7
CSEM VI 07 10 04 53.0–.20 38.38N 38.89E 8 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=143.0.
ISC VI 07 12 42 25.9–.97 37.87N–.02 29.25E–.03 9–8 45 0-2
ISCJB VI 07 12 42 25.9–.50 37.87N–.02 29.25E–.04 5–6 ¶13840405
DDA VI 07 12 42 25.4 37.87N 29.22E 6 2.8
ISK VI 07 12 42 25.8 37.88N 29.30E 6 2.8
CSEM VI 07 12 42 25.7–.16 37.87N 29.27E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=13.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=107.0.
ISC VI 07 14 50 23.6–1.1 37.18N–.03 28.17E–.03 10–7 22 0-1
ISK VI 07 14 50 22.7 37.19N 28.13E 5 1.9 ¶13840409
ISCJB VI 07 14 50 23.3–.76 37.17N–.05 28.14E–.05 7–9 1.9
CSEM VI 07 14 50 23.5–.18 37.19N 28.15E 8 2.6
DDA VI 07 14 50 23.5 37.21N 28.14E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.5km az=37.2.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=34.0.
DDA Event type ke.
ISC VI 07 14 51 59.3–.94 37.87N–.02 29.25E–.03 13–7 44 0-2

ISCJB VI 07 14 51 59.5–.51 37.87N–.03 29.25E–.04 9–5 ¶13840410
ISK VI 07 14 51 59.0 37.86N 29.25E 11 2.9
DDA VI 07 14 51 59.4 37.88N 29.23E 7 2.9
CSEM VI 07 14 51 59.3–.11 37.87N 29.25E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=9.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=108.0.
ISC VI 07 16 05 48.2–.92 37.86N–.03 29.23E–.03 12–9 36 0-2
ISCJB VI 07 16 05 48.1–.55 37.86N–.03 29.24E–.05 6–7 ¶13840412
ISK VI 07 16 05 48.2 37.85N 29.22E 9 2.9
DDA VI 07 16 05 48.1 37.87N 29.21E 7 3.0
CSEM VI 07 16 05 48.3–.15 37.85N 29.23E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.8km az=17.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=107.0.
ISC VI 07 16 25 14.8–.89 37.85N–.02 29.20E–.03 16–7 45 0-2
ISCJB VI 07 16 25 15.0–.50 37.87N–.03 29.23E–.04 11–5 ¶13840413
ISK VI 07 16 25 14.9 37.83N 29.11E 27 2.9
CSEM VI 07 16 25 14.7–.19 37.85N 29.22E 12 2.9
DDA VI 07 16 25 15.1 37.87N 29.22E 6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=6.3.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=96.0.
DDA Event type ke.
ISC VI 07 17 21 20.7–1.0 37.90N–.04 29.22E–.03 15–9 26 0-1
ISCJB VI 07 17 21 20.6–.60 37.91N–.03 29.23E–.04 10–9 ¶13840415
DDA VI 07 17 21 20 37.88N 29.24E 9 2.7
ISK VI 07 17 21 20.0 37.94N 29.24E 2 2.7
CSEM VI 07 17 21 20.6–.28 37.91N 29.21E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.8km az=42.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.3km az=148.0.
ISC VI 07 20 05 50.6–1.0 39.28N–.02 27.90E–.02 6–10 91 0-3
DDA VI 07 20 05 49.8 39.29N 27.96E 7 3.0 ¶13840419
ISK VI 07 20 05 49.6 39.29N 27.85E 2 3.2
ISCJB VI 07 20 05 50.3–.48 39.29N–.02 27.92E–.03 0–5 3.2
CSEM VI 07 20 05 50.6–.14 39.29N 27.89E 2 3.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=157.9.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=71.0.
ISC VI 07 21 24 23.1–1.0 37.88N–.02 29.23E–.02 7–11 65 0-2
ISCJB VI 07 21 24 22.2–.59 37.90N–.03 29.23E–.03 2–6 ¶13840423
ISK VI 07 21 24 22.1 37.88N 29.23E 7 3.0
DDA VI 07 21 24 22.2 37.87N 29.22E 10 3.3L
CSEM VI 07 21 24 22.2–.11 37.88N 29.24E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=149.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=91.0.
ISC VI 07 21 50 19.5–.92 37.86N–.02 29.22E–.02 11–7 64 0-2
ISK VI 07 21 50 17.1 37.92N 29.24E 5 3.0 ¶13840424
CSEM VI 07 21 50 18.8–.13 37.85N 29.25E 8 3.0
ISCJB VI 07 21 50 19.1–.51 37.86N–.02 29.24E–.04 7–5 3.0
DDA VI 07 21 50 19.1 37.87N 29.23E 8 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=19.4.
DDA Event type ke.
ISC VI 07 21 59 28.7–.98 37.88N–.03 29.22E–.03 9–9 32 0-1
ISK VI 07 21 59 27.9 37.91N 29.20E 15 2.6 ¶13840425
ISCJB VI 07 21 59 28.5–.57 37.89N–.03 29.22E–.05 12–6 2.6
DDA VI 07 21 59 28.5 37.88N 29.23E 8 2.8L
CSEM VI 07 21 59 28.5–.19 37.88N 29.21E 12 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.2km az=29.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=129.0.
ISC VI 07 23 22 30.8–1.0 37.87N–.02 29.21E–.02 8–10 75 0-2
ISK VI 07 23 22 29.2 37.84N 29.22E 3 3.0 ¶13840427
DDA VI 07 23 22 29.7 37.87N 29.20E 1 3.1
CSEM VI 07 23 22 29.8–.16 37.84N 29.23E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=84.0.
ISC VI 08 01 15 01.1–1.3 39.39N–.04 26.40E–.06 13–8 36 0-2
ISK VI 08 01 15 00.6 39.40N 26.46E 5 3.0 ¶13840432
ISCJB VI 08 01 15 01.0–1.0 39.40N–.04 26.42E–.09 11–5 3.0
DDA VI 08 01 15 01.6 39.39N 26.41E 7 2.7
CSEM VI 08 01 15 01.0–.34 39.38N 26.43E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=5.2km az=152.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=4.0km az=67.0.
ISC VI 08 01 20 08.1–.90 37.89N–.03 29.21E–.03 14–7 40 0-2
ISK VI 08 01 20 07.7 37.92N 29.21E 6 2.8 ¶13840433
ISCJB VI 08 01 20 08.0–.62 37.90N–.03 29.24E–.04 3–6 2.8
CSEM VI 08 01 20 08.2–.11 37.89N 29.22E 8 2.8
DDA VI 08 01 20 08.3 37.87N 29.21E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=23.9.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=125.0.
DDA Event type ke.
ISC VI 08 05 48 18.2–1.0 37.88N–.04 29.21E–.05 18–6 30 0-1
DDA VI 08 05 48 17.5 37.88N 29.23E 7 2.5 ¶13840435
ISK VI 08 05 48 17.6 37.92N 29.16E 24 2.6
CSEM VI 08 05 48 18.2–.40 37.87N 29.21E 2 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=4.6km az=116.0.
ISC VI 08 06 28 26.0–1.1 37.28N–.05 28.30E–.05 12–8 20 0-1
ISK VI 08 06 28 25.6 37.30N 28.28E 8 2.5 ¶13840437
DDA VI 08 06 28 26.8 37.24N 28.21E 7 2.7
CSEM VI 08 06 28 26.4–.20 37.26N 28.27E 15 2.5
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=55.0.
ISC VI 08 06 35 00.4–.98 37.91N–.03 29.22E–.04 17–7 33 0-1
ISCJB VI 08 06 35 00.5–.63 37.91N–.03 29.21E–.05 9–5 ¶13840438
DDA VI 08 06 35 00.2 37.89N 29.19E 7 2.7
CSEM VI 08 06 35 00.2–.29 37.90N 29.23E 15 2.5
ISK VI 08 06 35 00.4 37.93N 29.18E 20 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.0km az=17.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.9km az=107.0.
ISC VI 08 08 42 18.6–1.1 37.28N–.05 28.27E–.04 11–10 20 0-1
ISK VI 08 08 42 17.6 37.31N 28.25E 5 2.5 ¶13840441
ISCJB VI 08 08 42 18.8–.95 37.24N–.06 28.26E–.06 13–6 2.5
CSEM VI 08 08 42 18.7–.33 37.24N 28.28E 15 2.5
DDA VI 08 08 42 19.4 37.19N 28.13E 7 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.2km az=37.1.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.9km az=45.0.
DDA Event type ke.
ISC VI 08 12 18 30.1–.88 39.18N–.03 26.42E–.03 13–6 28 0-2
THE VI 08 12 18 28.7 39.30N 26.41E 22–0 2.1L ¶14305816
DDA VI 08 12 18 29.9 39.20N 26.44E 7 2.7
CSEM VI 08 12 18 29.7–.25 39.21N 26.39E 10 2.1L
ISCJB VI 08 12 18 30.2–.61 39.19N–.04 26.41E–.05 6–7 2.1L
ISC Event type ke.
THE Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VI 08 16 13 35.0–1.0 40.11N–.02 39.47E–.03 5–12 46 0-2
ISK VI 08 16 13 34.1 40.11N 39.49E 5 2.8 ¶13840445
CSEM VI 08 16 13 34.8–.18 40.10N 39.43E 2 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.4km az=123.0.
ISC VI 08 20 43 31.5–.96 39.28N–.02 27.96E–.02 10–8 64 0-2
ISCJB VI 08 20 43 31.2–.45 39.27N–.02 27.96E–.03 2–5 ¶13840448
ISK VI 08 20 43 31.2 39.30N 27.96E 5 2.8
DDA VI 08 20 43 31.0 39.29N 27.96E 7 2.8
CSEM VI 08 20 43 31.6–.10 39.28N 27.97E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=169.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=84.0.
ISC VI 08 23 43 10.1–1.0 37.89N–.02 29.22E–.03 6–10 42 0-2
ISK VI 08 23 43 09.8 37.88N 29.20E 3 2.7 ¶13840450
DDA VI 08 23 43 09.8 37.90N 29.23E 7 2.8
CSEM VI 08 23 43 09.9–.16 37.89N 29.23E 2 2.7
ISCJB VI 08 23 43 10.2–.53 37.89N–.02 29.21E–.04 6–5 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VI 09 00 45 46.6–1.2 37.91N–.02 29.19E–.03 2–14 33 0-1
DDA VI 09 00 45 45.5 37.87N 29.19E 8 2.6 ¶13840453
ISCJB VI 09 00 45 46.2–.56 37.91N–.03 29.18E–.04 5–7 2.6
CSEM VI 09 00 45 46.1–.28 37.91N 29.20E 2 2.5
ISK VI 09 00 45 47.0 37.92N 29.08E 18 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.4km az=117.0.
ISC VI 09 06 00 45.1–1.0 37.25N–.03 28.21E–.03 8–11 37 0-2
ISK VI 09 06 00 43.8 37.25N 28.23E 5 2.6 ¶13840459
DDA VI 09 06 00 44.9 37.26N 28.22E 7 2.8
CSEM VI 09 06 00 44.6–.16 37.24N 28.23E 2 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=27.0.
ISC VI 09 08 24 48.0–1.3 37.72N–.04 38.09E–.03 2–11 24 1-1
CSEM VI 09 08 24 47.9–.22 37.72N 38.10E 2 3.0 ¶13840460
DDA VI 09 08 24 48.4 37.75N 38.02E 7 3.0
ISK VI 09 08 24 48.1 37.47N 38.11E 26 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=166.0.
DDA Event type ke.
ISK VI 09 08 27 19.2 37.20N 27.91E 26 2.2
CSEM VI 09 08 27 19.2 37.20N 27.91E 26 2.2 ¶13840461
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VI 09 08 42 41.4–1.1 37.87N–.04 29.27E–.06 15–8 28 0-2
ISCJB VI 09 08 42 41.5–.96 37.88N–.04 29.27E–.08 10–6 ¶13840462
DDA VI 09 08 42 41.0 37.89N 29.21E 7 2.8
CSEM VI 09 08 42 41.2–.38 37.87N 29.28E 12 2.8
ISK VI 09 08 42 41.1 37.93N 29.29E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=4.8km az=27.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=4.5km az=117.0.
ISK VI 09 08 59 04.7 37.28N 28.19E 5 2.5
CSEM VI 09 08 59 04.7 37.28N 28.19E 5 2.5 ¶13840463
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VI 09 09 42 07.0–1.0 39.91N–.02 28.83E–.02 5–9 58 0-2
ISK VI 09 09 42 05.9 39.89N 28.83E 2 2.8 ¶13840466
ISCJB VI 09 09 42 06.9–.46 39.92N–.02 28.85E–.03 2–6 2.8
DDA VI 09 09 42 06.8 39.91N 28.86E 7 3.0
CSEM VI 09 09 42 06.9–.09 39.91N 28.84E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=34.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=106.0.
ISC VI 09 12 25 13.0–1.2 37.45N–.03 34.53E–.03 2–11 38 0-2
ISK VI 09 12 25 11.7 37.46N 34.45E 4 2.9 ¶13840471
DDA VI 09 12 25 12.2 37.47N 34.55E 5 3.0
CSEM VI 09 12 25 13.2–.32 37.48N 34.60E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=7.7km az=92.0.
ISC VI 09 13 08 06.2–3.2 39.6N–.10 26.0E–.10 14–11 26 0-2
CSEM VI 09 13 08 05.1–.94 39.60N 25.92E 6–3 2.8 ¶13840472
DDA VI 09 13 08 06.4 39.61N 26.07E 7 2.9
ISK VI 09 13 08 06.1 39.66N 25.98E 5 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.5km s-min=7.8km az=52.0.
DDA Event type ke.
ISC VI 09 13 36 42.5–.87 37.20N–.04 28.17E–.03 15–6 27 0-1
ISK VI 09 13 36 41.8 37.20N 28.18E 19 2.6 ¶13840473
ISCJB VI 09 13 36 42.5–.66 37.18N–.05 28.19E–.05 19–8 2.6
DDA VI 09 13 36 42.6 37.20N 28.24E 7 2.7
CSEM VI 09 13 36 42.3–.12 37.18N 28.18E 18–1 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.6km az=34.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=26.0.
ISC VI 09 16 49 12.9–.92 39.92N–.02 39.23E–.03 16–8 42 0-1
CSEM VI 09 16 49 12.8–.15 39.92N 39.24E 5 2.7 ¶13840477
ISK VI 09 16 49 12.1 39.94N 39.23E 5 2.7
DDA VI 09 16 49 12.8 39.89N 39.27E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=107.0.
DDA Event type ke.
ISC VI 09 21 32 39.8–1.1 37.89N–.03 29.21E–.05 12–9 20 0-1
ISCJB VI 09 21 32 39.9–1.2 37.88N–.05 29.25E–.08 18–24 ¶15137257
CSEM VI 09 21 32 39.2 37.87N 29.22E 10 2.7
DDA VI 09 21 32 39.2 37.87N 29.22E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=7.0km az=32.3.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
DDA Event type ke.
ISC VI 09 21 42 44.4–1.0 37.57N–.04 36.15E–.03 13–8 24 0-1
CSEM VI 09 21 42 42.3–.15 37.84N 36.14E 2 2.5 ¶13840481
ISK VI 09 21 42 43.6 37.57N 36.18E 22 2.5
DDA VI 09 21 42 44.6 37.60N 36.16E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=117.0.
DDA Event type ke.
ISC VI 10 04 06 00.6–1.6 39.44N–.06 33.09E–.05 8–7 24 0-2
ISCJB VI 10 04 05 58.0–1.8 39.31N–.09 33.02E–.08 7–10 ¶13840482
ISK VI 10 04 05 59.0 39.48N 33.16E 5 2.5
CSEM VI 10 04 06 01.0–.58 39.47N 33.11E 2 2.5
DDA VI 10 04 06 02.2 39.55N 33.23E 8 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=7.6km az=28.8.
CSEM Event type ke. Error ellipse: s-maj=20.6km s-min=9.2km az=30.0.
DDA Event type ke.

ISC VI 10 09 34 35.6–.87 40.36N–.02 27.53E–.02 13–7 100 0-2
ISCJB VI 10 09 34 35.6–.31 40.36N–.02 27.55E–.03 12–3 ¶13840485
DDA VI 10 09 34 35.5 40.33N 27.51E 19 2.9
ISK VI 10 09 34 35.0 40.34N 27.53E 17 2.9
CSEM VI 10 09 34 35.8–.08 40.36N 27.54E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=160.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=49.0.
ISC VI 10 09 51 57.8–.95 37.89N–.02 29.25E–.03 14–7 56 0-2
ISK VI 10 09 51 57.9 37.87N 29.27E 10 2.9 ¶13840486
ISCJB VI 10 09 51 58.1–.47 37.89N–.02 29.26E–.04 10–4 2.9
DDA VI 10 09 51 58.0 37.88N 29.22E 7 2.8
CSEM VI 10 09 51 58.1–.15 37.86N 29.27E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=22.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=111.0.
ISK VI 10 09 52 11.0 39.54N 29.89E 8 2.9
CSEM VI 10 09 52 11.6–.16 39.54N 29.87E 10 2.9 ¶15055799
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=99.0.
ISC VI 10 11 25 49.0–1.2 37.22N–.03 39.26E–.03 8–10 40 0-2
NSSC VI 10 11 25 46.9–2.1 35.91N 40.65E 124–27 1.9L,1.7 ¶13840493
ISCJB VI 10 11 25 48.4–.79 37.23N–.03 39.30E–.04 3–6 1.9L,1.7
DDA VI 10 11 25 48.5 37.17N 39.25E 30 3.1,1.7
ISK VI 10 11 25 49.8 37.32N 39.18E 5 2.9,1.7
CSEM VI 10 11 25 49.0–.21 37.22N 39.27E 5 2.9,1.7
ISC Event type ke.
NSSC Error ellipse: s-maj=24.2km s-min=31.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=43.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=58.0.
ISC VI 10 13 25 19.1–.99 37.90N–.03 29.19E–.05 14–7 28 0-2
CSEM VI 10 13 25 18.7–.29 37.88N 29.27E 2 2.6 ¶13840501
DDA VI 10 13 25 18.1 37.87N 29.23E 7 2.6
ISK VI 10 13 25 20.2 37.93N 29.04E 8 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=102.0.
DDA Event type ke.
ISC VI 10 13 25 41.5–.97 38.75N–.02 38.16E–.02 14–10 50 0-2
ISK VI 10 13 25 39.8 38.74N 38.14E 5 3.0 ¶13840502
DDA VI 10 13 25 41.1 38.76N 38.15E 7 3.0
CSEM VI 10 13 25 41.8–.22 38.70N 38.21E 5 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.9km az=129.0.
ISC VI 10 13 31 18.6–1.3 39.50N–.03 26.16E–.06 12–11 45 0-2
ISK VI 10 13 31 17.7 39.50N 26.14E 11 3.0 ¶13840503
ISCJB VI 10 13 31 18.1–.94 39.51N–.03 26.10E–.08 10–6 3.0
DDA VI 10 13 31 18.1 39.49N 26.20E 7 2.8
CSEM VI 10 13 31 18.3–.20 39.50N 26.12E 12 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.3km az=174.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.3km az=80.0.
ISC VI 10 13 49 42.2–2.9 37.1N–.10 38.7E–.10 6–13 17 0-2
ISK VI 10 13 49 40.9 37.08N 38.81E 10 2.9 ¶13840505
DDA VI 10 13 49 46.8 37.38N 38.48E 8 2.8
CSEM VI 10 13 49 46.8 37.38N 38.48E 8 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VI 10 14 48 26.2–.94 37.23N–.04 28.24E–.04 13–6 26 0-1
ISK VI 10 14 48 25.2 37.29N 28.28E 7 2.6 ¶13840508
ISCJB VI 10 14 48 26.5–.64 37.22N–.05 28.21E–.06 9–10 2.6
DDA VI 10 14 48 26.3 37.23N 28.18E 7 2.9
CSEM VI 10 14 48 26.5–.15 37.23N 28.23E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=4.4km az=38.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=40.0.
ISC VI 10 14 52 28.0–1.3 38.00N–.03 35.61E–.03 4–12 36 1-2
ISK VI 10 14 52 28.2 38.01N 35.63E 9 2.8 ¶13840509
DDA VI 10 14 52 28.1 38.00N 35.60E 7 2.9
CSEM VI 10 14 52 28.3–.19 38.01N 35.63E 15 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=44.0.
ISC VI 10 15 02 25.7–1.2 38.20N–.07 38.25E–.03 10–8 20 0-1
ISK VI 10 15 02 23.8 38.11N 38.26E 7 2.6 ¶13840513
DDA VI 10 15 02 24.8 38.16N 38.28E 7 2.7
ISCJB VI 10 15 02 25.9–1.3 38.21N–.08 38.26E–.05 6–9 2.7
CSEM VI 10 15 02 25.9–.57 38.30N 38.23E 5 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=5.3km az=159.9.
CSEM Event type ke. Error ellipse: s-maj=18.3km s-min=9.0km az=3.0.
ISC VI 10 16 21 04.0–.92 39.84N–.02 27.84E–.03 9–8 46 0-1
ISK VI 10 16 21 02.9 39.82N 27.89E 12 2.5 ¶13840514
ISCJB VI 10 16 21 03.8–.50 39.85N–.03 27.82E–.04 1–6 2.5
DDA VI 10 16 21 03.8 39.85N 27.80E 7 2.6
CSEM VI 10 16 21 03.8–.17 39.84N 27.81E 5 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=149.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=52.0.
ISC VI 10 16 23 05.8–.93 39.59N–.03 28.83E–.03 13–7 38 0-2
DDA VI 10 16 23 04.8 39.64N 28.87E 7 2.5 ¶13840515
ISCJB VI 10 16 23 05.6–.51 39.57N–.03 28.86E–.05 9–7 2.5
CSEM VI 10 16 23 05.7–.16 39.57N 28.83E 12 2.7
ISK VI 10 16 23 05.7 39.58N 28.84E 14 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.1km az=8.8.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=84.0.
ISC VI 10 16 48 05.3–1.1 37.95N–.04 29.18E–.06 15–9 26 0-1
CSEM VI 10 16 48 02.6–1.2 37.90N 29.49E 15 2.5 ¶13840516
DDA VI 10 16 48 04.8 37.88N 29.22E 6 2.4
ISK VI 10 16 48 08.3 37.91N 28.99E 5 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=26.1km s-min=11.1km az=107.0.
DDA Event type ke.
ISC VI 10 17 04 19.3–1.3 37.86N–.05 29.28E–.08 15–7 32 0-1
ISCJB VI 10 17 04 19.4–.97 37.87N–.04 29.27E–.08 13–6 ¶13840517
CSEM VI 10 17 04 19.0–.39 37.85N 29.31E 15 2.7
DDA VI 10 17 04 19.2 37.88N 29.22E 12 2.5
ISK VI 10 17 04 20.2 37.90N 29.18E 18 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=5.6km az=28.1.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=3.8km az=118.0.
DDA Event type ke.
ISC VI 10 19 07 22.5–1.2 37.93N–.02 32.01E–.04 5–11 29 0-2
DDA VI 10 19 07 21.5 37.91N 32.00E 7 2.9 ¶13840518
ISK VI 10 19 07 22.1 37.87N 32.09E 5 2.6
CSEM VI 10 19 07 23.1–.39 37.92N 32.11E 8 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=6.3km az=73.0.
ISC VI 10 19 52 40.5–1.1 37.95N–.03 32.07E–.04 10–10 31 0-2
ISK VI 10 19 52 39.6 37.94N 32.07E 10 2.9 ¶13840519
CSEM VI 10 19 52 39.9–.12 37.93N 32.06E 8 2.9
DDA VI 10 19 52 40.2 37.95N 32.09E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=59.0.
DDA Event type ke.
ISC VI 10 22 20 43.0–1.2 37.07N–.03 32.22E–.06 6–11 28 1-2
CSEM VI 10 22 20 43.4–.43 37.06N 32.17E 2 3.1 ¶13840520
DDA VI 10 22 20 43.9 37.04N 32.28E 27 3.1
ISK VI 10 22 20 47.0 37.27N 32.28E 4 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=5.0km az=76.0.
DDA Event type ke.
ISC VI 10 23 11 45.2–1.0 39.30N–.02 27.90E–.03 15–10 34 0-1
ISK VI 10 23 11 43.9 39.26N 27.88E 4 2.7 ¶13840521
ISCJB VI 10 23 11 45.0–.79 39.30N–.04 27.89E–.05 11–6 2.7
CSEM VI 10 23 11 45.1–.26 39.29N 27.89E 15 2.7
DDA VI 10 23 11 45.7 39.33N 27.94E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=6.0km az=156.9.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=88.0.
DDA Event type ke.
ISC VI 10 23 16 55.4–.88 39.90N–.03 28.12E–.03 16–8 42 0-1
DDA VI 10 23 16 54.9 39.89N 28.12E 7 2.7 ¶13840522
ISCJB VI 10 23 16 55.3–.44 39.90N–.03 28.12E–.04 10–6 2.7
ISK VI 10 23 16 55.0 39.90N 28.11E 5 2.4
CSEM VI 10 23 16 55.5–.11 39.90N 28.13E 10 2.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=138.7.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=47.0.
ISC VI 11 00 36 17.5–.83 37.01N–.02 35.87E–.02 16–6 45 0-2
DDA VI 11 00 36 16.6 37.00N 35.84E 8 3.0 ¶13840525
ISCJB VI 11 00 36 17.5–.43 37.01N–.02 35.88E–.04 11–4 3.0
ISK VI 11 00 36 17.0 37.01N 35.88E 14 2.9
CSEM VI 11 00 36 17.2–.14 37.01N 35.88E 15 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=174.7.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=82.0.
ISC VI 11 00 48 58.2–1.0 39.22N–.02 41.34E–.03 10–9 57 0-6
CSEM VI 11 00 48 57.7–.14 39.19N 41.34E 2 3.1 ¶13840526
ISK VI 11 00 48 57.5 39.23N 41.32E 6 3.1
ISCJB VI 11 00 48 58.0–.62 39.23N–.02 41.34E–.04 2–5 3.1
DDA VI 11 00 48 58.1 39.20N 41.36E 15 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=23.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=22.6.
DDA Event type ke.
ISC VI 11 02 00 56.0–1.1 39.29N–.02 27.90E–.02 6–10 112 0-3
ISK VI 11 02 00 54.8 39.31N 27.89E 5 3.1 ¶13840528
DDA VI 11 02 00 55.8 39.30N 27.94E 8 3.0
CSEM VI 11 02 00 56.0–.10 39.30N 27.90E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=73.0.
ISC VI 11 05 10 52.5–.81 38.43N–.03 38.98E–.02 13–5 51 0-3
ISK VI 11 05 10 51.6 38.43N 38.99E 8 3.0 ¶13840532
DDA VI 11 05 10 51.2 38.45N 38.99E 21 3.1
CSEM VI 11 05 10 51.9–.18 38.42N 39.02E 8–1 3.1
ISCJB VI 11 05 10 52.5–.44 38.46N–.04 38.96E–.03 11–4 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VI 11 08 07 43.2–.95 40.06N–.03 36.45E–.02 12–9 50 0-2
DDA VI 11 08 07 42.7 40.02N 36.46E 11 2.8 ¶13840534
ISK VI 11 08 07 43.0 40.08N 36.41E 9 2.8
CSEM VI 11 08 07 43.3–.22 40.04N 36.42E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=151.0.
ISC VI 11 09 16 05.6–.88 37.93N–.03 29.07E–.04 12–9 30 0-2
ISK VI 11 09 16 04.8 37.87N 28.92E 20 2.7 ¶13840535
ISCJB VI 11 09 16 05.6–.57 37.94N–.03 29.09E–.06 7–7 2.7
DDA VI 11 09 16 05.4 37.93N 29.08E 11 2.7
CSEM VI 11 09 16 05.4–.15 37.93N 29.07E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.3km az=177.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=89.0.
ISC VI 11 11 55 15.6–.96 37.25N–.03 28.22E–.02 7–9 38 0-2
ISK VI 11 11 55 14.5 37.29N 28.25E 6 2.6 ¶13840538
ISCJB VI 11 11 55 15.4–.49 37.27N–.05 28.24E–.05 4–9 2.6
CSEM VI 11 11 55 15.5–.21 37.26N 28.23E 8 2.6
DDA VI 11 11 55 15.2 37.25N 28.21E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.2km az=41.7.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=35.0.
DDA Event type ke.
ISK VI 11 13 03 41.9 40.93N 26.13E 18 2.4
CSEM VI 11 13 03 41.8–.18 40.94N 26.10E 19–0 2.4 ¶13840544
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=79.0.
ISC VI 11 14 08 02.1–1.1 38.29N–.04 38.73E–.03 9–12 22 0-2
ISK VI 11 14 08 01.3 38.28N 38.73E 7 2.6 ¶13840549
DDA VI 11 14 08 02.2 38.35N 38.69E 7 2.8
CSEM VI 11 14 08 02.1–.35 38.28N 38.73E 2 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=5.9km az=168.0.
ISC VI 11 14 30 10.5–.89 38.35N–.02 38.96E–.02 10–7 102 0-4
NSSC VI 11 14 30 07.7–2.0 38.85N 39.05E 39–999 3.2L ¶13840550
ISK VI 11 14 30 09.7 38.36N 38.95E 5 3.4
ISCJB VI 11 14 30 10.4–.47 38.35N–.02 38.94E–.02 6–4 3.4
DDA VI 11 14 30 10.2 38.34N 38.95E 7 3.4
CSEM VI 11 14 30 10.4–.13 38.36N 38.95E 2 3.4
ISC Event type ke.
NSSC Error ellipse: s-maj=28.8km s-min=28.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=170.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=174.0.
ISC VI 11 14 53 30.7–.93 38.71N–.04 35.85E–.04 12–7 35 0-2
ISK VI 11 14 53 29.4 38.67N 35.80E 11 3.1 ¶13840551
DDA VI 11 14 53 30.2 38.61N 35.82E 7 2.9
CSEM VI 11 14 53 30.1–.12 38.69N 35.83E 12 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=55.0.
ISK VI 11 14 56 06.4 41.62N 34.87E 8 2.8
CSEM VI 11 14 56 06.4 41.62N 34.87E 8 2.8 ¶13840553
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VI 11 15 32 03.5–1.2 38.74N–.03 39.43E–.06 19–2 22 0-1
CSEM VI 11 15 32 02.6–.33 38.73N 39.49E 24–2 2.4 ¶13840554
ISCJB VI 11 15 32 03.6–1.3 38.73N–.04 39.44E–.09 24–11 2.4
ISK VI 11 15 32 03.3 38.74N 39.32E 21 2.4
DDA VI 11 15 32 04.8 38.76N 39.27E 5 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=4.3km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.3km az=6.1.
DDA Event type ke.
ISC VI 11 15 40 57.0–1.4 38.31N–.04 38.98E–.03 16–10 32 0-2
ISK VI 11 15 40 56.9 38.32N 38.96E 23 2.7 ¶13840555
ISCJB VI 11 15 40 57.2–.65 38.29N–.05 39.01E–.04 27–4 2.7

CSEM VI 11 15 40 57.4–.25 38.28N 39.05E 30 2.7
DDA VI 11 15 40 58.4 38.34N 38.93E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.5km az=161.5.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.4km az=159.0.
DDA Event type ke.
ISC VI 11 21 04 53.2–.88 37.50N–.06 35.71E–.03 14–6 26 0-1
DDA VI 11 21 04 52.6 37.53N 35.69E 7 2.8 ¶13840560
CSEM VI 11 21 04 52.6–.60 37.59N 35.73E 20 2.6
ISCJB VI 11 21 04 53.2–.59 37.51N–.05 35.71E–.04 13–5 2.6
ISK VI 11 21 04 53.5 37.52N 35.71E 8 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.8km s-min=12.9km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.8km az=179.4.
DDA VI 11 22 08 27.3 38.21N 38.61E 13 2.4
¶15137319
DDA Event type ke.
ISC VI 12 04 07 22.5–1.2 40.06N–.03 40.86E–.02 9–12 35 0-2
ISK VI 12 04 07 22.1 40.08N 40.84E 16 2.8 ¶13840566
CSEM VI 12 04 07 23.2–.22 40.05N 40.83E 23–2 2.9
DDA VI 12 04 07 23.9 40.09N 40.91E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.8km az=13.0.
DDA Event type ke.
ISC VI 12 04 51 38.7–1.0 39.38N–.02 39.18E–.02 6–10 77 0-4
ISCJB VI 12 04 51 38.0–.56 39.38N–.02 39.15E–.03 0–5 ¶13840567
ISK VI 12 04 51 37.6 39.39N 39.17E 6 3.5
CSEM VI 12 04 51 38.4–.15 39.37N 39.17E 5 3.5
DDA VI 12 04 51 38.1 39.38N 39.14E 8 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=142.8.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=127.0.
DDA Event type ke.
ISC VI 12 06 02 31.6–.93 37.53N–.04 35.73E–.03 16–5 28 0-1
CSEM VI 12 06 02 28.2–.31 37.74N 35.81E 15 2.5 ¶13840568
ISCJB VI 12 06 02 31.7–.75 37.55N–.04 35.68E–.04 7–5 2.5
ISK VI 12 06 02 31.9 37.51N 35.76E 14 2.5
DDA VI 12 06 02 31.6 37.53N 35.70E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=4.9km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.7km az=151.9.
DDA Event type ke.
ISC VI 12 06 03 08.0–1.1 39.39N–.02 39.16E–.02 7–9 46 0-2
ISK VI 12 06 03 06.1 39.40N 39.16E 2 2.8L ¶13840569
ISCJB VI 12 06 03 07.8–.53 39.37N–.02 39.20E–.04 2–5 2.8L
DDA VI 12 06 03 08.1 39.39N 39.15E 7 2.9
CSEM VI 12 06 03 08.0–.25 39.36N 39.16E 8 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=14.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=5.0km az=90.0.
ISC VI 12 06 25 12.3–1.1 39.25N–.03 27.90E–.03 11–9 50 0-2
ISK VI 12 06 25 11.4 39.26N 27.91E 2 2.6 ¶13840570
DDA VI 12 06 25 11.7 39.27N 27.90E 7 2.7
CSEM VI 12 06 25 12.2–.20 39.25N 27.91E 5 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.4km az=54.0.
ISC VI 12 07 41 18.3–.97 37.25N–.04 28.25E–.03 10–7 28 0-1
ISK VI 12 07 41 17.2 37.25N 28.29E 15 2.1 ¶13840571
ISCJB VI 12 07 41 18.7–.63 37.21N–.04 28.22E–.04 14–12 2.1
CSEM VI 12 07 41 18.6–.24 37.22N 28.23E 10 2.1
DDA VI 12 07 41 18.9 37.24N 28.19E 7 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=23.6.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.3km az=24.0.
DDA Event type ke.
ISC VI 12 11 49 40.6–.98 39.12N–.03 29.04E–.03 12–10 32 0-1
ISK VI 12 11 49 39.8 39.11N 29.05E 6 2.6 ¶13840582
ISCJB VI 12 11 49 40.4–.53 39.10N–.04 29.07E–.04 9–7 2.6
CSEM VI 12 11 49 40.6–.16 39.10N 29.06E 10 2.6
DDA VI 12 11 49 45.0 39.15N 28.68E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.2km az=148.8.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=67.0.
DDA Event type ke.
DDA VI 12 12 00 41.6 37.18N 37.20E 7 2.8
ISK VI 12 12 00 39.6 37.16N 37.24E 5 2.7 ¶13840583
CSEM VI 12 12 00 41.3–.33 37.16N 37.22E 10 2.7
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=6.5km az=133.0.
ISC VI 12 12 33 30.5–1.1 39.74N–.03 34.73E–.03 4–12 24 0-2
ISK VI 12 12 33 29.4 39.78N 34.75E 2 2.5 ¶13840585
ISCJB VI 12 12 33 30.2–.67 39.75N–.04 34.72E–.05 5–8 2.5
DDA VI 12 12 33 30.1 39.73N 34.72E 7 2.8
CSEM VI 12 12 33 30.2–.16 39.75N 34.72E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.9km az=32.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=73.0.
DDA VI 12 12 45 31.6 36.60N 32.77E 7 2.7
¶15137361
DDA Event type ke.
ISC VI 12 13 21 50.7–.97 37.22N–.03 28.20E–.03 13–7 26 0-1
DDA VI 12 13 21 50.4 37.19N 28.19E 7 2.7 ¶13840587
ISK VI 12 13 21 50.7 37.23N 28.18E 2 2.4
ISCJB VI 12 13 21 51.2–.61 37.22N–.05 28.19E–.05 10–9 2.4
CSEM VI 12 13 21 51.1–.24 37.23N 28.21E 10 2.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.7km az=33.5.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=29.0.
ISC VI 12 15 10 24.4–1.2 40.06N–.04 40.86E–.02 4–11 36 0-3
ISK VI 12 15 10 23.6 40.10N 40.88E 12 3.0 ¶13840589
CSEM VI 12 15 10 24.9–.29 40.08N 40.86E 21–3 3.0
DDA VI 12 15 10 25.7 40.17N 40.90E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=5.6km az=17.0.
DDA Event type ke.
ISC VI 12 18 45 37.1–.85 37.87N–.02 29.20E–.02 14–6 55 0-2
ISK VI 12 18 45 36.6 37.88N 29.20E 8 2.8 ¶13840595
DDA VI 12 18 45 36.9 37.87N 29.22E 8 2.9
ISCJB VI 12 18 45 37.0–.41 37.88N–.02 29.21E–.04 7–4 2.9
CSEM VI 12 18 45 37.0–.11 37.87N 29.21E 10 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=8.3.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=96.0.
ISC VI 12 19 34 13.3–.98 39.60N–.02 26.01E–.03 11–8 39 0-2
ISCJB VI 12 19 34 13.1–.55 39.59N–.02 25.99E–.05 9–5 ¶14697220
DDA VI 12 19 34 13.6 39.66N 26.07E 7 2.6
CSEM VI 12 19 34 13.0–.18 39.60N 25.98E 12 2.9
ATH VI 12 19 34 13.0 39.59N 26.01E 13–5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.7km az=170.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.1km az=72.0.
ATH Error ellipse: s-maj=0.6km s-min=1.2km az=-1.0.
ISC VI 13 04 09 28.1–.98 39.87N–.04 41.50E–.03 18–5 29 0-2
ISCJB VI 13 04 09 28.9–.65 39.87N–.05 41.48E–.04 12–4 ¶13840596
CSEM VI 13 04 09 28.1–.43 39.75N 41.41E 5 2.8
DDA VI 13 04 09 29.5 40.03N 41.45E 7 2.9
ISK VI 13 04 09 29.9 39.89N 41.27E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=173.4.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=8.0km az=29.0.
DDA Event type ke.
ISC VI 13 04 32 46.8–1.1 37.76N–.03 37.46E–.02 6–10 54 1-3
ISK VI 13 04 32 45.4 37.75N 37.47E 2 3.0 ¶13840597
DDA VI 13 04 32 46.3 37.77N 37.45E 6 3.1
CSEM VI 13 04 32 46.4–.17 37.79N 37.46E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=150.0.
ISK VI 13 07 42 32.2 37.31N 28.25E 16 2.4
CSEM VI 13 07 42 33.6–.25 37.24N 28.22E 15 2.4 ¶16438992
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=3.6km az=39.0.
ISC VI 13 09 30 31.8–1.0 39.42N–.02 39.15E–.03 8–10 39 0-1
ISK VI 13 09 30 31.3 39.42N 39.18E 8 2.7 ¶13840603
DDA VI 13 09 30 31.9 39.39N 39.17E 7 2.8
ISCJB VI 13 09 30 32.0–.46 39.40N–.02 39.18E–.03 7–6 2.8
CSEM VI 13 09 30 32.3–.21 39.40N 39.14E 20 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=31.7.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=97.0.
ISC VI 13 09 39 34.3–.94 39.62N–.05 43.00E–.03 4–8 26 0-2
ISK VI 13 09 39 33.9 39.56N 42.94E 5 2.8 ¶13840604
CSEM VI 13 09 39 34.3–.43 39.56N 42.99E 7–3 2.8
ISCJB VI 13 09 39 35.0–.55 39.60N–.04 43.03E–.05 4–6 2.8
DDA VI 13 09 39 35.4 39.62N 42.94E 7 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=10.6km az=33.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.0km az=147.0.
DDA Event type ke.
ISC VI 13 20 33 55.6–1.1 39.40N–.02 39.18E–.02 3–13 105 0-8
NSSC VI 13 20 33 31.7–1.9 41.12N 39.97E 0–154 3.3L ¶13840613
DDA VI 13 20 33 54.8 39.39N 39.11E 13 3.4
ISK VI 13 20 33 54.2 39.38N 39.19E 3 3.7L
CSEM VI 13 20 33 55.5–.15 39.37N 39.17E 2 3.7L
ISC Event type ke.
NSSC Error ellipse: s-maj=236.9km s-min=68.8km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.7km az=56.0.
ISC VI 13 21 08 18.7–1.0 39.40N–.02 39.19E–.02 7–13 56 0-4
ISK VI 13 21 08 17.6 39.40N 39.20E 4 3.2 ¶13840617
DDA VI 13 21 08 18.1 39.39N 39.17E 7 3.2
CSEM VI 13 21 08 18.5–.21 39.40N 39.17E 2 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.9km az=134.0.
ISC VI 13 21 58 42.7–.96 39.42N–.02 39.16E–.02 13–9 49 0-2
ISK VI 13 21 58 41.7 39.42N 39.17E 12 2.9 ¶13840621
ISCJB VI 13 21 58 42.6–.62 39.42N–.03 39.17E–.04 8–5 2.9
DDA VI 13 21 58 42.5 39.39N 39.15E 7 2.8
CSEM VI 13 21 58 42.5–.17 39.42N 39.16E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=43.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=117.0.
ISC VI 13 22 03 06.7–1.1 39.40N–.02 39.17E–.03 8–10 30 0-2
ISCJB VI 13 22 03 06.5–.68 39.40N–.03 39.18E–.04 6–6 ¶13840622
DDA VI 13 22 03 06.2 39.40N 39.17E 7 2.8
CSEM VI 13 22 03 06.7–.22 39.40N 39.15E 10 2.6
ISK VI 13 22 03 07.1 39.46N 39.22E 18 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.8km az=154.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=104.0.
ISC VI 13 22 12 13.8–1.1 37.64N–.03 36.35E–.03 2–11 30 0-1
ISK VI 13 22 12 12.6 37.65N 36.35E 4 2.7 ¶13840623
DDA VI 13 22 12 13.7 37.62N 36.36E 3 2.8
CSEM VI 13 22 12 13.3–.34 37.68N 36.32E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.1km az=171.0.
ISC VI 13 22 59 56.7–1.1 39.39N–.02 39.20E–.02 4–10 105 0-4
NSSC VI 13 22 59 44.7–2.5 40.32N 39.39E 0–999 ¶13840624
ISK VI 13 22 59 55.8 39.41N 39.19E 4 3.6
DDA VI 13 22 59 56.4 39.37N 39.17E 7 3.4L
CSEM VI 13 22 59 56.9–.13 39.38N 39.17E 2 3.6
ISC Event type ke.
NSSC Error ellipse: s-maj=999.9km s-min=335.2km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=124.0.
ISC VI 13 23 56 27.2–1.1 37.76N–.03 37.47E–.03 9–9 36 0-1
ISK VI 13 23 56 26.6 37.70N 37.50E 12 2.8 ¶13840627
ISCJB VI 13 23 56 27.2–.55 37.77N–.03 37.47E–.04 5–5 2.8
DDA VI 13 23 56 27.3 37.76N 37.43E 8 2.8
CSEM VI 13 23 56 27.3–.21 37.76N 37.48E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=143.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.7km az=149.0.
ISC VI 14 03 32 51.0–1.0 39.39N–.02 39.16E–.02 9–10 54 0-2
ISK VI 14 03 32 49.4 39.40N 39.18E 5 3.0 ¶13840631
ISCJB VI 14 03 32 50.9–.56 39.39N–.02 39.17E–.03 1–5 3.0
DDA VI 14 03 32 50.8 39.37N 39.18E 17 3.2L,3.0
CSEM VI 14 03 32 51.1–.24 39.38N 39.16E 8 3.0,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=34.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=122.0.
ISC VI 14 05 34 44.1–1.0 39.30N–.02 28.00E–.02 7–9 72 0-2
ISCJB VI 14 05 34 43.6–.46 39.29N–.02 27.97E–.03 1–5 ¶13840633
ISK VI 14 05 34 43.1 39.29N 28.01E 8 2.9
CSEM VI 14 05 34 43.9–.12 39.30N 28.00E 8 2.9
DDA VI 14 05 34 44 39.29N 27.98E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=151.9.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=63.0.
DDA Event type ke.
ISC VI 14 07 55 12.4–.96 37.23N–.04 28.17E–.03 13–7 26 0-1
ISK VI 14 07 55 11.4 37.28N 28.19E 13 2.5 ¶13840636
CSEM VI 14 07 55 12.3–.15 37.22N 28.17E 15 2.5
DDA VI 14 07 55 12.6 37.20N 28.14E 7 2.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=30.0.
DDA Event type ke.
ISC VI 14 08 20 18.0–.98 39.11N–.03 27.60E–.06 11 29 1-2
DDA VI 14 08 19 56.5 39.07N 29.55E 3 2.3 ¶13840637
ISCJB VI 14 08 20 18.3–.85 39.08N–.05 27.6E–.10 11 2.3
ISK VI 14 08 20 18.0 39.10N 27.59E 6 2.7
CSEM VI 14 08 20 18.0 39.10N 27.59E 6 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=3.8km az=20.1.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VI 14 09 18 04.8–1.0 39.41N–.03 39.17E–.03 14–11 34 0-1
DDA VI 14 09 18 05.0 39.40N 39.19E 7 2.8 ¶13840638
ISK VI 14 09 18 04.0 39.38N 39.16E 10 2.8

CSEM VI 14 09 18 04.9–.22 39.40N 39.19E 10 2.8
ISCJB VI 14 09 18 05.0–.57 39.40N–.03 39.19E–.05 7–7 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VI 14 09 20 50.0–1.1 39.37N–.04 33.09E–.03 4–10 24 0-1
DDA VI 14 09 20 50.0 39.51N 33.06E 18 2.6 **¶13840639**
ISK VI 14 09 20 49.9 39.45N 33.16E 5 2.1
ISCJB VI 14 09 20 50.2–.93 39.37N–.05 33.10E–.05 2–11 2.1
CSEM VI 14 09 20 50.3–.19 39.38N 33.11E 2 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.9km az=1.5.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=179.0.
ISC VI 14 14 06 13.0–1.1 37.15N–.03 28.53E–.03 7–9 30 0-1
ISK VI 14 14 06 11.9 37.12N 28.59E 4 2.7 **¶13840644**
DDA VI 14 14 06 12.6 37.11N 28.49E 7 2.8
CSEM VI 14 14 06 13.2–.20 37.14N 28.56E 5 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.3km az=97.0.
ISC VI 14 14 35 54.8–.98 39.12N–.01 29.01E–.01 7–8 191 0-7
DDA VI 14 14 35 54.3 39.10N 29.01E 11 3.2 **¶13840645**
ISK VI 14 14 35 54.1 39.10N 29.03E 5 3.5L
CSEM VI 14 14 35 55.3–.08 39.10N 29.04E 2 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=74.0.
ISC VI 14 15 26 42.6–.97 37.88N–.02 29.21E–.02 7–10 56 0-2
ISK VI 14 15 26 41.9 37.90N 29.17E 6 2.9 **¶13840646**
ISCJB VI 14 15 26 42.2–.47 37.89N–.02 29.20E–.03 2–6 2.9
DDA VI 14 15 26 42.3 37.89N 29.23E 7 2.8
CSEM VI 14 15 26 42.4–.12 37.88N 29.21E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=18.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=110.0.
ISC VI 14 16 57 22.0–1.2 39.31N–.02 27.88E–.02 1–10 87 0-3
ISCJB VI 14 16 57 21.7–.45 39.30N–.02 27.89E–.03 4–4 **¶13840647**
ISK VI 14 16 57 21.1 39.30N 27.82E 7 2.9
CSEM VI 14 16 57 21.7–.17 39.31N 27.85E 5 2.9
DDA VI 14 16 57 22.1 39.29N 27.95E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=174.1.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=82.0.
DDA Event type ke.
ISC VI 14 17 07 43.7–1.0 39.09N–.03 29.02E–.02 6–9 56 0-2
ISCJB VI 14 17 07 43.5–.45 39.08N–.03 29.03E–.03 6–5 **¶13840648**
DDA VI 14 17 07 43.5 39.09N 29.04E 7 3.0L
ISK VI 14 17 07 43.7 39.01N 29.02E 22 2.8
CSEM VI 14 17 07 43.7–.11 39.08N 29.02E 8 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=178.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=54.0.
ISC VI 14 18 32 05.3–1.0 39.11N–.02 29.02E–.02 5–10 114 0-3
CSEM VI 14 18 32 05.8–.08 39.11N 29.05E 2 3.3L **¶13840649**
ISK VI 14 18 32 05.4 39.12N 29.06E 5 3.0
DDA VI 14 18 32 05.1 39.09N 29.01E 7 3.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=107.0.
DDA Event type ke.
ISC VI 14 19 18 38.9–1.0 39.29N–.02 27.93E–.02 6–9 160 0-4
ATH VI 14 19 18 36.8 39.35N 28.04E 11–0 3.5 **¶13840650**
ISK VI 14 19 18 37.7 39.28N 27.90E 2 3.2
ISCJB VI 14 19 18 38.6–.42 39.28N–.02 27.92E–.02 2–3 3.2
DDA VI 14 19 18 38.5 39.30N 27.95E 7 3.3
CSEM VI 14 19 18 38.8–.07 39.28N 27.92E 2 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=44.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=53.0.
ISC VI 15 15 11 57.3–1.1 39.38N–.02 40.11E–.03 9–10 39 0-1
ISCJB VI 15 15 11 56.9–.61 39.37N–.03 40.12E–.04 4–6 **¶13840662**
ISK VI 15 15 11 56.2 39.37N 40.14E 13 2.7
CSEM VI 15 15 11 56.7–.17 39.36N 40.12E 12 2.7
DDA VI 15 15 11 57.2 39.36N 40.05E 7 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=24.5.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=128.0.
DDA Event type ke.
ISC VI 15 20 34 55.9–1.1 39.30N–.01 27.93E–.02 7–9 165 0-3
ATH VI 15 20 34 53.9 39.38N 28.03E 11–4 3.5 **¶13840665**
ISCJB VI 15 20 34 55.6–.43 39.27N–.02 27.90E–.02 5–3 3.5
DDA VI 15 20 34 55.5 39.29N 27.92E 7 3.3
ISK VI 15 20 34 55.2 39.27N 27.90E 8 3.5
CSEM VI 15 20 34 56.1–.08 39.28N 27.91E 8 3.5
ISC Event type ke.
ATH Error ellipse: s-maj=2.6km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=154.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=74.0.
ISC VI 15 22 46 36.7–1.2 38.65N–.04 39.78E–.03 11–13 27 0-2
DDA VI 15 22 46 37.0 38.56N 39.78E 7 2.5 **¶13840667**
ISCJB VI 15 22 46 37.6–.75 38.63N–.04 39.76E–.05 10–7 2.5
ISK VI 15 22 46 37.7 38.64N 39.73E 6 2.6
CSEM VI 15 22 46 37.0–.28 38.67N 39.80E 2 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.1km az=135.6.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=2.9km az=58.0.
ISC VI 16 00 11 49.2–.99 39.29N–.01 27.92E–.01 8–8 261 0-7
ISK VI 16 00 11 48.5 39.30N 27.91E 6 3.6,3.6L **¶13840733**
ISCJB VI 16 00 11 48.5–.38 39.29N–.01 27.89E–.02 3–3 3.6,3.6L
THE VI 16 00 11 48.7 39.31N 28.03E 3–6 3.6L,3.6L
CSEM VI 16 00 11 48.7–.08 39.30N 27.89E 2 3.6,3.6L
DDA VI 16 00 11 49.3 39.29N 27.94E 6 3.7,3.6L
ATH VI 16 00 11 49.0 39.30N 27.90E 23–2 3.7,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=138.7.
THE Event type ke. Error ellipse: s-maj=6.9km s-min=1.6km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=45.0.
DDA Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=2.8km az=-1.0.
ISC VI 16 02 05 16.7–.93 39.44N–.04 33.12E–.04 7–6 28 0-1
ISK VI 16 02 05 15.5 39.45N 33.18E 7 2.8 **¶13840737**
ISCJB VI 16 02 05 16.7–.66 39.45N–.05 33.13E–.07 10–4 2.8
CSEM VI 16 02 05 16.5–.23 39.46N 33.13E 10 2.8
DDA VI 16 02 05 17.5 39.52N 32.99E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=7.8km az=18.3.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=6.2km az=119.0.
DDA Event type ke.
ISC VI 16 02 37 19.8–.86 39.44N–.02 33.07E–.02 1–4 83 0-3
DDA VI 16 02 37 18.8 39.45N 33.05E 9 3.3 **¶13840738**
ISCJB VI 16 02 37 19.5–.46 39.44N–.03 33.06E–.03 3–3 3.3
CSEM VI 16 02 37 19.5–.14 39.44N 33.08E 2 3.6
ISK VI 16 02 37 19.0 39.46N 33.09E 4 3.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=145.9.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=162.0.
ISC VI 16 05 52 29.5–1.2 39.29N–.02 27.91E–.03 10–11 66 0-2
DDA VI 16 05 52 30.0 39.30N 27.96E 7 2.7 **¶13840742**
ISK VI 16 05 52 29.2 39.28N 27.88E 20 2.9
CSEM VI 16 05 52 30.0–.11 39.29N 27.90E 20 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=65.0.
ISC VI 16 12 24 32.6–.96 40.24N–.03 38.08E–.03 12–6 33 0-2
ISCJB VI 16 12 24 32.4–.66 40.25N–.03 38.04E–.05 9–5 **¶13840760**
DDA VI 16 12 24 32.9 40.26N 38.09E 7 2.5
ISK VI 16 12 24 32.0 40.25N 38.08E 10 2.7
CSEM VI 16 12 24 32.5–.16 40.23N 38.08E 8 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.4km az=27.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=146.0.
ISC VI 16 12 26 30.0–.94 39.39N–.02 39.13E–.02 16–9 42 0-2
DDA VI 16 12 26 29.4 39.38N 39.19E 16 3.0 **¶13840761**
ISK VI 16 12 26 29.3 39.39N 39.15E 10 2.7
ISCJB VI 16 12 26 30.2–.49 39.38N–.03 39.16E–.03 9–5 2.7
CSEM VI 16 12 26 30.3–.20 39.37N 39.13E 15 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=35.1.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=99.0.
DDA VI 16 13 55 02.1 37.28N 31.72E 7 2.8
¶15137467
DDA Event type ke.
ISC VI 16 15 44 42.4–1.0 39.30N–.02 27.92E–.02 6–9 171 0-4
ATH VI 16 15 44 40.0 39.41N 28.04E 10–1 3.5 **¶13840769**
DDA VI 16 15 44 41.8 39.31N 27.97E 8 3.3
ISCJB VI 16 15 44 42.0–.42 39.31N–.02 27.92E–.02 1–3 3.3
ISK VI 16 15 44 41.3 39.31N 27.92E 5 3.4
THE VI 16 15 44 42.6 39.33N 27.91E 0–2 3.2L
CSEM VI 16 15 44 42.3–.08 39.30N 27.91E 2 3.4
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.3km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=41.6.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.9km az=20.0.
ISC VI 16 16 05 23.6–1.1 37.67N–.02 36.31E–.02 2–10 66 0-3
DDA VI 16 16 05 23.9 37.68N 36.33E 1 3.1 **¶13840770**
ISK VI 16 16 05 23.6 37.69N 36.31E 5 3.2
CSEM VI 16 16 05 24.1–.31 37.70N 36.28E 0–3 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.5km az=157.0.
ISC VI 16 22 11 55.3–1.1 39.29N–.01 27.95E–.01 6–9 234 0-4
ATH VI 16 22 11 53.6 39.38N 28.06E 8–1 3.6 **¶13840774**
DDA VI 16 22 11 55.1 39.29N 27.94E 26 3.3
ISCJB VI 16 22 11 55.5–.38 39.28N–.01 27.94E–.02 5–3 3.3
ISK VI 16 22 11 55.2 39.27N 27.92E 8 3.4
CSEM VI 16 22 11 55.8–.06 39.28N 27.94E 5 3.4
THE VI 16 22 11 56.0 39.22N 27.96E 0–1 3.2L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.2km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=149.5.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=72.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.2km az=39.0.
ISC VI 16 22 30 27.8–.93 40.44N–.03 30.01E–.02 11–7 54 0-2
ISCJB VI 16 22 30 27.4–.45 40.44N–.03 30.01E–.03 8–4 **¶13840776**
DDA VI 16 22 30 27.4 40.41N 30.00E 7 2.8
ISK VI 16 22 30 27.1 40.46N 30.01E 7 2.8
CSEM VI 16 22 30 27.5–.13 40.45N 30.02E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.7km az=22.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=21.0.
ISC VI 17 05 07 56.5–1.1 36.15N–.03 35.96E–.05 16–8 26 0-1
NSSC VI 17 05 07 53.6–1.7 36.23N 35.86E 17–9 2.3L,0.5 **¶15137518**
ISCJB VI 17 05 07 57.2–.75 36.12N–.03 35.98E–.06 15–8 2.3L,0.5
DDA VI 17 05 07 57.9 36.18N 36.08E 7 2.9,0.5
CSEM VI 17 05 07 57.9 36.18N 36.08E 7 2.9,0.5
ISC Event type ke.
NSSC Error ellipse: s-maj=5.5km s-min=15.5km az=-1.0. Moment Tensor Solution. NP1: ϕ_S116.10000°,δ64.34000°,λ-56.31000°.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.7km az=7.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VI 17 06 09 26.4–.94 39.49N–.02 40.18E–.02 14–8 51 0-2
ISCJB VI 17 06 09 25.8–.44 39.46N–.03 40.19E–.03 9–5 **¶13840814**
ISK VI 17 06 09 25.1 39.49N 40.20E 18 3.0
CSEM VI 17 06 09 25.8–.22 39.46N 40.19E 15 2.9
DDA VI 17 06 09 26.2 39.51N 40.18E 9 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=30.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=143.0.
DDA Event type ke.
ISC VI 17 06 16 11.4–.90 36.28N–.02 35.83E–.02 14–8 80 0-3
NSSC VI 17 06 16 08.0–2.6 36.43N 35.84E 4–18 3.0L,0.9 **¶13840815**
ISK VI 17 06 16 10.5 36.23N 35.78E 15 3.2,0.9
ISCJB VI 17 06 16 11.4–.44 36.27N–.02 35.83E–.03 7–4 3.2,0.9
DDA VI 17 06 16 11.4 36.32N 35.82E 10 3.2,0.9
CSEM VI 17 06 16 11.4–.18 36.26N 35.81E 10 3.2,0.9
ISC Event type ke.
NSSC Error ellipse: s-maj=9.1km s-min=16.9km az=-1.0. Moment Tensor Solution. NP1: ϕ_S175.00000°,δ90.00000°,λ60.00000°.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=143.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=52.0.
ISC VI 17 09 25 17.3–1.2 39.12N–.03 35.41E–.03 0–11 40 0-3
DDA VI 17 09 25 17.0 39.09N 35.38E 7 2.9 **¶13840819**
CSEM VI 17 09 25 17.3–.12 39.11N 35.43E 2 2.9
ISK VI 17 09 25 17.4 39.12N 35.48E 6 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=24.0.
DDA VI 17 10 46 24.1 37.81N 36.58E 6 2.7
¶15137500
DDA Event type ke.
ISK VI 17 12 24 14.6 41.60N 27.89E 12 2.8
CSEM VI 17 12 24 14.6 41.60N 27.89E 12 2.8 **¶13840824**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VI 17 17 24 43.3–.85 39.03N–.02 29.48E–.02 7–6 63 0-2
DDA VI 17 17 24 42.9 39.01N 29.48E 7 2.7L **¶13840830**
ISCJB VI 17 17 24 43.3–.47 39.01N–.02 29.49E–.03 3–6 2.7L
ISK VI 17 17 24 43.3 39.04N 29.50E 6 2.4
CSEM VI 17 17 24 43.4–.11 39.04N 29.48E 2 2.7L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=4.0km az=42.1.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=46.0.
ISC VI 17 23 13 18.5–.96 39.21N–.02 38.79E–.02 9–8 68 0-2
DDA VI 17 23 13 17.5 39.20N 38.79E 5 3.2L **¶13840835**
ISK VI 17 23 13 17.9 39.22N 38.81E 7 3.0
ISCJB VI 17 23 13 18.4–.48 39.21N–.02 38.80E–.03 2–5 3.0

CSEM VI 17 23 13 18.5–.17 39.20N 38.78E 2 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.7km az=171.3.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=88.0.
ISC VI 17 23 54 17.3–1.0 38.75N–.04 35.57E–.02 9–10 35 0-3
ISK VI 17 23 54 16.6 38.79N 35.56E 6 3.2 ¶13840837
CSEM VI 17 23 54 16.3–.28 38.71N 35.58E 2 3.2
ISCJB VI 17 23 54 17.0–.63 38.80N–.05 35.56E–.04 4–6 3.2
DDA VI 17 23 54 17 38.72N 35.56E 7 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.9km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.4km az=13.2.
DDA Event type ke.
ISC VI 18 01 51 30.0–1.0 39.09N–.03 29.03E–.02 6–11 46 0-2
ISCJB VI 18 01 51 29.6–.51 39.09N–.03 29.03E–.03 2–9 ¶13840879
CSEM VI 18 01 51 29.8–.09 39.10N 29.03E 2 3.1
DDA VI 18 01 51 29.6 39.08N 29.04E 7 3.1
ISK VI 18 01 51 29.2 39.08N 29.05E 5 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=153.9.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=135.0.
DDA Event type ke.
ISC VI 18 09 48 08.7–.93 39.30N–.02 27.94E–.02 13–9 109 0-3
ATH VI 18 09 48 06.8 39.38N 28.02E 10–4 3.5 ¶13840884
ISCJB VI 18 09 48 08.1–.38 39.29N–.02 27.94E–.03 4–3 3.5
CSEM VI 18 09 48 08.6–.10 39.29N 27.94E 8 3.2
DDA VI 18 09 48 08.1 39.29N 27.94E 7 3.2L
ISK VI 18 09 48 08.0 39.30N 27.94E 8 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=3.5km s-min=6.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=17.4.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=122.0.
DDA Event type ke.
ISC VI 18 11 45 55.4–.95 39.50N–.04 33.51E–.02 11–9 28 0-1
DDA VI 18 11 45 54.8 39.66N 33.48E 7 2.6 ¶13840888
ISCJB VI 18 11 45 55.5–.57 39.52N–.05 33.52E–.03 7–7 2.6
ISK VI 18 11 45 55.0 39.48N 33.50E 4 2.3
CSEM VI 18 11 45 55.4–.20 39.51N 33.52E 8 2.3
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.3km az=7.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.5km az=5.0.
ISC VI 19 05 32 42.1–1.1 39.30N–.02 40.81E–.03 5–13 34 0-2
CSEM VI 19 05 32 41.4–.24 39.22N 40.78E 2 2.6 ¶13840940
DDA VI 19 05 32 42.5 39.33N 40.79E 7 3.1
ISK VI 19 05 32 42.0 39.31N 40.82E 8 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=125.0.
DDA Event type ke.
ISC VI 19 06 15 29.1–1.1 36.11N–.05 35.96E–.04 15–7 26 0-2
CSEM VI 19 06 15 23.5–1.3 35.80N 35.83E 19–1 2.6 ¶13840941
ISK VI 19 06 15 28.8 36.10N 35.94E 11 2.6
DDA VI 19 06 15 29.7 36.18N 35.98E 7 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=35.4km s-min=15.5km az=154.0.
DDA Event type ke.
ISC VI 19 09 25 58.6–1.0 39.56N–.05 26.80E–.03 12–10 32 0-2
ISCJB VI 19 09 25 59.0–.61 39.53N–.03 26.79E–.05 14–5 ¶13840944
DDA VI 19 09 25 58.7 39.55N 26.80E 7 2.7
CSEM VI 19 09 25 58.1–.50 39.46N 26.75E 12 2.9
ISK VI 19 09 26 00.3 39.60N 26.80E 24 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.7km az=44.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=4.5km az=20.0.
ISC VI 19 10 11 53.3–.97 39.88N–.05 33.05E–.04 15–7 30 0-2
ISK VI 19 10 11 52.6 39.91N 33.07E 3 2.3 ¶13840948
ISCJB VI 19 10 11 53.8–.71 39.87N–.05 33.03E–.05 15–9 2.3
CSEM VI 19 10 11 53.7–.30 39.88N 33.05E 15 2.5
DDA VI 19 10 11 58.1 39.37N 33.21E 7 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.5km az=23.2.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.8km az=12.0.
DDA Event type ke.
ISC VI 19 10 49 18.9–1.2 39.74N–.03 30.77E–.03 1–12 39 0-2
DDA VI 19 10 49 18.9 39.70N 30.71E 7 2.7 ¶13840949
ISK VI 19 10 49 18.7 39.78N 30.78E 5 2.5
ISCJB VI 19 10 49 19.0–.58 39.75N–.03 30.76E–.04 4–6 2.5
CSEM VI 19 10 49 19.0–.17 39.75N 30.77E 2 2.7
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.9km az=40.9.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=36.0.
ISC VI 19 10 50 53.9–.88 39.88N–.03 33.07E–.03 12–8 38 0-2
ISK VI 19 10 50 52.6 39.85N 33.08E 3 2.6 ¶13840950
DDA VI 19 10 50 53.8 39.89N 33.09E 7 2.7
CSEM VI 19 10 50 53.3–.15 39.95N 33.08E 2 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=169.0.
ISC VI 19 14 44 14.6–1.5 37.80N–.03 38.28E–.03 7–12 24 0-1
CSEM VI 19 14 44 13.2–.38 37.72N 38.10E 30 2.9 ¶13840957
DDA VI 19 14 44 14.8 37.78N 38.30E 8 2.9
ISK VI 19 14 44 14.3 37.80N 38.26E 10 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=8.8km az=88.0.
DDA Event type ke.
ISC VI 19 15 36 32.6–.91 39.13N–.02 29.06E–.02 12–9 64 0-2
ISK VI 19 15 36 31.8 39.13N 29.07E 5 2.8 ¶13840963
ISCJB VI 19 15 36 32.2–.42 39.12N–.02 29.06E–.03 5–5 2.8
DDA VI 19 15 36 32.3 39.11N 29.06E 9 2.8
CSEM VI 19 15 36 32.4–.07 39.12N 29.07E 6–0 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.8km az=152.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=61.0.
ISC VI 19 16 51 43.2–.89 39.65N–.03 39.69E–.04 11–5 27 0-2
ISCJB VI 19 16 51 43.4–.58 39.63N–.03 39.74E–.06 8–5 ¶13840964
DDA VI 19 16 51 43.5 39.63N 39.67E 6 2.8
ISK VI 19 16 51 43.0 39.66N 39.72E 5 2.9
CSEM VI 19 16 51 43.6–.18 39.65N 39.68E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.4km az=166.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=94.0.
ISC VI 19 19 38 19.3–1.1 37.92N–.02 36.61E–.02 8–9 72 0-3
ISK VI 19 19 38 17.8 37.92N 36.61E 5 3.4 ¶13840967
ISCJB VI 19 19 38 19.2–.48 37.93N–.02 36.59E–.03 2–5 3.4
DDA VI 19 19 38 19.2 37.90N 36.56E 8 3.1
CSEM VI 19 19 38 19.3–.16 37.92N 36.59E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=173.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=95.0.
ISC VI 19 22 29 20.2–.99 39.13N–.02 27.97E–.03 14–11 46 0-2
ISK VI 19 22 29 19.6 39.11N 27.96E 5 2.9 ¶13840969
ISCJB VI 19 22 29 20.1–.44 39.13N–.02 27.98E–.04 6–6 2.9
DDA VI 19 22 29 20.1 39.13N 28.00E 7 2.8
CSEM VI 19 22 29 20.3–.13 39.12N 27.97E 10 2.8
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=171.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=77.0.
ISC VI 19 23 41 54.2–.85 38.65N–.03 30.84E–.02 13–5 38 0-1
DDA VI 19 23 41 53.8 38.59N 30.85E 7 2.8 ¶13840972
ISK VI 19 23 41 53.5 38.65N 30.85E 7 2.6
CSEM VI 19 23 41 53.9–.14 38.65N 30.85E 10 2.8
ISCJB VI 19 23 41 54.0–.50 38.65N–.04 30.84E–.03 8–5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VI 20 02 23 23.6–.97 37.86N–.02 27.52E–.03 9–9 34 0-1
ISCJB VI 20 02 23 23.7–.52 37.88N–.03 27.51E–.05 4–7 ¶13841021
ISK VI 20 02 23 23.8 37.89N 27.41E 19 2.6
DDA VI 20 02 23 23.4 37.88N 27.55E 7 2.8
CSEM VI 20 02 23 24.1–.20 37.88N 27.54E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=148.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.4km az=63.0.
ISC VI 20 08 43 57.0–.92 37.85N–.02 27.53E–.02 11–9 46 0-2
ISCJB VI 20 08 43 56.9–.47 37.85N–.02 27.53E–.04 6–6 ¶13841029
ISK VI 20 08 43 56.1 37.88N 27.57E 18 2.9
DDA VI 20 08 43 57.3 37.86N 27.53E 7 2.8
CSEM VI 20 08 43 57.1–.17 37.84N 27.53E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=151.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=61.0.
ISC VI 20 14 51 24.3–.91 37.25N–.04 28.23E–.04 12–7 28 0-1
ISK VI 20 14 51 23.1 37.29N 28.24E 4 2.6 ¶13841037
ISCJB VI 20 14 51 24.2–.57 37.24N–.06 28.20E–.06 13–6 2.6
CSEM VI 20 14 51 24.2–.13 37.24N 28.21E 13–1 2.6
DDA VI 20 14 51 24.5 37.24N 28.17E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=5.0km az=37.2.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=33.0.
DDA Event type ke.
ISC VI 20 16 00 51.6–.79 40.17N–.01 28.85E–.01 13–5 147 0-3
DDA VI 20 16 00 51.0 40.15N 28.85E 18 3.1 ¶13841039
ISCJB VI 20 16 00 51.5–.28 40.17N–.02 28.85E–.02 8–2 3.1
CSEM VI 20 16 00 51.6–.08 40.17N 28.86E 8 3.0
ISK VI 20 16 00 51.1 40.17N 28.85E 6 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.6km az=16.2.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.8km az=109.0.
ISC VI 20 17 24 37.1–1.7 39.55N–.06 26.19E–.07 18–10 36 0-2
ISK VI 20 17 24 35.8 39.52N 26.13E 19 2.9 ¶13841040
ISCJB VI 20 17 24 36.7–1.4 39.53N–.07 26.15E–.10 25–5 2.9
DDA VI 20 17 24 36.3 39.50N 26.16E 27 2.7
CSEM VI 20 17 24 36.6–.37 39.53N 26.14E 19–0 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=6.6km az=141.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=3.6km az=54.0.
ISC VI 20 21 50 49.7–.93 37.62N–.02 36.22E–.02 7–8 65 0-3
DDA VI 20 21 50 48.9 37.63N 36.23E 12 3.1 ¶13841046
ISK VI 20 21 50 48.7 37.61N 36.25E 3 3.3
ISCJB VI 20 21 50 49.3–.54 37.62N–.03 36.23E–.02 0–5 3.3
CSEM VI 20 21 50 49.5–.10 37.62N 36.23E 2 3.3
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=10.3.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=173.0.
ISC VI 20 22 12 04.3–1.1 39.11N–.03 33.27E–.02 7–11 43 0-2
CSEM VI 20 22 12 03.9–.19 39.09N 33.25E 5 2.9 ¶13841048
ISK VI 20 22 12 03.4 39.11N 33.27E 6 2.9
DDA VI 20 22 12 04.4 39.13N 33.30E 8 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=137.0.
DDA Event type ke.
ISC VI 20 23 40 07.2–.92 37.60N–.04 36.25E–.02 8–6 28 0-1
CSEM VI 20 23 40 05.8–.22 37.73N 36.26E 2 2.7 ¶13841050
DDA VI 20 23 40 06.9 37.59N 36.27E 11 2.7
ISK VI 20 23 40 06.4 37.47N 36.28E 10 2.6
ISCJB VI 20 23 40 07.2–.63 37.50N–.04 36.25E–.03 2–8 2.6
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC VI 21 03 34 53.2–.98 38.71N–.02 43.37E–.03 9–9 47 0-3
ISK VI 21 03 34 51.5 38.75N 43.33E 5 3.2 ¶13841119
DDA VI 21 03 34 52.7 38.72N 43.36E 6 3.3
CSEM VI 21 03 34 52.9–.29 38.73N 43.36E 2 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=5.1km az=113.0.
ISC VI 21 05 36 40.6–.86 37.24N–.03 27.97E–.02 15–7 36 0-1
ISCJB VI 21 05 36 40.9–.49 37.27N–.04 27.95E–.04 10–5 ¶13841122
DDA VI 21 05 36 40.7 37.25N 27.96E 15 2.8
ISK VI 21 05 36 40.6 37.27N 27.96E 7 2.6
CSEM VI 21 05 36 41.1–.10 37.28N 27.95E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.6km az=19.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=15.0.
ISC VI 21 08 38 48.9–1.0 37.88N–.02 27.55E–.02 6–9 44 0-2
ISCJB VI 21 08 38 48.6–.54 37.89N–.03 27.54E–.04 2–7 ¶13841131
DDA VI 21 08 38 48.9 37.85N 27.53E 7 2.8
ISK VI 21 08 38 48.3 37.90N 27.58E 8 2.9
CSEM VI 21 08 38 48.9–.14 37.88N 27.56E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=154.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=86.0.
ISC VI 21 08 42 50.2–1.1 37.88N–.02 27.52E–.03 5–10 39 0-2
ISK VI 21 08 42 49.7 37.90N 27.53E 10 2.8 ¶13841132
ISCJB VI 21 08 42 50.0–.55 37.88N–.03 27.51E–.04 4–7 2.8
DDA VI 21 08 42 50.3 37.87N 27.51E 7 2.5
CSEM VI 21 08 42 50.2–.16 37.88N 27.52E 10 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=151.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=77.0.
DDA VI 21 08 56 02.3 38.44N 38.29E 7 2.5
¶15137582
DDA Event type ke.
ISC VI 21 09 14 26.8–1.2 39.09N–.02 27.60E–.03 13–10 56 0-2
ISCJB VI 21 09 14 26.5–.51 39.10N–.03 27.58E–.05 10–6 ¶13841136
ISK VI 21 09 14 26.2 39.09N 27.59E 14 2.9
DDA VI 21 09 14 26.6 39.09N 27.60E 7 2.8
CSEM VI 21 09 14 26.8–.09 39.08N 27.60E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=177.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=85.0.
ISC VI 21 12 18 57.0–1.0 38.91N–.02 38.53E–.03 9–10 39 0-2
ISCJB VI 21 12 18 56.6–.53 38.91N–.03 38.53E–.04 5–7 ¶13841146
DDA VI 21 12 18 56.5 38.92N 38.56E 7 2.9

CSEM VI 21 12 18 56.8–.19 38.91N 38.53E 5 2.9
ISK VI 21 12 18 56.0 38.91N 38.54E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.7km az=4.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=90.0.
CSEM VI 21 13 04 45.3–.61 38.77N 39.27E 8 2.5
ISK VI 21 13 04 44.6 38.75N 39.29E 16 2.5 ¶13841149
DDA VI 21 13 04 44.8 38.72N 39.36E 7 2.6
CSEM Event type ke. Error ellipse: s-maj=17.7km s-min=8.4km az=122.0.
DDA Event type ke.
DDA VI 21 15 14 36.7 38.26N 38.11E 7 2.7
CSEM VI 21 15 14 36.4–.17 38.36N 38.08E 10 2.4 ¶13841155
ISK VI 21 15 14 37.1 38.42N 38.16E 2 2.4
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=15.0.
ISC VI 21 16 12 51.8–.98 38.80N–.04 35.58E–.03 13–8 29 0-2
CSEM VI 21 16 12 50.8–.53 38.62N 35.66E 15 2.8 ¶13841158
ISK VI 21 16 12 50.8 38.81N 35.50E 5 2.8
DDA VI 21 16 12 52.5 38.88N 35.60E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.3km s-min=8.4km az=171.0.
DDA Event type ke.
DDA VI 21 16 56 49.3 38.41N 27.30E 7 2.9
¶15137576
DDA Event type ke.
ISC VI 21 18 58 06.8–1.1 39.16N–.02 29.46E–.02 4–11 50 0-2
ISK VI 21 18 58 05.9 39.16N 29.45E 5 2.8 ¶13841164
ISCJB VI 21 18 58 06.2–.57 39.15N–.03 29.46E–.04 1–8 2.8
DDA VI 21 18 58 06.8 39.13N 29.43E 7 3.0
CSEM VI 21 18 58 06.6–.15 39.15N 29.49E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=148.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=81.0.
ISC VI 21 23 10 11.4–.94 37.49N–.04 36.12E–.02 8–9 37 0-2
ISCJB VI 21 23 10 10.9–.56 37.44N–.05 36.13E–.03 2–6 ¶13841169
DDA VI 21 23 10 10.4 37.43N 36.14E 7 3.0
ISK VI 21 23 10 10.7 37.48N 36.14E 7 2.9
CSEM VI 21 23 10 11.0–.16 37.49N 36.11E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.9km az=170.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.2km az=169.0.
ISC VI 22 02 51 51.3–.81 39.25N–.02 26.06E–.02 13–5 90 0-3
DDA VI 22 02 51 51.0 39.26N 26.13E 6 2.8 ¶13841211
ISK VI 22 02 51 50.9 39.25N 26.01E 15 3.1
ATH VI 22 02 51 50.4 39.27N 26.23E 26–1 3.2
THE VI 22 02 51 51.7 39.25N 26.05E 7–1 2.3L
ISCJB VI 22 02 51 51.3–.47 39.25N–.02 26.06E–.03 11–3 2.3L
CSEM VI 22 02 51 51.0–.12 39.25N 26.04E 8 3.2
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=3.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=171.3.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=82.0.
ISC VI 22 06 32 33.1–1.1 37.23N–.03 28.21E–.03 2–11 42 0-1
ISCJB VI 22 06 32 32.8–.45 37.21N–.04 28.19E–.04 8–6 ¶13841213
DDA VI 22 06 32 32.5 37.22N 28.22E 7 3.0
ISK VI 22 06 32 32.6 37.22N 28.18E 7 2.6
CSEM VI 22 06 32 32.9–.11 37.21N 28.19E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=3.8km az=31.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=32.0.
ISC VI 22 06 58 24.2–.92 39.45N–.02 28.07E–.03 14–8 48 0-2
ISK VI 22 06 58 23.4 39.47N 28.09E 5 2.6 ¶13841214
ISCJB VI 22 06 58 24.2–.48 39.44N–.03 28.04E–.04 3–6 2.6
DDA VI 22 06 58 24.1 39.44N 28.02E 7 2.8
CSEM VI 22 06 58 24.6–.15 39.45N 28.06E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=148.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=44.0.
DDA VI 22 09 13 39.7 40.27N 37.54E 7 2.6
CSEM VI 22 09 13 39.7 40.27N 37.54E 7 2.6 ¶15137600
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VI 22 09 29 11.9–.78 40.48N–.02 29.13E–.02 11–5 182 0-38
IDC VI 22 09 29 05.4–3.6 40.07N 28.62E 0 3.3L,3.2 ¶13681832
DDA VI 22 09 29 10.6 40.46N 29.16E 21 3.8L,3.2
ISK VI 22 09 29 11.2 40.49N 29.14E 6 3.7L,3.2
ATH VI 22 09 29 11.8 41.17N 28.75E 5 3.9,3.2
ISCJB VI 22 09 29 11.5–.27 40.49N–.02 29.14E–.02 8–2 3.1b,3.2
CSEM VI 22 09 29 13.5–.13 40.52N 29.10E 20 3.7L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=45.5km s-min=17.6km az=44.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=42.6.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=35.0.
ISC VI 22 09 38 16.4–.98 38.58N–.02 43.64E–.03 11–8 48 0-3
ISK VI 22 09 38 13.3 38.64N 44.38E 28 3.2L ¶13841215
DDA VI 22 09 38 15.9 38.60N 43.64E 7 3.3
CSEM VI 22 09 38 16.3–.47 38.59N 43.64E 2 3.3
NSSP VI 22 09 38 17.2 38.67N 43.63E 3.1s
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=6.9km az=110.0.
ISC VI 22 12 10 21.3–.89 39.48N–.03 28.17E–.03 15–7 47 0-2
ISK VI 22 12 10 20.4 39.48N 28.18E 6 2.7 ¶13841216
DDA VI 22 12 10 20.6 39.49N 28.19E 7 2.8
ISCJB VI 22 12 10 21.0–.46 39.50N–.03 28.20E–.04 7–6 2.8
CSEM VI 22 12 10 21.2–.20 39.50N 28.21E 10 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=143.7.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.8km az=54.0.
ISC VI 22 18 37 45.4–1.2 41.15N–.05 36.73E–.03 30–14 42 0-2
ISK VI 22 18 37 42.6 41.22N 36.89E 14 2.9 ¶13841219
CSEM VI 22 18 37 43.1–.43 41.27N 36.90E 10 2.8
DDA VI 22 18 37 47.5 40.82N 36.53E 45 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=6.3km az=22.0.
DDA Event type ke.
ISC VI 22 22 00 41.8–1.3 41.22N–.04 36.80E–.02 3–12 90 1-4
DDA VI 22 22 00 42.7 41.16N 36.80E 23 3.4L ¶13841223
ISK VI 22 22 00 42.3 41.19N 36.78E 5 3.5
CSEM VI 22 22 00 42.7–.18 41.21N 36.78E 2 3.4L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.5km az=3.0.
ISC VI 22 23 04 28.6–1.2 41.13N–.04 36.81E–.03 13–11 42 0-3
CSEM VI 22 23 04 28.7–.25 41.14N 36.80E 8 2.8 ¶13841225
ISK VI 22 23 04 28.3 41.09N 36.78E 10 2.9
DDA VI 22 23 04 29.5 41.13N 36.80E 26 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=30.0.
DDA Event type ke.
ISC VI 23 00 43 12.7–1.1 38.71N–.03 43.33E–.04 7–13 27 0-2
ISCJB VI 23 00 43 12.7–.63 38.72N–.03 43.38E–.06 9–7 ¶13841263
DDA VI 23 00 43 12.6 38.70N 43.35E 7 2.8
ISK VI 23 00 43 12.0 38.70N 43.38E 6 2.9
CSEM VI 23 00 43 12.4–.19 38.69N 43.36E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.9km az=21.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=113.0.
ISC VI 23 01 22 24.9–1.1 38.55N–.02 31.80E–.02 2–11 91 0-4
DDA VI 23 01 22 24.5 38.66N 31.88E 12 3.0 ¶13841264
ISK VI 23 01 22 25.0 38.52N 31.94E 5 3.4
CSEM VI 23 01 22 26.3–.20 38.54N 31.90E 2 3.0
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.6km az=29.0.
ISC VI 23 04 07 39.0–.85 39.68N–.02 27.71E–.02 10–6 54 0-2
ISCJB VI 23 04 07 39.0–.43 39.69N–.03 27.72E–.03 8–4 ¶13841267
DDA VI 23 04 07 39.0 39.71N 27.72E 7 2.9
ISK VI 23 04 07 38.7 39.69N 27.73E 9 2.7
CSEM VI 23 04 07 39.1–.08 39.69N 27.72E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=33.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=59.0.
ISC VI 23 04 12 30.6–.86 39.69N–.02 27.72E–.02 9–6 68 0-2
ISCJB VI 23 04 12 30.4–.42 39.67N–.02 27.71E–.03 4–4 ¶13841268
CSEM VI 23 04 12 30.7–.11 39.68N 27.72E 5 2.9
DDA VI 23 04 12 30.1 39.69N 27.69E 11 3.3
ISK VI 23 04 12 30.2 39.68N 27.73E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=146.6.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=81.0.
DDA Event type ke.
ISC VI 23 05 09 09.0–.95 37.28N–.03 28.26E–.03 7–9 37 0-1
ISCJB VI 23 05 09 09.0–.51 37.28N–.04 28.28E–.04 10–7 ¶13841270
ISK VI 23 05 09 08.0 37.29N 28.26E 5 2.6
DDA VI 23 05 09 09.0 37.23N 28.16E 7 2.9
CSEM VI 23 05 09 09.3–.18 37.28N 28.26E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.2km az=23.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=26.0.
ISC VI 23 05 25 32.0–.93 39.68N–.02 27.73E–.02 7–8 46 0-2
DDA VI 23 05 25 30.9 39.71N 27.73E 7 2.9 ¶13841271
ISCJB VI 23 05 25 31.6–.47 39.68N–.03 27.73E–.03 5–5 2.9
CSEM VI 23 05 25 31.9–.12 39.68N 27.74E 5 2.6
ISK VI 23 05 25 32.1 39.70N 27.79E 7 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=22.7.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=8.0.
ISC VI 23 05 47 56.5–1.2 39.24N–.02 27.86E–.02 2–12 79 0-2
ISK VI 23 05 47 55.8 39.24N 27.84E 6 3.0 ¶13841272
ISCJB VI 23 05 47 56.3–.50 39.26N–.02 27.88E–.04 3–5 3.0
CSEM VI 23 05 47 56.5–.13 39.25N 27.85E 5 3.0
DDA VI 23 05 47 57.3 39.32N 27.95E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=149.5.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=73.0.
DDA Event type ke.
ISC VI 23 12 05 33.7–1.1 38.19N–.03 39.34E–.02 12–10 37 1-2
ISCJB VI 23 12 05 33.0–.86 38.19N–.03 39.37E–.03 2–7 ¶13841280
ISK VI 23 12 05 32.9 38.21N 39.37E 11 2.8
CSEM VI 23 12 05 33.4–.45 38.20N 39.36E 10 2.8
DDA VI 23 12 05 34.6 38.12N 39.36E 28 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=169.0.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=9.0km az=141.0.
DDA Event type ke.
DDA VI 23 14 33 08.6 39.95N 33.51E 11 2.7
CSEM VI 23 14 33 08.6 39.95N 33.51E 11 2.7 ¶15137629
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VI 23 15 03 33.1–.98 37.78N–.03 34.65E–.04 12 24 0-2
DDA VI 23 15 03 32.4 37.80N 34.57E 7 2.9 ¶13841283
ISCJB VI 23 15 03 33.9–.60 37.76N–.03 34.64E–.06 12 2.9
CSEM VI 23 15 03 33.7–.25 37.78N 34.64E 2 2.8
ISK VI 23 15 03 33.5 37.76N 34.63E 6 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=155.3.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.5km az=64.0.
ISC VI 23 17 03 52.5–1.2 38.12N–.04 42.67E–.03 7–12 30 0-3
DDA VI 23 17 03 51.8 38.20N 42.68E 7 2.8 ¶13841284
ISCJB VI 23 17 03 52.4–.80 38.14N–.04 42.67E–.03 3–7 2.8
CSEM VI 23 17 03 52.4–.22 38.12N 42.68E 10 2.8
ISK VI 23 17 03 52.3 38.07N 42.67E 14 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.5km az=0.1.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.0km az=22.0.
ISC VI 23 22 08 19.6–1.0 37.87N–.02 27.56E–.03 7–9 50 0-2
ISCJB VI 23 22 08 19.5–.52 37.86N–.02 27.53E–.04 3–6 ¶13841287
DDA VI 23 22 08 19.2 37.83N 27.55E 7 2.9
ISK VI 23 22 08 19.3 37.87N 27.51E 5 2.9
CSEM VI 23 22 08 19.8–.17 37.85N 27.55E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=170.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=84.0.
DDA VI 24 03 28 19.0 40.87N 27.98E 6 2.4
¶15137669
DDA Event type ke.
ISC VI 24 06 52 55.4–.98 37.20N–.05 28.17E–.04 12–7 26 0-1
ISCJB VI 24 06 52 55.6–.66 37.21N–.06 28.18E–.06 8–9 ¶13841350
DDA VI 24 06 52 55.4 37.24N 28.17E 7 2.8
CSEM VI 24 06 52 55.9–.14 37.21N 28.18E 5 2.6
ISK VI 24 06 52 55.4 37.21N 28.17E 4 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.5km az=37.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.1km az=31.0.
ISC VI 24 12 43 54.6–1.2 40.15N–.03 31.62E–.02 1–12 61 0-2
ISK VI 24 12 43 53.5 40.13N 31.69E 2 3.0 ¶13841361
CSEM VI 24 12 43 54.4–.14 40.14N 31.68E 2 3.0
DDA VI 24 12 43 55.1 40.17N 31.60E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=14.0.
DDA Event type ke.
ISC VI 24 13 05 19.5–1.1 38.18N–.03 37.27E–.03 11–10 38 0-2
ISK VI 24 13 05 17.8 38.16N 37.28E 2 2.9 ¶13841362
CSEM VI 24 13 05 19.0–.24 38.15N 37.29E 5 2.9
DDA VI 24 13 05 19.0 38.20N 37.30E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.2km az=133.0.
DDA Event type ke.
ISK VI 24 13 32 49.0 40.14N 32.66E 31 2.6
CSEM VI 24 13 32 49.0 40.14N 32.66E 31 2.6 ¶13841365
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISK VI 24 13 54 22.0 37.26N 28.21E 10 2.6
CSEM VI 24 13 54 22.0 37.26N 28.21E 10 2.6 ¶13841366
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.

ISC	**VI**	**24 15 10 03.7–1.1**	**41.07N–.03**	**34.56E–.02**	**4–14**		**34**	**0-2**
ISK	VI	24 15 10 02.9	41.09N	34.53E	10	2.8		¶13841368
ISCJB	VI	24 15 10 03.3–.54	41.07N–.03	34.55E–.04	0–8	2.8		
DDA	VI	24 15 10 03.4	41.05N	34.53E	7	3.0		
CSEM	VI	24 15 10 03.4–.16	41.07N	34.55E	8	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=178.5.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=171.0.							
ISC	**VI**	**24 17 00 15.6–.92**	**38.20N–.04**	**39.39E–.03**	**13–7**		**34**	**0-2**
ISCJB	VI	24 17 00 15.4–.61	38.18N–.04	39.40E–.03	3–6			¶13841370
DDA	VI	24 17 00 15.2	38.17N	39.39E	6	3.3L		
ISK	VI	24 17 00 15.0	38.17N	39.38E	8	2.6		
CSEM	VI	24 17 00 15.5–.21	38.21N	39.41E	10	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.3km s-min=4.1km az=25.8.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.5km s-min=3.8km az=27.0.							
ISC	**VI**	**24 19 47 27.5–1.2**	**37.70N–.03**	**27.08E–.05**	**21–1**		**25**	**0-1**
ISK	VI	24 19 47 26.6	37.74N	27.20E	22	2.7		¶13841372
DDA	VI	24 19 47 27.2	37.71N	26.88E	7	2.8		
CSEM	VI	24 19 47 27.3–.14	37.76N	27.25E	34–2	2.7		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.8km s-min=3.0km az=74.0.							
ISC	**VI**	**24 20 24 29.6–3.4**	**39.2N–.10**	**26.1E–.10**	**3–14**		**24**	**0-2**
ISK	VI	24 20 24 29.4	39.18N	26.15E	9	2.9		¶13841373
CSEM	VI	24 20 24 31.2–1.3	39.33N	25.99E	10	2.9		
DDA	VI	24 20 24 35.5	39.46N	26.27E	7	2.8		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=27.3km s-min=11.4km az=35.0.							
DDA	Event type ke.							
ISC	**VI**	**24 23 57 41.1–1.1**	**40.41N–.04**	**40.58E–.04**	**8–12**		**25**	**0-3**
DDA	VI	24 23 57 41.4	40.40N	40.62E	7	2.9		¶15137648
CSEM	VI	24 23 57 41.4	40.40N	40.62E	7	2.9		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.							
ISC	**VI**	**25 01 17 19.2–.98**	**36.73N–.03**	**35.97E–.03**	**15–9**		**28**	**0-1**
ISK	VI	25 01 17 18.8	36.72N	35.96E	12	2.7		¶13841451
ISCJB	VI	25 01 17 19.2–.59	36.73N–.04	35.99E–.05	10–8	2.7		
DDA	VI	25 01 17 19.2	36.72N	35.99E	7	2.9		
CSEM	VI	25 01 17 19.3–.09	36.73N	35.99E	10	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.8km s-min=5.0km az=139.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=60.0.							
ISC	**VI**	**25 07 37 17.9–1.1**	**38.92N–.02**	**27.07E–.02**	**4–10**		**56**	**0-2**
ATH	VI	25 07 37 15.8	38.96N	27.20E	4	3.0		¶14697501
ISCJB	VI	25 07 37 17.9–.57	38.92N–.02	27.03E–.03	2–5	3.0		
DDA	VI	25 07 37 17.5	38.92N	27.05E	18	3.2		
CSEM	VI	25 07 37 17.7–.22	38.91N	27.04E	1–1	3.2		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=2.7km s-min=3.9km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=159.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.8km s-min=4.4km az=94.0.							
ISC	**VI**	**25 07 55 12.5–1.1**	**38.92N–.02**	**27.02E–.03**	**8–10**		**54**	**1-2**
ISK	VI	25 07 55 11.4	38.91N	27.01E	5	2.7		¶13841466
ISCJB	VI	25 07 55 12.1–.57	38.93N–.02	27.01E–.04	1–6	2.7		
CSEM	VI	25 07 55 12.7–.16	38.92N	27.01E	10	2.7		
DDA	VI	25 07 55 12.3	38.95N	27.04E	7	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=171.5.							
CSEM	Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=90.0.							
DDA	Event type ke.							
ISC	**VI**	**25 09 38 06.7–.95**	**39.94N–.03**	**40.90E–.02**	**17–8**		**48**	**0-2**
ISK	VI	25 09 38 05.4	39.88N	40.86E	5	2.9		¶13841469
ISCJB	VI	25 09 38 06.6–.51	39.91N–.03	40.91E–.03	8–5	2.9		
DDA	VI	25 09 38 07.1	40.00N	40.94E	7	3.0		
CSEM	VI	25 09 38 07.3–.20	39.97N	40.88E	10	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=164.6.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.1km s-min=3.9km az=171.0.							
ISC	**VI**	**25 13 29 05.8–.89**	**37.39N–.02**	**35.89E–.03**	**10–6**		**47**	**0-2**
ISK	VI	25 13 29 05.9	37.39N	35.88E	5	3.0		¶13841474
ISCJB	VI	25 13 29 06.3–.50	37.38N–.03	35.88E–.04	6–5	3.0		
DDA	VI	25 13 29 06.2	37.42N	35.91E	7	2.9		
CSEM	VI	25 13 29 06.4–.18	37.40N	35.90E	8	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=4.9km az=164.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.4km s-min=4.2km az=148.0.							
ISC	**VI**	**25 19 44 53.1–1.0**	**39.09N–.02**	**29.08E–.02**	**10–11**		**68**	**0-2**
ISCJB	VI	25 19 44 52.7–.54	39.08N–.03	29.06E–.03	2–6			¶13841484
DDA	VI	25 19 44 52.8	39.11N	29.03E	7	3.0		
CSEM	VI	25 19 44 53.2–.15	39.09N	29.08E	2	2.9		
ISK	VI	25 19 44 53.2	39.07N	29.12E	11	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=150.9.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=3.3km az=113.0.							
ISC	**VI**	**25 21 10 03.7–.99**	**38.92N–.03**	**39.16E–.04**	**9–10**		**26**	**0-1**
ISK	VI	25 21 10 02.0	38.88N	39.14E	17	2.6		¶13841488
CSEM	VI	25 21 10 03.8–.29	38.96N	39.22E	12	2.6		
ISCJB	VI	25 21 10 04.1–.52	38.96N–.03	39.21E–.05	8–6	2.6		
DDA	VI	25 21 10 05.0	38.89N	39.16E	7	2.4		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.8km s-min=5.8km az=59.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.0km s-min=4.8km az=10.1.							
DDA	Event type ke.							
ISC	**VI**	**26 00 04 28.6–1.0**	**38.72N–.04**	**35.57E–.03**	**9–10**		**30**	**0-2**
ISCJB	VI	26 00 04 29.0–.60	38.72N–.04	35.59E–.04	5–7			¶13841538
ISK	VI	26 00 04 28.7	38.66N	35.70E	9	3.0		
DDA	VI	26 00 04 28.2	38.75N	35.57E	7	2.8		
CSEM	VI	26 00 04 28.9–.26	38.69N	35.62E	5	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.7km s-min=4.6km az=167.5.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=7.5km s-min=5.1km az=157.0.							
ISC	**VI**	**26 00 27 14.7–1.1**	**38.93N–.02**	**27.02E–.02**	**6–10**		**67**	**0-2**
ISCJB	VI	26 00 27 14.6–.52	38.92N–.02	27.02E–.04	1–5			¶13841540
DDA	VI	26 00 27 14.7	38.94N	27.07E	7	3.0		
ISK	VI	26 00 27 14.0	38.91N	26.94E	5	2.9		
CSEM	VI	26 00 27 14.9–.12	38.93N	27.02E	2	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=178.5.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=83.0.							
ISK	**VI**	**26 09 20 08.8**	**37.25N**	**28.06E**	**28**	**2.4**		
CSEM	VI	26 09 20 07.4–.24	37.39N	28.14E	35–1	2.4		¶13841553
DDA	VI	26 09 20 11.2	37.76N	27.85E	28	2.8		
CSEM	Event type ke. Error ellipse: s-maj=5.7km s-min=3.7km az=53.0.							
DDA	Event type ke.							
ISC	**VI**	**26 11 06 10.4–1.2**	**40.53N–.04**	**35.04E–.04**	**9–12**		**23**	**0-2**
DDA	VI	26 11 06 10.2	40.52N	35.05E	7	2.8		¶15137717
CSEM	VI	26 11 06 10.2	40.52N	35.05E	7	2.8		
ISCJB	VI	26 11 06 11.3–.85	40.56N–.04	35.02E–.05	10–6	2.8		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. After DDA.							
ISCJB	Event type ke.							
ISC	**VI**	**26 12 07 33.5–1.1**	**39.73N–.03**	**36.36E–.03**	**7–13**		**35**	**1-2**
ISK	VI	26 12 07 30.9	39.76N	36.24E	10	2.7		¶13841560
CSEM	VI	26 12 07 33.2–.31	39.76N	36.33E	2	2.7		
DDA	VI	26 12 07 34.0	39.80N	36.36E	11	3.1		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=8.2km s-min=6.0km az=155.0.							
DDA	Event type ke.							
ISK	**VI**	**27 02 08 29.0**	**39.61N**	**27.06E**	**5**	**2.5**		
CSEM	VI	27 02 08 29.0	39.61N	27.06E	5	2.5		¶13841608
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.							
ISC	**VI**	**27 14 12 39.9–.95**	**38.77N–.02**	**35.58E–.02**	**10–8**		**63**	**0-3**
DDA	VI	27 14 12 39.0	38.74N	35.56E	20	2.9		¶13841612
ISK	VI	27 14 12 39.5	38.76N	35.58E	6	3.2		
CSEM	VI	27 14 12 39.6–.14	38.74N	35.57E	2	3.2		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=16.0.							
ISC	**VI**	**27 16 34 17.1–.94**	**40.34N–.03**	**27.84E–.02**	**7–7**		**44**	**0-1**
DDA	VI	27 16 34 16.9	40.34N	27.83E	7	2.7		¶13841615
ISCJB	VI	27 16 34 17.1–.43	40.35N–.03	27.85E–.03	7–5	2.7		
ISK	VI	27 16 34 17.0	40.35N	27.84E	8	2.6		
CSEM	VI	27 16 34 17.3–.09	40.34N	27.85E	8	2.6		
ISC	Event type ke.							
DDA	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=178.1.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=3.0.							
ISC	**VI**	**27 16 40 29.5–.94**	**39.58N–.02**	**38.96E–.03**	**17–8**		**42**	**0-2**
ISK	VI	27 16 40 28.6	39.58N	38.97E	21	2.9		¶13841616
ISCJB	VI	27 16 40 29.5–.48	39.57N–.03	39.01E–.04	8–5	2.9		
CSEM	VI	27 16 40 29.2–.24	39.59N	38.99E	12	2.9		
DDA	VI	27 16 40 31.1	39.57N	38.98E	6	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=34.8.							
CSEM	Event type ke. Error ellipse: s-maj=6.7km s-min=4.8km az=109.0.							
DDA	Event type ke.							
ISC	**VI**	**27 18 52 07.8–.90**	**37.22N–.03**	**28.35E–.04**	**18–5**		**32**	**0-1**
ISK	VI	27 18 52 07.0	37.25N	28.35E	20	2.5		¶13841617
CSEM	VI	27 18 52 07.8–.17	37.22N	28.36E	20	2.5		
ISCJB	VI	27 18 52 08.2–.60	37.23N–.03	28.34E–.05	23–7	2.5		
DDA	VI	27 18 52 08.2	37.23N	28.39E	7	2.7		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=132.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=5.6km az=159.2.							
DDA	Event type ke.							
ISC	**VI**	**27 21 30 49.9–.98**	**40.44N–.03**	**27.78E–.03**	**15–7**		**28**	**0-1**
ISCJB	VI	27 21 30 49.9–.66	40.45N–.05	27.78E–.05	12–6			¶13841619
ISK	VI	27 21 30 49.4	40.46N	27.76E	13	2.5		
DDA	VI	27 21 30 50.3	40.41N	27.77E	7	2.3		
CSEM	VI	27 21 30 50.1–.16	40.44N	27.78E	12	2.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.5km s-min=5.1km az=24.7.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=25.0.							
ISC	**VI**	**28 00 41 56.5–1.3**	**37.64N–.06**	**36.10E–.02**	**13–11**		**32**	**0-2**
ISK	VI	28 00 41 55.6	37.68N	36.09E	11	2.5		¶13841677
ISCJB	VI	28 00 41 56.1–.75	37.67N–.05	36.10E–.04	7–7	2.5		
DDA	VI	28 00 41 56.2	37.59N	36.10E	7	2.9		
CSEM	VI	28 00 41 56.3–.20	37.65N	36.09E	12	2.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.7km s-min=5.0km az=5.6.							
DDA	Event type ke.							
CSEM	Event type ke.							
ISC	**VI**	**28 02 30 17.8–1.0**	**38.70N–.03**	**35.60E–.03**	**10–9**		**47**	**0-2**
ISK	VI	28 02 30 17.3	38.71N	35.59E	10	3.0		¶13841680
CSEM	VI	28 02 30 17.3–.17	38.68N	35.58E	2	3.0		
DDA	VI	28 02 30 19.2	38.99N	35.72E	14	3.0		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=51.0.							
DDA	Event type ke.							
ISC	**VI**	**28 03 53 38.3–.93**	**39.94N–.02**	**39.64E–.03**	**10–8**		**49**	**0-2**
ISK	VI	28 03 53 37.2	39.96N	39.72E	13	2.7		¶13841681
ISCJB	VI	28 03 53 38.5–.47	39.94N–.02	39.63E–.04	9–4	2.7		
DDA	VI	28 03 53 38.8	39.92N	39.61E	7	3.0		
CSEM	VI	28 03 53 38.3–.20	39.94N	39.61E	5	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=178.6.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=126.0.							
ISC	**VI**	**28 07 03 52.4–.95**	**37.23N–.03**	**28.21E–.03**	**13–7**		**30**	**0-1**
ISK	VI	28 07 03 51.3	37.29N	28.23E	14	2.4		¶13841684
CSEM	VI	28 07 03 51.9–.19	37.25N	28.24E	15	2.4		
ISCJB	VI	28 07 03 52.5–.56	37.24N–.04	28.21E–.04	10–9	2.4		
DDA	VI	28 07 03 52.0	37.23N	28.19E	7	2.8		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=33.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.7km s-min=4.3km az=34.3.							
DDA	Event type ke.							
ISC	**VI**	**28 07 31 26.5–.99**	**37.29N–.04**	**28.27E–.03**	**8–10**		**28**	**0-1**
ISK	VI	28 07 31 25.5	37.31N	28.25E	4	2.6		¶13841685
CSEM	VI	28 07 31 26.9–.29	37.26N	28.23E	10	2.6		
ISCJB	VI	28 07 31 27.1–.64	37.22N–.05	28.19E–.05	12–8	2.6		
DDA	VI	28 07 31 27.2	37.22N	28.20E	7	2.7		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.8km s-min=5.3km az=32.0.							
ISCJB	Event type ke. Error ellipse: s-maj=10.6km s-min=4.6km az=36.0.							
DDA	Event type ke.							
ISC	**VI**	**28 13 21 48.1–.83**	**39.22N–.02**	**26.06E–.02**	**13–5**		**72**	**0-3**
ISK	VI	28 13 21 47.5	39.24N	26.12E	8	3.2		¶13841687
CSEM	VI	28 13 21 47.9–.12	39.23N	26.05E	10	2.8L		
ISCJB	VI	28 13 21 48.1–.48	39.23N–.02	26.05E–.04	10–3	2.8L		
DDA	VI	28 13 21 48.2	39.28N	26.17E	1	2.8		
THE	VI	28 13 21 48.5	39.22N	26.05E	7–0	2.8L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=78.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=174.9.							
DDA	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=170.0.							
ISC	**VI**	**28 14 49 41.7–1.0**	**37.22N–.03**	**28.21E–.03**	**15–7**		**26**	**0-1**
ISK	VI	28 14 49 40.9	37.23N	28.22E	18	2.5		¶13841689
DDA	VI	28 14 49 41.8	37.24N	28.23E	7	2.8		
CSEM	VI	28 14 49 41.7–.12	37.20N	28.19E	15	2.5		
ISCJB	VI	28 14 49 42.0–.61	37.18N–.04	28.18E–.05	16–8	2.5		
ISC	Event type ke.							
DDA	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**VI**	**28 17 12 58.5–.94**	**37.02N–.03**	**36.07E–.02**	**11–8**		**55**	**0-3**
ISCJB	VI	28 17 12 57.9–.50	37.01N–.03	36.09E–.03	2–5			¶13841693
ISK	VI	28 17 12 57.8	37.04N	36.08E	10	3.0		
DDA	VI	28 17 12 58.1	37.01N	36.12E	12	2.9		
CSEM	VI	28 17 12 58.3–.20	37.02N	36.06E	5	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=178.1.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=171.0.							
ISC	**VI**	**28 17 32 08.4–.83**	**39.25N–.02**	**26.06E–.02**	**15–5**		**56**	**0-2**
DDA	VI	28 17 32 05.6	39.28N	25.97E	6	3.0		¶13841694
ISCJB	VI	28 17 32 08.4–.48	39.25N–.02	26.06E–.03	9–3	3.0		
ISK	VI	28 17 32 08.5	39.33N	26.13E	5	2.8		

THE VI 28 17 32 08.2 39.27N 26.05E 13–0 2.0L
CSEM VI 28 17 32 08.0–.23 39.24N 26.05E 8 2.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=6.4.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=89.0.
ISK VI 28 22 06 33.4 39.20N 27.88E 10 2.7
DDA VI 28 22 06 32.9 39.10N 28.19E 29 2.9 ¶15137767
CSEM VI 28 22 06 33.9–.36 39.20N 27.91E 19–0 2.9
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=5.6km az=75.0.
DDA VI 28 22 06 39.0 37.86N 29.17E 7 2.8
¶13841697
DDA Event type ke.
ISC VI 28 23 40 35.5–.84 38.82N–.02 27.82E–.03 10–5 72 0-3
DDA VI 28 23 40 34.8 38.83N 27.82E 14 3.0 ¶13841700
ISK VI 28 23 40 34.5 38.82N 27.82E 5 3.0
ISCJB VI 28 23 40 35.4–.55 38.82N–.02 27.87E–.04 2–5 3.0
CSEM VI 28 23 40 35.7–.14 38.81N 27.85E 2 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=25.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=110.0.
ISC VI 29 00 03 21.7–.80 39.25N–.02 26.06E–.02 12–5 93 0-3
ISK VI 29 00 03 18.8 39.25N 25.71E 7 3.3 ¶13841756
ISCJB VI 29 00 03 21.9–.46 39.24N–.02 26.03E–.03 10–3 3.3
DDA VI 29 00 03 21.5 39.30N 26.05E 19 3.0
CSEM VI 29 00 03 21.7–.15 39.26N 26.04E 5 3.1
ATH VI 29 00 03 21.1 39.26N 26.12E 22–0 3.1
THE VI 29 00 03 22.0 39.24N 26.05E 10–1 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=154.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=73.0.
ATH Error ellipse: s-maj=0.7km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=178.0.
ISC VI 29 01 57 36.2–.99 39.09N–.03 40.30E–.03 15–8 35 0-2
ISK VI 29 01 57 35.8 39.08N 40.31E 8 2.9 ¶13841761
CSEM VI 29 01 57 36.4–.27 39.10N 40.27E 8 2.9
DDA VI 29 01 57 37.3 39.08N 40.16E 5 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.0km az=63.0.
DDA Event type ke.
ISC VI 29 02 55 26.8–.98 37.31N–.03 36.93E–.02 8–8 41 0-3
DDA VI 29 02 55 25.6 37.28N 36.91E 7 3.0 ¶13841762
ISCJB VI 29 02 55 26.4–.64 37.28N–.04 36.92E–.03 4–6 3.0
ISK VI 29 02 55 26.3 37.30N 36.92E 6 2.9
CSEM VI 29 02 55 26.7–.15 37.30N 36.93E 5 2.9
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.3km az=176.5.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=167.0.
ISC VI 29 03 25 17.8–.91 37.26N–.02 36.90E–.02 9–7 68 0-4
ISCJB VI 29 03 25 17.3–.52 37.25N–.03 36.89E–.03 4–4 ¶13841764
DDA VI 29 03 25 17.5 37.29N 36.91E 8 3.3
ISK VI 29 03 25 17.0 37.27N 36.87E 9 3.3
CSEM VI 29 03 25 17.5–.14 37.25N 36.89E 5 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=169.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=154.0.
ISC VI 29 13 30 32.5–.98 40.11N–.02 26.99E–.02 8–9 86 0-2
ISCJB VI 29 13 30 31.9–.42 40.11N–.02 26.99E–.02 1–4 ¶13841772
DDA VI 29 13 30 31.8 40.10N 27.03E 7 3.3L
ISK VI 29 13 30 32.0 40.12N 27.01E 5 2.9
CSEM VI 29 13 30 32.3–.08 40.12N 27.00E 2 2.9
THE VI 29 13 30 33.5 40.08N 26.89E 1–3 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=147.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=131.0.
THE Event type ke. Error ellipse: s-maj=5.7km s-min=0.8km az=76.0.
ISC VI 30 05 31 09.0–.84 39.47N–.02 26.85E–.02 17–6 88 0-2
ISK VI 30 05 31 07.2 39.44N 26.85E 5 3.0 ¶13841818
CSEM VI 30 05 31 08.8–.12 39.49N 26.85E 8 3.1
DDA VI 30 05 31 08.6 39.52N 26.84E 7 3.1
THE VI 30 05 31 10.4 39.46N 26.76E 10–2 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=168.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=229.0.
ISC VI 30 06 26 17.8–1.1 38.75N–.05 35.58E–.04 12–11 20 0-2
DDA VI 30 06 26 17.4 38.74N 35.57E 15 2.8 ¶15137834
CSEM VI 30 06 26 17.5 38.74N 35.57E 15 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
DDA VI 30 06 50 18.0 36.71N 33.72E 7 2.8
¶15137833
DDA Event type ke.
ISC VI 30 08 43 53.4–.87 37.24N–.03 28.25E–.02 12–6 37 0-1
ISCJB VI 30 08 43 53.2–.48 37.27N–.03 28.25E–.03 1–18 ¶13841819
CSEM VI 30 08 43 53.6–.17 37.26N 28.24E 5 2.6
DDA VI 30 08 43 53.4 37.23N 28.23E 7 2.9
ISK VI 30 08 43 53.3 37.23N 28.19E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=35.2.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=34.0.
DDA Event type ke.
ISC VI 30 15 24 13.1–.91 39.99N–.02 28.07E–.02 12–8 60 0-2
ISCJB VI 30 15 24 12.8–.38 40.01N–.02 28.07E–.03 7–5 ¶13841821
ISK VI 30 15 24 12.5 40.00N 28.06E 11 2.8
DDA VI 30 15 24 13.3 39.96N 28.06E 7 2.9
CSEM VI 30 15 24 13.0–.06 40.00N 28.06E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=3.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=45.0.
ISC VI 30 16 36 58.7–.00 37.38N–.02 27.13E–.02 8–9 54 0-3
DDA VI 30 16 36 58.0 37.36N 27.13E 7 3.0 ¶13841823
ISCJB VI 30 16 36 58.3–.58 37.36N–.02 27.13E–.04 6–6 3.0
ATH VI 30 16 36 58.2 37.36N 27.13E 11–4 3.2
ISK VI 30 16 36 58.4 37.37N 27.16E 5 2.8
CSEM VI 30 16 36 58.5–.11 37.36N 27.12E 5 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.0km az=164.9.
ATH Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=59.0.
ISC VI 30 17 21 29.8–1.3 40.04N–.04 26.96E–.03 3–15 36 0-2
DDA VI 30 17 21 28.4 39.98N 27.01E 7 2.8 ¶13841824
ISK VI 30 17 21 29.4 40.08N 26.97E 6 2.8
CSEM VI 30 17 21 29.6–.27 40.05N 26.96E 5 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=2.7km az=30.0.
ISC VI 30 17 43 20.3–1.3 40.05N–.04 26.94E–.03 5–11 34 0-2
ISCJB VI 30 17 43 20.3–.86 40.06N–.05 26.91E–.05 5–8 ¶13841825
CSEM VI 30 17 43 20.5–.30 40.05N 26.92E 8 2.7
DDA VI 30 17 43 21.9 40.06N 27.10E 7 2.8
ISK VI 30 17 43 21.3 40.15N 26.94E 9 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.7km az=36.5.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.2km az=36.0.
DDA Event type ke.
ISC VI 30 21 38 24.0–1.2 37.96N–.04 28.96E–.06 9–12 13 0-1
ISK VI 30 21 38 23.3 37.95N 28.96E 6 2.6 ¶13841826
DDA VI 30 21 38 24.8 37.92N 29.05E 7 2.8
ISC Event type ke.
DDA Event type ke.

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ISC I 11 02 31 57.7–.96 41.25N–.01 43.53E–.02 8–10 132 0-4
TIF I 11 02 31 57.2 41.26N 43.59E 15–1 ¶12854628
ISK I 11 02 31 57.4 41.22N 43.60E 5 3.1
NSSP I 11 02 31 57.1 41.15N 43.47E 12 2.7s
MOS I 11 02 31 58.1–.56 41.40N 42.96E 1 3.9b
CSEM I 11 02 31 58.8–.24 41.16N 43.40E 2 2.7L
ISCJB I 11 02 31 58.3–.47 41.23N–.01 43.50E–.02 1–3 2.7L
AZER I 11 02 32 01.6 41.42N 44.07E 0 2.7L
ISC Event type ke.
MOS Error ellipse: s-maj=37.8km s-min=9.9km az=65.3.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=176.5.
ISC I 15 05 11 05.8–1.0 41.19N–.04 42.15E–.03 10–7 46 0-2
ISCJB I 15 05 11 05.5–.65 41.24N–.04 42.17E–.03 2–5 ¶12854716
DDA I 15 05 11 05.6 41.18N 42.10E 18 2.9
ISK I 15 05 11 05.4 41.21N 42.12E 10 2.2L
CSEM I 15 05 11 06.0–.47 41.20N 42.15E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.1km az=8.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=6.1km az=34.0.
ISC II 02 20 07 59.9–1.2 41.12N–.04 43.85E–.03 8–12 34 0-2
TIF II 02 20 08 00.7 41.05N 43.92E 15–2 ¶14358737
ISCJB II 02 20 08 01.8–1.3 41.08N–.05 43.86E–.04 6–9
CSEM II 02 20 08 01.3–.25 41.12N 43.84E 2 3.0
DDA II 02 20 08 08.1 40.86N 43.41E 16 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.4km az=164.7.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=4.3km az=152.0.
DDA Event type ke.
ISC II 02 21 58 57.6–1.5 41.08N–.07 43.85E–.04 16–12 26 0-2
TIF II 02 21 58 56.6 41.03N 43.92E 10–3 ¶14358738
ISCJB II 02 21 58 57.0–1.5 41.01N–.06 43.86E–.04 6–8
CSEM II 02 21 58 57.8–.57 41.15N 43.79E 2 2.9
DDA II 02 21 58 59.8 41.45N 43.58E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.5km az=161.9.
CSEM Event type ke. Error ellipse: s-maj=27.4km s-min=3.5km az=159.0.
DDA Event type ke.
ISC II 04 06 21 52.9–1.1 41.30N–.03 43.92E–.03 12–10 40 0-3
ISCJB II 04 06 21 52.7–.69 41.27N–.03 43.91E–.03 3–6 ¶13434239
ISK II 04 06 21 52.1 41.30N 43.89E 11 3.3
TIF II 04 06 21 52.1 41.27N 43.95E 14–2 3.3
CSEM II 04 06 21 52.9–.21 41.26N 43.94E 10 3.3
DDA II 04 06 21 54 41.55N 43.70E 19 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=153.1.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.1km az=154.0.
DDA Event type ke.
ISC II 14 13 04 43.6–1.2 41.03N–.10 43.20E–.08 16 8 0-2
¶16408990
ISC Event type ke.
ISC II 18 16 52 27.3–1.5 41.11N–.07 43.90E–.04 10–11 16 0-2
¶16409008
ISC Event type ke.
ISC II 22 13 45 06.5–1.1 41.93N–.02 42.70E–.02 3–10 125 1-4
TIF II 22 13 45 06.0 41.97N 42.66E 21–2 ¶13434976
CSEM II 22 13 45 06.8–.13 41.93N 42.69E 2 3.4
MOS II 22 13 45 07.3–.45 41.86N 42.70E 15 4.2b
ISK II 22 13 45 07.5 41.89N 42.60E 14 3.5
NSSP II 22 13 45 07.1 41.92N 42.78E 12 2.8s
DDA II 22 13 45 11.4 41.88N 42.46E 15 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=126.0.
MOS Error ellipse: s-maj=16.3km s-min=7.7km az=72.5.
DDA Event type ke.
ISC II 22 18 03 01.7–1.0 41.95N–.02 42.67E–.02 9–10 97 1-4
TIF II 22 18 03 00.7 41.97N 42.66E 17–5 ¶13434983
CSEM II 22 18 03 01.5–.18 41.94N 42.66E 2 3.2
ISK II 22 18 03 02.4 41.94N 42.57E 17 3.5
MOS II 22 18 03 04.5–.93 41.93N 42.82E 21 4.2b
DDA II 22 18 03 08.4 41.83N 42.20E 12 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=3.1km az=134.0.
MOS Error ellipse: s-maj=27.0km s-min=9.2km az=60.2.
DDA Event type ke.
ISC II 27 12 53 29.8–.98 41.37N–.03 41.36E–.02 18–5 59 0-3
ISK II 27 12 53 28.6 41.52N 41.32E 23 3.1 ¶13435150
CSEM II 27 12 53 30.1–.30 41.36N 41.38E 15 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.3km az=171.0.
ISC II 27 23 13 21.3–1.2 40.97N–.03 43.33E–.03 13–10 42 0-2
ISK II 27 23 13 20.3 40.98N 43.30E 2 3.1 ¶13435174
TIF II 27 23 13 20.7 40.93N 43.41E 11–2 3.1
CSEM II 27 23 13 21.3–.26 40.98N 43.35E 8 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.1km az=168.0.
ISC IV 24 20 28 28.9–1.4 41.13N–.03 43.89E–.04 7–13 29 0-2
TIF IV 24 20 28 28.6 41.16N 43.96E 14–3 ¶13568378
ISK IV 24 20 28 31.6 40.03N 43.21E 28 3.0
CSEM IV 24 20 28 31.6 40.03N 43.21E 28 3.0
DDA IV 24 20 28 54.2 41.19N 41.76E 11 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
DDA Event type ke.
TIF IV 25 03 55 34.3 41.17N 43.96E 5–4
DDA IV 25 03 55 38.6 42.52N 42.05E 11 3.1 ¶14694625
DDA Event type ke.
ISC IV 25 07 47 53.2–1.5 41.09N–.07 43.88E–.03 5–11 33 0-2
TIF IV 25 07 47 52.5 41.12N 43.92E 8–2 ¶14694626
CSEM IV 25 07 47 53.2–.22 41.09N 43.88E 2 3.4
DDA IV 25 07 47 54.8 41.43N 43.67E 7 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=2.7km az=164.0.
DDA Event type ke.
ISC V 04 23 52 41.5–1.3 41.20N–.06 43.70E–.03 8–11 19 0-2
TIF V 04 23 52 41.9 41.25N 43.77E 12–2 ¶14761415
ISCJB V 04 23 52 41.8–1.0 41.21N–.05 43.72E–.03 4–7
DDA V 04 23 52 44.5 42.03N 42.88E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.1km az=167.9.
DDA Event type ke.
ISC V 10 11 45 32.5–1.2 41.39N–.04 43.94E–.03 7–10 26 0-2
TIF V 10 11 45 31.5 41.37N 43.96E 11–2 ¶14761523
ISCJB V 10 11 45 31.8–.65 41.35N–.04 43.93E–.03 1–6
DDA V 10 11 45 34.8 42.44N 42.39E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.5km az=161.4.
DDA Event type ke.

ISC	**V**	**16 16 10 30.1–1.1**	**41.09N–.03**	**42.40E–.02**	**1–11**		**56**	**0-3**
ISK	V	16 16 10 29.1	41.19N	42.42E	5	3.1		**¶13839767**
TIF	V	16 16 10 30.4	41.10N	42.44E	10–1	3.1		
CSEM	V	16 16 10 30.7–.19	41.10N	42.35E	2	3.1		
DDA	V	16 16 10 31.2	41.13N	42.26E	20	3.1		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=165.0.							
DDA	Event type ke.							
ISC	**VI**	**02 01 09 36.1–1.0**	**41.07N–.02**	**43.96E–.02**	**4–9**		**120**	**0-3**
TIF	VI	02 01 09 34.9	41.08N	44.00E	5–1			**¶13840234**
MOS	VI	02 01 09 35.6–2.4	40.93N	44.10E	10	3.9b		
CSEM	VI	02 01 09 36.7–.22	41.01N	43.95E	2	2.7L		
ISK	VI	02 01 09 36.4	41.01N	43.93E	6	3.2		
NSSP	VI	02 01 09 39.5	41.07N	43.93E	10	2.7s		
DDA	VI	02 01 09 45.1	40.57N	43.11E	7	3.3		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=14.5km s-min=5.8km az=87.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=132.0.							
DDA	Event type ke.							
ISC	**VI**	**13 09 49 18.6–1.4**	**40.97N–.05**	**43.29E–.05**	**6–14**		**12**	**0-2**
DDA	VI	13 09 49 24.4	40.68N	42.85E	7	2.7		**¶15137394**
ISC	Event type ke.							
DDA	Event type ke.							
ISC	**VI**	**15 08 55 05.5–1.0**	**41.50N–.08**	**43.38E–.05**	**16–8**		**12**	**0-1**
TIF	VI	15 08 55 05.9	41.56N	43.45E	12–3			**¶14766875**
ISCJB	VI	15 08 55 06.1–.72	41.46N–.06	43.40E–.06	19–8			
DDA	VI	15 08 55 06.7	41.32N	43.30E	7	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.5km s-min=5.6km az=152.3.							
DDA	Event type ke.							
TIF	**VI**	**17 06 07 56.2**	**42.00N**	**43.71E**	**19–2**			
								¶14766881
ISC	**VI**	**18 07 34 54.7–.83**	**40.26N–.02**	**44.80E–.01**	**7–6**	**4.1b,3.3s**	**200**	**0-46**
TIF	VI	18 07 34 51.6	40.16N	44.77E	13–2	4.1b,3.3s		**¶13681582**
NSSP	VI	18 07 34 51.7	40.23N	44.82E	7	3.8s,3.3s		
AZER	VI	18 07 34 52.8	40.24N	44.77E	1	3.8s,3.3s		
MOS	VI	18 07 34 53.7–1.5	40.13N	44.76E	11	4.2b,3.3s		
DDA	VI	18 07 34 54.8	40.24N	44.69E	6	3.6,3.3s		
ISK	VI	18 07 34 54.2	40.25N	44.81E	8	4.0,3.3s		
IDC	VI	18 07 34 54.1–1.1	40.17N	44.66E	0	3.9,3.9		
CSEM	VI	18 07 34 55.9–.19	40.28N	44.68E	2	4.1b,3.9		
NNC	VI	18 07 35 11.0–10	40.42N	45.92E	54–71	4.0b,3.9		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=7.6km s-min=5.3km az=94.7.							
DDA	Event type ke.							
IDC	Error ellipse: s-maj=21.0km s-min=8.8km az=28.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.3km s-min=4.6km az=161.0.							
NNC	Error ellipse: s-maj=88.3km s-min=59.0km az=94.0.							
ISC	**VI**	**21 02 53 12.6–.85**	**40.27N–.02**	**44.76E–.02**	**11–6**		**62**	**0-3**
NSSP	VI	21 02 53 12.0	40.28N	44.77E	5	2.8s		**¶14341968**
CSEM	VI	21 02 53 14.6–.36	40.36N	44.69E	2	2.8L		
TIF	VI	21 02 53 15.6	40.37N	44.81E	15–3	2.8L		
DDA	VI	21 02 53 21.2	40.15N	44.20E	2	3.2		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=8.2km s-min=6.8km az=83.0.							
DDA	Event type ke.							
ISC	**VI**	**23 19 02 30.8–.97**	**40.36N–.04**	**43.31E–.03**	**9–7**		**25**	**0-2**
ISCJB	VI	23 19 02 30.9–.62	40.40N–.05	43.36E–.06	10–4			**¶13841285**
DDA	VI	23 19 02 31.0	40.36N	43.31E	7	2.9		
ISK	VI	23 19 02 30.1	40.36N	43.33E	7	2.8		
CSEM	VI	23 19 02 30.2–.10	40.36N	43.35E	8	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.1km s-min=5.5km az=39.4.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=53.0.							
ISC	**VI**	**25 15 45 14.0–1.1**	**40.10N–.02**	**43.19E–.04**	**10–10**		**30**	**0-2**
ISCJB	VI	25 15 45 13.7–.69	40.08N–.03	43.22E–.05	2–7			**¶13841478**
ISK	VI	25 15 45 13.6	40.10N	43.20E	8	2.8		
DDA	VI	25 15 45 13.3	40.08N	43.21E	7	2.9		
CSEM	VI	25 15 45 13.5–.20	40.09N	43.24E	2	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=4.2.							
DDA	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.6km s-min=3.4km az=89.0.							
DDA	**VI**	**26 10 57 11.0**	**40.90N**	**43.74E**	**27**	**3.0**		
								¶15137718
DDA	Event type ke.							
ISC	**VI**	**30 13 36 34.2–.94**	**41.25N–.02**	**43.84E–.02**	**15–8**		**75**	**0-2**
NSSP	VI	30 13 36 33.5	41.13N	43.63E	19	2.9s		**¶14341973**
ISCJB	VI	30 13 36 34.6–.47	41.26N–.02	43.82E–.03	12–3	2.9s		
TIF	VI	30 13 36 34.6	41.24N	43.88E	22–2	2.9s		
CSEM	VI	30 13 36 34.2–.25	41.26N	43.82E	10	2.9L		
DDA	VI	30 13 36 35.2	41.04N	43.65E	7	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=33.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=30.0.							
DDA	Event type ke.							

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ISC	**I**	**01 00 03 13.9–1.7**	**36.3N–.10**	**21.33E–.09**	**15**	**3.8b**	**21**	**1-46**
ATH	I	01 00 03 14.9	36.01N	21.49E	15–2	3.6		**¶12079716**
IDC	I	01 00 03 22.6–3.5	37.28N	22.83E	0	3.6,3.5b		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=2.0km s-min=2.0km az=-1.0.							
IDC	Error ellipse: s-maj=89.5km s-min=30.5km az=178.0.							
ISC	**I**	**02 17 31 19.3–.85**	**36.14N–.04**	**23.35E–.04**	**64–8**	**3.6b**	**123**	**0-45**
IDC	I	02 17 31 09.8–1.9	37.93N	21.46E	0	3.5b,3.4		**¶12079837**
ISCJB	I	02 17 31 18.6–.38	36.09N–.03	23.34E–.05	83–6	3.3b,3.4		
CSEM	I	02 17 31 19.5–.19	36.07N	23.32E	75–5	3.2L,3.4		
ATH	I	02 17 31 19.5	36.16N	23.36E	64–3	3.2L,3.4		
THE	I	02 17 31 21.1	36.16N	23.38E	58–2	3.3L,3.4		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=128.6km s-min=27.5km az=141.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.9km s-min=3.8km az=153.6.							
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=2.9km az=63.0.							
ATH	Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=2.2km s-min=0.4km az=231.0.							
ISC	**I**	**03 10 10 20.6–.97**	**37.85N–.02**	**21.10E–.02**	**17–7**	**3.5b**	**132**	**0-46**
IDC	I	03 10 10 18.1–1.4	37.98N	20.94E	0	3.6b,3.6		**¶12079891**
THE	I	03 10 10 20.8	37.85N	21.10E	21–0	3.4L,3.6		
ATH	I	03 10 10 20.2	37.84N	21.08E	15–1	3.1L,3.6		
CSEM	I	03 10 10 20.6–.27	37.85N	21.12E	2	3.4L,3.6		
ISCJB	I	03 10 10 20.2–.58	37.83N–.02	21.04E–.03	14–4	3.5b,3.6		
ISC	Event type ke.							
THE	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**I**	**04 05 10 34.6–.53**	**36.82N–.02**	**22.13E–.02**	**15–3**	**4.3b**	**556**	**0-121**
IDC	I	04 05 10 31.7–.58	36.80N	22.21E	0	4.2b,4.2		**¶13404594**
CSEM	I	04 05 10 33.5–.15	36.66N	22.12E	10	4.4b,3.9s		
NEIC	I	04 05 10 33.5–.25	36.73N	22.28E	10	4.3b,4.1L		
ISCJB	I	04 05 10 33.5–.42	36.60N–.02	22.12E–.02	24–2	4.3b,4.1L		
MOS	I	04 05 10 35.1–1.1	36.75N	22.14E	33	4.4b,4.1s		
THE	I	04 05 10 35.7	36.80N	22.13E	0–0	4.1L,4.1s		
TEH	I	04 05 10 35.0	36.84N	22.12E	1	4.3L,4.1s		
ATH	I	04 05 10 35.5	36.82N	22.13E	14–0	4.0L,4.1s		
PRU	I	04 05 10 38.5	37.27N	23.59E	0	4.3,4.1s		
VIE	I	04 05 10 45.0–.86	37.54N	21.63E	10	3.9s,3.5b		
ISC	Event type de.							
IDC	Error ellipse: s-maj=15.1km s-min=13.5km az=156.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=42.0.							
NEIC	Event type de. Error ellipse: s-maj=5.4km s-min=3.3km az=206.0. One person killed and one injured by a falling wall at Khora Gaitson. Felt at Kalamata and Sparta.							
ISCJB	Event type de. Error ellipse: s-maj=3.5km s-min=2.8km az=18.7.							
MOS	Error ellipse: s-maj=10.3km s-min=4.5km az=85.0.							
THE	Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=201.0.							
ATH	Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0.							
VIE	Error ellipse: s-maj=9.7km s-min=6.5km az=30.0. 77 km S of Patras .							
ISC	**I**	**08 03 10 57.8–.61**	**37.03N–.03**	**24.80E–.03**	**149–6**	**3.8b**	**137**	**1-76**
HLW	I	08 03 10 55.3	37.22N	24.87E	33–14	3.6L,0.0		**¶12080705**
ISCJB	I	08 03 10 57.1–.25	37.00N–.02	24.80E–.04	153–3	3.7b,0.0		
ATH	I	08 03 10 57.9	37.01N	24.77E	146–1	2.8L,0.0		
CSEM	I	08 03 10 58.0–.17	36.99N	24.79E	148–2	2.8L,0.0		
IDC	I	08 03 10 59.1–2.2	37.05N	25.01E	162–25	3.5b,3.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=2.9km az=144.5.							
ATH	Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.9km s-min=2.7km az=55.0.							
IDC	Error ellipse: s-maj=15.8km s-min=13.5km az=98.0.							
ISC	**I**	**10 00 36 51.9–.85**	**37.47N–.02**	**23.43E–.02**	**15–5**		**160**	**0-2**
ISCJB	I	10 00 36 51.6–.61	37.42N–.02	23.45E–.03	13–3			**¶14188795**
ATH	I	10 00 36 51.9	37.47N	23.38E	15–2	2.8L		
CSEM	I	10 00 36 51.3–.24	37.42N	23.46E	15	2.8L		
THE	I	10 00 36 52.5	37.48N	23.43E	9–0	2.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=135.5.							
ATH	Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=132.0.							
THE	Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=142.0.							
ISC	**I**	**11 01 31 25.7–1.2**	**37.86N–.05**	**21.38E–.02**	**12–7**		**52**	**0-2**
THE	I	11 01 31 24.7	37.80N	21.37E	2–1	2.4L		**¶14188843**
CSEM	I	11 01 31 25.5–.46	37.87N	21.35E	2	3.2		
ATH	I	11 01 31 26.6	37.92N	21.37E	14–11	3.2		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=308.0.							
CSEM	Event type ke. Error ellipse: s-maj=9.1km s-min=5.2km az=179.0.							
ATH	Error ellipse: s-maj=10.3km s-min=2.8km az=-1.0.							
ISC	**I**	**11 02 37 46.3–1.2**	**37.81N–.03**	**21.38E–.03**	**8–9**		**63**	**0-6**
THE	I	11 02 37 45.9	37.79N	21.37E	10–1	2.5L		**¶14188846**
ISCJB	I	11 02 37 46.1–.75	37.83N–.03	21.33E–.03	7–5	2.5L		
CSEM	I	11 02 37 46.0–.22	37.84N	21.33E	8	3.3		
ATH	I	11 02 37 47.2	37.92N	21.41E	21–2	3.3		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=190.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=162.5.							
CSEM	Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=179.0.							
ATH	Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.							
ISC	**I**	**11 10 50 03.8–.47**	**37.60N–.02**	**22.63E–.02**	**65–4**	**4.0b**	**454**	**0-78**
ISCJB	I	11 10 50 03.5–.18	37.61N–.01	22.61E–.02	79–2	3.9b		**¶13404806**
IDC	I	11 10 50 04.2–1.8	37.57N	22.63E	73–17	3.7b,3.7		
ATH	I	11 10 50 04.0	37.61N	22.65E	67–1	4.2L,3.7		
THE	I	11 10 50 04.8	37.61N	22.67E	66–1	4.1L,3.7		
PDG	I	11 10 50 04.2–.69	37.63N	22.62E	72–3	4.3L,3.7		
CSEM	I	11 10 50 05.2–.09	37.61N	22.62E	60	4.0L,3.8W		
HLW	I	11 10 50 05.9	37.33N	22.84E	33–17	3.6L,0.0		
SKO	I	11 10 50 22.1	38.95N	23.01E	14	3.6L,0.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=136.7.							
IDC	Error ellipse: s-maj=16.4km s-min=12.8km az=140.0.							
ATH	Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=238.0.							
PDG	Event type ke. Error ellipse: s-maj=0.9km s-min=1.0km az=0.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=43.0.							
ISC	**I**	**23 09 55 43.1–2.1**	**36.46N–.07**	**21.47E–.06**	**14–10**		**53**	**0-7**
ATH	I	23 09 55 44.8	36.52N	21.55E	17–2	3.5		**¶14189041**
CSEM	I	23 09 55 45.4–.50	36.49N	21.67E	2	3.0L		
THE	I	23 09 55 46.9	36.55N	21.72E	10–1	3.0L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9.6km s-min=5.4km az=42.0.							
THE	Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=211.0.							
ATH	**I**	**24 00 45 54.2**	**36.34N**	**22.40E**	**7–4**	**3.5**		
CSEM	I	24 00 45 54.2	36.34N	22.40E	7	3.5		**¶14358455**
ATH	Error ellipse: s-maj=1.8km s-min=1.7km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ISC	**I**	**25 00 42 44.0–.97**	**37.80N–.02**	**21.18E–.03**	**24–7**	**3.8b**	**172**	**0-74**
IDC	I	25 00 42 40.7–1.0	37.91N	21.28E	0	3.7L,3.7b		**¶12082264**
ISCJB	I	25 00 42 44.2–.47	37.79N–.03	21.12E–.03	28–3	3.7b,3.7b		
CSEM	I	25 00 42 44.3–.19	37.79N	21.20E	8	3.3L,3.7b		
ATH	I	25 00 42 44.4	37.79N	21.27E	19–1	3.3L,3.7b		
THE	I	25 00 42 45.1	37.80N	21.26E	10–1	3.4L,3.7b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=19.9km s-min=17.5km az=27.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=27.2.							
CSEM	Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=40.0.							
ATH	Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=249.0.							
ATH	**II**	**02 10 38 49.9**	**36.39N**	**22.02E**	**23**	**3.8**		
CSEM	II	02 10 38 49.9	36.39N	22.02E	23	3.8		**¶14358715**
ATH	Error ellipse: s-maj=4.7km s-min=4.7km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ISC	**II**	**04 14 10 18.6–.00**	**37.07N–.02**	**22.83E–.02**	**57–6**		**195**	**0-45**
IDC	II	04 14 09 54.7–11	35.98N	21.05E	0	3.7b,3.5		**¶12699536**
ISCJB	II	04 14 10 18.1–.36	37.06N–.02	22.82E–.03	68–4	3.5b,3.5		
ATH	II	04 14 10 18.1	37.06N	22.85E	60–1	3.1L,3.5		
THE	II	04 14 10 19.0	37.07N	22.83E	59–1	3.5L,3.5		
CSEM	II	04 14 10 19.2–.08	37.07N	22.82E	55–2	3.1L,3.5		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=328.6km s-min=113.5km az=176.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=147.5.							
ATH	Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=251.0.							
CSEM	Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=57.0.							
ISC	**II**	**15 15 31 02.2–2.3**	**36.32N–.08**	**21.84E–.07**	**3–14**		**43**	**1-2**
ATH	II	15 15 31 00.9	36.28N	21.79E	13–1	3.1		**¶14189535**
CSEM	II	15 15 31 01.3–.65	36.27N	21.84E	2	2.7L		
THE	II	15 15 31 02.6	36.32N	21.88E	0–6	2.7L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=13.0km s-min=5.4km az=45.0.							
THE	Event type ke. Error ellipse: s-maj=7.7km s-min=1.3km az=213.0.							
ISC	**II**	**17 06 31 10.0–.99**	**37.96N–.04**	**21.14E–.02**	**16–7**		**47**	**0-2**
ATH	II	17 06 31 08.3	38.12N	21.16E	30–0	2.6		**¶14189587**
THE	II	17 06 31 09.2	37.80N	21.16E	3–23	2.4L		
CSEM	II	17 06 31 09.5–.32	37.87N	21.14E	10	2.6		
ISCJB	II	17 06 31 10.1–.71	37.91N–.08	21.11E–.05	27–8	2.6		
ISC	Event type ke.							
THE	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**II**	**17 13 21 58.6–1.7**	**36.17N–.05**	**21.71E–.06**	**1–11**		**93**	**1-4**
ISCJB	II	17 13 21 57.4–1.1	36.15N–.04	21.66E–.07	0–8			**¶14189602**
ATH	II	17 13 21 58.7	36.19N	21.70E	22–2	3.5		
CSEM	II	17 13 21 59.7–.36	36.21N	21.75E	5	3.1L		
THE	II	17 13 22 00.2	36.22N	21.74E	0–3	3.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.9km s-min=5.4km az=150.7.							
ATH	Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=8.6km s-min=4.1km az=53.0.							
THE	Event type ke. Error ellipse: s-maj=3.9km s-min=1.4km az=213.0.							
ISC	**II**	**18 07 37 22.7–1.7**	**36.17N–.05**	**21.68E–.05**	**11–10**		**106**	**1-4**
ISCJB	II	18 07 37 22.1–.87	36.15N–.04	21.61E–.05	16–6			**¶14189671**

ATH II 18 07 37 22.6 36.16N 21.64E 33–1 3.7
CSEM II 18 07 37 22.6–.33 36.19N 21.69E 10 3.5L
THE II 18 07 37 24.1 36.21N 21.78E 10–1 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.3km az=149.9.
ATH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=3.9km az=56.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=250.0.
ISC II 19 02 41 30.5–1.1 36.39N–.02 23.95E–.03 24–13 60 1-2
ATH II 19 02 41 28.3 36.42N 24.04E 19–0 3.1 ¶14189708
ISCJB II 19 02 41 30.5–.79 36.40N–.03 23.98E–.05 26–9 3.1
CSEM II 19 02 41 30.9–.15 36.38N 23.94E 30 3.1
THE II 19 02 41 31.9 36.39N 23.94E 32–36 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.0km az=149.5.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=52.0.
THE Event type ke. Error ellipse: s-maj=36.2km s-min=1.0km az=237.0.
THE II 19 02 58 00.2 37.83N 21.25E 2–3 2.7L
CSEM II 19 02 57 59.9–.26 37.82N 21.25E 2 2.7L ¶14359288
ATH II 19 02 57 59.4 37.79N 21.24E 5–1 3.1
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.5km az=337.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=44.0.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
ISC II 19 17 46 20.3–1.0 37.92N–.03 21.49E–.02 19–2 60 0-2
ISCJB II 19 17 46 20.7–.50 37.93N–.04 21.49E–.03 22–5 ¶14189719
THE II 19 17 46 20.3 37.90N 21.51E 16–1 2.7L
ATH II 19 17 46 20.3 37.92N 21.46E 18–1 2.6
CSEM II 19 17 46 20.1–.21 37.91N 21.49E 13–2 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.1km az=173.5.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=351.0.
ATH Error ellipse: s-maj=0.6km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=171.0.
ATH II 24 08 10 06.2 36.47N 21.85E 19–9 3.2
CSEM II 24 08 10 06.2 36.47N 21.85E 19 3.2 ¶14189843
ATH Error ellipse: s-maj=6.7km s-min=5.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC II 24 22 44 41.5–1.3 36.97N–.03 22.22E–.03 11–11 52 0-2
THE II 24 22 44 41.9 36.95N 22.23E 8–1 3.0L ¶14189855
CSEM II 24 22 44 41.9–.22 36.95N 22.22E 2 3.5
ISCJB II 24 22 44 42.0–.71 36.95N–.04 22.19E–.04 9–6 3.5
ATH II 24 22 44 42.1 36.96N 22.19E 14–0 3.5
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=155.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.2km az=165.7.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
ISC III 03 12 48 57.5–.91 37.76N–.02 21.21E–.02 29–6 3.5b 165 0-74
IDC III 03 12 48 49.7–4.9 37.53N 20.99E 0 3.6,3.6 ¶12702348
ATH III 03 12 48 57.2 37.74N 21.25E 26–0 3.2L,3.6
CSEM III 03 12 48 57.6–.16 37.75N 21.23E 15 3.3L,3.6
ISCJB III 03 12 48 58.1–.42 37.75N–.02 21.20E–.03 26–3 3.5b,3.6
THE III 03 12 48 58.1 37.76N 21.22E 16–0 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=100.0km s-min=40.7km az=22.0.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=42.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=42.4.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=232.0.
ATH III 03 13 56 19.4 37.74N 21.28E 23–14 3.1
CSEM III 03 13 56 19.4 37.74N 21.28E 23 3.1 ¶14359602
ATH Error ellipse: s-maj=4.3km s-min=3.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
THE III 03 15 24 17.7 37.06N 21.96E 8–0 3.1L
CSEM III 03 15 24 17.8–.22 37.09N 21.96E 2 2.9L ¶14190067
ATH III 03 15 24 17.6 37.05N 21.99E 5–2 2.9L
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=234.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=55.0.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
ISC III 04 07 50 34.9–1.5 36.32N–.06 22.38E–.04 11–10 38 0-2
CSEM III 04 07 50 33.9–.41 36.27N 22.37E 12 1.7L ¶14190107
ISCJB III 04 07 50 34.2–1.5 36.30N–.07 22.40E–.05 11–6 1.7L
THE III 04 07 50 34.9 36.33N 22.40E 1–3 1.7L
ATH III 04 07 50 35.5 36.36N 22.47E 23–1 3.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=3.8km az=22.0.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=5.5km az=25.8.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.7km az=205.0.
ATH Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0.
ISC III 04 23 09 12.5–1.1 37.35N–.02 23.40E–.04 17–4 42 0-1
ISCJB III 04 23 09 12.4–.77 37.36N–.04 23.43E–.07 23–5 ¶14359626
ATH III 04 23 09 12.8 37.36N 23.37E 22–1 2.8
CSEM III 04 23 09 12.1–.35 37.36N 23.43E 18–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.4km az=20.5.
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=5.7km az=104.0.
ISC III 06 01 45 52.5–.82 37.61N–.02 22.93E–.01 14–6 3.8b 184 0-45
ISCJB III 06 01 45 52.4–.43 37.58N–.01 22.96E–.02 13–3 3.7b ¶12702531
THE III 06 01 45 52.6 37.59N 22.94E 11–0 3.6L
ATH III 06 01 45 52.2 37.59N 22.93E 21–0 3.5L
CSEM III 06 01 45 52.1–.10 37.60N 22.93E 8 3.6L
IDC III 06 01 45 57.4–3.6 37.64N 22.93E 64–38 3.5b,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=2.1.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=159.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=107.0.
IDC Error ellipse: s-maj=62.6km s-min=22.2km az=138.0.
ISC III 09 16 18 37.9–1.8 36.15N–.06 21.84E–.05 2–10 96 1-3
ATH III 09 16 18 36.3 36.10N 21.80E 5–4 3.4L ¶14190199
THE III 09 16 18 38.9 36.21N 21.88E 0–1 3.5L
CSEM III 09 16 18 39.9–.52 36.23N 21.95E 2 3.5L
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=202.0.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=6.2km az=43.0.
ISC III 10 04 28 38.0–.89 36.98N–.03 22.18E–.03 12–7 46 0-2
ISCJB III 10 04 28 37.7–.53 36.97N–.03 22.17E–.04 10–4 ¶14190210
THE III 10 04 28 37.9 36.98N 22.19E 0–1 2.2L
CSEM III 10 04 28 37.5–.27 36.96N 22.20E 12 2.2L
ATH III 10 04 28 38.2 37.04N 22.10E 22–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=149.5.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=89.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.7km az=137.0.
ATH Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0.
ISC III 13 02 05 10.3–.83 36.75N–.04 21.57E–.03 20–1 3.5b 114 0-46
IDC III 13 02 05 06.6–1.3 36.82N 21.67E 0 3.6b,3.6 ¶12703133
ISCJB III 13 02 05 09.0–1.0 36.63N–.04 21.52E–.06 18–6 3.5b,3.6
THE III 13 02 05 09.8 36.66N 21.50E 6–2 3.4L,3.6
CSEM III 13 02 05 09.5–.50 36.71N 21.51E 10 3.1L,3.6
ATH III 13 02 05 12.3 36.86N 21.73E 24–0 3.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=23.8km az=127.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.0km az=138.7.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=125.0.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=6.0km az=37.0.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
ATH III 14 13 30 41.6 37.42N 23.15E 5–3 1.9L
CSEM III 14 13 30 41.6 37.42N 23.15E 5 1.9L ¶14369954
ATH Error ellipse: s-maj=0.8km s-min=1.5km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH III 16 23 45 34.3 37.95N 23.15E 5–3 1.0L
CSEM III 16 23 45 34.3 37.95N 23.15E 5 1.0L ¶14370002
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC III 17 07 18 11.9–.98 36.97N–.03 22.14E–.03 14–8 27 0-1
ISCJB III 17 07 18 11.8–.58 36.98N–.04 22.14E–.05 14–6 ¶14190395
ATH III 17 07 18 11.7 37.01N 22.06E 23–4 3.0
CSEM III 17 07 18 11.6–.21 36.98N 22.14E 11–1 3.0
THE III 17 07 18 12.3 36.97N 22.16E 2–27 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.6km az=40.0.
ATH Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.4km az=108.0.
THE Event type ke. Error ellipse: s-maj=27.4km s-min=0.7km az=213.0.
ISC III 17 08 07 21.7–.79 36.96N–.02 22.16E–.02 11–5 4.2b,3.4s 475 0-121
MOS III 17 08 07 18.8–1.4 36.79N 22.02E 10 4.5b,3.4s ¶13436501
IDC III 17 08 07 19.6–.64 36.95N 22.25E 0 4.2L,4.1b
CSEM III 17 08 07 21.8–.13 36.95N 22.14E 10 4.2b,4.2W
NEIC III 17 08 07 21.3 36.99N 22.17E 12 4.2b,4.2L
ISCJB III 17 08 07 21.6–.31 36.92N–.02 22.08E–.02 21–2 4.1b,3.5s
THE III 17 08 07 21.9 36.98N 22.17E 2–1 4.2L,3.5s
ATH III 17 08 07 21.3 36.99N 22.17E 12–1 4.2L,3.5s
SOF III 17 08 07 22.7 37.02N 22.63E 2 3.4,3.5s
ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=71.5.
IDC Error ellipse: s-maj=16.4km s-min=12.3km az=18.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=51.0.
NEIC Event type fe. Felt at Kalamata. After ATH.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.4km az=41.5.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=232.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
ATH III 17 09 16 01.6 36.96N 22.12E 14–1 2.9
CSEM III 17 09 16 01.6 36.96N 22.13E 14 2.9 ¶14370016
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH III 17 21 18 05.7 36.97N 22.15E 5–1 2.9
THE III 17 21 18 05.7 36.96N 22.16E 2–20 2.1L ¶14190453
CSEM III 17 21 18 05.5–.11 36.96N 22.15E 5 2.1L
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=20.6km s-min=0.4km az=224.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=55.0.
THE III 19 13 28 09.5 37.59N 22.52E 52–1 2.6L
ATH III 19 13 28 08.5 37.61N 22.51E 54–1 2.7L ¶14190514
CSEM III 19 13 28 09.3–.08 37.59N 22.52E 50–1 2.6L
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=220.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=69.0.
ISC III 22 05 40 23.7–1.8 36.33N–.06 21.88E–.04 9–10 74 1-2
THE III 22 05 40 23.7 36.22N 21.75E 25–2 3.0L ¶14190554
CSEM III 22 05 40 25.6–.61 36.40N 21.94E 15 3.4
ATH III 22 05 40 26.3 36.45N 22.01E 25–0 3.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=30.0.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=6.8km az=42.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
ISC III 23 06 51 22.0–1.0 37.86N–.02 21.04E–.02 11–7 3.7b 134 0-74
IDC III 23 06 51 20.4–1.3 37.94N 21.08E 0 3.8,3.7b ¶12635363
ISCJB III 23 06 51 21.3–.52 37.83N–.02 21.04E–.03 4–3 3.6b,3.7b
ATH III 23 06 51 21.7 37.85N 21.05E 5–1 3.6L,3.2
THE III 23 06 51 22.7 37.87N 21.07E 0–2 3.7L,3.2
CSEM III 23 06 51 22.2–.22 37.86N 21.07E 0–1 3.7L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=41.8km s-min=24.3km az=131.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=33.3.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=210.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=35.0.
ISC III 27 07 30 55.3–1.4 37.41N–.04 21.03E–.06 6–11 56 1-2
THE III 27 07 30 53.7 37.39N 20.78E 6–1 3.0L ¶14190603
CSEM III 27 07 30 53.1–.66 37.37N 20.78E 2 3.5
ATH III 27 07 30 59.5 37.48N 21.27E 25–1 3.5
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=5.5km az=59.0.
ATH Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.
ISC III 27 23 21 09.0–1.1 37.91N–.04 21.02E–.02 19–2 61 0-2
ISCJB III 27 23 21 08.7–.66 37.90N–.04 20.99E–.04 28–4 ¶14190617
ATH III 27 23 21 08.4 37.92N 21.02E 19–1 3.2
CSEM III 27 23 21 08.5–.23 37.88N 21.02E 17–1 1.9L
THE III 27 23 21 09.6 37.95N 21.03E 18–1 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.7km az=17.5.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=27.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=296.0.
ISC III 28 16 44 22.1–1.9 36.44N–.06 21.72E–.05 2–10 83 0-3
ATH III 28 16 44 21.6 36.46N 21.70E 5–3 3.5 ¶14190647
THE III 28 16 44 22.2 36.43N 21.71E 0–3 2.8L
CSEM III 28 16 44 22.2–.67 36.43N 21.75E 2 3.5
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=1.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.4km az=215.0.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=7.4km az=39.0.
ISC III 28 17 48 31.4–1.3 36.43N–.04 21.76E–.04 8–8 3.7b 156 0-46
IDC III 28 17 48 29.4–1.6 36.53N 21.83E 0 3.5b,3.5 ¶12635789
ATH III 28 17 48 30.0 36.38N 21.68E 6–2 3.4,3.4L
CSEM III 28 17 48 32.1–.33 36.45N 21.78E 2 3.5L,3.4L
THE III 28 17 48 33.0 36.48N 21.84E 0–2 3.5L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=66.3km s-min=28.7km az=130.0.
ATH Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.7km az=50.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=210.0.
ISC III 29 11 35 59.6–1.4 36.45N–.04 21.76E–.05 9–9 3.5b 90 0-45
IDC III 29 11 35 56.9–1.5 36.45N 21.90E 0 3.5b,3.5 ¶12635860
ATH III 29 11 35 58.7 36.44N 21.70E 5–2 3.5,3.2L
THE III 29 11 36 01.8 36.53N 21.86E 0–2 3.2L,3.2L
CSEM III 29 11 36 01.2–.46 36.51N 21.85E 0–1 3.2L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=65.2km s-min=26.6km az=127.0.
ATH Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=1.1km az=227.0.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=4.5km az=54.0.
ISC III 31 13 22 22.7–1.2 37.48N–.02 21.04E–.03 8–8 3.7b 202 1-74
IDC III 31 13 22 20.7–1.1 37.53N 21.34E 0 3.7b,3.7 ¶12636031
ISCJB III 31 13 22 21.7–.59 37.45N–.02 20.94E–.03 7–4 3.6b,3.7
THE III 31 13 22 23.7 37.49N 21.08E 0–2 3.5L,3.7
ATH III 31 13 22 23.0 37.47N 21.05E 15–1 3.5,3.3L
CSEM III 31 13 22 23.0–.28 37.49N 21.03E 2 3.4L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=18.1km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=144.3.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=238.0.
ATH Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.4km az=53.0.
ISC III 31 20 00 54.9–2.1 36.40N–.06 21.22E–.07 6–11 72 1-3
ATH III 31 20 00 50.1 36.24N 21.01E 5 3.7 ¶14190727
THE III 31 20 00 56.1 36.44N 21.26E 5–3 2.4L

CSEM III 31 20 00 56.4–.58 36.39N 21.28E 20–0 2.4L
ISC Event type ke.
ATH Error ellipse: s-maj=4.8km s-min=3.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.0km s-min=1.6km az=46.0.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=6.4km az=45.0.
CSEM III 31 22 09 02.2–.57 36.39N 21.83E 2 2.7L
ATH III 31 22 09 00.2 36.34N 21.67E 5–2 3.1,2.5L ¶14190730
THE III 31 22 09 02.9 36.43N 21.81E 0–3 2.7L,2.5L
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=6.1km az=53.0.
ATH Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.5km az=210.0.
ATH IV 02 14 01 45.8 37.43N 23.04E 31–2 3.0
CSEM IV 02 14 01 45.8 37.43N 23.04E 31 3.0 ¶14693645
ATH Error ellipse: s-maj=1.7km s-min=1.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 04 16 56 05.8–1.0 36.99N–.02 22.17E–.02 3–10 103 0-3
CSEM IV 04 16 56 05.6–.20 37.00N 22.16E 0–2 2.6L ¶14190794
ATH IV 04 16 56 05.7 36.99N 22.16E 10–1 3.1
THE IV 04 16 56 05.5 36.98N 22.17E 0–1 2.6L
ISCJB IV 04 16 56 05.2–.47 36.99N–.02 22.16E–.03 1–4 2.6L
ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.
ISC IV 05 16 17 31.0–.81 36.44N–.03 21.78E–.03 9–5 4.1b,3.2s 254 0-121
IDC IV 05 16 17 27.8–.68 36.44N 21.92E 0 3.9,3.9 ¶13437998
ATH IV 05 16 17 28.9 36.36N 21.63E 6–2 3.9L,3.5
THE IV 05 16 17 32.5 36.51N 21.84E 0–3 4.1L,3.5
CSEM IV 05 16 17 33.5–.17 36.44N 21.77E 20–0 4.1L,3.9W
ISC Event type ke.
IDC Error ellipse: s-maj=17.0km s-min=13.5km az=153.0.
ATH Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.9km az=214.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=44.0.
ISC IV 05 17 38 20.9–1.1 36.40N–.03 21.74E–.03 11–6 4.3b,3.3s 376 0-121
ISCJB IV 05 17 38 18.8–.58 36.33N–.02 21.70E–.02 4–3 4.2b,3.4s ¶13438002
IDC IV 05 17 38 19.2–.71 36.53N 21.80E 0 4.0,4.0b
MOS IV 05 17 38 19.2–1.6 35.60N 21.80E 33 4.5b,4.0b
CSEM IV 05 17 38 20.9–.19 36.40N 21.67E 5 4.2b,4.0W
ATH IV 05 17 38 21.3 36.42N 21.69E 13–2 4.0L,3.6
THE IV 05 17 38 23.6 36.53N 21.85E 0–2 4.1L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=3.5.
IDC Error ellipse: s-maj=16.5km s-min=14.0km az=147.0.
MOS Error ellipse: s-maj=8.9km s-min=4.8km az=107.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.3km az=23.0.
ATH Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=215.0.
ISC IV 05 17 53 38.6–2.0 36.44N–.07 21.74E–.05 1–13 89 0-3
ATH IV 05 17 53 37.6 36.41N 21.72E 5–4 3.5,3.1L ¶14190818
CSEM IV 05 17 53 38.9–.57 36.44N 21.76E 2 3.3L,3.1L
THE IV 05 17 53 40.7 36.53N 21.85E 0–4 3.3L,3.1L
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.1km az=36.0.
THE Event type ke. Error ellipse: s-maj=5.3km s-min=1.0km az=212.0.
ISC IV 05 21 38 42.2–2.2 36.40N–.07 21.70E–.06 4–10 54 0-3
CSEM IV 05 21 38 41.4–.49 36.37N 21.67E 3–0 1.8L ¶14693759
ATH IV 05 21 38 41.1 36.36N 21.60E 22–2 2.9
THE IV 05 21 38 44.4 36.50N 21.78E 0–3 1.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.0km az=50.0.
ATH Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.0km az=216.0.
ATH IV 06 07 17 11.2 36.67N 22.19E 22–2 2.7
CSEM IV 06 07 17 11.2 36.67N 22.19E 22 2.7 ¶14693806
ATH Error ellipse: s-maj=2.0km s-min=1.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 07 09 12 20.5–2.0 36.47N–.07 21.77E–.06 8–9 63 0-2
ATH IV 07 09 12 17.2 36.38N 21.57E 5 3.6 ¶14190842
CSEM IV 07 09 12 20.2–.77 36.47N 21.76E 2 3.0L
THE IV 07 09 12 21.6 36.49N 21.85E 0–5 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=3.6km s-min=3.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=6.5km az=41.0.
THE Event type ke. Error ellipse: s-maj=5.9km s-min=1.6km az=209.0.
ISC IV 07 09 18 08.6–1.1 36.43N–.04 21.73E–.03 15–6 3.9b 136 0-121
IDC IV 07 09 18 06.0–.76 36.49N 21.88E 0 3.9,3.9b ¶13438111
ISCJB IV 07 09 18 07.5–.90 36.36N–.04 21.66E–.05 15–6 3.8b,3.9b
ATH IV 07 09 18 07.2 36.43N 21.69E 5–3 3.6,3.6L
THE IV 07 09 18 09.7 36.50N 21.80E 0–3 3.7L,3.6L
CSEM IV 07 09 18 09.3–.40 36.46N 21.77E 2 3.7L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=15.1km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.5km az=140.9.
ATH Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.1km az=193.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=5.0km az=39.0.
ISC IV 07 19 19 50.1–1.1 37.49N–.03 21.05E–.03 12–9 107 1-6
CSEM IV 07 19 19 49.9–.28 37.50N 21.07E 2 3.0 ¶14190851
ATH IV 07 19 19 50.1 37.51N 21.09E 12–1 3.0,2.9L
THE IV 07 19 19 50.5 37.49N 21.08E 0–3 3.3L,2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.1km az=58.0.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.8km az=220.0.
ISC IV 07 20 30 42.4–1.6 36.41N–.05 21.69E–.05 8–12 83 0-3
CSEM IV 07 20 30 41.9–.56 36.41N 21.69E 2 3.2L ¶14190853
ATH IV 07 20 30 42.1 36.42N 21.70E 5–2 3.1,3.0L
THE IV 07 20 30 43.9 36.49N 21.74E 0–2 3.5L,3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.3km az=40.0.
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.8km az=223.0.
ISC IV 07 21 22 46.3–1.4 36.45N–.04 21.74E–.04 13–8 3.6b 127 0-46
IDC IV 07 21 22 43.9–1.3 36.53N 21.82E 0 3.5,3.5 ¶12934761
ISCJB IV 07 21 22 45.1–.81 36.39N–.03 21.69E–.04 8–5 3.4b,3.5
ATH IV 07 21 22 45.3 36.40N 21.70E 16–1 3.6,3.4L
THE IV 07 21 22 46.9 36.46N 21.76E 0–4 3.6L,3.4L
CSEM IV 07 21 22 46.1–.32 36.42N 21.73E 5 3.7L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=24.1km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.8km az=142.1.
ATH Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=1.1km az=212.0.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.1km az=37.0.
ATH IV 09 06 26 25.8 36.64N 21.70E 25–4 3.2
CSEM IV 09 06 26 25.2–.74 36.60N 21.64E 15 3.2 ¶14693997
ATH Error ellipse: s-maj=2.7km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=15.5km s-min=7.1km az=62.0.
ISC IV 09 07 04 02.0–1.5 36.41N–.05 21.71E–.04 8–9 106 0-3
CSEM IV 09 07 04 01.8–.71 36.45N 21.67E 2 3.1L ¶14190891
THE IV 09 07 04 02.9 36.45N 21.72E 0–1 3.1L
ATH IV 09 07 04 02.1 36.39N 21.73E 5–2 3.5,3.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.3km s-min=7.8km az=47.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=214.0.
ATH Error ellipse: s-maj=1.7km s-min=1.8km az=-1.0.
ISC IV 09 22 39 58.8–.91 37.80N–.02 23.39E–.03 12–8 59 0-2
CSEM IV 09 22 39 58.7–.25 37.78N 23.40E 15 2.6 ¶14190932
ISCJB IV 09 22 39 58.5–.51 37.80N–.04 23.37E–.04 1–6 2.6
ATH IV 09 22 39 59.1 37.76N 23.40E 12–1 2.6,1.2L
THE IV 09 22 39 59.2 37.81N 23.36E 10–3 1.4L,1.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.2km az=127.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.4km az=152.6.
ATH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.8km az=188.0.
THE IV 11 19 52 53.4 36.42N 21.64E 0–3 2.1L
CSEM IV 11 19 52 53.4 36.42N 21.64E 0 2.1L ¶14191000
THE Event type ke. Error ellipse: s-maj=4.4km s-min=1.3km az=217.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC IV 11 23 41 17.2–.32 37.09N–.02 22.73E–.02 84–2 4.0b 631 0-120
IDC IV 11 23 41 15.1–1.9 37.05N 22.93E 65–17 3.8,3.8 ¶13438394
ATH IV 11 23 41 16.3 37.12N 22.77E 86–1 4.1L,3.8
ISCJB IV 11 23 41 16.2–.17 37.10N–.01 22.70E–.02 92–1 4.0b,3.8
NEIC IV 11 23 41 16.3 37.12N 22.77E 86 4.2b,3.8
CSEM IV 11 23 41 16.8–.11 37.06N 22.73E 86–1 4.1b,3.8
MOS IV 11 23 41 17.3–1.1 37.12N 22.74E 97 4.0b,3.8
BEO IV 11 23 41 17.5–1.2 37.36N 22.14E 0 3.9L,3.8
PDG IV 11 23 41 18.6–.52 37.46N 22.40E 16–4 4.1L,3.8
THE IV 11 23 41 18.0 37.14N 22.79E 74–1 3.9L,3.8
HLW IV 11 23 41 19.9 36.72N 23.40E 33–61 4.5,4.2L
DDA IV 11 23 41 20.9 37.40N 23.45E 7 3.6,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=14.7km s-min=13.2km az=177.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=138.0.
NEIC Event type fe. Felt at Athens, Nafplio and Sparta. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=52.0.
MOS Error ellipse: s-maj=8.6km s-min=4.9km az=70.9.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=239.0.
DDA Event type ke.
THE IV 12 07 14 59.7 36.32N 21.64E 0–3 2.9L
ATH IV 12 07 15 04.2 36.65N 21.95E 5–2 3.4 ¶14191008
CSEM IV 12 07 15 05.1–.49 36.66N 22.00E 2 3.4
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.9km az=214.0.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=5.0km az=45.0.
ISC IV 12 20 54 58.3–.86 36.98N–.02 22.23E–.02 11–7 146 0-3
ATH IV 12 20 54 58.5 36.99N 22.24E 13–1 3.5,3.0L ¶14191017
THE IV 12 20 54 59.4 36.95N 22.25E 0–2 3.0L,3.0L
CSEM IV 12 20 54 59.0–.17 36.99N 22.22E 2 3.0L,3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=194.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=42.0.
ISC IV 15 23 56 08.4–1.3 36.23N–.05 22.28E–.05 28–11 82 1-4
ATH IV 15 23 56 06.9 36.17N 22.26E 41–1 3.4 ¶14191078
CSEM IV 15 23 56 09.0–.38 36.26N 22.29E 30 2.6L
THE IV 15 23 56 10.3 36.35N 22.32E 28–1 2.6L
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=5.1km az=44.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=62.0.
THE IV 16 11 03 22.9 36.42N 21.73E 0–6 2.7L
CSEM IV 16 11 03 20.9–.65 36.36N 21.62E 2 2.7L ¶14191093
ATH IV 16 11 03 21.9 36.41N 21.68E 5 3.4
THE Event type ke. Error ellipse: s-maj=7.2km s-min=1.2km az=217.0.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=5.7km az=53.0.
ATH Error ellipse: s-maj=2.5km s-min=2.1km az=-1.0.
ISC IV 16 13 33 21.8–2.6 36.14N–.09 21.78E–.07 5–14 47 1-2
CSEM IV 16 13 33 21.8–.94 36.14N 21.82E 5 3.5 ¶14191098
THE IV 16 13 33 23.0 36.18N 21.85E 0–2 2.5L
ATH IV 16 13 33 23.4 36.20N 21.90E 5 3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.4km s-min=9.0km az=35.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.7km az=208.0.
ATH Error ellipse: s-maj=2.5km s-min=2.1km az=-1.0.
ISC IV 16 13 39 60.0–2.8 36.13N–.10 21.79E–.07 3–15 29 1-2
CSEM IV 16 13 39 59.8–.34 36.11N 21.79E 2 3.5 ¶14191099
THE IV 16 13 40 01.6 36.19N 21.85E 2–3 1.8L
ATH IV 16 13 40 01.1 36.19N 21.85E 19–2 3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.4km az=27.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.7km az=209.0.
ATH Error ellipse: s-maj=1.9km s-min=2.2km az=-1.0.
ISC IV 16 15 18 52.2–2.7 36.04N–.10 21.73E–.07 4–12 47 1-2
THE IV 16 15 18 53.3 36.08N 21.76E 0–1 2.2L ¶14191102
ATH IV 16 15 18 53.6 36.11N 21.79E 16–3 3.5
CSEM IV 16 15 18 53.1–1.0 36.06N 21.77E 8 3.5
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=192.0.
ATH Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=19.3km s-min=12.0km az=28.0.
ISC IV 17 03 11 36.6–1.8 36.13N–.06 21.82E–.06 2–11 57 1-2
ATH IV 17 03 11 36.8 36.11N 21.81E 8–2 3.5 ¶14191114
CSEM IV 17 03 11 37.2–.61 36.16N 21.80E 2 2.2L
THE IV 17 03 11 38.0 36.19N 21.84E 6–0 2.2L
ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=6.0km az=54.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=45.0.
ATH IV 17 10 33 34.4 36.47N 21.74E 21–1 3.0
CSEM IV 17 10 33 34.2–.66 36.43N 21.72E 15 3.0 ¶14191123
THE IV 17 10 33 35.1 36.47N 21.73E 10–1 1.9L
ATH Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=6.9km az=51.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=51.0.
ISC IV 18 00 15 41.4–.97 37.83N–.03 23.71E–.03 12–6 50 0-2
ATH IV 18 00 15 40.7 37.83N 23.72E 21–1 2.9,1.4L ¶14191141
ISCJB IV 18 00 15 41.1–.61 37.83N–.04 23.70E–.06 11–4 2.9,1.4L
CSEM IV 18 00 15 41.2–.13 37.84N 23.72E 9–1 1.3L,1.4L
THE IV 18 00 15 41.7 37.84N 23.72E 9–1 1.3L,1.4L
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.9km az=28.2.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=137.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=347.0.
ISC IV 18 01 07 35.3–.92 37.81N–.03 23.78E–.03 13–7 47 0-2
ATH IV 18 01 07 34.7 37.80N 23.79E 19–1 2.9,1.5L ¶14191143
ISCJB IV 18 01 07 35.5–.55 37.83N–.04 23.74E–.06 16–6 2.9,1.5L
THE IV 18 01 07 35.2 37.79N 23.82E 0–2 1.7L,1.5L
CSEM IV 18 01 07 35.2–.21 37.81N 23.76E 10 2.9,1.5L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.9km az=30.6.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=183.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=132.0.
ISC IV 18 02 49 54.9–.96 37.92N–.02 21.58E–.03 18–3 74 0-2
ATH IV 18 02 49 54.0 37.98N 21.48E 28–1 3.0 ¶14191147
CSEM IV 18 02 49 55.2–.26 37.95N 21.56E 20 3.0
THE IV 18 02 49 56.2 38.00N 21.56E 19–2 1.4L
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.9km az=93.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=294.0.
THE IV 19 02 57 41.2 37.20N 21.49E 23–1 2.1L
CSEM IV 19 02 57 41.2 37.20N 21.49E 23 2.1L ¶14191173
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=89.0.

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC IV 19 03 15 58.2–.92 37.73N–.03 22.90E–.02 14–9 51 0-1
THE IV 19 03 15 57.2 37.76N 22.94E 30–2 1.5L **¶14191176**
ISCJB IV 19 03 15 58.4–.46 37.73N–.03 22.90E–.03 11–4 1.5L
ATH IV 19 03 15 58.7 37.73N 22.90E 6 2.7
CSEM IV 19 03 15 58.1–.12 37.73N 22.91E 12 1.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.4km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=34.8.
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=22.0.
ATH IV 19 03 24 26.0 36.46N 22.46E 24–5 2.8
CSEM IV 19 03 24 26.1 36.46N 22.46E 23 2.8 **¶14694422**
ATH Error ellipse: s-maj=2.2km s-min=1.3km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 21 04 15 36.3–1.3 36.27N–.03 22.38E–.03 4–10 83 0-2
THE IV 21 04 15 35.7 36.23N 22.36E 0–1 1.9L **¶14191220**
CSEM IV 21 04 15 36.0–.43 36.27N 22.38E 2 3.2
ATH IV 21 04 15 36.8 36.31N 22.42E 5–2 3.2
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=225.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=4.6km az=44.0.
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
ISC IV 21 08 06 47.6–1.0 36.16N–.04 21.43E–.03 23–7 4.2b,3.7s 466 1-121
ATH IV 21 08 06 46.6 36.05N 21.53E 25–1 4.5L,4.4 **¶13438953**
NEIC IV 21 08 06 46.7 36.05N 21.53E 25 4.5L,4.3b
CSEM IV 21 08 06 47.0–.19 36.06N 21.42E 20 4.4b,3.7s
THE IV 21 08 06 48.5 36.14N 21.54E 16–3 4.5L,3.7s
IDC IV 21 08 06 49.5–3.5 36.19N 21.73E 33–27 3.9L,3.9
HLW IV 21 08 06 49.2 36.18N 22.15E 33–40 4.4,4.0L
PDG IV 21 08 06 50.1–.42 36.42N 21.42E 18–4 4.4L,4.0L
BEO IV 21 08 06 50.2–.79 36.42N 21.32E 0 4.4L,4.0L
VIE IV 21 08 06 59.7–.59 37.05N 21.01E 15–14 3.7s,3.5b
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.3km az=43.0.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=224.0.
IDC Error ellipse: s-maj=15.3km s-min=13.4km az=167.0.
PDG Event type ke. Error ellipse: s-maj=4.6km s-min=1.8km az=90.0.
BEO Event type ke.
VIE Error ellipse: s-maj=15.7km s-min=4.4km az=148.0.
ISC IV 21 17 24 11.1–1.8 36.07N–.06 21.36E–.05 26–14 3.6b 132 1-47
IDC IV 21 17 23 52.1–4.0 34.35N 19.92E 0 3.6,3.6b **¶12832518**
CSEM IV 21 17 24 11.7–.39 36.12N 21.49E 10 3.5,3.6b
PDG IV 21 17 24 14.0–.41 36.32N 21.50E 26–4 3.9L,3.6b
THE IV 21 17 24 14.4 36.17N 21.67E 12–1 3.9L,3.6b
BEO IV 21 17 24 15.6–1.3 36.46N 21.10E 0 4.0L,3.6b
ATH IV 21 17 24 15.1 36.21N 21.75E 37–3 3.5,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=68.5km s-min=27.5km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=5.2km az=33.0.
PDG Event type ke. Error ellipse: s-maj=4.7km s-min=2.0km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=33.0.
BEO Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=2.6km az=-1.0.
ISC IV 22 17 36 50.9–.76 36.25N–.03 21.27E–.03 20–2 4.2b,3.6s 177 1-121
IDC IV 22 17 36 48.6–.76 36.26N 21.57E 0 4.0,4.0b **¶13438996**
BEO IV 22 17 36 50.0–.93 36.22N 20.91E 0 4.0L,4.0b
CSEM IV 22 17 36 51.7–.30 36.24N 21.20E 20 4.3W,4.1L
ATH IV 22 17 36 52.0 36.28N 21.41E 26–2 4.0L,3.6
THE IV 22 17 36 54.1 36.32N 21.44E 11–1 4.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=17.6km s-min=16.2km az=23.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.9km az=62.0.
ATH Error ellipse: s-maj=2.2km s-min=3.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=142.0.
ISC IV 23 09 02 12.7–1.9 36.44N–.06 21.72E–.06 5–12 60 0-2
CSEM IV 23 09 02 12.7–.52 36.45N 21.73E 2 3.4 **¶14191252**
ATH IV 23 09 02 12.6 36.44N 21.72E 9–3 3.4
THE IV 23 09 02 13.1 36.45N 21.76E 0–4 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.2km az=46.0.
ATH Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.3km s-min=1.3km az=211.0.
ATH IV 23 09 40 15.9 36.11N 21.14E 5 3.6
CSEM IV 23 09 40 16.1 36.11N 21.14E 5 3.6 **¶14694570**
ATH Error ellipse: s-maj=3.1km s-min=2.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 23 19 40 18.7–1.5 36.48N–.04 21.78E–.04 7–10 92 0-3
ATH IV 23 19 40 17.5 36.45N 21.74E 5–2 3.6 **¶14191259**
CSEM IV 23 19 40 18.8–.59 36.50N 21.80E 0–1 3.0L
THE IV 23 19 40 20.8 36.56N 21.86E 0–2 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=5.5km az=44.0.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=1.2km az=228.0.
THE IV 24 19 33 05.1 36.44N 21.74E 0–2 2.1L
CSEM IV 24 19 33 02.8–.57 36.37N 21.65E 2 2.1L **¶14191283**
ATH IV 24 19 33 04.0 36.42N 21.71E 5–2 3.2
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=217.0.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.0km az=51.0.
ATH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
ISC IV 24 20 55 18.9–1.3 36.36N–.03 21.60E–.03 7–8 3.9b,3.2s 288 1-97
ISCJB IV 24 20 55 17.0–.71 36.25N–.03 21.41E–.03 15–5 3.8b,3.3s **¶13439053**
THE IV 24 20 55 18.6 36.33N 21.57E 0–1 3.9L,3.3s
CSEM IV 24 20 55 18.4–.28 36.35N 21.55E 2 3.5,3.3s
IDC IV 24 20 55 18.4–.92 36.56N 21.70E 0 3.7,3.7b
BEO IV 24 20 55 18.7–.92 36.33N 21.22E 0 3.9L,3.7b
PRU IV 24 20 55 20.6 36.60N 20.38E 0 3.9L,3.7b
ATH IV 24 20 55 22.3 36.55N 21.91E 16–2 3.7L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=137.9.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=208.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.6km az=44.0.
IDC Error ellipse: s-maj=18.5km s-min=15.0km az=3.0.
BEO Event type ke.
ATH Error ellipse: s-maj=2.6km s-min=3.4km az=-1.0.
ISC IV 27 11 52 13.7–.46 36.11N–.03 21.50E–.03 21–3 3.9b 426 1-121
IDC IV 27 11 52 11.3–.91 36.29N 21.80E 0 4.2L,3.9 **¶13439125**
ATH IV 27 11 52 12.9 36.10N 21.56E 30–0 4.1L,4.0
CSEM IV 27 11 52 13.3–.18 36.10N 21.53E 15 4.2L,4.0
NEIC IV 27 11 52 14.9 36.13N 21.60E 10 4.2b,4.1L
THE IV 27 11 52 15.3 36.13N 21.59E 20–1 4.2L,4.1L
PDG IV 27 11 52 16.0–.44 36.49N 21.47E 11–4 4.5L,4.1L
BEO IV 27 11 52 17.2–.98 36.52N 20.96E 0 4.3L,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=18.4km az=28.0.
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=42.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=219.0.
PDG Event type ke. Error ellipse: s-maj=4.5km s-min=1.8km az=90.0.
BEO Event type ke.
ATH IV 28 05 08 06.0 36.24N 21.27E 18–5 3.5
CSEM IV 28 05 08 06.0 36.24N 21.27E 18 3.5 **¶14694742**
ATH Error ellipse: s-maj=4.0km s-min=7.7km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 28 19 22 39.5–.90 37.85N–.02 21.41E–.02 17–6 61 0-1
ISCJB IV 28 19 22 39.7–.46 37.87N–.03 21.43E–.03 21–4 **¶14191386**
THE IV 28 19 22 39.5 37.85N 21.41E 17–1 2.2L
ATH IV 28 19 22 39.5 37.85N 21.41E 22–2 2.9
CSEM IV 28 19 22 39.2–.26 37.85N 21.40E 16–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=21.7.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=210.0.
ATH Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.7km az=24.0.
ATH IV 28 22 18 45.9 36.15N 21.40E 28–4 3.5
CSEM IV 28 22 18 45.9 36.15N 21.40E 28 3.5 **¶14694758**
ATH Error ellipse: s-maj=4.5km s-min=4.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 29 15 11 01.2–1.6 36.60N–.05 21.16E–.05 15–8 3.7b 105 1-46
IDC IV 29 15 10 50.6–8.2 35.78N 20.65E 0 4.0L,3.8b **¶12936410**
ATH IV 29 15 11 01.8 36.60N 21.21E 20–2 3.2,3.8b
CSEM IV 29 15 11 01.7–.47 36.61N 21.18E 5 3.3L,3.8b
THE IV 29 15 11 04.8 36.67N 21.34E 10–1 3.3L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=148.5km s-min=53.8km az=48.0.
ATH Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=5.4km az=21.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=55.0.
ISC IV 29 15 45 45.0–1.9 36.39N–.06 21.73E–.05 5–10 84 1-2
ATH IV 29 15 45 44.4 36.39N 21.69E 5 3.2 **¶14191407**
CSEM IV 29 15 45 45.3–.56 36.41N 21.73E 2 3.5L
THE IV 29 15 45 46.5 36.45N 21.78E 0–4 3.5L
ISC Event type ke.
ATH Error ellipse: s-maj=2.7km s-min=2.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=6.0km az=40.0.
THE Event type ke. Error ellipse: s-maj=4.8km s-min=1.4km az=205.0.
ISC IV 29 16 10 32.5–1.2 37.87N–.03 21.38E–.03 19–2 56 0-2
ATH IV 29 16 10 32.7 37.87N 21.36E 20–1 2.7 **¶14191409**
ISCJB IV 29 16 10 32.6–.70 37.87N–.04 21.37E–.05 26–4 2.7
CSEM IV 29 16 10 32.4–.24 37.86N 21.38E 18–1 2.1L
THE IV 29 16 10 33.5 37.88N 21.44E 14–1 2.1L
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.9km az=23.5.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.4km az=131.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=298.0.
ISC IV 30 14 48 18.5–.72 37.10N–.04 24.92E–.04 171–7 3.3b 122 0-76
IDC IV 30 14 48 17.9–4.1 36.78N 24.59E 190–29 3.1,3.0b **¶12936500**
ISCJB IV 30 14 48 18.5–.39 37.04N–.04 24.85E–.05 178–5 3.2b,3.0b
ATH IV 30 14 48 18.5 37.07N 24.90E 173–2 2.9L,3.0b
CSEM IV 30 14 48 19.8–.28 37.09N 24.88E 163–4 2.9L,3.0b
THE IV 30 14 48 20.8 37.07N 24.82E 171–5 3.4L,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=53.4km s-min=22.8km az=35.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.5km az=40.8.
ATH Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.8km az=46.0.
THE Event type ke. Error ellipse: s-maj=5.9km s-min=1.5km az=205.0.
ISC V 02 15 44 18.4–.57 37.57N–.02 22.83E–.02 81–4 3.8b 458 0-75
SZGRF V 02 15 44 12.9 36.84N 21.94E 33 3.8b **¶13439281**
ISCJB V 02 15 44 18.1–.17 37.58N–.01 22.77E–.02 90–2 3.8b
ATH V 02 15 44 18.2 37.57N 22.84E 81–1 3.8L
THE V 02 15 44 19.4 37.56N 22.85E 73–2 3.8L
PDG V 02 15 44 19.5–.49 37.60N 22.82E 60–2 3.7L
CSEM V 02 15 44 19.1–.09 37.56N 22.77E 80 4.6W,3.9b
IDC V 02 15 44 20.4–2.7 37.60N 22.76E 103–27 3.6,3.6b
BEO V 02 15 44 20.6–.87 37.85N 22.37E 0 3.6L,3.6b
ISC Event type ke.
SZGRF Southern Greece.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=137.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=270.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=58.0.
IDC Error ellipse: s-maj=19.6km s-min=14.7km az=136.0.
BEO Event type ke.
ISC V 02 19 49 56.8–1.0 37.84N–.02 21.47E–.03 12–8 91 0-2
THE V 02 19 49 56.2 37.80N 21.43E 15–1 1.9L **¶14301469**
CSEM V 02 19 49 56.4–.29 37.81N 21.46E 2 3.0
ISCJB V 02 19 49 57.0–.48 37.86N–.02 21.48E–.04 20–4 3.0
ATH V 02 19 49 57.0 37.84N 21.46E 18–1 3.0
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=288.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=179.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISC V 02 21 03 44.2–1.5 36.47N–.04 21.56E–.05 16–9 116 0-7
ISCJB V 02 21 03 43.7–.83 36.43N–.03 21.52E–.05 19–5 **¶14301472**
ATH V 02 21 03 44.4 36.47N 21.58E 29–1 3.5,2.7L
CSEM V 02 21 03 44.3–.39 36.48N 21.55E 15 2.7L,2.7L
THE V 02 21 03 46.1 36.48N 21.63E 18–1 2.7L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.8km az=144.2.
ATH Error ellipse: s-maj=1.5km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.7km az=59.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=252.0.
ATH V 03 14 39 37.5 36.84N 22.86E 5–1 2.6
CSEM V 03 14 39 37.5 36.84N 22.86E 5 2.6 **¶14694933**
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 07 04 05 21.8–1.1 37.26N–.02 21.59E–.03 4–9 115 0-2
ATH V 07 04 05 21.3 37.26N 21.58E 14–2 3.5 **¶14301646**
CSEM V 07 04 05 21.7–.25 37.25N 21.59E 5 2.9L
ISCJB V 07 04 05 21.2–.62 37.22N–.02 21.56E–.04 3–4 2.9L
THE V 07 04 05 22.2 37.24N 21.60E 0–1 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.0km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.1km az=155.1.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=241.0.
ISC V 07 12 09 27.2–1.0 37.07N–.02 21.69E–.04 17–6 68 0-2
CSEM V 07 12 09 25.9–.54 37.07N 21.62E 12 2.9 **¶14301651**
ATH V 07 12 09 26.5 37.06N 21.71E 22–1 2.9
ISCJB V 07 12 09 26.9–.83 37.07N–.03 21.63E–.06 13–4 2.9
THE V 07 12 09 27.2 37.10N 21.66E 9–1 1.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.2km s-min=6.1km az=70.0.
ATH Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.5km az=173.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=97.0.
ISC V 07 15 31 44.8–.33 37.21N–.02 21.63E–.02 22–1 4.3b,3.3s 551 0-121
IDC V 07 15 31 41.6–.58 37.24N 21.80E 0 4.1,4.1b **¶13439385**
PDG V 07 15 31 44.9–1.0 37.25N 21.54E 11–1 4.0L,4.1b
ATH V 07 15 31 45.0 37.27N 21.60E 11–1 3.9L,3.5
CSEM V 07 15 31 45.1–.13 37.17N 21.57E 20–0 4.4b,4.2W
HLW V 07 15 31 45.5 36.92N 21.96E 24–15 4.0,4.0L
MOS V 07 15 31 45.8–1.5 37.26N 21.74E 33 4.5b,4.0L
THE V 07 15 31 45.8 37.24N 21.65E 0–1 4.2L,4.0L
NEIC V 07 15 31 48.6–.69 37.30N 21.69E 50–7 4.2b,4.0L
BJI V 07 15 31 50.8 37.88N 22.17E 66 4.8b,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=13.6km s-min=12.9km az=124.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=90.0.
ATH Error ellipse: s-maj=0.7km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=36.0.
MOS Error ellipse: s-maj=6.1km s-min=4.0km az=109.9.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=224.0.

NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.4km az=192.0.
ISC V 11 22 10 25.4–1.0 37.70N–.02 21.37E–.02 14–7 3.7b 251 0-46
IDC V 11 22 10 21.9–1.0 37.60N 21.60E 0 3.7,3.6b ¶13439512
THE V 11 22 10 25.7 37.68N 21.42E 0–2 3.5L,3.6b
ATH V 11 22 10 25.7 37.70N 21.40E 23–1 3.5,3.2L
CSEM V 11 22 10 25.1–.16 37.69N 21.38E 2 3.5,3.2L
ISCJB V 11 22 10 25.6–.39 37.68N–.02 21.34E–.03 21–3 3.6b,3.2L
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 12 06 14 34.1–.93 37.86N–.03 21.34E–.02 15–7 76 0-2
THE V 12 06 14 33.7 37.82N 21.36E 13–1 2.5L ¶14301836
CSEM V 12 06 14 33.9–.22 37.85N 21.35E 10 2.6L
ATH V 12 06 14 34.0 37.84N 21.31E 5–3 3.1
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=353.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=62.0.
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
ISC V 13 19 46 48.5–.48 36.27N–.04 21.74E–.03 36–1 4.5b,3.6s 627 1-146
IDC V 13 19 46 43.7–.53 36.35N 21.94E 0 4.4,4.4b ¶13439564
BJI V 13 19 46 46.9 36.57N 21.80E 40 5.1s,4.9b
PRU V 13 19 46 47.1 36.61N 21.26E 0 4.9,4.9b
MOS V 13 19 46 47.0–1.3 36.40N 21.84E 33 4.7b,4.9b
HLW V 13 19 46 48.8 36.28N 22.26E 33–26 4.1L,0.0
ISCJB V 13 19 46 49.3–.33 36.36N–.02 21.89E–.02 63–2 4.5b,0.0
THE V 13 19 46 49.1 36.22N 21.84E 24–3 4.4L,0.0
ATH V 13 19 46 49.0 36.27N 21.85E 39–2 4.2L,3.5
CSEM V 13 19 46 49.5–.19 36.24N 21.82E 47–2 4.6b,4.1W
BEO V 13 19 46 50.6–.96 36.61N 21.56E 0 4.4L,4.1W
PDG V 13 19 46 50.8–.56 36.75N 21.57E 2–1 4.5L,4.1W
ISC Event type ke.
IDC Error ellipse: s-maj=13.2km s-min=11.4km az=175.0.
MOS Error ellipse: s-maj=7.7km s-min=4.1km az=77.8.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.3km az=29.7.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.4km az=35.0.
ATH Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.9km az=44.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=6.4km s-min=3.2km az=90.0.
ATH V 13 21 49 16.9 36.62N 21.82E 28–3 2.8
CSEM V 13 21 49 16.9 36.62N 21.82E 28 2.8 ¶14695187
ATH Error ellipse: s-maj=3.4km s-min=2.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH V 14 02 18 07.6 36.45N 21.65E 31–3 3.0
CSEM V 14 02 18 07.6 36.45N 21.65E 31 3.0 ¶14695211
ATH Error ellipse: s-maj=3.3km s-min=2.5km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 14 17 52 36.3–1.1 37.85N–.03 23.07E–.03 19–3 42 0-2
ISCJB V 14 17 52 36.4–.55 37.87N–.04 23.09E–.05 25–5 ¶14301945
CSEM V 14 17 52 36.4–.21 37.86N 23.08E 20 2.5
ATH V 14 17 52 36.5 37.85N 23.05E 18–2 2.5,1.7L
THE V 14 17 52 37.7 37.82N 23.01E 2–22 1.3L,1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.4km az=141.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.4km az=43.0.
ATH Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=22.7km s-min=0.5km az=69.0.
ISC V 14 22 51 40.1–1.3 36.92N–.04 21.42E–.05 26–8 121 0-4
ISCJB V 14 22 51 37.7–.95 36.87N–.04 21.31E–.05 18–5 ¶14301951
ATH V 14 22 51 37.5 36.86N 21.31E 30–0 3.4,2.7L
CSEM V 14 22 51 39.1–.23 36.90N 21.38E 20 2.6L,2.7L
THE V 14 22 51 40.5 36.93N 21.47E 22–1 2.6L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.2km az=135.6.
ATH Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.6km az=43.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=66.0.
ISC V 15 06 47 40.2–.86 37.98N–.03 21.53E–.03 16–5 70 0-1
ISCJB V 15 06 47 40.0–.48 37.98N–.03 21.54E–.03 9–4 ¶14301978
THE V 15 06 47 40.1 38.03N 21.51E 18–0 2.4L
ATH V 15 06 47 40.5 37.95N 21.56E 7–5 3.4
CSEM V 15 06 47 40.0–.18 37.98N 21.53E 10 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=143.6.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=338.0.
ATH Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=116.0.
ISC V 15 21 55 41.2–1.1 36.14N–.03 22.39E–.03 13–7 3.9b 125 1-76
IDC V 15 21 55 42.7–7.1 36.21N 22.45E 29–54 3.7,3.6L ¶13679022
THE V 15 21 55 43.2 36.22N 22.49E 0–1 3.6L,3.6L
CSEM V 15 21 55 43.2 36.22N 22.49E 0 3.6L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=19.1km az=169.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=231.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC V 16 04 17 02.5–1.3 36.14N–.05 22.41E–.05 27 36 1-2
CSEM V 16 04 17 00.9–.47 36.07N 22.33E 8 2.0L ¶14302015
ISCJB V 16 04 17 02.9–1.0 36.15N–.06 22.43E–.08 27 2.0L
THE V 16 04 17 02.6 36.15N 22.39E 7–3 2.0L
ATH V 16 04 17 02.0 36.14N 22.38E 16–1 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=6.4km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.0km az=140.4.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.7km az=7.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
ISC V 16 14 15 07.4–1.3 37.83N–.02 21.18E–.02 11–10 3.6b 106 0-46
IDC V 16 14 15 05.6–1.4 38.04N 20.88E 0 3.6b,3.5 ¶13679062
ATH V 16 14 15 07.4 37.81N 21.20E 21–2 3.1,3.5
CSEM V 16 14 15 07.5–.26 37.80N 21.20E 8 3.4L,3.5
THE V 16 14 15 08.2 37.84N 21.20E 0–3 3.5L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=52.6km s-min=24.0km az=134.0.
ATH Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=42.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.7km az=197.0.
ISC V 16 23 10 22.6–.96 37.95N–.03 21.01E–.02 10–8 111 0-3
THE V 16 23 10 21.8 37.91N 20.97E 16–0 2.8L ¶14302041
CSEM V 16 23 10 21.8–.31 37.93N 21.01E 2 2.8L
ATH V 16 23 10 22.0 37.94N 20.97E 5–2 3.1,2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=200.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=29.0.
ATH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
ISC V 16 23 52 13.9–1.2 36.11N–.03 22.37E–.04 16–8 3.6b 147 1-46
THE V 16 23 52 14.7 36.13N 22.36E 0–2 3.4L ¶13679088
ATH V 16 23 52 14.1 36.13N 22.41E 16–1 3.5,3.1L
CSEM V 16 23 52 14.3–.26 36.12N 22.40E 2 3.5,3.1L
ISCJB V 16 23 52 15.5–.88 36.11N–.04 22.38E–.05 23–6 3.6b,2.7s
IDC V 16 23 52 25.9–4.2 36.39N 22.49E 118–43 3.3,3.3b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=238.0.
ATH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=2.9km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=3.9km az=137.0.
IDC Error ellipse: s-maj=28.9km s-min=19.8km az=130.0.
ISC V 17 09 22 58.0–1.4 36.14N–.04 22.43E–.05 14–9 3.6b 62 1-83
IDC V 17 09 22 56.0–1.3 36.30N 22.30E 0 3.6,3.5 ¶13679106
ISCJB V 17 09 22 56.4–1.0 36.05N–.04 22.29E–.05 11–7 3.5b,3.3s
ATH V 17 09 22 58.5 36.18N 22.47E 5–3 3.1,3.3s
CSEM V 17 09 22 58.2–.51 36.15N 22.40E 5 3.4L,3.3s
THE V 17 09 22 59.4 36.20N 22.44E 0–3 3.4L,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=20.0km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.8km az=143.5.
ATH Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.1km s-min=5.2km az=50.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=217.0.
ISC V 20 12 23 20.8–1.1 36.84N–.04 22.95E–.05 6–12 23 0-1
ISCJB V 20 12 23 20.6–.85 36.85N–.05 22.91E–.08 2–11 ¶14302204
CSEM V 20 12 23 20.5–.28 36.85N 22.96E 5 2.7
THE V 20 12 23 21.1 36.83N 22.96E 2–22 2.7
ATH V 20 12 23 21.3 36.82N 22.93E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.9km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.7km az=85.0.
THE Event type ke. Error ellipse: s-maj=22.1km s-min=1.0km az=206.0.
ATH Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0.
ISC V 23 04 47 38.2–.56 36.44N–.02 21.75E–.02 16–3 4.6b,4.1s 1111 0-121
HLW V 23 04 47 35.1 36.77N 21.84E 33–40 4.4L,0.0 ¶13469828
BJI V 23 04 47 36.9 36.38N 21.22E 38 4.9b,4.8s
IDC V 23 04 47 36.3–.55 36.53N 21.82E 0 4.4,4.3
NEIC V 23 04 47 37.3 36.40N 21.70E 13 4.6b,4.5L
CSEM V 23 04 47 37.9–.11 36.38N 21.71E 10 4.9W,4.7b
MOS V 23 04 47 37.6–1.4 36.45N 21.76E 18 4.8b,4.7b
ATH V 23 04 47 37.3 36.40N 21.70E 13–2 4.5L,3.8
ISCJB V 23 04 47 38.1–.38 36.38N–.01 21.71E–.01 25–2 4.6b,4.2s
PDG V 23 04 47 38.2–.46 36.49N 21.69E 11–1 4.3L,4.2s
THE V 23 04 47 40.1 36.51N 21.87E 0–1 4.4L,4.2s
SZGRF V 23 04 47 40.8 36.94N 22.17E 10 4.2b,4.2s
GCMT V 23 04 47 42.9–.40 36.36N 21.52E 23–1 4.9W,4.2s
TEH V 23 04 47 42.0 36.50N 21.81E 39 4.7L,4.2s
PRU V 23 04 47 44.2 37.12N 22.11E 0 4.6,4.2s
ISC Event type ke.
IDC Error ellipse: s-maj=12.8km s-min=11.4km az=177.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=34.0.
MOS Error ellipse: s-maj=4.4km s-min=2.6km az=100.7.
ATH Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=26.8.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=219.0.
SZGRF Southern Greece.
GCMT Event type se. Data Used: IU II CN IC G. Moment Tensor Solution. s23,c25; s58,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}1.32±.16 $M_{\theta\theta}$-1.38±.11; $M_{\phi\phi}$0.07±.12; $M_{r\theta}$0.82±.18; $M_{\theta\phi}$2.31±.10; $M_{\phi r}$-0.21±.17; Best double couple: NP1:ϕ_s349.00000°,δ61.00000°,λ164.00000°. NP2:ϕ_s87.00000°,δ76.00000°,λ30.00000°. Principal axes: T 1.9600,Plg31.0000° ,Azm312.0000°; N 1.2600,Plg57.0000°,Azm110.0000°; P -3.2100,Plg10.0000° ,Azm216.0000° $M_0$2.60000×10^{16}
ISC V 23 18 48 45.1–1.2 36.45N–.03 21.75E–.03 15–7 3.7b 157 0-80
IDC V 23 18 48 42.7–1.0 36.51N 21.77E 0 3.6,3.6 ¶13439766
ATH V 23 18 48 43.8 36.40N 21.66E 8–3 3.6L,3.6
CSEM V 23 18 48 44.5–.34 36.43N 21.72E 2 3.8L,3.6
THE V 23 18 48 46.0 36.45N 21.80E 0–2 3.9L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=17.3km az=3.0.
ATH Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=44.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=228.0.
ATH V 24 01 00 01.3 37.99N 21.78E 30–0 2.5
CSEM V 24 01 00 02.1–.26 37.97N 21.79E 23–1 2.5 ¶14695886
ATH Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=7.0.
ISC V 24 06 06 29.9–1.7 36.47N–.04 21.80E–.05 4–10 76 1-2
CSEM V 24 06 06 29.7–.52 36.49N 21.74E 2 3.5 ¶14302387
ATH V 24 06 06 30.5 36.51N 21.84E 5–3 3.5
THE V 24 06 06 31.1 36.49N 21.81E 0–3 2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=5.0km az=56.0.
ATH Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.5km az=217.0.
ISC V 24 16 04 00.3–1.1 36.47N–.03 22.32E–.03 9–8 3.7b 143 0-79
IDC V 24 16 03 54.2–7.8 36.32N 22.41E 0 3.8,3.8b ¶13679560
ISCJB V 24 16 03 59.0–.66 36.41N–.03 22.26E–.04 8–3 3.7b,3.8b
THE V 24 16 04 00.4 36.44N 22.31E 4–1 3.5L,3.8b
ATH V 24 16 04 00.6 36.52N 22.37E 17–1 3.6,3.0L
CSEM V 24 16 04 00.6–.23 36.48N 22.35E 8 3.6,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=164.7km s-min=40.6km az=35.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=2.9km az=142.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=43.0.
ATH Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=2.9km az=49.0.
ATH V 24 16 16 41.6 36.47N 22.33E 24–2 3.0
CSEM V 24 16 16 41.6 36.47N 22.33E 24 3.0 ¶14695911
ATH Error ellipse: s-maj=1.6km s-min=1.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH V 25 01 04 51.6 36.41N 21.70E 11–2 3.0
CSEM V 25 01 04 50.4–.56 36.37N 21.70E 2 3.0 ¶14302457
ATH Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=5.1km az=55.0.
ATH V 25 10 33 42.1 36.42N 21.67E 17–2 3.1
CSEM V 25 10 33 42.1 36.42N 21.67E 17 3.1 ¶14696330
ATH Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 26 12 14 09.4–2.4 36.39N–.08 21.6E–.10 29–14 24 1-1
CSEM V 26 12 14 09.6 36.43N 21.65E 30 3.9 ¶14696524
ATH V 26 12 14 09.6 36.43N 21.65E 30–0 3.1
ISC Event type ke.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.
ATH V 28 08 29 37.0 36.42N 21.67E 17–15 2.8
¶14696733
ATH Error ellipse: s-maj=6.5km s-min=5.8km az=-1.0.
ISC V 28 09 23 00.2–.82 37.91N–.01 22.56E–.01 20–2 3.6b 192 0-45
IDC V 28 09 22 57.0–1.6 38.22N 22.12E 0 3.6,3.6 ¶13679797
ISCJB V 28 09 23 00.7–.23 37.90N–.01 22.55E–.02 24–2 3.5b,3.6
THE V 28 09 23 00.9 37.91N 22.57E 12–0 3.4L,3.6
ATH V 28 09 23 00.0 37.91N 22.57E 25–0 3.3,3.3L
CSEM V 28 09 23 00.5–.09 37.91N 22.57E 15 3.4L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=113.4km s-min=23.6km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=37.7.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=282.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=61.0.
ATH V 28 17 00 25.4 36.80N 21.63E 12–0 2.9
CSEM V 28 17 00 24.6–1.2 36.78N 21.64E 20 2.9 ¶14696747
ATH Error ellipse: s-maj=0.6km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=27.4km s-min=11.1km az=63.0.
ISC V 29 07 27 07.0–.78 37.86N–.01 23.01E–.01 14–5 3.8b 257 0-74
ISCJB V 29 07 27 06.2–.36 37.83N–.01 23.02E–.02 9–2 3.6b ¶13679877
THE V 29 07 27 06.6 37.84N 23.02E 1–1 3.7L
ATH V 29 07 27 06.3 37.86N 23.02E 23–0 3.5L,3.4
CSEM V 29 07 27 06.3–.10 37.84N 23.00E 2 3.4,3.4
IDC V 29 07 27 13.8–3.1 37.80N 22.96E 75–29 3.5,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=165.6.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=153.0.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=47.0.
IDC Error ellipse: s-maj=23.7km s-min=18.2km az=151.0.

ISC	V	**31 12 51 11.2–.99**	**37.81N–.01**	**22.15E–.01**	**5–7**	**3.6b**	**209**	**0-121**
IDC	V	31 12 51 09.6–1.1	37.65N	22.23E	0	3.6,3.5		¶13680032
ISCJB	V	31 12 51 10.4–.35	37.80N–.01	22.11E–.02	7–2	3.5b,3.0s		
ATH	V	31 12 51 10.5	37.83N	22.12E	20–1	3.5L,3.2		
CSEM	V	31 12 51 10.8–.15	37.80N	22.14E	2	3.4L,3.2		
THE	V	31 12 51 11.0	37.81N	22.15E	0–1	3.4L,3.2		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=23.9km s-min=20.5km az=125.0.							
ISCJB	Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=0.3.							
ATH	Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=64.0.							
THE	Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=237.0.							
ISC	**V**	**31 15 59 33.6–.79**	**37.88N–.02**	**21.42E–.02**	**19–2**	**3.6b**	**152**	**0-96**
IDC	V	31 15 59 30.3–1.4	37.88N	21.47E	0	4.4L,3.7		¶13680045
ATH	V	31 15 59 32.8	37.89N	21.41E	26–1	3.1,3.1L		
ISCJB	V	31 15 59 33.6–.31	37.89N–.02	21.40E–.02	25–2	3.5b,3.1L		
THE	V	31 15 59 33.9	37.88N	21.45E	0–2	3.4L,3.1L		
CSEM	V	31 15 59 33.2–.17	37.89N	21.43E	2	3.4L,3.1L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=29.8km s-min=23.0km az=144.0.							
ATH	Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=135.1.							
THE	Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=253.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=54.0.							
ISC	**VI**	**02 18 32 11.3–2.2**	**36.16N–.05**	**21.56E–.06**	**26–18**		**141**	**1-10**
ISCJB	VI	02 18 32 08.8–.94	36.15N–.04	21.41E–.05	17–6			¶14302940
CSEM	VI	02 18 32 09.4–.40	36.15N	21.51E	10	3.4L		
THE	VI	02 18 32 10.8	36.20N	21.55E	12–1	3.4L		
ATH	VI	02 18 32 10.9	36.22N	21.59E	31–1	3.5,3.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.8km s-min=4.6km az=137.4.							
CSEM	Event type ke. Error ellipse: s-maj=9.3km s-min=5.0km az=42.0.							
THE	Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=62.0.							
ATH	Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.							
ISC	**VI**	**03 06 59 08.4–1.1**	**37.70N–.02**	**21.14E–.02**	**7–7**	**4.1b**	**159**	**0-74**
TIR	VI	03 06 58 56.9	37.02N	21.03E	1	4.3L		¶13439894
IDC	VI	03 06 59 06.8–.83	37.71N	21.17E	0	4.1,4.1L		
CSEM	VI	03 06 59 07.3–.35	37.67N	21.10E	2	4.2W,4.0L		
ATH	VI	03 06 59 07.9	37.68N	21.14E	8–2	3.8L,3.7		
THE	VI	03 06 59 08.6	37.71N	21.17E	9–2	4.0L,3.7		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=19.1km s-min=15.1km az=142.0.							
CSEM	Event type ke. Error ellipse: s-maj=6.8km s-min=5.2km az=61.0.							
ATH	Error ellipse: s-maj=1.3km s-min=1.1km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=42.0.							
ISC	**VI**	**05 14 38 42.8–.49**	**36.48N–.03**	**21.75E–.03**	**36–1**	**4.5b**	**419**	**0-121**
BJI	VI	05 14 38 35.6	36.33N	21.64E	17	4.9b,4.5b		¶13195190
IDC	VI	05 14 38 37.5–.65	36.55N	21.87E	0	4.3,4.3b		
PRU	VI	05 14 38 39.2	36.61N	21.29E	0	4.6,4.3b		
MOS	VI	05 14 38 41.4–1.0	36.68N	21.74E	33	4.6b,4.3b		
ATH	VI	05 14 38 42.8	36.52N	21.75E	37–1	4.1L,3.8		
THE	VI	05 14 38 43.0	36.47N	21.76E	19–4	3.9L,3.8		
CSEM	VI	05 14 38 43.3–.20	36.48N	21.73E	46–1	4.4b,3.8		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=14.9km s-min=14.6km az=76.0.							
MOS	Error ellipse: s-maj=8.2km s-min=3.9km az=82.0.							
ATH	Error ellipse: s-maj=1.6km s-min=1.7km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=4.9km s-min=1.8km az=43.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=37.0.							
ISC	**VI**	**05 17 58 13.3–1.5**	**37.33N–.04**	**22.67E–.03**	**44–11**		**37**	**0-2**
ATH	VI	05 17 58 12.1	37.36N	22.64E	48–7	3.0		¶14304792
ISCJB	VI	05 17 58 13.1–.91	37.32N–.05	22.67E–.05	47–9	3.0		
CSEM	VI	05 17 58 13.4–.13	37.34N	22.66E	40	1.8L		
THE	VI	05 17 58 14.0	37.29N	22.69E	39–3	1.8L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=8.1km s-min=6.4km az=152.2.							
CSEM	Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=138.0.							
THE	Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=321.0.							
ISC	**VI**	**07 02 22 11.0–1.1**	**36.49N–.03**	**21.83E–.03**	**9–8**	**3.6b**	**178**	**0-46**
IDC	VI	07 02 22 07.3–1.4	36.46N	21.86E	0	3.7b,3.6		¶13680754
ATH	VI	07 02 22 09.0	36.42N	21.71E	4–1	3.5,3.4L		
THE	VI	07 02 22 11.9	36.56N	21.88E	0–2	3.6L,3.4L		
CSEM	VI	07 02 22 11.2–.37	36.50N	21.85E	2	3.6L,3.4L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=35.7km s-min=22.7km az=141.0.							
ATH	Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=2.8km s-min=0.6km az=214.0.							
CSEM	Event type ke. Error ellipse: s-maj=8.1km s-min=3.8km az=48.0.							
ATH	**VI**	**09 22 28 42.5**	**36.49N**	**21.77E**	**5–2**	**3.5**		
CSEM	VI	09 22 28 42.5	36.49N	21.77E	5	3.5		¶14697153
ATH	Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.							
CSEM	Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ISC	**VI**	**11 02 02 09.9–1.6**	**36.47N–.05**	**21.78E–.04**	**2–11**		**86**	**0-3**
ATH	VI	11 02 02 08.6	36.44N	21.77E	5–3	3.5,2.8L		¶14305937
THE	VI	11 02 02 10.0	36.47N	21.80E	0–4	2.7L,2.8L		
CSEM	VI	11 02 02 11.3–.59	36.53N	21.87E	2	3.0L,2.8L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=5.1km s-min=1.1km az=212.0.							
CSEM	Event type ke. Error ellipse: s-maj=11.0km s-min=6.5km az=44.0.							
ISC	**VI**	**11 10 52 03.8–1.1**	**37.71N–.02**	**21.17E–.02**	**6–8**	**4.0b**	**118**	**0-46**
ISCJB	VI	11 10 52 02.2–.51	37.68N–.02	21.14E–.03	2–3	3.8b,2.6s		¶13440048
IDC	VI	11 10 52 02.6–.91	37.54N	21.26E	0	4.0b,3.8		
THE	VI	11 10 52 03.6	37.72N	21.18E	0–1	3.7L,3.8		
ATH	VI	11 10 52 03.2	37.70N	21.17E	4–4	3.6L,3.8		
CSEM	VI	11 10 52 03.2–.19	37.70N	21.17E	2	3.6L,3.8		
BEO	VI	11 10 52 32.5	39.77N	20.45E	0	3.6L,3.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=140.4.							
IDC	Error ellipse: s-maj=20.7km s-min=14.8km az=135.0.							
THE	Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=246.0.							
ATH	Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=52.0.							
BEO	Event type ke.							
ATH	**VI**	**11 11 53 51.0**	**37.71N**	**21.10E**	**12–1**	**3.1**		
CSEM	VI	11 11 53 51.0	37.71N	21.10E	12	3.1		¶14697202
ATH	Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.							
CSEM	Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ISC	**VI**	**11 14 28 53.0–.98**	**37.48N–.03**	**22.31E–.03**	**8–9**		**34**	**0-1**
ISCJB	VI	11 14 28 53.3–.59	37.46N–.03	22.30E–.05	8–5			¶14305947
ATH	VI	11 14 28 53.2	37.50N	22.32E	5	3.0		
THE	VI	11 14 28 53.7	37.45N	22.31E	7–1	2.3L		
CSEM	VI	11 14 28 53.5–.17	37.48N	22.30E	2	2.3L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=4.7km az=10.1.							
ATH	Error ellipse: s-maj=3.6km s-min=4.8km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.3km az=127.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=102.0.							
ISC	**VI**	**11 20 19 21.0–1.0**	**37.15N–.02**	**21.82E–.04**	**8–6**		**43**	**0-1**
CSEM	VI	11 20 19 20.5–.32	37.15N	21.77E	2	3.3		¶14305950
THE	VI	11 20 19 20.6	37.16N	21.79E	0–2	2.3L		
ATH	VI	11 20 19 21.3	37.16N	21.81E	5–4	3.3		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=7.3km s-min=3.3km az=66.0.							
THE	Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=289.0.							
ATH	Error ellipse: s-maj=1.8km s-min=2.4km az=-1.0.							
ISC	**VI**	**11 22 22 38.7–.91**	**37.88N–.02**	**21.07E–.02**	**14–6**	**3.7b**	**190**	**0-46**
THE	VI	11 22 22 38.9	37.90N	21.08E	0–2	3.7L		¶13440051
ATH	VI	11 22 22 38.3	37.87N	21.07E	13–2	3.8L,3.2		
CSEM	VI	11 22 22 38.6–.20	37.88N	21.08E	2	3.7L,3.2		
IDC	VI	11 22 22 43.9–2.6	37.86N	20.95E	63–27	3.3,3.3b		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=231.0.							
ATH	Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=41.0.							
IDC	Error ellipse: s-maj=26.9km s-min=16.6km az=151.0.							
ATH	**VI**	**13 03 32 28.9**	**36.46N**	**21.77E**	**20–4**	**3.0**		
CSEM	VI	13 03 32 28.9	36.46N	21.77E	20	3.0		¶14394981
ATH	Error ellipse: s-maj=3.0km s-min=2.5km az=-1.0.							
CSEM	Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ATH	**VI**	**17 20 49 59.3**	**36.55N**	**21.20E**	**20–2**	**3.6**		
CSEM	VI	17 20 49 59.3	36.55N	21.20E	20	3.6		¶14697343
ATH	Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.							
CSEM	Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ISC	**VI**	**19 11 51 32.7–1.1**	**37.71N–.02**	**21.17E–.03**	**6–8**	**3.7b**	**98**	**0-46**
IDC	VI	19 11 51 32.0–1.4	37.79N	20.94E	0	3.6,3.6b		¶13681656
ISCJB	VI	19 11 51 32.2–.61	37.70N–.02	21.17E–.03	4–4	3.6b,3.6b		
CSEM	VI	19 11 51 32.8–.28	37.71N	21.17E	5	3.2L,3.6b		
ATH	VI	19 11 51 32.8	37.71N	21.18E	8–3	3.2,3.6b		
THE	VI	19 11 51 33.0	37.72N	21.19E	0–2	3.2L,3.6b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=54.8km s-min=24.3km az=135.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=156.2.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=3.1km az=71.0.							
ATH	Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=2.4km s-min=0.6km az=238.0.							
ISC	**VI**	**21 01 40 40.3–2.8**	**36.3N–.10**	**21.55E–.08**	**15–9**		**55**	**1-2**
ATH	VI	21 01 40 38.0	36.17N	21.48E	32–5	3.5		¶14306346
CSEM	VI	21 01 40 40.5–.69	36.30N	21.50E	20	2.3L		
THE	VI	21 01 40 42.1	36.36N	21.61E	13–1	2.3L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=12.7km s-min=9.9km az=29.0.							
THE	Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=7.0.							
ISC	**VI**	**21 23 28 20.1–.73**	**37.43N–.03**	**23.90E–.03**	**136–5**	**3.3b**	**167**	**0-61**
HLW	VI	21 23 28 19.0	37.50N	24.08E	21–15	3.5,3.5L		¶13681811
ISCJB	VI	21 23 28 19.5–.31	37.42N–.03	23.89E–.04	139–3	3.3b,3.5L		
ATH	VI	21 23 28 19.6	37.41N	23.85E	139–2	3.0L,3.5L		
THE	VI	21 23 28 20.8	37.45N	23.89E	135–1	2.9L,3.5L		
CSEM	VI	21 23 28 20.2–.13	37.42N	23.89E	134–1	3.5W,3.5L		
IDC	VI	21 23 28 24.9–3.3	37.55N	24.06E	188–42	3.2s,3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=3.5km az=141.4.							
ATH	Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=291.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=54.0.							
IDC	Error ellipse: s-maj=32.6km s-min=19.4km az=112.0.							
ISC	**VI**	**25 04 21 19.0–1.1**	**37.44N–.02**	**21.29E–.03**	**13–8**		**113**	**0-2**
ISCJB	VI	25 04 21 18.3–.84	37.38N–.03	21.26E–.04	12–5			¶14306499
ATH	VI	25 04 21 18.8	37.45N	21.29E	20–1	3.5		
THE	VI	25 04 21 19.1	37.41N	21.29E	3–1	3.1L		
CSEM	VI	25 04 21 19.6–.39	37.47N	21.30E	15	3.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=142.9.							
ATH	Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.9km s-min=1.1km az=49.0.							
CSEM	Event type ke. Error ellipse: s-maj=8.8km s-min=4.7km az=56.0.							
ISC	**VI**	**25 20 08 22.1–.49**	**36.76N–.03**	**21.51E–.03**	**20–3**	**4.3b,3.2s**	**590**	**0-121**
IDC	VI	25 20 08 19.1–.57	36.80N	21.69E	0	4.3,4.3		¶13279124
HLW	VI	25 20 08 19.0	36.83N	21.11E	26–18	4.1,4.0L		
CSEM	VI	25 20 08 22.9–.15	36.71N	21.44E	20	4.3b,2.8s		
NEIC	VI	25 20 08 22.3	36.75N	21.51E	24	4.2b,4.1L		
PDG	VI	25 20 08 22.1–.65	36.80N	21.45E	11–1	4.4L,4.1L		
ATH	VI	25 20 08 22.3	36.75N	21.51E	24–0	4.1L,4.1L		
THE	VI	25 20 08 24.4	36.77N	21.61E	14–0	4.3L,4.1L		
TIR	VI	25 20 08 25.7–5.5	37.54N	21.38E	39–719	4.3L,4.1L		
PRU	VI	25 20 08 26.7	37.25N	21.20E	0	4.2,4.1L		
BEO	VI	25 20 08 37.6–2.3	37.61N	21.18E	0	3.9L,4.1L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=14.1km s-min=13.2km az=147.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=28.0.							
NEIC	Event type se. After ATH.							
PDG	Event type ke. Error ellipse: s-maj=1.3km s-min=1.3km az=90.0.							
ATH	Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=60.0.							
TIR	Error ellipse: s-maj=823.9km s-min=328.3km az=-1.0.							
BEO	Event type ke.							
ISC	**VI**	**26 07 16 15.9–1.2**	**37.65N–.02**	**22.51E–.02**	**49–7**		**135**	**0-3**
ATH	VI	26 07 16 14.6	37.65N	22.51E	55–1	2.9L,2.8		¶14306564
ISCJB	VI	26 07 16 15.3–.49	37.65N–.02	22.51E–.03	55–6	2.9L,2.8		
THE	VI	26 07 16 15.9	37.65N	22.51E	49–1	3.2L,2.8		
CSEM	VI	26 07 16 15.7–.09	37.65N	22.51E	47–1	2.8,2.8		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=135.9.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=248.0.							
CSEM	Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=51.0.							
ISC	**VI**	**27 09 54 18.7–.99**	**37.17N–.03**	**21.37E–.03**	**32–8**	**3.7b**	**204**	**0-46**
IDC	VI	27 09 54 15.0–1.4	37.30N	21.43E	0	4.1L,3.8		¶13383574
CSEM	VI	27 09 54 17.8–.29	37.20N	21.30E	5	3.9L,3.8		
ATH	VI	27 09 54 18.1	37.16N	21.32E	21–1	3.7,3.3L		
THE	VI	27 09 54 19.6	37.18N	21.42E	22–1	3.8L,3.3L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=26.0km s-min=24.6km az=21.0.							
CSEM	Event type ke. Error ellipse: s-maj=6.7km s-min=3.6km az=53.0.							
ATH	Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=179.0.							
ISC	**VI**	**29 03 28 16.6–3.2**	**37.94N–.02**	**21.79E–.02**	**12–25**		**57**	**0-1**
ATH	VI	29 03 28 16.5	37.95N	21.78E	30–1	2.8		¶14306795
THE	VI	29 03 28 17.9	37.93N	21.78E	16–1	1.7L		
CSEM	VI	29 03 28 17.3–.18	37.92N	21.80E	20	2.8		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=112.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=136.0.							
ISC	**VI**	**29 16 34 50.5–1.6**	**36.29N–.05**	**21.81E–.05**	**2–11**		**83**	**1-5**
ATH	VI	29 16 34 48.8	36.22N	21.70E	5–4	3.7,3.0L		¶14306816
THE	VI	29 16 34 51.5	36.33N	21.85E	10–0	3.0L,3.0L		
CSEM	VI	29 16 34 51.5–.65	36.33N	21.85E	2	3.0L,3.0L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=44.0.							
CSEM	Event type ke. Error ellipse: s-maj=11.7km s-min=6.3km az=39.0.							
ISC	**VI**	**29 18 30 26.1–2.1**	**36.11N–.07**	**21.60E–.08**	**5–11**		**52**	**1-2**
CSEM	VI	29 18 30 24.9–.85	36.05N	21.53E	8	2.7L		¶14306818
ATH	VI	29 18 30 26.1	36.10N	21.60E	21–4	3.5		
THE	VI	29 18 30 27.4	36.15N	21.62E	6–1	2.7L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=16.7km s-min=8.8km az=54.0.							
ATH	Error ellipse: s-maj=3.5km s-min=5.2km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=243.0.							

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ISC	**I**	**01 10 42 17.2–.61**	**36.67N–.03**	**27.04E–.03**	**144–5**	**3.6b**	**186**	**0-63**
DDA	I	01 10 42 08.4	36.21N	26.44E	7	3.0		¶12079750
HLW	I	01 10 42 15.3	36.91N	27.23E	18–11	3.7,3.6L		
ISCJB	I	01 10 42 16.7–.20	36.62N–.02	27.05E–.02	149–2	3.7b,3.6L		
CSEM	I	01 10 42 17.5–.14	36.63N	27.06E	148–2	3.3L,3.6L		
IDC	I	01 10 42 17.6–1.6	36.62N	27.11E	146–19	3.5b,3.4		
ATH	I	01 10 42 19.0	36.74N	26.69E	8–3	3.4,3.4		
ISK	I	01 10 42 19.6	36.85N	27.08E	137	3.1,3.4		

THE I 01 10 42 21.4 36.73N 26.94E 124–1 3.3L,3.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=19.2.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=17.0.
IDC Error ellipse: s-maj=12.9km s-min=12.7km az=88.0.
ATH Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=102.0.
ISC I 01 14 16 01.7–1.8 36.59N–.06 27.12E–.05 129–16 33 1-3
ATH I 01 14 16 01.2 36.57N 27.08E 135–6 ¶14357903
CSEM I 01 14 16 02.8–.43 36.61N 27.06E 115–5 3.1
ISCJB I 01 14 16 02.3–1.2 36.63N–.07 27.02E–.08 117–15 3.1
DDA I 01 14 16 06.7 36.55N 27.69E 7 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=5.0km s-min=3.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=4.1km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=6.2km az=137.2.
DDA Event type ke.
ISC I 01 14 25 10.4–1.2 36.23N–.04 28.92E–.03 26–13 38 1-2
DDA I 01 14 25 09.3 36.25N 28.92E 35 3.2 ¶14357904
ATH I 01 14 25 10.8 36.17N 28.92E 30 3.2
CSEM I 01 14 25 10.7–.32 36.22N 28.95E 20 3.2
ISCJB I 01 14 25 10.9–.81 36.22N–.05 28.93E–.04 29–6 3.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 01 23 44 09.5–1.0 36.11N–.04 28.38E–.03 31–7 44 0-2
DDA I 01 23 44 05.8 36.00N 28.34E 7 3.4L ¶12854363
ISK I 01 23 44 06.3 36.01N 28.29E 18 2.4L
ATH I 01 23 44 08.4 36.08N 28.36E 35–3 3.1
CSEM I 01 23 44 08.6–.37 36.07N 28.39E 20 3.1
ISCJB I 01 23 44 08.9–.67 36.08N–.04 28.38E–.04 25–5 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 02 03 05 35.0–.68 36.53N–.04 26.78E–.03 151–6 3.4b 114 0-43
HLW I 02 03 05 30.6 36.97N 26.70E 33–22 3.7L,0.0 ¶12079798
ISCJB I 02 03 05 34.4–.27 36.54N–.03 26.76E–.03 154–3 3.4b,0.0
CSEM I 02 03 05 35.8–.18 36.52N 26.76E 145–3 3.1L,0.0
IDC I 02 03 05 35.7–2.1 36.46N 26.86E 165–23 3.2,3.2
DDA I 02 03 05 37.7 36.34N 27.20E 8 3.9L,3.7
THE I 02 03 05 39.1 36.58N 26.70E 146–3 3.1L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=16.1.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=34.0.
IDC Error ellipse: s-maj=19.5km s-min=15.3km az=142.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=101.0.
ISC I 02 11 41 31.3–5.3 36.7N–.20 27.6E–.20 5–28 16 0-1
CSEM I 02 11 41 35.4–1.6 36.83N 27.79E 2 3.0 ¶15132607
DDA I 02 11 41 38.7 37.03N 27.79E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=28.4km s-min=13.8km az=43.0.
DDA Event type ke.
ISC I 03 13 26 49.5–1.4 36.71N–.04 28.08E–.04 50–14 30 0-2
ATH I 03 13 26 46.4 36.75N 28.19E 70–7 ¶12854415
ISK I 03 13 26 48.2 36.63N 28.10E 28 2.8
ISCJB I 03 13 26 48.7–.87 36.71N–.05 28.07E–.05 58–13 2.8
CSEM I 03 13 26 49.0–.25 36.72N 28.08E 53–5 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.9km az=144.2.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=135.0.
ISC I 04 05 13 00.1–2.0 35.85N–.10 27.95E–.06 55–40 43 1-4
ISK I 04 05 12 56.8 35.69N 27.87E 26 3.3 ¶12854445
ISCJB I 04 05 12 59.0–1.4 35.8N–.10 27.94E–.07 70–28 3.3
CSEM I 04 05 12 59.8–.55 35.91N 27.99E 20 3.5
DDA I 04 05 13 00.2 35.88N 28.01E 54 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=7.2km az=24.4.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=6.1km az=17.0.
DDA Event type ke.
DDA I 04 09 22 21.0 36.98N 28.22E 7 2.6
¶15132634
DDA Event type ke.
ISC I 04 10 26 31.7–.59 35.24N–.02 27.75E–.02 12–3 4.1b,3.5s 475 1-80
ISK I 04 10 26 27.3 35.15N 27.53E 3 4.2L,3.5s ¶13404598
ATH I 04 10 26 29.4 35.10N 27.75E 8–1 4.3L,3.5s
IDC I 04 10 26 29.2–.67 35.34N 27.58E 0 4.1,4.0
NEIC I 04 10 26 29.5 35.10N 27.76E 9 4.3L,3.9b
MOS I 04 10 26 30.9–1.8 34.76N 27.45E 33 4.3b,3.9b
DDA I 04 10 26 31.6 35.24N 27.69E 25 4.3L,3.9b
HLW I 04 10 26 32.3 35.46N 27.76E 14–8 4.0,3.8L
CSEM I 04 10 26 32.1–.11 35.20N 27.77E 10 4.1b,3.8L
BJI I 04 10 26 34.4 34.50N 27.26E 55 5.0b,4.3b
THE I 04 10 26 34.3 35.39N 27.66E 1–0 4.3L,4.3b
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=0.7km az=-1.0.
IDC Error ellipse: s-maj=16.9km s-min=12.6km az=167.0.
NEIC Event type se. After ATH.
MOS Error ellipse: s-maj=8.6km s-min=3.8km az=94.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=29.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=135.0.
ISC I 05 12 31 49.7–1.6 36.95N–.08 28.33E–.06 14 7 0-1
ISCJB I 05 12 31 49.3–1.2 36.92N–.08 28.32E–.09 14 ¶15132647
DDA I 05 12 31 50.1 36.98N 28.28E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=6.4km az=37.2.
DDA Event type ke.
ISC I 05 13 38 25.9–1.1 36.07N–.07 27.57E–.07 19 9 0-2
ATH I 05 13 38 25.8 35.82N 27.83E 17–2 2.9 ¶14357982
ISCJB I 05 13 38 25.6–.83 36.04N–.07 27.52E–.09 19 2.9
DDA I 05 13 38 31.8 36.50N 27.71E 7 2.7
ISC Event type ke.
ATH Error ellipse: s-maj=5.8km s-min=5.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=6.0km az=39.8.
DDA Event type ke.
ISC I 06 21 20 47.7–1.5 35.35N–.06 27.62E–.04 13–9 47 0-5
DDA I 06 21 20 34.9 34.61N 26.79E 25 3.5 ¶14358008
ISCJB I 06 21 20 46.7–1.4 35.45N–.06 27.56E–.05 0–11 3.5
CSEM I 06 21 20 50.0 35.55N 27.47E 25 3.5
ATH I 06 21 20 50.0 35.55N 27.47E 25–1 3.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=4.2km az=153.7.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=3.4km s-min=2.5km az=-1.0.
ISC I 10 10 33 42.6–1.0 36.96N–.04 28.26E–.03 9–7 38 0-2
ISCJB I 10 10 33 42.3–.72 36.93N–.05 28.24E–.04 3–6 ¶12854587
CSEM I 10 10 33 42.6–.36 36.96N 28.24E 8 2.6
ISK I 10 10 33 42.5 36.99N 28.24E 15 2.6
DDA I 10 10 33 43.1 36.98N 28.19E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.6km az=14.8.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=5.6km az=22.0.
DDA Event type ke.
ISC I 10 18 30 03.7–.58 36.55N–.03 26.62E–.03 146–5 3.9b 392 0-43
HLW I 10 18 29 58.9 36.80N 26.78E 31–21 4.2L,0.0 ¶11667117
DDA I 10 18 30 00.7 36.36N 26.30E 28 3.7,0.0
ISCJB I 10 18 30 02.4–.14 36.51N–.02 26.60E–.02 151–2 3.9b,0.0
ATH I 10 18 30 03.5 36.60N 26.58E 138–1 3.6L,0.0
NIC I 10 18 30 03.8–.40 36.40N 26.77E 100 4.2b,3.6L
CSEM I 10 18 30 03.2–.07 36.54N 26.60E 146–1 3.9b,3.6W
IDC I 10 18 30 04.2–1.5 36.45N 26.68E 148–16 3.6b,3.6
THE I 10 18 30 06.3 36.52N 26.55E 152–2 3.9L,3.6
NSSC I 10 18 30 22.9–1.7 35.68N 28.65E 0–669 3.3L,3.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=25.6.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
NIC Moment Tensor Solution. $M_0 2.30000 \times 10^{14}$
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=29.0.
IDC Error ellipse: s-maj=13.9km s-min=12.7km az=9.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=123.0.
NSSC Error ellipse: s-maj=183.4km s-min=788.5km az=-1.0.
ISC I 12 16 14 52.0–.92 36.68N–.02 25.67E–.02 11–7 3.6b 107 0-44
DDA I 12 16 14 47.6 36.86N 25.09E 27 3.5 ¶12081119
ATH I 12 16 14 50.1 36.69N 25.79E 19–2 3.5
ISK I 12 16 14 51.4 36.73N 25.66E 5 3.2
CSEM I 12 16 14 51.7–.20 36.69N 25.62E 10 3.4L
ISCJB I 12 16 14 52.0–.48 36.70N–.02 25.57E–.03 14–4 3.5b
THE I 12 16 14 52.3 36.70N 25.58E 6–1 3.4L
IDC I 12 16 14 57.2–3.6 36.39N 25.87E 52–37 3.5L,3.4b
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=17.4.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=249.0.
IDC Error ellipse: s-maj=42.3km s-min=22.9km az=145.0.
ISC I 13 04 59 14.1–.91 37.54N–.03 26.93E–.03 12–7 44 0-3
ISK I 13 04 59 12.9 37.55N 26.97E 2 2.9 ¶12854666
ISCJB I 13 04 59 13.9–.62 37.54N–.03 26.95E–.05 7–5 2.9
DDA I 13 04 59 13.2 37.56N 26.92E 7 3.0
ATH I 13 04 59 14.3 37.53N 26.88E 5–3 3.1
CSEM I 13 04 59 14.0–.15 37.54N 26.92E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.3km az=149.2.
DDA Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=3.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=61.0.
CSEM I 13 08 47 07.7–.79 37.36N 26.45E 22–7 2.9
ATH I 13 08 47 01.2 36.92N 26.89E 35–1 2.7 ¶12854664
ISK I 13 08 47 12.1 37.56N 26.96E 4 2.8
DDA I 13 08 47 13.0 37.56N 26.92E 11 2.9
CSEM Event type ke. Error ellipse: s-maj=15.8km s-min=13.4km az=42.0.
ATH Error ellipse: s-maj=0.7km s-min=1.6km az=-1.0.
DDA Event type ke.
ISC I 16 00 24 36.3–1.3 36.93N–.04 28.23E–.03 4–11 22 0-2
CSEM I 16 00 24 36.2–.61 36.92N 28.27E 10 2.6 ¶15132811
DDA I 16 00 24 37.2 36.97N 28.20E 7 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.2km s-min=9.1km az=19.0.
DDA Event type ke.
ISC I 16 14 31 33.0–1.2 36.20N–.04 28.93E–.02 8–10 54 0-3
ISCJB I 16 14 31 31.5–.88 36.17N–.04 28.86E–.04 1–7 ¶12854733
ISK I 16 14 31 31.6 36.18N 28.90E 10 3.0
CSEM I 16 14 31 32.9–.19 36.21N 28.89E 10 3.0
ATH I 16 14 31 33.0 36.18N 28.95E 31–2 2.8
DDA I 16 14 31 35.2 36.39N 29.05E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.6km az=149.7.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=161.0.
ATH Error ellipse: s-maj=4.7km s-min=1.2km az=-1.0.
DDA Event type ke.
ISC I 18 03 56 36.1–1.4 36.49N–.06 28.73E–.04 10–9 40 0-2
ISCJB I 18 03 56 34.9–1.2 36.44N–.06 28.73E–.05 6–6 ¶12854780
ISK I 18 03 56 34.9 36.49N 28.77E 15 2.9
CSEM I 18 03 56 34.1–.52 36.37N 28.76E 10 2.9
DDA I 18 03 56 36.2 36.52N 28.63E 6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=6.1km az=25.9.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.0km az=9.0.
DDA Event type ke.
ISC I 18 08 57 53.5–.93 35.60N–.06 27.46E–.04 18 45 0-4
ATH I 18 08 57 53.3 35.64N 27.41E 24–2 3.2 ¶14358303
ISCJB I 18 08 57 54.4–.57 35.69N–.06 27.38E–.05 18 3.2
CSEM I 18 08 57 54.6–.56 35.67N 27.39E 20–0 3.2
DDA I 18 08 58 03.0 36.06N 28.20E 6 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=5.7km s-min=4.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.9km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=19.0km s-min=8.5km az=154.0.
DDA Event type ke.
ISC I 19 16 49 05.7–1.1 36.93N–.04 28.27E–.03 6–9 30 0-1
ISK I 19 16 49 05.7 37.25N 28.28E 22 1.6L ¶12854804
CSEM I 19 16 49 05.7–.42 36.91N 28.27E 2 2.6
DDA I 19 16 49 06.3 36.97N 28.21E 7 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=5.2km az=177.0.
DDA Event type ke.
ISC I 19 22 34 38.9–1.5 36.9N–.10 27.75E–.04 10 22 0-1
ISCJB I 19 22 34 37.4–1.6 36.72N–.09 27.65E–.08 10 ¶15132848
CSEM I 19 22 34 38.3–1.2 36.75N 27.66E 2 2.5
DDA I 19 22 34 40.1 36.81N 27.50E 7 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.5km s-min=5.4km az=31.5.
CSEM Event type ke. Error ellipse: s-maj=27.0km s-min=9.4km az=29.0.
DDA Event type ke.
ISC I 20 16 24 55.2–2.2 36.75N–.09 27.84E–.04 5–16 23 0-1
CSEM I 20 16 24 58.1–.45 36.86N 27.90E 2 2.7 ¶15132864
DDA I 20 16 25 00.3 36.97N 27.78E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=4.8km az=14.0.
DDA Event type ke.
ISC I 21 23 49 47.7–1.0 36.80N–.03 27.45E–.03 11–8 46 0-2
DDA I 21 23 49 46.8 36.79N 27.52E 7 2.8 ¶12854864
ISCJB I 21 23 49 47.1–.80 36.78N–.03 27.42E–.04 2–6 2.8
CSEM I 21 23 49 47.4–.21 36.78N 27.41E 2 3.1
ATH I 21 23 49 47.5 36.81N 27.57E 46 3.0
ISK I 21 23 49 48.2 36.83N 27.45E 7 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.1km az=142.3.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=59.0.
ATH Error ellipse: s-maj=3.4km s-min=5.8km az=-1.0.
ISC I 22 09 09 35.4–.82 36.80N–.02 27.42E–.02 16–6 3.8b 173 0-43
IDC I 22 09 09 32.4–1.3 36.92N 27.22E 0 3.8b,3.8 ¶12082044
ISK I 22 09 09 34.6 36.79N 27.41E 13 3.5,3.8
DDA I 22 09 09 34.9 36.80N 27.45E 5 3.6,3.8
CSEM I 22 09 09 35.1–.13 36.77N 27.41E 10 3.6,3.8
THE I 22 09 09 35.3 36.84N 27.47E 10–0 3.9L,3.8
ISCJB I 22 09 09 35.2–.45 36.79N–.02 27.47E–.03 13–3 3.7b,3.8
NEIC I 22 09 09 35.8 36.84N 27.48E 12 3.9L,3.4L
ATH I 22 09 09 35.4 36.82N 27.43E 28–4 3.3,3.4L
HLW I 22 09 09 47.1 36.50N 28.51E 22–11 4.2,3.5L
ISC Event type fe.
IDC Error ellipse: s-maj=27.7km s-min=24.8km az=151.0.
DDA Event type ke.

CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=84.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.9km az=7.3.
NEIC Event type fe. Felt on Kos. After ISK.
ATH Error ellipse: s-maj=0.9km s-min=3.4km az=-1.0.

ISC	**I**	**26 01 53 11.5–1.2**	**36.95N–.02**	**28.21E–.02**	**2–11**		**54**	**0-3**
ISCJB	I	26 01 53 11.1–.68	36.93N–.03	28.20E–.03	2–6			¶12854987
CSEM	I	26 01 53 11.7–.12	36.94N	28.19E	5	3.1		
DDA	I	26 01 53 11.6	36.97N	28.21E	7	3.0		
ATH	I	26 01 53 11.1	36.97N	28.41E	35–11	3.0		
ISK	I	26 01 53 11.2	36.96N	28.20E	5	3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=6.8.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=159.0.
DDA Event type ke.
ATH Error ellipse: s-maj=2.4km s-min=20.2km az=-1.0.

ISC	**I**	**26 20 48 48.7–1.1**	**36.83N–.02**	**28.35E–.02**	**5–9**		**56**	**0-2**
ISCJB	I	26 20 48 48.8–.72	36.81N–.03	28.27E–.04	6–5			¶12854975
DDA	I	26 20 48 48.3	36.76N	28.32E	7	3.0		
ISK	I	26 20 48 48.5	36.82N	28.30E	9	2.9		
CSEM	I	26 20 48 49.1–.17	36.83N	28.28E	5	3.0		
ATH	I	26 20 48 49.3	36.83N	28.17E	16–1	3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=2.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=99.0.
ATH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.

ISC	**I**	**27 02 13 04.7–1.1**	**35.28N–.04**	**27.32E–.03**	**33–3**		**95**	**0-8**
CSEM	I	27 02 13 04.7–.19	35.24N	27.33E	30	3.4		¶14189104
THE	I	27 02 13 04.6	35.21N	27.29E	10–3	3.3L		
ATH	I	27 02 13 05.9	35.43N	27.14E	40–0	3.4		
DDA	I	27 02 13 28.9	36.94N	28.07E	7	3.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=63.0.
THE Event type ke. Error ellipse: s-maj=8.1km s-min=1.1km az=116.0.
ATH Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0.
DDA Event type ke.

ISC	**I**	**27 06 00 37.0–1.6**	**36.97N–.06**	**28.25E–.07**	**1–11**		**28**	**0-2**
ISK	I	27 06 00 36.3	36.97N	28.23E	2	2.8		¶12854993
DDA	I	27 06 00 37.1	36.95N	28.12E	7	2.8		
CSEM	I	27 06 00 37.1–.56	36.96N	28.17E	5	2.8		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=5.1km az=51.0.

ISC	**I**	**27 06 01 21.3–1.4**	**36.93N–.04**	**28.23E–.03**	**0–12**		**25**	**0-1**
ISK	I	27 06 01 21.7	36.96N	28.22E	5	2.5		¶12855010
DDA	I	27 06 01 22.0	36.97N	28.14E	7	2.7		
CSEM	I	27 06 01 22.5–.24	36.98N	28.23E	8	2.5		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=18.0.

DDA	**I**	**27 06 03 45.3**	**36.94N**	**28.05E**	**6**	**2.6**		
CSEM	I	27 06 03 47.3–1.8	37.03N	28.13E	2	2.6		¶15132968

DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=37.7km s-min=13.0km az=27.0.

ISC	**I**	**27 09 05 04.7–1.2**	**36.91N–.04**	**28.25E–.03**	**8–9**		**26**	**0-1**
CSEM	I	27 09 05 05.8–.33	36.95N	28.25E	2	2.4		¶12855008
ISK	I	27 09 05 05.1	37.02N	28.25E	19	2.4		
DDA	I	27 09 05 06.1	36.97N	28.20E	7	2.8		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=18.0.
DDA Event type ke.

ISC	**I**	**27 21 35 51.5–1.2**	**37.77N–.03**	**25.96E–.03**	**11–10**		**60**	**1-3**
ISCJB	I	27 21 35 51.1–.74	37.80N–.03	25.92E–.03	11–5			¶12854991
CSEM	I	27 21 35 51.7–.16	37.76N	25.93E	12	3.1		
ATH	I	27 21 35 51.5	37.76N	25.98E	33–2	3.1,2.9L		
ISK	I	27 21 35 51.0	37.52N	26.30E	2	3.0,2.9L		
DDA	I	27 21 35 52.0	37.74N	26.00E	7	2.9,2.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=162.7.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=164.0.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
DDA Event type ke.

ISC	**I**	**28 10 47 01.8–1.1**	**36.19N–.03**	**25.38E–.04**	**10–10**		**35**	**0-2**
ISCJB	I	28 10 47 01.9–.59	36.26N–.03	25.39E–.05	18–6			¶14189116
CSEM	I	28 10 47 01.6–.15	36.23N	25.39E	12	3.4L		
ATH	I	28 10 47 02.3	36.23N	25.39E	41–12	3.3		
THE	I	28 10 47 02.1	36.20N	25.38E	7–1	3.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.8km az=5.8.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=87.0.
ATH Error ellipse: s-maj=4.5km s-min=2.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=311.0.

ISC	**I**	**29 00 51 35.7–1.2**	**36.19N–.02**	**25.40E–.03**	**19–3**		**78**	**1-3**
ATH	I	29 00 51 34.6	36.19N	25.39E	27–1	3.6		¶14189126
ISCJB	I	29 00 51 35.9–.56	36.21N–.02	25.38E–.04	26–6	3.6		
CSEM	I	29 00 51 35.1–.22	36.21N	25.38E	15	2.2L		
THE	I	29 00 51 37.6	36.21N	25.38E	32–36	2.2L		

ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=80.0.
THE Event type ke. Error ellipse: s-maj=36.5km s-min=1.1km az=88.0.

ISC	**I**	**29 00 56 36.7–1.2**	**36.89N–.04**	**28.26E–.03**	**7–10**		**41**	**0-2**
ISCJB	I	29 00 56 37.6–.65	36.96N–.05	28.30E–.05	12–5			¶12855074
CSEM	I	29 00 56 37.8–.26	36.98N	28.32E	12	2.9		
DDA	I	29 00 56 37.7	36.97N	28.19E	7	3.1		
ISK	I	29 00 56 38.0	37.02N	28.28E	17	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.0km az=33.1.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.2km az=31.0.
DDA Event type ke.

ISC	**I**	**29 02 12 11.4–.90**	**36.81N–.02**	**27.38E–.02**	**13–7**		**84**	**0-4**
DDA	I	29 02 12 09.8	36.76N	27.35E	7	3.2		¶12855072
ISK	I	29 02 12 10.4	36.78N	27.32E	9	3.1		
CSEM	I	29 02 12 11.4–.20	36.80N	27.33E	15	3.2L		
ISCJB	I	29 02 12 11.8–.37	36.81N–.02	27.33E–.03	16–5	3.2L		
ATH	I	29 02 12 11.2	36.79N	27.33E	28–2	3.3		
THE	I	29 02 12 13.6	36.75N	27.31E	22–2	3.2L		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=6.6.
ATH Error ellipse: s-maj=1.4km s-min=2.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=1.6km az=227.0.

ISC	**I**	**29 02 32 56.2–1.3**	**36.92N–.04**	**28.25E–.03**	**0–13**		**38**	**0-2**
CSEM	I	29 02 32 56.5–.30	36.94N	28.24E	2	2.7		¶12855071
ISK	I	29 02 32 56.6	36.97N	28.24E	4	2.7		
DDA	I	29 02 32 57.2	36.97N	28.30E	7	3.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.7km az=24.0.
DDA Event type ke.

ISC	**I**	**29 11 52 00.7–1.2**	**36.15N–.03**	**25.45E–.04**	**6–11**		**44**	**1-1**
CSEM	I	29 11 52 00.2–.22	36.22N	25.44E	10	2.9		¶14189136
ATH	I	29 11 52 01.8	36.22N	25.46E	38–3	2.9		
THE	I	29 11 52 01.6	36.14N	25.46E	8–4	2.9		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=95.0.
ATH Error ellipse: s-maj=1.2km s-min=1.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=330.0.

ISC	**I**	**29 20 30 21.1–1.1**	**36.97N–.02**	**28.21E–.02**	**3–10**		**122**	**0-4**
DDA	I	29 20 30 20.3	36.94N	28.24E	22	3.5		¶12855051
ISK	I	29 20 30 20.8	36.98N	28.22E	2	3.3		
ISCJB	I	29 20 30 21.2–.56	36.95N–.02	28.20E–.02	3–4	3.3		
ATH	I	29 20 30 21.3	37.00N	28.16E	15–0	3.5		
CSEM	I	29 20 30 22.1–.15	36.98N	28.18E	5	3.3		

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=5.3.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=8.0.

ISC	**I**	**29 21 27 08.2–1.2**	**36.89N–.04**	**28.20E–.03**	**4–10**		**38**	**0-2**
ISCJB	I	29 21 27 09.2–.69	36.93N–.04	28.24E–.04	6–5			¶12855049
ISK	I	29 21 27 09.9	37.00N	28.19E	11	2.7		
DDA	I	29 21 27 09.6	36.98N	28.25E	7	2.9		
CSEM	I	29 21 27 09.7–.32	36.97N	28.25E	2	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.5km az=14.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.7km az=27.0.

ISC	**I**	**29 22 45 01.5–1.3**	**36.96N–.04**	**28.25E–.03**	**10**		**26**	**0-1**
ISCJB	I	29 22 45 01.2–.61	36.95N–.05	28.24E–.04	10			¶12855046
CSEM	I	29 22 45 01.5–.30	36.95N	28.23E	2	2.7		
DDA	I	29 22 45 01.4	36.99N	28.24E	7	2.9		
ISK	I	29 22 45 01.3	36.97N	28.21E	5	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.8km az=21.2.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=4.9km az=22.0.
DDA Event type ke.

ISC	**I**	**30 02 39 25.8–1.1**	**36.94N–.04**	**28.24E–.03**	**7–11**		**30**	**0-2**
ISCJB	I	30 02 39 26.1–.62	36.94N–.04	28.25E–.04	3–9			¶12855098
ISK	I	30 02 39 26.3	36.97N	28.23E	8	2.9		
DDA	I	30 02 39 26.7	36.97N	28.23E	7	2.9		
CSEM	I	30 02 39 26.4–.28	36.95N	28.25E	2	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.3km az=21.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.3km az=20.0.

ISC	**I**	**31 06 57 34.8–1.5**	**36.26N–.04**	**27.65E–.05**	**0–13**		**42**	**0-2**
ISCJB	I	31 06 57 34.9–1.4	36.13N–.05	27.69E–.04	4–11			¶12855117
CSEM	I	31 06 57 35.4–.31	36.11N	27.65E	5	3.2		
ATH	I	31 06 57 35.1	36.26N	27.69E	25–3	3.2		
ISK	I	31 06 57 35.6	36.17N	27.72E	5	3.0		
DDA	I	31 06 57 37.4	36.21N	27.80E	5	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.2km az=160.4.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=5.3km az=138.0.
ATH Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
DDA Event type ke.

ISC	**I**	**31 09 33 00.2–1.2**	**36.92N–.03**	**28.23E–.03**	**2–11**		**36**	**0-2**
CSEM	I	31 09 33 00.9–.26	36.94N	28.25E	2	2.7		¶12855113
DDA	I	31 09 33 01.0	36.97N	28.16E	7	2.9		
ISK	I	31 09 33 00.7	36.97N	28.26E	5	2.7		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=20.0.
DDA Event type ke.

ISC	**I**	**31 20 18 15.7–1.2**	**36.89N–.04**	**28.25E–.03**	**3–13**		**30**	**0-1**
ISCJB	I	31 20 18 16.2–.61	36.94N–.04	28.25E–.03	4–7			¶12855105
CSEM	I	31 20 18 16.8–.29	36.95N	28.27E	2	2.6		
DDA	I	31 20 18 16.8	36.98N	28.26E	7	2.7		
ISK	I	31 20 18 16.4	36.96N	28.24E	11	2.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.9km az=19.8.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.2km az=24.0.
DDA Event type ke.

ISC	**II**	**01 02 22 23.0–1.2**	**36.91N–.04**	**28.25E–.03**	**5–12**		**27**	**0-2**
ISCJB	II	01 02 22 23.0–.78	36.93N–.05	28.27E–.04	2–10			¶13434117
CSEM	II	01 02 22 23.0–.24	36.91N	28.28E	5	2.6		
ISK	II	01 02 22 24.3	37.01N	28.20E	11	2.6		
DDA	II	01 02 22 24.1	36.98N	28.23E	7	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.0km az=10.3.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=173.0.
DDA Event type ke.

ISC	**II**	**01 02 34 10.0–1.1**	**36.94N–.03**	**28.27E–.02**	**5–12**		**35**	**0-2**
ISCJB	II	01 02 34 10.0–.60	36.95N–.04	28.27E–.03	2–8			¶13434118
ISK	II	01 02 34 10.2	36.97N	28.26E	8	2.7		
CSEM	II	01 02 34 10.3–.20	36.96N	28.26E	2	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=20.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=19.0.

ISC	**II**	**01 10 57 32.6–1.1**	**36.91N–.04**	**28.27E–.03**	**7–9**		**38**	**0-2**
ISCJB	II	01 10 57 32.8–.66	36.93N–.04	28.24E–.04	0–6			¶13434134
ISK	II	01 10 57 33.3	36.97N	28.24E	9	2.8		
DDA	II	01 10 57 33.5	36.97N	28.21E	7	3.0		
CSEM	II	01 10 57 33.1–.24	36.94N	28.25E	2	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.2km az=23.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=24.0.

ISC	**II**	**01 13 14 13.6–1.1**	**36.93N–.03**	**28.25E–.02**	**7–11**		**36**	**0-2**
ISCJB	II	01 13 14 13.7–.61	36.94N–.04	28.24E–.03	4–7			¶13434145
ISK	II	01 13 14 14.1	36.96N	28.23E	8	2.7		
DDA	II	01 13 14 14.1	36.98N	28.21E	7	2.8		
CSEM	II	01 13 14 14.0–.28	36.94N	28.23E	2	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=16.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=14.0.

ISC	**II**	**01 16 36 36.4–1.0**	**36.94N–.03**	**28.27E–.02**	**8–8**		**38**	**0-2**
ISCJB	II	01 16 36 36.4–.61	36.95N–.04	28.26E–.03	7–6			¶13434156
ISK	II	01 16 36 36.6	36.96N	28.24E	6	2.6		
DDA	II	01 16 36 36.5	36.99N	28.25E	7	3.2		
CSEM	II	01 16 36 36.7–.27	36.96N	28.26E	2	2.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.2km az=14.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=13.0.

ISC	**II**	**01 17 43 47.1–1.1**	**36.92N–.04**	**28.24E–.03**	**8–9**		**36**	**0-2**
ISCJB	II	01 17 43 47.4–.66	36.93N–.04	28.25E–.03	4–6			¶13434159
DDA	II	01 17 43 47.9	36.99N	28.23E	7	3.0		
CSEM	II	01 17 43 47.8–.27	36.94N	28.24E	2	2.3		
ISK	II	01 17 43 48.0	36.99N	28.22E	14	2.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.3km az=12.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=14.0.

ISC	**II**	**01 18 50 20.5–.97**	**36.89N–.03**	**27.68E–.02**	**18–6**		**50**	**0-2**
ISCJB	II	01 18 50 20.5–.67	36.84N–.03	27.67E–.03	13–4			¶13434160
ISK	II	01 18 50 20.6	37.30N	27.63E	5	2.7		
ATH	II	01 18 50 20.4	36.85N	27.65E	29–3	3.3		
CSEM	II	01 18 50 20.5–.21	36.84N	27.66E	12	3.1		
DDA	II	01 18 50 21.0	36.91N	27.69E	6	3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=11.1.
ATH Error ellipse: s-maj=1.6km s-min=4.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=47.0.
DDA Event type ke.

ISC	**II**	**01 19 14 53.8–1.0**	**36.90N–.02**	**27.65E–.02**	**10–9**		**83**	**0-3**
ISK	II	01 19 14 53.7	36.90N	27.66E	8	3.0		¶13434161
THE	II	01 19 14 53.1	36.90N	27.71E	0–0	2.7L		
CSEM	II	01 19 14 53.9–.16	36.90N	27.64E	8	3.0		

ATH II 01 19 14 53.4 36.89N 27.68E 27–3 3.3
DDA II 01 19 14 53.7 36.94N 27.68E 7 3.3
ISCJB II 01 19 14 54.2–.56 36.90N–.02 27.66E–.03 13–4 3.3
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC II 01 19 20 29.8–1.3 36.98N–.07 27.63E–.03 13–9 26 0-1
ISCJB II 01 19 20 29.0–1.7 36.87N–.10 27.66E–.05 12–6 ¶13434162
ISK II 01 19 20 29.6 37.10N 27.65E 2 2.3
DDA II 01 19 20 29.1 36.92N 27.71E 7 2.9
CSEM II 01 19 20 30.1–.45 36.95N 27.65E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=6.3km az=11.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=5.9km az=8.0.
ISC II 01 21 38 21.1–1.0 36.92N–.04 28.26E–.03 11–8 31 0-1
ISK II 01 21 38 20.9 37.08N 28.29E 26 2.5 ¶13434165
ISCJB II 01 21 38 21.4–.67 36.93N–.04 28.26E–.03 3–10 2.5
CSEM II 01 21 38 21.5–.20 36.92N 28.27E 2 2.5
DDA II 01 21 38 22.2 36.97N 28.22E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=13.3.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=13.0.
DDA Event type ke.
ISC II 01 21 52 13.6–1.3 36.91N–.07 28.27E–.05 7–20 10 0-1
ISCJB II 01 21 52 13.3–.94 36.91N–.06 28.28E–.05 11–9 ¶15133021
DDA II 01 21 52 14.5 36.98N 28.25E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.2km az=7.5.
DDA Event type ke.
ISC II 02 00 40 03.1–1.1 36.93N–.03 28.25E–.02 4–10 38 0-2
ISCJB II 02 00 40 03.6–.60 36.94N–.04 28.25E–.03 5–7 ¶13434167
ISK II 02 00 40 03.8 37.01N 28.26E 14 2.6
CSEM II 02 00 40 03.8–.36 36.97N 28.27E 2 2.6
DDA II 02 00 40 04.0 36.97N 28.22E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=20.9.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=5.7km az=19.0.
DDA Event type ke.
ISC II 02 02 12 42.4–.88 36.99N–.02 28.24E–.02 12–6 91 0-3
DDA II 02 02 12 40.0 36.85N 28.25E 25 3.0 ¶13434172
ISCJB II 02 02 12 42.4–.53 36.96N–.02 28.23E–.03 7–4 3.0
ISK II 02 02 12 42.3 36.99N 28.26E 7 3.0
ATH II 02 02 12 42.3 36.99N 28.23E 21–1 3.2
CSEM II 02 02 12 43.0–.13 37.00N 28.25E 8 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=173.9.
ATH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=1.0.
ISC II 02 02 21 53.3–.91 36.98N–.02 28.27E–.02 9–7 82 0-3
ATH II 02 02 21 51.6 37.02N 28.51E 28–2 3.3 ¶13434174
ISCJB II 02 02 21 52.7–.59 36.95N–.02 28.26E–.03 2–4 3.3
DDA II 02 02 21 53.0 36.96N 28.26E 7 3.0
CSEM II 02 02 21 53.1–.23 36.98N 28.25E 2 3.1
ISK II 02 02 21 54.2 37.14N 28.18E 14 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=5.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=168.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=167.0.
ISC II 02 02 39 31.2–1.1 36.94N–.03 28.30E–.03 7–9 36 0-2
ISCJB II 02 02 39 30.9–.61 36.92N–.05 28.28E–.03 8–6 ¶13434176
DDA II 02 02 39 30.9 36.98N 28.30E 7 2.8
ISK II 02 02 39 31.1 36.97N 28.29E 13 2.4
CSEM II 02 02 39 31.0–.29 36.94N 28.29E 5 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.1km az=18.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=20.0.
ISC II 02 03 53 34.2–1.0 35.93N–.05 27.62E–.04 25–12 34 1-2
ATH II 02 03 53 32.3 36.17N 27.41E 11–1 3.0 ¶13434180
CSEM II 02 03 53 33.8–.27 36.00N 27.57E 15 2.2L
ISCJB II 02 03 53 33.5–.77 36.04N–.04 27.54E–.05 11–6 2.2L
THE II 02 03 53 34.4 35.94N 27.65E 25–15 2.2L
DDA II 02 03 53 35 36.19N 27.59E 27 2.9
ISK II 02 03 53 35.2 36.08N 27.77E 6 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=4.4km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.1km az=136.8.
THE Event type ke. Error ellipse: s-maj=19.0km s-min=1.2km az=138.0.
DDA Event type ke.
ISC II 02 05 21 44.2–1.1 36.98N–.02 28.23E–.02 2–10 68 0-3
ISCJB II 02 05 21 44.9–.58 36.99N–.03 28.22E–.03 7–5 ¶13434184
DDA II 02 05 21 44.6 36.97N 28.20E 7 3.2L
CSEM II 02 05 21 45.5–.12 37.02N 28.22E 10 3.2
ISK II 02 05 21 45.1 37.03N 28.21E 12 3.2
ATH II 02 05 21 46.9 37.01N 28.22E 46 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=4.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=178.0.
ATH Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
ISC II 02 06 40 17.4–1.0 36.97N–.03 28.77E–.03 11–9 28 0-2
DDA II 02 06 40 16.3 36.94N 28.81E 7 2.9 ¶13434186
ISK II 02 06 40 17.3 36.86N 28.69E 16 2.7
CSEM II 02 06 40 17.6–.27 36.98N 28.76E 15 2.9
ISCJB II 02 06 40 18.0–.63 36.96N–.05 28.77E–.05 20–12 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC II 02 10 30 48.6–2.8 36.9N–.10 28.2E–.10 12 8 0-1
DDA II 02 10 30 50.6 36.98N 28.16E 7 2.9 ¶15133050
ISC Event type ke.
DDA Event type ke.
ISC II 02 21 05 14.7–1.5 36.87N–.04 26.60E–.04 15–15 28 1-2
ISCJB II 02 21 05 14.5–2.6 36.88N–.05 26.53E–.07 14–20 ¶14358723
ATH II 02 21 05 14.7 36.89N 26.57E 32–5 3.2
DDA II 02 21 05 14.8 36.87N 26.68E 7 3.2
CSEM II 02 21 05 14.0–.22 36.90N 26.53E 9–0 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.9km az=44.6.
ATH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.4km az=123.0.
ISC II 03 11 45 43.9–.88 36.74N–.03 27.10E–.03 14–7 52 0-2
ISCJB II 03 11 45 44.0–.55 36.72N–.03 27.11E–.05 13–4 ¶13434219
CSEM II 03 11 45 43.5–.24 36.73N 27.05E 12 3.3L
THE II 03 11 45 44.2 36.74N 27.16E 13–1 3.3L
DDA II 03 11 45 44.3 36.74N 27.09E 4 2.9
ISK II 03 11 45 45.2 36.89N 27.07E 25 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=110.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=80.0.
DDA Event type ke.
ISC II 04 11 15 37.6–1.1 36.13N–.02 27.65E–.02 4–10 96 0-3
THE II 04 11 15 37.5 36.12N 27.64E 2–5 3.3L ¶13434245
ISK II 04 11 15 37.2 36.20N 27.58E 5 3.3
ATH II 04 11 15 38.0 36.08N 27.66E 13–3 3.2
CSEM II 04 11 15 38.3–.17 36.13N 27.61E 2 3.3L
DDA II 04 11 15 39.7 36.28N 27.73E 8 3.5,3.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=1.0km az=103.0.
ATH Error ellipse: s-maj=2.1km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=138.0.
DDA Event type ke.
ISC II 05 04 23 53.7–1.3 36.92N–.04 28.26E–.03 2–11 41 0-2
ISK II 05 04 23 53.2 36.93N 28.25E 9 2.8 ¶13434269
CSEM II 05 04 23 53.7–.22 36.91N 28.30E 5 2.8
DDA II 05 04 23 55.0 36.98N 28.24E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=21.0.
DDA Event type ke.
ISC II 05 05 17 46.5–.97 36.51N–.03 29.00E–.03 18–5 51 0-3
ISK II 05 05 17 45.9 36.50N 29.01E 19 3.2 ¶13434274
ATH II 05 05 17 45.9 36.51N 29.01E 33–2 3.1
ISCJB II 05 05 17 46.2–.65 36.45N–.04 29.04E–.04 20–6 3.1
DDA II 05 05 17 46.2 36.54N 28.98E 12 3.0
CSEM II 05 05 17 46.2–.18 36.48N 29.01E 16–1 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.9km az=8.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=161.0.
ISC II 05 05 53 19.5–1.3 36.90N–.05 28.27E–.04 2–18 24 0-1
CSEM II 05 05 53 20.1–.27 36.94N 28.27E 2 2.5 ¶13434275
DDA II 05 05 53 20.2 36.97N 28.27E 7 2.7
ISK II 05 05 53 20.0 36.97N 28.24E 6 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.4km az=23.0.
DDA Event type ke.
ISC II 05 10 40 26.7–.96 36.99N–.02 28.22E–.02 7–8 77 0-3
ISCJB II 05 10 40 26.5–.61 36.97N–.02 28.20E–.03 7–4 ¶13434281
ATH II 05 10 40 26.3 36.99N 28.35E 32–8 3.0
DDA II 05 10 40 26.4 36.98N 28.21E 16 3.2
CSEM II 05 10 40 27.0–.15 36.99N 28.20E 10 3.0
ISK II 05 10 40 28.2 37.24N 28.24E 4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=28.7.
ATH Error ellipse: s-maj=2.2km s-min=9.3km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=127.0.
ISC II 05 18 07 57.5–1.3 36.08N–.03 27.68E–.03 31–12 39 0-3
ISK II 05 18 07 56.2 36.20N 27.74E 5 2.8 ¶13434304
ATH II 05 18 07 56.1 36.10N 27.68E 42–3 3.1
ISCJB II 05 18 07 57.0–.90 36.06N–.05 27.70E–.07 49–11 3.1
CSEM II 05 18 07 57.5–.19 36.08N 27.70E 40 3.1
THE II 05 18 07 58.1 36.05N 27.64E 16–6 2.3L
ISC Event type ke.
ATH Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.3km az=31.1.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=132.0.
THE Event type ke. Error ellipse: s-maj=6.9km s-min=0.9km az=124.0.
ISC II 06 02 48 40.4–1.7 36.42N–.05 27.93E–.04 68–12 24 0-2
ISK II 06 02 48 38.8 36.35N 27.99E 12 2.7 ¶13434317
ATH II 06 02 48 39.8 36.39N 27.83E 67 2.7
ISCJB II 06 02 48 40.0–1.2 36.42N–.06 27.94E–.06 70–11 2.7
CSEM II 06 02 48 40.3–.52 36.40N 27.93E 66–6 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=8.5km az=14.2.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=7.6km az=4.0.
ISC II 06 16 53 23.1–1.1 36.92N–.05 28.28E–.03 6–14 19 0-1
ISK II 06 16 53 22.0 37.18N 28.29E 27 2.5 ¶13434336
CSEM II 06 16 53 23.2–.29 36.94N 28.26E 2 2.5
DDA II 06 16 53 23.8 36.97N 28.20E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=4.9km az=14.0.
DDA Event type ke.
ISC II 06 20 27 05.5–1.1 36.96N–.06 27.78E–.03 13–10 24 0-2
ISK II 06 20 27 04.5 36.97N 27.78E 5 2.7 ¶13434341
ISCJB II 06 20 27 05.8–.89 36.96N–.07 27.78E–.04 11–6 2.7
DDA II 06 20 27 05.3 36.95N 27.78E 7 2.8
CSEM II 06 20 27 05.8–.27 36.97N 27.78E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.5km az=10.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.0km az=12.0.
ISC II 06 23 28 44.6–1.5 36.91N–.08 28.22E–.08 12–12 9 0-1
ISCJB II 06 23 28 44.7–1.7 36.97N–.08 28.37E–.10 23–16 ¶15133114
DDA II 06 23 28 45.9 36.98N 28.17E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=9.0km az=44.0.
DDA Event type ke.
ISC II 06 23 51 17.3–.52 36.62N–.03 27.60E–.03 110–4 4.3b 409 0-76
BJI II 06 23 51 09.7 36.69N 26.98E 80 4.6b ¶12082989
MOS II 06 23 51 16.5–1.2 36.57N 27.60E 119 4.4b
ISCJB II 06 23 51 16.1–.14 36.58N–.01 27.60E–.02 120–1 4.2b
ATH II 06 23 51 17.1 36.67N 27.56E 114–2 4.2b
CSEM II 06 23 51 17.4–.07 36.58N 27.61E 110–1 4.0W,3.8L
IDC II 06 23 51 17.2–1.4 36.52N 27.63E 110–13 3.9,3.9
ISK II 06 23 51 18.3 36.77N 27.54E 107 3.6,3.6L
THE II 06 23 51 19.9 36.66N 27.54E 110–2 3.8L,3.6L
HLW II 06 23 51 21.0 36.16N 27.68E 33–34 4.4L,4.3
NIC II 06 23 51 21.0–.20 36.82N 28.02E 36 4.5b,4.0L
DDA II 06 23 51 24.4 36.93N 27.87E 28 3.7,4.0L
ISC Event type ke.
MOS Error ellipse: s-maj=14.9km s-min=10.0km az=91.8.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=36.2.
ATH Error ellipse: s-maj=1.3km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=47.0.
IDC Error ellipse: s-maj=13.5km s-min=10.6km az=172.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=100.0.
NIC Moment Tensor Solution. $M_0 2.70000 \times 10^{14}$
DDA Event type ke.
ISC II 07 00 50 49.3–1.1 36.97N–.03 28.22E–.02 0–9 56 0-2
ISK II 07 00 50 49.5 36.98N 28.25E 7 2.6 ¶13434344
DDA II 07 00 50 49.3 36.98N 28.16E 7 2.8
CSEM II 07 00 50 50.1–.26 36.98N 28.22E 5 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=16.0.
ISC II 07 02 33 16.2–.93 37.00N–.03 28.22E–.02 10–7 53 0-2
ISCJB II 07 02 33 15.9–.59 36.96N–.04 28.24E–.03 10–4 ¶13434346
ISK II 07 02 33 16.4 37.06N 28.23E 18 2.7
DDA II 07 02 33 16.2 36.98N 28.20E 7 2.8
CSEM II 07 02 33 16.6–.23 37.02N 28.20E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.1km az=11.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=9.0.
ISC II 07 02 49 21.8–3.6 36.8N–.20 28.2E–.10 2–26 7 0-1
DDA II 07 02 49 24.1 36.97N 28.23E 7 2.6 ¶15133159
ISC Event type ke.
DDA Event type ke.
ISC II 07 06 49 34.1–1.1 36.95N–.02 28.17E–.02 3–10 84 0-3
ISCJB II 07 06 49 34.5–.56 36.94N–.02 28.20E–.03 3–4 ¶13434357
DDA II 07 06 49 34.9 37.01N 28.17E 7 3.0

ISK II 07 06 49 35.3 37.00N 28.29E 5 2.9
CSEM II 07 06 49 35.1–.17 36.97N 28.20E 2 2.9
ATH II 07 06 49 36.5 36.94N 28.04E 24–1 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=19.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=6.0.
ATH Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
ISC II 07 10 33 22.6–.98 36.93N–.04 28.27E–.03 13–7 35 0-2
ISCJB II 07 10 33 22.7–.61 36.93N–.04 28.27E–.04 10–5 ¶13434361
ISK II 07 10 33 22.4 36.99N 28.26E 20 2.8
CSEM II 07 10 33 22.8–.20 36.96N 28.30E 15 2.8
DDA II 07 10 33 23.6 36.98N 28.26E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.3km az=17.1.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.2km az=16.0.
DDA Event type ke.
ISC II 07 16 10 51.3–1.1 36.94N–.02 28.17E–.02 2–10 106 0-3
ISCJB II 07 16 10 51.9–.49 36.90N–.02 28.20E–.02 9–4 ¶13434369
ISK II 07 16 10 52.0 36.98N 28.23E 8 2.9
DDA II 07 16 10 52.2 36.96N 28.22E 24 3.2
CSEM II 07 16 10 52.5–.14 36.93N 28.18E 10 2.9
ATH II 07 16 10 54.0 36.88N 27.96E 24–1 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=2.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=176.0.
ATH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
ISC II 07 18 16 12.1–.86 36.95N–.03 28.24E–.02 10–6 50 0-3
ATH II 07 18 16 09.7 37.04N 28.55E 32 3.0 ¶13434370
ISK II 07 18 16 10.8 36.94N 28.11E 6 2.7
CSEM II 07 18 16 11.9–.26 36.94N 28.16E 2 2.7
ISCJB II 07 18 16 12.3–.58 36.94N–.03 28.22E–.04 7–5 2.7
DDA II 07 18 16 12.9 36.97N 28.23E 11 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=8.6km s-min=42.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=5.1km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=39.5.
DDA Event type ke.
ISC II 07 19 08 23.4–1.2 36.95N–.02 28.19E–.02 0–11 65 0-3
ATH II 07 19 08 22.2 36.97N 28.54E 52–14 3.0 ¶13434371
ISCJB II 07 19 08 23.5–.50 36.94N–.02 28.22E–.03 3–5 3.0
ISK II 07 19 08 23.7 36.98N 28.23E 10 3.0
CSEM II 07 19 08 23.7–.17 36.95N 28.20E 5 3.0
DDA II 07 19 08 24.3 36.97N 28.13E 5 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=26.0.
DDA Event type ke.
ISC II 08 05 26 14.7–1.2 36.89N–.04 28.24E–.03 6–10 30 0-3
ISK II 08 05 26 15.3 36.96N 28.27E 5 2.9 ¶13434382
DDA II 08 05 26 16.1 36.97N 28.24E 7 2.5
CSEM II 08 05 26 16.0–.35 36.93N 28.26E 2 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=5.6km az=15.0.
ISC II 08 09 31 52.0–1.1 36.96N–.03 28.25E–.02 3–10 45 0-2
DDA II 08 09 31 52.5 36.98N 28.19E 7 2.5 ¶13434386
ISK II 08 09 31 52.2 37.03N 28.31E 17 2.6
CSEM II 08 09 31 52.7–.38 36.99N 28.24E 10 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=6.1km az=20.0.
ISC II 11 07 29 54.5–1.2 36.91N–.04 28.25E–.03 6–13 30 0-2
ISCJB II 11 07 29 54.9–.63 36.94N–.04 28.26E–.04 3–10 ¶13434453
ISK II 11 07 29 55.0 36.95N 28.25E 5 2.6
DDA II 11 07 29 55.6 36.98N 28.23E 7 2.8
CSEM II 11 07 29 55.1–.21 36.93N 28.25E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.2km az=20.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=15.0.
ISC II 12 05 20 50.0–1.3 36.36N–.03 27.82E–.04 60–8 51 0-3
ISCJB II 12 05 20 49.5–.70 36.36N–.03 27.80E–.05 63–8 ¶13434526
ISK II 12 05 20 49.4 36.36N 27.80E 58 2.9
ATH II 12 05 20 49.8 36.37N 27.73E 52–3 3.4
DDA II 12 05 20 50.6 36.54N 28.14E 8 2.8
CSEM II 12 05 20 50.1–.12 36.36N 27.82E 56–2 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=25.8.
ATH Error ellipse: s-maj=0.5km s-min=1.5km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=126.0.
ISC II 12 10 03 32.9–1.4 36.87N–.06 28.24E–.03 2–11 19 0-2
ISCJB II 12 10 03 33.3–1.0 36.90N–.07 28.29E–.05 4–9 ¶15133219
DDA II 12 10 03 34.4 36.97N 28.25E 7 2.9
CSEM II 12 10 03 34.4 36.97N 28.25E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=5.9km az=13.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 14 01 57 24.5–1.2 36.24N–.03 27.54E–.04 13–11 30 0-2
ATH II 14 01 57 23.1 36.38N 27.23E 16–1 3.1 ¶14359102
CSEM II 14 01 57 24.5–.38 36.25N 27.36E 10 2.8
DDA II 14 01 57 36.5 36.77N 27.84E 7 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.9km s-min=7.9km az=117.0.
DDA Event type ke.
ISC II 15 09 50 47.1–.97 36.95N–.04 28.32E–.03 14–9 26 0-1
ISCJB II 15 09 50 47.0–.66 36.94N–.04 28.32E–.04 11–6 ¶13434658
ISK II 15 09 50 47.0 36.97N 28.30E 14 2.5
DDA II 15 09 50 47.8 36.98N 28.25E 7 2.8
CSEM II 15 09 50 47.5–.15 36.95N 28.32E 2 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.6km az=7.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=17.0.
ISC II 15 13 42 03.3–.00 36.93N–.05 28.30E–.03 13–8 24 0-1
ISK II 15 13 42 03.8 37.03N 28.30E 19 2.6 ¶13434666
CSEM II 15 13 42 04.5–.32 36.95N 28.29E 2 2.6
DDA II 15 13 42 05.8 36.90N 28.15E 6 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=5.5km az=177.0.
DDA Event type ke.
ISC II 18 00 20 30.2–1.1 36.95N–.03 28.27E–.02 2–10 51 0-2
ISCJB II 18 00 20 30.0–.65 36.93N–.04 28.27E–.03 3–6 ¶13434794
CSEM II 18 00 20 29.7–.27 36.89N 28.25E 5 2.8
ISK II 18 00 20 30.4 36.97N 28.35E 9 2.8
DDA II 18 00 20 30.9 36.99N 28.20E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=16.3.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=25.0.
DDA Event type ke.
ISC II 18 04 16 15.8–1.1 36.92N–.05 28.27E–.03 13–7 32 0-2
ISCJB II 18 04 16 16.3–.75 36.92N–.05 28.28E–.04 9–5 ¶13434807
ISK II 18 04 16 17.3 37.09N 28.25E 20 2.6
DDA II 18 04 16 17.1 36.98N 28.23E 7 2.9
CSEM II 18 04 16 17.3–.51 36.99N 28.25E 15 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.9km az=6.8.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=6.6km az=171.0.
ISC II 20 02 10 02.8–1.2 36.88N–.04 28.21E–.03 5–12 32 0-2
ISCJB II 20 02 10 02.5–.83 36.88N–.05 28.21E–.04 1–8 ¶13434888
ISK II 20 02 10 02.3 36.89N 28.21E 5 2.8
CSEM II 20 02 10 02.6–.15 36.87N 28.20E 2 2.8
DDA II 20 02 10 04.5 36.98N 28.18E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.5km az=23.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=18.0.
DDA Event type ke.
ISC II 20 03 24 02.2–1.4 36.92N–.08 28.28E–.07 7–25 8 0-1
ISCJB II 20 03 24 02.2–.99 36.94N–.08 28.3E–.10 12–10 ¶15133559
DDA II 20 03 24 03.0 36.97N 28.27E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=8.5km az=140.5.
DDA Event type ke.
ISC II 20 17 10 52.1–1.3 36.87N–.05 28.21E–.03 1–12 24 0-1
DDA II 20 17 10 53.8 36.95N 28.18E 7 2.7 ¶15133538
CSEM II 20 17 10 53.8 36.95N 28.18E 7 2.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 21 01 12 48.3–1.4 36.99N–.05 28.03E–.03 15–12 36 0-2
ISCJB II 21 01 12 48.8–.81 36.92N–.06 28.08E–.04 11–6 ¶13434929
ISK II 21 01 12 48.3 36.98N 28.05E 14 2.7
DDA II 21 01 12 49.1 36.95N 28.14E 7 3.0
CSEM II 21 01 12 49.1–.28 36.96N 28.06E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.4km az=5.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.3km az=10.0.
ATH II 21 20 55 16.4 36.74N 26.69E 24–3 3.5
CSEM II 21 20 55 16.4 36.74N 26.69E 24 3.5 ¶14359390
ATH Error ellipse: s-maj=1.5km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC II 22 11 46 07.0–1.1 36.97N–.03 28.27E–.03 1–10 34 0-1
DDA II 22 11 46 07.2 36.97N 28.18E 7 2.5 ¶13434974
CSEM II 22 11 46 07.2–.39 36.96N 28.26E 2 2.4
ISK II 22 11 46 07.0 36.98N 28.30E 8 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=6.2km az=26.0.
CSEM II 22 21 52 07.7–.76 36.36N 28.29E 2 3.0
ISK II 22 21 52 07.4 36.43N 28.32E 5 2.5 ¶13434991
DDA II 22 21 52 11.6 36.54N 28.36E 7 3.0
CSEM Event type ke. Error ellipse: s-maj=15.7km s-min=6.7km az=17.0.
DDA Event type ke.
ISC II 23 12 59 14.5–1.2 36.92N–.04 28.21E–.03 6–10 26 0-1
CSEM II 23 12 59 14.6–.31 36.90N 28.28E 10 2.5L ¶13435018
DDA II 23 12 59 15.8 36.97N 28.21E 7 2.8
ISK II 23 12 59 15.6 37.00N 28.17E 5 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=173.0.
DDA Event type ke.
ISC II 23 13 34 21.5–1.1 36.90N–.05 28.11E–.04 14–8 32 0-2
CSEM II 23 13 34 21.9–.44 36.91N 28.12E 10 2.2L ¶13435019
ISCJB II 23 13 34 22.0–.89 36.94N–.06 28.10E–.04 5–7 2.2L
ISK II 23 13 34 23.1 37.06N 28.04E 4 2.2L
DDA II 23 13 34 23.2 37.01N 28.05E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=5.1km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.1km az=174.2.
DDA Event type ke.
ISC II 24 05 50 31.7–1.1 36.96N–.02 28.17E–.02 3–10 84 0-3
ISCJB II 24 05 50 31.7–.52 36.95N–.02 28.21E–.03 3–4 ¶13435034
DDA II 24 05 50 32.0 36.98N 28.21E 7 3.1
ISK II 24 05 50 32.2 37.01N 28.24E 7 3.2
ATH II 24 05 50 32.4 36.99N 28.14E 18–5 3.3
CSEM II 24 05 50 32.5–.19 36.96N 28.18E 10 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=178.8.
DDA Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=3.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.3km az=163.0.
ISC II 24 06 11 42.9–2.3 36.6N–.10 26.78E–.06 9–17 9 1-3
ATH II 24 06 11 32.4 37.20N 27.71E 34–15 3.1 ¶14359467
CSEM II 24 06 11 32.4 37.20N 27.71E 34 3.1
DDA II 24 06 11 43.9 36.73N 26.69E 7 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
DDA Event type ke.
ISC II 24 13 28 44.5–1.5 36.44N–.06 28.78E–.03 0–12 30 0-1
CSEM II 24 13 28 44.9–.53 36.42N 28.77E 2 2.4 ¶13435050
ISK II 24 13 28 45.4 36.56N 28.78E 8 2.4
DDA II 24 13 28 45.2 36.49N 28.84E 7 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.2km s-min=5.3km az=24.0.
DDA Event type ke.
ISC II 25 21 36 31.6–1.9 36.19N–.04 28.35E–.03 36–1 46 0-2
ISCJB II 25 21 36 30.6–.74 36.22N–.04 28.35E–.05 63–8 ¶13435093
ISK II 25 21 36 30.3 36.25N 28.36E 22 3.0
ATH II 25 21 36 30.6 35.88N 28.44E 36–8 2.8
CSEM II 25 21 36 31.1–.18 36.21N 28.35E 60 2.9
DDA II 25 21 36 36.4 36.91N 28.84E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.9km az=41.3.
ATH Error ellipse: s-maj=4.2km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=143.0.
DDA Event type ke.
ISC II 26 00 00 37.9–.94 36.70N–.02 27.22E–.02 12–7 3.6b 175 0-57
DDA II 26 00 00 35.7 36.70N 27.11E 9 3.6 ¶12701877
ISK II 26 00 00 36.8 36.67N 27.19E 10 3.7L
IDC II 26 00 00 36.2–1.0 36.71N 27.13E 0 3.7,3.7
ATH II 26 00 00 37.7 36.72N 27.43E 78–2 3.9L,3.7
ISCJB II 26 00 00 37.7–.59 36.68N–.02 27.25E–.02 12–4 3.6b,3.7
CSEM II 26 00 00 37.7–.11 36.68N 27.24E 2 3.7L,3.7
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=18.2km az=164.0.
ATH Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=2.1.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=8.0.
ISC II 26 21 28 31.6–1.1 35.88N–.04 27.73E–.03 48–11 90 0-9
ISCJB II 26 21 28 30.2–.35 35.79N–.03 27.79E–.03 71–7 ¶13435126
ATH II 26 21 28 31.5 35.90N 27.70E 50–1 3.3
CSEM II 26 21 28 31.6–.15 35.78N 27.80E 52–6 3.3
ISK II 26 21 28 32.3 35.98N 27.70E 28 3.3
DDA II 26 21 28 32.3 36.23N 27.24E 12 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=148.2.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=150.0.
DDA Event type ke.
ISC II 27 12 18 17.8–1.1 36.06N–.03 26.93E–.03 15–10 49 1-3
ISCJB II 27 12 18 17.5–1.7 36.03N–.04 26.89E–.05 15–12 ¶14359543
ATH II 27 12 18 17.1 36.08N 26.91E 30–2 3.2
CSEM II 27 12 18 17.1–.27 36.09N 26.81E 8 3.2
DDA II 27 12 18 18.9 36.04N 27.10E 7 3.2

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.6km az=41.1.
ATH Error ellipse: s-maj=2.0km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.8km az=131.0.
DDA Event type ke.

ISC	**II**	**27 12 23 40.3–1.2**	**36.08N–.03**	**26.88E–.03**	**14–10**		**48**	**1-3**
ISCJB	II	27 12 23 39.0–1.8	36.02N–.04	26.89E–.05	7–13			¶14359544
ATH	II	27 12 23 39.8	36.09N	26.90E	29–2	3.1		
CSEM	II	27 12 23 40.1–.31	36.05N	26.80E	10	3.1		
DDA	II	27 12 23 41.9	36.04N	27.14E	13	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.8km az=139.3.
ATH Error ellipse: s-maj=1.8km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=6.9km az=147.0.
DDA Event type ke.

ATH	**II**	**27 12 27 35.3**	**36.10N**	**26.84E**	**23–14**	**2.9**		
CSEM	II	27 12 27 35.3	36.10N	26.84E	23	2.9		¶14359545

ATH Error ellipse: s-maj=6.2km s-min=7.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**II**	**27 12 51 35.1–.93**	**36.04N–.02**	**26.93E–.02**	**29–8**	**3.8b**	**131**	**1-58**
CSEM	II	27 12 51 33.6–.13	36.05N	26.82E	5	3.4		¶12702005
ATH	II	27 12 51 33.3	36.08N	26.90E	29–2	3.4		
ISCJB	II	27 12 51 34.7–.49	36.04N–.02	26.86E–.03	26–5	3.7b		
ISK	II	27 12 51 34.7	36.09N	26.98E	8	3.7		
DDA	II	27 12 51 34.3	36.00N	27.13E	10	3.4		
THE	II	27 12 51 35.4	36.07N	26.91E	19–1	3.5L		
IDC	II	27 12 51 37.4–3.2	35.95N	27.00E	53–38	3.8L,3.6		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=147.0.
ATH Error ellipse: s-maj=2.2km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=144.4.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=58.0.
IDC Error ellipse: s-maj=22.3km s-min=18.7km az=137.0.

DDA	**II**	**27 20 21 51.5**	**36.98N**	**28.29E**	**8**	**2.5**		
								¶15133766

DDA Event type ke.

ISC	**II**	**27 21 04 14.7–1.1**	**36.93N–.04**	**28.27E–.02**	**7–9**		**34**	**0-1**
ISK	II	27 21 04 15.2	36.99N	28.22E	12	1.9		¶13435172
DDA	II	27 21 04 15.7	36.97N	28.19E	7	2.7		
CSEM	II	27 21 04 15.4–.24	36.94N	28.24E	2	1.9		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=178.0.

ISC	**II**	**28 08 30 15.7–1.3**	**36.90N–.05**	**28.23E–.03**	**2–12**		**28**	**0-1**
ISK	II	28 08 30 15.8	37.02N	28.25E	22	2.2		¶13435186
CSEM	II	28 08 30 16.8–.34	36.93N	28.23E	2	2.2		
DDA	II	28 08 30 17.1	36.98N	28.22E	7	2.6		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.5km az=20.0.
DDA Event type ke.

ISC	**III**	**01 06 23 19.7–1.4**	**35.63N–.05**	**27.18E–.04**	**4–11**		**46**	**1-4**
ISK	III	01 06 23 13.2	35.27N	26.65E	81	3.6		¶13435245
ATH	III	01 06 23 19.0	35.57N	27.37E	80–2	3.6		
CSEM	III	01 06 23 19.5–.36	35.66N	27.17E	2	3.6		
ISCJB	III	01 06 23 20.4–1.0	35.58N–.06	27.22E–.05	17–12	3.6		
DDA	III	01 06 23 23.7	35.76N	27.18E	30	2.9		

ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=5.2km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=5.3km az=157.1.
DDA Event type ke.

ISC	**III**	**01 07 55 16.7–1.2**	**36.91N–.04**	**28.20E–.03**	**3–11**		**40**	**0-2**
DDA	III	01 07 55 17.7	36.98N	28.23E	7	2.8		¶13435254
CSEM	III	01 07 55 17.2–.47	36.94N	28.24E	0–3	2.6		
ISK	III	01 07 55 19.0	37.14N	28.17E	12	2.6		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.9km az=11.0.

ISC	**III**	**02 01 01 44.9–2.9**	**36.2N–.10**	**28.26E–.05**	**2–20**		**26**	**1-3**
ISK	III	02 01 01 43.2	36.02N	28.27E	11	3.0		¶13435346
CSEM	III	02 01 01 43.0–1.2	35.97N	28.25E	10	2.9		
DDA	III	02 01 01 55.2	36.97N	28.53E	7	2.9		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=28.2km s-min=9.8km az=8.0.
DDA Event type ke.

ISC	**III**	**02 16 50 41.0–1.2**	**36.87N–.04**	**27.86E–.03**	**3–14**		**21**	**0-1**
CSEM	III	02 16 50 41.6–.55	36.88N	27.87E	15	2.0		¶13435396
ISCJB	III	02 16 50 44.0–2.0	36.93N–.06	27.7E–.10	19–26	2.0		
DDA	III	02 16 50 43.5	36.93N	27.70E	7	2.6		
ISK	III	02 16 50 43.2	36.92N	27.66E	22	2.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.6km s-min=9.3km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=8.4km az=154.0.
DDA Event type ke.

ATH	**III**	**02 22 00 47.3**	**36.66N**	**26.62E**	**5–3**	**2.5**		
CSEM	III	02 22 00 47.3	36.66N	26.62E	2	2.5		¶11754807

ATH Error ellipse: s-maj=0.7km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**III**	**02 22 01 10.3–2.9**	**36.69N–.02**	**26.64E–.02**	**12–21**	**3.2b**	**156**	**0-58**
ATH	III	02 22 01 08.8	36.77N	26.70E	21–1	3.5L		¶12702301
IDC	III	02 22 01 08.4–1.6	36.45N	26.77E	0	3.2b,3.2		
DDA	III	02 22 01 09.2	36.65N	26.62E	8	3.6L,3.2		
ISCJB	III	02 22 01 10.7–.40	36.71N–.03	26.62E–.02	26–4	3.2b,3.2		
CSEM	III	02 22 01 10.8–.24	36.70N	26.65E	19–2	3.4L,3.2		
THE	III	02 22 01 11.0	36.70N	26.65E	16–2	3.4L,3.2		
ISK	III	02 22 01 13.0	36.79N	26.77E	36	3.1,3.2		

ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=223.4km s-min=25.6km az=143.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=176.7.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=168.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=82.0.

IDC	**III**	**02 22 01 49.0–1.4**	**36.81N**	**26.41E**	**0**	**3.4b,3.3**		
								¶16392047

IDC Error ellipse: s-maj=171.5km s-min=22.9km az=142.0.

ISC	**III**	**02 22 02 07.4–.59**	**36.69N–.02**	**26.62E–.02**	**18–3**	**4.6b**	**950**	**0-116**
BJI	III	02 22 02 02.5	36.30N	26.30E	10	4.3b		¶12702302
ISCJB	III	02 22 02 04.5–.14	36.57N–.02	26.61E–.02	10	4.4b,4.1s		
IDC	III	02 22 02 04.4–.56	36.73N	26.60E	0	4.3b,4.2		
ISK	III	02 22 02 05.6	36.21N	26.30E	35	4.0L,4.2		
NEIC	III	02 22 02 06.8	36.68N	26.66E	8	4.9L,4.6b		
ATH	III	02 22 02 06.8	36.68N	26.66E	8–1	4.9L,4.6b		
MOS	III	02 22 02 07.1–1.4	36.41N	26.54E	33	4.7b,4.0s		
DDA	III	02 22 02 07.1	36.76N	26.66E	2	4.6L,4.0s		
SZGRF	III	02 22 02 08.9	37.14N	27.25E	33	4.0b,4.0s		
THE	III	02 22 02 08.1	36.71N	26.64E	17–1	4.4L,4.0s		
CSEM	III	02 22 02 09.0–.07	36.64N	26.58E	30	4.7b,4.2W		
HLW	III	02 22 02 11.1	36.42N	26.82E	33–15	3.9,3.8L		
BEO	III	02 22 02 48.6	39.51N	25.09E	0	3.9,3.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=25.0.
IDC Error ellipse: s-maj=15.1km s-min=10.6km az=156.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.7km s-min=0.5km az=-1.0.
MOS Error ellipse: s-maj=5.2km s-min=2.8km az=122.6.
DDA Event type ke.
SZGRF Turkey.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=35.0.
BEO Event type ke.

ISC	**III**	**03 01 12 55.9–1.2**	**36.94N–.07**	**28.24E–.07**	**12–11**		**22**	**0-1**
ISCJB	III	03 01 12 56.5–.76	36.97N–.05	28.30E–.06	10–8			¶13435427
ISK	III	03 01 12 56.4	37.14N	28.29E	24	2.0		
DDA	III	03 01 12 57.0	36.97N	28.21E	7	2.8		
CSEM	III	03 01 12 57.3–.43	36.99N	28.30E	2	2.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.7km az=39.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=7.7km az=39.0.

ISC	**III**	**03 02 23 50.8–1.3**	**36.67N–.02**	**26.61E–.02**	**1–11**		**64**	**1-3**
ATH	III	03 02 23 50.9	36.72N	26.67E	25–4	3.1		¶13435431
ISCJB	III	03 02 23 51.7–.64	36.64N–.03	26.59E–.03	12–5	3.1		
DDA	III	03 02 23 51.1	36.67N	26.63E	3	2.9		
CSEM	III	03 02 23 52.1–.17	36.65N	26.60E	15	3.2		
ISK	III	03 02 23 53.5	36.70N	26.63E	32	3.2		

ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=162.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=149.0.

ISC	**III**	**03 07 19 39.1–1.1**	**36.68N–.03**	**26.64E–.02**	**11–12**		**57**	**0-3**
ISCJB	III	03 07 19 39.2–.62	36.67N–.03	26.62E–.03	9–5			¶13435443
ISK	III	03 07 19 39.2	36.71N	26.62E	9	2.9		
ATH	III	03 07 19 39.3	36.75N	26.66E	45	3.3		
CSEM	III	03 07 19 39.3–.15	36.67N	26.62E	8	3.0		
DDA	III	03 07 19 41.6	36.67N	26.85E	7	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=172.4.
ATH Error ellipse: s-maj=2.8km s-min=3.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=162.0.
DDA Event type ke.

ISC	**III**	**03 08 51 23.1–1.2**	**36.99N–.04**	**28.16E–.03**	**7–8**		**37**	**0-2**
DDA	III	03 08 51 23.0	36.99N	28.28E	11	2.7		¶13435448
ISK	III	03 08 51 23.2	37.01N	28.17E	3	2.4		
CSEM	III	03 08 51 24.1–.36	37.02N	28.19E	8	2.4		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=5.3km az=29.0.

ISC	**III**	**03 11 04 14.6–1.0**	**36.96N–.05**	**28.26E–.03**	**12–10**		**23**	**0-1**
ISK	III	03 11 04 11.5	37.37N	28.38E	29	2.2		¶13435459
ISCJB	III	03 11 04 14.2–.78	36.90N–.05	28.27E–.05	10–8	2.2		
CSEM	III	03 11 04 14.4–.34	36.90N	28.27E	10	2.2		
DDA	III	03 11 04 15.9	36.97N	28.21E	7	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.3km az=19.6.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=5.3km az=20.0.
DDA Event type ke.

ISC	**III**	**03 14 39 34.2–1.1**	**36.86N–.06**	**28.14E–.03**	**12**		**19**	**0-1**
ISCJB	III	03 14 39 34.9–.91	36.93N–.06	28.29E–.05	12			¶13435474
CSEM	III	03 14 39 34.7–.25	36.96N	28.39E	20	1.6		
DDA	III	03 14 39 35.5	37.00N	28.26E	7	2.6		
ISK	III	03 14 39 36.2	37.22N	28.21E	18	1.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.2km az=21.5.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=5.3km az=35.0.
DDA Event type ke.

ISC	**III**	**04 16 25 37.7–1.3**	**37.95N–.03**	**26.76E–.03**	**22–5**		**36**	**0-1**
ATH	III	04 16 25 35.9	37.86N	26.70E	3	2.9		¶13435526
CSEM	III	04 16 25 36.3–.21	37.87N	26.62E	1–0	2.7		
DDA	III	04 16 25 37.8	38.01N	26.85E	19	2.7		
ISK	III	04 16 25 37.6	37.89N	26.81E	3	2.5		

ISC Event type ke.
ATH Error ellipse: s-maj=3.0km s-min=10.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=76.0.
DDA Event type ke.

ISC	**III**	**04 16 52 26.2–1.3**	**37.90N–.03**	**26.74E–.04**	**6–19**		**19**	**0-1**
CSEM	III	04 16 52 24.8–.19	37.86N	26.64E	10	2.5		¶13435529
DDA	III	04 16 52 25.1	37.88N	26.69E	7	2.8		
ISK	III	04 16 52 25.8	37.89N	26.79E	4	2.5		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.0km az=73.0.
DDA Event type ke.

ISC	**III**	**05 08 26 20.8–1.1**	**36.99N–.04**	**27.79E–.04**	**4–13**		**26**	**0-1**
ISCJB	III	05 08 26 22.7–.76	36.94N–.05	27.60E–.07	11–8			¶13435551
DDA	III	05 08 26 22.7	36.95N	27.60E	5	2.8		
ISK	III	05 08 26 22.1	36.93N	27.59E	14	2.1		
CSEM	III	05 08 26 22.8–.18	36.93N	27.61E	5	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.5km az=146.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=96.0.

ISC	**III**	**06 05 02 05.5–1.2**	**37.27N–.03**	**26.88E–.03**	**10–11**		**71**	**0-3**
DDA	III	06 05 02 04.4	37.28N	26.87E	1	2.9		¶13435580
ISK	III	06 05 02 05.4	37.31N	26.88E	8	2.7		
CSEM	III	06 05 02 05.7–.24	37.27N	26.86E	2	2.7		
ATH	III	06 05 02 06.6	37.10N	26.91E	14–1	3.3		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.9km az=114.0.
ATH Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.

ISC	**III**	**06 17 19 50.0–1.4**	**37.25N–.03**	**26.82E–.03**	**4–11**		**104**	**0-4**
ISK	III	06 17 19 48.6	37.26N	26.61E	2	3.4		¶13435614
CSEM	III	06 17 19 50.7–.18	37.27N	26.70E	2	3.2		
ISCJB	III	06 17 19 51.2–.81	37.27N–.02	26.76E–.04	11–6	3.2		
ATH	III	06 17 19 51.6	37.30N	26.86E	38–3	3.0		
DDA	III	06 17 19 52.5	37.31N	26.86E	7	3.2		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=170.1.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
DDA Event type ke.

ISC	**III**	**07 21 01 42.4–.00**	**35.70N–.03**	**27.40E–.03**	**11–7**		**73**	**0-4**
ISK	III	07 21 01 41.8	35.62N	27.27E	10	3.3		¶13435674
ATH	III	07 21 01 42.7	35.70N	27.40E	27–2	3.0		
ISCJB	III	07 21 01 43.0–1.3	35.71N–.04	27.32E–.04	5–10	3.0		
CSEM	III	07 21 01 43.8–.18	35.71N	27.31E	8	3.0		
DDA	III	07 21 01 45.9	35.85N	27.54E	28	3.3		
THE	III	07 21 01 45.4	35.75N	27.41E	23–5	3.4L		

ISC Event type ke.
ATH Error ellipse: s-maj=5.2km s-min=3.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.6km az=141.4.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.9km az=145.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=0.9km az=131.0.

ISC	**III**	**08 20 55 55.1–1.5**	**36.88N–.06**	**28.24E–.03**	**1–13**		**21**	**0-1**
DDA	III	08 20 55 55.8	36.94N	28.05E	7	2.8		¶13435774
CSEM	III	08 20 55 56.2–.15	36.97N	28.33E	2	2.6		
ISK	III	08 20 55 57.4	37.06N	28.21E	2	2.6		

ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=30.0.

ISC	**III**	**09 14 13 08.0–1.5**	**36.78N–.08**	**28.11E–.03**	**12**		**18**	**0-1**
ISCJB	III	09 14 13 07.6–1.5	36.74N–.09	28.12E–.05	12			¶13435854
ISK	III	09 14 13 11.2	36.96N	28.01E	8	2.3		
CSEM	III	09 14 13 11.9–.53	36.96N	28.02E	2	2.5		
DDA	III	09 14 13 11.0	36.96N	28.06E	7	2.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=5.2km az=3.4.
CSEM Event type ke.
DDA Event type ke.

ISC III 11 19 39 13.6–.97 35.80N–.04 27.46E–.03 13–9 78 0-4
ISCJB III 11 19 39 12.6–.95 35.86N–.04 27.38E–.04 1–7 **¶14190266**
ATH III 11 19 39 12.8 35.78N 27.49E 24–0 3.5
CSEM III 11 19 39 13.8–.19 35.81N 27.41E 8 3.5
THE III 11 19 39 15.4 35.83N 27.55E 29–26 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.3km az=143.6.
ATH Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.0km az=148.0.
THE Event type ke. Error ellipse: s-maj=27.1km s-min=0.8km az=94.0.
ISC III 15 19 14 12.2–1.1 37.92N–.03 26.93E–.05 13–10 28 0-1
ISK III 15 19 14 11.5 37.95N 26.86E 17 2.7 **¶13436378**
ISCJB III 15 19 14 12.2–.75 37.92N–.03 26.94E–.07 11–7 2.7
DDA III 15 19 14 12.3 37.92N 26.99E 7 3.0
CSEM III 15 19 14 12.5–.18 37.92N 26.94E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.0km az=159.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.2km az=70.0.
ISC III 16 09 07 31.5–.86 36.17N–.02 25.33E–.02 14–6 155 0-43
IDC III 16 09 07 20.9–5.9 34.95N 25.01E 0 3.5b,3.5 **¶12703410**
ISCJB III 16 09 07 31.3–.34 36.20N–.02 25.31E–.02 16–4 3.5b,3.5
THE III 16 09 07 31.6 36.17N 25.33E 10–1 3.2L,3.5
ATH III 16 09 07 31.2 36.17N 25.33E 31–2 3.5L,3.5
CSEM III 16 09 07 31.1–.14 36.18N 25.31E 10 3.2L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=98.0km s-min=41.1km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=6.4.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=82.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=83.0.
ISC III 18 20 11 17.5–3.6 36.06N–.06 27.43E–.05 13–27 21 1-2
ATH III 18 20 11 16.9 36.17N 27.25E 9 3.2 **¶14370045**
ISCJB III 18 20 11 17.8–3.1 36.06N–.05 27.34E–.06 5–25 3.2
CSEM III 18 20 11 18.3–.33 36.03N 27.36E 12 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=5.6km s-min=3.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.6km az=42.1.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=6.7km az=138.0.
ISC III 19 17 27 48.3–1.4 37.03N–.04 26.52E–.02 9–12 41 1-2
ATH III 19 17 27 45.7 36.15N 25.33E 5 2.9 **¶13436759**
ISK III 19 17 27 48.8 37.03N 26.53E 10 3.1
DDA III 19 17 27 48.1 37.02N 26.54E 7 3.8L
CSEM III 19 17 27 48.3–.23 36.97N 26.51E 9 3.1
ISCJB III 19 17 27 48.8–.72 36.99N–.05 26.53E–.03 10–7 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
CSEM III 20 09 03 09.8–.94 35.08N 27.75E 10 3.2
ATH III 20 09 03 15.7 35.18N 27.36E 38–3 3.2 **¶14370094**
CSEM Event type ke. Error ellipse: s-maj=31.8km s-min=11.1km az=161.0.
ATH Error ellipse: s-maj=4.8km s-min=2.9km az=-1.0.
ISC III 22 06 20 47.2–.88 36.97N–.02 27.84E–.02 15–7 77 0-3
ATH III 22 06 20 44.7 37.08N 27.96E 34–5 3.2 **¶13436996**
ISK III 22 06 20 46.6 36.96N 27.87E 10 3.2
DDA III 22 06 20 46.9 36.98N 27.87E 7 3.3
ISCJB III 22 06 20 47.0–.45 36.94N–.02 27.84E–.03 13–3 3.3
CSEM III 22 06 20 47.1–.17 36.93N 27.82E 15 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=4.5km s-min=3.2km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=36.1.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=121.0.
ISC III 22 08 09 23.6–1.3 36.85N–.04 28.01E–.03 3–18 23 0-1
CSEM III 22 08 09 24.4–.30 36.90N 28.04E 2 2.4 **¶13437007**
ISK III 22 08 09 25.7 36.97N 27.88E 16 2.4
DDA III 22 08 09 26.1 36.96N 27.89E 7 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=1.0.
DDA Event type ke.
ISC III 22 15 08 18.6–.99 36.99N–.02 28.18E–.02 6–8 94 0-3
ATH III 22 15 08 16.8 36.98N 28.32E 20–1 3.4 **¶13437034**
ISCJB III 22 15 08 19.0–.58 37.02N–.03 28.14E–.03 10–4 3.4
ISK III 22 15 08 18.2 37.02N 28.18E 3 3.2
DDA III 22 15 08 18.1 36.97N 28.18E 3 3.1
CSEM III 22 15 08 18.6–.14 37.00N 28.15E 5 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=1.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=161.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=157.0.
ISC III 22 15 41 18.1–.92 36.24N–.02 25.67E–.05 16–8 42 0-1
CSEM III 22 15 41 17.8–.12 36.25N 25.68E 15 2.2L **¶14190563**
ISCJB III 22 15 41 18.1–.77 36.24N–.03 25.68E–.07 17–9 2.2L
ATH III 22 15 41 18.1 36.25N 25.70E 37–1 3.1
THE III 22 15 41 20.2 36.33N 25.60E 14–4 2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.3km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.8km az=5.8.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.9km s-min=0.9km az=264.0.
ISC III 24 01 54 11.1–1.1 36.94N–.06 27.86E–.03 16–9 41 0-2
ISCJB III 24 01 54 10.7–.74 36.90N–.05 27.89E–.03 10–5 **¶13437140**
ISK III 24 01 54 10.6 36.96N 27.91E 20 2.6
CSEM III 24 01 54 10.8–.30 36.91N 27.89E 15 2.6
DDA III 24 01 54 11.4 36.96N 27.88E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.2km az=15.9.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.6km az=17.0.
DDA Event type ke.
ISC III 24 03 26 47.4–1.3 36.89N–.08 28.00E–.03 6–13 26 0-1
CSEM III 24 03 26 47.3–.68 36.81N 27.96E 2 2.2 **¶13437145**
ISK III 24 03 26 48.9 36.96N 27.88E 3 2.2
DDA III 24 03 26 49.5 36.95N 27.87E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.3km s-min=6.2km az=7.0.
DDA Event type ke.
ISC III 24 04 05 50.7–1.4 36.86N–.06 27.86E–.03 5–10 33 0-2
ISK III 24 04 05 52.2 36.96N 27.89E 11 2.5 **¶13437148**
DDA III 24 04 05 52.3 36.95N 27.85E 7 2.8
CSEM III 24 04 05 52.6–.22 36.93N 27.88E 8 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.8km az=12.0.
ISC III 24 04 10 23.9–1.5 36.79N–.06 27.98E–.03 1–18 22 0-1
ISCJB III 24 04 10 24.2–1.8 36.79N–.08 27.97E–.05 19–53 **¶13437150**
CSEM III 24 04 10 24.1–.93 36.78N 27.97E 20 2.7
ISK III 24 04 10 27.3 36.97N 27.87E 5 2.2
DDA III 24 04 10 27.1 36.95N 27.88E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=6.9km az=13.2.
CSEM Event type ke. Error ellipse: s-maj=20.5km s-min=10.0km az=7.0.
DDA Event type ke.
ISC III 27 06 58 50.1–1.2 36.28N–.02 27.65E–.02 12–10 52 0-2
ISCJB III 27 06 58 48.9–.96 36.23N–.03 27.61E–.04 2–7 **¶13437418**
ATH III 27 06 58 49.9 36.28N 27.66E 23–1 3.2
ISK III 27 06 58 50.1 36.28N 27.60E 23 2.7
CSEM III 27 06 58 50.9–.27 36.25N 27.60E 20 3.2
DDA III 27 06 58 51.2 36.35N 27.76E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=136.3.
ATH Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.7km az=141.0.
DDA Event type ke.
ISC III 28 12 01 48.3–1.3 36.52N–.06 28.68E–.03 13–9 32 0-1
ISCJB III 28 12 01 47.9–.00 36.50N–.06 28.65E–.04 1–9 **¶13437520**
ISK III 28 12 01 47.4 36.49N 28.66E 13 2.6
CSEM III 28 12 01 47.9–.32 36.49N 28.66E 10 2.6
DDA III 28 12 01 48.8 36.56N 28.67E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=4.9km az=15.6.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=3.1km az=14.0.
DDA Event type ke.
ISC IV 02 09 33 07.9–1.1 36.12N–.02 27.24E–.03 9–10 53 1-3
ISK IV 02 09 33 05.6 36.07N 27.11E 6 2.8 **¶13567844**
ATH IV 02 09 33 07.3 36.13N 27.22E 17–1 3.0
CSEM IV 02 09 33 07.5–.15 36.13N 27.23E 2 3.0
DDA IV 02 09 33 07.2 36.07N 27.26E 4 3.5
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.9km az=130.0.
DDA Event type ke.
ISC IV 02 14 01 15.5–1.0 36.13N–.02 27.17E–.03 24–12 88 0-4
THE IV 02 14 01 13.8 36.14N 27.55E 20–5 3.4L **¶13567853**
ISK IV 02 14 01 13.2 36.11N 27.09E 6 3.4L
DDA IV 02 14 01 13.6 36.21N 27.06E 26 3.3
ATH IV 02 14 01 14.6 36.13N 27.16E 25–2 3.4
ISCJB IV 02 14 01 14.4–.68 36.12N–.03 27.15E–.04 9–5 3.4
CSEM IV 02 14 01 15.0–.15 36.16N 27.12E 8 3.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=8.6km s-min=1.9km az=93.0.
DDA Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.3km az=43.9.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.0km az=131.0.
ISC IV 06 04 55 17.2–.98 37.92N–.02 27.00E–.04 15–8 49 0-2
ISK IV 06 04 55 13.9 37.92N 26.65E 13 2.9 **¶13567935**
CSEM IV 06 04 55 17.2–.22 37.92N 27.01E 15 2.9
DDA IV 06 04 55 17.7 37.96N 27.09E 9 2.9
ISCJB IV 06 04 55 17.2–.59 37.92N–.02 27.00E–.07 11–5 2.9
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC IV 06 15 08 22.8–2.3 36.6N–.10 27.66E–.05 0–13 27 0-1
CSEM IV 06 15 08 23.6–1.1 36.63N 27.67E 2 3.0 **¶13567964**
ISK IV 06 15 08 27.6 36.83N 27.49E 15 2.4
DDA IV 06 15 08 27.3 36.81N 27.53E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=18.6km s-min=8.2km az=24.0.
DDA Event type ke.
ISC IV 07 14 07 22.4–.94 36.97N–.05 28.29E–.03 14–8 25 0-1
CSEM IV 07 14 07 21.8–.67 36.92N 28.31E 14–7 2.4 **¶13567989**
ISCJB IV 07 14 07 22.4–.74 36.94N–.05 28.27E–.04 9–7 2.4
DDA IV 07 14 07 23.2 36.98N 28.23E 7 2.8
ISK IV 07 14 07 23.0 37.08N 28.24E 22 2.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=6.5km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.0km az=16.2.
DDA Event type ke.
ISC IV 07 15 21 35.6–1.3 36.75N–.04 26.32E–.03 1–12 44 1-3
ATH IV 07 15 21 33.7 36.85N 26.64E 5 3.2 **¶13567990**
DDA IV 07 15 21 35.5 36.74N 26.36E 7 3.1
ISK IV 07 15 21 35.8 36.66N 26.35E 4 2.9
ISCJB IV 07 15 21 36.8–.75 36.73N–.05 26.38E–.03 0–6 2.9
CSEM IV 07 15 21 37.2–.27 36.74N 26.40E 2 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.2km az=166.7.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=4.9km az=147.0.
ISC IV 07 18 26 33.0–1.2 36.88N–.03 26.53E–.02 7–9 102 1-42
DDA IV 07 18 26 29.3 36.79N 26.37E 1 3.4 **¶12934701**
IDC IV 07 18 26 31.9–2.2 37.39N 26.01E 0 3.3b,3.2
ATH IV 07 18 26 32.1 36.98N 26.64E 20–0 3.2,3.2
ISK IV 07 18 26 33.8 36.85N 26.54E 61 3.6,3.2
ISCJB IV 07 18 26 33.2–.95 36.89N–.03 26.54E–.03 13–7 3.2b,3.2
CSEM IV 07 18 26 33.0–.16 36.87N 26.57E 8 3.6,3.2
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=194.9km s-min=24.4km az=147.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=169.8.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=170.0.
ISC IV 07 21 19 10.4–2.5 36.0N–.10 27.13E–.05 8–12 26 1-3
CSEM IV 07 21 19 11.8–.70 36.08N 27.08E 2 3.1 **¶13567996**
ISK IV 07 21 19 12.2 36.11N 27.14E 9 2.9
DDA IV 07 21 19 22.2 36.64N 27.53E 7 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.1km s-min=11.9km az=39.0.
DDA Event type ke.
ISC IV 08 23 50 20.9–1.0 37.72N–.02 26.85E–.02 12–9 95 0-3
ATH IV 08 23 50 19.9 37.68N 26.86E 30–5 3.0 **¶13568021**
ISCJB IV 08 23 50 20.7–.56 37.70N–.02 26.83E–.03 7–4 3.0
DDA IV 08 23 50 20.8 37.74N 26.87E 14 3.1
ISK IV 08 23 50 20.9 37.75N 26.92E 6 3.2
CSEM IV 08 23 50 21.4–.17 37.72N 26.86E 10 3.1
THE IV 08 23 50 24.6 37.76N 26.53E 0–1 2.4L
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=151.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=53.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=107.0.
ISC IV 09 02 21 40.6–1.0 36.80N–.02 27.24E–.03 10–8 97 0-4
ISCJB IV 09 02 21 39.8–.86 36.78N–.03 27.20E–.03 2–6 **¶13568025**
CSEM IV 09 02 21 40.6–.15 36.79N 27.22E 2 3.2L
ATH IV 09 02 21 40.4 36.81N 27.22E 23–4 3.3
DDA IV 09 02 21 41.0 36.92N 27.27E 26 3.2L
ISK IV 09 02 21 41.0 36.84N 27.23E 9 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=0.8.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=164.0.
ATH Error ellipse: s-maj=1.9km s-min=1.8km az=-1.0.
DDA Event type ke.
ATH IV 09 08 21 13.6 37.75N 26.35E 31 3.5
CSEM IV 09 08 21 13.6 37.75N 26.35E 31 3.5 **¶14694001**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 10 10 49 01.9–.98 36.06N–.03 27.91E–.03 58–7 218 0-9
DDA IV 10 10 48 57.4 35.80N 27.63E 29 3.2 **¶13568046**
ISK IV 10 10 49 00.6 36.01N 27.81E 53 3.7,3.7L
ISCJB IV 10 10 49 00.5–.24 36.00N–.02 27.94E–.02 79–6 3.7,3.7L
CSEM IV 10 10 49 02.1–.10 35.99N 27.97E 60 3.2L,3.7L
ATH IV 10 10 49 02.5 36.25N 27.60E 27–2 3.3,3.7L
HLW IV 10 10 49 04.7 35.65N 28.06E 33–25 4.0,3.2L
THE IV 10 10 49 04.7 36.10N 27.78E 37–4 3.2L,3.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=119.0.
ATH Error ellipse: s-maj=2.7km s-min=2.0km az=-1.0.

THE Event type ke. Error ellipse: s-maj=4.4km s-min=0.9km az=114.0.
ISC IV 10 23 02 57.9–2.7 36.23N–.04 28.95E–.03 18–7 86 0-5
ISK IV 10 23 02 56.3 36.19N 29.00E 17 3.2 ¶13568057
ATH IV 10 23 02 56.0 36.23N 29.05E 35–2 3.8
ISCJB IV 10 23 02 57.4–.75 36.17N–.04 28.95E–.05 24–5 3.8
DDA IV 10 23 02 57.2 36.24N 28.90E 29 3.3
CSEM IV 10 23 02 57.6–.27 36.20N 28.98E 20 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=4.2km s-min=1.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.9km az=135.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.1km az=135.0.
ISC IV 12 12 25 14.0–1.1 36.97N–.02 28.26E–.02 3–10 62 0-3
ISCJB IV 12 12 25 13.7–.55 36.95N–.03 28.21E–.03 3–5 ¶13568074
CSEM IV 12 12 25 13.9–.21 36.97N 28.22E 2 2.9
DDA IV 12 12 25 13.9 36.97N 28.18E 7 2.9
ISK IV 12 12 25 13.8 36.98N 28.21E 14 2.9
ATH IV 12 12 25 14.4 36.98N 28.13E 16–5 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=42.1.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=36.0.
DDA Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0.
ISC IV 13 13 04 31.1–1.4 35.48N–.05 27.21E–.03 2–9 66 0-5
ISCJB IV 13 13 04 30.4–1.0 35.45N–.05 27.23E–.04 2–6 ¶13568094
ATH IV 13 13 04 31.1 35.49N 27.14E 5–0 3.5
ISK IV 13 13 04 31.6 35.58N 27.07E 8 3.0
CSEM IV 13 13 04 32.4–.33 35.54N 27.23E 2 3.5
DDA IV 13 13 04 44.6 36.11N 28.01E 30 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.3km az=159.6.
ATH Error ellipse: s-maj=0.8km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=3.9km az=165.0.
DDA Event type ke.
ISC IV 15 09 27 11.5–1.2 36.54N–.04 28.90E–.03 6–8 47 0-2
ISCJB IV 15 09 27 12.0–.80 36.52N–.04 28.91E–.04 9–4 ¶13568130
CSEM IV 15 09 27 12.1–.45 36.52N 28.93E 12 2.3L
DDA IV 15 09 27 12 36.56N 28.90E 7 2.8
ISK IV 15 09 27 12.4 36.62N 28.92E 5 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.8km az=17.4.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=5.8km az=16.0.
DDA Event type ke.
ISC IV 15 09 39 53.8–1.1 36.83N–.04 28.13E–.03 14–10 30 0-1
ISK IV 15 09 39 54.4 36.89N 28.10E 20 1.9L ¶13568131
ISCJB IV 15 09 39 55.2–.76 36.90N–.05 28.10E–.05 19–14 1.9L
DDA IV 15 09 39 55 36.93N 28.01E 7 2.6
CSEM IV 15 09 39 55.1–.18 36.90N 28.08E 17–1 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.3km az=163.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=177.0.
ISC IV 15 10 36 20.2–1.1 36.54N–.04 28.94E–.02 6–10 48 0-2
ISCJB IV 15 10 36 18.8–.89 36.47N–.05 28.95E–.04 4–5 ¶13568133
ISK IV 15 10 36 18.5 36.50N 28.95E 3 2.5L
CSEM IV 15 10 36 19.1–.27 36.49N 28.93E 5 2.5L
DDA IV 15 10 36 20.1 36.57N 28.91E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.1km az=0.9.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=5.0.
DDA Event type ke.
ISC IV 16 01 01 50.5–.90 36.95N–.03 28.26E–.03 15–6 34 0-2
ISCJB IV 16 01 01 50.9–.63 36.97N–.04 28.32E–.04 19–7 ¶13568147
ISK IV 16 01 01 50.6 37.01N 28.25E 20 1.9L
CSEM IV 16 01 01 51.0–.31 36.97N 28.26E 15 1.9L
DDA IV 16 01 01 51.6 36.97N 28.18E 8 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.3km az=21.5.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.6km az=16.0.
DDA Event type ke.
ISK IV 17 04 21 23.3 37.39N 26.97E 9 3.0
DDA IV 17 04 21 24.0 37.39N 27.00E 7 2.7 ¶13568191
CSEM IV 17 04 21 23.8–.23 37.38N 26.98E 8 2.7
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=64.0.
ISC IV 20 14 49 57.6–.99 36.63N–.02 25.61E–.02 17–7 81 0-3
CSEM IV 20 14 49 57.6–.22 36.65N 25.61E 12 3.0L ¶14191203
ISCJB IV 20 14 49 57.8–.53 36.66N–.02 25.61E–.04 13–4 3.0L
THE IV 20 14 49 57.5 36.63N 25.70E 14–1 3.0L
ATH IV 20 14 49 57.5 36.64N 25.60E 23–1 3.5,3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=174.9.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=277.0.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
ISC IV 21 18 07 43.1–1.5 36.58N–.05 26.90E–.04 119–13 50 1-3
ISCJB IV 21 18 07 42.7–.93 36.55N–.07 26.89E–.06 124–11 ¶13568311
CSEM IV 21 18 07 43.3–.38 36.57N 26.89E 118–5 3.0
DDA IV 21 18 07 43.6 35.87N 27.25E 9 3.0
ISK IV 21 18 07 45.6 36.11N 27.27E 82 2.5L
THE IV 21 18 07 46.0 36.65N 26.69E 14–5 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=4.8km az=151.1.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=3.4km az=153.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=5.9km s-min=1.5km az=347.0.
ISC IV 26 04 22 15.1–1.5 35.84N–.06 27.81E–.06 50–13 39 0-3
DDA IV 26 04 22 10.4 35.47N 28.19E 9 2.9 ¶13568416
ISK IV 26 04 22 12.0 35.80N 27.76E 18 2.9
ISCJB IV 26 04 22 14.6–.94 35.83N–.07 27.80E–.08 54–11 2.9
ATH IV 26 04 22 15.1 35.90N 27.70E 41–1 3.1
CSEM IV 26 04 22 15.0–.50 35.83N 27.84E 47–9 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=5.3km az=136.7.
ATH Error ellipse: s-maj=5.1km s-min=4.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=17.8km s-min=5.7km az=139.0.
ISC IV 26 16 18 15.7–1.1 36.71N–.02 26.60E–.02 18–4 82 0-3
ISK IV 26 16 18 14.9 36.69N 26.61E 11 3.0 ¶13568428
ATH IV 26 16 18 14.9 36.72N 26.63E 31–0 3.1
CSEM IV 26 16 18 15.5–.13 36.68N 26.60E 15 3.0L
ISCJB IV 26 16 18 15.0–.57 36.67N–.03 26.60E–.02 10–4 3.0L
THE IV 26 16 18 16.1 36.75N 26.70E 24–4 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=162.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=1.9.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=0.6km az=111.0.
ISC IV 28 02 33 53.6–.79 36.20N–.02 27.51E–.02 23–6 3.9b 468 0-116
ATH IV 28 02 33 51.6 36.29N 27.47E 18–1 4.0L,3.9 ¶13439150
DDA IV 28 02 33 51.1 36.17N 27.51E 12 3.8L,3.9
ISCJB IV 28 02 33 52.3–.36 36.12N–.01 27.53E–.01 28–3 3.8b,3.9
THE IV 28 02 33 53.8 36.24N 27.53E 11–0 3.7L,3.9
ISK IV 28 02 33 53.3 36.26N 27.43E 22 3.8L,3.9
IDC IV 28 02 33 53.3–3.1 36.20N 27.50E 21–19 3.8,3.8
CSEM IV 28 02 33 53.5–.07 36.16N 27.53E 20 3.7L,3.6W
NIC IV 28 02 33 56.8–.20 35.99N 27.67E 55 4.4b,4.0L
HLW IV 28 02 33 57.0 35.98N 27.75E 33–36 4.0,3.7L
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
DDA Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=26.7.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=82.0.
IDC Error ellipse: s-maj=16.3km s-min=14.3km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=33.0.
NIC Moment Tensor Solution. $M_0 2.30000 \times 10^{14}$
ISC IV 28 13 05 30.2–.95 36.52N–.03 25.49E–.08 12–6 28 0-2
ISCJB IV 28 13 05 29.9–.68 36.52N–.04 25.6E–.10 9–8 ¶14191373
ATH IV 28 13 05 29.0 36.65N 25.46E 66–13
CSEM IV 28 13 05 29.8–.10 36.51N 25.51E 8 2.9L
THE IV 28 13 05 30.0 36.54N 25.51E 6–2 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=5.6km az=15.9.
ATH Error ellipse: s-maj=5.6km s-min=4.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.4km az=94.0.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.4km az=277.0.
CSEM IV 28 19 23 44.2–.30 36.92N 27.29E 10 2.6
ISK IV 28 19 23 43.7 36.93N 27.27E 7 2.6 ¶13568478
DDA IV 28 19 23 43.8 36.90N 27.31E 7 2.8
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=61.0.
DDA Event type ke.
ISC IV 28 20 12 58.4–1.3 36.15N–.04 27.49E–.03 9–10 34 1-2
ISK IV 28 20 12 57.4 36.12N 27.49E 10 2.9 ¶13568480
ISCJB IV 28 20 12 58.5–1.2 36.15N–.04 27.52E–.05 10–8 2.9
CSEM IV 28 20 12 58.6–.24 36.15N 27.51E 10 2.8
ATH IV 28 20 12 59.2 36.23N 27.58E 20–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=6.6km az=163.9.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=35.0.
ATH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
ISC IV 30 11 28 28.9–1.1 36.19N–.02 27.53E–.02 18–5 62 0-2
ISK IV 30 11 28 28.0 36.22N 27.63E 5 3.0 ¶13568523
ATH IV 30 11 28 28.0 36.23N 27.55E 30–1 3.1
DDA IV 30 11 28 29.0 36.18N 27.59E 8 3.5L
CSEM IV 30 11 28 28.2–.26 36.17N 27.45E 2 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.8km az=135.0.
ISC V 03 08 20 31.4–1.2 36.92N–.05 28.16E–.05 12–11 26 0-1
ISK V 03 08 20 31.2 37.10N 28.30E 27 2.4 ¶13839214
DDA V 03 08 20 32.9 36.97N 28.21E 5 2.7
CSEM V 03 08 20 32.8–.39 36.98N 28.25E 10 2.4
ISCJB V 03 08 20 32.9–.75 36.99N–.04 28.18E–.05 4–8 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 04 00 08 46.0–1.2 36.88N–.03 26.57E–.02 18–4 47 1-3
CSEM V 04 00 08 45.6–.24 36.84N 26.54E 10 3.3 ¶13839236
ISK V 04 00 08 45.3 36.87N 26.57E 5 3.0
DDA V 04 00 08 45.2 36.89N 26.63E 18 2.9
ISCJB V 04 00 08 45.3–.67 36.83N–.03 26.56E–.03 8–6 2.9
ATH V 04 00 08 46.4 36.71N 26.50E 14 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.6km az=171.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=173.3.
ATH Error ellipse: s-maj=28.9km s-min=10.6km az=-1.0.
ISC V 04 01 45 34.4–.93 36.21N–.03 27.58E–.03 25–12 43 0-2
ISK V 04 01 45 30.6 36.08N 27.56E 10 2.6 ¶13839240
ATH V 04 01 45 33.6 36.21N 27.57E 34–3 3.1
DDA V 04 01 45 33.9 36.24N 27.61E 7 2.9
ISCJB V 04 01 45 33.9–.85 36.17N–.03 27.48E–.05 15–9 2.9
CSEM V 04 01 45 34.1–.33 36.20N 27.59E 25–3 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.2km az=27.9.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=6.0km az=147.0.
ISC V 04 05 47 39.5–1.0 36.85N–.02 26.58E–.02 10–8 3.9b 210 1-58
DDA V 04 05 47 35.3 36.81N 26.46E 5 3.7 ¶13678317
CSEM V 04 05 47 38.9–.12 36.85N 26.56E 10 3.8L
ISK V 04 05 47 38.7 36.96N 26.56E 12 3.6L
IDC V 04 05 47 38.2–1.3 36.92N 26.34E 0 3.9b,3.7
ISCJB V 04 05 47 38.1–.53 36.89N–.02 26.55E–.02 9–4 3.8b,3.7
THE V 04 05 47 39.8 36.85N 26.59E 18–1 3.8L,3.7
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=163.0.
IDC Error ellipse: s-maj=40.1km s-min=21.5km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=163.6.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=84.0.
ISC V 05 01 23 08.1–1.1 36.89N–.03 26.58E–.03 11–11 42 1-3
ISK V 05 01 23 07.6 36.90N 26.58E 10 2.8 ¶13839263
CSEM V 05 01 23 07.8–.27 36.93N 26.59E 2 3.2
ATH V 05 01 23 08.2 36.89N 26.61E 12–2 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.6km az=8.0.
ATH Error ellipse: s-maj=1.3km s-min=1.3km az=-1.0.
ISC V 06 13 51 15.6–1.1 36.70N–.04 26.66E–.02 18–9 52 0-3
CSEM V 06 13 51 15.5–.15 36.65N 26.61E 15 3.2L ¶13839311
ISK V 06 13 51 15.3 36.68N 26.64E 11 2.6
ISCJB V 06 13 51 15.4–.63 36.67N–.04 26.59E–.04 12–6 2.6
ATH V 06 13 51 16.0 36.71N 26.61E 39 3.2
DDA V 06 13 51 16.1 36.77N 26.68E 5 2.8
THE V 06 13 51 16.1 36.83N 26.77E 45–6 3.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.7km az=160.8.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=7.3km s-min=1.0km az=50.0.
ATH V 07 22 33 37.4 36.09N 27.24E 39–9 3.2
CSEM V 07 22 33 37.4 36.09N 27.24E 39 3.2 ¶14695029
ATH Error ellipse: s-maj=7.4km s-min=6.4km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 08 16 11 28.6–1.0 36.97N–.02 28.24E–.02 4–9 107 0-4
ATH V 08 16 11 27.5 37.08N 28.25E 23–4 3.5 ¶13839411
ISK V 08 16 11 28.6 36.98N 28.25E 7 3.3
DDA V 08 16 11 28.7 37.00N 28.23E 7 3.1
CSEM V 08 16 11 28.8–.12 36.96N 28.25E 5 3.3
ISCJB V 08 16 11 28.4–.42 36.96N–.02 28.23E–.02 5–3 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 10 05 13 33.9–.83 35.80N–.03 27.69E–.03 10–9 91 1-5
DDA V 10 05 13 33.4 35.80N 27.66E 7 3.4 ¶13839470
ATH V 10 05 13 35.3 35.83N 27.69E 24–0 3.2
CSEM V 10 05 13 35.9–.13 35.83N 27.70E 10 3.2
ISCJB V 10 05 13 35.7–1.1 35.83N–.04 27.70E–.04 14–7 3.2
ISK V 10 05 13 36.0 35.85N 27.67E 20 3.4
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.0km az=142.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.1km az=140.6.
ISC V 10 23 17 29.3–.89 36.48N–.03 27.98E–.02 58–7 197 0-8
DDA V 10 23 17 27.9 36.46N 27.93E 11 3.6 ¶13839510
ISK V 10 23 17 27.9 36.52N 27.96E 76 3.5
ISCJB V 10 23 17 28.7–.33 36.50N–.02 27.96E–.02 67–5 3.5
ATH V 10 23 17 28.1 36.50N 27.98E 66–0 3.1L

CSEM V 10 23 17 29.3–.13 36.46N 28.04E 60 3.1L
NSSC V 10 23 17 30.5–1.6 36.09N 28.85E 282–131 2.4L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=147.8.
ATH Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=167.0.
NSSC Error ellipse: s-maj=31.1km s-min=62.4km az=-1.0.
ISC V 11 01 25 13.2–1.1 35.18N–.06 27.80E–.05 28 52 1-5
CSEM V 11 01 25 09.3–.52 34.92N 28.05E 2 3.7 ¶13839519
ISCJB V 11 01 25 13.2–.79 35.11N–.06 27.94E–.06 28 3.7
ISK V 11 01 25 14.4 35.31N 28.14E 12 3.7
ATH V 11 01 25 17.2 35.89N 27.14E 20–4 3.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.4km s-min=5.0km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.1km az=152.7.
ATH Error ellipse: s-maj=3.2km s-min=3.0km az=-1.0.
ISC V 13 02 22 08.7–1.7 35.28N–.06 27.85E–.05 13–11 53 1-3
ISK V 13 02 22 03.2 34.91N 27.67E 10 2.8L ¶13839622
CSEM V 13 02 22 08.7–.56 35.32N 27.82E 2 3.4
ATH V 13 02 22 09.9 35.34N 27.69E 13–1 3.4
DDA V 13 02 22 25.7 36.52N 28.89E 7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.7km s-min=6.1km az=152.0.
ATH Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
DDA Event type ke.
ATH V 13 02 50 12.5 36.02N 27.30E 27–5 3.1
CSEM V 13 02 50 12.5 36.02N 27.30E 27 3.1 ¶14695172
ATH Error ellipse: s-maj=5.6km s-min=5.1km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 14 09 13 41.9–.31 36.03N–.03 27.04E–.02 115–2 4.8b 1502 0-118
BJI V 14 09 13 35.7 36.00N 26.30E 107 5.1b,4.9b ¶12824902
HLW V 14 09 13 36.7 36.20N 27.25E 33–19 4.7,4.4L
NSSC V 14 09 13 37.4–1.2 36.10N 27.33E 0–168 4.5L,4.4L
DJA V 14 09 13 37.3–3.5 36N–14 27E–20 54–24 5.8b,5.3
PDG V 14 09 13 38.6–.80 35.95N 27.14E 148–5 5.0L,5.3
ISCJB V 14 09 13 39.9–.11 35.96N–.01 27.06E–.01 116–1 4.8b,5.3
ISK V 14 09 13 39.5 35.87N 26.98E 89 4.8L,5.3
CSEM V 14 09 13 40.9–.06 35.95N 27.07E 116–0 4.7b,4.4W
MOS V 14 09 13 41.9–.94 36.09N 26.94E 129 5.0b,4.4W
GCMT V 14 09 13 41.3–.40 35.82N 26.95E 120–4 4.8W,4.4W
IDC V 14 09 13 42.3–.62 36.22N 27.01E 114–4 4.6,4.5
NEIC V 14 09 13 42.4 36.09N 27.00E 96 5.1b,4.5
ATH V 14 09 13 42.4 36.09N 27.00E 96–1 4.7L,4.5
DDA V 14 09 13 42.6 36.15N 27.17E 35 4.7L,4.5
THE V 14 09 13 44.6 36.02N 26.97E 96–2 4.8L,4.5
NIC V 14 09 13 44.6–.20 36.16N 27.50E 37 4.9b,4.6L
BGS V 14 09 13 50.3–2.2 38.17N 26.25E 33 4.7b,4.6L
ISC Event type ke.
NSSC Error ellipse: s-maj=43.1km s-min=303.1km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=2.0km s-min=2.5km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=21.9.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=26.0.
MOS Error ellipse: s-maj=5.2km s-min=2.6km az=115.9.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s20,c21; s70,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.64±.10 $M_{\theta\theta}$0.26±.13; $M_{\phi\phi}$1.38±.14; $M_{r\theta}$0.94±.08; $M_{\theta\phi}$1.19±.12; $M_{r\theta}$0.83±.09; Best double couple: NP1:ϕ_s18.00000°,δ30.00000°,λ-112.00000°. NP2:ϕ_s223.00000°,δ62.00000°,λ-78.00000°. Principal axes: T 2.4900,Plg16.0000° ,Azm304.0000°; N -0.4300,Plg11.0000°,Azm38.0000°; P -2.0600,Plg70.0000° ,Azm160.0000° $M_0$2.30000×10^{16}
IDC Error ellipse: s-maj=9.6km s-min=8.4km az=136.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=132.0.
NIC Moment Tensor Solution. $M_0$6.60000×10^{14}
BGS Error ellipse: s-maj=201.4km s-min=176.8km az=-1.0.
ISC V 14 18 34 21.0–1.1 36.44N–.03 28.30E–.02 61–6 179 0-9
HLW V 14 18 34 13.6 36.67N 28.18E 32–26 3.7,3.5L ¶13839692
ATH V 14 18 34 20.1 36.48N 28.32E 65–2 3.7,3.5L
DDA V 14 18 34 20.2 36.40N 28.33E 63 3.4,3.5L
ISK V 14 18 34 20.4 36.35N 28.22E 29 3.6L,3.5L
ISCJB V 14 18 34 21.2–.34 36.45N–.02 28.28E–.02 63–5 3.6L,3.5L
CSEM V 14 18 34 21.2–.14 36.35N 28.35E 60 2.7L,3.5L
THE V 14 18 34 22.4 36.48N 28.34E 49–2 2.7L,3.5L
ISC Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=1.1km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=153.8.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=144.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.7km az=201.0.
CSEM V 14 22 51 06.3–.41 36.75N 27.59E 15 2.8
ISK V 14 22 51 06.4 36.80N 27.64E 15 2.8 ¶13839697
DDA V 14 22 51 06.5 36.76N 27.63E 7 2.7
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.2km az=4.0.
DDA Event type ke.
ISC V 15 22 22 43.8–1.3 36.95N–.04 28.19E–.04 6–14 24 0-1
ISK V 15 22 22 43.4 36.96N 28.17E 5 2.4 ¶13839732
DDA V 15 22 22 44.3 36.99N 28.16E 7 2.5
CSEM V 15 22 22 44.2–.25 36.96N 28.15E 2 2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.7km az=35.0.
ISC V 16 03 30 11.7–1.5 36.16N–.03 27.59E–.03 22–5 45 0-2
ATH V 16 03 30 10.8 36.20N 27.74E 35–7 3.3 ¶13839740
DDA V 16 03 30 10.9 36.24N 27.52E 7 2.9
CSEM V 16 03 30 11.0–.24 36.16N 27.59E 5 3.3
ISK V 16 03 30 12.1 36.26N 27.58E 23 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=4.6km s-min=4.1km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=163.0.
ISC V 16 08 37 49.0–1.4 36.86N–.06 27.61E–.04 8–14 23 0-2
ISCJB V 16 08 37 49.6–1.1 36.90N–.06 27.59E–.05 8–7 ¶13839749
ISK V 16 08 37 49.3 36.93N 27.57E 13 2.5
DDA V 16 08 37 49.4 36.88N 27.65E 7 2.8
CSEM V 16 08 37 49.7–.56 36.89N 27.59E 5 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.6km az=13.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=7.1km az=23.0.
ISC V 16 21 56 24.2–2.1 36.1N–.10 27.07E–.07 110–18 19 1-2
ISCJB V 16 21 56 24.4–1.5 36.1N–.10 27.08E–.10 104–16 ¶14695285
CSEM V 16 21 56 25.0 36.33N 26.84E 40 2.9
ATH V 16 21 56 25.0 36.33N 26.84E 40–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.7km s-min=7.2km az=152.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=1.3km s-min=0.7km az=-1.0.
ISC V 16 22 54 09.5–1.1 36.18N–.04 27.73E–.03 14–10 48 0-3
ATH V 16 22 54 08.8 36.17N 27.73E 25–3 3.3 ¶13839782
ISK V 16 22 54 09.2 36.17N 27.78E 12 3.0
CSEM V 16 22 54 09.1–.22 36.13N 27.70E 10 3.3
DDA V 16 22 54 18.2 36.45N 27.84E 3 3.1,3.1L
ISC Event type ke.
ATH Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.8km az=147.0.
DDA Event type ke.
ISC V 17 01 25 43.7–1.0 36.98N–.02 28.24E–.02 3–9 131 0-5
ISCJB V 17 01 25 43.0–.50 36.97N–.02 28.23E–.03 4–4 ¶13839788
ISK V 17 01 25 43.2 36.99N 28.24E 11 3.4
DDA V 17 01 25 43.6 36.99N 28.21E 29 3.5L
CSEM V 17 01 25 43.4–.12 36.99N 28.22E 2 3.4
ATH V 17 01 25 44.5 36.99N 28.17E 20–2 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=138.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=39.0.
ATH Error ellipse: s-maj=1.6km s-min=1.7km az=-1.0.
ISC V 17 01 57 49.0–1.1 36.98N–.04 28.26E–.03 4–14 27 0-1
ISK V 17 01 57 47.5 37.11N 28.31E 25 2.5 ¶13839792
ISCJB V 17 01 57 48.7–.68 36.96N–.04 28.28E–.05 1–14 2.5
DDA V 17 01 57 48.8 36.98N 28.26E 7 2.6
CSEM V 17 01 57 48.9–.25 36.96N 28.27E 2 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.8km az=36.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.9km az=39.0.
ISC V 17 16 23 45.6–1.2 36.97N–.04 28.26E–.03 3–16 22 0-1
ISK V 17 16 23 44.2 37.11N 28.32E 24 2.3 ¶13839814
DDA V 17 16 23 46.0 37.00N 28.23E 7 2.8
CSEM V 17 16 23 45.8–.28 36.97N 28.27E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=29.0.
ISC V 17 18 34 17.5–4.4 35.00N–.04 27.55E–.03 35–13 107 1-8
HLW V 17 18 34 14.7 35.21N 27.58E 33–30 3.2L,0.0 ¶13839817
ISK V 17 18 34 17.8 35.04N 27.60E 33 3.5,0.0
ATH V 17 18 34 17.2 35.17N 27.51E 61–2 3.5,0.0
CSEM V 17 18 34 17.5–.15 35.00N 27.54E 30 3.5,0.0
DDA V 17 18 34 19.3 35.16N 27.65E 21 3.5,0.0
ISC Event type ke.
ATH Error ellipse: s-maj=2.3km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=20.0.
DDA Event type ke.
ISC V 17 18 55 37.8–.97 36.99N–.03 28.26E–.03 12–7 33 0-2
ISK V 17 18 55 36.5 37.04N 28.25E 24 2.6 ¶13839820
ISCJB V 17 18 55 37.4–.63 36.96N–.04 28.24E–.04 3–7 2.6
CSEM V 17 18 55 37.8–.26 36.95N 28.23E 2 2.6
DDA V 17 18 55 39.0 36.97N 28.20E 5 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.1km az=30.6.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=29.0.
DDA Event type ke.
ISC V 18 00 47 35.3–1.0 36.50N–.03 27.01E–.03 10–8 55 0-2
DDA V 18 00 47 31.0 36.37N 26.81E 14 2.9 ¶13839833
ISCJB V 18 00 47 33.6–1.1 36.46N–.03 27.03E–.04 1–7 2.9
CSEM V 18 00 47 33.8–.22 36.43N 27.00E 2 3.3
ATH V 18 00 47 34.2 36.52N 27.04E 22–1 3.3
ISK V 18 00 47 35.6 36.56N 27.06E 8 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.1km az=137.1.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=135.0.
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
ISC V 18 00 55 42.0–.83 36.48N–.02 27.06E–.02 13–6 103 0-3
DDA V 18 00 55 40.7 36.46N 27.04E 11 3.1 ¶13839834
ISCJB V 18 00 55 41.0–.65 36.46N–.02 27.06E–.02 3–5 3.1
CSEM V 18 00 55 41.6–.12 36.49N 27.02E 8 3.3
ATH V 18 00 55 41.1 36.51N 27.04E 20–1 3.3
THE V 18 00 55 41.6 36.47N 27.08E 0–1 2.5L
ISK V 18 00 55 43.1 36.58N 27.10E 14 3.0
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=142.1.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=145.0.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=129.0.
ISC V 20 01 06 51.4–.00 36.32N–.03 27.93E–.02 20–3 55 0-3
ISK V 20 01 06 50.9 36.41N 27.99E 11 2.9 ¶13839898
CSEM V 20 01 06 51.1–.24 36.37N 27.90E 5 3.0
ATH V 20 01 06 51.2 36.29N 27.93E 19–0 3.0
DDA V 20 01 06 52.6 36.47N 28.04E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=137.0.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
DDA Event type ke.
ISC V 21 01 11 44.7–.71 37.99N–.02 26.73E–.02 14–7 128 0-4
ATH V 21 01 11 45.4 37.98N 26.74E 26–3 3.6 ¶13839917
DDA V 21 01 11 45.8 37.96N 26.74E 16 3.4
CSEM V 21 01 11 45.7–.16 37.94N 26.66E 2 3.4
ISCJB V 21 01 11 45.3–.51 37.95N–.02 26.65E–.03 4–3 3.4
ISK V 21 01 11 46.3 37.95N 26.81E 7 3.3
THE V 21 01 11 48.5 38.04N 26.60E 13–1 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=2.2km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=143.4.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=0.6km az=248.0.
ISC V 21 22 00 30.3–1.5 35.06N–.06 27.26E–.04 16–11 41 0-4
DDA V 21 22 00 23.8 34.58N 26.86E 20 3.4 ¶14695384
ISCJB V 21 22 00 29.6–1.9 35.06N–.07 27.28E–.05 12–15 3.4
ATH V 21 22 00 30.6 35.08N 27.18E 21–1 3.2
CSEM V 21 22 00 31.4–.43 35.13N 27.23E 15 3.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=5.6km az=160.3.
ATH Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.3km s-min=6.0km az=160.0.
ISC V 21 22 20 09.2–.84 36.40N–.03 28.49E–.03 65–6 3.4b 160 0-41
IDC V 21 22 20 01.9–1.5 36.58N 28.31E 0 3.9L,3.6 ¶12895832
DDA V 21 22 20 08.7 36.48N 28.44E 42 3.3,3.6
ISK V 21 22 20 08.6 36.40N 28.45E 64 3.6,3.6
ISCJB V 21 22 20 08.4–.23 36.37N–.02 28.49E–.02 74–4 3.3b,3.6
CSEM V 21 22 20 09.9–.10 36.40N 28.45E 60 3.0W,3.6
ATH V 21 22 20 11.0 36.50N 28.21E 55–3 3.3,3.6
NIC V 21 22 20 13.7–.10 36.39N 28.86E 81 3.4L,3.0W
HLW V 21 22 20 17.0 35.69N 28.60E 32–36 3.4L,0.0
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=21.3km az=141.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=155.8.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=138.0.
ATH Error ellipse: s-maj=2.5km s-min=3.9km az=-1.0.
NIC Moment Tensor Solution. $M_0$2.30000×10^{13}
ISC V 22 07 16 43.8–1.4 37.75N–.03 26.96E–.06 7–11 34 0-2
ISCJB V 22 07 16 44.0–.99 37.74N–.03 26.97E–.07 0–8 ¶13839958
ISK V 22 07 16 43.7 37.76N 27.00E 4 2.8
DDA V 22 07 16 43.3 37.71N 26.97E 7 2.8
CSEM V 22 07 16 44.6–.34 37.75N 27.01E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=4.5km az=160.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=3.5km az=72.0.
ISC V 22 09 51 44.6–1.4 37.74N–.03 26.98E–.07 18–6 22 0-1
ISCJB V 22 09 51 43.5–1.4 37.73N–.04 26.9E–.10 14–8 ¶13839963
ISK V 22 09 51 44.1 37.75N 27.03E 15 2.5
DDA V 22 09 51 44.3 37.73N 26.93E 5 2.8
CSEM V 22 09 51 44.3–.25 37.74N 26.97E 12 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=5.4km az=168.2.

DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=2.3km az=77.0.
ISC V 23 11 19 07.9–.73 36.64N–.04 26.95E–.03 146–6 3.7b 146 1-75
ISCJB V 23 11 19 07.7–.28 36.58N–.03 26.90E–.03 155–4 3.6b **¶13679464**
IDC V 23 11 19 07.5–2.6 36.70N 26.86E 133–32 3.8s,3.8
CSEM V 23 11 19 08.5–.19 36.60N 26.93E 147–3 3.2,3.8
ATH V 23 11 19 09.4 36.79N 26.65E 21–2 3.5,3.8
HLW V 23 11 19 10.4 36.45N 27.29E 33–40 3.9L,0.0
ISK V 23 11 19 10.8 36.79N 26.93E 125 3.2,0.0
THE V 23 11 19 12.5 36.69N 26.56E 1–3 3.3L,0.0
DDA V 23 11 19 34.0 37.10N 28.67E 5 3.0,0.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=168.3.
IDC Error ellipse: s-maj=24.1km s-min=17.8km az=105.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=167.0.
ATH Error ellipse: s-maj=2.0km s-min=1.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.0km s-min=1.2km az=74.0.
DDA Event type ke.
ISC V 23 23 46 31.5–.88 36.44N–.02 28.44E–.02 22–8 94 0-4
ATH V 23 23 46 30.5 36.53N 28.33E 28–1 3.3 **¶13840005**
DDA V 23 23 46 30.4 36.43N 28.41E 37 3.1
ISCJB V 23 23 46 31.7–.47 36.45N–.03 28.39E–.03 24–4 3.1
ISK V 23 23 46 31.3 36.47N 28.38E 20 3.0
CSEM V 23 23 46 31.8–.14 36.45N 28.41E 20 3.3
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=141.2.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=144.0.
ISC V 24 01 42 35.2–1.4 37.65N–.04 26.88E–.04 31–15 26 1-3
ISCJB V 24 01 42 32.4–1.6 37.62N–.05 26.91E–.06 15–17 **¶14695889**
DDA V 24 01 42 33.1 37.66N 27.06E 14 2.8
CSEM V 24 01 42 34.0–.53 37.64N 26.92E 15 3.2
ATH V 24 01 42 38.9 38.00N 25.99E 15–7 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.1km az=39.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.7km s-min=11.3km az=156.0.
ATH Error ellipse: s-maj=3.5km s-min=11.8km az=-1.0.
ISC V 24 11 11 13.1–1.1 36.96N–.04 28.24E–.03 6–8 36 0-2
ISK V 24 11 11 13.3 36.98N 28.25E 4 2.6 **¶13840017**
DDA V 24 11 11 14.0 36.97N 28.19E 8 2.7
CSEM V 24 11 11 13.7–.27 36.95N 28.25E 2 2.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=31.0.
ISC V 24 13 32 14.3–.92 36.51N–.02 28.67E–.02 25–8 3.5b 195 0-41
ATH V 24 13 32 13.5 36.51N 28.63E 29–1 3.6 **¶13679549**
DDA V 24 13 32 13.4 36.47N 28.59E 32 3.5L
ISK V 24 13 32 13.8 36.59N 28.69E 22 3.6
CSEM V 24 13 32 14.4–.12 36.51N 28.69E 20 3.6
THE V 24 13 32 14.6 36.47N 28.68E 5–3 3.6L
ISCJB V 24 13 32 14.1–.43 36.48N–.02 28.67E–.02 26–4 3.4b
IDC V 24 13 32 16.3–3.5 36.30N 28.79E 56–40 3.5,3.5
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=158.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=134.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=154.9.
IDC Error ellipse: s-maj=28.5km s-min=17.3km az=103.0.
ISC V 24 23 54 44.8–1.5 36.39N–.05 28.61E–.03 3–11 50 0-2
ISK V 24 23 54 44.0 36.39N 28.64E 5 2.9 **¶13840030**
CSEM V 24 23 54 45.7–.70 36.39N 28.64E 12 2.9
DDA V 24 23 54 46.1 36.42N 28.52E 5 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.6km s-min=8.6km az=21.0.
DDA Event type ke.
ISC V 26 06 10 11.6–1.1 37.69N–.03 26.94E–.04 14–9 35 0-2
ISK V 26 06 10 10.7 37.73N 26.99E 10 2.6 **¶13840067**
ISCJB V 26 06 10 11.2–.74 37.69N–.03 26.93E–.05 7–5 2.6
CSEM V 26 06 10 11.5–.27 37.70N 26.95E 10 3.1
DDA V 26 06 10 12.4 37.77N 27.00E 4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.3km az=150.6.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.2km az=60.0.
DDA Event type ke.
ISC V 26 08 01 00.3–1.1 37.73N–.03 26.98E–.05 13–8 36 0-3
ISCJB V 26 08 00 59.8–1.0 37.70N–.04 26.96E–.06 4–5 **¶13840068**
ISK V 26 08 00 59.7 37.76N 27.06E 10 2.8
DDA V 26 08 01 00.6 37.76N 27.00E 5 3.1
CSEM V 26 08 01 00.5–.32 37.72N 27.00E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.7km az=153.1.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=5.3km az=64.0.
ISC V 27 08 04 19.6–1.0 36.25N–.05 27.53E–.05 74–20 59 1-9
HLW V 27 08 04 18.2 36.39N 27.44E 32–34 3.5L,0.0 **¶13840086**
ISCJB V 27 08 04 19.2–.68 36.24N–.06 27.36E–.08 90–16 3.5L,0.0
CSEM V 27 08 04 20.7–.27 36.27N 27.39E 80 3.0,0.0
ISK V 27 08 04 23.6 36.48N 27.57E 68 3.0,0.0
DDA V 27 08 04 25.7 36.72N 27.44E 8 3.1,0.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=9.6km az=43.6.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=4.3km az=93.0.
DDA Event type ke.
ISC V 28 04 27 00.2–1.7 36.28N–.07 26.95E–.05 7–13 19 1-2
CSEM V 28 04 27 00.7–.88 36.23N 26.91E 2–7 3.0 **¶14696728**
ATH V 28 04 27 02.2 36.15N 27.08E 36–17 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.1km s-min=8.1km az=143.0.
ATH Error ellipse: s-maj=6.0km s-min=16.2km az=-1.0.
ATH V 30 02 55 15.7 36.50N 26.76E 39–7 3.0
CSEM V 30 02 55 15.7 36.50N 26.76E 39 3.0 **¶14696891**
ATH Error ellipse: s-maj=1.7km s-min=1.1km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 30 07 14 53.7–1.2 36.60N–.03 28.16E–.03 23–13 51 0-2
ISK V 30 07 14 51.8 36.48N 28.12E 19 2.7 **¶13840153**
ATH V 30 07 14 53.5 36.48N 28.21E 59–1 2.8
DDA V 30 07 14 53.2 36.59N 28.12E 50 2.8
CSEM V 30 07 14 54.3–.24 36.58N 28.16E 48–5 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.7km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.8km az=133.0.
ATH V 31 09 36 12.8 35.77N 27.76E 5 2.9
¶14696948
ISC VI 01 00 16 30.6–1.3 35.14N–.04 27.75E–.03 9–9 120 1-42
DDA VI 01 00 16 23 34.61N 27.47E 27 3.5 **¶13680067**
IDC VI 01 00 16 28.5–1.7 34.88N 27.83E 0 3.2,3.2
ISCJB VI 01 00 16 29.9–.89 35.14N–.04 27.76E–.03 3–6 3.2b,3.2
ISK VI 01 00 16 29.8 34.90N 27.78E 53 3.7,3.2
CSEM VI 01 00 16 30.7–.21 35.10N 27.79E 5 2.8L,3.2
ATH VI 01 00 16 34.7 35.36N 27.55E 30–0 3.7,3.2
THE VI 01 00 16 34.8 35.35N 27.54E 0–0 2.8L,3.2
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=170.8km s-min=23.9km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.2km az=162.2.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=2.6km az=161.0.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=149.0.
ISC VI 02 14 50 53.4–1.1 35.95N–.04 27.55E–.05 17–10 27 1-2
ATH VI 02 14 50 53.7 36.02N 27.49E 9–2 3.3 **¶13840254**
CSEM VI 02 14 51 00.5–.89 36.26N 28.03E 10 2.9
DDA VI 02 14 51 00.7 36.25N 27.52E 11 3.0
ISK VI 02 14 51 01.5 36.32N 28.05E 22 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0.
CSEM Event type ke.
DDA Event type ke.
ISC VI 02 22 33 06.4–1.2 36.58N–.03 28.01E–.03 14–10 58 0-3
DDA VI 02 22 33 04.8 36.61N 28.01E 7 3.2 **¶13840260**
CSEM VI 02 22 33 05.5–.47 36.42N 27.99E 15 3.2
ISK VI 02 22 33 06.9 36.45N 27.99E 37 2.9
ATH VI 02 22 33 08.2 36.62N 27.83E 40–5 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=4.7km az=24.0.
ATH Error ellipse: s-maj=2.2km s-min=6.2km az=-1.0.
ISC VI 03 03 54 57.8–1.2 37.74N–.03 26.93E–.04 7–12 34 0-2
ISK VI 03 03 54 56.8 37.75N 26.94E 4 2.8 **¶13840271**
ISCJB VI 03 03 54 57.5–.79 37.74N–.03 26.94E–.06 2–8 2.8
CSEM VI 03 03 54 57.8–.17 37.73N 26.96E 5 2.8
DDA VI 03 03 54 58.5 37.81N 27.04E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.5km az=160.5.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.7km az=74.0.
DDA Event type ke.
ISC VI 06 00 45 37.1–.68 36.41N–.04 26.60E–.03 126–6 3.6b 229 1-42
ATH VI 06 00 45 35.8 36.47N 26.57E 140–1 3.0L **¶13680645**
HLW VI 06 00 45 35.9 36.50N 26.90E 30–13 4.2L,4.1
ISCJB VI 06 00 45 36.2–.21 36.38N–.02 26.59E–.02 134–3 3.5b,4.1
ISK VI 06 00 45 37.5 36.47N 26.58E 121 3.2L,4.1
CSEM VI 06 00 45 37.1–.09 36.39N 26.59E 126–1 3.0L,4.1
IDC VI 06 00 45 38.4–3.9 35.25N 27.72E 132–37 3.3b,3.2
THE VI 06 00 45 39.3 36.45N 26.56E 130–2 3.4L,3.2
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=4.8.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=23.0.
IDC Error ellipse: s-maj=154.6km s-min=18.0km az=143.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=130.0.
ISC VI 06 03 35 40.9–.53 36.62N–.03 26.89E–.03 130–4 3.5b 246 0-43
HLW VI 06 03 35 34.9 37.04N 27.07E 32–9 3.8,3.8L **¶13680654**
IDC VI 06 03 35 39.7–2.5 36.75N 26.87E 124–30 3.6,3.6
ISCJB VI 06 03 35 40.0–.19 36.57N–.02 26.95E–.02 144–3 3.7b,3.6
CSEM VI 06 03 35 40.8–.09 36.60N 26.96E 139–1 3.0L,3.6
ATH VI 06 03 35 41.2 36.67N 26.88E 129–2 3.0L,3.6
DDA VI 06 03 35 41.5 36.40N 27.04E 38 3.7L,3.6
THE VI 06 03 35 46.2 36.68N 26.66E 33–8 3.8L,3.6
ISK VI 06 03 35 46.5 37.05N 26.88E 74 3.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=16.6km az=139.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=11.3.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=22.0.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=8.2km s-min=0.7km az=102.0.
ISC VI 06 19 53 07.5–1.1 37.96N–.04 26.92E–.04 8–11 30 0-2
ISK VI 06 19 53 05.2 38.71N 26.52E 28 2.7 **¶13840377**
DDA VI 06 19 53 07.1 37.91N 26.87E 12 3.1
CSEM VI 06 19 53 07.9–.31 37.92N 26.93E 2 3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.9km az=65.0.
ISC VI 07 01 32 50.3–1.4 37.95N–.03 26.90E–.04 3–15 32 0-2
ISK VI 07 01 32 49.8 37.98N 26.84E 6 2.7 **¶13840383**
ISCJB VI 07 01 32 51.7–.68 37.99N–.03 26.97E–.07 11–6 2.7
CSEM VI 07 01 32 51.6–.34 37.97N 26.94E 12 2.8
DDA VI 07 01 32 52.2 38.03N 27.05E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=4.8km az=155.5.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.3km az=65.0.
DDA Event type ke.
ISC VI 07 14 41 07.8–1.4 35.22N–.04 27.85E–.03 3–12 51 1-4
ISK VI 07 14 41 06.8 34.92N 27.76E 30 3.8 **¶13840408**
CSEM VI 07 14 41 08.3–.43 35.19N 27.87E 2 3.4
ATH VI 07 14 41 09.8 35.27N 27.79E 20–2 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=6.2km az=170.0.
ATH Error ellipse: s-maj=2.9km s-min=2.3km az=-1.0.
ISC VI 11 03 36 41.2–.90 36.98N–.05 28.32E–.03 13–7 24 0-1
ISCJB VI 11 03 36 41.8–.73 36.98N–.04 28.30E–.05 7–13 **¶13840529**
ISK VI 11 03 36 41.5 37.00N 28.29E 13 2.2
DDA VI 11 03 36 41.2 36.89N 28.01E 7 2.6
CSEM VI 11 03 36 42.1–.23 36.98N 28.30E 2 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=39.5.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=33.0.
ISC VI 11 17 46 21.3–1.0 36.95N–.02 26.77E–.02 18–7 99 0-4
ATH VI 11 17 46 20.6 36.97N 26.77E 35–1 3.1 **¶13840558**
ISK VI 11 17 46 21.0 36.99N 26.75E 5 3.1
ISCJB VI 11 17 46 21.1–.58 36.97N–.02 26.73E–.03 13–4 3.1
DDA VI 11 17 46 21.0 36.97N 26.83E 5 3.1
CSEM VI 11 17 46 21.3–.14 36.98N 26.71E 12 3.1
THE VI 11 17 46 22.0 37.02N 26.78E 13–2 2.7L
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=147.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=164.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=82.0.
ISC VI 12 03 17 13.0–1.1 37.71N–.02 26.84E–.02 7–9 196 0-6
ISK VI 12 03 17 12.5 37.72N 26.85E 5 3.5 **¶13840563**
ATH VI 12 03 17 13.8 37.76N 26.95E 36–3 3.4
ISCJB VI 12 03 17 13.3–.43 37.73N–.02 26.85E–.03 8–3 3.4
CSEM VI 12 03 17 13.3–.09 37.71N 26.82E 5 3.7L
THE VI 12 03 17 14.7 37.73N 26.87E 11–0 3.7L
DDA VI 12 03 17 14.3 37.76N 26.94E 8 3.8L,3.6
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=166.6.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=78.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=76.0.
DDA Event type ke.
ISC VI 12 16 09 15.9–1.2 36.48N–.05 28.68E–.03 17–8 47 0-2
ISK VI 12 16 09 15.2 36.46N 28.67E 5 2.8 **¶13840591**
CSEM VI 12 16 09 15.5–.34 36.45N 28.67E 12 2.9
ISCJB VI 12 16 09 16.7–.77 36.48N–.05 28.69E–.04 23–7 2.9
DDA VI 12 16 09 16.3 36.56N 28.70E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=3.9km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.8km az=17.1.
DDA Event type ke.
ISC VI 14 18 04 12.3–2.1 35.99N–.08 27.09E–.07 4–10 3.2b 51 1-42
IDC VI 14 18 04 07.1–1.6 35.87N 26.89E 0 3.5L,3.4 **¶13681375**
ISK VI 14 18 04 15.3 36.12N 27.19E 7 3.5,3.4
CSEM VI 14 18 04 15.1–.79 36.06N 27.18E 2 3.5,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=42.1km s-min=27.5km az=159.0.

CSEM Event type ke. Error ellipse: s-maj=17.0km s-min=7.1km az=50.0.
ISC VI 14 20 01 39.8–.00 36.87N–.02 27.48E–.02 5–9 76 0-4
ATH VI 14 20 01 38.8 36.70N 27.16E 54–10 3.0 ¶13840651
DDA VI 14 20 01 39.8 36.94N 27.53E 4 3.1
ISK VI 14 20 01 39.0 36.86N 27.49E 5 3.0
CSEM VI 14 20 01 40.0–.24 36.87N 27.48E 2 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=10.4km s-min=10.6km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=54.0.
ISC VI 14 20 18 43.3–1.8 36.79N–.09 27.51E–.07 16–9 22 0-2
ISCJB VI 14 20 18 45.0–1.8 36.86N–.08 27.52E–.06 6–14 ¶13840652
CSEM VI 14 20 18 45.1–.61 36.85N 27.52E 2 2.4
ISK VI 14 20 18 45.1 36.92N 27.51E 12 2.4
DDA VI 14 20 18 45.9 36.88N 27.52E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=7.2km az=11.6.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=4.8km az=12.0.
DDA Event type ke.
ISC VI 14 22 06 15.5–1.0 36.95N–.04 28.22E–.03 11–6 28 0-1
ISK VI 14 22 06 16.1 36.99N 28.28E 16 2.6 ¶13840653
CSEM VI 14 22 06 16.8–.21 36.94N 28.26E 2 2.6
DDA VI 14 22 06 17.3 36.98N 28.23E 7 2.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.9km az=27.0.
DDA Event type ke.
ISC VI 15 06 47 38.5–.98 36.53N–.02 28.54E–.02 32–9 74 0-3
ATH VI 15 06 47 37.7 36.50N 28.58E 39–2 2.8 ¶13840657
ISK VI 15 06 47 37.6 36.46N 28.51E 24 2.9
ISCJB VI 15 06 47 38.9–.43 36.52N–.03 28.56E–.03 32–3 2.9
CSEM VI 15 06 47 38.9–.16 36.50N 28.56E 30 3.1
DDA VI 15 06 47 38.1 36.57N 28.50E 41 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.5km az=149.6.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=170.0.
DDA Event type ke.
ISC VI 18 06 23 26.4–1.3 36.26N–.04 27.39E–.03 87–8 60 0-3
DDA VI 18 06 23 19.1 36.04N 27.19E 8 3.1 ¶13840881
ISCJB VI 18 06 23 26.1–.62 36.25N–.05 27.39E–.04 86–8 3.1
ATH VI 18 06 23 26.0 36.30N 27.32E 79–3 3.1
ISK VI 18 06 23 26.9 36.33N 27.45E 84 2.8
CSEM VI 18 06 23 27.0–.08 36.27N 27.38E 80 2.8
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.2km az=147.2.
ATH Error ellipse: s-maj=4.7km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=1.8km az=143.0.
ISC VI 18 20 53 55.7–2.4 35.18N–.10 27.89E–.06 0–17 26 1-3
ISCJB VI 18 20 53 56.0–1.9 35.1N–.10 27.84E–.10 8–15 ¶14697372
CSEM VI 18 20 53 56.2–.83 35.11N 27.80E 10 3.2
DDA VI 18 20 54 01.6 35.22N 28.02E 59 3.2
ATH VI 18 20 54 03.0 35.81N 27.24E 10 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.2km s-min=13.3km az=173.3.
CSEM Event type ke. Error ellipse: s-maj=21.6km s-min=8.7km az=164.0.
DDA Event type ke.
ISC VI 18 22 23 38.0–1.2 35.13N–.03 27.92E–.03 12–8 3.8b,3.1s 154 1-65
IDC VI 18 22 23 35.7–1.0 35.08N 27.81E 0 3.7b,3.6 ¶13681621
ISCJB VI 18 22 23 37.8–.71 35.07N–.03 27.93E–.02 21–6 3.6b,3.2s
CSEM VI 18 22 23 37.4–.11 35.11N 27.91E 2 3.6,3.2s
ISK VI 18 22 23 38.6 35.04N 27.91E 36 3.8L,3.2s
HLW VI 18 22 23 38.9 35.22N 27.95E 33–13 3.6,3.3L
THE VI 18 22 23 39.0 35.27N 27.91E 0–0 3.6L,3.3L
ATH VI 18 22 23 43.6 35.92N 27.19E 11–2 3.6,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=17.3km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=4.1.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=13.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=137.0.
ATH Error ellipse: s-maj=2.0km s-min=1.5km az=-1.0.
ISC VI 19 21 42 52.8–.99 37.56N–.02 26.76E–.02 6–8 264 0-6
ATH VI 19 21 42 51.4 37.60N 26.80E 22–0 3.5L ¶13840968
ISCJB VI 19 21 42 51.6–.53 37.55N–.02 26.73E–.02 6–4 3.5L
ISK VI 19 21 42 51.8 37.57N 26.71E 13 3.7
DDA VI 19 21 42 52.5 37.59N 26.81E 2 3.7L
CSEM VI 19 21 42 52.3–.07 37.55N 26.74E 5 3.5L
THE VI 19 21 42 52.4 37.56N 26.78E 0–0 3.6L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=18.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=169.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=260.0.
ISC VI 20 00 27 31.4–.95 36.07N–.02 27.56E–.02 17–7 175 0-42
ATH VI 20 00 27 30.3 36.13N 27.49E 18–3 3.8 ¶15742127
DDA VI 20 00 27 30.8 36.17N 27.49E 14 3.2
ISK VI 20 00 27 31.4 36.11N 27.65E 7 3.7
CSEM VI 20 00 27 31.3–.13 36.07N 27.53E 10 2.9L
THE VI 20 00 27 31.1 36.10N 27.54E 3–1 2.9L
ISCJB VI 20 00 27 31.4–.50 36.03N–.02 27.54E–.02 21–5 3.3b
IDC VI 20 00 27 36.4–4.0 36.78N 26.93E 63–44 3.6L,3.2
NSSC VI 20 00 27 38.6–16 36.29N 28.21E 0–999 2.7L,2.2
ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=147.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=128.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=150.1.
IDC Error ellipse: s-maj=70.6km s-min=22.6km az=147.0.
NSSC Error ellipse: s-maj=749.5km s-min=999.9km az=-1.0.
DDA VI 20 02 48 17.9 37.63N 26.86E 7 2.5
¶15137569
DDA Event type ke.
ISC VI 20 08 28 21.0–.33 37.65N–.02 26.88E–.02 12–1 4.7b,4.4s 1291 0-125
NSSC VI 20 08 28 13.0–2.4 37.39N 26.07E 29–999 4.7b,4.4s ¶13201587
BJI VI 20 08 28 15.6 37.45N 26.25E 17 5.2b,4.9s
HLW VI 20 08 28 15.1 38.22N 26.83E 23–14 4.6,4.5L
ISCJB VI 20 08 28 18.8–.31 37.63N–.01 26.94E–.01 8–2 4.7b,4.5s
IDC VI 20 08 28 18.7–.44 37.61N 26.89E 0 4.4,4.4
ISK VI 20 08 28 18.6 37.65N 26.75E 11 4.9L,4.4
SZGRF VI 20 08 28 18.5 37.63N 27.51E 10 4.4b,4.4
NEIC VI 20 08 28 19.0 37.68N 26.86E 12 5.0L,4.8b
ATH VI 20 08 28 19.0 37.68N 26.86E 12–0 4.8L,4.2
CSEM VI 20 08 28 19.4–.06 37.61N 26.93E 2 5.1W,4.8b
THE VI 20 08 28 20.1 37.66N 26.84E 3–1 5.2L,4.8b
BEO VI 20 08 28 20.9–1.2 37.65N 27.22E 20–2 5.0L,4.8b
DDA VI 20 08 28 20.2 37.65N 26.88E 3 4.7,4.8b
PDA VI 20 08 28 22.4 37.60N 27.00E 17 4.8b,4.8b
TEH VI 20 08 28 22.0 37.67N 27.07E 10 5.3L,4.8b
MOS VI 20 08 28 23.2–1.3 37.81N 27.00E 33 5.0b,4.5s
GCMT VI 20 08 28 23.9–.20 37.58N 26.96E 12 5.1W,4.5s
PDG VI 20 08 28 27.2–.36 38.14N 26.79E 27–4 4.4L,4.5s
ISC Event type fe.
NSSC Error ellipse: s-maj=234.2km s-min=903.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=24.9.
IDC Error ellipse: s-maj=10.8km s-min=10.4km az=5.0.
SZGRF Turkey.
NEIC Event type fe. Felt on Samos. Also felt at Izmir, Turkey. After ATH.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=32.0.

THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=42.0.
BEO Event type ke.
DDA Event type ke.
MOS Error ellipse: s-maj=4.4km s-min=2.7km az=112.5.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s35,c46; s84,c138; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.97±.10 $M_{\theta\theta}$4.65±.09; $M_{\phi\phi}$0.32±.09; $M_{r\theta}$1.53±.31; $M_{\theta\phi}$-1.23±.08; $M_{\phi r}$-0.41±.43; Best double couple: NP1:ϕ_s105.00000°,δ36.00000°,λ-90.00000°. NP2:ϕ_D285.00000°,δ54.00000°,λ-90.00000°. Principal axes: T 5.2200,Plg9.0000° ,Azm15.0000°; N -0.0100,Plg0.0000°,Azm105.0000°; P -5.2200,Plg81.0000°,Azm195.0000° M_o5.20000×10^{16}
PDG Event type ke. Error ellipse: s-maj=3.4km s-min=4.6km az=0.0.
ISC VI 20 10 16 29.0–.81 37.67N–.02 26.82E–.02 7–4 120 0-4
ISK VI 20 10 16 28.2 37.68N 26.83E 5 3.4 ¶13841034
CSEM VI 20 10 16 28.8–.20 37.63N 26.78E 2 3.1L
ISCJB VI 20 10 16 29.0–.51 37.67N–.02 26.83E–.03 2–4 3.1L
THE VI 20 10 16 29.4 37.70N 26.81E 5–0 3.1L
ATH VI 20 10 16 29.0 37.66N 26.78E 5–4 3.3
DDA VI 20 10 16 29.6 37.71N 26.90E 5 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=152.8.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=80.0.
ATH Error ellipse: s-maj=0.8km s-min=1.5km az=-1.0.
DDA Event type ke.
ISC VI 20 20 49 28.9–.81 37.64N–.02 26.86E–.02 12–5 107 0-4
ATH VI 20 20 49 27.1 37.65N 26.96E 19–2 3.1 ¶13841042
ISK VI 20 20 49 27.6 37.65N 26.83E 3 3.4
ISCJB VI 20 20 49 28.7–.49 37.65N–.02 26.85E–.03 9–3 3.4
CSEM VI 20 20 49 28.7–.17 37.63N 26.81E 8 2.9L
DDA VI 20 20 49 29.4 37.67N 26.92E 7 3.2
THE VI 20 20 49 29.3 37.75N 26.93E 6–1 2.9L
ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=151.5.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=60.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=261.0.
ISC VI 20 20 50 45.8–.83 36.03N–.03 27.37E–.03 19 45 1-3
ISK VI 20 20 50 45.8 36.05N 27.35E 5 3.2 ¶13841043
ATH VI 20 20 50 45.5 35.60N 27.62E 43–3 3.4
CSEM VI 20 20 50 46.1–.19 36.02N 27.24E 5 3.4
ISCJB VI 20 20 50 47.1–.45 36.00N–.04 27.25E–.05 19 3.4
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VI 20 21 02 56.8–.92 37.66N–.03 26.94E–.05 12 24 0-1
ISCJB VI 20 21 02 56.6–.68 37.65N–.03 26.93E–.06 12 ¶13841045
CSEM VI 20 21 02 56.8–.14 37.66N 26.96E 15 2.5
ISK VI 20 21 02 56.0 37.66N 26.91E 9 2.5
DDA VI 20 21 02 57.7 37.70N 26.96E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.3km az=161.5.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.2km az=72.0.
DDA Event type ke.
ISC VI 21 09 35 32.3–1.3 37.70N–.03 26.89E–.03 14–11 36 0-2
ISCJB VI 21 09 35 32.2–.71 37.70N–.03 26.88E–.05 13–5 ¶13841138
ISK VI 21 09 35 32.0 37.71N 26.89E 18 2.8
DDA VI 21 09 35 32.2 37.69N 26.89E 7 2.9
CSEM VI 21 09 35 32.3–.14 37.71N 26.90E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.9km az=160.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=68.0.
ISC VI 21 10 27 05.3–1.1 37.66N–.03 26.93E–.04 14–7 30 0-2
ISK VI 21 10 27 04.9 37.66N 26.92E 14 2.7 ¶13841141
ISCJB VI 21 10 27 05.0–.85 37.65N–.03 26.89E–.07 10–8 2.7
DDA VI 21 10 27 05.3 37.67N 26.89E 7 2.9
CSEM VI 21 10 27 05.4–.22 37.66N 26.94E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.0km az=163.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.4km az=73.0.
CSEM VI 21 13 22 51.4–.24 37.66N 26.89E 15 2.6
ISK VI 21 13 22 50.9 37.66N 26.90E 11 2.6 ¶13841151
DDA VI 21 13 22 51.5 37.68N 26.91E 7 2.5
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=81.0.
DDA Event type ke.
ISC VI 21 14 58 49.8–.88 37.63N–.02 26.88E–.02 7–6 50 0-3
ISK VI 21 14 58 48.9 37.65N 26.88E 8 3.1 ¶13841154
ISCJB VI 21 14 58 49.4–.45 37.65N–.03 26.89E–.04 7–4 3.1
CSEM VI 21 14 58 49.5–.11 37.64N 26.86E 8 3.0
ATH VI 21 14 58 50.5 37.65N 26.79E 5 3.0
DDA VI 21 14 58 50.5 37.70N 26.94E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=141.9.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=66.0.
ATH Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.
DDA Event type ke.
DDA VI 21 22 49 48.8 37.52N 26.74E 7 3.3
¶15137572
DDA Event type ke.
ISC VI 22 16 18 47.9–1.0 37.62N–.02 26.85E–.03 4–9 100 0-4
ATH VI 22 16 18 46.8 37.62N 26.92E 5–1 3.1 ¶13841218
DDA VI 22 16 18 48.6 37.71N 26.93E 7 3.3L
ISK VI 22 16 18 49.0 37.48N 26.81E 4 3.5L
CSEM VI 22 16 18 50.2–.24 37.43N 26.77E 10 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.5km az=57.0.
ISC VI 22 18 38 06.2–1.1 37.71N–.03 26.94E–.04 18–5 34 0-2
ISCJB VI 22 18 38 05.9–.85 37.70N–.03 26.91E–.06 9–6 ¶13841220
DDA VI 22 18 38 05.7 37.68N 26.89E 7 2.8
ISK VI 22 18 38 05.8 37.71N 26.99E 7 2.7
CSEM VI 22 18 38 06.4–.19 37.71N 26.95E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.8km az=166.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=80.0.
ISC VI 23 13 20 60.0–.90 36.81N–.02 27.89E–.02 13–7 85 0-3
ISCJB VI 23 13 20 59.8–.42 36.81N–.02 27.92E–.02 7–4 ¶13841282
ISK VI 23 13 20 59.4 36.83N 27.91E 10 3.0
THE VI 23 13 20 59.9 36.79N 27.95E 7–2 3.3L
DDA VI 23 13 20 59.3 36.83N 27.90E 7 3.2
CSEM VI 23 13 20 59.9–.14 36.80N 27.90E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=4.1.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=198.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=6.0.
ISC VI 24 09 16 46.8–.98 36.79N–.02 27.88E–.02 8–9 73 0-3
ISK VI 24 09 16 45.3 36.80N 27.91E 5 3.0 ¶13841355
DDA VI 24 09 16 46.3 36.79N 27.84E 7 3.0
ATH VI 24 09 16 46.4 36.76N 27.77E 17–4 3.1
CSEM VI 24 09 16 46.6–.17 36.79N 27.89E 5 3.0
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=2.8km s-min=4.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=21.0.
ISC VI 24 11 31 42.2–1.1 37.68N–.03 26.87E–.04 11–8 38 0-2
ISK VI 24 11 31 41.7 37.68N 26.83E 8 2.7 ¶13841359

ISCJB VI 24 11 31 42.2–.80 37.69N–.03 26.87E–.05 9–5 2.7
CSEM VI 24 11 31 42.2–.28 37.68N 26.85E 8 2.9
DDA VI 24 11 31 43.4 37.77N 26.98E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.9km az=164.8.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=71.0.
DDA Event type ke.
ISC VI 25 05 47 00.9–.82 37.69N–.02 26.87E–.02 10–5 54 0-2
ATH VI 25 05 47 00.4 37.62N 26.89E 5 2.8 **¶13841456**
ISCJB VI 25 05 47 01.7–.46 37.70N–.03 26.87E–.03 7–3 2.8
DDA VI 25 05 47 01.5 37.70N 26.91E 7 2.8
ISK VI 25 05 47 01.3 37.72N 26.85E 5 2.6
CSEM VI 25 05 47 01.8–.19 37.70N 26.85E 8 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=3.0km s-min=9.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=137.7.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=57.0.
ISC VI 25 11 29 27.0–.94 37.65N–.02 26.85E–.02 7–6 54 0-3
ISK VI 25 11 29 25.8 37.67N 26.93E 2 2.8 **¶13841472**
ISCJB VI 25 11 29 26.4–.48 37.65N–.03 26.87E–.03 6–4 2.8
CSEM VI 25 11 29 26.3–.16 37.64N 26.85E 5 2.8
ATH VI 25 11 29 27.7 37.69N 26.75E 5 2.8
DDA VI 25 11 29 29.2 37.75N 26.96E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=136.3.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=56.0.
ATH Error ellipse: s-maj=2.5km s-min=3.3km az=-1.0.
DDA Event type ke.
ISC VI 25 12 31 16.2–.82 37.67N–.02 26.88E–.03 9–5 52 0-2
ISK VI 25 12 31 15.8 37.68N 26.85E 10 2.8 **¶13841473**
ISCJB VI 25 12 31 16.7–.43 37.68N–.03 26.87E–.03 7–4 2.8
CSEM VI 25 12 31 16.6–.13 37.67N 26.85E 10 2.9
DDA VI 25 12 31 16.2 37.66N 26.83E 6 2.8
ATH VI 25 12 31 17.1 37.65N 26.84E 5–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=140.3.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=62.0.
DDA Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC VI 25 20 24 32.7–1.2 37.68N–.04 26.95E–.05 15–12 30 0-2
ISCJB VI 25 20 24 32.1–.93 37.64N–.04 26.89E–.07 12–6 **¶13841486**
ISK VI 25 20 24 32.3 37.68N 26.97E 18 2.7
CSEM VI 25 20 24 32.5–.20 37.66N 26.92E 15 2.8
DDA VI 25 20 24 33 37.69N 26.94E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.0km az=155.7.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.3km az=64.0.
DDA Event type ke.
ISC VI 25 20 40 56.2–1.1 37.66N–.03 26.90E–.04 15–11 30 0-2
DDA VI 25 20 40 56.7 37.70N 26.93E 7 2.8 **¶13841487**
ISK VI 25 20 40 56.0 37.67N 26.95E 18 2.7
CSEM VI 25 20 40 56.0–.21 37.64N 26.84E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=64.0.
DDA VI 26 00 40 56.3 37.71N 26.93E 7 2.8
¶15137729
DDA Event type ke.
ISC VI 26 10 18 20.1–1.8 35.06N–.07 27.57E–.06 12–12 39 1-4
ISCJB VI 26 10 18 20.4–1.4 35.08N–.07 27.52E–.06 9–8 **¶13841557**
ISK VI 26 10 18 20.4 35.20N 27.66E 5 3.3
CSEM VI 26 10 18 21.0–.48 35.08N 27.53E 10 3.1
ATH VI 26 10 18 24.4 35.40N 27.27E 47–1 3.1
DDA VI 26 10 18 31.3 35.55N 27.94E 30 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=7.3km az=164.7.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=5.9km az=172.0.
ATH Error ellipse: s-maj=3.2km s-min=2.4km az=-1.0.
DDA Event type ke.
ISC VI 26 19 04 24.9–.60 36.50N–.02 25.48E–.02 17–3 4.0b 421 0-66
DDA VI 26 19 04 16.4 36.43N 24.98E 5 3.6 **¶13306845**
ISK VI 26 19 04 20.3 36.39N 25.34E 14 3.7L
ATH VI 26 19 04 22.8 36.52N 25.48E 23–0 3.9L
CSEM VI 26 19 04 23.7–.08 36.49N 25.49E 10 4.0b
ISCJB VI 26 19 04 23.4–.51 36.54N–.01 25.47E–.02 14–3 3.9b
THE VI 26 19 04 23.9 36.55N 25.40E 6–1 3.8L
PDA VI 26 19 04 24.9 36.50N 25.50E 15 3.9L
IDC VI 26 19 04 27.2–6.1 36.57N 25.36E 33–49 3.8,3.8b
BEO VI 26 19 04 41.3 36.96N 25.37E 310 3.8,3.8b
SZGRF VI 26 19 04 44.1 37.36N 23.10E 33 3.8,3.8b
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=15.4.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=280.0.
IDC Error ellipse: s-maj=21.2km s-min=17.4km az=150.0.
BEO Event type ke.
SZGRF Southern Greece.
ISC VI 26 20 10 28.9–.67 36.51N–.02 25.50E–.02 12–4 3.9b 406 0-118
ISK VI 26 20 10 24.9 36.41N 25.28E 13 3.7L **¶13306853**
IDC VI 26 20 10 26.7–.77 36.45N 25.55E 0 3.9,3.9b
ATH VI 26 20 10 27.9 36.52N 25.50E 25–0 3.7L,3.9b
CSEM VI 26 20 10 28.6–.09 36.49N 25.49E 10 3.5L,2.6s
ISCJB VI 26 20 10 28.2–.39 36.54N–.01 25.49E–.02 14–2 3.8b,2.6s
THE VI 26 20 10 29.1 36.52N 25.52E 6–1 3.5L,2.6s
DDA VI 26 20 10 48.6 37.13N 25.71E 5 4.0,2.6s
ISC Event type ke.
IDC Error ellipse: s-maj=19.5km s-min=16.1km az=1.0.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=42.7.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=259.0.
DDA Event type ke.
ISC VI 26 20 37 37.9–.43 36.51N–.02 25.47E–.02 14–2 4.9b,4.0s 1465 0-128
BEO VI 26 20 36 58.6–.96 33.73N 26.83E 0 4.9L,4.0s **¶13584568**
DDA VI 26 20 37 28.5 36.35N 25.03E 3 5.3L,4.0s
HLW VI 26 20 37 34.4 36.93N 25.58E 26–10 4.1L,4.1
ISK VI 26 20 37 35.9 36.56N 25.22E 26 4.9L,4.1
BJI VI 26 20 37 35.7 36.44N 24.76E 36 5.0b,4.8b
BGS VI 26 20 37 35.1–1.8 36.05N 25.03E 10 5.0b,4.8b
IDC VI 26 20 37 35.7–.43 36.58N 25.51E 0 4.7,4.7b
ISCJB VI 26 20 37 37.5–.28 36.54N–.01 25.46E–.01 22–2 4.8b,4.0s
PDG VI 26 20 37 37.3–.68 36.53N 25.48E 16–1 4.6L,4.0s
ATH VI 26 20 37 37.5 36.53N 25.49E 28–1 5.0L,3.9
CSEM VI 26 20 37 37.5–.07 36.47N 25.53E 15 5.0b,3.6s
THE VI 26 20 37 38.1 36.53N 25.43E 10–0 4.9L,3.6s
NEIC VI 26 20 37 38.1 36.53N 25.43E 10 4.9b,4.9L
MOS VI 26 20 37 39.2–.99 36.58N 25.41E 33 5.0b,4.9L
PDA VI 26 20 37 40.9 36.57N 25.40E 37 4.8b,4.9L
SFS VI 26 20 37 40.0 36.57N 25.39E 37 4.8L,4.9L
NIC VI 26 20 37 40.3–.20 36.00N 25.42E 36 4.5b,4.0L
SZGRF VI 26 20 37 58.0 37.68N 23.74E 33 4.5b,4.0L
ISC Event type fe.
BEO Event type ke.
DDA Event type ke.
BGS Error ellipse: s-maj=120.1km s-min=123.7km az=-1.0.
IDC Error ellipse: s-maj=11.3km s-min=10.7km az=160.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=17.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=33.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=211.0.
NEIC Event type fe. Felt [IV] at Thira and [III] at Naxos and Oia. Also felt at Aiyira, Ano Siros, Chania, Ios, Naousa, Paros, Skala and Vari. After THE.
MOS Error ellipse: s-maj=4.3km s-min=2.4km az=110.5.
SFS Event type ke.
NIC Moment Tensor Solution. $M_0 8.20000\times10^{14}$
SZGRF Southern Greece.
ISC VI 26 20 48 14.9–.83 36.53N–.02 25.54E–.03 9–6 3.5b 131 0-43
ISCJB VI 26 20 48 14.4–.44 36.56N–.02 25.52E–.03 12–3 3.3b **¶13682086**
ATH VI 26 20 48 14.8 36.55N 25.47E 28–2 3.1
IDC VI 26 20 48 14.1–1.4 36.24N 25.65E 0 3.5,3.5b
CSEM VI 26 20 48 14.6–.10 36.52N 25.52E 10 3.4L,3.5b
THE VI 26 20 48 15.0 36.54N 25.54E 6–1 3.4L,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=173.0.
ATH Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
IDC Error ellipse: s-maj=31.2km s-min=24.1km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=75.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=271.0.
ISC VI 26 20 51 05.1–.82 36.53N–.02 25.46E–.02 10–5 3.6b 181 0-43
IDC VI 26 20 51 03.3–1.1 36.37N 25.47E 0 3.7,3.6 **¶13306862**
ISCJB VI 26 20 51 04.3–.40 36.56N–.01 25.46E–.02 10–3 3.6b,3.6
ISK VI 26 20 51 04.3 36.67N 25.24E 48 3.5L,3.6
CSEM VI 26 20 51 04.0–.10 36.53N 25.47E 5 3.4L,3.6
ATH VI 26 20 51 04.2 36.53N 25.44E 26–1 3.2,3.6
THE VI 26 20 51 05.2 36.53N 25.46E 6–1 3.4L,3.6
DDA VI 26 20 51 25.0 37.04N 25.81E 5 3.6,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=17.6km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=0.3.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=82.0.
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=109.0.
DDA Event type ke.
ISC VI 26 21 01 33.4–.84 36.54N–.02 25.50E–.02 9–6 3.4b 226 0-44
ISK VI 26 21 01 30.9 36.61N 25.06E 32 3.5L **¶13682087**
IDC VI 26 21 01 31.5–1.1 36.24N 25.51E 0 3.7,3.6
ISCJB VI 26 21 01 32.3–.48 36.57N–.02 25.49E–.02 7–3 3.3s,3.3b
THE VI 26 21 01 32.6 36.54N 25.54E 1–0 3.4L,3.3b
CSEM VI 26 21 01 32.8–.09 36.53N 25.50E 8 3.4L,3.3b
ATH VI 26 21 01 32.3 36.57N 25.52E 27–1 3.2,3.3b
DDA VI 26 21 01 33.7 36.61N 25.46E 5 3.6,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=17.9km az=177.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=4.6.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=39.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
DDA Event type ke.
THE VI 26 21 44 42.1 36.54N 25.53E 2–1 1.8L
CSEM VI 26 21 44 42.1 36.54N 25.53E 2 1.8L **¶14306600**
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=286.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC VI 26 21 59 19.2–.81 36.53N–.02 25.54E–.02 12–5 167 0-43
ISK VI 26 21 59 16.6 36.47N 25.29E 30 3.1L **¶13682089**
ISCJB VI 26 21 59 18.7–.39 36.55N–.02 25.53E–.02 12–2 3.1b
CSEM VI 26 21 59 18.9–.08 36.52N 25.55E 10 3.1L
IDC VI 26 21 59 18.5–1.5 36.21N 25.70E 0 3.3,3.2
ATH VI 26 21 59 18.9 36.55N 25.49E 28–2 3.1,3.2
THE VI 26 21 59 19.5 36.53N 25.54E 7–0 3.1L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=172.7.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=32.0.
IDC Error ellipse: s-maj=33.7km s-min=26.1km az=153.0.
ATH Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=226.0.
THE VI 26 22 14 08.2 36.55N 25.48E 4–1 2.4L
CSEM VI 26 22 14 08.2 36.55N 25.48E 4 2.4L **¶14286439**
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=273.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC VI 26 22 14 53.4–.59 36.52N–.02 25.50E–.02 13–3 4.7b,3.6s 1477 0-128
NSSC VI 26 22 14 42.4–8.3 38.07N 25.87E 5 3.9L,3.6s **¶14306606**
DDA VI 26 22 14 46.1 36.47N 25.24E 5 4.4,3.6s
ISK VI 26 22 14 51.8 36.51N 25.21E 34 4.5L,3.6s
IDC VI 26 22 14 51.3–.45 36.59N 25.51E 0 4.5,4.5b
ISCJB VI 26 22 14 52.6–.28 36.53N–.01 25.45E–.01 18–2 4.6b,3.7s
ATH VI 26 22 14 52.2 36.55N 25.42E 18–2 4.6L,3.9
BJI VI 26 22 14 52.3 36.74N 24.95E 34 4.9b,4.7s
PDG VI 26 22 14 52.8–.37 36.52N 25.50E 19–0 4.4L,4.7s
THE VI 26 22 14 53.5 36.54N 25.52E 4–1 4.7L,4.7s
CSEM VI 26 22 14 53.6–.07 36.50N 25.48E 15 4.6b,3.9W
NEIC VI 26 22 14 53.5 36.54N 25.52E 4 4.7b,4.7L
MOS VI 26 22 14 54.9–1.0 36.60N 25.42E 33 4.8b,4.7L
PDA VI 26 22 14 57.1 36.53N 25.41E 40 4.6b,4.7L
SFS VI 26 22 14 57.0 36.53N 25.41E 41 4.6L,4.7L
NIC VI 26 22 14 58.8–.40 36.59N 25.95E 25 4.4b,3.9L
BEO VI 26 22 15 02.8 36.53N 25.77E 0 4.4b,3.9L
HLW VI 26 22 15 02.0 35.91N 26.05E 12–13 4.0,3.9L
SZGRF VI 26 22 15 10.1 37.68N 23.74E 33 4.0,3.9L
ISC Event type fe.
NSSC Error ellipse: s-maj=928.1km s-min=627.6km az=-1.0.
DDA Event type ke.
IDC Error ellipse: s-maj=11.8km s-min=11.2km az=143.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=10.7.
ATH Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=243.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=18.0.
NEIC Event type fe. Felt [IV] at Oia and Thira. Also felt at Iraklion, Methoni, Mikonos and Paros. After THE.
MOS Error ellipse: s-maj=4.5km s-min=2.6km az=112.6.
SFS Event type ke.
NIC Moment Tensor Solution. $M_0 5.00000\times10^{14}$
BEO Event type ke.
SZGRF Southern Greece.
ISC VI 26 22 28 48.0–1.0 36.54N–.03 25.38E–.08 11–6 40 0-2
ATH VI 26 22 28 40.5 36.97N 26.67E 45 2.6 **¶14306612**
ISCJB VI 26 22 28 48.2–.68 36.55N–.03 25.4E–.10 10–3 2.6
THE VI 26 22 28 48.6 36.53N 25.40E 6–0 2.4L
CSEM VI 26 22 28 48.6 36.53N 25.40E 6 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=4.6km az=4.1.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC VI 27 00 34 24.1–.94 36.55N–.02 25.50E–.06 10–8 38 0-2
ISCJB VI 27 00 34 23.7–.60 36.59N–.03 25.40E–.09 10–5 **¶14306650**
CSEM VI 27 00 34 23.9–.14 36.54N 25.44E 8 2.4L
ATH VI 27 00 34 24.2 36.55N 25.42E 27–2 2.9
THE VI 27 00 34 24.0 36.57N 25.44E 4–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=4.1km az=8.2.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=2.7km az=99.0.
ATH Error ellipse: s-maj=1.5km s-min=2.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.3km az=277.0.
ISC VI 27 05 29 53.9–1.1 36.53N–.02 25.4E–.10 8–7 34 0-1
ATH VI 27 05 29 53.5 36.54N 25.33E 4 2.7 **¶14306681**
THE VI 27 05 29 53.7 36.54N 25.48E 5–9 2.1L
CSEM VI 27 05 29 53.4–.18 36.53N 25.35E 5 2.1L
ISC Event type ke.

ATH Error ellipse: s-maj=0.4km s-min=1.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=9.6km s-min=0.3km az=245.0.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=2.6km az=96.0.
ISC VI 27 07 53 44.8–.94 36.55N–.02 25.45E–.02 13–7 3.4b 175 0-43
ISK VI 27 07 53 43.4 36.58N 25.14E 32 3.6L **¶13682123**
ATH VI 27 07 53 44.7 36.53N 25.51E 24–1 3.6,3.4L
ISCJB VI 27 07 53 44.8–.43 36.56N–.02 25.47E–.03 12–3 3.3b,2.5s
CSEM VI 27 07 53 44.5–.15 36.54N 25.54E 5 3.6L,2.5s
THE VI 27 07 53 45.7 36.55N 25.48E 5–0 3.6L,2.5s
IDC VI 27 07 53 49.8–4.2 36.40N 25.46E 49–49 3.4,3.4L
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=172.8.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=85.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=198.0.
IDC Error ellipse: s-maj=46.3km s-min=24.8km az=162.0.
ISC VI 27 13 25 52.7–1.2 36.49N–.03 25.63E–.08 10–9 35 0-2
CSEM VI 27 13 25 52.5–.45 36.47N 25.66E 2 2.5L **¶14306702**
THE VI 27 13 25 53.0 36.52N 25.55E 8–1 2.5L
ATH VI 27 13 25 53.4 36.50N 25.57E 5–4 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.7km s-min=5.4km az=87.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.4km az=278.0.
ATH Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0.
ISC VI 29 01 22 22.2–1.3 35.18N–.04 27.75E–.03 2–10 123 1-5
DDA VI 29 01 22 14.7 34.73N 27.21E 5 3.3 **¶13841760**
ISK VI 29 01 22 18.6 34.74N 27.62E 24 3.9L
ATH VI 29 01 22 24.0 35.34N 27.76E 17–5 3.5
CSEM VI 29 01 22 24.5–.31 35.29N 27.76E 2 2.6L
THE VI 29 01 22 27.2 35.49N 27.65E 0–1 2.6L
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=3.5km az=159.0.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=1.2km az=139.0.
ISC VI 29 12 44 08.2–1.8 36.54N–.03 25.49E–.03 8–13 3.6b 84 1-44
IDC VI 29 12 44 07.6–1.4 36.10N 25.42E 0 4.2L,3.9 **¶13682253**
ISCJB VI 29 12 44 08.0–1.0 36.56N–.03 25.48E–.03 11–7 3.4b,2.4s
CSEM VI 29 12 44 08.3 36.55N 25.48E 28 3.5,2.4s
ATH VI 29 12 44 08.3 36.55N 25.48E 28–0 3.7L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=19.8km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=42.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0.
ISC VI 29 23 31 12.9–.96 36.52N–.03 25.34E–.03 13–8 41 0-2
THE VI 29 23 31 11.3 36.51N 25.18E 12–1 2.3L **¶14306829**
ISCJB VI 29 23 31 13.3–.57 36.52N–.03 25.41E–.05 7–4 2.3L
ATH VI 29 23 31 13.1 36.53N 25.38E 19–1 3.2
CSEM VI 29 23 31 13.1–.22 36.48N 25.45E 5 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.6km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.6km az=13.5.
ATH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=5.5km az=108.0.
ISC VI 30 01 01 05.5–1.1 37.59N–.04 26.81E–.03 11–8 24 0-1
ISCJB VI 30 01 01 05.6–.89 37.58N–.05 26.83E–.04 9–6 **¶14306860**
DDA VI 30 01 01 05.0 37.59N 26.80E 7 2.9
CSEM VI 30 01 01 05.1–.22 37.56N 26.80E 5 1.8L
THE VI 30 01 01 06.2 37.62N 26.74E 3–11 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.9km az=7.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=177.0.
THE Event type ke. Error ellipse: s-maj=11.4km s-min=0.9km az=109.0.
ISC VI 30 03 40 55.6–1.0 37.00N–.02 26.57E–.02 17–8 176 1-4
DDA VI 30 03 40 53.3 36.91N 26.54E 3 3.4 **¶13841816**
ATH VI 30 03 40 54.9 37.00N 26.58E 31–0 3.5
ISK VI 30 03 40 55.3 37.00N 26.58E 5 3.4
CSEM VI 30 03 40 55.5–.11 36.97N 26.53E 10 3.4
THE VI 30 03 40 56.8 37.00N 26.62E 19–2 2.5L
ISCJB VI 30 03 40 56.2–.40 36.99N–.02 26.54E–.02 24–4 2.5L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.

(370) Crete.

ISC I 01 22 39 15.0–1.0 34.30N–.04 26.35E–.05 33 26 1-7
CSEM I 01 22 39 13.5–.30 34.23N 26.43E 10 3.5 **¶14357908**
ATH I 01 22 39 14.9 34.39N 26.29E 21–4 3.5
ISCJB I 01 22 39 14.1–.53 34.15N–.04 26.41E–.08 33 3.5
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC I 03 08 55 05.8–1.2 34.75N–.04 24.87E–.02 7–8 3.7b 83 0-60
ISCJB I 03 08 55 02.9–.97 34.61N–.04 24.89E–.03 2–5 3.6b,3.0s **¶12079883**
IDC I 03 08 55 03.8–1.2 34.57N 24.89E 0 4.0L,3.7b
ATH I 03 08 55 05.4 34.73N 24.87E 6–1 3.5,3.7b
THE I 03 08 55 06.1 34.80N 24.83E 0–2 3.1L,3.7b
CSEM I 03 08 55 06.5–.65 34.78N 24.90E 1–0 3.1L,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.1km az=3.0.
IDC Error ellipse: s-maj=29.0km s-min=20.6km az=144.0.
ATH Error ellipse: s-maj=1.4km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.4km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=15.0km s-min=6.0km az=4.0.
ISC I 04 17 05 10.4–.53 34.37N–.04 26.58E–.04 33 3.7b 92 1-81
IDC I 04 17 05 06.8–.97 34.54N 26.51E 0 3.9,3.8L **¶12080246**
ATH I 04 17 05 07.9 34.34N 26.50E 23–4 3.7,3.8L
CSEM I 04 17 05 08.1–.13 34.37N 26.58E 5 3.7,3.8L
ISCJB I 04 17 05 09.0–.24 34.33N–.02 26.60E–.03 33 3.7b,3.8L
HLW I 04 17 05 11.5 34.33N 26.77E 32–19 3.4L,0.0
DDA I 04 17 05 44.9 35.88N 28.90E 33 3.4,0.0
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=16.5km az=2.0.
ATH Error ellipse: s-maj=4.3km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=146.0.
DDA Event type ke.
ISC I 05 00 42 32.4–2.1 35.50N–.09 23.0E–.10 5–13 33 1-3
CSEM I 05 00 42 31.3–.50 35.43N 22.87E 10 3.2L **¶14188723**
ATH I 05 00 42 31.6 35.45N 22.92E 27–2 3.6
THE I 05 00 42 32.5 35.50N 22.92E 0–2 3.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=3.9km az=56.0.
ATH Error ellipse: s-maj=2.1km s-min=3.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=0.8km az=239.0.
ISC I 13 06 12 45.3–.27 35.66N–.03 26.35E–.02 52–2 5.1b,4.5s 1729 1-131
HLW I 13 06 12 39.6 36.10N 26.47E 31–27 5.0L,0.0 **¶13404834**
MOS I 13 06 12 41.9–1.2 35.57N 26.38E 33 5.3b,4.2s
BJI I 13 06 12 41.3 35.48N 25.72E 56 5.4b,5.2b
PDG I 13 06 12 42.8–.59 35.64N 26.43E 30–2 5.0L,5.2b
ISCJB I 13 06 12 42.7–.17 35.60N–.01 26.37E–.01 43–1 5.1b,4.5s
ATH I 13 06 12 42.9 35.66N 26.39E 42–1 5.2L,4.5s
NEIC I 13 06 12 42.9 35.66N 26.39E 42 5.1b,4.5s
ISK I 13 06 12 43.6 35.76N 26.25E 66 5.1L,4.5s
DJA I 13 06 12 44 35.70N 26.51E 20 5.3b,4.5s
CSEM I 13 06 12 44.3–.06 35.56N 26.41E 54 5.1b,4.7W
TEH I 13 06 12 45.0 35.64N 26.35E 46 5.2L,4.7W
IDC I 13 06 12 45.3–1.1 35.83N 26.24E 48–10 4.7b,4.7
NIC I 13 06 12 46.6–.10 35.64N 26.75E 50 5.3b,5.1L
THE I 13 06 12 46.2 35.70N 26.33E 30–13 5.2L,5.1L
DDA I 13 06 12 48.9 36.14N 26.75E 21 4.6L,5.1L
NSSC I 13 06 12 48.6–4.2 36.84N 27.63E 94–999 4.2L,5.1L
SZGRF I 13 06 12 51.6 36.14N 24.74E 33 4.4b,5.1L
BGS I 13 06 13 02.6–2.1 37.92N 25.44E 40 5.0b,5.1L
ISC Event type fe.
MOS Error ellipse: s-maj=4.5km s-min=2.4km az=101.5.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=18.8.
ATH Error ellipse: s-maj=1.0km s-min=0.5km az=-1.0.
NEIC Event type fe. Felt [IV] on Karpathos and at Siteia; [III] at Irakleion. Also felt at Agios Nikolaos, Athens, Epano Arkhanai, Ierapetra, Khersonisos, Kritsa, Malia, Neapolis, Palaikastron and Rodos. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=31.0.
IDC Error ellipse: s-maj=11.5km s-min=7.8km az=135.0.
NIC CRETE, GREECE 36km. N Palaikastron. Moment Tensor Solution. $M_0$2.00000×10^{15}
THE Event type ke. Error ellipse: s-maj=13.1km s-min=1.5km az=135.0.
DDA Event type ke.
NSSC Error ellipse: s-maj=352.1km s-min=262.7km az=-1.0.
SZGRF Southern Greece.
BGS Error ellipse: s-maj=176.7km s-min=103.6km az=-1.0.
ISC I 14 03 34 57.2–.99 35.19N–.06 23.15E–.05 57–9 4.1b 150 1-77
IDC I 14 03 34 49.6–.99 35.16N 23.24E 0 3.9b,3.9 **¶12081245**
CSEM I 14 03 34 53.4–.61 35.15N 23.05E 10 3.6L,3.9
ATH I 14 03 34 54.7 35.24N 23.06E 23–1 3.6L,3.9
ISCJB I 14 03 34 56.0–.69 35.23N–.05 23.15E–.06 67–6 3.8b,3.9
THE I 14 03 34 55.6 35.11N 23.08E 40–31 4.0L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=17.2km az=118.0.
CSEM Event type ke. Error ellipse: s-maj=16.0km s-min=5.1km az=31.0.
ATH Error ellipse: s-maj=2.1km s-min=1.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.0km az=37.8.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=1.1km az=0.0.
ISC I 16 15 40 38.5–.63 35.30N–.03 23.40E–.04 58–6 4.4b 391 1-119
MOS I 16 15 40 34.1–1.4 35.09N 23.53E 33 4.7b **¶13405766**
HLW I 16 15 40 35.9 35.49N 23.37E 33–23 4.1L,0.0
IDC I 16 15 40 35.5–4.5 35.33N 23.53E 29–32 4.0,4.0
NEIC I 16 15 40 36.4–.35 35.26N 23.53E 35 4.7b,4.0
ISCJB I 16 15 40 36.2–.33 35.21N–.02 23.46E–.03 55–3 4.3b,3.5s
ATH I 16 15 40 38.6 35.42N 23.43E 43–2 3.6L,3.5s
CSEM I 16 15 40 38.1–.12 35.24N 23.40E 57–1 4.6b,3.5s
THE I 16 15 40 39.7 35.34N 23.37E 41–10 3.9L,3.5s
ISC Event type ke.
MOS Error ellipse: s-maj=8.8km s-min=5.8km az=85.7.
IDC Error ellipse: s-maj=15.6km s-min=13.6km az=1.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.5km az=207.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.5km az=141.8.
ATH Error ellipse: s-maj=1.3km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=1.9km az=53.0.
THE Event type ke. Error ellipse: s-maj=10.0km s-min=0.8km az=178.0.
ISC I 19 23 02 05.6–.41 34.65N–.03 24.88E–.02 15–2 4.7b,4.6s 1016 0-118
SZGRF I 19 23 01 51.4 34.09N 26.69E 33 4.4b,4.6s **¶15699501**
HLW I 19 23 02 01.0 35.26N 24.76E 33–20 4.5L,0.0
ISCJB I 19 23 02 01.4–.69 34.48N–.02 24.87E–.02 5–4 4.6b,4.6s
IDC I 19 23 02 03.6–.54 34.81N 24.67E 0 4.4b,4.4
CSEM I 19 23 02 04.1–.13 34.60N 24.86E 2 5.0b,4.2W
THE I 19 23 02 04.6 34.73N 24.81E 1–1 4.2L,4.2W
BJI I 19 23 02 05.2 34.92N 24.69E 19 5.3b,5.0s
ATH I 19 23 02 06.4 34.85N 24.86E 13–1 4.2L,5.0s
NEIC I 19 23 02 06.4 34.85N 24.86E 13 4.5b,4.2L
MOS I 19 23 02 06.9–1.4 34.67N 24.86E 36 4.8b,4.2L
NIC I 19 23 02 07.1–.20 34.17N 25.08E 25 4.8b,4.3L
NSSC I 19 23 02 22.8–12 35.05N 26.85E 5–999 3.6L,4.3L
ISC Event type fe.
SZGRF Crete, Greece.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=15.1.
IDC Error ellipse: s-maj=14.9km s-min=11.6km az=145.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=10.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=182.0.
ATH Error ellipse: s-maj=1.7km s-min=0.7km az=-1.0.
NEIC Event type fe. Felt at Irakleion and Palaiokhora. After ATH.
MOS Error ellipse: s-maj=5.2km s-min=2.5km az=94.7.
NIC Moment Tensor Solution. $M_0$5.10000×10^{14}
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC I 26 01 07 28.0–1.9 34.63N–.08 24.90E–.03 3–12 3.6b 42 0-46
IDC I 26 01 07 29.6–1.3 34.53N 24.90E 0 3.7L,3.7b **¶12082337**
CSEM I 26 01 07 30.8 34.78N 24.90E 5 3.5,3.7b
ATH I 26 01 07 30.8 34.78N 24.90E 5 3.5,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=23.7km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=2.9km s-min=1.0km az=-1.0.
HLW I 26 10 18 36.3 35.05N 23.82E 33–19 3.7L,0.0
ISC I 26 10 18 39.3–1.2 34.75N–.05 23.96E–.03 28–9 3.8b,0.0 136 0-78
IDC I 26 10 18 35.0–.90 34.77N 24.03E 0 3.8,3.7b
ATH I 26 10 18 39.1 34.74N 23.88E 30–1 3.6,3.7b
CSEM I 26 10 18 40.1–.23 34.65N 24.01E 30 3.6,3.7b
THE I 26 10 18 43.4 34.96N 24.09E 16–1 3.4L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=17.9km az=144.0.
ATH Error ellipse: s-maj=2.5km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=3.8km az=52.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.2km az=25.0.
ISC I 31 05 43 02.6–1.2 34.77N–.06 25.49E–.03 32–7 3.8b 96 0-78
IDC I 31 05 42 58.0–.89 34.90N 25.35E 0 3.9b,3.9 **¶12082790**
ATH I 31 05 43 02.6 34.75N 25.46E 39–2 3.4,3.9
CSEM I 31 05 43 03.9–.40 34.80N 25.45E 24–2 2.8L,3.9
THE I 31 05 43 05.2 34.87N 25.45E 18–1 2.8L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=16.2km az=144.0.
ATH Error ellipse: s-maj=3.9km s-min=1.5km az=-1.0.
CSEM Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=8.0.
ISC II 01 03 04 45.0–.95 34.07N–.07 26.11E–.07 26 3.4b 27 1-44
ATH II 01 03 04 40.3 33.98N 26.21E 118–9 3.4b **¶12699303**
CSEM II 01 03 04 40.3 33.98N 26.21E 118 3.4b
IDC II 01 03 04 41.8–1.4 34.17N 25.85E 0 3.5,3.5
ISCJB II 01 03 04 43.1–.76 33.94N–.08 26.09E–.09 26 3.3b,3.5
ISC Event type ke.
CSEM Event type ke. After ATH.
ISCJB Event type ke.
ISC II 06 10 36 26.1–.76 35.77N–.03 24.55E–.03 82–6 3.6b 123 0-45
ISCJB II 06 10 36 24.7–.35 35.73N–.03 24.58E–.04 93–4 3.6b **¶12699661**
HLW II 06 10 36 25.2 35.83N 24.77E 33–29 3.9L,0.0
ATH II 06 10 36 26.5 35.86N 24.57E 52–4 3.5,0.0
CSEM II 06 10 36 27.5–.08 35.83N 24.56E 60 3.5,0.0
IDC II 06 10 36 27.9–3.1 35.55N 24.84E 86–32 3.4,3.4b
THE II 06 10 36 28.2 35.85N 24.57E 50–4 3.3L,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=44.4.
ATH Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=45.0.
IDC Error ellipse: s-maj=36.2km s-min=21.6km az=140.0.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=0.5km az=202.0.
ISC II 08 14 15 15.5–2.6 34.06N–.10 23.48E–.06 16–12 3.9b 40 1-61
ATH II 08 14 15 16.3 34.12N 23.50E 23–2 3.6 **¶12699786**
CSEM II 08 14 15 16.3 34.12N 23.50E 23 3.6
IDC II 08 14 15 18.5–1.3 34.58N 24.08E 0 4.1L,3.8
ISC Event type ke.

ATH Error ellipse: s-maj=2.8km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
IDC Error ellipse: s-maj=26.9km s-min=22.1km az=146.0.
ISC II 10 03 45 42.0–1.5 34.90N–.06 25.47E–.03 8–9 3.6b 45 0-59
ISCJB II 10 03 45 41.6–1.8 34.92N–.05 25.51E–.04 11–12 3.5b **¶12699888**
ATH II 10 03 45 41.9 34.90N 25.47E 15–1 3.6L
CSEM II 10 03 45 41.9 34.90N 25.47E 15 3.6L
IDC II 10 03 45 41.3–1.6 33.36N 26.86E 0 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.8km az=175.5.
ATH Error ellipse: s-maj=1.9km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
IDC Error ellipse: s-maj=363.1km s-min=24.8km az=143.0.
ISC II 11 09 27 31.7–.73 34.71N–.03 24.83E–.03 47–7 3.8b 151 0-78
IDC II 11 09 27 26.8–1.0 34.97N 24.78E 0 4.0L,3.9 **¶12699963**
ISK II 11 09 27 29.7 34.87N 25.27E 3 3.5L,3.9
ISCJB II 11 09 27 30.4–.27 34.73N–.02 24.93E–.03 54–4 3.8b,3.4s
CSEM II 11 09 27 31.9–.17 34.73N 24.89E 51–6 3.1,3.4s
HLW II 11 09 27 31.8 34.82N 25.04E 33–17 3.7L,3.5
ATH II 11 09 27 33.3 34.86N 24.77E 42–0 3.1,3.5
THE II 11 09 27 34.9 34.90N 24.79E 28–1 3.5L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=18.9km az=177.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=149.7.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=63.0.
ATH Error ellipse: s-maj=1.2km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=47.0.
ISC II 11 16 21 03.8–.49 34.56N–.03 25.29E–.03 21–2 4.1b 93 1-78
IDC II 11 16 21 00.1–1.1 34.75N 25.22E 0 3.8,3.8b **¶12699983**
CSEM II 11 16 21 03.9–.19 34.56N 25.20E 2 3.4L,3.8b
ATH II 11 16 21 05.3 34.63N 25.20E 26–1 3.2,3.8b
HLW II 11 16 21 06.7 34.57N 25.09E 33–21 3.4L,3.3
THE II 11 16 21 07.6 34.79N 25.22E 4–1 3.4L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=23.8km s-min=20.9km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=61.0.
ATH Error ellipse: s-maj=1.7km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=359.0.
ISC II 14 13 16 20.9–.79 34.04N–.04 23.34E–.04 25–5 4.2b 235 1-81
IDC II 14 13 16 17.6–.98 34.16N 23.35E 0 4.1,4.1b **¶13434622**
ISCJB II 14 13 16 18.5–.82 33.98N–.03 23.29E–.03 22–6 4.1b,4.1b
HLW II 14 13 16 18.1 34.33N 23.24E 33–19 3.5,3.5L
CSEM II 14 13 16 19.1–.24 34.01N 23.35E 10 4.2L,3.5L
ATH II 14 13 16 20.0 34.03N 23.33E 29–5 4.2L,3.5L
THE II 14 13 16 24.5 34.19N 23.36E 88–22 4.0L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=15.3km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=39.7.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=3.6km az=50.0.
ATH Error ellipse: s-maj=5.2km s-min=2.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=22.7km s-min=3.1km az=96.0.
ISC II 14 13 49 58.2–.88 34.80N–.06 25.30E–.03 44–7 3.8b 85 0-78
IDC II 14 13 49 51.9–.98 34.86N 25.28E 0 3.9,3.9b **¶12700665**
ISCJB II 14 13 49 57.8–.57 34.77N–.06 25.36E–.04 60–4 3.8b,3.9b
ATH II 14 13 49 57.9 34.71N 25.27E 36–2 2.9,3.9b
CSEM II 14 13 49 58.9–.28 34.73N 25.30E 30 2.9,3.9b
THE II 14 13 50 00.4 34.80N 25.28E 22–2 3.2L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=15.5km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.8km az=176.5.
ATH Error ellipse: s-maj=1.9km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.0km az=174.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.0km az=356.0.
ISC II 14 13 50 39.4–1.2 34.63N–.09 25.41E–.07 54–10 3.7b,3.0s 45 0-85
IDC II 14 13 50 33.6–1.2 34.99N 25.10E 0 4.1L,3.8 **¶12700666**
ISCJB II 14 13 50 39.1–.72 34.65N–.06 25.63E–.06 50–6 3.7b,3.4s
ATH II 14 13 50 39.5 34.67N 25.24E 22–8 2.9,3.4s
CSEM II 14 13 50 39.2–1.1 34.59N 25.49E 20 2.9,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=19.3km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.4km az=34.6.
ATH Error ellipse: s-maj=2.4km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=29.1km s-min=8.9km az=64.0.
ISC II 14 13 59 53.7–1.2 34.6N–.10 25.31E–.06 39–8 3.6b 16 0-60
IDC II 14 13 59 48.4–1.4 34.86N 25.20E 0 3.5,3.5 **¶12700667**
CSEM II 14 13 59 52.6 34.54N 25.27E 26 3.4,3.5
ATH II 14 13 59 52.6 34.54N 25.27E 26–1 3.4,3.5
ISCJB II 14 13 59 53.6–1.2 34.6N–.10 25.28E–.06 55–10 3.5b,3.5s
ISC Event type ke.
CSEM Event type ke. After ATH.
ISCJB Event type ke.
IDC II 15 15 31 48.4–14 34.65N 23.99E 0 3.8,3.8b
¶16335072
IDC Error ellipse: s-maj=287.0km s-min=44.1km az=31.0.
ISC II 16 01 14 23.1–1.1 34.43N–.08 25.61E–.04 58–15 78 1-104
ISCJB II 16 01 14 21.3–.53 34.34N–.07 25.67E–.05 70–12 **¶14189550**
THE II 16 01 14 22.1 34.40N 25.63E 0–0 3.5L
CSEM II 16 01 14 23.1–.19 34.36N 25.67E 40 3.5L
ATH II 16 01 14 24.6 34.64N 25.58E 68–2 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=4.9km az=19.6.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=184.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=2.9km az=34.0.
ATH Error ellipse: s-maj=3.0km s-min=0.8km az=-1.0.
ISC II 17 19 08 16.8–.82 34.49N–.04 23.74E–.03 33–2 3.9b 256 0-63
IDC II 17 19 08 12.4–.90 34.57N 23.67E 0 3.9b,3.8 **¶12701045**
HLW II 17 19 08 15.3 34.77N 23.93E 23–20 3.6L,3.4
NEIC II 17 19 08 16.8–1.2 34.51N 23.75E 32–8 4.1b,3.4
ATH II 17 19 08 16.5 34.49N 23.62E 36–3 3.4L,3.4
CSEM II 17 19 08 17.1–.19 34.46N 23.75E 30 4.1b,3.4
THE II 17 19 08 21.2 34.76N 23.79E 21–2 3.5L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=17.6km az=126.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=8.0km az=219.0.
ATH Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=52.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=67.0.
ISC II 18 00 22 56.0–1.6 34.08N–.08 23.46E–.05 40–17 4.1b 95 1-47
IDC II 18 00 22 51.0–1.2 34.15N 23.28E 0 4.0b,3.9 **¶12701071**
ATH II 18 00 22 54.4 34.05N 23.36E 37–3 3.7,3.9
ISCJB II 18 00 22 55.3–.91 34.06N–.06 23.42E–.06 55–8 3.9b,3.9
CSEM II 18 00 22 55.9–.64 34.20N 23.46E 10 3.7,3.9
THE II 18 00 23 04.1 34.56N 23.77E 52–2 3.7,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=22.4km s-min=19.5km az=16.0.
ATH Error ellipse: s-maj=2.6km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.8km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=14.0km s-min=6.4km az=15.0.
THE Event type ke. Error ellipse: s-maj=5.0km s-min=1.8km az=35.0.
ISC II 18 00 30 33.5–1.8 34.85N–.07 23.34E–.06 15–10 3.7b 59 1-46
IDC II 18 00 30 26.3–7.5 34.75N 23.35E 0 3.8b,3.6 **¶12701074**
ISCJB II 18 00 30 33.4–1.1 34.84N–.07 23.29E–.05 25–6 3.6b,3.6
ATH II 18 00 30 33.8 34.86N 23.36E 31–1 3.5,3.6
THE II 18 00 30 34.6 34.89N 23.36E 15–1 3.5,3.6
CSEM II 18 00 30 34.4–.47 34.88N 23.35E 20 3.5,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=142.5km s-min=33.8km az=24.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.3km az=21.0.
ATH Error ellipse: s-maj=2.6km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=4.2km az=25.0.

IDC II 18 00 47 01.9–1.4 34.11N 23.42E 0 3.8b,3.7
¶15956527
IDC Error ellipse: s-maj=39.6km s-min=25.3km az=135.0.
ISC II 18 03 17 31.5–2.0 34.04N–.09 23.37E–.05 18–7 5.0s,4.1b 115 1-99
IDC II 18 03 17 26.0–3.8 33.89N 23.22E 0 4.6,4.6s **¶12701093**
CSEM II 18 03 17 31.5–.41 34.05N 23.37E 15 3.2L,4.6s
ATH II 18 03 17 31.4 34.05N 23.32E 35–5 3.2L,4.6s
THE II 18 03 17 31.8 34.04N 23.30E 16–4 3.2L,4.6s
ISC Event type ke.
IDC Error ellipse: s-maj=72.8km s-min=20.1km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=4.2km az=2.0.
ATH Error ellipse: s-maj=4.2km s-min=2.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=1.1km az=204.0.
IDC II 18 13 50 18.2–1.3 34.11N 23.31E 0 3.9b,3.8
¶15956560
IDC Error ellipse: s-maj=51.8km s-min=22.9km az=141.0.
ISC II 19 16 19 01.0–1.4 35.08N–.09 23.08E–.09 72–12 3.6b 31 1-61
IDC II 19 16 18 53.0–1.3 35.25N 22.81E 0 3.6,3.6 **¶12701260**
ISCJB II 19 16 18 59.7–1.0 35.06N–.09 23.05E–.10 80–7 3.4b,3.6
ATH II 19 16 18 59.3 34.98N 22.97E 49–30 3.2,3.6
CSEM II 19 16 18 59.3 34.98N 22.97E 48 3.2,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=39.3km s-min=22.7km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=10.2km az=41.8.
ATH Error ellipse: s-maj=2.0km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC II 20 00 50 29.2–.85 34.02N–.05 25.97E–.07 26 3.4b 28 1-60
IDC II 20 00 50 27.4–1.2 34.44N 26.03E 0 3.7,3.7L **¶12701297**
ISCJB II 20 00 50 28.9–.46 34.06N–.04 26.16E–.06 26 3.5b,3.2s
ATH II 20 00 50 28.3 33.91N 26.00E 48 3.3,3.2s
CSEM II 20 00 50 28.0–.14 34.00N 25.89E 2 3.3,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=23.8km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.4km az=147.2.
ATH Error ellipse: s-maj=5.4km s-min=3.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=2.8km az=73.0.
ISC II 24 05 47 14.6–1.1 34.12N–.03 25.27E–.03 30–9 4.1b 329 1-81
IDC II 24 05 47 11.2–.78 34.31N 25.17E 0 4.2L,4.1 **¶13435033**
ISCJB II 24 05 47 13.6–.29 34.08N–.02 25.31E–.03 49–4 4.0b,4.1
CSEM II 24 05 47 15.6–.11 34.15N 25.30E 46–1 4.0b,4.0W
HLW II 24 05 47 16.8 34.10N 25.57E 33–27 3.9,3.9L
THE II 24 05 47 17.9 34.25N 25.14E 85–5 3.7L,3.9L
ATH II 24 05 47 17.6 34.37N 25.13E 42–5 3.9,3.9L
NEIC II 24 05 47 17.6 34.37N 25.13E 42 4.2b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=14.1km az=162.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=138.8.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.2km az=39.0.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=1.1km az=54.0.
ATH Error ellipse: s-maj=6.0km s-min=1.8km az=-1.0.
NEIC Event type se. After ATH.
ISC II 25 04 47 29.0–.94 35.36N–.04 25.85E–.03 13–6 4.0b 186 0-77
THE II 25 04 47 24.8 35.00N 26.18E 5–6 3.8L **¶12701806**
HLW II 25 04 47 28.9 35.47N 25.86E 33–41 3.8,3.5L
ISCJB II 25 04 47 28.4–.53 35.24N–.03 25.88E–.02 22–5 3.7b,3.5L
ATH II 25 04 47 28.4 35.38N 25.82E 22–2 3.6,3.5L
CSEM II 25 04 47 29.2–.15 35.27N 25.86E 10 3.6,3.5L
ISK II 25 04 47 29.6 35.63N 25.83E 7 4.2,3.5L
IDC II 25 04 47 31.9–3.8 35.35N 25.86E 35–33 3.8,3.7L
DDA II 25 04 47 31.6 35.44N 25.89E 12 3.7,3.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=9.6km s-min=1.3km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=176.9.
ATH Error ellipse: s-maj=3.4km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=2.0.
IDC Error ellipse: s-maj=24.5km s-min=14.9km az=165.0.
DDA Event type ke.
ISC II 27 20 52 47.6–.37 34.18N–.03 25.22E–.02 30–2 4.8b,4.0s 1383 1-118
SZGRF II 27 20 52 42.6 34.35N 25.90E 10 4.7b,4.0s **¶13435170**
BJI II 27 20 52 43.3 34.50N 24.96E 14 5.0b,4.8s
ISCJB II 27 20 52 44.5–.47 34.18N–.01 25.19E–.01 22–3 4.7b,4.0s
TEH II 27 20 52 45.2 34.14N 25.17E 10 4.8L,4.0s
ISK II 27 20 52 45.0 34.15N 25.09E 44 4.5L,4.0s
PDG II 27 20 52 47.0–.40 34.54N 24.92E 5–11 4.6L,4.0s
MOS II 27 20 52 47.5–.98 34.31N 25.19E 40 5.0b,4.0s
ATH II 27 20 52 47.4 34.22N 25.14E 96–2 4.3L,4.0s
CSEM II 27 20 52 47.3–.06 34.15N 25.19E 30 4.8b,4.1W
IDC II 27 20 52 48.5–1.7 34.32N 25.18E 33–12 4.4,4.4b
HLW II 27 20 52 48.6 34.24N 25.55E 33–30 4.3L,0.0
NEIC II 27 20 52 48.1–1.2 34.29N 25.22E 31–8 4.8b,0.0
THE II 27 20 52 51.2 34.33N 25.15E 58–1 4.6L,0.0
BGS II 27 20 52 53.6–1.9 34.87N 24.95E 33 5.0b,0.0
NIC II 27 20 52 54.6–.20 34.68N 25.91E 61 4.8b,4.3L
ISC Event type ke.
SZGRF Crete, Greece.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=23.0.
PDG Event type ke. Error ellipse: s-maj=12.5km s-min=8.2km az=90.0.
MOS Error ellipse: s-maj=5.0km s-min=2.6km az=106.5.
ATH Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=26.0.
IDC Error ellipse: s-maj=11.0km s-min=9.3km az=146.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=2.8km az=190.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=156.0.
BGS Error ellipse: s-maj=998.8km s-min=793.8km az=-1.0.
NIC Moment Tensor Solution. $M_0 7.20000 \times 10^{14}$
ISC III 03 17 20 22.6–.67 35.62N–.03 26.88E–.03 80–6 4.0b 190 0-58
HLW III 03 17 20 20.9 35.60N 27.06E 33–14 4.0,4.0L **¶12702367**
ISCJB III 03 17 20 21.1–.21 35.51N–.02 26.92E–.02 94–4 3.9b,4.0L
IDC III 03 17 20 21.7–2.4 35.68N 26.86E 61–25 3.7b,3.6
CSEM III 03 17 20 22.1–.16 35.55N 26.89E 94–4 3.2L,3.6
ISK III 03 17 20 22.1 35.64N 26.79E 50 3.7,3.6
ATH III 03 17 20 23.0 35.78N 26.79E 73–2 3.2L,3.6
DDA III 03 17 20 23.3 35.91N 27.11E 13 3.4,3.6
THE III 03 17 20 25.4 35.80N 26.65E 14–2 3.2L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=164.8.
IDC Error ellipse: s-maj=25.6km s-min=16.4km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=170.0.
ATH Error ellipse: s-maj=1.8km s-min=0.9km az=-1.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=114.0.
ISC III 10 16 49 54.0–.99 35.01N–.03 24.35E–.02 17–8 3.5b 66 0-60
ATH III 10 16 49 52.9 34.98N 24.33E 34–2 3.4 **¶12702891**
IDC III 10 16 49 52.6–4.5 35.00N 24.37E 38–41 3.4L,3.4
CSEM III 10 16 49 53.4–.25 34.97N 24.30E 23–2 3.4,3.4
THE III 10 16 49 54.4 35.01N 24.34E 15–0 3.2L,3.4
ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=1.3km az=-1.0.
IDC Error ellipse: s-maj=51.1km s-min=24.0km az=137.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.1km az=20.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=234.0.
ISC III 10 17 11 57.2–.95 34.82N–.03 25.33E–.02 10–5 4.2b 439 0-118
DDA III 10 17 11 50.0 34.49N 24.84E 25 3.9 **¶11845771**
HLW III 10 17 11 53.2 35.34N 25.34E 33–16 4.0,3.5L
ISK III 10 17 11 54.4 34.48N 25.21E 51 4.3,3.5L
BJI III 10 17 11 54.4 34.60N 25.40E 10 4.6b,3.5L
ISCJB III 10 17 11 55.3–.45 34.75N–.02 25.38E–.02 10–3 5.2s,4.3b
IDC III 10 17 11 56.1–.70 34.94N 25.36E 0 4.2,4.1
CSEM III 10 17 11 57.1–.12 34.74N 25.33E 10 4.3b,3.9W
ATH III 10 17 11 57.5 34.84N 25.33E 12–2 3.7L,3.9W
NEIC III 10 17 11 57.4–.29 34.86N 25.32E 10 4.3b,3.9W

THE III 10 17 11 58.4 34.93N 25.31E 0–0 3.8L,3.9W
MOS III 10 17 11 59.5–1.1 34.99N 25.25E 33 4.4b,3.9W
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=34.5.
IDC Error ellipse: s-maj=18.9km s-min=12.9km az=2.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=33.0.
ATH Error ellipse: s-maj=2.7km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.6km az=192.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=166.0.
MOS Error ellipse: s-maj=7.8km s-min=5.4km az=80.3.
ATH III 16 08 27 34.8 35.57N 24.37E 30–3 2.8
CSEM III 16 08 27 34.8 35.57N 24.37E 30 2.8 **¶14369985**
ATH Error ellipse: s-maj=10.3km s-min=2.0km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH III 16 14 08 21.2 34.53N 25.70E 19–16 2.8
CSEM III 16 14 08 21.2 34.53N 25.70E 19 2.8 **¶14369991**
ATH Error ellipse: s-maj=4.2km s-min=2.0km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC III 19 13 17 45.2–1.1 35.08N–.05 23.48E–.04 44–9 3.8b 126 0-119
ATH III 19 13 17 44.7 35.12N 23.48E 40–0 3.3L **¶12055774**
ISCJB III 19 13 17 45.2–.64 35.10N–.05 23.49E–.04 59–5 3.9b
THE III 19 13 17 45.7 35.05N 23.47E 20–1 3.3L
CSEM III 19 13 17 46.1–.19 35.10N 23.49E 30 3.3L
IDC III 19 13 17 48.6–8.6 35.24N 23.48E 78–60 3.5b,3.5
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=3.5km az=32.1.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=194.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=1.8km az=30.0.
IDC Error ellipse: s-maj=69.3km s-min=33.4km az=36.0.
ISC III 19 14 15 18.3–.24 35.09N–.02 23.43E–.02 30–1 5.1b,4.4s 1706 1-152
SZGRF III 19 14 15 08.9 34.67N 24.45E 10 5.0b,3.7s **¶12025785**
BEO III 19 14 15 10.3–4.8 34.19N 23.00E 5.2L,3.7s
HLW III 19 14 15 13.8 35.48N 23.73E 11–13 4.6L,4.3
BJI III 19 14 15 14.9 35.25N 23.11E 29 5.3b,5.1b
ISCJB III 19 14 15 15.1–.44 35.02N–.01 23.45E–.01 15–3 5.0b,4.4s
DJA III 19 14 15 15.5–.70 35N–10 23E–12 10 5.9,5.7b
MOS III 19 14 15 17.6–1.0 35.16N 23.47E 33 5.3b,4.1s
IDC III 19 14 15 18.6–2.2 35.13N 23.50E 29–14 4.9L,4.8b
CSEM III 19 14 15 18.8–.11 34.99N 23.43E 40 4.9b,4.4W
ATH III 19 14 15 19.3 35.10N 23.44E 37–0 4.8L,4.4W
NEIC III 19 14 15 19.3 35.10N 23.44E 37 5.0b,4.8L
PDG III 19 14 15 19.5–.40 35.15N 23.14E 37–11 4.8L,4.8L
BGS III 19 14 15 22.8–2.1 35.60N 23.41E 33 5.0b,4.8L
GCMT III 19 14 15 24.7–.40 34.75N 23.16E 56–2 4.9W,4.8L
NIC III 19 14 15 27.2–.50 36.01N 24.22E 61 5.0b,4.5L
DDA III 19 14 15 42.0 36.51N 24.89E 18 4.7L,4.5L
ISC Event type fe.
SZGRF Crete, Greece.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.6km az=22.3.
MOS Error ellipse: s-maj=4.2km s-min=2.3km az=102.0.
IDC Error ellipse: s-maj=11.0km s-min=9.9km az=7.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=27.0.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
NEIC Event type fe. Felt at Kolymvari, Mourniaos, Pithairion and Vrases. After ATH.
PDG Event type ke. Error ellipse: s-maj=7.3km s-min=4.7km az=90.0.
BGS Error ellipse: s-maj=296.8km s-min=135.0km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s35,c43; s60,c91; Moment tensor: Scale 10^{16}Nm; M_{rr}1.86±.15 $M_{\theta\theta}$-1.60±.12; $M_{\phi\phi}$-0.26±.11; $M_{r\theta}$0.87±.09; $M_{\theta\phi}$2.11±.10; $M_{\phi r}$-0.75±.09; Best double couple: NP1:ϕ_s299.00000°,δ33.00000°,λ79.00000°. NP2:ϕ_s131.00000°,δ58.00000°,λ97.00000°. Principal axes: T 2.1200,Plg76.0000° ,Azm62.0000°; N 1.2800,Plg6.0000°,Azm308.0000°; P -3.4000,Plg12.0000°,Azm216.0000° M_o2.80000×10^{16}
NIC Moment Tensor Solution. $M_0$7.70000×10^{14}
DDA Event type ke.
ISC III 20 10 59 05.1–1.8 34.88N–.05 23.50E–.05 9–11 3.7b 68 0-77
ATH III 20 10 59 04.4 34.88N 23.40E 8–3 3.6 **¶12703805**
CSEM III 20 10 59 05.6–.55 34.92N 23.46E 2 3.4L
THE III 20 10 59 07.3 34.96N 23.56E 0–2 3.4L
IDC III 20 10 59 07.8–3.9 34.87N 23.57E 40–39 3.8L,3.5
ISC Event type ke.
ATH Error ellipse: s-maj=3.0km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=5.6km az=29.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.2km az=216.0.
IDC Error ellipse: s-maj=31.1km s-min=25.2km az=138.0.
ISC III 21 10 50 51.8–.93 34.92N–.04 25.97E–.02 24–6 3.7b 97 0-80
DDA III 21 10 50 45.7 34.60N 25.92E 6 3.5 **¶12635175**
IDC III 21 10 50 47.7–1.1 35.02N 25.84E 0 3.8L,3.8
ISCJB III 21 10 50 50.2–.72 34.76N–.05 26.04E–.03 22–5 3.6b,3.8
ATH III 21 10 50 52.1 34.93N 25.91E 24–1 3.4,3.8
CSEM III 21 10 50 52.3–.28 34.94N 25.97E 10 3.4,3.8
THE III 21 10 50 52.9 34.98N 25.91E 0–1 3.2L,3.8
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=20.0km az=177.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.9km az=179.1.
ATH Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.4km az=169.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.1km az=150.0.
ISC III 21 20 34 59.2–.58 34.60N–.03 25.56E–.02 21–3 3.6b 162 1-66
IDC III 21 20 34 55.9–1.3 34.81N 25.48E 0 3.8b,3.8 **¶12635213**
THE III 21 20 35 00.5 34.64N 25.47E 0–1 3.8b,3.8
NEIC III 21 20 35 00.7–2.8 34.71N 25.56E 34–23 4.4b,3.8
CSEM III 21 20 35 00.7–.17 34.63N 25.59E 40 3.5,3.8
ATH III 21 20 35 01.1 34.74N 25.41E 38–0 3.5,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=23.6km az=1.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=161.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.6km az=199.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.5km az=36.0.
ATH Error ellipse: s-maj=1.0km s-min=0.4km az=-1.0.
ISC III 28 03 10 42.4–1.2 35.34N–.05 23.42E–.04 13–8 3.6b 47 0-77
ISCJB III 28 03 10 40.3–1.3 35.22N–.05 23.32E–.05 6–9 3.5b,3.1s **¶12635738**
IDC III 28 03 10 40.3–1.5 35.35N 23.45E 0 3.8,3.7b
ATH III 28 03 10 41.4 35.31N 23.38E 5–2 3.5,3.7b
CSEM III 28 03 10 41.4 35.31N 23.38E 5 3.5,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.9km az=31.3.
IDC Error ellipse: s-maj=38.5km s-min=24.5km az=116.0.
ATH Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC III 31 17 17 26.2–1.8 34.66N–.08 25.40E–.02 11–10 59 1-4
ATH III 31 17 17 25.7 34.58N 25.35E 24–2 3.5 **¶14190724**
CSEM III 31 17 17 25.2–.53 34.59N 25.41E 10 3.5
ISCJB III 31 17 17 26.6–1.4 34.65N–.08 25.37E–.04 21–8 3.5
THE III 31 17 17 26.4 34.65N 25.40E 6–3 3.5
ISC Event type ke.
ATH Error ellipse: s-maj=4.9km s-min=1.8km az=-1.0.
CSEM Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.5km az=177.1.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=2.0km az=9.0.
ISC IV 04 08 57 08.2–.78 34.79N–.06 24.89E–.04 44–6 3.6b 83 0-78
IDC IV 04 08 57 02.9–1.1 34.94N 24.81E 0 4.0L,3.9 **¶12934497**
ISCJB IV 04 08 57 06.6–.47 34.67N–.05 24.90E–.04 59–4 3.7b,3.9
CSEM IV 04 08 57 07.7–.19 34.65N 24.87E 30 3.3,3.9
ATH IV 04 08 57 09.6 34.86N 24.83E 41–1 3.3,3.9
THE IV 04 08 57 11.1 34.87N 24.79E 29–1 3.3,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=22.2km s-min=17.8km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.6km az=25.4.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.0km az=37.0.
ATH Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.1km az=353.0.
ISC IV 05 04 27 51.3–.79 34.41N–.03 23.44E–.04 26–6 4.1b 572 1-80
IDC IV 05 04 27 47.8–.76 34.55N 23.41E 0 4.2L,4.0 **¶12611343**
ISCJB IV 05 04 27 49.0–.63 34.39N–.02 23.43E–.02 26–5 4.0b,4.0
ATH IV 05 04 27 50.9 34.52N 23.29E 28–1 3.8,4.0
CSEM IV 05 04 27 50.6–.11 34.44N 23.40E 20 4.2b,4.2W
MOS IV 05 04 27 51.2–.86 34.58N 23.48E 33 4.3b,4.2W
NEIC IV 05 04 27 52.4–1.6 34.47N 23.44E 32–12 4.2b,4.2W
THE IV 05 04 27 53.7 34.62N 23.38E 13–3 4.0L,4.2W
HLW IV 05 04 27 54.0 34.45N 23.85E 33–49 4.5,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=17.0km s-min=13.0km az=170.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=139.8.
ATH Error ellipse: s-maj=3.3km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=47.0.
MOS Error ellipse: s-maj=7.0km s-min=3.9km az=112.8.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.7km az=190.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.1km az=171.0.
ISC IV 11 11 53 39.3–1.3 35.35N–.08 26.29E–.04 24 3.5b 42 1-34
IDC IV 11 11 53 27.7–1.5 34.50N 26.60E 0 3.8,3.8L **¶12582337**
ISCJB IV 11 11 53 40.0–.80 35.44N–.07 26.23E–.05 24 3.6b,3.2s
ATH IV 11 11 53 40.0 35.41N 26.25E 42–2 3.8,3.2s
CSEM IV 11 11 53 40.0 35.41N 26.25E 42 3.8,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=30.8km s-min=28.1km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.4km az=175.5.
ATH Error ellipse: s-maj=3.6km s-min=0.8km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 11 11 54 00.1–.45 34.47N–.05 26.64E–.04 33 4.0b 232 3-100
IDC IV 11 11 53 56.2–.73 34.54N 26.66E 0 4.0,4.0b **¶16152661**
CSEM IV 11 11 53 56.3–.15 34.57N 26.64E 2 4.0b,2.9s
ISCJB IV 11 11 53 57.5–.33 34.32N–.04 26.57E–.04 33 3.9b,3.8s
NEIC IV 11 11 53 57.5–.39 34.57N 26.63E 10 4.3b,3.8s
MOS IV 11 11 53 59.2–1.4 34.54N 26.50E 31 4.3b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=17.6km s-min=13.1km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.2km az=27.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.3km az=27.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.6km az=195.0.
MOS Error ellipse: s-maj=8.2km s-min=5.6km az=104.7.
ATH IV 12 11 53 44.1 35.13N 23.45E 52–8 3.0
CSEM IV 12 11 53 44.1 35.13N 23.45E 52 3.0 **¶14694137**
ATH Error ellipse: s-maj=5.4km s-min=5.5km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 14 06 14 19.3–.33 34.24N–.04 23.84E–.03 39–2 4.5b,3.5s 700 1-119
PRU IV 14 06 14 14.2 34.21N 23.16E 0 4.4,3.5s **¶13438508**
IDC IV 14 06 14 14.5–.60 34.40N 23.80E 0 4.5,4.5b
ISCJB IV 14 06 14 16.2–.18 34.17N–.02 23.84E–.02 33 4.4b,4.0s
BJI IV 14 06 14 16.3 34.28N 23.11E 58 4.9s,4.8b
THE IV 14 06 14 17.6 34.16N 23.70E 7–2 3.8L,4.8b
CSEM IV 14 06 14 17.9–.12 34.19N 23.80E 30 4.5b,3.1s
MOS IV 14 06 14 18.1–.97 34.41N 23.80E 33 4.7b,3.1s
ATH IV 14 06 14 19.7 34.36N 23.73E 55–5 4.0L,3.7
NEIC IV 14 06 14 19.7 34.36N 23.73E 54 4.4b,3.7
PDG IV 14 06 14 22.0–.39 34.96N 23.41E 0–11 4.7L,3.7
TEH IV 14 06 14 22.1 34.63N 23.96E 80 4.4L,3.7
HLW IV 14 06 14 28.6 33.78N 24.87E 33–35 4.1,3.6L
BEO IV 14 06 14 36.9 35.34N 21.70E 0 4.1,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=14.8km s-min=11.2km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=34.8.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=1.8km az=205.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.5km az=41.0.
MOS Error ellipse: s-maj=5.7km s-min=3.1km az=105.3.
ATH Error ellipse: s-maj=3.5km s-min=2.4km az=-1.0.
NEIC Event type se. After ATH.
PDG Event type ke. Error ellipse: s-maj=7.3km s-min=3.7km az=90.0.
BEO Event type ke.
ISC IV 16 14 25 31.1–.30 34.17N–.03 25.09E–.03 21–2 4.7b,3.6s 895 1-118
SZGRF IV 16 14 25 12.9 33.28N 27.52E 33 4.3b,3.6s **¶13438687**
BJI IV 16 14 25 23.8 34.12N 24.41E 10 4.9b,4.9b
IDC IV 16 14 25 28.1–.51 34.28N 25.07E 0 5.0L,4.5
ISCJB IV 16 14 25 28.4–.42 34.15N–.01 25.10E–.01 16–3 4.6b,3.6s
BEO IV 16 14 25 30.0–1.1 33.76N 22.09E 0 4.6b,3.6s
MOS IV 16 14 25 30.9–1.2 34.20N 25.07E 34 4.8b,3.6s
NEIC IV 16 14 25 32.2 34.33N 25.05E 36 4.6b,3.6s
ATH IV 16 14 25 32.1 34.33N 25.05E 36–2 4.1L,3.9
CSEM IV 16 14 25 32.2–.08 34.20N 25.10E 30 4.7b,4.1W
THE IV 16 14 25 34.2 34.45N 25.02E 4–1 3.9L,4.1W
HLW IV 16 14 25 36.0 33.96N 25.42E 33–46 4.2L,4.1
NIC IV 16 14 25 39.0–.40 34.90N 25.69E 25 4.8b,4.3L
PDG IV 16 14 25 39.1–.24 34.62N 24.13E 8–8 4.4L,4.3L
NSSC IV 16 14 26 01.2–2.4 34.55N 27.97E 38–999 3.4L,4.3L
ISC Event type ke.
SZGRF Eastern Mediterranean Sea.
IDC Error ellipse: s-maj=12.8km s-min=11.1km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=34.8.
BEO Event type ke.
MOS Error ellipse: s-maj=5.1km s-min=3.2km az=103.5.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.4km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=35.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=10.0.
NIC Moment Tensor Solution. $M_0$3.70000×10^{14}
PDG Event type ke. Error ellipse: s-maj=8.6km s-min=6.1km az=90.0.
NSSC Error ellipse: s-maj=25.3km s-min=96.0km az=-1.0.
ATH IV 17 01 26 48.8 34.86N 23.15E 29–6 3.5
CSEM IV 17 01 26 48.8 34.86N 23.15E 29 3.5 **¶14694321**
ATH Error ellipse: s-maj=5.8km s-min=5.5km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 18 01 09 48.2–1.7 35.72N–.07 26.70E–.04 66–17 30 0-2
ISCJB IV 18 01 09 48.8–1.1 35.73N–.07 26.65E–.06 56–16 **¶15135230**
CSEM IV 18 01 09 48.8 35.73N 26.61E 45 3.2
ATH IV 18 01 09 48.8 35.73N 26.61E 45–6 3.2
DDA IV 18 01 10 09.6 37.87N 29.14E 7 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=7.1km az=158.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0.
DDA Event type ke.
ISC IV 24 02 50 34.1–.91 35.04N–.05 26.32E–.02 26–5 3.5b 118 0-43
IDC IV 24 02 50 30.0–1.6 35.36N 25.97E 0 3.8b,3.7 **¶12936109**
ISK IV 24 02 50 31.5 34.88N 26.28E 40 3.6L,3.7
DDA IV 24 02 50 32.3 35.00N 26.67E 11 3.9,3.7
ISCJB IV 24 02 50 33.3–.67 35.01N–.05 26.34E–.03 27–4 3.7b,3.7
ATH IV 24 02 50 34.1 35.12N 26.28E 30–1 3.4,3.7
CSEM IV 24 02 50 34.4–.27 35.07N 26.32E 20 3.4,3.7
THE IV 24 02 50 35.3 35.26N 26.23E 0–1 3.1L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=60.5km s-min=26.1km az=138.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.6km az=168.6.
ATH Error ellipse: s-maj=5.0km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=2.9km az=167.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=90.0.
ISC IV 25 22 07 14.8–2.1 34.5N–.10 26.19E–.05 26–14 53 1-4
THE IV 25 22 07 14.5 34.56N 26.43E 70–3 **¶14191311**
ATH IV 25 22 07 14.1 34.45N 26.12E 28–2 3.6

CSEM IV 25 22 07 18.3–.62 34.73N 26.08E 30 3.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=2.2km az=323.0.
ATH Error ellipse: s-maj=3.1km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=16.2km s-min=6.6km az=166.0.
ISC IV 26 18 24 52.8–1.1 34.89N–.04 23.37E–.06 48–11 3.6b 61 1-68
IDC IV 26 18 24 43.9–3.9 34.77N 23.05E 0 3.7b,3.7 **¶12936215**
CSEM IV 26 18 24 49.9–.28 34.89N 23.23E 5 3.2,3.7
ISCJB IV 26 18 24 51.6–.76 34.81N–.04 23.31E–.08 65–6 3.5b,3.7
THE IV 26 18 24 53.7 35.02N 23.39E 8–2 3.1L,3.7
ATH IV 26 18 24 54.2 35.08N 23.46E 36–1 3.2,3.7
HLW IV 26 18 24 55.2 34.84N 23.75E 33–28 4.0,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=79.5km s-min=35.6km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.5km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=5.8km az=159.5.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=70.0.
ATH Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0.
ISC IV 27 03 10 50.6–1.1 35.61N–.03 26.42E–.02 12–9 98 1-4
ISK IV 27 03 10 46.7 35.32N 26.17E 39 3.7 **¶13568433**
DDA IV 27 03 10 48.1 35.67N 26.44E 7 3.7L
ATH IV 27 03 10 49.6 35.59N 26.45E 30–1 3.6
THE IV 27 03 10 50.3 35.59N 26.45E 6–2 2.9L
ISCJB IV 27 03 10 50.4–.91 35.54N–.04 26.44E–.03 22–9 2.9L
CSEM IV 27 03 10 50.2–.10 35.61N 26.42E 10 3.6
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.1km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.4km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.0km az=152.0.
ISC IV 27 08 03 01.8–1.2 34.27N–.04 25.16E–.03 28–9 3.5b 76 1-78
IDC IV 27 08 02 58.5–1.2 34.38N 25.13E 0 4.1L,3.8 **¶12936308**
THE IV 27 08 03 01.0 34.27N 25.17E 6–2 2.6L,3.8
ATH IV 27 08 03 01.1 34.31N 25.11E 29–1 3.3,3.8
CSEM IV 27 08 03 01.4–.28 34.30N 25.16E 15 3.3,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=22.8km az=145.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=183.0.
ATH Error ellipse: s-maj=2.1km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.8km az=151.0.
ISC IV 27 19 44 28.2–1.1 34.39N–.04 24.74E–.03 29–10 81 1-44
IDC IV 27 19 44 24.2–1.6 34.28N 24.92E 0 4.6L,3.6 **¶12936265**
CSEM IV 27 19 44 27.4–.25 34.34N 24.74E 15 3.0L,3.6
ISCJB IV 27 19 44 27.1–.89 34.30N–.03 24.75E–.05 31–8 3.3b,2.7s
ATH IV 27 19 44 29.9 34.51N 24.74E 34–3 3.4,2.7s
HLW IV 27 19 44 30.1 34.35N 25.04E 33–25 3.5,3.1L
THE IV 27 19 44 32.7 34.66N 24.69E 21–1 3.0L,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=79.2km s-min=26.2km az=133.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.3km az=158.7.
ATH Error ellipse: s-maj=2.3km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=181.0.
ISC IV 27 19 57 19.1–.98 34.52N–.05 24.67E–.03 48–8 3.5b 102 1-46
IDC IV 27 19 57 12.8–1.2 34.60N 24.66E 0 3.8,3.8b **¶13439139**
ISCJB IV 27 19 57 16.2–.38 34.34N–.03 24.72E–.04 55–5 3.6b,3.8b
ATH IV 27 19 57 18.1 34.47N 24.71E 33–3 3.5,3.8b
CSEM IV 27 19 57 18.8–.18 34.45N 24.66E 48–5 3.4L,3.8b
THE IV 27 19 57 20.7 34.60N 24.68E 53–2 3.4L,3.8b
HLW IV 27 19 57 23.0 34.17N 25.42E 33–33 4.2,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=22.8km s-min=20.3km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=141.9.
ATH Error ellipse: s-maj=2.3km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=38.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=21.0.
ISC IV 27 20 36 33.7–.91 34.47N–.04 24.70E–.03 41–9 3.8b 265 1-86
IDC IV 27 20 36 27.9–.84 34.54N 24.70E 0 4.0L,3.9 **¶12742378**
HLW IV 27 20 36 30.2 34.62N 24.88E 33–46 3.9,3.7L
ISCJB IV 27 20 36 31.6–.27 34.37N–.02 24.78E–.02 53–4 3.9b,3.7L
NEIC IV 27 20 36 32.7–.84 34.47N 24.80E 37–8 4.7b,3.7L
CSEM IV 27 20 36 33.3–.14 34.41N 24.79E 49–2 3.7L,3.7L
ATH IV 27 20 36 35.0 34.60N 24.71E 46–5 3.7,3.7L
THE IV 27 20 36 36.3 34.62N 24.67E 25–1 3.7L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=18.1km s-min=15.8km az=10.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=142.3.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.8km az=216.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=53.0.
ATH Error ellipse: s-maj=2.8km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=185.0.
ISC IV 28 00 41 20.5–1.4 35.98N–.02 26.88E–.03 19–3 79 0-3
DDA IV 28 00 41 13.3 35.63N 26.96E 20 3.0 **¶13568455**
ATH IV 28 00 41 18.7 36.04N 26.89E 28–2 3.2
ISK IV 28 00 41 18.2 35.97N 26.78E 6 3.2
ISCJB IV 28 00 41 19.5–.88 35.97N–.03 26.87E–.03 11–6 3.2
CSEM IV 28 00 41 20.2–.20 36.00N 26.82E 15 3.2
THE IV 28 00 41 22.0 36.04N 26.89E 52–3 2.8L
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.8km az=145.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.4km az=70.0.
ISC V 01 20 18 48.2–.92 35.02N–.05 23.19E–.05 59–8 3.6b 145 1-77
IDC V 01 20 18 42.6–1.1 35.18N 23.31E 0 3.7,3.7 **¶13678193**
ISCJB V 01 20 18 47.8–.53 35.05N–.04 23.22E–.05 73–4 3.4b,3.7
ATH V 01 20 18 48.8 35.17N 23.27E 74–2 3.2L,3.7
CSEM V 01 20 18 48.4–.24 35.01N 23.22E 73–5 3.2L,3.7
THE V 01 20 18 50.4 35.07N 23.20E 31–16 3.2L,3.7
HLW V 01 20 18 51.3 35.00N 23.84E 33–24 3.7L,0.0
ISC Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=21.3km az=35.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.3km az=43.9.
ATH Error ellipse: s-maj=1.6km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=3.5km az=50.0.
THE Event type ke. Error ellipse: s-maj=16.6km s-min=0.4km az=68.0.
ISC V 02 04 04 33.1–.81 34.45N–.04 25.39E–.03 49–9 3.7b 374 1-78
HLW V 02 04 04 25.7 34.99N 25.54E 33–31 3.6L,0.0 **¶13439274**
IDC V 02 04 04 27.9–.84 34.61N 25.34E 0 3.9,3.9
ISCJB V 02 04 04 31.2–.27 34.39N–.02 25.41E–.02 59–3 3.7b,3.9
CSEM V 02 04 04 33.1–.10 34.40N 25.36E 60 3.5L,3.9
ISK V 02 04 04 33.4 34.63N 25.37E 61 3.6L,3.9
ATH V 02 04 04 34.2 34.60N 25.24E 62–2 3.5L,3.9
THE V 02 04 04 36.1 34.59N 25.27E 52–4 3.7L,3.9
DDA V 02 04 04 44.7 34.99N 26.03E 51 3.6,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=15.4km az=164.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=33.8.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=33.0.
ATH Error ellipse: s-maj=2.5km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=1.5km az=356.0.
DDA Event type ke.
ISC V 06 16 23 53.7–.30 34.80N–.03 26.88E–.02 23 4.4b,3.3s 811 1-117
NSSC V 06 16 23 47.9–1.6 35.09N 26.78E 0–238 3.4L,3.3s **¶15741796**
IDC V 06 16 23 50.8–.50 34.92N 26.73E 0 4.3,4.3b
BJI V 06 16 23 50.4 34.60N 26.34E 31 5.0b,4.6b
ISCJB V 06 16 23 51.6–.15 34.70N–.02 26.86E–.02 23 4.3b,3.6s
ISK V 06 16 23 51.7 34.68N 26.64E 85 4.1L,3.6s
HLW V 06 16 23 51.8 35.00N 26.94E 33–56 4.0L,3.9
CSEM V 06 16 23 52.7–.10 34.75N 26.85E 15 4.2b,4.0W
THE V 06 16 23 53.4 34.66N 26.85E 9–3 4.2L,4.0W
ATH V 06 16 23 53.5 34.88N 26.80E 17–1 4.1,4.0L
NIC V 06 16 23 53.6–.30 34.47N 26.86E 55 4.4b,3.9L
MOS V 06 16 23 54.6–1.0 35.00N 26.67E 33 4.6b,3.9L
NEIC V 06 16 23 54.8–1.5 34.84N 26.76E 29–11 4.4b,3.9L
ISC Event type ke.
NSSC Error ellipse: s-maj=19.3km s-min=428.7km az=-1.0.
IDC Error ellipse: s-maj=13.6km s-min=11.3km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=27.6.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=27.0.
THE Event type ke. Error ellipse: s-maj=4.8km s-min=1.5km az=190.0.
ATH Error ellipse: s-maj=2.7km s-min=1.3km az=-1.0.
NIC Moment Tensor Solution. $M_0$6.10000×10^{14}
MOS Error ellipse: s-maj=5.9km s-min=4.0km az=117.9.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=188.0.
ISC V 07 00 32 04.9–1.2 34.42N–.04 26.50E–.03 30–10 3.9b 175 1-64
DDA V 07 00 32 00.2 34.23N 26.25E 26 3.6 **¶13678472**
IDC V 07 00 32 01.4–1.1 34.53N 26.35E 0 3.8,3.8b
CSEM V 07 00 32 05.4–.16 34.37N 26.49E 20 4.1W,3.8b
HLW V 07 00 32 05.3 34.27N 26.55E 10–31 3.7,3.4L
THE V 07 00 32 08.4 34.58N 26.37E 9–1 3.1L,3.4L
ATH V 07 00 32 09.8 34.77N 26.35E 68–2 3.2L,3.4L
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=18.1km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=48.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=82.0.
ATH Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0.
ISC V 07 05 03 08.2–.97 35.05N–.04 23.16E–.04 53–11 3.4b 90 1-77
HLW V 07 05 03 00.2 35.48N 23.24E 10–31 3.4,3.2L **¶13678478**
ATH V 07 05 03 07.3 35.08N 23.15E 40–5 3.5,3.2L
ISCJB V 07 05 03 07.4–.48 35.01N–.04 23.15E–.05 66–6 3.3b,3.2L
CSEM V 07 05 03 08.5–.23 35.06N 23.17E 30 3.6L,3.2L
THE V 07 05 03 08.5 35.16N 23.22E 11–0 3.6L,3.2L
IDC V 07 05 03 09.2–3.5 35.02N 23.39E 62–36 3.7L,3.4
ISC Event type ke.
ATH Error ellipse: s-maj=5.4km s-min=3.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.1km az=140.9.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.1km az=42.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=210.0.
IDC Error ellipse: s-maj=29.6km s-min=24.2km az=128.0.
ISC V 08 02 58 55.7–1.0 34.32N–.05 24.59E–.03 22–7 68 1-8
CSEM V 08 02 58 55.7–.28 34.32N 24.59E 15 3.6 **¶14301697**
ATH V 08 02 58 57.4 34.47N 24.61E 30–1 3.6
THE V 08 02 58 58.0 34.44N 24.56E 13–2 3.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=40.0.
ATH Error ellipse: s-maj=1.8km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=340.0.
ISC V 08 14 53 54.3–.58 34.97N–.04 23.11E–.04 37–1 4.3b,3.6s 390 1-120
HLW V 08 14 53 48.2 35.43N 23.00E 33–45 4.0L,0.0 **¶13439417**
IDC V 08 14 53 49.1–.58 35.08N 23.11E 0 4.2,4.2b
ISCJB V 08 14 53 52.7–.30 34.90N–.02 23.13E–.03 42–3 4.3b,3.6s
MOS V 08 14 53 52.7–1.6 35.02N 23.17E 33 4.5b,3.6s
BJI V 08 14 53 53.9 35.11N 22.72E 67 4.8b,4.6
CSEM V 08 14 53 54.5–.12 34.91N 23.07E 51–1 4.7W,4.4b
ATH V 08 14 53 55.9 35.15N 23.11E 80–2 3.9L,4.4b
THE V 08 14 53 57.0 35.10N 23.10E 74–6 4.1L,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=14.7km s-min=13.5km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=140.6.
MOS Error ellipse: s-maj=9.5km s-min=4.6km az=87.2.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=52.0.
ATH Error ellipse: s-maj=1.9km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=6.5km s-min=1.2km az=106.0.
ISC V 11 23 49 02.6–1.1 35.27N–.04 26.42E–.03 2–11 57 0-3
THE V 11 23 49 02.7 35.23N 26.39E 0–3 **¶14301811**
ATH V 11 23 49 02.7 35.28N 26.43E 11–1 3.3
CSEM V 11 23 49 02.5–.29 35.26N 26.43E 0–0 3.3
ISCJB V 11 23 49 02.4–.81 35.26N–.06 26.44E–.04 2–7 3.3
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 12 01 20 08.3–1.1 35.55N–.03 26.46E–.02 23–13 91 0-5
ATH V 12 01 20 07.1 35.58N 26.45E 31–0 3.3 **¶13839558**
CSEM V 12 01 20 07.8–.20 35.53N 26.48E 20 3.3
ISCJB V 12 01 20 07.5–1.1 35.56N–.03 26.44E–.03 23–11 3.3
ISK V 12 01 20 08.0 35.50N 26.42E 32 3.5
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=158.7.
ISC V 12 01 36 28.8–.67 35.63N–.02 26.36E–.02 33–3 4.3b 823 1-117
IDC V 12 01 36 24.3–.56 35.76N 26.24E 0 4.4s,4.4 **¶13439518**
MOS V 12 01 36 25.9–1.3 35.34N 26.17E 33 4.5b,4.4
HLW V 12 01 36 27.5 35.90N 26.56E 22–42 4.3L,4.2
NEIC V 12 01 36 28.4 35.67N 26.34E 34 4.3b,3.9L
DDA V 12 01 36 28.2 35.79N 26.53E 8 4.7L,3.9L
ATH V 12 01 36 28.4 35.66N 26.34E 34–1 3.9,3.9L
CSEM V 12 01 36 29.7–.08 35.54N 26.37E 55–1 4.5b,3.8W
ISK V 12 01 36 29.2 35.71N 26.28E 68 4.3,3.8W
NSSC V 12 01 36 29.6–1.6 36.04N 26.86E 172–323 3.2L,3.8W
THE V 12 01 36 30.4 35.63N 26.33E 31–8 4.2L,3.8W
NIC V 12 01 36 34.3–.20 35.67N 26.92E 60 4.5b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=14.1km s-min=11.6km az=10.0.
MOS Error ellipse: s-maj=7.0km s-min=3.9km az=113.1.
NEIC Event type se. After ATH.
DDA Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=22.0.
NSSC Error ellipse: s-maj=17.8km s-min=67.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=8.0km s-min=0.7km az=118.0.
NIC Moment Tensor Solution. $M_0$1.20000×10^{14}
ATH V 12 01 44 51.0 35.67N 26.32E 39–4 3.0
CSEM V 12 01 44 51.0 35.67N 26.32E 39 3.0 **¶14695147**
ATH Error ellipse: s-maj=2.6km s-min=1.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 12 09 29 50.6–1.1 35.59N–.03 26.47E–.03 25–13 54 1-5
ATH V 12 09 29 49.5 35.60N 26.44E 30–2 3.2 **¶13839574**
CSEM V 12 09 29 49.6–.22 35.62N 26.38E 2 3.2
ISCJB V 12 09 29 49.7–1.5 35.52N–.04 26.44E–.04 15–15 3.2
DDA V 12 09 29 50.5 35.48N 26.85E 4 3.2
ISK V 12 09 29 51.7 35.60N 26.41E 25 3.6
ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.5km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.7km az=149.6.
DDA Event type ke.
ISC V 13 01 58 50.6–1.1 34.94N–.04 25.81E–.02 11–8 99 0-43
IDC V 13 01 58 48.8–1.7 34.95N 25.73E 0 3.5b,3.2 **¶13678851**
THE V 13 01 58 49.7 34.91N 25.77E 0–0 2.8L,3.2
ISCJB V 13 01 58 49.5–.79 34.89N–.04 25.86E–.03 12–4 3.4b,3.2
ATH V 13 01 58 50.0 34.89N 25.76E 16–1 3.2,3.2
ISK V 13 01 58 50.7 34.94N 25.74E 73 4.0,3.2
CSEM V 13 01 58 50.6–.42 34.93N 25.81E 8 2.8L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=72.6km s-min=24.7km az=149.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=167.0.

ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.7km az=1.6.
ATH Error ellipse: s-maj=1.8km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=4.4km az=172.0.

ISC	**V**	**14 08 17 39.4–.62**	**35.30N–.03**	**23.41E–.03**	**58–6**	**4.2b,3.2s**	**283**	**1-79**
IDC	V	14 08 17 32.6–.96	35.42N	23.51E	0	4.1,4.1L		¶13439585
MOS	V	14 08 17 35.1–1.2	35.29N	23.48E	33	4.4b,4.1L		
HLW	V	14 08 17 37.4	35.49N	23.62E	33–37	4.1L,0.0		
ISCJB	V	14 08 17 38.5–.30	35.29N–.02	23.40E–.03	71–3	4.1b,0.0		
CSEM	V	14 08 17 39.9–.15	35.31N	23.41E	67–1	4.1b,3.6W		
ATH	V	14 08 17 40.5	35.41N	23.47E	45	3.5L,3.6W		
THE	V	14 08 17 41.5	35.41N	23.47E	50–4	3.6L,3.6W		

ISC Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=15.9km az=11.0.
MOS Error ellipse: s-maj=14.3km s-min=6.5km az=75.1.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.6km az=143.9.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.3km az=52.0.
ATH Error ellipse: s-maj=5.4km s-min=3.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=0.6km az=172.0.

ISC	**V**	**18 07 52 06.6–1.3**	**35.58N–.04**	**26.93E–.03**	**55–18**		**109**	**1-4**
DDA	V	18 07 51 47.7	35.13N	26.57E	8	3.4		¶13839844
ISK	V	18 07 52 05.2	35.60N	26.96E	26	3.7		
ISCJB	V	18 07 52 05.9–.59	35.60N–.04	26.92E–.03	66–11	3.7		
CSEM	V	18 07 52 06.5–.12	35.59N	26.94E	30	3.2		
THE	V	18 07 52 07.8	35.60N	26.89E	46–5	3.2L		
ATH	V	18 07 52 13.0	35.88N	26.02E	8–2	3.3		

ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.2km az=149.6.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=1.7km az=150.0.
THE Event type ke. Error ellipse: s-maj=5.9km s-min=0.8km az=141.0.
ATH Error ellipse: s-maj=0.7km s-min=4.9km az=-1.0.

ATH	**V**	**18 15 49 47.2**	**34.72N**	**26.06E**	**52–3**	**3.1**		
CSEM	V	18 15 49 47.2	34.72N	26.06E	52	3.1		¶14695326

ATH Error ellipse: s-maj=3.8km s-min=0.9km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**V**	**19 23 12 20.4–.99**	**34.08N–.04**	**24.21E–.05**	**50–26**		**65**	**1-13**
HLW	V	19 23 12 16.5	34.50N	24.31E	33–44	3.5L,3.4		¶14695339
CSEM	V	19 23 12 21.7–.21	34.06N	24.24E	40	3.5L,3.4		
ATH	V	19 23 12 22.8	34.30N	24.23E	66–5	3.5L,3.4		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.2km az=68.0.
ATH Error ellipse: s-maj=5.2km s-min=2.1km az=-1.0.

ISC	**V**	**20 01 30 19.4–1.1**	**34.32N–.04**	**25.45E–.04**	**93–11**		**68**	**1-10**
ISCJB	V	20 01 30 18.7–.43	34.31N–.03	25.48E–.04	96–8			¶14695354
HLW	V	20 01 30 20.1	34.35N	25.73E	33–25	3.0L,0.0		
ATH	V	20 01 30 20.7	34.49N	25.43E	94–2	3.0L,0.0		
CSEM	V	20 01 30 20.3–.16	34.30N	25.49E	80	3.0L,0.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.4km az=154.3.
ATH Error ellipse: s-maj=2.8km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.7km az=59.0.

ISC	**V**	**20 21 59 46.5–.82**	**34.98N–.03**	**23.13E–.03**	**50–9**	**3.8b**	**237**	**1-80**
IDC	V	20 21 59 40.8–.83	35.12N	23.30E	0	3.9L,3.9		¶13439730
HLW	V	20 21 59 41.0	35.53N	23.31E	33–21	3.5,3.3L		
ATH	V	20 21 59 44.9	34.96N	23.07E	37–2	3.8,3.5L		
ISCJB	V	20 21 59 45.8–.35	34.99N–.03	23.14E–.03	68–4	3.7b,3.5L		
CSEM	V	20 21 59 45.4–.16	34.97N	23.10E	20	3.2L,3.5L		
THE	V	20 21 59 47.6	35.15N	23.23E	13–2	3.2L,3.5L		

ISC Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=16.3km az=121.0.
ATH Error ellipse: s-maj=2.0km s-min=1.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.1km az=141.4.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=47.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=200.0.

ISC	**V**	**21 21 48 57.7–1.0**	**34.64N–.06**	**26.52E–.04**	**50–11**	**3.5b**	**68**	**1-64**
IDC	V	21 21 48 52.6–1.2	34.83N	26.43E	0	3.7b,3.6		¶13679391
ISCJB	V	21 21 48 57.6–.67	34.66N–.07	26.51E–.04	68–6	3.5b,3.6		
ATH	V	21 21 49 00.7	34.90N	26.35E	48–3	3.5,3.6		
CSEM	V	21 21 49 00.6–.45	34.79N	26.43E	40	3.5,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=23.9km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=5.3km az=177.4.
ATH Error ellipse: s-maj=3.9km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=3.8km az=172.0.

ISC	**V**	**25 04 36 28.6–1.5**	**34.93N–.06**	**23.63E–.04**	**9–10**	**3.4b**	**68**	**0-77**
IDC	V	25 04 36 21.6–1.5	34.64N	23.63E	0	3.7L,3.6		¶13679601
CSEM	V	25 04 36 27.4	34.88N	23.56E	15	3.8,3.6		
ATH	V	25 04 36 27.4	34.88N	23.56E	15–1	3.8,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=27.6km az=121.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=2.0km s-min=1.2km az=-1.0.

ATH	**V**	**25 08 41 45.2**	**35.98N**	**23.43E**	**20**	**2.8**		
								¶14696325
ISC	**V**	**25 23 54 31.9–2.5**	**34.1N–.10**	**25.28E–.04**	**26–15**		**37**	**1-7**
ATH	V	25 23 54 33.6	34.21N	25.23E	28–1	3.8		¶14696350
DDA	V	25 23 54 36.0	34.19N	25.84E	25	3.4		
CSEM	V	25 23 54 35.9–.75	34.21N	25.31E	40	3.8		

ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.1km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.8km s-min=6.6km az=13.0.

ISC	**V**	**29 07 11 06.6–1.1**	**34.90N–.05**	**23.92E–.04**	**10–7**		**55**	**0-4**
THE	V	29 07 11 03.7	34.80N	23.75E	13–2			¶14302723
ATH	V	29 07 11 06.2	34.91N	23.93E	5–2	3.5		
CSEM	V	29 07 11 06.8–.63	34.96N	23.95E	0–2	3.5		
ISCJB	V	29 07 11 07.2–.89	34.95N–.05	23.97E–.05	2–8	3.5		

ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**V**	**31 01 48 44.3–1.9**	**35.61N–.05**	**23.09E–.05**	**19–5**		**96**	**0-4**
THE	V	31 01 48 42.2	35.50N	22.90E	13–2	3.0L		¶14302802
ATH	V	31 01 48 44.3	35.65N	23.13E	43–1	3.6		
CSEM	V	31 01 48 44.4–.35	35.59N	23.08E	25–2	3.6		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.9km az=223.0.
ATH Error ellipse: s-maj=1.5km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=2.3km az=42.0.

ATH	**VI**	**04 06 17 51.6**	**34.18N**	**25.82E**	**26–1**	**3.5**		
								¶14697035

ATH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.

ISC	**VI**	**05 07 46 10.3–.85**	**34.69N–.04**	**23.81E–.03**	**16–5**	**4.2b,3.4s**	**340**	**0-119**
ISCJB	VI	05 07 46 06.7–.83	34.49N–.03	23.76E–.02	9–4	4.1b,3.4s		¶12939074
IDC	VI	05 07 46 07.5–.70	34.76N	23.83E	0	4.1,4.1b		
ATH	VI	05 07 46 08.1	34.61N	23.76E	11–2	3.8,3.6L		
CSEM	VI	05 07 46 09.5–.21	34.61N	23.79E	10	4.2b,3.6L		
MOS	VI	05 07 46 11.5–2.0	34.62N	23.87E	33	4.5b,3.6L		
THE	VI	05 07 46 12.1	34.83N	23.82E	0–3	4.5b,3.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.1km az=10.7.
IDC Error ellipse: s-maj=15.7km s-min=14.4km az=12.0.
ATH Error ellipse: s-maj=2.1km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=12.0.
MOS Error ellipse: s-maj=8.9km s-min=4.8km az=84.1.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=0.9km az=222.0.

ISC	**VI**	**05 07 54 48.5–2.3**	**34.73N–.08**	**23.71E–.06**	**0–16**		**39**	**0-3**
ATH	VI	05 07 54 47.6	34.66N	23.69E	4	3.5		¶14304783
THE	VI	05 07 54 48.5	34.74N	23.71E	14–0	3.5		
CSEM	VI	05 07 54 48.4–.86	34.72N	23.71E	2	3.5		

ISC Event type ke.
ATH Error ellipse: s-maj=3.0km s-min=1.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=15.9km s-min=9.2km az=28.0.

ISC	**VI**	**06 02 46 22.8–1.0**	**35.61N–.03**	**26.77E–.02**	**8–9**		**121**	**0-4**
ATH	VI	06 02 46 22.4	35.62N	26.79E	17–1	3.4		¶13840349
ISCJB	VI	06 02 46 23.8–.48	35.58N–.04	26.80E–.03	20–5	3.4		
THE	VI	06 02 46 23.6	35.56N	26.81E	9–2	2.7L		
CSEM	VI	06 02 46 23.5–.20	35.60N	26.79E	10	2.7L		
ISK	VI	06 02 46 25.4	35.71N	26.75E	82	3.6		

ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.2km az=154.7.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.5km az=135.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=155.0.

ISC	**VI**	**08 16 17 46.0–1.2**	**34.72N–.03**	**24.70E–.02**	**5–8**	**3.9b,3.1s**	**147**	**0-87**
IDC	VI	08 16 17 44.6–1.2	34.55N	24.90E	0	3.9,3.8b		¶13232427
ISCJB	VI	08 16 17 46.0–.74	34.72N–.03	24.75E–.03	14–4	3.7b,3.1s		
HLW	VI	08 16 17 45.2	34.83N	24.96E	9–14	3.6,3.4L		
CSEM	VI	08 16 17 46.0–.19	34.69N	24.66E	10	2.6s,3.4L		
ATH	VI	08 16 17 47.5	34.86N	24.71E	22–2	3.4,3.4L		
THE	VI	08 16 17 48.0	34.87N	24.67E	1–1	3.6L,3.4L		

ISC Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=18.8km az=177.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=4.7.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=21.0.
ATH Error ellipse: s-maj=1.7km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=177.0.

ISC	**VI**	**09 01 49 20.8–.91**	**35.09N–.07**	**23.18E–.08**	**38**	**3.1b**	**36**	**1-120**
IDC	VI	09 01 49 15.2–1.1	35.24N	23.15E	0	3.5,3.5b		¶13440002
ISCJB	VI	09 01 49 18.5–.85	34.97N–.07	23.02E–.07	38	3.3b,3.5b		
ATH	VI	09 01 49 21.9	35.16N	23.30E	55–3	3.3,3.5b		
CSEM	VI	09 01 49 22.6–.39	35.14N	23.24E	49–3	3.3,3.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=21.8km az=131.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.3km az=36.3.
ATH Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.9km s-min=3.7km az=46.0.

ATH	**VI**	**09 10 51 07.5**	**35.68N**	**26.77E**	**27–2**	**2.7**		
CSEM	VI	09 10 51 07.5	35.68N	26.77E	27	2.7		¶14697141

ATH Error ellipse: s-maj=4.0km s-min=1.5km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**VI**	**09 14 47 44.7–.50**	**34.63N–.04**	**25.55E–.03**	**39–3**	**4.0b,3.0s**	**292**	**1-85**
ISK	VI	09 14 47 39.4	34.38N	25.45E	31	4.1L,3.0s		¶13681052
IDC	VI	09 14 47 39.5–.91	34.78N	25.52E	0	4.0,4.0b		
HLW	VI	09 14 47 41.4	34.87N	25.54E	33–12	3.6,3.3L		
MOS	VI	09 14 47 43.0–2.1	34.40N	25.51E	53	4.3b,3.3L		
ISCJB	VI	09 14 47 43.5–.30	34.60N–.02	25.63E–.03	42–3	3.9b,3.0s		
CSEM	VI	09 14 47 44.7–.11	34.63N	25.60E	30	4.0b,3.0s		
ATH	VI	09 14 47 45.7	34.83N	25.50E	38–0	3.7,3.0s		
THE	VI	09 14 47 46.1	34.73N	25.53E	12–2	4.2L,3.0s		

ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=15.9km az=13.0.
MOS Error ellipse: s-maj=11.9km s-min=5.5km az=75.7.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=41.2.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=37.0.
ATH Error ellipse: s-maj=1.4km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.1km az=351.0.

ISC	**VI**	**09 19 59 09.3–.77**	**34.32N–.04**	**25.43E–.04**	**49–10**	**3.9b**	**343**	**1-79**
HLW	VI	09 19 59 07.4	34.48N	25.40E	32–8	4.0,3.8L		¶13232429
ISCJB	VI	09 19 59 07.5–.27	34.29N–.02	25.43E–.02	46–4	3.9b,3.4s		
MOS	VI	09 19 59 08.9–1.3	34.42N	25.50E	33	4.1b,3.4s		
IDC	VI	09 19 59 09.6–3.6	34.37N	25.42E	33–29	4.1L,3.8		
CSEM	VI	09 19 59 09.3–.11	34.32N	25.38E	40	3.9b,3.7W		
ATH	VI	09 19 59 09.0	34.39N	25.27E	82–2	3.7L,3.7W		
ISK	VI	09 19 59 10.3	34.47N	25.65E	58	4.4,3.7W		
DDA	VI	09 19 59 13.6	34.48N	25.83E	15	3.5,3.7W		
NIC	VI	09 19 59 14.5–.20	34.39N	25.97E	25	4.7b,4.3L		
NSSC	VI	09 19 59 35.3–6.1	34.01N	28.11E	1–999	3.0L,4.3L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=32.1.
MOS Error ellipse: s-maj=12.8km s-min=7.2km az=76.4.
IDC Error ellipse: s-maj=16.8km s-min=13.9km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=30.0.
ATH Error ellipse: s-maj=2.5km s-min=1.5km az=-1.0.
DDA Event type ke.
NIC Moment Tensor Solution. $M_0$1.20000×10^{14}
NSSC Error ellipse: s-maj=143.6km s-min=999.9km az=-1.0.

ISC	**VI**	**11 03 31 56.0–1.5**	**34.57N–.07**	**25.69E–.03**	**27–11**	**3.5b**	**50**	**1-44**
IDC	VI	11 03 31 51.4–1.4	34.86N	25.40E	0	3.6,3.6		¶13681143
ATH	VI	11 03 31 54.3	34.52N	25.67E	23–1	3.2,3.6		
ISCJB	VI	11 03 31 55.3–1.2	34.59N–.06	25.74E–.04	24–8	3.5b,3.6		
CSEM	VI	11 03 31 56.2–.92	34.64N	25.67E	17–4	3.2,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=63.5km s-min=24.0km az=138.0.
ATH Error ellipse: s-maj=2.1km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.3km az=173.7.
CSEM Event type ke. Error ellipse: s-maj=16.2km s-min=7.0km az=176.0.

ISC	**VI**	**11 22 09 50.5–.83**	**34.02N–.04**	**25.82E–.04**	**60–11**	**3.7b**	**106**	**1-64**
IDC	VI	11 22 09 46.0–1.1	34.23N	25.90E	0	3.8b,3.7		¶13681189
ISCJB	VI	11 22 09 49.7–.44	34.06N–.03	25.93E–.04	56–7	3.7b,3.7		
CSEM	VI	11 22 09 50.9–.25	34.10N	25.81E	80	2.8L,3.7		
HLW	VI	11 22 09 52.1	33.96N	26.08E	26–7	3.4,3.4L		
ATH	VI	11 22 09 52.0	34.28N	25.76E	88–3	3.4,3.4L		
ISK	VI	11 22 09 54.8	34.80N	26.08E	5	3.0L,3.4L		
THE	VI	11 22 09 55.2	34.40N	25.70E	86–6	2.8L,3.4L		
DDA	VI	11 22 10 02.4	34.67N	26.65E	40	3.3,3.4L		

ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=20.9km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.3km az=41.8.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=5.7km az=58.0.
ATH Error ellipse: s-maj=3.1km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=8.6km s-min=1.5km az=355.0.
DDA Event type ke.

ISC	**VI**	**12 04 46 54.5–1.2**	**36.00N–.02**	**23.99E–.03**	**39–4**	**3.5b**	**162**	**1-166**
HLW	VI	12 04 46 53.5	36.01N	24.39E	30–14	3.6L,3.5		¶13681203
CSEM	VI	12 04 46 53.5–.12	36.00N	24.01E	20	3.3,3.5		
ATH	VI	12 04 46 53.5	36.01N	24.01E	37–2	3.3,3.2L		
ISCJB	VI	12 04 46 54.0–.29	36.00N–.02	23.99E–.03	55–6	3.4b,3.2L		
THE	VI	12 04 46 55.0	36.02N	24.00E	31–31	3.4L,3.2L		
IDC	VI	12 04 46 56.5–4.5	35.81N	24.21E	65–48	4.1L,3.6		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=52.0.
ATH Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=143.3.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=0.4km az=0.0.
IDC Error ellipse: s-maj=36.8km s-min=25.3km az=146.0.

ISC	**VI**	**13 02 38 05.8–1.5**	**34.61N–.09**	**23.35E–.06**	**47–14**	**3.8b**	**96**	**1-46**
THE	VI	13 02 38 03.9	34.51N	23.20E	41–9	3.4L		¶13681258
ISCJB	VI	13 02 38 04.4–1.0	34.61N–.09	23.34E–.06	67–7	3.7b		
ATH	VI	13 02 38 04.0	34.69N	23.35E	30–2	3.6		
CSEM	VI	13 02 38 04.0–.71	34.72N	23.36E	10	3.6		
IDC	VI	13 02 38 05.9–3.4	34.51N	23.58E	56–37	3.7,3.7b		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=9.5km s-min=1.5km az=33.0.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=5.7km az=21.2.
ATH Error ellipse: s-maj=3.0km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=18.2km s-min=4.4km az=24.0.
IDC Error ellipse: s-maj=24.6km s-min=21.2km az=143.0.

ISC	**VI**	**13 03 33 06.4–1.2**	**34.89N–.05**	**25.98E–.02**	**6–8**	**3.6b**	**124**	**0-43**
ISK	VI	13 03 33 03.0	34.82N	25.69E	8	3.3L		¶13681263
ISCJB	VI	13 03 33 05.9–.71	34.90N–.04	25.98E–.02	8–4	3.4b		

ATH VI 13 03 33 05.8 34.90N 25.98E 15–1 3.2
THE VI 13 03 33 06.4 34.98N 25.97E 0–1 3.4L
CSEM VI 13 03 33 07.2–.25 34.95N 25.95E 2 3.4L
DDA VI 13 03 33 08.3 35.02N 26.43E 3 3.3
IDC VI 13 03 33 10.9–3.6 34.78N 26.04E 40–42 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=2.8km az=176.9.
ATH Error ellipse: s-maj=2.1km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=2.6km az=177.0.
DDA Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=22.7km az=138.0.
ATH VI 14 20 42 34.6 34.70N 23.89E 26–1 3.8
CSEM VI 14 20 42 31.6–.32 34.43N 23.91E 10 3.8 ¶14697295
ATH Error ellipse: s-maj=2.4km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=3.5km az=40.0.
ISC VI 15 07 44 27.5–.74 34.41N–.04 23.18E–.03 20–5 4.3b 202 1-81
IDC VI 15 07 44 26.2–.80 34.54N 23.49E 0 4.2,4.2L ¶13383486
ATH VI 15 07 44 27.6 34.44N 23.23E 21–3 3.7L,3.6
HLW VI 15 07 44 30.1 34.79N 23.70E 31–15 3.9,3.9L
CSEM VI 15 07 44 31.0–.21 34.51N 23.37E 30 3.6L,3.9L
THE VI 15 07 44 34.5 34.75N 23.44E 76–2 3.6L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=15.4km az=158.0.
ATH Error ellipse: s-maj=3.0km s-min=2.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=2.9km az=52.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.5km az=46.0.
ISC VI 17 17 10 47.2–.60 34.89N–.04 26.69E–.05 29 3.8b 96 2-65
ISK VI 17 17 10 43.5 34.69N 26.74E 43 3.7L ¶13681551
IDC VI 17 17 10 44.4–1.2 35.18N 26.46E 0 3.8,3.8b
ISCJB VI 17 17 10 45.7–.33 34.84N–.03 26.71E–.04 29 3.8b,3.8b
CSEM VI 17 17 10 46.8–.18 34.90N 26.81E 20 3.7L,3.8b
HLW VI 17 17 10 47.3 34.94N 26.81E 33–14 3.6,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=18.0km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=31.2.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.4km az=95.0.
ATH VI 20 22 44 05.6 34.43N 25.64E 35–8 3.5
CSEM VI 20 22 44 05.6 34.43N 25.64E 35 3.5 ¶14697417
ATH Error ellipse: s-maj=4.7km s-min=3.1km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 22 07 36 47.8–1.2 34.54N–.04 24.76E–.03 25–10 3.5b 61 0-44
IDC VI 22 07 36 44.1–1.6 34.52N 24.84E 0 3.9L,3.6 ¶13681823
ISCJB VI 22 07 36 47.0–.62 34.49N–.03 24.78E–.04 29–5 3.4b,3.6
CSEM VI 22 07 36 47.9–.22 34.53N 24.76E 20 3.1,3.6
ATH VI 22 07 36 49.9 34.74N 24.73E 36–1 3.1,3.6
THE VI 22 07 36 49.5 34.65N 24.74E 1–2 3.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=44.1km s-min=25.4km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.0km az=155.2.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.0km az=76.0.
ATH Error ellipse: s-maj=2.6km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.9km az=178.0.
ISC VI 22 21 50 53.7–1.4 35.21N–.07 26.92E–.04 8–11 43 0-4
ISK VI 22 21 50 52.6 35.07N 26.85E 18 3.6 ¶13841222
ATH VI 22 21 50 53.1 35.14N 27.00E 13–1 3.0
CSEM VI 22 21 50 53.5–.40 35.18N 26.93E 2 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=3.7km az=153.0.
ISC VI 25 04 23 40.7–.99 34.19N–.03 25.31E–.04 20 36 1-8
HLW VI 25 04 23 38.9 34.51N 25.21E 32–21 3.3,3.3L ¶14697498
ISCJB VI 25 04 23 40.1–.46 34.13N–.03 25.28E–.08 20 3.3,3.3L
ATH VI 25 04 23 40.5 34.19N 25.23E 25–2 3.5,3.3L
CSEM VI 25 04 23 42.0–.22 34.17N 25.30E 30 3.5,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.1km az=167.5.
ATH Error ellipse: s-maj=2.6km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=4.8km az=72.0.
ATH VI 25 10 57 59.0 34.72N 24.04E 21–3 2.9
CSEM VI 25 10 57 59.0 34.72N 24.04E 21 2.9 ¶14697504
ATH Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 25 20 20 58.9–1.1 35.94N–.02 25.36E–.04 18–4 45 0-1
ISCJB VI 25 20 20 59.4–.47 35.95N–.03 25.38E–.06 26–6 ¶14306510
ATH VI 25 20 20 59.3 35.92N 25.35E 37–7 3.0
THE VI 25 20 20 59.2 35.93N 25.38E 12–1 3.0
CSEM VI 25 20 20 59.1–.19 35.93N 25.37E 18–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.9km az=177.8.
ATH Error ellipse: s-maj=2.7km s-min=2.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.4km az=288.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=92.0.
ISC VI 26 23 21 11.9–1.4 34.68N–.06 25.17E–.03 17–8 3.5b 66 0-44
CSEM VI 26 23 21 11.1–.40 34.64N 25.19E 15 3.2 ¶13682093
ATH VI 26 23 21 12.3 34.75N 25.17E 30–1 3.2
THE VI 26 23 21 12.7 34.69N 25.16E 14–1 3.2
IDC VI 26 23 21 12.3–1.5 35.62N 23.46E 0 3.5,3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=3.8km az=160.0.
ATH Error ellipse: s-maj=1.8km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=353.0.
IDC Error ellipse: s-maj=66.6km s-min=26.3km az=131.0.
ISC VI 28 05 17 19.3–.37 34.36N–.03 26.50E–.03 18–3 4.1b,3.3s 517 1-117
IDC VI 28 05 17 16.2–.66 34.43N 26.47E 0 4.1,4.0L ¶13307158
ISK VI 28 05 17 17.2 34.20N 26.54E 36 4.2L,4.0L
ATH VI 28 05 17 19.1 34.42N 26.50E 25–2 3.7,4.0L
CSEM VI 28 05 17 19.2–.11 34.38N 26.51E 20 4.5W,4.1b
NEIC VI 28 05 17 20.7–1.6 34.40N 26.47E 31–12 4.3b,4.1b
MOS VI 28 05 17 20.1–1.2 34.46N 26.40E 33 4.3b,4.1b
HLW VI 28 05 17 22.2 34.37N 26.58E 33–9 3.9L,3.8
THE VI 28 05 17 24.4 34.68N 26.38E 15–4 3.7L,3.8
DDA VI 28 05 17 48.4 36.37N 28.32E 7 3.6,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=15.4km s-min=12.9km az=161.0.
ATH Error ellipse: s-maj=2.7km s-min=2.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=20.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.2km az=188.0.
MOS Error ellipse: s-maj=7.4km s-min=3.9km az=113.6.
THE Event type ke. Error ellipse: s-maj=5.3km s-min=0.9km az=171.0.
DDA Event type ke.
ISC VI 29 20 39 53.6–1.0 35.05N–.06 23.23E–.05 60–8 3.6b 144 1-78
ATH VI 29 20 39 51.1 34.95N 23.09E 41–3 3.9,3.1L ¶13682274
ISCJB VI 29 20 39 53.0–.69 35.08N–.06 23.24E–.05 73–4 3.5b,3.1L
CSEM VI 29 20 39 53.6–.44 35.02N 23.22E 60 3.0L,3.1L
IDC VI 29 20 39 54.8–3.7 35.19N 23.18E 67–32 3.5,3.5s
THE VI 29 20 39 55.8 35.18N 23.36E 64–2 3.0L,3.5s
ISC Event type ke.
ATH Error ellipse: s-maj=4.9km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=4.3km az=33.5.
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=3.8km az=29.0.
IDC Error ellipse: s-maj=28.0km s-min=22.3km az=159.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.6km az=29.0.

(371) Eastern Mediterranean Sea.

ISC I 09 04 43 43.6–2.9 35.9N–.20 29.16E–.05 13–13 28 1-2
ISK I 09 04 43 44.2 35.92N 29.20E 16 2.7 ¶12854560
CSEM I 09 04 43 45.2–.78 35.90N 29.22E 20 3.1
DDA I 09 04 43 46.1 36.08N 29.15E 22 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.3km s-min=8.6km az=168.0.
DDA Event type ke.
ISC I 09 05 57 21.8–1.1 35.97N–.03 28.83E–.02 24–13 66 1-9
ISCJB I 09 05 57 19.6–.82 35.89N–.03 28.85E–.03 11–5 ¶12854558
ISK I 09 05 57 20.8 36.02N 28.79E 14 3.0
ATH I 09 05 57 21.8 35.99N 28.81E 32–3 3.4
CSEM I 09 05 57 21.7–.17 35.94N 28.84E 20 3.0
DDA I 09 05 57 24.2 36.23N 28.89E 7 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=34.9.
ATH Error ellipse: s-maj=5.6km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=116.0.
DDA Event type ke.
ISC I 28 23 59 07.4–.31 35.65N–.03 28.23E–.02 51–2 4.6b,3.8s 1225 1-93
SZGRF I 28 23 58 49.9 34.99N 29.76E 10 4.9b,3.8s ¶15699747
IDC I 28 23 59 01.1–.52 35.78N 28.03E 0 4.9L,4.6
BJI I 28 23 59 02.9 35.51N 27.64E 47 5.0b,4.6s
MOS I 28 23 59 03.7–1.5 35.52N 28.17E 33 4.7b,4.6s
ISK I 28 23 59 04.1 35.54N 28.09E 56 4.8L,4.6s
ISCJB I 28 23 59 05.7–.15 35.58N–.01 28.26E–.01 61–2 4.6b,4.6s
DDA I 28 23 59 05.3 35.70N 28.07E 26 4.6L,4.6s
ATH I 28 23 59 07.4 35.74N 28.18E 64–1 4.5L,4.6s
PDG I 28 23 59 07.7–.11 34.64N 26.19E 11–1 4.8L,4.6s
CSEM I 28 23 59 07.5–.07 35.57N 28.27E 65–1 4.7b,4.3W
NEIC I 28 23 59 07.4 35.74N 28.18E 64 4.7b,4.3W
HLW I 28 23 59 09.2 35.50N 28.33E 32–29 4.5,4.4L
THE I 28 23 59 09.7 35.71N 28.18E 48–2 4.8L,4.4L
NSSC I 28 23 59 14.0–1.7 35.65N 28.98E 36–999 4.3L,4.4L
NIC I 28 23 59 15.9–.20 35.56N 28.99E 65 4.8b,4.6L
ISC Event type fe.
SZGRF Eastern Mediterranean Sea.
IDC Error ellipse: s-maj=12.8km s-min=12.1km az=164.0.
MOS Error ellipse: s-maj=5.8km s-min=2.9km az=110.5.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=26.6.
DDA Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=0.7km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=244.7km s-min=200.9km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=35.0.
NEIC Event type fe. Felt at Lardos and Rodos, Greece. Also felt at Kas, Turkey. After ATH.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=122.0.
NSSC Error ellipse: s-maj=24.6km s-min=116.8km az=-1.0.
NIC Eastern Mediterranean Sea 65km. SE Lardhos. Moment Tensor Solution. $M_0$1.00000×10^{15}
ISC II 02 12 52 35.6–1.4 35.81N–.06 29.31E–.04 29–12 49 0-4
ATH II 02 12 52 34.5 36.29N 29.06E 26 3.6 ¶13434190
ISCJB II 02 12 52 35.3–1.1 35.78N–.05 29.23E–.05 25–8 3.6
CSEM II 02 12 52 35.8–.53 35.80N 29.31E 26–4 3.6
DDA II 02 12 52 36.5 35.94N 29.23E 6 3.1
ISK II 02 12 52 38.4 35.94N 29.16E 32 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.0km az=145.5.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=5.1km az=145.0.
DDA Event type ke.
ISC II 04 19 20 00.8–.94 35.87N–.03 30.96E–.03 52–15 3.3b 180 1-39
NIC II 04 19 19 57.6–.50 36.28N 30.95E 25 4.1b,3.7L ¶12082937
DDA II 04 19 19 57.6 35.73N 30.94E 35 3.6,3.7L
ISCJB II 04 19 19 59.7–.21 35.86N–.02 30.96E–.02 71–7 3.1b,3.7L
ISK II 04 19 20 00.1 35.92N 31.02E 55 3.8,3.7L
CSEM II 04 19 20 00.7–.10 35.89N 30.96E 30 3.6W,3.7L
IDC II 04 19 20 01.3–3.7 35.91N 31.00E 58–30 3.9L,3.6s
HLW II 04 19 20 05.7 35.54N 30.84E 33–20 3.5,3.2L
ATH II 04 19 20 11.5 35.84N 29.82E 34 3.6,3.2L
ISC Event type ke.
NIC Moment Tensor Solution. $M_0$2.10000×10^{14}
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=35.8.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=45.0.
IDC Error ellipse: s-maj=48.9km s-min=16.8km az=92.0.
ATH II 23 10 11 26.6 33.41N 25.52E 5 3.8
¶14359435
ISC II 28 14 27 13.6–1.2 35.65N–.06 28.04E–.04 68–14 53 1-9
ISCJB II 28 14 27 13.2–.65 35.58N–.06 28.04E–.04 66–13 ¶14359576
ATH II 28 14 27 13.4 35.78N 27.93E 72–0
CSEM II 28 14 27 14.3–.18 35.69N 28.00E 64–3 3.5L
HLW II 28 14 27 16.4 35.53N 28.14E 33–32 3.5L,0.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.4km az=179.1.
ATH Error ellipse: s-maj=0.5km s-min=0.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.5km az=4.0.
ISC III 04 01 48 14.1–1.4 34.69N–.04 28.48E–.03 13–9 3.7b 195 1-79
IDC III 04 01 48 12.1–1.4 34.67N 28.38E 0 3.8b,3.8 ¶12702394
ATH III 04 01 48 14.5 34.70N 28.42E 25–13 4.0,3.8
CSEM III 04 01 48 15.2–.10 34.62N 28.48E 20 2.9L,3.8
DDA III 04 01 48 15.9 34.96N 28.36E 9 3.5,3.8
ISK III 04 01 48 19.0 35.18N 28.30E 8 3.6L,3.8
THE III 04 01 48 19.2 34.97N 28.21E 0–1 2.9L,3.8
HLW III 04 01 48 25.1 33.95N 28.81E 26–17 3.3,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=17.3km az=19.0.
ATH Error ellipse: s-maj=7.7km s-min=8.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=52.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=6.0km s-min=0.9km az=127.0.
ATH III 05 11 21 44.1 34.69N 27.29E 21–2 2.9
CSEM III 05 11 21 44.1 34.69N 27.29E 21 2.9 ¶14359632
ATH Error ellipse: s-maj=2.8km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC III 07 05 25 02.8–1.6 35.60N–.05 28.22E–.04 29–14 96 1-7
ISK III 07 05 25 00.6 35.43N 28.15E 32 3.7 ¶12791117
ISCJB III 07 05 25 03.6–.81 35.67N–.03 28.37E–.04 26–8 3.7
CSEM III 07 05 25 05.1–.28 35.71N 28.32E 30 3.5W
ATH III 07 05 25 06.3 36.51N 27.69E 10 3.5W
DDA III 07 05 25 06.0 35.98N 28.47E 36 3.6
NIC III 07 05 25 07.5–.30 36.08N 28.63E 36 3.5W,3.3L
HLW III 07 05 25 09.1 35.58N 28.61E 28–11 3.6L,0.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=139.7.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.2km az=55.0.
DDA Event type ke.
NIC Moment Tensor Solution. $M_0$1.40000×10^{14}
ISC III 11 22 21 17.8–5.8 32.45N–.03 31.50E–.05 38–7 107 2-6
HLW III 11 22 21 16.4 32.61N 31.45E 33–12 3.1L,3.0 ¶12855479
CSEM III 11 22 21 18.5–.17 32.46N 31.49E 60 3.2W,3.0
NIC III 11 22 21 21.4–.30 33.07N 30.73E 51 3.2W,3.1L
NSSC III 11 22 21 21.0–1.3 32.98N 31.96E 0–92 2.2L,3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=122.0.
NIC Moment Tensor Solution. $M_0$8.90000×10^{13}
NSSC Error ellipse: s-maj=32.3km s-min=160.2km az=-1.0.
ISC III 23 13 37 49.0–1.3 35.41N–.04 30.48E–.03 33–7 63 1-6
ISK III 23 13 37 45.4 35.06N 30.29E 53 3.4 ¶13437109
CSEM III 23 13 37 49.9–.23 35.39N 30.56E 20 3.3
DDA III 23 13 37 50.3 35.83N 30.66E 8 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=5.1km az=73.0.
DDA Event type ke.
ISC III 30 13 36 55.5–1.8 35.97N–.07 29.83E–.04 24–15 50 1-3
DDA III 30 13 36 52.8 35.89N 29.96E 6 3.2 ¶13437658
ISCJB III 30 13 36 53.0–1.7 35.84N–.08 29.86E–.05 20–11 3.2
CSEM III 30 13 36 53.0–.59 35.90N 29.86E 10 3.2
ISK III 30 13 36 58.4 36.41N 29.74E 73 3.2
ISC Event type ke.
DDA Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.8km az=6.1.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=7.5km az=4.0.
ISC III 31 00 02 32.0–1.3 33.94N–.07 25.78E–.04 45–15 3.8b 76 1-64
IDC III 31 00 02 28.6–1.2 34.31N 25.79E 0 3.8b,3.8 **¶12635992**
ISCJB III 31 00 02 30.5–.89 33.89N–.06 25.79E–.05 53–10 3.7b,3.8
THE III 31 00 02 32.1 34.09N 25.73E 0–1 2.5L,3.8
ATH III 31 00 02 32.1 34.11N 25.75E 88–3 3.1L,3.8
CSEM III 31 00 02 33.3–.49 34.08N 25.76E 80 3.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=23.1km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.6km az=13.8.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=0.6km az=160.0.
ATH Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=5.4km az=177.0.
ISC IV 01 15 20 23.2–3.3 35.4N–.10 29.63E–.07 11–15 30 1-5
ISK IV 01 15 20 22.4 35.31N 29.55E 26 3.1L **¶16194081**
CSEM IV 01 15 20 22.4 35.31N 29.55E 26 3.1L
DDA IV 01 15 20 30.1 36.15N 30.27E 7 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
DDA Event type ke.
ISC IV 04 22 23 53.3–1.9 35.80N–.07 29.76E–.04 5–11 52 0-4
ISK IV 04 22 23 52.6 35.80N 29.75E 2 3.6 **¶13567899**
CSEM IV 04 22 23 53.8–.29 35.80N 29.76E 2 3.0
ISCJB IV 04 22 23 54.6–1.2 35.85N–.06 29.77E–.05 11–6 3.0
DDA IV 04 22 23 57.8 36.04N 29.36E 8 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.0km az=15.5.
DDA Event type ke.
ISC IV 10 15 40 34.1–.30 34.99N–.02 29.03E–.02 47–3 3.8b,3.4s 534 1-115
DDA IV 10 15 40 31.0 34.89N 28.94E 27 3.5,3.4s **¶12668542**
NEIC IV 10 15 40 31.7 35.03N 28.95E 7 4.4b,4.2L
ISK IV 10 15 40 32.5 35.00N 28.94E 16 4.0L,3.8
IDC IV 10 15 40 33.2–.97 35.04N 28.90E 38–6 4.0L,3.8
ISCJB IV 10 15 40 33.6–.16 34.93N–.01 28.95E–.02 70–3 3.9b,3.8
ATH IV 10 15 40 34.6 35.07N 28.92E 35–22 3.5,3.8
CSEM IV 10 15 40 35.0–.09 34.95N 28.94E 41 3.9b,3.8W
THE IV 10 15 40 37.0 35.08N 28.95E 78–5 3.6L,3.8W
HLW IV 10 15 40 37.2 34.77N 29.11E 33–43 3.9,3.8L
NIC IV 10 15 40 38.4–.30 35.15N 29.31E 66 4.3b,3.9L
NSSC IV 10 15 40 38.8–1.3 35.26N 29.42E 37–313 3.1L,1.9
ISC Event type ke.
DDA Event type ke.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=18.9km s-min=12.7km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=37.6.
ATH Error ellipse: s-maj=7.7km s-min=11.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=42.0.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=1.1km az=355.0.
NIC Moment Tensor Solution. $M_0$8.40000×10[13]
NSSC Error ellipse: s-maj=32.0km s-min=223.8km az=-1.0.
ISC IV 11 00 34 03.7–1.0 35.80N–.03 28.94E–.02 70–13 170 1-9
ISK IV 11 00 34 02.4 35.70N 28.97E 44 3.4 **¶12793893**
ISCJB IV 11 00 34 02.7–.23 35.73N–.03 28.96E–.02 72–11 3.4
DDA IV 11 00 34 03.4 35.83N 28.84E 29 3.3
ATH IV 11 00 34 04.6 35.90N 28.82E 62–3 3.3
CSEM IV 11 00 34 04.3–.07 35.75N 28.97E 40 2.9W
THE IV 11 00 34 05.9 35.82N 28.90E 55–7 3.0L
NIC IV 11 00 34 06.5–.10 36.06N 29.34E 68 3.2L,2.9W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=173.8.
DDA Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=48.0.
THE Event type ke. Error ellipse: s-maj=7.6km s-min=1.8km az=341.0.
NIC Moment Tensor Solution. $M_0$1.70000×10[13]
ISC IV 18 10 01 44.7–1.7 34.87N–.04 28.45E–.03 35–6 3.5b 142 1-79
IDC IV 18 10 01 39.9–.99 34.86N 28.40E 0 3.7,3.7b **¶12935558**
ISCJB IV 18 10 01 43.0–.30 34.77N–.02 28.52E–.02 43–6 3.6b,3.7b
CSEM IV 18 10 01 44.4–.12 34.85N 28.50E 60 3.6L,3.7b
THE IV 18 10 01 46.1 34.97N 28.50E 68–10 3.6L,3.7b
ATH IV 18 10 01 48.4 35.30N 28.07E 78–3 3.6L,3.7b
HLW IV 18 10 01 48.2 34.56N 28.77E 33–29 3.8,3.1L
DDA IV 18 10 01 54.4 35.88N 28.58E 15 3.6L,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=21.6km s-min=17.4km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=28.5.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=41.0.
THE Event type ke. Error ellipse: s-maj=11.1km s-min=1.3km az=353.0.
ATH Error ellipse: s-maj=3.2km s-min=2.5km az=-1.0.
DDA Event type ke.
ISC IV 18 16 16 12.1–1.4 32.09N–.03 30.83E–.04 8–10 3.6b 203 2-82
IDC IV 18 16 16 10.6–2.2 31.97N 30.74E 0 3.8,3.7 **¶12793897**
HLW IV 18 16 16 15.6 32.13N 30.91E 33–38 3.4L,3.2
CSEM IV 18 16 16 15.5–.13 32.08N 30.80E 30 3.3W,3.2
NIC IV 18 16 16 18.5–.30 32.25N 30.83E 25 4.2b,3.7L
ATH IV 18 16 17 00.6 34.54N 27.72E 101–6 4.2b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=44.3km s-min=21.2km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=73.0.
NIC Moment Tensor Solution. $M_0$6.70000×10[13]
ATH Error ellipse: s-maj=5.9km s-min=7.6km az=-1.0.
ISC IV 19 00 15 02.6–1.5 35.89N–.05 29.58E–.04 14–10 73 0-4
DDA IV 19 00 15 01.2 35.83N 29.53E 6 3.0 **¶13568237**
ISCJB IV 19 00 15 01.5–.98 35.84N–.04 29.56E–.05 6–5 3.0
ATH IV 19 00 15 02.9 35.99N 29.57E 34–17 3.5
ISK IV 19 00 15 02.7 35.96N 29.58E 9 3.3
CSEM IV 19 00 15 04.2–.32 35.95N 29.51E 15 3.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.7km az=135.8.
ATH Error ellipse: s-maj=24.8km s-min=6.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=3.6km az=140.0.
ISC IV 30 17 15 49.7–.99 34.66N–.04 27.50E–.02 29–7 4.1b,2.9s 414 1-116
IDC IV 30 17 15 45.4–.67 34.75N 27.36E 0 4.1,4.1b **¶13439228**
ISK IV 30 17 15 47.7 34.57N 27.45E 35 4.0L,4.1b
CSEM IV 30 17 15 50.3–.09 34.58N 27.51E 65–2 4.1b,3.6W
ATH IV 30 17 15 50.8 34.80N 27.43E 91–1 3.8L,3.6W
NIC IV 30 17 15 52.9–.30 34.98N 27.65E 27 4.3b,3.9L
HLW IV 30 17 15 52.6 34.38N 27.77E 33–39 4.1,4.0L
DDA IV 30 17 15 56.1 35.11N 27.70E 46 3.6,4.0L
THE IV 30 17 16 40.3 36.79N 23.75E 25–5 2.5L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=13.1km az=23.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=38.0.
ATH Error ellipse: s-maj=1.2km s-min=0.8km az=-1.0.
NIC Moment Tensor Solution. $M_0$1.90000×10[14]
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=6.6km s-min=1.4km az=196.0.
ISC V 06 20 02 59.4–1.4 33.81N–.04 32.80E–.04 51–56 79 1-5
NIC V 06 20 02 56.8–.30 33.63N 32.74E 25 3.3W,3.2L **¶12895820**
HLW V 06 20 02 56.2 34.04N 32.95E 33–25 3.3L,3.1
ISCJB V 06 20 02 58.1–.62 33.79N–.04 32.77E–.04 62–34 3.3L,3.1
CSEM V 06 20 02 59.2–.12 33.83N 32.78E 40 3.3W,3.1
NSSC V 06 20 03 03.2–1.7 34.08N 33.16E 37–999 2.3L,3.1
ISC Event type ke.
NIC Moment Tensor Solution. $M_0$1.10000×10[14]
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.0km az=8.5.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=83.0.
NSSC Error ellipse: s-maj=9.6km s-min=34.7km az=-1.0.

ISC V 07 23 57 24.0–1.8 34.93N–.06 28.54E–.04 1–12 48 1-5
CSEM V 07 23 57 26.3–.52 34.99N 28.55E 2 3.6 **¶13839370**
ISK V 07 23 57 28.1 34.92N 28.69E 31 3.5
ATH V 07 23 57 31.5 35.22N 28.26E 59–6 3.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=6.4km az=152.0.
ATH Error ellipse: s-maj=1.9km s-min=1.3km az=-1.0.
ISC V 13 00 26 09.7–2.0 35.98N–.10 28.90E–.05 16 24 1-2
ISK V 13 00 26 08.2 35.97N 29.00E 8 2.7 **¶13839616**
DDA V 13 00 26 09.8 35.98N 28.87E 7 2.8
CSEM V 13 00 26 09.0–.93 35.93N 28.88E 8 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=18.6km s-min=10.9km az=179.0.
ISC V 13 01 16 59.4–2.2 36.0N–.10 28.85E–.05 16 17 1-2
ISK V 13 01 16 59.0 36.04N 28.84E 2 2.7 **¶13839620**
CSEM V 13 01 17 00.6–.58 36.03N 28.92E 15 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.7km s-min=7.7km az=3.0.
ISC V 15 04 12 21.9–5.5 35.6N–.20 30.2E–.10 8–16 13 1-3
ISK V 15 04 12 15.8 35.46N 30.24E 8 3.3 **¶13839705**
CSEM V 15 04 12 16.3–.39 35.47N 30.26E 2 3.3
DDA V 15 04 12 18.6 35.74N 30.37E 5 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.6km az=7.0.
DDA Event type ke.
ISK V 18 15 50 13.9 35.85N 28.26E 4 3.1
CSEM V 18 15 50 13.9 35.85N 28.26E 4 3.1 **¶13839856**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC V 20 06 27 11.8–1.1 35.85N–.02 30.97E–.02 15–8 3.6b 165 1-78
NIC V 20 06 27 10.4–.20 35.93N 30.82E 11 4.2b,3.9L **¶13439718**
ISK V 20 06 27 10.4 35.77N 30.92E 6 3.5,3.9L
CSEM V 20 06 27 12.5–.13 35.84N 30.94E 10 3.8W,3.9L
NSSC V 20 06 27 12.7–1.4 35.97N 31.11E 0–314 3.3L,3.9L
DDA V 20 06 27 12.7 36.00N 31.00E 20 3.7,3.9L
THE V 20 06 27 14.8 35.71N 30.88E 28–19 3.7,3.9L
IDC V 20 06 27 15.4–1.9 35.98N 31.07E 56–22 3.9L,3.6
HLW V 20 06 27 27.8 34.95N 31.32E 33–24 3.8L,0.0
ISC Event type ke.
NIC Moment Tensor Solution. $M_0$4.10000×10[14]
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.6km az=52.0.
NSSC Error ellipse: s-maj=64.1km s-min=566.1km az=-1.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=19.1km s-min=0.7km az=210.0.
IDC Error ellipse: s-maj=18.3km s-min=13.1km az=47.0.
ISC V 20 06 45 32.8–1.1 35.83N–.03 30.97E–.02 14–8 3.5b 108 1-39
ISK V 20 06 45 31.9 35.77N 30.93E 11 3.5 **¶12895828**
DDA V 20 06 45 32.6 35.79N 30.95E 20 3.3
HLW V 20 06 45 32.3 36.23N 31.14E 23–19 3.4L,3.3
CSEM V 20 06 45 33.0–.15 35.86N 30.97E 5 3.1W,3.3
NIC V 20 06 45 34.7–.00 35.98N 31.18E 7 3.6L,3.1W
IDC V 20 06 45 41.3–4.2 36.15N 30.90E 93–29 3.2b,3.1
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=38.0.
NIC Moment Tensor Solution. $M_0$3.40000×10[13]
IDC Error ellipse: s-maj=47.2km s-min=23.4km az=84.0.
ISC V 21 00 44 10.4–1.4 35.97N–.04 29.02E–.03 9–10 59 0-3
ATH V 21 00 44 09.4 36.10N 29.16E 66–5 **¶13839916**
ISCJB V 21 00 44 11.0–.78 35.89N–.04 29.09E–.04 26–6
ISK V 21 00 44 10.1 35.97N 29.09E 14 3.1
DDA V 21 00 44 11.2 36.02N 28.98E 8 3.0
CSEM V 21 00 44 11.0–.27 35.91N 29.10E 20 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=5.0km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.6km az=147.2.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.7km az=148.0.
ISC V 28 22 40 25.8–2.0 34.0N–.10 25.81E–.04 42–35 3.6b 56 1-60
IDC V 28 22 40 21.1–1.4 33.71N 25.99E 0 3.6b,3.3L **¶13679855**
ATH V 28 22 40 28.6 34.28N 25.70E 74–6 3.6b,3.3L
CSEM V 28 22 40 29.0–.63 34.18N 25.75E 60 3.6b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=20.8km az=178.0.
ATH Error ellipse: s-maj=5.9km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=16.2km s-min=5.0km az=174.0.
ATH VI 03 01 54 20.5 33.97N 27.36E 5 3.6
¶14697005
ATH Error ellipse: s-maj=13.5km s-min=5.6km az=-1.0.
ISC VI 04 09 38 43.3–1.6 33.33N–.03 33.72E–.04 6–12 68 1-5
NSSC VI 04 09 38 42.1–2.3 33.47N 33.30E 38–999 2.8L **¶15741968**
CSEM VI 04 09 38 46.5–.17 33.36N 33.72E 30 2.8L
ISC Event type ke.
NSSC Error ellipse: s-maj=11.5km s-min=33.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=108.0.
ISC VI 05 19 49 58.4–1.2 35.91N–.04 28.12E–.04 79–8 67 0-8
ISK VI 05 19 49 56.1 35.75N 28.05E 16 2.9 **¶13840341**
ISCJB VI 05 19 49 57.1–.45 35.84N–.03 28.18E–.04 91–8 2.9
CSEM VI 05 19 49 58.4–.16 35.86N 28.18E 80 3.0
DDA VI 05 19 49 58.8 36.21N 28.13E 7 3.0
ATH VI 05 19 49 59.6 36.02N 28.00E 70–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.4km az=139.7.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.4km az=62.0.
DDA Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=2.5km az=-1.0.
ISC VI 09 05 26 59.4–.56 35.98N–.03 29.16E–.02 37–1 4.3b,3.6s 726 0-89
IDC VI 09 05 26 54.4–.60 36.04N 29.08E 0 4.1,4.1 **¶13928632**
NEIC VI 09 05 26 56.0 35.96N 29.08E 16 4.7b,4.4L
ISK VI 09 05 26 57.1 36.01N 29.11E 20 4.5L,4.4L
PDA VI 09 05 26 57.4 35.90N 29.10E 10 4.4b,4.4L
ISCJB VI 09 05 26 58.3–.14 35.96N–.01 29.16E–.01 55–2 4.3b,3.9s
HLW VI 09 05 26 58.3 36.03N 29.11E 31–13 4.5L,4.4
ATH VI 09 05 26 58.9 36.14N 29.13E 43–4 4.4,4.3L
DDA VI 09 05 26 58.6 36.06N 29.07E 39 4.4L,4.3L
NSSC VI 09 05 26 58.0–1.8 36.14N 29.43E 0–246 4.0L,4.3L
CSEM VI 09 05 26 59.2–.07 35.98N 29.14E 30 4.6b,3.9W
THE VI 09 05 27 01.0 36.10N 29.15E 29–30 4.8L,3.9W
NIC VI 09 05 27 02.5–.20 36.13N 29.48E 55 4.6b,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=14.7km s-min=12.5km az=156.0.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=30.2.
ATH Error ellipse: s-maj=0.8km s-min=3.1km az=-1.0.
DDA Event type ke.
NSSC Error ellipse: s-maj=118.7km s-min=423.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=35.0.
THE Event type ke. Error ellipse: s-maj=30.3km s-min=1.5km az=34.0.
NIC Moment Tensor Solution. $M_0$6.40000×10[14]
ISC VI 11 12 03 40.6–1.3 35.88N–.05 28.31E–.04 29–9 60 0-4
ISCJB VI 11 12 03 40.6–.89 35.85N–.04 28.29E–.05 32–6 **¶13840540**
ISK VI 11 12 03 41.1 35.98N 28.38E 10 2.8
DDA VI 11 12 03 41.8 35.99N 28.29E 51 3.2
ATH VI 11 12 03 42.8 36.01N 27.92E 26–0 3.3
CSEM VI 11 12 03 42.8 36.01N 27.92E 26 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.1km az=139.3.
DDA Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 12 00 31 17.2–1.5 35.28N–.04 28.13E–.03 32–15 87 1-8

ATH VI 12 00 31 18.3 35.32N 28.06E 40–6 3.2 ¶13840562
DDA VI 12 00 31 18.6 35.45N 27.98E 28 3.2
CSEM VI 12 00 31 18.0–.18 35.25N 28.09E 30 3.2
ISK VI 12 00 31 23.5 35.86N 27.98E 23 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=6.2km s-min=5.7km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=87.0.
ISC VI 14 08 32 23.4–1.5 34.98N–.08 28.18E–.04 28 30 1-4
ISCJB VI 14 08 32 22.1–.98 34.91N–.08 28.23E–.05 28 ¶14697279
CSEM VI 14 08 32 22.8–.47 34.96N 28.19E 20 3.3
DDA VI 14 08 32 24.8 35.30N 28.28E 4 3.4
ATH VI 14 08 32 24.0 35.03N 28.09E 58–32 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.7km az=163.4.
CSEM Event type ke. Error ellipse: s-maj=13.7km s-min=6.2km az=160.0.
DDA Event type ke.
ATH Error ellipse: s-maj=9.0km s-min=7.4km az=-1.0.
ISC VI 16 22 15 45.2–1.3 35.29N–.05 28.50E–.04 53–29 78 1-8
ISK VI 16 22 15 43.0 35.19N 28.50E 64 3.6 ¶13840775
ISCJB VI 16 22 15 44.6–.39 35.26N–.04 28.60E–.04 66–17 3.6
CSEM VI 16 22 15 45.8–.16 35.30N 28.58E 30 3.5
ATH VI 16 22 15 47.0 35.37N 28.26E 22–3 3.5
DDA VI 16 22 15 48.4 35.53N 28.62E 54 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.7km az=20.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=46.0.
ATH Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0.
DDA Event type ke.
ISC VI 18 04 26 14.4–.31 35.34N–.01 28.54E–.01 33–2 4.9b,4.4s 1289 1-125
IDC VI 18 04 26 09.1–.36 35.50N 28.41E 0 4.8,4.8b ¶13469997
ISK VI 18 04 26 11.8 35.25N 28.44E 73 4.7L,4.8b
BJI VI 18 04 26 11.5 35.44N 28.27E 34 5.0b,4.8s
MOS VI 18 04 26 11.3–1.1 35.32N 28.39E 27 5.1b,4.3s
PDG VI 18 04 26 11.6–.63 35.22N 28.59E 17–2 4.7L,4.3s
ISCJB VI 18 04 26 12.4–.17 35.29N–.01 28.53E–.01 37–1 4.8b,4.4s
HLW VI 18 04 26 13.6 35.32N 28.59E 32–11 5.2L,4.6
CSEM VI 18 04 26 14.8–.07 35.29N 28.59E 60 4.7b,4.4W
NEIC VI 18 04 26 14.7–.41 35.38N 28.41E 40–3 5.0b,4.4W
ATH VI 18 04 26 14.8 35.43N 28.46E 68–2 4.7L,4.4W
BEO VI 18 04 26 15.7 34.97N 29.14E 0 4.7L,4.4W
PDA VI 18 04 26 15.0 35.40N 28.50E 38 4.7b,4.4W
THE VI 18 04 26 15.4 35.38N 28.55E 22–2 5.0L,4.4W
NIC VI 18 04 26 15.0–.20 35.16N 28.76E 111 4.8b,4.5L
GCMT VI 18 04 26 15.9–.20 35.10N 28.61E 28–0 5.0W,4.5L
SZGRF VI 18 04 26 16.0 36.41N 29.42E 10 5.0W,4.5L
DDA VI 18 04 26 16.9 35.67N 28.60E 31 4.6L,4.5L
NSSC VI 18 04 26 16.5–6.0 35.19N 29.03E 1–340 4.0L,2.8
DJA VI 18 04 26 29.2–1.5 35N–5.0 29E–10 119–11 5.8,5.4
TIR VI 18 04 27 24.7 38.74N 22.67E 7 5.8,5.4
ISC Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=9.2km az=131.0.
MOS Error ellipse: s-maj=4.7km s-min=2.7km az=112.9.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=23.2.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=26.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=191.0.
ATH Error ellipse: s-maj=1.5km s-min=1.7km az=-1.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=122.0.
NIC Moment Tensor Solution. $M_0$4.70000×10^{14}
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s40,c48; s60,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.31±.18 $M_{\theta\theta}$1.71±.12; $M_{\phi\phi}$1.60±.13; $M_{r\theta}$-0.63±.19; $M_{\theta\phi}$2.60±.09; $M_{\phi r}$-2.18±.21; Best double couple: NP1:ϕ_s246.00000°,δ34.00000°,λ-58.00000°. NP2:ϕ_s28.00000°,δ61.00000°,λ-110.00000°. Principal axes: T 4.7500,Plg14.0000° ,Azm133.0000°; N -0.5900,Plg17.0000°,Azm38.0000°; P -4.1600,Plg67.0000° ,Azm260.0000° $M_0$4.50000×10^{16}
SZGRF Turkey.
DDA Event type ke.
NSSC Error ellipse: s-maj=51.5km s-min=613.1km az=-1.0.
ISC VI 18 04 36 26.7–.91 35.33N–.04 28.55E–.03 39–5 3.7b 134 1-43
IDC VI 18 04 36 21.7–1.1 35.32N 28.48E 0 3.7,3.7b ¶13354694
ISK VI 18 04 36 24.3 35.26N 28.47E 28 3.7L,3.7b
ATH VI 18 04 36 25.7 35.33N 28.52E 110–4 3.7L,3.7b
ISCJB VI 18 04 36 25.2–.34 35.24N–.03 28.56E–.02 47–7 3.5b,3.7b
CSEM VI 18 04 36 27.0–.14 35.31N 28.56E 70–7 3.1W,3.7b
DDA VI 18 04 36 27.2 35.52N 28.51E 28 3.6L,3.7b
NIC VI 18 04 36 28.7–.10 35.10N 28.75E 51 3.3L,3.1W
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=18.9km az=170.0.
ATH Error ellipse: s-maj=2.4km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=17.6.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=22.0.
DDA Event type ke.
NIC Moment Tensor Solution. $M_0$3.20000×10^{13}
ISC VI 18 04 57 33.2–1.3 35.63N–.05 28.37E–.03 49–20 41 1-5
DDA VI 18 04 57 31.1 35.61N 28.60E 36 3.4L ¶13354695
ATH VI 18 04 57 31.2 35.54N 28.34E 59–5 3.3
ISCJB VI 18 04 57 32.3–.59 35.61N–.05 28.28E–.04 67–12 3.3
CSEM VI 18 04 57 36.8–.24 35.72N 27.97E 40 3.0W
NIC VI 18 04 57 47.9–.10 35.36N 28.98E 75 3.1L,3.0W
ISC Event type ke.
DDA Event type ke.
ATH Error ellipse: s-maj=3.1km s-min=3.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.5km az=159.4.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.6km az=175.0.
NIC Moment Tensor Solution. $M_0$2.50000×10^{13}
ISC VI 18 06 10 12.7–1.6 35.53N–.08 28.43E–.06 61–18 28 1-2
ATH VI 18 06 10 09.5 35.42N 28.56E 41–14 3.2 ¶14697359
ISCJB VI 18 06 10 12.0–1.2 35.55N–.09 28.41E–.09 74–15 3.2
CSEM VI 18 06 10 12.3–.51 35.48N 28.48E 40 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=6.7km s-min=8.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=17.7km s-min=6.3km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=14.4km s-min=5.9km az=146.0.
ISC VI 18 06 31 07.5–.60 35.32N–.03 28.58E–.02 31–4 4.2b 567 1-115
IDC VI 18 06 31 03.2–.50 35.41N 28.46E 0 4.3,4.2L ¶13208484
MOS VI 18 06 31 05.0–1.2 35.31N 28.43E 21 4.4b,4.2L
ISK VI 18 06 31 05.4 35.16N 28.46E 71 4.1L,4.2L
ISCJB VI 18 06 31 06.8–.20 35.24N–.02 28.58E–.02 45–3 4.2b,3.1s
DDA VI 18 06 31 06.7 35.38N 28.47E 20 3.7,3.1s
HLW VI 18 06 31 06.9 35.38N 28.63E 31–15 4.5L,4.3
NSSC VI 18 06 31 08.9–2.1 35.81N 29.10E 10–350 3.3L,4.3
CSEM VI 18 06 31 08.5–.07 35.28N 28.54E 40 4.1b,3.6W
NEIC VI 18 06 31 08.3–.54 35.32N 28.47E 35–5 4.3b,3.6W
ATH VI 18 06 31 09.2 35.50N 28.39E 77–3 4.3b,3.6W
THE VI 18 06 31 09.8 35.37N 28.56E 47–4 4.2L,3.6W
NIC VI 18 06 31 11.6–.20 35.64N 28.97E 86 4.3b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=12.8km s-min=12.2km az=175.0.
MOS Error ellipse: s-maj=7.4km s-min=4.5km az=118.5.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=20.4.
DDA Event type ke.
NSSC Error ellipse: s-maj=62.2km s-min=418.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=32.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.1km az=189.0.
ATH Error ellipse: s-maj=2.1km s-min=2.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.1km az=319.0.
NIC Moment Tensor Solution. $M_0$9.40000×10^{13}
ISC VI 18 12 10 53.1–1.5 35.36N–.07 28.50E–.04 32–13 55 1-5
ATH VI 18 12 10 51.0 35.31N 28.53E 35–5 3.5 ¶13840889
CSEM VI 18 12 10 52.6–.58 35.38N 28.48E 20 3.5
ISCJB VI 18 12 10 53.2–1.4 35.39N–.07 28.46E–.05 32–12 3.5
DDA VI 18 12 10 54.2 35.64N 28.49E 28 3.2
ISK VI 18 12 10 58.8 35.74N 28.54E 23 3.3
ISC Event type ke.
ATH Error ellipse: s-maj=6.4km s-min=4.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=15.2km s-min=5.2km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=4.3km az=152.5.
DDA Event type ke.
ISC VI 18 14 03 28.1–.30 35.31N–.02 28.51E–.02 29–1 4.5b,3.7s 897 1-125
ATH VI 18 14 03 20.9 35.16N 29.22E 85–18 4.5b,3.7s ¶13208485
IDC VI 18 14 03 24.2–.44 35.49N 28.44E 0 4.5,4.5b
BJI VI 18 14 03 24.8 35.12N 28.15E 38 4.9b,4.7b
DDA VI 18 14 03 26.5 35.11N 28.34E 58 4.4,4.7b
MOS VI 18 14 03 26.7–1.2 35.22N 28.44E 33 4.8b,4.7b
ISK VI 18 14 03 27.1 35.26N 28.51E 40 4.2L,4.7b
PDG VI 18 14 03 27.9–.65 35.35N 28.57E 26–3 4.5L,4.7b
HLW VI 18 14 03 27.5 35.42N 28.52E 31–13 4.4L,4.1
ISCJB VI 18 14 03 27.6–.19 35.26N–.02 28.54E–.01 42–2 4.4b,3.7s
NEIC VI 18 14 03 28.5–.26 35.39N 28.51E 30 4.7b,3.7s
CSEM VI 18 14 03 29.5–.10 35.31N 28.55E 47–1 4.4b,3.7W
PDA VI 18 14 03 29.7 35.20N 28.60E 50 4.6b,3.7W
TEH VI 18 14 03 29.7 35.23N 28.58E 51 4.6L,3.7W
THE VI 18 14 03 30.6 35.41N 28.54E 47–3 4.6L,3.7W
NIC VI 18 14 03 33.3–.20 35.43N 28.96E 51 4.5b,4.2L
SZGRF VI 18 14 03 35.7 35.53N 27.36E 10 4.2b,4.2L
ISC Event type ke.
ATH Error ellipse: s-maj=7.8km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=12.2km s-min=10.9km az=155.0.
DDA Event type ke.
MOS Error ellipse: s-maj=5.5km s-min=3.0km az=117.1.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=27.5.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=185.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=32.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=349.0.
NIC Moment Tensor Solution. $M_0$3.00000×10^{14}
SZGRF Dodecanese Islands, Greece.
ISC VI 18 23 31 52.5–1.3 35.24N–.05 28.73E–.04 37 38 1-8
ISK VI 18 23 31 49.2 35.11N 28.81E 14 3.5 ¶13840896
CSEM VI 18 23 31 49.8–.25 35.22N 28.75E 2 3.5
ISCJB VI 18 23 31 51.6–.45 35.15N–.04 28.75E–.05 37 3.5
ATH VI 18 23 31 55.6 35.83N 28.19E 90 3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=6.2km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=32.2.
ISC VI 19 02 09 36.7–1.3 35.40N–.05 28.55E–.04 36 48 1-7
ISK VI 19 02 09 27.2 34.92N 28.39E 30 3.5 ¶13840939
ISCJB VI 19 02 09 34.7–.44 35.35N–.03 28.65E–.04 36 3.5
CSEM VI 19 02 09 36.3–.21 35.32N 28.59E 30 3.1
DDA VI 19 02 09 37.6 35.50N 28.46E 54 3.0
ATH VI 19 02 09 43.5 36.12N 27.57E 31–0 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.4km az=6.1.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.3km az=106.0.
DDA Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISC VI 19 04 10 34.4–.83 35.40N–.03 28.58E–.02 32–6 4.0b,3.1s 330 1-80
MOS VI 19 04 10 30.4–2.2 34.90N 28.42E 33 4.1b,3.1s ¶13383510
HLW VI 19 04 10 31.8 35.47N 28.63E 31–16 3.8L,3.6
ISK VI 19 04 10 31.7 35.23N 28.55E 32 4.1L,3.6
DDA VI 19 04 10 32.6 35.33N 28.45E 35 3.8L,3.6
ISCJB VI 19 04 10 33.0–.23 35.26N–.02 28.59E–.02 51–3 3.9b,3.1s
IDC VI 19 04 10 34.6–2.0 35.32N 28.52E 40–20 3.8,3.8L
CSEM VI 19 04 10 34.6–.09 35.30N 28.56E 40 3.9L,3.4W
THE VI 19 04 10 35.2 35.41N 28.65E 29–24 3.9L,3.4W
ATH VI 19 04 10 36.0 35.51N 28.38E 63–8 3.9L,3.4W
NIC VI 19 04 10 38.6–.10 35.40N 28.97E 55 4.0b,3.6L
ISC Event type ke.
MOS Error ellipse: s-maj=12.1km s-min=5.5km az=99.1.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=23.7.
IDC Error ellipse: s-maj=16.6km s-min=15.8km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=39.0.
THE Event type ke. Error ellipse: s-maj=24.5km s-min=1.1km az=74.0.
ATH Error ellipse: s-maj=4.9km s-min=5.6km az=-1.0.
NIC Moment Tensor Solution. $M_0$8.90000×10^{13}
ISC VI 19 14 04 05 00.4–.15 35.32N–.01 28.48E–.01 41–1 5.5s,5.5b 2381 1-168
BGS VI 19 14 04 43.8–1.8 34.17N 29.85E 33 5.4s,5.3b ¶13197437
SZGRF VI 19 14 04 54.0 35.66N 28.68E 33 5.4b,5.3s
NSSC VI 19 14 04 56.4–1.6 35.35N 28.62E 0–126 4.9L,2.3
MOS VI 19 14 04 56.1–1.1 35.22N 28.36E 23 5.7b,5.5s
ISK VI 19 14 04 56.2 35.07N 28.38E 41 5.7L,5.5s
DDA VI 19 14 04 57.0 35.25N 28.30E 24 5.6L,5.5s
HLW VI 19 14 04 57.7 35.44N 28.59E 32–10 5.6L,5.1
ISCJB VI 19 14 04 58.9–.15 35.27N–.01 28.466E–.01 44–1 5.5s,5.4b
BJI VI 19 14 04 58.1 35.56N 28.19E 37 5.7b,5.6s
IGIL VI 19 14 04 58.8 35.21N 28.40E 40 5.3b,5.6s
NEIC VI 19 14 04 59.0–.15 35.36N 28.45E 28 5.8W,5.7L
IDC VI 19 14 04 59.8–2.4 35.49N 28.39E 27–16 5.4s,5.4
PDA VI 19 14 04 59.5 35.40N 28.40E 32 5.9b,5.4
CSEM VI 19 14 04 59.5–.06 35.23N 28.47E 33 5.7W,5.5b
PDG VI 19 14 05 00.0–.48 35.36N 28.51E 28–2 5.4L,5.5b
SFS VI 19 14 05 00.0 35.38N 28.39E 40 5.9L,5.5b
THE VI 19 14 05 01.3 35.32N 28.58E 31–7 5.5L,5.5b
TEH VI 19 14 05 01.0 35.61N 28.39E 40 5.9L,5.5b
ATH VI 19 14 05 02.3 35.46N 28.31E 42–2 5.4L,5.5b
NIC VI 19 14 05 03.1–.20 35.38N 28.76E 25 5.5L,5.5b
GCMT VI 19 14 05 04.3–.10 35.11N 28.49E 22 5.7W,5.5b
ISC Event type fe.
BGS Error ellipse: s-maj=689.8km s-min=590.7km az=-1.0.
SZGRF Eastern Mediterranean Sea.
NSSC Error ellipse: s-maj=20.4km s-min=228.6km az=-1.0.
MOS Error ellipse: s-maj=4.2km s-min=2.3km az=108.1.
DDA Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.2km az=20.5.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.6km az=200.0. Felt [III] at Izmir, Turkey. Also felt at Alanya and Kusadasi. Felt [II] at Cairo, Egypt. Also felt at Alexandria and Al Jizah. Felt at Bucharest, Romania; Limassol, Cyprus; Rhodes, Greece. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s250.00000°,δ60.00000° ,λ-50.00000°. NP2:ϕ_s11.00000°,δ48.00000°,λ-138.00000°. Principal axes: T Plg7.0000° ,Azm313.0000°; N Plg0.0000°,Azm0.0000°; P Plg55.0000°,Azm213.0000° Moment Tensor Solution. s65 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.71 $M_{\theta\theta}$1.50 $M_{\phi\phi}$1.21 $M_{r\theta}$0.39 $M_{\theta\phi}$2.87 $M_{\phi r}$-0.92 Best double couple: NP1:ϕ_s21.00000°,δ54.00000°,λ-126.00000°. NP2:ϕ_s253.00000° ,δ49.00000°,λ-51.00000°. Principal axes: T 4.2500,Plg2.0000°,Azm135.0000° ; N -1.0100,Plg28.0000°,Azm44.0000°; P -3.2400,Plg61.0000°,Azm231.0000° $M_0$3.80000×10^{17}
IDC Error ellipse: s-maj=9.9km s-min=9.4km az=160.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=25.0.
PDG Event type ke. Error ellipse: s-maj=1.9km s-min=2.8km az=0.0.
SFS Event type ke.
THE Event type ke. Error ellipse: s-maj=7.2km s-min=0.9km az=73.0.
ATH Error ellipse: s-maj=1.4km s-min=3.0km az=-1.0.
NIC Moment Tensor Solution. $M_0$2.60000×10^{15}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=222, per= 50. Moment Tensor Solution. s93,c172; s61,c74; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.71±.07 $M_{\theta\theta}$1.76±.05; $M_{\phi\phi}$1.94±.06; $M_{r\theta}$-0.10±.10; $M_{\theta\phi}$3.73±.05; $M_{\phi r}$-1.70±.11; Best double couple: NP1:ϕ_s248.00000°,δ42.00000°,λ-54.00000°. NP2:ϕ_s23.00000°,δ57.00000°,λ-118.00000°. Principal axes: T 5.7600,Plg8.0000°,Azm133.0000°; N -1.4000,Plg24.0000°,Azm40.0000° ; P -4.3700,Plg65.0000°,Azm240.0000° $M_0$5.10000×10^{17}

ISC VI 19 14 13 17.7–1.8 35.27N–.07 28.68E–.05 30–14 68 1-4
ISK VI 19 14 13 16.1 35.21N 28.68E 22 3.5 **¶13840956**
CSEM VI 19 14 13 18.1–.38 35.22N 28.65E 30 3.5
DDA VI 19 14 13 28.6 36.29N 28.61E 44 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=4.5km az=23.0.
DDA Event type ke.
ISC VI 19 14 15 51.3–1.1 35.0N–.10 28.51E–.06 36 3.8b 28 2-42
ISK VI 19 14 15 44.9 34.93N 28.54E 5 3.8,3.8L **¶13681664**
ISCJB VI 19 14 15 49.9–.81 34.98N–.08 28.55E–.05 36 3.7b,3.8L
IDC VI 19 14 15 49.4–1.7 35.65N 28.29E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.8km az=6.5.
IDC Error ellipse: s-maj=47.2km s-min=24.9km az=151.0.
ISC VI 19 14 24 42.8–.77 35.39N–.04 28.56E–.02 45–8 3.9b 236 1-115
IDC VI 19 14 24 36.8–.84 35.38N 28.46E 0 4.0,4.0b **¶13208509**
ISK VI 19 14 24 39.2 35.39N 28.54E 18 3.9,3.9L
ISCJB VI 19 14 24 41.2–.32 35.37N–.03 28.56E–.02 61–4 3.9b,3.9L
CSEM VI 19 14 24 42.5–.12 35.39N 28.55E 60 3.9L,3.3W
DDA VI 19 14 24 42.5 35.49N 28.63E 27 3.4,3.3W
ATH VI 19 14 24 43.8 35.53N 28.37E 63–4 3.4,3.3W
THE VI 19 14 24 45.5 35.48N 28.40E 48–3 3.9L,3.3W
NIC VI 19 14 24 46.9–.10 35.31N 28.89E 25 4.3b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=19.5km s-min=15.8km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=23.0.
DDA Event type ke.
ATH Error ellipse: s-maj=3.5km s-min=3.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=126.0.
NIC Moment Tensor Solution. $M_0$7.00000×10^{13}
ISC VI 19 14 33 36.6–.76 35.34N–.03 28.57E–.02 32–5 4.4b 809 1-115
NSSC VI 19 14 33 28.6–2.5 35.41N 28.64E 5–999 3.4L,2.4 **¶13928690**
BJI VI 19 14 33 30.7 34.65N 27.97E 40 4.6b,2.4
ISK VI 19 14 33 31.6 35.07N 28.33E 83 4.1L,2.4
MOS VI 19 14 33 34.2–1.1 35.33N 28.47E 28 4.5b,2.4
ISCJB VI 19 14 33 35.2–.20 35.31N–.02 28.60E–.01 43–2 5.0s,4.3b
IDC VI 19 14 33 35.6–5.3 35.39N 28.48E 23–35 4.3s,4.3
HLW VI 19 14 33 35.8 35.33N 28.58E 31–15 4.5L,4.2
CSEM VI 19 14 33 36.9–.08 35.34N 28.58E 40 4.4b,3.7W
DDA VI 19 14 33 36.1 35.46N 28.74E 29 3.9,3.7W
NEIC VI 19 14 33 37.4–.36 35.39N 28.54E 42–4 4.5b,4.1
THE VI 19 14 33 38.9 35.42N 28.58E 39–2 4.4L,4.1
ATH VI 19 14 33 41.3 35.62N 28.18E 46–34 4.1,4.1
NIC VI 19 14 33 41.2–.20 35.23N 28.95E 39 4.4b,4.0L
SZGRF VI 19 14 33 43.2 35.75N 27.93E 10 4.3b,4.0L
ISC Event type ke.
NSSC Error ellipse: s-maj=64.1km s-min=679.8km az=-1.0.
MOS Error ellipse: s-maj=5.5km s-min=3.2km az=115.7.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=17.0.
IDC Error ellipse: s-maj=10.7km s-min=10.3km az=124.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=28.0.
DDA Event type ke.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.3km az=189.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.7km az=344.0.
ATH Error ellipse: s-maj=6.7km s-min=13.1km az=-1.0.
NIC Moment Tensor Solution. $M_0$2.90000×10^{14}
SZGRF Dodecanese Islands, Greece.
ISC VI 19 14 48 52.3–1.4 35.32N–.05 28.52E–.03 20–6 87 1-4
ISCJB VI 19 14 48 53.0–.95 35.33N–.05 28.52E–.04 24–9 **¶13840958**
ISK VI 19 14 48 52.9 35.31N 28.57E 28 3.7
CSEM VI 19 14 48 54.0–.31 35.37N 28.54E 20 3.6L
DDA VI 19 14 48 54.9 35.47N 28.55E 30 3.3
THE VI 19 14 48 58.9 35.58N 28.28E 14–3 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.2km az=12.2.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.5km az=7.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=5.4km s-min=1.1km az=98.0.
ISC VI 19 14 53 01.8–3.0 34.6N–.20 28.2E–.10 10 22 2-4
ISK VI 19 14 52 58.9 34.39N 28.15E 12 3.7 **¶13840959**
DDA VI 19 14 53 26.5 36.39N 28.71E 7 3.3
CSEM VI 19 14 53 26.5 36.39N 28.71E 7 3.3
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VI 19 15 40 31.5–1.0 35.26N–.03 28.54E–.03 41–15 3.6b 157 1-41
ISK VI 19 15 40 24.6 35.08N 28.43E 5 3.9 **¶13354697**
IDC VI 19 15 40 25.5–1.6 35.17N 28.50E 0 3.9,3.9s
DDA VI 19 15 40 29.2 35.42N 28.72E 9 3.6,3.9s
ISCJB VI 19 15 40 30.3–.32 35.21N–.02 28.53E–.03 55–6 3.8s,3.5b
CSEM VI 19 15 40 31.7–.16 35.25N 28.50E 40 3.3W,3.5b
HLW VI 19 15 40 32.8 35.43N 28.79E 32–15 3.6,3.5L
ATH VI 19 15 40 33.5 35.64N 28.42E 81–14 3.6,3.5L
NIC VI 19 15 40 35.6–.20 35.45N 28.94E 56 4.0b,3.6L
THE VI 19 15 40 36.3 35.54N 28.36E 29–23 3.7L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=19.3km az=24.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=36.3.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=47.0.
ATH Error ellipse: s-maj=23.8km s-min=17.5km az=-1.0.
NIC Moment Tensor Solution. $M_0$7.20000×10^{13}
THE Event type ke. Error ellipse: s-maj=23.6km s-min=1.1km az=120.0.
ISC VI 19 15 48 16.2–.70 35.30N–.03 28.61E–.02 48–9 3.7b 237 1-115
ISK VI 19 15 48 10.9 35.27N 28.59E 7 3.9 **¶13354698**
IDC VI 19 15 48 10.3–.92 35.33N 28.62E 0 4.0L,3.9
HLW VI 19 15 48 12.8 35.47N 28.59E 32–16 3.9,3.8L
ISCJB VI 19 15 48 14.3–.23 35.27N–.02 28.61E–.02 54–4 4.0s,3.7b
CSEM VI 19 15 48 15.8–.09 35.32N 28.60E 54–2 3.9L,3.3W
DDA VI 19 15 48 16.7 35.53N 28.59E 8 3.6,3.3W
THE VI 19 15 48 17.1 35.42N 28.64E 53–5 3.9L,3.3W
ATH VI 19 15 48 17.3 35.55N 28.42E 70–3 3.9L,3.3W
NIC VI 19 15 48 20.0–.20 35.19N 29.04E 101 4.3b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=19.6km s-min=15.3km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=24.8.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=36.0.
DDA Event type ke.
THE Event type ke. Error ellipse: s-maj=5.2km s-min=1.1km az=308.0.
ATH Error ellipse: s-maj=3.0km s-min=3.5km az=-1.0.
NIC Moment Tensor Solution. $M_0$7.40000×10^{13}
ISC VI 19 19 04 57.1–2.1 35.32N–.09 28.52E–.07 27–16 54 1-4
ISK VI 19 19 04 54.8 35.27N 28.58E 15 3.6 **¶13840966**
ISCJB VI 19 19 04 55.8–1.8 35.28N–.07 28.58E–.06 18–15 3.6
CSEM VI 19 19 04 56.3–.73 35.26N 28.50E 20 3.2
DDA VI 19 19 05 00.1 35.58N 28.60E 30 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=6.6km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=18.3km s-min=5.5km az=37.0.
DDA Event type ke.
ISC VI 19 21 22 11.4–1.3 35.29N–.03 28.61E–.02 26–11 3.5b 184 1-57
NSSC VI 19 21 22 08.8–2.2 35.26N 28.65E 0–369 2.9L,2.0 **¶13354699**
IDC VI 19 21 22 08.2–1.0 35.35N 28.49E 0 3.7b,3.6
ISK VI 19 21 22 11.2 35.30N 28.61E 59 3.8,3.6
HLW VI 19 21 22 11.5 35.25N 28.64E 23–15 3.5,3.4L
ATH VI 19 21 22 13.1 35.43N 28.55E 45 4.0,3.4L
CSEM VI 19 21 22 13.5–.13 35.36N 28.62E 60 3.0W,3.4L
DDA VI 19 21 22 13.1 35.39N 28.59E 47 3.6,3.4L
NIC VI 19 21 22 17.4–.20 35.33N 28.98E 55 4.1b,3.6L
ISC Event type ke.
NSSC Error ellipse: s-maj=58.8km s-min=671.0km az=-1.0.
IDC Error ellipse: s-maj=21.3km s-min=17.0km az=10.0.
ATH Error ellipse: s-maj=6.4km s-min=7.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=14.0.
DDA Event type ke.
NIC Moment Tensor Solution. $M_0$2.10000×10^{13}
ISC VI 19 21 49 40.3–1.4 35.29N–.03 28.59E–.03 36–2 3.4b 155 1-41
NSSC VI 19 21 49 36.8–2.1 35.66N 28.84E 0–327 2.8L,2.2 **¶13354700**
IDC VI 19 21 49 36.5–1.7 35.51N 28.30E 0 3.5,3.5b
ISK VI 19 21 49 36.6 35.32N 28.57E 7 3.8,3.5b
CSEM VI 19 21 49 39.8–.17 35.32N 28.59E 20 3.0W,3.5b
DDA VI 19 21 49 39.9 35.41N 28.52E 34 3.4,3.5b
ISCJB VI 19 21 49 39.0–.32 35.23N–.02 28.63E–.03 50–9 3.4b,3.5b
ATH VI 19 21 49 40.2 35.42N 28.61E 43–33 4.0,3.5b
HLW VI 19 21 49 42.5 35.09N 28.81E 32–13 3.5,3.4L
NIC VI 19 21 49 46.2–.30 35.04N 29.04E 36 4.1b,3.6L
ISC Event type ke.
NSSC Error ellipse: s-maj=79.2km s-min=594.8km az=-1.0.
IDC Error ellipse: s-maj=57.5km s-min=26.6km az=139.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=7.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=20.7.
ATH Error ellipse: s-maj=9.1km s-min=15.7km az=-1.0.
NIC Moment Tensor Solution. $M_0$2.50000×10^{13}
ISC VI 21 00 51 28.9–1.2 35.29N–.04 28.56E–.03 32–12 92 1-8
DDA VI 21 00 51 28.1 35.29N 28.46E 9 3.3 **¶13841116**
ISK VI 21 00 51 28.0 35.30N 28.53E 70 3.6
CSEM VI 21 00 51 29.8–.19 35.32N 28.53E 30 3.3
ATH VI 21 00 51 38.2 36.02N 27.72E 32 3.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=59.0.
ISC VI 21 01 06 19.3–1.5 35.32N–.04 28.59E–.03 37–2 3.4b 159 1-33
IDC VI 21 01 06 14.6–1.3 35.37N 28.56E 0 3.7,3.7b **¶13681752**
ISK VI 21 01 06 16.5 35.23N 28.45E 64 3.7,3.7b
DDA VI 21 01 06 17.9 35.27N 28.52E 11 3.4,3.7b
ISCJB VI 21 01 06 18.2–.26 35.28N–.02 28.62E–.03 55–8 3.4b,3.7b
ATH VI 21 01 06 19.3 35.54N 28.51E 83–1 3.4b,3.7b
CSEM VI 21 01 06 19.8–.09 35.33N 28.58E 40 3.0L,3.7b
THE VI 21 01 06 21.2 35.41N 28.55E 47–4 3.0L,3.7b
HLW VI 21 01 06 23.8 35.08N 28.68E 32–15 3.4L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=22.6km az=21.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=13.9.
ATH Error ellipse: s-maj=1.8km s-min=2.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=73.0.
THE Event type ke. Error ellipse: s-maj=5.0km s-min=1.2km az=335.0.
ISC VI 21 14 19 40.5–1.8 35.10N–.09 28.44E–.06 10 44 2-4
ISCJB VI 21 14 19 41.2–1.1 35.10N–.08 28.51E–.08 10 **¶13841153**
CSEM VI 21 14 19 41.8–.44 35.09N 28.46E 10 3.0
ISK VI 21 14 19 41.3 35.02N 28.44E 24 3.7
DDA VI 21 14 19 50.5 35.89N 28.37E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=7.7km az=35.8.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=5.4km az=31.0.
DDA Event type ke.
ISC VI 21 15 17 41.7–1.3 35.24N–.03 28.53E–.02 21–4 93 1-7
ISK VI 21 15 17 39.1 35.00N 28.33E 29 3.6 **¶13359849**
ATH VI 21 15 17 41.7 35.24N 28.51E 18–3 3.3
THE VI 21 15 17 44.9 35.36N 28.58E 46–13 2.9L
DDA VI 21 15 17 44.5 35.47N 28.44E 41 3.2
CSEM VI 21 15 17 44.1–.17 35.25N 28.58E 40 3.1W
NIC VI 21 15 17 46.1–.20 34.94N 28.85E 91 3.1W,3.0L
HLW VI 21 15 17 47.5 34.96N 28.60E 31–18 3.3,3.2L
ISC Event type ke.
ATH Error ellipse: s-maj=3.7km s-min=3.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=14.4km s-min=1.5km az=328.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=15.0.
NIC Moment Tensor Solution. $M_0$3.90000×10^{13}
ISC VI 22 05 18 52.7–3.2 35.44N–.07 28.45E–.04 0–24 40 1-4
ISCJB VI 22 05 18 54.2–1.6 35.44N–.07 28.45E–.06 11–13 **¶14697440**
ATH VI 22 05 18 54.3 35.36N 28.54E 32–8 3.6
CSEM VI 22 05 18 54.8–.33 35.48N 28.47E 10 3.6
DDA VI 22 05 18 56.7 35.75N 28.40E 14 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=4.8km az=147.1.
ATH Error ellipse: s-maj=2.7km s-min=3.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=3.9km az=153.0.
DDA Event type ke.
ISC VI 23 04 49 22.4–.90 35.95N–.03 30.08E–.02 31–6 4.3b,3.3s 383 0-80
MOS VI 23 04 49 17.6–1.2 35.49N 30.03E 33 4.6b,3.3s **¶13256619**
DDA VI 23 04 49 18.6 35.78N 30.05E 18 4.5L,3.3s
CSEM VI 23 04 49 21.9–.10 35.97N 30.06E 15 4.2W,4.0
ATH VI 23 04 49 21.3 36.06N 29.91E 18–1 4.0,4.0
NEIC VI 23 04 49 21.0 35.97N 30.05E 12 4.5b,4.2L
NSSC VI 23 04 49 21.5–3.1 35.96N 30.24E 0–251 3.4L,4.2L
HLW VI 23 04 49 21.3 36.25N 30.08E 33–12 4.3L,4.1
IDC VI 23 04 49 23.9–1.4 36.01N 30.16E 46–15 4.1L,3.9
NIC VI 23 04 49 24.1–.30 36.01N 30.20E 15 4.4b,4.1L
THE VI 23 04 49 24.8 36.01N 30.02E 36–10 4.3L,4.1L
ISC Event type ke.
MOS Error ellipse: s-maj=7.9km s-min=4.7km az=95.3.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.2km az=32.0.
ATH Error ellipse: s-maj=2.5km s-min=2.1km az=-1.0.
NEIC Event type se. After ISK.
NSSC Error ellipse: s-maj=83.0km s-min=449.3km az=-1.0.
IDC Error ellipse: s-maj=12.1km s-min=11.0km az=75.0.
NIC Moment Tensor Solution. $M_0$7.00000×10^{14}
THE Event type ke. Error ellipse: s-maj=10.4km s-min=1.6km az=169.0.
ISC VI 24 19 17 05.8–2.1 35.76N–.09 29.49E–.05 19–4 19 0-3
DDA VI 24 19 17 04.7 35.73N 29.40E 7 3.3 **¶13841371**
CSEM VI 24 19 17 09.9 37.30N 29.60E 10 2.9
ISK VI 24 19 17 09.9 37.30N 29.60E 10 2.9
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VI 24 21 10 15.6–1.3 35.85N–.04 28.24E–.03 5–10 68 0-4
ISCJB VI 24 21 10 13.9–1.2 35.80N–.04 28.22E–.04 0–9 **¶13841374**
ISK VI 24 21 10 14.1 35.77N 28.24E 10 3.2
ATH VI 24 21 10 15.7 35.82N 28.19E 15–4 3.3
CSEM VI 24 21 10 16.0–.30 35.86N 28.27E 10 3.3
DDA VI 24 21 10 19.6 36.13N 28.35E 5 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=150.1.
ATH Error ellipse: s-maj=3.9km s-min=5.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.7km az=147.0.
DDA Event type ke.
ISC VI 25 02 29 10.2–1.1 35.27N–.03 28.61E–.03 36–3 3.5b 227 1-55
IDC VI 25 02 29 05.1–1.1 35.39N 28.60E 0 4.3,4.3s **¶13360067**
ISK VI 25 02 29 06.3 35.19N 28.53E 25 3.7L,4.3s
ISCJB VI 25 02 29 08.5–.24 35.26N–.02 28.62E–.02 50–7 4.4s,3.4b
ATH VI 25 02 29 09.1 35.37N 28.56E 40–0 3.7,3.4b
CSEM VI 25 02 29 10.3–.08 35.29N 28.62E 40 3.2W,3.4b
NIC VI 25 02 29 10.2–.10 35.18N 28.76E 71 3.5L,3.2W
HLW VI 25 02 29 11.4 35.27N 28.60E 32–17 3.4,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=17.6km az=12.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=7.4.

ATH Error ellipse: s-maj=0.6km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=14.0.
NIC Moment Tensor Solution. $M_0$4.40000×10^{13}
ISC VI 25 21 33 58.4–1.3 35.38N–.03 28.60E–.02 30–11 3.5b 167 1-41
IDC VI 25 21 33 54.7–1.4 35.49N 28.62E 0 3.5,3.5b **¶13360204**
ISK VI 25 21 33 56.2 35.31N 28.57E 25 3.4L,3.5b
DDA VI 25 21 33 57.1 35.49N 28.39E 7 3.5,3.5b
CSEM VI 25 21 33 57.6–.17 35.33N 28.61E 20 3.2W,3.5b
ISCJB VI 25 21 33 57.7–.34 35.33N–.03 28.63E–.02 43–10 3.4b,3.5b
ATH VI 25 21 33 57.9 35.38N 28.51E 27–4 3.7,3.5b
NIC VI 25 21 33 58.4–.10 35.41N 28.65E 20 3.2L,3.2W
THE VI 25 21 34 00.1 35.47N 28.40E 5–3 3.2L,3.2W
HLW VI 25 21 34 04.7 34.80N 28.91E 15–10 3.3L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=23.0km az=124.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=0.8.
ATH Error ellipse: s-maj=3.7km s-min=4.2km az=-1.0.
NIC Moment Tensor Solution. $M_0$4.80000×10^{13}
THE Event type ke. Error ellipse: s-maj=4.3km s-min=0.8km az=91.0.
ISC VI 26 03 30 49.3–1.5 35.33N–.07 28.55E–.06 49–58 20 1-8
ISCJB VI 26 03 30 47.5–.44 35.30N–.04 28.56E–.06 73–22 **¶13841544**
ISK VI 26 03 30 47.5 35.31N 28.54E 30 3.6
CSEM VI 26 03 30 48.4–.10 35.31N 28.53E 30 2.9
DDA VI 26 03 30 50.4 35.56N 28.58E 34 3.3
ATH VI 26 03 30 58.0 36.07N 27.60E 8–6 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=7.2km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.3km az=67.0.
DDA Event type ke.
ATH Error ellipse: s-maj=4.1km s-min=3.6km az=-1.0.
ISC VI 27 12 39 36.9–1.0 35.29N–.03 28.60E–.03 41–16 3.5b 121 1-41
DDA VI 27 12 39 36.9 35.39N 28.46E 27 3.2 **¶13360462**
ISCJB VI 27 12 39 36.7–.26 35.26N–.03 28.69E–.03 64–7 3.4b
IDC VI 27 12 39 37.2–2.4 35.21N 28.63E 47–30 3.5,3.5L
HLW VI 27 12 39 38.5 35.33N 28.65E 31–13 3.5,3.2L
CSEM VI 27 12 39 38.2–.11 35.30N 28.65E 60 3.3W,3.2L
ATH VI 27 12 39 40.4 35.58N 28.33E 59–4 3.5,3.2L
NIC VI 27 12 39 41.7–.20 35.38N 28.96E 55 3.3W,3.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=25.1.
IDC Error ellipse: s-maj=22.5km s-min=16.9km az=66.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=26.0.
ATH Error ellipse: s-maj=2.1km s-min=0.8km az=-1.0.
NIC Moment Tensor Solution. $M_0$6.10000×10^{13}

(372) Cyprus region.

ISC I 12 02 04 37.0–.92 34.16N–.02 33.15E–.02 25–7 4.2b 552 1-81
DDA I 12 02 04 31.3 33.80N 33.25E 28 4.0 **¶12854636**
IDC I 12 02 04 33.6–.86 34.20N 33.05E 0 4.3L,4.1
NIC I 12 02 04 34.8–.30 34.08N 33.14E 13 4.2b,3.9L
SZGRF I 12 02 04 34.2 33.72N 32.92E 33 4.1b,3.9L
NEIC I 12 02 04 35.1–.51 34.14N 33.06E 10 4.4b,3.9L
HLW I 12 02 04 36.3 34.41N 33.29E 32–23 4.2L,0.0
ISCJB I 12 02 04 36.2–.18 34.15N–.01 33.11E–.02 36–3 4.1b,0.0
MOS I 12 02 04 36.0–1.0 34.08N 32.95E 33 4.4b,0.0
CSEM I 12 02 04 38.2–.07 34.19N 33.19E 40 4.3b,3.8W
GRAL I 12 02 04 38.1–1.5 34.24N 33.26E 28–48 4.0,3.8W
NSSC I 12 02 04 40.6–1.0 34.25N 33.48E 36–42 3.4,3.4L
ISC Event type ke.
DDA Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=14.6km az=27.0.
NIC Moment Tensor Solution. $M_0$4.60000×10^{14}
SZGRF Eastern Mediterranean Sea.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.1km az=218.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=153.6.
MOS Error ellipse: s-maj=12.6km s-min=4.2km az=108.4.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=62.0.
GRAL Error ellipse: s-maj=14.0km s-min=22.5km az=-1.0.
NSSC Error ellipse: s-maj=4.4km s-min=34.4km az=-1.0.
ISC I 20 21 41 49.2–1.2 35.49N–.04 31.34E–.03 33–5 77 1-9
HLW I 20 21 41 47.8 35.61N 31.21E 33–20 3.4,3.1L **¶12854832**
CSEM I 20 21 41 49.1–.27 35.54N 31.34E 20 3.5,3.1L
ISCJB I 20 21 41 50.4–2.5 35.68N–.05 31.48E–.04 28–26 3.5,3.1L
ISK I 20 21 41 50.0 35.81N 31.59E 14 3.5,3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.8km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.6km az=26.6.
ISC I 23 07 39 19.2–1.2 35.07N–.03 33.90E–.02 46–7 85 0-5
ISK I 23 07 39 16.6 34.94N 33.98E 30 3.1 **¶12854915**
DDA I 23 07 39 18.6 35.38N 34.14E 8 3.0
NIC I 23 07 39 18.4–.30 35.03N 33.87E 51 3.2W,3.1L
ISCJB I 23 07 39 18.3–.40 35.06N–.03 33.93E–.03 51–6 3.2W,3.1L
CSEM I 23 07 39 19.1–.13 35.05N 33.89E 40 3.2W,3.1L
NSSC I 23 07 39 21.3–6.1 34.98N 34.27E 39–999 2.5L,3.1L
ISC Event type ke.
DDA Event type ke.
NIC Moment Tensor Solution. $M_0$4.90000×10^{13}
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=3.8.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=167.0.
NSSC Error ellipse: s-maj=32.2km s-min=190.3km az=-1.0.
ISC II 07 15 59 27.7–1.3 34.32N–.03 33.79E–.03 10–10 96 1-6
NSSC II 07 15 59 24.1–16 35.13N 35.82E 152–277 **¶12083002**
ISCJB II 07 15 59 26.7–.75 34.28N–.02 33.78E–.03 6–6
ISK II 07 15 59 26.1 34.27N 33.75E 7 3.5,3.3L
NIC II 07 15 59 28.9–.30 34.39N 33.88E 51 3.6L,3.6W
CSEM II 07 15 59 28.0–.11 34.32N 33.78E 10 3.6W,3.6W
ISC Event type ke.
NSSC Error ellipse: s-maj=149.1km s-min=188.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=145.1.
NIC Moment Tensor Solution. $M_0$2.10000×10^{14}
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.1km az=65.0.
ISC II 08 02 33 09.9–1.2 34.38N–.02 33.88E–.03 9–10 119 1-6
ISK II 08 02 33 08.2 34.34N 33.87E 3 3.6,3.5L **¶12083011**
NIC II 08 02 33 10.3–.30 34.30N 33.95E 37 3.6L,3.5W
CSEM II 08 02 33 10.6–.10 34.36N 33.85E 10 3.5W,3.5W
ISCJB II 08 02 33 11.1–.51 34.34N–.02 33.85E–.03 25–5 3.5W,3.5W
DDA II 08 02 33 11.8 34.66N 34.16E 7 3.5,3.5W
ISC Event type ke.
NIC Moment Tensor Solution. $M_0$1.50000×10^{14}
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=162.4.
DDA Event type ke.
ISC II 19 19 43 07.4–1.8 34.56N–.08 33.60E–.04 6–11 46 0-4
ISK II 19 19 43 04.3 34.48N 33.60E 5 3.1 **¶12083323**
CSEM II 19 19 43 06.1–.82 34.46N 33.66E 8 3.2W
NIC II 19 19 43 07.3–.30 34.56N 33.74E 17 3.2W,3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.5km s-min=8.0km az=166.0.
NIC Moment Tensor Solution. $M_0$7.00000×10^{13}
ISC III 01 05 37 22.4–1.4 34.43N–.03 32.02E–.05 35–5 74 1-6
ISCJB III 01 05 37 21.0–.99 34.30N–.03 32.08E–.05 15–8 **¶12791087**
NIC III 01 05 37 21.9–.30 34.39N 31.94E 26 3.5L,3.4W
CSEM III 01 05 37 21.1–.25 34.32N 32.16E 2 3.4W,3.4W
HLW III 01 05 37 24.7 34.27N 32.12E 24–16 3.3,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.8km az=21.7.
NIC Moment Tensor Solution. $M_0$1.20000×10^{14}
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=2.7km az=108.0.

ISC III 03 07 47 47.1–.85 35.82N–.03 31.74E–.03 55–11 3.7b 204 1-39
HLW III 03 07 47 44.6 35.94N 31.40E 31–17 3.8L,3.7 **¶12581731**
ISK III 03 07 47 45.6 35.79N 31.70E 34 3.7L,3.7
ISCJB III 03 07 47 46.0–.19 35.79N–.02 31.70E–.02 69–6 3.6b,3.7
NIC III 03 07 47 46.7–.30 35.95N 31.91E 66 4.1b,3.7L
DDA III 03 07 47 47.3 36.20N 31.65E 5 4.0L,3.7L
CSEM III 03 07 47 47.6–.10 35.80N 31.69E 40 3.7W,3.7L
IDC III 03 07 47 48.5–2.1 35.85N 31.87E 79–25 3.5b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=141.6.
NIC Moment Tensor Solution. $M_0$3.00000×10^{14}
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=55.0.
IDC Error ellipse: s-maj=24.1km s-min=10.2km az=75.0.
ISC III 03 14 18 12.4–1.8 34.57N–.09 33.96E–.04 52–11 42 0-3
ISCJB III 03 14 18 12.6–1.2 34.61N–.08 33.96E–.05 54–10 **¶12791096**
ISK III 03 14 18 13.8 34.53N 33.67E 32 2.9
CSEM III 03 14 18 13.1–.50 34.58N 33.95E 40 3.2W
NIC III 03 14 18 14.9–.20 34.70N 33.84E 42 3.2W,2.9L
DDA III 03 14 18 14.8 35.18N 34.20E 10 2.9,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=6.6km az=162.1.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=5.9km az=161.0.
NIC Moment Tensor Solution. $M_0$5.20000×10^{13}
DDA Event type ke.
ISC III 05 16 01 48.0–2.4 34.90N–.10 34.21E–.07 20–3 26 0-2
ISK III 05 16 01 45.7 34.84N 34.24E 8 2.9 **¶12791107**
CSEM III 05 16 01 47.9–.75 34.91N 34.19E 20 3.0W
NIC III 05 16 01 48.2–.30 34.96N 34.22E 25 3.0W,2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=18.7km s-min=7.9km az=150.0.
NIC Moment Tensor Solution. $M_0$2.70000×10^{13}
ISC III 06 17 00 12.4–1.4 35.56N–.02 33.43E–.03 1–13 74 0-4
DDA III 06 17 00 10.2 35.45N 33.47E 8 3.2 **¶12791113**
CSEM III 06 17 00 14.0–.15 35.63N 33.40E 2 3.2W
ISK III 06 17 00 14.4 35.57N 33.42E 21 3.7
NIC III 06 17 00 16.1–.40 35.60N 33.30E 28 3.5L,3.2W
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=111.0.
NIC Moment Tensor Solution. $M_0$5.90000×10^{13}
ISC III 06 19 30 55.7–1.0 35.54N–.03 33.26E–.04 32–10 24 0-2
DDA III 06 19 30 49.6 35.07N 33.29E 25 2.8 **¶13435620**
ISK III 06 19 30 54.6 35.60N 33.19E 4 2.5
ISCJB III 06 19 30 55.7–1.4 35.48N–.08 33.32E–.06 45–18 2.5
CSEM III 06 19 30 55.8–.31 35.57N 33.24E 20 2.5
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=8.7km az=1.4.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=6.9km az=85.0.
ISC III 07 00 54 32.3–1.3 34.47N–.03 31.94E–.03 17–10 80 1-6
ISCJB III 07 00 54 34.8–.68 34.42N–.02 32.15E–.04 28–6 **¶12791116**
NIC III 07 00 54 34.7–.30 34.50N 32.03E 21 3.1L,3.1W
ISK III 07 00 54 35.0 34.42N 32.17E 34 3.3,3.1W
CSEM III 07 00 54 35.1–.12 34.47N 32.19E 15 3.1W,3.1W
DDA III 07 00 54 44.6 35.46N 31.59E 5 3.2,3.1W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.2km az=153.9.
NIC Moment Tensor Solution. $M_0$4.20000×10^{13}
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.0km az=75.0.
DDA Event type ke.
ISC III 09 10 14 01.4–1.1 34.46N–.05 34.29E–.04 29 34 1-3
CSEM III 09 10 13 59.7–.38 34.41N 34.29E 2 3.7W **¶12791124**
NIC III 09 10 14 01.7–.30 34.53N 34.35E 39 3.7W,3.1L
ISCJB III 09 10 14 02.1–.78 34.48N–.07 34.31E–.06 29 3.7W,3.1L
ISC Event type ke.
CSEM Event type ke.
NIC Moment Tensor Solution. $M_0$4.70000×10^{14}
ISCJB Event type ke.
ISC III 10 11 36 00.9–1.3 35.75N–.04 31.25E–.03 25–15 78 1-5
ISCJB III 10 11 35 59.3–1.3 35.71N–.04 31.24E–.03 15–14 **¶13435916**
ISK III 10 11 35 59.9 35.66N 31.16E 70 3.5L
DDA III 10 11 36 00.2 35.89N 31.37E 21 3.5
CSEM III 10 11 36 00.7–.28 35.70N 31.23E 20 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.2km az=12.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=4.0km az=19.0.
NIC III 11 01 17 49.3–.30 35.47N 32.34E 41 3.5W,2.9L
CSEM III 11 01 17 49.3 35.47N 32.34E 41 2.9L,2.9L **¶12791143**
NIC Moment Tensor Solution. $M_0$1.60000×10^{14}
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NIC.
ISC III 12 00 38 34.5–1.1 35.57N–.03 32.00E–.03 24–13 62 1-4
ISK III 12 00 38 32.6 35.71N 32.15E 3 3.4 **¶12791156**
DDA III 12 00 38 33.4 35.65N 31.80E 9 3.3
ISCJB III 12 00 38 35.0–.58 35.60N–.03 32.08E–.06 29–6 3.3
NIC III 12 00 38 34.8–.30 35.55N 32.01E 40 3.2L,2.6W
CSEM III 12 00 38 34.5–.23 35.59N 32.04E 20 2.6W,2.6W
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.7km az=151.1.
NIC Moment Tensor Solution. $M_0$5.60000×10^{12}
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.6km az=63.0.
ISC III 30 22 18 53.4–1.5 34.84N–.06 32.92E–.04 61–9 51 0-6
ISCJB III 30 22 18 53.6–.80 34.76N–.06 32.95E–.06 57–9 **¶12704711**
NIC III 30 22 18 54.5–.20 34.90N 32.93E 51 3.2L,3.2W
CSEM III 30 22 18 54.5–.40 34.83N 32.92E 49–6 3.2W,3.2W
NSSC III 30 22 18 56.4–1.7 35.12N 33.68E 153–62 2.3L,3.2W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=7.5km az=5.5.
NIC Moment Tensor Solution. $M_0$4.70000×10^{13}
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=6.8km az=173.0.
NSSC Error ellipse: s-maj=27.8km s-min=34.0km az=-1.0.
NIC IV 01 07 53 55.0–.10 35.04N 32.40E 10 2.9W,2.4L
¶12840153
NIC Moment Tensor Solution. $M_0$1.70000×10^{13}
ISC IV 01 14 16 29.1–1.1 34.94N–.02 33.91E–.02 43–6 124 0-7
ISK IV 01 14 16 27.7 34.89N 33.95E 32 3.1,3.1L **¶12840151**
ISCJB IV 01 14 16 28.1–.27 34.91N–.02 33.91E–.03 52–5 3.1,3.1L
DDA IV 01 14 16 28.4 35.30N 34.15E 5 3.3,3.1L
NIC IV 01 14 16 29.9–.30 35.07N 33.85E 35 3.1L,3.1W
CSEM IV 01 14 16 29.3–.08 34.95N 33.91E 40 3.1W,3.1W
NSSC IV 01 14 16 30.5–5.5 34.86N 34.31E 0–79 2.6L,3.1W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=161.2.
DDA Event type ke.
NIC Moment Tensor Solution. $M_0$3.20000×10^{13}
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=65.0.
NSSC Error ellipse: s-maj=57.7km s-min=112.2km az=-1.0.
ISC IV 10 12 52 08.9–1.4 34.24N–.05 31.60E–.07 29–14 44 1-5
NSSC IV 10 12 52 08.3–1.3 34.65N 31.53E 38–999 2.1L **¶12840184**
CSEM IV 10 12 52 10.3–.18 34.29N 31.59E 40 2.9W
NIC IV 10 12 52 10.9–.20 34.51N 31.49E 45 3.2L,2.9W
ISC Event type ke.
NSSC Error ellipse: s-maj=18.7km s-min=31.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.2km az=117.0.
NIC Moment Tensor Solution. $M_0$1.90000×10^{13}
ISC IV 15 07 37 27.3–1.1 34.33N–.02 32.19E–.02 31–10 3.6b 218 1-80
DDA IV 15 07 37 22.8 34.03N 32.16E 10 3.3 **¶12793895**
ISK IV 15 07 37 25.3 34.24N 32.21E 68 3.7L
ISCJB IV 15 07 37 26.6–.20 34.30N–.01 32.15E–.02 50–7 3.6b

NSSC IV 15 07 37 26.9–2.4 34.44N 32.44E 0–51 2.8L
NIC IV 15 07 37 26.8–.40 34.34N 31.97E 25 3.4W,3.3L
CSEM IV 15 07 37 27.8–.07 34.34N 32.19E 30 3.4W,3.3L
IDC IV 15 07 37 28.9–1.9 34.33N 32.21E 47–27 3.5,3.5b
HLW IV 15 07 37 28.6 34.27N 32.08E 33–33 3.6,3.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=148.4.
NSSC Error ellipse: s-maj=12.0km s-min=94.0km az=-1.0.
NIC Moment Tensor Solution. M0 1.20000×10**14**
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=64.0.
IDC Error ellipse: s-maj=22.7km s-min=16.0km az=43.0.
ISC IV 25 09 52 50.9–1.3 34.92N–.04 33.26E–.03 45–6 69 0-5
ISK IV 25 09 52 48.7 34.87N 33.23E 55 2.8 **¶12793900**
CSEM IV 25 09 52 50.8–.20 34.93N 33.26E 43–3 2.9W
ISCJB IV 25 09 52 50.1–.56 34.86N–.04 33.26E–.04 50–7 2.9W
NIC IV 25 09 52 51.0–.20 35.00N 33.25E 41 3.3L,2.9W
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=33.6.
NIC Moment Tensor Solution. M0 1.70000×10**13**
ISC IV 27 19 01 05.3–1.2 35.05N–.06 32.42E–.05 13–8 35 0-2
ISK IV 27 19 01 03.8 34.94N 32.43E 15 2.9 **¶12793907**
NIC IV 27 19 01 04.6–.30 35.08N 32.38E 16 3.2L,3.0W
ISCJB IV 27 19 01 05.2–.92 35.02N–.06 32.44E–.06 12–6 3.2L,3.0W
CSEM IV 27 19 01 06.0–.33 35.04N 32.47E 2 3.0W,3.0W
ISC Event type ke.
NIC Moment Tensor Solution. M0 4.90000×10**13**
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=6.8km az=150.6.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=5.0km az=10.0.
NIC IV 27 19 01 34.0–.20 35.07N 32.38E 16 3.1W,2.0L
¶12793906
NIC Moment Tensor Solution. M0 3.80000×10**13**
ISC IV 27 21 45 56.9–2.6 35.2N–.10 32.31E–.10 16–10 20 0-1
CSEM IV 27 21 45 56.9–.57 35.15N 32.31E 15 2.7W **¶12793902**
NIC IV 27 21 45 58.3–.10 35.08N 32.36E 15 2.7W,2.4L
ISK IV 27 21 45 59.4 35.34N 32.59E 5 2.3,2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.4km s-min=7.2km az=160.0.
NIC Moment Tensor Solution. M0 9.70000×10**12**
ISC V 02 01 50 34.0–.92 34.95N–.02 34.00E–.02 48–6 3.7b 135 0-80
IDC V 02 01 50 28.6–1.4 35.20N 34.23E 0 3.5,3.5b **¶12936537**
DDA V 02 01 50 31.0 34.83N 34.13E 26 3.4,3.5b
ISCJB V 02 01 50 33.8–.24 34.93N–.02 34.00E–.03 54–5 3.5b,3.5b
ISK V 02 01 50 33.9 34.90N 34.01E 22 3.2,3.5b
NIC V 02 01 50 34.4–.20 34.90N 33.93E 46 3.4L,3.0W
CSEM V 02 01 50 35.2–.11 34.93N 33.96E 40 3.0W,3.0W
NSSC V 02 01 50 37.1–1.5 34.93N 34.22E 40–999 2.4L,1.8
ISC Event type ke.
IDC Error ellipse: s-maj=71.4km s-min=16.9km az=71.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=157.4.
NIC Moment Tensor Solution. M0 3.40000×10**13**
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=65.0.
NSSC Error ellipse: s-maj=5.5km s-min=21.4km az=-1.0.
ISC V 02 04 13 00.5–2.8 34.7N–.20 34.00E–.10 21–6 25 0-1
ISK V 02 04 13 01.6 34.87N 34.07E 3 2.7 **¶12936538**
CSEM V 02 04 13 03.8–1.3 34.89N 33.93E 20 2.8W
NIC V 02 04 13 04.1–.20 34.65N 33.91E 28 2.8W,2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=33.2km s-min=16.5km az=164.0.
NIC Moment Tensor Solution. M0 1.80000×10**13**
ISC V 06 06 04 51.0–1.4 35.79N–.06 31.82E–.06 73 22 1-2
ISK V 06 06 04 49.7 35.89N 31.89E 82 3.1 **¶13839299**
ISCJB V 06 06 04 50.6–.86 35.78N–.07 31.81E–.09 73 3.1
CSEM V 06 06 04 51.1–.52 35.75N 31.77E 30 3.1
DDA V 06 06 04 55.0 36.29N 31.70E 7 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=7.5km az=138.8.
CSEM Event type ke. Error ellipse: s-maj=15.9km s-min=10.5km az=41.0.
DDA Event type ke.
ISC V 08 02 54 52.2–1.1 34.79N–.03 32.59E–.02 17–7 87 0-4
ISK V 08 02 54 50.3 34.70N 32.56E 16 3.2 **¶12895822**
ISCJB V 08 02 54 51.8–.58 34.76N–.04 32.58E–.04 25–3 3.2
DDA V 08 02 54 51.7 34.90N 32.55E 6 3.2
NIC V 08 02 54 52.7–.20 34.84N 32.62E 12 3.1L,3.0W
CSEM V 08 02 54 52.6–.25 34.82N 32.60E 15 3.0W,3.0W
NSSC V 08 02 54 53.7–1.2 34.81N 32.54E 38–999 2.1L,3.0W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.0km az=30.5.
DDA Event type ke.
NIC Moment Tensor Solution. M0 2.50000×10**13**
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=24.0.
NSSC Error ellipse: s-maj=9.3km s-min=32.5km az=-1.0.
ISC V 15 18 55 28.9–2.4 34.5N–.10 33.66E–.05 25–12 30 1-1
NIC V 15 18 55 29.0–.20 34.50N 33.67E 20 2.7W,2.4L **¶12895824**
ISK V 15 18 55 28.4 34.53N 33.59E 22 2.6,2.4L
CSEM V 15 18 55 28.1–.56 34.46N 33.66E 25–3 2.7W,2.4L
ISC Event type ke.
NIC Moment Tensor Solution. M0 1.00000×10**13**
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=4.9km az=175.0.
NIC V 17 18 35 47.2–.10 35.02N 31.93E 25 2.7W,2.4L
CSEM V 17 18 35 39.3–2.3 35.68N 31.85E 10 2.7W,2.4L **¶12895825**
NIC Moment Tensor Solution. M0 9.90000×10**12**
CSEM Event type ke. Error ellipse: s-maj=51.9km s-min=22.6km az=98.0.
ISC V 20 21 40 09.5–1.3 35.72N–.05 31.16E–.03 30–15 50 1-3
ISK V 20 21 40 06.7 35.76N 31.11E 8 3.6 **¶13839909**
CSEM V 20 21 40 06.8–.32 35.72N 31.08E 2 3.4
DDA V 20 21 40 10.9 36.09N 31.23E 7 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=4.9km az=19.0.
DDA Event type ke.
ISC V 21 18 49 46.8–3.3 34.5N–.10 32.1E–.10 29 25 0-1
NIC V 21 18 49 48.0–.20 34.45N 31.99E 30 2.9L,2.8W **¶12895831**
ISK V 21 18 49 47.9 34.38N 32.42E 16 2.8,2.8W
CSEM V 21 18 49 47.4–.65 34.46N 32.17E 20 2.8W,2.8W
ISC Event type ke.
NIC Moment Tensor Solution. M0 1.20000×10**13**
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=9.1km az=20.0.
ISC V 25 10 35 46.6–1.4 34.71N–.09 33.00E–.03 14 30 0-1
ISK V 25 10 35 43.6 34.61N 32.96E 6 2.4 **¶12895835**
ISCJB V 25 10 35 45.0–1.3 34.64N–.07 33.02E–.05 14 2.4
CSEM V 25 10 35 44.7–.45 34.63N 33.02E 15 2.7W
NIC V 25 10 35 45.1–.30 34.68N 33.05E 18 2.9L,2.7W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.2km az=171.5.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=3.8km az=166.0.
NIC Moment Tensor Solution. M0 8.40000×10**12**
ISC V 27 12 09 48.5–2.7 34.9N–.30 33.89E–.08 46–11 18 0-2
ISCJB V 27 12 09 48.3–1.8 35.0N–.30 33.89E–.08 48–10 **¶12895836**
CSEM V 27 12 09 49.2 34.83N 33.83E 33 2.8L
NIC V 27 12 09 49.2–.10 34.83N 33.83E 33 3.0W,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=46.2km s-min=7.2km az=168.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NIC.
NIC Moment Tensor Solution. M0 3.00000×10**13**
ISC V 31 02 47 01.4–1.0 34.99N–.03 31.35E–.03 41–14 3.6b 187 1-56
ISK V 31 02 46 57.7 35.05N 31.45E 9 4.0 **¶12895839**
ISCJB V 31 02 47 00.2–.27 35.00N–.02 31.36E–.03 58–6 3.6b
NIC V 31 02 47 01.6–.20 35.12N 31.39E 35 4.1b,3.8L
IDC V 31 02 47 01.7–2.9 35.12N 31.34E 38–30 3.8L,3.6
DDA V 31 02 47 01.4 35.15N 31.37E 52 3.5,3.6
CSEM V 31 02 47 01.8–.09 35.03N 31.39E 40 3.6W,3.6
HLW V 31 02 47 02.7 34.90N 31.22E 33–32 3.4L,0.0
NSSC V 31 02 47 14.9–2.9 34.62N 32.86E 16–109 2.7L,0.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=150.1.
NIC Moment Tensor Solution. M0 2.50000×10**14**
IDC Error ellipse: s-maj=21.3km s-min=18.7km az=67.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=57.0.
NSSC Error ellipse: s-maj=11.1km s-min=140.5km az=-1.0.
ISC VI 12 15 19 17.5–1.1 35.83N–.03 31.85E–.03 16–9 66 1-4
NIC VI 12 15 19 15.4–.30 35.98N 31.79E 11 3.0W,2.9L **¶13354688**
ISCJB VI 12 15 19 17.5–.74 35.73N–.03 31.77E–.04 4–5 3.0W,2.9L
ISK VI 12 15 19 18.3 35.78N 31.89E 6 3.2,2.9L
CSEM VI 12 15 19 18.4–.25 35.72N 31.83E 2 3.0W,2.9L
DDA VI 12 15 19 21.3 35.95N 31.90E 42 3.1,2.9L
ISC Event type ke.
NIC Moment Tensor Solution. M0 2.50000×10**13**
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=41.5.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.7km az=51.0.
DDA Event type ke.
ISC VI 14 05 05 03.1–1.2 35.29N–.03 33.99E–.03 17–10 47 0-3
DDA VI 14 05 05 00.9 35.26N 33.98E 7 3.1 **¶13354689**
NSSC VI 14 05 05 03.9–2.7 35.35N 34.44E 1–19 2.0L,1.7
CSEM VI 14 05 05 03.2–.44 35.30N 34.00E 10 2.9W,1.7
NIC VI 14 05 05 04.1–.20 35.52N 33.78E 11 3.0L,2.9W
ISC Event type ke.
DDA Event type ke.
NSSC Error ellipse: s-maj=9.6km s-min=31.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.5km s-min=7.9km az=154.0.
NIC Moment Tensor Solution. M0 2.60000×10**13**
ISC VI 28 02 25 55.9–1.7 34.89N–.03 31.45E–.02 16–13 103 1-7
ISK VI 28 02 25 53.4 34.76N 31.44E 3 3.8L **¶13360562**
ISCJB VI 28 02 25 56.6–.84 34.81N–.03 31.45E–.03 25–9 3.8L
CSEM VI 28 02 25 56.5–.16 34.86N 31.49E 10 3.2W
NIC VI 28 02 25 57.0–.20 34.97N 31.34E 25 3.3L,3.2W
HLW VI 28 02 25 57.2 35.11N 31.50E 31–17 3.4,3.1L
DDA VI 28 02 26 02.2 35.57N 31.29E 16 3.2,3.1L
NSSC VI 28 02 26 39.2–4.3 32.57N 36.34E 141–36 1.3L,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=25.3.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=29.0.
NIC Moment Tensor Solution. M0 6.30000×10**13**
DDA Event type ke.
NSSC Error ellipse: s-maj=35.4km s-min=49.0km az=-1.0.
ISC VI 28 04 29 08.4–1.1 34.85N–.04 31.45E–.03 29–10 3.4b 83 1-56
ISK VI 28 04 29 02.6 34.63N 31.39E 10 3.5L **¶13360568**
CSEM VI 28 04 29 07.6–.18 34.84N 31.45E 20 3.2W
NIC VI 28 04 29 08.1–.20 34.99N 31.30E 27 3.2L,3.2W
IDC VI 28 04 29 09.6–2.6 34.88N 31.54E 47–27 3.5b,3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=25.0.
NIC Moment Tensor Solution. M0 5.80000×10**13**
IDC Error ellipse: s-maj=44.8km s-min=18.0km az=45.0.
ISC VI 29 06 16 45.7–1.4 35.35N–.05 31.18E–.04 9–11 41 1-4
ISK VI 29 06 16 40.5 35.11N 30.91E 5 3.6 **¶13360753**
CSEM VI 29 06 16 45.9–1.6 35.36N 31.14E 10 3.1W
NIC VI 29 06 16 48.0–.40 35.58N 31.32E 13 3.1L,3.1W
ISCJB VI 29 06 16 48.5–1.7 35.40N–.06 31.30E–.05 13–12 3.1L,3.1W
DDA VI 29 06 16 49.0 35.57N 31.28E 7 3.3,3.1W
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=32.9km s-min=14.1km az=68.0.
NIC Moment Tensor Solution. M0 3.60000×10**13**
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.9km az=27.5.
DDA Event type ke.
ISC VI 29 10 01 55.3–1.2 35.02N–.03 33.82E–.03 59–6 86 0-7
ISK VI 29 10 01 51.8 34.82N 34.03E 27 3.2 **¶13360782**
DDA VI 29 10 01 52.4 34.89N 33.80E 28 3.1
ISCJB VI 29 10 01 54.6–.40 35.00N–.03 33.85E–.04 61–5 3.1
NIC VI 29 10 01 57.0–.20 35.07N 33.70E 44 3.3W,3.2L
CSEM VI 29 10 01 56.0–.15 35.03N 33.81E 48–3 3.3W,3.2L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=42.6.
NIC Moment Tensor Solution. M0 8.20000×10**13**
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=119.0.

(373) Dead Sea region.

ISC I 21 06 40 58.9–1.3 32.50N–.03 34.43E–.03 16–10 4.2b 136 1-29
ISCJB I 21 06 40 58.6–.61 32.49N–.02 34.39E–.03 23–6 3.9b **¶11667133**
CSEM I 21 06 40 58.5–.07 32.49N 34.43E 10 3.2W
IDC I 21 06 40 59.0–1.5 32.50N 34.54E 0 3.6L,3.5
GRAL I 21 06 41 00.4–.78 32.50N 34.44E 22–3 3.6,3.5
HLW I 21 06 41 01.0 32.53N 34.56E 32–19 3.7L,0.0
NSSC I 21 06 41 01.5–1.2 32.73N 34.29E 38–77 3.3L,2.6
NIC I 21 06 41 02.3–.20 32.72N 34.57E 66 3.4L,3.2W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=23.8.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=102.0.
IDC Error ellipse: s-maj=12.5km s-min=11.5km az=92.0.
GRAL Error ellipse: s-maj=2.1km s-min=4.7km az=-1.0.
NSSC Error ellipse: s-maj=26.5km s-min=52.4km az=-1.0.
NIC Moment Tensor Solution. M0 5.70000×10**13**
ISC I 25 15 35 39.4–.95 32.76N–.02 35.64E–.03 25–8 48 0-3
ISCJB I 25 15 35 39.3–.38 32.73N–.02 35.63E–.03 15–3 **¶12854950**
CSEM I 25 15 35 39.6–.16 32.75N 35.63E 20 2.9
NSSC I 25 15 35 40.0–2.4 32.91N 35.75E 66–26 2.9L
GRAL I 25 15 35 41.0–.56 32.78N 35.63E 5–5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=9.2.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=105.0.
NSSC Error ellipse: s-maj=14.9km s-min=24.1km az=-1.0.
GRAL Error ellipse: s-maj=5.2km s-min=3.2km az=-1.0.
CSEM III 19 21 50 40.4–.08 31.41N 35.19E 12 3.0L
¶14384209
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.5km az=107.0.
ISC IV 21 13 18 28.5–1.8 31.50N–.03 35.54E–.05 20–7 54 1-4
NSSC IV 21 13 18 24.4–2.8 31.56N 35.44E 0–24 2.6L,2.0 **¶13928453**
CSEM IV 21 13 18 29.3–.15 31.48N 35.52E 20–0 3.5L,2.0
HLW IV 21 13 18 31.5 31.42N 35.43E 29–16 3.3,3.1L
ISC Event type ke.
NSSC Error ellipse: s-maj=30.7km s-min=27.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=2.6km az=108.0.
ISC IV 30 02 37 47.4–.87 32.70N–.02 35.22E–.03 17–6 72 0-4
NSSC IV 30 02 37 46.2–1.4 32.67N 35.18E 4–6 2.4L,1.2 **¶15741746**
ISCJB IV 30 02 37 47.2–.35 32.67N–.02 35.19E–.03 14–2 2.4L,1.2
CSEM IV 30 02 37 47.4–.11 32.68N 35.22E 12 2.8L,1.2
GRAL IV 30 02 37 48.4–.28 32.70N 35.29E 2–2 3.3,1.2
ISC Event type ke.
NSSC Error ellipse: s-maj=5.4km s-min=6.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.5km az=21.3.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=108.0.
GRAL Error ellipse: s-maj=1.2km s-min=3.6km az=-1.0.
CSEM V 07 05 11 30.3–.58 31.74N 35.15E 8 3.9L
NSSC V 07 05 11 32.2–1.7 31.73N 35.12E 71–50 1.9L **¶13928507**
CSEM Event type ke. Error ellipse: s-maj=16.9km s-min=5.3km az=98.0.
NSSC Error ellipse: s-maj=19.9km s-min=17.1km az=-1.0.
ISC V 07 22 13 07.6–3.7 32.6N–.10 35.0E–.20 11 16 1-2
CSEM V 07 22 13 07.1–.61 32.65N 34.79E 20 2.5L **¶13928509**
NSSC V 07 22 13 07.5–1.1 33.03N 35.02E 132–18 1.5L

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=7.3km az=112.0.
NSSC Error ellipse: s-maj=19.8km s-min=17.3km az=-1.0.
ISC V 14 02 12 00.6–1.1 32.41N–.03 36.42E–.03 16–8 58 0-3
ISCJB V 14 02 12 00.6–.56 32.38N–.03 36.45E–.03 21–5 ¶13928541
NSSC V 14 02 12 00.3–.79 32.38N 36.41E 15–3 2.5L,0.7
CSEM V 14 02 12 00.7–.12 32.40N 36.44E 20 3.3L,0.7
GRAL V 14 02 12 02.0–.48 32.46N 36.38E 0–5 3.2,0.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.6km az=42.3.
NSSC Error ellipse: s-maj=4.7km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=119.0.
GRAL Error ellipse: s-maj=4.2km s-min=7.6km az=-1.0.
ISC VI 13 18 45 41.1–.91 32.79N–.02 35.38E–.03 16–7 73 0-4
HLW VI 13 18 45 39.4 32.94N 35.39E 10–12 3.0L,3.0 ¶13928650
ISCJB VI 13 18 45 41.0–.34 32.77N–.02 35.36E–.03 13–3 3.0L,3.0
CSEM VI 13 18 45 41.2–.11 32.78N 35.39E 12 3.0L,3.0
NSSC VI 13 18 45 41.1–1.1 32.79N 35.37E 10–9 2.5L,3.0
GRAL VI 13 18 45 42.1–.68 32.80N 35.35E 6–7 3.3,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.6km az=20.9.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=105.0.
NSSC Error ellipse: s-maj=6.5km s-min=6.7km az=-1.0.
GRAL Error ellipse: s-maj=3.3km s-min=7.8km az=-1.0.
ISC VI 29 20 56 19.8–1.1 32.87N–.03 35.21E–.04 20–2 56 0-3
NSSC VI 29 20 56 17.8–.82 32.88N 35.13E 6–4 2.1L,1.3 ¶13928715
ISCJB VI 29 20 56 19.6–.43 32.87N–.02 35.18E–.04 21–3 2.1L,1.3
CSEM VI 29 20 56 19.8–.13 32.87N 35.22E 20 3.0L,1.3
GRAL VI 29 20 56 22.3–.54 32.98N 35.28E 11–4 3.0,1.3
ISC Event type ke.
NSSC Error ellipse: s-maj=3.5km s-min=5.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.2km az=24.1.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=108.0.
GRAL Error ellipse: s-maj=7.8km s-min=3.9km az=-1.0.

(374) Jordan - Syria region.

GRAL I 02 06 36 02.6–.35 34.17N 36.30E 16–8 2.8
CSEM I 02 06 36 00.1–.49 34.24N 36.33E 29–3 2.8L ¶14357935
GRAL Error ellipse: s-maj=4.3km s-min=3.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=16.3km s-min=10.7km az=100.0.
ISC I 03 20 28 06.6–1.3 35.31N–.05 36.12E–.10 16 9 2-7
NSSC I 03 20 28 06.4–2.2 35.32N 36.09E 0–418 2.6L ¶15699113
ISCJB I 03 20 28 07.0–.82 35.41N–.05 36.0E–.10 16 2.6L
ISC Event type ke.
ISCJB Event type ke.
GRAL I 04 06 54 15.8–.31 33.15N 35.24E 14–5 2.6
CSEM I 04 06 54 14.6–.11 33.21N 35.16E 15 2.6L ¶14357973
GRAL Error ellipse: s-maj=5.1km s-min=3.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=145.0.
ISC I 06 13 10 16.0–2.7 35.56N–.07 37.2E–.20 26–25 10 0-1
ISCJB I 06 13 10 16.3–1.9 35.56N–.05 37.2E–.10 26–12 ¶12854473
NSSC I 06 13 10 17.7–.32 35.44N 37.23E 21–8 2.3L
DDA I 06 13 10 17.2 35.69N 37.16E 7 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=7.5km az=5.9.
NSSC Error ellipse: s-maj=3.0km s-min=3.8km az=-1.0.
DDA Event type ke.
ISC I 09 18 50 03.0–1.3 34.60N–.07 36.33E–.08 15–13 17 0-3
ISCJB I 09 18 50 02.6–1.2 34.62N–.06 36.34E–.09 8–14 ¶15849707
CSEM I 09 18 50 02.9 34.65N 36.38E 5 2.9L
GRAL I 09 18 50 02.9–.29 34.65N 36.38E 5–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=10.1km az=19.4.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GRAL.
GRAL Error ellipse: s-maj=2.6km s-min=2.1km az=-1.0.
ISC I 10 11 02 39.8–1.4 35.79N–.05 36.5E–.10 17 7 0-2
¶16193541
ISC Event type ke.
ISC I 12 11 11 22.1–1.2 36.30N–.05 36.69E–.04 13–9 35 0-2
DDA I 12 11 11 20.7 36.22N 36.70E 7 3.1 ¶12854648
ISCJB I 12 11 11 21.2–1.1 36.24N–.05 36.69E–.05 4–6 3.1
CSEM I 12 11 11 21.0–.58 36.20N 36.73E 10 3.1
ISK I 12 11 11 24.4 36.42N 36.64E 16 2.6
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=4.8km az=149.5.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=5.1km az=147.0.
DDA I 13 10 54 01.6 36.55N 40.22E 14 3.8
CSEM I 13 10 54 01.6 36.55N 40.22E 14 3.8 ¶15132750
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC I 13 16 16 28.1–1.4 33.24N–.04 35.72E–.04 3–12 28 0-1
NSSC I 13 16 16 28.9–2.1 33.45N 35.88E 56–13 1.6L,1.5 ¶12854652
CSEM I 13 16 16 29.2–.28 33.33N 35.39E 10 2.9L,1.5
GRAL I 13 16 16 29.9–.40 33.30N 35.42E 8–2 2.9,1.5
ISC Event type ke.
NSSC Error ellipse: s-maj=12.3km s-min=13.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=3.9km az=80.0.
GRAL Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0.
ISC I 13 16 29 41.5–.94 33.33N–.02 35.46E–.04 15–7 31 0-2
ISCJB I 13 16 29 41.1–.52 33.33N–.02 35.43E–.04 11–5 ¶12854651
GRAL I 13 16 29 41.9–.40 33.31N 35.44E 4–2 2.7
CSEM I 13 16 29 41.3–.14 33.34N 35.45E 10 2.0
NSSC I 13 16 29 43.2–1.5 33.26N 36.35E 0–81 1.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.6km az=23.3.
GRAL Error ellipse: s-maj=1.5km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.0km az=107.0.
NSSC Error ellipse: s-maj=18.5km s-min=7.9km az=-1.0.
ISC I 13 18 35 00.3–1.5 33.33N–.07 35.48E–.06 17–10 14 0-1
ISCJB I 13 18 35 00.4–1.4 33.33N–.06 35.47E–.07 12–6 ¶12854650
GRAL I 13 18 35 01.2–.31 33.31N 35.48E 5–3 2.6
NSSC I 13 18 35 01.1–.74 33.72N 36.25E 0–6 0.9L
CSEM I 13 18 35 01.2 33.31N 35.48E 5 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=7.6km az=136.1.
GRAL Error ellipse: s-maj=1.2km s-min=1.5km az=-1.0.
NSSC Error ellipse: s-maj=5.2km s-min=3.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GRAL.
ISC I 14 15 35 10.8–1.1 36.94N–.03 40.48E–.03 13–9 26 0-2
DDA I 14 15 35 09.9 36.93N 40.38E 7 3.0 ¶12854678
CSEM I 14 15 35 09.9 36.93N 40.38E 7 3.0
ISCJB I 14 15 35 11.7–.54 36.92N–.03 40.50E–.05 21–7 3.0
NSSC I 14 15 35 12.8–.31 36.82N 40.49E 11–2 1.7L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=19.4.
NSSC Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0.
NSSC I 14 18 58 09.3–1.8 36.29N 36.14E 0–822 1.7L
¶15699376
NSSC Error ellipse: s-maj=7.1km s-min=12.6km az=-1.0.
ISC I 16 18 01 56.5–1.3 36.38N–.03 40.92E–.03 4–10 74 1-4
ISK I 16 18 01 54.1 36.26N 40.91E 5 3.4 ¶12854719
DDA I 16 18 01 55.1 36.38N 40.98E 8 3.3
NSSC I 16 18 01 56.7–.41 36.40N 40.86E 0–2 2.8L,2.2
CSEM I 16 18 01 56.6–.26 36.38N 40.92E 2 2.8L,2.2
ISC Event type ke.
DDA Event type ke.
NSSC Error ellipse: s-maj=0.9km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=137.0.
ISC I 17 23 22 00.3–1.2 33.69N–.04 36.31E–.04 0–22 31 0-1
ISCJB I 17 23 22 00.2–.66 33.67N–.03 36.29E–.05 5–6 ¶12854750
CSEM I 17 23 22 00.2 33.65N 36.32E 1 2.0L
NSSC I 17 23 22 00.2–.92 33.64N 36.32E 8–2 1.6L,1.2
GRAL I 17 23 22 01.0–.31 33.68N 36.29E 3–28 2.8,1.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=156.4.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
NSSC Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
GRAL Error ellipse: s-maj=1.0km s-min=3.4km az=-1.0.
ISC I 19 10 10 50.6–1.4 35.70N–.04 36.61E–.07 13–14 22 0-2
CSEM I 19 10 10 51.0–.53 35.69N 36.60E 10 1.9L ¶12854787
DDA I 19 10 10 51.3 35.70N 36.54E 7 2.9
NSSC I 19 10 10 54.6–.78 35.27N 37.00E 2–13 1.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.9km s-min=10.6km az=99.0.
DDA Event type ke.
NSSC Error ellipse: s-maj=6.7km s-min=4.7km az=-1.0.
ISC I 19 12 53 29.7–1.5 34.41N–.03 36.63E–.06 10–10 32 0-2
ISCJB I 19 12 53 28.5–1.4 34.43N–.03 36.69E–.07 1–9 ¶12854785
CSEM I 19 12 53 28.8–.21 34.41N 36.66E 2 3.1L
GRAL I 19 12 53 29.1–.37 34.41N 36.73E 3–4 3.1
NSSC I 19 12 53 30.1–1.7 34.45N 36.73E 22–17 1.8L
DDA I 19 12 53 31.1 34.72N 36.57E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=4.2km az=3.3.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=104.0.
GRAL Error ellipse: s-maj=3.7km s-min=3.4km az=-1.0.
NSSC Error ellipse: s-maj=4.1km s-min=19.0km az=-1.0.
DDA Event type ke.
ISC I 19 15 46 58.6–1.5 36.38N–.03 40.96E–.04 0–11 39 1-4
DDA I 19 15 46 57.0 36.35N 40.98E 7 3.3 ¶12854784
CSEM I 19 15 46 58.6–.23 36.40N 40.90E 5 2.4L
NSSC I 19 15 46 58.3–1.2 36.39N 40.78E 51–13 2.4L,2.2
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=134.0.
NSSC Error ellipse: s-maj=3.7km s-min=9.0km az=-1.0.
ISC I 21 03 52 35.3–1.1 36.37N–.02 40.87E–.02 1–10 82 1-5
ISK I 21 03 52 33.3 36.08N 40.83E 3 3.6 ¶12854862
NSSC I 21 03 52 36.7–2.1 36.37N 40.85E 20–10 2.8L,2.2
CSEM I 21 03 52 37.1–.36 36.30N 40.83E 10 2.9L,2.2
DDA I 21 03 52 38.0 36.52N 40.88E 30 3.3,2.2
ISC Event type ke.
NSSC Error ellipse: s-maj=5.2km s-min=13.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=6.0km az=145.0.
DDA Event type ke.
ISC I 21 08 32 10.8–1.2 35.15N–.02 35.38E–.06 22–6 51 1-3
DDA I 21 08 32 10.8 35.45N 35.09E 7 3.2 ¶12854861
CSEM I 21 08 32 11.0–.19 35.15N 35.37E 20 3.3L
NSSC I 21 08 32 12.0–1.6 35.19N 35.46E 15–10 2.7L,2.4
GRAL I 21 08 32 13.2–.33 35.07N 35.32E 24–2 3.3,2.4
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=2.7km az=89.0.
NSSC Error ellipse: s-maj=3.6km s-min=6.8km az=-1.0.
GRAL Error ellipse: s-maj=2.8km s-min=5.1km az=-1.0.
NSSC I 21 10 59 23.9–.92 34.54N 36.86E 38–654 2.0,1.7L
¶15699556
NSSC Error ellipse: s-maj=5.3km s-min=8.1km az=-1.0.
NSSC I 21 17 35 46.8–2.3 35.10N 38.57E 28–17 1.7L
¶15699560
NSSC Error ellipse: s-maj=21.8km s-min=8.7km az=-1.0.
NSSC I 21 17 35 57.1–1.3 36.45N 38.23E 31–5 1.9L
CSEM I 21 17 35 57.1 36.49N 38.22E 24 1.9L ¶15699563
NSSC Error ellipse: s-maj=7.5km s-min=4.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NSSC.
ISC I 21 23 30 21.0–1.1 36.42N–.03 40.90E–.03 5–10 43 1-3
NSSC I 21 23 30 20.0–.87 36.43N 40.90E 0–10 2.2L ¶12854856
CSEM I 21 23 30 20.7–.34 36.41N 40.91E 2 2.3L
DDA I 21 23 30 24.2 36.48N 41.03E 21 2.9
ISC Event type ke.
NSSC Error ellipse: s-maj=2.0km s-min=5.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.9km az=136.0.
DDA Event type ke.
NSSC I 28 20 41 00.4–1.7 35.24N 40.72E 13–12 2.1L
CSEM I 28 20 40 58.2 35.17N 40.81E 3 2.2L ¶15699746
NSSC Error ellipse: s-maj=11.1km s-min=13.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NSSC.
ISC I 29 12 26 53.3–1.5 33.84N–.03 36.69E–.06 15–10 26 0-1
CSEM I 29 12 26 53.4–.52 33.82N 36.72E 15 2.2L ¶12855043
NSSC I 29 12 26 53.6–1.1 33.83N 36.65E 13–11 2.0L,1.7
GRAL I 29 12 26 54.1–.36 33.80N 36.78E 7–4 3.0,1.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=4.0km az=95.0.
NSSC Error ellipse: s-maj=2.3km s-min=7.2km az=-1.0.
GRAL Error ellipse: s-maj=1.6km s-min=4.3km az=-1.0.
ISC I 29 15 12 50.1–1.1 36.79N–.03 38.38E–.03 8–11 34 1-2
CSEM I 29 15 12 50.7–.38 36.78N 38.40E 2 2.9 ¶12855041
ISCJB I 29 15 12 51.5–1.9 36.82N–.04 38.39E–.04 15–14 2.9
DDA I 29 15 12 51.5 36.87N 38.27E 7 2.9
NSSC I 29 15 12 53.8–2.4 36.64N 38.40E 59–67 1.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=7.0km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=30.2.
DDA Event type ke.
NSSC Error ellipse: s-maj=19.9km s-min=16.9km az=-1.0.
CSEM I 29 19 07 49.2–.43 33.47N 36.43E 2 2.6L
NSSC I 29 19 07 47.3–1.9 33.58N 36.54E 0–59 2.6L ¶12855040
GRAL I 29 19 07 51.4–.34 33.17N 35.50E 0–134 2.6
CSEM Event type ke. Error ellipse: s-maj=17.5km s-min=6.2km az=41.0.
NSSC Error ellipse: s-maj=24.2km s-min=31.4km az=-1.0.
GRAL Error ellipse: s-maj=3.5km s-min=6.1km az=-1.0.
ISC I 29 23 41 17.8–1.3 36.74N–.06 39.01E–.03 12–12 26 1-2
DDA I 29 23 41 16.6 36.74N 39.02E 2 2.9 ¶12855038
NSSC I 29 23 41 17.2–3.3 36.47N 38.82E 44–437 2.0L
CSEM I 29 23 41 18.6–.34 36.75N 39.03E 10 2.0L
ISCJB I 29 23 41 19.3–.83 36.74N–.05 39.00E–.05 15–12 2.0L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC II 01 14 21 47.2–2.0 36.0N–.10 36.08E–.05 13–6 23 0-2
ISK II 01 14 21 48.4 36.25N 36.12E 5 2.8 ¶13434151
DDA II 01 14 21 48.7 36.05N 36.11E 6 3.1
CSEM II 01 14 21 48.2–.55 36.07N 36.11E 8 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.7km s-min=8.9km az=179.0.
ISC II 05 02 40 39.0–1.4 36.38N–.03 40.91E–.04 6–14 27 1-2
NSSC II 05 02 40 37.7–1.2 36.39N 40.88E 65–11 1.8L ¶12855140
ISCJB II 05 02 40 39.3–.97 36.39N–.03 40.92E–.05 1–8 1.8L
CSEM II 05 02 40 39.1–.26 36.36N 40.92E 2 1.7L
DDA II 05 02 40 40.9 36.50N 40.98E 7 3.0
ISC Event type ke.
NSSC Error ellipse: s-maj=4.1km s-min=10.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.3km az=21.2.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.5km az=120.0.
DDA Event type ke.
ISC II 05 10 40 56.7–.90 36.19N–.04 36.13E–.06 8–8 26 0-3
ISK II 05 10 40 53.5 36.00N 36.30E 5 2.8 ¶13434282

DDA II 05 10 40 55.3 36.20N 36.09E 7 3.1
ISCJB II 05 10 40 56.8–.66 36.19N–.04 36.18E–.08 8–6 3.1
CSEM II 05 10 40 56.4–.61 36.15N 36.19E 8 3.1
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.9km az=19.1.
CSEM Event type ke. Error ellipse: s-maj=17.8km s-min=13.4km az=125.0.
ISC II 06 14 27 37.6–2.3 36.92N–.09 38.78E–.07 7–12 24 1-2
CSEM II 06 14 27 38.2–1.3 36.87N 38.64E 7–6 2.9 ¶13434332
ISK II 06 14 27 40.0 37.09N 38.55E 4 2.9
DDA II 06 14 27 41.8 37.09N 38.83E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=24.0km s-min=11.6km az=147.0.
DDA Event type ke.
ISC II 07 11 06 25.6–.93 34.49N–.02 36.34E–.04 8–7 26 0-2
GRAL II 07 11 06 24.8–.36 34.57N 36.38E 2–2 3.1 ¶12855143
ISCJB II 07 11 06 25.9–.58 34.48N–.02 36.32E–.05 2–5 3.1
CSEM II 07 11 06 25.6–.21 34.48N 36.33E 2 2.4L
DDA II 07 11 06 25.5 34.59N 35.77E 11 3.1
ISC Event type ke.
GRAL Error ellipse: s-maj=2.5km s-min=2.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.1km az=10.1.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=3.7km az=94.0.
DDA Event type ke.
ISC II 07 23 16 10.8–2.1 35.13N–.05 40.45E–.05 10–14 64 1-5
ISK II 07 23 16 04.9 34.83N 40.51E 5 3.5L ¶12855141
ISCJB II 07 23 16 09.9–1.6 35.08N–.04 40.46E–.05 9–13 3.5L
CSEM II 07 23 16 13.6–.39 35.12N 40.44E 30 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.4km az=43.8.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=5.6km az=141.0.
ISC II 08 01 42 54.3–2.0 35.18N–.04 40.54E–.03 5–13 3.5b 86 1-81
ISK II 08 01 42 48.0 34.83N 40.38E 5 4.3L ¶12699762
IDC II 08 01 42 53.0–1.3 35.09N 40.57E 0 3.7,3.6
CSEM II 08 01 42 54.7–.23 35.17N 40.54E 2 3.0L,3.6
KISR II 08 01 42 58.5–.69 33.62N 40.59E 34 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=30.7km s-min=12.9km az=140.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.6km az=124.0.
KISR Error ellipse: s-maj=49.9km s-min=39.9km az=-1.0.
ISC II 08 11 57 38.0–2.1 34.39N–.05 36.8E–.10 12–12 15 0-2
ISCJB II 08 11 57 37.1–1.9 34.37N–.04 36.82E–.10 0–14 ¶12855145
CSEM II 08 11 57 37.1–.20 34.35N 36.84E 2 2.1L
GRAL II 08 11 57 38.9–.35 34.38N 36.79E 0–95 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.6km az=6.6.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=91.0.
GRAL Error ellipse: s-maj=4.9km s-min=4.5km az=-1.0.
ISC II 09 07 24 14.0–.93 36.09N–.03 36.05E–.04 7–6 39 0-3
ISK II 09 07 24 12.8 36.04N 36.05E 6 3.0 ¶12855151
ISCJB II 09 07 24 13.5–.83 36.10N–.03 36.03E–.06 2–6 3.0
DDA II 09 07 24 13.3 36.10N 36.06E 2 3.3
CSEM II 09 07 24 13.6–.17 36.09N 36.04E 2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.3km az=176.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.0km az=81.0.
ISC II 09 09 50 29.6–1.7 34.40N–.07 36.69E–.07 10–12 14 0-2
GRAL II 09 09 50 28.5–.38 34.36N 36.82E 4–6 3.0 ¶12855150
CSEM II 09 09 50 29.4–.58 34.42N 36.68E 2 1.9L
ISC Event type ke.
GRAL Error ellipse: s-maj=7.0km s-min=4.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.5km s-min=7.1km az=33.0.
ISC II 09 16 08 54.6–1.2 33.81N–.02 35.92E–.03 1–11 41 0-4
CSEM II 09 16 08 54.9–.15 33.84N 35.89E 2 3.2L ¶12855148
GRAL II 09 16 08 55.4–.28 33.82N 35.91E 0–19 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=116.0.
GRAL Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
ISC II 11 11 48 13.0–1.3 36.40N–.03 41.00E–.03 2–11 58 1-4
DDA II 11 11 48 11.9 36.38N 41.05E 10 3.5 ¶12855153
NSSC II 11 11 48 11.9 36.36N 41.05E 7 3.4L,3.1W
ISK II 11 11 48 15.8 36.58N 40.74E 5 3.6L,3.1W
CSEM II 11 11 48 15.0–.33 36.45N 41.05E 10 3.5,3.1W
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=6.9km az=11.0.
ISC II 12 17 37 20.1–1.3 34.36N–.03 35.56E–.04 4–10 54 0-5
CSEM II 12 17 37 20.0–.29 34.37N 35.53E 0–1 3.1L ¶12855154
GRAL II 12 17 37 22.4–.27 34.30N 35.66E 1–29 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=126.0.
GRAL Error ellipse: s-maj=2.3km s-min=3.2km az=-1.0.
ISC II 14 12 07 26.3–1.6 36.32N–.06 37.04E–.06 1–12 26 0-2
DDA II 14 12 07 26.2 36.36N 37.04E 7 2.8 ¶13434620
ISK II 14 12 07 26.8 36.33N 36.99E 8 2.8
CSEM II 14 12 07 26.6–.44 36.32N 37.02E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=5.1km az=135.0.
ISC II 17 14 31 06.5–1.8 36.92N–.08 37.71E–.04 2–13 25 0-2
CSEM II 17 14 31 03.3–.99 36.73N 37.70E 2 3.2 ¶13434774
ISK II 17 14 31 04.0 36.83N 37.68E 3 2.8
DDA II 17 14 31 11.5 37.10N 37.63E 7 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=22.2km s-min=9.4km az=3.0.
DDA Event type ke.
DDA II 18 16 15 12.8 36.75N 36.15E 16 3.1
CSEM II 18 16 15 12.8 36.75N 36.15E 16 3.1 ¶15133469
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC II 19 15 19 01.5–1.1 36.41N–.03 40.93E–.02 8–9 69 1-3
ISCJB II 19 15 19 01.6–.72 36.37N–.03 40.93E–.04 7–5 ¶12855260
NSSC II 19 15 19 01.3–2.1 36.39N 40.96E 8–8 2.6L,1.3
ISK II 19 15 19 01.8 36.51N 40.93E 5 3.3,1.3
CSEM II 19 15 19 01.9–.35 36.37N 40.92E 5 2.6L,1.3
DDA II 19 15 19 02.2 36.48N 40.94E 6 3.2,1.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=137.2.
NSSC Error ellipse: s-maj=4.9km s-min=12.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.5km az=142.0.
DDA Event type ke.
ISC II 23 01 25 22.6–1.5 34.20N–.05 36.44E–.08 3–8 26 0-4
ISCJB II 23 01 25 21.9–1.5 34.20N–.05 36.48E–.10 5–7 ¶14359453
GRAL II 23 01 25 22.6–.29 34.24N 36.49E 1–6 2.9
CSEM II 23 01 25 22.3–.18 34.19N 36.46E 2 2.9L
DDA II 23 01 25 26.5 35.04N 35.11E 11 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=5.9km az=22.2.
GRAL Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.3km az=124.0.
DDA Event type ke.
ISC II 24 11 40 53.8–1.2 33.78N–.04 36.93E–.04 15–11 23 0-1
NSSC II 24 11 40 53.5 33.77N 36.93E 0 3.2W,2.0L ¶15699853
CSEM II 24 11 40 53.8–.22 33.78N 36.93E 30 1.8L,2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.1km az=134.0.
ISC III 04 03 08 07.2–1.3 34.08N–.02 37.71E–.03 3–10 100 0-6
ISCJB III 04 03 08 07.0–.91 34.12N–.03 37.72E–.04 2–6 ¶12855473
NSSC III 04 03 08 07.1–2.1 34.09N 37.66E 1–5 2.9L,1.8
CSEM III 04 03 08 07.7–.21 34.10N 37.70E 2 2.9L,1.8
ISK III 04 03 08 29.7 35.90N 37.63E 5 3.9,1.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=2.6km az=38.4.
NSSC Error ellipse: s-maj=3.4km s-min=4.6km az=-1.0. Moment Tensor Solution. NP1: ϕ_s216.28000°,δ48.44000°,λ-30.79000°.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.9km az=126.0.
ISC III 09 17 24 03.8–.91 33.21N–.02 35.79E–.03 9–8 41 0-3
ISCJB III 09 17 24 03.8–.41 33.21N–.02 35.77E–.04 9–4 ¶12855477
GRAL III 09 17 24 04.1–.27 33.19N 35.82E 3–3 2.5
NSSC III 09 17 24 04.0–1.2 33.19N 35.79E 4–6 2.2L,0.7
CSEM III 09 17 24 04.0–.13 33.22N 35.79E 5 2.5L,0.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=18.4.
GRAL Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0.
NSSC Error ellipse: s-maj=2.1km s-min=6.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=108.0.
ISC III 09 17 24 57.6–1.2 33.20N–.02 35.81E–.02 1–10 69 0-4
GRAL III 09 17 24 56.9–.28 33.15N 35.85E 2–2 3.5 ¶12855476
ISCJB III 09 17 24 57.2–.47 33.19N–.02 35.79E–.03 1–4 3.5
NSSC III 09 17 24 57.8–1.6 33.19N 35.84E 0–3 3.0L,1.6
CSEM III 09 17 24 57.3–.11 33.19N 35.80E 2 3.5,1.6
ISC Event type ke.
GRAL Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=16.1.
NSSC Error ellipse: s-maj=2.3km s-min=5.5km az=-1.0. Moment Tensor Solution. NP1:ϕ_s39.24000°,δ34.78000°,λ42.19000°.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=96.0.
ISC III 09 18 27 44.1–.91 33.21N–.02 35.79E–.02 12–9 50 0-2
GRAL III 09 18 27 43.8–.34 33.16N 35.83E 0–64 2.9 ¶12855475
NSSC III 09 18 27 43.9–1.1 33.18N 35.80E 0–3 2.1L,1.4
ISCJB III 09 18 27 44.1–.35 33.20N–.02 35.79E–.03 3–5 2.1L,1.4
CSEM III 09 18 27 44.1–.13 33.20N 35.80E 2 2.9L,1.4
ISC Event type ke.
GRAL Error ellipse: s-maj=2.5km s-min=4.6km az=-1.0.
NSSC Error ellipse: s-maj=1.9km s-min=5.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=123.0.
ISC III 10 12 53 24.4–1.7 36.64N–.05 36.33E–.06 0–18 14 0-2
CSEM III 10 12 53 23.7–1.0 36.56N 36.18E 12 3.0 ¶13435922
ISCJB III 10 12 53 24.3–1.2 36.65N–.08 36.20E–.09 4–12 3.0
DDA III 10 12 53 24.1 36.55N 36.38E 7 3.0
ISK III 10 12 53 30.4 37.07N 36.35E 23 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=28.1km s-min=22.3km az=8.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=11.1km az=157.1.
DDA Event type ke.
ISC III 10 15 20 45.2–1.4 36.82N–.06 37.09E–.05 5–14 18 0-2
DDA III 10 15 20 43.1 36.73N 37.01E 15 2.8 ¶13435930
ISK III 10 15 20 45.3 36.91N 37.07E 5 2.6
CSEM III 10 15 20 45.0–.36 36.80N 37.01E 2 2.8
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=7.9km az=85.0.
NSSC III 11 11 42 59.4–2.0 33.72N 36.77E 12–7 2.1L,1.9
CSEM III 11 11 42 59.4–.19 33.69N 36.71E 20 2.2L,1.9 ¶15699865
GRAL III 11 11 43 01.9–.31 33.70N 36.33E 72–8 3.2,1.9
NSSC Error ellipse: s-maj=2.9km s-min=4.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=97.0.
GRAL Error ellipse: s-maj=2.5km s-min=15.4km az=-1.0.
DDA III 15 11 23 12.1 36.63N 40.09E 7 2.9
¶15134395
DDA Event type ke.
DDA III 17 12 26 51.7 36.42N 37.28E 7 3.0
¶15134456
DDA Event type ke.
ISC III 17 15 18 59.5–1.4 36.45N–.05 37.90E–.05 13–15 26 1-2
NSSC III 17 15 18 58.7–2.0 35.94N 38.53E 126–17 2.8L,1.4 ¶12855492
CSEM III 17 15 18 59.5–.23 36.44N 37.89E 15 2.8L,1.4
DDA III 17 15 19 00.1 36.52N 37.85E 7 3.5L,1.4
ISC Event type ke.
NSSC Error ellipse: s-maj=20.5km s-min=16.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.7km az=57.0.
DDA Event type ke.
ISC III 18 10 32 32.3–.94 33.68N–.03 36.17E–.05 28–7 30 0-1
CSEM III 18 10 32 32.3–.44 33.68N 36.20E 30 1.8L ¶12855493
ISCJB III 18 10 32 33.0–.59 33.69N–.03 36.27E–.08 32–5 1.8L
NSSC III 18 10 32 33.0–3.1 33.66N 36.27E 32–7 1.7L,1.2
GRAL III 18 10 32 37.4–.29 33.82N 35.82E 13–2 2.9,1.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.5km s-min=9.3km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.0km az=174.8.
NSSC Error ellipse: s-maj=7.0km s-min=13.8km az=-1.0.
GRAL Error ellipse: s-maj=0.7km s-min=2.7km az=-1.0.
ISC III 18 14 55 09.0–.91 36.06N–.03 36.25E–.03 9–6 43 0-7
ISCJB III 18 14 55 08.5–.61 36.00N–.04 36.29E–.04 9–4 ¶13436667
ISK III 18 14 55 08.1 36.01N 36.30E 7 2.8
DDA III 18 14 55 08.8 36.12N 36.22E 8 3.1
CSEM III 18 14 55 08.6–.17 36.03N 36.25E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=27.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=28.0.
ISC III 19 10 06 33.9–2.1 33.21N–.04 35.37E–.09 7–10 28 0-37
NSSC III 19 10 06 34.6–2.0 33.15N 35.29E 22–13 1.8L,1.2 ¶12855497
CSEM III 19 10 06 34.3–.70 33.15N 35.34E 12 1.8L,1.2
GRAL III 19 10 06 41.2–.29 33.39N 35.70E 3–17 2.8,1.2
ISC Event type ke.
NSSC Error ellipse: s-maj=8.4km s-min=14.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=14.9km s-min=6.1km az=69.0.
GRAL Error ellipse: s-maj=1.8km s-min=7.0km az=-1.0.
DDA III 19 10 22 37.6 36.22N 37.15E 7 2.7
¶15134505
DDA Event type ke.
ISC III 23 21 54 54.1–1.5 35.03N–.03 40.51E–.03 12–12 68 1-8
DDA III 23 21 54 49.5 34.89N 40.49E 7 3.7 ¶12855502
ISK III 23 21 54 52.3 35.06N 40.53E 5 3.5L
ISCJB III 23 21 54 53.2–.91 35.01N–.03 40.55E–.04 4–6 3.5L
CSEM III 23 21 54 54.5–.27 35.02N 40.53E 10 3.0L
NSSC III 23 21 54 56.9–2.5 35.14N 40.50E 10–16 3.0L
KISR III 23 21 54 57.1–.87 35.08N 41.86E 34 3.0L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.4km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.7km az=43.0.
NSSC Error ellipse: s-maj=11.4km s-min=21.3km az=-1.0.
KISR Error ellipse: s-maj=80.8km s-min=88.3km az=-1.0.
ISC III 23 22 43 34.5–1.4 36.42N–.04 40.97E–.04 5–12 49 1-4
DDA III 23 22 43 31.8 36.36N 41.01E 21 3.4 ¶12855501
ISK III 23 22 43 33.9 36.32N 40.91E 12 3.6
ISCJB III 23 22 43 34.6–1.0 36.47N–.04 40.94E–.04 3–8 3.6
CSEM III 23 22 43 36.7–.38 36.59N 40.94E 10 3.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.2km az=27.3.
CSEM Event type ke. Error ellipse: s-maj=11.2km s-min=7.5km az=20.0.
ISC III 25 02 19 38.3–2.7 35.0N–.10 40.57E–.08 10–11 43 1-5
ISK III 25 02 19 37.0 34.86N 40.51E 25 3.9 ¶12855504
NSSC III 25 02 19 37.8–1.5 35.04N 40.60E 6–10 2.6L
CSEM III 25 02 19 38.2–.70 35.05N 40.54E 5 2.6L
ISC Event type ke.
NSSC Error ellipse: s-maj=9.0km s-min=13.6km az=-1.0.

CSEM Event type ke. Error ellipse: s-maj=14.9km s-min=7.3km az=141.0.
DDA III 25 10 53 04.6 36.37N 37.59E 7 3.0
CSEM III 25 10 53 04.6 36.37N 37.59E 7 3.0 ¶15134642
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
NSSC III 30 00 59 40.8–3.5 35.20N 36.55E 11–9 1.9L,0.7
CSEM III 30 00 59 40.8 35.20N 36.55E 11 1.9L,0.7 ¶15699887
NSSC Error ellipse: s-maj=21.9km s-min=17.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NSSC.
ISC III 30 09 59 01.0–1.7 36.34N–.04 37.05E–.07 4–13 20 0-3
NSSC III 30 09 58 56.3–2.7 36.36N 37.41E 0–13 1.8L,1.2 ¶12855510
CSEM III 30 09 58 56.9–.36 36.21N 37.44E 2 2.7,1.2
DDA III 30 09 59 02.1 36.37N 37.01E 7 2.7,1.2
ISC Event type ke.
NSSC Error ellipse: s-maj=14.3km s-min=9.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=7.4km az=3.0.
DDA Event type ke.
ISC IV 02 11 10 29.2–1.5 33.88N–.03 36.61E–.05 0–13 22 0-1
NSSC IV 02 11 10 28.5–2.5 33.89N 36.49E 0–11 2.0L,1.6 ¶13928357
CSEM IV 02 11 10 32.2–.32 33.98N 36.58E 60 3.1L,1.6
GRAL IV 02 11 10 33.4–.48 34.00N 36.55E 58–5 3.1,1.6
ISC Event type ke.
NSSC Error ellipse: s-maj=4.9km s-min=10.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=8.0km az=73.0.
GRAL Error ellipse: s-maj=4.8km s-min=10.4km az=-1.0.
ISC IV 03 09 53 58.1–1.0 33.43N–.03 35.61E–.04 12–8 32 0-2
CSEM IV 03 09 53 57.9–.28 33.42N 35.57E 10 2.7L ¶13928359
NSSC IV 03 09 53 58.6–1.1 33.40N 35.60E 11–5 1.9L,1.1
GRAL IV 03 09 53 58.9–.31 33.42N 35.61E 0–46 2.7,1.1
ISCJB IV 03 09 53 58.1–.81 33.43N–.04 35.59E–.05 10–6 2.7,1.1
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 04 09 52 44.9–.91 35.78N–.03 36.49E–.05 17 18 0-3
CSEM IV 04 09 52 44.5–.17 35.77N 36.52E 2 2.2L ¶13928360
DDA IV 04 09 52 45.3 35.83N 36.51E 8 2.9
NSSC IV 04 09 52 45.3–3.6 35.79N 36.50E 0–40 2.2L
ISCJB IV 04 09 52 45.1–.67 35.76N–.04 36.45E–.07 17 2.2L
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
NSSC IV 04 10 01 52.1–2.5 34.55N 36.72E 14–13 1.8L
CSEM IV 04 10 01 51.2 34.45N 36.65E 0 1.8L ¶15699899
NSSC Error ellipse: s-maj=9.0km s-min=14.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NSSC.
ISC IV 08 01 27 34.0–1.4 33.25N–.05 35.37E–.06 16–9 30 0-2
NSSC IV 08 01 27 34.5–1.4 33.31N 35.39E 10–7 1.5L,0.9 ¶14370349
CSEM IV 08 01 27 34.3–.36 33.27N 35.36E 12 3.0L,0.9
GRAL IV 08 01 27 35.8–.27 33.28N 35.39E 1–38 3.0,0.9
ISCJB IV 08 01 27 35.0–1.2 33.30N–.04 35.41E–.06 11–6 3.0,0.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 09 05 38 41.7–1.1 36.46N–.02 36.99E–.02 11–9 71 0-3
ISCJB IV 09 05 38 41.6–.55 36.43N–.02 36.98E–.03 8–4 ¶13568028
CSEM IV 09 05 38 42.1–.20 36.43N 36.96E 10 3.1
NSSC IV 09 05 38 42.0–1.6 35.78N 37.10E 3–7 2.7L,1.1
DDA IV 09 05 38 42.9 36.61N 36.74E 8 3.1,1.1
ISK IV 09 05 38 42.1 36.49N 36.90E 5 3.1,1.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=135.5.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=164.0.
NSSC Error ellipse: s-maj=8.3km s-min=4.7km az=-1.0.
DDA Event type ke.
ISC IV 09 15 17 32.3–1.2 33.38N–.03 35.61E–.04 4–12 25 0-2
ISCJB IV 09 15 17 32.3–.90 33.42N–.05 35.57E–.06 10–8 ¶13928377
CSEM IV 09 15 17 32.4–.41 33.38N 35.56E 5 1.7L
GRAL IV 09 15 17 33.4–.27 33.44N 35.60E 11–4 3.0
NSSC IV 09 15 17 34.3–1.4 33.26N 35.65E 2–17 1.7L,1.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.9km az=31.9.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.8km az=61.0.
GRAL Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0.
NSSC Error ellipse: s-maj=9.8km s-min=22.3km az=-1.0.
NSSC IV 10 01 32 58.1–2.9 35.29N 38.46E 0–8 2.2L
CSEM IV 10 01 32 58.3–.32 35.27N 38.48E 2 2.2L ¶15699992
NSSC Error ellipse: s-maj=5.6km s-min=7.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=5.8km az=124.0.
ISC IV 10 15 24 58.9–1.6 34.02N–.08 35.8E–.20 16–13 11 0-2
NSSC IV 10 15 24 22.2–47 32.96N 34.56E 5–999 1.7L ¶13928385
CSEM IV 10 15 24 59.7 34.07N 35.71E 7 2.7L
GRAL IV 10 15 24 59.7–.36 34.07N 35.71E 8–3 2.7
ISC Event type ke.
NSSC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GRAL.
GRAL Error ellipse: s-maj=3.3km s-min=8.2km az=-1.0.
NSSC IV 13 10 28 10.5–4.1 33.76N 36.65E 5–52 2.2L,1.7
CSEM IV 13 10 28 10.8 33.76N 36.63E 15 2.2L,1.7 ¶15700018
NSSC Error ellipse: s-maj=20.6km s-min=22.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NSSC.
ISC IV 17 11 04 00.3–1.0 33.35N–.02 35.42E–.03 6–9 166 0-9
ISCJB IV 17 11 03 59.9–.32 33.34N–.01 35.39E–.02 11–3 ¶12611368
HLW IV 17 11 04 00.8 33.51N 35.47E 31–32 3.9L,3.8
CSEM IV 17 11 04 00.3–.09 33.34N 35.41E 2 3.9W,3.8
GRAL IV 17 11 04 01.0–.33 33.34N 35.46E 7–1 4.3,3.8
NSSC IV 17 11 04 01.3–1.9 33.28N 35.52E 5–15 3.8L,3.8
NIC IV 17 11 04 03.8–.20 33.45N 35.23E 10 4.3b,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=19.3.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=94.0.
GRAL Error ellipse: s-maj=0.7km s-min=1.3km az=-1.0.
NSSC Error ellipse: s-maj=5.5km s-min=12.0km az=-1.0. Moment Tensor Solution. NP1: ϕ_s327.47000°,δ50.73000°,λ-8.29000°.
NIC Moment Tensor Solution. $M_0$4.90000×10^{14}
ISC IV 17 11 08 51.9–.00 33.34N–.02 35.41E–.03 11–8 46 0-3
NSSC IV 17 11 08 51.7–.91 33.30N 35.41E 0–10 2.1L ¶13928424
ISCJB IV 17 11 08 51.7–.52 33.35N–.03 35.40E–.04 8–4 2.1L
GRAL IV 17 11 08 52.3–.30 33.32N 35.41E 4–3 2.9
CSEM IV 17 11 08 52.0–.20 33.35N 35.41E 10 2.1L
ISC Event type ke.
NSSC Error ellipse: s-maj=6.7km s-min=17.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=37.5.
GRAL Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=127.0.
ISC IV 17 12 22 24.8–1.0 33.33N–.02 35.45E–.03 11–9 46 0-2
NSSC IV 17 12 22 22.7–1.5 33.38N 35.37E 2–10 1.7L,1.2 ¶13928425
ISCJB IV 17 12 22 24.1–.50 33.34N–.02 35.42E–.04 9–4 1.7L,1.2
CSEM IV 17 12 22 24.2–.16 33.34N 35.43E 10 2.9L,1.2
GRAL IV 17 12 22 25.0–.32 33.31N 35.45E 5–2 2.9,1.2
ISC Event type ke.
NSSC Error ellipse: s-maj=13.5km s-min=15.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=22.9.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.1km az=118.0.
GRAL Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
GRAL IV 17 14 41 09.5–.31 33.31N 35.44E 4–3 2.6
NSSC IV 17 14 41 08.7–.89 33.72N 35.68E 30–4 1.7L,1.1 ¶13928426
CSEM IV 17 14 41 12.5–.65 33.51N 35.84E 20 2.6L,1.1
GRAL Error ellipse: s-maj=1.6km s-min=2.6km az=-1.0.
NSSC Error ellipse: s-maj=8.2km s-min=9.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=24.1km s-min=12.0km az=54.0.

GRAL IV 17 15 28 59.8–.66 33.25N 35.48E 19–29 2.6
CSEM IV 17 15 29 00.0–.63 33.34N 35.47E 15 2.6L ¶13928427
NSSC IV 17 15 29 01.0–1.4 33.33N 35.56E 12–9 1.2L,0.9
GRAL Error ellipse: s-maj=8.9km s-min=16.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=5.9km az=64.0.
NSSC Error ellipse: s-maj=14.4km s-min=10.4km az=-1.0.
GRAL IV 17 16 38 47.6–.30 33.31N 35.43E 4–3 2.6
NSSC IV 17 16 38 45.9–1.5 33.28N 35.33E 8–7 1.5L ¶13928428
CSEM IV 17 16 38 46.1–.44 33.32N 35.35E 10 2.6L
GRAL Error ellipse: s-maj=1.6km s-min=2.6km az=-1.0.
NSSC Error ellipse: s-maj=6.4km s-min=11.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=3.8km az=79.0.
ISC IV 17 19 06 35.7–1.1 33.32N–.02 35.47E–.03 2–11 79 0-6
HLW IV 17 19 06 31.1 33.69N 35.74E 18–22 3.7,3.1L ¶13928429
NSSC IV 17 19 06 34.8–1.2 33.30N 35.42E 0–5 2.9L,3.1L
ISCJB IV 17 19 06 35.1–.41 33.33N–.02 35.40E–.03 8–3 2.9L,3.1L
GRAL IV 17 19 06 35.4–.54 33.28N 35.43E 12–5 3.5,3.1L
CSEM IV 17 19 06 35.5–.14 33.33N 35.44E 5 3.0,3.1L
ISC Event type ke.
NSSC Error ellipse: s-maj=3.4km s-min=6.8km az=-1.0. Moment Tensor Solution. NP1: ϕ_s148.34000°,δ43.96000°,λ-22.18000°.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=28.7.
GRAL Error ellipse: s-maj=5.4km s-min=5.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=146.0.
ISC IV 17 20 49 36.3–1.3 33.30N–.04 35.43E–.05 11–11 26 0-2
NSSC IV 17 20 49 35.2–1.1 33.32N 35.38E 5–5 1.3,1.2L ¶13928430
CSEM IV 17 20 49 35.5–.36 33.31N 35.37E 12 2.7L,1.2L
ISCJB IV 17 20 49 35.8–1.2 33.31N–.05 35.41E–.07 8–7 2.7L,1.2L
GRAL IV 17 20 49 36.8–.29 33.30N 35.42E 5–2 2.7,1.2L
ISC Event type ke.
NSSC Error ellipse: s-maj=4.8km s-min=9.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.2km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.0km az=155.2.
GRAL Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0.
ISC IV 17 23 32 39.4–1.3 33.27N–.03 35.44E–.06 7–11 32 0-2
ISCJB IV 17 23 32 38.8–1.1 33.27N–.04 35.41E–.06 2–6 ¶13928431
CSEM IV 17 23 32 38.7–.35 33.27N 35.38E 10 3.0L
GRAL IV 17 23 32 40.7–.36 33.32N 35.45E 4–16 3.0
NSSC IV 17 23 32 40.0–1.3 33.22N 35.48E 0–6 1.5L,1.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.7km az=159.9.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.0km az=70.0.
GRAL Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0.
NSSC Error ellipse: s-maj=3.7km s-min=10.3km az=-1.0.
ISC IV 18 10 37 37.2–1.4 33.66N–.05 36.62E–.04 10–10 22 0-1
NSSC IV 18 10 37 35.8–.63 33.71N 36.64E 1–6 1.9L,0.9 ¶13928433
CSEM IV 18 10 37 37.9–.54 33.62N 36.67E 2 1.9L,0.9
GRAL IV 18 10 37 40.4–.31 33.70N 36.66E 27–32 3.2,0.9
ISC Event type ke.
NSSC Error ellipse: s-maj=7.1km s-min=2.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.4km s-min=6.0km az=47.0.
GRAL Error ellipse: s-maj=1.8km s-min=12.4km az=-1.0.
ISC IV 18 11 00 32.0–2.0 34.41N–.03 36.71E–.08 3–16 28 1-2
NSSC IV 18 11 00 31.6–2.0 34.31N 36.02E 9–18 2.2L ¶13928434
CSEM IV 18 11 00 32.1–.28 34.40N 36.70E 2 2.2L
GRAL IV 18 11 00 34.3–.41 34.48N 36.62E 8–8 3.1
ISC Event type ke.
NSSC Error ellipse: s-maj=4.1km s-min=19.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=4.4km az=93.0.
GRAL Error ellipse: s-maj=7.3km s-min=8.1km az=-1.0.
GRAL IV 18 22 37 43.1–.30 33.30N 35.46E 1–102 2.6
CSEM IV 18 22 37 43.1 33.30N 35.46E 0 2.6L ¶16555938
GRAL Error ellipse: s-maj=1.2km s-min=8.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GRAL.
ISC IV 21 00 15 45.1–1.2 33.32N–.03 35.45E–.05 13–10 30 0-2
CSEM IV 21 00 15 44.8–.18 33.32N 35.43E 10 1.6L ¶13928443
NSSC IV 21 00 15 44.5–.76 33.33N 35.44E 3–7 1.7L,1.1
ISCJB IV 21 00 15 45.0–1.1 33.32N–.04 35.45E–.06 9–6 1.7L,1.1
GRAL IV 21 00 15 45.5–.30 33.29N 35.44E 4–2 2.8,1.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=75.0.
NSSC Error ellipse: s-maj=4.3km s-min=10.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.9km az=166.8.
GRAL Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0.
ISC IV 21 00 17 51.2–1.8 33.16N–.04 35.37E–.07 0–22 24 0-1
NSSC IV 21 00 17 50.8–1.2 33.16N 35.37E 0–15 1.4L ¶13928444
CSEM IV 21 00 17 51.2–.46 33.16N 35.36E 12 1.4L
ISCJB IV 21 00 17 51.4–1.4 33.18N–.05 35.37E–.08 9–7 1.4L
GRAL IV 21 00 17 54.9–.31 33.30N 35.43E 0–66 2.7
ISC Event type ke.
NSSC Error ellipse: s-maj=6.7km s-min=25.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=5.3km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=7.6km az=164.1.
GRAL Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0.
ISC IV 21 00 41 51.4–1.3 33.33N–.04 35.39E–.05 13–10 30 0-2
CSEM IV 21 00 41 51.2–.22 33.33N 35.38E 10 1.6L ¶13928445
GRAL IV 21 00 41 51.7–.63 33.29N 35.39E 4–5 2.8
ISCJB IV 21 00 41 51.4–1.2 33.31N–.04 35.41E–.06 8–6 2.8
NSSC IV 21 00 41 52.0–.52 33.30N 35.44E 7–2 1.5L,1.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=78.0.
GRAL Error ellipse: s-maj=3.6km s-min=3.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.0km az=166.4.
NSSC Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0.
ISC IV 21 09 32 06.8–1.7 35.45N–.05 36.66E–.09 3–15 24 1-3
NSSC IV 21 09 32 01.2–1.4 35.83N 36.74E 0–7 1.6L ¶13928448
CSEM IV 21 09 32 07.5–.39 35.46N 36.64E 2 2.9
DDA IV 21 09 32 08.6 35.46N 36.64E 3 2.9
ISC Event type ke.
NSSC Error ellipse: s-maj=3.3km s-min=7.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=19.0km s-min=6.2km az=81.0.
DDA Event type ke.
ISC IV 21 10 49 52.5–1.2 36.40N–.03 40.82E–.03 2–12 24 1-2
NSSC IV 21 10 49 51.4–1.2 36.40N 40.86E 0–5 2.1L ¶13928452
CSEM IV 21 10 49 52.2–.44 36.38N 40.83E 2 2.1L
DDA IV 21 10 49 53.3 36.51N 40.64E 7 2.9
ISC Event type ke.
NSSC Error ellipse: s-maj=2.7km s-min=7.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.1km az=95.0.
DDA Event type ke.
DDA IV 21 11 16 05.4 36.88N 37.53E 7 2.5
¶15136024
DDA Event type ke.
ISC IV 22 08 24 28.2–1.6 33.82N–.06 36.97E–.05 8–18 22 1-1
NSSC IV 22 08 24 28.4–.71 33.77N 36.97E 0–6 2.0L,1.9 ¶13928455
CSEM IV 22 08 24 30.0–.25 33.74N 36.88E 30 2.0L,1.9
GRAL IV 22 08 24 31.6–.32 33.77N 36.82E 0–217 3.1,1.9
ISC Event type ke.
NSSC Error ellipse: s-maj=8.8km s-min=4.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.7km az=43.0.
GRAL Error ellipse: s-maj=1.5km s-min=6.5km az=-1.0.
ISC IV 22 08 34 08.6–2.2 33.66N–.05 35.5E–.10 10–10 27 0-2
NSSC IV 22 08 34 09.6–1.7 33.63N 35.61E 0–10 1.5L,1.2 ¶13928456
CSEM IV 22 08 34 10.5–.24 33.77N 35.67E 12 2.9L,1.2
GRAL IV 22 08 34 12.2–.31 33.79N 35.77E 0–28 2.9,1.2
ISC Event type ke.
NSSC Error ellipse: s-maj=6.3km s-min=17.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=3.3km az=68.0.
GRAL Error ellipse: s-maj=0.9km s-min=2.7km az=-1.0.
ISC IV 23 14 50 40.2–1.1 33.97N–.03 36.14E–.05 12–10 28 0-1
ISCJB IV 23 14 50 39.8–.74 33.97N–.03 36.16E–.07 6–9 ¶13928465

NSSC IV 23 14 50 39.0–1.1 33.99N 36.07E 12–6 1.6L
CSEM IV 23 14 50 40.0–.16 33.97N 36.13E 12 2.9L
GRAL IV 23 14 50 40.4–.29 33.99N 36.15E 20–9 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.3km az=168.0.
NSSC Error ellipse: s-maj=6.2km s-min=7.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.4km az=52.0.
GRAL Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0.
ISC IV 25 07 52 07.2–1.0 33.64N–.03 35.94E–.03 10–8 32 0-1
NSSC IV 25 07 52 05.8–.81 33.70N 35.91E 2–5 2.3L,1.1 ¶13928466
CSEM IV 25 07 52 07.0–.19 33.65N 35.94E 2 2.3L,1.1
ISCJB IV 25 07 52 07.2–.60 33.65N–.03 35.94E–.04 5–6 2.3L,1.1
GRAL IV 25 07 52 07.4–.29 33.62N 35.99E 0–20 3.1,1.1
ISC Event type ke.
NSSC Error ellipse: s-maj=6.5km s-min=5.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=143.2.
GRAL Error ellipse: s-maj=0.7km s-min=2.6km az=-1.0.
ISC IV 26 11 54 26.6–1.3 33.99N–.04 36.14E–.05 12–13 22 0-1
GRAL IV 26 11 54 24.9–.31 34.06N 36.10E 56–4 2.9 ¶13928470
NSSC IV 26 11 54 25.3–.55 34.04N 36.12E 0–4 1.5L
CSEM IV 26 11 54 27.1–.29 33.97N 36.11E 12 2.9L
ISCJB IV 26 11 54 27.8–.74 33.98N–.04 36.1E–.10 18–11 2.9L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 28 13 21 11.4–3.0 34.7N–.20 36.66E–.05 28–14 22 1-2
GRAL IV 28 13 21 10.8–.42 34.64N 36.82E 15–999 3.1 ¶13928477
NSSC IV 28 13 21 12.5–.98 34.65N 36.71E 33–9 1.5L,1.1
CSEM IV 28 13 21 13.2–.86 34.46N 36.63E 10 1.4L,1.1
ISC Event type ke.
GRAL Error ellipse: s-maj=5.3km s-min=23.1km az=-1.0.
NSSC Error ellipse: s-maj=10.6km s-min=9.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=20.2km s-min=6.8km az=4.0.
ISC IV 28 21 13 03.0–1.3 33.29N–.05 35.53E–.06 8–12 15 0-1
GRAL IV 28 21 13 04.7–.33 33.31N 35.45E 3–20 2.8 ¶14370464
NSSC IV 28 21 13 04.0–5.3 33.29N 35.59E 0–25 1.5L
CSEM IV 28 21 13 04.7 33.31N 35.45E 2 2.8L
ISC Event type ke.
GRAL Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
NSSC Error ellipse: s-maj=12.1km s-min=36.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GRAL.
ISC IV 28 21 17 29.0–1.5 33.27N–.03 35.44E–.06 1–12 24 0-1
ISCJB IV 28 21 17 28.2–1.2 33.27N–.04 35.41E–.07 1–8 ¶13928478
NSSC IV 28 21 17 28.3–1.2 33.24N 35.40E 0–6 1.2L
CSEM IV 28 21 17 28.7–.45 33.27N 35.44E 2 2.9L
GRAL IV 28 21 17 30.7–.28 33.33N 35.47E 1–43 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.8km az=164.3.
NSSC Error ellipse: s-maj=3.0km s-min=9.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=4.8km az=73.0.
GRAL Error ellipse: s-maj=1.0km s-min=2.0km az=-1.0.
ISC IV 29 09 02 46.0–1.7 34.42N–.03 36.61E–.08 3–14 23 0-2
CSEM IV 29 09 02 44.4–.74 34.39N 36.79E 3–6 2.3L ¶13928482
ISCJB IV 29 09 02 45.2–1.9 34.40N–.03 36.7E–.10 2–10 2.3L
NSSC IV 29 09 02 45.7–2.0 34.41N 36.61E 0–7 2.1L,1.4
GRAL IV 29 09 02 47.4–.31 34.43N 36.71E 14–999 3.2,1.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.2km s-min=4.9km az=104.0.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=4.9km az=11.5.
NSSC Error ellipse: s-maj=2.9km s-min=8.8km az=-1.0.
GRAL Error ellipse: s-maj=3.7km s-min=13.5km az=-1.0.
ISC V 02 19 45 42.4–1.1 36.60N–.02 36.60E–.03 5–11 42 0-2
ISCJB V 02 19 45 42.5–.53 36.58N–.02 36.63E–.04 0–7 ¶13839190
DDA V 02 19 45 43.0 36.63N 36.61E 7 3.2
CSEM V 02 19 45 43.2–.34 36.54N 36.68E 2 3.2
NSSC V 02 19 45 45.5–2.0 36.37N 36.73E 0–14 1.7L
ISK V 02 19 45 46.7 36.84N 36.58E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.4km az=24.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.9km s-min=5.3km az=116.0.
NSSC Error ellipse: s-maj=24.8km s-min=12.5km az=-1.0.
ISC V 03 02 36 54.4–1.3 36.36N–.02 40.76E–.02 3–10 94 1-6
DDA V 03 02 36 51.1 36.17N 40.85E 5 3.6 ¶13839206
NSSC V 03 02 36 54.4–2.4 36.43N 40.86E 9–10 3.4L
CSEM V 03 02 36 55.7–.39 36.34N 40.82E 2 3.4L
ISCJB V 03 02 36 55.3–.70 36.39N–.03 40.83E–.04 2–5 3.4L
ISK V 03 02 36 58.2 36.66N 40.88E 5 3.6L
ISC Event type ke.
DDA Event type ke.
NSSC Error ellipse: s-maj=5.5km s-min=12.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=6.9km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=38.6.
ISC V 03 09 18 15.8–1.8 36.53N–.06 36.90E–.07 0–13 13 0-2
NSSC V 03 09 18 07.4–1.6 36.64N 36.19E 1–12 2.0L,0.8 ¶13928493
DDA V 03 09 18 16.1 36.49N 36.96E 7 2.8,0.8
CSEM V 03 09 18 16.1 36.49N 36.96E 7 2.8,0.8
ISC Event type ke.
NSSC Error ellipse: s-maj=14.0km s-min=14.5km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC V 03 15 19 06.8–1.1 33.87N–.05 35.9E–.10 12–16 26 0-2
CSEM V 03 15 19 06.6–.66 33.84N 35.63E 20 1.5L ¶13928496
ISCJB V 03 15 19 06.8–.88 33.85N–.04 35.7E–.10 21–7 1.5L
NSSC V 03 15 19 07.1–1.5 33.91N 35.84E 13–13 1.5L
GRAL V 03 15 19 08.6–.30 33.78N 35.79E 0–27 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=24.4km s-min=7.8km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=5.5km az=170.4.
NSSC Error ellipse: s-maj=5.4km s-min=20.9km az=-1.0.
GRAL Error ellipse: s-maj=0.9km s-min=2.6km az=-1.0.
ISC V 06 02 13 24.7–1.0 33.33N–.02 35.47E–.03 10–8 37 0-3
GRAL V 06 02 13 24.8–.36 33.32N 35.45E 5–4 2.9 ¶13928503
NSSC V 06 02 13 24.4–.45 33.30N 35.44E 6–2 1.8L,1.5
CSEM V 06 02 13 24.4–.13 33.34N 35.46E 5 2.9L,1.5
ISCJB V 06 02 13 24.2–.51 33.34N–.03 35.44E–.04 10–4 2.9L,1.5
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 06 06 49 07.9–.85 34.07N–.02 35.72E–.02 29–5 127 0-7
NSSC V 06 06 49 05.7–2.0 34.10N 35.61E 14–9 3.4L,1.5 ¶12895819
CSEM V 06 06 49 07.4–.10 34.09N 35.69E 20 3.1W,1.5
ISCJB V 06 06 49 07.2–.32 34.10N–.02 35.66E–.03 28–3 3.1W,1.5
HLW V 06 06 49 08.8 34.12N 35.64E 20–27 3.1L,0.0
GRAL V 06 06 49 08.4–.25 34.08N 35.73E 27–1 4.1,0.0
NIC V 06 06 49 09.7–.20 34.08N 35.61E 25 3.3L,3.2W
ISC Event type ke.
NSSC Error ellipse: s-maj=2.8km s-min=8.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=12.0.
GRAL Error ellipse: s-maj=0.8km s-min=1.5km az=-1.0.
NIC Moment Tensor Solution. $M_0$5.30000×10^{13}
ISC V 06 20 48 42.0–1.5 33.33N–.04 35.39E–.07 13–11 32 0-2
NSSC V 06 20 48 42.6–1.1 33.30N 35.41E 10–5 1.7L ¶13928506
CSEM V 06 20 48 42.1–.19 33.33N 35.39E 12 3.0L
ISCJB V 06 20 48 42.3–1.1 33.33N–.04 35.40E–.06 11–5 3.0L
GRAL V 06 20 48 43.2–.30 33.32N 35.43E 6–2 3.0
ISC Event type ke.
NSSC Error ellipse: s-maj=4.1km s-min=8.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.7km az=161.6.
GRAL Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
NSSC V 07 11 29 24.9–2.1 34.41N 36.53E 60–13 1.6L
CSEM V 07 11 29 24.9 34.41N 36.53E 60 1.6L ¶15741801
NSSC Error ellipse: s-maj=6.3km s-min=10.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NSSC.
ISC V 08 15 17 57.4–1.1 36.48N–.03 36.40E–.03 4–11 24 0-1
CSEM V 08 15 17 54.6–.97 36.55N 36.46E 30 2.5 ¶13928510
NSSC V 08 15 17 55.6–2.0 36.41N 36.71E 35–7 1.8L,1.2
DDA V 08 15 17 57.5 36.54N 36.45E 6 2.5,1.2
ISCJB V 08 15 17 57.2–.58 36.44N–.03 36.41E–.06 10–5 2.5,1.2
ISC Event type ke.
CSEM Event type ke.
DDA Event type ke.
ISCJB Event type ke.
ISC V 08 22 34 22.6–1.1 33.26N–.03 35.49E–.03 7–10 38 0-2
NSSC V 08 22 34 23.6–2.4 33.23N 35.54E 1–10 1.6L,1.2 ¶13928511
ISCJB V 08 22 34 23.2–.57 33.26N–.03 35.51E–.03 3–6 1.6L,1.2
GRAL V 08 22 34 24.7–.25 33.32N 35.46E 4–1 3.0,1.2
CSEM V 08 22 34 24.1–.26 33.32N 35.49E 2 3.0L,1.2
ISC Event type ke.
NSSC Error ellipse: s-maj=5.3km s-min=14.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.6km az=18.6.
GRAL Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=112.0.
ISC V 09 10 57 29.2–1.0 33.78N–.03 35.72E–.06 19–3 20 0-2
NSSC V 09 10 57 26.3–4.7 34.08N 36.12E 0–36 1.7L ¶13928516
CSEM V 09 10 57 30.6–.06 33.78N 35.74E 5 2.8L
GRAL V 09 10 57 31.2–.27 33.78N 35.74E 8–3 2.8
ISC Event type ke.
NSSC Error ellipse: s-maj=32.1km s-min=124.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=92.0.
GRAL Error ellipse: s-maj=0.5km s-min=1.5km az=-1.0.
ISC V 09 13 41 47.3–.99 33.75N–.03 35.84E–.05 17–10 22 0-1
NSSC V 09 13 41 47.3–.56 33.77N 35.84E 10–6 1.5L,1.2 ¶13928518
CSEM V 09 13 41 47.4–.19 33.75N 35.85E 10 1.5L,1.2
ISCJB V 09 13 41 47.7–.61 33.75N–.07 35.9E–.20 12–21 1.5L,1.2
GRAL V 09 13 41 48.7–.30 33.74N 35.88E 0–31 2.7,1.2
ISC Event type ke.
NSSC Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.3km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=32.3km s-min=4.9km az=160.3.
GRAL Error ellipse: s-maj=0.8km s-min=2.5km az=-1.0.
ISC V 13 02 34 24.6–1.6 33.76N–.03 35.7E–.10 14–11 16 0-1
NSSC V 13 02 34 25.5–1.4 33.73N 35.69E 2–6 1.4L ¶14370542
ISCJB V 13 02 34 25.3–1.1 33.76N–.03 35.7E–.10 4–8 1.4L
GRAL V 13 02 34 26.6–.31 33.78N 35.76E 2–14 2.8
CSEM V 13 02 34 26.6 33.78N 35.76E 2 2.8L
ISC Event type ke.
NSSC Error ellipse: s-maj=2.6km s-min=8.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=4.6km az=178.7.
GRAL Error ellipse: s-maj=0.6km s-min=2.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GRAL.
NSSC V 13 09 54 58.2–1.1 34.45N 36.77E 0–5 1.8L,1.3
CSEM V 13 09 54 58.2 34.45N 36.77E 0 1.9L,1.3 ¶15741840
NSSC Error ellipse: s-maj=2.5km s-min=7.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NSSC.
ISC V 16 08 30 42.2–1.4 35.77N–.06 36.49E–.09 14–11 8 0-1
NSSC V 16 08 30 37.0–.59 36.01N 36.67E 4–7 1.9L ¶13928548
DDA V 16 08 30 45.9 36.01N 36.60E 6 2.8
ISC Event type ke.
NSSC Error ellipse: s-maj=6.3km s-min=12.4km az=-1.0.
DDA Event type ke.
ISC V 16 13 01 37.0–1.1 34.00N–.02 36.19E–.04 7–15 24 0-1
NSSC V 16 13 01 33.4–1.2 34.02N 35.87E 0–8 1.6L,1.4 ¶13928551
CSEM V 16 13 01 37.3–.42 34.00N 36.20E 10 1.6L,1.4
GRAL V 16 13 01 39.5–.30 33.99N 36.12E 0–59 2.9,1.4
ISC Event type ke.
NSSC Error ellipse: s-maj=3.4km s-min=14.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=7.2km az=90.0.
GRAL Error ellipse: s-maj=0.9km s-min=4.9km az=-1.0.
ISC V 17 10 09 09.5–1.4 35.96N–.03 36.69E–.05 0–13 26 0-1
NSSC V 17 10 09 09.1–1.4 35.97N 36.68E 0–13 2.0L ¶13928552
CSEM V 17 10 09 10.5–.59 35.89N 36.67E 2 2.0L
DDA V 17 10 09 11.2 36.02N 36.70E 6 2.9
ISC Event type ke.
NSSC Error ellipse: s-maj=12.3km s-min=16.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.3km s-min=8.2km az=107.0.
DDA Event type ke.
ISC V 17 15 55 14.8–1.1 33.75N–.02 35.82E–.05 15–10 25 0-1
ISCJB V 17 15 55 15.0–.60 33.75N–.02 35.85E–.06 6–8 ¶13928554
NSSC V 17 15 55 14.6–2.5 33.72N 35.88E 0–8 1.4L
CSEM V 17 15 55 14.9–.35 33.76N 35.79E 10 3.0L
GRAL V 17 15 55 16.4–.31 33.78N 35.77E 0–32 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.0km az=179.9.
NSSC Error ellipse: s-maj=4.5km s-min=13.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=4.6km az=91.0.
GRAL Error ellipse: s-maj=0.6km s-min=1.6km az=-1.0.
ISC V 18 07 08 20.7–1.0 36.26N–.03 36.04E–.04 15–9 28 0-1
DDA V 18 07 08 19.2 36.26N 35.97E 2 3.2 ¶13928556
ISCJB V 18 07 08 20.8–.72 36.24N–.03 36.04E–.06 9–7 3.2
NSSC V 18 07 08 20.9–1.7 36.25N 36.08E 15–6 2.5L
CSEM V 18 07 08 20.5–.32 36.26N 36.03E 10 3.2
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.9km az=18.4.
NSSC Error ellipse: s-maj=5.3km s-min=11.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.2km az=99.0.
ISC V 18 22 16 47.8–1.2 33.31N–.03 35.44E–.04 6–11 26 0-2
ISCJB V 18 22 16 47.5–.70 33.31N–.04 35.43E–.05 3–7 ¶13928563
NSSC V 18 22 16 47.3–.35 33.27N 35.43E 0–1 1.3,1.1L
CSEM V 18 22 16 47.6–.20 33.31N 35.44E 2 2.8L,1.1L
GRAL V 18 22 16 48.3–.28 33.31N 35.43E 0–51 2.8,1.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.1km az=44.5.
NSSC Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=123.0.
GRAL Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
ISC V 19 16 07 35.1–1.1 33.32N–.02 35.43E–.04 9–9 42 0-2
ISCJB V 19 16 07 34.9–.59 33.32N–.02 35.43E–.04 6–4 ¶13928566
CSEM V 19 16 07 34.9–.14 33.33N 35.43E 5 2.8L
GRAL V 19 16 07 35.1–.32 33.30N 35.40E 0–114 2.8
NSSC V 19 16 07 35.0–.60 33.30N 35.44E 2–2 1.7L,1.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=28.7.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.7km az=113.0.
GRAL Error ellipse: s-maj=1.8km s-min=5.5km az=-1.0.
NSSC Error ellipse: s-maj=1.5km s-min=4.4km az=-1.0.
ISC V 20 12 08 36.2–1.5 36.82N–.06 38.94E–.03 10–12 23 1-2
DDA V 20 12 08 35.7 36.92N 38.87E 7 2.8 ¶13928569
ISCJB V 20 12 08 36.9–2.1 36.85N–.05 38.91E–.04 12–15 2.8
CSEM V 20 12 08 36.6–.32 36.82N 38.91E 15 1.9L
NSSC V 20 12 08 36.6–2.5 36.76N 38.97E 0–12 1.9L,1.4
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.9km az=9.4.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=6.9km az=20.0.
NSSC Error ellipse: s-maj=13.7km s-min=5.6km az=-1.0.
ISC V 20 14 56 34.4–1.3 34.05N–.03 35.65E–.09 10–7 24 0-2
CSEM V 20 14 56 33.5–1.4 34.12N 35.51E 2 1.8L ¶13928571

GRAL V 20 14 56 35.5–.29 34.04N 35.72E 2–9 2.6
NSSC V 20 14 56 37.4–2.0 34.05N 35.74E 0–9 1.7L,0.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=31.3km s-min=8.7km az=112.0.
GRAL Error ellipse: s-maj=2.5km s-min=6.1km az=-1.0.
NSSC Error ellipse: s-maj=3.7km s-min=16.1km az=-1.0.
ISC V 21 01 41 58.9–1.2 33.55N–.03 35.61E–.05 9–9 25 0-2
ISCJB V 21 01 41 58.5–.82 33.55N–.03 35.59E–.06 2–7 **¶13928572**
NSSC V 21 01 41 58.8–.60 33.54N 35.62E 0–3 1.4L,0.9
CSEM V 21 01 41 58.8–.13 33.56N 35.59E 5 3.0L,0.9
GRAL V 21 01 41 59.6–.28 33.55N 35.61E 0–37 3.0,0.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=170.6.
NSSC Error ellipse: s-maj=1.4km s-min=4.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=94.0.
GRAL Error ellipse: s-maj=0.6km s-min=2.4km az=-1.0.
ISC V 21 08 16 45.9–1.2 36.86N–.04 36.06E–.03 8–10 30 0-1
ISK V 21 08 16 45.0 36.86N 36.08E 9 2.6 **¶13839926**
CSEM V 21 08 16 46.2–.37 36.90N 36.06E 10 2.6
DDA V 21 08 16 46.9 36.83N 36.01E 7 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.5km az=9.0.
DDA Event type ke.
ISC V 21 12 14 41.7–1.2 33.09N–.04 35.66E–.06 23–13 15 0-1
ISCJB V 21 12 14 41.9–.90 33.09N–.04 35.68E–.07 23–14 **¶14370586**
GRAL V 21 12 14 43.4–.27 33.14N 35.59E 14–3 2.7
CSEM V 21 12 14 43.4 33.14N 35.59E 14 2.7L
NSSC V 21 12 14 44.2–1.1 33.08N 35.87E 4–10 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.7km az=166.7.
GRAL Error ellipse: s-maj=3.0km s-min=3.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GRAL.
NSSC Error ellipse: s-maj=2.5km s-min=6.9km az=-1.0.
NSSC V 22 11 30 30.2–1.5 35.72N 36.30E 2–9 1.0L,0.3
CSEM V 22 11 30 30.2 35.72N 36.30E 2 1.0L,0.3 **¶15741893**
NSSC Error ellipse: s-maj=3.8km s-min=4.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NSSC.
ISC V 23 09 27 32.9–.85 34.57N–.03 36.32E–.04 15–5 33 0-2
NSSC V 23 09 27 30.7–2.5 34.50N 36.13E 0–12 3.0L **¶15741896**
CSEM V 23 09 27 31.7–.25 34.61N 36.40E 15 3.0L
GRAL V 23 09 27 34.3–.26 34.55N 36.35E 0–4 2.9
ISC Event type ke.
NSSC Error ellipse: s-maj=7.1km s-min=11.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.8km az=96.0.
GRAL Error ellipse: s-maj=1.7km s-min=1.5km az=-1.0.
ISC V 27 11 38 36.4–1.2 34.00N–.03 36.03E–.04 1–13 32 0-2
NSSC V 27 11 38 35.3–1.8 33.99N 35.94E 0–11 2.3L **¶13928594**
CSEM V 27 11 38 36.5–.37 34.00N 36.03E 2 3.0L
GRAL V 27 11 38 37.1–.33 34.02N 36.02E 0–35 3.0
ISC Event type ke.
NSSC Error ellipse: s-maj=14.3km s-min=16.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=5.9km az=56.0.
GRAL Error ellipse: s-maj=0.8km s-min=2.0km az=-1.0.
ISC V 28 11 45 38.7–.97 33.79N–.03 35.73E–.07 15–8 26 0-2
NSSC V 28 11 45 37.2–2.0 33.81N 35.61E 19–20 1.7L **¶13928596**
ISCJB V 28 11 45 38.3–1.4 33.79N–.04 35.7E–.10 20–7 1.7L
CSEM V 28 11 45 38.2–.31 33.78N 35.68E 15 2.9L
GRAL V 28 11 45 40.2–.28 33.79N 35.77E 0–23 2.9
ISC Event type ke.
NSSC Error ellipse: s-maj=25.3km s-min=22.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=6.1km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=3.9km az=77.0.
GRAL Error ellipse: s-maj=0.5km s-min=1.9km az=-1.0.
DDA V 30 08 57 20.2 36.28N 36.90E 28 2.8
¶15137049
DDA Event type ke.
ISC V 30 09 13 34.9–1.0 34.66N–.04 36.60E–.05 10 26 1-2
CSEM V 30 09 13 35.7–.61 34.67N 36.63E 10 1.7L **¶13928597**
ISCJB V 30 09 13 36.4–.97 34.62N–.05 36.62E–.05 10 1.7L
NSSC V 30 09 13 36.5–1.9 34.66N 36.55E 18–14 1.8L
GRAL V 30 09 13 39.2–.33 34.45N 36.73E 8–8 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=10.7km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.4km az=176.7.
NSSC Error ellipse: s-maj=5.8km s-min=8.3km az=-1.0.
GRAL Error ellipse: s-maj=7.2km s-min=5.8km az=-1.0.
ISC VI 01 10 54 37.5–1.3 36.76N–.05 38.33E–.05 17–10 23 1-2
NSSC VI 01 10 54 31.9–1.8 37.51N 38.24E 14–52 2.1L,1.7 **¶13928601**
CSEM VI 01 10 54 37.5–.60 36.72N 38.31E 8 2.1L,1.7
DDA VI 01 10 54 43.9 37.17N 38.64E 7 2.7,1.7
ISC Event type ke.
NSSC Error ellipse: s-maj=50.5km s-min=16.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=17.8km s-min=12.6km az=59.0.
DDA Event type ke.
ISC VI 02 10 32 47.4–1.4 34.59N–.02 36.64E–.04 7–12 29 1-2
NSSC VI 02 10 32 47.0–3.2 34.55N 36.42E 6–19 1.8L **¶13928605**
CSEM VI 02 10 32 50.0–.30 34.65N 36.69E 15 1.8L
GRAL VI 02 10 32 52.9–.32 34.44N 36.75E 19–92 3.2
ISC Event type ke.
NSSC Error ellipse: s-maj=5.5km s-min=14.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.2km az=84.0.
GRAL Error ellipse: s-maj=3.7km s-min=14.4km az=-1.0.
ISC VI 05 01 31 20.4–1.2 36.74N–.05 39.02E–.02 5–11 36 1-2
ISCJB VI 05 01 31 20.1–1.1 36.74N–.05 39.01E–.03 1–8 **¶13928623**
DDA VI 05 01 31 20.3 36.72N 39.00E 7 3.0
CSEM VI 05 01 31 20.6–.22 36.70N 39.01E 2 1.9L
NSSC VI 05 01 31 21.2–2.0 36.69N 39.02E 4–16 1.9L,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=3.6km az=13.4.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=3.9km az=11.0.
NSSC Error ellipse: s-maj=11.6km s-min=6.0km az=-1.0.
ISC VI 06 13 12 39.1–1.4 33.83N–.03 36.53E–.05 6–12 23 1-1
NSSC VI 06 13 12 39.4–1.7 33.82N 36.51E 0–8 1.6L **¶13928624**
CSEM VI 06 13 12 39.6–.32 33.82N 36.51E 5 1.6L
GRAL VI 06 13 12 41.4–.29 33.78N 36.43E 7–5 3.1
ISC Event type ke.
NSSC Error ellipse: s-maj=3.5km s-min=7.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.9km az=68.0.
GRAL Error ellipse: s-maj=1.2km s-min=4.5km az=-1.0.
ISC VI 09 12 21 55.6–1.9 36.97N–.08 37.47E–.04 3–11 31 0-2
ISK VI 09 12 21 53.8 36.78N 37.45E 10 2.8 **¶13840470**
CSEM VI 09 12 21 54.9–.56 36.82N 37.49E 10 2.9
DDA VI 09 12 21 57.4 37.06N 37.54E 5 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=5.5km az=11.0.
DDA Event type ke.
ISC VI 09 17 29 50.3–1.3 36.38N–.03 40.79E–.04 7–11 34 1-3
NSSC VI 09 17 29 48.1–.98 36.34N 40.74E 74–8 2.3L,1.3 **¶13840479**
ISCJB VI 09 17 29 50.9–.89 36.38N–.03 40.84E–.06 3–6 2.3L,1.3
DDA VI 09 17 29 50.1 36.41N 40.66E 7 3.1,1.3
CSEM VI 09 17 29 51.4–.59 36.36N 40.84E 5 2.3L,1.3
ISK VI 09 17 29 51.8 36.36N 40.71E 5 3.2,1.3
ISC Event type ke.
NSSC Error ellipse: s-maj=3.5km s-min=8.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.7km az=18.6.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.6km s-min=8.0km az=101.0.
ISC VI 11 01 00 01.2–1.1 36.87N–.02 36.79E–.02 3–10 146 0-8
NIC VI 11 00 59 58.0–.40 37.81N 36.21E 20 3.5W,3.2L **¶13354687**
NSSC VI 11 01 00 00.1–5.7 37.08N 36.63E 0–19 3.4L,1.5
ISCJB VI 11 01 00 01.7–.46 36.92N–.02 36.74E–.02 1–4 3.4L,1.5
ISK VI 11 01 00 01.7 36.88N 36.78E 10 3.6,1.5
DDA VI 11 01 00 02.0 36.93N 36.77E 7 3.3,1.5
CSEM VI 11 01 00 02.4–.11 36.90N 36.77E 2 3.5W,1.5
ISC Event type ke.
NIC Moment Tensor Solution. $M_0$1.90000×10^{14}
NSSC Error ellipse: s-maj=26.6km s-min=27.2km az=-1.0. Moment Tensor Solution. NP1: ϕ_s14.72000°,δ80.61000°,λ-3.45000°.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=32.9.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=114.0.
ISC VI 14 08 37 52.7–1.2 36.38N–.06 36.95E–.07 11 14 0-1
NSSC VI 14 08 37 41.2–2.0 36.42N 36.04E 4–30 2.1L,1.0 **¶13928652**
DDA VI 14 08 37 52.2 36.36N 36.97E 7 2.8,1.0
CSEM VI 14 08 37 52.2 36.36N 36.97E 7 2.8,1.0
ISC Event type ke.
NSSC Error ellipse: s-maj=14.9km s-min=31.6km az=-1.0.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC VI 14 17 10 08.0–1.1 33.45N–.03 35.60E–.04 11–10 26 0-1
ISCJB VI 14 17 10 07.8–.87 33.47N–.05 35.56E–.05 12–8 **¶13928655**
NSSC VI 14 17 10 07.3–1.7 33.42N 35.54E 0–5 1.9L,1.2
CSEM VI 14 17 10 07.5–.30 33.46N 35.55E 10 3.1L,1.2
GRAL VI 14 17 10 08.5–.31 33.45N 35.60E 7–6 3.1,1.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=6.0km az=37.7.
NSSC Error ellipse: s-maj=3.6km s-min=7.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=66.0.
GRAL Error ellipse: s-maj=1.0km s-min=1.6km az=-1.0.
ISC VI 15 05 07 46.2–1.1 35.66N–.03 35.14E–.02 10–10 43 1-2
NSSC VI 15 05 07 45.6–2.0 35.65N 35.09E 8–12 2.5L,1.2 **¶13840656**
ISCJB VI 15 05 07 46.9–.93 35.65N–.04 35.18E–.04 7–6 2.5L,1.2
ISK VI 15 05 07 46.3 35.75N 35.10E 4 3.1,1.2
CSEM VI 15 05 07 46.9–.43 35.64N 35.20E 5 3.0,1.2
DDA VI 15 05 07 48 35.84N 35.15E 26 3.0,1.2
ISC Event type ke.
NSSC Error ellipse: s-maj=8.7km s-min=12.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.3km az=1.3.
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=5.3km az=152.0.
DDA Event type ke.
ISC VI 15 08 13 49.4–1.3 33.37N–.04 35.44E–.05 5–12 26 0-2
NSSC VI 15 08 13 47.1–4.2 33.52N 35.39E 0–30 1.6L **¶13928656**
ISCJB VI 15 08 13 49.5–1.0 33.43N–.04 35.40E–.07 6–7 1.6L
CSEM VI 15 08 13 49.1–.61 33.39N 35.38E 2 2.9L
GRAL VI 15 08 13 50.3–.32 33.41N 35.39E 0–76 2.9
ISC Event type ke.
NSSC Error ellipse: s-maj=25.7km s-min=42.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=7.3km az=163.5.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=7.1km az=75.0.
GRAL Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0.
ISC VI 16 02 51 32.6–1.1 36.62N–.02 36.08E–.02 4–11 55 0-3
DDA VI 16 02 51 32.0 36.61N 36.08E 7 3.2L **¶13928662**
NSSC VI 16 02 51 32.6–1.3 36.63N 36.13E 0–7 2.1L,1.1
CSEM VI 16 02 51 32.8–.37 36.58N 35.97E 2 3.2L,1.1
ISC Event type ke.
DDA Event type ke.
NSSC Error ellipse: s-maj=6.3km s-min=7.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=6.8km az=75.0.
ISC VI 17 04 29 14.9–.51 36.13N–.02 36.02E–.02 17–3 4.7b,4.0s 1119 0-95
SZGRF VI 17 04 29 01.8 34.95N 36.21E 33 4.7b,4.0s **¶13197250**
NIC VI 17 04 29 06.1–.20 37.09N 36.20E 20 4.8b,4.6L
MOS VI 17 04 29 11.2–1.2 36.00N 35.96E 10 4.8b,4.6L
NEIC VI 17 04 29 12.0 36.05N 36.02E 10 5.0b,4.8
DDA VI 17 04 29 12.7 36.12N 36.04E 31 4.6L,4.8
ISK VI 17 04 29 12.6 36.06N 36.02E 9 4.5L,4.8
IDC VI 17 04 29 12.2–.49 36.16N 35.93E 0 4.4,4.4L
HLW VI 17 04 29 12.6 36.49N 35.49E 30–19 4.0,3.9L
NSSC VI 17 04 29 14.8–3.2 36.15N 36.03E 6–8 4.5L,1.9
BJI VI 17 04 29 14.2 36.30N 35.24E 49 5.0b,4.8b
ISCJB VI 17 04 29 15.1–.27 36.09N–.01 35.99E–.01 33–2 4.7b,4.0s
CSEM VI 17 04 29 15.4–.10 36.07N 36.04E 20 4.8b,4.0s
GRAL VI 17 04 29 15.0–2.3 36.13N 35.95E 6–33 4.7,4.0s
TEH VI 17 04 29 18.0 36.10N 35.93E 44 4.6L,4.0s
PDA VI 17 04 29 18.3 36.10N 35.93E 47 4.6b,4.0s
ISC Event type fe.
SZGRF Jordan - Syria region.
NIC Moment Tensor Solution. $M_0$1.10000×10^{15}
MOS Error ellipse: s-maj=5.3km s-min=3.0km az=122.2.
NEIC Event type fe. Felt [IV] at Antakya, Turkey. Also felt at Adana and Osmaniye. Felt at Idlib, Syria. After ISK.
DDA Event type ke.
IDC Error ellipse: s-maj=11.0km s-min=9.6km az=92.0.
NSSC Error ellipse: s-maj=6.6km s-min=11.6km az=-1.0. Moment Tensor Solution. NP1: ϕ_s239.29000°,δ60.00000°,λ-90.00000°.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.8km az=0.4.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=177.0.
GRAL Error ellipse: s-maj=12.4km s-min=10.6km az=-1.0.
ISC VI 17 06 55 00.5–1.2 36.18N–.03 36.00E–.06 11–9 30 0-1
CSEM VI 17 06 54 55.4–.66 36.27N 35.59E 5 2.8 **¶13928675**
ISCJB VI 17 06 55 00.5–.98 36.18N–.03 36.00E–.08 9–5 2.8
DDA VI 17 06 55 00.3 36.19N 36.00E 7 2.8
NSSC VI 17 06 55 00.7–.37 36.16N 36.02E 15–1 2.1L,0.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=10.4km az=137.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.8km az=10.8.
DDA Event type ke.
NSSC Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0.
ISC VI 17 08 28 13.6–.55 35.94N–.02 35.99E–.03 17–4 71 0-4
NSSC VI 17 08 28 06.6–8.7 36.28N 36.00E 0–49 2.9L,1.1 **¶13840817**
ISCJB VI 17 08 28 15.1–.48 35.97N–.03 36.01E–.04 17–4 2.9L,1.1
CSEM VI 17 08 28 16.2–.39 36.00N 36.04E 20 3.0,1.1
DDA VI 17 08 28 16.3 36.20N 35.99E 2 3.3L,3.0
ISK VI 17 08 28 17.2 36.20N 36.07E 11 3.2W,3.0
ISC Event type ke.
NSSC Error ellipse: s-maj=39.6km s-min=92.6km az=-1.0. Moment Tensor Solution. NP1: ϕ_s351.00000°,δ50.00000°,λ0.00000°.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=166.1.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=7.1km az=34.0.
DDA Event type ke.
ISC VI 17 11 28 51.5–.92 36.17N–.03 36.14E–.04 11–7 30 0-2
NSSC VI 17 11 28 49.4–1.3 36.24N 35.97E 8–6 2.0L,1.1 **¶13928679**
ISCJB VI 17 11 28 51.6–.61 36.13N–.03 36.08E–.05 16–7 2.0L,1.1
CSEM VI 17 11 28 51.1–.32 36.17N 36.10E 12 2.6,1.1
DDA VI 17 11 28 51.7 36.18N 36.14E 7 2.6,1.1
ISC Event type ke.
NSSC Error ellipse: s-maj=4.4km s-min=8.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.4km az=12.7.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=6.4km az=106.0.
DDA Event type ke.
ISC VI 17 12 22 45.5–1.5 33.76N–.03 35.54E–.09 17–7 41 0-2
NSSC VI 17 12 22 45.2–1.4 33.74N 35.47E 6–7 1.8L,1.5 **¶15742100**
CSEM VI 17 12 22 46.6–.42 33.79N 35.62E 8 1.8L,1.5
GRAL VI 17 12 22 48.1–.30 33.78N 35.76E 0–32 2.9,1.5
ISC Event type ke.
NSSC Error ellipse: s-maj=4.5km s-min=11.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=3.8km az=81.0.
GRAL Error ellipse: s-maj=0.6km s-min=2.5km az=-1.0.
ISC VI 17 14 03 31.6–.83 36.12N–.02 36.01E–.02 13–5 71 0-3
NSSC VI 17 14 03 28.8–2.3 36.30N 35.98E 9–11 2.9L,1.3 **¶13840829**
DDA VI 17 14 03 30.5 36.13N 36.04E 7 3.7,1.3
ISK VI 17 14 03 31.6 36.12N 35.99E 8 3.1,1.3

ISCJB VI 17 14 03 32.1–.41 36.12N–.02 36.01E–.03 12–3 3.1,1.3
CSEM VI 17 14 03 32.0–.12 36.12N 36.00E 10 3.1,1.3
ISC Event type ke.
NSSC Error ellipse: s-maj=7.1km s-min=14.2km az=-1.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.8km az=149.5.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=62.0.
GRAL VI 20 09 13 12.4–.47 33.43N 35.46E 5–15 2.6
CSEM VI 20 09 13 12.4 33.43N 35.46E 4 2.6L **¶14370759**
GRAL Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GRAL.
ISC VI 20 10 12 37.9–1.4 33.53N–.05 35.81E–.09 10–8 24 0-1
ISCJB VI 20 10 12 37.9–1.2 33.52N–.06 35.78E–.10 8–6 **¶13928698**
NSSC VI 20 10 12 37.1–1.9 33.52N 35.77E 0–8 1.4L
CSEM VI 20 10 12 38.3–.34 33.54N 35.79E 11–2 1.4L
GRAL VI 20 10 12 39.8–.31 33.56N 35.86E 0–13 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=6.0km az=148.6.
NSSC Error ellipse: s-maj=8.2km s-min=15.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=4.2km az=67.0.
GRAL Error ellipse: s-maj=1.3km s-min=5.6km az=-1.0.
ISC VI 20 17 33 03.6–1.2 33.75N–.03 35.72E–.08 12–12 23 0-2
NSSC VI 20 17 33 02.6–4.0 33.71N 35.68E 0–38 1.3L,1.0 **¶13928702**
CSEM VI 20 17 33 04.4–.27 33.78N 35.75E 2 1.3L,1.0
GRAL VI 20 17 33 05.1–.32 33.80N 35.79E 0–35 2.8,1.0
ISC Event type ke.
NSSC Error ellipse: s-maj=9.5km s-min=81.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=3.5km az=88.0.
GRAL Error ellipse: s-maj=0.7km s-min=2.5km az=-1.0.
ISC VI 21 12 04 55.8–2.3 33.99N–.04 37.3E–.10 10 23 1-2
NSSC VI 21 12 04 59.5–2.6 34.20N 36.25E 117–19 1.8L,1.2 **¶13928704**
CSEM VI 21 12 04 59.0–1.7 33.98N 37.29E 60 2.0L,1.2
GRAL VI 21 12 05 09.4–.31 34.18N 36.48E 61–11 2.6,1.2
ISC Event type ke.
NSSC Error ellipse: s-maj=7.8km s-min=22.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=42.0km s-min=16.1km az=95.0.
GRAL Error ellipse: s-maj=3.2km s-min=15.2km az=-1.0.
ISC VI 21 23 18 52.3–1.7 36.46N–.08 40.90E–.04 13–11 28 1-4
DDA VI 21 23 18 50.9 36.39N 40.81E 8 3.1 **¶13841171**
ISK VI 21 23 18 59.2 36.73N 41.43E 5 3.6
CSEM VI 21 23 19 00.8–.49 36.77N 41.50E 2 3.6
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.5km s-min=6.9km az=173.0.
ISC VI 22 12 55 30.4–.84 33.79N–.03 35.96E–.04 10 26 0-1
NSSC VI 22 12 55 28.3–.98 33.73N 35.67E 10–5 1.5L,1.2 **¶13928709**
CSEM VI 22 12 55 30.0–.39 33.76N 35.77E 20 1.5L,1.2
ISCJB VI 22 12 55 31.1–.58 33.77N–.03 35.90E–.05 10 1.5L,1.2
GRAL VI 22 12 55 31.2–.30 33.78N 35.99E 0–44 2.9,1.2
ISC Event type ke.
NSSC Error ellipse: s-maj=3.0km s-min=9.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=6.3km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=152.7.
GRAL Error ellipse: s-maj=0.9km s-min=2.3km az=-1.0.
CSEM VI 23 05 34 01.0–.22 33.23N 35.09E 12 2.2
GRAL VI 23 05 34 02.5–.32 33.23N 35.14E 17–3 2.9 **¶14370796**
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=108.0.
GRAL Error ellipse: s-maj=1.8km s-min=2.6km az=-1.0.
ISC VI 24 11 00 22.4–1.9 33.55N–.08 36.63E–.06 7–11 12 0-1
¶16876795
ISC Event type ke.
ISC VI 25 08 26 33.5–1.5 33.33N–.04 35.62E–.05 10–9 29 0-1
ISCJB VI 25 08 26 33.4–1.1 33.34N–.04 35.62E–.07 8–6 **¶13928710**
CSEM VI 25 08 26 33.4–.19 33.34N 35.61E 8 1.8L
NSSC VI 25 08 26 33.2–1.1 33.36N 35.61E 8–6 1.8L
GRAL VI 25 08 26 34.7–.35 33.33N 35.68E 5–16 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.9km az=172.6.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.1km az=76.0.
NSSC Error ellipse: s-maj=4.3km s-min=7.2km az=-1.0.
GRAL Error ellipse: s-maj=2.9km s-min=8.5km az=-1.0.
ISC VI 25 18 58 57.0–1.4 33.31N–.04 35.52E–.04 1–13 26 0-2
NSSC VI 25 18 58 54.7–4.9 33.30N 35.39E 0–36 1.3L,1.0 **¶13928712**
GRAL VI 25 18 58 57.9–.33 33.32N 35.44E 4–2 2.8,1.0
CSEM VI 25 18 58 57.5–.67 33.34N 35.50E 2 2.8L,1.0
ISC Event type ke.
NSSC Error ellipse: s-maj=29.1km s-min=74.3km az=-1.0.
GRAL Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.9km s-min=8.0km az=58.0.
ISC VI 26 01 49 41.3–3.7 35.69N–.05 37.06E–.05 18–26 53 1-4
ISCJB VI 26 01 49 39.1–1.2 35.66N–.04 37.14E–.05 8–9 **¶13841542**
CSEM VI 26 01 49 39.8–.24 35.66N 37.11E 10 3.4
ISK VI 26 01 49 40.8 35.81N 37.11E 11 3.4
DDA VI 26 01 49 41.2 35.84N 37.15E 4 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.4km az=14.7.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=132.0.
DDA Event type ke.
ISC VI 28 09 00 13.8–.95 33.33N–.02 35.43E–.03 14–8 48 0-2
ISCJB VI 28 09 00 13.8–.51 33.34N–.02 35.43E–.04 8–4 **¶13928714**
CSEM VI 28 09 00 13.9–.17 33.34N 35.43E 10 3.0L
NSSC VI 28 09 00 14.4–1.6 33.31N 35.46E 6–7 1.7L,1.6
GRAL VI 28 09 00 14.8–.28 33.33N 35.43E 0–53 3.0,1.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=36.6.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.1km az=127.0.
NSSC Error ellipse: s-maj=6.4km s-min=10.9km az=-1.0.
GRAL Error ellipse: s-maj=0.9km s-min=1.4km az=-1.0.

(375) Iraq.

ISC I 02 15 43 01.9–2.5 36.23N–.04 41.35E–.03 1–17 91 1-5
DDA I 02 15 43 00.2 36.18N 41.19E 21 3.7 **¶12854382**
ISK I 02 15 43 02.1 36.29N 41.26E 4 3.8L
CSEM I 02 15 43 04.3–.18 36.22N 41.35E 20 3.7
TEH I 02 15 43 06.7 36.17N 41.54E 18 3.8L
ISC Event type ke.
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.2km az=21.0.
CSEM I 30 17 49 43.3–.47 36.12N 41.06E 20 2.6L
NSSC I 30 17 49 40.2–.95 36.38N 40.88E 41–31 2.6L **¶12855076**
ISK I 30 17 49 45.7 36.45N 41.03E 20 3.6
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=7.4km az=150.0.
NSSC Error ellipse: s-maj=2.9km s-min=8.2km az=-1.0.
ISC III 01 20 53 29.0–1.3 36.38N–.05 42.27E–.04 35 94 1-6
CSEM III 01 20 53 26.0–.43 36.31N 42.46E 10 3.9 **¶13435320**
DDA III 01 20 53 26.1 36.49N 42.11E 37 3.9
ISK III 01 20 53 27.6 36.57N 42.31E 8 4.0L
ISCJB III 01 20 53 28.1–.51 36.39N–.03 42.23E–.04 33 4.0L
NSSC III 01 20 53 35.9–1.6 36.33N 41.55E 78–84 3.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=5.8km az=133.0.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=44.5.
NSSC Error ellipse: s-maj=14.4km s-min=41.1km az=-1.0. Moment Tensor Solution. NP1: ϕ_s268.85000°,δ30.00000°,λ-90.00000°.
ISC III 26 19 56 42.9–1.4 36.28N–.04 41.30E–.03 2–11 82 1-5
DDA III 26 19 56 43.0 36.28N 41.30E 28 3.3 **¶12855505**
ISCJB III 26 19 56 44.7–1.2 36.24N–.04 41.27E–.04 15–9 3.3
ISK III 26 19 56 44.5 36.26N 41.26E 9 3.6
NSSC III 26 19 56 44.4–1.8 36.30N 41.33E 20–12 2.8L
CSEM III 26 19 56 44.9–.42 36.32N 41.26E 2 2.8L
ISC Event type ke.
DDA Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.2km az=157.3.
NSSC Error ellipse: s-maj=8.3km s-min=15.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=6.0km az=147.0.
ISC IV 21 22 21 32.2–1.8 36.69N–.07 42.46E–.03 8–13 42 1-4
CSEM IV 21 22 21 30.7–.37 36.35N 42.73E 10 3.1 **¶13568315**
DDA IV 21 22 21 32.9 36.71N 42.45E 12 3.1
ISK IV 21 22 21 35.4 36.93N 42.55E 5 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=8.0km az=68.0.
DDA Event type ke.
ISC IV 23 00 26 17.0–1.4 36.63N–.03 42.53E–.03 3–11 96 1-9
NSSC IV 23 00 26 12.8–2.3 36.77N 42.68E 0–119 3.3L **¶13568334**
ISCJB IV 23 00 26 16.1–.88 36.54N–.03 42.58E–.04 9–7 3.3L
CSEM IV 23 00 26 17.3–.20 36.58N 42.57E 10 3.7
ISK IV 23 00 26 17.4 36.80N 42.51E 5 3.9L
DDA IV 23 00 26 19.6 36.93N 42.40E 22 3.7
ISC Event type ke.
NSSC Error ellipse: s-maj=37.2km s-min=218.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=143.3.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=153.0.
DDA Event type ke.
DDA VI 21 18 41 14.6 36.60N 41.26E 7 3.2
CSEM VI 21 18 41 14.3–.60 36.44N 41.41E 2 3.4 **¶13841163**
ISK VI 21 18 41 16.5 36.56N 41.06E 5 3.4
DDA Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.9km s-min=5.3km az=152.0.
KISR VI 25 15 23 11.4–.85 32.69N 45.60E 12–999 2.5L
¶15742158
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISK VI 25 16 51 31.1 36.61N 41.13E 8 3.8
CSEM VI 25 16 51 31.1 36.61N 41.13E 8 3.8 **¶13841479**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.

SEISMIC REGION 31.
Western Mediterranean Area.

(376) Portugal.

ISC II 15 05 34 35.9–1.1 38.96N–.03 9.17W–.05 23–8 64 0-3
ISCJB II 15 05 34 35.7–.70 38.93N–.04 9.21W–.05 28–6 **¶11756908**
MDD II 15 05 34 36.7–.26 38.93N 9.17W 21–2 1.9
CSEM II 15 05 34 36.2–.18 38.91N 9.16W 19–0 2.6L
IGIL II 15 05 34 37.5 38.94N 9.15W 20 1.8L
INMG II 15 05 34 37.0–1.2 38.93N 9.16W 20–2 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.1km az=138.8.
MDD Error ellipse: s-maj=5.4km s-min=4.8km az=139.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=103.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=105.0.
ISC II 17 16 00 03.0–.91 38.10N–.01 8.52W–.02 18–3 353 0-13
LDG II 17 16 00 02.7–.22 38.07N 8.68W 2 4.0,3.8L **¶11682841**
CSEM II 17 16 00 03.8–.13 38.09N 8.54W 12 4.2L,3.8L
ISCJB II 17 16 00 03.5–.27 38.15N–.01 8.43W–.02 14–1 4.2L,3.8L
CNRM II 17 16 00 04.6 38.12N 8.60W 24 3.6,3.8L
INMG II 17 16 00 04.8–1.2 38.07N 8.57W 6–1 3.8L,2.9
SFS II 17 16 00 04.0 38.00N 8.60W 8 3.7L,2.9
MDD II 17 16 00 04.7–.28 38.08N 8.56W 7–2 3.7,2.9
IGIL II 17 16 00 05.2 38.07N 8.57W 6 3.9L,2.9
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=66.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=161.7.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=72.0.
SFS Event type ke.
MDD Error ellipse: s-maj=2.9km s-min=1.9km az=70.0. PRXIMO.
ISC III 09 09 07 51.0–.81 38.31N–.01 7.97W–.02 17–6 148 0-8
CSEM III 09 09 07 50.9–.07 38.33N 7.96W 12 3.0L **¶11938355**
ISCJB III 09 09 07 51.1–.27 38.33N–.01 7.95W–.03 21–3 3.0L
MDD III 09 09 07 51.9–.31 38.32N 7.99W 11–0 2.8
INMG III 09 09 07 51.8–1.7 38.32N 7.98W 11–5 2.6L
LDG III 09 09 07 51.6–.08 38.32N 8.00W 2 3.5
IGIL III 09 09 07 52.1 38.32N 7.98W 0 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=179.2.
MDD Error ellipse: s-maj=2.9km s-min=2.2km az=83.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=1.6km az=88.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=99.0.
ISC III 15 13 51 20.3–.79 38.34N–.01 7.98W–.02 14–5 270 0-11
ISCJB III 15 13 51 19.5–.27 38.38N–.01 7.90W–.02 14–2 **¶12025671**
MDD III 15 13 51 20.9–.23 38.32N 8.01W 11–0 3.0
LDG III 15 13 51 20.8–.12 38.32N 8.05W 2 3.5,2.8L
INMG III 15 13 51 20.8–1.3 38.32N 7.98W 6–2 3.0L,2.8
CSEM III 15 13 51 20.1–.07 38.34N 7.96W 10 3.4L,2.8
IGIL III 15 13 51 21.1 38.32N 7.97W 4 3.0L,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=171.9.
MDD Error ellipse: s-maj=2.6km s-min=1.8km az=77.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=53.0.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=84.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=74.0.
INMG III 30 01 17 35.0–1.1 38.11N 8.59W 6–3 0.9L
CSEM III 30 01 17 35.0 38.11N 8.59W 6 0.9L **¶13437616**
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=1.9km az=102.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After INMG.
INMG III 30 01 17 43.0–1.1 38.10N 8.60W 8–5 1.0L
CSEM III 30 01 17 43.0 38.10N 8.60W 8 1.0L **¶13437617**
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=1.6km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After INMG.
ISC VI 16 12 35 03.2–1.1 38.78N–.02 7.94W–.02 7–9 67 0-3
CSEM VI 16 12 35 02.9–.08 38.78N 7.94W 2 2.2L **¶13353559**
ISCJB VI 16 12 35 02.5–.47 38.78N–.02 7.94W–.03 4–4 2.2L
IGIL VI 16 12 35 03.9 38.79N 7.96W 0 1.5L
PDA VI 16 12 35 03.5–1.6 38.78N 7.95W 1–4 1.5L
INMG VI 16 12 35 03.5–1.6 38.78N 7.95W 1–4 1.5L
MDD VI 16 12 35 03.7–.44 38.77N 7.94W 0 1.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=13.8.
PDA Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=94.0.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=94.0.
MDD Error ellipse: s-maj=4.0km s-min=2.9km az=132.0.
ISC VI 16 12 35 17.6–1.0 38.79N–.03 7.95W–.04 10 27 0-2
ISCJB VI 16 12 35 17.0–.60 38.79N–.02 7.92W–.05 10 **¶13375428**
CSEM VI 16 12 35 17.4–.15 38.78N 7.93W 10 1.4L
INMG VI 16 12 35 18.1–1.9 38.79N 7.95W 5–6 1.4L
MDD VI 16 12 35 18.1–.73 38.78N 7.93W 0 1.7
PDA VI 16 12 35 18.1–1.9 38.79N 7.95W 5–6 1.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=9.7.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=104.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=2.8km az=94.0.
MDD Error ellipse: s-maj=5.5km s-min=4.0km az=131.0. PROXIMO SIN SOLUCION.
PDA Event type ke. Error ellipse: s-maj=5.2km s-min=2.8km az=94.0.

(377) Spain.

MDD I 04 00 17 21.6–.33 37.87N 3.76W 21–1 2.0
CSEM I 04 00 17 19.8–.13 37.90N 3.80W 19–1 2.6L **¶14557204**
MDD Error ellipse: s-maj=3.1km s-min=2.7km az=175.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=7.0.

ISC	**I**	**20 09 12 32.9–.69**	**43.21N–.03**	**3.63W–.01**	**10**		**189**	**0-6**
ISCJB	I	20 09 12 31.4–.26	43.12N–.03	3.65W–.02	10			**¶11659166**
CSEM	I	20 09 12 33.5–.10	43.13N	3.63W	12	3.0L		
LDG	I	20 09 12 34.8–.06	43.17N	3.64W	8	2.9L,2.7		
INMG	I	20 09 12 35.1–1.3	43.11N	3.63W	6–5	2.6L,2.7		
MDD	I	20 09 12 35.2–.25	43.20N	3.62W	15–2	2.5,2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.7km s-min=1.7km az=166.9.							
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=1.7km az=164.0.							
LDG	Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=164.0.							
INMG	Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=152.0.							
MDD	Error ellipse: s-maj=4.4km s-min=2.5km az=169.0. PRXIMO.							
ISC	**I**	**26 23 50 13.3–.99**	**37.10N–.02**	**5.37W–.01**	**9–9**		**255**	**0-7**
ISCJB	I	26 23 50 12.4–.29	37.20N–.02	5.40W–.01	2–2			**¶11660319**
CSEM	I	26 23 50 13.6–.09	37.11N	5.39W	8	3.3L		
SFS	I	26 23 50 14.0	37.09N	5.38W	0	2.7L		
MDD	I	26 23 50 14.8–.23	37.07N	5.40W	6–3	2.7		
INMG	I	26 23 50 14.6–1.4	37.07N	5.37W	6–3	2.8L		
IGIL	I	26 23 50 14.4	37.09N	5.38W	1	2.8L		
LDG	I	26 23 50 14.4–.09	37.06N	5.39W	2	3.0L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=12.8.							
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=8.0.							
SFS	Event type ke.							
MDD	Error ellipse: s-maj=2.8km s-min=1.8km az=178.0. PRXIMO.							
INMG	Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=24.0.							
LDG	Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=2.0.							
MDD	**I**	**27 19 47 25.0–.39**	**37.06N**	**5.37W**	**4–6**	**1.8**		
CSEM	I	27 19 47 25.0	37.06N	5.37W	4	1.8L		**¶12082512**
MDD	Error ellipse: s-maj=4.3km s-min=3.2km az=160.0. PRXIMO.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.							
MDD	**I**	**27 19 47 57.9–.42**	**37.04N**	**5.40W**	**0**	**2.1**		
CSEM	I	27 19 47 56.7–.22	37.07N	5.42W	10	2.1L		**¶14557609**
IGIL	I	27 19 47 56.8	37.10N	5.36W	0	2.2L		
MDD	Error ellipse: s-maj=3.6km s-min=3.4km az=107.0. PRXIMO.							
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=4.4km az=7.0.							
MDD	**I**	**29 00 30 41.1–.48**	**37.04N**	**5.38W**	**11–1**	**1.3**		
CSEM	I	29 00 30 39.7–.16	37.10N	5.37W	10	1.9L		**¶14557706**
MDD	Error ellipse: s-maj=4.4km s-min=3.2km az=6.0. PRXIMO.							
CSEM	Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=11.0.							
MDD	**I**	**29 00 37 09.9–.39**	**37.06N**	**5.41W**	**4–8**	**1.3**		
CSEM	I	29 00 37 09.0–.14	37.08N	5.41W	8	2.1L		**¶14557710**
MDD	Error ellipse: s-maj=3.7km s-min=3.5km az=15.0. PRXIMO.							
CSEM	Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=16.0.							
MDD	**I**	**30 00 40 22.9–.43**	**37.25N**	**2.35W**	**0**	**1.3**		
CSEM	I	30 00 40 23.0	37.25N	2.35W	0	1.3L		**¶14557760**
MDD	Error ellipse: s-maj=4.9km s-min=3.2km az=80.0. PRXIMO.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.							
MDD	**I**	**31 12 50 59.1–.37**	**37.04N**	**5.42W**	**0**	**2.9**		
								¶14557802
MDD	Error ellipse: s-maj=3.2km s-min=3.0km az=142.0. PRXIMO.							
ISC	**I**	**31 12 51 08.2–.80**	**37.09N–.03**	**5.37W–.02**	**10**		**90**	**1-6**
ISCJB	I	31 12 51 07.5–.41	37.20N–.03	5.39W–.02	10			**¶14557805**
CSEM	I	31 12 51 08.8–.15	37.11N	5.40W	15	3.5L		
MDD	I	31 12 51 10.0–.48	37.06N	5.42W	11–1	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=11.9.							
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=12.0.							
MDD	Error ellipse: s-maj=4.3km s-min=2.9km az=20.0. PRXIMO.							
ISC	**II**	**01 03 03 23.2–.96**	**37.08N–.02**	**5.35W–.02**	**8–8**		**155**	**0-7**
ISCJB	II	01 03 03 22.2–.31	37.16N–.02	5.36W–.02	5–2			**¶11667199**
CSEM	II	01 03 03 23.4–.11	37.10N	5.37W	8	3.2L		
LDG	II	01 03 03 24.5–.10	37.06N	5.39W	2	2.9L		
MDD	II	01 03 03 24.4–.27	37.03N	5.41W	7–4	2.7		
SFS	II	01 03 03 25.0	37.02N	5.40W	17	2.8L		
INMG	II	01 03 03 25.2–1.5	37.08N	5.40W	13–4	2.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.8km s-min=2.1km az=14.4.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=11.0.							
LDG	Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=5.0.							
MDD	Error ellipse: s-maj=3.5km s-min=2.3km az=179.0. PRXIMO.							
SFS	Event type ke.							
INMG	Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=23.0.							
ISC	**II**	**01 03 22 11.6–1.0**	**37.11N–.02**	**5.37W–.01**	**9–8**		**252**	**0-11**
CSEM	II	01 03 22 12.2–.08	37.09N	5.40W	5	3.9L		**¶11667200**
LDG	II	01 03 22 13.4–.13	37.02N	5.41W	2	3.7L		
SFS	II	01 03 22 13.0	37.06N	5.40W	4	3.1L		
MDD	II	01 03 22 13.5–.27	37.03N	5.40W	11–0	3.1		
IGIL	II	01 03 22 14.6	37.07N	5.41W	4	3.1L		
INMG	II	01 03 22 14.3–1.4	37.06N	5.38W	16–3	3.4L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=8.0.							
LDG	Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=5.0.							
SFS	Event type ke.							
MDD	Error ellipse: s-maj=3.1km s-min=2.2km az=17.0. PRXIMO.							
INMG	Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=28.0.							
ISC	**II**	**01 04 42 59.3–.89**	**37.06N–.02**	**5.35W–.02**	**11–7**		**174**	**0-10**
ISCJB	II	01 04 42 58.6–.33	37.14N–.02	5.39W–.02	5–2			**¶11667202**
CSEM	II	01 04 42 59.9–.09	37.08N	5.38W	8	3.7L		
MDD	II	01 04 43 01.0–.33	37.03N	5.39W	10–2	3.1		
LDG	II	01 04 43 00.9–.11	37.02N	5.41W	2	3.2L		
IGIL	II	01 04 43 02.1	37.03N	5.40W	7	3.1L		
INMG	II	01 04 43 02.8–1.6	37.07N	5.39W	22–4	3.0L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=9.6.							
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=3.0.							
MDD	Error ellipse: s-maj=3.7km s-min=2.4km az=5.0. PRXIMO.							
LDG	Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=2.0.							
INMG	Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=1.0.							
MDD	**II**	**05 05 26 37.2–.73**	**39.33N**	**0.37W**	**6–4**	**2.7**		
CSEM	II	05 05 26 35.1–.19	39.34N	0.38W	2	3.4L		**¶11670574**
INMG	II	05 05 26 37.4–1.8	39.28N	0.28W	14–7	2.9L		
LDG	II	05 05 26 37.2–.11	39.33N	0.37W	2	3.2L		
MDD	Event type fe. Error ellipse: s-maj=6.5km s-min=3.1km az=126.0. EMS: II SILLA VALENCIA. PRXIMO.							
CSEM	Event type ke. Error ellipse: s-maj=4.8km s-min=2.2km az=128.0.							
INMG	Event type ke. Error ellipse: s-maj=4.5km s-min=4.5km az=108.0.							
LDG	Event type ke. Error ellipse: s-maj=2.8km s-min=1.4km az=128.0.							
ISC	**II**	**05 07 27 05.0–1.0**	**37.09N–.02**	**5.36W–.02**	**9–9**		**156**	**0-7**
ISCJB	II	05 07 27 03.9–.35	37.19N–.02	5.38W–.02	4–2			**¶11670576**
CSEM	II	05 07 27 05.3–.11	37.10N	5.38W	10	3.7L		
SFS	II	05 07 27 06.0	37.04N	5.41W	11	3.2L		
MDD	II	05 07 27 06.5–.33	37.03N	5.39W	11–0	3.1		
IGIL	II	05 07 27 06.9	37.04N	5.41W	0	3.2L		
LDG	II	05 07 27 06.0–.12	37.04N	5.38W	2	3.6L		
INMG	II	05 07 27 07.4–1.6	37.05N	5.35W	18–3	3.3L		
ISC	Event type ke.							
ISCJB	Event type fe. Error ellipse: s-maj=3.7km s-min=2.2km az=6.4.							
CSEM	Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=6.0.							
SFS	Event type ke.							
MDD	Event type fe. Error ellipse: s-maj=3.4km s-min=2.6km az=180.0. EMS:III CORIPE. PRXIMO.							
LDG	Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=178.0.							
INMG	Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=5.0.							
MDD	**II**	**06 14 22 16.1–.55**	**39.48N**	**0.25W**	**17–7**	**4.1b,2.0**		
CSEM	II	06 14 22 16.1	39.48N	0.25W	17	2.0L,2.0		**¶14557953**
MDD	Error ellipse: s-maj=5.5km s-min=3.9km az=136.0. PRXIMO.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.							
ISC	**II**	**10 15 13 11.2–1.4**	**41.63N–.03**	**2.92E–.03**	**12–13**		**58**	**0-4**
CSEM	II	10 15 13 11.9–.24	41.63N	2.88E	17–2	2.7L		**¶11670609**
MDD	II	10 15 13 13.4–.54	41.65N	2.92E	11–0	2.3		
LDG	II	10 15 13 13.2–.09	41.66N	2.91E	10	2.8,2.5L		

ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=117.0.							
MDD	Error ellipse: s-maj=4.6km s-min=3.1km az=122.0. PRXIMO.							
LDG	Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=115.0.							
ISC	**II**	**11 05 29 08.4–1.1**	**39.51N–.02**	**0.25W–.02**	**8–10**		**181**	**1-9**
ISCJB	II	11 05 29 09.1–.39	39.63N–.02	0.47W–.03	4–2			**¶11682806**
CSEM	II	11 05 29 10.2–.16	39.55N	0.32W	10	3.2L		
LDG	II	11 05 29 11.2–.09	39.52N	0.25W	2	3.3L		
INMG	II	11 05 29 11.6–2.6	39.53N	0.21W	17–6	2.7L		
MDD	II	11 05 29 12.2–.33	39.50N	0.22W	19–3	2.7		
ISC	Event type ke.							
ISCJB	Event type fe. Error ellipse: s-maj=4.3km s-min=2.4km az=28.9.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=121.0.							
LDG	Event type ke. Error ellipse: s-maj=2.3km s-min=1.2km az=121.0.							
INMG	Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=117.0.							
MDD	Event type fe. Error ellipse: s-maj=3.7km s-min=2.3km az=113.0. EMS: III ALBORAYA , VALENCIA. PRXIMO.							
MDD	**II**	**17 02 56 03.0–.38**	**39.97N**	**0.29E**	**10–0**	**2.2**		
CSEM	II	17 02 56 01.0–.13	39.98N	0.27E	5	2.6L		**¶11682838**
LDG	II	17 02 56 03.3–.11	40.01N	0.26E	10	2.8L		
MDD	Error ellipse: s-maj=3.7km s-min=2.6km az=123.0. PRXIMO.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=123.0.							
LDG	Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=122.0.							
ISC	**II**	**26 19 02 21.5–1.3**	**43.67N–.05**	**8.44W–.06**	**10**		**198**	**1-11**
CSEM	II	26 19 02 23.4–.29	43.67N	8.40W	15	3.5L		**¶11752941**
MDD	II	26 19 02 24.7–.73	43.69N	8.47W	20–1	2.6		
LDG	II	26 19 02 25.2–.30	43.67N	8.43W	16	3.2L		
INMG	II	26 19 02 26.7–1.2	43.48N	8.30W	13–4	2.5L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=7.6km s-min=3.3km az=118.0.							
MDD	Event type fe. Error ellipse: s-maj=8.3km s-min=3.8km az=129.0. EMS: II INTENSIDAD MAXIMA. PRXIMO.							
LDG	Event type ke. Error ellipse: s-maj=7.3km s-min=3.6km az=119.0.							
INMG	Event type ke. Error ellipse: s-maj=6.6km s-min=2.5km az=131.0.							
ISC	**IV**	**10 07 00 23.6–1.1**	**37.44N–.02**	**2.46W–.02**	**7–9**		**281**	**0-7**
ISCJB	IV	10 07 00 23.7–.39	37.59N–.02	2.60W–.02	0–2			**¶12742159**
MDD	IV	10 07 00 24.9–.25	37.42N	2.45W	0	2.9		
CSEM	IV	10 07 00 24.3–.13	37.46N	2.50W	2	3.5L		
SFS	IV	10 07 00 25.0	37.41N	2.45W	0	2.9L		
IGIL	IV	10 07 00 25.1	37.41N	2.46W	0	2.8L		
LDG	IV	10 07 00 25.2–.20	37.39N	2.45W	2	3.4L		
INMG	IV	10 07 00 25.0–1.7	37.41N	2.45W	2–3	3.0L		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=158.6.							
MDD	Event type fe. Error ellipse: s-maj=2.5km s-min=2.0km az=136.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.							
CSEM	Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=154.0.							
SFS	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=141.0.							
INMG	Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=121.0.							
ISC	**IV**	**15 15 42 24.1–.41**	**38.32N–.01**	**1.15W–.01**	**19–1**	**3.4b**	**339**	**0-66**
CSEM	IV	15 15 42 24.6–.10	38.29N	1.18W	10	4.2L		**¶12742259**
IDC	IV	15 15 42 24.3–1.3	38.20N	1.15W	0	3.6L,3.4		
MDD	IV	15 15 42 25.9–.23	38.24N	1.16W	10–0	3.7,3.4		
CRAAG	IV	15 15 42 25.0	38.25N	1.15W		3.7W,3.4		
SFS	IV	15 15 42 25.0	38.25N	1.14W	5	3.7W,3.4		
LDG	IV	15 15 42 25.3–.08	38.27N	1.14W	2	3.7L,3.4		
IGIL	IV	15 15 42 26.0	38.25N	1.15W	8	3.6L,3.4		
INMG	IV	15 15 42 26.1–1.7	38.27N	1.18W	11–3	3.7L,3.4		
STR	IV	15 15 42 40.2–9.6	39.30N	0.86W	5	3.7L,3.4		
ISC	Event type fe.							
CSEM	Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=144.0.							
IDC	Error ellipse: s-maj=27.2km s-min=16.0km az=27.0.							
MDD	Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=115.0. EMS: SENTIDO EN LA ZONA EPICENTRAL. PRXIMO.							
SFS	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=2.1km s-min=1.2km az=135.0.							
INMG	Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=123.0.							
STR	Event type ke.							
ISC	**V**	**02 14 41 39.0–.93**	**42.09N–.02**	**8.02W–.02**	**24–7**		**184**	**0-7**
LDG	V	02 14 41 38.5–.13	42.09N	7.98W	2	3.3L		**¶12793929**
CSEM	V	02 14 41 38.3–.10	42.09N	8.02W	19	3.5L		
MDD	V	02 14 41 39.6–.22	42.09N	8.02W	20–1	2.9		
INMG	V	02 14 41 39.6–1.3	42.08N	8.04W	23–2	3.0L,2.8		
ISC	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=70.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=104.0.							
MDD	Error ellipse: s-maj=2.8km s-min=2.2km az=93.0. PRXIMO.							
INMG	Event type ke. Error ellipse: s-maj=2.8km s-min=1.4km az=94.0.							
ISC	**V**	**18 23 36 25.5–.70**	**37.78N–.02**	**1.68W–.02**	**9–6**		**291**	**0-10**
CSEM	V	18 23 36 25.9–.12	37.76N	1.71W	5	3.6L		**¶12842985**
ISCJB	V	18 23 36 25.1–.34	37.85N–.02	1.82W–.02	3–2	3.6L		
SFS	V	18 23 36 26.0	37.75N	1.62W	1	3.1L		
MDD	V	18 23 36 26.5–.19	37.72N	1.64W	0	3.0		
LDG	V	18 23 36 26.7–.15	37.68N	1.61W	2	3.5L		
INMG	V	18 23 36 26.4–1.3	37.72N	1.64W	5–2	3.2L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=150.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=163.4.							
SFS	Event type ke.							
MDD	Event type fe. Error ellipse: s-maj=2.4km s-min=1.5km az=145.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.							
LDG	Event type ke. Error ellipse: s-maj=3.5km s-min=1.8km az=142.0.							
INMG	Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=137.0.							
ISC	**V**	**23 15 45 28.9–1.2**	**37.90N–.04**	**0.50W–.04**	**26–12**		**99**	**1-7**
SFS	V	23 15 45 28.0	37.85N	0.49W	14	2.7L		**¶12867598**
INMG	V	23 15 45 28.5–1.2	37.84N	0.44W	15–3	2.3L		
LDG	V	23 15 45 28.9–.21	37.92N	0.55W	2	2.8L		
CSEM	V	23 15 45 28.6–.34	37.99N	0.64W	8	2.9L		
MDD	V	23 15 45 29.1–.61	37.87N	0.49W	12–0	2.6		
ISCJB	V	23 15 45 29.8–.63	38.02N–.05	0.63W–.05	31–7	2.6		
ISC	Event type ke.							
SFS	Event type ke.							
INMG	Event type ke.							
LDG	Event type ke.							
CSEM	Event type ke.							
MDD	Event type fe. EMS: III INTENSIDAD MAXIMA. PRXIMO.							
ISCJB	Event type fe.							
ISC	**V**	**29 00 41 26.2–1.0**	**38.48N–.02**	**1.27W–.02**	**10–8**		**295**	**0-8**
ISCJB	V	29 00 41 24.7–.34	38.57N–.02	1.43W–.02	0–2			**¶12954579**
CSEM	V	29 00 41 26.3–.09	38.48N	1.31W	8	3.6L		
SFS	V	29 00 41 26.0	38.46N	1.25W	1	3.2L		
INMG	V	29 00 41 27.1–1.7	38.47N	1.26W	5–3	3.2L		
MDD	V	29 00 41 27.0–.24	38.47N	1.27W	0	3.0		
LDG	V	29 00 41 27.3–.11	38.43N	1.23W	2	3.2L		
ISC	Event type ke.							
ISCJB	Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=151.4.							
CSEM	Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=138.0.							
SFS	Event type ke.							
INMG	Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=118.0.							
MDD	Event type fe. Error ellipse: s-maj=2.5km s-min=2.1km az=118.0. EMS: IV INTENSIDAD MAXIMA. PRXIMO.							
LDG	Event type ke. Error ellipse: s-maj=2.9km s-min=1.5km az=130.0.							
MDD	**V**	**31 02 36 48.5–.55**	**37.03N**	**5.46W**	**9–5**	**1.0**		
CSEM	V	31 02 36 48.5	37.03N	5.46W	9	1.0L		**¶14785374**
MDD	Error ellipse: s-maj=4.9km s-min=4.4km az=23.0. PRXIMO.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.							
ISC	**VI**	**12 07 30 12.5–1.3**	**37.05N–.03**	**5.44W–.03**	**19–2**		**92**	**0-3**
CSEM	VI	12 07 30 10.9–.16	37.15N	5.45W	10	2.7L		**¶13353552**
ISCJB	VI	12 07 30 11.9–.64	37.07N–.06	5.48W–.04	24–9	2.7L		
PDA	VI	12 07 30 12.8–1.3	37.10N	5.42W	19–3	2.1L		

INMG VI 12 07 30 12.8–1.3 37.10N 5.42W 19–3 2.1L
MDD VI 12 07 30 12.3–.39 37.08N 5.43W 11–0 2.1
IGIL VI 12 07 30 12.9 37.09N 5.43W 21 2.0L
SFS VI 12 07 30 13.0 37.08N 5.42W 21 2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=18.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.2km az=174.3.
PDA Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=22.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=22.0.
MDD Error ellipse: s-maj=4.0km s-min=2.9km az=11.0.
SFS Event type ke.
ISC VI 12 07 31 15.6–.91 37.13N–.04 5.38W–.04 10 39 0-3
CSEM VI 12 07 31 15.4–.22 37.14N 5.40W 0–3 2.9L **¶13375416**
ISCJB VI 12 07 31 15.0–.63 37.14N–.04 5.34W–.05 10 2.9L
MDD VI 12 07 31 16.5–.41 37.11N 5.39W 0 2.1
SFS VI 12 07 31 16.0 37.17N 5.39W 15 2.0L
PDA VI 12 07 31 17.0–1.7 37.12N 5.42W 0 2.1L
INMG VI 12 07 31 17.0–1.7 37.12N 5.42W 0 2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.6km az=142.4.
MDD Error ellipse: s-maj=3.7km s-min=3.3km az=81.0.
SFS Event type ke.
PDA Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=53.0.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=53.0.

(378) Pyrenees.

MDD I 01 01 38 35.4–.38 43.12N 0.68W 10–4 1.7
CSEM I 01 01 38 34.3–.10 43.14N 0.66W 15 2.1L **¶11598071**
LDG I 01 01 38 35.4–.08 43.12N 0.68W 10 2.2L,2.2
MDD Error ellipse: s-maj=4.2km s-min=2.5km az=21.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=3.0.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=4.0.
ISC I 21 20 07 00.6–.79 42.87N–.02 1.06W–.01 18–2 306 0-8
ISCJB I 21 20 07 00.9–.24 42.90N–.02 1.14W–.02 26–2 **¶11660258**
CSEM I 21 20 07 00.5–.08 42.86N 1.05W 5 3.2L
MDD I 21 20 07 01.6–.18 42.86N 1.07W 2–2 2.8
INMG I 21 20 07 02.1–1.5 42.84N 1.09W 3–3 2.7L
LDG I 21 20 07 02.0–.05 42.86N 1.06W 2 3.3L,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=155.5.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=159.0.
MDD Error ellipse: s-maj=2.0km s-min=1.5km az=173.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=2.1km az=26.0.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=148.0.
ISC II 02 01 04 35.5–.81 43.23N–.02 0.61W–.01 14–5 175 0-5
ISCJB II 02 01 04 34.3–.25 43.27N–.02 0.61W–.02 13–2 **¶11667220**
CSEM II 02 01 04 35.4–.08 43.24N 0.61W 10 2.5L
MDD II 02 01 04 36.4–.30 43.20N 0.63W 5–4 2.0
STR II 02 01 04 36.9–.19 43.04N 0.66W 5 2.4L
LDG II 02 01 04 36.2–.05 43.20N 0.63W 2 2.7,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=151.6.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=152.0.
MDD Error ellipse: s-maj=3.1km s-min=2.0km az=179.0. PRXIMO.
STR Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=154.0.
ISC II 09 08 38 28.0–.53 43.16N–.01 0.27W–.01 13–4 630 0-30
ISCJB II 09 08 38 26.9–.20 43.21N–.01 0.28W–.01 13–1 3.1b **¶11670602**
CSEM II 09 08 38 28.5–.05 43.18N 0.25W 5 4.1L
STR II 09 08 38 29.0–.17 43.07N 0.28W 5 4.2L
INMG II 09 08 38 29.4–1.5 42.97N 0.07W 11–5 3.3L
LDG II 09 08 38 30.3–.05 43.12N 0.25W 3 4.1L,3.7
NEIC II 09 08 38 30.3 43.12N 0.25W 3 4.2L,4.1L
MDD II 09 08 38 30.1–.27 43.13N 0.28W 3–2 3.4,4.1L
IDC II 09 08 38 35.8–4.0 42.43N 0.05E 16–32 4.0L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=141.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=141.0.
STR Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=4.0km az=87.0.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=136.0.
NEIC Event type fe. Felt at Tarbes. After LDG.
MDD Event type fe. Error ellipse: s-maj=2.9km s-min=1.8km az=153.0. EMS: IV-V INTENSIDAD FRANCIA (BCSF). PRXIMO II INTENSIDAD MAXIMA ESPAA.
IDC Error ellipse: s-maj=50.5km s-min=15.0km az=139.0.
MDD II 17 02 56 24.6–.39 42.87N 1.10W 0 0.5
CSEM II 17 02 56 24.1–.08 42.87N 1.10W 5 0.5L **¶11682839**
LDG II 17 02 56 24.2–.09 42.87N 1.10W 2 1.3
MDD Error ellipse: s-maj=3.7km s-min=2.5km az=159.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=173.0.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=171.0.
ISC II 21 00 07 09.6–.86 43.15N–.02 0.20W–.01 10–6 150 0-5
ISCJB II 21 00 07 08.3–.24 43.20N–.02 0.16W–.02 7–3 **¶11729301**
CSEM II 21 00 07 09.6–.11 43.14N 0.18W 8 2.5L
MDD II 21 00 07 10.8–.31 43.11N 0.21W 0 1.9
STR II 21 00 07 10.2–.11 43.06N 0.22W 5 2.4L
LDG II 21 00 07 10.3–.07 43.09N 0.21W 5 2.6L,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=160.5.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=177.0.
MDD Error ellipse: s-maj=3.7km s-min=2.0km az=180.0. PRXIMO.
STR Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=2.0.
ISC II 21 00 09 28.8–1.1 43.00N–.09 0.21W–.02 11 18 0-1
ISCJB II 21 00 09 28.2–.75 43.0N–.10 0.21W–.04 11 **¶11729302**
LDG II 21 00 09 28.9–.03 43.05N 0.22W 3 1.4
CSEM II 21 00 09 28.6–.20 42.95N 0.21W 15 0.9L
MDD II 21 00 09 29.4–.58 43.03N 0.21W 0 0.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=4.3km az=177.6.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=174.0.
CSEM Event type ke.
MDD Error ellipse: s-maj=10.2km s-min=3.2km az=174.0. PRXIMO SIN SOLUCIN.
MDD III 07 16 44 27.7–.13 42.84N 1.42W 0 1.3
CSEM III 07 16 44 27.7 42.84N 1.42W 0 1.3L **¶14558238**
MDD Error ellipse: s-maj=1.6km s-min=1.1km az=34.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
ISC III 10 10 29 09.9–.51 43.24N–.03 0.82W–.02 20–1 92 0-3
CSEM III 10 10 29 09.8–.14 43.19N 0.78W 15 2.6L **¶11938365**
ISCJB III 10 10 29 10.1–.45 43.20N–.04 0.82W–.03 19–4 2.6L
LDG III 10 10 29 10.3–.11 43.21N 0.81W 7 2.6,2.4L
STR III 10 10 29 10.7–.17 43.14N 0.79W 5 2.4L,2.4L
MDD III 10 10 29 10.7–.43 43.21N 0.82W 11–0 2.2,2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=170.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=174.4.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=159.0.
STR Event type ke.
MDD Error ellipse: s-maj=4.3km s-min=2.7km az=169.0. PRXIMO.
ISC IV 05 20 01 25.8–1.0 42.70N–.03 1.70W–.03 13–7 84 0-4
CSEM IV 05 20 01 24.7–.21 42.69N 1.70W 10 1.9L **¶12579653**
STR IV 05 20 01 24.2–.13 42.66N 1.78W 2 1.9L
ISCJB IV 05 20 01 24.3–.52 42.70N–.03 1.72W–.04 13–3 1.9L
LDG IV 05 20 01 25.9–.10 42.72N 1.70W 2 2.4,1.9L
MDD IV 05 20 01 25.5–.37 42.68N 1.71W 0 1.5,1.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=131.0.
STR Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.4km az=149.8.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=155.0.
MDD Error ellipse: s-maj=3.4km s-min=2.8km az=143.0. PRXIMO.
ISC IV 08 07 08 20.8–.98 43.13N–.03 1.25W–.04 15–5 23 0-2
ISCJB IV 08 07 08 20.6–.77 43.13N–.06 1.25W–.07 15–6 **¶12742083**
LDG IV 08 07 08 21.3–.18 43.12N 1.25W 2 2.5L,2.1
MDD IV 08 07 08 21.9–.30 43.11N 1.28W 0 1.4,2.1
CSEM IV 08 07 08 21.3–.25 43.13N 1.21W 2 2.5L,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=9.0km az=25.2.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=116.0.
MDD Error ellipse: s-maj=3.7km s-min=1.4km az=63.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.1km az=100.0.
ISC IV 22 23 50 14.7–1.0 43.51N–.02 0.65W–.02 6–9 123 0-6
ISCJB IV 22 23 50 12.9–.36 43.53N–.02 0.63W–.02 2–3 **¶12757326**
CSEM IV 22 23 50 14.0–.10 43.51N 0.62W 2 2.4L
STR IV 22 23 50 14.5–.23 43.50N 0.61W 5 2.4L
MDD IV 22 23 50 15.1–.36 43.50N 0.63W 0 1.7
LDG IV 22 23 50 15.8–.11 43.43N 0.62W 10 2.6,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=42.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=139.0.
STR Event type ke.
MDD Error ellipse: s-maj=3.4km s-min=2.4km az=164.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=144.0.
ISC V 05 06 00 25.1–.85 42.29N–.02 2.19E–.02 10–5 110 0-5
ISCJB V 05 06 00 23.6–.32 42.32N–.02 2.16E–.03 15–3 **¶12793968**
CSEM V 05 06 00 24.5–.09 42.31N 2.17E 10 2.8L
STR V 05 06 00 24.7–.44 42.29N 2.18E 5 2.6L
MDD V 05 06 00 25.5–.21 42.29N 2.18E 6–2 2.1
LDG V 05 06 00 25.0–.06 42.29N 2.19E 5 2.7L,2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=154.9.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=149.0.
STR Event type ke.
MDD Error ellipse: s-maj=1.8km s-min=1.7km az=41.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=155.0.
ISC V 17 01 44 07.2–.59 43.12N–.02 0.31W–.01 6–4 132 0-5
ISCJB V 17 01 44 05.1–.26 43.18N–.02 0.28W–.02 9–3 **¶12842977**
CSEM V 17 01 44 06.2–.09 43.15N 0.30W 8 2.4L
STR V 17 01 44 06.5–.12 43.08N 0.32W 5 2.3L
MDD V 17 01 44 07.4–.24 43.10N 0.32W 0 3.1b,1.9
LDG V 17 01 44 07.2–.07 43.12N 0.32W 2 2.6L,2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=154.9.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=154.0.
STR Event type ke.
MDD Error ellipse: s-maj=2.9km s-min=1.6km az=176.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=163.0.
MDD V 28 09 06 14.6–.33 42.25N 1.33E 0 1.0
CSEM V 28 09 06 14.6 42.25N 1.33E 0 1.0L **¶14785309**
MDD Error ellipse: s-maj=5.6km s-min=2.4km az=45.0. PRXIMO SIN SOLUCIN.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
ISC VI 11 04 05 48.1–.98 42.57N–.02 2.33E–.02 6–8 95 0-4
ISCJB VI 11 04 05 46.6–.33 42.61N–.02 2.30E–.03 5–3 **¶13196154**
CSEM VI 11 04 05 47.6–.10 42.58N 2.32E 10 2.4L
LDG VI 11 04 05 48.5–.07 42.57N 2.32E 3 2.6,2.4L
STR VI 11 04 05 48.0–.10 42.55N 2.31E 5 2.4L,2.4L
MDD VI 11 04 05 48.8–.21 42.57N 2.31E 0 1.9,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=136.6.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=137.0.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=139.0.
STR Event type ke.
MDD Error ellipse: s-maj=2.4km s-min=1.6km az=172.0.
ISC VI 12 23 08 32.7–.93 43.33N–.03 1.70W–.03 31–6 77 0-5
CSEM VI 12 23 08 32.0–.15 43.38N 1.75W 25 2.3L **¶13196519**
LDG VI 12 23 08 33.9–.09 43.28N 1.64W 25 2.4,2.1L
MDD VI 12 23 08 34.1–.37 43.30N 1.71W 25–1 2.0,2.1L
STR VI 12 23 08 35.0–1.1 43.16N 1.70W 2 2.1L,2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=178.0.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=171.0.
MDD Error ellipse: s-maj=3.9km s-min=3.5km az=175.0.
STR Event type ke.
ISC VI 13 23 36 51.1–.95 42.58N–.02 2.33E–.02 6–8 93 0-4
STR VI 13 23 36 50.9–.09 42.56N 2.31E 5 2.2L **¶13196688**
CSEM VI 13 23 36 50.5–.13 42.60N 2.32E 10 2.4L
MDD VI 13 23 36 51.8–.21 42.57N 2.31E 0 1.8
LDG VI 13 23 36 51.3–.04 42.57N 2.31E 3 2.5,2.2L
ISC Event type ke.
STR Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=130.0.
MDD Error ellipse: s-maj=2.4km s-min=1.7km az=172.0.
LDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=124.0.
MDD VI 19 10 59 04.1–.28 42.57N 2.31E 0 1.1
CSEM VI 19 10 59 02.9–.13 42.58N 2.29E 15 1.7L **¶13256287**
STR VI 19 10 59 03.7–.06 42.56N 2.31E 2 1.8L
LDG VI 19 10 59 03.6–.06 42.58N 2.30E 3 1.8L,1.8
MDD Error ellipse: s-maj=3.3km s-min=2.1km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=110.0.
STR Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=130.0.
ISC VI 19 13 59 22.3–.77 43.05N–.02 0.02W–.01 11–4 148 0-7
ISCJB VI 19 13 59 20.6–.29 43.11N–.02 0.01E–.02 14–2 **¶13256328**
CSEM VI 19 13 59 21.8–.10 43.07N 0.01W 8 2.6L
MDD VI 19 13 59 23.0–.23 43.03N 0.04W 0 2.3
LDG VI 19 13 59 22.2–.11 43.12N 0.00W 2 2.9L,2.9
STR VI 19 13 59 22.0–.14 42.99N 0.03W 5 2.9L,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=9.8.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=8.0.
MDD Error ellipse: s-maj=2.7km s-min=1.4km az=9.0.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=171.0.
STR Event type ke.

(379) Near south coast of France.

ISC II 12 00 00 31.9–1.0 43.47N–.03 7.94E–.02 23–10 124 0-5
CSEM II 12 00 00 31.9–.21 43.48N 7.93E 15 3.0L **¶11682810**
LDG II 12 00 00 33.0–.14 43.44N 7.85E 13–1 2.8L,2.7
ISCJB II 12 00 00 33.0–.49 43.55N–.03 7.93E–.03 33–3 2.8L,2.7
ROM II 12 00 00 34.6–.25 43.63N 7.91E 30–2 2.6L,2.7
STR II 12 00 00 34.3–.34 43.52N 7.85E 5 2.8L,2.7
GEN II 12 00 00 34.6 43.57N 7.94E 19 2.5L,2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=16.0.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=10.5.
ROM Event type ke. Error ellipse: s-maj=5.1km s-min=1.9km az=34.0.
STR Event type ke.
LDG IV 01 03 14 51.7–.09 43.55N 6.16E 4 2.0L,1.7
CSEM IV 01 03 14 50.8–.23 43.55N 6.14E 5 1.7L,1.7 **¶12579621**
STR IV 01 03 14 52.6–.84 43.63N 6.20E 5 2.2L,1.7
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=30.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=21.0.
STR Event type ke.
ISC IV 21 19 37 02.5–1.1 43.53N–.03 7.66E–.03 21–2 138 0-5
CSEM IV 21 19 37 02.2–.25 43.56N 7.61E 15 2.8L **¶12756803**
LDG IV 21 19 37 02.7–.09 43.56N 7.67E 12 2.7L,2.7
GEN IV 21 19 37 03.2 43.56N 7.60E 9 2.5L,2.7
ROM IV 21 19 37 03.8–.56 43.61N 7.62E 10 2.6L,2.7
STR IV 21 19 37 05.4–.48 43.66N 7.61E 5 2.8L,2.7
ISC Event type ke.

CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=142.0.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=47.0.
ROM Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=14.0.
STR Event type ke.
ISC V 13 12 14 02.2–1.1 43.54N–.03 7.87E–.02 19–3 111 0-4
CSEM V 13 12 14 02.9–.19 43.57N 7.86E 19 3.0L **¶12842963**
LDG V 13 12 14 03.7–.13 43.61N 7.89E 18–0 2.9,2.7L
ISCJB V 13 12 14 03.2–.61 43.56N–.03 7.84E–.04 30–3 2.9,2.7L
ROM V 13 12 14 04.8–.64 44.44N 8.50E 4 2.6L,2.7L
GEN V 13 12 14 04.0 43.52N 7.85E 28 2.5L,2.7L
STR V 13 12 14 04.5–.31 43.60N 7.85E 5 2.7L,2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=112.0.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=5.1km az=146.5.
ROM Event type ke. Error ellipse: s-maj=6.5km s-min=3.7km az=71.0.
STR Event type ke.
ISC VI 19 02 56 41.2–.80 43.97N–.02 7.56E–.02 6–4 88 0-3
LDG VI 19 02 56 41.5–.12 43.96N 7.63E 2 2.5,2.1L **¶13256213**
ISCJB VI 19 02 56 41.4–.37 43.96N–.02 7.53E–.02 13–2 2.5,2.1L
STR VI 19 02 56 41.4–.29 44.03N 7.57E 5 2.1L,2.1L
ROM VI 19 02 56 41.9–.67 44.00N 7.53E 6–5 2.1,1.3L
CSEM VI 19 02 56 42.1–.16 43.97N 7.53E 5 2.0L,1.3L
GEN VI 19 02 56 42.5 43.99N 7.55E 3 1.2L,1.3L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=159.8.
STR Event type ke.
ROM Event type ke. Error ellipse: s-maj=9.5km s-min=3.2km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=157.0.

(380) Corsica.

GEN I 03 08 59 06.8 43.79N 8.14E 6 1.1L
CSEM I 03 08 59 07.1–.37 43.83N 8.09E 10 1.1L **¶15849595**
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=2.8km az=170.0.
LDG IV 16 14 50 58.7–.21 42.03N 9.76E 15 2.5,2.4L
CSEM IV 16 14 50 58.7 42.13N 9.69E 2 2.4L,2.4L **¶12756778**
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LDG.
ISC IV 30 00 57 24.3–1.4 42.72N–.04 9.80E–.03 10–12 142 1-7
ROM IV 30 00 57 24.7–.38 42.70N 9.80E 22–5 2.7L **¶12746036**
GEN IV 30 00 57 25.4 42.67N 9.73E 37 2.7L
STR IV 30 00 57 25.4–.21 42.54N 8.99E 5 2.8L
LDG IV 30 00 57 26.7–.20 42.64N 9.80E 10 2.9,2.8L
CSEM IV 30 00 57 26.2–.24 42.69N 9.82E 30 3.0L,2.8L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=19.0.
STR Event type ke.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=2.7km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=3.2km az=4.0.

(381) Central Italy.

ROM I 01 01 37 40.2–.16 43.98N 12.18E 37–5 2.5,2.4L
PRU I 01 01 37 38.0 44.25N 12.15E 6 2.5,2.4L **¶11593967**
GEN I 01 01 37 39.1 43.96N 12.26E 31 2.3L,2.4L
CSEM I 01 01 37 39.5–.16 44.06N 12.14E 30 2.8L,2.4L
LDG I 01 01 37 39.1–.13 44.11N 12.33E 25 2.6L,2.4L
ROM Event type ke. Error ellipse: s-maj=3.1km s-min=1.7km az=17.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=35.0.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=42.0.
ISC I 01 23 57 55.0–1.0 43.42N–.04 10.19E–.03 20–4 114 0-6
ISCJB I 01 23 57 55.4–.54 43.46N–.03 10.13E–.04 23–4 **¶11593975**
ROM I 01 23 57 55.1–.32 43.45N 10.20E 8–9 2.4,2.4L
CSEM I 01 23 57 55.5–.24 43.47N 10.17E 10 2.5L,2.4L
GEN I 01 23 57 55.7 43.48N 10.20E 4 2.5L,2.4L
LDG I 01 23 57 57.1–.20 43.30N 10.13E 10 2.3L,2.4L
PRU I 01 23 58 03.7 43.92N 10.51E 0 2.3L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=154.7.
ROM Event type ke. Error ellipse: s-maj=8.5km s-min=3.1km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=159.0.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=101.0.
ISC I 04 07 42 32.4–.79 43.01N–.01 12.81E–.02 10–5 214 0-48
CSEM I 04 07 42 32.8–.11 42.97N 12.77E 15 2.7L **¶11594013**
LDG I 04 07 42 33.4–.13 43.03N 12.90E 10 3.0L
ROM I 04 07 42 33.2–.10 43.02N 12.87E 6–1 3.1L
PRU I 04 07 42 34.5 43.03N 13.16E 0 3.1L
VIE I 04 07 42 35.5–.76 43.08N 13.16E 10 3.0L,3.0b
IDC I 04 07 42 35.5–2.4 43.14N 13.11E 0 3.5,3.4b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=55.0.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=54.0.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=58.0.
VIE Error ellipse: s-maj=6.0km s-min=5.3km az=27.0. 109 km SSE of San Marino .
IDC Error ellipse: s-maj=32.4km s-min=24.4km az=86.0.
ROM I 05 17 06 14.1–.23 43.14N 13.53E 27–3 2.0,1.5L
CSEM I 05 17 06 14.1 43.14N 13.53E 27 2.0,1.5L **¶13900542**
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM I 17 07 07 36.9–.05 42.36N 13.38E 9–0 1.3,1.0L
CSEM I 17 07 07 36.9–.47 42.33N 13.29E 2 1.3,1.0L **¶13900672**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=64.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=3.3km az=40.0.
ROM I 22 05 24 49.3–.15 43.02N 13.06E 14–1 1.2,1.1L
¶13900723
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=3.0.
ISC I 22 09 04 28.9–1.4 43.45N–.02 12.97E–.02 35–1 135 0-4
GEN I 22 09 04 27.0 43.45N 12.93E 16 2.8L **¶13900725**
ISCJB I 22 09 04 28.1–.33 43.46N–.02 13.00E–.03 52–4 2.8L
CSEM I 22 09 04 28.9–.09 43.44N 12.97E 40 3.5L
ROM I 22 09 04 29.0–.10 43.41N 12.95E 37–1 2.8,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=39.1.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=91.0.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=42.0.
ISC II 01 05 52 04.7–.82 42.32N–.02 13.47E–.02 7–5 60 0-3
ISCJB II 01 05 52 04.5–.38 42.32N–.02 13.48E–.04 9–4 **¶13900906**
ROM II 01 05 52 04.1–.09 42.31N 13.47E 7–1 2.7,2.1L
CSEM II 01 05 52 04.7–.12 42.33N 13.48E 2 2.5L,2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.1km az=149.1.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=61.0.
ROM II 09 14 20 05.5–.18 43.34N 13.27E 6–0 1.8,1.3L
CSEM II 09 14 20 05.5 43.34N 13.27E 6 1.8,1.3L **¶13901006**
ROM Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=78.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM II 13 01 43 44.6–.04 43.34N 12.61E 9–0 1.6,1.4L
CSEM II 13 01 43 44.6 43.34N 12.61E 9 1.6,1.4L **¶13901043**
ROM Event type ke. Error ellipse: s-maj=0.5km s-min=0.4km az=51.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM II 13 06 59 10.8–.15 43.64N 12.08E 8–1 1.7,1.7L
¶16359727
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=1.0.
ROM II 13 06 59 15.0–.31 43.65N 12.08E 8–3 1.7L,1.6
CSEM II 13 06 59 14.7 43.64N 12.08E 9 1.2,1.6 **¶13901061**
ROM Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=30.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
CSEM II 13 06 59 33.5 43.65N 12.07E 9 1.2
¶13901059
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM II 14 02 58 22.5–.07 42.38N 13.33E 6–1 1.7
CSEM II 14 02 58 23.2–.13 42.38N 13.33E 2 1.7 **¶13901134**
ROM Event type ke. Error ellipse: s-maj=0.6km s-min=0.2km az=126.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=134.0.
ROM II 15 04 06 25.7–.12 42.36N 13.36E 10–1 1.9,1.7L
CSEM II 15 04 06 25.7 42.36N 13.36E 10 1.9,1.7L **¶13901155**
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.7km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC II 22 11 21 27.1–.80 42.03N–.01 13.20E–.01 11–5 3.4b 216 0-68
LDG II 22 11 21 26.5–.12 42.01N 13.22E 2 3.1L **¶11713528**
ISCJB II 22 11 21 26.1–.23 42.06N–.02 13.18E–.02 4–2 3.4b
CSEM II 22 11 21 26.3–.12 42.04N 13.19E 2 3.8L,3.3s
ROM II 22 11 21 26.2–.10 42.04N 13.22E 8–1 3.2L,3.3s
IDC II 22 11 21 27.5–1.1 42.09N 13.15E 0 3.7,3.6
VIE II 22 11 21 29.2–.58 42.12N 13.31E 10 3.3s,3.1b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=38.6.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=46.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=35.0.
IDC Error ellipse: s-maj=20.5km s-min=14.0km az=97.0.
VIE Error ellipse: s-maj=8.2km s-min=4.1km az=112.0.
ISC II 23 05 47 42.1–.85 43.01N–.02 13.64E–.02 25–5 143 0-7
ISCJB II 23 05 47 41.9–.28 43.05N–.02 13.66E–.03 29–2 **¶11713579**
ROM II 23 05 47 42.5–.15 42.98N 13.61E 22–2 2.7,2.6L
CSEM II 23 05 47 42.1–.13 43.01N 13.65E 20–0 3.2L,2.6L
LDG II 23 05 47 43.7–.23 43.02N 13.59E 10 2.9L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=148.3.
ROM Event type ke. Error ellipse: s-maj=3.2km s-min=1.4km az=42.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=62.0.
LDG Event type ke. Error ellipse: s-maj=7.2km s-min=3.4km az=59.0.
ROM II 23 16 27 24.8–.05 43.65N 12.07E 10–0 1.6,0.9L
CSEM II 23 16 27 24.8 43.65N 12.07E 10 1.6,0.9L **¶13901311**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=16.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM II 23 18 33 51.2–.12 43.65N 12.08E 10–0 1.6,0.7L
CSEM II 23 18 33 51.2 43.65N 12.08E 10 1.6,0.7L **¶13901318**
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM III 06 07 11 42.6–.08 43.78N 11.95E 8–1 1.4,1.2L
CSEM III 06 07 11 42.6 43.78N 11.95E 8 1.4,1.2L **¶13901573**
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=6.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM III 06 07 16 16.3–.04 43.78N 11.94E 7–0 1.3,1.0L
¶13901574
ROM Event type ke. Error ellipse: s-maj=0.4km s-min=0.3km az=8.0.
ROM III 06 08 24 22.5–.06 43.77N 11.93E 11–1 1.7,1.2L
CSEM III 06 08 24 22.5 43.77N 11.93E 11 1.7,1.2L **¶13901576**
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM III 07 02 45 56.1–.20 43.31N 12.56E 12–7 1.6L,1.3
¶13901591
ROM Event type ke. Error ellipse: s-maj=8.0km s-min=0.8km az=127.0.
ROM III 07 18 20 48.1–.06 43.78N 11.94E 8–0 1.4,1.1L
CSEM III 07 18 20 48.1 43.78N 11.94E 8 1.4,1.1L **¶13901596**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=126.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM III 11 17 27 45.0–.61 43.39N 13.22E 9–3 1.8,1.3L
¶13901674
ROM Event type ke. Error ellipse: s-maj=10.5km s-min=3.8km az=160.0.
ISC III 11 21 55 50.2–.70 42.34N–.02 13.37E–.02 11–4 151 0-8
ISCJB III 11 21 55 49.4–.24 42.34N–.02 13.35E–.03 12–2 **¶11813801**
ROM III 11 21 55 49.6–.10 42.33N 13.38E 9–1 2.9L
CSEM III 11 21 55 49.8–.11 42.34N 13.34E 2 3.7L,3.5s
LDG III 11 21 55 50.3–.26 42.32N 13.40E 2 2.8L,3.5s
VIE III 11 21 55 50.8–.58 42.39N 13.44E 10 3.5s,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=155.3.
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=79.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=68.0.
LDG Event type ke. Error ellipse: s-maj=9.2km s-min=6.2km az=54.0.
VIE Error ellipse: s-maj=9.9km s-min=4.1km az=88.0.
ROM III 12 23 34 41.8–.17 42.98N 13.28E 23–3 2.2,1.9L
CSEM III 12 23 34 41.8 42.98N 13.28E 23 2.2,1.9L **¶13901694**
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC III 17 01 12 51.7–.74 42.01N–.02 14.01E–.01 8–5 3.6b 423 0-68
STR III 17 01 12 37.1–.95 41.66N 15.37E 5 3.4L **¶11938389**
SZGRF III 17 01 12 47.7 41.62N 14.60E 10 3.4L
ISCJB III 17 01 12 50.6–.21 42.02N–.01 13.97E–.02 14–1 3.5b
IDC III 17 01 12 50.4–1.1 42.10N 13.76E 0 3.6L,3.6
ROM III 17 01 12 50.5–.09 41.99N 14.02E 7–1 3.6L,3.6
LDG III 17 01 12 51.0–.09 41.99N 14.09E 10 3.4L,3.6
PDG III 17 01 12 51.5–.71 42.05N 14.05E 9–1 3.6L,3.6
CSEM III 17 01 12 51.3–.09 41.99N 13.96E 10 4.2L,3.5s
PRU III 17 01 12 52.3 41.97N 13.94E 17 4.2L,3.5s
VIE III 17 01 12 52.3–.49 42.11N 14.14E 10 3.7L,3.5s
ISC Event type ke.
STR Event type ke.
SZGRF Southern Italy.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=34.2.
IDC Error ellipse: s-maj=20.1km s-min=12.5km az=86.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=40.0.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=45.0.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=2.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=26.0.
VIE Error ellipse: s-maj=3.9km s-min=3.3km az=160.0.
ROM III 17 08 59 15.3–.28 42.35N 13.35E 9–1 1.8,1.8L
¶13902158
ROM Event type ke. Error ellipse: s-maj=3.6km s-min=1.3km az=72.0.
ROM III 17 21 19 49.6–.10 43.41N 12.71E 7–1 2.5,2.1L
CSEM III 17 21 19 50.0–.16 43.40N 12.73E 5 2.8L,2.1L **¶13902169**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=43.0.
ISC III 18 05 27 45.5–.91 42.98N–.02 13.64E–.03 30–6 60 0-2
ISCJB III 18 05 27 45.7–.44 43.00N–.02 13.64E–.04 29–4 **¶13902173**
ROM III 18 05 27 45.2–.17 42.99N 13.63E 30–2 2.4,2.1L
CSEM III 18 05 27 45.4–.12 42.99N 13.63E 30 2.8L,2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=164.6.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=66.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=82.0.
ISC III 29 08 43 08.8–.63 42.03N–.02 13.99E–.01 10–4 4.1b 481 0-68
SZGRF III 29 08 43 05.6 41.78N 14.09E 10 4.1b **¶15996846**
ROM III 29 08 43 07.9–.09 41.99N 14.00E 8–1 3.8L
MOS III 29 08 43 07.2–1.1 42.04N 13.84E 10 4.3b
ISCJB III 29 08 43 07.6–.19 42.06N–.01 13.96E–.02 11–1 3.9b
LDG III 29 08 43 07.6–.10 42.03N 14.02E 2 3.5L
CSEM III 29 08 43 08.5–.08 42.01N 13.91E 10 4.5L,4.0b
PRU III 29 08 43 08.6 41.99N 14.07E 0 4.5L,4.0b
BEO III 29 08 43 08.0–.74 41.85N 13.74E 22–20 4.0L,4.0b
IDC III 29 08 43 08.4–1.0 42.14N 13.91E 0 3.8,3.7b
PDG III 29 08 43 09.3–.37 42.12N 14.11E 13–0 3.6L,3.7b
NEIC III 29 08 43 09.0–.36 42.04N 13.92E 10 4.0L,3.8L
VIE III 29 08 43 10.8–.66 42.21N 14.14E 10 3.8L,3.5b
ISC Event type ke.
SZGRF Southern Italy.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=57.0.
MOS Error ellipse: s-maj=7.9km s-min=4.6km az=77.2.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=38.3.

LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=24.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=36.0.
BEO Event type ke.
IDC Error ellipse: s-maj=17.5km s-min=12.8km az=78.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.1km az=0.0.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.7km az=55.0. Felt [IV] at Introdacqua, Pratola Peligna, Sulmona and Torre de'Passeri; [III] at Chieti and Francavilla al Mare; [II] at Cassino and L'Aquila. Also felt at Palena, Pescara and Popoli.
VIE Error ellipse: s-maj=5.1km s-min=3.7km az=148.0. 141 km ENE of Rome .

ISC	**III**	**30 13 38 39.8–.68**	**42.34N–.01**	**13.35E–.01**	**10–4**	**4.1b**	**672**	**0-80**
ISCJB	III	30 13 38 38.2–.18	42.36N–.01	13.33E–.01	9–1	4.0b,3.9s		¶12068427
IDC	III	30 13 38 38.6–.91	42.43N	13.19E	0	4.0L,4.0		
STR	III	30 13 38 38.2–1.1	42.33N	13.58E	5	3.9L,4.0		
MOS	III	30 13 38 38.9–.93	42.43N	13.34E	11	4.5b,4.0		
ROM	III	30 13 38 38.9–.08	42.32N	13.38E	10–0	4.1L,4.0		
LDG	III	30 13 38 38.1–.07	42.36N	13.39E	2	3.9L,4.0		
NEIC	III	30 13 38 39.7–.21	42.36N	13.35E	5	4.4W,4.3b		
PDG	III	30 13 38 39.2–1.1	42.36N	13.38E	9–1	4.0L,4.3b		
CSEM	III	30 13 38 40.9–.09	42.32N	13.27E	20	4.4b,4.4W		
PRU	III	30 13 38 41.9	42.20N	13.67E	39	4.3,4.4W		
VIE	III	30 13 38 42.2–.39	42.50N	13.44E	10	3.9L,3.9s		
THE	III	30 13 39 06.4	41.62N	15.74E	7–72	3.9L,3.9s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=37.6.
IDC Error ellipse: s-maj=15.7km s-min=15.0km az=26.0.
STR Event type ke.
MOS Error ellipse: s-maj=5.4km s-min=3.9km az=86.2.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=50.0.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=32.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=202.0. Felt [V] at L'Aquila, [IV] at Barisciano and Scoppito and [III] at Rieti and Teramo. Felt [II] in much of Abruzzo, Lazio, Marche and Umbria. Moment Tensor Solution. $M_0$4.90000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=24.0.
VIE Error ellipse: s-maj=3.6km s-min=3.0km az=100.0. 103 km NE of Rome .
THE Event type ke. Error ellipse: s-maj=72.4km s-min=9.4km az=287.0.

ISC	**III**	**30 13 43 27.5–.74**	**42.32N–.02**	**13.38E–.02**	**12–4**	**3.4b**	**168**	**0-68**
ROM	III	30 13 43 26.9–.09	42.32N	13.38E	10–1	3.4L		¶12084853
ISCJB	III	30 13 43 26.2–.23	42.32N–.02	13.34E–.02	13–2	3.3b		
CSEM	III	30 13 43 26.8–.12	42.32N	13.37E	8	3.2L		
IDC	III	30 13 43 26.8–1.3	42.43N	13.21E	0	3.5,3.3b		
LDG	III	30 13 43 28.2–.22	42.28N	13.38E	2	3.2L,3.3b		
VIE	III	30 13 43 31.8–.59	42.62N	13.49E	10	3.3L,3.2b		

ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=140.6.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=54.0.
IDC Error ellipse: s-maj=21.7km s-min=16.7km az=92.0.
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=5.1km az=48.0.
VIE Error ellipse: s-maj=6.0km s-min=4.8km az=97.0. 115 km NE of Rome .

ROM	**III**	**30 14 10 44.3–.10**	**42.32N**	**13.37E**	**10–1**	**2.4L**		
CSEM	III	30 14 10 44.3	42.32N	13.37E	10	2.4L		¶12089887

ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.5km az=147.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC	**III**	**30 14 11 04.5–.95**	**42.33N–.02**	**13.38E–.03**	**12–5**		**34**	**0-1**
ISCJB	III	30 14 11 04.4–.83	42.32N–.03	13.37E–.04	12–7			¶15996893
CSEM	III	30 14 11 04.2	42.33N	13.37E	10	2.1		
ROM	III	30 14 11 04.2–.13	42.33N	13.37E	10–1	2.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.0km az=139.8.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=27.0.

ISC	**III**	**30 19 05 28.8–.78**	**42.31N–.02**	**13.35E–.02**	**13–5**		**155**	**0-8**
ISCJB	III	30 19 05 27.9–.23	42.31N–.02	13.33E–.02	13–2			¶12070697
ROM	III	30 19 05 28.5–.09	42.32N	13.37E	10–1	3.1L,3.0		
CSEM	III	30 19 05 28.4–.12	42.31N	13.35E	2	3.8L,3.0		
LDG	III	30 19 05 30.3–.18	42.25N	13.31E	2	3.0L,3.0		
VIE	III	30 19 05 33.2–.54	42.56N	13.38E	10	3.1L,3.0b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=41.8.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=39.0.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=45.0.
VIE Error ellipse: s-maj=5.8km s-min=4.3km az=64.0. 104 km NE of Rome .

ISC	**III**	**30 21 57 17.6–.71**	**42.33N–.02**	**13.37E–.02**	**15–4**		**185**	**0-48**
IDC	III	30 21 57 14.0–1.4	42.30N	12.99E	0	3.4,3.4s		¶12084493
ROM	III	30 21 57 17.3–.09	42.32N	13.38E	10–1	3.3L,3.4s		
ISCJB	III	30 21 57 17.5–.23	42.34N–.02	13.36E–.02	16–2	3.4s,3.2b		
CSEM	III	30 21 57 17.3–.10	42.32N	13.36E	10	3.9L,3.2b		
PRU	III	30 21 57 19.7	42.42N	13.97E	0	3.9L,3.2b		
LDG	III	30 21 57 19.0–.19	42.28N	13.30E	2	3.1L,3.2b		
TIR	III	30 21 57 21.5	42.24N	14.28E	0	4.2L,3.2b		
VIE	III	30 21 57 22.2–.50	42.61N	13.44E	10	3.2L,3.1b		

ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=15.6km az=92.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.2km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=37.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=52.0.
LDG Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=47.0.
VIE Error ellipse: s-maj=6.2km s-min=4.0km az=94.0. 111 km NE of Rome .

ROM	**III**	**31 02 50 13.1–.45**	**42.30N**	**13.35E**	**10–2**	**1.8,1.4L**		
								¶13903753

ROM Event type ke. Error ellipse: s-maj=8.2km s-min=2.0km az=49.0.

ROM	**III**	**31 08 13 58.1–.12**	**42.33N**	**13.37E**	**10–1**	**2.0,1.9L**		
CSEM	III	31 08 13 58.1	42.33N	13.37E	10	2.0,1.9L		¶13903759

ROM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=164.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC	**IV**	**03 04 44 42.9–.76**	**42.32N–.02**	**13.36E–.02**	**13–4**		**150**	**0-7**
CSEM	IV	03 04 44 42.9–.10	42.32N	13.37E	10	3.5L		¶12085160
ROM	IV	03 04 44 42.6–.10	42.31N	13.38E	9–1	3.0L		
ISCJB	IV	03 04 44 42.4–.23	42.33N–.02	13.34E–.02	14–2	3.0L		
LDG	IV	03 04 44 44.1–.13	42.31N	13.35E	2	2.8L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=69.0.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=160.9.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=56.0.

ISC	**IV**	**05 20 48 55.9–.47**	**42.34N–.01**	**13.37E–.01**	**12–2**	**4.0b,3.8s**	**521**	**0-79**
BJI	IV	05 20 48 53.4	42.40N	13.40E	10	4.7s,4.6b		¶16194188
BEO	IV	05 20 48 54.6–1.0	42.23N	13.06E	20–37	4.2L,4.6b		
ISCJB	IV	05 20 48 54.4–.21	42.34N–.01	13.34E–.01	13–1	4.0b,3.9s		
IDC	IV	05 20 48 54.7–.98	42.43N	13.28E	0	3.8,3.7L		
CSEM	IV	05 20 48 54.9–.09	42.32N	13.33E	2	4.3L,4.2b		
MOS	IV	05 20 48 54.1–1.1	42.33N	13.34E	13	4.2b,4.2b		
NEIC	IV	05 20 48 54.0	42.33N	13.37E	8	4.2W,4.1L		
ROM	IV	05 20 48 54.4–.07	42.33N	13.38E	10–0	3.9L,4.1L		
PDG	IV	05 20 48 55.5–.67	42.34N	13.38E	8–1	3.8L,4.1L		
LDG	IV	05 20 48 55.1–.17	42.35N	13.47E	2	3.6L,4.1L		
STR	IV	05 20 48 56.2–.00	42.36N	13.37E	10	3.6L,4.1L		
PRU	IV	05 20 48 57.7	42.59N	13.35E	0	4.5,4.1L		

ISC Event type fe.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=20.8.
IDC Error ellipse: s-maj=17.3km s-min=14.3km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=17.0.
MOS Error ellipse: s-maj=5.7km s-min=4.3km az=81.7.
NEIC Event type fe. Felt [IV] at L'Aquila and Scoppito and [II] at Cassino, Pomezia, Rieti, Rocca di Papa, Rome, Sulmona and Terni. After ROM. Moment Tensor Solution. $M_0$2.60000×10^{15}
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=85.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=15.0.

STR Event type ke.

ISC	**IV**	**05 22 39 42.8–.72**	**42.34N–.02**	**13.38E–.02**	**8–4**	**3.3b**	**262**	**0-62**
BEO	IV	05 22 39 41.3–.90	42.33N	13.17E	1–26	3.4L		¶12089196
ISCJB	IV	05 22 39 41.7–.21	42.35N–.01	13.38E–.02	8–2	3.3b		
ROM	IV	05 22 39 41.8–.08	42.33N	13.39E	10–1	3.5L		
LDG	IV	05 22 39 41.8–.10	42.34N	13.35E	2	3.3L		
CSEM	IV	05 22 39 42.2–.10	42.33N	13.35E	2	3.9L		
IDC	IV	05 22 39 42.6–1.1	42.51N	13.29E	0	3.5,3.5L		
PRU	IV	05 22 39 43.0	42.37N	13.52E	0	3.5,3.5L		

ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=30.1.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=51.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=55.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=39.0.
IDC Error ellipse: s-maj=28.3km s-min=13.5km az=99.0.

ISC	**IV**	**05 22 56 43.9–.91**	**42.99N–.03**	**13.63E–.03**	**25–5**		**62**	**0-3**
CSEM	IV	05 22 56 43.9–.18	42.99N	13.61E	19–0	2.6L		¶14835547
ISCJB	IV	05 22 56 43.9–.42	42.98N–.03	13.68E–.05	26–4	2.6L		
ROM	IV	05 22 56 44.1–.20	42.96N	13.60E	25–3	2.8,2.3L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.4km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=154.4.
ROM Event type ke. Error ellipse: s-maj=2.7km s-min=1.4km az=60.0.

ROM	**IV**	**06 00 36 32.0–.11**	**42.35N**	**13.38E**	**10–1**	**2.4,1.8L**		
CSEM	IV	06 00 36 32.0	42.35N	13.38E	10	2.4,1.8L		¶14835564

ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC	**IV**	**06 01 32 42.6–.23**	**42.37N–.01**	**13.32E–.01**	**14–1**	**6.2s,5.9b**	**3731**	**0-166**
BGS	IV	06 01 32 37.1–3.0	41.70N	12.67E	10	5.8s,5.6b		¶13438018
MDD	IV	06 01 32 38.4–2.4	42.43N	13.79E	0	6.2b,5.6b		
BJI	IV	06 01 32 38.0	42.45N	12.89E	10	6.8s,6.6		
ISCJB	IV	06 01 32 39.5–.18	42.380N–.01	13.367E–.01	2–1	6.2s,5.8b		
STR	IV	06 01 32 39.4–.75	42.28N	13.57E	5	5.8L,5.8b		
BEO	IV	06 01 32 39.3–.56	42.25N	13.15E	1–12	6.5L,5.8b		
NEIC	IV	06 01 32 39.0	42.33N	13.33E	9	6.3W,6.3W		
LDG	IV	06 01 32 39.8–.11	42.38N	13.45E	2	5.8s,5.6L		
PDA	IV	06 01 32 39.0	42.33N	13.33E	9	6.3W,5.6L		
PRU	IV	06 01 32 39.6	42.25N	13.53E	0	5.9,5.6L		
MOS	IV	06 01 32 40.7–1.1	42.43N	13.32E	14	6.2s,6.0b		
ROM	IV	06 01 32 40.4–.05	42.34N	13.38E	8–0	5.9L,6.0b		
IDC	IV	06 01 32 40.7–.32	42.46N	13.28E	0	6.2,6.2s		
CSEM	IV	06 01 32 40.9–.04	42.37N	13.33E	2	6.2W,6.1s		
PDG	IV	06 01 32 40.4–1.0	42.40N	13.37E	6–1	6.2L,6.2		
IGIL	IV	06 01 32 40.4	42.38N	13.32E	2	5.7b,6.2		
NIC	IV	06 01 32 41.4–1.0	42.38N	13.32E	2	5.7b,6.2		
TIR	IV	06 01 32 41.9	42.67N	14.15E	0	5.7b,6.2		
CRAAG	IV	06 01 32 41.4	42.38N	13.32E		6.3W,6.2		
SFS	IV	06 01 32 42.0	42.62N	13.39E	10	6.3L,6.2		
TEH	IV	06 01 32 42.0	42.42N	13.40E	10	6.3L,6.2		
THE	IV	06 01 32 43.7	42.37N	13.77E	1–12	6.5L,6.2		
GEN	IV	06 01 32 43.6	42.33N	13.33E	9	5.8L,6.2		
GCMT	IV	06 01 32 49.2–.10	42.29N	13.35E	12	6.3W,6.2		

ISC Event type de.
BGS Error ellipse: s-maj=99.0km s-min=47.5km az=-1.0.
MDD Error ellipse: s-maj=35.6km s-min=21.2km az=19.0.
ISCJB Event type de. Error ellipse: s-maj=1.2km s-min=0.8km az=18.8.
STR Event type ke.
BEO Event type ke.
NEIC Event type de. At least 295 people killed, 1,000 injured, 55,000 homeless, 15,000 buildings damaged or destroyed and landslides in the L'Aquila area. Felt [VII] at L'Aquila; [VI] at Corfinio and San Demetrio ne' Vestini; [V] at Avezzano, Chieti, Pescara, Rieti, San Benedetto del Tronto, Sulmona and Teramo; [IV] at Amelia, Ancona, Ascoli Piceno, Castelfrentano, Fiumicino, Fondi, Francavilla al Mare, Frosinone, Guidonia, Isernia, Lanciano, Latina, Macerata, Montesilvano, Naples, Osimo, Pesaro, Rome and Terni. Felt throughout central Italy and as far north as Florence, Milan and Venice and as far south as Bari and Salerno. Also felt in San Marino and at Vienna, Austria; Tirana, Albania; Knin, Croatia; Nuremberg, Germany; San Gwann, Malta; Celje, Slovenia; Zurich, Switzerland and Podgorica, Montenegro. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After ROM. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s220.00000°,δ65.00000°,λ-30.00000°. NP2: ϕ_s324.00000°,δ63.00000°,λ-152.00000°. Principal axes: T Plg1.0000°,Azm272.0000° ; N Plg0.0000°,Azm0.0000°; P Plg38.0000°,Azm181.0000° Moment Tensor Solution. s99 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.34 $M_{\theta\theta}$0.92 $M_{\phi\phi}$1.42 $M_{r\theta}$-1.72 $M_{\theta\phi}$-0.81 $M_{\phi r}$-0.60 Best double couple: NP1:ϕ_s113.00000°,δ60.00000°,λ-118.00000°. NP2:ϕ_s340.00000° ,δ40.00000°,λ-51.00000°. Principal axes: T 2.1200,Plg10.0000°,Azm222.0000° ; N 1.1200,Plg23.0000°,Azm128.0000°; P -3.2500,Plg63.0000°,Azm335.0000° $M_0$2.80000×10^{18} Moment Tensor Solution. $M_0$2.30000×10^{18} Moment Tensor Solution. $M_0$3.70000×10^{18}
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=33.0.
PRU Damaging Earthquake In Aquila, 287 Victims.
MOS Error ellipse: s-maj=10.8km s-min=6.9km az=104.1.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=59.0.
IDC Error ellipse: s-maj=9.3km s-min=7.0km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=19.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
NIC Earthquake Central Italy 7 km NW LAquila.
SFS Event type ke.
THE Event type ke. Error ellipse: s-maj=20.5km s-min=1.4km az=284.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 103 sta. Surface waves: sta=124, comp=305, per= 50. Moment Tensor Solution. s112,c270; s99,c179; Moment tensor: Scale 10^{18}Nm; M_{rr}-3.30±.02 $M_{\theta\theta}$1.43±.02; $M_{\phi\phi}$1.87±.02; $M_{r\theta}$-1.43±.04; $M_{\theta\phi}$-1.77±.01; $M_{\phi r}$-0.27±.04; Best double couple: NP1:ϕ_s336.00000°,δ42.00000°,λ-62.00000°. NP2:ϕ_s120.00000°,δ54.00000°,λ-113.00000°. Principal axes: T 3.5200,Plg7.0000° ,Azm226.0000°; N 0.2800,Plg18.0000°,Azm134.0000°; P -3.8000,Plg70.0000° ,Azm335.0000° $M_0$3.70000×10^{18}

ISC	**IV**	**06 01 36 30.4–.67**	**42.37N–.02**	**13.35E–.02**	**7–4**	**4.6b**	**170**	**0-126**
CSEM	IV	06 01 36 29.7–.11	42.35N	13.33E	5	4.8b		¶12934692
IDC	IV	06 01 36 29.5–.66	42.44N	13.13E	0	4.7,4.6		
ROM	IV	06 01 36 29.1–.08	42.35N	13.35E	10–0	4.7L,4.6		
ISCJB	IV	06 01 36 29.2–.26	42.35N–.02	13.32E–.03	11–2	4.6b,4.6		
NEIC	IV	06 01 36 30.5–.40	42.41N	13.22E	5	4.8b,4.6		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=80.0.
IDC Error ellipse: s-maj=14.5km s-min=12.0km az=92.0.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=179.2.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=7.3km az=156.0.

ROM	**IV**	**06 01 38 47.4–.10**	**42.37N**	**13.33E**	**9–1**	**3.6L**		
CSEM	IV	06 01 38 47.4	42.37N	13.33E	9	3.6L		¶14835570

ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=129.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC	**IV**	**06 01 40 51.4–.88**	**42.41N–.02**	**13.41E–.02**	**11–5**		**47**	**0-48**
CSEM	IV	06 01 40 50.6	42.42N	13.40E	11			¶12934690
ROM	IV	06 01 40 50.6–.12	42.42N	13.40E	11–1	4.1L		
ISCJB	IV	06 01 40 51.6–.38	42.40N–.02	13.41E–.03	3–4	4.0b		
IDC	IV	06 01 40 53.2–1.3	42.32N	13.56E	0	4.0,4.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=163.3.
IDC Error ellipse: s-maj=38.9km s-min=14.1km az=97.0.

ROM	**IV**	**06 01 41 32.6–.12**	**42.38N**	**13.32E**	**8–1**	**4.0L**		
CSEM	IV	06 01 41 32.6	42.38N	13.32E	8	4.0L		¶14835573

ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=112.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM	**IV**	**06 01 41 37.7–.13**	**42.36N**	**13.46E**	**9–1**	**4.3L**		
CSEM	IV	06 01 41 37.7	42.36N	13.46E	9	4.3L		¶14835576

ROM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=93.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC	**IV**	**06 01 42 51.0–.72**	**42.32N–.02**	**13.43E–.02**	**10–4**	**4.0b**	**106**	**0-80**

ROM IV 06 01 42 49.9–.10 42.30N 13.43E 10–1 4.2L ¶12579661
ISCJB IV 06 01 42 50.0–.30 42.31N–.02 13.43E–.03 13–2 3.9b
IDC IV 06 01 42 50.6–.80 42.43N 13.40E 0 3.9,3.9b
CSEM IV 06 01 42 50.4–.13 42.30N 13.45E 5 3.4L,3.9b
LDG IV 06 01 42 53.9–.57 42.41N 13.31E 2 3.4L,3.9b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=139.5.
IDC Error ellipse: s-maj=18.3km s-min=11.6km az=100.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=42.0.
LDG Event type ke. Error ellipse: s-maj=11.8km s-min=7.6km az=110.0.
ROM IV 06 01 44 35.2–.19 42.30N 13.37E 8–2 3.7L
CSEM IV 06 01 44 35.2 42.30N 13.37E 8 3.7L ¶14835577
ROM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 02 13 51.3–.13 42.34N 13.46E 11–1 3.1L
CSEM IV 06 02 13 51.3 42.34N 13.46E 11 3.1L ¶16505257
ROM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=63.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 02 14 12.1–.82 42.33N–.02 13.46E–.02 6–5 79 0-48
ROM IV 06 02 14 10.9–.10 42.33N 13.46E 8–1 3.3L ¶16194197
CSEM IV 06 02 14 11.8–.12 42.32N 13.47E 2 2.7L
IDC IV 06 02 14 11.9–1.5 42.41N 13.31E 0 3.2,3.1
ISCJB IV 06 02 14 11.4–.30 42.34N–.02 13.47E–.03 9–2 3.2b,3.1
LDG IV 06 02 14 15.8–1.2 42.43N 13.34E 2 2.7L,3.1
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=56.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=45.0.
IDC Error ellipse: s-maj=24.6km s-min=15.8km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=141.2.
LDG Event type ke. Error ellipse: s-maj=25.2km s-min=14.7km az=131.0.
ROM IV 06 02 19 13.7–.11 42.27N 13.48E 9–1 2.9L
CSEM IV 06 02 19 14.4–.16 42.26N 13.49E 8 2.7L ¶14835616
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=41.0.
ISC IV 06 02 19 21.0–.84 42.31N–.02 13.48E–.02 10–5 68 0-8
ROM IV 06 02 19 20.4–.13 42.30N 13.48E 9–1 2.6L ¶14835618
CSEM IV 06 02 19 21.2–.13 42.30N 13.49E 5 2.5L
LDG IV 06 02 19 22.1–.40 42.31N 13.56E 2 2.5L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=54.0.
LDG Event type ke. Error ellipse: s-maj=12.3km s-min=8.5km az=35.0.
ROM IV 06 02 22 28.4–.10 42.30N 13.45E 10–1 2.6L
CSEM IV 06 02 22 28.4 42.30N 13.45E 10 2.6L ¶14835621
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 02 25 45.5–.72 42.40N–.02 13.34E–.02 10–4 3.7b 153 0-62
ROM IV 06 02 25 45.1–.11 42.40N 13.36E 8–1 3.4L ¶12089205
ISCJB IV 06 02 25 45.1–.23 42.41N–.02 13.34E–.02 10–2 3.6b
IDC IV 06 02 25 45.9–1.1 42.50N 13.44E 0 3.8s,3.8
CSEM IV 06 02 25 45.5–.10 42.40N 13.34E 2 3.2L,3.8
LDG IV 06 02 25 48.1–.17 42.37N 13.28E 2 3.2L,3.8
PRU IV 06 02 25 48.9 42.41N 13.58E 17 3.2L,3.8
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=138.6.
IDC Error ellipse: s-maj=19.2km s-min=12.8km az=89.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=59.0.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=53.0.
ROM IV 06 02 27 15.3–.15 42.39N 13.33E 9–1 2.7L
CSEM IV 06 02 27 15.3 42.39N 13.33E 9 2.7L ¶16505258
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=133.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 02 27 47.4–.70 42.39N–.02 13.30E–.01 8–4 4.0b 604 0-81
STR IV 06 02 27 35.0–2.8 41.87N 14.42E 10 3.8L ¶16194199
ISCJB IV 06 02 27 45.9–.20 42.40N–.01 13.28E–.01 9–1 4.4s,3.9b
LDG IV 06 02 27 46.7–.11 42.36N 13.30E 2 3.8L,3.9b
IDC IV 06 02 27 46.6–.74 42.47N 13.30E 0 4.5,4.5s
NEIC IV 06 02 27 46.0 42.37N 13.34E 10 4.2b,4.0L
MOS IV 06 02 27 46.2–.99 42.48N 13.29E 10 4.2b,4.0L
ROM IV 06 02 27 46.3–.10 42.37N 13.32E 8–1 3.9L,4.0L
PDG IV 06 02 27 47.8–1.6 42.41N 13.29E 8–1 3.9L,4.0L
PRU IV 06 02 27 47.4 42.44N 13.43E 0 4.2,4.0L
CSEM IV 06 02 27 47.0–.08 42.38N 13.27E 5 4.2L,4.1b
ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=18.1.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=38.0.
IDC Error ellipse: s-maj=12.6km s-min=10.4km az=122.0.
NEIC Event type fe. Felt [III] at Rome. Also felt at Foligno. After ROM.
MOS Error ellipse: s-maj=5.3km s-min=4.2km az=74.3.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=34.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=20.0.
ISC IV 06 02 30 41.4–.79 42.39N–.02 13.33E–.02 9–5 82 0-31
IDC IV 06 02 30 40.8–1.7 42.41N 13.73E 0 3.4,3.4L ¶16505259
ROM IV 06 02 30 40.9–.11 42.38N 13.34E 9–1 3.0L,3.4L
ISCJB IV 06 02 30 40.8–.30 42.38N–.02 13.33E–.03 13–3 3.0b,3.4L
CSEM IV 06 02 30 41.0–.11 42.38N 13.31E 10 3.0b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=45.3km s-min=14.7km az=104.0.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=13.4.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=108.0.
ISC IV 06 02 31 33.3–.77 42.38N–.02 13.32E–.02 8–5 3.6b 112 0-62
IDC IV 06 02 31 33.0–1.2 42.45N 13.07E 0 3.7,3.6 ¶16152433
ROM IV 06 02 31 32.7–.13 42.36N 13.35E 9–1 3.4L,3.6
ISCJB IV 06 02 31 32.5–.27 42.38N–.02 13.32E–.03 14–2 3.6b,3.6
CSEM IV 06 02 31 33.1–.12 42.37N 13.35E 8 3.3L,3.6
LDG IV 06 02 31 36.1–.18 42.37N 13.18E 2 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=15.0km az=97.0.
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=29.6.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=22.0.
LDG Event type ke. Error ellipse: s-maj=6.5km s-min=3.7km az=34.0.
ISC IV 06 02 37 06.0–.35 42.39N–.01 13.31E–.01 15–1 4.9s,4.6b 1649 0-128
STR IV 06 02 36 55.2–3.6 41.96N 14.27E 10 4.6L,4.6b ¶13438019
BJI IV 06 02 36 59.8 42.51N 12.61E 6 5.7b,5.1s
TIR IV 06 02 37 02.7 41.87N 13.95E 0 5.7b,5.1s
ISCJB IV 06 02 37 03.4–.22 42.45N–.01 13.33E–.01 3–1 5.0s,4.5b
MOS IV 06 02 37 03.9–1.0 42.46N 13.32E 10 4.7b,4.4s
THE IV 06 02 37 03.2 42.60N 13.31E 0–24 5.0L,4.4s
LDG IV 06 02 37 04.2–.10 42.42N 13.33E 2 4.6L,4.4s
ROM IV 06 02 37 04.2–.09 42.36N 13.33E 9–1 4.6L,4.4s
NEIC IV 06 02 37 04.0 42.37N 13.34E 10 5.1W,4.9b
IDC IV 06 02 37 04.2–.43 42.47N 13.21E 0 4.4,4.4
CSEM IV 06 02 37 04.5–.05 42.40N 13.30E 2 5.0L,4.9W
BEO IV 06 02 37 05.3–.72 42.47N 13.31E 1–15 4.8L,4.9W
PRU IV 06 02 37 05.1 42.42N 13.52E 0 4.9,4.9W
PDG IV 06 02 37 05.2–1.1 42.43N 13.32E 9–1 4.6L,4.9W
TEH IV 06 02 37 06.0 42.51N 13.40E 10 4.8L,4.9W
GEN IV 06 02 37 07.2 42.37N 13.34E 10 4.6L,4.9W
ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.2km az=21.4.
MOS Error ellipse: s-maj=3.5km s-min=2.5km az=99.5.
THE Event type ke. Error ellipse: s-maj=38.5km s-min=3.0km az=284.0.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=40.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=42.0.
NEIC Event type fe. Felt [VI] at L'Aquila; [V] at Rieti and Teramo; [IV] at Ascoli Piceno, Avezzano, Chieti, Pescara, Roseto degli Abruzzi, Sulmona and Tivoli; [III] at Ancona, Foligno, Rome and Terni. Felt throughout central Italy and as far as Cesena and Naples. After ROM. Moment Tensor Solution. $M_0$2.70000×10^{16} Moment Tensor Solution. $M_0$5.50000×10^{16}
IDC Error ellipse: s-maj=9.9km s-min=8.0km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=23.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.
ISC IV 06 02 44 32.7–.82 42.34N–.02 13.36E–.02 7–4 109 0-48
ROM IV 06 02 44 31.9–.09 42.34N 13.37E 8–1 3.3L ¶12089209
ISCJB IV 06 02 44 31.8–.27 42.34N–.02 13.36E–.03 13–2 3.0b
CSEM IV 06 02 44 32.4–.11 42.33N 13.37E 2 3.0L
IDC IV 06 02 44 34.8–1.1 42.57N 13.48E 0 3.5,3.3
LDG IV 06 02 44 34.1–.32 42.21N 13.33E 2 3.0L,3.3
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=26.1.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=37.0.
IDC Error ellipse: s-maj=20.0km s-min=13.3km az=97.0.
LDG Event type ke. Error ellipse: s-maj=10.7km s-min=7.4km az=55.0.
ISC IV 06 02 47 28.1–.76 42.37N–.02 13.34E–.02 10–4 95 0-48
ROM IV 06 02 47 27.5–.11 42.37N 13.36E 9–1 2.9L ¶12934685
ISCJB IV 06 02 47 27.5–.28 42.37N–.02 13.34E–.03 13–2 3.1b
CSEM IV 06 02 47 28.1–.10 42.37N 13.35E 5 3.1L
IDC IV 06 02 47 29.3–1.9 42.50N 13.49E 0 3.2,3.1
LDG IV 06 02 47 30.0–1.4 42.42N 13.29E 2 3.1L,3.1
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=53.0.
IDC Error ellipse: s-maj=25.3km s-min=17.6km az=66.0.
LDG Event type ke. Error ellipse: s-maj=31.8km s-min=13.5km az=103.0.
ISC IV 06 02 48 13.9–.84 42.40N–.02 13.33E–.02 7–5 49 0-48
IDC IV 06 02 48 13.8–1.3 42.43N 13.72E 0 3.2,3.2 ¶12579664
ROM IV 06 02 48 13.0–.14 42.39N 13.32E 9–1 3.0L,3.2
CSEM IV 06 02 48 13.0 42.39N 13.32E 9 3.0L,3.2
ISCJB IV 06 02 48 13.2–.41 42.39N–.02 13.33E–.04 13–3 3.3b,3.2
ISC Event type ke.
ROM Event type ke.
CSEM Event type ke. After ROM.
ISCJB Event type ke.
ISC IV 06 02 55 34.7–.74 42.39N–.02 13.30E–.02 11–4 3.4b 244 0-62
ISCJB IV 06 02 55 33.8–.21 42.38N–.02 13.33E–.02 11–1 3.4b ¶12089894
CSEM IV 06 02 55 34.3–.08 42.38N 13.31E 2 3.2L
ROM IV 06 02 55 34.0–.09 42.37N 13.32E 9–1 3.4L
IDC IV 06 02 55 34.5–1.3 42.51N 13.14E 0 3.5,3.4
PRU IV 06 02 55 34.9 42.37N 13.54E 0 3.5,3.4
BEO IV 06 02 55 35.8–1.1 42.47N 13.21E 15–42 3.7L,3.4
LDG IV 06 02 55 35.4–.32 42.46N 13.44E 2 3.2L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=14.6.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=25.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=102.0.
IDC Error ellipse: s-maj=20.2km s-min=14.9km az=87.0.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=8.5km s-min=6.0km az=11.0.
ISC IV 06 03 12 59.5–.90 42.28N–.02 13.42E–.02 5–7 45 0-48
CSEM IV 06 03 12 58.6 42.28N 13.40E 8 ¶12934684
IDC IV 06 03 12 59.0–1.5 42.23N 13.35E 0 3.1,3.1b
ROM IV 06 03 12 58.6–.09 42.28N 13.40E 8–1 3.0L,3.1b
ISCJB IV 06 03 12 59.0–.45 42.28N–.03 13.40E–.05 11–3 3.0b,3.1b
ISC Event type ke.
CSEM Event type ke. After ROM.
ROM Event type ke.
ISCJB Event type ke.
ROM IV 06 03 16 04.2–.09 42.32N 13.38E 9–1 2.9L
CSEM IV 06 03 16 04.2 42.32N 13.38E 9 2.9L ¶16505260
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 03 17 05.1–.80 42.37N–.02 13.35E–.02 8–5 113 0-48
IDC IV 06 03 17 04.9–1.4 42.41N 13.21E 0 3.3,3.2 ¶12089895
ROM IV 06 03 17 04.4–.09 42.36N 13.36E 9–1 3.2L,3.2
ISCJB IV 06 03 17 04.3–.26 42.37N–.02 13.35E–.03 13–2 3.3b,3.2
CSEM IV 06 03 17 04.8–.09 42.37N 13.35E 2 3.2L,3.2
LDG IV 06 03 17 07.2–.52 42.41N 13.34E 2 3.2L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=16.1km az=92.0.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=174.1.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=65.0.
LDG Event type ke. Error ellipse: s-maj=11.6km s-min=6.4km az=104.0.
ISC IV 06 03 17 30.7–.84 42.37N–.02 13.32E–.03 7–5 3.5b 53 0-62
CSEM IV 06 03 17 29.9 42.37N 13.33E 9 3.5b ¶16505261
ROM IV 06 03 17 29.9–.14 42.37N 13.33E 9–1 3.5L
IDC IV 06 03 17 30.0–1.5 42.46N 13.07E 0 3.6,3.4
ISCJB IV 06 03 17 30.0–.41 42.37N–.02 13.32E–.04 13–3 3.5b,3.4
ISC Event type ke.
CSEM Event type ke. After ROM.
ROM Event type ke.
ISCJB Event type ke.
ISC IV 06 03 18 44.0–.75 42.37N–.02 13.34E–.02 10–4 3.4b 102 0-48
ROM IV 06 03 18 43.4–.12 42.37N 13.34E 9–1 3.4L ¶12579667
ISCJB IV 06 03 18 43.1–.27 42.38N–.02 13.33E–.03 14–2 3.3b
CSEM IV 06 03 18 43.7–.10 42.37N 13.35E 10 3.1L
IDC IV 06 03 18 44.9–1.4 42.35N 13.38E 0 3.4,3.3
LDG IV 06 03 18 45.8–.67 42.43N 13.31E 2 3.1L,3.3
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=162.5.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=54.0.
IDC Error ellipse: s-maj=30.3km s-min=19.5km az=134.0.
LDG Event type ke. Error ellipse: s-maj=14.1km s-min=9.0km az=110.0.
ROM IV 06 03 22 10.0–.09 42.32N 13.39E 9–1 2.7L
CSEM IV 06 03 22 10.0 42.32N 13.39E 9 2.7L ¶16194224
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=65.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 03 23 10.1–.11 42.35N 13.31E 10–1 3.2L
CSEM IV 06 03 23 10.1 42.35N 13.31E 10 3.2L ¶16552551
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=64.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 03 25 59.2–.80 42.38N–.02 13.36E–.03 9–4 81 0-48
CSEM IV 06 03 25 58.9–.15 42.38N 13.32E 5 ¶14835667
IDC IV 06 03 25 58.4–1.4 42.42N 13.76E 0 3.1,3.1
ROM IV 06 03 25 58.5–.13 42.38N 13.34E 9–1 2.8L,3.1
ISCJB IV 06 03 25 58.6–.32 42.38N–.02 13.32E–.04 9–3 3.1b,3.1
PRU IV 06 03 26 00.1 42.38N 13.48E 0 3.1b,3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=93.0.
IDC Error ellipse: s-maj=35.0km s-min=15.1km az=94.0.
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=178.3.
ISC IV 06 03 31 00.9–.76 42.36N–.02 13.34E–.02 11–4 106 0-48
ISCJB IV 06 03 30 59.8–.27 42.36N–.02 13.34E–.03 15–3 3.3b ¶12089897
ROM IV 06 03 31 00.3–.10 42.35N 13.37E 10–1 2.9,2.9L
CSEM IV 06 03 31 00.3–.10 42.36N 13.35E 10 3.0L,2.9L
IDC IV 06 03 31 01.4–1.3 42.42N 13.49E 0 3.2b,3.1
LDG IV 06 03 31 02.4–.22 42.30N 13.26E 2 2.7L,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=160.6.
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=63.0.

IDC Error ellipse: s-maj=34.7km s-min=14.3km az=95.0.
LDG Event type ke. Error ellipse: s-maj=7.7km s-min=5.2km az=48.0.
ROM IV 06 03 31 44.3–.09 42.36N 13.45E 8–1 2.7L
CSEM IV 06 03 31 44.3 42.36N 13.45E 8 2.7L **¶16505264**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=81.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 03 32 30.2–.16 42.37N 13.36E 8–1 2.8L
CSEM IV 06 03 32 30.2 42.37N 13.36E 8 2.8L **¶16505262**
ROM Event type ke. Error ellipse: s-maj=3.2km s-min=1.6km az=75.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 03 42 09.7–.09 42.35N 13.38E 9–0 2.5L
CSEM IV 06 03 42 09.7 42.35N 13.38E 9 2.5L **¶14835671**
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 03 43 17.1–.74 42.34N–.01 13.35E–.02 10–4 167 0-48
ROM IV 06 03 43 16.6–.10 42.33N 13.36E 9–1 3.1L **¶12089210**
ISCJB IV 06 03 43 16.6–.22 42.34N–.01 13.35E–.02 10–2 3.6s,3.2b
IDC IV 06 03 43 16.9–1.3 42.43N 13.53E 0 3.5s,3.4
CSEM IV 06 03 43 16.9–.08 42.34N 13.34E 5 3.9L,3.4
LDG IV 06 03 43 18.6–.17 42.28N 13.26E 2 2.9L,3.4
PRU IV 06 03 43 18.4 42.33N 13.48E 0 2.9L,3.4
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=179.8.
IDC Error ellipse: s-maj=35.5km s-min=14.1km az=95.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=73.0.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=48.0.
ISC IV 06 03 46 49.6–.80 42.36N–.02 13.35E–.02 11–4 101 0-3
CSEM IV 06 03 46 49.4–.10 42.35N 13.33E 5 3.6L **¶14835673**
ROM IV 06 03 46 49.2–.11 42.35N 13.34E 10–1 2.7L
ISCJB IV 06 03 46 49.0–.30 42.35N–.02 13.33E–.03 10–3 2.7L
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.
ROM IV 06 03 55 46.8–.12 42.21N 13.50E 8–1 2.8L
CSEM IV 06 03 55 46.8 42.21N 13.50E 8 2.8L **¶16505263**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 03 56 47.8–.38 42.35N–.02 13.37E–.01 13–2 4.4b,3.9s 988 0-84
STR IV 06 03 56 32.4–2.7 41.69N 14.63E 10 4.2L,3.9s **¶16194205**
BJI IV 06 03 56 40.5 42.22N 12.40E 6 5.1b,4.8s
TIR IV 06 03 56 43.5 42.20N 13.90E 0 5.1b,4.8s
ISCJB IV 06 03 56 45.6–.20 42.38N–.01 13.36E–.01 10–1 4.4b,4.1s
NEIC IV 06 03 56 45.0 42.34N 13.39E 10 4.6W,4.4b
IDC IV 06 03 56 45.8–.53 42.44N 13.27E 0 4.2,4.1
LDG IV 06 03 56 45.3–.17 42.38N 13.46E 2 4.2L,4.1
ROM IV 06 03 56 45.7–.09 42.34N 13.39E 9–1 4.1L,4.1
MOS IV 06 03 56 46.0–.90 42.41N 13.35E 15 4.4b,4.1
CSEM IV 06 03 56 46.2–.06 42.37N 13.36E 2 4.6W,4.4L
PDG IV 06 03 56 46.3–.75 42.39N 13.37E 9–1 4.0L,4.4L
PRU IV 06 03 56 46.8 42.39N 13.50E 0 4.4,4.4L
BEO IV 06 03 56 47.8–.68 42.37N 13.25E 23–17 4.3L,4.4L
ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=23.1.
NEIC Event type fe. Felt [III] at Rome and Sulmona. Also felt at Bettona, Lanciano, Montesilvano, Naples, Ortona, Perugia, Quarto, Rieti and Terni. After ROM. Moment Tensor Solution. $M_0 9.50000 \times 10^{15}$
IDC Error ellipse: s-maj=10.9km s-min=9.1km az=111.0.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=167.0.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=56.0.
MOS Error ellipse: s-maj=3.7km s-min=2.8km az=101.1.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=15.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=90.0.
BEO Event type ke.
ISC IV 06 04 02 28.1–.80 42.33N–.02 13.39E–.02 10–4 92 0-3
CSEM IV 06 04 02 27.7–.10 42.33N 13.38E 8 3.5L **¶12089213**
ROM IV 06 04 02 27.3–.10 42.32N 13.39E 10–1 2.7L
ISCJB IV 06 04 02 27.3–.30 42.32N–.02 13.38E–.03 12–3 2.7L
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.
ISC IV 06 04 16 40.5–.78 42.38N–.02 13.28E–.02 10–5 133 0-7
ISCJB IV 06 04 16 40.0–.24 42.38N–.02 13.29E–.03 12–2 **¶12089899**
CSEM IV 06 04 16 40.5–.09 42.39N 13.29E 5 3.6L
ROM IV 06 04 16 40.2–.12 42.38N 13.32E 9–1 3.1L
PRU IV 06 04 16 41.9 42.39N 13.49E 0 3.1L
LDG IV 06 04 16 42.4–.19 42.34N 13.21E 2 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=152.1.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=47.0.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=82.0.
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=4.3km az=44.0.
ISC IV 06 04 17 07.0–.80 42.34N–.02 13.43E–.02 11–4 73 0-8
ROM IV 06 04 17 06.5–.09 42.33N 13.43E 10–1 3.2L **¶16505265**
ISCJB IV 06 04 17 06.6–.37 42.35N–.03 13.44E–.04 15–3 3.2L
CSEM IV 06 04 17 07.3–.12 42.33N 13.45E 5 3.0L
LDG IV 06 04 17 10.9–.68 42.43N 13.33E 2 3.0L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=145.6.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=48.0.
LDG Event type ke. Error ellipse: s-maj=13.9km s-min=9.6km az=116.0.
ROM IV 06 04 47 36.6–.18 42.36N 13.35E 11 2.4L
CSEM IV 06 04 47 36.6 42.36N 13.35E 11 2.4L **¶16505266**
ROM Event type ke. Error ellipse: s-maj=3.6km s-min=0.5km az=135.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 04 47 54.4–.72 42.37N–.01 13.33E–.01 8–4 3.7b 421 0-67
STR IV 06 04 47 48.9–3.5 42.18N 13.81E 10 3.6L **¶16194207**
LDG IV 06 04 47 53.7–.12 42.34N 13.35E 2 3.6L
BEO IV 06 04 47 53.5–.86 42.30N 13.26E 0 3.9L
ISCJB IV 06 04 47 53.4–.20 42.37N–.01 13.32E–.02 9–1 3.6b
NEIC IV 06 04 47 53.0 42.35N 13.35E 9 4.0L,3.7L
CSEM IV 06 04 47 53.9–.09 42.36N 13.31E 2 3.9L,3.7L
ROM IV 06 04 47 53.6–.09 42.36N 13.36E 9–1 3.6L,3.7L
IDC IV 06 04 47 54.2–.97 42.49N 13.19E 0 3.7,3.6
PDG IV 06 04 47 54.5–1.3 42.35N 13.32E 6–1 3.8L,3.6
PRU IV 06 04 47 54.8 42.36N 13.52E 0 3.8L,3.6
ISC Event type fe.
STR Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=43.0.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=18.9.
NEIC Event type fe. Felt [II] at Albano Laziale, Cassino, Foligno, Rome and Sulmona. After ROM.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=25.0.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=81.0.
IDC Error ellipse: s-maj=17.0km s-min=13.0km az=96.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.5km az=0.0.
ISC IV 06 05 11 48.1–.83 42.31N–.02 13.37E–.02 12–4 64 0-3
CSEM IV 06 05 11 47.9–.11 42.32N 13.35E 10 3.5L **¶14835741**
ROM IV 06 05 11 47.7–.10 42.32N 13.36E 10–1 2.5L
ISCJB IV 06 05 11 47.6–.41 42.33N–.02 13.35E–.04 14–3 2.5L
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.
ISC IV 06 05 14 08.9–.78 42.37N–.02 13.34E–.02 12–5 88 0-3
ROM IV 06 05 14 08.9–.09 42.37N 13.35E 9–1 2.8L **¶14835742**
ISCJB IV 06 05 14 08.8–.35 42.38N–.02 13.32E–.03 12–3 2.8L
CSEM IV 06 05 14 09.1–.10 42.38N 13.32E 8 3.7L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=152.7.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=64.0.
ROM IV 06 05 15 22.0–.08 42.36N 13.37E 10–0 2.7L
CSEM IV 06 05 15 22.0 42.36N 13.37E 10 2.7L **¶16505267**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=80.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 05 15 29.9–.76 42.48N–.02 13.37E–.02 10–4 150 0-31
ISCJB IV 06 05 15 28.9–.25 42.48N–.02 13.37E–.02 11–2 3.2b **¶16194209**
CSEM IV 06 05 15 29.3–.10 42.47N 13.36E 5 3.4L
ROM IV 06 05 15 29.0–.11 42.47N 13.40E 10–1 3.2L
PDG IV 06 05 15 29.2–.20 42.50N 13.42E 7–0 3.5L
IDC IV 06 05 15 30.0–2.1 42.55N 13.56E 0 3.3,3.3
LDG IV 06 05 15 31.4–.32 42.43N 13.24E 2 3.0L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=33.4.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=36.0.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=70.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=1.0km az=0.0.
IDC Error ellipse: s-maj=61.9km s-min=15.1km az=97.0.
LDG Event type ke. Error ellipse: s-maj=12.5km s-min=7.3km az=49.0.
ISC IV 06 05 41 32.9–.81 42.36N–.02 13.34E–.02 11–4 74 0-3
CSEM IV 06 05 41 32.8–.09 42.36N 13.33E 10 3.6L **¶14835777**
ROM IV 06 05 41 32.5–.10 42.35N 13.36E 10–1 2.8L
ISCJB IV 06 05 41 32.3–.39 42.35N–.02 13.35E–.04 15–3 2.8L
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.
ISC IV 06 05 50 37.6–.95 42.31N–.02 13.48E–.02 7–5 73 0-7
ROM IV 06 05 50 36.6–.08 42.30N 13.48E 9–0 3.2L **¶14835781**
ISCJB IV 06 05 50 36.6–.36 42.30N–.02 13.46E–.04 12–3 3.2L
CSEM IV 06 05 50 37.1–.09 42.30N 13.47E 5 3.7L
PRU IV 06 05 50 38.8 42.28N 13.46E 0 3.7L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=161.9.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=68.0.
ROM IV 06 06 17 24.4–.08 42.29N 13.42E 10–1 2.3L
CSEM IV 06 06 17 24.4 42.29N 13.42E 10 2.3L **¶14835809**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=7.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 06 17 30.6–.10 42.33N 13.40E 10–1 2.5L
CSEM IV 06 06 17 30.6 42.33N 13.40E 10 2.5L **¶14835812**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 06 21 06.7–.72 42.33N–.02 13.38E–.02 11–4 3.5b 157 0-68
CSEM IV 06 06 21 06.6–.10 42.32N 13.38E 2 3.1L **¶14835814**
ISCJB IV 06 06 21 06.3–.23 42.33N–.02 13.39E–.02 9–2 3.4b
ROM IV 06 06 21 06.3–.10 42.32N 13.39E 9–1 3.3L
IDC IV 06 06 21 07.2–1.2 42.49N 13.23E 0 3.6,3.4
LDG IV 06 06 21 08.9–.19 42.31N 13.30E 2 3.1L,3.4
PRU IV 06 06 21 08.6 42.38N 13.45E 0 3.1L,3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=143.3.
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=51.0.
IDC Error ellipse: s-maj=22.1km s-min=14.4km az=98.0.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=46.0.
ISC IV 06 06 28 57.6–.83 42.38N–.02 13.36E–.02 8–5 74 0-2
CSEM IV 06 06 28 57.6–.09 42.38N 13.34E 5 3.5L **¶14835824**
ROM IV 06 06 28 57.1–.10 42.37N 13.37E 8–1 2.9,2.8L
ISCJB IV 06 06 28 57.4–.37 42.38N–.02 13.34E–.04 8–4 2.9,2.8L
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.
ISC IV 06 06 48 16.5–1.1 42.30N–.02 13.37E–.02 2–7 3.4b 97 0-62
CSEM IV 06 06 48 15.9–.10 42.29N 13.37E 2 3.4b **¶14835836**
ROM IV 06 06 48 15.3–.09 42.30N 13.38E 7–1 3.2L
ISCJB IV 06 06 48 15.7–.28 42.30N–.02 13.38E–.03 6–3 3.4b
IDC IV 06 06 48 17.3–1.3 42.41N 13.36E 0 3.3,3.3b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=62.0.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=152.9.
IDC Error ellipse: s-maj=23.4km s-min=15.1km az=92.0.
ROM IV 06 07 01 59.6–.10 42.36N 13.35E 10–1 2.2L
CSEM IV 06 07 01 59.6 42.36N 13.35E 10 2.2L **¶14835854**
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.3km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 07 08 07.8–.08 42.33N 13.36E 10–0 2.8L
CSEM IV 06 07 08 07.8 42.33N 13.36E 10 2.8L **¶14835865**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=116.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 07 08 44.7–.11 42.22N 13.51E 10–1 2.7L
CSEM IV 06 07 08 44.7 42.22N 13.51E 10 2.7L **¶14835868**
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=88.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 07 16 37.2–.11 42.32N 13.49E 7–1 2.8L
CSEM IV 06 07 16 37.2 42.32N 13.49E 7 2.8L **¶16505268**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 07 17 11.9–.46 42.38N–.02 13.37E–.02 9–2 4.3b,3.6s 663 0-126
STR IV 06 07 16 59.0–4.7 41.86N 14.58E 10 3.8L,3.6s **¶16194229**
MOS IV 06 07 17 10.8–.93 42.44N 13.36E 10 4.4b,3.6s
PDG IV 06 07 17 10.9–.41 42.43N 13.38E 9–1 4.2L,3.6s
CSEM IV 06 07 17 10.7–.07 42.36N 13.34E 2 4.4b,4.3W
ROM IV 06 07 17 10.1–.08 42.36N 13.38E 9–0 4.0L,4.3W
NEIC IV 06 07 17 10.0 42.36N 13.37E 9 4.4L,4.3b
ISCJB IV 06 07 17 10.2–.21 42.38N–.01 13.36E–.01 7–1 4.2b,3.7s
PRU IV 06 07 17 11.8 42.42N 13.46E 0 4.3,3.7s
LDG IV 06 07 17 11.7–.16 42.51N 13.49E 2 3.8L,3.7s
IDC IV 06 07 17 11.0–.65 42.52N 13.25E 0 4.1,4.0
ISC Event type fe.
STR Event type ke.
MOS Error ellipse: s-maj=5.0km s-min=3.5km az=83.8.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=37.0.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=63.0.
NEIC Event type fe. Felt [III] at Ascoli Piceno and [II] at Cassino, Ciampino, Foligno, Grottaferrata, Pomezia, Rome and Sulmona. Also felt at Albano Laziale, Ancona, Aprilia, Atina, Avezzano, Castel Gandolfo, Chieti, Rieti, Rocca di Papa, Spoleto and Terni. After ROM. Moment Tensor Solution. $M_0 3.00000 \times 10^{15}$
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=33.1.
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=2.4km az=19.0.
IDC Error ellipse: s-maj=12.8km s-min=9.6km az=103.0.
ISC IV 06 07 24 22.6–.81 42.33N–.02 13.39E–.02 13–4 88 0-2
CSEM IV 06 07 24 22.6–.10 42.33N 13.39E 10 3.6L **¶14835883**
ROM IV 06 07 24 22.5–.08 42.32N 13.39E 10–0 3.0L
ISCJB IV 06 07 24 22.2–.39 42.33N–.02 13.38E–.03 14–4 3.0L
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.
ISC IV 06 07 28 45.5–.75 42.34N–.02 13.37E–.02 17–4 128 0-8
CSEM IV 06 07 28 45.6–.12 42.34N 13.39E 8 3.8L **¶12576603**
ROM IV 06 07 28 45.4–.08 42.34N 13.40E 12–2 3.1L
ISCJB IV 06 07 28 45.1–.26 42.35N–.02 13.39E–.03 14–2 3.1L

LDG IV 06 07 28 47.2–.20 42.31N 13.37E 2 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=63.0.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=152.1.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=50.0.
ISC IV 06 07 39 42.3–.74 42.33N–.02 13.37E–.02 9–4 3.4b 162 0-68
CSEM IV 06 07 39 41.7–.10 42.33N 13.37E 5 4.1L **¶12576604**
ROM IV 06 07 39 41.3–.09 42.32N 13.38E 9–1 3.3L
ISCJB IV 06 07 39 41.4–.23 42.34N–.02 13.37E–.02 10–2 3.4b
IDC IV 06 07 39 42.1–1.2 42.50N 13.24E 0 3.6,3.5
LDG IV 06 07 39 43.5–.18 42.32N 13.33E 2 3.2L,3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=54.0.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=149.4.
IDC Error ellipse: s-maj=21.6km s-min=14.7km az=97.0.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=4.1km az=49.0.
ISC IV 06 08 40 14.9–.75 42.37N–.02 13.36E–.02 9–4 3.1b 138 0-67
CSEM IV 06 08 40 14.5–.10 42.37N 13.35E 5 4.0L **¶14835964**
ROM IV 06 08 40 14.0–.09 42.36N 13.36E 9–1 3.3L
ISCJB IV 06 08 40 14.2–.24 42.38N–.02 13.35E–.02 9–2 3.1b
IDC IV 06 08 40 15.1–1.1 42.49N 13.25E 0 3.4,3.3
LDG IV 06 08 40 16.3–.18 42.32N 13.31E 2 3.1L,3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=56.0.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=168.8.
IDC Error ellipse: s-maj=20.4km s-min=13.9km az=96.0.
LDG Event type ke. Error ellipse: s-maj=6.0km s-min=3.9km az=46.0.
ISC IV 06 08 53 16.7–.63 42.24N–.02 13.48E–.02 9–4 3.5b 92 0-69
IDC IV 06 08 53 16.8–1.0 42.26N 13.69E 0 3.7,3.5 **¶14835988**
ROM IV 06 08 53 16.2–.08 42.22N 13.50E 9–0 2.7L,3.5
ISCJB IV 06 08 53 16.2–.27 42.23N–.02 13.49E–.03 13–2 3.5b,3.5
CSEM IV 06 08 53 16.7–.12 42.23N 13.51E 8 2.9L,3.5
LDG IV 06 08 53 19.7–.18 42.21N 13.38E 2 3.2L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=17.0km az=102.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=151.1.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=56.0.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=48.0.
ISC IV 06 08 54 07.5–.84 42.32N–.02 13.39E–.02 8–5 61 0-68
CSEM IV 06 08 54 06.5 42.32N 13.39E 10 **¶14835992**
ROM IV 06 08 54 06.5–.08 42.32N 13.39E 10–1 2.5L
ISCJB IV 06 08 54 06.6–.38 42.32N–.02 13.39E–.03 12–3 3.1b
IDC IV 06 08 54 07.7–1.2 42.49N 13.05E 0 3.6,3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.2km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=165.2.
IDC Error ellipse: s-maj=31.3km s-min=18.3km az=137.0.
ISC IV 06 09 30 11.4–.89 42.38N–.02 13.38E–.02 19–2 111 0-8
ROM IV 06 09 30 12.5–.09 42.36N 13.33E 9–1 3.1L **¶12579671**
CSEM IV 06 09 30 12.8–.10 42.37N 13.33E 5 3.7L
ISCJB IV 06 09 30 12.3–.26 42.37N–.02 13.31E–.03 14–2 3.7L
LDG IV 06 09 30 14.5–.18 42.38N 13.30E 2 2.9L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=160.3.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=4.1km az=56.0.
ISC IV 06 09 47 06.8–.82 42.42N–.02 13.37E–.02 6–5 80 0-48
IDC IV 06 09 47 06.5–1.4 42.51N 13.60E 0 3.3,3.2 **¶14836036**
ROM IV 06 09 47 06.2–.12 42.41N 13.38E 8–1 3.1L,3.2
CSEM IV 06 09 47 06.5–.12 42.41N 13.36E 5 3.1L,3.2
ISCJB IV 06 09 47 06.3–.32 42.41N–.02 13.37E–.04 9–3 3.2b,3.2
ISC Event type ke.
ROM Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 06 09 51 03.1–.81 42.40N–.02 13.30E–.02 11–5 87 0-3
ROM IV 06 09 51 02.7–.10 42.39N 13.33E 10–1 2.9L **¶14836042**
ISCJB IV 06 09 51 02.5–.35 42.40N–.02 13.30E–.03 11–4 2.9L
CSEM IV 06 09 51 03.0–.10 42.40N 13.31E 2 3.8L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=171.8.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=76.0.
ROM IV 06 09 57 17.0–.13 42.35N 13.38E 10–1 2.5L
CSEM IV 06 09 57 17.0 42.35N 13.38E 10 2.5L **¶14836047**
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 09 59 29.6–.79 42.33N–.02 13.39E–.02 11–4 94 0-7
ISCJB IV 06 09 59 29.0–.33 42.32N–.02 13.36E–.03 11–3 **¶13903783**
CSEM IV 06 09 59 29.5–.14 42.32N 13.36E 0–2 3.8L
ROM IV 06 09 59 29.1–.08 42.32N 13.39E 11–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=169.7.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=79.0.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=72.0.
ISC IV 06 10 04 46.7–.78 42.37N–.02 13.31E–.02 10–4 133 0-48
ROM IV 06 10 04 46.2–.09 42.36N 13.35E 9–1 3.2L **¶14836057**
CSEM IV 06 10 04 46.5–.12 42.36N 13.33E 5 3.1L
ISCJB IV 06 10 04 46.2–.27 42.36N–.02 13.34E–.03 12–2 3.4b
IDC IV 06 10 04 47.7–1.9 42.53N 13.37E 0 3.5,3.3
LDG IV 06 10 04 49.8–.27 42.34N 13.08E 2 3.1L,3.3
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=145.7.
IDC Error ellipse: s-maj=25.2km s-min=17.8km az=68.0.
LDG Event type ke. Error ellipse: s-maj=11.2km s-min=5.0km az=35.0.
ISC IV 06 10 12 36.7–.69 42.33N–.01 13.38E–.02 9–4 3.7b 252 0-72
STR IV 06 10 12 23.7–.00 41.79N 14.58E 10 3.4L **¶12576608**
LDG IV 06 10 12 35.9–.16 42.32N 13.36E 2 3.4L
ROM IV 06 10 12 35.7–.07 42.32N 13.38E 10–0 3.6L
ISCJB IV 06 10 12 35.8–.21 42.33N–.01 13.35E–.02 10–1 3.6b
IDC IV 06 10 12 35.7–1.0 42.44N 13.20E 0 3.8,3.7
CSEM IV 06 10 12 36.1–.08 42.33N 13.35E 2 3.4L,3.7
PDG IV 06 10 12 36.6–.34 42.37N 13.36E 11–0 3.7L,3.7
ISC Event type ke.
STR Event type ke.
LDG Event type ke. Error ellipse: s-maj=6.6km s-min=3.6km az=46.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=27.5.
IDC Error ellipse: s-maj=18.8km s-min=14.5km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=36.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.7km az=0.0.
ISC IV 06 10 36 19.1–.77 42.34N–.02 13.38E–.02 8–4 128 0-48
CSEM IV 06 10 36 18.6–.10 42.33N 13.40E 2 4.2L **¶12576609**
ROM IV 06 10 36 18.1–.07 42.34N 13.40E 10–0 3.5L
ISCJB IV 06 10 36 18.1–.26 42.34N–.02 13.38E–.03 8–2 3.2b
IDC IV 06 10 36 19.2–1.4 42.37N 13.34E 0 3.6,3.4
LDG IV 06 10 36 20.6–.19 42.29N 13.35E 2 3.0L,3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=63.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=162.6.
IDC Error ellipse: s-maj=22.6km s-min=15.7km az=86.0.
LDG Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=44.0.

ROM IV 06 10 57 06.2–.05 42.26N 13.49E 10–0 2.3L
CSEM IV 06 10 57 06.2 42.26N 13.49E 10 2.3L **¶14836110**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 10 57 21.8–.08 42.32N 13.39E 10–0 2.6L
CSEM IV 06 10 57 21.8 42.32N 13.39E 10 2.6L **¶14836113**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 10 59 35.1–.10 42.31N 13.40E 10–1 2.8L
CSEM IV 06 10 59 35.1 42.31N 13.40E 10 2.8L **¶14836117**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 11 00 04.0–.07 42.31N 13.39E 11–0 2.7L
CSEM IV 06 11 00 04.0 42.31N 13.39E 11 2.7L **¶14836120**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=63.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 11 23 14.7–.09 42.40N 13.33E 11–0 1.9L
CSEM IV 06 11 23 14.7 42.40N 13.33E 11 1.9L **¶14836151**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 12 33 05.2–.24 42.35N 13.34E 9–2 1.9L
CSEM IV 06 12 33 05.2 42.35N 13.34E 9 1.9L **¶14836227**
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=155.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 12 33 16.4–.19 42.27N 13.39E 11–1 1.8L
CSEM IV 06 12 33 16.4 42.27N 13.39E 11 1.8L **¶14836230**
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=85.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 12 55 17.4–.75 42.37N–.01 13.33E–.02 10–4 3.7b 174 0-48
ROM IV 06 12 55 16.6–.08 42.36N 13.35E 10–0 3.3L **¶12576612**
CSEM IV 06 12 55 16.8–.09 42.36N 13.33E 2 4.0L
ISCJB IV 06 12 55 16.5–.22 42.37N–.02 13.32E–.02 7–2 3.6b
IDC IV 06 12 55 17.6–1.3 42.48N 13.15E 0 3.4,3.3b
LDG IV 06 12 55 18.8–.21 42.32N 13.28E 2 3.1L,3.3b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=148.2.
IDC Error ellipse: s-maj=24.3km s-min=14.2km az=98.0.
LDG Event type ke. Error ellipse: s-maj=8.0km s-min=5.0km az=41.0.
ROM IV 06 13 01 33.5–.14 42.38N 13.32E 9–1 2.0L
CSEM IV 06 13 01 33.5 42.38N 13.32E 9 2.0L **¶14836250**
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=155.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 13 01 52.0–.26 42.27N 13.52E 11–4 2.3L
CSEM IV 06 13 01 52.0 42.27N 13.52E 11 2.3L **¶14836253**
ROM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 13 02 27.1–.13 42.38N 13.39E 9–1 2.4L
CSEM IV 06 13 02 27.1 42.38N 13.39E 9 2.4L **¶14836256**
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 13 13 31.0–.60 42.40N–.02 13.33E–.02 14–4 113 0-7
ISCJB IV 06 13 13 30.9–.28 42.40N–.02 13.32E–.03 12–3 **¶16505269**
CSEM IV 06 13 13 31.4–.10 42.40N 13.32E 2 3.1L
ROM IV 06 13 13 31.1–.09 42.39N 13.35E 10–1 3.0L
LDG IV 06 13 13 33.4–.72 42.45N 13.33E 2 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=0.7.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=75.0.
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=97.0.
LDG Event type ke. Error ellipse: s-maj=15.1km s-min=9.4km az=112.0.
ISC IV 06 13 14 05.5–.82 42.24N–.02 13.47E–.02 6–5 3.6b 168 0-72
ISCJB IV 06 13 14 04.9–.26 42.23N–.02 13.45E–.02 11–2 3.4b **¶14836267**
IDC IV 06 13 14 04.5–1.2 42.11N 13.46E 0 3.8,3.7L
ROM IV 06 13 14 04.6–.09 42.23N 13.49E 9–1 3.2L,3.7L
CSEM IV 06 13 14 05.3–.11 42.24N 13.44E 2 3.3L,3.7L
PDG IV 06 13 14 06.1–.43 42.28N 13.53E 6–1 3.7L,3.7L
LDG IV 06 13 14 09.4–.84 42.44N 13.29E 2 3.4L,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=11.4.
IDC Error ellipse: s-maj=21.1km s-min=19.2km az=108.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=98.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=2.0.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=2.2km az=0.0.
LDG Event type ke. Error ellipse: s-maj=17.0km s-min=11.7km az=116.0.
ISC IV 06 13 25 24.8–.79 42.33N–.02 13.38E–.02 12–4 104 0-7
CSEM IV 06 13 25 24.6–.09 42.33N 13.38E 10 3.6L **¶14836273**
ROM IV 06 13 25 24.5–.07 42.32N 13.39E 10–0 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=67.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=42.0.
ISC IV 06 14 00 36.5–.84 42.34N–.02 13.35E–.02 11–4 104 0-3
ISCJB IV 06 14 00 35.8–.30 42.33N–.02 13.35E–.03 14–3 **¶14836304**
CSEM IV 06 14 00 36.2–.10 42.34N 13.35E 10 3.8L
ROM IV 06 14 00 36.0–.07 42.34N 13.36E 10–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=164.9.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=72.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=93.0.
ISC IV 06 14 14 39.7–.77 42.37N–.02 13.32E–.02 10–4 164 0-62
CSEM IV 06 14 14 39.3–.10 42.37N 13.34E 5 3.2L **¶14836316**
ROM IV 06 14 14 39.1–.08 42.36N 13.35E 10–0 3.4L
ISCJB IV 06 14 14 39.1–.23 42.37N–.02 13.32E–.02 8–2 3.4b
LDG IV 06 14 14 41.5–.21 42.36N 13.29E 2 3.2L
IDC IV 06 14 14 41.5–1.7 42.50N 13.33E 0 4.0,3.9s
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=66.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=11.8.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=4.8km az=56.0.
IDC Error ellipse: s-maj=26.5km s-min=17.1km az=71.0.
ROM IV 06 14 32 13.7–.09 42.37N 13.34E 10–0 2.2L
CSEM IV 06 14 32 13.7 42.37N 13.34E 10 2.2L **¶14836330**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=124.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 16 38 10.9–.64 42.36N–.01 13.33E–.01 10–3 4.3b,3.8s 708 0-87
STR IV 06 16 37 43.6–6.9 41.17N 15.71E 10 3.9L,3.8s **¶12576617**
BJI IV 06 16 38 08.6 42.38N 12.45E 33 5.0b,4.5b
ISCJB IV 06 16 38 09.3–.19 42.39N–.01 13.31E–.01 9–1 4.2b,3.8s
MOS IV 06 16 38 09.8–.87 42.44N 13.34E 10 4.4b,3.8s
LDG IV 06 16 38 09.6–.10 42.41N 13.39E 2 3.9L,3.8s
IDC IV 06 16 38 10.0–.96 42.47N 13.18E 0 3.9,3.9b
NEIC IV 06 16 38 09.0 42.36N 13.33E 10 4.4W,4.3b
ROM IV 06 16 38 09.7–.07 42.36N 13.34E 10–0 4.1L,4.3b
PDG IV 06 16 38 10.3–.27 42.40N 13.35E 10–0 4.0L,4.3b
CSEM IV 06 16 38 10.0–.08 42.37N 13.31E 2 4.5L,4.4b
GEN IV 06 16 38 11.3 42.36N 13.33E 10 3.9L,4.4b
PRU IV 06 16 38 11.4 42.43N 13.44E 0 4.3,4.4b
ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=28.6.
MOS Error ellipse: s-maj=5.5km s-min=3.5km az=83.4.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=41.0.
IDC Error ellipse: s-maj=15.6km s-min=13.2km az=82.0.
NEIC Event type fe. Felt [III] at Ascoli Piceno and Sulmona and [II] at Ancona, Avezzano, Cassino, Foligno, Isernia, Latina, Mentana, Pomezia, Rieti, Rocca di Papa, Rome, Spoleto and Terni. Also felt at Albano Laziale, Chieti, Ciampino, Falconara Marittima, Fonte Nuova, Perugia and Viterbo. After ROM. Moment Tensor Solution. $M_0 5.50000 \times 10^{15}$
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=69.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.2km az=0.0.

CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=34.0.
ROM IV 06 16 50 11.5–.10 42.37N 13.34E 10–0 2.0L
CSEM IV 06 16 50 11.5 42.37N 13.34E 10 2.0L **¶14836470**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=106.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 16 51 02.7–.09 42.36N 13.34E 10–0 2.3L
CSEM IV 06 16 51 02.7 42.36N 13.34E 10 2.3L **¶14836473**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=138.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 16 57 26.6–.77 42.36N–.02 13.31E–.02 11–4 3.3b 144 0-67
ISCJB IV 06 16 57 25.6–.23 42.37N–.02 13.29E–.02 13–2 3.2b **¶12576618**
ROM IV 06 16 57 26.0–.07 42.35N 13.32E 10–0 3.2L
CSEM IV 06 16 57 26.2–.11 42.36N 13.31E 8 3.8L
IDC IV 06 16 57 28.6–1.3 42.58N 13.12E 0 3.4,3.3b
PRU IV 06 16 57 28.0 42.40N 13.36E 0 3.4,3.3b
LDG IV 06 16 57 28.7–.23 42.32N 13.20E 2 3.0L,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=162.3.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=60.0.
IDC Error ellipse: s-maj=43.4km s-min=15.6km az=98.0.
LDG Event type ke. Error ellipse: s-maj=8.5km s-min=5.3km az=42.0.
ROM IV 06 17 27 43.8–.09 42.38N 13.34E 10–0 1.9L
CSEM IV 06 17 27 43.8 42.38N 13.34E 10 1.9L **¶14836507**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=100.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 17 28 36.9–.32 42.28N 13.42E 14–3 2.1L
CSEM IV 06 17 28 36.9 42.28N 13.42E 14 2.1L **¶14836510**
ROM Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 17 28 43.5–.11 42.40N 13.35E 7–1 2.1L
CSEM IV 06 17 28 43.5 42.40N 13.35E 7 2.1L **¶14836513**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=91.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 17 54 02.9–.08 42.29N 13.40E 10–0 1.9L
CSEM IV 06 17 54 02.9 42.29N 13.40E 10 1.9L **¶14836532**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=8.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 18 17 02.8–.08 42.32N 13.39E 10–0 2.2,2.1L
CSEM IV 06 18 17 02.8 42.32N 13.39E 10 2.2,2.1L **¶14836550**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=130.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 20 03 35.3–.75 42.24N–.01 13.51E–.02 9–5 180 0-31
CSEM IV 06 20 03 34.8–.09 42.24N 13.50E 2 3.6L **¶14836661**
ROM IV 06 20 03 34.3–.09 42.23N 13.50E 8–1 3.1L
ISCJB IV 06 20 03 34.5–.22 42.23N–.01 13.51E–.02 10–2 3.0b
IDC IV 06 20 03 34.9–1.3 42.28N 13.37E 0 3.4,3.2
LDG IV 06 20 03 35.0–.16 42.22N 13.47E 2 3.0L,3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=58.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.2km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=162.0.
IDC Error ellipse: s-maj=21.1km s-min=14.0km az=100.0.
LDG Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=47.0.
ROM IV 06 20 24 11.5–.09 42.38N 13.35E 10–0 2.1L
CSEM IV 06 20 24 11.5 42.38N 13.35E 10 2.1L **¶14836686**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=115.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 20 25 01.0–.09 42.37N 13.35E 11–1 2.1L
CSEM IV 06 20 25 01.0 42.37N 13.35E 11 2.1L **¶14836689**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=125.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 20 25 54.4–.10 42.35N 13.38E 11–1 2.2L
CSEM IV 06 20 25 54.4 42.35N 13.38E 11 2.2L **¶14836692**
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 20 26 33.9–.12 42.34N 13.49E 10–1 2.1L
CSEM IV 06 20 26 33.9 42.34N 13.49E 10 2.1L **¶14836695**
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 20 55 43.5–.09 42.32N 13.37E 10–1 1.9L
CSEM IV 06 20 55 43.5 42.32N 13.37E 10 1.9L **¶14836734**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 20 55 57.2–.15 42.39N 13.35E 10–1 1.6L
CSEM IV 06 20 55 57.2 42.39N 13.35E 10 1.6L **¶14836737**
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=112.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 21 16 57.6–.13 42.22N 13.49E 10–1 2.2L
CSEM IV 06 21 16 57.6 42.22N 13.49E 10 2.2L **¶14836778**
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 21 17 02.1–.10 42.23N 13.49E 8–1 2.5L
CSEM IV 06 21 17 02.1 42.23N 13.49E 8 2.5L **¶14836781**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 21 56 54.8–.66 42.39N–.02 13.33E–.02 11–4 3.8b 476 0-81
STR IV 06 21 56 44.5–4.4 41.97N 14.37E 10 3.6L **¶14836840**
ROM IV 06 21 56 53.9–.06 42.38N 13.34E 10–0 3.9L
NEIC IV 06 21 56 53.0 42.40N 13.32E 10 4.1b,3.8L
ISCJB IV 06 21 56 53.7–.19 42.40N–.01 13.31E–.01 11–1 3.8b,3.4s
LDG IV 06 21 56 54.0–.12 42.41N 13.40E 2 3.6L,3.4s
IDC IV 06 21 56 54.6–.96 42.50N 13.23E 0 3.8,3.7L
CSEM IV 06 21 56 54.3–.08 42.39N 13.30E 2 4.1b,3.7L
PDG IV 06 21 56 55.3–.53 42.43N 13.43E 4–2 3.8L,3.7L
PRU IV 06 21 56 56.0 42.45N 13.42E 0 4.1,3.7L
ISC Event type fe.
STR Event type ke.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=95.0.
NEIC Event type fe. Felt [III] at Rieti and [II] at Albano Laziale, Ascoli Piceno, Avezzano, Casoli, Cassino, Ciampino, Foligno, Latina, Mentana, Rocca di Papa, Rome, Spoleto, Sulmona and Terni. Also felt at Caldarola, Castel Gandolfo, Frattocchie, Manoppello, Montelibretti, Pescara, Pratola Peligna, Rocca Priora and Salisano. After ROM.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=26.2.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=46.0.
IDC Error ellipse: s-maj=16.2km s-min=12.6km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=23.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.9km az=0.0.
ISC IV 06 21 58 58.1–.74 42.39N–.02 13.33E–.02 14–4 123 0-7
CSEM IV 06 21 58 58.1–.09 42.39N 13.30E 5 3.9L **¶12579678**
ROM IV 06 21 58 58.0–.08 42.39N 13.33E 10–0 3.3L
ISCJB IV 06 21 58 58.2–.25 42.39N–.02 13.32E–.03 16–4 3.3L
LDG IV 06 21 59 00.1–.34 42.43N 13.32E 2 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=63.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=160.6.
LDG Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=115.0.
ROM IV 06 22 25 51.2–.05 42.25N 13.48E 10–0 2.2L
CSEM IV 06 22 25 51.2 42.25N 13.48E 10 2.2L **¶14836876**
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=85.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 22 26 18.7–.06 42.24N 13.48E 9–0 2.1L
CSEM IV 06 22 26 18.7 42.24N 13.48E 9 2.1L **¶14836879**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 22 33 04.4–.10 42.36N 13.45E 9–1 2.0L
CSEM IV 06 22 33 04.4 42.36N 13.45E 9 2.0L **¶14836892**
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 06 22 45 01.6–.09 42.30N 13.48E 10–0 1.6L
CSEM IV 06 22 45 01.6 42.30N 13.48E 10 1.6L **¶14836922**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=69.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 06 22 47 15.7–.68 42.34N–.02 13.30E–.01 10–4 3.7b 424 0-67
ISCJB IV 06 22 47 13.9–.21 42.36N–.01 13.27E–.01 10–1 3.7b **¶12576624**
NEIC IV 06 22 47 13.0 42.35N 13.29E 12 4.1L,3.8b
CSEM IV 06 22 47 14.5–.07 42.35N 13.27E 2 4.2L,3.8b
PDG IV 06 22 47 14.9–.34 42.42N 13.32E 10–0 3.7L,3.8b
ROM IV 06 22 47 14.2–.08 42.33N 13.30E 10–1 3.7L,3.8b
LDG IV 06 22 47 14.2–.10 42.38N 13.26E 2 3.4L,3.8b
IDC IV 06 22 47 15.1–.95 42.53N 13.02E 0 3.7,3.7L
PRU IV 06 22 47 16.2 42.42N 13.46E 0 3.8,3.7L
STR IV 06 22 47 20.9–9.4 42.62N 12.91E 10 3.4L,3.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=21.4.
NEIC Event type fe. Felt [III] at Rieti and Terni; [II] at Albano Laziale, Avezzano, Ciampino, Foligno, Rocca di Papa, Rome, Spoleto and Sulmona. Also felt at Cascia, Castel Gandolfo, Grottaferrata, Mentana, Pratola Peligna, Rocca Priora and San Benedetto del Tronto. After ROM.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=27.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.4km az=0.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=129.0.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=45.0.
IDC Error ellipse: s-maj=17.5km s-min=11.5km az=102.0.
STR Event type ke.
ISC IV 06 23 15 38.9–.34 42.46N–.01 13.37E–.01 15–1 4.9b,4.5s 1753 0-128
BGS IV 06 23 15 06.0–3.1 39.30N 13.17E 10 4.9b,4.5s **¶12576626**
STR IV 06 23 15 23.2–5.1 41.73N 14.65E 10 4.5L,4.5s
TIR IV 06 23 15 33.3 42.94N 13.37E 0 4.5L,4.5s
BEO IV 06 23 15 33.3–3.4 42.40N 12.47E 0 5.4L,4.5s
BJI IV 06 23 15 34.9 42.62N 13.17E 6 5.2b,5.1s
ISCJB IV 06 23 15 36.6–.18 42.494N–.01 13.376E–.01 12–1 4.8b,4.5s
IDC IV 06 23 15 37.0–.41 42.55N 13.34E 0 4.6,4.6b
PDG IV 06 23 15 37.0–.53 42.48N 13.40E 9–0 5.0,4.9L
LDG IV 06 23 15 36.1–.09 42.48N 13.42E 2 4.5L,4.9L
PRU IV 06 23 15 36.9 42.49N 13.61E 0 4.9,4.9L
ROM IV 06 23 15 36.7–.08 42.46N 13.39E 10–1 5.0L,4.9L
MOS IV 06 23 15 37.3–.95 42.52N 13.37E 16 5.1b,4.4s
NEIC IV 06 23 15 37.0 42.45N 13.36E 9 5.2L,5.1W
CSEM IV 06 23 15 37.2–.06 42.46N 13.35E 2 5.1W,5.0b
CRAAG IV 06 23 15 37.6 42.47N 13.41E 5.0b,5.0b
TEH IV 06 23 15 38.0 42.47N 13.39E 2 4.9L,5.0b
DJA IV 06 23 15 38.2–1.1 42N–11 13E–15 10 5.1b,4.5b
GEN IV 06 23 15 40.2 42.45N 13.36E 9 4.5L,4.5b
GCMT IV 06 23 15 42.3–.20 42.47N 13.27E 12 5.1W,4.5b
ISC Event type fe.
BGS Error ellipse: s-maj=654.2km s-min=999.9km az=-1.0.
STR Event type ke.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=21.7.
IDC Error ellipse: s-maj=9.9km s-min=7.6km az=104.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=32.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=65.0.
MOS Error ellipse: s-maj=3.1km s-min=2.3km az=102.2.
NEIC Event type fe. Felt strongly at L'Aquila. Felt [IV] at Ascoli Piceno, Camerino, Chieti, Foligno, Francavilla al Mare, Guidonia, Lanciano, Macerata, Martinsicuro, Montesilvano, Pescara, Rieti, Roseto degli Abruzzi, San Benedetto del Tronto, Spoleto, Sulmona, Teramo and Terni; [III] at Ancona, Avezzano, Ciampino, Foligno, Ortona, Perugia, Rocca di Papa and Rome. Felt from Imola and Prato to Foggia and Salerno. After ROM. Moment Tensor Solution. $M_0$3.20000×10^{16} Moment Tensor Solution. $M_0$5.00000×10^{16}
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=25.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c83; s87,c159; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.81±.08 $M_{\theta\theta}$1.12±.09; $M_{\phi\phi}$3.70±.09; $M_{r\theta}$-1.66±.26; $M_{\theta\phi}$-2.37±.07; $M_{\phi r}$0.21±.25; Best double couple: NP1:ϕ_s344.00000°,δ41.00000°,λ-67.00000°. NP2:ϕ_s135.00000°,δ53.00000°,λ-108.00000°. Principal axes: T 5.2200,Plg6.0000° ,Azm238.0000°; N 0.0600,Plg15.0000°,Azm146.0000°; P -5.2600,Plg74.0000° ,Azm350.0000° $M_0$5.20000×10^{16}
ISC IV 06 23 23 54.5–.75 42.47N–.02 13.38E–.02 12–4 95 0-7
CSEM IV 06 23 23 54.7–.10 42.45N 13.39E 8 3.5L **¶12579679**
ROM IV 06 23 23 54.1–.11 42.46N 13.39E 9–1 3.1L
ISCJB IV 06 23 23 54.2–.29 42.48N–.02 13.41E–.03 15–3 3.1L
LDG IV 06 23 23 56.0–.16 42.39N 13.41E 2 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=167.0.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=162.7.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=61.0.
ISC IV 06 23 40 02.1–.80 42.31N–.02 13.37E–.02 13–5 90 0-3
CSEM IV 06 23 40 01.9–.08 42.31N 13.38E 12 3.5L **¶14836981**
ROM IV 06 23 40 01.9–.08 42.30N 13.39E 11–0 2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=83.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=75.0.
ISC IV 06 23 49 34.5–.75 42.36N–.02 13.39E–.02 9–4 145 0-8
CSEM IV 06 23 49 34.5–.10 42.36N 13.39E 2 3.9L **¶12576627**
ROM IV 06 23 49 34.0–.08 42.36N 13.40E 9–0 3.2L
ISCJB IV 06 23 49 34.1–.23 42.36N–.02 13.40E–.02 9–2 3.2L
LDG IV 06 23 49 36.5–.17 42.32N 13.35E 2 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=58.0.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=153.5.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=49.0.
ISC IV 06 23 53 47.2–.86 42.32N–.02 13.39E–.02 11–4 84 0-2
CSEM IV 06 23 53 46.9–.09 42.31N 13.39E 10 3.5L **¶14836992**
ROM IV 06 23 53 46.8–.07 42.31N 13.40E 11–0 2.9L
ISCJB IV 06 23 53 46.4–.39 42.32N–.02 13.39E–.03 15–4 2.9L
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.
ISC IV 07 01 23 43.2–.91 42.46N–.02 13.40E–.02 9–5 112 0-7
ISCJB IV 07 01 23 42.0–.26 42.46N–.02 13.39E–.03 11–2 **¶14837052**
CSEM IV 07 01 23 42.4–.11 42.46N 13.39E 2 3.7L
ROM IV 07 01 23 42.2–.08 42.45N 13.41E 9–1 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=161.5.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=77.0.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=79.0.
ROM IV 07 01 36 31.1–.10 42.26N 13.47E 11–1 1.7
CSEM IV 07 01 36 31.1 42.26N 13.47E 11 1.7 **¶14837055**
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.3km az=17.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 01 37 03.6–.09 42.46N 13.41E 9–1 2.1,1.8L
CSEM IV 07 01 37 03.6 42.46N 13.41E 9 2.1,1.8L **¶14837058**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 01 48 44.2–.18 42.44N 13.36E 8–3 1.9,1.5L
CSEM IV 07 01 48 44.2 42.44N 13.36E 8 1.9,1.5L **¶14837071**
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=113.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 07 02 12 20.1–.84 42.28N–.02 13.56E–.02 10–5 131 0-8
ROM IV 07 02 12 19.3–.08 42.27N 13.58E 7–1 3.0L **¶12576633**
ISCJB IV 07 02 12 19.4–.24 42.28N–.02 13.58E–.03 12–2 3.0L
CSEM IV 07 02 12 19.8–.10 42.27N 13.58E 5 3.3L
PRU IV 07 02 12 20.0 42.19N 13.53E 0 3.3L
LDG IV 07 02 12 25.1–.59 42.42N 13.34E 2 2.8L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=147.0.

CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=54.0.
LDG Event type ke. Error ellipse: s-maj=12.0km s-min=8.3km az=116.0.
ROM IV 07 02 21 36.3–.14 42.29N 13.49E 10–1 2.1,1.6L
CSEM IV 07 02 21 36.3 42.29N 13.49E 10 2.1,1.6L ¶14837093
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 02 22 13.7–.09 42.28N 13.50E 10–0 1.8,1.6L
CSEM IV 07 02 22 13.7 42.28N 13.50E 10 1.8,1.6L ¶14837096
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 07 04 12 32.5–.76 42.45N–.02 13.40E–.02 11–4 135 0-7
ROM IV 07 04 12 31.8–.06 42.46N 13.42E 10–0 3.2L ¶12576635
ISCJB IV 07 04 12 31.8–.24 42.46N–.02 13.41E–.02 11–2 3.2L
CSEM IV 07 04 12 32.3–.11 42.45N 13.41E 2 3.7L
LDG IV 07 04 12 35.6–.60 42.45N 13.30E 2 3.0L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=64.0.
LDG Event type ke. Error ellipse: s-maj=11.8km s-min=8.7km az=114.0.
ISC IV 07 05 03 47.6–.77 42.46N–.02 13.39E–.02 10–4 134 0-7
ROM IV 07 05 03 46.9–.08 42.46N 13.42E 9–0 3.3L ¶12576636
ISCJB IV 07 05 03 46.9–.25 42.47N–.02 13.40E–.02 12–2 3.3L
CSEM IV 07 05 03 47.4–.11 42.46N 13.42E 5 3.8L
LDG IV 07 05 03 49.8–.52 42.44N 13.33E 2 3.1L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=142.6.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=64.0.
LDG Event type ke. Error ellipse: s-maj=10.4km s-min=7.2km az=115.0.
ISC IV 07 06 15 07.3–.76 42.37N–.02 13.31E–.02 15–5 113 0-7
CSEM IV 07 06 15 07.8–.11 42.37N 13.34E 8 3.7L ¶12576637
ROM IV 07 06 15 07.5–.08 42.38N 13.32E 11–0 3.1L,3.0
ISCJB IV 07 06 15 07.7–.27 42.37N–.02 13.33E–.03 16–3 3.1L,3.0
LDG IV 07 06 15 10.3–.27 42.45N 13.28E 2 2.9L,3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=66.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=167.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=115.0.
ISC IV 07 08 00 53.0–.72 42.39N–.02 13.38E–.02 16–4 138 0-7
CSEM IV 07 08 00 52.7–.13 42.40N 13.38E 8 3.8L ¶12576638
ROM IV 07 08 00 52.4–.06 42.38N 13.40E 15–1 3.4L,3.1
LDG IV 07 08 00 52.3–.11 42.38N 13.40E 2 3.1L,3.1
ISCJB IV 07 08 00 52.5–.24 42.40N–.02 13.39E–.02 19–3 3.1L,3.1
BEO IV 07 08 01 40.8 46.35N 22.21E 0 3.1L,3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=58.0.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=133.0.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=177.5.
BEO Event type ke.
ROM IV 07 08 10 54.4–.10 42.30N 13.48E 10–0 2.1,1.5L
CSEM IV 07 08 10 54.4 42.30N 13.48E 10 2.1,1.5L ¶14837268
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=10.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 08 11 18.7–.10 42.46N 13.42E 9–1 2.0,2.0L
CSEM IV 07 08 11 18.7 42.46N 13.42E 9 2.0,2.0L ¶14837271
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.1km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 08 56 32.8–.06 42.35N 13.47E 9–0 2.2,2.1L
CSEM IV 07 08 56 32.8 42.35N 13.47E 9 2.2,2.1L ¶14837301
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 09 24 42.6–.08 42.47N 13.42E 9–1 1.4
CSEM IV 07 09 24 42.6 42.47N 13.42E 9 1.4 ¶12579684
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=111.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 07 09 24 57.5–.76 42.35N–.02 13.36E–.02 8–4 4.0b 143 0-67
ROM IV 07 09 24 56.6–.09 42.34N 13.39E 10–1 3.7L ¶14837309
ISCJB IV 07 09 24 56.6–.25 42.36N–.02 13.36E–.03 11–2 3.7b
CSEM IV 07 09 24 57.1–.10 42.34N 13.37E 2 3.5L
IDC IV 07 09 24 57.9–1.0 42.49N 13.33E 0 3.7,3.7b
LDG IV 07 09 24 59.8–.84 42.44N 13.30E 2 3.5L,3.7b
STR IV 07 09 25 02.2–9.0 42.61N 13.12E 5 3.5L,3.7b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=67.0.
IDC Error ellipse: s-maj=19.1km s-min=13.7km az=95.0.
LDG Event type ke. Error ellipse: s-maj=16.3km s-min=11.9km az=123.0.
STR Event type ke.
ISC IV 07 09 26 30.8–.33 42.36N–.02 13.34E–.02 14–1 4.9b,4.8s 1588 0-135
STR IV 07 09 25 59.6–5.4 41.00N 15.95E 10 4.4L,4.8s ¶13438112
BJI IV 07 09 26 25.3 42.31N 13.03E 5 5.2b,5.1s
BEO IV 07 09 26 26.5–.93 42.14N 13.02E 10–24 5.0L,5.1s
ISCJB IV 07 09 26 28.2–.21 42.39N–.01 13.39E–.01 4–1 4.8b,4.8s
IDC IV 07 09 26 28.5–.40 42.41N 13.28E 0 4.6b,4.6
CRAAG IV 07 09 26 28.7 42.29N 13.34E 4.9b,4.6
PDG IV 07 09 26 28.7–.71 42.26N 13.36E 4–2 4.8,4.7L
LDG IV 07 09 26 28.6–.12 42.32N 13.48E 2 4.4L,4.7L
NEIC IV 07 09 26 28.0 42.34N 13.39E 10 5.0W,5.0L
ROM IV 07 09 26 28.6–.06 42.34N 13.39E 10–0 4.8L,5.0L
MOS IV 07 09 26 29.5–.95 42.43N 13.38E 16 5.1b,4.6s
CSEM IV 07 09 26 30.0–.06 42.40N 13.34E 5 4.9W,4.8L
PRU IV 07 09 26 30.1 42.40N 13.46E 0 4.9,4.8L
GEN IV 07 09 26 31.9 42.34N 13.39E 10 4.8L,4.8L
TEH IV 07 09 26 31.0 42.43N 13.38E 13 4.8L,4.8L
ISC Event type fe.
STR Event type ke.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.3km az=12.2.
IDC Error ellipse: s-maj=9.7km s-min=8.0km az=108.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.3km az=23.0.
NEIC Event type fe. Felt [V] at L'Aquila; [IV] at Avezzano, Sulmona and Villa Adriana; [III] at Alatri, Ascoli Piceno, Cassino, Castelliri, Chieti, Fara San Martino, Guardiagrele, Lanciano, Latina, Magliano de' Marsi, Mentana, Palena, Pescara, Rieti, Rome and Viterbo. Felt throughout Abruzzo, Lazio, Marche, Molise and Umbria and in northwestern Campania, including Naples. After ROM. Moment Tensor Solution. M_o2.30000×10^{16} Moment Tensor Solution. M_o4.60000×10^{16}
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=114.0.
MOS Error ellipse: s-maj=3.4km s-min=2.8km az=90.3.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=22.0.
ISC IV 07 09 30 57.4–.76 42.34N–.02 13.38E–.02 10–4 3.5b 82 0-68
CSEM IV 07 09 30 56.8–.09 42.33N 13.36E 10 3.5b ¶12934730
IDC IV 07 09 30 56.8–1.2 42.44N 13.46E 0 3.8,3.7
ROM IV 07 09 30 56.5–.07 42.33N 13.37E 10–0 3.8L,3.7
ISCJB IV 07 09 30 56.4–.30 42.33N–.02 13.36E–.03 14–2 3.5b,3.7
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.
ISC IV 07 09 42 30.6–.77 42.39N–.02 13.31E–.02 13–4 107 0-7
ROM IV 07 09 42 30.2–.07 42.39N 13.33E 10–0 3.1L,2.9 ¶12579685
CSEM IV 07 09 42 30.5–.11 42.39N 13.31E 5 3.5L,2.9
ISCJB IV 07 09 42 30.0–.27 42.39N–.02 13.30E–.03 13–2 3.5L,2.9
LDG IV 07 09 42 32.8–.54 42.45N 13.29E 2 3.1L,2.9
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=88.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=162.7.
LDG Event type ke. Error ellipse: s-maj=11.4km s-min=7.1km az=112.0.
ISC IV 07 10 14 39.7–.82 42.25N–.02 13.47E–.02 13–4 76 0-3
CSEM IV 07 10 14 39.4–.10 42.24N 13.47E 10 3.5L ¶14837330
ROM IV 07 10 14 39.1–.06 42.25N 13.47E 10–0 2.9,2.9L
ISCJB IV 07 10 14 39.2–.41 42.24N–.02 13.47E–.03 14–4 2.9,2.9L
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.
ISC IV 07 12 29 28.5–.76 42.47N–.02 13.38E–.02 8–4 3.5b 156 0-67
ROM IV 07 12 29 27.4–.07 42.46N 13.41E 9–0 3.4L ¶12576640
CSEM IV 07 12 29 27.8–.08 42.47N 13.40E 2 3.2L
ISCJB IV 07 12 29 27.4–.23 42.47N–.02 13.38E–.03 10–2 3.4b
IDC IV 07 12 29 28.1–1.1 42.58N 13.53E 0 3.4,3.4
LDG IV 07 12 29 30.7–.36 42.46N 13.34E 2 3.2L,3.4
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=168.3.
IDC Error ellipse: s-maj=29.7km s-min=14.0km az=95.0.
LDG Event type ke. Error ellipse: s-maj=7.4km s-min=5.1km az=115.0.
ISC IV 07 12 42 06.6–.81 42.29N–.02 13.40E–.02 15–5 95 0-3
ROM IV 07 12 42 07.0–.09 42.29N 13.39E 10–1 3.1L,2.9 ¶14837413
CSEM IV 07 12 42 07.1–.11 42.30N 13.38E 10 3.5L,2.9
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=75.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=76.0.
ROM IV 07 13 46 14.0–.11 42.46N 13.43E 10–1 2.4,2.2L
CSEM IV 07 13 46 14.0 42.46N 13.43E 10 2.4,2.2L ¶14837435
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=1.2km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 14 30 16.1–.04 43.62N 12.16E 10–0 1.9,1.5L
CSEM IV 07 14 30 16.1 43.62N 12.16E 10 1.9,1.5L ¶14837449
ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=30.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 15 01 05.2–.06 42.31N 13.47E 10–0 2.1,2.0L
CSEM IV 07 15 01 06.3–.15 42.30N 13.46E 2 2.3L,2.0L ¶14837456
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=75.0.
ROM IV 07 17 07 24.9–.11 42.37N 13.36E 9–1 2.5,2.3L
CSEM IV 07 17 07 24.9 42.37N 13.36E 9 2.5,2.3L ¶14837540
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=79.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 17 34 07.1–.11 42.49N 13.42E 11–2 1.5L
CSEM IV 07 17 34 07.1 42.49N 13.42E 11 1.5L ¶14837563
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=64.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 17 35 05.5–.07 42.33N 13.49E 10–0 2.0L
CSEM IV 07 17 35 05.5 42.33N 13.49E 10 2.0L ¶14837566
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=63.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 17 35 41.5–.12 42.31N 13.49E 16–2 2.4L
CSEM IV 07 17 35 41.5 42.31N 13.49E 16 2.4L ¶14837569
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 17 36 38.9–.11 42.37N 13.35E 11–1 1.8L
CSEM IV 07 17 36 38.9 42.37N 13.35E 11 1.8L ¶14837572
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=79.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 17 46 59.0–.09 42.24N 13.45E 10–1 1.6L
CSEM IV 07 17 46 59.0 42.24N 13.45E 10 1.6L ¶16535712
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 07 17 47 38.0–.24 42.32N–.01 13.47E–.01 16–1 5.4s,5.4b 2698 0-164
STR IV 07 17 47 21.0–4.0 41.62N 15.01E 10 5.3L,5.4b ¶16194279
BJI IV 07 17 47 34.5 42.64N 13.37E 4 5.8s,5.5
IDC IV 07 17 47 35.5–.33 42.37N 13.46E 0 5.3,5.3s
ISCJB IV 07 17 47 36.7–.16 42.349N–.01 13.499E–.01 13–1 5.4s,5.3b
LDG IV 07 17 47 36.0–.08 42.39N 13.55E 2 5.3L,5.3b
MOS IV 07 17 47 36.3–1.1 42.37N 13.43E 14 5.6b,5.3s
CSEM IV 07 17 47 37.9–.05 42.35N 13.45E 10 5.4b,5.4W
PDA IV 07 17 47 37.6 42.32N 13.42E 13 5.4b,5.4W
ROM IV 07 17 47 37.3–.04 42.30N 13.49E 17–1 5.4L,5.4W
CRAAG IV 07 17 47 37.4 42.33N 13.46E 5.5b,5.4W
PDG IV 07 17 47 37.4–.39 42.32N 13.44E 20–0 5.6,5.5L
NEIC IV 07 17 47 37.0 42.28N 13.46E 15 5.7L,5.6L
PRU IV 07 17 47 38.6 42.43N 13.57E 0 5.4,5.6L
SFS IV 07 17 47 38.0 42.35N 13.41E 13 5.6L,5.6L
BEO IV 07 17 47 40.8–.74 42.57N 13.71E 0 5.8L,5.6L
BGS IV 07 17 47 40.0–1.9 42.40N 13.07E 10 5.4b,5.2s
GCMT IV 07 17 47 42.8–.10 42.31N 13.39E 17–0 5.5W,5.2s
ISC Event type de.
STR Event type ke.
IDC Error ellipse: s-maj=6.9km s-min=5.8km az=105.0.
ISCJB Event type de. Error ellipse: s-maj=1.3km s-min=1.0km az=22.6.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=47.0.
MOS Error ellipse: s-maj=3.2km s-min=2.5km az=97.2.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=28.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=74.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.6km az=0.0.
NEIC Event type de. One person was killed and additional damage to buildings in L'Aquila. Felt [VI] at L'Aquila and Manoppello; [V] at Alatri, Camerino, Celano, Penne, Pratola Peligna, Roseto degli Abruzzi, Sambuceto, Sulmona and Teramo; [IV] at Ancona, Ascoli Piceno, Avezzano, Cassino, Chieti, Colleferro, Falconara Maritima, Fermo, Francavilla al Mare, Frosinone, Guidonia, Lanciano, Lariano, Latina, Macerata, Mentana, Monterotondo, Montesilvano, Pesaro, Pescara, Rieti, Rome, San Benedetto del Tronto, Sora, Termoli and Terni. Felt throughout central Italy; as far north and northwest as Belluno and Parma and as far southeast as Bari and Lamezia Terme. Also felt along the northern coast of Sicily. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After ROM. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s335.00000°,δ60.00000°,λ-40.00000°. NP2:ϕ_s88.00000°,δ56.00000°,λ-143.00000°. Principal axes: T Plg2.0000°,Azm32.0000°; N Plg0.0000°,Azm0.0000°; P Plg48.0000° ,Azm300.0000° Moment Tensor Solution. s70 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96 $M_{\theta\theta}$0.22 $M_{\phi\phi}$0.74 $M_{r\theta}$-0.61 $M_{\theta\phi}$-1.33 $M_{\phi r}$-0.75 Best double couple: NP1:ϕ_s106.00000° ,δ56.00000°,λ-146.00000°. NP2:ϕ_s355.00000°,δ63.00000°,λ-40.00000°. Principal axes: T 1.8500,Plg4.0000°,Azm52.0000°; N 0.0200,Plg43.0000°,Azm146.0000° ; P -1.8700,Plg46.0000°,Azm317.0000° M_o1.90000×10^{17} Moment Tensor Solution. M_o2.90000×10^{17}
SFS Event type ke.
BEO Event type ke.
BGS Error ellipse: s-maj=74.0km s-min=37.3km az=-1.0.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta= 94, comp=196, per= 50. Moment Tensor Solution. s74,c139; s13,c13; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.51±.03 $M_{\theta\theta}$0.84±.03; $M_{\phi\phi}$0.67±.03; $M_{r\theta}$-1.11±.08; $M_{\theta\phi}$-1.55±.02; $M_{\phi r}$-1.08±.08; Best double couple: NP1:ϕ_s345.00000°,δ55.00000°,λ-41.00000°. NP2:ϕ_s101.00000°,δ57.00000°,λ-138.00000°. Principal axes: T 2.3100,Plg1.0000°,Azm223.0000°; N 0.4300,Plg38.0000°,Azm132.0000° ; P -2.7400,Plg52.0000°,Azm314.0000° M_o2.50000×10^{17}
ROM IV 07 18 18 19.0–.11 42.30N 13.46E 9–1 1.7L
CSEM IV 07 18 18 19.0 42.30N 13.46E 9 1.7L ¶14837592
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 18 47 48.4–.11 42.30N 13.50E 10–1 1.4L
CSEM IV 07 18 47 48.4 42.30N 13.50E 10 1.4L ¶14837629
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=20.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 19 20 54.1–.10 42.35N 13.49E 9–1 1.9L
CSEM IV 07 19 20 54.4–.13 42.36N 13.49E 10 2.3L ¶14837667
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.1km az=64.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=66.0.
ROM IV 07 19 38 20.0–.08 42.27N 13.49E 10–0 1.8L

CSEM IV 07 19 38 20.0 42.27N 13.49E 10 1.8L **¶14837685**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=80.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 19 38 48.9–.13 42.51N 13.38E 10–1 1.9L
CSEM IV 07 19 38 48.9 42.51N 13.38E 10 1.9L **¶14837688**
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=62.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 20 07 43.6–.08 42.28N 13.48E 10–0 1.5L
CSEM IV 07 20 07 43.6 42.28N 13.48E 10 1.5L **¶14837723**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=49.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 20 21 39.2–.11 42.45N 13.38E 10–1 1.6L
CSEM IV 07 20 21 39.2 42.45N 13.38E 10 1.6L **¶14837729**
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 20 22 00.4–.12 42.29N 13.47E 8–1 1.7L
CSEM IV 07 20 22 00.4 42.29N 13.47E 8 1.7L **¶14837732**
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=48.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 07 20 40 47.0–.73 42.37N–.02 13.36E–.02 12–4 130 0-8
ROM IV 07 20 40 46.3–.09 42.35N 13.35E 9–1 3.0L **¶14837755**
ISCJB IV 07 20 40 46.1–.25 42.35N–.02 13.34E–.02 13–2 3.0L
CSEM IV 07 20 40 46.5–.11 42.37N 13.36E 2 3.7L
LDG IV 07 20 40 49.5–.47 42.45N 13.28E 2 2.7L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=143.6.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=47.0.
LDG Event type ke. Error ellipse: s-maj=9.9km s-min=6.3km az=109.0.
ROM IV 07 21 00 42.6–.13 42.21N 13.50E 10–1 2.0L
CSEM IV 07 21 00 42.6 42.21N 13.50E 10 2.0L **¶14837784**
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=122.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 21 01 26.6–.08 42.36N 13.35E 10–0 1.9L,1.8
CSEM IV 07 21 01 26.6 42.36N 13.35E 10 1.8,1.8 **¶14837787**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=114.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 21 14 17.3–.06 42.39N 13.32E 10–0 2.1L
CSEM IV 07 21 14 17.0–.08 42.39N 13.33E 19–0 2.7L **¶14837795**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=71.0.
ISC IV 07 21 34 31.6–.48 42.38N–.01 13.36E–.01 9–2 4.6b,3.9s 933 0-128
STR IV 07 21 34 17.4–6.2 41.80N 14.74E 10 4.0L,3.9s **¶12100599**
NEIC IV 07 21 34 29.0 42.38N 13.38E 7 4.6b,4.5W
ISCJB IV 07 21 34 29.9–.20 42.42N–.01 13.35E–.01 8–1 4.4b,3.9s
ROM IV 07 21 34 29.7–.06 42.36N 13.37E 10–0 4.3L,3.9s
IDC IV 07 21 34 30.9–.57 42.53N 13.33E 0 4.2,4.2
PRU IV 07 21 34 30.9 42.42N 13.36E 0 4.6,4.2
CSEM IV 07 21 34 30.7–.08 42.41N 13.35E 2 4.6L,4.5b
BEO IV 07 21 34 30.2–.95 42.45N 13.25E 0 4.4L,4.5b
PDG IV 07 21 34 30.4–.52 42.37N 13.37E 8–0 4.2L,4.5b
LDG IV 07 21 34 30.1–.16 42.31N 13.43E 2 4.0L,4.5b
MOS IV 07 21 34 30.6–1.1 42.49N 13.36E 12 4.7b,4.5b
BJI IV 07 21 34 31.1 42.44N 12.58E 37 4.9s,4.9b
ISC Event type fe.
STR Event type ke.
NEIC Event type fe. Felt [III] at Rome. Also felt at Ascoli Piceno, Caserta, Chieti, Martinsicuro and Ofena. After ROM. Moment Tensor Solution. $M_0$8.40000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=30.4.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=89.0.
IDC Error ellipse: s-maj=12.7km s-min=9.8km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=22.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=39.0.
MOS Error ellipse: s-maj=4.0km s-min=2.9km az=95.9.
ROM IV 07 21 38 33.5–.07 42.37N 13.38E 10–0 2.4L
CSEM IV 07 21 38 33.5 42.37N 13.38E 10 2.4L **¶16505271**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=122.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 07 21 39 07.7–.70 42.36N–.02 13.33E–.02 10–4 3.7b 265 0-67
ISCJB IV 07 21 39 06.8–.23 42.38N–.02 13.32E–.02 9–1 3.6b,3.4s **¶16194258**
ROM IV 07 21 39 06.7–.06 42.36N 13.36E 10–0 3.8L,3.4s
IDC IV 07 21 39 07.0–1.2 42.42N 13.19E 0 3.8,3.7
CSEM IV 07 21 39 07.5–.10 42.36N 13.31E 2 4.3L,3.7
BEO IV 07 21 39 08.3–.81 42.29N 13.23E 12–17 3.8L,3.7
PDG IV 07 21 39 08.1–.95 42.39N 13.37E 6–1 3.6L,3.7
PRU IV 07 21 39 08.4 42.39N 13.48E 0 3.6L,3.7
LDG IV 07 21 39 09.3–.68 42.43N 13.30E 2 3.5L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=30.4.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=83.0.
IDC Error ellipse: s-maj=21.1km s-min=19.5km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=22.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=0.0.
LDG Event type ke. Error ellipse: s-maj=13.1km s-min=10.9km az=106.0.
ISC IV 07 22 09 28.5–.82 42.27N–.02 13.51E–.02 13–5 87 0-3
ROM IV 07 22 09 28.5–.07 42.27N 13.50E 10–0 2.9,2.8L **¶14837851**
ISCJB IV 07 22 09 28.7–.34 42.27N–.02 13.49E–.03 11–4 2.9,2.8L
CSEM IV 07 22 09 28.9–.11 42.27N 13.49E 8 3.5L,2.8L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=160.1.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=70.0.
ROM IV 07 22 28 57.4–.13 42.45N 13.44E 11–2 2.0L
CSEM IV 07 22 28 57.4 42.45N 13.44E 11 2.0L **¶16505272**
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=94.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 07 22 29 51.4–.81 42.28N–.02 13.48E–.02 9–5 113 0-7
ROM IV 07 22 29 50.8–.09 42.28N 13.48E 10–1 3.1L **¶16194277**
ISCJB IV 07 22 29 50.9–.25 42.27N–.02 13.47E–.03 7–3 3.1L
CSEM IV 07 22 29 51.0–.08 42.28N 13.48E 8 3.8L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=151.1.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=62.0.
ISC IV 07 22 43 41.5–.66 42.33N–.01 13.45E–.02 18–2 132 0-8
CSEM IV 07 22 43 42.8–.10 42.33N 13.50E 2 3.6L **¶12100605**
ISCJB IV 07 22 43 42.5–.24 42.32N–.02 13.50E–.03 11–2 3.6L
ROM IV 07 22 43 42.5–.08 42.32N 13.49E 9–1 3.0L
LDG IV 07 22 43 47.5–.47 42.45N 13.32E 2 2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=148.7.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=44.0.
LDG Event type ke. Error ellipse: s-maj=9.5km s-min=6.5km az=115.0.
ROM IV 07 22 46 56.5–.11 42.28N 13.49E 10–1 2.0L
CSEM IV 07 22 46 56.5 42.28N 13.49E 10 2.0L **¶14837898**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 23 43 18.4–.12 42.47N 13.41E 11–2 2.1L
CSEM IV 07 23 43 18.4 42.47N 13.41E 11 2.1L **¶14837948**
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 23 43 52.1–.10 42.37N 13.35E 9–1 2.1L
CSEM IV 07 23 43 52.1 42.37N 13.35E 9 2.1L **¶14837951**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=75.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 07 23 44 35.4–.08 42.24N 13.47E 10–0 2.4L
CSEM IV 07 23 44 35.4 42.24N 13.47E 10 2.4L **¶14837954**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 00 09 05.4–.09 42.29N 13.47E 10–0 1.6L
CSEM IV 08 00 09 05.4 42.29N 13.47E 10 1.6L **¶14837963**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=27.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 00 09 29.2–.08 42.30N 13.47E 10–0 1.9L
CSEM IV 08 00 09 29.2 42.30N 13.47E 10 1.9L **¶14837966**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 00 43 44.9–.05 42.30N 13.48E 10–0 1.4L
CSEM IV 08 00 43 44.9 42.30N 13.48E 10 1.4L **¶14838000**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=37.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 00 44 41.7–.07 42.28N 13.41E 11–0 1.8L
CSEM IV 08 00 44 41.7 42.28N 13.41E 11 1.8L **¶14838003**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 02 45 51.6–.07 42.37N 13.40E 9–0 2.1L
CSEM IV 08 02 45 51.6 42.37N 13.40E 9 2.1L **¶14838098**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 02 46 24.8–.08 42.46N 13.42E 11–0 2.0L
CSEM IV 08 02 46 24.8 42.46N 13.42E 11 2.0L **¶14838101**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=115.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 08 03 00 35.7–.72 42.30N–.02 13.45E–.02 8–4 3.8b 252 0-72
ISCJB IV 08 03 00 34.6–.22 42.29N–.02 13.47E–.02 8–2 3.7b **¶12100760**
LDG IV 08 03 00 34.0–.12 42.28N 13.49E 2 3.1L
ROM IV 08 03 00 34.6–.07 42.29N 13.46E 9–0 3.6L
IDC IV 08 03 00 35.9–.92 42.43N 13.36E 0 3.8,3.7
BEO IV 08 03 00 35.9–1.0 42.36N 13.45E 0 3.7L,3.7
CSEM IV 08 03 00 35.2–.10 42.28N 13.44E 2 4.1L,3.7
PRU IV 08 03 00 36.0 42.42N 13.71E 0 4.1L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=35.8.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=51.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=57.0.
IDC Error ellipse: s-maj=16.2km s-min=13.5km az=100.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=33.0.
ROM IV 08 03 04 46.2–.06 42.25N 13.48E 10–0 2.4L
CSEM IV 08 03 04 46.2 42.25N 13.48E 10 2.4L **¶13438152**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 04 13 16.3–.12 42.47N 13.40E 9–1 1.8L
CSEM IV 08 04 13 16.3 42.47N 13.40E 9 1.8L **¶14838174**
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=112.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 04 13 25.8–.07 42.28N 13.52E 10–0 2.2L
CSEM IV 08 04 13 25.8 42.28N 13.52E 10 2.2L **¶14838171**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 08 04 27 42.3–.65 42.30N–.01 13.46E–.02 10–4 4.0b 547 0-83
STR IV 08 04 27 25.3–7.0 41.59N 15.17E 10 3.4L **¶16152533**
ROM IV 08 04 27 41.2–.07 42.29N 13.46E 9–0 3.8L
BEO IV 08 04 27 41.4–3.2 42.24N 12.90E 0 4.0L
CSEM IV 08 04 27 41.7–.09 42.28N 13.44E 2 4.3L,4.1b
ISCJB IV 08 04 27 41.2–.21 42.29N–.01 13.46E–.02 9–1 4.0b,3.1s
IDC IV 08 04 27 41.4–1.0 42.40N 13.27E 0 4.0,3.8L
NEIC IV 08 04 27 41.0 42.31N 13.47E 11 4.1b,3.7L
PDG IV 08 04 27 42.0–.27 42.33N 13.42E 10–0 3.7L,3.7L
LDG IV 08 04 27 41.4–.10 42.32N 13.48E 2 3.4L,3.7L
PRU IV 08 04 27 42.0 42.26N 13.54E 0 4.1,3.7L
MOS IV 08 04 27 42.1–1.2 42.35N 13.51E 17 4.3b,3.7L
ISC Event type fe.
STR Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=56.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=34.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=31.6.
IDC Error ellipse: s-maj=16.7km s-min=14.4km az=84.0.
NEIC Event type fe. Felt at Alatri, Castelplanio, Celano, Colleferro, Fara San Martino, Magliano de' Marsi, Montorio al Vomano, Penna Sant'Andrea, Pescara, Rome, Sulmona, Teramo and Veroli. After ROM.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=1.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=42.0.
MOS Error ellipse: s-maj=6.7km s-min=4.7km az=89.1.
ROM IV 08 04 59 45.4–.57 42.30N 13.37E 11–2 1.5L
CSEM IV 08 04 59 45.4 42.30N 13.37E 11 1.5L **¶14838191**
ROM Event type ke. Error ellipse: s-maj=9.9km s-min=3.5km az=30.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 05 00 25.2–.37 42.31N 13.47E 9–2 1.9,1.5L
CSEM IV 08 05 00 25.2 42.31N 13.47E 9 1.9,1.5L **¶14838194**
ROM Event type ke. Error ellipse: s-maj=8.7km s-min=1.5km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 05 48 05.1–.07 42.26N 13.47E 10–0 1.9L
CSEM IV 08 05 48 05.1 42.26N 13.47E 10 1.9L **¶14838232**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 05 48 47.6–.08 42.47N 13.42E 9–0 2.2L
CSEM IV 08 05 48 47.6 42.47N 13.42E 9 2.2L **¶14838235**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=93.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 07 43 51.7–.06 42.31N 13.46E 10–0 2.3L
CSEM IV 08 07 43 51.7 42.31N 13.46E 10 2.3L **¶14838304**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 07 44 50.7–.10 42.39N 13.43E 11–0 2.2L
CSEM IV 08 07 44 50.7 42.39N 13.43E 11 2.2L **¶14838301**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=94.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 08 18 11.8–.08 42.34N 13.47E 10–0 2.3,2.0L
CSEM IV 08 08 18 11.8 42.34N 13.47E 10 2.3,2.0L **¶14838334**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 08 19 00.5–.10 42.40N 13.32E 11–2 1.9L
CSEM IV 08 08 19 00.5 42.40N 13.32E 11 1.9L **¶14838346**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 08 31 42.0–.04 42.29N 13.49E 10–0 2.3L
CSEM IV 08 08 31 42.1 42.29N 13.49E 10 2.3L **¶14838360**
ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 09 18 13.0–.07 42.27N 13.56E 9–0 2.5L
CSEM IV 08 09 18 13.0 42.27N 13.56E 9 2.5L **¶14838390**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 10 33 22.0–.05 42.28N 13.51E 11–0 1.8L
CSEM IV 08 10 33 22.0 42.28N 13.51E 11 1.8L **¶16505276**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 08 10 34 10.4–.79 42.36N–.02 13.38E–.02 7–4 163 0-8
ROM IV 08 10 34 09.4–.06 42.35N 13.38E 9–0 3.4L **¶16194294**
ISCJB IV 08 10 34 09.6–.25 42.35N–.02 13.38E–.02 8–2 3.4L
CSEM IV 08 10 34 10.2–.13 42.34N 13.37E 2 3.8L
LDG IV 08 10 34 12.3–.72 42.41N 13.33E 2 2.9L
BEO IV 08 10 34 14.4–.97 42.17N 13.64E 0 3.5L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=20.5.

CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=43.0.
LDG Event type ke. Error ellipse: s-maj=14.2km s-min=10.5km az=106.0.
BEO Event type ke.
ISC IV 08 11 35 57.9–.75 42.35N–.02 13.30E–.02 12–4 131 0-21
ISCJB IV 08 11 35 57.6–.25 42.35N–.02 13.32E–.02 12–2 **¶12100820**
ROM IV 08 11 35 57.4–.06 42.35N 13.32E 10–0 3.5L
CSEM IV 08 11 35 58.0–.12 42.34N 13.31E 2 3.9L
IDC IV 08 11 36 00.6–2.5 42.63N 13.23E 0 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=147.6.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=72.0.
IDC Error ellipse: s-maj=61.4km s-min=20.7km az=101.0.
ROM IV 08 15 57 08.2–.11 42.28N 13.46E 10–1 1.9,1.8L
CSEM IV 08 15 57 08.2 42.28N 13.46E 10 1.9,1.8L **¶14838569**
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 16 05 38.3–.07 42.28N 13.48E 9–0 1.9,1.6L
CSEM IV 08 16 05 38.3 42.28N 13.48E 9 1.9,1.6L **¶14838575**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 16 13 13.9–.08 42.34N 13.40E 10–0 1.8,1.6L
CSEM IV 08 16 13 13.9 42.34N 13.40E 10 1.8,1.6L **¶14838577**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 16 29 05.7–.05 42.29N 13.41E 11–0 1.7L
CSEM IV 08 16 29 06.9–.25 42.27N 13.40E 2 1.9L **¶14838585**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=67.0.
ISC IV 08 17 58 36.6–.71 42.38N–.02 13.41E–.02 10–4 153 0-48
ROM IV 08 17 58 35.8–.07 42.37N 13.42E 9–0 3.4L **¶12103389**
CSEM IV 08 17 58 36.4–.10 42.36N 13.41E 2 3.7L
ISCJB IV 08 17 58 36.1–.24 42.38N–.02 13.39E–.02 3–2 3.2b
IDC IV 08 17 58 37.7–1.3 42.48N 13.52E 0 3.5,3.4
LDG IV 08 17 58 39.3–.71 42.41N 13.33E 2 2.8L,3.4
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=146.3.
IDC Error ellipse: s-maj=34.1km s-min=14.1km az=96.0.
LDG Event type ke. Error ellipse: s-maj=14.0km s-min=10.4km az=106.0.
ISC IV 08 20 06 04.1–.81 42.28N–.02 13.46E–.02 8–5 123 0-8
CSEM IV 08 20 06 03.7–.13 42.28N 13.47E 0–1 3.6L **¶12742086**
ISCJB IV 08 20 06 03.4–.26 42.28N–.02 13.48E–.02 9–2 3.6L
ROM IV 08 20 06 03.0–.08 42.29N 13.49E 10–0 3.1L
LDG IV 08 20 06 06.5–.88 42.41N 13.37E 2 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=153.4.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=56.0.
LDG Event type ke. Error ellipse: s-maj=17.5km s-min=13.4km az=106.0.
ISC IV 08 21 11 05.3–.76 42.29N–.02 13.52E–.02 8–4 119 0-8
ROM IV 08 21 11 04.6–.07 42.30N 13.56E 10–0 3.3L **¶12742087**
CSEM IV 08 21 11 05.4–.11 42.28N 13.56E 2 3.5L
ISCJB IV 08 21 11 05.0–.26 42.29N–.02 13.55E–.03 8–2 3.5L
LDG IV 08 21 11 09.9–.71 42.41N 13.33E 2 2.6L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=159.1.
LDG Event type ke. Error ellipse: s-maj=14.1km s-min=10.4km az=106.0.
ROM IV 08 21 23 37.5–.13 42.31N 13.50E 9–1 1.4L
CSEM IV 08 21 23 37.5 42.31N 13.50E 9 1.4L **¶14838723**
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 21 24 04.2–.07 42.28N 13.48E 10–0 1.9L
CSEM IV 08 21 24 04.2 42.28N 13.48E 10 1.9L **¶14838726**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 08 22 42 09.9–.08 42.37N 13.43E 9–0 2.7,2.2L
CSEM IV 08 22 42 09.9 42.37N 13.43E 9 2.7,2.2L **¶14838754**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=81.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 08 22 56 50.8–.64 42.51N–.01 13.35E–.01 10–4 4.1b,3.2s 850 0-98
BEO IV 08 22 56 49.8–3.1 42.57N 12.77E 0 4.4L,3.2s **¶12105713**
ISCJB IV 08 22 56 50.2–.22 42.53N–.01 13.32E–.01 15–2 4.0b,3.3s
CSEM IV 08 22 56 50.7–.07 42.51N 13.31E 5 4.1L,4.1b
ROM IV 08 22 56 50.1–.06 42.50N 13.37E 11–0 4.2L,4.1b
MOS IV 08 22 56 50.2–1.1 42.54N 13.34E 18 4.3b,4.1b
IDC IV 08 22 56 50.0–.69 42.60N 13.22E 0 4.0,3.9L
NEIC IV 08 22 56 50.0 42.51N 13.36E 10 4.3L,4.3L
PDG IV 08 22 56 50.3–.34 42.53N 13.36E 11–1 4.0L,4.3L
LDG IV 08 22 56 50.8–.12 42.60N 13.60E 2 4.0L,4.3L
PRU IV 08 22 56 51.3 42.54N 13.49E 0 4.1,4.3L
STR IV 08 22 57 00.4–.54 43.06N 12.74E 10 4.0L,4.3L
ISC Event type fe.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.4km az=27.1.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=30.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=74.0.
MOS Error ellipse: s-maj=4.3km s-min=3.1km az=112.0.
IDC Error ellipse: s-maj=17.8km s-min=10.9km az=97.0.
NEIC Event type fe. Felt [IV] at Ascoli Piceno, Cassino, Chieti, Pescara, Rieti, Spoleto, Sulmona and Teramo; [III] at Ancona, Rome and Terni. Also felt at Assisi, Avezzano, Bisenti, Cermignano, Corridonia, Fermo, Foligno, Guidonia, Montesilvano, Narni and Viterbo. After ROM. Moment Tensor Solution. $M_0$1.90000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=2.2km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=1.9km az=5.0.
STR Event type ke.
ROM IV 08 23 03 22.2–.06 42.42N 13.27E 11–0 1.9,1.8L
CSEM IV 08 23 03 22.2 42.42N 13.27E 11 1.9,1.8L **¶14838765**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 08 23 18 07.7–.75 42.40N–.01 13.30E–.02 10–5 243 0-48
ROM IV 08 23 18 06.5–.05 42.39N 13.33E 11–0 3.4L **¶12105715**
CSEM IV 08 23 18 06.9–.10 42.40N 13.27E 2 3.8L
ISCJB IV 08 23 18 06.4–.22 42.40N–.01 13.30E–.02 7–2 3.4b
LDG IV 08 23 18 07.0–.13 42.41N 13.36E 2 3.1L
IDC IV 08 23 18 07.1–1.4 42.44N 13.22E 0 3.5,3.4
PRU IV 08 23 18 08.3 42.43N 13.46E 0 3.5,3.4
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=94.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=135.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=2.8km az=40.0.
IDC Error ellipse: s-maj=38.6km s-min=15.4km az=93.0.
ROM IV 09 00 38 05.7–.08 42.38N 13.46E 9–0 1.8L
CSEM IV 09 00 38 05.7 42.38N 13.46E 9 1.8L **¶14838833**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 09 00 38 32.1–.13 42.38N 13.39E 10–1 1.7L
¶14838839
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=1.4km az=99.0.
ROM IV 09 00 52 13.1–.10 42.35N 13.34E 10–0 1.2
CSEM IV 09 00 52 13.1 42.35N 13.34E 10 1.2 **¶16505278**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=159.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 09 00 53 01.6–.33 42.50N–.01 13.35E–.01 14–1 5.2b,5.0s 2206 0-164
NIC IV 09 00 52 56.6–.70 42.52N 13.38E 2 5.2b,5.0s **¶16194316**
BJI IV 09 00 52 57.9 42.64N 13.11E 7 5.5b,5.4s
ISCJB IV 09 00 52 58.6–.21 42.557N–.01 13.382E–.01 1–1 5.2b,5.0s
NEIC IV 09 00 52 59.0 42.48N 13.34E 15 5.5L,5.4W
ROM IV 09 00 52 59.6–.04 42.49N 13.35E 11–0 5.1L,5.4W
IDC IV 09 00 52 59.5–.38 42.58N 13.30E 0 4.9,4.9
PDG IV 09 00 52 59.6–.58 42.53N 13.39E 7–0 5.5,5.4L
LDG IV 09 00 52 59.3–.07 42.57N 13.48E 2 5.0L,5.4L
CSEM IV 09 00 53 00.3–.05 42.51N 13.34E 5 5.3W,5.2b
SFS IV 09 00 53 00.0 42.51N 13.30E 5 5.3L,5.2b
MOS IV 09 00 53 00.3–1.1 42.59N 13.31E 16 5.2b,4.8s
PRU IV 09 00 53 00.2 42.55N 13.25E 1 5.2,4.8s
CRAAG IV 09 00 53 00.6 42.53N 13.39E 5.4W,4.8s
BEO IV 09 00 53 00.1–.91 42.64N 13.24E 0 5.7L,4.8s
TEH IV 09 00 53 02.0 42.51N 13.33E 5 5.3L,4.8s
GCMT IV 09 00 53 06.1–.10 42.48N 13.30E 12 5.4W,4.8s
STR IV 09 00 53 08.2–.50 42.94N 12.92E 10 5.0L,4.8s
ISC Event type fe.
NIC Central Italy, 19km. NW LAquila.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.1km az=17.2.
NEIC Event type fe. Felt [VII] at Montereale; [V] at Bellante, Macerata, Montorio al Vomano, Pratola Peligna and Teramo; [IV] at Ancona, Ascoli Piceno, Avezzano, Cepagatti, Chieti, Fabriano, Foligno, Francavilla al Mare, Frosinone, Giulinova, Monterotondo, Montesilvano, Ortona, Penne, Perugia, Pescara, Rieti, San Benedetto del Tronto, Spoleto, Spoltore, Sulmona, Terni, Tolentino and Vasto. Felt throughout central Italy and as far as Friuli and Basilicata. After ROM. Moment Tensor Solution. s52 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.10 $M_{\theta\theta}$0.33 $M_{\phi\phi}$0.77 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.24 $M_{\phi r}$-0.30 Best double couple: NP1:ϕ_s159.00000°,δ35.00000° ,λ-84.00000°. NP2:ϕ_s332.00000°,δ55.00000°,λ-94.00000°. Principal axes: T 0.9500,Plg10.0000°,Azm64.0000°; N 0.2300,Plg3.0000°,Azm334.0000° ; P -1.1700,Plg79.0000°,Azm225.0000° $M_0$1.10000×10^{17} Moment Tensor Solution. $M_0$9.80000×10^{16} Moment Tensor Solution. $M_0$1.60000×10^{17}
ROM Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=37.0.
IDC Error ellipse: s-maj=9.4km s-min=8.3km az=119.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=17.0.
SFS Event type ke.
MOS Error ellipse: s-maj=3.1km s-min=2.4km az=94.1.
BEO Event type ke.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 107 sta. Moment Tensor Solution. s91,c162; s99,c223; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.47±.02 $M_{\theta\theta}$0.46±.02; $M_{\phi\phi}$1.01±.02; $M_{r\theta}$-0.45±.05; $M_{\theta\phi}$-0.80±.01; $M_{\phi r}$-0.12±.05; Best double couple: NP1: ϕ_s340.00000°,δ44.00000°,λ-66.00000°. NP2:ϕ_s129.00000°,δ50.00000°,λ-111.00000°. Principal axes: T 1.5900,Plg3.0000°,Azm234.0000°; N 0.0200,Plg16.0000°,Azm143.0000° ; P -1.6100,Plg74.0000°,Azm335.0000° $M_0$1.60000×10^{17}
STR Event type ke.
ROM IV 09 01 23 31.0–.07 42.30N 13.41E 11–0 2.3L
CSEM IV 09 01 23 31.0 42.30N 13.41E 11 2.3L **¶14838863**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=48.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 09 01 25 51.6–.79 42.50N–.02 13.37E–.02 11–4 102 0-3
ISCJB IV 09 01 25 50.9–.31 42.50N–.02 13.34E–.03 13–3 **¶14838864**
CSEM IV 09 01 25 51.2–.10 42.50N 13.34E 10 3.5L
ROM IV 09 01 25 51.1–.07 42.51N 13.37E 10–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=142.1.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=62.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=89.0.
ROM IV 09 01 52 35.6–.07 42.45N 13.45E 10–0 1.8L
CSEM IV 09 01 52 35.6 42.45N 13.45E 10 1.8L **¶14838885**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=81.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 09 01 53 51.0–.07 42.47N 13.43E 9–0 1.8L
CSEM IV 09 01 53 51.0 42.47N 13.43E 9 1.8L **¶14838884**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=113.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 09 02 37 27.1–.73 42.51N–.02 13.33E–.02 12–4 162 0-48
ISCJB IV 09 02 37 26.2–.22 42.51N–.02 13.33E–.02 14–2 3.3b **¶12742125**
IDC IV 09 02 37 26.3–1.4 42.56N 13.31E 0 3.2,3.2b
ROM IV 09 02 37 26.6–.06 42.50N 13.34E 11–0 3.2L,3.2b
CSEM IV 09 02 37 26.7–.10 42.50N 13.32E 5 3.5L,3.2b
LDG IV 09 02 37 27.6–.82 42.40N 13.35E 2 2.8L,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=38.7.
IDC Error ellipse: s-maj=21.6km s-min=15.7km az=85.0.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=94.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=47.0.
LDG Event type ke. Error ellipse: s-maj=16.3km s-min=12.1km az=105.0.
ROM IV 09 02 45 44.2–.08 42.27N 13.60E 10–0 2.1L
CSEM IV 09 02 45 44.2 42.27N 13.60E 10 2.1L **¶14838924**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=37.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 09 02 46 09.8–.06 42.52N 13.36E 9–0 2.5L
CSEM IV 09 02 46 09.8 42.52N 13.36E 9 2.5L **¶14838927**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 09 02 47 05.2–.08 42.50N 13.35E 12–1 1.6L
CSEM IV 09 02 47 05.2 42.50N 13.35E 12 1.6L **¶14838931**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=112.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 09 02 47 18.6–.07 42.45N 13.44E 9–0 2.9L
CSEM IV 09 02 47 18.9–.10 42.46N 13.41E 10 2.9L **¶14838928**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=67.0.
ISC IV 09 03 14 52.9–.48 42.35N–.01 13.41E–.01 13–2 4.4b,4.0s 1047 0-92
IDC IV 09 03 14 50.7–.52 42.41N 13.27E 0 4.4,4.4L **¶12105724**
LDG IV 09 03 14 51.8–.16 42.38N 13.49E 2 4.0L,4.4L
MOS IV 09 03 14 51.9–1.1 42.41N 13.41E 17 4.7b,4.4L
BJI IV 09 03 14 52.4 42.40N 13.40E 7 4.8b,4.7s
PDG IV 09 03 14 52.6–.55 42.36N 13.44E 13–0 4.3L,4.7s
CSEM IV 09 03 14 52.7–.06 42.36N 13.40E 10 4.8L,4.4b
ROM IV 09 03 14 52.2–.06 42.34N 13.44E 17–1 4.6L,4.4b
ISCJB IV 09 03 14 52.3–.17 42.38N–.01 13.40E–.01 20–1 4.3b,3.9s
NEIC IV 09 03 14 52.0 42.34N 13.44E 18 4.5L,4.4W
PRU IV 09 03 14 53.4 42.48N 13.34E 1 4.3,4.4W
BEO IV 09 03 14 54.1–2.9 42.40N 13.16E 0 4.8L,4.4W
STR IV 09 03 14 58.5–1.0 42.70N 12.98E 5 4.0L,4.4W
ISC Event type fe.
IDC Error ellipse: s-maj=12.6km s-min=10.2km az=122.0.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=32.0.
MOS Error ellipse: s-maj=3.5km s-min=2.8km az=103.6.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=18.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=26.7.
NEIC Event type fe. Felt [III] at Ascoli Piceno, Guidonia, Macerata, Pescara, Rieti, Spoltore, Sulmona, Tivoli and Tolentino; [II] at Albano Laziale, Ancona, Avezzano, Campobasso, Cassino, Foligno, Rocca di Papa, Rome, Spoleto and Terni. Felt in much of Abruzzo, Lazio, Marche, Molise and Umbria. Also felt in northwestern Campania. After ROM. Moment Tensor Solution. $M_0$4.90000×10^{15}
BEO Event type ke.
STR Event type ke.
ISC IV 09 03 41 55.8–.76 42.50N–.02 13.33E–.02 12–4 154 0-7
ROM IV 09 03 41 55.6–.06 42.51N 13.34E 11–0 3.2L **¶12105726**
CSEM IV 09 03 41 55.8–.10 42.49N 13.30E 5 3.5L
ISCJB IV 09 03 41 55.3–.22 42.50N–.02 13.33E–.02 14–2 3.5L
LDG IV 09 03 41 55.9–.81 42.41N 13.35E 2 3.0L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=84.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=40.6.
LDG Event type ke. Error ellipse: s-maj=16.2km s-min=12.0km az=105.0.
ROM IV 09 04 16 09.4–.13 42.51N 13.38E 9–1 2.0L
CSEM IV 09 04 16 09.4 42.51N 13.38E 9 2.0L **¶14838998**

ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 09 04 29 45.7–.79 42.51N–.02 13.34E–.02 12–4 123 0-4
ROM IV 09 04 29 45.3–.07 42.50N 13.34E 10–0 3.2L ¶13903785
ISCJB IV 09 04 29 45.0–.25 42.50N–.02 13.34E–.02 13–2 3.2L
CSEM IV 09 04 29 45.4–.08 42.50N 13.32E 10 3.8L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=153.5.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=71.0.
ROM IV 09 04 32 04.1–.06 42.26N 13.46E 11–0 1.1
CSEM IV 09 04 32 04.1 42.26N 13.46E 11 1.1 ¶16505279
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=24.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 09 04 32 46.1–.55 42.46N–.01 13.39E–.01 2–3 4.4s,4.3b 732 0-90
BJI IV 09 04 32 44.4 42.50N 13.30E 10 4.9b,4.7s ¶16194319
LDG IV 09 04 32 44.8–.10 42.46N 13.44E 2 3.8L,4.7s
ISCJB IV 09 04 32 44.9–.19 42.47N–.01 13.40E–.01 10–1 4.4s,4.2b
NEIC IV 09 04 32 44.0 42.45N 13.42E 8 4.2b,4.2W
ROM IV 09 04 32 45.0–.07 42.45N 13.43E 10–0 4.2L,4.2W
IDC IV 09 04 32 46.0–.70 42.60N 13.29E 0 4.1,4.1b
PDG IV 09 04 32 45.5–.78 42.46N 13.43E 8–1 4.3L,4.1b
MOS IV 09 04 32 45.2–.86 42.52N 13.41E 10 4.5b,4.1b
CSEM IV 09 04 32 45.3–.07 42.45N 13.38E 2 4.7L,4.2W
PRU IV 09 04 32 46.4 42.53N 13.47E 0 4.2,4.2W
BEO IV 09 04 32 47.8–.82 42.58N 13.58E 0 4.4L,4.2W
STR IV 09 04 32 54.6–.74 42.90N 12.88E 10 3.8L,4.2W
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=31.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=35.0.
NEIC Event type fe. Felt [II] at Ancona, Ascoli Piceno, Avezzano, Casoli, Cassino, Ciampino, Foligno, Frattocchie, Guidonia, Latina, Macerata, Perugia, Pescara, Rome, Senigallia, Spoltore, Sulmona and Terni. Felt in much of Abruzzo, Lazio, Marche and Umbria. After ROM. Moment Tensor Solution. $M_0$2.70000×10^{15}
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=68.0.
IDC Error ellipse: s-maj=13.1km s-min=11.0km az=81.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
MOS Error ellipse: s-maj=5.5km s-min=3.7km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=31.0.
BEO Event type ke.
STR Event type ke.
ROM IV 09 04 42 22.5–.07 42.36N 13.44E 9–0 2.8L
CSEM IV 09 04 42 22.5 42.36N 13.44E 9 2.8L ¶16535713
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=74.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 09 04 43 10.5–.70 42.50N–.02 13.35E–.01 9–4 3.7b 371 0-72
ISCJB IV 09 04 43 09.4–.19 42.51N–.01 13.33E–.02 13–1 3.6b ¶16194321
ROM IV 09 04 43 09.6–.07 42.50N 13.37E 10–0 4.0L
NEIC IV 09 04 43 09.0 42.51N 13.37E 9 4.0L,3.7L
CSEM IV 09 04 43 09.9–.08 42.51N 13.34E 2 4.2L,3.7L
LDG IV 09 04 43 09.8–.22 42.48N 13.42E 2 3.7L,3.7L
IDC IV 09 04 43 09.9–.93 42.60N 13.23E 0 3.7,3.6
PRU IV 09 04 43 10.5 42.50N 13.63E 1 3.7,3.6
STR IV 09 04 43 18.8–.78 42.92N 12.80E 10 3.7L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=31.7.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=82.0.
NEIC Event type fe. Felt [III] at Ascoli Piceno, Pescara and Rieti; [II] at Avezzano, Chieti, Gualdo Tadino, Guidonia, Macerata, Rocca di Papa, Rome, Spoleto, Spoltore, Sulmona and Terni. Felt in Abruzzo, Lazio, Marche and Umbria. After ROM.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=39.0.
LDG Event type ke. Error ellipse: s-maj=8.1km s-min=3.5km az=14.0.
IDC Error ellipse: s-maj=17.4km s-min=13.1km az=96.0.
STR Event type ke.
ISC IV 09 05 09 07.3–.80 42.39N–.02 13.34E–.02 14–4 92 0-3
ISCJB IV 09 05 09 06.8–.35 42.38N–.02 13.31E–.03 15–3 ¶14839033
ROM IV 09 05 09 07.1–.07 42.38N 13.32E 10–0 3.0L
CSEM IV 09 05 09 07.2–.09 42.38N 13.32E 10 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=158.5.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=65.0.
ROM IV 09 05 26 25.4–.08 42.46N 13.43E 9–0 1.9L,1.8
CSEM IV 09 05 26 25.4 42.46N 13.43E 9 1.8,1.8 ¶14839051
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=115.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 09 05 26 46.4–.11 42.39N 13.39E 10–1 1.9L,1.4
CSEM IV 09 05 26 46.4 42.39N 13.39E 10 1.4,1.4 ¶14839054
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=43.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 09 05 27 02.0–.10 42.39N 13.34E 11–0 1.7L,1.6
CSEM IV 09 05 27 02.0 42.39N 13.34E 11 1.6,1.6 ¶14839057
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=137.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 09 08 20 50.3–.09 42.34N 13.36E 10–0 1.9,1.5L
CSEM IV 09 08 20 50.3 42.34N 13.36E 10 1.9,1.5L ¶14839163
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 09 10 16 54.5–.08 42.45N 13.43E 10–0 2.0,1.8L
CSEM IV 09 10 16 54.5–.12 42.46N 13.45E 15 2.1L,1.8L ¶14839247
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=59.0.
ISC IV 09 13 00 29.3–.77 42.30N–.02 13.46E–.02 11–4 121 0-8
ISCJB IV 09 13 00 29.0–.27 42.31N–.02 13.47E–.03 13–3 ¶12576674
CSEM IV 09 13 00 29.4–.11 42.29N 13.47E 2 3.8L
ROM IV 09 13 00 29.0–.07 42.30N 13.46E 9–0 3.2L
LDG IV 09 13 00 33.6–.95 42.42N 13.31E 2 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=143.8.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=50.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=59.0.
LDG Event type ke. Error ellipse: s-maj=19.5km s-min=13.3km az=114.0.
ROM IV 09 13 18 34.2–.07 42.34N 13.26E 12–0 3.1L
CSEM IV 09 13 18 34.2 42.34N 13.26E 12 3.1L ¶16505280
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=63.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 09 13 19 34.9–.67 42.35N–.01 13.24E–.01 10–4 3.9b 547 0-81
ROM IV 09 13 19 33.8–.08 42.34N 13.26E 10–0 4.1L ¶16194329
IDC IV 09 13 19 33.9–.80 42.45N 13.10E 0 4.0,3.9
ISCJB IV 09 13 19 33.7–.22 42.36N–.01 13.17E–.01 19–2 3.8b,2.8s
NEIC IV 09 13 19 34.3–.35 42.37N 13.19E 4–3 4.0L,3.9b
CSEM IV 09 13 19 34.1–.08 42.39N 13.17E 2 3.9b,3.6W
PDG IV 09 13 19 34.5–.35 42.43N 13.27E 8–1 3.9L,3.6W
LDG IV 09 13 19 34.3–.10 42.40N 13.33E 2 3.8L,3.6W
BEO IV 09 13 19 35.0–.81 42.38N 12.86E 30–19 4.1L,3.6W
PRU IV 09 13 19 35.7 42.37N 13.52E 0 3.9,3.6W
THE IV 09 13 19 38.7 42.42N 13.41E 31–51 3.9L,3.6W
ISC Event type fe.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=43.0.
IDC Error ellipse: s-maj=14.4km s-min=12.2km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=20.8.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=3.1km az=108.0. Felt [III] at Rieti, Teramo and Tortoretto; [II] at Albano Laziale, Ascoli Piceno, Avezzano, Chieti, Foligno, Guidonia, Monterotondo, Rocca di Papa, Rome, Sulmona and Terni. Felt in Abruzzo, Lazio, Marche and Umbria. Moment Tensor Solution. $M_0$3.50000×10^{14}
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=20.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.8km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=31.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=51.7km s-min=3.7km az=0.0.
ROM IV 09 14 18 47.9–.09 42.47N 13.37E 9–1 1.9,1.7L
CSEM IV 09 14 18 47.9 42.47N 13.37E 9 1.9,1.7L ¶16194331
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 09 14 19 20.5–.07 42.45N 13.45E 9–0 2.6L
CSEM IV 09 14 19 20.5 42.45N 13.45E 9 2.6L ¶16552562
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=70.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 09 14 20 01.6–.12 42.33N 13.53E 10–1 2.0
CSEM IV 09 14 20 01.6 42.33N 13.53E 10 2.0 ¶16552561
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=22.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 09 15 18 15.1–.75 42.30N–.02 13.48E–.02 9–4 159 0-68
CSEM IV 09 15 18 14.9–.11 42.30N 13.50E 2 2.9L ¶12576732
ISCJB IV 09 15 18 14.5–.22 42.30N–.02 13.50E–.02 11–2 3.3b
ROM IV 09 15 18 14.5–.07 42.30N 13.49E 10–0 3.3L
IDC IV 09 15 18 15.5–1.2 42.45N 13.33E 0 3.6,3.6b
LDG IV 09 15 18 19.0–.69 42.45N 13.34E 2 2.9L,3.6b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=148.9.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=55.0.
IDC Error ellipse: s-maj=23.2km s-min=14.1km az=100.0.
LDG Event type ke. Error ellipse: s-maj=13.6km s-min=9.9km az=106.0.
ROM IV 09 16 24 52.6–.06 42.30N 13.46E 10–0 2.5L
CSEM IV 09 16 24 52.9–.08 42.29N 13.46E 10 3.1L ¶14839416
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=51.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=63.0.
ROM IV 09 18 32 58.9–.09 42.33N 13.51E 8–1 2.6,2.1L
CSEM IV 09 18 32 58.9 42.33N 13.51E 8 2.6,2.1L ¶14839479
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 09 19 38 18.9–.28 42.52N–.01 13.36E–.01 14–1 4.9b,4.6s 1785 0-138
STR IV 09 19 38 08.6–3.3 42.09N 14.25E 10 4.8L,4.6s ¶13438270
BJI IV 09 19 38 15.2 42.80N 13.02E 10 5.4b,5.2s
ISCJB IV 09 19 38 16.5–.18 42.559N–.01 13.359E–.01 6–1 4.8b,4.6s
ROM IV 09 19 38 16.9–.06 42.50N 13.35E 9–0 5.0L,4.6s
IDC IV 09 19 38 16.7–.42 42.58N 13.24E 0 4.7,4.7
LDG IV 09 19 38 16.6–.09 42.55N 13.42E 2 4.8L,4.7
IGIL IV 09 19 38 17.9 42.52N 13.35E 2 5.1b,4.7
NEIC IV 09 19 38 17.4–.28 42.51N 13.33E 3–2 5.3W,5.2L
PRU IV 09 19 38 17.6 42.56N 13.26E 1 5.0,5.2L
MOS IV 09 19 38 17.0–.99 42.59N 13.31E 14 5.2b,4.6s
CRAAG IV 09 19 38 17.4 42.52N 13.35E 5.2W,4.6s
CSEM IV 09 19 38 17.2–.06 42.53N 13.32E 2 5.2W,5.1s
PDG IV 09 19 38 17.0–.61 42.53N 13.36E 10–0 4.9L,4.9
SFS IV 09 19 38 18.0 42.54N 13.30E 10 5.2L,4.9
BEO IV 09 19 38 18.9 42.76N 13.34E 0 5.1L,4.9
DJA IV 09 19 38 19.2–.70 43N–8.0 13E–12 10 5.4b,4.9
GCMT IV 09 19 38 22.3–.10 42.49N 13.24E 12 5.2W,4.9
ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=23.2.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=73.0.
IDC Error ellipse: s-maj=9.5km s-min=7.9km az=104.0.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=48.0.
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=205.0. Felt [VI] at Cittaducale; [V] at Amatrice, Grottammare, Orte and Teramo; [IV] at Alba Adriatico, Ascoli Piceno, Atri, Bellante, Chieti, Fermo, Folignano, Foligno, Frosinone, Gualdo Tadino, Macerata, Mentana, Montorio al Vomano, Narni, Rieti, San Benedetto del Tronto, Sora, Spoleto, Terni and Tolentino. Felt [III] at Rome and [II] at Bologna, Florence and Naples. Felt throughout central Italy and from southern Veneto to Basilicata. Moment Tensor Solution. $M_0$4.00000×10^{16} Moment Tensor Solution. $M_0$1.00000×10^{17}
MOS Error ellipse: s-maj=3.5km s-min=2.5km az=103.1.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=29.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
SFS Event type ke.
BEO Event type ke.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=190, per= 50. Moment Tensor Solution. s60,c101; s9,c9; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.13±.10 $M_{\theta\theta}$3.18±.10; $M_{\phi\phi}$3.96±.10; $M_{r\theta}$-2.87±.28; $M_{\theta\phi}$-3.57±.08; $M_{\phi r}$-0.25±.29; Best double couple: NP1:ϕ_s333.00000°,δ40.00000°,λ-65.00000°. NP2:ϕ_s122.00000°,δ54.00000°,λ-109.00000°. Principal axes: T 7.3800,Plg7.0000°,Azm226.0000°; N 0.6300,Plg16.0000°,Azm134.0000° ; P -7.9900,Plg73.0000°,Azm340.0000° $M_0$7.70000×10^{16}
ISC IV 09 20 47 01.8–.74 42.50N–.01 13.31E–.01 13–4 206 0-10
ISCJB IV 09 20 47 00.9–.20 42.50N–.02 13.28E–.02 13–2 ¶12578477
CSEM IV 09 20 47 01.5–.09 42.50N 13.28E 5 3.7L
ROM IV 09 20 47 01.2–.06 42.50N 13.32E 11–0 3.3L
LDG IV 09 20 47 01.2–.16 42.50N 13.35E 2 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=41.7.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=45.0.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=50.0.
LDG Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=50.0.
ISC IV 09 21 20 52.7–.79 42.49N–.02 13.31E–.02 12–5 104 0-4
CSEM IV 09 21 20 52.6–.10 42.49N 13.30E 10 3.5L ¶14370362
ISCJB IV 09 21 20 52.2–.30 42.49N–.02 13.31E–.03 14–3 3.5L
ROM IV 09 21 20 52.5–.09 42.49N 13.32E 11–1 2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=35.6.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=122.0.
ISC IV 09 22 10 41.8–.77 42.39N–.02 13.31E–.02 11–5 136 0-7
ISCJB IV 09 22 10 41.1–.24 42.38N–.02 13.33E–.02 10–2 ¶12742123
ROM IV 09 22 10 41.1–.05 42.38N 13.33E 10–0 3.0L
CSEM IV 09 22 10 41.5–.13 42.38N 13.33E 2 3.5L
LDG IV 09 22 10 43.1–.20 42.34N 13.28E 2 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=146.3.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=53.0.
LDG Event type ke. Error ellipse: s-maj=7.1km s-min=4.8km az=38.0.
ROM IV 09 22 21 47.2–.14 42.52N 13.28E 10–1 2.0L
CSEM IV 09 22 21 47.2 42.52N 13.28E 10 2.0L ¶14839622
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.5km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 09 22 40 07.1–.68 42.49N–.01 13.28E–.01 12–4 3.7b 403 0-67
ISCJB IV 09 22 40 06.0–.18 42.50N–.01 13.26E–.01 13–1 3.7b ¶12578482
PRU IV 09 22 40 05.6 42.49N 13.14E 0 3.9
LDG IV 09 22 40 06.1–.10 42.52N 13.36E 2 3.4L
IDC IV 09 22 40 06.8–1.4 42.68N 13.27E 0 3.8,3.6
CSEM IV 09 22 40 06.3–.08 42.50N 13.26E 2 4.0L,3.9b
NEIC IV 09 22 40 06.0 42.48N 13.30E 11 3.9b,3.6L
ROM IV 09 22 40 06.1–.05 42.48N 13.31E 11–0 3.8L,3.6L
PDG IV 09 22 40 06.7–.70 42.51N 13.29E 9–0 3.7L,3.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=33.9.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=40.0.
IDC Error ellipse: s-maj=22.3km s-min=16.3km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=32.0.
NEIC Event type fe. Felt [III] at Ascoli Piceno, Rieti and Rome; [II] at Foligno, Frosinone, Gualdo Tadino, Macerata, Montesilvano, Spoleto, Sulmona and Terni. After ROM.
ROM Event type ke. Error ellipse: s-maj=0.4km s-min=0.3km az=174.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
ISC IV 10 03 22 23.3–.65 42.48N–.01 13.40E–.01 5–4 4.0b 475 0-83
ISCJB IV 10 03 22 22.0–.19 42.47N–.01 13.35E–.02 10–1 3.9b ¶12578488
BJI IV 10 03 22 21.0 42.50N 13.40E 5 4.8b,4.8b
CSEM IV 10 03 22 22.6–.07 42.47N 13.34E 2 4.4L,3.9b
ROM IV 10 03 22 22.2–.06 42.46N 13.42E 10–0 3.9L,3.9b
NEIC IV 10 03 22 22.0 42.47N 13.42E 9 4.0b,3.9W
PDG IV 10 03 22 23.0–1.4 42.52N 13.44E 4–2 3.9L,3.9W
LDG IV 10 03 22 23.2–.13 42.50N 13.44E 2 3.5L,3.9W

IDC IV 10 03 22 23.2–.99 42.60N 13.25E 0 3.8,3.7
PRU IV 10 03 22 23.1 42.49N 13.61E 1 4.0,3.7
THE IV 10 03 22 25.3 42.51N 13.36E 32–68 4.0,3.7
BEO IV 10 03 22 28.4–2.5 42.58N 13.44E 0 4.2L,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=40.4.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=40.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=73.0.
NEIC Event type fe. Felt [III] at Ascoli Piceno, Rieti and Sulmona; [II] at Avezzano, Cascia, Chieti, Foligno, Frosinone, Gualdo Tadino, Macerata, Montesilvano, Pescara, Rome, Spoleto, Spoltore and Terni. Also felt at Castelli. After ROM. Moment Tensor Solution. $M_0$8.30000×10^{14}
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.9km az=0.0.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.0km az=40.0.
IDC Error ellipse: s-maj=19.0km s-min=13.2km az=95.0.
THE Event type ke. Error ellipse: s-maj=68.3km s-min=6.1km az=0.0.
BEO Event type ke.
ROM IV 10 03 38 11.3–.12 42.41N 13.31E 14–2 1.4L
CSEM IV 10 03 38 11.3 42.41N 13.31E 14 1.4L **¶14839797**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=116.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 10 03 45 37.7–.09 42.25N 13.46E 10–1 1.9,1.4L
CSEM IV 10 03 45 37.7 42.25N 13.46E 10 1.9,1.4L **¶14839802**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=21.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 10 03 46 32.0–.11 42.45N 13.39E 10–1 2.1L
CSEM IV 10 03 46 32.0 42.45N 13.39E 10 2.1L **¶14839799**
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=64.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 10 04 02 19.1–.07 42.28N 13.50E 10–0 2.5L
CSEM IV 10 04 02 19.2–.08 42.28N 13.48E 12 3.1L **¶14839813**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=62.0.
ROM IV 10 04 07 38.5–.08 42.49N 13.34E 9–1 2.0,1.9L
CSEM IV 10 04 07 38.5 42.49N 13.34E 9 2.0,1.9L **¶14839815**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 10 04 33 05.1–.72 42.47N–.02 13.35E–.02 12–4 211 0-48
ISCJB IV 10 04 33 04.2–.21 42.46N–.02 13.36E–.02 12–1 3.3b **¶12578491**
CSEM IV 10 04 33 04.5–.09 42.45N 13.34E 5 3.9L
PDG IV 10 04 33 04.3–.32 42.48N 13.35E 11–1 3.3L
ROM IV 10 04 33 04.3–.05 42.45N 13.38E 11–0 3.3L
IDC IV 10 04 33 04.1–1.3 42.60N 13.23E 0 3.4,3.3
LDG IV 10 04 33 06.4–.65 42.44N 13.33E 2 2.9L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=25.4.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=32.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=2.1km az=0.0.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=58.0.
IDC Error ellipse: s-maj=47.0km s-min=14.0km az=99.0.
LDG Event type ke. Error ellipse: s-maj=12.9km s-min=9.5km az=106.0.
ISC IV 10 04 39 17.4–.76 42.45N–.02 13.42E–.02 11–4 131 0-48
ROM IV 10 04 39 16.6–.09 42.44N 13.41E 8–1 3.0L **¶12742141**
ISCJB IV 10 04 39 16.5–.25 42.44N–.02 13.40E–.03 14–2 3.1b
CSEM IV 10 04 39 16.9–.10 42.44N 13.40E 8 3.7L
IDC IV 10 04 39 18.2–1.9 42.62N 13.56E 0 3.2,3.1
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=146.8.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=63.0.
IDC Error ellipse: s-maj=36.3km s-min=19.2km az=85.0.
ROM IV 10 05 28 57.3–.07 42.36N 13.39E 8–0 1.8,1.6L
CSEM IV 10 05 28 57.3 42.36N 13.39E 8 1.8,1.6L **¶14839858**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=51.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 10 05 58 20.6–.04 42.25N 13.47E 9–0 2.2L
CSEM IV 10 05 58 20.6 42.25N 13.47E 9 2.2L **¶14839871**
ROM Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 10 06 19 44.9–.95 42.58N–.04 13.34E–.03 5–8 26 0-3
ROM IV 10 06 19 43.7–.13 42.58N 13.34E 9–1 1.8L **¶14839876**
CSEM IV 10 06 19 44.7–.29 42.58N 13.35E 2 1.8L
ISCJB IV 10 06 19 44.6–.73 42.56N–.05 13.34E–.05 8–6 1.8L
ISC Event type ke.
ROM Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 10 11 53 09.6–.77 42.25N–.02 13.49E–.02 12–4 134 0-8
ISCJB IV 10 11 53 09.2–.24 42.24N–.02 13.49E–.02 11–2 **¶12579300**
ROM IV 10 11 53 09.2–.07 42.24N 13.49E 10–0 3.2L
CSEM IV 10 11 53 09.6–.10 42.24N 13.49E 2 3.7L
LDG IV 10 11 53 13.2–.94 42.41N 13.37E 2 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=137.1.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=48.0.
LDG Event type ke. Error ellipse: s-maj=20.2km s-min=11.5km az=106.0.
ROM IV 10 13 09 12.6–.08 42.51N 13.34E 9–0 2.2,1.7L
CSEM IV 10 13 09 12.6 42.51N 13.34E 9 2.2,1.7L **¶14840029**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 10 14 45 39.5–.09 42.36N 13.38E 10–0 2.1,1.5L
CSEM IV 10 14 45 39.5 42.36N 13.38E 10 2.1,1.5L **¶14840068**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 10 15 22 44.2–.83 42.26N–.02 13.49E–.02 10–4 126 0-31
IDC IV 10 15 22 41.6–2.5 42.27N 14.52E 0 3.3,3.3 **¶12579695**
ISCJB IV 10 15 22 43.3–.24 42.25N–.02 13.49E–.02 12–2 3.1b,3.3
ROM IV 10 15 22 43.3–.06 42.25N 13.48E 10–0 3.3L,3.3
CSEM IV 10 15 22 43.7–.12 42.25N 13.50E 2 3.7L,3.3
LDG IV 10 15 22 48.1–.83 42.44N 13.32E 2 2.9L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=75.1km s-min=14.7km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=144.8.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=54.0.
LDG Event type ke. Error ellipse: s-maj=17.5km s-min=11.0km az=103.0.
ISC IV 10 15 46 18.2–.73 42.35N–.02 13.39E–.01 11–4 203 0-48
ISCJB IV 10 15 46 17.6–.21 42.35N–.02 13.39E–.02 9–2 3.5b **¶12579696**
CSEM IV 10 15 46 17.9–.10 42.34N 13.39E 5 4.2L
ROM IV 10 15 46 17.6–.06 42.35N 13.38E 10–0 3.5L
LDG IV 10 15 46 17.7–.12 42.34N 13.39E 2 3.0L
IDC IV 10 15 46 19.9–1.8 42.57N 13.45E 0 3.5,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=139.9.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=55.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=63.0.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=47.0.
IDC Error ellipse: s-maj=24.3km s-min=16.7km az=62.0.
ROM IV 10 18 25 22.5–.10 42.36N 13.41E 9–1 1.7L
CSEM IV 10 18 25 21.4–.37 42.38N 13.41E 27–3 2.1L **¶14840183**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=81.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=6.2km az=70.0.
ROM IV 10 19 06 22.5–.07 42.35N 13.49E 10–0 1.7L
CSEM IV 10 19 06 22.5 42.35N 13.49E 10 1.7L **¶16615042**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 10 19 07 21.0–.07 42.37N 13.40E 9–0 3.2L
CSEM IV 10 19 07 21.7–.12 42.36N 13.39E 2 2.7L **¶16194340**
LDG IV 10 19 07 24.8–.71 42.44N 13.33E 2 2.7L
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=54.0.
LDG Event type ke. Error ellipse: s-maj=14.4km s-min=9.8km az=102.0.
ISC IV 10 19 18 40.1–.78 42.35N–.02 13.36E–.02 13–4 131 0-21
ISCJB IV 10 19 18 39.5–.25 42.35N–.02 13.36E–.03 12–2 **¶12742149**
CSEM IV 10 19 18 39.9–.10 42.35N 13.36E 5 2.9L
ROM IV 10 19 18 39.7–.07 42.34N 13.36E 10–0 3.1L
IDC IV 10 19 18 40.6–2.5 42.45N 13.57E 0 3.3,3.2
LDG IV 10 19 18 42.2–.83 42.43N 13.32E 2 2.9L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.2km az=1.9.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=61.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=79.0.
IDC Error ellipse: s-maj=50.6km s-min=20.6km az=100.0.
LDG Event type ke. Error ellipse: s-maj=17.6km s-min=11.0km az=103.0.
ROM IV 10 20 32 42.6–.09 42.30N 13.48E 10–0 2.0,1.4L
CSEM IV 10 20 32 42.6 42.30N 13.48E 10 2.0,1.4L **¶14840224**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=22.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 10 20 33 39.1–.07 42.30N 13.50E 19–1 2.8,2.7L
CSEM IV 10 20 33 39.0–.07 42.29N 13.49E 20 3.1L,2.7L **¶14840227**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=76.0.
ROM IV 11 02 10 23.6–.10 42.37N 13.47E 9–1 1.9L
CSEM IV 11 02 10 23.6 42.37N 13.47E 9 1.9L **¶14840394**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 11 02 51 57.9–.10 42.46N 13.40E 10–1 2.2L
CSEM IV 11 02 51 57.9 42.46N 13.40E 10 2.2L **¶14840413**
ROM Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 11 03 06 28.7–.14 42.32N 13.43E 10–1 2.2,1.5L
CSEM IV 11 03 06 28.7 42.32N 13.43E 10 2.2,1.5L **¶14840417**
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=22.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 11 03 14 30.6–.63 42.40N–.02 13.38E–.02 13–3 161 0-7
ISCJB IV 11 03 14 30.0–.22 42.39N–.02 13.38E–.02 7–2 **¶12581806**
CSEM IV 11 03 14 30.2–.10 42.39N 13.40E 2 3.6L
ROM IV 11 03 14 30.2–.07 42.38N 13.40E 10–0 2.9L
LDG IV 11 03 14 33.2–.82 42.44N 13.33E 2 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=140.6.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=58.0.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=63.0.
LDG Event type ke. Error ellipse: s-maj=17.5km s-min=11.0km az=103.0.
ROM IV 11 03 23 50.7–.21 42.40N 13.42E 11–2 2.0,1.2L
CSEM IV 11 03 23 50.7 42.40N 13.42E 11 2.0,1.2L **¶14840421**
ROM Event type ke. Error ellipse: s-maj=5.0km s-min=2.7km az=115.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 11 03 24 38.9–.10 42.39N 13.37E 9–1 2.8,2.6L
CSEM IV 11 03 24 39.2–.14 42.40N 13.35E 2 3.1L,2.6L **¶14840424**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=73.0.
ROM IV 11 05 24 49.5–.12 42.37N 13.36E 12–2 1.7,1.3L
CSEM IV 11 05 24 49.5 42.37N 13.36E 12 1.7,1.3L **¶14840486**
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 11 05 39 01.4–.69 42.40N–.02 13.40E–.02 10–4 3.5b 300 0-67
BEO IV 11 05 38 59.4–.83 42.38N 13.26E 0 3.6L **¶12581808**
ROM IV 11 05 39 00.2–.07 42.39N 13.42E 11–0 3.3L
PRU IV 11 05 39 00.0 42.37N 13.18E 1 3.3L
PDG IV 11 05 39 00.6–.33 42.37N 13.36E 11–0 3.4L
LDG IV 11 05 39 00.4–.11 42.39N 13.44E 2 3.1L
CSEM IV 11 05 39 00.4–.08 42.38N 13.39E 2 3.8L
IDC IV 11 05 39 00.2–1.3 42.49N 13.22E 0 3.6,3.5
ISCJB IV 11 05 39 00.0–.21 42.39N–.01 13.40E–.02 9–1 3.5b,3.5
ISC Event type ke.
BEO Event type ke.
ROM Event type ke.
PDG Event type ke.
LDG Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ROM IV 11 06 07 49.0–.18 42.40N 13.30E 12–3 1.7,1.1L
CSEM IV 11 06 07 49.0 42.40N 13.30E 12 1.7,1.1L **¶14840503**
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=1.6km az=133.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 11 06 08 46.9–.15 42.59N 13.33E 8–2 1.5L,1.4
CSEM IV 11 06 08 46.9 42.59N 13.33E 8 1.4,1.4 **¶14840506**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=24.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 11 06 13 27.1–.78 42.47N–.02 13.40E–.02 11–4 151 0-7
ISCJB IV 11 06 13 26.7–.23 42.46N–.02 13.40E–.02 13–2 **¶12742170**
ROM IV 11 06 13 26.9–.07 42.47N 13.42E 8–0 3.1L
CSEM IV 11 06 13 27.2–.11 42.46N 13.40E 5 3.6L
LDG IV 11 06 13 28.2–.85 42.46N 13.36E 2 2.9L
PRU IV 11 06 13 28.5 42.44N 13.51E 1 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=137.7.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=67.0.
LDG Event type ke. Error ellipse: s-maj=18.1km s-min=11.1km az=98.0.
ROM IV 11 06 56 17.8–.07 42.25N 13.48E 10–0 1.9L
CSEM IV 11 06 56 17.8 42.25N 13.48E 10 1.9L **¶16505282**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 11 06 57 03.2–.71 42.40N–.01 13.40E–.02 11–4 219 0-48
BEO IV 11 06 57 00.3–.99 42.22N 13.14E 0 3.5L **¶16194344**
ROM IV 11 06 57 02.5–.08 42.39N 13.41E 10–0 3.2L
LDG IV 11 06 57 02.9–.12 42.38N 13.41E 2 3.2L
IDC IV 11 06 57 02.8–1.4 42.53N 13.27E 0 3.5,3.5L
CSEM IV 11 06 57 02.7–.08 42.39N 13.40E 2 3.8L,3.5L
ISCJB IV 11 06 57 02.3–.21 42.40N–.02 13.42E–.02 11–1 3.3b,3.5L
ISC Event type ke.
BEO Event type ke.
ROM Event type ke.
LDG Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 11 07 04 15.3–.72 42.40N–.01 13.40E–.02 10–4 3.4b 187 0-67
ROM IV 11 07 04 14.4–.08 42.38N 13.41E 10–1 3.3L **¶12581811**
ISCJB IV 11 07 04 14.2–.21 42.39N–.02 13.41E–.02 11–2 3.3b
IDC IV 11 07 04 14.6–1.4 42.52N 13.12E 0 3.6,3.6L
CSEM IV 11 07 04 14.6–.09 42.39N 13.42E 5 3.1L,3.6L
LDG IV 11 07 04 17.1–.93 42.42N 13.31E 2 3.1L,3.6L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=144.5.
IDC Error ellipse: s-maj=34.7km s-min=16.6km az=92.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=63.0.
LDG Event type ke. Error ellipse: s-maj=20.5km s-min=10.9km az=98.0.
ISC IV 11 07 09 30.9–.78 42.33N–.02 13.40E–.02 10–4 105 0-3
ROM IV 11 07 09 30.6–.07 42.34N 13.40E 9–0 2.8,2.8L **¶14840528**
CSEM IV 11 07 09 30.7–.10 42.34N 13.39E 10 3.7L,2.8L
ISCJB IV 11 07 09 30.4–.32 42.34N–.02 13.39E–.03 13–3 3.7L,2.8L
ISC Event type ke.
ROM Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ROM IV 11 09 18 48.4–.09 42.45N 13.42E 9–1 2.4L
CSEM IV 11 09 18 48.4 42.45N 13.42E 9 2.4L **¶14840577**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=74.0.

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 11 12 28 40.1–.66 42.41N–.02 13.40E–.02 11–4 146 0-39
ISCJB IV 11 12 28 39.4–.23 42.40N–.02 13.40E–.03 11–2 3.3b,3.3s ¶12742180
ROM IV 11 12 28 39.5–.07 42.38N 13.40E 10–0 3.0L,3.3s
CSEM IV 11 12 28 39.7–.10 42.40N 13.40E 2 3.6L,3.3s
IDC IV 11 12 28 41.2–1.8 42.54N 13.52E 0 3.4,3.4s
LDG IV 11 12 28 42.4–.76 42.43N 13.33E 2 2.9L,3.4s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=153.6.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=67.0.
IDC Error ellipse: s-maj=70.9km s-min=14.3km az=99.0.
LDG Event type ke. Error ellipse: s-maj=16.0km s-min=9.9km az=100.0.
LDG IV 11 13 56 05.3–1.9 42.46N 13.24E 2 2.9L
CSEM IV 11 13 56 01.9–.10 42.40N 13.35E 2 3.4L ¶12581873
LDG Event type ke. Error ellipse: s-maj=43.6km s-min=15.5km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=56.0.
ROM IV 11 13 57 03.1–.08 42.31N 13.38E 9–0 2.8L
CSEM IV 11 13 57 03.1 42.31N 13.38E 9 2.8L ¶16615046
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 11 14 55 43.9–.13 42.30N 13.47E 9–1 1.4L
CSEM IV 11 14 55 43.9 42.30N 13.47E 9 1.4L ¶14840714
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=1.4km az=22.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 11 15 41 51.6–.07 42.30N 13.47E 10–0 2.1,1.9L
CSEM IV 11 15 41 51.6 42.30N 13.47E 10 2.1,1.9L ¶16505284
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=48.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 11 15 42 29.9–.79 42.53N–.02 13.32E–.02 10–5 143 0-7
ROM IV 11 15 42 29.2–.08 42.52N 13.32E 8–1 3.2L ¶16194346
ISCJB IV 11 15 42 29.2–.25 42.53N–.02 13.32E–.02 12–2 3.2L
CSEM IV 11 15 42 29.7–.10 42.53N 13.31E 5 3.7L
LDG IV 11 15 42 30.0–.86 42.44N 13.37E 2 3.2L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=135.9.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=63.0.
LDG Event type ke. Error ellipse: s-maj=18.9km s-min=10.1km az=98.0.
ROM IV 11 17 43 19.8–.18 42.47N 13.37E 9–1 1.9,1.9L
CSEM IV 11 17 43 19.8 42.47N 13.37E 9 1.9,1.9L ¶13903787
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 11 17 43 45.8–.18 42.29N 13.51E 6–2 1.5
CSEM IV 11 17 43 45.8 42.29N 13.51E 6 1.5 ¶16615047
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 11 19 53 54.9–.80 42.34N–.02 13.53E–.02 8–5 139 0-48
ROM IV 11 19 53 53.9–.07 42.34N 13.51E 10–0 3.2,3.0L ¶12581884
CSEM IV 11 19 53 54.4–.12 42.32N 13.53E 2 3.4L,3.0L
ISCJB IV 11 19 53 54.1–.23 42.33N–.02 13.52E–.02 9–2 3.4b,3.0L
IDC IV 11 19 53 55.5–2.0 42.46N 13.74E 0 3.2,3.2b
LDG IV 11 19 53 59.2–1.3 42.44N 13.32E 2 2.7L,3.2b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=55.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=141.2.
IDC Error ellipse: s-maj=37.4km s-min=20.0km az=87.0.
LDG Event type ke. Error ellipse: s-maj=30.4km s-min=11.8km az=104.0.
ISC IV 11 20 22 04.5–.55 42.26N–.01 13.46E–.02 10–4 132 0-8
ISCJB IV 11 20 22 04.0–.24 42.26N–.02 13.47E–.02 14–2 ¶12582044
CSEM IV 11 20 22 04.5–.11 42.26N 13.47E 2 3.5L
ROM IV 11 20 22 04.1–.07 42.26N 13.47E 10–0 2.9L
LDG IV 11 20 22 08.7–.45 42.42N 13.32E 2 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=153.4.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=54.0.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=86.0.
LDG Event type ke. Error ellipse: s-maj=9.8km s-min=5.0km az=105.0.
ROM IV 11 20 22 44.0–.08 42.26N 13.47E 10–0 2.2L
CSEM IV 11 20 22 44.0 42.26N 13.47E 10 2.2L ¶16505285
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=105.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 11 22 30 57.3–.15 42.45N 13.44E 8–1 1.7L
CSEM IV 11 22 30 57.3 42.45N 13.44E 8 1.7L ¶14840918
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=130.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 12 02 24 16.5–.09 42.28N 13.50E 8–1 2.9,2.4L
CSEM IV 12 02 24 16.9–.11 42.28N 13.49E 2 2.9,2.4L ¶14841020
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=56.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=64.0.
ROM IV 12 04 37 09.2–.09 42.28N 13.51E 10–0 1.4L
CSEM IV 12 04 37 09.2 42.28N 13.51E 10 1.4L ¶14841080
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=48.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 12 07 11 43.5–.08 42.26N 13.48E 10–0 2.5,2.1L
CSEM IV 12 07 11 43.5–.10 42.26N 13.47E 15 2.6L,2.1L ¶14841142
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=69.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=67.0.
ROM IV 12 09 48 21.6–.05 42.28N 13.48E 10–0 2.4L
CSEM IV 12 09 48 21.6 42.28N 13.48E 10 2.4L ¶16505286
ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 12 09 49 00.3–.74 42.36N–.01 13.38E–.02 7–4 3.3b 217 0-72
CSEM IV 12 09 48 59.8–.10 42.35N 13.36E 2 3.3L ¶16194358
ISCJB IV 12 09 48 59.2–.21 42.37N–.01 13.39E–.02 9–1 3.2b
ROM IV 12 09 48 59.1–.07 42.35N 13.39E 10–0 3.5L
BEO IV 12 09 48 59.5–.83 42.38N 13.22E 0 3.5L
IDC IV 12 09 49 00.3–1.0 42.47N 13.48E 0 3.5,3.4
LDG IV 12 09 49 02.4–.93 42.45N 13.34E 2 3.3L,3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=42.4.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=64.0.
BEO Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=13.1km az=96.0.
LDG Event type ke. Error ellipse: s-maj=20.5km s-min=10.3km az=104.0.
ROM IV 12 11 40 06.3–.20 42.53N 13.39E 10–1 1.6,1.3L
CSEM IV 12 11 40 06.3 42.53N 13.39E 10 1.6,1.3L ¶14841229
ROM Event type ke. Error ellipse: s-maj=4.0km s-min=1.4km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 12 14 47 57.9–.10 42.31N 13.48E 10–0 2.4,1.6L
CSEM IV 12 14 47 57.9 42.31N 13.48E 10 2.4,1.6L ¶14841308
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 12 16 21 10.4–.08 42.27N 13.49E 11–0 2.1,1.6L
CSEM IV 12 16 21 10.4 42.27N 13.49E 11 2.1,1.6L ¶14841325
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 12 16 30 44.4–.11 42.39N 13.38E 9–1 2.0L
CSEM IV 12 16 30 44.4 42.39N 13.38E 9 2.0L ¶14841330
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 12 16 35 53.8–.07 42.51N 13.37E 9–0 3.1L
LDG IV 12 16 35 54.0–1.2 42.43N 13.55E 2 3.1L ¶12582088
CSEM IV 12 16 35 54.2–.09 42.51N 13.36E 2 3.4L
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=61.0.
LDG Event type ke. Error ellipse: s-maj=26.9km s-min=13.0km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=64.0.
ISC IV 12 18 05 17.7–.74 42.40N–.02 13.40E–.02 8–4 185 0-48
ROM IV 12 18 05 16.8–.07 42.38N 13.39E 9–0 3.3L ¶12582094
ISCJB IV 12 18 05 16.9–.21 42.39N–.02 13.39E–.02 10–2 3.2b
CSEM IV 12 18 05 17.4–.11 42.38N 13.37E 2 3.8L
LDG IV 12 18 05 17.4–.16 42.35N 13.45E 2 3.1L
PRU IV 12 18 05 17.8 42.40N 13.40E 0 3.1L
IDC IV 12 18 05 18.8–1.9 42.63N 13.72E 0 3.3,3.2
BEO IV 12 18 05 18.5–1.1 42.23N 13.42E 0 3.4L,3.2
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=41.3.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=50.0.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=57.0.
IDC Error ellipse: s-maj=35.0km s-min=18.9km az=85.0.
BEO Event type ke.
ISC IV 12 22 21 58.0–.73 42.35N–.02 13.44E–.02 18–4 117 0-31
IDC IV 12 22 21 56.1–1.8 42.43N 13.49E 0 3.4,3.4b ¶12582168
CSEM IV 12 22 21 57.6–.13 42.34N 13.43E 10 3.1L,3.4b
ISCJB IV 12 22 21 57.3–.28 42.34N–.02 13.45E–.03 21–2 3.2b,3.4b
ROM IV 12 22 21 57.2–.08 42.34N 13.44E 18–1 2.9L,3.4b
LDG IV 12 22 21 59.8–.99 42.44N 13.30E 2 2.6L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=54.2km s-min=15.7km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=153.9.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=78.0.
LDG Event type ke. Error ellipse: s-maj=21.3km s-min=12.1km az=106.0.
ROM IV 13 01 00 45.1–.07 42.32N 13.46E 10–0 2.7L
CSEM IV 13 01 00 45.1 42.32N 13.46E 10 2.7L ¶16535714
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 13 01 01 44.7–.76 42.26N–.02 13.50E–.02 13–4 128 0-8
ROM IV 13 01 01 44.4–.07 42.24N 13.50E 9–0 3.1L ¶12582171
CSEM IV 13 01 01 44.8–.12 42.24N 13.50E 10 3.5L
ISCJB IV 13 01 01 44.4–.25 42.24N–.02 13.51E–.03 14–2 3.5L
LDG IV 13 01 01 48.6–.79 42.44N 13.33E 2 2.8L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=162.6.
LDG Event type ke. Error ellipse: s-maj=16.7km s-min=10.2km az=98.0.
ROM IV 13 05 33 01.7–.11 42.36N 13.42E 17–1 2.0L
CSEM IV 13 05 33 01.7 42.36N 13.42E 17 2.0L ¶14841584
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 13 07 08 30.0–.06 42.26N 13.48E 9–0 3.0L
CSEM IV 13 07 08 30.3–.08 42.26N 13.47E 10 3.5L ¶12582184
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=69.0.
ROM IV 13 07 29 50.5–.08 42.45N 13.43E 9–0 2.0L,1.9
CSEM IV 13 07 29 50.5 42.45N 13.43E 9 1.9,1.9 ¶12582185
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 13 07 30 30.9–.07 42.38N 13.36E 11–0 2.1,1.9L
CSEM IV 13 07 30 30.9 42.38N 13.36E 11 2.1,1.9L ¶16615049
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=84.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 13 08 41 09.2–.85 42.27N–.02 13.51E–.02 7–5 131 0-8
ROM IV 13 08 41 08.2–.08 42.27N 13.50E 10–0 3.0L ¶12582186
ISCJB IV 13 08 41 08.2–.24 42.26N–.02 13.50E–.02 9–2 3.0L
CSEM IV 13 08 41 08.6–.10 42.26N 13.51E 2 3.6L
LDG IV 13 08 41 13.9–1.6 42.46N 13.28E 2 2.8L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=145.9.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=55.0.
LDG Event type ke. Error ellipse: s-maj=36.2km s-min=12.9km az=108.0.
ISC IV 13 13 36 06.1–.74 42.46N–.02 13.43E–.02 8–4 3.8b 244 0-67
BEO IV 13 13 35 52.8–4.4 41.70N 12.31E 0 4.3L ¶12582359
ROM IV 13 13 36 05.0–.07 42.45N 13.46E 9–0 3.6L
IDC IV 13 13 36 05.3–1.2 42.56N 13.29E 0 3.7,3.6
CSEM IV 13 13 36 05.5–.07 42.45N 13.41E 2 3.3L,3.6
PDG IV 13 13 36 05.5–.31 42.46N 13.42E 11–1 3.7L,3.6
ISCJB IV 13 13 36 05.1–.21 42.46N–.01 13.43E–.02 8–2 3.6b,3.6
PRU IV 13 13 36 06.1 42.51N 13.40E 0 3.6b,3.6
LDG IV 13 13 36 07.7–.97 42.46N 13.36E 2 3.3L,3.6
ISC Event type ke.
BEO Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=66.0.
IDC Error ellipse: s-maj=22.2km s-min=15.0km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=32.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=2.1km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=34.5.
LDG Event type ke. Error ellipse: s-maj=21.3km s-min=11.3km az=98.0.
ISC IV 13 19 09 50.6–.70 42.38N–.02 13.33E–.02 10–4 3.9b 358 0-67
ISCJB IV 13 19 09 49.2–.20 42.36N–.01 13.33E–.02 10–1 3.7b ¶12582403
IDC IV 13 19 09 49.4–.97 42.54N 13.14E 0 3.7,3.6
LDG IV 13 19 09 49.5–.11 42.37N 13.38E 2 3.5L,3.6
CSEM IV 13 19 09 49.7–.09 42.35N 13.32E 2 4.3L,3.6
ROM IV 13 19 09 49.4–.06 42.35N 13.35E 10–0 3.8L,3.6
PDG IV 13 19 09 50.3–.72 42.37N 13.34E 7–0 3.7L,3.6
PRU IV 13 19 09 51.0 42.42N 13.48E 0 3.7L,3.6
BEO IV 13 19 09 51.4–.86 42.38N 13.38E 0 4.0L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=29.5.
IDC Error ellipse: s-maj=16.8km s-min=12.1km az=93.0.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=27.0.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=75.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
BEO Event type ke.
ISC IV 13 19 17 58.3–.73 42.37N–.02 13.33E–.02 11–4 3.5b 197 0-48
IDC IV 13 19 17 58.0–1.2 42.44N 13.45E 0 3.4,3.4b ¶12582404
ISCJB IV 13 19 17 57.5–.22 42.35N–.02 13.34E–.02 12–1 3.5b,3.4b
CSEM IV 13 19 17 57.8–.10 42.36N 13.32E 2 3.9L,3.4b
ROM IV 13 19 17 57.5–.07 42.35N 13.34E 10–0 3.5L,3.4b
LDG IV 13 19 17 59.9–1.1 42.46N 13.31E 2 3.2L,3.4b
PRU IV 13 19 17 59.0 42.41N 13.43E 1 3.2L,3.4b
BEO IV 13 19 18 01.4–1.3 42.49N 13.50E 0 3.6L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=13.9km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=136.1.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=48.0.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=79.0.
LDG Event type ke. Error ellipse: s-maj=24.1km s-min=11.3km az=101.0.
BEO Event type ke.
ISC IV 13 21 14 26.6–.34 42.51N–.01 13.37E–.01 13–1 4.9b,4.5s 1649 0-156
STR IV 13 21 14 13.2–4.0 41.92N 14.53E 10 4.9L,4.5s ¶13438490
BJI IV 13 21 14 22.9 42.74N 12.96E 12 5.3b,5.1s
ISCJB IV 13 21 14 23.8–.22 42.573N–.01 13.395E–.01 1–1 4.8b,4.5s
CRAAG IV 13 21 14 23.9 42.55N 13.42E 4.9L,4.5s
ROM IV 13 21 14 24.4–.07 42.50N 13.38E 9–0 5.0L,4.5s
LDG IV 13 21 14 24.5–.16 42.54N 13.36E 2 4.9L,4.5s
IDC IV 13 21 14 24.4–.44 42.56N 13.36E 0 4.6,4.6
PDG IV 13 21 14 24.6–.60 42.55N 13.37E 6–1 4.8,4.7L
NEIC IV 13 21 14 24.0 42.50N 13.36E 8 5.1W,4.9b
PRU IV 13 21 14 24.9 42.54N 13.21E 0 4.9,4.9b
CSEM IV 13 21 14 25.1–.06 42.53N 13.35E 2 5.1W,5.0s
BEO IV 13 21 14 25.0–.61 42.75N 13.01E 14–11 5.1L,5.0s
MOS IV 13 21 14 25.3–.96 42.61N 13.35E 16 5.1b,4.3s
SFS IV 13 21 14 26.0 42.59N 13.40E 5 5.0L,4.3s
GCMT IV 13 21 14 29.7–.20 42.52N 13.21E 12 5.0W,4.3s
ISC Event type fe.

STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.2km az=15.8.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=46.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=3.0.
IDC Error ellipse: s-maj=9.2km s-min=8.2km az=159.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
NEIC Event type fe. Felt [V] at Amatrice, Anagni, Castiglione Messer Raimondo, Colledara, L'Aquila, Magliano de' Marsi, Montegiorgio and Todi; [IV] at Ascoli Piceno, Bellante, Campli, Cheti, Citta Sant' Angelo, Fabriano, Fermo, Folignano, Foligno, Giulianova, Grottammare, Macerata, Montesilvano, Montorio al Vomano, Narni, Norcia, Perugia, Pratola Peligna, Rieti, Rome, Roseto degli Abruzzi, San Benedetto del Tronto, Spoleto, Teramo, Terni, Tolentino, Vasto and Viterbo; [III] at Alba Adriatica, Ancona, Avezzano, Castelfidardo, Cepaggati, Francavilla al Mare, Guidonia Montecelio, Jesi, Martinsicuro, Monteprandone, Monterotondo, Pescara, Sant' Egidio alla Vibrata and Sulmona. Felt throughout central Italy and from southern Veneto to Basilicata. After ROM. Moment Tensor Solution. $M_0$5.70000×10^{16}
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=15.0.
BEO Event type ke.
MOS Error ellipse: s-maj=3.5km s-min=2.5km az=104.7.
SFS Event type ke.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s41,c58; s89,c151; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.08±.08 $M_{\theta\theta}$1.55±.08; $M_{\phi\phi}$2.52±.08; $M_{r\theta}$-1.61±.27; $M_{\theta\phi}$-1.98±.06; $M_{\phi r}$0.43±.26; Best double couple: NP1:ϕ_s334.00000°,δ37.00000°,λ-70.00000°. NP2:ϕ_s129.00000°,δ55.00000°,λ-105.00000°. Principal axes: T 4.2900,Plg9.0000° ,Azm230.0000°; N 0.2100,Plg12.0000°,Azm138.0000°; P -4.5100,Plg75.0000° ,Azm357.0000° $M_0$4.40000×10^{16}

ROM IV 14 00 45 42.7–.08 42.54N 13.31E 10–0 2.5L
CSEM IV 14 00 45 42.7 42.54N 13.31E 10 2.5L **¶12582567**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 00 46 39.5–.11 42.54N 13.30E 11–1 2.4L
CSEM IV 14 00 46 39.5 42.54N 13.30E 11 2.4L **¶16615050**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 01 42 03.6–.08 42.52N 13.34E 10–0 1.8,1.6L
CSEM IV 14 01 42 03.6 42.52N 13.34E 10 1.8,1.6L **¶14841932**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=13.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 01 42 40.2–.09 42.50N 13.39E 9–0 1.9,1.9L
CSEM IV 14 01 42 40.2 42.50N 13.39E 9 1.9,1.9L **¶14841935**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=69.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 05 41 49.3–.52 42.35N 13.50E 8–7 1.5L
CSEM IV 14 05 41 49.3 42.35N 13.50E 8 1.5L **¶14842020**
ROM Event type ke. Error ellipse: s-maj=13.8km s-min=2.3km az=38.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 05 42 18.0–.13 42.39N 13.37E 8–1 2.1L
CSEM IV 14 05 42 18.0 42.39N 13.37E 8 2.1L **¶14842024**
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=163.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 06 15 32.8–.06 42.31N 13.48E 9–0 2.7,2.6L
CSEM IV 14 06 15 32.8 42.31N 13.48E 9 2.7,2.6L **¶12582634**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 07 03 44.6–.06 42.28N 13.50E 10–0 2.4L
CSEM IV 14 07 03 44.6 42.28N 13.50E 10 2.4L **¶16194423**
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 07 04 22.8–.05 42.27N 13.49E 14–1 2.8L,2.7
CSEM IV 14 07 04 22.8 42.27N 13.49E 14 2.7,2.7 **¶16596233**
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 14 07 36 45.2–.93 42.49N–.02 13.38E–.02 8–5 104 0-3
ROM IV 14 07 36 44.5–.07 42.50N 13.40E 10–0 2.9L **¶12582637**
ISCJB IV 14 07 36 44.3–.31 42.49N–.02 13.37E–.03 13–3 2.9L
CSEM IV 14 07 36 44.6–.09 42.49N 13.36E 10 3.5L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=146.3.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=63.0.
ISC IV 14 09 08 07.7–.83 42.25N–.02 13.48E–.02 10–5 115 0-8
ROM IV 14 09 08 06.9–.08 42.25N 13.47E 10–1 3.1L **¶12582975**
CSEM IV 14 09 08 07.4–.11 42.25N 13.49E 2 3.5L
LDG IV 14 09 08 11.2–1.0 42.43N 13.35E 2 2.8L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=55.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=53.0.
LDG Event type ke. Error ellipse: s-maj=22.5km s-min=12.3km az=114.0.
ROM IV 14 13 06 29.6–.39 42.32N 13.33E 8–4 1.6
CSEM IV 14 13 06 29.6 42.32N 13.33E 8 1.6 **¶14842146**
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.3km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 13 07 00.5–.11 42.25N 13.47E 9–1 1.7,1.5L
CSEM IV 14 13 07 00.5 42.25N 13.47E 9 1.7,1.5L **¶14842149**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=163.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 14 13 56 22.5–.71 42.55N–.01 13.31E–.01 8–4 3.8b 540 0-88
ISCJB IV 14 13 56 21.0–.19 42.55N–.01 13.28E–.01 10–1 3.7b,3.6s **¶12583053**
CSEM IV 14 13 56 21.6–.08 42.55N 13.26E 2 4.2L,3.9b
ROM IV 14 13 56 21.2–.06 42.54N 13.32E 10–0 4.0L,3.9b
LDG IV 14 13 56 21.5–.14 42.54N 13.35E 2 3.7L,3.9b
PDG IV 14 13 56 21.8–.75 42.56N 13.33E 5–1 4.0L,3.9b
MOS IV 14 13 56 21.3–1.2 42.58N 13.28E 13 4.0b,3.9b
NEIC IV 14 13 56 21.0 42.54N 13.31E 10 3.9L,3.9L
IDC IV 14 13 56 21.6–.80 42.64N 13.12E 0 3.9,3.8
BEO IV 14 13 56 22.6–.83 42.60N 13.33E 0 4.1L,3.8
PRU IV 14 13 56 22.6 42.53N 13.56E 3 4.1L,3.8
STR IV 14 13 56 23.9–1.0 42.65N 13.24E 5 4.1L,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.6km az=33.5.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=39.0.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=49.0.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=43.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
MOS Error ellipse: s-maj=6.6km s-min=4.6km az=101.2.
NEIC Event type fe. Felt [III] at Ascoli Piceno, Folignano, Montorio al Vomano, Teramo and Torricella; [II] at Ancona, Cassino, Chieti, Foligno, Latina, Pescara, Rieti, Rome, Sulmona and Terni. Felt in Abruzzo, Lazio, Marche and Umbria. After ROM.
IDC Error ellipse: s-maj=15.5km s-min=12.3km az=104.0.
BEO Event type ke.
STR Event type ke.
ROM IV 14 14 08 12.2–.14 42.58N 13.33E 8–2 1.7,1.3L
CSEM IV 14 14 08 12.2 42.58N 13.33E 8 1.7,1.3L **¶14842171**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 14 08 35.0–.14 42.52N 13.36E 12–2 1.6,1.5L
CSEM IV 14 14 08 35.0 42.52N 13.36E 12 1.6,1.5L **¶14842168**
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=159.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 14 39 27.6–.09 42.34N 13.53E 9–0 2.1L
CSEM IV 14 14 39 27.6 42.34N 13.53E 9 2.1L **¶14842176**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 15 32 25.9–.06 42.58N 13.32E 8–0 1.7,1.5L
CSEM IV 14 15 32 25.9 42.58N 13.32E 8 1.7,1.5L **¶14842192**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=21.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 15 33 19.3–.08 42.25N 13.48E 10–0 2.0L
CSEM IV 14 15 33 19.3 42.25N 13.48E 10 2.0L **¶14842195**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=78.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 16 00 39.6–.10 42.44N 13.31E 11–0 1.8
CSEM IV 14 16 00 39.6 42.44N 13.31E 11 1.8 **¶16194433**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 16 01 06.8–.08 42.35N 13.49E 8–1 2.6L
CSEM IV 14 16 01 06.8 42.35N 13.49E 8 2.6L **¶16596234**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 17 27 18.2–.08 42.53N 13.33E 10–0 2.6L
CSEM IV 14 17 27 18.2 42.53N 13.33E 10 2.6L **¶16505287**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 14 17 27 31.7–.75 42.58N–.02 13.32E–.02 8–5 3.8b 316 0-75
STR IV 14 17 27 15.6–.00 41.91N 14.79E 10 3.8L **¶12583062**
IDC IV 14 17 27 30.6–1.1 42.63N 13.06E 0 3.7,3.6
ROM IV 14 17 27 30.6–.10 42.53N 13.31E 8–1 3.6L,3.6
ISCJB IV 14 17 27 30.6–.23 42.56N–.02 13.26E–.02 13–1 3.6b,3.6
CSEM IV 14 17 27 31.6–.10 42.55N 13.27E 5 3.8L,3.6
LDG IV 14 17 27 32.4–.29 42.61N 13.36E 2 3.8L,3.6
PRU IV 14 17 27 32.1 42.56N 13.76E 3 3.8L,3.6
PDG IV 14 17 27 33.2–.20 42.62N 13.30E 21–2 3.6L,3.6
BEO IV 14 17 27 33.4–1.0 42.32N 13.41E 0 3.9L,3.6
ISC Event type ke.
STR Event type ke.
IDC Error ellipse: s-maj=21.3km s-min=14.6km az=80.0.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=18.4.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=18.0.
LDG Event type ke. Error ellipse: s-maj=7.9km s-min=5.2km az=6.0.
PDG Event type ke. Error ellipse: s-maj=2.0km s-min=3.7km az=0.0.
BEO Event type ke.
ISC IV 14 19 28 03.8–.75 42.55N–.02 13.29E–.02 11–4 3.6b 208 0-67
LDG IV 14 19 28 02.9–.19 42.55N 13.31E 2 3.3L **¶12583067**
ROM IV 14 19 28 02.8–.08 42.54N 13.29E 10–0 3.5L
CSEM IV 14 19 28 03.1–.09 42.53N 13.27E 5 3.3L
ISCJB IV 14 19 28 03.0–.23 42.55N–.02 13.30E–.02 15–3 3.6b
IDC IV 14 19 28 04.0–1.5 42.73N 13.00E 0 3.5,3.4
BEO IV 14 19 28 05.7–1.1 42.58N 13.38E 0 3.5L,3.4
PRU IV 14 19 28 05.8 42.66N 13.62E 0 3.5L,3.4
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=58.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=26.7.
IDC Error ellipse: s-maj=23.1km s-min=16.7km az=74.0.
BEO Event type ke.
ROM IV 14 19 47 58.4–.08 42.53N 13.33E 9–0 2.1L
CSEM IV 14 19 47 58.4 42.53N 13.33E 9 2.1L **¶14842286**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=63.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 14 20 17 28.2–.68 42.54N–.01 13.28E–.01 10–4 3.7b 576 0-75
STR IV 14 20 16 49.3–.00 40.80N 16.46E 5 3.9L **¶12583389**
ISCJB IV 14 20 17 26.9–.18 42.56N–.01 13.25E–.01 12–1 3.6b,3.3s
IDC IV 14 20 17 26.8–.85 42.61N 13.26E 0 3.8,3.7L
NEIC IV 14 20 17 27.0 42.53N 13.29E 10 4.1L,4.1L
BEO IV 14 20 17 27.9–.87 42.50N 13.22E 0 4.1L,4.1L
CSEM IV 14 20 17 27.5–.07 42.55N 13.24E 2 4.3L,4.0W
LDG IV 14 20 17 27.0–.11 42.57N 13.30E 2 3.8L,4.0W
ROM IV 14 20 17 27.1–.07 42.53N 13.30E 10–0 4.1L,4.0W
PDG IV 14 20 17 27.9–.77 42.56N 13.25E 11–1 4.0L,4.0W
PRU IV 14 20 17 28.3 42.57N 13.59E 0 4.0L,4.0W
THE IV 14 20 17 36.1 42.64N 13.90E 32–76 4.1L,4.0W
ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=31.6.
IDC Error ellipse: s-maj=15.1km s-min=11.9km az=86.0.
NEIC Event type fe. Felt [IV] at Castignano, Civitella del Tronto, Comunanza and Leonessa; [III] at Ascoli Piceno, Chieti, Folignano, Foligno, Guidonia Montecelio, Montesilvano, Montorio al Vomano, Narni, Rieti, Teramo, Terni and Tolentino; [II] at Ancona, Macerata, Pescara, Rome and Sulmona. Felt in most of Abruzzo, Lazio, Marche and Umbria and in parts of Campania and Molise. After ROM. Moment Tensor Solution. $M_0$1.30000×10^{15}
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=29.0.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=49.0.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=52.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
THE Event type ke. Error ellipse: s-maj=76.6km s-min=4.8km az=0.0.
ROM IV 14 20 18 21.8–.09 42.55N 13.32E 11–1 2.3L
CSEM IV 14 20 18 21.8 42.55N 13.32E 11 2.3L **¶16505288**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 14 20 30 27.4–.83 42.54N–.02 13.32E–.02 9–5 118 0-7
ROM IV 14 20 30 26.7–.08 42.53N 13.31E 9–0 2.8L **¶12583390**
ISCJB IV 14 20 30 26.7–.26 42.53N–.02 13.31E–.02 12–3 2.8L
CSEM IV 14 20 30 27.1–.10 42.53N 13.30E 5 3.3L
PRU IV 14 20 30 28.7 42.44N 13.60E 0 3.3L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=141.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=63.0.
ROM IV 14 20 31 25.0–.05 42.55N 13.31E 11–1 1.9L
¶16718246
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=18.0.
ISC IV 14 20 53 10.1–.81 42.54N–.02 13.29E–.02 10–5 144 0-31
IDC IV 14 20 53 09.5–1.3 42.64N 13.60E 0 3.3,3.2 **¶12583392**
ISCJB IV 14 20 53 09.0–.24 42.53N–.02 13.30E–.02 14–2 3.0b,3.2
ROM IV 14 20 53 09.0–.08 42.54N 13.29E 10–0 3.1L,3.2
CSEM IV 14 20 53 09.6–.12 42.53N 13.28E 5 3.3L,3.2
LDG IV 14 20 53 09.9–.88 42.44N 13.34E 2 3.1L,3.2
BEO IV 14 20 53 14.2–1.3 42.64N 13.49E 0 3.4L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=13.6km az=102.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=27.9.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=45.0.
LDG Event type ke. Error ellipse: s-maj=18.8km s-min=10.7km az=102.0.
BEO Event type ke.
ROM IV 14 23 35 26.7–.07 42.27N 13.48E 10–0 2.4,1.8L
CSEM IV 14 23 35 26.7 42.27N 13.48E 10 2.4,1.8L **¶14842375**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 14 23 47 07.0–.11 42.35N 13.48E 10–1 2.1,1.5L
CSEM IV 14 23 47 07.0 42.35N 13.48E 10 2.1,1.5L **¶14842379**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 15 07 19 24.3–.22 42.59N 13.34E 8–2 1.5L
CSEM IV 15 07 19 24.3 42.59N 13.34E 8 1.5L **¶14842559**
ROM Event type ke. Error ellipse: s-maj=4.9km s-min=1.1km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 15 07 34 08.0–.11 42.37N 13.41E 9–0 1.7,1.3L
CSEM IV 15 07 34 08.0 42.37N 13.41E 9 1.7,1.3L **¶14842566**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=155.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 15 07 35 03.3–.10 42.48N 13.40E 12–2 1.9L,1.7
CSEM IV 15 07 35 03.3 42.48N 13.40E 12 1.7,1.7 **¶14842570**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 15 07 44 04.3–.22 42.58N 13.30E 11 1.3L
CSEM IV 15 07 44 04.3 42.58N 13.30E 11 1.3L **¶14842576**
ROM Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=7.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 15 10 12 33.0–.08 42.33N 13.45E 10–0 2.0,1.7L

CSEM IV 15 10 12 33.0 42.33N 13.45E 10 2.0,1.7L ¶14842628
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 15 10 26 06.6–.15 42.43N 13.27E 6–3 1.6,1.1L
¶14842635
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=131.0.
ISC IV 15 11 44 40.6–.64 42.30N–.02 13.52E–.02 16–4 114 0-8
CSEM IV 15 11 44 40.9–.12 42.29N 13.48E 2 3.6L ¶12590220
ISCJB IV 15 11 44 40.4–.28 42.29N–.02 13.48E–.03 14–3 3.6L
ROM IV 15 11 44 40.6–.08 42.28N 13.47E 10–0 3.0L
LDG IV 15 11 44 44.5–.93 42.46N 13.36E 2 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=153.7.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=53.0.
LDG Event type ke. Error ellipse: s-maj=19.8km s-min=12.2km az=112.0.
ROM IV 15 14 10 02.0–.09 42.27N 13.50E 10–0 1.8,1.5L
CSEM IV 15 14 10 02.0 42.27N 13.50E 10 1.8,1.5L ¶14842723
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 15 17 44 13.8–.15 42.35N 13.50E 8 1.8,1.1L
CSEM IV 15 17 44 13.8 42.35N 13.50E 8 1.8,1.1L ¶14842784
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=146.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 15 19 36 45.2–.73 42.53N–.01 13.31E–.01 14–4 214 0-9
ROM IV 15 19 36 44.9–.08 42.51N 13.31E 10–0 3.2L ¶12590738
BEO IV 15 19 36 44.8–1.1 42.67N 13.15E 0 3.4L
CSEM IV 15 19 36 45.1–.08 42.51N 13.30E 8 3.6L
PRU IV 15 19 36 45.5 42.55N 13.41E 0 3.6L
LDG IV 15 19 36 45.6–.93 42.45N 13.33E 2 3.1L
ISCJB IV 15 19 36 45.0–.22 42.53N–.02 13.34E–.02 15–3 3.1L
ISC Event type ke.
ROM Event type ke.
BEO Event type ke.
CSEM Event type ke.
LDG Event type ke.
ISCJB Event type ke.
ISC IV 15 19 55 57.8–.74 42.47N–.01 13.40E–.02 16–4 161 0-7
CSEM IV 15 19 55 57.6–.10 42.45N 13.39E 10 3.9L ¶12590739
ISCJB IV 15 19 55 57.2–.21 42.46N–.02 13.38E–.02 14–2 3.9L
ROM IV 15 19 55 57.6–.07 42.46N 13.38E 11–0 3.1L
LDG IV 15 19 55 57.8–1.4 42.44N 13.51E 2 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=144.4.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=69.0.
LDG Event type ke. Error ellipse: s-maj=30.6km s-min=14.7km az=108.0.
ROM IV 15 20 05 05.3–.08 42.46N 13.37E 10–0 2.3,1.8L
CSEM IV 15 20 05 04.8–.13 42.49N 13.40E 19 2.3L,1.8L ¶14842833
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=81.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=71.0.
ROM IV 15 21 06 56.8–.08 42.37N 13.37E 10–0 2.0,1.4L
CSEM IV 15 21 06 56.8 42.37N 13.37E 10 2.0,1.4L ¶14842854
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.3km az=21.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 15 21 07 34.9–.08 42.37N 13.44E 8–0 1.8
CSEM IV 15 21 07 34.9 42.37N 13.44E 8 1.8 ¶14842857
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=98.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 15 22 53 08.6–.54 42.54N–.01 13.32E–.01 6–3 3.9b 580 0-72
LDG IV 15 22 53 07.7–.10 42.57N 13.36E 2 3.8L ¶12597502
CSEM IV 15 22 53 07.8–.07 42.52N 13.28E 2 4.3L
NEIC IV 15 22 53 07.0 42.51N 13.31E 9 4.1W
ROM IV 15 22 53 07.5–.06 42.52N 13.33E 10–0 4.0L
ISCJB IV 15 22 53 07.4–.18 42.55N–.01 13.29E–.01 10–1 3.9b
MOS IV 15 22 53 08.3–.94 42.64N 13.17E 18 4.0b
PRU IV 15 22 53 08.8 42.54N 13.50E 1 4.0b
IDC IV 15 22 53 08.5–.97 42.67N 13.15E 0 3.8,3.7
PDG IV 15 22 53 08.3–.71 42.55N 13.30E 9–0 3.8L,3.7
BEO IV 15 22 53 13.5–.75 42.60N 13.54E 21–18 4.0L,3.7
STR IV 15 22 53 44.1–.00 44.70N 11.27E 5 3.8L,3.7
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=43.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=43.0.
NEIC Event type fe. Felt [III] at Ascoli Piceno, Campli, Chieti, Comunanza, Montorio al Vomano, Narni, Rieti, Spoleto and Teramo; [II] at Albano Laziale, Ancona, Foligno, Francavilla al Mare, Frattocchie, Guidonia Montecelio, Macerata, Monterotondo, Pescara, Pratola Peligna, Rocca di Papa, Rome, San Benedetto del Tronto, Sulmona and Terni. Felt in Abruzzo, Lazio, Marche and Umbria. After ROM. Moment Tensor Solution. $M_0$2.00000×10^{15}
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=40.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=37.3.
MOS Error ellipse: s-maj=8.1km s-min=4.4km az=79.5.
IDC Error ellipse: s-maj=20.0km s-min=11.9km az=99.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
BEO Event type ke.
STR Event type ke.
ROM IV 16 00 30 26.8–.23 42.61N 13.32E 7–4 1.6,0.7L
CSEM IV 16 00 30 26.8 42.61N 13.32E 7 1.6,0.7L ¶14842938
ROM Event type ke. Error ellipse: s-maj=6.2km s-min=1.4km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 16 01 00 59.2–.09 42.39N 13.40E 10–1 2.4,1.8L
CSEM IV 16 01 00 59.2 42.39N 13.40E 10 2.4,1.8L ¶14842950
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=62.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 16 01 50 54.4–.08 42.52N 13.32E 10–1 2.4L
CSEM IV 16 01 50 54.4–.08 42.53N 13.30E 10 3.1L ¶14842966
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=48.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=59.0.
ROM IV 16 02 52 55.9–.22 42.59N 13.33E 7–3 1.3
CSEM IV 16 02 52 55.9 42.59N 13.33E 7 1.3 ¶14842992
ROM Event type ke. Error ellipse: s-maj=5.1km s-min=1.2km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 16 04 29 12.3–.12 42.29N 13.50E 9–1 2.1,1.5L
CSEM IV 16 04 29 12.3 42.29N 13.50E 9 2.1,1.5L ¶14843031
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 16 05 44 55.3–.73 42.33N–.02 13.44E–.02 13–4 149 0-31
ROM IV 16 05 44 54.4–.08 42.30N 13.42E 10–0 3.4L ¶12597518
ISCJB IV 16 05 44 54.2–.23 42.31N–.02 13.42E–.02 11–2 3.3b
CSEM IV 16 05 44 54.7–.11 42.31N 13.41E 2 4.0L
IDC IV 16 05 44 55.0–1.4 42.50N 13.28E 0 3.6,3.5
PRU IV 16 05 44 56.1 42.37N 13.30E 0 3.6,3.5
LDG IV 16 05 44 58.1–1.4 42.43N 13.29E 2 3.2L,3.5
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=158.7.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=66.0.
IDC Error ellipse: s-maj=22.2km s-min=14.8km az=96.0.
LDG Event type ke. Error ellipse: s-maj=30.7km s-min=12.0km az=104.0.
ROM IV 16 14 19 19.2–.07 42.50N 13.39E 9–0 2.7,2.6L
CSEM IV 16 14 19 19.5–.11 42.51N 13.38E 10 3.2L,2.6L ¶12601054
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=65.0.
ROM IV 16 14 50 09.9–.14 42.55N 13.29E 10–1 1.8,1.8L
CSEM IV 16 14 50 09.9 42.55N 13.29E 10 1.8,1.8L ¶14843175
ROM Event type ke. Error ellipse: s-maj=2.7km s-min=1.4km az=16.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 16 15 13 05.6–.21 42.55N 13.28E 10–1 1.7,1.5L
CSEM IV 16 15 13 05.6 42.55N 13.28E 10 1.7,1.5L ¶14843180
ROM Event type ke. Error ellipse: s-maj=4.1km s-min=1.5km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 16 16 11 38.3–.80 42.56N–.02 13.28E–.02 12–5 101 0-7
ISCJB IV 16 16 11 37.7–.30 42.55N–.02 13.27E–.03 12–3 ¶12601060
ROM IV 16 16 11 37.8–.08 42.54N 13.29E 11–0 3.0L
CSEM IV 16 16 11 38.2–.12 42.55N 13.26E 5 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=142.1.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=61.0.
ROM IV 16 17 24 42.1–.08 42.43N 13.39E 10–0 1.7,1.4L
CSEM IV 16 17 24 42.1 42.43N 13.39E 10 1.7,1.4L ¶14843207
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=74.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 16 17 40 34.9–.28 42.59N 13.41E 6–3 1.7,1.4L
¶14843213
ROM Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=1.0.
ISC IV 16 17 49 31.2–.69 42.55N–.01 13.29E–.01 10–4 3.9b 573 0-75
ISCJB IV 16 17 49 29.9–.18 42.57N–.01 13.27E–.01 13–1 3.9b ¶12601066
BEO IV 16 17 49 29.8–.99 42.32N 13.25E 0 4.1L
IDC IV 16 17 49 29.3–1.2 42.60N 13.49E 0 3.8,3.7
MOS IV 16 17 49 29.3–1.2 42.61N 13.27E 10 4.0b,3.7
NEIC IV 16 17 49 30.0 42.54N 13.29E 11 3.8L,3.6b
CSEM IV 16 17 49 30.6–.08 42.58N 13.27E 2 4.4L,4.1b
ROM IV 16 17 49 30.1–.05 42.54N 13.29E 12–0 4.1L,4.1b
LDG IV 16 17 49 30.2–.10 42.59N 13.38E 2 3.7L,4.1b
PRU IV 16 17 49 31.1 42.59N 13.47E 0 3.6,4.1b
PDG IV 16 17 49 31.0–.32 42.54N 13.35E 12–0 3.9L,4.1b
STR IV 16 17 49 42.6–1.1 43.08N 12.39E 10 3.7L,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=31.0.
BEO Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=13.7km az=85.0.
MOS Error ellipse: s-maj=7.3km s-min=4.5km az=89.2.
NEIC Event type fe. Felt [III] at Ascoli Piceno, Avezzano, Folignano, Montorio al Vomano, Palestrina, Rieti, Spinetoli, Teramo and Tortoreto; [II] at Ancona, Chieti, Foligno, Guidonia Montecelio, Macerata, Monterotondo, Montesilvano, Perugia, Pescara, Rocca di Papa, Rome, Spoleto, Sulmona, Terni and Tivoli. Felt in Abruzzo, Lazio, Marche and Umbria. After ROM.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=31.0.
ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=57.0.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=41.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.6km az=0.0.
STR Event type ke.
ISC IV 16 18 17 52.7–.79 42.56N–.02 13.29E–.02 13–5 104 0-7
CSEM IV 16 18 17 52.4–.09 42.55N 13.27E 10 3.5L ¶12601069
ROM IV 16 18 17 52.3–.08 42.54N 13.29E 10–0 2.9,2.9L
ISCJB IV 16 18 17 52.2–.30 42.54N–.02 13.28E–.03 13–3 2.9,2.9L
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.
ROM IV 16 21 37 46.2–.11 42.44N 13.39E 10–1 1.8,1.6L
CSEM IV 16 21 37 46.2 42.44N 13.39E 10 1.8,1.6L ¶14843277
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.3km az=78.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 16 23 48 01.0–.19 42.54N 13.36E 10–2 1.5,1.4L
CSEM IV 16 23 48 01.0 42.54N 13.36E 10 1.5,1.4L ¶14843312
ROM Event type ke. Error ellipse: s-maj=4.9km s-min=1.8km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 17 02 20 37.4–.07 42.31N 13.46E 9–0 2.9L
CSEM IV 17 02 20 37.6–.08 42.30N 13.45E 10 3.5L ¶12607808
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=51.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=65.0.
ROM IV 17 02 50 55.1–.30 42.50N 13.31E 15–6 1.6,1.4L
CSEM IV 17 02 50 55.1 42.50N 13.31E 15 1.6,1.4L ¶14843367
ROM Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=25.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 17 02 51 43.6–.11 42.53N 13.37E 11–1 1.7,1.5L
CSEM IV 17 02 51 43.6 42.53N 13.37E 11 1.7,1.5L ¶14843370
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=0.5km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 17 03 56 20.4–.07 42.25N 13.49E 10–0 2.5,2.2L
CSEM IV 17 03 56 20.8–.09 42.25N 13.49E 10 2.7L,2.2L ¶14843380
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=69.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=68.0.
ROM IV 17 12 22 35.1–.08 42.30N 13.49E 9–0 2.2L
CSEM IV 17 12 22 35.1 42.30N 13.49E 9 2.2L ¶14843473
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 17 13 16 27.7–.06 42.25N 13.53E 8–0 2.0,1.8L
CSEM IV 17 13 16 28.3–.13 42.26N 13.52E 8 2.3L,1.8L ¶14843483
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=164.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=73.0.
ROM IV 17 16 27 34.8–.09 42.54N 13.29E 11–0 2.2L,2.1
CSEM IV 17 16 27 34.8 42.54N 13.29E 11 2.1,2.1 ¶14843537
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=29.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 17 19 24 58.4–.07 42.40N 13.37E 10–0 2.6L
CSEM IV 17 19 24 58.5–.11 42.41N 13.36E 10 3.0L ¶12608518
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=56.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=61.0.
ROM IV 17 20 42 01.0–.12 42.46N 13.44E 11–0 1.9L,1.7
CSEM IV 17 20 42 01.0 42.46N 13.44E 11 1.7,1.7 ¶14843607
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=1.2km az=109.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 17 20 42 57.5–.05 42.25N 13.47E 10–0 2.4,1.8L
CSEM IV 17 20 42 57.5 42.25N 13.47E 10 2.4,1.8L ¶14843610
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=12.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 18 00 27 26.2–.06 42.29N 13.43E 10–0 2.2,1.6L
CSEM IV 18 00 27 26.2 42.29N 13.43E 10 2.2,1.6L ¶14843681
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=17.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 18 02 05 45.3–.10 42.27N 13.47E 11–0 1.9,1.2L
CSEM IV 18 02 05 45.3 42.27N 13.47E 11 1.9,1.2L ¶14843717
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=23.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 18 02 07 07.1–.90 42.56N–.02 13.36E–.02 16–5 72 0-1
ROM IV 18 02 07 06.9–.08 42.54N 13.32E 8–0 2.3,1.8L ¶14843718
CSEM IV 18 02 07 06.9 42.54N 13.32E 8 2.3,1.8L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=62.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 18 03 35 29.3–.16 42.30N 13.54E 7 1.8,1.2L
CSEM IV 18 03 35 29.3 42.30N 13.54E 7 1.8,1.2L ¶14843748
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 18 04 05 05.0–.10 42.42N 13.38E 11–2 1.8,1.3L
CSEM IV 18 04 05 05.0 42.42N 13.38E 11 1.8,1.3L ¶14843756
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=134.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 18 04 32 07.0–.37 42.57N 13.35E 10–5 1.4,1.3L
CSEM IV 18 04 32 07.0 42.57N 13.35E 10 1.4,1.3L ¶14843763
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=1.2km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 18 04 33 05.2–.11 42.28N 13.47E 10–1 2.0,1.4L
CSEM IV 18 04 33 05.2 42.28N 13.47E 10 2.0,1.4L ¶14843766
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 18 09 05 57.7–.61 42.45N–.01 13.36E–.01 12–3 4.0b 578 0-96
SZGRF IV 18 09 05 55.3 42.13N 13.56E 10 4.1b ¶12609853
ISCJB IV 18 09 05 56.0–.18 42.44N–.01 13.34E–.01 13–1 3.9b,3.4s

IDC IV 18 09 05 56.0–.99 42.54N 13.22E 0 3.8,3.8L
LDG IV 18 09 05 56.1–.10 42.50N 13.40E 2 3.7L,3.8L
PDG IV 18 09 05 56.7–.69 42.47N 13.37E 10–0 3.8L,3.8L
CSEM IV 18 09 05 56.6–.08 42.46N 13.34E 2 4.5L,4.1b
MOS IV 18 09 05 56.1–1.3 42.54N 13.38E 13 4.1b,4.1b
NEIC IV 18 09 05 56.0 42.44N 13.36E 15 3.8b,3.8L
ROM IV 18 09 05 56.2–.04 42.44N 13.36E 14–1 4.0L,3.8L
PRU IV 18 09 05 57.2 42.51N 13.45E 1 3.8,3.8L
THE IV 18 09 06 00.5 42.50N 13.76E 2–11 4.0L,3.8L
STR IV 18 09 06 07.0–.98 42.97N 12.79E 10 3.7L,3.8L
BEO IV 18 09 06 15.5–.74 43.01N 15.10E 0 3.6L,3.8L
ISC Event type fe.
SZGRF Central Italy.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=36.0.
IDC Error ellipse: s-maj=16.6km s-min=13.6km az=90.0.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=44.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=30.0.
MOS Error ellipse: s-maj=9.2km s-min=5.1km az=83.6.
NEIC Event type fe. Felt [IV] at L'Aquila; [III] at Ascoli Piceno, Castellalto, Montorio al Vomano, San Benedetto del Tronto and Teramo; [II] at Avezzano, Cassino, Chieti, Foligno, Frattocchie, Jesi, Latina, Pescara, Rieti, Rome, Sulmona and Terni. Felt in Abruzzo, Lazio, Marche and Umbria. After ROM.
ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=58.0.
THE Event type ke. Error ellipse: s-maj=15.1km s-min=1.9km az=278.0.
STR Event type ke.
BEO Event type ke.

ISC IV 18 10 24 37.5–.84 42.39N–.02 13.33E–.02 10–5 83 0-3
ROM IV 18 10 24 36.7–.08 42.39N 13.33E 10–0 2.8L **¶14843868**
ISCJB IV 18 10 24 36.5–.36 42.39N–.02 13.30E–.03 12–3 2.8L
CSEM IV 18 10 24 37.0–.11 42.39N 13.30E 5 3.5L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=167.4.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=78.0.

ROM IV 18 13 22 29.8–.10 42.40N 13.36E 11–1 2.2L
CSEM IV 18 13 22 29.8 42.40N 13.36E 11 2.2L **¶14843918**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 18 13 22 48.3–.09 42.42N 13.29E 10–1 2.3,2.2L
CSEM IV 18 13 22 48.3 42.42N 13.29E 10 2.3,2.2L **¶14843921**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 18 15 25 42.4–.06 42.31N 13.50E 10–0 2.6,2.2L
CSEM IV 18 15 25 42.4 42.31N 13.50E 10 2.6,2.2L **¶14843951**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 18 18 06 38.1–.49 42.24N 13.62E 8 1.7,1.1L
¶14843993
ROM Event type ke. Error ellipse: s-maj=6.1km s-min=1.9km az=176.0.

ROM IV 19 00 24 56.3–.07 42.45N 13.35E 14–1 2.0,1.4L
CSEM IV 19 00 24 56.3 42.45N 13.35E 14 2.0,1.4L **¶14844111**
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 19 00 25 42.8–.11 42.45N 13.36E 14–1 1.4L
CSEM IV 19 00 25 42.8 42.45N 13.36E 14 1.4L **¶14844114**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=147.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 19 09 09 03.3–.45 42.37N 13.44E 10–1 1.5,1.0L
¶14844338
ROM Event type ke. Error ellipse: s-maj=8.7km s-min=2.3km az=99.0.

ROM IV 19 09 16 11.2–.06 42.37N 13.36E 10–0 2.0,1.8L
CSEM IV 19 09 16 11.2 42.37N 13.36E 10 2.0,1.8L **¶14844341**
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=62.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 19 09 17 09.4–.11 42.46N 13.41E 10–1 1.7,1.5L
CSEM IV 19 09 17 09.4 42.46N 13.41E 10 1.7,1.5L **¶14844344**
ROM Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 19 11 25 20.5–.08 42.51N 13.40E 10–1 1.6L
CSEM IV 19 11 25 20.5 42.51N 13.40E 10 1.6L **¶14844378**
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=114.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 19 11 25 40.6–.12 42.41N 13.38E 11–1 1.7L
CSEM IV 19 11 25 40.6 42.41N 13.38E 11 1.7L **¶14844382**
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 19 18 02 48.6–.07 43.00N 12.94E 10–0 1.5,1.0L
CSEM IV 19 18 02 48.6 43.00N 12.94E 10 1.5,1.0L **¶14844486**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=17.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 19 18 17 35.4–.06 42.45N 13.42E 10 1.8,1.5L
CSEM IV 19 18 17 35.4 42.45N 13.42E 10 1.8,1.5L **¶14844488**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=62.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 19 22 21 02.8–.08 42.38N 13.34E 8–1 1.5,1.1L
CSEM IV 19 22 21 02.8 42.38N 13.34E 8 1.5,1.1L **¶14844538**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=131.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 19 22 21 33.6–.31 42.43N 13.33E 13–6 1.7,1.7L
CSEM IV 19 22 21 33.6 42.43N 13.33E 13 1.7,1.7L **¶14844541**
ROM Event type ke. Error ellipse: s-maj=5.5km s-min=3.0km az=94.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC IV 20 01 20 20.2–.83 42.32N–.02 13.42E–.02 9–4 114 0-4
ISCJB IV 20 01 20 19.2–.27 42.31N–.02 13.40E–.03 10–3 **¶12610906**
ROM IV 20 01 20 19.4–.08 42.31N 13.42E 11–0 2.9L
CSEM IV 20 01 20 19.5–.11 42.31N 13.41E 2 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=162.4.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=69.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=73.0.

ISC IV 20 02 22 17.0–.76 42.39N–.02 13.33E–.02 11–4 140 0-7
ISCJB IV 20 02 22 15.7–.23 42.39N–.02 13.30E–.02 10–2 **¶12610907**
LDG IV 20 02 22 15.7–1.6 42.43N 13.56E 2 3.0L
ROM IV 20 02 22 16.0–.08 42.38N 13.32E 10–1 3.0L
CSEM IV 20 02 22 16.1–.10 42.39N 13.31E 2 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.8km az=136.2.
LDG Event type ke. Error ellipse: s-maj=34.6km s-min=16.3km az=111.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=56.0.

ROM IV 20 06 32 17.3–.07 42.32N 13.48E 7–0 2.0,1.8L
CSEM IV 20 06 32 17.3 42.32N 13.48E 7 2.0,1.8L **¶14844640**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=171.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 20 11 14 49.4–.19 42.25N 13.51E 7–2 2.0,1.7L
CSEM IV 20 11 14 49.4 42.25N 13.51E 7 2.0,1.7L **¶14844679**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=130.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 20 11 15 41.0–.08 42.41N 13.42E 9–1 2.2,1.8L
CSEM IV 20 11 15 41.0 42.41N 13.42E 9 2.2,1.8L **¶14844682**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 20 17 46 06.0–.12 42.27N 13.65E 8–1 2.0,1.4L
CSEM IV 20 17 46 06.0 42.27N 13.65E 8 2.0,1.4L **¶14844746**
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=142.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 21 08 08 36.0–.12 42.52N 13.30E 11–1 2.1
CSEM IV 21 08 08 36.0 42.52N 13.30E 11 2.1 **¶14844896**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=75.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC IV 21 08 17 21.1–.90 42.26N–.02 13.53E–.02 12–5 80 0-1
CSEM IV 21 08 17 21.0 42.26N 13.53E 9 2.7 **¶12612931**
ROM IV 21 08 17 21.0–.08 42.26N 13.53E 9–0 2.7,2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=79.0.

ISC IV 21 15 44 37.4–.70 42.35N–.02 13.37E–.02 12–4 187 0-48
CSEM IV 21 15 44 36.7–.10 42.33N 13.36E 2 4.0L **¶12638914**
ROM IV 21 15 44 36.3–.07 42.32N 13.37E 10–0 3.7L
ISCJB IV 21 15 44 36.2–.22 42.34N–.02 13.36E–.02 13–1 3.5b,3.1s
LDG IV 21 15 44 36.4–.10 42.32N 13.34E 2 3.3L,3.1s
IDC IV 21 15 44 36.9–1.2 42.44N 13.27E 0 3.7,3.5L
BEO IV 21 15 44 37.9–1.0 42.60N 13.26E 0 3.8L,3.5L
PRU IV 21 15 44 38.2 42.38N 13.47E 0 3.8L,3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=22.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=16.1.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=36.0.
IDC Error ellipse: s-maj=20.3km s-min=14.1km az=92.0.
BEO Event type ke.

ISC IV 21 16 20 57.0–.78 42.55N–.02 13.30E–.02 14–5 113 0-7
BEO IV 21 16 20 55.3 42.66N 12.60E 0 3.6L **¶12638916**
ROM IV 21 16 20 56.9–.07 42.52N 13.31E 11–0 3.2L
CSEM IV 21 16 20 57.0–.09 42.53N 13.28E 10 3.6L
PRU IV 21 16 20 57.2 42.56N 13.51E 0 3.6L
ISC Event type ke.
BEO Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=61.0.

ROM IV 21 18 58 23.8–.09 42.26N 13.45E 8–1 1.9,1.6L
CSEM IV 21 18 58 23.8 42.26N 13.45E 8 1.9,1.6L **¶14844975**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 21 20 14 01.5–.14 42.54N 13.35E 10–1 1.4,1.3L
¶14844983
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=0.8km az=144.0.

ROM IV 21 20 17 05.2–.09 42.27N 13.48E 9–1 1.8L
CSEM IV 21 20 17 05.2 42.27N 13.48E 9 1.8L **¶14844984**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC IV 21 22 26 31.2–.76 42.01N–.02 14.01E–.02 11–4 161 0-8
ISCJB IV 21 22 26 30.9–.22 41.99N–.02 14.00E–.02 21–3 **¶12643814**
ROM IV 21 22 26 30.5–.08 41.99N 14.01E 8–1 3.1L
CSEM IV 21 22 26 31.0–.10 41.99N 13.99E 8 3.7L
BEO IV 21 22 26 31.4–.82 42.01N 13.75E 23–19 3.3L
PRU IV 21 22 26 32.7 42.05N 14.05E 1 3.3L
LDG IV 21 22 26 40.2–.90 42.45N 13.33E 2 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=24.7.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=34.0.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=19.7km s-min=10.5km az=98.0.

ISC IV 22 12 32 25.8–.73 42.58N–.02 12.82E–.02 12–4 184 0-9
ISCJB IV 22 12 32 24.9–.22 42.58N–.02 12.79E–.02 12–2 **¶12645050**
LDG IV 22 12 32 25.4–.13 42.60N 12.84E 2 3.2L
ROM IV 22 12 32 25.3–.08 42.58N 12.83E 9–1 3.6L
CSEM IV 22 12 32 25.5–.09 42.58N 12.81E 5 3.7L
PRU IV 22 12 32 26.5 42.56N 12.85E 0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=31.7.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=3.0km az=43.0.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=109.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=43.0.

ROM IV 22 22 46 07.6–.07 42.31N 13.38E 11–0 2.1,1.5L
CSEM IV 22 22 46 07.6–.08 42.32N 13.39E 15 1.8L,1.5L **¶14845211**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=60.0.

ROM IV 23 09 01 43.2–.09 42.25N 13.46E 10–0 2.0,1.6L
CSEM IV 23 09 01 43.2 42.25N 13.46E 10 2.0,1.6L **¶14845939**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM IV 23 14 35 05.8–.10 42.27N 13.49E 9–1 1.7,1.6L
CSEM IV 23 14 35 05.8 42.27N 13.49E 9 1.7,1.6L **¶14845976**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=46.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC IV 23 15 14 09.6–.48 42.27N–.01 13.45E–.01 11–3 4.0b 480 0-88
NEIC IV 23 15 14 08.0 42.25N 13.49E 10 4.1W,4.1L **¶12669138**
ISCJB IV 23 15 14 08.3–.22 42.27N–.01 13.43E–.02 8–1 4.0b,3.1s
ROM IV 23 15 14 08.3–.07 42.25N 13.48E 10–0 4.0L,3.1s
LDG IV 23 15 14 08.9–.11 42.26N 13.47E 2 3.8L,3.1s
BEO IV 23 15 14 09.6–.89 42.11N 13.45E 0 3.9L,3.1s
PDG IV 23 15 14 09.2–.70 42.26N 13.49E 4–0 3.7L,3.1s
CSEM IV 23 15 14 09.2–.09 42.25N 13.42E 2 4.5L,4.2b
IDC IV 23 15 14 09.1–.82 42.39N 13.35E 0 3.9,3.8L
MOS IV 23 15 14 09.7–1.0 42.42N 13.43E 10 4.0b,3.8L
SZGRF IV 23 15 14 09.0 41.95N 13.77E 10 4.0b,3.8L
PRU IV 23 15 14 11.8 42.38N 13.48E 0 3.7,3.8L
STR IV 23 15 14 18.1–1.2 42.75N 13.00E 5 3.8L,3.8L
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Aielli, Cerchio, L'Aquila and Popoli; [III] at Avezzano, Celano, Pescina, Scoppito, Sulmona and Teramo. Felt [II] throughout Abruzzo and in parts of Lazio, Marche, Molise and Umbria. After ROM. Moment Tensor Solution. $M_0 2.00000\times10^{15}$
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=33.9.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=43.0.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=38.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=25.0.
IDC Error ellipse: s-maj=15.4km s-min=12.6km az=114.0.
MOS Error ellipse: s-maj=6.1km s-min=3.6km az=89.0.
SZGRF Southern Italy.
STR Event type ke.

ROM IV 23 19 02 04.7–.09 42.31N 13.45E 10–1 2.3,1.8L
CSEM IV 23 19 02 04.7 42.31N 13.45E 10 2.3,1.8L **¶14846008**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC IV 23 21 49 02.1–.74 42.25N–.01 13.47E–.01 9–4 4.1b,3.5s 727 0-87
SZGRF IV 23 21 48 57.8 41.70N 13.89E 10 4.1b,3.5s **¶12692485**
NEIC IV 23 21 49 00.0 42.23N 13.48E 9 4.3W,4.2b
ROM IV 23 21 49 00.8–.09 42.23N 13.49E 10–1 4.2L,4.2b
ISCJB IV 23 21 49 00.7–.19 42.26N–.01 13.46E–.01 9–1 4.0b,3.4s
LDG IV 23 21 49 01.0–.10 42.22N 13.48E 2 3.9L,3.4s
CSEM IV 23 21 49 01.8–.10 42.27N 13.45E 2 4.6L,4.3W
MOS IV 23 21 49 01.9–.95 42.38N 13.48E 10 4.5b,4.3W
IDC IV 23 21 49 01.2–.79 42.33N 13.28E 0 4.0,4.0
PDG IV 23 21 49 02.3–.32 42.32N 13.56E 11–0 4.1L,4.0
PRU IV 23 21 49 03.4 42.31N 13.54E 0 4.2,4.0
BEO IV 23 21 49 03.3–.87 42.27N 13.56E 0 4.2L,4.0
STR IV 23 21 49 13.5–1.2 42.75N 12.75E 10 3.9L,4.0
ISC Event type fe.
SZGRF Southern Italy.
NEIC Event type fe. Felt [IV] at L'Aquila, Pescara and Trasacco; [III] at Aielli, Avezzano, Borgorose, Celano, Cepagatti, Chieti Scalo, Introdacqua, Loreto Aprutino, Luco dei Marsi, Magliano de' Marsi, Manoppello, Pacentro, Pettorano sul Gizio, Popoli, Pratola Peligna, Raiano, San Benedetto dei Marsi, San Demetrio ne' Vestini, San Flaviano, Scanno, Secinaro, Sulmona and Vittorito. Felt [II] throughout Abruzzo and in parts of Lazio, Marche, Molise and Umbria. After ROM. Moment Tensor Solution. $M_0 3.90000\times10^{15}$
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=32.0.

LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=14.0.
MOS Error ellipse: s-maj=5.1km s-min=3.3km az=81.0.
IDC Error ellipse: s-maj=12.9km s-min=12.3km az=45.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.2km az=0.0.
BEO Event type ke.
STR Event type ke.
ROM IV 23 22 51 48.0–.09 42.24N 13.48E 10–1 2.7L
CSEM IV 23 22 51 48.4–.10 42.24N 13.47E 8 3.0L **¶16596235**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=69.0.
ROM IV 23 22 52 15.1–.06 42.25N 13.48E 10–0 2.7L
CSEM IV 23 22 52 15.1 42.25N 13.48E 10 2.7L **¶12692488**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 24 04 36 17.2–.78 42.28N–.02 13.48E–.02 16–5 124 0-8
CSEM IV 24 04 36 17.4–.11 42.27N 13.48E 2 3.5L **¶12692499**
ISCJB IV 24 04 36 17.1–.26 42.26N–.02 13.47E–.03 13–3 3.5L
ROM IV 24 04 36 17.1–.08 42.25N 13.47E 8–1 3.0L
LDG IV 24 04 36 21.4–.84 42.44N 13.35E 2 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=153.7.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=51.0.
LDG Event type ke. Error ellipse: s-maj=17.8km s-min=11.1km az=103.0.
ROM IV 24 05 56 20.9–.09 42.43N 13.30E 11–1 2.0,1.7L
CSEM IV 24 05 56 20.9 42.43N 13.30E 11 2.0,1.7L **¶16194708**
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=113.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 24 10 36 23.0–.05 42.29N 13.49E 11–1 1.7,1.2L
CSEM IV 24 10 36 23.0 42.29N 13.49E 11 1.7,1.2L **¶14846163**
ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=133.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 24 13 38 54.1–.77 42.53N–.02 13.35E–.02 10–4 190 0-7
ISCJB IV 24 13 38 53.2–.21 42.52N–.02 13.34E–.02 11–2 **¶12692513**
LDG IV 24 13 38 53.7–.15 42.52N 13.33E 2 3.2L
ROM IV 24 13 38 53.4–.07 42.52N 13.35E 9–0 3.2L
CSEM IV 24 13 38 53.7–.09 42.52N 13.31E 2 3.5L
BEO IV 24 13 38 54.2–1.1 42.48N 13.23E 0 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=40.9.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=45.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=48.0.
BEO Event type ke.
ISC IV 24 14 24 08.2–.79 42.39N–.02 13.35E–.02 8–5 133 0-7
ISCJB IV 24 14 24 07.6–.26 42.38N–.02 13.36E–.03 10–2 **¶12692554**
ROM IV 24 14 24 07.5–.06 42.38N 13.39E 8–0 3.1L
CSEM IV 24 14 24 08.1–.12 42.38N 13.36E 2 3.5L
LDG IV 24 14 24 09.9–.84 42.43N 13.32E 2 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=153.0.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=88.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=62.0.
LDG Event type ke. Error ellipse: s-maj=16.7km s-min=13.2km az=113.0.
ISC IV 24 22 51 29.8–.79 42.26N–.01 13.52E–.02 12–5 150 0-7
CSEM IV 24 22 51 29.7–.10 42.26N 13.51E 5 3.5L **¶12692663**
ISCJB IV 24 22 51 29.2–.23 42.26N–.01 13.51E–.03 13–2 3.5L
NEIC IV 24 22 51 29.0 42.27N 13.51E 11 3.0L
ROM IV 24 22 51 29.5–.09 42.27N 13.51E 11–1 3.0L
ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.3km az=172.0.
NEIC Event type fe. Felt [II] at Avezzano, L'Aquila, Montorio al Vomano and Pratola Peligna. After ROM.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=60.0.
ISC IV 25 02 08 24.3–.73 42.34N–.02 13.44E–.02 12–4 3.2b 170 0-68
ISCJB IV 25 02 08 23.5–.22 42.29N–.02 13.45E–.02 11–2 3.1b **¶12692673**
ROM IV 25 02 08 23.5–.07 42.29N 13.46E 9–0 3.2L
LDG IV 25 02 08 23.9–.14 42.24N 13.49E 2 3.2L
CSEM IV 25 02 08 24.0–.10 42.29N 13.45E 2 3.6L
IDC IV 25 02 08 24.6–1.3 42.37N 13.51E 0 3.4,3.3
PRU IV 25 02 08 25.8 42.37N 13.44E 1 3.4,3.3
BEO IV 25 02 08 25.1–1.0 42.38N 13.39E 0 3.4L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=34.2.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=45.0.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=49.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=42.0.
IDC Error ellipse: s-maj=20.8km s-min=15.9km az=80.0.
BEO Event type ke.
ISC IV 25 11 13 04.4–.44 42.44N–.01 13.36E–.01 8–3 136 0-7
ISCJB IV 25 11 13 04.4–.23 42.46N–.02 13.36E–.02 11–3 **¶12692694**
ROM IV 25 11 13 04.8–.10 42.42N 13.34E 9–1 3.1L
CSEM IV 25 11 13 05.2–.11 42.42N 13.36E 5 3.6L
LDG IV 25 11 13 07.3–1.1 42.44N 13.35E 2 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=155.3.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=53.0.
LDG Event type ke. Error ellipse: s-maj=24.3km s-min=11.5km az=101.0.
ROM IV 25 14 03 35.0–.12 42.25N 13.48E 11–1 2.1,1.4L
CSEM IV 25 14 03 35.0 42.25N 13.48E 11 2.1,1.4L **¶14846433**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=146.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 25 16 48 42.6–.08 42.50N 13.38E 8–0 2.0L
CSEM IV 25 16 48 42.6 42.50N 13.38E 8 2.0L **¶14846467**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=66.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 25 17 03 52.7–.17 42.27N 13.45E 10–1 1.7,1.0L
CSEM IV 25 17 03 52.7 42.27N 13.45E 10 1.7,1.0L **¶14846470**
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 25 17 18 31.2–.10 42.27N 13.50E 9–1 2.1,1.7L
CSEM IV 25 17 18 31.2 42.27N 13.50E 9 2.1,1.7L **¶14846473**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 26 04 07 54.1–.20 42.54N 13.29E 10–1 1.9,1.2L
CSEM IV 26 04 07 54.1 42.54N 13.29E 10 1.9,1.2L **¶14846612**
ROM Event type ke. Error ellipse: s-maj=4.2km s-min=1.5km az=24.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 26 11 56 01.8–.14 42.33N 13.52E 9–1 1.4L
CSEM IV 26 11 56 01.8 42.33N 13.52E 9 1.4L **¶14846692**
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=107.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 26 11 56 27.5–.16 42.29N 13.48E 10–1 1.4L
CSEM IV 26 11 56 27.5 42.29N 13.48E 10 1.4L **¶14846695**
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 26 15 40 54.2–.92 42.36N–.02 13.42E–.02 19–2 77 0-8
ISCJB IV 26 15 40 53.8–.40 42.35N–.03 13.43E–.04 21–3 **¶12757348**
ROM IV 26 15 40 53.8–.09 42.35N 13.43E 18–1 1.9L
CSEM IV 26 15 40 54.3–.18 42.36N 13.43E 12 2.1L
LDG IV 26 15 40 54.2–.24 42.30N 13.40E 2 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.4km az=166.9.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.7km az=41.0.
LDG Event type ke. Error ellipse: s-maj=8.1km s-min=5.3km az=60.0.
ROM IV 26 16 10 36.5–.11 42.26N 13.46E 10–1 1.8,1.4L
CSEM IV 26 16 10 36.5 42.26N 13.46E 10 1.8,1.4L **¶16615064**
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.1km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 26 16 11 13.2–.07 42.36N 13.43E 7–0 3.0L
CSEM IV 26 16 11 13.5–.11 42.37N 13.42E 10 3.0L **¶16194748**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=89.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=70.0.
ROM IV 26 22 52 02.8–.11 42.35N 13.43E 9–1 1.9,1.3L
CSEM IV 26 22 52 02.8 42.35N 13.43E 9 1.9,1.3L **¶14846776**
ROM Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 26 22 52 42.8–.20 42.51N 13.38E 8–2 1.2L
CSEM IV 26 22 52 42.8 42.51N 13.38E 8 1.2L **¶14846773**
ROM Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 26 23 42 19.3–.79 42.45N–.02 13.45E–.02 11–5 92 0-3
ISCJB IV 26 23 42 18.7–.33 42.44N–.02 13.44E–.03 13–3 **¶14846783**
ROM IV 26 23 42 18.7–.08 42.44N 13.45E 9–0 2.4L
CSEM IV 26 23 42 19.0–.11 42.44N 13.45E 10 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=150.5.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=68.0.
ROM IV 27 14 49 38.9–.15 42.32N 13.49E 9–0 1.9,1.4L
CSEM IV 27 14 49 38.9 42.32N 13.49E 9 1.9,1.4L **¶14846870**
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 27 20 48 40.8–.10 42.55N 13.27E 13–1 1.7L
CSEM IV 27 20 48 40.8 42.55N 13.27E 13 1.7L **¶16194795**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 27 20 49 26.7–.07 42.33N 13.50E 9–0 2.5L
CSEM IV 27 20 49 26.7 42.33N 13.50E 9 2.5L **¶16596236**
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=49.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 28 11 28 42.9–.25 42.33N 13.44E 11–1 2.1L,1.8
¶14846979
ROM Event type ke. Error ellipse: s-maj=3.6km s-min=1.7km az=16.0.
ROM IV 28 18 34 21.4–.09 42.51N 13.39E 9–1 1.8,1.7L
CSEM IV 28 18 34 21.4 42.51N 13.39E 9 1.8,1.7L **¶14847014**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 29 08 36 59.6–.20 42.33N 13.47E 10–1 2.0,1.5L
CSEM IV 29 08 36 59.6 42.33N 13.47E 10 2.0,1.5L **¶14847091**
ROM Event type ke. Error ellipse: s-maj=5.0km s-min=1.7km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 29 08 57 42.8–.81 42.26N–.02 13.49E–.02 14–4 96 0-3
ROM IV 29 08 57 42.7–.07 42.25N 13.49E 10–0 3.0L,2.9 **¶12738686**
CSEM IV 29 08 57 42.6–.08 42.26N 13.49E 15 3.5L,2.9
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=66.0.
ROM IV 29 17 32 26.6–.16 42.39N 13.37E 11–1 1.7,1.2L
CSEM IV 29 17 32 26.6 42.39N 13.37E 11 1.7,1.2L **¶14847128**
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=1.4km az=81.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 29 18 53 47.2–.23 42.24N 13.53E 6–2 1.9
¶14847139
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=44.0.
ROM IV 29 19 40 11.1–.32 42.27N 13.46E 7–4 1.8L,1.4
CSEM IV 29 19 40 11.1 42.27N 13.46E 7 1.4,1.4 **¶14847144**
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 29 19 40 40.9–.27 42.37N 13.33E 10–1 2.1L,1.7
CSEM IV 29 19 40 40.9 42.37N 13.33E 10 1.7,1.7 **¶14847150**
ROM Event type ke. Error ellipse: s-maj=4.5km s-min=2.2km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 29 22 23 50.5–1.1 43.07N–.02 13.46E–.02 5–11 54 0-2
CSEM IV 29 22 23 51.6–.24 43.08N 13.48E 2 2.9L **¶14847181**
ROM IV 29 22 23 52.5–.14 43.04N 13.29E 26–1 2.2,2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=45.0.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=73.0.
ROM IV 29 22 56 57.2–.13 43.03N 13.29E 26–1 2.2,1.9L
CSEM IV 29 22 56 55.8–.41 42.99N 13.48E 5 2.7L,1.9L **¶14847191**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=63.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.9km az=168.0.
ROM IV 29 23 53 22.6–.09 42.28N 13.49E 10–0 1.9,1.5L
CSEM IV 29 23 53 22.6 42.28N 13.49E 10 1.9,1.5L **¶14847196**
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 30 09 13 55.1–.79 42.36N–.02 13.42E–.02 10–4 96 0-2
ROM IV 30 09 13 55.0–.06 42.36N 13.43E 9–0 3.1L **¶14847292**
CSEM IV 30 09 13 55.2–.10 42.36N 13.42E 10 3.5L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=65.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=69.0.
ISC IV 30 13 01 02.8–.77 42.37N–.02 13.35E–.02 9–4 3.4b 125 0-67
ISCJB IV 30 13 01 01.7–.25 42.37N–.02 13.35E–.03 11–2 3.4b **¶12742681**
ROM IV 30 13 01 01.8–.05 42.36N 13.36E 10–0 3.5L
IDC IV 30 13 01 02.2–1.3 42.43N 13.34E 0 3.5,3.4
CSEM IV 30 13 01 02.1–.11 42.36N 13.34E 2 3.9L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=158.4.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=70.0.
IDC Error ellipse: s-maj=20.6km s-min=15.9km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=70.0.
ROM IV 30 17 12 11.9–.07 42.46N 13.32E 11–0 2.5L
CSEM IV 30 17 12 11.9 42.46N 13.32E 11 2.5L **¶13903792**
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM IV 30 17 12 40.7–.18 42.38N 13.34E 11–1 1.7
CSEM IV 30 17 12 40.7 42.38N 13.34E 11 1.7 **¶16615067**
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=129.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC V 01 05 12 53.3–.76 42.29N–.01 13.46E–.01 6–4 3.6b 327 0-68
ROM V 01 05 12 51.5–.07 42.29N 13.46E 10–0 3.8L **¶12742821**
NEIC V 01 05 12 51.0 42.28N 13.47E 9 3.8L,3.8L
LDG V 01 05 12 51.9–.11 42.27N 13.45E 2 3.4L,3.8L
ISCJB V 01 05 12 51.7–.21 42.30N–.01 13.42E–.02 8–1 3.5b,3.8L
BEO V 01 05 12 52.6–.84 42.11N 13.45E 0 3.6L,3.8L
PDG V 01 05 12 52.7–.66 42.30N 13.44E 4–0 3.6L,3.8L
CSEM V 01 05 12 52.4–.11 42.28N 13.42E 2 4.2L,3.8L
IDC V 01 05 12 52.4–.99 42.38N 13.41E 0 3.7,3.6
PRU V 01 05 12 53.1 42.30N 13.53E 0 3.7,3.6
VIE V 01 05 13 53.0 42.30N 13.40E 2 3.8L,3.6
STR V 01 05 13 00.7–2.2 42.63N 12.82E 5 3.4L,3.6
ISC Event type fe.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=53.0.
NEIC Event type fe. Felt [V] at Aielli; [IV] at Celano, Luco dei Marsi and Massa d'Albe; [III] at Avezzano, L'Aquila, Magliano de' Marsi, Montorio al Vomano, Pratola Peligna, Rome, Subiaco, Surcola Marsicana and Tagliacozzo; [II] at Ascoli Piceno, Chieti, Pescara, Rieti, Sulmona and Teramo. Felt in much of Abruzzo and in parts of Marche and Lazio. After ROM.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=41.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=21.1.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=18.0.
IDC Error ellipse: s-maj=16.1km s-min=13.3km az=93.0.
VIE 88 km ENE of Rome .
STR Event type ke.
ROM V 01 11 06 22.5–.08 42.50N 13.36E 10–0 1.9,1.7L

CSEM V 01 11 06 22.5 42.50N 13.36E 10 1.9,1.7L ¶14847487
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 01 15 54 26.6–.10 42.26N 13.47E 10–0 1.9,1.3L
CSEM V 01 15 54 26.6 42.26N 13.47E 10 1.9,1.3L ¶14847522
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC V 01 20 34 45.4–.75 42.34N–.02 13.49E–.02 9–4 130 0-68
ROM V 01 20 34 44.5–.08 42.34N 13.49E 9–0 3.3L ¶12747038
CSEM V 01 20 34 44.9–.12 42.33N 13.49E 2 3.5L
ISCJB V 01 20 34 44.7–.23 42.34N–.02 13.48E–.03 11–2 3.2b
LDG V 01 20 34 45.6–.20 42.30N 13.48E 2 2.9L
IDC V 01 20 34 46.2–1.2 42.49N 13.30E 0 3.4,3.3
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=148.3.
LDG Event type ke. Error ellipse: s-maj=8.0km s-min=4.6km az=46.0.
IDC Error ellipse: s-maj=24.4km s-min=14.0km az=101.0.
ISC V 02 02 21 02.5–.77 42.49N–.02 13.37E–.02 13–4 119 0-7
ISCJB V 02 02 21 01.7–.26 42.48N–.02 13.36E–.02 13–2 ¶12747050
CSEM V 02 02 21 02.1–.09 42.48N 13.35E 8 3.5L
ROM V 02 02 21 02.0–.08 42.49N 13.36E 10–1 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=157.9.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=79.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=80.0.
ROM V 02 02 29 23.5–.11 42.28N 13.49E 10–1 2.1,1.4L
CSEM V 02 02 29 23.5 42.28N 13.49E 10 2.1,1.4L ¶14847627
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 02 15 29 43.0–.14 42.48N 13.30E 10–1 1.9,1.3L
CSEM V 02 15 29 43.0 42.48N 13.30E 10 1.9,1.3L ¶14847733
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC V 02 20 15 01.6–.76 42.29N–.02 13.45E–.02 8–5 154 0-48
ROM V 02 20 15 00.7–.07 42.29N 13.49E 9–0 3.2L ¶12750364
LDG V 02 20 15 01.3–.16 42.24N 13.48E 2 2.8L
CSEM V 02 20 15 01.3–.15 42.27N 13.43E 2 3.6L
ISCJB V 02 20 15 01.0–.25 42.28N–.02 13.44E–.02 8–2 3.1b
IDC V 02 20 15 02.9–1.4 42.39N 13.55E 0 3.1,3.1
BEO V 02 20 15 04.7–1.0 42.37N 13.45E 0 3.3L,3.1
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=62.0.
LDG Event type ke. Error ellipse: s-maj=6.4km s-min=3.8km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=144.6.
IDC Error ellipse: s-maj=37.3km s-min=14.9km az=95.0.
BEO Event type ke.
ISC V 03 05 14 44.0–.52 42.34N–.02 13.34E–.02 5–4 165 0-8
LDG V 03 05 14 43.7–.14 42.34N 13.36E 2 2.9L ¶12750428
CSEM V 03 05 14 43.5–.13 42.36N 13.34E 2 3.6L
ROM V 03 05 14 43.2–.06 42.36N 13.38E 10–0 3.2L
SZGRF V 03 05 14 43.4 42.01N 13.83E 10 3.4b
ISCJB V 03 05 14 43.1–.23 42.36N–.02 13.35E–.02 10–2 3.4b
ISC Event type ke.
LDG Event type ke.
CSEM Event type ke.
ROM Event type ke.
SZGRF Central Italy.
ISCJB Event type ke.
ROM V 04 01 56 48.3–.08 42.33N 13.44E 10–0 1.8,1.1L
CSEM V 04 01 56 48.3 42.33N 13.44E 10 1.8,1.1L ¶14847939
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 04 17 37 18.7–.22 42.58N 13.46E 21–2 1.7,1.7L
CSEM V 04 17 37 18.7 42.58N 13.46E 21 1.7,1.7L ¶14848026
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=48.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 04 18 10 23.3–.08 42.33N 13.52E 9–0 2.1,1.3L
CSEM V 04 18 10 23.3 42.33N 13.52E 9 2.1,1.3L ¶14848029
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=24.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC V 05 10 44 05.1–.95 42.29N–.02 13.48E–.02 6–5 95 0-7
ROM V 05 10 44 03.8–.06 42.28N 13.49E 10–0 3.1L ¶12754083
ISCJB V 05 10 44 03.9–.33 42.28N–.02 13.48E–.03 13–3 3.1L
CSEM V 05 10 44 04.3–.11 42.28N 13.48E 2 3.6L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=152.2.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=63.0.
ROM V 06 00 31 00.9–.15 42.29N 13.50E 10–1 1.8,1.4L
CSEM V 06 00 31 00.9 42.29N 13.50E 10 1.8,1.4L ¶14848267
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 07 01 51 15.0–.12 42.39N 12.91E 9–1 1.6L
CSEM V 07 01 51 15.0 42.39N 12.91E 9 1.6L ¶14848420
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=100.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 07 01 54 13.1–.38 42.13N 13.50E 18–3 1.7,1.2L
CSEM V 07 01 54 13.1 42.13N 13.50E 18 1.7,1.2L ¶14848421
ROM Event type ke. Error ellipse: s-maj=4.1km s-min=1.9km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC V 08 01 02 47.9–.67 42.26N–.01 13.55E–.02 7–3 180 0-8
BEO V 08 01 02 46.2–1.3 42.15N 13.30E 0 3.5L ¶12784423
ROM V 08 01 02 47.4–.06 42.26N 13.58E 9–0 3.3L
ISCJB V 08 01 02 47.6–.21 42.26N–.01 13.56E–.02 8–2 3.3L
CSEM V 08 01 02 48.0–.12 42.25N 13.54E 2 3.7L
LDG V 08 01 02 48.0–.11 42.23N 13.57E 2 2.9L
PRU V 08 01 02 51.1 42.33N 13.51E 0 2.9L
ISC Event type ke.
BEO Event type ke.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=38.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=144.2.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=51.0.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=42.0.
ISC V 08 17 09 59.5–.79 42.35N–.02 13.35E–.02 13–4 104 0-3
ROM V 08 17 09 59.3–.06 42.34N 13.35E 10–0 2.9L ¶12784570
CSEM V 08 17 09 59.2–.11 42.35N 13.35E 12 3.6L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=69.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=64.0.
ROM V 08 20 49 13.1–.06 42.29N 13.50E 9–0 2.2,1.1L
CSEM V 08 20 49 13.1 42.29N 13.50E 9 2.2,1.1L ¶14848718
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=28.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
CSEM V 08 22 32 17.9 42.47N 13.31E 11
¶12788516
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 08 22 32 44.8–.06 42.35N 13.41E 10–0 2.3L
CSEM V 08 22 32 45.0–.10 42.35N 13.41E 10 2.9L ¶16374680
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=64.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=62.0.
CSEM V 08 22 35 00.5 42.28N 13.51E 10
¶12788517
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 08 22 35 47.8–.05 42.34N 13.36E 10–0 2.6L
CSEM V 08 22 35 47.8–.09 42.35N 13.35E 12 3.2L ¶16374682
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=64.0.
ISC V 09 09 09 40.5–.71 42.35N–.02 13.33E–.02 13–4 3.4b 168 0-67
ISCJB V 09 09 09 39.7–.21 42.36N–.02 13.32E–.02 15–1 3.3b ¶12788581
IDC V 09 09 09 41.0–1.1 42.50N 13.24E 0 3.5,3.4
CSEM V 09 09 09 40.3–.10 42.35N 13.32E 5 4.0L,3.4
ROM V 09 09 09 40.0–.05 42.35N 13.36E 10–0 3.5L,3.4
PRU V 09 09 09 40.8 42.32N 13.59E 1 3.5L,3.4
BEO V 09 09 09 41.5–1.2 42.41N 13.24E 6–9 3.6L,3.4
LDG V 09 09 09 42.0–.18 42.31N 13.27E 2 3.1L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=138.8.
IDC Error ellipse: s-maj=21.5km s-min=13.9km az=98.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=57.0.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=75.0.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=7.1km s-min=4.2km az=43.0.
ROM V 09 19 44 19.5–.06 42.34N 13.39E 10–0 2.3L
CSEM V 09 19 44 19.5 42.34N 13.39E 10 2.3L ¶14848931
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=66.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 09 20 24 33.7–.10 42.39N 13.42E 10–1 1.7,0.9L
CSEM V 09 20 24 33.7 42.39N 13.42E 10 1.7,0.9L ¶14848942
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 10 00 57 40.7–.14 42.32N 13.41E 12–1 1.2,0.6L
¶14849011
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=19.0.
ROM V 10 04 23 48.3–.05 42.25N 13.50E 9–0 1.8,0.9L
CSEM V 10 04 23 48.3 42.25N 13.50E 9 1.8,0.9L ¶14849045
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=20.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC V 10 16 00 08.3–.77 42.29N–.02 13.46E–.02 8–4 3.4b 180 0-48
ROM V 10 16 00 07.3–.07 42.30N 13.49E 10–0 3.4L ¶12792211
ISCJB V 10 16 00 07.2–.23 42.28N–.02 13.46E–.02 9–2 3.3b
CSEM V 10 16 00 07.7–.11 42.27N 13.45E 2 3.8L
IDC V 10 16 00 08.5–1.2 42.41N 13.43E 0 3.6,3.4
BEO V 10 16 00 09.6–.96 42.88N 13.26E 10–8 3.5L,3.4
LDG V 10 16 00 09.4–.21 42.23N 13.41E 2 3.1L,3.4
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=35.3.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=47.0.
IDC Error ellipse: s-maj=19.1km s-min=13.9km az=87.0.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=8.5km s-min=4.9km az=42.0.
ISC V 10 19 33 41.6–1.1 43.82N–.02 13.28E–.02 17–8 119 0-5
ROM V 10 19 33 43.1–.13 43.77N 13.17E 35–1 2.8L ¶12793109
CSEM V 10 19 33 43.2–.13 43.77N 13.22E 35–1 3.5L
VIE V 10 19 33 47.3–.59 44.27N 13.27E 10 2.8L,2.2b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=63.0.
VIE Error ellipse: s-maj=7.1km s-min=3.5km az=39.0. 75 km ENE of San Marino .
ISC V 11 16 59 04.4–.77 42.49N–.01 13.35E–.02 12–4 177 0-7
ISCJB V 11 16 59 03.8–.21 42.49N–.02 13.35E–.02 12–2 ¶12794021
BEO V 11 16 59 04.2–.88 42.38N 13.14E 16–9 3.4L
ROM V 11 16 59 04.0–.07 42.49N 13.38E 10–0 3.5L
CSEM V 11 16 59 04.2–.10 42.48N 13.33E 5 3.8L
PDG V 11 16 59 05.2–.37 42.43N 13.42E 11–1 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=138.9.
BEO Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=51.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.9km az=0.0.
ROM V 12 01 37 42.2–.33 43.10N 13.40E 22–2 1.6,1.2L
CSEM V 12 01 37 42.2 43.10N 13.40E 22 1.6,1.2L ¶14849348
ROM Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 12 03 27 51.1–.08 42.40N 13.33E 10–0 2.1,1.2L
CSEM V 12 03 27 51.1 42.40N 13.33E 10 2.1,1.2L ¶14849358
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=106.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC V 12 19 56 55.3–1.0 43.44N–.02 10.48E–.02 7–9 128 0-6
ISCJB V 12 19 56 54.7–.36 43.45N–.02 10.48E–.04 9–4 ¶12820027
CSEM V 12 19 56 55.6–.12 43.48N 10.56E 15 2.7L
ROM V 12 19 56 55.6–.21 43.49N 10.56E 8–2 2.5L
GEN V 12 19 56 55.1 43.44N 10.63E 11 2.5L
LDG V 12 19 56 56.0–.09 43.46N 10.60E 2 2.7L
VIE V 12 19 56 58.0–.93 43.51N 10.56E 5 2.7L,2.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=173.1.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=16.0.
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=70.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=36.0.
VIE Error ellipse: s-maj=14.9km s-min=6.3km az=77.0. 63 km WSW of Florence .
ROM V 13 22 45 28.9–.05 42.24N 13.52E 10–0 1.7L
CSEM V 13 22 45 28.9 42.24N 13.52E 10 1.7L ¶14849566
ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC V 14 06 30 23.5–.83 42.48N–.02 13.35E–.02 8–5 190 0-7
ISCJB V 14 06 30 22.3–.21 42.48N–.02 13.34E–.02 9–2 ¶12821491
ROM V 14 06 30 22.5–.07 42.48N 13.40E 10–0 3.5L
CSEM V 14 06 30 23.0–.09 42.47N 13.34E 2 3.9L
PDG V 14 06 30 24.1–.41 42.44N 13.42E 10–1 3.6L
LDG V 14 06 30 25.1–99 42.30N 13.30E 2 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=29.9.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=43.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.7km az=0.0.
LDG Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=99.0.
ISC V 14 06 32 34.5–.77 42.48N–.02 13.37E–.02 9–4 171 0-7
ISCJB V 14 06 32 33.7–.23 42.48N–.02 13.35E–.02 9–2 ¶12821492
ROM V 14 06 32 33.7–.07 42.49N 13.41E 9–0 3.5L
CSEM V 14 06 32 34.3–.10 42.47N 13.35E 2 3.2L
PDG V 14 06 32 35.2–.27 42.28N 13.43E 10–1 3.5L
LDG V 14 06 32 37.7–.12 42.36N 13.14E 2 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=35.5.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=95.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=37.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=2.2km az=0.0.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=51.0.
ISC V 14 20 30 55.8–.76 42.38N–.02 13.32E–.02 10–5 3.5b 218 0-48
IDC V 14 20 30 55.0–1.4 42.51N 13.09E 0 3.5,3.4 ¶12824921
ISCJB V 14 20 30 54.6–.22 42.37N–.02 13.29E–.02 12–1 3.4b,3.1s
ROM V 14 20 30 54.9–.08 42.37N 13.33E 10–0 3.5L,3.1s
PDG V 14 20 30 55.8–.60 42.39N 13.33E 11–0 3.5L,3.1s
BEO V 14 20 30 55.2–.90 42.39N 13.03E 13–2 3.6L,3.1s
VIE V 14 20 30 55.2–.46 42.38N 13.53E 5 3.5b,3.4L
LDG V 14 20 30 55.6–.14 42.37N 13.34E 2 3.2L,3.4L
CSEM V 14 20 30 56.7–.12 42.36N 13.20E 20 3.4L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=14.3km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=28.6.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=41.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
BEO Event type ke.
VIE Error ellipse: s-maj=5.7km s-min=2.6km az=122.0.
LDG Event type ke. Error ellipse: s-maj=6.0km s-min=3.3km az=38.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=15.0.
ROM V 15 03 44 41.0–.13 42.35N 13.37E 8–0 1.7,1.3L

CSEM V 15 03 44 41.0 42.35N 13.37E 8 1.7,1.3L ¶14849742
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 15 14 16 21.8–.25 42.45N 13.36E 9–3 1.6,1.5L
CSEM V 15 14 16 21.8 42.45N 13.36E 9 1.6,1.5L ¶14849775
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.1km az=70.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 17 01 59 02.9–.09 42.32N 13.53E 9–1 2.2,1.3L
CSEM V 17 01 59 02.9 42.32N 13.53E 9 2.2,1.3L ¶14849995
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 17 22 25 21.9–.07 42.29N 13.49E 10–0 2.2,1.4L
CSEM V 17 22 25 21.9 42.29N 13.49E 10 2.2,1.4L ¶14850123
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 18 04 21 59.5–.09 42.39N 13.39E 9–1 2.0,1.3L
CSEM V 18 04 21 59.2–.18 42.39N 13.40E 20–0 1.4L,1.3L ¶14850161
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=17.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=27.0.
ROM V 18 09 50 29.5–.08 42.47N 13.40E 10–0 1.6,1.6L
CSEM V 18 09 50 29.5 42.47N 13.40E 10 1.6,1.6L ¶14850194
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=74.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 18 20 11 22.1–.06 42.22N 13.51E 10–0 2.2,1.6L
CSEM V 18 20 11 22.1 42.22N 13.51E 10 2.2,1.6L ¶14850251
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC V 21 02 04 32.9–.80 42.46N–.02 13.39E–.02 12–4 107 0-6
ISCJB V 21 02 04 31.9–.28 42.44N–.02 13.37E–.03 13–2 ¶12847735
ROM V 21 02 04 32.4–.06 42.45N 13.39E 11–0 3.1L
CSEM V 21 02 04 32.4–.12 42.45N 13.37E 2 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=161.4.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=76.0.
ROM V 21 16 55 58.5–.57 43.51N 12.93E 25–5 1.8,1.5L
CSEM V 21 16 55 59.3–.32 43.51N 12.90E 19–0 1.8L,1.5L ¶14850572
ROM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=122.0.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=6.9km az=118.0.
CSEM V 22 17 00 59.6 42.25N 13.46E 10
¶16375139
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 23 15 11 48.7–.43 42.79N 13.91E 27–3 2.3,1.6L
CSEM V 23 15 11 49.8–.19 42.83N 13.83E 20 2.3,1.6L ¶14850797
ROM Event type ke. Error ellipse: s-maj=8.3km s-min=2.4km az=152.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=5.2km az=131.0.
ISC V 23 17 24 22.8–.80 42.52N–.02 13.31E–.02 15–5 85 0-7
ISCJB V 23 17 24 22.0–.30 42.51N–.02 13.30E–.03 15–3 ¶12854297
ROM V 23 17 24 22.4–.05 42.50N 13.30E 12–1 3.2L
CSEM V 23 17 24 22.5–.15 42.51N 13.31E 5 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=157.7.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=74.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=79.0.
ROM V 24 01 17 03.6–.13 43.57N 12.48E 7–1 1.7
CSEM V 24 01 17 03.6 43.57N 12.48E 7 1.7 ¶14850840
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=165.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 24 01 17 12.9–.10 42.39N 13.34E 17–1 2.1,1.0L
CSEM V 24 01 17 12.9 42.39N 13.34E 17 2.1,1.0L ¶14850843
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=118.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 24 02 04 45.6–.08 42.96N 13.17E 10–0 0.8L
¶14850848
ROM Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=73.0.
ROM V 24 19 14 03.5–.11 42.49N 13.27E 7–1 1.5L
CSEM V 24 19 14 03.5 42.49N 13.27E 7 1.5L ¶14850916
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=133.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC V 25 16 37 28.7–.82 42.26N–.02 13.53E–.02 5–5 3.5b 161 0-68
PRU V 25 16 37 27.6 42.14N 13.56E 0 3.5b ¶12862188
IDC V 25 16 37 28.8–1.2 42.34N 14.02E 0 3.5,3.3L
ROM V 25 16 37 28.1–.08 42.27N 13.57E 8–0 3.4L,3.3L
CSEM V 25 16 37 28.7–.09 42.26N 13.53E 5 3.8L,3.3L
LDG V 25 16 37 31.0–.19 42.23N 13.47E 2 2.9L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=14.3km az=94.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=52.0.
LDG Event type ke. Error ellipse: s-maj=7.2km s-min=4.3km az=44.0.
ROM V 25 22 16 47.1–.12 42.27N 13.47E 7–1 1.8,0.9L
¶14851002
ROM Event type ke. Error ellipse: s-maj=4.3km s-min=0.6km az=28.0.
ROM V 25 23 17 21.0–.24 42.40N 13.35E 6–1 1.5
¶14851007
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=1.0.
ROM V 26 01 15 18.3–.06 42.30N 13.48E 10–0 2.2,1.7L
CSEM V 26 01 15 18.3 42.30N 13.48E 10 2.2,1.7L ¶14851021
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=56.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 27 00 12 46.4–.27 42.36N 13.51E 8 1.5,1.1L
¶14851114
ROM Event type ke. Error ellipse: s-maj=4.4km s-min=0.7km az=29.0.
ROM V 29 07 28 17.2–.08 42.41N 13.38E 10–0 1.9,1.5L
CSEM V 29 07 28 18.3–.18 42.42N 13.35E 2 1.8L,1.5L ¶14851257
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=118.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=77.0.
ISC V 30 02 55 10.9–.72 42.36N–.02 13.33E–.02 8–4 3.6b 243 0-67
ISCJB V 30 02 55 09.7–.21 42.34N–.01 13.33E–.02 11–1 3.5b ¶12869565
LDG V 30 02 55 09.8–.11 42.35N 13.35E 2 3.4L
SZGRF V 30 02 55 09.9 42.22N 13.72E 10 3.8b
CSEM V 30 02 55 10.3–.11 42.35N 13.31E 2 4.2L
PRU V 30 02 55 10.5 42.33N 13.58E 0 4.2L
IDC V 30 02 55 10.4–1.2 42.48N 13.19E 0 3.5,3.5L
ROM V 30 02 55 10.0–.06 42.35N 13.34E 11–0 3.6L,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=141.9.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=39.0.
SZGRF Central Italy.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=55.0.
IDC Error ellipse: s-maj=19.2km s-min=15.1km az=91.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=65.0.
ISC V 31 03 36 18.9–.76 42.40N–.02 13.40E–.02 14–4 120 0-7
ISCJB V 31 03 36 19.0–.27 42.39N–.02 13.41E–.03 15–2 ¶12870894
LDG V 31 03 36 19.3–.12 42.37N 13.38E 2 2.8L
ROM V 31 03 36 19.4–.06 42.38N 13.39E 9–0 3.0L
CSEM V 31 03 36 19.5–.12 42.39N 13.40E 10 3.5L
GEN V 31 03 36 23.6 42.26N 13.28E 72 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=166.4.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=58.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=66.0.
ROM VI 01 02 08 10.4–.14 42.80N 13.42E 23–2 2.2,2.2L
CSEM VI 01 02 08 10.2–.23 42.82N 13.48E 20 2.9L,2.2L ¶14851570
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=119.0.
ROM VI 01 02 08 12.2–.12 42.36N 13.38E 8–1 2.2,1.7L
CSEM VI 01 02 08 12.2 42.36N 13.38E 8 2.2,1.7L ¶14851573
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 01 08 02 48.3–.09 42.36N 13.35E 8–0 1.8,1.3L
CSEM VI 01 08 02 48.3 42.36N 13.35E 8 1.8,1.3L ¶14851590
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 02 18 19 14.5–.04 42.32N 13.38E 8–0 1.3,1.2L
¶14851690
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.2km az=23.0.
ROM VI 03 18 28 24.1–.09 42.49N 13.33E 15–1 1.8,1.4L
CSEM VI 03 18 28 24.1 42.49N 13.33E 15 1.8,1.4L ¶14851784
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 04 06 36 52.8–.09 42.35N 13.35E 9–0 1.6,1.3L
CSEM VI 04 06 36 52.8 42.35N 13.35E 9 1.6,1.3L ¶14851861
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=8.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 06 22 02 59.7–.19 42.31N 13.42E 11–1 1.5,1.3L
¶14852073
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=29.0.
ROM VI 06 23 53 38.3–.24 42.26N 13.52E 8–2 1.6,1.6L
¶14852082
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=63.0.
ROM VI 07 00 08 41.5–.10 42.30N 13.58E 6–1 2.1,1.7L
CSEM VI 07 00 08 41.5 42.30N 13.58E 6 2.1,1.7L ¶14852095
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=13.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 07 02 48 34.9–.91 43.50N–.02 10.54E–.03 16–6 86 0-6
ROM VI 07 02 48 34.8–.27 43.51N 10.54E 8–2 2.5,2.4L ¶13046290
CSEM VI 07 02 48 34.9–.10 43.50N 10.54E 15 2.7L,2.4L
ISCJB VI 07 02 48 35.1–.44 43.51N–.03 10.51E–.04 24–6 2.7L,2.4L
LDG VI 07 02 48 35.0–.15 43.44N 10.64E 5 2.6L,2.4L
GEN VI 07 02 48 35.4 43.53N 10.54E 27 2.3L,2.4L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=65.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=139.2.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=149.0.
ISC VI 07 19 21 35.6–.72 42.34N–.02 13.46E–.02 8–4 3.5b 165 0-68
ISCJB VI 07 19 21 34.2–.22 42.32N–.02 13.44E–.02 9–2 3.5b ¶12948618
ROM VI 07 19 21 34.4–.06 42.34N 13.48E 11–0 3.6L
CSEM VI 07 19 21 34.7–.10 42.33N 13.45E 2 3.9L
IDC VI 07 19 21 35.4–1.2 42.53N 13.32E 0 3.7,3.5
LDG VI 07 19 21 37.6–.23 42.30N 13.31E 2 3.2L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=142.4.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=51.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=55.0.
IDC Error ellipse: s-maj=20.2km s-min=14.0km az=95.0.
LDG Event type ke. Error ellipse: s-maj=11.0km s-min=5.1km az=44.0.
ISC VI 08 05 11 01.1–.66 43.48N–.02 10.53E–.02 13–4 101 0-6
GEN VI 08 05 11 00.5 43.45N 10.64E 10 2.5L ¶12948632
LDG VI 08 05 11 01.6–.14 43.48N 10.60E 5 2.7L
ISCJB VI 08 05 11 01.2–.38 43.48N–.02 10.52E–.04 19–5 2.7L
CSEM VI 08 05 11 01.0–.08 43.48N 10.56E 15 2.8L
ROM VI 08 05 11 01.3–.23 43.50N 10.55E 10–2 2.4L
VIE VI 08 05 11 07.7–.87 43.76N 10.18E 10 2.6L,2.4b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=8.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=149.5.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=30.0.
ROM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=65.0.
VIE Error ellipse: s-maj=11.0km s-min=5.7km az=110.0. 86 km W of Florence .
ROM VI 08 08 04 54.0–.22 42.39N 13.40E 9–2 1.8,1.1L
CSEM VI 08 08 04 54.0 42.39N 13.40E 9 1.8,1.1L ¶14852197
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 09 10 37 59.1–1.0 43.46N–.02 10.48E–.02 9–7 231 0-66
ISCJB VI 09 10 37 58.5–.28 43.46N–.02 10.55E–.02 11–2 3.3b,3.2s ¶12952907
GEN VI 09 10 37 58.4 43.43N 10.67E 12 3.2L,3.2s
IDC VI 09 10 37 58.9–1.7 43.45N 10.72E 0 3.4,3.3L
LDG VI 09 10 37 58.2–.10 43.46N 10.48E 2 3.4L,3.3L
ROM VI 09 10 37 59.6–.23 43.51N 10.56E 9–2 3.3L,3.3L
CSEM VI 09 10 37 59.0–.12 43.46N 10.53E 5 3.8L,3.3L
SZGRF VI 09 10 38 02.0 43.47N 10.49E 10 3.6b,3.3L
VIE VI 09 10 38 03.3–.54 43.66N 10.45E 8 3.3L,2.9b
STR VI 09 10 38 06.6–.48 43.75N 9.88E 10 3.3L,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=164.0.
IDC Error ellipse: s-maj=39.7km s-min=18.7km az=106.0.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=11.0.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=62.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=11.0.
SZGRF Central Italy.
VIE Error ellipse: s-maj=4.8km s-min=3.8km az=123.0. 65 km W of Florence .
STR Event type ke.
ROM VI 09 14 47 45.9–.05 42.35N 13.48E 10–0 2.6L
CSEM VI 09 14 47 45.9 42.35N 13.48E 10 2.6L ¶12954640
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 11 07 04 49.9–.75 42.33N–.02 13.41E–.02 13–4 120 0-8
ISCJB VI 11 07 04 49.5–.27 42.32N–.02 13.39E–.03 14–2 ¶12977504
ROM VI 11 07 04 49.9–.05 42.33N 13.44E 10–0 3.3L,3.2
CSEM VI 11 07 04 50.2–.12 42.32N 13.39E 5 3.7L,3.2
LDG VI 11 07 04 52.5–.23 42.35N 13.36E 2 3.1L,3.2
BEO VI 11 07 05 02.8 42.97N 14.39E 3.1L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=136.8.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=52.0.
LDG Event type ke. Error ellipse: s-maj=9.0km s-min=5.3km az=42.0.
BEO Event type ke.
ROM VI 11 23 34 37.1–.06 42.66N 12.73E 7–1 1.9,1.2L
CSEM VI 11 23 34 37.1 42.66N 12.73E 7 1.9,1.2L ¶14852466
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 14 05 12 46.0–.06 42.90N 13.12E 10–0 1.8,0.8L
CSEM VI 14 05 12 46.0 42.90N 13.12E 10 1.8,0.8L ¶14852641
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=84.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 14 21 05 19.8–.08 42.48N 13.29E 10–0 1.9,1.2L
CSEM VI 14 21 05 19.8 42.48N 13.29E 10 1.9,1.2L ¶14852691
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=69.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 16 18 52 58.4–.74 42.29N–.02 13.37E–.02 13–4 134 0-8
ROM VI 16 18 52 57.9–.07 42.29N 13.40E 10–0 3.1L ¶13115762
BEO VI 16 18 52 57.2–1.9 42.25N 13.19E 0 3.2L
ISCJB VI 16 18 52 58.0–.24 42.29N–.02 13.37E–.03 17–3 3.2L
CSEM VI 16 18 52 58.1–.11 42.30N 13.38E 5 3.5L
SZGRF VI 16 18 52 58.0 42.01N 13.67E 10 3.5L
LDG VI 16 18 53 00.5–.18 42.30N 13.28E 2 2.8L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=77.0.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=157.4.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=64.0.
SZGRF Central Italy.
LDG Event type ke. Error ellipse: s-maj=8.9km s-min=4.1km az=41.0.
ROM VI 19 02 57 30.9–.52 42.39N 13.41E 7–5 1.6
¶14853026
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=55.0.
ROM VI 19 09 15 18.6–.15 42.41N 13.31E 10–1 1.9,1.3L
CSEM VI 19 09 15 18.6 42.41N 13.31E 10 1.9,1.3L ¶14853062

ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 19 19 47 09.9–.73 42.30N–.01 13.37E–.01 14–4 234 0-8
ISCJB VI 19 19 47 09.1–.18 42.31N–.01 13.38E–.02 13–2 ¶13201567
LDG VI 19 19 47 09.1–.09 42.31N 13.36E 2 3.2L
ROM VI 19 19 47 09.5–.07 42.30N 13.38E 9–0 3.2L
CSEM VI 19 19 47 09.6–.09 42.31N 13.38E 8 3.8L
BEO VI 19 19 47 12.6–2.9 42.15N 13.26E 40–1 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=152.9.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=44.0.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=63.0.
BEO Event type ke.
ROM VI 20 00 01 48.4–.14 42.41N 13.42E 5–3 1.7,1.3L
¶14853116
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=1.2km az=24.0.
ISC VI 20 05 41 15.9–.76 42.34N–.02 13.37E–.02 16–4 128 0-8
ROM VI 20 05 41 16.0–.06 42.32N 13.37E 10–0 3.0L ¶13201583
LDG VI 20 05 41 16.6–.22 42.35N 13.33E 2 3.0L
CSEM VI 20 05 41 16.0–.12 42.34N 13.37E 10 3.5L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=59.0.
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=58.0.
ROM VI 20 08 29 02.0–.10 42.30N 13.39E 5 1.7
¶14853134
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=9.0.
ROM VI 20 09 32 42.6–.05 42.27N 13.49E 10–0 1.6L
CSEM VI 20 09 32 42.6 42.27N 13.49E 10 1.6L ¶14853135
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=16.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 20 23 25 39.6–.86 43.25N–.02 10.77E–.02 15–7 77 0-5
CSEM VI 20 23 25 39.9–.12 43.23N 10.78E 15 3.1L ¶13256406
LDG VI 20 23 25 39.6–.38 43.33N 11.04E 25 2.6L
ISCJB VI 20 23 25 40.1–.37 43.22N–.02 10.75E–.04 22–5 2.6L
ROM VI 20 23 25 40.2–.23 43.25N 10.81E 9–2 2.3,2.2L
GEN VI 20 23 25 41.1 43.28N 10.81E 2 2.3L,2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=28.0.
LDG Event type ke. Error ellipse: s-maj=11.5km s-min=6.2km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=153.9.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=59.0.
ISC VI 21 00 55 18.1–.82 42.27N–.02 13.48E–.02 7–5 113 0-6
ISCJB VI 21 00 55 17.4–.26 42.28N–.02 13.47E–.03 4–3 ¶13202265
ROM VI 21 00 55 17.3–.06 42.28N 13.48E 10–0 3.2L
CSEM VI 21 00 55 17.5–.11 42.28N 13.47E 2 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=157.0.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=69.0.
ISC VI 21 16 31 10.8–.80 42.59N–.01 13.24E–.02 15–5 144 0-7
GEN VI 21 16 31 09.2 42.33N 13.68E 26 3.5L ¶13202290
ISCJB VI 21 16 31 10.8–.23 42.55N–.02 13.18E–.02 14–2 3.5L
LDG VI 21 16 31 11.7–.19 42.57N 13.26E 10 3.2L
ROM VI 21 16 31 11.0–.07 42.56N 13.19E 10–0 3.3L
CSEM VI 21 16 31 11.3–.10 42.56N 13.18E 5 3.7L,3.0s
PRU VI 21 16 31 13.0 42.57N 13.43E 7 3.7L,3.0s
VIE VI 21 16 31 14.5–1.3 42.68N 13.20E 10 3.0s,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=140.7.
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=4.3km az=61.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=61.0.
VIE Event type ke. Error ellipse: s-maj=17.1km s-min=9.4km az=49.0.
ISC VI 22 20 58 41.7–.39 42.45N–.01 13.35E–.01 15–2 4.7b,4.6s 1011 0-88
STR VI 22 20 58 29.0–3.5 41.89N 14.53E 10 4.3L,4.6s ¶13217750
ISCJB VI 22 20 58 39.7–.17 42.50N–.01 13.36E–.01 10–1 4.5b,4.5s
PRU VI 22 20 58 39.5 42.53N 13.21E 0 4.7,4.5s
LDG VI 22 20 58 39.5–.07 42.46N 13.31E 10 4.3L,4.5s
IDC VI 22 20 58 39.7–.54 42.55N 13.26E 0 4.4,4.3
PDG VI 22 20 58 40.5–.63 42.48N 13.35E 10–0 4.5L,4.3
SZGRF VI 22 20 58 40.0 42.30N 13.53E 10 4.8b,4.3
BJI VI 22 20 58 40.3 43.01N 13.11E 15 5.0s,4.9b
NEIC VI 22 20 58 40.0 42.45N 13.36E 14 4.7b,4.7W
MOS VI 22 20 58 40.0–.99 42.57N 13.36E 10 5.0b,4.7W
CSEM VI 22 20 58 40.4–.07 42.48N 13.36E 2 4.8b,4.7L
ROM VI 22 20 58 40.2–.04 42.45N 13.35E 14–0 4.6L,4.7L
PDA VI 22 20 58 41.2 42.54N 13.40E 5 4.7b,4.7L
ISC Event type fe.
STR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.4km az=34.0.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=19.0.
IDC Error ellipse: s-maj=11.0km s-min=9.2km az=102.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
SZGRF Central Italy.
NEIC Event type fe. Felt [VI] at Fano Adriano, Scoppito and Tornimparte; [V] at L'Aquila and Pizzoli; [IV] at Ascoli Piceno, Avezzano, Bellante, Campli, Celano, Colleferro, Isola del Gran Sasso d'Italia, Magliano de' Marsi, Montorio al Vomano, Penne, Rieti, Roseto degli Abruzzi and Teramo; [III] at Chieti, Ciampino, Frosinone, Guidonia Montecelio, Latina, Macerata, Monterotondo, Montesilvano, Pescara, Rome, Sulmona, Terni, Tivoli and Velletri. Felt throughout Abruzzo, Lazio, Marche and Umbria and in parts of Campania and Molise. After ROM. Moment Tensor Solution. $M_0 1.50000 \times 10^{16}$
MOS Error ellipse: s-maj=4.1km s-min=2.7km az=97.3.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=28.0.
ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=74.0.
ISC VI 22 22 49 20.7–.79 42.44N–.02 13.33E–.02 15–4 96 0-3
ROM VI 22 22 49 20.2–.05 42.44N 13.33E 14–1 3.1L ¶13903803
CSEM VI 22 22 49 20.3–.10 42.44N 13.31E 10 3.6L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=77.0.
ROM VI 22 23 24 52.2–.27 42.45N 13.36E 12–7 1.6,1.5L
¶14853320
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=165.0.
ISC VI 23 00 41 57.4–.64 42.46N–.01 13.35E–.02 15–4 4.0b 795 0-82
IDC VI 23 00 41 56.0–1.2 42.57N 13.13E 0 3.9,3.8b ¶13217765
SZGRF VI 23 00 41 55.4 42.28N 13.73E 10 3.9,3.8b
LDG VI 23 00 41 55.4–.08 42.47N 13.30E 2 3.6L,3.8b
NEIC VI 23 00 41 56.0 42.44N 13.31E 5 4.0b,3.8L
ROM VI 23 00 41 56.1–.06 42.44N 13.37E 15–1 4.0L,3.8L
PRU VI 23 00 41 56.9 42.51N 13.49E 0 4.0,3.8L
CSEM VI 23 00 41 56.6–.06 42.48N 13.34E 2 4.4L,3.9b
PDG VI 23 00 41 56.5–.40 42.51N 13.34E 12–1 3.9L,3.9b
ISCJB VI 23 00 41 56.2–.20 42.47N–.01 13.33E–.01 13–1 4.0b,2.8s
MOS VI 23 00 41 58.6–.91 42.53N 13.32E 33 4.1b,2.8s
THE VI 23 00 42 05.5 42.37N 13.99E 21–29 4.3L,2.8s
STR VI 23 00 42 07.9–.38 43.10N 12.82E 10 3.6L,2.8s
ISC Event type fe.
IDC Error ellipse: s-maj=19.5km s-min=12.3km az=86.0.
SZGRF Central Italy.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=34.0.
NEIC Event type fe. Felt [IV] at Campli, Castellalto, L'Aquila and Valle Castellana; [III] at Ascoli Piceno, Atri, Avezzano, Bellante, Canzano, Isola del Gran Sasso d'Italia, Montorio al Vomano and Teramo; [II] at Castelraimondo, Chieti, Fara in Sabina, Folignano, Foligno, Frosinone, Giulianova, Guidonia, Introdacqua, Macerata, Monterotondo, Palestrina, Palombara Sabina, Petriolo, Pineto, Pratola Peligna, Rieti, Rome, Sambuceto, San Benedetto del Tronto, Scurcola Marsicana, Sora, Spoleto, Sulmona, Terni, Tolentino, Tortoreto and Villa Adriana. After ROM.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=28.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=34.5.
MOS Error ellipse: s-maj=4.6km s-min=3.2km az=109.8.
THE Event type ke. Error ellipse: s-maj=35.2km s-min=3.5km az=280.0.
STR Event type ke.
ROM VI 23 04 22 10.4–.33 42.47N 13.38E 14–4 1.5,1.1L
¶14853406
ROM Event type ke. Error ellipse: s-maj=8.7km s-min=2.3km az=13.0.
ISC VI 23 05 34 17.8–.81 42.46N–.02 13.36E–.02 13–4 73 0-3
ISCJB VI 23 05 34 17.0–.39 42.46N–.02 13.36E–.03 14–4 ¶13217776
ROM VI 23 05 34 17.2–.07 42.46N 13.36E 11–0 2.5,2.4L
CSEM VI 23 05 34 17.4–.11 42.46N 13.34E 10 2.8L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=161.8.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=88.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=70.0.
ROM VI 23 08 34 15.6–.06 42.47N 13.37E 13–0 1.9L,1.8
CSEM VI 23 08 34 15.6 42.47N 13.37E 13 1.8,1.8 ¶16606190
ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 23 08 35 09.1–.72 42.48N–.02 13.34E–.02 12–4 196 0-48
IDC VI 23 08 35 08.0–1.3 42.56N 13.36E 0 3.5,3.4 ¶16439391
LDG VI 23 08 35 08.2–.11 42.45N 13.31E 2 3.3L,3.4
CSEM VI 23 08 35 08.5–.10 42.47N 13.31E 2 4.0L,3.2s
ROM VI 23 08 35 08.5–.08 42.47N 13.35E 11–0 3.6L,3.2s
PRU VI 23 08 35 08.1 42.43N 13.66E 0 3.6L,3.2s
ISCJB VI 23 08 35 08.0–.21 42.47N–.02 13.31E–.02 13–2 3.5b,3.2s
VIE VI 23 08 35 09.2–.44 42.48N 13.41E 10 3.5L,3.2b
PDG VI 23 08 35 09.1–.54 42.48N 13.34E 10–0 3.7L,3.2b
BEO VI 23 08 35 34.7 42.89N 15.81E 0 3.7L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=35.8km s-min=14.1km az=96.0.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=49.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=48.0.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=97.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=39.1.
VIE Error ellipse: s-maj=16.2km s-min=2.3km az=82.0. 100 km NE of Rome .
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
BEO Event type ke.
ISC VI 23 20 58 51.2–.71 42.44N–.02 13.30E–.02 11–4 143 0-48
ROM VI 23 20 58 50.3–.04 42.44N 13.35E 13–1 3.2L ¶13231845
ISCJB VI 23 20 58 50.1–.23 42.44N–.02 13.35E–.03 11–2 3.1b
IDC VI 23 20 58 50.5–1.4 42.61N 13.07E 0 3.2,3.2b
CSEM VI 23 20 58 50.6–.11 42.43N 13.34E 2 3.6L,3.2b
LDG VI 23 20 58 50.2–.14 42.43N 13.30E 2 2.7L,3.2b
PRU VI 23 20 58 51.7 42.43N 13.48E 3 2.7L,3.2b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=165.7.
IDC Error ellipse: s-maj=43.1km s-min=15.3km az=98.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=75.0.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=44.0.
ROM VI 24 01 43 42.7–.08 42.30N 13.46E 10–0 1.9L
CSEM VI 24 01 43 42.7 42.30N 13.46E 10 1.9L ¶14853489
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=48.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 24 02 05 14.6–.93 42.32N–.02 13.57E–.03 7–9 60 0-3
ROM VI 24 02 05 13.9–.12 42.32N 13.56E 9–1 2.5,1.8L ¶14853490
ISCJB VI 24 02 05 14.4–.43 42.32N–.02 13.55E–.04 11–6 2.5,1.8L
CSEM VI 24 02 05 14.5–.14 42.32N 13.56E 5 2.2L,1.8L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=159.1.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=66.0.
ROM VI 24 15 41 35.0–.13 42.50N 13.43E 10–1 1.7,1.5L
CSEM VI 24 15 41 35.0 42.50N 13.43E 10 1.7,1.5L ¶14853527
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=0.6km az=119.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 24 20 50 46.8–.08 42.46N 13.34E 11–0 1.9,1.4L
CSEM VI 24 20 50 46.8 42.46N 13.34E 11 1.9,1.4L ¶14853544
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 24 22 21 45.7–.08 42.57N 13.21E 10–0 1.9,1.2L
CSEM VI 24 22 21 45.7 42.57N 13.21E 10 1.9,1.2L ¶14853552
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 25 04 50 38.2–.11 42.37N 13.31E 7–1 1.5,0.7L
¶14853588
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=136.0.
ROM VI 25 14 38 35.3–.08 42.48N 13.36E 12–1 2.0,1.7L
CSEM VI 25 14 38 35.3 42.48N 13.36E 12 2.0,1.7L ¶14853609
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 25 20 01 15.3–.08 42.41N 13.37E 11–0 2.5L
CSEM VI 25 20 01 15.3 42.41N 13.37E 11 2.5L ¶13279123
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=103.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 25 20 16 14.3–.13 42.41N 13.34E 9–1 1.7,0.9L
CSEM VI 25 20 16 14.3 42.41N 13.34E 9 1.7,0.9L ¶14853636
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=81.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 25 21 00 09.2–.67 42.58N–.02 13.19E–.02 8–5 3.8b 335 0-62
SZGRF VI 25 21 00 07.7 42.25N 13.69E 10 4.0b ¶13279129
ISCJB VI 25 21 00 08.3–.20 42.58N–.01 13.17E–.02 11–1 3.8b
LDG VI 25 21 00 08.2–.08 42.59N 13.19E 2 3.5L
ROM VI 25 21 00 08.3–.08 42.56N 13.20E 10–0 3.9L
CSEM VI 25 21 00 08.7–.09 42.56N 13.17E 2 4.1L
PRU VI 25 21 00 09.6 42.60N 13.49E 4 4.1L
PDG VI 25 21 00 09.0–.49 42.58N 13.19E 11–0 3.7L
IDC VI 25 21 00 09.0–1.2 42.67N 13.16E 0 3.7,3.7b
STR VI 25 21 00 17.4–.67 43.26N 13.06E 5 3.5L,3.7b
ISC Event type ke.
SZGRF Central Italy.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=35.5.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=33.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=31.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
IDC Error ellipse: s-maj=31.3km s-min=12.2km az=99.0.
STR Event type ke.
ROM VI 25 21 44 55.2–.09 42.41N 13.40E 11–0 1.6,1.6L
CSEM VI 25 21 44 55.2 42.41N 13.40E 11 1.6,1.6L ¶16439512
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 25 21 45 36.1–.09 42.41N 13.36E 10–1 2.2L,2.0
CSEM VI 25 21 45 36.1 42.41N 13.36E 10 2.0,2.0 ¶16726561
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=145.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 25 23 31 55.0–.56 43.26N–.02 13.05E–.02 13–3 267 0-32
IDC VI 25 23 31 53.9–1.7 43.30N 13.41E 0 3.5,3.5 ¶13279136
ROM VI 25 23 31 54.6–.08 43.25N 13.09E 8–0 3.3L,3.5
PDG VI 25 23 31 55.4–.69 43.28N 13.06E 11–0 3.4L,3.5
CSEM VI 25 23 31 55.3–.08 43.25N 13.03E 5 3.7L,3.5
ISCJB VI 25 23 31 55.3–.21 43.27N–.01 13.05E–.02 17–2 3.5b,3.5
PRU VI 25 23 31 55.5 43.28N 13.39E 2 3.5b,3.5
LDG VI 25 23 31 55.1–.12 43.29N 13.10E 2 3.3L,3.5
STR VI 25 23 32 03.8–.82 43.64N 12.44E 5 3.3L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=47.7km s-min=15.6km az=97.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=82.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.

CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=22.7.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=47.0.
STR Event type ke.
ROM VI 26 02 14 21.9–.06 42.46N 13.35E 11–0 2.6L
CSEM VI 26 02 14 21.9 42.46N 13.35E 11 2.6L ¶13279143
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=37.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 26 02 14 43.1–.07 43.26N 13.08E 7–0 2.5L
CSEM VI 26 02 14 43.1 43.26N 13.08E 7 2.5L ¶16785696
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=93.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 26 07 14 30.4–.75 42.56N–.02 13.15E–.02 14–4 162 0-8
ISCJB VI 26 07 14 30.2–.25 42.56N–.02 13.16E–.02 13–2 ¶13279148
LDG VI 26 07 14 30.4–.11 42.56N 13.12E 2 3.3L
ROM VI 26 07 14 30.1–.07 42.56N 13.19E 10–0 3.5L
CSEM VI 26 07 14 30.7–.12 42.56N 13.16E 2 3.7L
PRU VI 26 07 14 32.2 42.57N 13.43E 6 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=32.3.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=46.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=38.0.
ROM VI 26 15 47 52.8–.14 42.58N 13.22E 10–0 1.2L
¶14853817
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=146.0.
ROM VI 27 02 08 10.4–.17 42.26N 13.49E 12–3 1.8,0.9L
CSEM VI 27 02 08 10.4 42.26N 13.49E 12 1.8,0.9L ¶14853875
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 27 07 35 02.6–.07 42.56N 13.21E 10–0 2.0,1.4L
CSEM VI 27 07 35 02.6 42.56N 13.21E 10 2.0,1.4L ¶14853895
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=21.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 28 00 17 29.6–.09 42.49N 13.44E 6–1 1.0
¶13903809
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=124.0.
ROM VI 28 00 17 40.5–.10 42.57N 13.19E 10–1 2.8L
CSEM VI 28 00 17 40.7–.10 42.57N 13.17E 10 3.2L ¶16718056
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=61.0.
ROM VI 28 08 15 50.9–.10 42.27N 13.58E 11–5 1.9,1.1L
CSEM VI 28 08 15 50.9 42.27N 13.58E 11 1.9,1.1L ¶13307195
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
CSEM VI 28 08 16 43.6–.08 42.56N 13.19E 12 2.8L
¶16439609
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=64.0.
ISC VI 29 05 54 33.3–.79 42.46N–.02 13.32E–.02 16–5 122 0-7
ISCJB VI 29 05 54 33.4–.26 42.45N–.02 13.34E–.02 13–2 ¶13307301
ROM VI 29 05 54 33.8–.05 42.46N 13.37E 13–1 3.2L
LDG VI 29 05 54 33.5–.11 42.45N 13.32E 2 2.9L
CSEM VI 29 05 54 33.8–.13 42.45N 13.33E 8 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=138.7.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=68.0.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=52.0.
ISC VI 29 06 02 45.6–.78 42.46N–.02 13.37E–.02 15–4 95 0-3
ISCJB VI 29 06 02 44.9–.34 42.45N–.02 13.35E–.03 14–3 ¶13903813
ROM VI 29 06 02 45.3–.06 42.46N 13.37E 12–1 3.0L
CSEM VI 29 06 02 45.2–.12 42.46N 13.36E 10 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=140.9.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=78.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=56.0.
ISC VI 30 00 38 11.5–.74 42.56N–.01 13.17E–.01 10–5 3.8b 519 0-62
SZGRF VI 30 00 38 08.6 42.11N 13.44E 10 3.7b ¶13307356
IDC VI 30 00 38 10.9–1.4 42.72N 12.85E 0 3.6,3.5
CSEM VI 30 00 38 10.7–.08 42.56N 13.16E 2 4.2L,3.5
ROM VI 30 00 38 10.4–.07 42.57N 13.19E 8–0 3.5L,3.5
NEIC VI 30 00 38 10.0 42.57N 13.20E 10 3.4L,3.5
ISCJB VI 30 00 38 10.2–.16 42.571N–.01 13.17E–.01 6–1 3.6b,3.3s
LDG VI 30 00 38 10.3–.10 42.54N 13.14E 2 3.3L,3.3s
PRU VI 30 00 38 12.6 42.56N 13.44E 10 3.3L,3.3s
STR VI 30 00 38 20.6–.67 43.15N 12.76E 10 3.3L,3.3s
ISC Event type fe.
SZGRF Central Italy.
IDC Error ellipse: s-maj=23.7km s-min=13.5km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=51.0.
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=54.0.
NEIC Event type fe. Felt [III] at San Mauro and [II] at Ascoli Piceno, Avezzano, Montorio al Vomano, Spoleto, Teramo and Terni. Also felt at L'Aquila and Poggio Mirteto. After ROM.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=144.7.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=42.0.
STR Event type ke.
ROM VI 30 04 31 59.6–.08 42.56N 13.21E 9–1 2.2,1.8L
CSEM VI 30 04 31 59.6 42.56N 13.21E 9 2.2,1.8L ¶14854388
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 30 20 18 28.7–.07 42.56N 13.21E 10–0 2.3L
CSEM VI 30 20 18 28.7–.15 42.55N 13.20E 20 2.8L ¶13316785
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=60.0.
ROM VI 30 21 31 44.1–.07 42.56N 13.21E 10–0 1.9L
CSEM VI 30 21 31 44.3–.09 42.56N 13.20E 12 2.5L ¶14854475
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=62.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=60.0.
ROM VI 30 23 39 26.2–.06 42.40N 13.37E 8–0 1.4,0.6L
¶14854499
ROM Event type ke. Error ellipse: s-maj=0.5km s-min=0.2km az=122.0.

(382) Adriatic Sea.

ISC I 10 12 02 28.6–1.2 43.13N–.03 15.90E–.04 7–9 36 1-5
BEO I 10 12 02 07.7 41.62N 13.69E 0 ¶13900610
ROM I 10 12 02 24.0–1.1 43.34N 16.50E 10 3.1L,2.9
CSEM I 10 12 02 31.3–.29 42.97N 15.91E 10 2.9,2.9
VIE I 10 12 02 35.2–.63 43.23N 15.70E 10 2.8L,2.6b
ISC Event type ke.
BEO Event type ke.
ROM Event type ke. Error ellipse: s-maj=20.3km s-min=7.5km az=64.0.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=5.9km az=87.0.
VIE Error ellipse: s-maj=6.6km s-min=4.7km az=78.0. 69 km WSW of Split .
ISC II 05 05 18 50.5–3.1 42.6N–.10 15.8E–.20 1–16 16 1-1
ROM II 05 05 18 50.1–.49 42.60N 16.27E 5 2.5L,2.3 ¶13900939
CSEM II 05 05 18 50.8–1.5 42.67N 15.81E 10 2.3,2.3
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=14.1km s-min=4.7km az=114.0.
CSEM Event type ke. Error ellipse: s-maj=34.6km s-min=8.1km az=130.0.
ISC II 15 13 41 07.9–1.1 42.24N–.03 15.89E–.02 15–9 122 0-4
CSEM II 15 13 41 07.1–.19 42.28N 15.86E 2 4.0L ¶13901159
ROM II 15 13 41 08.3–.43 42.22N 15.86E 9–6 3.0L,2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=73.0.
ROM Event type ke. Error ellipse: s-maj=5.3km s-min=2.4km az=38.0.
ISC II 24 05 22 13.1–1.4 42.86N–.03 16.71E–.03 2–11 64 1-4
PDG II 24 05 22 15.9–1.0 42.86N 16.89E 0–11 2.6L ¶11758343
CSEM II 24 05 22 15.7–.21 42.79N 16.56E 20 2.9
ROM II 24 05 22 17.6–2.7 42.44N 16.85E 10 2.9,2.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=5.2km az=54.0.
ROM Event type ke. Error ellipse: s-maj=40.4km s-min=9.8km az=11.0.
ISC III 25 04 50 10.2–1.2 44.94N–.03 14.75E–.04 4–11 32 0-2
VIE III 25 04 50 09.4–.85 44.92N 14.73E 8 2.2L,2.0b ¶14370182
CSEM III 25 04 50 09.9–.37 44.94N 14.80E 10 2.5,2.0b
ISC Event type ke.
VIE Error ellipse: s-maj=5.2km s-min=3.1km az=0.0. 53 km SSE of Rijeka .
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.5km az=57.0.
ISC III 28 09 04 04.7–.96 42.16N–.02 16.61E–.02 15–7 3.4b 655 1-90
ROM III 28 09 04 03.6–.17 42.19N 16.68E 10 3.9L ¶13437504
IDC III 28 09 04 04.7–1.0 42.29N 16.13E 0 3.6,3.6L
NEIC III 28 09 04 05.2–.26 42.15N 16.57E 10 4.0L,3.9L
CSEM III 28 09 04 05.2–.06 42.14N 16.50E 10 4.0L,4.0s
BEO III 28 09 04 05.1–.99 42.08N 16.59E 0 3.6L,4.0s
VIE III 28 09 04 05.8–.52 42.23N 16.53E 10 4.0s,3.6b
PDG III 28 09 04 05.0–.40 42.14N 16.49E 18–1 3.6L,3.6b
LDG III 28 09 04 06.2 42.21N 16.63E 30 3.6L,3.6b
PRU III 28 09 04 07.3 42.28N 16.58E 6 3.6L,3.6b
SOF III 28 09 04 09.7 42.08N 16.72E 38 2.8,3.6b
THE III 28 09 04 10.1 41.93N 16.71E 31–65 3.9L,3.6b
STR III 28 09 04 17.6–.72 42.63N 15.55E 5 4.7L,3.6b
ISC Event type fe.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=53.0.
IDC Error ellipse: s-maj=19.5km s-min=14.4km az=73.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=3.3km az=136.0. Felt [III] at Vieste and [II] at Manfredonia, Italy.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=30.0.
BEO Event type ke.
VIE Error ellipse: s-maj=5.5km s-min=3.5km az=81.0. 126 km NNW of Bari .
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
LDG Event type ke.
THE Event type ke. Error ellipse: s-maj=65.5km s-min=2.3km az=0.0.
STR Event type ke.
ISC V 01 17 08 49.0–1.3 42.91N–.03 17.50E–.03 2–10 82 0-4
BEO V 01 17 08 48.9–.85 42.88N 17.52E 0–4 2.5L ¶12936532
CSEM V 01 17 08 48.7–.32 42.89N 17.48E 2 2.4L
PDG V 01 17 08 50.2–.39 42.94N 17.58E 11–1 2.4L
ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=3.8km az=33.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.2km az=0.0.
ISC V 01 18 29 26.5–1.3 42.92N–.03 17.45E–.03 2–9 156 0-7
ISCJB V 01 18 29 25.8–.57 42.97N–.03 17.44E–.03 1–3 ¶12936533
CSEM V 01 18 29 26.8–.23 42.93N 17.46E 2 3.0L
BEO V 01 18 29 26.0–.61 42.86N 17.40E 1–4 3.2L
TIR V 01 18 29 26.9 42.44N 17.58E 1 3.9L
PDG V 01 18 29 27.4–.33 42.90N 17.52E 10–0 3.0L
VIE V 01 18 29 31.1–.87 43.18N 17.59E 8 2.9b,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.7km az=38.4.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.8km az=40.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.5km az=0.0.
VIE Error ellipse: s-maj=7.7km s-min=5.2km az=32.0. 98 km ESE of Split .
ISC V 01 21 39 35.6–.94 42.85N–.02 17.40E–.02 11–6 3.7b 347 0-72
IDC V 01 21 39 31.2–1.9 42.55N 17.08E 0 3.7,3.6 ¶13439265
SZGRF V 01 21 39 31.8 42.31N 17.60E 10 4.0b,3.6
ISCJB V 01 21 39 35.0–.37 42.85N–.01 17.37E–.02 14–2 3.6b,3.6
BEO V 01 21 39 35.9–.61 42.88N 17.39E 1–4 3.8L,3.6
PDG V 01 21 39 35.4–.58 42.87N 17.41E 3–1 3.8L,3.8
PRU V 01 21 39 36.6 42.71N 17.45E 10 3.8L,3.8
LDG V 01 21 39 36.1–.14 42.90N 17.48E 10 3.7L,3.8
TIR V 01 21 39 37.6 42.58N 17.47E 30 4.5L,3.8
VIE V 01 21 39 37.4–.45 42.91N 17.39E 10 4.1s,3.5L
CSEM V 01 21 39 37.1–.15 42.87N 17.40E 10 4.1s,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=14.7km az=32.0.
SZGRF Adriatic Sea.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=35.8.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=11.0.
VIE Error ellipse: s-maj=4.1km s-min=3.3km az=54.0. 101 km SE of Split .
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.1km az=26.0.
ISC V 01 21 55 46.3–1.1 42.93N–.02 17.44E–.02 7–8 177 0-45
IDC V 01 21 55 44.2–2.5 42.96N 17.73E 0 3.3,3.2 ¶12754046
PDG V 01 21 55 45.9–.52 42.95N 17.46E 0–11 3.0L,3.2
PRU V 01 21 55 45.3 42.66N 17.43E 10 3.0L,3.2
CSEM V 01 21 55 46.7–.20 42.94N 17.47E 2 3.6s,3.2
TIR V 01 21 55 46.0 42.58N 17.42E 12 3.9L,3.2
BEO V 01 21 55 46.7–.65 42.91N 17.45E 0–4 3.1L,3.2
VIE V 01 21 55 48.4–.72 43.01N 17.47E 10 3.6s,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=18.7km az=47.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=38.0.
BEO Event type ke.
VIE Error ellipse: s-maj=7.8km s-min=5.0km az=43.0. 99 km SE of Split .
ROM V 22 17 00 58.5–.25 42.02N 15.22E 6–2 2.9,2.7L
CSEM V 22 17 00 58.5 42.02N 15.22E 6 2.9,2.7L ¶12853294
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=13.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC V 30 19 05 02.0–2.8 41.96N–.03 17.37E–.05 19–6 34 1-1
CSEM V 30 19 05 00.7–.32 41.93N 17.39E 10 2.2L ¶14851395
ROM V 30 19 05 01.6–.48 41.92N 17.35E 10 2.6,2.2L
ISCJB V 30 19 05 02.2–.93 41.96N–.04 17.39E–.08 28–10 2.6,2.2L
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.
ISC VI 20 23 17 17.5–2.0 44.86N–.06 14.59E–.08 5–14 11 0-1
¶16876794
ISC Event type ke.
ISC VI 28 15 55 53.4–1.2 42.07N–.03 15.65E–.02 8–9 129 0-4
CSEM VI 28 15 55 52.8–.25 42.09N 15.67E 5 3.6L ¶13307275
ROM VI 28 15 55 53.6–.18 42.03N 15.63E 2–1 2.7,2.6L
ISCJB VI 28 15 55 54.2–.64 42.10N–.03 15.68E–.03 18–8 2.7,2.6L
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.

(383) Northwestern Balkan Peninsula.

ISC I 01 08 56 35.3–1.0 45.06N–.02 14.98E–.03 13–8 105 0-3
VIE I 01 08 56 34.1–.39 45.07N 14.99E 13–1 2.5L,2.2b ¶13900469
CSEM I 01 08 56 34.9–.30 45.07N 14.98E 5 3.1L,2.2b
ISCJB I 01 08 56 34.5–.53 45.08N–.02 14.98E–.03 5–3 3.1L,2.2b
ROM I 01 08 56 35.8–.67 45.05N 14.96E 5 2.8,2.4L
ISC Event type ke.
VIE Error ellipse: s-maj=2.3km s-min=1.4km az=170.0. 55 km SE of Rijeka .
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.5km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=137.9.
ROM Event type ke. Error ellipse: s-maj=13.6km s-min=5.9km az=63.0.
ISC I 03 21 58 35.7–1.2 43.88N–.02 17.09E–.02 4–8 206 1-10
BEO I 03 21 58 31.6–.67 43.79N 16.64E 9–9 3.3L ¶11594010
ISCJB I 03 21 58 34.5–.66 43.88N–.02 16.89E–.02 11–4 3.3L
PDG I 03 21 58 34.9–.63 43.89N 17.21E 5–1 3.5,3.4L
CSEM I 03 21 58 35.3–.13 43.91N 17.13E 2 3.3L,3.4L
LDG I 03 21 58 36.8–.13 43.96N 17.34E 10 3.3L,3.4L
PRU I 03 21 58 36.4 43.95N 17.27E 0 3.3L,3.4L
VIE I 03 21 58 37.6–.80 44.04N 17.50E 10 3.0L,2.9b

ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=23.3.
PDG Event type ke. Error ellipse: s-maj=2.2km s-min=3.5km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=33.0.
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=2.4km az=34.0.
VIE Error ellipse: s-maj=6.2km s-min=3.6km az=163.0. 77 km WNW of Sarajevo .
LJU I 04 15 58 25.6 46.22N 15.48E 11 0.5L
CSEM I 04 15 58 25.6 46.22N 15.48E 0 0.5L ¶14301015
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
ISC I 05 02 17 14.7–1.4 43.73N–.06 17.03E–.05 6–13 33 1-3
BEO I 05 02 17 11.6–1.1 43.90N 16.66E 0 2.5L ¶14701777
CSEM I 05 02 17 15.0–.48 43.70N 17.01E 2 2.5L
ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.9km s-min=8.4km az=31.0.
ISC I 05 11 32 34.2–1.2 43.30N–.03 17.44E–.03 0–10 90 0-142
BEO I 05 11 32 33.5–1.1 43.29N 16.87E 0 2.7L ¶11660146
PDG I 05 11 32 34.6–.35 43.26N 17.46E 6–1 2.7L
CSEM I 05 11 32 35.7–.25 43.31N 17.47E 2 2.7L
VIE I 05 11 32 37.9–.66 43.55N 17.73E 10 2.5b,2.4L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=3.3km az=42.0.
VIE Error ellipse: s-maj=10.3km s-min=4.9km az=59.0. 64 km WSW of Sarajevo .
LJU I 06 04 00 06.0 46.02N 14.40E 9 0.4L
CSEM I 06 04 00 06.0 46.02N 14.40E 0 0.4L ¶14301025
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
ISC I 06 17 27 41.7–1.3 45.22N–.05 14.55E–.05 17–21 12 0-1
¶16193527
ISC Event type ke.
ISC I 06 21 19 15.1–1.1 43.31N–.02 17.71E–.02 5–10 92 0-6
VIE I 06 21 19 15.8–.68 43.28N 17.86E 10 2.5b,2.3L ¶11660154
BEO I 06 21 19 15.5–1.1 43.20N 17.35E 24–14 2.6L,2.3L
CSEM I 06 21 19 15.5–.25 43.24N 17.65E 2 2.6L,2.3L
PDG I 06 21 19 16.6–.19 43.24N 17.75E 2–0 2.6L,2.3L
ISC Event type ke.
VIE Error ellipse: s-maj=9.6km s-min=5.3km az=51.0. 76 km SW of Sarajevo .
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.7km az=47.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.2km az=0.0.
ISC I 11 08 34 35.2–1.2 43.27N–.02 17.50E–.03 1–11 61 0-4
CSEM I 11 08 34 34.9–.47 43.19N 17.33E 2 2.7L ¶11660176
PDG I 11 08 34 36.0–.24 43.25N 17.58E 2–0 2.7L
BEO I 11 08 34 36.2–1.0 43.20N 17.27E 14–10 2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.2km s-min=5.3km az=59.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.1km az=0.0.
BEO Event type ke.
ISC I 11 12 16 18.6–1.2 43.30N–.03 17.62E–.03 5–10 59 0-4
CSEM I 11 12 16 17.9–.33 43.31N 17.62E 2 2.6L ¶11660177
PDG I 11 12 16 18.7–.17 43.30N 17.66E 5–1 2.6L
BEO I 11 12 16 19.7–.87 43.36N 17.64E 14–5 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.6km az=56.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.3km az=0.0.
BEO Event type ke.
LJU I 12 23 16 00.7 45.89N 14.72E 5 0.5L
CSEM I 12 23 16 00.7 45.88N 14.72E 0 0.5L ¶14301072
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
ISC I 13 00 33 58.4–1.3 46.38N–.03 15.08E–.04 0 18 0-1
ISCJB I 13 00 33 58.0–.73 46.39N–.04 15.08E–.06 0 ¶14301073
VIE I 13 00 33 57.8–.35 46.37N 15.09E 0 1.2L,0.5b
LJU I 13 00 33 57.9 46.39N 15.07E 0 1.2L,0.5b
CSEM I 13 00 33 58.0–.20 46.39N 15.08E 1 4.4s,3.3b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=7.1km s-min=4.1km az=142.7.
VIE Event type sr. Error ellipse: s-maj=2.4km s-min=1.5km az=179.0. 20 km NW of Celje .
Suspected Mining induced.
LJU Rockburst.
CSEM Event type sr. Error ellipse: s-maj=5.1km s-min=3.1km az=51.0. Suspected Mining induced.
ISC I 15 09 40 49.7–1.5 45.05N–.04 14.58E–.09 9–16 10 1-1
¶16193560
ISC Event type ke.
BEO I 16 13 48 31.5–.32 43.01N 21.91E 0 1.2L
CSEM I 16 13 48 30.2–.11 43.00N 21.90E 19–0 1.2L ¶14701826
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=16.0.
ISC I 18 01 13 03.6–.72 41.84N–.02 22.85E–.02 13–6 120 0-5
ISCJB I 18 01 13 03.0–.37 41.86N–.02 22.79E–.03 4–4 ¶14188969
SKO I 18 01 13 03.5 41.86N 22.84E 19 2.6L,2.3
SOF I 18 01 13 03.4 41.85N 22.88E 9 2.6,2.3
CSEM I 18 01 13 03.8–.13 41.84N 22.83E 10 2.6,2.3
THE I 18 01 13 04.2 41.83N 22.86E 2–1 2.5L,2.3
ATH I 18 01 13 04.9 41.76N 22.90E 5–2 3.3,2.3
BEO I 18 01 13 05.8–1.3 41.82N 22.70E 19–9 2.4L,2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=174.1.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=77.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=276.0.
ATH Error ellipse: s-maj=1.5km s-min=2.3km az=-1.0.
BEO Event type ke.
ISC I 18 02 05 29.0–2.0 45.91N–.07 17.19E–.05 7–16 21 1-4
ISCJB I 18 02 05 29.5–1.1 45.95N–.06 17.14E–.07 14–8 ¶15849868
CSEM I 18 02 05 29.9–.29 45.95N 17.17E 15 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.9km az=153.6.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.9km az=171.0.
ISC I 18 05 30 17.8–.82 42.36N–.02 19.93E–.02 8 65 0-4
BEO I 18 05 30 12.0–1.4 41.78N 19.84E 0 2.5L ¶11660229
TIR I 18 05 30 13.9–4.2 42.33N 20.41E 26–18 2.5L
ISCJB I 18 05 30 17.1–.49 42.37N–.03 19.94E–.03 8 2.5L
PDG I 18 05 30 17.8–.15 42.39N 19.90E 11–1 1.8L
CSEM I 18 05 30 17.2–.25 42.37N 19.94E 2 1.8L
ISC Event type ke.
BEO Event type ke.
TIR Error ellipse: s-maj=8.6km s-min=24.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=161.4.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=163.0.
ISC I 19 21 05 03.3–1.2 43.44N–.03 17.21E–.04 0–12 61 1-4
CSEM I 19 21 05 04.7–.45 43.41N 17.26E 2 2.4L ¶11660241
BEO I 19 21 05 04.2–.73 43.52N 17.13E 0 2.5L
PDG I 19 21 05 05.8–.35 43.28N 17.27E 4–1 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=6.3km az=56.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=2.2km az=0.0.
ISC I 20 00 35 33.6–.76 45.88N–.02 15.14E–.02 10 96 0-2
ISCJB I 20 00 35 33.2–.29 45.87N–.02 15.13E–.02 10 ¶14301131
LJU I 20 00 35 33.5 45.87N 15.12E 7 2.0L
VIE I 20 00 35 33.2–.23 45.87N 15.12E 11–2 2.2L,1.9b
CSEM I 20 00 35 33.3–.08 45.86N 15.13E 12 2.7L,1.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=3.6.
VIE Error ellipse: s-maj=1.7km s-min=1.3km az=170.0. 30 km WSW of Krsko .
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=161.0.
LJU I 21 02 37 56.9 46.39N 15.07E 0
¶14301141
LJU Rockburst.

ISC I 21 20 07 30.3–1.4 43.88N–.04 17.19E–.06 0–17 24 1-4
CSEM I 21 20 07 31.3–.44 43.93N 17.29E 2 2.6L ¶14701857
BEO I 21 20 07 32.1–.80 43.99N 17.27E 11–5 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.1km s-min=6.1km az=60.0.
BEO Event type ke.
ISC I 24 23 43 14.7–1.1 42.01N–.02 20.52E–.02 0–10 98 0-5
TIR I 24 23 43 12.9–1.9 42.01N 20.46E 2–999 2.7L ¶11660292
CSEM I 24 23 43 15.2–.17 42.00N 20.49E 2 2.7L
BEO I 24 23 43 16.5–.36 42.01N 20.45E 16–4 2.2L
PDG I 24 23 43 16.0–.14 42.06N 20.48E 7–0 2.3L
ISC Event type ke.
TIR Error ellipse: s-maj=2.8km s-min=7.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=32.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
CSEM I 25 04 48 38.7–.37 43.59N 16.48E 2 2.8L
VIE I 25 04 48 38.8–1.0 43.61N 16.75E 10 2.9b,2.5L ¶14368845
BEO I 25 04 48 41.1–1.1 43.47N 16.72E 0 2.8L,2.5L
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=4.0km az=36.0.
VIE Error ellipse: s-maj=16.2km s-min=7.4km az=74.0. 25 km ENE of Split .
BEO Event type ke.
ISC I 25 17 22 36.8–1.0 44.54N–.02 19.06E–.02 11–8 149 0-6
CSEM I 25 17 22 35.7–.13 44.55N 19.04E 2 3.0L ¶11660302
PDG I 25 17 22 35.9–.32 44.55N 18.99E 11–1 2.9L
BEO I 25 17 22 36.3–.28 44.51N 19.00E 7–2 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=70.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.9km az=0.0.
BEO Event type ke.
ISC I 26 20 13 29.1–.81 43.83N–.03 17.22E–.03 10 45 1-4
BEO I 26 20 13 28.7–.63 43.85N 17.12E 0 2.6L ¶14701883
ISCJB I 26 20 13 29.7–.51 43.89N–.03 17.34E–.04 10 2.6L
CSEM I 26 20 13 29.3–.34 43.86N 17.22E 2 2.6L
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=34.9.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.5km az=52.0.
ISC I 27 16 12 51.7–.74 42.94N–.02 20.37E–.02 10 98 0-6
ISCJB I 27 16 12 50.5–.33 42.95N–.02 20.37E–.02 10 ¶11660324
CSEM I 27 16 12 50.9–.16 42.93N 20.36E 2 2.9L
PDG I 27 16 12 51.6–.38 42.94N 20.32E 11–1 3.0,2.9L
BEO I 27 16 12 51.7–.31 42.94N 20.35E 0 3.0L,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=147.1.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=151.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.1km az=0.0.
BEO Event type ke.
CSEM I 28 06 11 14.0–.39 43.88N 17.16E 2 2.5L
BEO I 28 06 11 13.1–.70 43.86N 17.08E 0 2.5L ¶14701891
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=6.3km az=44.0.
BEO Event type ke.
ISC I 29 10 16 04.6–1.0 43.69N–.02 20.50E–.02 8–8 174 0-6
ISCJB I 29 10 16 04.1–.33 43.70N–.02 20.50E–.02 9–2 ¶11660350
PDG I 29 10 16 04.5–.52 43.72N 20.49E 10–1 2.9L,2.9
CSEM I 29 10 16 04.3–.12 43.70N 20.53E 2 3.7s,2.9
BEO I 29 10 16 05.2–.22 43.66N 20.46E 7–1 2.9L,2.9
VIE I 29 10 16 06.3–.35 43.83N 20.50E 10 3.7s,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=136.3.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.3km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=120.0.
BEO Event type ke.
VIE Error ellipse: s-maj=4.7km s-min=2.8km az=23.0. 112 km S of Beograd .
ISC I 30 04 06 47.9–1.2 43.41N–.03 17.69E–.03 0–10 72 1-4
CSEM I 30 04 06 48.1–.31 43.39N 17.70E 2 2.4L ¶11660374
BEO I 30 04 06 49.1–.62 43.41N 17.63E 10–3 2.5L
PDG I 30 04 06 51.0–.31 43.34N 17.90E 2–2 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.7km az=74.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=2.2km az=0.0.
CSEM I 30 14 16 36.7–.31 43.38N 17.72E 2 2.7L
BEO I 30 14 16 36.2–1.0 43.42N 17.54E 12–8 2.6L ¶11660380
PDG I 30 14 16 36.5–.28 43.39N 17.79E 1–1 2.7L
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.0km az=63.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.8km az=0.0.
ISC I 31 02 02 00.2–1.2 43.41N–.03 17.73E–.02 2–10 104 1-5
CSEM I 31 02 02 00.0–.24 43.39N 17.72E 2 2.5L ¶11660391
BEO I 31 02 02 00.7–.57 43.43N 17.60E 12–3 2.4L
PDG I 31 02 02 01.5–.32 43.38N 17.82E 2–1 2.5L
VIE I 31 02 02 03.9–.50 43.65N 17.87E 10 2.6b,2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=55.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=2.3km az=0.0.
VIE Error ellipse: s-maj=7.3km s-min=3.9km az=59.0. 49 km WSW of Sarajevo .
SKO II 02 23 54 10.0 41.81N 22.82E 3 1.3L,1.1
¶14358707
ISC II 03 22 09 12.3–1.0 44.38N–.02 18.00E–.02 13–7 3.6b 681 1-67
IDC II 03 22 09 09.6–.88 44.27N 17.90E 0 3.9L,3.7 ¶11667266
ISCJB II 03 22 09 10.7–.38 44.37N–.01 17.93E–.02 6–2 3.6b,3.7
PDG II 03 22 09 10.7–.46 44.30N 17.96E 5–0 3.9L,3.9
LDG II 03 22 09 11.0–.09 44.36N 18.07E 10 3.8L,3.9
MOS II 03 22 09 11.1–.89 44.36N 17.95E 13 4.1b,3.9
NEIC II 03 22 09 11.4 44.36N 18.06E 2 4.0L,3.9
BEO II 03 22 09 11.5–.32 44.33N 17.92E 0 3.7L,3.9
CSEM II 03 22 09 12.4–.07 44.36N 18.00E 10 3.7L,3.5s
SZGRF II 03 22 09 13.7 44.32N 18.18E 10 3.8b,3.5s
IPEC II 03 22 09 13.6–.47 44.30N 18.08E 30–3 3.0L,3.5s
PRU II 03 22 09 14.4 44.53N 17.92E 0 3.0L,3.5s
VIE II 03 22 09 15.0–.34 44.60N 17.94E 10 3.5s,3.4L
STR II 03 22 09 28.6–.49 44.65N 16.26E 10 3.8L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=14.7km s-min=10.4km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=137.7.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=31.0.
MOS Error ellipse: s-maj=5.1km s-min=3.0km az=103.1.
NEIC Event type se. After CSEM.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=47.0.
SZGRF Northwestern Balkan Peninsula.
IPEC Event type ke. Error ellipse: s-maj=3.6km s-min=1.9km az=131.0.
VIE Error ellipse: s-maj=2.9km s-min=1.8km az=156.0. 62 km S of Slavonski Brod .
STR Event type ke.
ISC II 04 19 01 36.9–1.0 44.33N–.02 17.73E–.02 11–8 3.7b 296 1-89
SZGRF II 04 19 01 35.2 44.05N 17.91E 10 3.7b ¶11667304
IDC II 04 19 01 36.1–1.1 44.38N 17.79E 0 3.8,3.6
BEO II 04 19 01 36.3–.53 44.29N 17.62E 9–4 3.2L,3.6
PDG II 04 19 01 36.3–.42 44.29N 17.66E 0–11 3.6L,3.6
ISCJB II 04 19 01 36.7–.48 44.41N–.01 17.71E–.02 11–3 3.7b,3.6
PRU II 04 19 01 37.1 44.25N 17.73E 11 3.7b,3.6
LDG II 04 19 01 37.0–.10 44.44N 17.87E 10 3.5L,3.6
CSEM II 04 19 01 37.3–.10 44.34N 17.72E 10 3.2L,3.6
VIE II 04 19 01 40.3–.36 44.60N 17.66E 10 3.3L,3.0b
ISC Event type ke.
SZGRF Northwestern Balkan Peninsula.
IDC Error ellipse: s-maj=15.0km s-min=10.9km az=29.0.
BEO Event type ke.

PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=40.4.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=36.0.
VIE Error ellipse: s-maj=3.1km s-min=2.5km az=0.0. 69 km SSW of Slavonski Brod .
ISC II 06 00 21 59.7–1.2 44.52N–.03 21.67E–.03 4–11 38 0-2
BEO II 06 00 22 00.8–.75 44.51N 21.64E 0 1.9L ¶14358865
CSEM II 06 00 22 00.8 44.51N 21.64E 0 1.9L
BUC II 06 00 22 01.6–3.0 44.61N 21.62E 10 2.7
ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BEO.
BUC Event type ke. Error ellipse: s-maj=23.6km s-min=16.0km az=10.0.
ISC II 06 02 18 52.4–.78 45.88N–.02 15.49E–.01 7–4 186 0-6
VIE II 06 02 18 52.1–.29 45.85N 15.48E 10–1 2.6L,2.1b ¶11670376
CSEM II 06 02 18 52.6–.12 45.86N 15.48E 10 3.2L,2.1b
ISCJB II 06 02 18 52.1–.25 45.89N–.02 15.48E–.02 12–1 3.2L,2.1b
LJU II 06 02 18 52.6 45.86N 15.47E 8 2.4L,2.1b
PRU II 06 02 18 54.3 45.94N 15.51E 12 2.4L,2.1b
SZGRF II 06 02 18 55.5 45.88N 15.47E 10 2.7b,2.1b
ISC Event type ke.
VIE Error ellipse: s-maj=2.0km s-min=1.5km az=126.0. 13 km S of Krsko .
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=170.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=1.0.
SZGRF Northwestern Balkan Peninsula.
ISC II 10 17 56 28.6–.85 45.70N–.02 15.58E–.02 12–5 151 0-5
ROM II 10 17 56 27.3–1.4 45.41N 15.65E 10 2.6,2.4L ¶11671843
ISCJB II 10 17 56 27.9–.38 45.68N–.02 15.59E–.02 9–2 2.6,2.4L
CSEM II 10 17 56 28.2–.18 45.68N 15.60E 10 3.3L,2.4L
LJU II 10 17 56 28.2 45.67N 15.57E 12 2.4L,2.4L
VIE II 10 17 56 28.0–.58 45.69N 15.58E 12–2 2.4L,2.3b
PRU II 10 17 56 30.5 45.82N 15.62E 13 2.4L,2.3b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=32.2km s-min=12.9km az=12.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=163.1.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=158.0.
VIE Error ellipse: s-maj=3.9km s-min=2.0km az=140.0. 22 km N of Karlovac .
ISC II 10 20 23 45.2–.93 43.25N–.02 20.84E–.02 10–7 83 0-4
ISCJB II 10 20 23 44.3–.35 43.25N–.02 20.83E–.03 11–3 ¶14358979
BEO II 10 20 23 45.8–.23 43.23N 20.83E 3–2 2.5L
CSEM II 10 20 23 45.2–.14 43.25N 20.83E 10 2.5L
SKO II 10 20 23 47.5 43.21N 20.80E 11 2.1L,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=139.6.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=43.0.
ISC II 10 21 39 10.9–1.4 45.29N–.05 15.16E–.02 9–8 73 0-2
ISCJB II 10 21 39 10.1–.85 45.28N–.04 15.16E–.04 5–7 ¶14340476
VIE II 10 21 39 10.9–.48 45.31N 15.17E 7–2 2.1L,1.9b
CSEM II 10 21 39 10.3–.23 45.26N 15.17E 5 2.7L,1.9b
LJU II 10 21 39 11.0 45.32N 15.15E 14 1.9L,1.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=178.0.
VIE Error ellipse: s-maj=3.0km s-min=1.5km az=160.0. 36 km WSW of Karlovac .
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=1.9km az=173.0.
ISC II 11 01 02 55.0–1.2 43.46N–.03 17.24E–.03 2–10 93 1-4
BEO II 11 01 02 51.8–.83 43.31N 16.83E 0 2.6L ¶11758335
VIE II 11 01 02 54.4–.86 43.42N 17.61E 10 2.7b,2.2L
PDG II 11 01 02 55.6–.22 43.46N 17.22E 8–0 2.5L,2.2L
CSEM II 11 01 02 55.3–.24 43.36N 17.07E 2 2.5L,2.2L
ISC Event type ke.
BEO Event type ke.
VIE Error ellipse: s-maj=12.2km s-min=6.5km az=60.0. 80 km SW of Sarajevo .
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=2.8km az=43.0.
ISC II 11 10 53 24.0–.94 43.24N–.02 20.84E–.02 10–7 88 0-4
ISCJB II 11 10 53 23.9–.41 43.28N–.02 20.85E–.03 7–3 ¶14359016
BEO II 11 10 53 24.6–.28 43.23N 20.83E 6–2 2.8L
CSEM II 11 10 53 24.1–.17 43.25N 20.84E 2 2.8L
SKO II 11 10 53 25.2 43.25N 20.84E 3 2.4L,2.1
SOF II 11 10 53 28.2 43.29N 21.29E 17 2.5,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=37.4.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=40.0.
BEO II 12 02 27 30.0–.50 43.22N 20.83E 1–4 1.5L
CSEM II 12 02 27 30.0 43.22N 20.83E 1 1.5L ¶14701973
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BEO.
LJU II 14 03 09 24.0 45.71N 15.59E 9 0.9L
CSEM II 14 03 09 24.0 45.71N 15.59E 0 0.9L ¶14340490
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
BEO II 14 20 58 26.5–.29 43.24N 20.84E 6–2 2.4L
CSEM II 14 20 58 26.5 43.24N 20.84E 6 2.4L ¶14701987
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BEO.
ISC II 16 06 05 10.5–1.2 43.58N–.03 17.49E–.03 0–11 81 1-4
PDG II 16 06 05 10.8–.29 43.53N 17.45E 2–0 2.7L ¶11758338
BEO II 16 06 05 11.9–.58 43.62N 17.43E 14–4 2.4L
CSEM II 16 06 05 11.7–.27 43.70N 17.57E 2 2.7L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.1km az=47.0.
ISC II 16 15 44 21.5–.96 45.69N–.02 15.34E–.02 7–8 79 0-2
ISCJB II 16 15 44 21.1–.50 45.70N–.02 15.32E–.03 7–5 ¶14340509
LJU II 16 15 44 21.1 45.70N 15.33E 10 2.0L
VIE II 16 15 44 21.2–.37 45.70N 15.34E 7–1 2.1L,1.9b
CSEM II 16 15 44 21.2–.15 45.69N 15.34E 10 2.7L,1.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=42.3.
VIE Error ellipse: s-maj=2.5km s-min=1.2km az=153.0. 29 km NW of Karlovac .
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=138.0.
ISC II 19 08 23 06.7–1.1 44.16N–.03 18.04E–.02 11–10 53 1-5
BEO II 19 08 23 07.3–.53 44.19N 18.09E 2–5 2.4L ¶14369522
CSEM II 19 08 23 07.3–.15 44.19N 18.13E 2 2.4L
VIE II 19 08 23 14.6–.48 44.73N 18.08E 10 2.6L,2.4b
ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=2.5km az=27.0.
VIE Error ellipse: s-maj=4.2km s-min=2.6km az=1.0. 48 km S of Slavonski Brod .
ISC II 21 08 55 37.2–1.1 43.11N–.02 18.23E–.02 3–9 210 0-19
TIR II 21 08 55 33.2–4.2 42.54N 18.29E 0–999 4.0L ¶11714004
ISCJB II 21 08 55 36.5–.36 43.13N–.02 18.24E–.02 6–3 4.0L
IDC II 21 08 55 37.3–4.0 43.13N 18.30E 0 3.7,3.6
PDG II 21 08 55 37.1–.40 43.03N 18.21E 12–0 3.2L,3.2
CSEM II 21 08 55 37.8–.12 43.14N 18.30E 2 3.2L,3.2
PRU II 21 08 55 38.6 43.13N 18.34E 0 3.2L,3.2
BEO II 21 08 55 38.1–.48 43.13N 18.23E 8–3 3.2L,3.2
ISC Event type ke.
TIR Error ellipse: s-maj=51.2km s-min=92.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=17.9.
IDC Error ellipse: s-maj=49.8km s-min=34.8km az=38.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.9km az=38.0.
BEO Event type ke.
CSEM II 24 06 09 27.1–.16 45.37N 14.48E 10 2.0L
LJU II 24 06 09 26.6 45.39N 14.49E 20 1.4L ¶14341756
VIE II 24 06 09 26.4–.60 45.35N 14.45E 8 1.5L
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=44.0.
VIE Error ellipse: s-maj=4.1km s-min=1.9km az=10.0. 4 km E of Rijeka .

LJU II 26 11 17 15.9 46.11N 14.18E 13 0.7L
¶14341790
ISC III 01 08 36 31.4–1.1 44.17N–.02 17.91E–.02 5–10 129 1-5
CSEM III 01 08 36 31.7–.14 44.19N 17.96E 2 2.4L ¶12088201
BEO III 01 08 36 32.1–.40 44.23N 17.93E 4–2 2.4L
PDG III 01 08 36 33.6–.30 44.12N 18.12E 9–0 2.6L
VIE III 01 08 36 35.0–.55 44.46N 17.89E 10 2.5b,2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.5km az=45.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
VIE Error ellipse: s-maj=6.8km s-min=3.6km az=29.0. 79 km S of Slavonski Brod .
SKO III 02 04 16 23.8 41.27N 22.76E 32 0.3L,0.1
¶16392046
ISC III 05 10 28 40.6–.95 42.29N–.02 21.25E–.02 13–9 45 0-2
TIR III 05 10 28 39.0–1.4 42.17N 21.07E 2–8 3.3L ¶12100570
SKO III 05 10 28 40.6 42.27N 21.39E 18 2.0L,1.6
CSEM III 05 10 28 40.3–.22 42.30N 21.26E 2 2.0L,1.6
BEO III 05 10 28 41.4–.51 42.30N 21.26E 0 2.2L,1.6
ISC Event type ke.
TIR Error ellipse: s-maj=4.7km s-min=9.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=145.0.
BEO Event type ke.
ISC III 06 04 14 33.3–.96 43.89N–.04 16.14E–.04 10 52 1-4
ISCJB III 06 04 14 35.7–.64 43.97N–.04 16.22E–.05 10 ¶14369839
VIE III 06 04 14 35.3–.58 43.93N 16.19E 10 2.6L,2.5b
BEO III 06 04 14 35.7–.45 44.00N 16.20E 0 2.7L,2.5b
CSEM III 06 04 14 35.9–.31 44.03N 16.23E 2 2.7L,2.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.4km az=37.0.
VIE Error ellipse: s-maj=6.9km s-min=4.4km az=74.0. 51 km NNW of Split .
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=3.9km az=31.0.
BEO III 07 03 01 48.6–.18 44.01N 20.60E 2–2 2.3L
CSEM III 07 03 01 47.7–.16 44.02N 20.62E 2 2.3L ¶14702095
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=53.0.
LJU III 08 12 43 58.9 45.78N 14.07E 11 0.4L
CSEM III 08 12 43 58.9 45.78N 14.07E 0 0.4L ¶14544144
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
LJU III 08 12 45 33.7 45.78N 14.07E 13 0.6L
CSEM III 08 12 45 33.7 45.78N 14.07E 0 0.6L ¶14544145
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
ISC III 10 04 02 59.3–.80 45.62N–.02 14.25E–.01 13–5 184 0-4
CSEM III 10 04 02 58.7–.10 45.62N 14.25E 10 3.0L ¶11845759
ROM III 10 04 02 58.2–.55 45.57N 14.25E 10 2.9,2.5L
ISCJB III 10 04 02 58.0–.29 45.61N–.02 14.24E–.02 10–2 2.9,2.5L
LJU III 10 04 02 58.0 45.61N 14.26E 20 2.4L,2.5L
VIE III 10 04 02 59.6–.20 45.69N 14.26E 9–1 2.8L,2.2b
PRU III 10 04 02 59.3 45.62N 14.12E 4 2.8L,2.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.3km az=16.0.
ROM Event type ke. Error ellipse: s-maj=8.0km s-min=5.9km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=20.5.
VIE Error ellipse: s-maj=1.5km s-min=0.8km az=171.0. 39 km SSE of Idrija .
ISC III 11 01 34 17.2–.98 45.66N–.02 17.37E–.01 15–8 291 1-10
BGR III 11 01 34 16.7–.74 45.53N 17.44E 10 3.1L ¶11845798
SZGRF III 11 01 34 16.7 45.53N 17.44E 10 3.1b
VIE III 11 01 34 17.0–.31 45.75N 17.31E 8–1 2.9L,2.5b
ISCJB III 11 01 34 16.3–.35 45.75N–.02 17.31E–.02 10–2 2.9L,2.5b
BEO III 11 01 34 16.3–.30 45.74N 17.22E 0 3.1L,2.5b
PRU III 11 01 34 16.8 45.74N 17.38E 0 3.1L,2.5b
CSEM III 11 01 34 17.0–.12 45.70N 17.32E 10 3.2L,2.5b
LDG III 11 01 34 18.2–.15 45.71N 17.36E 30 2.7L,2.5b
IPEC III 11 01 34 19.6–.35 45.71N 17.32E 38–13 2.2L,2.5b
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=13.3km s-min=8.9km az=42.0.
SZGRF Northwestern Balkan Peninsula.
VIE Error ellipse: s-maj=2.7km s-min=1.3km az=177.0. 80 km WSW of Pecs .
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=16.9.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=7.0.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=150.0.
IPEC Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=161.0.
LJU III 12 02 01 12.2 45.89N 14.38E 7 0.1L
¶14544219
BEO III 16 14 18 23.3–.79 42.55N 21.47E 0 1.4L
CSEM III 16 14 18 23.3 42.55N 21.47E 0 1.4L ¶14702133
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BEO.
CSEM III 17 00 50 46.5–.29 45.60N 14.25E 18–2 2.2L
VIE III 17 00 50 46.0–.31 45.56N 14.30E 12–2 1.6L ¶14370028
LJU III 17 00 50 46.6 45.62N 14.26E 15 1.5L
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.1km az=17.0.
VIE Error ellipse: s-maj=2.8km s-min=1.1km az=179.0. 25 km NNW of Rijeka .
BEO III 18 09 30 45.0–1.5 44.44N 20.69E 0 1.1L
CSEM III 18 09 30 45.0 44.44N 20.69E 0 1.1L ¶14702139
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BEO.
ISC III 19 15 37 29.3–.86 42.66N–.01 18.74E–.02 12–6 213 0-7
THE III 19 15 37 26.8 42.66N 18.27E 13–5 3.4L ¶12055775
TIR III 19 15 37 27.8–.41 42.69N 18.70E 20–999 3.5L
BEO III 19 15 37 28.8–.55 42.63N 18.71E 8–2 3.2L
VIE III 19 15 37 28.9–.53 42.67N 18.71E 10 3.2s,2.8b
PRU III 19 15 37 28.6 42.68N 18.92E 0 3.2s,2.8b
PDG III 19 15 37 29.0–.22 42.66N 18.76E 13–0 3.2L,3.2
ISCJB III 19 15 37 28.4–.28 42.67N–.01 18.73E–.02 12–2 3.2L,3.2
CSEM III 19 15 37 29.3–.12 42.68N 18.75E 8 3.2s,3.2
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=6.7km s-min=1.1km az=266.0.
TIR Error ellipse: s-maj=2.7km s-min=7.1km az=-1.0.
BEO Event type ke.
VIE Error ellipse: s-maj=7.3km s-min=3.2km az=84.0.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=137.6.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=52.0.
CSEM III 19 17 31 28.1–.21 42.66N 18.76E 18–2 1.6L
PDG III 19 17 31 28.6–.22 42.66N 18.78E 14–0 2.0L ¶12086151
BEO III 19 17 31 33.8–.54 42.52N 19.43E 1.6L
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=82.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
BEO Event type ke.
ISC III 19 22 42 23.6–.74 43.69N–.03 16.73E–.02 10 140 1-6
PDG III 19 22 42 22.6–.31 43.66N 16.60E 3–1 3.0L ¶12055777
CSEM III 19 22 42 23.8–.17 43.66N 16.72E 2 2.9L
ISCJB III 19 22 42 24.6–.38 43.72N–.03 16.76E–.04 10 2.9L
BEO III 19 22 42 24.2–.41 43.68N 16.74E 0 2.9L
VIE III 19 22 42 24.3–.40 43.73N 16.89E 10 2.7L,2.6b
PRU III 19 22 42 24.4 43.71N 16.77E 0 2.7L,2.6b
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=2.3km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=2.3km az=43.4.
BEO Event type ke.
VIE Error ellipse: s-maj=4.0km s-min=3.1km az=56.0. 41 km NE of Split .
ISC III 21 17 22 45.4–.96 45.72N–.02 15.70E–.03 9–7 48 0-1
ISCJB III 21 17 22 44.7–.73 45.71N–.03 15.69E–.04 13–9 ¶14370126
VIE III 21 17 22 45.6–.47 45.73N 15.69E 9–4 2.2L,1.9b
LJU III 21 17 22 45.0 45.70N 15.69E 8 1.9L,1.9b
CSEM III 21 17 22 45.3–.10 45.71N 15.70E 10 2.6L,1.9b
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=155.1.
VIE Error ellipse: s-maj=3.1km s-min=1.7km az=121.0. 25 km WSW of Zagreb .
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=80.0.

ISC	**III**	**24 02 22 47.4–1.1**	**43.61N–.02**	**18.39E–.02**	**10–9**		**126**	**1-6**
ISCJB	III	24 02 22 45.8–.43	43.66N–.02	18.36E–.03	1–4			**¶12061125**
BEO	III	24 02 22 46.8–.44	43.58N	18.33E	0	2.6L		
CSEM	III	24 02 22 46.9–.14	43.60N	18.39E	2	3.3s		
PDG	III	24 02 22 47.2–.25	43.60N	18.38E	11–0	2.8L		
PRU	III	24 02 22 49.6	43.49N	18.37E	28	2.8L		
VIE	III	24 02 22 52.0–.32	43.97N	18.36E	10	3.3s,2.7b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=5.7.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=43.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
VIE Error ellipse: s-maj=3.7km s-min=2.4km az=28.0. 15 km NNW of Sarajevo .

VIE	**III**	**25 18 38 06.4–.63**	**44.14N**	**15.42E**	**10**	**2.4L,2.3b**		
								¶14370184

VIE Error ellipse: s-maj=6.2km s-min=4.5km az=109.0. 109 km NW of Split .

ISC	**III**	**25 20 49 33.2–.99**	**43.37N–.02**	**17.07E–.02**	**10–7**	**3.5b**	**278**	**1-72**
IDC	III	25 20 49 30.7–2.6	43.25N	17.42E	0	3.7,3.6L		**¶12061149**
ISCJB	III	25 20 49 32.6–.46	43.38N–.02	17.05E–.02	4–3	3.4b,3.6L		
PDG	III	25 20 49 33.9–.41	43.35N	17.12E	11–0	3.4L,3.6L		
BEO	III	25 20 49 34.5–.62	43.42N	17.16E	0–4	3.3L,3.6L		
CSEM	III	25 20 49 34.6–.13	43.37N	17.08E	10	3.7s,3.4L		
LDG	III	25 20 49 34.1–.11	43.43N	17.17E	10	3.6L,3.4L		
VIE	III	25 20 49 36.0–.45	43.50N	17.22E	10	3.7s,3.3L		
PRU	III	25 20 49 36.5	43.43N	17.15E	8	3.7s,3.3L		

ISC Event type ke.
IDC Error ellipse: s-maj=51.7km s-min=16.6km az=42.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=1.9km az=36.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=34.0.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=23.0.
VIE Error ellipse: s-maj=3.7km s-min=3.2km az=10.0. 61 km E of Split .

LJU	**III**	**26 06 24 28.8**	**46.01N**	**14.84E**	**6**	**0.4L**		
								¶14544431
ISC	**III**	**29 08 19 10.1–1.3**	**43.28N–.03**	**17.34E–.03**	**0–14**		**57**	**0-3**
BEO	III	29 08 19 09.4–.65	43.26N	17.24E	0	2.6L		**¶12086066**
PDG	III	29 08 19 10.9–.24	43.37N	17.57E	1–0	2.3L		
CSEM	III	29 08 19 10.0–.39	43.27N	17.32E	2	2.3L		

ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=4.9km az=60.0.

ISC	**III**	**29 17 27 05.6–1.1**	**45.13N–.03**	**14.90E–.03**	**9–9**		**74**	**0-2**
CSEM	III	29 17 27 03.2–.61	45.03N	14.89E	2	2.0L		**¶14370249**
VIE	III	29 17 27 08.1–.48	45.32N	14.85E	7–4	2.5L,1.9b		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=5.5km az=176.0.
VIE Error ellipse: s-maj=3.2km s-min=1.9km az=172.0. 35 km E of Rijeka .

ISC	**III**	**29 17 32 01.4–.88**	**46.70N–.02**	**14.16E–.02**	**15–7**		**94**	**0-5**
ISCJB	III	29 17 32 00.4–.34	46.74N–.02	14.17E–.03	6–6			**¶12099410**
VIE	III	29 17 32 01.3–.27	46.68N	14.16E	14–3	2.6L,1.4b		
PRU	III	29 17 32 01.6	46.71N	14.18E	0	2.6L,1.4b		
LJU	III	29 17 32 01.6	46.67N	14.16E	10	2.0L,1.4b		
CSEM	III	29 17 32 01.3–.10	46.71N	14.17E	2	2.8L,1.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.7km az=143.0.
VIE Event type fe. Error ellipse: s-maj=3.3km s-min=0.9km az=2.0. 3 km W of Dellach bei Moosburg . felt 4-5 ems98 at Prtschach / CARINTHIA.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=136.0.

ISC	**III**	**30 09 26 42.1–1.4**	**44.65N–.03**	**21.75E–.04**	**6–11**		**33**	**1-2**
ISCJB	III	30 09 26 41.5–1.1	44.66N–.04	21.72E–.09	4–10			**¶14544502**
BUC	III	30 09 26 41.9–2.4	44.60N	21.62E	20	2.7		
CSEM	III	30 09 26 41.8–.16	44.64N	21.76E	2	1.7L		
BEO	III	30 09 26 42.4–.41	44.62N	21.83E	0	1.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=4.3km az=23.2.
BUC Event type ke. Error ellipse: s-maj=21.7km s-min=9.1km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.9km az=114.0.
BEO Event type ke.

ISC	**III**	**30 13 27 17.9–1.0**	**43.84N–.01**	**18.44E–.02**	**6–7**	**3.9b**	**417**	**1-124**
LDG	III	30 13 27 17.3–.08	43.89N	18.64E	2	4.0L		**¶12084483**
IDC	III	30 13 27 17.1–.72	43.77N	18.41E	0	3.8,3.8		
BEO	III	30 13 27 18.2–.37	43.80N	18.38E	4–2	3.7L,3.8		
TIR	III	30 13 27 18.4	44.05N	18.81E	0	4.2L,3.8		
NEIC	III	30 13 27 18.7	43.87N	18.64E	2	3.9L,3.9L		
CSEM	III	30 13 27 18.0–.09	43.81N	18.42E	2	3.5s,3.9L		
PRU	III	30 13 27 19.9	43.85N	18.53E	7	3.5s,3.9L		
PDG	III	30 13 27 19.4–.41	43.77N	18.58E	11–0	3.7L,3.7		
THE	III	30 13 27 20.8	43.73N	18.64E	6–23	3.9L,3.7		
VIE	III	30 13 27 24.1–.39	44.25N	18.40E	10	3.5s,3.3L		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=45.0.
IDC Error ellipse: s-maj=16.7km s-min=13.4km az=10.0.
BEO Event type ke.
NEIC Event type fe. Felt at Sarajevo. After CSEM.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=47.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=32.1km s-min=2.2km az=339.0.
VIE Error ellipse: s-maj=3.2km s-min=2.3km az=154.0. 47 km N of Sarajevo .

ISC	**III**	**31 01 46 02.8–.42**	**43.854N–.01**	**18.40E–.01**	**1–2**	**4.1b**	**586**	**1-90**
ISCJB	III	31 01 46 01.6–.31	43.85N–.01	18.42E–.02	2–2	4.9s,4.0b		**¶12084023**
THE	III	31 01 46 01.9	44.00N	18.41E	8–4	4.0L,4.0b		
SZGRF	III	31 01 46 01.2	43.58N	18.81E	10	4.0L,4.0b		
BEO	III	31 01 46 02.9–.37	43.81N	18.46E	9–3	3.8L,4.0b		
LDG	III	31 01 46 02.8–.08	43.93N	18.54E	2	4.2L,4.0b		
PDG	III	31 01 46 02.8–.43	43.84N	18.54E	2–0	3.9L,3.9		
MOS	III	31 01 46 03.4–1.1	43.81N	18.34E	19	4.4b,3.9		
CSEM	III	31 01 46 03.2–.10	43.86N	18.48E	2	4.1s,3.9L		
NEIC	III	31 01 46 03.5–.23	43.79N	18.45E	5	4.1b,4.0L		
IDC	III	31 01 46 05.2–3.2	43.82N	18.39E	18–20	4.0,3.9b		
PRU	III	31 01 46 05.3	43.87N	18.58E	15	4.1,3.9b		
VIE	III	31 01 46 07.2–.51	44.12N	18.47E	10	4.1s,3.8L		
STR	III	31 01 46 17.0–1.2	44.22N	17.28E	5	4.2L,3.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=141.3.
THE Event type ke. Error ellipse: s-maj=6.0km s-min=0.9km az=357.0.
SZGRF Northwestern Balkan Peninsula.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=28.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=120.3.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=40.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=2.9km az=216.0. Felt at Sarajevo.
IDC Error ellipse: s-maj=11.6km s-min=8.8km az=28.0.
VIE Error ellipse: s-maj=4.3km s-min=2.8km az=167.0. 32 km N of Sarajevo .
STR Event type ke.

ISC	**III**	**31 12 33 50.4–1.1**	**45.06N–.03**	**15.01E–.09**	**10–13**		**22**	**0-1**
CSEM	III	31 12 33 50.0–.18	45.06N	15.02E	15	2.6L		**¶14370297**
VIE	III	31 12 33 52.3–.71	45.19N	14.96E	9–24	2.2L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=2.3km az=93.0.
VIE Error ellipse: s-maj=5.6km s-min=3.2km az=171.0. 47 km ESE of Rijeka .

ISC	**III**	**31 23 47 12.2–.93**	**41.26N–.04**	**22.72E–.04**	**8–8**		**28**	**0-3**
SKO	III	31 23 47 11.2	41.28N	22.73E	15	1.4L,1.1		**¶14370282**
CSEM	III	31 23 47 11.4–.36	41.28N	22.70E	15	3.3,1.1		
ATH	III	31 23 47 12.1	41.27N	22.74E	19–5	3.3,1.1		
BEO	III	31 23 47 14.8–1.5	41.35N	22.61E	0	1.8L,1.1		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=5.3km az=60.0.
ATH Error ellipse: s-maj=2.8km s-min=4.4km az=-1.0.
BEO Event type ke.

ISC	**IV**	**01 11 15 30.4–.93**	**41.80N–.02**	**22.64E–.02**	**16–8**		**96**	**0-3**
ISCJB	IV	01 11 15 29.7–.39	41.84N–.02	22.61E–.03	6–3			**¶14190747**
SOF	IV	01 11 15 29.2	41.81N	22.66E	20	2.8		
SKO	IV	01 11 15 30.1	41.78N	22.65E	15	2.4L,2.0		
BEO	IV	01 11 15 30.5–.31	41.78N	22.57E	14–3	2.5L,2.0		
CSEM	IV	01 11 15 30.2–.14	41.81N	22.64E	10	2.8,2.0		
THE	IV	01 11 15 31.1	41.77N	22.65E	2–2	2.7L,2.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=165.1.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=63.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.4km az=264.0.

ISC	**IV**	**08 01 57 40.2–1.3**	**44.13N–.03**	**16.39E–.03**	**5–12**		**77**	**1-5**
VIE	IV	08 01 57 37.7–.58	43.98N	16.74E	10	2.6L,2.5b		**¶12840173**
CSEM	IV	08 01 57 40.9–.19	44.21N	16.39E	2	2.9L,2.5b		
PDG	IV	08 01 57 40.4–.30	44.17N	16.40E	3–1	2.9L,2.5b		

ISC Event type ke.
VIE Error ellipse: s-maj=7.0km s-min=4.5km az=43.0. 56 km NNE of Split .
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=3.5km az=46.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.2km az=0.0.

ISC	**IV**	**09 15 07 10.2–1.3**	**44.15N–.03**	**16.47E–.04**	**2–11**		**90**	**1-5**
VIE	IV	09 15 07 07.9–.39	44.07N	16.83E	10	2.8b,2.7L		**¶12742115**
PDG	IV	09 15 07 09.6–.32	44.03N	16.25E	0–11	3.1L,2.7L		
CSEM	IV	09 15 07 11.1–.15	44.27N	16.48E	2	3.1L,2.7L		

ISC Event type ke.
VIE Error ellipse: s-maj=4.7km s-min=3.2km az=61.0. 68 km NNE of Split .
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.1km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=2.5km az=48.0.

LJU	**IV**	**09 18 32 16.2**	**46.39N**	**15.07E**	**0**			
CSEM	IV	09 18 32 16.2–99	46.39N	15.07E	0			**¶14637797**

LJU Rockburst.
CSEM Event type sr. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining induced. After LJU.

ISC	**IV**	**10 05 33 18.7–.98**	**45.69N–.02**	**15.61E–.03**	**9–7**		**75**	**0-2**
ISCJB	IV	10 05 33 17.9–.56	45.68N–.02	15.60E–.04	14–5			**¶14370364**
LJU	IV	10 05 33 18.3	45.67N	15.60E	10	2.0L		
VIE	IV	10 05 33 18.6–.51	45.71N	15.63E	10–1	2.1L,2.0b		
CSEM	IV	10 05 33 18.4–.12	45.68N	15.62E	10	2.7L,2.0b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=10.2.
VIE Error ellipse: s-maj=3.2km s-min=1.8km az=137.0. 25 km NNE of Karlovac .
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=117.0.

ISC	**IV**	**10 06 20 06.0–1.3**	**44.0N–.10**	**15.8E–.10**	**10**		**44**	**2-3**
ISCJB	IV	10 06 20 05.3–1.2	44.0N–.10	15.7E–.20	10			**¶12840182**
CSEM	IV	10 06 20 05.0–.22	44.00N	15.70E	2	2.9L		
PDG	IV	10 06 20 06.0–.36	44.05N	15.97E	2–1	2.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=5.7km az=44.6.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=2.6km az=46.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.7km az=0.0.

SKO	**IV**	**12 16 31 02.6**	**41.29N**	**22.73E**	**15**	**0.7L,0.5**		
								¶14694132
LJU	**IV**	**13 17 09 28.3**	**45.99N**	**15.33E**	**0**	**0.0L**		
								¶14638606

LJU Artificial.

ISC	**IV**	**14 09 42 39.0–.99**	**42.79N–.01**	**20.40E–.02**	**7–7**	**3.5b**	**254**	**0-69**
ISCJB	IV	14 09 42 38.3–.25	42.81N–.01	20.36E–.02	10–2	3.4b		**¶12599216**
TIR	IV	14 09 42 38.0	42.75N	20.35E	6	4.0L		
PDG	IV	14 09 42 38.8–.56	42.80N	20.44E	8–1	3.7L,3.6		
LDG	IV	14 09 42 38.3–.14	42.84N	20.40E	2	3.5L,3.6		
IDC	IV	14 09 42 38.3–1.1	42.67N	20.23E	0	3.6,3.5		
THE	IV	14 09 42 39.3	42.77N	20.38E	1–3	3.7L,3.5		
BEO	IV	14 09 42 39.4–.29	42.77N	20.36E	3–2	3.3L,3.5		
SKO	IV	14 09 42 39.2	42.87N	20.35E	5	3.3L,2.9		
CSEM	IV	14 09 42 40.0–.16	42.76N	20.30E	20	3.7L,2.9		
ROM	IV	14 09 42 42.9–.87	42.36N	20.26E	10	3.8L,2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=175.6.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.7km az=0.0.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=30.0.
IDC Error ellipse: s-maj=19.3km s-min=14.9km az=32.0.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=1.4km az=330.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=71.0.
ROM Event type ke. Error ellipse: s-maj=14.1km s-min=4.6km az=44.0.

ISC	**IV**	**14 13 22 00.1–.94**	**41.76N–.02**	**22.91E–.02**	**9–8**		**98**	**0-3**
ATH	IV	14 13 21 58.7	41.88N	22.95E	6	3.6		**¶14191029**
SOF	IV	14 13 21 59.2	41.79N	22.90E	11	2.8		
SKO	IV	14 13 21 59.4	41.77N	22.92E	15	2.5L,2.1		
ISCJB	IV	14 13 21 59.2–.39	41.78N–.02	22.89E–.03	2–4	2.5L,2.1		
CSEM	IV	14 13 21 59.8–.09	41.78N	22.90E	5	2.8,2.1		
THE	IV	14 13 22 00.5	41.75N	22.92E	5–1	2.7L,2.1		
BEO	IV	14 13 22 00.6–.32	41.76N	22.89E	7–4	2.8L,2.1		

ISC Event type ke.
ATH Error ellipse: s-maj=4.8km s-min=3.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=178.8.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=85.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=237.0.
BEO Event type ke.

VIE	**IV**	**15 20 06 20.2–.43**	**45.16N**	**14.85E**	**8–1**	**1.9L,1.6b**		
CSEM	IV	15 20 06 20.5–.23	45.16N	14.81E	10	2.4L,1.6b		**¶14370381**

VIE Error ellipse: s-maj=2.6km s-min=1.6km az=174.0. 40 km ESE of Rijeka .
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=76.0.

SKO	**IV**	**20 11 42 46.7**	**41.78N**	**22.82E**	**23**	**1.6L,1.2**		
								¶14694454
ISC	**IV**	**21 01 25 25.4–1.1**	**44.25N–.02**	**15.91E–.02**	**13–9**		**291**	**1-9**
SZGRF	IV	21 01 25 22.6	44.07N	16.59E	10	3.4b		**¶12645033**
PRU	IV	21 01 25 23.9	44.24N	15.85E	0	3.4b		
ROM	IV	21 01 25 23.8–.14	44.20N	15.98E	10	3.3L		
ISCJB	IV	21 01 25 25.0–.56	44.31N–.01	15.66E–.02	6–4	3.3L		
VIE	IV	21 01 25 24.5–.41	44.27N	16.13E	10	3.3L,2.9b		
CSEM	IV	21 01 25 25.7–.09	44.27N	15.66E	2	3.0L,2.9b		
BEO	IV	21 01 25 26.9–.87	44.42N	15.76E	0	3.0L,2.9b		
PDG	IV	21 01 25 26.1–.38	44.29N	15.85E	2–1	3.4L,2.9b		
LDG	IV	21 01 25 31.1–.17	44.24N	15.44E	10	3.3L,2.9b		

ISC Event type ke.
SZGRF Northwestern Balkan Peninsula.
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.3km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=40.2.
VIE Error ellipse: s-maj=3.1km s-min=3.0km az=90.0. 87 km NNW of Split .
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=20.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.1km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=123.0.

SKO	**IV**	**22 11 34 19.0**	**41.65N**	**22.35E**	**15**	**1.0L,0.7**		
								¶14694521
ISC	**IV**	**23 19 03 23.1–.96**	**43.44N–.02**	**19.70E–.02**	**7–8**		**100**	**0-5**
ISCJB	IV	23 19 03 22.2–.26	43.44N–.02	19.72E–.02	9–4			**¶12832521**
CSEM	IV	23 19 03 22.8–.14	43.44N	19.71E	2	2.4L		
PDG	IV	23 19 03 23.2–.32	43.43N	19.67E	11–0	2.6,2.4L		
BEO	IV	23 19 03 24.1–.30	43.43N	19.71E	4–3	2.8L,2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=34.6.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=118.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
BEO Event type ke.

ISC	**IV**	**24 16 03 57.4–.98**	**43.44N–.02**	**19.68E–.02**	**8–8**		**85**	**0-2**

ISCJB IV 24 16 03 56.9–.30 43.44N–.02 19.71E–.02 1–9 ¶12832523
PDG IV 24 16 03 57.5–.36 43.44N 19.66E 11–1 2.0L
CSEM IV 24 16 03 57.1–.14 43.43N 19.69E 10 2.0L
BEO IV 24 16 03 58.4–.42 43.41N 19.68E 7–5 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=38.1.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=130.0.
BEO Event type ke.
ISC IV 25 20 23 57.3–1.1 43.47N–.02 18.63E–.02 5–9 94 0-4
CSEM IV 25 20 23 56.6–.24 43.48N 18.62E 2 2.2L ¶12832529
PDG IV 25 20 23 57.1–.19 43.47N 18.69E 18–0 2.2L
BEO IV 25 20 23 57.7–.39 43.47N 18.60E 0 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=113.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
BEO Event type ke.
ISC IV 26 12 26 38.9–.93 45.89N–.02 15.00E–.02 6–7 106 0-2
ROM IV 26 12 26 37.7–.25 45.78N 15.11E 9–1 2.7,1.8L ¶14370457
ISCJB IV 26 12 26 38.4–.33 45.89N–.02 15.00E–.02 9–4 2.7,1.8L
VIE IV 26 12 26 38.7–.19 45.91N 15.00E 8–1 1.9L,1.4b
LJU IV 26 12 26 38.6 45.88N 14.99E 7 1.7L,1.4b
CSEM IV 26 12 26 38.7–.09 45.89N 15.01E 10 2.6L,1.4b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=1.5km az=9.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=8.6.
VIE Error ellipse: s-maj=1.4km s-min=1.0km az=168.0. 38 km W of Krsko .
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=8.0.
LJU IV 27 12 05 02.6 46.06N 15.01E 12 0.7L
CSEM IV 27 12 05 02.6 46.06N 15.01E 0 0.7L ¶14641929
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
LJU IV 27 16 27 46.8 45.46N 14.40E 9 0.6L
CSEM IV 27 16 27 46.8 45.46N 14.40E 0 0.6L ¶14641998
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
ISC IV 28 21 37 56.7–.96 41.71N–.02 22.87E–.02 11–8 89 0-3
ISCJB IV 28 21 37 55.6–.39 41.74N–.02 22.83E–.03 3–4 ¶14191391
SOF IV 28 21 37 55.2 41.76N 22.82E 12 2.6
SKO IV 28 21 37 56.0 41.72N 22.87E 15 2.2L,1.8
CSEM IV 28 21 37 56.2–.09 41.73N 22.83E 5 2.6,1.8
THE IV 28 21 37 56.8 41.72N 22.86E 2–1 2.6L,1.8
BEO IV 28 21 37 56.7–1.0 41.71N 22.99E 21–5 2.5L,1.8
ATH IV 28 21 37 57.5 41.62N 22.89E 22–5 3.3,1.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=151.9.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=87.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=278.0.
BEO Event type ke.
ATH Error ellipse: s-maj=6.3km s-min=2.4km az=-1.0.
TIR V 01 05 14 02.5–.79 42.08N 20.10E 0–249
¶13439245
TIR Error ellipse: s-maj=2.2km s-min=11.2km az=-1.0.
ISC V 01 10 00 53.1–.87 41.04N–.03 22.51E–.02 11–6 46 0-2
SKO V 01 10 00 52.6 41.03N 22.52E 15 1.4L,1.1 ¶14301435
THE V 01 10 00 53.2 41.02N 22.47E 13–4 2.1L,1.1
ATH V 01 10 00 53.5 41.04N 22.50E 6–4 2.7,1.1
CSEM V 01 10 00 53.0–.14 41.04N 22.50E 10 2.1L,1.1
ISCJB V 01 10 00 53.2–.49 41.04N–.03 22.50E–.03 7–5 2.1L,1.1
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
CSEM V 02 01 59 24.7–.23 45.15N 14.91E 35–4 1.2L
¶16374460
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=3.8km az=71.0.
TIR V 04 06 44 29.4–.49 42.58N 19.91E 14–6 2.9L
PDG V 04 06 44 29.7–.21 42.63N 19.88E 8–1 1.8,1.7L ¶12906363
CSEM V 04 06 44 29.7–.15 42.61N 19.88E 2 1.7L,1.7L
BEO V 04 06 44 30.2–.40 42.55N 19.90E 1–4 1.7L,1.7L
TIR Error ellipse: s-maj=3.4km s-min=5.5km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.4km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.8km az=109.0.
BEO Event type ke.
ISC V 05 10 20 50.4–1.9 41.46N–.09 22.49E–.05 9–8 22 0-1
ISCJB V 05 10 20 51.0–1.5 41.40N–.08 22.52E–.08 11–4 ¶14694956
ATH V 05 10 20 51.5 41.40N 22.49E 17–3 2.9
CSEM V 05 10 20 51.0–.49 41.40N 22.49E 14–1 2.9
SKO V 05 10 20 52.1 41.33N 22.58E 15 2.3L,0.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=9.1km az=153.1.
ATH Error ellipse: s-maj=1.0km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=6.5km az=164.0.
ISC V 05 16 11 15.0–1.1 41.85N–.01 22.07E–.01 3–8 3.6b 308 0-42
SOF V 05 16 11 13.7 41.86N 22.06E 5 3.8 ¶12793975
TIR V 05 16 11 14.6 41.89N 21.97E 3 3.9L
SKO V 05 16 11 14.2 41.81N 22.07E 20 3.7L,3.2
BEO V 05 16 11 14.9–.58 41.79N 22.09E 5–2 3.6L,3.2
IDC V 05 16 11 14.8–1.1 41.82N 22.02E 0 3.7b,3.7
PDG V 05 16 11 14.9–.36 41.88N 22.09E 8–0 3.6L,3.7
ATH V 05 16 11 15.3 41.80N 22.08E 20–1 3.8,3.7
CSEM V 05 16 11 15.1–.08 41.85N 22.06E 2 3.7L,3.7
THE V 05 16 11 15.9 41.80N 22.10E 0–1 3.7L,3.7
PRU V 05 16 11 16.9 41.85N 22.10E 2 3.7L,3.7
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=14.1km az=147.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
ATH Error ellipse: s-maj=2.1km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=54.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=329.0.
ISC V 05 16 17 05.8–1.1 41.81N–.05 22.07E–.03 15–12 17 0-1
SOF V 05 16 17 03.7 41.86N 21.99E 0 2.5 ¶14694959
SKO V 05 16 17 05.7 41.81N 22.10E 8 1.9L,1.4
ISCJB V 05 16 17 05.8–.76 41.79N–.05 22.06E–.06 6–18 1.9L,1.4
CSEM V 05 16 17 06.4–.18 41.78N 22.07E 10 2.0L,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.3km az=30.3.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=9.0.
ISC V 05 17 03 08.7–1.1 41.83N–.02 22.08E–.02 1–10 82 0-3
SOF V 05 17 03 07.3 41.89N 22.00E 5 2.5 ¶14301568
SKO V 05 17 03 08.7 41.81N 22.09E 9 2.3L,1.9
CSEM V 05 17 03 09.1–.11 41.82N 22.06E 2 2.2L,1.9
ATH V 05 17 03 09.4 41.80N 22.09E 5–4 3.3,1.9
THE V 05 17 03 09.8 41.80N 22.11E 1–1 2.7L,1.9
BEO V 05 17 03 09.4–.78 41.82N 22.04E 0 2.2L,1.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=41.0.
ATH Error ellipse: s-maj=2.3km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=240.0.
BEO Event type ke.
ISC V 05 17 39 33.0–1.1 41.83N–.01 22.06E–.01 1–8 3.5b 272 0-42
TIR V 05 17 39 32.5 41.82N 21.99E 7 3.9L ¶12793977
SOF V 05 17 39 32.9 41.85N 22.11E 7 3.7
SKO V 05 17 39 32.9 41.80N 22.09E 2 3.7L,3.2
ISCJB V 05 17 39 32.2–.41 41.84N–.01 22.11E–.02 1–3 3.5b,3.2
BEO V 05 17 39 33.3–.50 41.81N 22.06E 6–2 3.5L,3.2
PDG V 05 17 39 33.4–.58 41.86N 22.09E 8–0 3.4L,3.2
IDC V 05 17 39 33.7–1.2 41.88N 22.17E 0 3.6,3.6b
CSEM V 05 17 39 33.3–.09 41.85N 22.09E 2 3.8L,3.6b
PRU V 05 17 39 34.3 41.77N 22.13E 2 3.8L,3.6b
ATH V 05 17 39 34.2 41.77N 22.16E 19–0 3.9,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=145.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
IDC Error ellipse: s-maj=17.1km s-min=13.9km az=12.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=46.0.
ATH Error ellipse: s-maj=1.0km s-min=0.6km az=-1.0.
ISC V 05 21 10 07.3–1.2 43.81N–.03 16.28E–.03 2–10 169 1-8
BEO V 05 21 10 04.8–.88 43.83N 15.90E 0 3.2L ¶12793983
VIE V 05 21 10 08.1–.46 43.71N 16.46E 10 3.0L,2.7b
LDG V 05 21 10 09.9–.22 43.86N 16.42E 10 3.3L,2.7b
CSEM V 05 21 10 09.0–.16 43.80N 16.22E 2 3.2L,2.7b
PDG V 05 21 10 09.1–.61 43.88N 16.36E 3–1 3.0L,2.7b
PRU V 05 21 10 10.9 43.96N 16.47E 0 3.0L,2.7b
ISC Event type ke.
BEO Event type ke.
VIE Error ellipse: s-maj=5.0km s-min=3.4km az=47.0. 22 km N of Split .
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=2.6km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=2.8km az=32.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
ISC V 05 23 09 09.8–1.3 45.11N–.04 14.94E–.04 10–10 47 0-3
CSEM V 05 23 09 08.6–.71 45.04N 14.89E 15 2.5L ¶14370505
VIE V 05 23 09 11.4–.48 45.20N 14.83E 8 2.0L,1.6b
ISCJB V 05 23 09 11.3–.89 45.18N–.04 14.86E–.05 2–8 2.0L,1.6b
ISC Event type ke.
CSEM Event type ke.
VIE 37 km ESE of Rijeka .
ISCJB Event type ke.
ISC V 06 01 01 39.6–1.1 41.85N–.02 22.08E–.01 0–10 219 0-5
SOF V 06 01 01 37.5 41.89N 21.94E 5 3.2 ¶12906365
SKO V 06 01 01 39.2 41.82N 22.09E 7 2.8L,2.2
PDG V 06 01 01 39.7–.55 41.90N 22.15E 2–1 2.4L,2.2
CSEM V 06 01 01 40.0–.10 41.87N 22.08E 2 2.6L,2.2
THE V 06 01 01 40.3 41.82N 22.10E 0–1 2.9L,2.2
BEO V 06 01 01 40.8–.48 41.88N 22.02E 2–2 2.6L,2.2
ATH V 06 01 01 42.0 41.70N 22.16E 19–2 3.3,2.2
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=50.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=310.0.
BEO Event type ke.
ATH Error ellipse: s-maj=2.6km s-min=1.6km az=-1.0.
ISC V 06 03 32 39.3–1.1 41.86N–.02 22.03E–.01 4–9 228 0-42
TIR V 06 03 32 37.3 41.87N 22.04E 8 3.3L ¶12793989
SOF V 06 03 32 37.9 41.89N 21.97E 10 3.7
SKO V 06 03 32 38.9 41.82N 22.07E 10 3.3L,2.8
PDG V 06 03 32 39.7–.36 41.85N 22.08E 11–0 3.0L,2.8
IDC V 06 03 32 39.6–1.3 41.77N 22.11E 0 3.3b,3.3
ATH V 06 03 32 39.4 41.87N 22.11E 15–2 3.4,3.3
THE V 06 03 32 40.0 41.84N 22.08E 0–1 3.5L,3.3
CSEM V 06 03 32 40.0–.09 41.85N 22.09E 2 3.5L,3.3
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
IDC Error ellipse: s-maj=21.5km s-min=18.3km az=160.0.
ATH Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=310.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=33.0.
ISC V 06 08 11 38.2–1.0 41.82N–.03 22.08E–.03 9–14 29 1-2
CSEM V 06 08 11 38.2–.23 41.79N 22.09E 20–0 2.0L ¶14694989
BEO V 06 08 11 38.9–.59 41.82N 22.10E 8–8 1.9L
SKO V 06 08 11 38.1 41.83N 22.11E 11 2.0L,1.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=44.0.
BEO Event type ke.
ISC V 06 14 29 16.8–1.1 41.85N–.02 22.08E–.01 2–10 171 0-5
SOF V 06 14 29 15.8 41.84N 22.02E 10 3.4 ¶12906366
SKO V 06 14 29 16.5 41.81N 22.07E 15 2.9L,2.4
ATH V 06 14 29 17.3 41.81N 22.10E 17–3 3.4,2.4
CSEM V 06 14 29 17.5–.14 41.85N 22.15E 2 2.9L,2.4
THE V 06 14 29 17.4 41.82N 22.07E 2–1 3.0L,2.4
PDG V 06 14 29 17.4–.64 41.86N 22.10E 2–1 2.8L,2.4
BEO V 06 14 29 19.2–.50 41.93N 22.05E 2–2 2.9L,2.4
ISC Event type ke.
ATH Error ellipse: s-maj=8.5km s-min=3.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=40.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=240.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=0.0.
BEO Event type ke.
ISC V 07 03 33 09.7–.95 41.15N–.02 22.83E–.02 8–8 97 0-3
SKO V 07 03 33 08.8 41.11N 22.83E 15 2.3L,2.1 ¶14301645
ATH V 07 03 33 09.1 41.15N 22.81E 21–1 3.0,2.1
THE V 07 03 33 09.7 41.15N 22.84E 2–1 2.4L,2.1
ISCJB V 07 03 33 09.1–.40 41.14N–.02 22.82E–.02 4–3 2.4L,2.1
CSEM V 07 03 33 09.8–.14 41.12N 22.82E 5 2.3L,2.1
BEO V 07 03 33 11.1–1.6 41.15N 22.99E 6–2 2.0L,2.1
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=21.6.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=19.0.
BEO Event type ke.
ISC V 07 12 11 06.9–.97 45.02N–.02 16.97E–.02 9–7 3.7b 353 0-88
STR V 07 12 10 56.0–8.2 44.66N 17.97E 5 3.8L ¶12793648
ISCJB V 07 12 11 05.7–.32 45.05N–.01 16.96E–.02 8–2 3.7b
IDC V 07 12 11 06.5–.97 45.02N 16.69E 0 4.0,4.0L
PDG V 07 12 11 06.7–.52 45.02N 16.96E 9–1 3.8L,4.0L
SZGRF V 07 12 11 06.2 44.85N 17.31E 10 4.1b,4.0L
PRU V 07 12 11 07.3 45.06N 17.03E 0 4.1b,4.0L
CSEM V 07 12 11 07.3–.10 45.04N 16.96E 10 4.1L,4.0L
BEO V 07 12 11 07.1–.33 44.95N 16.93E 12–2 3.7L,4.0L
LDG V 07 12 11 07.1–.08 45.02N 16.92E 10 3.8L,4.0L
ISC Event type ke.
STR Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=139.4.
IDC Error ellipse: s-maj=17.5km s-min=11.5km az=82.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
SZGRF Northwestern Balkan Peninsula.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.0km az=40.0.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=59.0.
LJU V 07 23 32 49.2 46.02N 15.41E 10 0.4L
CSEM V 07 23 32 49.2 46.02N 15.41E 0 0.4L ¶14702468
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
LJU V 07 23 49 25.8 46.18N 14.35E 10 0.3L
¶14702469
ISC V 08 04 50 34.7–1.1 41.82N–.02 22.06E–.02 4–10 82 0-3
SOF V 08 04 50 32.8 41.85N 22.03E 1 2.6 ¶14301699
SKO V 08 04 50 34.5 41.80N 22.08E 13 1.9L,1.5
CSEM V 08 04 50 34.9–.12 41.83N 22.08E 2 2.0L,1.5
THE V 08 04 50 35.8 41.81N 22.13E 2–2 2.4L,1.5
BEO V 08 04 50 35.6–.69 41.84N 22.07E 4–3 2.0L,1.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=54.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=249.0.
BEO Event type ke.
ISC V 08 13 47 04.8–1.2 44.68N–.04 16.74E–.03 10–9 80 0-6
CSEM V 08 13 47 04.8–.25 44.67N 16.72E 8 2.8L ¶12793666
ISCJB V 08 13 47 04.5–.72 44.69N–.04 16.76E–.04 10–4 2.8L
PRU V 08 13 47 05.8 44.81N 16.92E 3 2.8L
BEO V 08 13 47 05.1–.54 44.68N 16.75E 7–3 2.8L
VIE V 08 13 47 05.5–.38 44.77N 16.84E 10 2.7b,2.6L
ISC Event type ke.

CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.0km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.3km az=35.3.
BEO Event type ke.
VIE Error ellipse: s-maj=2.8km s-min=2.5km az=125.0. 102 km WSW of Slavonski Brod .
ISC V 08 19 11 54.0–.86 46.51N–.04 16.70E–.02 14–5 42 0-3
PRU V 08 19 11 50.3 46.33N 17.01E 0 **¶12793668**
VIE V 08 19 11 51.8–.68 46.53N 16.78E 5 2.4L,1.8b
CSEM V 08 19 11 53.6–.22 46.50N 16.68E 15 3.3L,1.8b
ISCJB V 08 19 11 53.5–.57 46.58N–.04 16.69E–.05 5–6 3.3L,1.8b
ISC Event type ke.
VIE 42 km NE of Varazdin .
CSEM Event type ke.
ISCJB Event type ke.
ISC V 08 19 12 13.3–.99 46.57N–.06 16.67E–.03 12–8 23 0-3
CSEM V 08 19 12 13.8–.33 46.51N 16.71E 10 3.6L **¶12793669**
PRU V 08 19 12 18.9 46.72N 15.90E 0 3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.6km s-min=5.8km az=162.0.
ISC V 09 02 25 44.5–.80 46.54N–.02 16.71E–.02 12–5 115 0-5
VIE V 09 02 25 42.0–.30 46.55N 16.78E 4–3 2.4L,1.9b **¶12793679**
ISCJB V 09 02 25 42.8–.41 46.56N–.02 16.72E–.02 4–3 2.4L,1.9b
LJU V 09 02 25 43.7 46.52N 16.69E 18 2.2L,1.9b
CSEM V 09 02 25 43.9–.13 46.54N 16.68E 10 2.6L,1.9b
PRU V 09 02 25 44.2 46.54N 16.76E 8 2.6L,1.9b
BEO V 09 02 25 44.2–.35 46.58N 16.76E 15–3 2.1L,1.9b
ISC Event type ke.
VIE Error ellipse: s-maj=2.2km s-min=1.8km az=161.0. 43 km NE of Varazdin .
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=149.4.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=157.0.
BEO Event type ke.
LJU V 10 17 51 19.1 45.85N 15.18E 6 0.1L
CSEM V 10 17 51 19.1 45.85N 15.18E 0 0.1L **¶14702483**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
ISC V 13 00 25 06.4–1.5 44.85N–.05 15.91E–.07 4–12 30 1-2
CSEM V 13 00 25 05.9–.46 44.88N 16.03E 0–3 3.0L **¶14370543**
VIE V 13 00 25 09.8–.55 45.00N 15.80E 10–1 2.0L,1.7b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=5.1km az=55.0.
VIE Error ellipse: s-maj=3.3km s-min=3.2km az=51.0. 58 km SSE of Karlovac .
ISC V 13 08 50 32.7–.92 42.15N–.03 19.63E–.02 15–7 58 0-2
TIR V 13 08 50 31.1 42.16N 19.61E 25 3.0L **¶12906371**
PDG V 13 08 50 32.2–.20 42.15N 19.65E 15–0 1.9L
CSEM V 13 08 50 32.4–.22 42.15N 19.64E 10 3.0L
ISCJB V 13 08 50 32.3–.54 42.15N–.03 19.64E–.03 13–6 3.0L
BEO V 13 08 50 33.8–1.4 42.26N 19.63E 12–9 1.8L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=17.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=14.5.
BEO Event type ke.
ISC V 13 22 04 24.2–1.2 45.21N–.03 15.77E–.02 5–10 65 0-3
CSEM V 13 22 04 23.9–.25 45.20N 15.78E 2 2.7L **¶14370548**
VIE V 13 22 04 27.9–.41 45.41N 15.68E 10–1 2.0b,1.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=15.0.
VIE Error ellipse: s-maj=2.5km s-min=1.6km az=140.0. 13 km SE of Karlovac .
ISC V 13 22 58 37.8–1.0 45.20N–.02 15.80E–.01 10–8 330 0-9
ISCJB V 13 22 58 36.2–.32 45.17N–.02 15.83E–.02 1–2 **¶12824894**
CSEM V 13 22 58 37.3–.08 45.18N 15.81E 2 3.7L
PDG V 13 22 58 38.5–.93 45.30N 15.99E 16–2 3.5L
VIE V 13 22 58 39.0–.53 45.29N 15.82E 10–1 3.1L,2.9b
BEO V 13 22 58 38.1–.37 45.22N 15.81E 13–3 3.3L,2.9b
LDG V 13 22 58 38.0–.14 45.34N 16.05E 10 3.4L,2.9b
PRU V 13 22 58 40.5 45.33N 15.89E 9 3.4L,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=31.3.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=32.0.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.7km az=0.0.
VIE Error ellipse: s-maj=3.0km s-min=2.2km az=159.0. 30 km SE of Karlovac .
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.3km az=45.0.
ISC V 13 23 52 34.2–1.7 43.78N–.06 16.68E–.06 15–15 50 1-6
VIE V 13 23 52 33.0–.57 43.71N 16.62E 12–4 2.6L,2.4b **¶12824895**
CSEM V 13 23 52 34.5–.41 43.81N 16.34E 2 2.5L,2.4b
BEO V 13 23 52 35.1–.83 43.85N 16.30E 2–5 2.5L,2.4b
ISC Event type ke.
VIE Error ellipse: s-maj=7.7km s-min=5.5km az=95.0. 25 km NNE of Split .
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=5.0km az=43.0.
BEO Event type ke.
ISC V 14 23 19 23.4–.87 41.07N–.02 22.37E–.02 9–7 72 0-2
SOF V 14 23 19 21.2 41.00N 22.36E 20 2.6 **¶14301952**
ISCJB V 14 23 19 22.8–.43 41.08N–.02 22.37E–.03 1–6 2.6
CSEM V 14 23 19 23.4–.14 41.07N 22.38E 2 1.9L
SKO V 14 23 19 23.3 41.07N 22.40E 19 2.1L,1.7
BEO V 14 23 19 24.9–1.4 41.10N 22.32E 0–6 1.8L,1.7
THE V 14 23 19 24.1 41.04N 22.40E 4–1 1.9L,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=174.5.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=105.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=135.0.
ISC V 20 00 21 55.5–.95 43.10N–.02 18.99E–.02 7–7 115 0-6
ISCJB V 20 00 21 54.5–.29 43.12N–.01 18.95E–.03 9–2 **¶12906376**
PDG V 20 00 21 55.3–.26 43.09N 18.94E 5–0 2.8,2.7L
CSEM V 20 00 21 55.1–.14 43.09N 18.98E 2 2.8s,2.7L
BEO V 20 00 21 56.1–.33 43.09N 18.99E 7–2 2.7L,2.7L
VIE V 20 00 21 59.2–.58 43.39N 19.03E 10 2.8s,2.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=0.8.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=83.0.
BEO Event type ke.
VIE Error ellipse: s-maj=10.9km s-min=4.2km az=43.0. 69 km SE of Sarajevo .
ISC V 21 08 21 45.0–.83 46.47N–.02 14.90E–.01 12–6 150 0-2
ISCJB V 21 08 21 44.7–.25 46.47N–.01 14.88E–.02 6–4 **¶14370589**
VIE V 21 08 21 44.8–.12 46.46N 14.90E 8–1 2.8L,2.3b
LJU V 21 08 21 44.9 46.47N 14.89E 10 2.2L,2.3b
CSEM V 21 08 21 45.1–.07 46.48N 14.88E 10 3.2L,2.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=11.9.
VIE Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=137.0. 16 km SSE of Bleiburg .
felt 3-4 ems98 at Bleiburg and Neuhaus / CARINTHIA.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=14.0.
ISC V 21 15 16 28.6–1.1 42.36N–.02 19.43E–.02 15–9 76 0-3
TIR V 21 15 16 27.1 42.36N 19.40E 7 3.0L **¶12906383**
ISCJB V 21 15 16 28.3–.35 42.36N–.02 19.46E–.03 11–3 3.0L
PDG V 21 15 16 28.6–.27 42.37N 19.43E 14–0 2.1,2.0L
CSEM V 21 15 16 28.4–.18 42.35N 19.41E 20–0 2.0L,2.0L
BEO V 21 15 16 29.2–.47 42.42N 19.56E 0 1.8L,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=15.1.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=21.0.
BEO Event type ke.
ISC V 21 21 40 50.5–1.5 44.16N–.08 15.9E–.10 5–15 10 1-2
¶16662319
ISC Event type ke.
ISC V 22 04 12 33.4–.85 46.49N–.02 14.90E–.02 13–6 88 0-2
ISCJB V 22 04 12 33.4–.38 46.48N–.02 14.89E–.03 7–7 **¶14370592**
VIE V 22 04 12 33.5–.27 46.48N 14.89E 9–5 2.0L,0.8b
LJU V 22 04 12 33.4 46.48N 14.89E 12 1.9L,0.8b
ROM V 22 04 12 33.6–.78 46.49N 14.97E 11–8 2.4,1.8L
CSEM V 22 04 12 33.8–.09 46.48N 14.89E 2 2.5L,1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=155.7.
VIE Error ellipse: s-maj=1.7km s-min=0.9km az=7.0. 14 km SSE of Bleiburg .
ROM Event type ke. Error ellipse: s-maj=8.9km s-min=2.5km az=136.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=157.0.
ISC V 23 11 35 12.2–.79 41.30N–.02 22.70E–.02 11–5 103 0-3
SKO V 23 11 35 11.9 41.32N 22.71E 13 2.3L,2.0 **¶14302354**
ISCJB V 23 11 35 11.5–.35 41.32N–.02 22.71E–.02 6–3 2.3L,2.0
CSEM V 23 11 35 12.1–.11 41.31N 22.70E 5 2.4L,2.0
ATH V 23 11 35 12.5 41.26N 22.72E 19–1 2.9,2.0
BEO V 23 11 35 12.8–.74 41.32N 22.64E 9–3 2.4L,2.0
THE V 23 11 35 12.5 41.29N 22.72E 2–1 2.7L,2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=141.7.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=45.0.
ATH Error ellipse: s-maj=1.6km s-min=0.8km az=-1.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=208.0.
ISC V 23 13 38 53.6–.83 41.29N–.02 22.70E–.02 9–6 65 0-3
THE V 23 13 38 53.8 41.29N 22.72E 4–1 2.2L **¶14302358**
ISCJB V 23 13 38 53.2–.42 41.30N–.02 22.70E–.04 8–4 2.2L
ATH V 23 13 38 53.5 41.28N 22.72E 19–1 2.7
SKO V 23 13 38 53.1 41.31N 22.70E 12 1.8L,1.5
CSEM V 23 13 38 53.5–.17 41.29N 22.69E 8 1.7L,1.5
BEO V 23 13 38 55.2–.78 41.34N 22.63E 4–4 1.7L,1.5
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=208.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=173.0.
ATH Error ellipse: s-maj=1.6km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=70.0.
BEO Event type ke.
ISC V 23 16 50 55.1–.83 41.29N–.02 22.71E–.02 8–6 118 0-3
SKO V 23 16 50 54.3 41.29N 22.73E 15 2.4L,2.1 **¶14302361**
ISCJB V 23 16 50 54.3–.32 41.32N–.02 22.70E–.03 8–3 2.4L,2.1
CSEM V 23 16 50 55.1–.12 41.29N 22.71E 2 2.3L,2.1
ATH V 23 16 50 55.0 41.28N 22.73E 19–1 2.8,2.1
BEO V 23 16 50 55.8–.75 41.28N 22.72E 0–3 2.4L,2.1
THE V 23 16 50 55.2 41.29N 22.72E 3–1 2.6L,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=147.9.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=53.0.
ATH Error ellipse: s-maj=1.6km s-min=0.8km az=-1.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=211.0.
ISC V 23 16 55 16.8–.85 41.30N–.02 22.71E–.02 7–6 75 0-2
SKO V 23 16 55 15.5 41.30N 22.70E 15 1.6L,1.2 **¶14302362**
ATH V 23 16 55 16.5 41.32N 22.71E 14–3 2.6,1.2
ISCJB V 23 16 55 16.1–.43 41.31N–.02 22.71E–.03 0–5 2.6,1.2
THE V 23 16 55 16.9 41.30N 22.72E 2–1 1.9L,1.2
CSEM V 23 16 55 16.8–.10 41.29N 22.72E 2 1.9L,1.2
BEO V 23 16 55 18.6–.72 41.34N 22.61E 3–4 1.5L,1.2
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=157.4.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=201.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=62.0.
BEO Event type ke.
ISC V 23 20 42 55.0–.46 44.60N–.01 15.33E–.01 15–3 251 0-9
SZGRF V 23 20 42 54.0 44.48N 16.10E 10 3.1b **¶12862090**
ROM V 23 20 42 54.3–.31 44.52N 15.60E 10 3.0L
LDG V 23 20 42 54.8–.10 44.58N 15.47E 2 3.0L
PDG V 23 20 42 54.7–.63 44.58N 15.39E 2–1 3.0L
VIE V 23 20 42 55.8–.60 44.64N 15.58E 10 3.0L,2.6b
PRU V 23 20 42 56.4 44.67N 15.43E 5 3.0L,2.6b
CSEM V 23 20 42 57.2–.11 44.64N 15.25E 20 2.9L,2.6b
BEO V 23 20 42 57.6–.61 44.74N 15.48E 17–5 2.8L,2.6b
ISC Event type ke.
SZGRF Northwestern Balkan Peninsula.
ROM Event type ke. Error ellipse: s-maj=5.7km s-min=2.4km az=88.0.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=113.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.1km az=0.0.
VIE Error ellipse: s-maj=4.7km s-min=4.0km az=145.0. 94 km S of Karlovac .
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=13.0.
BEO Event type ke.
ISC V 23 23 22 35.2–.80 41.30N–.01 22.71E–.01 7–5 3.7b 439 0-71
TIR V 23 23 22 32.6 41.31N 22.76E 77 3.6L **¶12862091**
SOF V 23 23 22 33.9 41.30N 22.73E 5 3.4
IDC V 23 23 22 33.5–.98 41.18N 22.68E 0 3.8,3.7
ISCJB V 23 23 22 34.1–.29 41.33N–.01 22.74E–.01 4–2 3.7b,3.7
ATH V 23 23 22 34.8 41.28N 22.72E 21–1 3.4L,3.0
SKO V 23 23 22 34.4 41.29N 22.70E 15 3.5L,3.2
CSEM V 23 23 22 35.0–.08 41.29N 22.72E 2 3.1s,3.2
PDG V 23 23 22 35.1–.61 41.27N 22.72E 9–0 3.5L,3.2
THE V 23 23 22 35.2 41.30N 22.73E 1–1 3.8L,3.2
VIE V 23 23 22 35.9–.89 41.33N 22.73E 10 3.5b,3.1s
BEO V 23 23 22 36.1–.46 41.36N 22.65E 7–2 3.7L,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=12.7km s-min=11.7km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=30.9.
ATH Error ellipse: s-maj=1.5km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=52.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=348.0.
VIE Error ellipse: s-maj=11.6km s-min=2.6km az=1.0. 71 km WNW of Serres .
BEO Event type ke.
LJU V 23 23 55 48.2 45.53N 14.33E 9 0.4L
CSEM V 23 23 55 48.2 45.53N 14.33E 0 0.4L **¶14702539**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
ISC V 23 23 56 34.9–1.2 41.32N–.06 22.75E–.04 4–17 18 0-1
CSEM V 23 23 56 34.1–.58 41.37N 22.81E 9–1 2.8 **¶14695419**
SKO V 23 23 56 35.4 41.30N 22.71E 0 1.3L,0.9
ATH V 23 23 56 36.3 41.30N 22.82E 16–10 2.8,0.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=18.2km s-min=7.7km az=10.0.
ATH Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0.
ISC V 24 00 34 42.2–1.2 41.35N–.07 22.67E–.03 19–3 28 0-2
SKO V 24 00 34 41.4 41.37N 22.70E 22 1.3L,1.0 **¶14695448**
ISCJB V 24 00 34 42.1–.89 41.33N–.07 22.71E–.06 18–7 1.3L,1.0
ATH V 24 00 34 42.0 41.31N 22.67E 27–0 2.9,1.0
CSEM V 24 00 34 42.2–.36 41.34N 22.71E 18–1 2.9,1.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=7.3km az=163.6.
ATH Error ellipse: s-maj=1.3km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=5.6km az=175.0.
ISC V 24 00 36 49.0–.98 41.30N–.06 22.75E–.05 13–9 21 0-2
ISCJB V 24 00 36 48.8–1.1 41.24N–.09 22.81E–.09 7–15 **¶14695450**
SKO V 24 00 36 49.2 41.34N 22.69E 15 1.0L,0.7
CSEM V 24 00 36 49.4–.42 41.30N 22.78E 9–1 2.7,0.7
ATH V 24 00 36 50.8 41.20N 22.77E 19–2 2.7,0.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=8.1km az=151.1.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=6.1km az=7.0.
ATH Error ellipse: s-maj=1.3km s-min=0.7km az=-1.0.
ISC V 24 00 58 48.6–1.3 41.34N–.07 22.71E–.03 16–8 29 0-2
ISCJB V 24 00 58 48.6–.98 41.35N–.07 22.72E–.06 15–7 **¶14695453**
SKO V 24 00 58 48.6 41.29N 22.71E 15 1.4L,1.0
ATH V 24 00 58 48.9 41.33N 22.68E 18–0 2.8,1.0
CSEM V 24 00 58 48.8–.54 41.33N 22.72E 16–2 2.8,1.0
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=7.3km az=168.1.
ATH Error ellipse: s-maj=0.8km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.6km s-min=8.2km az=2.0.

ISC	**V**	**24 01 00 41.5–.81**	**41.28N–.02**	**22.71E–.02**	**8–5**		**90**	**0-3**
SKO	V	24 01 00 40.3	41.30N	22.71E	15	1.9L,1.5		¶14302386
ISCJB	V	24 01 00 40.7–.40	41.32N–.02	22.71E–.03	8–3	1.9L,1.5		
CSEM	V	24 01 00 40.9–.18	41.31N	22.71E	8–1	1.7L,1.5		
ATH	V	24 01 00 41.3	41.25N	22.73E	20–0	2.9,1.5		
THE	V	24 01 00 41.6	41.29N	22.72E	4–1	1.9L,1.5		
BEO	V	24 01 00 43.2–.58	41.37N	22.53E	1–5	1.7L,1.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=28.8.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=56.0.
ATH Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=208.0.
BEO Event type ke.

SOF	**V**	**24 10 05 24.3**	**41.31N**	**22.73E**	**5**	**2.5**		
SKO	V	24 10 05 23.4	41.34N	22.70E	17	1.4L,1.1		¶14695472
ISC	**V**	**24 11 56 27.7–1.6**	**41.30N–.10**	**22.70E–.05**	**9–9**		**21**	**0-2**
SOF	V	24 11 56 26.9	41.28N	22.71E	12	2.6		¶14695473
ISCJB	V	24 11 56 27.1–1.4	41.37N–.06	22.6E–.10	13–8	2.6		
CSEM	V	24 11 56 27.3–.34	41.34N	22.63E	10	1.8L		
SKO	V	24 11 56 28.4	41.31N	22.69E	2	1.9L,1.5		
BEO	V	24 11 56 29.5–1.2	41.35N	22.58E	4–0	1.8L,1.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=8.8km az=151.1.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=6.0km az=2.0.
BEO Event type ke.

ISC	**V**	**24 14 13 36.1–.82**	**41.27N–.02**	**22.69E–.01**	**8–5**		**197**	**0-6**
THE	V	24 14 13 35.8	41.29N	22.72E	2–1	3.3L		¶14302392
SKO	V	24 14 13 35.1	41.29N	22.70E	15	2.7L,2.2		
ATH	V	24 14 13 35.5	41.28N	22.72E	20–0	3.5,2.2		
CSEM	V	24 14 13 35.8–.10	41.28N	22.70E	2	2.8L,2.2		
ISCJB	V	24 14 13 35.3–.33	41.29N–.01	22.70E–.02	6–2	2.8L,2.2		
SOF	V	24 14 13 35.3	41.33N	22.71E	8	3.2,2.2		
BEO	V	24 14 13 36.4–.71	41.33N	22.70E	4–3	2.8L,2.2		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=196.0.
ATH Error ellipse: s-maj=1.4km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=161.9.
BEO Event type ke.

SKO	**V**	**24 14 28 53.4**	**41.31N**	**22.71E**	**0**	**0.2,0.1L**		
								¶14695477
ISC	**V**	**24 14 29 15.9–.68**	**41.29N–.01**	**22.70E–.01**	**9–4**	**4.1b,3.1s**	**777**	**0-94**
PRU	V	24 14 29 12.9	41.09N	23.16E	0	4.2,3.1s		¶14695479
IDC	V	24 14 29 14.7–.71	41.26N	22.65E	0	4.0,4.0		
BEO	V	24 14 29 15.3–.71	41.25N	22.72E	7–2	4.1L,4.0		
ATH	V	24 14 29 15.2	41.29N	22.73E	19–1	3.8L,4.0		
SKO	V	24 14 29 15.1	41.30N	22.70E	15	3.7L,3.2		
PDG	V	24 14 29 16.0–.54	41.30N	22.69E	10–0	3.7L,3.2		
ISCJB	V	24 14 29 15.0–.27	41.319N–.01	22.66E–.01	10–2	4.0b,3.2s		
CSEM	V	24 14 29 15.9–.07	41.28N	22.68E	5	4.2b,2.7s		
SOF	V	24 14 29 15.2	41.35N	22.71E	8	3.7,2.7s		
NEIC	V	24 14 29 16.2	41.27N	22.72E	2	4.2b,4.2L		
THE	V	24 14 29 16.2	41.27N	22.72E	2–1	4.2L,4.2L		
MOS	V	24 14 29 16.9–1.2	41.31N	22.58E	23	4.4b,4.2L		

ISC Event type fe.
IDC Error ellipse: s-maj=13.7km s-min=10.7km az=152.0.
BEO Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=141.2.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=69.0.
NEIC Event type fe. Felt at Kilkis, Greece. After THE.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=210.0.

SKO	**V**	**24 14 30 10.3**	**41.33N**	**22.71E**	**15**	**2.4L,2.0**		
								¶14695483
ISC	**V**	**24 14 31 00.5–.85**	**41.29N–.02**	**22.71E–.01**	**6–6**	**3.8b**	**115**	**0-46**
ISCJB	V	24 14 30 59.7–.33	41.31N–.02	22.71E–.02	3–3	3.5b,3.4s		¶14695484
IDC	V	24 14 30 59.3–1.4	41.33N	22.54E	0	4.4L,3.8		
SOF	V	24 14 30 59.7	41.30N	22.73E	10	3.2,3.8		
CSEM	V	24 14 31 00.4–.12	41.29N	22.72E	2	3.2L,3.8		
SKO	V	24 14 31 00.0	41.30N	22.70E	15	3.2L,2.8		
ATH	V	24 14 31 00.5	41.26N	22.73E	9–9	3.3,2.8		
THE	V	24 14 31 01.5	41.25N	22.70E	1–4	3.5L,2.8		
BEO	V	24 14 31 02.8–.76	41.33N	22.65E	0	3.2L,2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=27.9.
IDC Error ellipse: s-maj=27.0km s-min=23.1km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=11.0.
ATH Error ellipse: s-maj=1.4km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=0.8km az=358.0.
BEO Event type ke.

ISC	**V**	**24 14 34 03.8–.81**	**41.29N–.01**	**22.71E–.01**	**6–5**	**3.8b**	**396**	**0-94**
ISCJB	V	24 14 34 02.6–.30	41.31N–.01	22.72E–.01	2–2	3.8b		¶12862096
SOF	V	24 14 34 02.9	41.33N	22.73E	2	3.7		
IDC	V	24 14 34 02.9–.96	41.27N	22.61E	0	3.9,3.8		
ATH	V	24 14 34 03.0	41.31N	22.72E	16–1	3.7,3.7L		
PDG	V	24 14 34 03.9–.77	41.32N	22.69E	5–1	3.5L,3.7L		
SKO	V	24 14 34 03.0	41.29N	22.69E	15	3.4L,3.1		
BEO	V	24 14 34 03.0–.71	41.24N	22.73E	8–2	3.8L,3.1		
CSEM	V	24 14 34 04.0–.09	41.28N	22.70E	5	3.6L,3.1		
THE	V	24 14 34 04.3	41.25N	22.70E	2–1	4.1L,3.1		
PRU	V	24 14 34 08.0	41.47N	22.59E	0	4.1L,3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=40.1.
IDC Error ellipse: s-maj=17.4km s-min=14.0km az=155.0.
ATH Error ellipse: s-maj=2.0km s-min=1.2km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=70.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=271.0.

SKO	**V**	**24 14 35 24.0**	**41.31N**	**22.73E**	**0**	**1.6L,1.0**		
								¶14695486
ISC	**V**	**24 14 40 16.8–1.0**	**41.30N–.04**	**22.67E–.05**	**20–3**		**23**	**0-2**
ISCJB	V	24 14 40 16.5–.86	41.25N–.04	22.74E–.07	12–7			¶14695488
ATH	V	24 14 40 16.1	41.32N	22.67E	19–0	2.9		
CSEM	V	24 14 40 16.9–.36	41.27N	22.70E	16–2	2.9		
SKO	V	24 14 40 17.1	41.29N	22.71E	15	1.7L,1.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.0km az=15.3.
ATH Error ellipse: s-maj=0.6km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=8.8km az=61.0.

ISC	**V**	**24 14 43 14.6–.93**	**41.29N–.04**	**22.69E–.04**	**14–8**		**24**	**0-2**
ISCJB	V	24 14 43 14.0–1.2	41.23N–.04	22.78E–.07	6–10			¶14695490
SKO	V	24 14 43 14.3	41.35N	22.69E	15	1.5L,1.2		
ATH	V	24 14 43 14.6	41.28N	22.70E	21–3	2.9,1.2		
CSEM	V	24 14 43 14.9–.23	41.27N	22.77E	9–1	2.9,1.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.7km az=15.9.
ATH Error ellipse: s-maj=2.9km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.9km az=27.0.

ISC	**V**	**24 14 50 37.5–.79**	**41.29N–.02**	**22.69E–.02**	**11–5**		**113**	**0-3**
THE	V	24 14 50 37.8	41.28N	22.70E	2–1	2.4L		¶14302396
SKO	V	24 14 50 37.1	41.30N	22.71E	15	2.2L,1.8		
ATH	V	24 14 50 37.2	41.26N	22.68E	21–1	3.1,1.8		
BEO	V	24 14 50 37.0–1.0	41.24N	22.74E	0–3	2.2L,1.8		
SOF	V	24 14 50 37.0	41.32N	22.70E	9	2.5,1.8		
ISCJB	V	24 14 50 37.0–.32	41.29N–.02	22.69E–.02	6–3	2.5,1.8		
CSEM	V	24 14 50 37.5–.11	41.28N	22.70E	8	2.1L,1.8		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=197.0.
ATH Error ellipse: s-maj=1.8km s-min=1.1km az=-1.0.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=138.8.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=59.0.

ISC	**V**	**24 15 03 59.9–.88**	**41.30N–.02**	**22.71E–.02**	**6–7**		**83**	**0-2**
SOF	V	24 15 03 58.9	41.30N	22.70E	15	2.7		¶14302397
ATH	V	24 15 03 59.8	41.28N	22.71E	17–4	2.9		
CSEM	V	24 15 03 59.7–.12	41.29N	22.70E	8	1.8L		
SKO	V	24 15 03 59.7	41.30N	22.71E	12	1.7L,1.4		
ISCJB	V	24 15 03 59.3–.36	41.31N–.02	22.71E–.03	8–3	1.7L,1.4		
THE	V	24 15 04 00.1	41.30N	22.73E	3–1	2.2L,1.4		
BEO	V	24 15 04 02.0–.84	41.33N	22.64E	1–4	1.8L,1.4		

ISC Event type ke.
ATH Error ellipse: s-maj=2.6km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=39.4.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=198.0.
BEO Event type ke.

ISC	**V**	**24 15 11 33.4–.83**	**41.28N–.02**	**22.71E–.01**	**9–6**		**106**	**0-3**
SKO	V	24 15 11 32.6	41.30N	22.71E	15	2.1L,1.7		¶14302398
THE	V	24 15 11 33.6	41.28N	22.71E	2–1	2.7L,1.7		
ISCJB	V	24 15 11 33.1–.36	41.29N–.02	22.72E–.02	6–3	2.7L,1.7		
ATH	V	24 15 11 33.4	41.24N	22.74E	18–1	3.1,1.7		
CSEM	V	24 15 11 33.3–.16	41.26N	22.74E	10	2.1L,1.7		
BEO	V	24 15 11 34.1–.89	41.29N	22.70E	3–3	2.1L,1.7		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=177.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=26.1.
ATH Error ellipse: s-maj=1.2km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=33.0.
BEO Event type ke.

ISC	**V**	**24 16 17 51.6–.25**	**41.30N–.01**	**22.70E–.01**	**13–1**	**5.2b,4.9s**	**1879**	**0-161**
BGS	V	24 16 17 39.5–1.6	40.64N	23.72E	5	5.3b,5.0s		¶13469839
BJI	V	24 16 17 46.0	41.14N	22.38E	10	5.3s,5.3b		
ISCJB	V	24 16 17 49.5–.22	41.348N–.01	22.706E–.01	10–1	5.1b,5.0s		
SOF	V	24 16 17 49.8	41.32N	22.74E	5	4.3,5.0s		
BEO	V	24 16 17 49.3–.61	41.21N	22.75E	11–2	5.2L,5.0s		
MOS	V	24 16 17 49.8–1.1	41.36N	22.65E	16	5.4b,5.0s		
IDC	V	24 16 17 49.7–.38	41.33N	22.71E	0	5.0,4.9		
NEIC	V	24 16 17 50.8	41.30N	22.71E	0	5.5L,5.3W		
SKO	V	24 16 17 50.1	41.25N	22.72E	15	4.9L,4.6		
THE	V	24 16 17 50.7	41.30N	22.72E	0–3	5.0L,4.6		
PDG	V	24 16 17 50.2–.97	41.30N	22.74E	9–1	5.0,4.9L		
CSEM	V	24 16 17 50.6–.05	41.32N	22.67E	5	5.3W,5.1b		
ATH	V	24 16 17 50.5	41.28N	22.74E	23–0	5.1L,5.1b		
PRU	V	24 16 17 51.5	41.33N	22.80E	4	5.2,5.1b		
SFS	V	24 16 17 51.0	41.32N	22.64E	10	5.4L,5.1b		
SZGRF	V	24 16 17 52.8	41.30N	22.65E	10	5.4L,5.1b		
GCMT	V	24 16 17 53.6–.20	41.17N	22.79E	13	5.3W,5.1b		
DJA	V	24 16 17 58.1–3.4	41N–13	23E–18	42–25	5.7b,5.2		

ISC Event type de.
ISCJB Event type de.
BEO Event type ke.
NEIC Event type de. Dozens of houses damaged in the Valandovo area. Felt [V] at Bogdanci and Strumica, [IV] at Gevgelija and [II] at Skopje. Also felt at Bitola, Dojran, Gostivar, Kavadarci and Prilep. Felt [III] at Sofia and [II] at Plovdiv, Bulgaria. Also felt at Blagoevgrad, Bukhovo, Ikhtiman, Kyustendil, Pernik and Sandanski. Felt at Mitrovica, Kosovo and at Kilkis and Thessaloniki, Greece. After THE. Moment Tensor Solution. s43 Moment tensor: Scale 10^{17} Nm; M_{rr}-1.05 $M_{\theta\theta}$1.14 $M_{\phi\phi}$-0.08 $M_{r\theta}$0.31 $M_{\theta\phi}$0.07 $M_{\phi r}$-0.27 Best double couple: NP1: ϕ_s72.00000°,δ39.00000°,λ-113.00000°. NP2:ϕ_s281.00000°,δ54.00000°,λ-72.00000°. Principal axes: T 1.1800,Plg7.0000°,Azm358.0000°; N -0.0100,Plg14.0000°,Azm90.0000° ; P -1.1600,Plg73.0000°,Azm240.0000° $M_0$1.20000×10^{17}
THE Event type ke.
PDG Event type ke.
CSEM Event type ke.
SFS Event type ke.
SZGRF Northwestern Balkan Peninsula.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=191, per= 50. Moment Tensor Solution. s77,c113; s12,c12; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.92±.02 $M_{\theta\theta}$1.04±.02; $M_{\phi\phi}$-0.12±.02; $M_{r\theta}$0.20±.04; $M_{\theta\phi}$0.15±.01; $M_{\phi r}$-0.39±.05; Best double couple: NP1:ϕ_s62.00000°,δ45.00000°,λ-123.00000°. NP2:ϕ_s285.00000°,δ54.00000°,λ-61.00000°. Principal axes: T 1.0700,Plg5.0000°,Azm355.0000°; N 0.0400,Plg23.0000°,Azm86.0000° ; P -1.1000,Plg67.0000°,Azm254.0000° $M_0$1.10000×10^{17}

ISC	**V**	**24 16 23 09.4–.54**	**41.29N–.01**	**22.71E–.01**	**10–3**	**4.2b**	**694**	**0-121**
IDC	V	24 16 23 07.8–.61	41.22N	22.68E	0	4.2,4.2		¶12906387
SKO	V	24 16 23 08.6	41.30N	22.69E	15	4.0L,3.5		
MOS	V	24 16 23 08.8–1.2	41.32N	22.58E	18	4.6b,3.5		
SOF	V	24 16 23 08.5	41.33N	22.74E	5	4.1,3.5		
ISCJB	V	24 16 23 08.3–.29	41.32N–.01	22.72E–.01	9–2	4.4s,4.2b		
CSEM	V	24 16 23 09.3–.08	41.30N	22.68E	5	4.2L,4.2b		
PDG	V	24 16 23 09.6–.62	41.30N	22.70E	11–0	4.0,3.9L		
THE	V	24 16 23 09.8	41.28N	22.71E	2–2	4.4L,3.9L		
NEIC	V	24 16 23 09.8	41.28N	22.71E	2	4.4b,4.4L		
ATH	V	24 16 23 09.5	41.26N	22.77E	24–0	4.2L,3.8		
BEO	V	24 16 23 09.8–.68	41.32N	22.66E	8–2	4.2L,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=12.8km s-min=11.3km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=40.5.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=53.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=210.0.
NEIC Event type se. After THE.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
BEO Event type ke.

THE	**V**	**24 16 24 33.2**	**41.29N**	**22.68E**	**2–28**	**3.1L**		
CSEM	V	24 16 24 33.2	41.29N	22.68E	2	3.1L		¶14302400

THE Event type ke. Error ellipse: s-maj=28.6km s-min=0.6km az=340.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.

ISC	**V**	**24 16 35 24.1–.90**	**41.27N–.02**	**22.67E–.01**	**4–7**		**234**	**0-10**
BEO	V	24 16 35 22.5–.90	41.17N	22.63E	7–3	3.2L		¶12862098
SKO	V	24 16 35 22.6	41.29N	22.68E	15	3.3L,2.8		
SOF	V	24 16 35 22.8	41.31N	22.71E	6	3.1,2.8		
CSEM	V	24 16 35 23.8–.11	41.27N	22.69E	2	3.2L,2.8		
PDG	V	24 16 35 24.0–.52	41.29N	22.68E	9–0	3.2L,2.8		
THE	V	24 16 35 24.4	41.24N	22.69E	2–1	3.1L,2.8		
PRU	V	24 16 35 26.8	41.43N	22.52E	4	3.1L,2.8		

ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=34.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=25.0.

ISC	**V**	**24 16 39 32.1–.85**	**41.29N–.03**	**22.71E–.03**	**16–5**		**49**	**0-2**
SKO	V	24 16 39 32.5	41.31N	22.70E	15	2.7L,2.4		¶14302402
SOF	V	24 16 39 32.5	41.31N	22.71E	12	2.7,2.4		
THE	V	24 16 39 33.4	41.29N	22.72E	3–0	2.7L,2.4		
CSEM	V	24 16 39 33.0–.11	41.31N	22.71E	5	2.7L,2.4		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=219.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=12.0.

ISC	**V**	**24 16 43 57.5–.83**	**41.28N–.01**	**22.69E–.01**	**6–6**		**187**	**0-42**
ATH	V	24 16 43 56.5	41.31N	22.67E	22–0	3.2		¶12862100
SKO	V	24 16 43 56.7	41.28N	22.71E	15	3.1L,2.8		
ISCJB	V	24 16 43 56.9–.32	41.29N–.02	22.68E–.02	9–2	3.3b,2.8		
SOF	V	24 16 43 56.4	41.30N	22.71E	5	3.1,2.8		
IDC	V	24 16 43 56.8–1.5	41.12N	22.76E	0	3.5,3.4b		
CSEM	V	24 16 43 57.3–.09	41.28N	22.70E	8	3.4L,3.4b		
THE	V	24 16 43 57.3	41.28N	22.70E	0–1	3.4L,3.4b		
BEO	V	24 16 43 57.0–.92	41.25N	22.68E	8–3	3.0L,3.4b		
PRU	V	24 16 44 00.1	41.40N	22.49E	0	3.0L,3.4b		

ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=147.4.
IDC Error ellipse: s-maj=29.7km s-min=25.0km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=50.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=341.0.
BEO Event type ke.

ISC	**V**	**24 16 58 00.5–.93**	**41.30N–.02**	**22.71E–.02**	**4–7**		**187**	**0-42**
ISCJB	V	24 16 57 60.0–.33	41.29N–.02	22.70E–.02	7–3	3.4b		**¶14695912**
ATH	V	24 16 57 59.4	41.33N	22.66E	20–1	3.2		
SOF	V	24 16 57 59.9	41.32N	22.71E	8	3.0		
SKO	V	24 16 58 00.0	41.28N	22.70E	11	3.2L,2.8		
CSEM	V	24 16 58 00.2–.10	41.27N	22.68E	2	3.0L,2.8		
BEO	V	24 16 58 00.7–.83	41.28N	22.71E	4–3	3.2L,2.8		
IDC	V	24 16 58 00.3–1.5	41.36N	22.72E	0	3.5,3.5b		
THE	V	24 16 58 00.8	41.28N	22.72E	1–2	3.4L,3.5b		
PRU	V	24 16 58 02.8	41.37N	22.63E	8	3.4L,3.5b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=155.6.
ATH Error ellipse: s-maj=1.4km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=80.0.
BEO Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=17.4km az=134.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=225.0.

ISC	**V**	**24 17 01 44.7–.85**	**41.28N–.02**	**22.70E–.02**	**8–6**		**144**	**0-42**
ISCJB	V	24 17 01 43.6–.42	41.28N–.02	22.72E–.03	7–3	3.3b		**¶12862102**
SKO	V	24 17 01 43.8	41.31N	22.70E	15	3.2L,2.8		
IDC	V	24 17 01 43.2–1.6	41.50N	22.40E	0	3.3b,3.3		
SOF	V	24 17 01 43.9	41.34N	22.71E	5	3.2,3.3		
CSEM	V	24 17 01 44.8–.16	41.27N	22.69E	10	3.2L,3.3		
BEO	V	24 17 01 44.8–.77	41.29N	22.66E	9–2	3.2L,3.3		
ATH	V	24 17 01 44.3	41.29N	22.71E	23–1	3.2,3.3		
PRU	V	24 17 01 45.9	41.36N	22.56E	0	3.2,3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=143.1.
IDC Error ellipse: s-maj=50.7km s-min=17.6km az=124.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=138.0.
BEO Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.

ATH	**V**	**24 17 15 30.4**	**41.34N**	**22.66E**	**17–3**	**2.9**		
SKO	V	24 17 15 17.9	41.49N	22.86E	0	2.5L,2.4		**¶14695527**
CSEM	V	24 17 15 30.4	41.34N	22.66E	17	2.9,2.4		

ATH Error ellipse: s-maj=2.1km s-min=1.0km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**V**	**24 17 16 49.2–1.2**	**41.29N–.06**	**22.71E–.04**	**12–10**		**19**	**0-1**
ISCJB	V	24 17 16 49.4–.78	41.28N–.10	22.71E–.08	10–13			**¶14695528**
SKO	V	24 17 16 49.1	41.31N	22.67E	15	1.6L,1.2		
ATH	V	24 17 16 49.9	41.28N	22.74E	5–4	2.6,1.2		
CSEM	V	24 17 16 49.4–.23	41.29N	22.72E	15	2.6,1.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=7.6km az=154.0.
ATH Error ellipse: s-maj=1.9km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.2km az=164.0.

ISC	**V**	**24 17 18 53.9–1.2**	**41.29N–.05**	**22.75E–.05**	**8–17**		**20**	**0-1**
ISCJB	V	24 17 18 53.7–.76	41.27N–.07	22.72E–.06	8–9			**¶14695529**
SKO	V	24 17 18 53.1	41.29N	22.71E	15	2.0L,1.6		
ATH	V	24 17 18 53.3	41.33N	22.70E	6	2.5,1.6		
CSEM	V	24 17 18 53.7–.17	41.29N	22.77E	8	2.5,1.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.1km az=168.6.
ATH Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=8.0.

ISC	**V**	**24 17 24 41.3–.80**	**41.29N–.02**	**22.70E–.02**	**11–5**		**91**	**0-2**
SKO	V	24 17 24 40.7	41.30N	22.71E	15	2.3L,2.0		**¶14695530**
ISCJB	V	24 17 24 41.0–.44	41.30N–.03	22.70E–.03	12–3	2.3L,2.0		
ATH	V	24 17 24 41.3	41.27N	22.72E	24–1	2.9,2.0		
THE	V	24 17 24 41.7	41.29N	22.72E	2–1	2.8L,2.0		
CSEM	V	24 17 24 41.1–.26	41.27N	22.72E	12	2.2L,2.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=14.0.
ATH Error ellipse: s-maj=1.8km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=269.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=8.0.

ISC	**V**	**24 17 25 11.5–.98**	**41.27N–.03**	**22.71E–.02**	**7–7**		**46**	**0-1**
SKO	V	24 17 25 10.3	41.28N	22.74E	15	2.3L,2.1		**¶14302406**
ISCJB	V	24 17 25 11.1–.50	41.27N–.03	22.71E–.04	8–5	2.3L,2.1		
THE	V	24 17 25 11.6	41.26N	22.71E	2–2	2.8L,2.1		
CSEM	V	24 17 25 11.3–.10	41.27N	22.73E	5	2.8L,2.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=34.9.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=190.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=29.0.

ISC	**V**	**24 17 26 09.0–1.0**	**41.30N–.05**	**22.70E–.03**	**13–7**		**31**	**0-2**
ISCJB	V	24 17 26 08.4–.84	41.32N–.08	22.72E–.06	14–6			**¶14695540**
SKO	V	24 17 26 08.8	41.31N	22.71E	15	2.5L,2.3		
ATH	V	24 17 26 08.8	41.30N	22.67E	15–1	2.8,2.3		
CSEM	V	24 17 26 08.6–.44	41.32N	22.72E	15	2.8,2.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=6.1km az=165.0.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=6.5km az=178.0.

ISC	**V**	**24 17 29 46.7–1.1**	**41.32N–.09**	**22.68E–.04**	**18–4**		**18**	**0-1**
SKO	V	24 17 29 46.9	41.34N	22.69E	15	1.3L,1.0		**¶14695541**
ISCJB	V	24 17 29 47.6–.77	41.25N–.07	22.70E–.06	7–11	1.3L,1.0		
ATH	V	24 17 29 47.8	41.30N	22.71E	7	2.5,1.0		
CSEM	V	24 17 29 47.6–.10	41.30N	22.76E	5	2.5,1.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=7.3km az=161.3.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.4km az=6.0.

ATH	**V**	**24 17 31 30.0**	**41.26N**	**22.79E**	**4**	**2.6**		
CSEM	V	24 17 31 30.0	41.26N	22.79E	4	2.6		**¶14695542**

ATH Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

SKO	**V**	**24 17 31 56.7**	**41.31N**	**22.69E**	**1**	**1.6L,1.3**		
								¶16551622
ISC	**V**	**24 17 34 50.4–1.2**	**41.30N–.06**	**22.74E–.04**	**11–11**		**20**	**0-1**
SKO	V	24 17 34 49.3	41.34N	22.73E	19	1.3L,1.0		**¶14695543**
ISCJB	V	24 17 34 50.5–.83	41.29N–.06	22.76E–.04	6–11	1.3L,1.0		
CSEM	V	24 17 34 50.6–.14	41.29N	22.75E	12	2.6,1.0		
ATH	V	24 17 34 51.1	41.27N	22.75E	4	2.6,1.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.3km az=0.5.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.1km az=2.0.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.

ISC	**V**	**24 17 39 02.1–1.4**	**41.34N–.07**	**22.68E–.04**	**11–10**		**19**	**0-1**
CSEM	V	24 17 38 59.5–.94	41.45N	22.68E	8	2.7		**¶14695545**
ISCJB	V	24 17 39 01.7–1.5	41.3N–.10	22.8E–.10	9–20	2.7		
SKO	V	24 17 39 02.8	41.32N	22.73E	15	1.5L,1.2		
ATH	V	24 17 39 02.5	41.35N	22.72E	16–5	2.7,1.2		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=21.7km s-min=10.3km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=24.3km s-min=8.6km az=147.8.
ATH Error ellipse: s-maj=1.0km s-min=0.7km az=-1.0.

ISC	**V**	**24 17 46 28.0–.86**	**41.29N–.02**	**22.67E–.02**	**10–5**		**85**	**0-6**
ISCJB	V	24 17 46 26.6–.57	41.26N–.02	22.73E–.04	6–5			**¶14695546**
ATH	V	24 17 46 27.3	41.30N	22.69E	22–1	3.2		
SKO	V	24 17 46 27.1	41.30N	22.69E	15	2.8L,2.4		
CSEM	V	24 17 46 27.2–.19	41.22N	22.70E	5	2.8L,2.4		
SOF	V	24 17 46 27.0	41.27N	22.70E	10	3.0,2.4		
BEO	V	24 17 46 29.0–.85	41.33N	22.64E	4–2	2.8L,2.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=174.2.
ATH Error ellipse: s-maj=1.5km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=66.0.
BEO Event type ke.

ISC	**V**	**24 18 03 08.1–1.1**	**41.27N–.04**	**22.76E–.04**	**4–13**		**26**	**0-2**
ISCJB	V	24 18 03 07.8–.86	41.27N–.09	22.75E–.08	10–12			**¶14695548**
SKO	V	24 18 03 07.9	41.29N	22.65E	15	1.8L,1.4		
CSEM	V	24 18 03 08.3–.32	41.28N	22.75E	8	2.8,1.4		
ATH	V	24 18 03 09.2	41.22N	22.73E	18–2	2.8,1.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=7.6km az=154.9.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.8km az=11.0.
ATH Error ellipse: s-maj=2.3km s-min=1.2km az=-1.0.

ISC	**V**	**24 18 08 40.2–.94**	**41.28N–.05**	**22.78E–.04**	**8–11**		**23**	**0-2**
ISCJB	V	24 18 08 39.1–.94	41.3N–.10	22.82E–.08	10–13			**¶14695549**
SKO	V	24 18 08 39.8	41.32N	22.76E	15	2.3L,2.0		
CSEM	V	24 18 08 39.3–.41	41.33N	22.82E	10	3.1,2.0		
ATH	V	24 18 08 40.0	41.28N	22.76E	19–3	3.1,2.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=7.3km az=156.8.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=5.7km az=2.0.
ATH Error ellipse: s-maj=3.1km s-min=1.4km az=-1.0.

ISC	**V**	**24 18 12 54.0–.63**	**41.28N–.01**	**22.71E–.01**	**8–5**	**3.5b**	**261**	**0-42**
TIR	V	24 18 12 51.4	41.38N	22.82E	0	3.5b		**¶12862104**
IDC	V	24 18 12 52.5–1.2	41.20N	22.72E	0	3.5,3.4		
CSEM	V	24 18 12 53.9–.09	41.28N	22.71E	8	3.6L,3.4		
SOF	V	24 18 12 53.5	41.36N	22.71E	9	3.5,3.4		
ISCJB	V	24 18 12 53.1–.29	41.32N–.01	22.69E–.02	12–2	3.5b,3.4		
SKO	V	24 18 12 53.3	41.30N	22.71E	15	3.3L,2.8		
ATH	V	24 18 12 53.5	41.29N	22.73E	25–0	3.6,2.8		
BEO	V	24 18 12 53.6–.78	41.30N	22.76E	6–2	3.3L,2.8		
THE	V	24 18 12 54.1	41.29N	22.68E	7–0	3.6L,2.8		
PRU	V	24 18 12 56.2	41.42N	22.49E	0	3.6L,2.8		

ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=15.8km az=142.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=162.3.
ATH Error ellipse: s-maj=1.4km s-min=0.8km az=-1.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=182.0.

ISC	**V**	**24 18 31 04.8–1.1**	**41.32N–.06**	**22.71E–.03**	**13–9**		**19**	**0-1**
CSEM	V	24 18 31 04.9–.20	41.31N	22.71E	15	3.1		**¶14695574**
ISCJB	V	24 18 31 05.1–.89	41.30N–.06	22.73E–.05	10–9	3.1		
SKO	V	24 18 31 05.6	41.28N	22.67E	14	1.7L,1.4		
ATH	V	24 18 31 05.2	41.31N	22.71E	3–1	3.1,1.4		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.5km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.0km az=179.3.
ATH Error ellipse: s-maj=0.8km s-min=0.4km az=-1.0.

SKO	**V**	**24 18 34 32.7**	**41.30N**	**22.70E**	**3**	**0.9L,0.7**		
								¶14695584
ISC	**V**	**24 18 50 17.6–.75**	**41.29N–.01**	**22.70E–.01**	**8–4**	**3.8b**	**543**	**0-121**
TIR	V	24 18 50 14.8	41.35N	22.82E	0	3.6L		**¶12862105**
IDC	V	24 18 50 16.7–.72	41.31N	22.67E	0	3.9,3.9		
SKO	V	24 18 50 17.0	41.26N	22.71E	15	3.7L,3.2		
ISCJB	V	24 18 50 17.3–.29	41.32N–.01	22.66E–.01	12–2	3.8b,2.5s		
BEO	V	24 18 50 17.0–.88	41.25N	22.74E	4–3	3.8L,2.5s		
ATH	V	24 18 50 17.5	41.29N	22.72E	22–0	3.6,3.6L		
PDG	V	24 18 50 17.8–1.3	41.30N	22.74E	8–1	3.5L,3.6L		
SOF	V	24 18 50 17.1	41.32N	22.71E	7	3.5,3.6L		
CSEM	V	24 18 50 17.8–.07	41.28N	22.72E	5	3.0s,3.6L		
THE	V	24 18 50 18.2	41.27N	22.73E	2–1	3.9L,3.6L		
VIE	V	24 18 50 20.0–.68	41.47N	22.68E	6	3.4s,3.3b		
PRU	V	24 18 50 21.6	41.43N	22.66E	9	3.4s,3.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=13.4km s-min=12.3km az=9.0.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=143.6.
BEO Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=0.7km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.6km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=67.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=218.0.
VIE Error ellipse: s-maj=9.0km s-min=2.6km az=5.0. 82 km WNW of Serres .

ISC	**V**	**24 18 53 14.7–.83**	**41.26N–.01**	**22.70E–.01**	**6–6**	**3.6b**	**263**	**0-94**
IDC	V	24 18 53 13.7–1.3	41.15N	22.65E	0	3.7,3.5		**¶13679573**
ISCJB	V	24 18 53 13.6–.34	41.26N–.01	22.71E–.02	2–2	3.5b,3.5		
SKO	V	24 18 53 13.5	41.28N	22.71E	15	3.2L,2.8		
SOF	V	24 18 53 13.8	41.28N	22.72E	5	3.3,2.8		
ATH	V	24 18 53 14.1	41.28N	22.72E	19–0	3.7,2.8		
CSEM	V	24 18 53 14.3–.10	41.26N	22.72E	2	3.2L,2.8		
BEO	V	24 18 53 15.0–.97	41.26N	22.69E	5–2	3.2L,2.8		
THE	V	24 18 53 15.0	41.25N	22.71E	2–1	3.3L,2.8		

ISC Event type ke.
IDC Error ellipse: s-maj=22.7km s-min=16.0km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=141.9.
ATH Error ellipse: s-maj=1.3km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=69.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=217.0.

SKO	**V**	**24 19 06 27.8**	**41.36N**	**22.68E**	**15**	**1.1L,0.6**		
								¶14695597
SKO	**V**	**24 19 06 57.2**	**41.42N**	**22.67E**	**24**	**1.7L,1.1**		
								¶14695600
ISC	**V**	**24 19 15 04.2–.85**	**41.29N–.02**	**22.70E–.02**	**7–6**		**99**	**0-5**
SKO	V	24 19 15 03.1	41.35N	22.69E	16	2.6L,2.2		**¶14695604**
ISCJB	V	24 19 15 03.8–.39	41.29N–.02	22.70E–.02	1–4	2.6L,2.2		
BEO	V	24 19 15 03.9–.86	41.22N	22.76E	0–2	2.6L,2.2		
ATH	V	24 19 15 04.3	41.26N	22.72E	21–1	3.4,2.2		
THE	V	24 19 15 04.7	41.28N	22.71E	2–1	2.6L,2.2		
CSEM	V	24 19 15 04.4–.12	41.28N	22.70E	5	2.6L,2.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=152.9.
BEO Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=57.0.

ISC	**V**	**24 19 20 32.3–.87**	**41.30N–.02**	**22.70E–.02**	**8–7**		**49**	**0-2**
SKO	V	24 19 20 31.4	41.34N	22.68E	15	1.9L,1.5		**¶14302416**
THE	V	24 19 20 32.7	41.30N	22.71E	2–2	1.9L,1.5		
ISCJB	V	24 19 20 32.0–.45	41.30N–.02	22.70E–.03	3–5	1.9L,1.5		
CSEM	V	24 19 20 32.5–.20	41.30N	22.71E	2	1.7L,1.5		
ATH	V	24 19 20 33.0	41.27N	22.71E	7–5	3.2,1.5		
BEO	V	24 19 20 33.2–.86	41.32N	22.61E	7–4	1.7L,1.5		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=198.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=151.2.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=25.0.
ATH Error ellipse: s-maj=2.4km s-min=1.1km az=-1.0.
BEO Event type ke.

ISC	**V**	**24 19 37 05.9–.29**	**41.29N–.01**	**22.69E–.01**	**12–1**	**4.8b,4.1s**	**1442**	**0-153**
TIR	V	24 19 36 55.9	41.48N	23.22E	1	4.3L,4.1s		**¶12861941**
BJI	V	24 19 36 57.9	41.02N	21.72E	10	5.0b,4.9s		
ISCJB	V	24 19 37 03.8–.26	41.331N–.01	22.71E–.01	6–1	4.7b,4.1s		
IDC	V	24 19 37 03.9–.43	41.27N	22.71E	0	4.6,4.6		
BEO	V	24 19 37 04.4–.66	41.22N	22.78E	11–2	4.7L,4.6		
MOS	V	24 19 37 04.7–1.1	41.32N	22.63E	19	5.1b,4.1s		
SKO	V	24 19 37 04.6	41.25N	22.69E	15	4.2L,3.8		
ATH	V	24 19 37 04.4	41.31N	22.75E	19–0	4.5L,4.3		
THE	V	24 19 37 05.4	41.28N	22.73E	2–1	4.8L,4.3		
CSEM	V	24 19 37 05.6–.06	41.29N	22.68E	10	4.9b,4.8W		

PDG V 24 19 37 05.1–.55 41.28N 22.70E 13–0 4.3,4.2L
PRU V 24 19 37 05.9 41.28N 22.74E 0 4.9,4.2L
NEIC V 24 19 37 05.5 41.27N 22.73E 2 4.9b,4.8L
GCMT V 24 19 37 06.7–.40 41.16N 22.87E 17–1 4.8W,4.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=39.8.
IDC Error ellipse: s-maj=9.1km s-min=8.6km az=48.0.
BEO Event type ke.
MOS Error ellipse: s-maj=3.4km s-min=2.3km az=106.1.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=192.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=56.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
NEIC Event type fe. Felt [V] at Strumica and Valandovo and [IV] at Gevgelija. Also felt at Bogdanci, Bosilovo, Kriva Palanka, Skopje and Vasilevo. Felt [III] at Plovdiv and Sofia, Bulgaria. Also felt at Bansko, Dospat, Khaskovo, Kyustendil, Melnik, Samokov and Sandanski. Felt at Thessaloniki, Greece. After THE.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s15,c17; s56,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.73±.16 $M_{\theta\theta}$1.79±.10; $M_{\phi\phi}$-0.06±.09; $M_{r\theta}$0.19±.18; $M_{\theta\phi}$-0.31±.05; $M_{\phi r}$-0.90±.29; Best double couple: NP1:ϕ_s78.00000°,δ44.00000°,λ-124.00000°. NP2:ϕ_s301.00000°,δ55.00000°,λ-62.00000°. Principal axes: T 1.8800,Plg6.0000°,Azm12.0000°; N 0.2500,Plg23.0000°,Azm104.0000°; P -2.1200,Plg66.0000°,Azm268.0000° $M_0$2.00000×10^{16}

ISC V 24 19 42 58.4–.85 41.27N–.01 22.71E–.01 6–6 3.2b 401 0-71
IDC V 24 19 42 57.1–1.2 41.20N 22.85E 0 3.6,3.5b **¶12906388**
SKO V 24 19 42 57.5 41.28N 22.72E 15 3.3L,3.0
ATH V 24 19 42 57.5 41.33N 22.71E 21–1 3.7,3.4L
PDG V 24 19 42 58.4–.41 41.29N 22.70E 2–0 3.2L,3.4L
CSEM V 24 19 42 58.4–.08 41.27N 22.72E 2 3.3L,3.4L
BEO V 24 19 42 58.1–.86 41.28N 22.73E 4–3 3.4L,3.4L
SOF V 24 19 42 58.0 41.36N 22.72E 4 3.4,3.4L
THE V 24 19 42 58.5 41.27N 22.73E 2–1 3.7L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=21.6km s-min=17.7km az=135.0.
ATH Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=86.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=191.0.

ISC V 24 20 08 12.9–1.1 41.28N–.04 22.73E–.03 6–17 24 0-2
SKO V 24 20 08 11.8 41.32N 22.71E 15 1.7L,1.3 **¶14695647**
ATH V 24 20 08 13.2 41.27N 22.74E 4–2 2.7,1.3
CSEM V 24 20 08 13.1–.37 41.26N 22.72E 5 2.7,1.3
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=6.0km az=9.0.

ISC V 24 20 32 37.1–1.1 41.33N–.05 22.69E–.03 13–8 29 0-2
SKO V 24 20 32 36.7 41.33N 22.69E 15 2.3L,2.0 **¶14695676**
ATH V 24 20 32 37.3 41.32N 22.69E 3–1 2.9,2.0
CSEM V 24 20 32 37.6–.44 41.28N 22.70E 2 2.9,2.0
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=5.8km az=2.0.

ISC V 24 20 36 54.9–2.3 41.3N–.10 22.7E–.20 16–24 11 0-2
SKO V 24 20 36 54.7 41.35N 22.73E 15 1.9L,1.6 **¶14695684**
SOF V 24 20 36 54.0 41.32N 22.70E 20 2.7,1.6
CSEM V 24 20 36 55.1–.14 41.31N 22.73E 15 1.9L,1.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.2km az=157.0.

ISC V 24 21 13 20.3–.99 41.28N–.05 22.75E–.03 7–10 26 0-2
SKO V 24 21 13 19.4 41.31N 22.73E 15 1.7L,1.5 **¶14695721**
ATH V 24 21 13 20.7 41.28N 22.74E 4 3.0,1.5
CSEM V 24 21 13 20.3–.16 41.28N 22.75E 8 3.0,1.5
ISC Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.1km az=10.0.

ISC V 24 21 22 58.8–.79 41.32N–.02 22.69E–.02 10–5 121 0-4
SKO V 24 21 22 57.9 41.34N 22.71E 15 2.1L,1.8 **¶14302427**
CSEM V 24 21 22 58.7–.12 41.30N 22.70E 5 2.3L,1.8
BEO V 24 21 22 58.5–.93 41.24N 22.68E 6–2 2.3L,1.8
ISCJB V 24 21 22 58.3–.36 41.31N–.02 22.71E–.02 5–3 2.3L,1.8
ATH V 24 21 22 58.4 41.32N 22.70E 19–1 3.1,1.8
SOF V 24 21 22 58.5 41.33N 22.72E 7 2.5,1.8
THE V 24 21 22 59.1 41.30N 22.72E 3–1 2.5L,1.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=50.0.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=42.4.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=182.0.

ISC V 24 21 48 47.6–.86 41.30N–.02 22.73E–.02 8–6 60 0-2
SKO V 24 21 48 47.1 41.29N 22.73E 15 1.8L,1.5 **¶14695752**
ATH V 24 21 48 47.7 41.30N 22.72E 12–1 2.9,1.5
SOF V 24 21 48 47.1 41.31N 22.73E 10 2.5,1.5
CSEM V 24 21 48 47.6–.16 41.29N 22.74E 5 1.6L,1.5
BEO V 24 21 48 49.0–.85 41.33N 22.65E 5–4 1.6L,1.5
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=177.0.
BEO Event type ke.

ISC V 24 22 09 10.3–.99 41.29N–.05 22.75E–.03 7–10 26 0-3
ISCJB V 24 22 09 09.1–.93 41.27N–.09 22.80E–.05 9–9 **¶14695773**
SKO V 24 22 09 09.5 41.32N 22.73E 15 2.0L,1.7
CSEM V 24 22 09 09.6–.39 41.31N 22.77E 8 3.1,1.7
ATH V 24 22 09 10.0 41.28N 22.75E 20–3 3.1,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=6.2km az=166.9.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=5.8km az=179.0.
ATH Error ellipse: s-maj=2.7km s-min=1.0km az=-1.0.

ISC V 24 22 20 09.7–.76 41.30N–.01 22.70E–.01 8–5 3.6b,3.0s 462 0-71
TIR V 24 22 20 05.7 41.39N 22.87E 0 3.3L,3.0s **¶14695784**
IDC V 24 22 20 08.8–1.1 41.30N 22.66E 0 3.6,3.6
ISCJB V 24 22 20 08.8–.28 41.31N–.01 22.69E–.01 7–2 3.5b,3.0s
SOF V 24 22 20 08.8 41.32N 22.71E 8 3.5,3.0s
BEO V 24 22 20 09.9–.56 41.28N 22.67E 7–2 3.4L,3.0s
CSEM V 24 22 20 09.6–.08 41.28N 22.70E 2 3.4L,3.0s
PDG V 24 22 20 09.6–.59 41.30N 22.70E 6–0 3.2L,3.0s
THE V 24 22 20 09.9 41.27N 22.72E 1–1 3.6L,3.0s
SKO V 24 22 20 09.1 41.24N 22.70E 15 3.5L,3.0
ATH V 24 22 20 09.2 41.29N 22.70E 22–0 3.7,3.3L
PRU V 24 22 20 13.4 41.43N 22.66E 7 3.7,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=18.1km s-min=14.3km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=43.7.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=46.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=244.0.
ATH Error ellipse: s-maj=1.2km s-min=0.7km az=-1.0.

SOF V 24 22 24 39.9 41.28N 22.78E 2 2.6
SKO V 24 22 24 39.1 41.37N 22.72E 15 2.0L,1.5 **¶14695793**
CSEM V 24 22 24 40.5–.84 41.27N 22.75E 2 2.0L,1.5
CSEM Event type ke. Error ellipse: s-maj=22.6km s-min=9.2km az=1.0.

SKO V 24 22 31 25.6 41.31N 22.71E 0 0.6L,0.2
¶14695802

ISC V 24 22 46 54.0–.88 41.27N–.01 22.69E–.01 5–6 3.8b 380 0-42
TIR V 24 22 46 51.0 41.39N 22.77E 0 3.3L **¶12862109**
IDC V 24 22 46 52.9–1.2 41.22N 22.80E 0 3.6b,3.6
SKO V 24 22 46 52.8 41.28N 22.69E 15 3.5L,3.0
BEO V 24 22 46 53.9–.69 41.28N 22.69E 4–2 3.4L,3.0
CSEM V 24 22 46 53.8–.08 41.27N 22.71E 2 3.7L,3.0
PDG V 24 22 46 54.0–.77 41.28N 22.74E 4–1 3.2L,3.0
THE V 24 22 46 53.9 41.28N 22.68E 2–1 3.7L,3.0
ATH V 24 22 46 53.2 41.29N 22.68E 23–1 3.9,3.2L
ISCJB V 24 22 46 53.2–.34 41.27N–.01 22.71E–.01 4–2 3.7b,2.4s
SOF V 24 22 46 53.1 41.30N 22.69E 11 3.5,2.4s
PRU V 24 22 46 54.9 41.35N 22.54E 0 3.5,2.4s
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=15.1km az=140.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=65.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=192.0.
ATH Error ellipse: s-maj=1.6km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=26.9.

ISC V 24 22 53 45.0–.82 41.29N–.01 22.72E–.01 9–5 155 0-5
SOF V 24 22 53 43.8 41.27N 22.74E 12 2.9 **¶14302430**
SKO V 24 22 53 44.1 41.29N 22.73E 15 2.8L,2.4
ATH V 24 22 53 44.1 41.32N 22.73E 24–1 3.5,2.4
CSEM V 24 22 53 44.6–.09 41.28N 22.71E 5 2.7L,2.4
THE V 24 22 53 44.9 41.28N 22.73E 0–2 3.0L,2.4
ISCJB V 24 22 53 44.1–.33 41.31N–.02 22.72E–.02 7–3 3.0L,2.4
BEO V 24 22 53 45.7–.59 41.31N 22.65E 7–2 2.7L,2.4
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=64.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=344.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=150.1.
BEO Event type ke.

ISC V 24 22 57 22.2–.92 41.27N–.03 22.74E–.02 9–7 40 0-2
ISCJB V 24 22 57 21.7–.63 41.25N–.04 22.74E–.04 1–8 **¶14695824**
SKO V 24 22 57 21.7 41.29N 22.73E 15 1.8L,1.4
SOF V 24 22 57 21.1 41.25N 22.75E 14 2.6,1.4
ATH V 24 22 57 22.3 41.31N 22.73E 6–1 3.4,1.4
CSEM V 24 22 57 22.4–.17 41.29N 22.76E 2 1.7L,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.6km az=172.0.
ATH Error ellipse: s-maj=1.0km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=176.0.

ISC V 24 23 00 54.0–.90 41.27N–.03 22.71E–.03 8–7 39 0-3
SKO V 24 23 00 52.6 41.36N 22.70E 19 2.0L,1.7 **¶14695827**
ISCJB V 24 23 00 53.1–1.0 41.26N–.04 22.76E–.04 3–9 2.0L,1.7
ATH V 24 23 00 54.5 41.27N 22.70E 17–3 3.1,1.7
BEO V 24 23 00 54.1–.71 41.26N 22.69E 1–3 1.9L,1.7
CSEM V 24 23 00 54.0–.22 41.27N 22.74E 5 1.9L,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.3km az=157.5.
ATH Error ellipse: s-maj=2.1km s-min=1.0km az=-1.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.8km az=61.0.

ISC V 24 23 48 29.9–1.5 41.42N–.09 22.65E–.09 19–4 36 0-3
SKO V 24 23 48 29.6 41.40N 22.69E 21 2.1L,1.7 **¶14695871**
ATH V 24 23 48 31.6 41.31N 22.69E 19–1 3.0,1.7
CSEM V 24 23 48 31.5–.52 41.26N 22.74E 5 3.0,1.7
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=8.4km az=175.0.

SKO V 24 23 53 04.9 41.29N 22.67E 0 0.4L
¶14695873

ISC V 24 23 56 46.9–.86 41.27N–.01 22.73E–.01 6–6 212 0-34
TIR V 24 23 56 43.0 41.38N 22.82E 0 **¶12862112**
ISCJB V 24 23 56 46.6–.35 41.26N–.01 22.68E–.02 2–3 3.6b
IDC V 24 23 56 46.2–1.6 41.25N 22.67E 0 3.5b,3.4
SKO V 24 23 56 46.3 41.26N 22.71E 15 2.8L,2.4
BEO V 24 23 56 46.6–.81 41.22N 22.68E 5–2 3.0L,2.4
SOF V 24 23 56 46.4 41.26N 22.71E 8 3.2,2.4
ATH V 24 23 56 47.7 41.22N 22.76E 22–0 3.5,2.4
CSEM V 24 23 56 47.1–.09 41.27N 22.71E 5 3.3L,2.4
THE V 24 23 56 47.3 41.26N 22.70E 1–1 3.3L,2.4
PRU V 24 23 56 51.0 41.38N 22.76E 0 3.3L,2.4
DDA V 24 23 57 25.9 40.17N 26.16E 7 3.4,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=37.2.
IDC Error ellipse: s-maj=23.4km s-min=16.7km az=135.0.
BEO Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=41.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=258.0.
DDA Event type ke.

ISC V 25 00 03 26.9–.85 41.30N–.02 22.67E–.02 9–5 80 0-2
SOF V 25 00 03 25.7 41.26N 22.68E 11 2.6 **¶14302450**
SKO V 25 00 03 25.5 41.30N 22.67E 15 1.9L,1.4
ISCJB V 25 00 03 26.2–.47 41.30N–.03 22.70E–.03 9–3 1.9L,1.4
THE V 25 00 03 26.9 41.28N 22.69E 2–2 2.2L,1.4
CSEM V 25 00 03 26.3–.15 41.31N 22.68E 8 2.2L,1.4
ATH V 25 00 03 26.4 41.31N 22.70E 18–1 3.0,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=169.4.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=354.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=179.0.
ATH Error ellipse: s-maj=1.3km s-min=0.6km az=-1.0.

ISC V 25 00 07 55.7–1.2 41.29N–.05 22.73E–.03 3–15 20 0-1
SKO V 25 00 07 54.2 41.28N 22.70E 15 1.4L,1.0 **¶14695920**
ATH V 25 00 07 55.7 41.30N 22.71E 5 2.9,1.0
CSEM V 25 00 07 55.4–.11 41.29N 22.74E 5 2.9,1.0
ISC Event type ke.
ATH Error ellipse: s-maj=2.7km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=1.0.

ISC V 25 00 09 41.2–1.0 41.33N–.04 22.70E–.02 7–8 53 0-5
SKO V 25 00 09 39.2 41.36N 22.71E 15 1.9L,1.7 **¶14302451**
ISCJB V 25 00 09 40.8–.79 41.34N–.05 22.72E–.03 2–6 1.9L,1.7
CSEM V 25 00 09 40.9–.30 41.35N 22.71E 2 2.0L,1.7
THE V 25 00 09 41.6 41.31N 22.72E 2–3 2.0L,1.7
ATH V 25 00 09 41.0 41.34N 22.71E 4–0 3.1,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.0km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.0km az=171.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.3km az=283.0.
ATH Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.

ISC V 25 00 23 10.3–.92 41.31N–.03 22.74E–.02 14–5 55 0-3
ISCJB V 25 00 23 10.7–.54 41.26N–.04 22.73E–.03 5–4 **¶14302453**
THE V 25 00 23 10.9 41.29N 22.73E 2–4 1.9L
SKO V 25 00 23 10.3 41.18N 22.73E 15 1.5L,1.3
ATH V 25 00 23 10.5 41.30N 22.73E 8–1 3.0,1.3
CSEM V 25 00 23 11.0–.20 41.25N 22.72E 5 1.9L,1.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.7km az=9.4.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=0.9km az=343.0.
ATH Error ellipse: s-maj=0.9km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=178.0.

ISC V 25 01 02 40.2–.98 41.27N–.02 22.70E–.02 4–9 67 0-6
SKO V 25 01 02 38.8 41.28N 22.69E 15 2.4L,2.1 **¶14302456**
ISCJB V 25 01 02 39.9–.58 41.22N–.02 22.68E–.03 2–5 2.4L,2.1
ATH V 25 01 02 40.3 41.26N 22.72E 18–1 2.4L,2.1
CSEM V 25 01 02 40.4–.21 41.24N 22.70E 8 2.5L,2.1
THE V 25 01 02 41.1 41.25N 22.73E 3–1 2.5L,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=42.8.
ATH Error ellipse: s-maj=1.9km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=60.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=159.0.

ISC V 25 01 07 25.5–.86 41.29N–.03 22.66E–.02 12–6 63 0-3

ISCJB V 25 01 07 25.6–.51 41.26N–.03 22.67E–.04 12–4 ¶16375153
SKO V 25 01 07 25.8 41.18N 22.68E 15 2.5L,2.1
ATH V 25 01 07 25.5 41.28N 22.67E 21–1 2.9,2.1
THE V 25 01 07 26.4 41.28N 22.72E 5–2 2.0L,2.1
CSEM V 25 01 07 26.0–.31 41.23N 22.67E 15 2.0L,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=143.3.
ATH Error ellipse: s-maj=1.9km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=169.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.0km az=153.0.
ISC V 25 01 24 12.4–1.0 41.32N–.05 22.70E–.03 13–7 34 0-3
SKO V 25 01 24 11.5 41.30N 22.69E 15 1.4L,1.2 ¶14695941
ATH V 25 01 24 12.9 41.30N 22.70E 5–2 2.9,1.2
CSEM V 25 01 24 13.0–.47 41.27N 22.71E 1–1 2.9,1.2
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=7.2km az=8.0.
ISC V 25 01 26 53.2–.88 41.27N–.02 22.73E–.02 9–7 59 0-3
ISCJB V 25 01 26 52.8–.53 41.26N–.03 22.74E–.03 10–4 ¶14302458
SKO V 25 01 26 52.2 41.21N 22.72E 15 1.7L,1.2
CSEM V 25 01 26 52.8–.30 41.26N 22.75E 12 1.9L,1.2
THE V 25 01 26 53.8 41.24N 22.77E 12–1 1.9L,1.2
ATH V 25 01 26 53.2 41.25N 22.75E 18–1 2.9,1.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.3km az=171.1.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.1km az=178.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=163.0.
ATH Error ellipse: s-maj=1.4km s-min=0.6km az=-1.0.
ISC V 25 01 45 58.0–1.1 41.33N–.06 22.77E–.04 12–8 26 0-2
SKO V 25 01 45 56.9 41.37N 22.71E 21 0.7L,0.2 ¶14695945
ISCJB V 25 01 45 57.9–1.1 41.24N–.09 22.76E–.05 5–12 0.7L,0.2
CSEM V 25 01 45 58.0–.47 41.33N 22.75E 10 2.8,0.2
ATH V 25 01 45 59.0 41.28N 22.73E 17–2 2.8,0.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=6.0km az=169.9.
CSEM Event type ke. Error ellipse: s-maj=12.4km s-min=6.5km az=1.0.
ATH Error ellipse: s-maj=1.2km s-min=0.5km az=-1.0.
ISC V 25 02 04 46.3–.92 41.31N–.04 22.72E–.02 14–6 41 0-2
ISCJB V 25 02 04 46.2–.73 41.32N–.06 22.73E–.04 16–6 ¶14302460
SKO V 25 02 04 46.1 41.33N 22.70E 15 1.6L,1.4
ATH V 25 02 04 46.5 41.28N 22.73E 18–1 2.9,1.4
CSEM V 25 02 04 46.3–.28 41.31N 22.72E 15 2.0L,1.4
THE V 25 02 04 47.0 41.25N 22.70E 16–2 2.0L,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.1km az=171.0.
ATH Error ellipse: s-maj=0.9km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.7km az=176.0.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=1.6km az=161.0.
ISC V 25 02 23 15.8–1.0 41.34N–.06 22.74E–.04 13–7 28 0-2
ISCJB V 25 02 23 15.8–.85 41.30N–.08 22.75E–.06 11–7 ¶14695958
SKO V 25 02 23 15.9 41.33N 22.69E 15 1.5L,1.1
CSEM V 25 02 23 15.9–.46 41.33N 22.75E 9–1 2.8,1.1
ATH V 25 02 23 17.1 41.26N 22.72E 17–1 2.8,1.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.6km az=166.7.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=6.2km az=3.0.
ATH Error ellipse: s-maj=1.3km s-min=0.6km az=-1.0.
ISC V 25 02 24 47.6–.93 41.28N–.04 22.69E–.03 10–8 30 0-2
ISCJB V 25 02 24 47.8–.74 41.26N–.06 22.69E–.04 4–8 ¶14695959
SKO V 25 02 24 47.0 41.33N 22.67E 15 1.7L,1.4
CSEM V 25 02 24 47.7–.29 41.30N 22.72E 5 2.9,1.4
ATH V 25 02 24 48.2 41.27N 22.70E 11–1 2.9,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.2km az=3.8.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=3.8km az=11.0.
ATH Error ellipse: s-maj=0.7km s-min=0.3km az=-1.0.
ISC V 25 02 56 08.2–.83 41.29N–.02 22.68E–.02 7–6 113 0-3
ISCJB V 25 02 56 07.4–.37 41.29N–.02 22.69E–.02 2–3 ¶14302461
SKO V 25 02 56 07.1 41.29N 22.69E 15 2.2L,1.8
SOF V 25 02 56 07.8 41.30N 22.71E 4 2.7,1.8
CSEM V 25 02 56 07.9–.10 41.28N 22.68E 2 2.2L,1.8
THE V 25 02 56 08.2 41.27N 22.70E 5–1 2.5L,1.8
BEO V 25 02 56 08.9–.71 41.29N 22.66E 5–2 2.2L,1.8
ATH V 25 02 56 08.1 41.28N 22.70E 13–1 3.0,1.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=43.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=221.0.
BEO Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.
ISC V 25 04 06 46.7–.86 41.29N–.03 22.68E–.02 10–6 55 0-3
ISCJB V 25 04 06 46.5–.55 41.27N–.04 22.69E–.04 13–4 ¶14302462
SKO V 25 04 06 46.1 41.30N 22.69E 15 2.1L,1.8
ATH V 25 04 06 46.6 41.26N 22.67E 24–1 3.0,1.8
CSEM V 25 04 06 46.7–.24 41.28N 22.70E 12 1.9L,1.8
THE V 25 04 06 48.0 41.25N 22.76E 9–2 1.9L,1.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.3km az=165.7.
ATH Error ellipse: s-maj=1.5km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=170.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.6km az=157.0.
ISC V 25 04 10 00.9–1.1 41.35N–.05 22.71E–.03 10–7 31 0-3
CSEM V 25 04 10 00.6–1.4 41.37N 22.69E 1–8 2.9 ¶14695988
ISCJB V 25 04 10 01.8–.87 41.32N–.08 22.73E–.06 13–7 2.9
SKO V 25 04 10 01.6 41.32N 22.70E 15 1.5L,1.1
ATH V 25 04 10 02.3 41.29N 22.73E 17–0 2.9,1.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=22.5km s-min=10.2km az=170.0.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=6.3km az=163.2.
ATH Error ellipse: s-maj=0.7km s-min=0.3km az=-1.0.
ISC V 25 04 28 33.7–.93 41.32N–.05 22.74E–.02 12–7 42 0-3
ISCJB V 25 04 28 34.4–.62 41.26N–.04 22.72E–.03 4–6 ¶14302463
THE V 25 04 28 34.7 41.28N 22.72E 2–31 2.2L
SKO V 25 04 28 34.2 41.29N 22.71E 10 1.5L,1.2
ATH V 25 04 28 34.8 41.26N 22.73E 9–1 3.0,1.2
CSEM V 25 04 28 34.7–.25 41.26N 22.72E 2 2.2L,1.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.4km az=1.9.
THE Event type ke. Error ellipse: s-maj=31.5km s-min=1.0km az=349.0.
ATH Error ellipse: s-maj=0.8km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.0km az=10.0.
SKO V 25 04 34 50.5 41.30N 22.69E 1 0.5L,0.2
¶14695996
ISC V 25 04 50 03.2–.76 41.29N–.02 22.70E–.01 8–5 3.6b 339 0-94
TIR V 25 04 49 58.6 41.46N 22.93E 0 3.5L ¶12906389
IDC V 25 04 50 01.3–1.5 41.10N 22.83E 0 3.7,3.6L
SKO V 25 04 50 02.7 41.24N 22.70E 15 3.6L,3.2
ISCJB V 25 04 50 02.5–.31 41.29N–.01 22.78E–.02 8–2 3.5b,3.2
SOF V 25 04 50 02.8 41.35N 22.67E 10 3.6,3.2
ATH V 25 04 50 02.3 41.34N 22.68E 20–1 3.5L,3.3
CSEM V 25 04 50 03.2–.08 41.29N 22.72E 2 3.6L,3.3
PDG V 25 04 50 03.2–.64 41.29N 22.73E 8–0 3.4L,3.3
THE V 25 04 50 03.8 41.26N 22.69E 4–1 3.8L,3.3
BEO V 25 04 50 03.6–.56 41.30N 22.69E 6–2 3.6L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=14.4km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=31.5.
ATH Error ellipse: s-maj=2.0km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=53.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=212.0.

BEO Event type ke.
SKO V 25 04 55 11.9 41.40N 22.67E 23 0.6L
¶14696008
ISC V 25 05 55 45.4–.90 41.29N–.02 22.72E–.02 7–8 64 0-3
THE V 25 05 55 45.6 41.26N 22.73E 3–5 2.3L ¶14302465
ATH V 25 05 55 45.0 41.30N 22.73E 7–0 3.1
CSEM V 25 05 55 45.2–.21 41.28N 22.74E 2 1.9L
BEO V 25 05 55 46.2–.60 41.31N 22.67E 4–3 1.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=1.1km az=193.0.
ATH Error ellipse: s-maj=0.7km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=71.0.
BEO Event type ke.
SKO V 25 05 57 11.7 41.36N 22.73E 15 0.6L,0.3
¶14696017
ISC V 25 06 37 35.1–.86 41.25N–.02 22.69E–.03 11–6 44 0-2
ISCJB V 25 06 37 34.7–.65 41.26N–.03 22.73E–.04 10–6 ¶14696031
SKO V 25 06 37 34.4 41.32N 22.72E 15 1.9L,1.6
ATH V 25 06 37 35.1 41.26N 22.72E 18–1 3.0,1.6
BEO V 25 06 37 35.7–1.1 41.23N 22.63E 3–3 2.0L,1.6
CSEM V 25 06 37 35.0–.22 41.23N 22.73E 8 2.0L,1.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.5km az=141.8.
ATH Error ellipse: s-maj=1.4km s-min=0.6km az=-1.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=70.0.
ISC V 25 07 44 59.6–.91 41.28N–.03 22.70E–.02 9–7 70 0-3
ISCJB V 25 07 44 59.3–.47 41.27N–.03 22.72E–.03 11–4 ¶14302466
THE V 25 07 44 59.5 41.31N 22.68E 1–7 2.7L
SKO V 25 07 44 59.2 41.29N 22.72E 15 2.5L,2.2
ATH V 25 07 44 59.5 41.26N 22.72E 19–1 3.3,2.2
CSEM V 25 07 44 59.8–.27 41.25N 22.75E 15 2.3L,2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=168.0.
THE Event type ke. Error ellipse: s-maj=7.2km s-min=1.5km az=140.0.
ATH Error ellipse: s-maj=1.5km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=3.0.
ISC V 25 07 59 41.0–.83 41.29N–.02 22.67E–.01 5–5 3.5b 328 0-71
IDC V 25 07 59 39.8–1.1 41.24N 22.46E 0 3.8,3.7 ¶12906390
SKO V 25 07 59 39.2 41.28N 22.66E 15 3.7L,2.9
CSEM V 25 07 59 40.9–.09 41.28N 22.67E 2 3.7L,2.9
PDG V 25 07 59 41.1–.86 41.28N 22.66E 11–1 3.4L,2.9
THE V 25 07 59 41.3 41.27N 22.68E 1–2 4.0L,2.9
BEO V 25 07 59 41.9–.31 41.35N 22.63E 2–2 3.7L,2.9
TIR V 25 07 59 43.8 41.43N 22.61E 6 3.5L,2.9
ATH V 25 08 00 00.8 39.86N 22.62E 25–2 3.5,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=12.8km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=63.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=318.0.
BEO Event type ke.
ATH Error ellipse: s-maj=12.4km s-min=2.7km az=-1.0.
ISC V 25 08 01 17.8–.80 41.27N–.02 22.63E–.02 8–5 3.6b 66 0-42
IDC V 25 08 01 16.7–3.6 41.46N 22.39E 0 3.7,3.7 ¶13679610
CSEM V 25 08 01 17.3–.21 41.21N 22.62E 2 3.3L,3.7
SKO V 25 08 01 17.5 41.25N 22.62E 15 3.4L,2.3
SOF V 25 08 01 17.4 41.28N 22.68E 0 3.4,2.3
BEO V 25 08 01 19.3–.53 41.32N 22.62E 2–3 3.3L,2.3
ATH V 25 08 01 20.2 41.15N 22.64E 33–3 3.1,2.3
ISC Event type ke.
IDC Error ellipse: s-maj=359.1km s-min=28.5km az=137.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=96.0.
BEO Event type ke.
ATH Error ellipse: s-maj=3.5km s-min=1.5km az=-1.0.
ISC V 25 08 40 27.2–.87 41.24N–.02 22.67E–.03 9–7 44 0-2
ISCJB V 25 08 40 26.4–.63 41.28N–.04 22.71E–.05 10–7 ¶14696063
SKO V 25 08 40 27.8 41.28N 22.67E 4 2.0L,1.8
ATH V 25 08 40 27.8 41.20N 22.69E 25–1 3.0,1.8
CSEM V 25 08 40 27.1–.22 41.24N 22.72E 10 1.8L,1.8
BEO V 25 08 40 29.4–.57 41.34N 22.62E 1–4 1.8L,1.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.8km az=139.1.
ATH Error ellipse: s-maj=2.0km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.3km az=89.0.
BEO Event type ke.
ISC V 25 09 31 18.5–.87 41.27N–.02 22.73E–.01 7–6 173 0-6
SKO V 25 09 31 16.4 41.34N 22.74E 21 3.0L,2.7 ¶14302468
BEO V 25 09 31 16.0–.67 41.12N 22.71E 0–2 3.2L,2.7
CSEM V 25 09 31 17.9–.10 41.26N 22.72E 2 3.0L,2.7
ATH V 25 09 31 17.5 41.28N 22.75E 19–1 3.3,2.7
ISCJB V 25 09 31 17.2–.36 41.26N–.02 22.74E–.02 3–3 3.3,2.7
SOF V 25 09 31 17.6 41.29N 22.76E 8 3.2,2.7
THE V 25 09 31 18.3 41.26N 22.77E 2–1 3.3L,2.7
ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=103.0.
ATH Error ellipse: s-maj=1.3km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=159.4.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=159.0.
ISC V 25 09 46 17.0–.91 41.29N–.03 22.72E–.03 8–7 39 0-2
ISCJB V 25 09 46 16.1–.90 41.24N–.03 22.76E–.05 7–6 ¶14696081
SKO V 25 09 46 16.7 41.32N 22.71E 11 2.0L
ATH V 25 09 46 16.9 41.29N 22.71E 15–1 2.8
CSEM V 25 09 46 16.8–.19 41.24N 22.75E 12 2.0L
BEO V 25 09 46 17.8–1.2 41.32N 22.69E 3–8 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=170.3.
ATH Error ellipse: s-maj=2.0km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=69.0.
BEO Event type ke.
ISC V 25 10 38 38.0–.91 41.27N–.02 22.65E–.01 4–7 140 0-8
TIR V 25 10 38 37.2 41.22N 22.61E 6 ¶12952813
THE V 25 10 38 37.9 41.28N 22.66E 2–1 3.0L
SKO V 25 10 38 37.1 41.28N 22.67E 15 2.8L,2.3
ATH V 25 10 38 37.4 41.26N 22.68E 21–1 3.1,2.3
SOF V 25 10 38 37.0 41.28N 22.68E 9 3.0,2.3
CSEM V 25 10 38 37.4–.09 41.26N 22.64E 2 2.8L,2.3
BEO V 25 10 38 38.1–.71 41.26N 22.58E 3–2 2.8L,2.3
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=338.0.
ATH Error ellipse: s-maj=1.2km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=148.0.
BEO Event type ke.
ISC V 25 12 55 29.0–.94 41.27N–.02 22.72E–.02 6–8 89 0-3
TIR V 25 12 55 26.9 41.33N 22.71E 80 ¶12952814
ISCJB V 25 12 55 27.6–.64 41.23N–.02 22.75E–.03 0–5
SOF V 25 12 55 28.3 41.27N 22.71E 9 2.8
CSEM V 25 12 55 28.8–.15 41.25N 22.71E 2 2.5L
SKO V 25 12 55 28.6 41.24N 22.72E 15 2.3L,2.0
ATH V 25 12 55 28.6 41.27N 22.71E 20–1 2.9,2.0
BEO V 25 12 55 29.9–.59 41.29N 22.66E 3–2 2.5L,2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=176.8.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=80.0.
ATH Error ellipse: s-maj=1.3km s-min=0.8km az=-1.0.
BEO Event type ke.
ISC V 25 14 05 40.8–1.1 41.32N–.03 22.73E–.03 3–13 28 0-2
ATH V 25 14 05 40.3 41.34N 22.72E 4 2.6 ¶14696156
SKO V 25 14 05 40.7 41.31N 22.70E 7 1.6L,1.2
CSEM V 25 14 05 40.6–.14 41.30N 22.75E 5 1.5L,1.2

BEO V 25 14 05 41.9–.73 41.36N 22.47E 0 1.5L,1.2
ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=56.0.
BEO Event type ke.
VIE V 25 14 08 47.5–.64 45.25N 14.76E 6–20 1.9L
¶14370603
VIE Error ellipse: s-maj=4.3km s-min=2.0km az=0.0. 30 km ESE of Rijeka .
SKO V 25 15 09 18.9 41.32N 22.74E 2 0.6L,0.4
¶14696171
ISC V 25 15 31 38.0–.94 41.28N–.02 22.73E–.02 5–8 67 0-2
SKO V 25 15 31 36.8 41.31N 22.73E 15 1.6L,1.3 **¶14302472**
THE V 25 15 31 37.9 41.28N 22.74E 1–2 2.4L,1.3
ISCJB V 25 15 31 37.7–.44 41.26N–.02 22.75E–.03 7–3 2.4L,1.3
ATH V 25 15 31 37.7 41.25N 22.74E 17–1 2.8,1.3
CSEM V 25 15 31 38.1–.19 41.25N 22.73E 2 1.8L,1.3
BEO V 25 15 31 39.5–.70 41.31N 22.69E 0 1.8L,1.3
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=199.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=163.2.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=75.0.
BEO Event type ke.
ISC V 25 15 41 09.1–.85 41.25N–.03 22.67E–.03 11–6 32 0-2
SKO V 25 15 41 08.8 41.32N 22.67E 15 2.0L,1.6 **¶14696176**
ATH V 25 15 41 09.7 41.30N 22.69E 4 2.7,1.6
CSEM V 25 15 41 10.5–.23 41.25N 22.72E 2 2.7,1.6
BEO V 25 15 41 12.2–1.2 41.29N 22.59E 0 2.7,1.6
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=59.0.
BEO Event type ke.
SKO V 25 15 46 40.9 41.32N 22.70E 15 1.3L,0.9
¶14696177
ISC V 25 15 59 30.6–1.0 41.29N–.02 22.70E–.02 3–10 53 0-2
SKO V 25 15 59 27.4 41.41N 22.68E 24 1.7L,1.4 **¶14302473**
THE V 25 15 59 30.5 41.27N 22.70E 2–2 2.1L,1.4
CSEM V 25 15 59 30.7–.16 41.26N 22.70E 2 1.7L,1.4
ATH V 25 15 59 31.0 41.26N 22.74E 4 2.7,1.4
BEO V 25 15 59 32.0–1.3 41.29N 22.63E 0 1.7L,1.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=205.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=42.0.
ATH Error ellipse: s-maj=3.8km s-min=1.9km az=-1.0.
BEO Event type ke.
ISC V 25 16 04 21.0–1.1 41.30N–.06 22.67E–.03 11–8 20 0-1
SKO V 25 16 04 18.5 41.41N 22.66E 24 2.1L,1.6 **¶14696183**
ISCJB V 25 16 04 20.9–1.0 41.24N–.09 22.68E–.05 6–14 2.1L,1.6
CSEM V 25 16 04 20.8–.11 41.29N 22.69E 12 2.6,1.6
ATH V 25 16 04 21.2 41.28N 22.68E 11–9 2.6,1.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=5.9km az=167.1.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=175.0.
ATH Error ellipse: s-maj=1.8km s-min=0.6km az=-1.0.
ISC V 25 16 20 48.5–.84 41.27N–.02 22.68E–.02 8–6 72 0-2
SKO V 25 16 20 47.8 41.33N 22.69E 15 1.9L,1.5 **¶14302474**
ATH V 25 16 20 48.9 41.26N 22.71E 14–1 2.8,1.5
SOF V 25 16 20 48.0 41.29N 22.69E 11 2.5,1.5
CSEM V 25 16 20 48.8–.18 41.27N 22.71E 1–1 1.8L,1.5
THE V 25 16 20 49.0 41.27N 22.70E 3–2 2.2L,1.5
BEO V 25 16 20 49.7–1.3 41.25N 22.64E 0 1.8L,1.5
ISC Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=70.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=201.0.
BEO Event type ke.
ISC V 25 17 11 25.4–.88 41.31N–.02 22.72E–.03 10–6 44 0-2
SOF V 25 17 11 24.9 41.31N 22.71E 13 3.8 **¶14696197**
ISCJB V 25 17 11 25.2–.59 41.29N–.03 22.72E–.04 3–5 3.8
SKO V 25 17 11 25.3 41.18N 22.71E 15 1.9L,1.6
ATH V 25 17 11 25.0 41.35N 22.70E 6 2.8,1.6
CSEM V 25 17 11 25.7–.21 41.28N 22.74E 8 1.8L,1.6
BEO V 25 17 11 27.6–.49 41.38N 22.61E 0–5 1.8L,1.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.3km az=7.7.
ATH Error ellipse: s-maj=1.6km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.2km az=102.0.
BEO Event type ke.
ISC V 25 19 46 34.5–.83 41.28N–.03 22.64E–.03 15–5 42 0-2
SKO V 25 19 46 34.0 41.28N 22.68E 15 1.9L,1.5 **¶14696224**
ATH V 25 19 46 34.6 41.25N 22.69E 24–1 3.0,1.5
CSEM V 25 19 46 34.6–.21 41.23N 22.73E 8 1.7L,1.5
BEO V 25 19 46 36.0–1.1 41.27N 22.65E 2–2 1.7L,1.5
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=79.0.
BEO Event type ke.
ISC V 25 20 31 11.1–1.1 41.33N–.06 22.69E–.03 19–3 26 0-2
ISCJB V 25 20 31 11.8–.75 41.28N–.06 22.71E–.04 9–7 **¶14696244**
SKO V 25 20 31 11.5 41.31N 22.73E 15 1.8L,1.5
ATH V 25 20 31 11.1 41.34N 22.69E 14–4 2.8,1.5
CSEM V 25 20 31 11.1–.37 41.35N 22.68E 20–0 2.8,1.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.5km az=174.6.
ATH Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=4.7km az=178.0.
ISC V 25 21 45 36.4–1.1 41.30N–.05 22.70E–.03 10–10 22 0-1
SKO V 25 21 45 35.9 41.32N 22.68E 15 1.7L,1.3 **¶14696275**
ISCJB V 25 21 45 36.4–.89 41.28N–.05 22.71E–.04 6–12 1.7L,1.3
CSEM V 25 21 45 36.6–.09 41.28N 22.69E 10 2.7,1.3
ATH V 25 21 45 37.0 41.28N 22.70E 4 2.7,1.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.3km az=7.5.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.3km az=7.0.
ATH Error ellipse: s-maj=1.2km s-min=0.7km az=-1.0.
ISC V 25 21 56 36.8–1.2 41.30N–.06 22.75E–.03 12–9 22 0-2
SKO V 25 21 56 36.0 41.32N 22.73E 18 1.6L,1.4 **¶14696280**
ISCJB V 25 21 56 36.6–.98 41.3N–.10 22.75E–.06 14–8 1.6L,1.4
CSEM V 25 21 56 36.4–.36 41.31N 22.77E 12 2.9,1.4
ATH V 25 21 56 36.9 41.29N 22.72E 18–2 2.9,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=7.7km az=175.3.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=5.5km az=6.0.
ATH Error ellipse: s-maj=1.7km s-min=0.8km az=-1.0.
ISC V 25 23 03 53.6–1.0 41.30N–.02 22.70E–.03 14–7 34 0-2
ISCJB V 25 23 03 53.2–.62 41.29N–.03 22.72E–.05 5–7 **¶14696293**
SKO V 25 23 03 53.1 41.31N 22.73E 15 1.5L,1.2
ATH V 25 23 03 53.0 41.34N 22.70E 8 2.8,1.2
CSEM V 25 23 03 53.5–.20 41.28N 22.75E 5 1.6L,1.2
BEO V 25 23 03 55.3–.81 41.31N 22.69E 0–3 1.6L,1.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.8km az=39.8.
ATH Error ellipse: s-maj=2.0km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=69.0.
BEO Event type ke.
SKO V 26 01 29 54.7 41.31N 22.71E 1 0.2L,0.1
¶14696369
ISC V 26 02 36 56.4–.86 41.29N–.02 22.73E–.02 7–6 75 0-2
SKO V 26 02 36 54.8 41.29N 22.74E 15 1.9L,1.6 **¶14302504**
ATH V 26 02 36 55.6 41.30N 22.71E 18–3 2.9,1.6
THE V 26 02 36 56.3 41.28N 22.74E 1–1 2.1L,1.6
ISCJB V 26 02 36 56.1–.44 41.28N–.02 22.74E–.03 5–4 2.1L,1.6
CSEM V 26 02 36 56.2–.15 41.28N 22.73E 2 1.7L,1.6
BEO V 26 02 36 57.8–.88 41.32N 22.68E 1–3 1.7L,1.6
ISC Event type ke.
ATH Error ellipse: s-maj=2.3km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=349.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=27.5.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=48.0.
BEO Event type ke.
ISC V 26 04 59 41.7–.84 41.29N–.03 22.65E–.04 16–5 35 0-3
SKO V 26 04 59 41.7 41.29N 22.69E 15 1.8L,1.5 **¶14696401**
ATH V 26 04 59 43.8 41.25N 22.71E 3–2 3.0,1.5
CSEM V 26 04 59 43.2–.15 41.26N 22.70E 2 1.9L,1.5
BEO V 26 04 59 44.3–.83 41.29N 22.65E 1–2 1.9L,1.5
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=78.0.
BEO Event type ke.
ISC V 26 06 43 48.0–.83 41.25N–.02 22.69E–.02 8–6 90 0-3
SKO V 26 06 43 46.7 41.28N 22.70E 15 2.2L,1.7 **¶14302507**
ATH V 26 06 43 46.3 41.30N 22.63E 35–2 3.3,1.7
ISCJB V 26 06 43 47.9–.39 41.28N–.02 22.71E–.03 4–3 3.3,1.7
CSEM V 26 06 43 48.0–.20 41.27N 22.73E 8 2.3L,1.7
THE V 26 06 43 48.3 41.28N 22.71E 1–0 2.7L,1.7
BEO V 26 06 43 49.5–.81 41.26N 22.64E 0–2 2.3L,1.7
ISC Event type ke.
ATH Error ellipse: s-maj=2.3km s-min=1.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=141.1.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=53.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=265.0.
BEO Event type ke.
ISC V 26 08 22 54.4–.99 41.28N–.01 22.67E–.01 2–8 155 0-5
TIR V 26 08 22 48.9 41.52N 22.95E 14 **¶12952817**
SKO V 26 08 22 53.2 41.31N 22.65E 15 2.8L,2.3
ATH V 26 08 22 53.8 41.29N 22.67E 20–0 3.2,2.3
ISCJB V 26 08 22 53.7–.35 41.28N–.01 22.66E–.02 3–3 3.2,2.3
SOF V 26 08 22 53.0 41.26N 22.68E 10 3.1,2.3
CSEM V 26 08 22 54.0–.09 41.28N 22.66E 2 2.6L,2.3
THE V 26 08 22 54.3 41.28N 22.66E 0–0 2.9L,2.3
BEO V 26 08 22 55.0–.69 41.27N 22.66E 0–2 2.7L,2.3
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=136.3.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=64.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.2km az=334.0.
BEO Event type ke.
ISC V 26 10 01 53.9–.90 41.28N–.02 22.69E–.02 8–6 60 0-2
SKO V 26 10 01 52.5 41.29N 22.70E 15 1.6L,1.2 **¶14302509**
ISCJB V 26 10 01 53.7–.45 41.27N–.02 22.71E–.03 9–3 1.6L,1.2
ATH V 26 10 01 53.6 41.28N 22.70E 20–1 3.0,1.2
CSEM V 26 10 01 53.9–.17 41.26N 22.71E 8 1.8L,1.2
THE V 26 10 01 54.3 41.28N 22.71E 1–1 2.2L,1.2
BEO V 26 10 01 55.2–1.0 41.28N 22.62E 3–2 1.8L,1.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=153.8.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=62.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.3km az=346.0.
BEO Event type ke.
LJU V 26 10 10 54.0 45.93N 14.80E 0 0.8L
¶14702551
LJU Artificial.
SKO V 26 10 21 35.7 41.30N 22.70E 1 1.1L,0.8
¶14696436
ISC V 26 10 31 16.0–.94 41.27N–.02 22.68E–.02 4–8 103 0-3
SKO V 26 10 31 14.5 41.28N 22.69E 15 2.1L,1.6 **¶14302510**
ISCJB V 26 10 31 15.3–.43 41.28N–.02 22.68E–.03 1–4 2.1L,1.6
ATH V 26 10 31 15.8 41.26N 22.70E 11–1 3.2,1.6
CSEM V 26 10 31 15.7–.11 41.27N 22.68E 0–0 2.2L,1.6
THE V 26 10 31 16.2 41.26N 22.68E 2–0 2.6L,1.6
BEO V 26 10 31 17.1–.54 41.32N 22.61E 2–2 2.2L,1.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=137.0.
ATH Error ellipse: s-maj=0.7km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=44.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=238.0.
BEO Event type ke.
ISC V 26 11 56 58.6–1.0 41.24N–.02 22.67E–.02 3–9 60 0-3
SKO V 26 11 56 57.6 41.29N 22.69E 15 2.2L,1.9 **¶14696443**
CSEM V 26 11 56 58.9–.22 41.23N 22.71E 5 2.4L,1.9
ISCJB V 26 11 56 58.0–.69 41.22N–.03 22.74E–.03 4–5 2.4L,1.9
ATH V 26 11 56 59.1 41.25N 22.72E 19–1 3.2,1.9
BEO V 26 11 56 59.6–.79 41.25N 22.65E 0–2 2.4L,1.9
SOF V 26 11 56 59.1 41.29N 22.73E 2 2.6,1.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.3km az=166.0.
ATH Error ellipse: s-maj=1.0km s-min=0.4km az=-1.0.
BEO Event type ke.
SKO V 26 12 13 15.2 41.30N 22.73E 15 0.7L,0.4
¶14696444
ISC V 26 14 56 39.0–.90 41.28N–.02 22.68E–.02 5–7 110 0-6
TIR V 26 14 56 36.6 41.32N 22.70E 10 2.9L,2.9L **¶12952818**
SKO V 26 14 56 38.6 41.29N 22.68E 10 2.7L,2.3
THE V 26 14 56 38.9 41.29N 22.70E 3–0 2.9L,2.3
CSEM V 26 14 56 38.8–.13 41.28N 22.68E 2 2.6L,2.3
SOF V 26 14 56 38.6 41.37N 22.72E 2 3.1,2.3
BEO V 26 14 56 39.7–.61 41.30N 22.65E 4–2 2.6L,2.3
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=62.0.
BEO Event type ke.
ISC V 26 15 26 02.0–1.1 45.13N–.03 14.91E–.04 14–9 53 0-2
ISCJB V 26 15 26 01.2–.62 45.13N–.03 14.88E–.05 9–4 **¶14370611**
VIE V 26 15 26 01.9–.35 45.16N 14.82E 11–1 2.3L,1.8b
CSEM V 26 15 26 01.4–.28 45.12N 14.87E 12 2.5,1.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.5km az=169.4.
VIE Error ellipse: s-maj=2.3km s-min=1.2km az=174.0. 38 km ESE of Rijeka .
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=79.0.
ISC V 27 01 10 31.1–.85 41.28N–.02 22.69E–.03 15–6 34 0-2
ISCJB V 27 01 10 30.1–.97 41.24N–.04 22.81E–.05 4–8 **¶14696537**
SKO V 27 01 10 31.3 41.29N 22.71E 13 1.7L,1.5
ATH V 27 01 10 31.0 41.28N 22.71E 23–2 3.1,1.5
CSEM V 27 01 10 31.2–.20 41.27N 22.77E 9–0 1.5L,1.5
BEO V 27 01 10 33.1–.85 41.33N 22.63E 6–3 1.5L,1.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.6km az=28.1.
ATH Error ellipse: s-maj=1.6km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=64.0.
BEO Event type ke.
ISC V 27 02 42 50.5–.98 41.30N–.06 22.66E–.03 15–6 24 0-1
SKO V 27 02 42 50.4 41.34N 22.66E 15 1.8L,1.4 **¶14696552**
CSEM V 27 02 42 50.8–.11 41.30N 22.66E 15 3.0,1.4
ATH V 27 02 42 51.1 41.29N 22.66E 4 3.0,1.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.4km az=177.0.
ATH Error ellipse: s-maj=3.0km s-min=1.5km az=-1.0.
ISC V 27 08 16 03.6–.83 41.30N–.03 22.66E–.02 14–5 59 0-2
SKO V 27 08 16 03.5 41.23N 22.68E 15 2.1L,1.7 **¶14302553**
ISCJB V 27 08 16 03.1–.43 41.34N–.02 22.67E–.04 12–4 2.1L,1.7

CSEM V 27 08 16 03.4–.28 41.33N 22.64E 2 1.9L,1.7
ATH V 27 08 16 04.1 41.27N 22.69E 20–4 2.9,1.7
THE V 27 08 16 04.7 41.28N 22.71E 2–2 2.1L,1.7
BEO V 27 08 16 06.0–.63 41.36N 22.62E 0 1.9L,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.6km az=6.5.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=5.0km az=81.0.
ATH Error ellipse: s-maj=1.5km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=205.0.
BEO Event type ke.
ISC V 27 08 48 40.9–1.1 41.31N–.03 22.68E–.03 12–8 24 0-2
SKO V 27 08 48 39.1 41.38N 22.69E 20 1.5L,1.1 **¶14696580**
ISCJB V 27 08 48 40.2–.76 41.33N–.03 22.69E–.05 13–8 1.5L,1.1
CSEM V 27 08 48 40.7–.11 41.31N 22.68E 15 2.7,1.1
ATH V 27 08 48 41.6 41.27N 22.73E 3 2.7,1.1
BEO V 27 08 48 42.9–1.4 41.33N 22.60E 4–11 1.5L,1.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.2km az=167.1.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=78.0.
ATH Error ellipse: s-maj=3.0km s-min=1.5km az=-1.0.
BEO Event type ke.
ISC V 27 08 49 52.1–.00 41.28N–.03 22.68E–.02 3–9 53 0-2
SKO V 27 08 49 50.4 41.34N 22.68E 16 1.6L,1.3 **¶14302554**
ISCJB V 27 08 49 51.5–.44 41.29N–.03 22.68E–.03 4–6 1.6L,1.3
ATH V 27 08 49 51.5 41.24N 22.70E 25–4 2.9,1.3
CSEM V 27 08 49 51.8–.11 41.28N 22.68E 2 1.6L,1.3
THE V 27 08 49 52.0 41.28N 22.69E 2–2 2.0L,1.3
BEO V 27 08 49 53.6–1.5 41.28N 22.54E 1–4 1.6L,1.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=28.4.
ATH Error ellipse: s-maj=1.8km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=21.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=325.0.
BEO Event type ke.
ISC V 27 16 39 22.5–.92 41.29N–.02 22.72E–.02 5–8 71 0-2
SKO V 27 16 39 21.0 41.30N 22.72E 15 1.8L,1.4 **¶14302560**
SOF V 27 16 39 21.8 41.29N 22.72E 10 2.6,1.4
CSEM V 27 16 39 22.5–.13 41.27N 22.74E 2 1.8L,1.4
THE V 27 16 39 22.6 41.28N 22.72E 1–1 2.2L,1.4
ATH V 27 16 39 22.3 41.30N 22.72E 5–2 3.0,1.4
ISCJB V 27 16 39 22.3–.47 41.27N–.02 22.73E–.03 1–4 3.0,1.4
BEO V 27 16 39 23.4–1.4 41.26N 22.66E 1–3 1.8L,1.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=72.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=194.0.
ATH Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=152.4.
BEO Event type ke.
ISC V 27 18 17 05.9–.95 42.33N–.02 19.51E–.02 14–8 74 0-4
TIR V 27 18 17 03.8–.83 42.35N 19.42E 14–49 2.5L **¶12906395**
ISCJB V 27 18 17 05.7–.36 42.35N–.02 19.53E–.02 11–4 2.5L
PDG V 27 18 17 05.9–.16 42.34N 19.50E 15–0 2.0L,2.0
CSEM V 27 18 17 05.8–.17 42.34N 19.52E 10 1.7L,2.0
BEO V 27 18 17 07.6–.35 42.41N 19.50E 4–3 1.7L,2.0
ISC Event type ke.
TIR Error ellipse: s-maj=4.2km s-min=8.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=11.8.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.3km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=7.0.
BEO Event type ke.
ISC V 27 21 50 01.4–1.1 45.31N–.03 14.45E–.02 4–9 93 0-2
CSEM V 27 21 49 58.8–.41 45.18N 14.43E 5 2.6L **¶14370620**
LJU V 27 21 50 00.7 45.31N 14.44E 12 1.9L
ROM V 27 21 50 00.7–.44 45.27N 14.49E 5 2.5,2.0L
VIE V 27 21 50 01.2–.38 45.33N 14.47E 8 2.5L,1.9b
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=49.0.
VIE Error ellipse: s-maj=2.4km s-min=1.2km az=1.0. 5 km ESE of Rijeka .
ISC V 27 22 19 20.2–.87 41.30N–.02 22.71E–.02 7–7 72 0-2
SKO V 27 22 19 17.9 41.40N 22.71E 22 1.4L,1.1 **¶14302565**
ISCJB V 27 22 19 19.9–.43 41.30N–.02 22.71E–.03 8–3 1.4L,1.1
THE V 27 22 19 20.2 41.30N 22.71E 6–2 1.9L,1.1
ATH V 27 22 19 20.2 41.26N 22.72E 21–1 2.8,1.1
CSEM V 27 22 19 20.0–.14 41.30N 22.71E 8 1.5L,1.1
BEO V 27 22 19 22.1–.53 41.37N 22.61E 0–4 1.5L,1.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=166.2.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.4km az=316.0.
ATH Error ellipse: s-maj=1.4km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=57.0.
BEO Event type ke.
ISC V 28 01 33 58.0–.83 41.31N–.02 22.68E–.02 9–5 78 0-2
SKO V 28 01 33 55.8 41.41N 22.69E 20 2.0L,1.5 **¶14302641**
ISCJB V 28 01 33 57.6–.43 41.31N–.02 22.69E–.03 9–3 2.0L,1.5
ATH V 28 01 33 57.7 41.29N 22.69E 18–2 2.8,1.5
THE V 28 01 33 58.2 41.30N 22.70E 1–1 1.9L,1.5
BEO V 28 01 33 58.7–.91 41.31N 22.64E 5–3 1.5L,1.5
CSEM V 28 01 33 58.0–.14 41.29N 22.68E 8 1.5L,1.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=11.1.
ATH Error ellipse: s-maj=1.8km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=288.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=75.0.
ISC V 28 02 04 08.7–.89 41.28N–.02 22.69E–.02 5–8 95 0-2
THE V 28 02 04 08.6 41.29N 22.70E 0–2 2.2L **¶14302644**
SKO V 28 02 04 08.4 41.30N 22.70E 9 2.0L,1.7
ATH V 28 02 04 08.4 41.28N 22.69E 22–1 2.8,1.7
CSEM V 28 02 04 08.7–.14 41.26N 22.68E 2 1.8L,1.7
ISCJB V 28 02 04 08.5–.35 41.27N–.02 22.69E–.03 8–3 1.8L,1.7
SOF V 28 02 04 08.1 41.29N 22.70E 6 2.5,1.7
BEO V 28 02 04 09.8–1.1 41.28N 22.62E 1–2 1.8L,1.7
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=1.0.
ATH Error ellipse: s-maj=1.7km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=41.6.
BEO Event type ke.
THE V 28 08 28 40.3 41.29N 22.75E 8–2 1.7L
SKO V 28 08 28 39.4 41.32N 22.74E 16 1.2L,0.9 **¶14302657**
CSEM V 28 08 28 40.1–.16 41.31N 22.77E 5 1.7L,0.9
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.5km az=333.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.2km az=20.0.
CSEM V 28 08 35 50.1–.17 41.31N 22.77E 5–3 2.9
SKO V 28 08 35 50.7 41.30N 22.67E 8 1.5L,1.1 **¶14696684**
ATH V 28 08 35 51.6 41.23N 22.71E 18 2.9,1.1
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.5km az=71.0.
ATH Error ellipse: s-maj=9.5km s-min=3.9km az=-1.0.
ISC V 28 11 28 51.1–.92 41.28N–.02 22.71E–.02 9–7 56 0-2
ISCJB V 28 11 28 50.7–.41 41.31N–.02 22.69E–.04 10–4 **¶14302663**
CSEM V 28 11 28 50.9–.17 41.29N 22.73E 10 1.8L
ATH V 28 11 28 51.2 41.27N 22.75E 13–2 2.8
SKO V 28 11 28 51.1 41.29N 22.70E 10 1.6L,1.2
THE V 28 11 28 51.9 41.27N 22.71E 2–4 2.2L,1.2
BEO V 28 11 28 53.7–1.1 41.33N 22.63E 0–8 1.8L,1.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=10.4.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=61.0.
ATH Error ellipse: s-maj=1.9km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=0.6km az=183.0.
BEO Event type ke.
ISC V 28 11 31 01.4–.85 41.26N–.02 22.65E–.03 9–6 50 0-2
SKO V 28 11 31 00.7 41.28N 22.71E 15 1.5L,1.1 **¶14302664**
ISCJB V 28 11 31 00.7–.43 41.31N–.03 22.69E–.03 14–3 1.5L,1.1
CSEM V 28 11 31 00.9–.20 41.29N 22.65E 8 1.7L,1.1
ATH V 28 11 31 01.3 41.27N 22.69E 22–3 2.8,1.1
THE V 28 11 31 02.0 41.29N 22.71E 2–19 2.3L,1.1
BEO V 28 11 31 03.6–1.2 41.31N 22.63E 2–7 1.7L,1.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=144.7.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=79.0.
ATH Error ellipse: s-maj=2.6km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=19.8km s-min=0.5km az=0.0.
BEO Event type ke.
ISC V 28 12 29 57.5–.80 41.28N–.02 22.68E–.02 9–5 113 0-3
SKO V 28 12 29 56.6 41.28N 22.71E 15 2.1L,1.7 **¶14302669**
ISCJB V 28 12 29 56.7–.37 41.29N–.02 22.66E–.02 1–4 2.1L,1.7
CSEM V 28 12 29 57.4–.13 41.29N 22.66E 5 2.2L,1.7
ATH V 28 12 29 57.4 41.27N 22.72E 22–2 2.9,1.7
SOF V 28 12 29 57.5 41.30N 22.69E 9 2.8,1.7
THE V 28 12 29 58.0 41.27N 22.71E 2–1 2.6L,1.7
BEO V 28 12 29 58.7–.82 41.30N 22.60E 7–4 2.2L,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=145.9.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=57.0.
ATH Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=209.0.
BEO Event type ke.
ISC V 28 13 53 31.8–.87 41.28N–.02 22.72E–.02 8–7 58 0-2
SKO V 28 13 53 29.7 41.37N 22.72E 20 1.7L,1.3 **¶14302671**
ISCJB V 28 13 53 31.1–.43 41.33N–.02 22.70E–.04 12–4 1.7L,1.3
ATH V 28 13 53 31.6 41.28N 22.74E 15–8 2.6,1.3
BEO V 28 13 53 31.8–.92 41.28N 22.61E 9–3 1.6L,1.3
CSEM V 28 13 53 31.5–.18 41.31N 22.72E 8 1.6L,1.3
THE V 28 13 53 32.3 41.29N 22.74E 0–2 1.9L,1.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=177.1.
ATH Error ellipse: s-maj=1.8km s-min=0.8km az=-1.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=62.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=245.0.
ISC V 28 19 49 42.4–.83 41.29N–.02 22.68E–.02 7–5 139 0-3
SKO V 28 19 49 40.8 41.29N 22.68E 15 2.7L,2.4 **¶14302678**
ISCJB V 28 19 49 41.6–.36 41.29N–.02 22.67E–.02 6–3 2.7L,2.4
ATH V 28 19 49 41.4 41.30N 22.67E 20–1 3.2,2.4
THE V 28 19 49 42.3 41.29N 22.69E 2–1 2.4L,2.4
CSEM V 28 19 49 42.3–.12 41.27N 22.69E 5 2.3L,2.4
BEO V 28 19 49 43.9–.48 41.33N 22.63E 0 2.3L,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=168.3.
ATH Error ellipse: s-maj=1.6km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=210.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=74.0.
BEO Event type ke.
ISC V 28 19 51 25.9–.96 41.28N–.04 22.70E–.03 17–7 35 0-2
SKO V 28 19 51 24.7 41.37N 22.71E 22 1.3L,0.7 **¶14696708**
ISCJB V 28 19 51 25.5–.80 41.29N–.07 22.76E–.05 12–7 1.3L,0.7
CSEM V 28 19 51 25.7–.57 41.28N 22.77E 10 2.8,0.7
ATH V 28 19 51 26.1 41.28N 22.71E 18–1 2.8,0.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.3km az=167.9.
CSEM Event type ke. Error ellipse: s-maj=14.4km s-min=8.7km az=10.0.
ATH Error ellipse: s-maj=1.3km s-min=0.6km az=-1.0.
ISC V 28 21 21 13.5–.82 41.27N–.02 22.74E–.02 11–5 87 0-3
SKO V 28 21 21 12.5 41.32N 22.74E 17 1.5L,1.4 **¶14302680**
ISCJB V 28 21 21 12.9–.39 41.30N–.02 22.72E–.03 11–3 1.5L,1.4
ATH V 28 21 21 12.7 41.28N 22.76E 20–1 2.8,1.4
CSEM V 28 21 21 13.5–.16 41.28N 22.73E 8 1.5L,1.4
THE V 28 21 21 13.9 41.28N 22.75E 1–1 1.8L,1.4
BEO V 28 21 21 14.9–.79 41.29N 22.72E 0 1.5L,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=23.8.
ATH Error ellipse: s-maj=1.7km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=44.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=223.0.
BEO Event type ke.
ISC V 29 09 08 50.6–1.3 45.28N–.03 14.51E–.03 4–9 76 0-2
ROM V 29 09 08 49.0–1.0 45.13N 14.51E 10 2.6,2.3L **¶14370635**
ISCJB V 29 09 08 50.7–.60 45.28N–.03 14.41E–.04 7–7 2.6,2.3L
CSEM V 29 09 08 50.9–.31 45.27N 14.43E 10 2.8L,2.3L
VIE V 29 09 08 51.7–.36 45.33N 14.43E 9–1 2.5L,2.3L
LJU V 29 09 08 51.3 45.31N 14.44E 13 2.0L,2.3L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=33.5km s-min=9.0km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.0km az=135.7.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=40.0.
VIE Error ellipse: s-maj=2.4km s-min=1.1km az=3.0. 2 km SE of Rijeka .
ISC V 29 11 26 37.4–1.4 45.09N–.05 14.89E–.05 3–14 22 0-2
ROM V 29 11 26 37.5–.75 44.92N 14.83E 10 2.6,2.4L **¶14851268**
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=27.1km s-min=7.7km az=51.0.
ISC V 29 16 31 14.3–.81 41.29N–.02 22.72E–.02 9–5 86 0-2
ISCJB V 29 16 31 13.9–.36 41.31N–.02 22.70E–.03 11–3 **¶14302746**
SOF V 29 16 31 13.7 41.28N 22.74E 14 2.6
SKO V 29 16 31 13.9 41.25N 22.71E 15 2.2L,1.8
CSEM V 29 16 31 14.5–.13 41.28N 22.71E 8 2.0L,1.8
THE V 29 16 31 14.5 41.31N 22.73E 3–1 2.2L,1.8
ATH V 29 16 31 14.1 41.28N 22.69E 26–1 3.0,1.8
BEO V 29 16 31 16.0–.66 41.33N 22.66E 2–3 2.0L,1.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=174.2.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=47.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=200.0.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.
BEO Event type ke.
ISC V 29 21 37 17.3–.91 41.28N–.01 22.73E–.01 5–7 214 0-6
SOF V 29 21 37 16.2 41.26N 22.76E 5 3.3 **¶12952821**
ATH V 29 21 37 16.8 41.29N 22.73E 20–1 3.4
SKO V 29 21 37 16.8 41.24N 22.73E 15 2.7L,2.2
ISCJB V 29 21 37 16.5–.34 41.29N–.01 22.74E–.02 0–3 2.7L,2.2
THE V 29 21 37 17.5 41.27N 22.74E 2–0 3.0L,2.2
BEO V 29 21 37 17.6–.64 41.27N 22.71E 4–2 2.8L,2.2
CSEM V 29 21 37 17.2–.08 41.27N 22.73E 2 2.8L,2.2
TIR V 29 21 37 19.7–.50 41.28N 22.70E 70–46 2.8L,2.2
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=21.4.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=226.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=84.0.
TIR Error ellipse: s-maj=7.7km s-min=75.4km az=-1.0.
ISC V 30 01 00 51.9–1.5 41.32N–.06 22.69E–.04 15–10 20 0-1
SKO V 30 01 00 50.5 41.39N 22.71E 20 1.2L,0.8 **¶14696841**
ISCJB V 30 01 00 51.6–2.1 41.31N–.06 22.71E–.07 15–16 1.2L,0.8
ATH V 30 01 00 52.6 41.31N 22.71E 4 2.8,0.8
CSEM V 30 01 00 52.0–.15 41.32N 22.70E 15 1.2L,0.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.7km az=146.8.
ATH Error ellipse: s-maj=1.9km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=179.0.
ISC V 30 07 05 44.2–.92 41.28N–.03 22.70E–.03 8–8 32 0-2

SKO V 30 07 05 42.0 41.38N 22.69E 21 1.7L,1.4 ¶14696857
ISCJB V 30 07 05 43.7–.49 41.33N–.03 22.70E–.04 6–7 1.7L,1.4
ATH V 30 07 05 44.2 41.30N 22.70E 7 2.9,1.4
CSEM V 30 07 05 44.2–.25 41.28N 22.70E 8 1.7L,1.4
BEO V 30 07 05 45.7–.66 41.33N 22.62E 3–4 1.7L,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.3km az=9.3.
ATH Error ellipse: s-maj=1.6km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.9km az=76.0.
BEO Event type ke.
ISC V 30 22 40 45.2–1.2 43.98N–.02 17.14E–.03 1–11 106 1-5
VIE V 30 22 40 46.0–.72 43.97N 17.22E 10 2.6L,2.5b ¶12906399
BEO V 30 22 40 45.7–.48 43.85N 16.67E 0 2.6L,2.5b
CSEM V 30 22 40 46.9–.23 43.91N 16.76E 2 2.6L,2.5b
PDG V 30 22 40 47.2–.49 43.68N 16.76E 6–1 2.8L,2.5b
ISC Event type ke.
VIE Error ellipse: s-maj=8.3km s-min=5.4km az=46.0. 79 km NE of Split .
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=3.1km az=43.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.1km az=0.0.
ISC V 31 00 28 08.9–.92 41.28N–.02 22.70E–.02 6–7 96 0-3
THE V 31 00 28 08.7 41.28N 22.70E 4–1 2.1L ¶14302801
ISCJB V 31 00 28 08.2–.35 41.29N–.02 22.70E–.02 7–3 2.1L
ATH V 31 00 28 08.4 41.30N 22.69E 18–1 3.0
SKO V 31 00 28 08.3 41.27N 22.70E 15 2.1L,1.8
CSEM V 31 00 28 08.7–.11 41.27N 22.70E 5 1.9L,1.8
BEO V 31 00 28 10.1–.74 41.32N 22.63E 4–3 1.9L,1.8
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=210.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=26.8.
ATH Error ellipse: s-maj=0.8km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=31.0.
BEO Event type ke.
SKO V 31 03 31 23.5 41.37N 22.70E 19 0.8L,0.5
¶14696911
ISC V 31 05 15 23.3–.82 41.30N–.02 22.71E–.02 8–6 95 0-2
SKO V 31 05 15 22.8 41.28N 22.71E 15 2.1L,1.8 ¶14302804
THE V 31 05 15 23.0 41.32N 22.73E 3–1 2.5L,1.8
SOF V 31 05 15 23.1 41.36N 22.73E 4 2.7,1.8
CSEM V 31 05 15 23.4–.12 41.30N 22.71E 2 2.0L,1.8
BEO V 31 05 15 25.0–.50 41.35N 22.67E 1–3 2.0L,1.8
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=209.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=28.0.
BEO Event type ke.
ISC V 31 16 44 03.4–1.0 41.26N–.03 22.69E–.03 4–11 24 0-2
SKO V 31 16 44 00.4 41.41N 22.68E 23 1.8L,1.4 ¶14696937
ATH V 31 16 44 03.8 41.25N 22.71E 5 2.9,1.4
BEO V 31 16 44 03.6–1.1 41.22N 22.64E 0 1.6L,1.4
CSEM V 31 16 44 03.7–1.4 41.27N 22.68E 2 1.6L,1.4
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.3km az=-1.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=26.8km s-min=13.4km az=176.0.
ISC VI 01 01 46 05.0–1.0 41.27N–.02 22.70E–.02 3–9 66 0-2
CSEM VI 01 01 46 04.9–.12 41.27N 22.70E 2 1.4L ¶14302844
SKO VI 01 01 46 04.4 41.29N 22.70E 10 1.5L,1.1
ISCJB VI 01 01 46 04.6–.49 41.28N–.02 22.71E–.03 1–5 1.5L,1.1
ATH VI 01 01 46 04.8 41.29N 22.71E 4 3.0,1.1
THE VI 01 01 46 05.1 41.27N 22.71E 2–1 1.7L,1.1
BEO VI 01 01 46 05.4–1.2 41.24N 22.62E 3–2 1.4L,1.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=139.8.
ATH Error ellipse: s-maj=1.6km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=230.0.
BEO Event type ke.
ISC VI 01 02 41 44.6–.89 41.31N–.02 22.71E–.02 9–5 74 0-2
SKO VI 01 02 41 43.6 41.31N 22.70E 15 2.0L,1.6 ¶14302846
ATH VI 01 02 41 43.6 41.32N 22.71E 11–5 2.9,1.6
ISCJB VI 01 02 41 43.9–.42 41.30N–.02 22.72E–.03 7–3 2.9,1.6
CSEM VI 01 02 41 44.3–.11 41.30N 22.72E 5 1.5L,1.6
THE VI 01 02 41 44.5 41.31N 22.73E 2–1 2.0L,1.6
BEO VI 01 02 41 45.7–.47 41.36N 22.58E 6–5 1.5L,1.6
ISC Event type ke.
ATH Error ellipse: s-maj=2.5km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=168.5.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=49.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=185.0.
BEO Event type ke.
ISC VI 01 03 47 59.4–1.0 41.81N–.02 22.87E–.03 9–10 45 1-2
SKO VI 01 03 47 59.6 41.79N 22.87E 15 1.9L,1.5 ¶14302847
CSEM VI 01 03 47 59.5–.14 41.82N 22.87E 10 1.9L,1.5
ISCJB VI 01 03 47 59.4–.57 41.84N–.02 22.81E–.07 15–7 1.9L,1.5
THE VI 01 03 47 59.5 41.81N 22.88E 2–37 1.9L,1.5
BEO VI 01 03 48 02.2–.43 41.87N 22.76E 0 1.5L,1.5
ATH VI 01 03 48 03.1 40.30N 22.52E 10 2.9,1.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.1km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=3.8km az=13.4.
THE Event type ke. Error ellipse: s-maj=37.5km s-min=0.7km az=0.0.
BEO Event type ke.
ISC VI 01 04 09 57.5–1.1 45.18N–.02 15.82E–.02 8–9 145 1-6
ROM VI 01 04 09 56.8–.15 45.12N 15.97E 10 2.7L ¶12906403
ISCJB VI 01 04 09 57.1–.46 45.16N–.02 15.80E–.03 5–3 2.7L
CSEM VI 01 04 09 58.6–.22 45.17N 15.69E 10 2.9
PRU VI 01 04 09 58.8 45.28N 15.81E 1 2.5
VIE VI 01 04 09 59.6–.47 45.30N 15.80E 10–1 2.4L,2.1b
BEO VI 01 04 09 59.0–.47 45.12N 15.81E 0 2.5L,2.1b
SZGRF VI 01 04 10 00.6 45.33N 15.98E 10 2.5b,2.1b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=14.2km s-min=1.6km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=41.5.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=40.0.
VIE Error ellipse: s-maj=2.7km s-min=1.7km az=152.0. 29 km SE of Karlovac .
BEO Event type ke.
SZGRF Northwestern Balkan Peninsula.
ISC VI 01 06 09 18.3–.88 41.33N–.04 22.68E–.03 7–7 39 0-3
ISCJB VI 01 06 09 18.1–.49 41.30N–.04 22.70E–.04 8–5 ¶14302850
THE VI 01 06 09 18.2 41.32N 22.70E 3–2 2.2L
CSEM VI 01 06 09 18.5–.23 41.30N 22.70E 2 2.2L
SKO VI 01 06 09 18.3 41.30N 22.68E 6 1.9L,1.4
BEO VI 01 06 09 22.7–1.5 41.50N 22.34E 0 1.4L,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.4km az=36.3.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.5km az=200.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.7km az=42.0.
BEO Event type ke.
ISC VI 01 08 03 39.6–.80 41.28N–.01 22.70E–.01 5–5 4.1b,3.4s 756 0-94
BEO VI 01 08 03 35.3–.61 40.99N 22.93E 0 4.1L,3.4s ¶12906404
ISCJB VI 01 08 03 38.6–.28 41.29N–.01 22.69E–.01 8–2 4.1b,3.4s
PDG VI 01 08 03 38.9–.65 41.27N 22.74E 2–1 3.7L,3.4s
IDC VI 01 08 03 38.9–.67 41.27N 22.69E 0 4.1,4.0
SKO VI 01 08 03 38.9 41.28N 22.70E 10 3.8L,3.3
SOF VI 01 08 03 38.5 41.27N 22.73E 5 4.0,3.3
MOS VI 01 08 03 38.0–1.1 41.27N 22.57E 10 4.2b,3.3
CSEM VI 01 08 03 39.4–.08 41.27N 22.69E 2 4.1b,2.7s
ATH VI 01 08 03 39.1 41.26N 22.71E 19–0 4.1,3.8L
THE VI 01 08 03 39.6 41.27N 22.71E 2–1 4.3L,3.8L
NEIC VI 01 08 03 39.6 41.27N 22.71E 2 4.3L,4.2b
PDA VI 01 08 03 40.9 41.20N 22.80E 10 4.4b,4.2b
PRU VI 01 08 03 41.0 41.28N 22.78E 0 4.2,4.2b
SZGRF VI 01 08 03 44.0 41.48N 22.80E 10 4.2b,4.2b
TIR VI 01 08 03 50.5 41.39N 22.60E 23 4.2L,4.2b
ISC Event type fe.
BEO Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=35.6.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
IDC Error ellipse: s-maj=12.4km s-min=10.6km az=159.0.
MOS Error ellipse: s-maj=4.7km s-min=3.3km az=103.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=23.0.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=234.0.
NEIC Event type fe. Felt at Strumica. Also felt at Kilkis, Greece and at Sofia, Bulgaria. After THE.
SZGRF Northwestern Balkan Peninsula.
ISC VI 01 08 52 26.6–.80 41.29N–.02 22.66E–.02 10–5 77 0-3
CSEM VI 01 08 52 26.7–.13 41.29N 22.68E 2 2.2L ¶14302855
SOF VI 01 08 52 26.9 41.33N 22.72E 7 2.7
ATH VI 01 08 52 26.6 41.29N 22.70E 17–4 2.7
SKO VI 01 08 52 26.5 41.34N 22.59E 13 2.3L,1.8
ISCJB VI 01 08 52 26.4–.35 41.28N–.02 22.67E–.03 7–3 2.3L,1.8
THE VI 01 08 52 27.1 41.29N 22.69E 2–1 2.7L,1.8
BEO VI 01 08 52 30.5–1.1 41.38N 22.71E 16–4 2.3L,1.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=28.0.
ATH Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=135.3.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=189.0.
BEO Event type ke.
SKO VI 01 09 08 40.3 41.29N 22.69E 11 1.4L,1.1
¶15155633
ISC VI 01 19 54 01.6–.93 41.31N–.03 22.68E–.02 4–8 45 0-2
ATH VI 01 19 54 01.7 41.29N 22.71E 6 2.7 ¶14302874
SKO VI 01 19 54 01.2 41.30N 22.69E 15 1.5L,1.1
CSEM VI 01 19 54 01.3–.21 41.31N 22.65E 2 1.6L,1.1
ISCJB VI 01 19 54 01.2–.54 41.31N–.03 22.70E–.04 3–6 1.6L,1.1
THE VI 01 19 54 02.0 41.29N 22.71E 2–2 1.6L,1.1
BEO VI 01 19 54 05.1–1.5 41.43N 22.46E 6–5 1.4L,1.1
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=34.5.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=298.0.
BEO Event type ke.
ISC VI 01 20 49 11.9–.93 41.29N–.02 22.68E–.02 10–5 41 0-2
ATH VI 01 20 49 11.6 41.32N 22.71E 5 3.0 ¶14302878
ISCJB VI 01 20 49 11.8–.47 41.30N–.03 22.71E–.04 9–4 3.0
SKO VI 01 20 49 11.8 41.30N 22.68E 11 1.5L,1.1
THE VI 01 20 49 12.1 41.30N 22.69E 7–2 1.6L,1.1
CSEM VI 01 20 49 12.4–.18 41.29N 22.70E 0–2 1.6L,1.1
BEO VI 01 20 49 18.3–1.1 41.63N 22.25E 0 1.4L,1.1
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=0.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.3km az=139.3.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.4km az=314.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=29.0.
BEO Event type ke.
ISC VI 01 23 55 20.7–.90 41.33N–.02 22.86E–.02 8–7 226 0-7
BEO VI 01 23 55 16.6–.67 41.16N 23.57E 4–3 3.3L ¶14302882
SOF VI 01 23 55 19.8 41.39N 22.85E 13 3.3
SKO VI 01 23 55 19.2 41.37N 22.83E 25 2.8L,2.6
THE VI 01 23 55 20.6 41.35N 22.85E 7–0 3.2L,2.6
CSEM VI 01 23 55 20.2–.06 41.34N 22.83E 8 3.2L,2.6
ISCJB VI 01 23 55 20.0–.34 41.33N–.01 22.87E–.02 10–3 3.2L,2.6
ATH VI 01 23 55 20.2 41.33N 22.87E 26–1 3.5,2.6
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=173.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=11.4.
ATH Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0.
ISC VI 02 01 54 43.6–.87 41.29N–.02 22.68E–.02 9–5 68 0-2
SKO VI 02 01 54 42.7 41.24N 22.68E 15 2.0L,1.6 ¶14302921
ATH VI 02 01 54 43.6 41.31N 22.68E 9 2.9,1.6
THE VI 02 01 54 43.7 41.29N 22.68E 5–1 1.9L,1.6
ISCJB VI 02 01 54 43.2–.41 41.31N–.02 22.68E–.03 4–4 1.9L,1.6
CSEM VI 02 01 54 43.6–.12 41.29N 22.68E 5 1.9L,1.6
BEO VI 02 01 54 48.0–1.5 41.44N 22.53E 15–6 1.5L,1.6
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=209.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=136.6.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=57.0.
BEO Event type ke.
ISC VI 02 03 50 31.4–.95 41.27N–.03 22.73E–.04 11–7 22 0-2
SKO VI 02 03 50 30.8 41.29N 22.75E 15 1.6L,1.4 ¶15155674
ISCJB VI 02 03 50 31.2–.70 41.29N–.03 22.73E–.04 9–5 1.6L,1.4
ATH VI 02 03 50 31.0 41.31N 22.72E 9–6 3.1,1.4
CSEM VI 02 03 50 34.1–.54 41.38N 22.57E 2 1.7L,1.4
BEO VI 02 03 50 37.6–1.5 41.57N 22.41E 0 1.7L,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=5.0km az=175.2.
ATH Error ellipse: s-maj=0.8km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=36.3km s-min=10.7km az=90.0.
BEO Event type ke.
ISC VI 02 04 11 35.0–.97 41.25N–.02 22.70E–.02 4–8 80 0-3
ATH VI 02 04 11 34.2 41.28N 22.70E 21–2 3.3 ¶14302923
SKO VI 02 04 11 34.0 41.25N 22.72E 15 1.9L,1.7
SOF VI 02 04 11 34.2 41.27N 22.71E 9 2.5,1.7
ISCJB VI 02 04 11 34.6–.41 41.25N–.02 22.70E–.03 5–3 2.5,1.7
THE VI 02 04 11 35.0 41.27N 22.72E 2–1 2.4L,1.7
CSEM VI 02 04 11 35.1–.15 41.25N 22.71E 2 2.4L,1.7
BEO VI 02 04 11 37.7–1.5 41.28N 22.65E 12–0 2.0L,1.7
ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=156.9.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=208.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=59.0.
BEO Event type ke.
ISC VI 02 07 14 26.4–.94 41.26N–.02 22.69E–.01 4–8 116 0-6
SKO VI 02 07 14 25.7 41.27N 22.69E 15 2.5L,2.0 ¶14302927
SOF VI 02 07 14 25.7 41.27N 22.69E 7 2.9,2.0
ATH VI 02 07 14 26.3 41.26N 22.70E 15–1 3.5,2.0
CSEM VI 02 07 14 26.7–.13 41.24N 22.69E 2 2.9L,2.0
THE VI 02 07 14 26.6 41.27N 22.69E 1–1 2.9L,2.0
BEO VI 02 07 14 29.0–1.1 41.31N 22.75E 7–4 2.5L,2.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=31.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=256.0.
BEO Event type ke.
ISC VI 02 08 51 12.3–1.1 41.80N–.02 22.91E–.03 2–10 62 1-3
ATH VI 02 08 51 11.7 41.82N 22.87E 21–3 3.2 ¶14302928
CSEM VI 02 08 51 12.2–.17 41.82N 22.92E 2 2.6L
SKO VI 02 08 51 12.1 41.79N 22.87E 15 2.6L,2.1
THE VI 02 08 51 12.2 41.81N 22.90E 3–2 2.6L,2.1
BEO VI 02 08 51 13.9–.98 41.84N 22.92E 0 2.3L,2.1
ISC Event type ke.
ATH Error ellipse: s-maj=3.4km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.6km az=72.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=271.0.
BEO Event type ke.

SKO VI 02 10 08 25.7 41.31N 22.66E 12 0.6L,0.2 ¶15155685
ISC VI 02 17 55 23.8–.81 41.29N–.02 22.69E–.02 8–5 112 0-3
SOF VI 02 17 55 22.9 41.28N 22.70E 13 2.6 ¶14302939
ISCJB VI 02 17 55 23.6–.33 41.26N–.02 22.70E–.02 6–3 2.6
THE VI 02 17 55 23.9 41.30N 22.71E 6–0 2.6L
SKO VI 02 17 55 23.3 41.29N 22.67E 15 2.2L,1.8
ATH VI 02 17 55 23.0 41.31N 22.68E 23–2 3.1,1.8
CSEM VI 02 17 55 24.0–.15 41.26N 22.69E 5 2.2L,1.8
BEO VI 02 17 55 25.8–.68 41.29N 22.67E 0 2.2L,1.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=136.4.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=204.0.
ATH Error ellipse: s-maj=2.4km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=29.0.
BEO Event type ke.
ISC VI 03 02 38 51.1–1.1 41.31N–.09 22.74E–.05 18–8 11 0-1
ISCJB VI 03 02 38 51.0–.89 41.31N–.08 22.8E–.10 17–14 ¶14697006
SKO VI 03 02 38 51.9 41.28N 22.75E 15 1.1L,0.8
ATH VI 03 02 38 51.0 41.30N 22.71E 27–2 3.1,0.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=10.2km az=44.2.
ATH Error ellipse: s-maj=1.9km s-min=0.9km az=-1.0.
ISC VI 03 03 39 50.5–.91 41.31N–.03 22.73E–.02 9–7 46 0-2
ATH VI 03 03 39 49.9 41.32N 22.72E 14–5 2.8 ¶14304645
THE VI 03 03 39 50.2 41.32N 22.74E 10–3 2.1L
ISCJB VI 03 03 39 50.3–.46 41.29N–.02 22.74E–.03 7–4 2.1L
SKO VI 03 03 39 50.4 41.31N 22.74E 11 1.6L,1.4
CSEM VI 03 03 39 50.7–.15 41.30N 22.75E 2 1.6L,1.4
BEO VI 03 03 39 52.3–.72 41.36N 22.48E 0 1.6L,1.4
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.7km az=279.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=138.1.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=36.0.
BEO Event type ke.
ISC VI 03 04 08 06.3–.94 41.30N–.02 22.70E–.02 8–7 45 0-2
CSEM VI 03 04 08 06.5–.08 41.29N 22.71E 4–1 1.7L ¶14304646
SKO VI 03 04 08 06.1 41.31N 22.67E 10 1.8L,1.5
ISCJB VI 03 04 08 06.1–.50 41.31N–.03 22.72E–.03 2–6 1.8L,1.5
THE VI 03 04 08 06.2 41.31N 22.72E 8–3 2.1L,1.5
ATH VI 03 04 08 06.1 41.34N 22.68E 4 3.0,1.5
BEO VI 03 04 08 08.3–.65 41.36N 22.51E 0 1.7L,1.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=28.9.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.6km az=299.0.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
BEO Event type ke.
ISC VI 03 04 52 27.2–.91 41.28N–.02 22.74E–.02 6–8 56 0-2
ATH VI 03 04 52 26.7 41.31N 22.74E 4 2.8 ¶14304647
SKO VI 03 04 52 26.7 41.29N 22.73E 11 1.9L,1.6
CSEM VI 03 04 52 27.4–.15 41.26N 22.76E 2 1.9L,1.6
THE VI 03 04 52 27.0 41.30N 22.76E 1–1 2.4L,1.6
BEO VI 03 04 52 28.3–.96 41.25N 22.66E 4–2 1.9L,1.6
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=31.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=321.0.
BEO Event type ke.
ISC VI 03 15 41 01.8–1.0 41.77N–.02 22.20E–.02 9–9 58 1-2
THE VI 03 15 41 01.7 41.79N 22.23E 7–0 2.0L ¶14304656
SKO VI 03 15 41 01.6 41.73N 22.17E 15 2.0L,1.5
ISCJB VI 03 15 41 01.5–.50 41.77N–.02 22.19E–.04 1–6 2.0L,1.5
BEO VI 03 15 41 01.9–1.4 41.68N 22.17E 21–7 1.8L,1.5
ATH VI 03 15 41 01.2 41.80N 22.17E 14–3 3.1,1.5
CSEM VI 03 15 41 01.6–.14 41.78N 22.21E 10 1.8L,1.5
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=1.9.
BEO Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=68.0.
ISC VI 03 23 31 07.1–1.0 41.26N–.02 22.69E–.02 3–9 66 0-2
THE VI 03 23 31 06.8 41.29N 22.70E 1–1 1.7L ¶14304666
ATH VI 03 23 31 06.8 41.28N 22.72E 10 2.6
ISCJB VI 03 23 31 06.5–.43 41.27N–.02 22.69E–.03 1–4 2.6
CSEM VI 03 23 31 06.9–.16 41.26N 22.68E 0–2 1.6L
SKO VI 03 23 31 06.4 41.30N 22.70E 10 1.6L,1.2
BEO VI 03 23 31 10.2–.75 41.33N 22.55E 0 1.6L,1.2
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=246.0.
ATH Error ellipse: s-maj=1.7km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=59.0.
BEO Event type ke.
ISC VI 04 08 20 07.4–1.1 41.28N–.02 22.77E–.02 1–10 64 0-2
ISCJB VI 04 08 20 06.9–.44 41.25N–.02 22.76E–.03 2–4 ¶14304739
SKO VI 04 08 20 06.8 41.29N 22.76E 15 1.8L,1.5
ATH VI 04 08 20 07.5 41.25N 22.78E 15–5 2.9,1.5
THE VI 04 08 20 07.4 41.27N 22.77E 2–2 2.2L,1.5
CSEM VI 04 08 20 07.6–.14 41.26N 22.76E 2 1.8L,1.5
BEO VI 04 08 20 08.3–1.3 41.23N 22.71E 0 1.8L,1.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=38.6.
ATH Error ellipse: s-maj=1.3km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=216.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=42.0.
BEO Event type ke.
ISC VI 04 10 22 09.3–.84 41.29N–.02 22.68E–.01 6–6 110 0-3
SKO VI 04 10 22 08.7 41.30N 22.69E 11 2.9L,2.5 ¶14304742
ATH VI 04 10 22 08.8 41.29N 22.70E 21–1 3.1,2.5
SOF VI 04 10 22 08.7 41.32N 22.69E 7 2.7,2.5
ISCJB VI 04 10 22 08.9–.38 41.28N–.02 22.70E–.02 2–3 2.7,2.5
THE VI 04 10 22 09.2 41.30N 22.69E 2–1 2.7L,2.5
CSEM VI 04 10 22 09.3–.13 41.28N 22.70E 2 2.4L,2.5
BEO VI 04 10 22 11.9–.94 41.33N 22.60E 0 2.4L,2.5
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=158.4.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=192.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=24.0.
BEO Event type ke.
ISC VI 04 16 21 01.7–.90 41.30N–.02 22.66E–.02 4–7 58 0-2
ATH VI 04 16 21 00.7 41.35N 22.68E 23–2 3.0 ¶14304746
SKO VI 04 16 21 01.2 41.30N 22.67E 9 2.0L,1.4
ISCJB VI 04 16 21 01.6–.43 41.27N–.02 22.67E–.04 7–3 2.0L,1.4
THE VI 04 16 21 01.9 41.28N 22.67E 2–1 2.2L,1.4
CSEM VI 04 16 21 01.7–.20 41.27N 22.65E 2 1.7L,1.4
BEO VI 04 16 21 03.5–1.1 41.31N 22.53E 0 1.7L,1.4
ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=150.1.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=224.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=66.0.
BEO Event type ke.
LJU VI 05 02 21 22.1 46.05N 14.17E 6 0.7L
CSEM VI 05 02 21 22.1 46.05N 14.17E 0 0.7L ¶14703109
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
ISC VI 05 12 57 39.2–.87 41.30N–.02 22.71E–.02 6–7 65 0-2
SKO VI 05 12 57 38.9 41.30N 22.70E 11 1.8L,1.5 ¶14304789
ISCJB VI 05 12 57 39.2–.47 41.30N–.02 22.72E–.03 2–6 1.8L,1.5
ATH VI 05 12 57 39.1 41.31N 22.71E 4 3.1,1.5
THE VI 05 12 57 39.1 41.32N 22.71E 7–2 2.1L,1.5
CSEM VI 05 12 57 39.5–.13 41.29N 22.72E 2 1.7L,1.5
BEO VI 05 12 57 42.0–.71 41.34N 22.54E 0 1.7L,1.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.9km az=148.1.
ATH Error ellipse: s-maj=2.0km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=206.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=52.0.
BEO Event type ke.
ISC VI 05 19 25 27.8–1.0 41.80N–.02 22.88E–.03 12–11 32 1-2
SKO VI 05 19 25 27.3 41.80N 22.86E 15 2.1L,1.6 ¶14697054
CSEM VI 05 19 25 27.4–.29 41.81N 22.85E 5 1.6L,1.6
ATH VI 05 19 25 28.0 41.79N 22.90E 3 3.2,1.6
BEO VI 05 19 25 29.0–.38 41.83N 22.84E 0 1.6L,1.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.8km az=85.0.
ATH Error ellipse: s-maj=2.2km s-min=1.3km az=-1.0.
BEO Event type ke.
ISC VI 06 17 02 21.6–1.0 41.27N–.02 22.70E–.02 3–10 70 0-2
SKO VI 06 17 02 20.3 41.28N 22.69E 15 1.7L,1.6 ¶14305716
ATH VI 06 17 02 20.6 41.25N 22.70E 23–3 3.1,1.6
ISCJB VI 06 17 02 21.0–.42 41.26N–.02 22.69E–.03 6–4 3.1,1.6
THE VI 06 17 02 21.4 41.26N 22.70E 0–1 2.3L,1.6
CSEM VI 06 17 02 21.5–.14 41.25N 22.70E 2 1.8L,1.6
BEO VI 06 17 02 24.0–.44 41.35N 22.58E 0 1.8L,1.6
ISC Event type ke.
ATH Error ellipse: s-maj=3.1km s-min=1.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=154.7.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=235.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=64.0.
BEO Event type ke.
ISC VI 06 17 34 53.5–.88 41.29N–.03 22.67E–.02 7–6 54 0-2
SKO VI 06 17 34 53.0 41.29N 22.66E 11 2.1L,1.7 ¶14305718
ATH VI 06 17 34 52.9 41.32N 22.67E 3 3.0,1.7
ISCJB VI 06 17 34 53.2–.45 41.28N–.03 22.69E–.04 3–6 3.0,1.7
THE VI 06 17 34 53.6 41.30N 22.69E 2–1 1.9L,1.7
CSEM VI 06 17 34 53.2–.16 41.29N 22.67E 2 1.8L,1.7
BEO VI 06 17 34 54.9–1.1 41.30N 22.49E 0 1.8L,1.7
ISC Event type ke.
ATH Error ellipse: s-maj=3.5km s-min=1.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=43.4.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=338.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=54.0.
BEO Event type ke.
ISC VI 06 18 28 33.8–.82 41.29N–.02 22.68E–.02 7–5 108 0-3
SKO VI 06 18 28 33.2 41.30N 22.69E 12 2.2L,1.8 ¶14305720
ATH VI 06 18 28 33.5 41.27N 22.70E 20–2 3.3,1.8
THE VI 06 18 28 33.9 41.29N 22.69E 0–1 2.4L,1.8
SOF VI 06 18 28 33.1 41.32N 22.70E 8 2.7,1.8
CSEM VI 06 18 28 33.6–.12 41.28N 22.68E 2 2.2L,1.8
ISCJB VI 06 18 28 33.5–.35 41.28N–.02 22.68E–.03 8–3 2.2L,1.8
BEO VI 06 18 28 34.8–.98 41.31N 22.46E 0 2.2L,1.8
ISC Event type ke.
ATH Error ellipse: s-maj=2.3km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=242.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=138.4.
BEO Event type ke.
ISC VI 06 21 40 27.7–.78 41.28N–.01 22.67E–.01 6–5 3.7b 333 0-140
ISCJB VI 06 21 40 26.8–.29 41.28N–.01 22.66E–.02 6–2 3.4b ¶12952865
SKO VI 06 21 40 26.6 41.29N 22.68E 15 3.3L,2.8
ATH VI 06 21 40 26.6 41.31N 22.68E 23–1 3.0,2.8
BEO VI 06 21 40 26.7–.44 41.17N 22.66E 0 3.4L,2.8
THE VI 06 21 40 27.6 41.28N 22.69E 4–0 3.8L,2.8
IDC VI 06 21 40 27.2–1.2 41.27N 22.61E 0 3.6,3.5
SOF VI 06 21 40 27.1 41.32N 22.72E 5 3.4,3.5
CSEM VI 06 21 40 27.3–.09 41.26N 22.67E 2 3.3L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=37.3.
ATH Error ellipse: s-maj=1.4km s-min=0.6km az=-1.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=207.0.
IDC Error ellipse: s-maj=20.2km s-min=16.1km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=41.0.
SKO VI 06 21 40 56.8 41.34N 22.68E 15 3.1L,2.6 ¶16595739
ISC VI 06 22 10 17.4–1.3 41.32N–.06 22.69E–.05 10–12 20 0-1
CSEM VI 06 22 10 16.9–.29 41.33N 22.66E 15 2.8 ¶14697077
ISCJB VI 06 22 10 17.2–1.5 41.33N–.08 22.70E–.06 7–13 2.8
SKO VI 06 22 10 17.2 41.29N 22.69E 12 1.3L,0.9
ATH VI 06 22 10 17.0 41.35N 22.65E 4 2.8,0.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.1km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=6.7km az=159.1.
ATH Error ellipse: s-maj=3.4km s-min=2.4km az=-1.0.
ISC VI 06 23 24 35.9–.82 41.31N–.02 22.74E–.02 10–6 63 0-3
ISCJB VI 06 23 24 35.9–.49 41.31N–.02 22.74E–.03 1–5 ¶14305727
SKO VI 06 23 24 35.7 41.32N 22.74E 15 1.2L,0.8
ATH VI 06 23 24 36.2 41.31N 22.74E 3–2 2.9,0.8
THE VI 06 23 24 36.1 41.32N 22.75E 10–0 2.0L,0.8
CSEM VI 06 23 24 36.1–.19 41.30N 22.74E 2 1.5L,0.8
BEO VI 06 23 24 37.7–.79 41.31N 22.62E 8–3 1.5L,0.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=24.9.
ATH Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=301.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=55.0.
BEO Event type ke.
ISC VI 06 23 48 37.1–.92 41.30N–.02 22.70E–.02 6–7 51 0-2
ISCJB VI 06 23 48 36.0–.79 41.27N–.03 22.77E–.04 4–6 ¶14697079
SKO VI 06 23 48 36.4 41.30N 22.68E 15 2.2L,1.8
ATH VI 06 23 48 36.8 41.30N 22.71E 20–2 2.9,1.8
CSEM VI 06 23 48 36.9–.22 41.26N 22.75E 5 1.9L,1.8
BEO VI 06 23 48 39.0–.55 41.36N 22.53E 0–3 1.9L,1.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=17.1.
ATH Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=82.0.
BEO Event type ke.
ISC VI 07 01 18 54.4–.91 41.29N–.02 22.68E–.02 4–7 75 0-2
SKO VI 07 01 18 53.4 41.30N 22.68E 15 1.9L,1.5 ¶14305766
CSEM VI 07 01 18 54.3–.13 41.28N 22.68E 0–1 1.7L,1.5
ATH VI 07 01 18 54.3 41.30N 22.69E 4 2.8,1.5
THE VI 07 01 18 54.2 41.28N 22.69E 0–1 1.9L,1.5
BEO VI 07 01 18 56.3–.96 41.32N 22.52E 0 1.7L,1.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=35.0.
ATH Error ellipse: s-maj=1.9km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=296.0.
BEO Event type ke.
ISC VI 07 04 51 41.5–.95 41.27N–.03 22.70E–.04 10–8 28 0-2
ISCJB VI 07 04 51 41.3–.83 41.22N–.03 22.73E–.05 3–7 ¶14697089
SKO VI 07 04 51 41.7 41.27N 22.71E 8 1.5L,1.2
CSEM VI 07 04 51 41.8–.20 41.23N 22.75E 4–2 1.6L,1.2
ATH VI 07 04 51 42.5 41.23N 22.74E 5 3.0,1.2
BEO VI 07 04 51 43.1–1.3 41.25N 22.58E 3–2 1.6L,1.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.3km az=147.1.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=52.0.

ATH Error ellipse: s-maj=3.2km s-min=1.5km az=-1.0.
BEO Event type ke.
ISC VI 07 08 37 34.4–.93 41.28N–.03 22.69E–.02 5–7 60 0-3
BEO VI 07 08 37 33.9–1.1 41.21N 22.55E 0 2.3L **¶14305771**
SKO VI 07 08 37 33.6 41.29N 22.70E 15 2.2L,1.6
THE VI 07 08 37 34.2 41.29N 22.69E 0–1 2.7L,1.6
CSEM VI 07 08 37 34.2–.14 41.29N 22.69E 2 2.7L,1.6
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=52.0.
ISC VI 07 09 48 05.0–1.3 41.22N–.06 22.67E–.06 11 11 0-1
CSEM VI 07 09 48 01.6–1.6 41.38N 22.62E 2 2.7 **¶14697093**
ISCJB VI 07 09 48 03.8–.93 41.24N–.07 22.74E–.07 11 2.7
SKO VI 07 09 48 04.9 41.27N 22.68E 2 0.9L,0.5
ATH VI 07 09 48 06.2 41.15N 22.73E 18 2.7,0.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=41.1km s-min=20.1km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=7.1km az=18.8.
ATH Error ellipse: s-maj=15.0km s-min=5.9km az=-1.0.
BEO VI 07 09 54 18.9–1.3 42.46N 21.22E 0 1.4L
CSEM VI 07 09 54 18.9–99 42.46N 21.22E 0 1.4L **¶14852084**
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BEO.
ISC VI 07 23 41 44.8–1.0 41.27N–.08 22.66E–.05 13–10 16 0-1
CSEM VI 07 23 41 44.9–.12 41.30N 22.68E 15 2.8 **¶14697107**
SKO VI 07 23 41 45.2 41.30N 22.68E 11 1.2L,0.7
ATH VI 07 23 41 46.2 41.24N 22.68E 15–5 2.8,0.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=2.0.
ATH Error ellipse: s-maj=1.6km s-min=0.8km az=-1.0.
ISC VI 07 23 52 28.1–.87 41.24N–.03 22.70E–.04 12–7 31 0-2
SKO VI 07 23 52 28.2 41.24N 22.72E 15 1.5L,1.3 **¶14697108**
ATH VI 07 23 52 29.2 41.27N 22.71E 3–2 2.9,1.3
CSEM VI 07 23 52 29.3–.09 41.26N 22.72E 2 1.6L,1.3
BEO VI 07 23 52 31.7–1.0 41.34N 22.61E 0 1.6L,1.3
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=55.0.
BEO Event type ke.
ISC VI 08 11 53 37.3–1.0 41.23N–.03 22.78E–.03 7–10 27 0-2
SKO VI 08 11 53 35.8 41.32N 22.76E 14 1.3L,1.2 **¶14697128**
CSEM VI 08 11 53 36.6–.16 41.26N 22.79E 6–1 2.8,1.2
BEO VI 08 11 53 38.7–1.7 41.26N 22.83E 0 1.6L,1.2
ATH VI 08 11 53 38.0 41.20N 22.79E 5 2.8,1.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=56.0.
BEO Event type ke.
ATH Error ellipse: s-maj=2.4km s-min=1.0km az=-1.0.
ISC VI 08 17 52 46.0–.82 41.30N–.02 22.68E–.02 8–5 118 0-4
ISCJB VI 08 17 52 44.9–.33 41.32N–.02 22.68E–.02 5–3 **¶14305826**
SKO VI 08 17 52 45.0 41.31N 22.69E 15 2.2L,1.7
CSEM VI 08 17 52 45.5–.13 41.30N 22.67E 5 2.5L,1.7
ATH VI 08 17 52 45.8 41.27N 22.70E 17–1 3.0,1.7
SOF VI 08 17 52 45.5 41.31N 22.70E 1 2.6,1.7
BEO VI 08 17 52 46.7–.65 41.31N 22.59E 2.5L,1.7
THE VI 08 17 52 46.0 41.29N 22.71E 3–1 2.5L,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=145.6.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=74.0.
ATH Error ellipse: s-maj=1.6km s-min=0.8km az=-1.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=205.0.
ISC VI 08 18 12 15.2–.87 41.30N–.02 22.68E–.03 9–6 63 0-2
ATH VI 08 18 12 13.6 41.32N 22.53E 5 2.9 **¶15155957**
ISCJB VI 08 18 12 14.9–.41 41.33N–.02 22.69E–.04 2–5 2.9
CSEM VI 08 18 12 15.2–.13 41.32N 22.69E 5 1.9L
SKO VI 08 18 12 15.2 41.31N 22.69E 10 1.8L,1.4
THE VI 08 18 12 15.8 41.31N 22.70E 2–2 2.0L,1.4
BEO VI 08 18 12 16.2–1.2 41.29N 22.62E 6–5 1.9L,1.4
ISC Event type ke.
ATH Error ellipse: s-maj=2.8km s-min=3.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=161.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=66.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=177.0.
BEO Event type ke.
ISC VI 08 19 59 43.9–1.1 42.32N–.02 18.72E–.02 3–9 86 0-4
ISCJB VI 08 19 59 42.8–.59 42.27N–.03 18.67E–.03 4–3 **¶13353107**
CSEM VI 08 19 59 43.1–.36 42.26N 18.69E 2 2.7L
PDG VI 08 19 59 43.3–.20 42.28N 18.70E 5–0 2.7L,2.7
BEO VI 08 19 59 45.7–.57 42.43N 18.73E 0 2.6L,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=32.2.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=31.0.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
BEO Event type ke.
ISC VI 08 20 59 44.2–.79 41.29N–.01 22.68E–.01 7–5 178 0-6
SOF VI 08 20 59 43.2 41.27N 22.67E 16 2.7 **¶14305836**
SKO VI 08 20 59 43.6 41.31N 22.68E 15 2.8L,2.0
THE VI 08 20 59 44.6 41.29N 22.70E 1–1 2.5L,2.0
BEO VI 08 20 59 44.1–.67 41.18N 22.59E 0 2.5L,2.0
CSEM VI 08 20 59 44.5–.08 41.27N 22.69E 2 2.8L,2.0
ATH VI 08 20 59 44.2 41.30N 22.70E 20–1 3.0,2.0
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=286.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=52.0.
ATH Error ellipse: s-maj=1.3km s-min=0.7km az=-1.0.
SKO VI 08 23 11 15.7 41.28N 22.69E 1 0.5L,0.2
¶15155962
ISC VI 09 16 08 47.6–1.0 41.30N–.02 22.69E–.03 7–9 33 0-2
ISCJB VI 09 16 08 46.7–.50 41.33N–.03 22.65E–.05 13–5 **¶14697144**
CSEM VI 09 16 08 46.8–.14 41.31N 22.70E 12 1.8L
ATH VI 09 16 08 47.2 41.32N 22.69E 12–9 2.8
SKO VI 09 16 08 47.2 41.30N 22.66E 12 1.9L,1.2
BEO VI 09 16 08 48.6–1.2 41.29N 22.58E 5–3 1.8L,1.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.8km az=7.3.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=75.0.
ATH Error ellipse: s-maj=1.9km s-min=0.8km az=-1.0.
BEO Event type ke.
ISC VI 09 23 56 43.8–1.4 41.27N–.06 22.71E–.07 14–14 15 0-1
CSEM VI 09 23 56 43.1–.38 41.30N 22.74E 17–1 3.4 **¶14697154**
SKO VI 09 23 56 44.1 41.28N 22.72E 11 1.1L,0.8
ATH VI 09 23 56 44.2 41.27N 22.76E 26–12 3.4,0.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=8.2km az=33.0.
ATH Error ellipse: s-maj=2.1km s-min=4.1km az=-1.0.
ISC VI 10 01 35 16.1–.89 41.28N–.02 22.68E–.02 7–6 54 0-2
SKO VI 10 01 35 15.5 41.30N 22.68E 11 1.5L,1.1 **¶14305897**
CSEM VI 10 01 35 15.5–.14 41.32N 22.69E 8 1.6L,1.1
ISCJB VI 10 01 35 15.2–.41 41.33N–.02 22.70E–.03 6–5 1.6L,1.1
ATH VI 10 01 35 16.5 41.24N 22.73E 4 3.2,1.1
THE VI 10 01 35 16.2 41.28N 22.69E 2–2 1.6L,1.1
BEO VI 10 01 35 16.4–1.2 41.27N 22.44E 0 1.4L,1.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=143.8.
ATH Error ellipse: s-maj=3.1km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.3km az=181.0.
BEO Event type ke.

ISC VI 10 12 47 25.9–.96 41.25N–.02 22.68E–.02 5–9 49 0-3
ISCJB VI 10 12 47 25.0–.52 41.29N–.03 22.67E–.04 13–5 **¶14697163**
SKO VI 10 12 47 25.8 41.30N 22.67E 10 2.2L,1.7
CSEM VI 10 12 47 25.5–.26 41.29N 22.72E 4–1 2.1L,1.7
ATH VI 10 12 47 26.4 41.22N 22.72E 18–1 3.3,1.7
BEO VI 10 12 47 27.8–.83 41.31N 22.58E 4–3 2.1L,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.7km az=41.6.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.1km az=54.0.
ATH Error ellipse: s-maj=2.0km s-min=1.1km az=-1.0.
BEO Event type ke.
LJU VI 11 01 50 51.4 45.98N 15.59E 8 0.2L
CSEM VI 11 01 50 51.4 45.98N 15.59E 0 0.2L **¶14703138**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
ISC VI 11 17 17 45.6–1.6 43.90N–.04 16.39E–.03 16–13 43 1-3
VIE VI 11 17 17 40.6–.82 43.63N 16.51E 8 2.3b,2.2L **¶14370723**
ROM VI 11 17 17 43.2–.15 43.82N 16.49E 10 2.5L,2.2L
BEO VI 11 17 17 44.8–1.5 43.95N 16.27E 10–7 2.4L,2.2L
CSEM VI 11 17 17 45.3–.28 43.92N 16.35E 15 2.4L,2.2L
ISC Event type ke.
VIE Error ellipse: s-maj=10.9km s-min=6.1km az=68.0. 13 km NNE of Split .
ROM Event type ke. Error ellipse: s-maj=4.7km s-min=0.5km az=135.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=5.8km az=163.0.
ISC VI 12 00 05 44.0–1.1 43.45N–.02 17.34E–.02 7–9 235 1-11
ISCJB VI 12 00 05 42.9–.45 43.50N–.02 17.30E–.02 1–3 **¶13077445**
SZGRF VI 12 00 05 42.0 43.01N 17.47E 10
PDG VI 12 00 05 44.1–.58 43.46N 17.35E 8–1 3.5L
VIE VI 12 00 05 44.4–.34 43.49N 17.47E 10 3.2L,3.2s
THE VI 12 00 05 44.0 43.59N 16.99E 36–32 3.3L,3.2s
CSEM VI 12 00 05 44.4–.13 43.47N 17.30E 2 3.5L,3.2s
LDG VI 12 00 05 44.4–.14 43.48N 17.36E 10 3.3L,3.2s
PRU VI 12 00 05 45.5 43.57N 17.49E 0 3.3L,3.2s
BEO VI 12 00 05 45.7–.58 43.49N 17.39E 6–4 3.2L,3.2s
TIR VI 12 00 05 53.4–3.0 43.48N 17.73E 0–808 3.2L,3.2s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=1.9km az=44.6.
SZGRF Northwestern Balkan Peninsula.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0.
VIE Error ellipse: s-maj=4.2km s-min=2.4km az=69.0. 81 km E of Split .
THE Event type ke. Error ellipse: s-maj=32.8km s-min=2.1km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.3km az=39.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=104.0.
BEO Event type ke.
TIR Error ellipse: s-maj=792.3km s-min=738.5km az=-1.0.
ISC VI 12 17 17 40.5–1.1 44.21N–.02 17.84E–.02 13–10 64 1-6
CSEM VI 12 17 17 43.3–.45 44.05N 17.97E 2 2.9L **¶13077459**
BEO VI 12 17 17 44.8–1.2 44.38N 18.04E 25–5 2.3L
PRU VI 12 17 17 45.3 45.20N 18.56E 0 2.3L
PDG VI 12 17 17 45.1–.50 43.99N 18.06E 0–11 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=7.5km az=179.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.8km s-min=2.6km az=0.0.
ISC VI 12 19 34 08.1–1.1 41.27N–.07 22.75E–.04 10–9 21 0-1
SKO VI 12 19 34 07.5 41.27N 22.72E 15 1.4L,1.1 **¶14697219**
ISCJB VI 12 19 34 08.5–.76 41.29N–.08 22.72E–.06 11–7 1.4L,1.1
ATH VI 12 19 34 09.6 41.21N 22.72E 21–7 2.8,1.1
CSEM VI 12 19 34 09.6 41.21N 22.72E 21 2.8,1.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=7.2km az=172.2.
ATH Error ellipse: s-maj=1.6km s-min=0.7km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 13 09 19 29.0–.84 41.28N–.02 22.74E–.02 9–6 78 0-3
ATH VI 13 09 19 28.9 41.25N 22.74E 26–1 3.0 **¶14306006**
SKO VI 13 09 19 28.4 41.28N 22.73E 15 2.2L,1.9
THE VI 13 09 19 29.2 41.28N 22.74E 2–1 2.7L,1.9
ISCJB VI 13 09 19 29.2–.40 41.25N–.02 22.75E–.03 9–3 2.7L,1.9
CSEM VI 13 09 19 29.0–.22 41.24N 22.74E 5 2.4L,1.9
BEO VI 13 09 19 30.5–.66 41.28N 22.69E 0 2.4L,1.9
ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=302.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=32.5.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=69.0.
BEO Event type ke.
ISC VI 13 10 41 36.5–1.2 41.33N–.08 22.65E–.05 12–8 18 0-1
SKO VI 13 10 41 36.2 41.34N 22.63E 15 1.5L,1.0 **¶14697239**
ATH VI 13 10 41 37.4 41.33N 22.69E 3 2.7,1.0
CSEM VI 13 10 41 37.4 41.33N 22.69E 3 2.7,1.0
ISC Event type ke.
ATH Error ellipse: s-maj=3.4km s-min=1.7km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 13 10 58 12.8–.89 41.32N–.01 22.67E–.01 4–6 266 0-42
SKO VI 13 10 58 11.4 41.33N 22.68E 15 3.1L,2.6 **¶13353227**
ATH VI 13 10 58 11.9 41.35N 22.68E 22–0 3.5,2.6
SOF VI 13 10 58 11.7 41.36N 22.68E 6 3.8,2.6
ISCJB VI 13 10 58 11.5–.35 41.32N–.01 22.69E–.02 0–3 3.7b,2.6
CSEM VI 13 10 58 12.4–.08 41.32N 22.69E 2 3.3L,2.6
THE VI 13 10 58 12.5 41.32N 22.68E 1–1 3.6L,2.6
PDG VI 13 10 58 12.3–.36 41.33N 22.69E 6–0 3.2L,2.6
BEO VI 13 10 58 12.2–.67 41.26N 22.58E 6–2 3.3L,2.6
IDC VI 13 10 58 12.0–1.4 41.27N 22.54E 0 3.8,3.7b
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=151.7.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=76.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=218.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
BEO Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=17.9km az=158.0.
ISC VI 13 11 34 47.4–1.2 41.34N–.05 22.67E–.04 4–11 22 0-2
SOF VI 13 11 34 46.8 41.33N 22.70E 7 2.7 **¶14785521**
SKO VI 13 11 34 46.5 41.29N 22.68E 15 1.9L,1.4
CSEM VI 13 11 34 47.2–.45 41.36N 22.64E 5 2.0L,1.4
BEO VI 13 11 34 49.0–1.2 41.36N 22.58E 0–0 2.0L,1.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.2km az=36.0.
BEO Event type ke.
ISC VI 13 12 29 08.5–.87 41.34N–.02 22.68E–.02 5–7 77 0-3
ISCJB VI 13 12 29 07.8–.41 41.34N–.02 22.68E–.03 8–3 **¶14306008**
SKO VI 13 12 29 07.4 41.28N 22.68E 15 1.7L,1.3
ATH VI 13 12 29 08.1 41.34N 22.67E 15–2 3.0,1.3
THE VI 13 12 29 08.2 41.33N 22.68E 6–1 2.5L,1.3
CSEM VI 13 12 29 08.0–.17 41.33N 22.68E 5 2.0L,1.3
BEO VI 13 12 29 10.0–.40 41.36N 22.60E 0 2.0L,1.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.5km az=17.4.
ATH Error ellipse: s-maj=1.8km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=203.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=83.0.
BEO Event type ke.
ISC VI 13 15 23 37.2–.85 41.34N–.02 22.68E–.02 7–6 76 0-3
ATH VI 13 15 23 36.5 41.37N 22.68E 23–2 3.2 **¶14306009**
SKO VI 13 15 23 36.9 41.34N 22.66E 12 2.0L,1.6
ISCJB VI 13 15 23 36.9–.44 41.33N–.02 22.68E–.03 8–3 2.0L,1.6
THE VI 13 15 23 37.5 41.33N 22.70E 4–1 2.4L,1.6
CSEM VI 13 15 23 37.2–.10 41.33N 22.68E 8 2.0L,1.6
BEO VI 13 15 23 38.1 41.32N 22.55E 8 2.0L,1.6
ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=1.4km az=-1.0.

ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=155.2.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=199.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=80.0.
BEO Event type ke.

ISC	**VI**	**13 16 30 35.0–1.1**	**41.25N–.06**	**22.69E–.03**	**9–11**		**18**	**0-1**
ISCJB	VI	13 16 30 33.5–1.6	41.22N–.10	22.79E–.08	5–17			**¶14697249**
CSEM	VI	13 16 30 35.3	41.25N	22.72E	16	2.9		
ATH	VI	13 16 30 35.3	41.25N	22.72E	16–9	2.9		
SKO	VI	13 16 30 35.4	41.30N	22.73E	1	1.4L,1.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=7.8km az=154.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=3.3km s-min=1.3km az=-1.0.

ISC	**VI**	**13 16 46 23.7–1.0**	**41.86N–.02**	**21.04E–.01**	**4–9**		**193**	**0-6**
ATH	VI	13 16 46 22.7	41.92N	21.07E	17–2	3.5		**¶13353228**
CSEM	VI	13 16 46 23.7–.09	41.88N	21.07E	2	3.0L		
THE	VI	13 16 46 23.6	41.87N	21.05E	1–1	3.0L		
PDG	VI	13 16 46 23.7–.34	41.86N	21.04E	12–0	3.2L		
SKO	VI	13 16 46 23.8	41.80N	21.08E	15	3.2L,2.9		
BEO	VI	13 16 46 24.2–.60	41.85N	21.04E	5–4	2.8L,2.9		

ISC Event type ke.
ATH Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=53.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=241.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.5km az=0.0.
BEO Event type ke.

SKO	**VI**	**13 18 28 01.7**	**41.29N**	**22.77E**	**1**	**1.0L,0.9**		
								¶15156090
ISC	**VI**	**13 19 41 37.4–.84**	**41.27N–.02**	**22.76E–.02**	**10–6**		**67**	**0-2**
SOF	VI	13 19 41 36.9	41.26N	22.78E	12	2.7		**¶14306011**
ISCJB	VI	13 19 41 37.0–.42	41.29N–.02	22.77E–.03	9–3	2.7		
THE	VI	13 19 41 37.7	41.28N	22.78E	3–1	2.0L		
ATH	VI	13 19 41 37.0	41.28N	22.77E	21–4	3.1		
CSEM	VI	13 19 41 37.4–.17	41.27N	22.75E	8	1.5L		
SKO	VI	13 19 41 37.4	41.29N	22.77E	12	1.3L,1.2		
BEO	VI	13 19 41 39.3–.75	41.30N	22.74E	0	1.5L,1.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=159.7.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=214.0.
ATH Error ellipse: s-maj=1.9km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=69.0.
BEO Event type ke.

ISC	**VI**	**13 21 25 27.7–1.3**	**41.37N–.10**	**22.76E–.09**	**11–14**		**18**	**0-1**
ISCJB	VI	13 21 25 27.4–1.8	41.30N–.10	22.8E–.10	4–21			**¶14697253**
ATH	VI	13 21 25 28.8	41.30N	22.74E	27–1	3.0		
SKO	VI	13 21 25 28.3	41.29N	22.66E	15	1.5L,1.1		
CSEM	VI	13 21 25 28.8	41.30N	22.74E	27	3.0,1.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=11.9km az=142.0.
ATH Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**VI**	**14 04 23 30.3–.83**	**41.27N–.03**	**22.67E–.03**	**10–6**		**44**	**0-3**
ISCJB	VI	14 04 23 29.8–.58	41.29N–.04	22.71E–.04	13–5			**¶14697271**
BEO	VI	14 04 23 30.7–.96	41.24N	22.57E	6–2	2.0L		
SKO	VI	14 04 23 30.1	41.29N	22.64E	15	1.8L,1.4		
CSEM	VI	14 04 23 30.0–.19	41.27N	22.71E	8	2.0L,1.4		
ATH	VI	14 04 23 31.1	41.26N	22.74E	36–4	3.0,1.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.1km az=148.7.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=64.0.
ATH Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0.

ISC	**VI**	**14 04 52 05.4–1.0**	**41.27N–.06**	**22.73E–.05**	**11–10**		**18**	**0-1**
ISCJB	VI	14 04 52 05.2–.94	41.22N–.05	22.73E–.08	2–13			**¶14697272**
SKO	VI	14 04 52 05.2	41.26N	22.67E	15	1.5L,1.2		
ATH	VI	14 04 52 06.3	41.23N	22.74E	5	2.9,1.2		
CSEM	VI	14 04 52 06.3	41.23N	22.74E	5	2.9,1.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.8km az=142.1.
ATH Error ellipse: s-maj=2.7km s-min=1.5km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**VI**	**14 10 36 21.3–2.1**	**41.3N–.20**	**22.66E–.07**	**15–19**		**18**	**0-2**
ATH	VI	14 10 36 20.7	41.31N	22.64E	28–2	2.8		**¶14697281**
CSEM	VI	14 10 36 20.7	41.31N	22.64E	28	2.8		
SKO	VI	14 10 36 21.8	41.29N	22.70E	8	1.1L		

ISC Event type ke.
ATH Error ellipse: s-maj=3.7km s-min=2.4km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**VI**	**15 09 50 18.1–.94**	**41.33N–.04**	**22.72E–.03**	**11–7**		**50**	**0-1**
CSEM	VI	15 09 50 17.8–.19	41.33N	22.70E	10	2.1L		**¶14306073**
ISCJB	VI	15 09 50 18.1–.76	41.33N–.05	22.72E–.04	8–4	2.1L		
ATH	VI	15 09 50 18.2	41.34N	22.72E	4	3.0		
SKO	VI	15 09 50 18.2	41.32N	22.70E	11	1.8L,1.5		
THE	VI	15 09 50 18.5	41.31N	22.72E	10–0	2.1L,1.5		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.6km az=176.9.
ATH Error ellipse: s-maj=1.3km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=328.0.

ISC	**VI**	**15 09 56 44.8–.84**	**41.30N–.02**	**22.74E–.01**	**8–6**	**3.5b**	**268**	**0-71**
IDC	VI	15 09 56 43.4–1.1	41.15N	22.81E	0	3.7,3.7b		**¶13353229**
SKO	VI	15 09 56 43.6	41.31N	22.69E	19	3.7L,3.0		
ISCJB	VI	15 09 56 44.0–.33	41.32N–.01	22.76E–.02	7–2	3.6b,3.0		
THE	VI	15 09 56 44.8	41.30N	22.73E	7–0	3.8L,3.0		
ATH	VI	15 09 56 44.0	41.32N	22.71E	19–0	3.6,3.0		
CSEM	VI	15 09 56 44.4–.09	41.30N	22.74E	5	3.8L,3.0		
PDG	VI	15 09 56 44.3–.74	41.31N	22.77E	14–1	3.2L,3.0		
SOF	VI	15 09 56 44.0	41.31N	22.76E	5	3.9,3.0		
TIR	VI	15 09 56 46.6–3.0	41.27N	22.65E	7–12	3.9L,3.0		

ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=15.7km az=145.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=22.6.
THE Event type ke. Error ellipse: s-maj=0.4km s-min=0.3km az=12.0.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=30.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0.
TIR Error ellipse: s-maj=16.2km s-min=26.7km az=-1.0.

ISC	**VI**	**15 10 00 22.9–.85**	**41.34N–.03**	**22.73E–.02**	**11–6**		**74**	**0-2**
CSEM	VI	15 10 00 22.7–.15	41.34N	22.71E	8	2.7L		**¶14306074**
SKO	VI	15 10 00 22.7	41.32N	22.72E	15	2.5L,2.1		
ISCJB	VI	15 10 00 22.8–.58	41.34N–.03	22.73E–.03	11–3	2.5L,2.1		
ATH	VI	15 10 00 22.7	41.33N	22.72E	22–2	2.8,2.1		
SOF	VI	15 10 00 22.7	41.30N	22.70E	16	2.9,2.1		
THE	VI	15 10 00 23.5	41.31N	22.72E	7–0	2.7L,2.1		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=167.7.
ATH Error ellipse: s-maj=2.0km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=317.0.

ISC	**VI**	**15 11 24 58.0–1.1**	**41.34N–.05**	**22.70E–.03**	**15–8**		**24**	**0-1**
ISCJB	VI	15 11 24 57.3–.88	41.33N–.10	22.74E–.08	14–9			**¶14697311**
SKO	VI	15 11 24 58.0	41.32N	22.70E	15	2.3L,2.0		
ATH	VI	15 11 24 58.1	41.32N	22.70E	17–7	2.7,2.0		
CSEM	VI	15 11 24 58.1	41.32N	22.70E	17	2.7,2.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=7.3km az=157.3.
ATH Error ellipse: s-maj=2.5km s-min=1.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**VI**	**16 02 22 38.1–.91**	**41.26N–.02**	**22.75E–.02**	**6–7**		**83**	**0-3**
SKO	VI	16 02 22 37.3	41.28N	22.72E	15	1.7L,1.3		**¶14306121**
SOF	VI	16 02 22 37.7	41.32N	22.76E	2	2.5,1.3		
ISCJB	VI	16 02 22 37.6–.39	41.28N–.02	22.73E–.02	1–4	2.5,1.3		
ATH	VI	16 02 22 38.4	41.26N	22.76E	6–3	2.6,1.3		
CSEM	VI	16 02 22 38.1–.18	41.27N	22.75E	2	2.3L,1.3		
BEO	VI	16 02 22 38.7–1.1	41.23N	22.69E	0	2.0L,1.3		
THE	VI	16 02 22 38.1	41.28N	22.73E	2–1	2.3L,1.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=16.0.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.6km az=109.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=353.0.

ISC	**VI**	**16 20 51 17.3–.86**	**41.31N–.04**	**22.66E–.02**	**8–6**		**58**	**0-2**
ISCJB	VI	16 20 51 16.9–.66	41.32N–.04	22.67E–.04	11–3			**¶14306144**
CSEM	VI	16 20 51 16.6–.22	41.35N	22.65E	9–0	1.8L		
SKO	VI	16 20 51 16.6	41.29N	22.62E	15	1.7L,1.0		
THE	VI	16 20 51 17.9	41.29N	22.69E	2–2	1.8L,1.0		
ATH	VI	16 20 51 17.4	41.31N	22.67E	22–2	3.0,1.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.9km az=168.6.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=168.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=277.0.
ATH Error ellipse: s-maj=1.2km s-min=0.5km az=-1.0.

SKO	**VI**	**17 04 29 23.3**	**41.31N**	**22.66E**	**15**	**1.3L,0.8**		
								¶15156187
ISC	**VI**	**17 14 52 36.1–1.4**	**41.26N–.06**	**22.70E–.03**	**18–4**		**16**	**0-1**
ATH	VI	17 14 52 35.9	41.26N	22.70E	19–2	2.8		**¶14697338**
SKO	VI	17 14 52 35.5	41.29N	22.68E	10	1.5L,1.0		
CSEM	VI	17 14 52 35.9	41.26N	22.70E	19	2.8,1.0		

ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=0.4km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**VI**	**19 04 15 56.5–.80**	**41.29N–.02**	**22.73E–.02**	**10–5**		**132**	**0-5**
SKO	VI	19 04 15 55.8	41.30N	22.71E	15	2.9L,2.5		**¶14306255**
ISCJB	VI	19 04 15 55.8–.33	41.30N–.02	22.74E–.02	7–3	2.9L,2.5		
BEO	VI	19 04 15 56.1–.72	41.23N	22.72E	4–2	3.0L,2.5		
CSEM	VI	19 04 15 56.1–.18	41.25N	22.73E	8	3.2L,2.5		
ATH	VI	19 04 15 56.0	41.28N	22.73E	23–1	3.7,2.5		
THE	VI	19 04 15 56.2	41.31N	22.74E	0–1	3.2L,2.5		
SOF	VI	19 04 15 57.7	41.34N	22.86E	10	3.3,2.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=137.8.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=4.0km az=98.0.
ATH Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=341.0.

ISC	**VI**	**19 04 49 01.6–.82**	**41.30N–.02**	**22.72E–.02**	**10–6**		**71**	**0-5**
ISCJB	VI	19 04 49 01.0–.39	41.31N–.02	22.72E–.03	8–3			**¶14306256**
SKO	VI	19 04 49 00.9	41.31N	22.72E	15	2.4L,2.0		
ATH	VI	19 04 49 01.5	41.25N	22.75E	22–1	3.6,2.0		
THE	VI	19 04 49 01.7	41.30N	22.74E	0–1	2.8L,2.0		
CSEM	VI	19 04 49 01.2–.14	41.32N	22.73E	2	2.3L,2.0		
BEO	VI	19 04 49 03.0–.38	41.35N	22.59E	8–3	2.3L,2.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=154.9.
ATH Error ellipse: s-maj=2.6km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=70.0.
BEO Event type ke.

ISC	**VI**	**19 22 50 04.3–.86**	**41.34N–.02**	**22.68E–.02**	**7–6**		**83**	**0-2**
ATH	VI	19 22 50 04.5	41.32N	22.70E	18–2	3.3		**¶14306277**
THE	VI	19 22 50 04.8	41.32N	22.68E	0–1	2.0L		
SKO	VI	19 22 50 04.2	41.34N	22.66E	10	1.4L,1.1		
CSEM	VI	19 22 50 04.3–.16	41.35N	22.67E	8	1.7L,1.1		
ISCJB	VI	19 22 50 04.0–.40	41.36N–.02	22.67E–.03	9–3	1.7L,1.1		
SOF	VI	19 22 50 05.9	41.37N	22.80E	10	2.5,1.1		
BEO	VI	19 22 50 06.2–.39	41.36N	22.60E	0	1.7L,1.1		

ISC Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=329.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=23.4.
BEO Event type ke.

SKO	**VI**	**20 10 16 35.7**	**41.27N**	**22.71E**	**4**	**0.7L,0.3**		
								¶15156234
ISC	**VI**	**20 13 30 37.6–.81**	**41.29N–.02**	**22.67E–.02**	**11–5**		**65**	**0-2**
THE	VI	20 13 30 37.9	41.31N	22.72E	0–1	2.3L		**¶14306312**
ISCJB	VI	20 13 30 37.5–.42	41.30N–.02	22.70E–.04	12–3	2.3L		
ATH	VI	20 13 30 37.5	41.27N	22.71E	25–1	2.9		
SKO	VI	20 13 30 37.3	41.32N	22.70E	15	1.9L,1.6		
CSEM	VI	20 13 30 37.6–.17	41.29N	22.72E	8	1.9L,1.6		
BEO	VI	20 13 30 39.1–.79	41.32N	22.62E	5–3	1.9L,1.6		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=12.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=179.7.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=85.0.
BEO Event type ke.

ISC	**VI**	**21 01 17 27.0–1.0**	**41.79N–.02**	**22.62E–.03**	**8–10**		**55**	**0-3**
SKO	VI	21 01 17 26.3	41.75N	22.60E	28	2.5L,2.1		**¶14306345**
CSEM	VI	21 01 17 26.9–.11	41.79N	22.62E	5	1.9L,2.1		
THE	VI	21 01 17 28.0	41.74N	22.66E	5–0	1.9L,2.1		
BEO	VI	21 01 17 28.2–.39	41.78N	22.64E	0	1.9L,2.1		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=84.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=150.0.
BEO Event type ke.

ISC	**VI**	**21 10 44 10.5–.89**	**41.29N–.02**	**22.70E–.02**	**6–8**		**80**	**0-3**
ISCJB	VI	21 10 44 09.8–.40	41.29N–.02	22.69E–.03	2–4			**¶14306354**
SKO	VI	21 10 44 09.8	41.30N	22.70E	15	2.2L,1.8		
THE	VI	21 10 44 10.8	41.28N	22.71E	2–1	2.2L,1.8		
ATH	VI	21 10 44 10.6	41.28N	22.72E	7–1	3.0,1.8		
BEO	VI	21 10 44 10.5–1.1	41.27N	22.65E	6–3	2.1L,1.8		
CSEM	VI	21 10 44 10.2–.15	41.29N	22.68E	0–0	2.1L,1.8		
SOF	VI	21 10 44 10.6	41.32N	22.74E	2	2.6,1.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=139.6.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=204.0.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=61.0.

ISC	**VI**	**21 10 54 38.3–.97**	**44.24N–.02**	**15.40E–.02**	**20–5**		**573**	**0-46**
CSEM	VI	21 10 54 36.9–.09	44.23N	15.36E	2	4.4L		**¶13208530**
ROM	VI	21 10 54 37.3–.25	44.23N	15.42E	9–2	3.8L		
PDG	VI	21 10 54 37.1–.36	44.19N	15.39E	11–1	3.9L		
IDC	VI	21 10 54 37.3–1.8	44.37N	15.60E	0	3.7,3.6		
BGR	VI	21 10 54 38.3–.65	44.09N	15.31E	10	4.0L,3.6		
BEO	VI	21 10 54 38.6–.78	44.32N	15.41E	8–4	3.9L,3.6		
SZGRF	VI	21 10 54 38.3	44.09N	15.31E	10	4.0b,3.6		
ISCJB	VI	21 10 54 38.1–.42	44.30N–.01	15.42E–.01	24–4	3.6b,3.6		
LDG	VI	21 10 54 38.3–.08	44.26N	15.50E	10	4.0L,3.6		
VIE	VI	21 10 54 38.7–.56	44.32N	15.44E	6	3.9L,3.4b		
PRU	VI	21 10 54 39.0	44.35N	15.51E	3	3.9L,3.4b		
STR	VI	21 10 54 48.4–.91	44.62N	14.43E	10	4.0L,3.4b		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=9.0.
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=1.2km az=157.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=0.0.
IDC Error ellipse: s-maj=26.1km s-min=17.9km az=74.0.
BGR Event type ke. Error ellipse: s-maj=14.5km s-min=11.1km az=73.0.
BEO Event type ke.
SZGRF Northwestern Balkan Peninsula.

ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=14.9.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=21.0.
VIE Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=155.0.
STR Event type ke.

ISC	**VI**	**21 11 20 04.4–.42**	**43.47N–.01**	**17.26E–.02**	**17–2**	**4.5b,4.1s**	**1361**	**1-135**
BJI	VI	21 11 19 59.4	43.98N	16.57E	11	4.9s,4.9b		¶13202281
IDC	VI	21 11 20 01.0–.50	43.40N	17.43E	0	4.6L,4.4		
SZGRF	VI	21 11 20 01.5	43.23N	17.74E	10	5.2b,4.4		
PDG	VI	21 11 20 03.0–1.1	43.46N	17.30E	7–2	4.5L,4.5		
THE	VI	21 11 20 03.9	43.56N	17.10E	26–6	4.4L,4.5		
ROM	VI	21 11 20 03.0–.30	43.39N	17.34E	6–2	4.8L,4.5		
ISCJB	VI	21 11 20 03.3–.09	43.487N–.01	17.27E–.01	16	4.4b,4.0s		
NEIC	VI	21 11 20 03.5–.21	43.43N	17.27E	10	4.6b,4.0s		
MOS	VI	21 11 20 03.5–1.1	43.46N	17.19E	27	4.7b,4.0s		
PRU	VI	21 11 20 03.3	43.49N	17.20E	0	4.6,4.0s		
BEO	VI	21 11 20 04.5–.40	43.49N	17.33E	3–3	4.5L,4.0s		
CSEM	VI	21 11 20 04.8–.07	43.48N	17.28E	15	5.3L,5.0s		
VIE	VI	21 11 20 04.0–.39	43.46N	17.45E	10	5.0s,5.0L		
TIR	VI	21 11 20 05.6	42.91N	17.36E	0	5.0s,5.0L		
LDG	VI	21 11 20 05.7–.10	43.44N	17.33E	30	5.1L,5.0L		
PDA	VI	21 11 20 05.0	43.43N	17.24E	10	4.6b,5.0L		
STR	VI	21 11 20 15.8–3.7	43.78N	16.19E	10	5.1L,5.0L		

ISC Event type fe.
IDC Error ellipse: s-maj=12.6km s-min=10.9km az=79.0.
SZGRF Northwestern Balkan Peninsula.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
THE Event type ke. Error ellipse: s-maj=7.5km s-min=1.4km az=295.0.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=1.3km s-min=1.1km az=44.5.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=190.0. Felt [III] at Split. Also felt at Bol, Dubrovnik, Jasenice, Makarska, Postire, Solin and Trogir. Felt [II] at Sarajevo, Bosnia and Herzegovina. Also felt at Mostar and Visoko.
MOS Error ellipse: s-maj=3.5km s-min=2.6km az=108.4.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=30.0.
VIE Event type ke. Error ellipse: s-maj=5.5km s-min=3.3km az=79.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=21.0.
STR Event type ke.

ISC	**VI**	**22 05 06 39.4–1.3**	**43.38N–.05**	**17.22E–.05**	**0–14**		**26**	**1-3**
BEO	VI	22 05 06 38.1–.83	43.36N	17.03E	0	2.5L		¶14853230
CSEM	VI	22 05 06 40.2–.34	43.29N	17.18E	2	2.5L		

ISC Event type ke.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=5.4km az=34.0.

LJU	**VI**	**22 22 00 50.9**	**45.90N**	**15.49E**	**4**	**0.2L**		
CSEM	VI	22 22 00 50.8	45.90N	15.49E	0	0.2L		¶14703205

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.

ISC	**VI**	**23 03 52 37.4–.86**	**41.30N–.02**	**22.73E–.02**	**8–6**		**83**	**0-3**
ISCJB	VI	23 03 52 36.4–.41	41.34N–.02	22.71E–.03	11–4			¶14306409
CSEM	VI	23 03 52 36.9–.17	41.30N	22.74E	8	2.2L		
ATH	VI	23 03 52 36.6	41.32N	22.71E	15–4	2.7		
THE	VI	23 03 52 37.4	41.30N	22.75E	2–1	2.4L		
SKO	VI	23 03 52 37.1	41.30N	22.75E	3	2.3L,2.0		
SOF	VI	23 03 52 37.0	41.32N	22.75E	5	2.5,2.0		
BEO	VI	23 03 52 39.4–.43	41.35N	22.65E	0	2.2L,2.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=18.9.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=64.0.
ATH Error ellipse: s-maj=2.7km s-min=1.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=214.0.
BEO Event type ke.

LJU	**VI**	**23 08 58 45.2**	**45.89N**	**15.03E**	**16**	**0.6L**		
								¶14703211

ISC	**VI**	**23 23 34 43.6–1.1**	**41.26N–.05**	**22.71E–.03**	**8**		**16**	**0-1**
ISCJB	VI	23 23 34 42.6–.79	41.28N–.07	22.79E–.05	8			¶14697469
ATH	VI	23 23 34 43.5	41.27N	22.71E	30–4	3.0		
SKO	VI	23 23 34 43.5	41.32N	22.71E	15	1.0L,0.7		
CSEM	VI	23 23 34 43.5	41.27N	22.71E	30	3.0,0.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.2km az=4.8.
ATH Error ellipse: s-maj=5.5km s-min=2.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**VI**	**24 00 28 23.0–.97**	**41.28N–.02**	**22.74E–.02**	**4–9**		**79**	**0-3**
SKO	VI	24 00 28 22.3	41.28N	22.74E	10	1.9L,1.4		¶14306455
ATH	VI	24 00 28 22.8	41.25N	22.76E	16–1	3.2,1.4		
THE	VI	24 00 28 22.9	41.28N	22.74E	3–2	2.3L,1.4		
SOF	VI	24 00 28 22.6	41.30N	22.76E	2	2.5,1.4		
CSEM	VI	24 00 28 22.7–.17	41.27N	22.72E	2	1.6L,1.4		
ISCJB	VI	24 00 28 22.2–.40	41.29N–.02	22.72E–.03	4–4	1.6L,1.4		
BEO	VI	24 00 28 24.6–.56	41.33N	22.64E	3–3	1.6L,1.4		

ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=218.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=6.1.
BEO Event type ke.

ISC	**VI**	**24 01 51 45.3–1.1**	**41.06N–.02**	**21.42E–.02**	**1–10**		**42**	**0-3**
TIR	VI	24 01 51 42.6–2.8	41.06N	21.42E	7–816			¶14697475
ISCJB	VI	24 01 51 45.4–.42	41.05N–.03	21.40E–.04	7–5			
SKO	VI	24 01 51 45.8	41.03N	21.31E	15	2.2L,1.7		
ATH	VI	24 01 51 46.4	40.99N	21.37E	4	3.0,1.7		
CSEM	VI	24 01 51 46.2–.37	41.05N	21.47E	8	3.0,1.7		
BEO	VI	24 01 51 47.3–.58	41.11N	21.52E	10–3	1.9L,1.7		

ISC Event type ke.
TIR Error ellipse: s-maj=6.9km s-min=14.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.4km az=33.8.
ATH Error ellipse: s-maj=3.7km s-min=3.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=7.3km az=73.0.
BEO Event type ke.

ATH	**VI**	**24 20 43 48.8**	**41.19N**	**22.72E**	**27–10**	**2.5**		
SKO	VI	24 20 43 47.7	41.31N	22.72E	15	1.1L,0.8		¶14697489
CSEM	VI	24 20 43 48.8	41.19N	22.72E	27	2.5,0.8		

ATH Error ellipse: s-maj=13.1km s-min=2.7km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**VI**	**27 00 07 07.4–.94**	**41.30N–.02**	**22.70E–.02**	**5–9**		**53**	**0-2**
SKO	VI	27 00 07 06.9	41.32N	22.71E	10	1.6L,1.3		¶14306647
ISCJB	VI	27 00 07 06.6–.40	41.32N–.02	22.71E–.03	10–4	1.6L,1.3		
ATH	VI	27 00 07 06.6	41.33N	22.70E	19–4	2.8,1.3		
CSEM	VI	27 00 07 07.2–.21	41.27N	22.71E	5	1.6L,1.3		
THE	VI	27 00 07 07.2	41.32N	22.71E	3–6	2.0L,1.3		
BEO	VI	27 00 07 08.7–.65	41.30N	22.67E	0	1.6L,1.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=26.8.
ATH Error ellipse: s-maj=2.7km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=76.0.
THE Event type ke. Error ellipse: s-maj=6.1km s-min=0.4km az=305.0.
BEO Event type ke.

ISC	**VI**	**27 17 01 41.2–.89**	**41.27N–.02**	**22.67E–.02**	**5–7**		**73**	**0-3**
SKO	VI	27 17 01 40.4	41.24N	22.68E	15	2.2L,1.8		¶14306713
ISCJB	VI	27 17 01 41.0–.42	41.24N–.02	22.67E–.03	3–3	2.2L,1.8		
CSEM	VI	27 17 01 41.3–.22	41.23N	22.65E	2	2.2L,1.8		
THE	VI	27 17 01 41.0	41.32N	22.68E	9–1	2.2L,1.8		
ATH	VI	27 17 01 41.1	41.30N	22.70E	21–1	3.1,1.8		
BEO	VI	27 17 01 41.3–.68	41.19N	22.63E	0	2.4L,1.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=38.1.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.8km az=51.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=227.0.
ATH Error ellipse: s-maj=1.0km s-min=0.4km az=-1.0.
BEO Event type ke.

ISC	**VI**	**27 22 42 53.5–.85**	**41.30N–.02**	**22.67E–.02**	**7–6**		**51**	**0-2**
SKO	VI	27 22 42 52.5	41.27N	22.68E	15	1.9L,1.4		¶14306722
THE	VI	27 22 42 53.3	41.31N	22.67E	8–2	1.6L,1.4		
ATH	VI	27 22 42 53.6	41.34N	22.70E	7–3	2.9,1.4		
CSEM	VI	27 22 42 53.5–.22	41.31N	22.69E	2	1.7L,1.4		
BEO	VI	27 22 42 55.4–.52	41.33N	22.63E	0	1.7L,1.4		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.4km az=292.0.
ATH Error ellipse: s-maj=1.6km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=74.0.
BEO Event type ke.

LJU	**VI**	**28 12 35 07.6**	**46.00N**	**14.32E**	**6**	**0.2L**		
CSEM	VI	28 12 35 07.6–99	46.00N	14.32E	0	0.2L		¶14703230

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.

ISC	**VI**	**29 03 44 42.3–.00**	**41.28N–.02**	**22.69E–.02**	**3–9**		**55**	**0-2**
SKO	VI	29 03 44 41.1	41.24N	22.69E	15	1.6L,1.1		¶14306798
ISCJB	VI	29 03 44 42.3–.47	41.27N–.02	22.70E–.03	6–4	1.6L,1.1		
THE	VI	29 03 44 42.4	41.30N	22.69E	5–1	1.8L,1.1		
ATH	VI	29 03 44 42.2	41.39N	22.72E	38	2.9,1.1		
CSEM	VI	29 03 44 42.1–.16	41.26N	22.68E	5	1.7L,1.1		
BEO	VI	29 03 44 43.9–1.2	41.29N	22.53E	0	1.7L,1.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=139.9.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=199.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=57.0.
BEO Event type ke.

ISC	**VI**	**30 01 49 09.8–1.0**	**45.24N–.03**	**14.61E–.03**	**8–9**		**59**	**0-2**
VIE	VI	30 01 49 08.3–.39	45.19N	14.61E	10–1	2.2L,1.7b		¶14370838
ISCJB	VI	30 01 49 09.4–.49	45.24N–.02	14.61E–.04	5–6	2.2L,1.7b		
CSEM	VI	30 01 49 09.4–.20	45.25N	14.61E	15	2.7,1.7b		

ISC Event type ke.
VIE Error ellipse: s-maj=2.5km s-min=1.3km az=178.0. 23 km SE of Rijeka .
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=140.8.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=50.0.

ISC	**VI**	**30 06 45 05.4–1.2**	**41.32N–.03**	**22.67E–.02**	**1–11**		**60**	**0-2**
SKO	VI	30 06 45 02.1	41.19N	22.52E	15	1.7L,1.0		¶14306875
CSEM	VI	30 06 45 04.8–.15	41.32N	22.68E	2	1.7L,1.0		
THE	VI	30 06 45 05.2	41.31N	22.68E	2–3	1.9L,1.0		
ATH	VI	30 06 45 06.9	41.27N	22.67E	14–5	2.8,1.0		
BEO	VI	30 06 45 06.3–1.1	41.32N	22.51E	0	1.7L,1.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=124.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.5km az=187.0.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.
BEO Event type ke.

CSEM	**VI**	**30 07 00 47.3–.15**	**45.23N**	**14.58E**	**15**	**2.4L**		
VIE	VI	30 07 00 48.0–.37	45.25N	14.62E	9–1	2.3L,1.5b		¶14370839

CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=62.0.
VIE Error ellipse: s-maj=2.4km s-min=1.0km az=0.0. 19 km ESE of Rijeka .

(384) West of Gibraltar.

ISC	**I**	**15 10 03 34.9–2.4**	**36.95N–.09**	**9.63W–.10**	**10**		**122**	**1-6**
INMG	I	15 10 03 37.8–1.0	36.84N	9.64W	23–9	2.1L		¶12081324
CSEM	I	15 10 03 37.8–.27	36.94N	9.62W	30	2.1L		
MDD	I	15 10 03 37.2–1.4	36.83N	9.72W	45–28	3.9b		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=8.0km s-min=3.3km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=40.0.
MDD Error ellipse: s-maj=13.4km s-min=10.0km az=63.0. PRXIMO.

ISC	**II**	**03 10 25 20.8–3.2**	**36.3N–.10**	**9.6W–.10**	**20–11**		**62**	**1-4**
MDD	II	03 10 25 22.0–2.0	36.28N	9.61W	14–13	3.6b,1.9		¶12082914
INMG	II	03 10 25 22.3–1.7	36.16N	9.66W	55–43	2.1L,1.9		
CSEM	II	03 10 25 22.8–.54	36.27N	9.56W	64–9	1.9L,1.9		

ISC Event type ke.
MDD Error ellipse: s-maj=18.6km s-min=16.6km az=122.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=12.1km s-min=8.9km az=92.0.
CSEM Event type ke. Error ellipse: s-maj=12.1km s-min=9.4km az=47.0.

ISC	**II**	**10 08 00 38.7–.97**	**36.40N–.04**	**9.68W–.04**	**10**		**287**	**1-14**
ISCJB	II	10 08 00 38.8–.44	36.40N–.02	9.54W–.04	10			¶11670607
MDD	II	10 08 00 42.1–.73	36.32N	9.74W	30	3.4		
LDG	II	10 08 00 42.5–.18	36.33N	9.73W	20	3.8L		
IGIL	II	10 08 00 42.9	36.40N	9.67W	15	3.4L		
INMG	II	10 08 00 43.1–1.9	36.41N	9.66W	16–6	3.2L,2.8		
CSEM	II	10 08 00 44.0–.32	36.55N	9.48W	20	4.2L,2.8		
CNRM	II	10 08 00 46.5	36.15N	9.29W	34	3.5,2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=170.3.
MDD Error ellipse: s-maj=8.0km s-min=5.2km az=87.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=42.0.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=48.0.

ISC	**IV**	**17 01 09 48.8–1.8**	**36.52N–.07**	**8.05W–.03**	**24–13**		**86**	**1-3**
CSEM	IV	17 01 09 51.1–.27	36.57N	8.05W	40	1.2L		¶12754031
INMG	IV	17 01 09 51.7–.84	36.53N	8.11W	31	1.2L		
IGIL	IV	17 01 09 51.2	36.54N	8.12W	21	1.4L		
MDD	IV	17 01 09 51.2–1.2	36.52N	8.08W	40–26	3.8b		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=16.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=11.0.
MDD Error ellipse: s-maj=11.3km s-min=7.3km az=15.0. PRXIMO.

ISC	**IV**	**22 04 12 13.6–1.7**	**36.46N–.05**	**8.04W–.03**	**2–10**		**167**	**1-9**
LDG	IV	22 04 12 16.6–.55	36.58N	7.98W	10	2.7L		¶12757318
MDD	IV	22 04 12 16.1–1.2	36.18N	8.24W	41–35	3.7b		
INMG	IV	22 04 12 17.4–.84	36.22N	8.26W	31	1.9L		
CSEM	IV	22 04 12 17.5–.28	36.36N	8.10W	30	1.9L		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=11.0km s-min=6.3km az=22.0.
MDD Error ellipse: s-maj=12.2km s-min=6.9km az=35.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=37.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.3km az=28.0.

ISC	**IV**	**22 13 54 10.4–3.8**	**35.0N–.20**	**9.6W–.10**	**10**		**80**	**2-11**
LDG	IV	22 13 54 12.3–.44	34.94N	9.61W	2	3.2L		¶12757320
MDD	IV	22 13 54 12.3–2.1	35.03N	9.62W	0	4.0b		
INMG	IV	22 13 54 13.4–1.2	34.83N	9.73W	31	2.1L		
CSEM	IV	22 13 54 13.4–.50	35.11N	9.54W	10	4.0b		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=10.1km s-min=7.5km az=106.0.
MDD Error ellipse: s-maj=21.2km s-min=18.1km az=112.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=9.2km s-min=6.5km az=107.0.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=9.0km az=92.0.

ISC	**V**	**22 23 58 02.7–1.2**	**36.84N–.04**	**9.69W–.05**	**10**		**331**	**1-12**
ISCJB	V	22 23 58 02.1–.42	36.81N–.02	9.66W–.03	10			¶12867590
CSEM	V	22 23 58 05.7–.13	36.78N	9.78W	40	4.5L		
SFS	V	22 23 58 06.0	36.84N	9.74W	24	3.8L		
MDD	V	22 23 58 06.4–.55	36.77N	9.79W	42–13	5.0b		
CNRM	V	22 23 58 07.2	36.63N	9.69W	21	3.6		
IGIL	V	22 23 58 07.6	36.85N	9.70W	21	3.8L		
INMG	V	22 23 58 08.0–1.2	36.86N	9.68W	21–4	3.6L,3.5		
LDG	V	22 23 58 10.0–.35	37.22N	9.18W	20	3.8L,3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=168.1.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=109.0.
SFS Event type ke.
MDD Error ellipse: s-maj=5.6km s-min=4.4km az=93.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=37.0.
LDG Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=57.0.

(385) Strait of Gibraltar.

ISC	**I**	**09 08 31 09.1–1.4**	**36.52N–.05**	**4.58W–.02**	**77–7**		**141**	**0-6**
ISCJB	I	09 08 31 09.8–.63	36.63N–.04	4.63W–.02	77–6			¶12080821
INMG	I	09 08 31 10.3–1.5	36.47N	4.58W	63–7	2.0L		
CSEM	I	09 08 31 10.9–.23	36.58N	4.61W	60	3.5b		

MDD I 09 08 31 10.9–.73 36.48N 4.58W 60–5 3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.1km az=170.8.
INMG Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=169.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=2.8km az=173.0.
MDD Error ellipse: s-maj=8.0km s-min=3.4km az=166.0. PRXIMO.
MDD I 30 00 41 17.4–.30 36.96N 4.60W 30 1.6
CSEM I 30 00 41 15.1–.19 37.10N 4.65W 15 1.6L ¶14557763
MDD Error ellipse: s-maj=4.4km s-min=2.8km az=144.0. PRXIMO PROFUNDIDAD POBRE.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.4km az=176.0.
ISC II 01 20 19 00.4–1.4 35.99N–.05 4.98W–.02 33–7 174 1-8
IGIL II 01 20 19 00.9 36.01N 4.94W 19 2.3L ¶12082894
INMG II 01 20 19 02.8–1.5 36.08N 5.12W 18–8 2.4L
CSEM II 01 20 19 02.9–.33 36.17N 5.12W 20 2.4L
SFS II 01 20 19 02.0 35.90N 5.05W 41 4.1L
MDD II 01 20 19 02.1–.82 36.02N 4.99W 24–4 2.4
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=3.0km az=172.0.
SFS Event type ke.
MDD Error ellipse: s-maj=7.2km s-min=3.5km az=2.0. PRXIMO.
ISC II 21 00 51 15.5–1.5 36.65N–.06 7.49W–.03 29–12 112 1-6
IGIL II 21 00 51 17.6 36.68N 7.49W 21 1.5L ¶11756924
INMG II 21 00 51 17.9–1.2 36.69N 7.49W 22–3 1.7L
CSEM II 21 00 51 17.9–.21 36.75N 7.41W 40 1.7L
MDD II 21 00 51 17.5–.84 36.65N 7.49W 39–15 4.1b,2.0
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=2.2km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.3km az=20.0.
MDD Error ellipse: s-maj=9.2km s-min=4.7km az=28.0. PRXIMO.
ISC III 07 08 27 47.2–1.8 36.55N–.08 7.01W–.03 29–15 50 1-3
CSEM III 07 08 27 48.6–.21 36.57N 7.02W 40 3.8b ¶13435640
MDD III 07 08 27 48.8–1.3 36.53N 7.02W 44–53 3.8b
INMG III 07 08 27 49.3–.87 36.53N 7.02W 31 1.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.4km az=8.0.
MDD Error ellipse: s-maj=14.6km s-min=6.7km az=8.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=2.7km az=179.0.
ISC III 23 03 18 44.0–1.5 36.65N–.06 7.62W–.04 51–13 134 1-7
CSEM III 23 03 18 43.9–.33 36.71N 7.55W 20 2.9L ¶13437065
MDD III 23 03 18 43.8–1.3 36.57N 7.67W 26–12 5.0b,2.2
ISCJB III 23 03 18 44.1–.80 36.74N–.04 7.54W–.04 67–7 5.0b,2.2
INMG III 23 03 18 44.5–1.5 36.61N 7.65W 22–4 2.0L,2.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.2km az=25.0.
MDD Error ellipse: s-maj=14.2km s-min=5.5km az=30.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.0km az=29.4.
INMG Event type ke. Error ellipse: s-maj=6.8km s-min=3.0km az=41.0.
ISC III 30 11 41 10.8–2.0 36.29N–.08 3.36W–.03 11–10 59 1-5
ISCJB III 30 11 41 11.5–1.2 36.31N–.06 3.42W–.04 17–6 ¶13437646
CSEM III 30 11 41 12.0–.42 36.34N 3.38W 10 2.5L
INMG III 30 11 41 13.9–1.4 36.39N 3.37W 14–10 1.8L
MDD III 30 11 41 13.7–1.2 36.39N 3.34W 0 2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.8km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.6km az=163.0.
INMG Event type ke. Error ellipse: s-maj=7.7km s-min=5.6km az=19.0.
MDD Error ellipse: s-maj=9.2km s-min=4.9km az=16.0. PRXIMO.
ISC IV 10 11 18 40.4–3.1 35.99N–.08 5.70W–.03 35–4 109 0-6
CSEM IV 10 11 18 41.4–.31 36.04N 5.71W 40 3.6b ¶12934997
INMG IV 10 11 18 41.6–1.2 36.11N 5.75W 14–9 1.7L
MDD IV 10 11 18 41.2–1.2 35.95N 5.69W 45–16 3.6b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.4km az=11.0.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=3.5km az=153.0.
MDD Error ellipse: s-maj=12.0km s-min=5.8km az=6.0. PRXIMO.
ISC IV 11 21 57 11.3–1.2 36.76N–.05 7.44W–.03 10 148 1-9
MDD IV 11 21 57 11.9–1.1 36.56N 7.68W 29–18 2.3 ¶12742185
CSEM IV 11 21 57 11.0–.32 36.64N 7.62W 20 3.1L
ISCJB IV 11 21 57 11.4–.68 36.84N–.04 7.43W–.03 10 3.1L
IGIL IV 11 21 57 12.7 36.59N 7.74W 24 2.0L
INMG IV 11 21 57 12.7–1.3 36.60N 7.75W 24–6 2.1L
LDG IV 11 21 57 13.8–.41 36.87N 7.24W 10 2.8L
ISC Event type ke.
MDD Error ellipse: s-maj=14.8km s-min=4.9km az=29.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.5km az=27.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.8km az=23.7.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=67.0.
LDG Event type ke. Error ellipse: s-maj=8.2km s-min=4.6km az=32.0.
ISC IV 20 15 43 32.4–1.8 36.32N–.07 7.72W–.04 16–10 74 1-9
ISCJB IV 20 15 43 32.0–.91 36.45N–.04 7.58W–.04 5–4 ¶12742287
CSEM IV 20 15 43 32.4–.35 36.38N 7.66W 10 2.7L
MDD IV 20 15 43 32.9–1.2 36.36N 7.72W 7–7 2.1
INMG IV 20 15 43 34.4–1.1 36.37N 7.67W 18–4 2.0L
LDG IV 20 15 43 34.0–.25 36.38N 7.75W 10 2.8L
IGIL IV 20 15 43 34.8 36.36N 7.75W 15 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.0km az=20.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=22.0.
MDD Error ellipse: s-maj=8.8km s-min=6.3km az=12.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=4.0km az=5.0.
LDG Event type ke.
INMG IV 22 09 41 50.2–1.3 36.81N 7.34W 26–5 2.0L
MDD IV 22 09 41 49.1–.95 36.77N 7.35W 26–6 2.2 ¶12757319
CSEM IV 22 09 41 49.1–.27 36.85N 7.29W 25 2.7L
LDG IV 22 09 41 50.3–.36 36.90N 7.21W 10 2.8L
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=27.0.
MDD Error ellipse: s-maj=9.8km s-min=5.2km az=20.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.0km az=13.0.
LDG Event type ke. Error ellipse: s-maj=6.6km s-min=3.5km az=32.0.
CNRM IV 29 16 56 44.5 35.16N 3.91W 1 2.5
CSEM IV 29 16 56 44.5 35.16N 3.91W 1 2.5 ¶16194884
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After CNRM.
ISC V 02 00 48 41.0–.81 36.96N–.03 2.32W–.02 14–4 275 0-11
ISCJB V 02 00 48 40.3–.39 37.10N–.02 2.48W–.02 5–2 ¶12793923
LDG V 02 00 48 41.8–.14 36.93N 2.33W 2 3.3L
CSEM V 02 00 48 41.5–.18 36.98N 2.37W 10 3.6L
MDD V 02 00 48 41.9–.27 36.90N 2.31W 11–0 3.0
SFS V 02 00 48 42.0 36.93N 2.32W 11 3.2L
INMG V 02 00 48 42.2–1.5 36.94N 2.35W 10–2 3.0L
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=167.8.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=153.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.3km az=154.0.
MDD Event type fe. Error ellipse: s-maj=4.4km s-min=1.9km az=163.0. EMS: III INTENSIDAD MAXIMA. PRXIMO.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=155.0.
ISC V 24 21 33 27.9–1.0 35.68N–.03 6.33W–.03 32–10 222 0-9
SFS V 24 21 33 25.0 35.36N 6.35W 35 4.1L ¶12867605
IGIL V 24 21 33 25.4 35.37N 6.36W 55 3.1L
LDG V 24 21 33 25.7–.57 35.80N 6.12W 2 3.5L
INMG V 24 21 33 26.0–1.3 35.37N 6.40W 31–6 2.7L
MDD V 24 21 33 28.7–.44 35.65N 6.34W 30–9 2.8
CSEM V 24 21 33 28.1–.16 35.70N 6.32W 30 3.8L
CNRM V 24 21 33 32.5 35.48N 6.22W 30 2.9
ISC Event type ke.
SFS Event type ke.
LDG Event type ke. Error ellipse: s-maj=11.7km s-min=5.6km az=7.0.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=73.0.
MDD Error ellipse: s-maj=5.0km s-min=3.5km az=37.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=36.0.
ISC V 25 09 18 38.9–.85 35.57N–.03 6.94W–.02 10 325 1-10
ISCJB V 25 09 18 38.8–.32 35.67N–.02 6.84W–.02 10 ¶12867608
CSEM V 25 09 18 40.7–.15 35.55N 6.94W 20 3.7
LDG V 25 09 18 42.4–.37 35.92N 6.74W 10 4.0L
SFS V 25 09 18 42.0 35.70N 6.80W 11 3.1L
MDD V 25 09 18 42.8–.35 35.55N 6.93W 47–17 4.7b
CNRM V 25 09 18 42.8 35.41N 6.89W 11 3.7
IGIL V 25 09 18 43.4 35.64N 6.83W 30 3.4L
INMG V 25 09 18 44.3–1.4 35.61N 6.90W 31–10 3.5L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=34.6.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=46.0.
LDG Event type ke. Error ellipse: s-maj=8.0km s-min=3.5km az=19.0.
SFS Event type ke.
MDD Error ellipse: s-maj=4.3km s-min=2.8km az=57.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=2.8km az=24.0.
MDD V 31 04 01 57.4–1.1 36.97N 5.42W 14–11 0.8
CSEM V 31 04 01 57.4 36.97N 5.42W 14 0.8L ¶14785375
MDD Error ellipse: s-maj=12.0km s-min=6.5km az=170.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
CSEM VI 17 14 29 23.0–.53 36.18N 7.87W 5 1.5L
MDD VI 17 14 29 23.3–1.5 36.15N 7.91W 0 1.6 ¶13375448
INMG VI 17 14 29 24.9–1.3 36.18N 7.90W 4–4 1.5L
PDA VI 17 14 29 24.9–1.3 36.18N 7.90W 4–4 1.5L
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.2km az=30.0.
MDD Error ellipse: s-maj=12.6km s-min=7.5km az=26.0.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=3.4km az=40.0.
PDA Event type ke. Error ellipse: s-maj=5.7km s-min=3.4km az=40.0.

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ISC II 06 12 53 45.2–.92 37.04N–.05 4.34E–.06 10 27 0-6
CRAAG II 06 12 53 40.1 37.16N 4.47E 3.3L ¶12082981
CSEM II 06 12 53 46.0–.45 36.94N 4.28E 5 2.1L
MDD II 06 12 53 46.3–.72 36.94N 4.34E 0 3.5b,2.1
ISCJB II 06 12 53 47.0–1.2 37.05N–.05 4.1E–.10 10 3.5b,2.1
ISC Event type ke.
CSEM Event type ke.
MDD PRXIMO.
ISCJB Event type ke.
ISC II 06 19 55 43.5–1.5 37.05N–.04 3.68E–.03 14–11 3.3b 89 1-57
IDC II 06 19 55 41.4–1.5 36.94N 3.65E 0 3.4L,3.2 ¶12082984
CRAAG II 06 19 55 43.6 36.98N 3.68E 4.0L,3.2
MDD II 06 19 55 44.2–.47 37.04N 3.69E 0 4.2b,3.2
CSEM II 06 19 55 45.1–.27 36.95N 3.69E 20 4.0L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=29.1km az=132.0.
MDD Error ellipse: s-maj=6.7km s-min=4.7km az=52.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=5.9km az=39.0.
ISC IV 18 18 58 27.1–1.3 40.98N–.03 5.24E–.02 13–8 117 2-8
LDG IV 18 18 58 22.3–.29 40.62N 5.43E 10 3.0L ¶12756786
MDD IV 18 18 58 23.6–1.5 40.64N 5.68E 16–17 3.5b
CSEM IV 18 18 58 23.5–.37 40.74N 5.52E 10 3.0L
STR IV 18 18 58 28.8–1.8 40.97N 5.14E 5 3.0L
GEN IV 18 18 58 30.2 40.98N 6.41E 5 2.8L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=6.8km s-min=3.5km az=144.0.
MDD Error ellipse: s-maj=15.8km s-min=5.8km az=143.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=4.0km az=142.0.
STR Event type ke.
ISC VI 17 02 56 07.9–1.5 42.60N–.06 5.03E–.03 17–12 33 1-3
ISCJB VI 17 02 56 05.5–1.1 42.61N–.06 5.02E–.04 11–12 ¶13255981
LDG VI 17 02 56 08.5–.18 42.62N 5.01E 10 2.4L
CSEM VI 17 02 56 09.4–.55 42.64N 5.07E 19–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.0km az=177.6.
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=4.5km az=153.0.
ISC VI 17 02 56 15.7–1.9 42.55N–.09 5.03E–.04 29–18 22 1-3
MDD VI 17 02 56 14.8–.94 42.47N 4.91E 31–1 1.5 ¶13255982
LDG VI 17 02 56 15.6–.47 42.64N 5.04E 15 2.2L
ISC Event type ke.
MDD Error ellipse: s-maj=9.2km s-min=4.9km az=149.0.
LDG Event type ke. Error ellipse: s-maj=9.1km s-min=5.0km az=16.0.
ISC VI 30 04 27 19.6–1.0 36.17N–.02 1.56W–.03 14–8 152 1-8
CSEM VI 30 04 27 19.7–.29 36.19N 1.59W 10 2.5L ¶13375506
MDD VI 30 04 27 20.8–.92 36.21N 1.64W 0 2.5
SFS VI 30 04 27 20.0 36.17N 1.56W 0 2.4L
INMG VI 30 04 27 21.9–1.2 36.23N 1.63W 15–4 2.3L
PDA VI 30 04 27 21.9–1.2 36.23N 1.63W 15–4 2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.9km az=131.0.
MDD Error ellipse: s-maj=8.2km s-min=6.0km az=118.0.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=2.5km az=115.0.
PDA Event type ke. Error ellipse: s-maj=4.6km s-min=2.5km az=115.0.

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ISC I 17 10 12 18.7–.58 41.22N–.04 10.20E–.03 13 3.7b 189 1-68
LDG I 17 10 12 17.0–.17 40.93N 10.24E 20 3.8L ¶11659134
IDC I 17 10 12 18.0–.94 41.32N 10.14E 0 3.9,3.8
CSEM I 17 10 12 18.9–.15 41.14N 10.17E 40 3.8L,3.8
ROM I 17 10 12 18.4–.57 41.18N 10.23E 31–10 3.3L,3.8
GEN I 17 10 12 22.3 41.60N 10.19E 7 3.5L,3.8
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=2.5km az=6.0.
IDC Error ellipse: s-maj=26.5km s-min=13.0km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.1km az=14.0.
ROM Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=123.0.
ISC II 05 16 02 34.9–1.3 40.92N–.04 10.16E–.03 14–8 4.1b 574 1-81
ISCJB II 05 16 02 32.7–.62 40.88N–.02 10.11E–.02 20–5 4.1b ¶13434300
IDC II 05 16 02 33.2–.68 40.97N 10.02E 0 4.1,4.0
CSEM II 05 16 02 33.6–.22 40.71N 10.07E 30 4.3b,4.0
NEIC II 05 16 02 34.3–1.3 40.87N 10.01E 13–9 4.3b,4.1L
ROM II 05 16 02 34.9–.10 40.86N 10.20E 43–1 3.6L,4.1L
MOS II 05 16 02 34.9–1.0 41.02N 10.00E 22 4.4b,4.1L
LDG II 05 16 02 34.8–.14 40.77N 10.22E 30 4.1L,4.0
GEN II 05 16 02 35.9 41.12N 10.19E 4 4.1L,4.0
STR II 05 16 02 36.9–.36 40.90N 9.98E 20 4.1L,4.0
PRU II 05 16 02 42.4 41.59N 10.35E 0 4.3,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=19.0.
IDC Error ellipse: s-maj=14.2km s-min=11.0km az=115.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=2.2km az=18.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.5km az=185.0.
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=21.0.
MOS Error ellipse: s-maj=6.1km s-min=3.3km az=100.3.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=3.0.
STR Event type ke.
ISC II 05 17 43 52.7–1.9 40.89N–.04 10.20E–.03 2–14 68 1-8
ROM II 05 17 43 57.1–.21 40.85N 10.21E 37 2.7,2.7L ¶11667336
LDG II 05 17 43 57.9–.19 40.78N 10.17E 25 3.3L,3.3
CSEM II 05 17 43 57.2–.26 40.87N 10.18E 30 2.7,3.3
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=12.2km s-min=2.2km az=137.0.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=16.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.2km az=6.0.
IDC IV 08 03 04 10.4–1.7 39.02N 14.79E 292–18 3.2,3.1
¶16505274
IDC Error ellipse: s-maj=21.1km s-min=13.0km az=119.0.

(390) Southern Italy.

IDC I 14 13 16 02.9–17 40.25N 15.21E 336–61 3.1b,3.1
¶12081271
IDC Error ellipse: s-maj=209.9km s-min=96.8km az=180.0.
ROM II 23 10 11 15.3–.03 41.62N 15.70E 10–0 2.0,1.6L
CSEM II 23 10 11 15.0–.09 41.63N 15.67E 17–0 2.0,1.6L **¶13901302**
ROM Event type ke. Error ellipse: s-maj=0.3km s-min=0.1km az=162.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=170.0.
ISC II 27 15 07 54.8–.77 39.12N–.07 15.68E–.10 248–6 3.8b 48 0-71
ISCJB II 27 15 07 54.2–.53 39.16N–.07 15.7E–.10 253–4 3.5b **¶12702016**
ROM II 27 15 07 54.7–.34 39.12N 15.61E 247–4 3.2L
CSEM II 27 15 07 54.7 39.12N 15.61E 247 3.2L
IDC II 27 15 08 00.4–4.2 39.53N 15.70E 287–51 3.2,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.7km s-min=11.7km az=7.5.
ROM Event type ke. Error ellipse: s-maj=8.7km s-min=3.9km az=102.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
IDC Error ellipse: s-maj=33.7km s-min=21.5km az=28.0.
ROM II 27 15 36 34.7–.54 41.58N 14.30E 7–7 1.8,1.3L
CSEM II 27 15 36 34.7 41.58N 14.30E 7 1.8,1.3L **¶13901380**
ROM Event type ke. Error ellipse: s-maj=4.5km s-min=2.2km az=70.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM III 13 02 48 35.0–.18 41.39N 14.82E 11 1.7,1.1L
CSEM III 13 02 48 35.0 41.39N 14.82E 11 1.7,1.1L **¶13902058**
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM III 17 08 45 09.5–.45 40.66N 17.08E 7–2 2.5L
CSEM III 17 08 45 07.7–.70 40.64N 17.22E 15 3.3L **¶11938399**
ROM Event type ke. Error ellipse: s-maj=5.2km s-min=2.8km az=125.0.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=6.4km az=106.0.
ISC III 19 14 01 40.4–.89 41.86N–.02 15.62E–.02 10–6 113 0-3
ROM III 19 14 01 39.1–.23 41.91N 15.62E 1 3.0L **¶12025783**
ISCJB III 19 14 01 40.0–.47 41.88N–.03 15.62E–.03 12–2 3.0L
CSEM III 19 14 01 40.5–.22 41.84N 15.60E 12 3.7L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=23.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=22.1.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.1km az=19.0.
ROM III 23 14 38 13.8–.55 40.66N 15.34E 18–6 2.0,1.3L
CSEM III 23 14 38 13.8 40.66N 15.34E 18 2.0,1.3L **¶13902285**
ROM Event type ke. Error ellipse: s-maj=5.1km s-min=2.6km az=80.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC III 23 20 37 46.5–1.0 39.23N–.03 16.19E–.03 74–6 304 0-10
ISCJB III 23 20 37 45.8–.25 39.26N–.02 16.26E–.02 77–4 **¶12086153**
PDG III 23 20 37 46.9–.61 39.24N 16.28E 61–3 3.8L
ROM III 23 20 37 47.2–.17 39.23N 16.07E 58–4 3.9L
CSEM III 23 20 37 47.0–.09 39.24N 16.21E 60 5.1L,3.5s
VIE III 23 20 37 49.9–.73 39.61N 16.09E 10 3.5s,2.9b
TIR III 23 20 37 51.1 39.97N 16.67E 0 4.3L,2.9b
SOF III 23 20 38 18.2 40.51N 19.01E 15 3.1,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=153.9.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
ROM Event type ke. Error ellipse: s-maj=3.1km s-min=1.6km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=94.0.
VIE Error ellipse: s-maj=12.3km s-min=5.5km az=83.0. 180 km SSW of Bari .
ISC III 24 16 55 13.2–1.0 41.87N–.05 15.76E–.03 18–3 45 0-3
TIR III 24 16 55 11.8 40.88N 16.03E 30 3.3L **¶12057657**
ISCJB III 24 16 55 12.4–1.1 41.94N–.07 15.81E–.05 15–15 3.3L
ROM III 24 16 55 12.8–.23 41.88N 15.77E 19–2 2.8L
CSEM III 24 16 55 12.8 41.88N 15.77E 19 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=4.6km az=23.4.
ROM Event type ke. Error ellipse: s-maj=4.2km s-min=1.4km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC III 30 21 07 18.0–.85 41.83N–.02 15.31E–.02 15–6 107 0-6
ROM III 30 21 07 17.5–.26 41.85N 15.34E 9–2 2.8L **¶12089890**
CSEM III 30 21 07 18.2–.16 41.80N 15.29E 20–0 3.6L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=1.5km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=11.0.
ROM IV 07 04 34 50.6–.19 40.47N 16.20E 27–2 2.0,1.8L
CSEM IV 07 04 34 50.6 40.47N 16.20E 27 2.0,1.8L **¶14837175**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC IV 07 20 24 54.0–.82 39.19N–.02 16.81E–.03 16–4 88 0-6
ISCJB IV 07 20 24 53.7–.49 39.19N–.03 16.87E–.05 17–4 **¶12100594**
ROM IV 07 20 24 54.0–.13 39.19N 16.81E 15–1 3.2L
CSEM IV 07 20 24 54.1–.19 39.18N 16.79E 20–0 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.7km az=22.4.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=98.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.8km az=113.0.
ISC IV 13 11 39 58.4–.63 39.53N–.02 16.34E–.03 13 3.7b 91 0-62
ISCJB IV 13 11 39 56.5–.29 39.53N–.02 16.32E–.04 13 3.6b,3.2s **¶12582358**
CSEM IV 13 11 39 57.5 39.53N 16.39E 14 3.6b,3.2s
ROM IV 13 11 39 57.5–.10 39.53N 16.39E 14–4 3.3L,3.2s
IDC IV 13 11 39 57.5–1.3 39.55N 16.47E 0 3.5,3.4
BEO IV 13 11 40 15.4–1.9 40.81N 17.00E 0 3.1L,3.4
ATH IV 13 11 41 06.8 37.03N 21.69E 32–1 2.2,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=167.3.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=74.0.
IDC Error ellipse: s-maj=29.7km s-min=21.4km az=86.0.
BEO Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=2.3km az=-1.0.
ROM IV 20 09 04 46.0–.21 41.45N 14.54E 10 1.7,0.9L
CSEM IV 20 09 04 46.0 41.45N 14.54E 10 1.7,0.9L **¶14844665**
ROM Event type ke. Error ellipse: s-maj=3.7km s-min=2.1km az=123.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC V 06 22 21 02.9–.74 39.94N–.07 15.68E–.08 269–6 3.1b 60 0-55
ROM V 06 22 21 01.0–.37 39.93N 15.70E 280–5 2.8L **¶12757551**
CSEM V 06 22 21 01.0 39.93N 15.70E 280 2.8L
ISCJB V 06 22 21 02.1–.47 39.96N–.07 15.7E–.10 276–4 3.2b
IDC V 06 22 21 06.8–4.9 40.02N 15.65E 316–57 3.0b,2.9
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=6.5km s-min=3.8km az=81.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=11.3km az=20.4.
IDC Error ellipse: s-maj=24.4km s-min=16.0km az=143.0.
ISC V 07 21 43 41.2–.89 41.66N–.02 14.80E–.02 19–2 134 0-5
ROM V 07 21 43 40.6–.08 41.67N 14.82E 20–1 3.0L **¶12784417**
CSEM V 07 21 43 40.9–.10 41.66N 14.78E 20 3.5L
ISCJB V 07 21 43 40.9–.23 41.67N–.02 14.81E–.02 23–3 3.5L
ISC Event type ke.
ROM Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ROM V 12 01 28 19.5–.14 40.82N 15.24E 10–1 1.6,0.6L
CSEM V 12 01 28 19.5 40.82N 15.24E 10 1.6,0.6L **¶14849346**
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=2.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 15 17 47 46.0–.35 40.64N 15.51E 17–4 1.7,1.2L
CSEM V 15 17 47 46.0 40.64N 15.51E 17 1.7,1.2L **¶14849797**
ROM Event type ke. Error ellipse: s-maj=3.6km s-min=1.5km az=95.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM V 26 04 10 16.8–.56 41.57N 14.33E 10–7 1.8,1.1L
CSEM V 26 04 10 17.4–.32 41.57N 14.32E 10 1.8,1.1L **¶14851039**
ROM Event type ke. Error ellipse: s-maj=6.3km s-min=2.7km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=5.5km az=69.0.
ROM VI 02 01 28 42.5–.37 41.53N 14.49E 22–4 1.6,1.4L
CSEM VI 02 01 28 42.5 41.53N 14.49E 22 1.6,1.4L **¶14851656**
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=23.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 03 00 31 33.6–.06 41.83N 13.61E 11–0 1.7,1.4L
CSEM VI 03 00 31 33.6 41.83N 13.61E 11 1.7,1.4L **¶16438567**
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=38.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM VI 03 00 32 11.7–.06 41.84N 13.60E 10–0 2.3,2.2L
CSEM VI 03 00 32 11.7 41.84N 13.60E 10 2.3,2.2L **¶16726560**
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=11.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 03 21 16 47.4–.87 41.91N–.03 15.33E–.02 12–6 63 0-6
ROM VI 03 21 16 46.0–.20 41.93N 15.37E 6–1 2.6L **¶12895851**
CSEM VI 03 21 16 47.2–.19 41.90N 15.31E 2 2.6L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.3km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=177.0.
ISC VI 07 10 22 30.4–.84 39.3N–.10 15.28E–.10 295–9 3.3b 49 1-55
ISCJB VI 07 10 22 29.4–.62 39.2N–.10 15.4E–.10 305–7 3.2b **¶13680774**
ROM VI 07 10 22 29.5–.36 39.19N 15.32E 302–6 2.9L
CSEM VI 07 10 22 29.5 39.19N 15.32E 302 2.9L
IDC VI 07 10 22 39.7–3.9 39.76N 15.00E 385–28 2.8b,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.1km s-min=15.9km az=145.9.
ROM Event type ke. Error ellipse: s-maj=17.2km s-min=6.0km az=125.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
IDC Error ellipse: s-maj=49.0km s-min=22.7km az=176.0.
ROM VI 09 10 00 31.7–.11 41.66N 15.85E 18–1 2.5,2.2L
CSEM VI 09 10 00 31.2–.14 41.67N 15.86E 20–0 3.2L,2.2L **¶14852285**
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=24.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=33.0.
ROM VI 16 04 33 43.4–.16 41.80N 13.68E 9–1 1.4
¶14852816
ROM Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=60.0.
ROM VI 20 15 59 17.8–.23 40.62N 15.60E 10 1.7,1.1L
¶14853142
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=108.0.
ROM VI 29 13 51 45.0–.04 40.92N 16.64E 4–0 1.9,1.1L
¶14854278
ROM Event type ke. Error ellipse: s-maj=0.7km s-min=0.1km az=51.0.
ROM VI 29 20 37 53.1–.19 41.84N 13.56E 8–1 1.5L
CSEM VI 29 20 37 53.1 41.84N 13.56E 8 1.5L **¶14854304**
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

(391) Albania.

ISC I 06 06 55 03.5–.89 41.47N–.02 19.84E–.02 7–8 104 0-5
TIR I 06 06 55 01.3–.64 41.45N 19.79E 19–3 3.0L **¶11660153**
ISCJB I 06 06 55 02.6–.47 41.46N–.02 19.84E–.03 2–3 3.0L
PDG I 06 06 55 03.2–.28 41.49N 19.85E 6–0 2.7L
BEO I 06 06 55 03.7–.35 41.49N 20.00E 0–3 2.2L
CSEM I 06 06 55 03.1–.28 41.47N 19.84E 2 3.0L
ISC Event type ke.
TIR Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=39.4.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.5km az=0.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.7km az=47.0.
ISC I 08 14 14 13.0–1.1 41.75N–.02 20.83E–.02 0–10 123 0-5
TIR I 08 14 14 07.3–4.9 41.83N 20.88E 0–32 **¶11660165**
PDG I 08 14 14 13.0–.36 41.77N 20.84E 2–1 2.8L
SKO I 08 14 14 13.1 41.71N 20.86E 19 2.9L,2.5
CSEM I 08 14 14 13.2–.17 41.72N 20.81E 2 2.6L,2.5
THE I 08 14 14 14.1 41.74N 20.90E 0–4 2.6L,2.5
BEO I 08 14 14 15.8–.38 41.84N 20.78E 0 2.3L,2.5
ISC Event type ke.
TIR Error ellipse: s-maj=10.4km s-min=19.0km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.2km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=30.0.
THE Event type ke. Error ellipse: s-maj=6.3km s-min=2.3km az=295.0.
BEO Event type ke.
ISC I 08 19 48 57.5–.95 41.78N–.01 20.81E–.01 9–7 3.8b 445 0-93
TIR I 08 19 48 54.8–3.9 41.85N 20.73E 0–14 3.5L **¶13404685**
IDC I 08 19 48 55.7–.85 41.68N 20.79E 0 3.8,3.8
ATH I 08 19 48 56.0 41.85N 20.83E 9–8 4.0,3.8
PRU I 08 19 48 56.8 41.71N 20.71E 0 4.0,3.8
ISCJB I 08 19 48 57.5–.28 41.82N–.01 20.79E–.02 13–2 3.9b,3.8
PDG I 08 19 48 57.5–.71 41.78N 20.84E 3–1 4.0L,3.9
CSEM I 08 19 48 57.7–.07 41.78N 20.80E 2 3.9s,3.5L
SKO I 08 19 48 57.1 41.71N 20.79E 20 4.2L,3.8
LDG I 08 19 48 57.1–.70 42.00N 20.71E 10 4.8b,3.8
BEO I 08 19 48 58.8–.49 41.78N 20.82E 12–4 3.6L,3.8
THE I 08 19 48 58.5 41.75N 20.83E 2–3 3.8L,3.8
VIE I 08 19 48 59.7–.51 41.88N 20.80E 10 3.9s,3.7b
ISC Event type ke.
TIR Error ellipse: s-maj=6.3km s-min=18.4km az=-1.0.
IDC Error ellipse: s-maj=16.7km s-min=12.7km az=1.0.
ATH Error ellipse: s-maj=6.0km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=137.8.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=51.0.
LDG Event type ke. Error ellipse: s-maj=33.1km s-min=10.1km az=2.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.3km az=254.0.
VIE Error ellipse: s-maj=5.5km s-min=4.2km az=32.0. 58 km WSW of Skopje .
ISC I 09 01 36 14.0–1.1 41.76N–.03 20.82E–.02 2–10 59 0-5
SKO I 09 01 36 12.9 41.72N 20.73E 18 2.5L,2.1 **¶12080793**
CSEM I 09 01 36 14.3–.18 41.74N 20.81E 2 2.8L,2.1
TIR I 09 01 36 14.2–.83 41.81N 20.67E 6–9 2.8L,2.1
BEO I 09 01 36 15.2–.44 41.76N 20.84E 0 2.2L,2.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=13.0.
TIR Error ellipse: s-maj=2.0km s-min=6.6km az=-1.0.
BEO Event type ke.
ISC I 12 01 46 01.2–1.3 41.17N–.06 19.79E–.03 22–7 81 0-5
ISCJB I 12 01 46 00.9–1.0 41.12N–.06 19.80E–.05 19–5 **¶11660181**
CSEM I 12 01 46 01.1–.39 41.12N 19.81E 20–0 2.6L
PDG I 12 01 46 02.8–.30 41.37N 19.96E 15–1 2.6L
BEO I 12 01 46 02.8–1.1 41.27N 19.89E 18–3 2.6L
SKO I 12 01 46 03.2 41.24N 19.91E 8 2.5L,2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=4.2km az=27.1.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=3.8km az=21.0.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=90.0.
BEO Event type ke.
ISC I 18 22 18 24.1–1.1 41.86N–.02 20.96E–.01 0–8 187 0-43
TIR I 18 22 18 20.9–3.1 41.91N 21.00E 5–13 **¶11660235**
BEO I 18 22 18 23.3–.44 41.80N 20.90E 0 3.1L
SOF I 18 22 18 23.4 41.96N 21.04E 0 2.9
PDG I 18 22 18 23.4–.62 41.95N 21.07E 1–1 3.5L,3.5
IDC I 18 22 18 24.0–1.5 41.87N 20.94E 0 3.4,3.3b
CSEM I 18 22 18 24.0–.13 41.85N 20.97E 2 3.4L,3.3b
SKO I 18 22 18 25.6 41.77N 21.21E 17 3.5L,3.0
ISC Event type ke.
TIR Error ellipse: s-maj=6.4km s-min=18.2km az=-1.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.3km az=0.0.
IDC Error ellipse: s-maj=31.2km s-min=16.0km az=140.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=13.0.

ISC	**I**	**21 19 19 07.7–1.1**	**40.12N–.02**	**19.95E–.02**	**2–9**	**3.3b**	**121**	**0-45**
TIR	I	21 19 19 05.8–3.6	40.17N	20.09E	5–999	3.0L		¶12082002
IDC	I	21 19 19 06.8–9.7	40.11N	19.92E	0	3.6L,3.4		
BEO	I	21 19 19 06.9–1.1	39.85N	19.76E	19–6	3.2L,3.4		
THE	I	21 19 19 07.9	40.15N	20.03E	0–3	3.1L,3.4		
ATH	I	21 19 19 08.2	40.11N	19.96E	12–1	3.4,3.4		
CSEM	I	21 19 19 09.8–.25	40.06N	19.85E	20	3.0L,3.4		

ISC Event type ke.
TIR Error ellipse: s-maj=6.5km s-min=12.4km az=-1.0.
IDC Error ellipse: s-maj=180.7km s-min=27.1km az=33.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=0.7km az=295.0.
ATH Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=74.0.

ISC	**I**	**24 18 36 44.2–.95**	**41.59N–.03**	**20.46E–.02**	**8–6**		**76**	**0-3**
TIR	I	24 18 36 43.0–.97	41.60N	20.52E	12–5	2.6L		¶11660290
CSEM	I	24 18 36 44.2–.22	41.55N	20.43E	2	2.6L		
PDG	I	24 18 36 44.0–.22	41.57N	20.47E	11–0	2.6L		
BEO	I	24 18 36 49.2–1.2	41.84N	20.26E	8–4	1.9L		

ISC Event type ke.
TIR Error ellipse: s-maj=2.8km s-min=6.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=25.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=0.0.
BEO Event type ke.

ISC	**I**	**25 04 35 15.8–.87**	**41.82N–.02**	**19.81E–.02**	**17–7**		**113**	**0-5**
TIR	I	25 04 35 14.6–1.1	41.83N	19.82E	28–7	3.0L		¶11660294
THE	I	25 04 35 15.8	41.86N	19.81E	0–2	2.7L		
PDG	I	25 04 35 15.7–.18	41.84N	19.82E	14–0	2.9,2.8L		
BEO	I	25 04 35 15.8–.32	41.86N	20.03E	0	2.7L,2.8L		
CSEM	I	25 04 35 15.3–.19	41.82N	19.81E	10	3.0L,2.8L		
ISCJB	I	25 04 35 16.4–.42	41.80N–.02	19.81E–.03	15–5	3.0L,2.8L		

ISC Event type ke.
THE Event type ke.
PDG Event type ke.
BEO Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**I**	**26 02 15 33.9–1.1**	**40.12N–.02**	**19.99E–.02**	**1–9**		**116**	**0-8**
BEO	I	26 02 15 31.0–1.8	39.77N	19.55E	17–11	3.0L		¶12082342
ISCJB	I	26 02 15 33.3–.42	40.13N–.02	19.98E–.03	3–3	3.0L		
ATH	I	26 02 15 33.1	40.20N	19.92E	5	3.5		
TIR	I	26 02 15 33.3–3.4	40.13N	20.13E	6–424	3.5		
CSEM	I	26 02 15 34.0–.14	40.12N	20.02E	2	3.2L		
THE	I	26 02 15 34.7	40.11N	20.09E	5–1	3.0L		

ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=165.5.
ATH Error ellipse: s-maj=3.1km s-min=3.0km az=-1.0.
TIR Error ellipse: s-maj=5.8km s-min=17.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=72.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=228.0.

TIR	**I**	**31 12 18 52.5–21**	**41.89N**	**20.35E**	**0–999**			
CSEM	I	31 12 18 52.5	41.89N	20.35E	0			¶13434094

TIR Error ellipse: s-maj=72.4km s-min=173.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIR.

ISC	**I**	**31 12 19 42.9–.86**	**40.43N–.02**	**19.65E–.02**	**8–6**	**3.5b**	**209**	**0-71**
IDC	I	31 12 19 38.7–3.1	40.20N	19.26E	0	3.6,3.4b		¶15850206
ATH	I	31 12 19 38.0	40.56N	19.35E	11–2	3.8,3.4b		
BEO	I	31 12 19 39.3–2.4	40.28N	19.15E	10–11	3.5L,3.4b		
ISCJB	I	31 12 19 41.2–.54	40.41N–.02	19.42E–.03	14–3	3.3b,3.4b		
CSEM	I	31 12 19 41.8–.17	40.44N	19.53E	5	3.8,3.4b		
PDG	I	31 12 19 42.3–.61	40.42N	19.56E	15–1	3.4L,3.4b		
THE	I	31 12 19 43.4	40.39N	19.68E	0–1	3.4L,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=49.4km s-min=24.4km az=15.0.
ATH Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.4km az=145.7.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.4km az=64.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=3.0km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=253.0.

ISC	**II**	**02 02 35 46.5–1.1**	**40.37N–.02**	**19.93E–.02**	**5–10**		**121**	**0-6**
ATH	II	02 02 35 43.6	40.42N	19.73E	3	3.4		¶12082900
TIR	II	02 02 35 45.7–4.0	40.41N	20.90E	0–29	3.0L		
ISCJB	II	02 02 35 46.8–.60	40.27N–.02	19.90E–.03	2–4	3.0L		
THE	II	02 02 35 47.0	40.37N	19.96E	0–6	3.1L		
PDG	II	02 02 35 48.9–.29	40.40N	19.68E	4–0	2.9L		
CSEM	II	02 02 35 49.1–.18	40.20N	19.83E	20	3.1L		

ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=2.2km az=-1.0.
TIR Error ellipse: s-maj=19.2km s-min=23.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=147.0.
THE Event type ke. Error ellipse: s-maj=7.9km s-min=1.8km az=293.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.0km az=56.0.

ISC	**II**	**03 17 29 05.0–1.0**	**41.83N–.02**	**20.20E–.02**	**9–9**		**73**	**0-4**
TIR	II	03 17 29 00.1–3.4	41.86N	20.31E	0–999			¶12082920
BEO	II	03 17 29 02.8–1.1	41.66N	20.22E	9–4	2.5L		
CSEM	II	03 17 29 04.3–.25	41.81N	20.23E	2	2.7L		
PDG	II	03 17 29 05.6–.33	41.82N	20.14E	11–1	2.7L		
SKO	II	03 17 29 07.2	42.04N	20.58E	75	2.3L,2.0		

ISC Event type ke.
TIR Error ellipse: s-maj=9.8km s-min=17.2km az=-1.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=25.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.

ISC	**II**	**12 09 45 24.8–1.1**	**41.10N–.02**	**20.25E–.02**	**4–10**		**140**	**0-4**
TIR	II	12 09 45 18.0–5.0	41.04N	20.23E	0–999	3.0L		¶11758336
ATH	II	12 09 45 18.7	41.38N	20.07E	5–4	3.4		
THE	II	12 09 45 24.4	41.08N	20.18E	0–7	3.4		
PDG	II	12 09 45 25.2–.19	41.11N	20.21E	1–0	2.9L		
BEO	II	12 09 45 25.0–.77	41.01N	20.18E	0–3	2.6L		
CSEM	II	12 09 45 25.0–.23	41.04N	20.22E	2	2.6L		
SKO	II	12 09 45 26.2	41.12N	20.22E	5	2.8L,2.2		

ISC Event type ke.
TIR Error ellipse: s-maj=9.7km s-min=35.1km az=-1.0.
ATH Error ellipse: s-maj=3.1km s-min=4.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=7.7km s-min=1.4km az=235.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=90.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=3.6km az=60.0.

ISC	**II**	**20 09 41 30.8–1.4**	**41.48N–.04**	**19.46E–.04**	**0–11**		**44**	**0-3**
TIR	II	20 09 41 29.6–1.0	41.40N	19.54E	31–9	2.9L		¶11788656
SKO	II	20 09 41 31.2	41.37N	19.45E	0	2.9L		
CSEM	II	20 09 41 32.2–.48	41.47N	19.55E	2	2.9L		
BEO	II	20 09 41 32.2–.99	41.51N	19.42E	0	2.3L		

ISC Event type ke.
TIR Error ellipse: s-maj=6.1km s-min=8.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=5.8km az=49.0.
BEO Event type ke.

ISC	**II**	**21 01 29 00.8–.95**	**41.35N–.01**	**20.32E–.02**	**10–7**	**3.6b**	**353**	**0-70**
PRU	II	21 01 28 58.8	41.20N	20.55E	0	3.6b		¶11714001
LDG	II	21 01 28 59.6–.09	41.40N	20.24E	2	3.7L		
TIR	II	21 01 29 00.3–3.0	41.39N	20.49E	28–24	3.5L		
SKO	II	21 01 29 00.0	41.33N	20.35E	11	3.8L,3.3		
ISCJB	II	21 01 29 00.3–.28	41.36N–.01	20.28E–.02	13–2	3.6b,3.3		
CSEM	II	21 01 29 00.4–.09	41.33N	20.30E	2	3.5L,3.3		
PDG	II	21 01 29 01.1–.74	41.36N	20.22E	13–1	3.8L,3.8		
BEO	II	21 01 29 01.1–.76	41.35N	20.32E	5–3	3.7L,3.8		
THE	II	21 01 29 01.0	41.37N	20.40E	0–1	3.7L,3.8		
IDC	II	21 01 29 04.6–2.5	41.36N	20.18E	45–25	3.5,3.4		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=27.0.
TIR Error ellipse: s-maj=5.7km s-min=12.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=144.5.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=55.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=320.0.
IDC Error ellipse: s-maj=22.7km s-min=21.1km az=56.0.

TIR	**II**	**24 12 23 19.7–1.3**	**41.24N**	**19.79E**	**6–101**	**2.5L**		
CSEM	II	24 12 23 19.7	41.24N	19.79E	6	2.5L		¶11788659

TIR Error ellipse: s-maj=5.4km s-min=10.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIR.

ISC	**II**	**26 00 07 15.1–1.0**	**41.08N–.02**	**20.25E–.02**	**9–9**		**84**	**0-5**
BEO	II	26 00 07 13.5–.84	40.89N	20.22E	0	2.5L		¶14359507
ATH	II	26 00 07 14.8	41.18N	20.22E	28–4	3.2		
CSEM	II	26 00 07 15.1–.15	41.07N	20.22E	2	3.2		
SKO	II	26 00 07 15.0	41.05N	20.20E	14	2.2L,1.7		

ISC Event type ke.
BEO Event type ke.
ATH Error ellipse: s-maj=3.0km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=61.0.

ISC	**II**	**26 00 16 10.3–.84**	**41.87N–.03**	**19.64E–.04**	**12**		**28**	**0-4**
ISCJB	II	26 00 16 10.4–.62	41.90N–.03	19.63E–.05	12			¶11788660
TIR	II	26 00 16 10.6–1.3	41.89N	19.76E	23–6	2.8L		
CSEM	II	26 00 16 10.3–.33	41.90N	19.61E	5	2.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=145.7.
TIR Error ellipse: s-maj=3.0km s-min=8.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.8km az=46.0.

ISC	**II**	**26 03 45 38.4–1.0**	**41.10N–.02**	**20.26E–.02**	**6–9**		**141**	**0-5**
ATH	II	26 03 45 34.2	41.38N	20.11E	19–13	3.5		¶11758347
BEO	II	26 03 45 36.5–.74	40.95N	20.25E	0	2.5L		
TIR	II	26 03 45 36.7–2.4	41.07N	20.26E	14–39	3.1L		
SKO	II	26 03 45 38.3	41.12N	20.25E	10	2.3L,1.8		
CSEM	II	26 03 45 38.0–.17	41.09N	20.25E	2	3.1L,1.8		
PDG	II	26 03 45 40.5–.29	41.10N	19.93E	2–0	2.6L,1.8		

ISC Event type ke.
ATH Error ellipse: s-maj=10.8km s-min=5.1km az=-1.0.
BEO Event type ke.
TIR Error ellipse: s-maj=3.6km s-min=7.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=56.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.8km az=0.0.

CSEM	**II**	**26 23 35 09.8–.43**	**41.84N**	**19.16E**	**2**	**2.7L**		
TIR	II	26 23 35 12.0–4.0	41.90N	19.26E	6–999	2.7L		¶11788663

CSEM Event type ke. Error ellipse: s-maj=13.7km s-min=5.6km az=10.0.
TIR Error ellipse: s-maj=23.2km s-min=54.4km az=-1.0.

ISC	**II**	**27 01 46 23.8–1.3**	**41.83N–.03**	**19.63E–.04**	**5–13**		**27**	**0-2**
TIR	II	27 01 46 21.3–1.6	41.87N	19.37E	22–28	2.5L		¶11788664
BEO	II	27 01 46 24.5–1.3	41.85N	19.67E	24–14	1.6L		
ISCJB	II	27 01 46 25.1–.67	41.90N–.04	19.77E–.07	10–9	1.6L		
CSEM	II	27 01 46 25.2–.35	41.88N	19.72E	10	2.5L		

ISC Event type ke.
TIR Error ellipse: s-maj=4.6km s-min=14.8km az=-1.0.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.9km az=166.6.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=6.0km az=65.0.

ISC	**II**	**28 17 36 29.1–.70**	**41.42N–.02**	**19.47E–.02**	**11–4**	**3.9b**	**303**	**0-123**
TIR	II	28 17 36 19.2	41.40N	19.50E	0	3.5L		¶11735233
IDC	II	28 17 36 28.0–1.1	41.56N	19.65E	0	3.8,3.8b		
BEO	II	28 17 36 28.5–.65	41.44N	19.38E	1–4	3.7L,3.8b		
PDG	II	28 17 36 29.3–.43	41.39N	19.52E	12–0	3.6L,3.6		
LDG	II	28 17 36 29.6–.07	41.49N	19.53E	10	3.7L,3.6		
CSEM	II	28 17 36 29.0–.14	41.44N	19.43E	2	3.5L,3.4s		
SKO	II	28 17 36 29.8	41.39N	19.49E	4	3.8L,3.3		
VIE	II	28 17 36 30.7–.23	41.49N	19.32E	10	3.4s,3.0b		
THE	II	28 17 36 31.7	41.45N	19.55E	13–4	3.7L,3.0b		

ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=13.9km az=47.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=28.0.
VIE Error ellipse: s-maj=2.7km s-min=2.0km az=83.0. 24 km NNW of Durres .
THE Event type ke. Error ellipse: s-maj=4.7km s-min=1.3km az=295.0.

ISC	**III**	**01 02 21 04.7–1.9**	**41.05N–.05**	**19.81E–.06**	**9–13**		**26**	**0-2**
TIR	III	01 02 21 01.9–5.0	41.03N	19.83E	2–349	3.2L		¶12100558
CSEM	III	01 02 21 05.4–.63	41.05N	19.72E	5	3.2L		
SKO	III	01 02 21 06.5	41.01N	19.80E	10	3.2L		

ISC Event type ke.
TIR Error ellipse: s-maj=8.3km s-min=17.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=14.2km s-min=8.5km az=66.0.

ISC	**III**	**05 18 03 49.7–1.0**	**41.42N–.03**	**19.83E–.02**	**22–7**		**100**	**0-5**
TIR	III	05 18 03 47.9–.87	41.42N	19.89E	29–6	3.0L		¶12086124
SKO	III	05 18 03 48.8	41.42N	19.78E	21	3.0L		
ISCJB	III	05 18 03 49.7–.66	41.38N–.04	19.86E–.04	21–3	3.0L		
CSEM	III	05 18 03 49.2–.46	41.37N	19.80E	20–0	2.8L		
BEO	III	05 18 03 50.1–.44	41.38N	19.86E	20–3	2.8L		
PDG	III	05 18 03 50.7–.17	41.53N	19.88E	8–0	2.8L		

ISC Event type ke.
TIR Error ellipse: s-maj=4.7km s-min=5.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=25.4.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.7km az=21.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0.

ISC	**III**	**05 19 15 23.0–1.6**	**40.97N–.05**	**19.43E–.03**	**1–10**		**102**	**0-5**
TIR	III	05 19 15 23.5–2.1	41.03N	19.47E	6–24	3.0L		¶12086125
CSEM	III	05 19 15 24.2–.36	41.02N	19.48E	2	3.0L		
SKO	III	05 19 15 25.6	41.15N	19.49E	9	3.0L		
BEO	III	05 19 15 25.0–.85	41.02N	19.47E	4–2	2.9L		
PDG	III	05 19 15 27.6–.34	41.23N	19.61E	11–1	2.9L		

ISC Event type ke.
TIR Error ellipse: s-maj=11.4km s-min=17.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=8.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=2.0km az=0.0.

ISC	**III**	**06 15 45 14.9–1.1**	**41.12N–.02**	**19.50E–.03**	**5–9**		**116**	**0-5**
ATH	III	06 15 45 13.9	41.19N	19.47E	7	3.2		¶12086126
TIR	III	06 15 45 14.2–3.2	41.14N	19.53E	23–14	3.2L		
BEO	III	06 15 45 15.3–.71	41.09N	19.53E	3–2	3.0L		
CSEM	III	06 15 45 15.5–.24	41.14N	19.55E	2	3.2L		
PDG	III	06 15 45 17.9–.26	41.29N	19.63E	6–0	3.0L		

ISC Event type ke.
TIR Error ellipse: s-maj=8.0km s-min=20.0km az=-1.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=60.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=90.0.

ISC	**III**	**06 19 57 44.6–1.4**	**41.05N–.04**	**19.47E–.02**	**5–9**		**121**	**0-5**
TIR	III	06 19 57 42.3–4.3	41.08N	19.52E	2–13	3.0L		¶12086127
CSEM	III	06 19 57 44.8–.28	41.05N	19.48E	2	3.0L		
BEO	III	06 19 57 45.1–.70	41.04N	19.46E	4–2	2.9L		
PDG	III	06 19 57 48.4–.35	41.25N	19.59E	10–1	2.9L		

ISC Event type ke.
TIR Error ellipse: s-maj=10.7km s-min=19.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=13.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=90.0.

ISC	**III**	**06 22 59 24.4–1.3**	**41.05N–.04**	**19.45E–.02**	**8–9**	**3.6b**	**113**	**0-45**
IDC	III	06 22 59 22.0–5.0	41.00N	19.49E	0	3.5b,3.4		¶12086128
BEO	III	06 22 59 25.9–.84	41.09N	19.44E	8–2	3.1L,3.4		
CSEM	III	06 22 59 25.0–.33	41.06N	19.49E	2	3.1L,3.4		

PDG III 06 22 59 28.7–.33 41.28N 19.60E 8–1 3.3L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=93.9km s-min=17.5km az=40.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=9.0.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=0.0.
ISC III 06 23 06 44.6–.79 41.15N–.01 19.53E–.01 24–6 4.2b,3.6s 645 0-123
IDC III 06 23 06 40.1–.73 41.04N 19.35E 0 4.0,4.0 **¶12054488**
TIR III 06 23 06 41.2–4.6 41.09N 19.57E 9–11 3.6L,4.0
MOS III 06 23 06 42.7–1.1 41.02N 19.32E 33 4.4b,4.0
LDG III 06 23 06 43.9–.09 41.24N 19.56E 10 4.0L,4.0
PRU III 06 23 06 43.5 41.07N 19.57E 0 4.2,4.0
NEIC III 06 23 06 44.3–.93 41.11N 19.47E 26–7 4.2b,4.1L
BEO III 06 23 06 44.0–.77 41.10N 19.50E 9–2 4.0L,4.1L
CSEM III 06 23 06 44.8–.09 41.16N 19.49E 15 4.2b,3.7s
ROM III 06 23 06 44.1–.15 41.17N 19.51E 8 3.9L,3.7s
PDG III 06 23 06 44.3–.66 41.19N 19.55E 13–1 3.9L,3.9
SOF III 06 23 06 45.6 41.23N 19.73E 10 3.6,3.9
THE III 06 23 06 46.3 41.16N 19.63E 16–3 4.1L,3.9
VIE III 06 23 06 47.4–.33 41.48N 19.52E 10 3.7s,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=13.0km s-min=10.9km az=19.0.
TIR Error ellipse: s-maj=6.5km s-min=22.8km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=3.8km az=82.3.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=24.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.0km az=193.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=22.0.
ROM Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=138.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.0km az=299.0.
VIE Error ellipse: s-maj=4.0km s-min=2.3km az=37.0. 21 km NNE of Durres .
ISC III 06 23 11 31.6–1.1 41.11N–.02 19.47E–.02 11–8 111 0-45
IDC III 06 23 11 23.0–17 40.37N 19.04E 0 3.5b,3.4 **¶12086129**
BEO III 06 23 11 30.3–.87 41.00N 19.45E 3–2 3.2L,3.4
CSEM III 06 23 11 30.4–.25 41.04N 19.46E 2 3.2L,3.4
PDG III 06 23 11 34.0–.30 41.25N 19.58E 11–0 3.1L,3.4
ATH III 06 23 11 52.2 39.73N 20.01E 37–3 2.9,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=342.1km s-min=26.2km az=35.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=14.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=90.0.
ATH Error ellipse: s-maj=5.6km s-min=2.6km az=-1.0.
ISC III 07 00 11 02.0–1.2 41.13N–.03 19.50E–.02 11–8 105 0-5
TIR III 07 00 11 00.6–3.0 41.12N 19.50E 18–13 2.9L **¶12086130**
BEO III 07 00 11 01.4–.85 41.04N 19.51E 5–2 2.8L
CSEM III 07 00 11 01.1–.31 41.08N 19.50E 2 2.9L
PDG III 07 00 11 05.6–.48 41.31N 19.63E 11–1 2.5L
ISC Event type ke.
TIR Error ellipse: s-maj=8.7km s-min=21.7km az=-1.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=29.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.3km az=0.0.
ISC III 07 18 51 20.4–.79 41.18N–.01 19.56E–.02 23–5 4.2b,3.8s 737 0-123
ATH III 07 18 51 16.8 41.39N 19.18E 30–6 4.3L,3.8s **¶11788786**
BJI III 07 18 51 16.5 41.55N 18.55E 35 5.2b,4.9s
SZGRF III 07 18 51 17.6 40.82N 19.24E 10 5.2b,4.9s
PRU III 07 18 51 17.7 40.68N 19.32E 29 4.1,4.9s
BEO III 07 18 51 18.2–.64 41.03N 19.42E 4–2 4.3L,4.9s
TIR III 07 18 51 19.0–4.2 41.15N 19.53E 25–72 4.4L,4.9s
MOS III 07 18 51 19.1–1.1 41.12N 19.32E 33 4.4b,4.9s
LDG III 07 18 51 19.3–.08 41.23N 19.52E 10 4.2L,4.9s
NEIC III 07 18 51 19.7–1.1 41.21N 19.50E 19–7 4.2L,4.1b
PDG III 07 18 51 20.6–.93 41.20N 19.52E 20–2 4.0,3.9L
ROM III 07 18 51 20.1–.14 41.18N 19.50E 10 4.1L,3.9L
CSEM III 07 18 51 21.3–.07 41.18N 19.48E 20 4.4b,4.1b
IDC III 07 18 51 21.9–2.5 41.19N 19.51E 33–18 4.0,3.9L
THE III 07 18 51 21.0 41.23N 19.43E 24–4 4.2L,3.9L
ISC Event type fe.
ATH Error ellipse: s-maj=3.5km s-min=4.4km az=-1.0.
SZGRF Albania.
BEO Event type ke.
TIR Error ellipse: s-maj=28.9km s-min=18.1km az=-1.0.
MOS Error ellipse: s-maj=5.3km s-min=3.6km az=89.3.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=16.0.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.2km az=188.0. Felt [II] at Tirana, Albania.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=90.0.
ROM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=135.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=42.0.
IDC Error ellipse: s-maj=14.2km s-min=9.9km az=25.0.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=0.8km az=298.0.
ISC III 08 04 56 39.8–1.3 41.18N–.04 19.50E–.04 10–10 31 0-5
ISCJB III 08 04 56 39.0–1.8 41.15N–.06 19.50E–.09 11–11 **¶12089826**
TIR III 08 04 56 40.6–1.7 41.15N 19.60E 16–6 3.2L
CSEM III 08 04 56 40.1–.36 41.20N 19.51E 10 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=7.8km az=44.7.
TIR Error ellipse: s-maj=4.0km s-min=9.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.0km az=11.0.
ISC III 09 00 30 12.9–.95 41.92N–.02 20.06E–.03 18–4 64 0-2
TIR III 09 00 30 11.2–.88 41.97N 20.06E 29–6 3.0L **¶12086133**
SKO III 09 00 30 12.4 42.04N 20.09E 1 3.0L
CSEM III 09 00 30 12.1–.24 41.90N 20.11E 19–0 3.0L
PDG III 09 00 30 13.4–.16 41.93N 20.00E 11–0 2.0L
ISC Event type ke.
TIR Error ellipse: s-maj=2.8km s-min=5.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=49.0.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.6km az=0.0.
ISC III 09 23 58 33.6–.97 41.27N–.01 20.55E–.01 8–7 3.3b 340 0-93
IDC III 09 23 58 31.9–1.1 41.15N 20.46E 0 3.6,3.6 **¶11938364**
SOF III 09 23 58 32.7 41.21N 20.56E 10 3.2,3.6
SKO III 09 23 58 32.8 41.22N 20.48E 15 3.8L,3.4
BEO III 09 23 58 32.8–.68 41.13N 20.55E 8–6 3.4L,3.4
ATH III 09 23 58 33.4 41.30N 20.57E 21–1 3.6L,3.4
ISCJB III 09 23 58 33.3–.36 41.26N–.01 20.49E–.02 10–2 3.4b,3.4
PDG III 09 23 58 33.7–.54 41.27N 20.56E 8–1 3.8L,3.8
LDG III 09 23 58 33.8–.12 41.30N 20.51E 10 3.5L,3.8
CSEM III 09 23 58 33.8–.08 41.26N 20.54E 2 3.6s,3.8
THE III 09 23 58 34.3 41.29N 20.60E 1–1 3.4L,3.8
VIE III 09 23 58 36.0–.43 41.42N 20.57E 10 3.6s,3.3b
PRU III 09 23 58 39.0 41.73N 20.77E 2 3.6s,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=16.5km az=175.0.
BEO Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=1.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=140.5.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=2.3km az=27.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=50.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=297.0.
VIE Error ellipse: s-maj=5.4km s-min=2.2km az=16.0.
ISC III 10 05 23 11.3–1.1 41.25N–.02 20.50E–.02 6–9 62 0-3
TIR III 10 05 23 03.2 41.20N 20.53E 9 2.4L **¶12089837**
SKO III 10 05 23 10.6 41.26N 20.49E 15 2.2L,1.9
THE III 10 05 23 11.3 41.29N 20.50E 5–1 2.6L,1.9
BEO III 10 05 23 11.1–1.4 41.05N 20.42E 9–5 2.4L,1.9
CSEM III 10 05 23 11.6–.25 41.25N 20.49E 2 2.6L,1.9
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=356.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=39.0.
ISC III 10 05 51 46.9–1.1 41.26N–.02 20.51E–.02 4–10 65 0-3
THE III 10 05 51 46.9 41.28N 20.52E 0–2 3.0L **¶14190212**
SKO III 10 05 51 46.3 41.25N 20.49E 15 2.5L,2.2
BEO III 10 05 51 46.6–.75 41.09N 20.49E 4–3 2.4L,2.2
CSEM III 10 05 51 47.3–.28 41.22N 20.48E 2 3.0L,2.2
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.6km az=292.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=41.0.
ISC III 10 06 09 17.3–1.2 41.23N–.03 20.51E–.03 6–11 39 0-2
BEO III 10 06 09 15.5–1.3 40.92N 20.48E 8–5 2.3L **¶14190213**
SKO III 10 06 09 16.7 41.23N 20.48E 15 2.2L,1.9
THE III 10 06 09 17.3 41.28N 20.51E 11–9 2.8L,1.9
CSEM III 10 06 09 17.4–.32 41.23N 20.50E 2 2.8L,1.9
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=9.9km s-min=0.5km az=344.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=37.0.
ISC III 10 07 02 13.3–1.2 41.24N–.03 20.52E–.02 4–14 46 0-3
SKO III 10 07 02 12.6 41.22N 20.49E 12 2.4L,2.1 **¶14190214**
BEO III 10 07 02 12.2–.82 40.99N 20.42E 6–5 2.3L,2.1
THE III 10 07 02 13.2 41.28N 20.51E 14–7 2.9L,2.1
CSEM III 10 07 02 13.4–.32 41.21N 20.51E 2 2.9L,2.1
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=7.9km s-min=0.5km az=354.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.1km az=20.0.
ISC III 10 07 29 46.0–1.2 41.16N–.04 19.72E–.04 18–5 44 0-3
TIR III 10 07 29 41.2 41.12N 19.43E 3 3.1L **¶12089838**
CSEM III 10 07 29 45.0–.64 41.20N 19.66E 5 2.4L
ISCJB III 10 07 29 46.6–.96 41.23N–.04 19.70E–.10 20–5 2.4L
SKO III 10 07 29 46.2 41.20N 19.64E 8 2.6L,2.2
BEO III 10 07 29 48.2–.55 41.37N 20.08E 5–3 2.4L,2.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=7.1km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=5.7km az=165.4.
BEO Event type ke.
ISC III 10 07 58 37.3–1.1 41.05N–.04 20.21E–.03 6–10 59 0-3
TIR III 10 07 58 36.4 41.12N 19.43E 20 2.7L **¶12089839**
CSEM III 10 07 58 36.7–.46 41.02N 20.21E 2 3.0L
THE III 10 07 58 37.3 41.09N 20.25E 0–3 3.0L
SKO III 10 07 58 37.6 41.00N 20.19E 0 2.3L,2.0
BEO III 10 07 58 39.1–.71 41.11N 20.29E 0 2.4L,2.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=4.0km az=37.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=268.0.
BEO Event type ke.
ISC III 10 08 32 57.7–.95 41.25N–.01 20.49E–.01 10–6 3.8b 447 0-122
ATH III 10 08 32 55.8 41.36N 20.49E 12–6 3.5 **¶13435901**
PDG III 10 08 32 56.4–.38 41.17N 20.50E 4–0 3.9,3.8L
BEO III 10 08 32 56.0–.50 41.03N 20.50E 6–2 3.9L,3.8L
IDC III 10 08 32 56.1–.84 41.24N 20.42E 0 3.9,3.9
TIR III 10 08 32 56.7 41.23N 20.46E 2 3.9L,3.9
SKO III 10 08 32 57.0 41.26N 20.49E 15 4.2L,3.8
ISCJB III 10 08 32 57.3–.34 41.28N–.01 20.46E–.02 10–2 3.8b,3.3s
THE III 10 08 32 57.7 41.30N 20.54E 0–1 4.0L,3.3s
CSEM III 10 08 32 57.5–.07 41.24N 20.49E 2 4.0s,3.3s
VIE III 10 08 32 58.3–.30 41.23N 20.42E 10 4.0s,3.5b
SOF III 10 08 32 58.3 41.30N 20.77E 2 3.4,3.5b
ROM III 10 08 32 58.5–.44 41.27N 20.39E 10 3.9L,3.5b
PRU III 10 08 32 59.1 41.31N 20.51E 0 3.9L,3.5b
ISC Event type ke.
ATH Error ellipse: s-maj=5.0km s-min=4.0km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0.
BEO Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=13.4km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=42.5.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=331.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=32.0.
VIE Error ellipse: s-maj=3.1km s-min=2.4km az=20.0. 50 km ESE of Tirana .
ROM Event type ke. Error ellipse: s-maj=7.5km s-min=3.1km az=76.0.
ISC III 10 12 23 01.8–1.1 41.28N–.02 20.51E–.02 0–10 65 0-3
TIR III 10 12 23 00.6 41.25N 20.45E 15 2.9L **¶12089840**
SKO III 10 12 23 00.8 41.27N 20.50E 10 2.6L,2.2
THE III 10 12 23 01.6 41.28N 20.51E 0–2 2.9L,2.2
CSEM III 10 12 23 01.6–.16 41.28N 20.50E 2 2.9L,2.2
BEO III 10 12 23 08.5–1.0 41.50N 20.61E 8–3 2.3L,2.2
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=318.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=48.0.
BEO Event type ke.
ISC III 10 13 34 09.1–1.0 41.28N–.02 20.52E–.02 8–9 61 0-3
TIR III 10 13 34 08.7 41.29N 20.52E 15 3.3L **¶12089842**
SKO III 10 13 34 08.2 41.28N 20.50E 11 2.6L,2.2
CSEM III 10 13 34 09.4–.25 41.27N 20.53E 2 3.3L,2.2
THE III 10 13 34 09.1 41.26N 20.50E 3–1 2.9L,2.2
BEO III 10 13 34 15.7–1.3 41.56N 20.71E 0 2.1L,2.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=50.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=349.0.
BEO Event type ke.
ISC III 10 19 26 18.9–1.0 41.25N–.02 20.49E–.02 10–9 77 0-3
ATH III 10 19 26 17.7 41.50N 20.33E 33 3.4 **¶12089845**
TIR III 10 19 26 17.8 41.23N 20.49E 32 2.8L
BEO III 10 19 26 17.4–.84 41.03N 20.48E 0 2.6L
SKO III 10 19 26 17.9 41.23N 20.48E 13 2.8L,2.3
THE III 10 19 26 18.6 41.28N 20.49E 5–1 3.4L,2.3
CSEM III 10 19 26 19.0–.25 41.20N 20.49E 2 3.4L,2.3
ISC Event type ke.
ATH Error ellipse: s-maj=21.0km s-min=9.7km az=-1.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=239.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.7km az=46.0.
ISC III 10 19 27 19.2–1.2 41.23N–.05 20.47E–.03 14–10 22 0-2
TIR III 10 19 27 18.9 41.24N 20.48E 32 2.6L **¶12086134**
SKO III 10 19 27 18.8 41.23N 20.49E 12 2.9L,2.4
CSEM III 10 19 27 18.8–.31 41.21N 20.47E 15 2.6L,2.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=3.8km az=19.0.
ISC III 10 19 27 50.5–1.2 41.16N–.04 20.46E–.02 5–9 116 0-8
SOF III 10 19 27 43.5 40.69N 20.50E 18 2.9 **¶12089846**
ISCJB III 10 19 27 49.8–.67 41.16N–.03 20.48E–.03 2–3 2.9
CSEM III 10 19 27 49.7–.35 41.10N 20.43E 2 3.8L
PDG III 10 19 27 50.9–.41 41.18N 20.41E 16–1 3.4L
TIR III 10 19 27 50.5 41.25N 20.50E 17 3.8L
SKO III 10 19 27 50.6 41.23N 20.48E 15 3.2L,2.8
BEO III 10 19 27 51.2–.78 41.08N 20.41E 10–4 3.1L,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.0km az=18.9.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.5km az=18.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=90.0.
BEO Event type ke.
ISC III 10 19 31 12.9–1.2 41.24N–.05 20.49E–.03 11–11 22 0-2
SKO III 10 19 31 12.8 41.27N 20.51E 12 2.5L,2.0 **¶12089847**
CSEM III 10 19 31 12.6–.31 41.20N 20.50E 19–0 2.2L,2.0
TIR III 10 19 31 13.1 41.24N 20.49E 3 3.0L,2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.2km az=22.0.
TIR III 10 20 11 11.7 41.85N 19.56E 3 2.6L
¶16392050

ISC III 10 20 14 58.4–1.4 41.84N–.06 19.56E–.05 16–12 16 0-2
TIR III 10 20 14 57.6 41.85N 19.55E 2 2.6L ¶12089850
CSEM III 10 20 14 58.3–.40 41.83N 19.54E 2 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=5.5km az=12.0.
ISC III 10 20 52 23.9–1.1 41.42N–.02 20.00E–.02 2–10 116 0-4
THE III 10 20 52 21.8 41.50N 19.72E 10–1 2.9L ¶12086135
TIR III 10 20 52 22.9 41.34N 20.48E 2 2.5L
BEO III 10 20 52 23.3–.78 41.24N 19.94E 3–2 2.4L
SKO III 10 20 52 24.8 41.42N 19.88E 5 2.4L,2.0
PDG III 10 20 52 24.0–.38 41.40N 20.00E 3–1 2.6L,2.0
CSEM III 10 20 52 24.3–.26 41.34N 19.95E 2 2.4L,2.0
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.6km az=289.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=36.0.
ISC III 10 22 10 29.4–.00 41.26N–.01 20.51E–.01 7–8 3.4b 270 0-59
TIR III 10 20 10 28.0 41.24N 20.48E 7 3.5L ¶12086136
BEO III 10 22 10 27.4–.64 41.06N 20.53E 5–3 3.1L
SKO III 10 22 10 28.6 41.22N 20.49E 15 3.5L,3.2
SOF III 10 22 10 28.5 41.69N 20.65E 2 3.4,3.2
IDC III 10 22 10 28.1–1.5 41.21N 20.53E 0 3.5,3.5s
ATH III 10 22 10 29.1 41.30N 20.52E 21–5 3.5,3.5s
CSEM III 10 22 10 29.5–.19 41.25N 20.54E 0–1 3.5L,3.5s
PDG III 10 22 10 29.6–.48 41.22N 20.40E 6–1 3.3L,3.5s
THE III 10 22 10 30.0 41.29N 20.52E 2–1 3.4L,3.5s
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=23.7km az=37.0.
ATH Error ellipse: s-maj=4.3km s-min=2.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=43.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.1km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=288.0.
ISC III 10 23 19 38.3–3.6 41.5N–.10 20.36E–.08 83–24 13 0-1
TIR III 10 23 19 43.5 41.24N 20.46E 31 2.5L ¶12089852
CSEM III 10 23 19 43.2–.18 41.32N 20.42E 40 2.5L
SKO III 10 23 19 44.2 41.36N 20.50E 9 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.6km az=21.0.
ISC III 11 02 15 56.3–1.4 41.24N–.05 20.49E–.03 12–12 22 0-1
SKO III 11 02 15 55.7 41.29N 20.50E 24 2.1L,1.6 ¶12089853
TIR III 11 02 15 56.2 41.24N 20.46E 4 2.6L,1.6
CSEM III 11 02 15 56.3–.39 41.22N 20.49E 15 2.6L,1.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=5.0km az=22.0.
TIR III 11 02 19 56.7 41.25N 20.47E 1 2.4L
CSEM III 11 02 19 56.4–.36 41.22N 20.49E 15 2.4L ¶12089854
SKO III 11 02 19 56.3 41.23N 20.49E 15 1.9L,1.4
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=4.7km az=21.0.
ISC III 11 02 48 48.0–1.0 40.31N–.02 19.56E–.02 13–7 3.5b 258 0-45
BEO III 11 02 48 45.7–1.2 40.07N 19.24E 15–6 3.3L ¶12086137
IDC III 11 02 48 47.9–1.3 40.65N 19.87E 0 3.5,3.4b
ATH III 11 02 48 47.9 40.20N 19.31E 38–3 3.4,3.4b
CSEM III 11 02 48 48.0–.10 40.31N 19.58E 2 4.3L,3.4b
PDG III 11 02 48 48.5–.30 40.27N 19.59E 19–1 3.2L,3.4b
TIR III 11 02 48 49.0 40.25N 19.61E 28 4.3L,3.4b
THE III 11 02 48 49.1 40.31N 19.65E 2–1 3.3L,3.4b
SKO III 11 02 48 50.3 40.30N 19.65E 19 3.2L,2.7
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=16.4km az=63.0.
ATH Error ellipse: s-maj=4.1km s-min=4.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=58.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=253.0.
ISC III 11 12 51 05.5–1.2 40.31N–.01 19.71E–.02 0–9 3.6b 268 0-45
ATH III 11 12 51 01.9 40.38N 19.41E 12–1 3.8 ¶12086138
TIR III 11 12 51 04.6 40.29N 19.79E 54 3.9L
THE III 11 12 51 05.4 40.29N 19.67E 0–2 3.5L
PDG III 11 12 51 05.8–.29 40.29N 19.58E 12–0 3.0L
CSEM III 11 12 51 05.4–.18 40.27N 19.67E 2 3.9L
IDC III 11 12 51 06.5–2.2 40.37N 19.76E 0 3.6L,3.6
SKO III 11 12 51 07.8 40.25N 19.79E 10 3.6L,3.6
BEO III 11 12 51 18.0–1.3 41.08N 20.28E 0 2.6L,3.6
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=267.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.3km az=67.0.
IDC Error ellipse: s-maj=32.4km s-min=17.3km az=27.0.
BEO Event type ke.
ISC III 11 15 45 41.1–1.0 41.26N–.02 20.52E–.02 9–9 70 0-3
BEO III 11 15 45 36.9–.89 40.93N 20.55E 8–3 2.4L ¶14190254
ISCJB III 11 15 45 40.4–.56 41.23N–.03 20.51E–.04 3–5 2.4L
SKO III 11 15 45 40.1 41.27N 20.50E 11 2.5L,2.0
CSEM III 11 15 45 40.7–.22 41.23N 20.48E 10 3.1L,2.0
THE III 11 15 45 41.0 41.25N 20.51E 2–1 3.1L,2.0
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=41.7.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=47.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=300.0.
ISC III 12 18 55 47.2–.88 41.31N–.02 20.03E–.02 15–6 145 0-8
ATH III 12 18 55 44.8 41.54N 19.80E 45 3.4 ¶12086139
ISCJB III 12 18 55 46.0–.40 41.30N–.02 20.08E–.03 5–2 3.4
TIR III 12 18 55 45.1 41.29N 20.03E 10 3.2L
PDG III 12 18 55 47.0–.71 41.34N 19.99E 11–1 2.8L
CSEM III 12 18 55 46.5–.13 41.30N 20.07E 5 3.4
BEO III 12 18 55 47.0–.57 41.30N 20.05E 10–2 2.7L
SKO III 12 18 55 47.6 41.30N 20.08E 5 2.8L,2.5
ISC Event type ke.
ATH Error ellipse: s-maj=10.0km s-min=12.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=149.4.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.4km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=63.0.
BEO Event type ke.
ISC III 12 22 25 47.8–1.9 41.06N–.08 20.13E–.06 7–13 15 0-1
TIR III 12 22 25 47.1 41.05N 20.19E 3 2.6L ¶12089857
CSEM III 12 22 25 47.8–.56 41.07N 20.16E 15 2.6L
SKO III 12 22 25 49.0 41.13N 20.19E 8 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.3km s-min=5.4km az=30.0.
ISC III 13 23 33 15.6–.60 41.93N–.02 19.70E–.02 71–4 3.6b 418 0-73
LDG III 13 23 33 13.9–.11 41.92N 19.70E 30 3.7L ¶13436224
ATH III 13 23 33 13.8 41.95N 19.67E 46 3.7
ROM III 13 23 33 14.7–.18 41.92N 19.67E 77–3 3.4L
ISCJB III 13 23 33 14.1–.14 41.94N–.01 19.65E–.02 80–2 3.7b
PDG III 13 23 33 14.9–.36 41.90N 19.72E 68–1 3.4,3.3L
CSEM III 13 23 33 15.2–.08 41.93N 19.66E 71–1 4.2L,3.8L
TIR III 13 23 33 15.4 41.92N 19.72E 64 3.8L,3.8L
THE III 13 23 33 15.2 41.95N 19.72E 67–2 3.4L,3.8L
PRU III 13 23 33 16.3 42.28N 19.72E 0 3.4L,3.8L
BEO III 13 23 33 16.4–.28 42.05N 19.87E 24–2 3.5L,3.8L
IDC III 13 23 33 17.0–1.9 42.11N 19.70E 68–17 3.5b,3.5
SKO III 13 23 33 18.3 41.84N 19.96E 33 3.2L,2.8
SOF III 13 23 33 19.9 42.09N 20.61E 2 3.3,2.8
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=142.0.
ATH Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0.
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=35.3.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=30.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=107.0.
BEO Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=12.5km az=1.0.
ISC III 15 08 47 37.0–1.1 41.82N–.03 19.32E–.03 5–8 98 0-6
CSEM III 15 08 47 35.9–.35 41.78N 19.29E 2 2.4L ¶12086143
BEO III 15 08 47 36.8 41.62N 19.17E 26 2.6L
PDG III 15 08 47 36.0–.12 41.81N 19.40E 10–0 2.4L,2.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.4km az=37.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.2km az=0.0.
ISC III 17 01 12 20.2–1.1 41.02N–.02 19.93E–.03 4–10 74 0-2
TIR III 17 01 12 19.9–2.7 40.91N 19.98E 13–56 2.5L ¶12086146
THE III 17 01 12 20.2 41.03N 19.89E 0–3 2.5L
CSEM III 17 01 12 20.1–.27 41.03N 19.93E 2 2.5L
PDG III 17 01 12 23.3–.21 41.17N 19.81E 11–0 2.5L
ISC Event type ke.
TIR Error ellipse: s-maj=5.9km s-min=21.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.1km az=306.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=79.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=90.0.
ISC III 17 04 30 49.3–2.4 41.01N–.10 20.02E–.09 9–11 18 0-2
CSEM III 17 04 30 48.1 40.98N 20.16E 6 ¶12703492
TIR III 17 04 30 48.1–1.8 40.98N 20.16E 6–999
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIR.
TIR Error ellipse: s-maj=10.6km s-min=14.4km az=-1.0.
ISC III 17 14 56 26.5–1.1 40.15N–.02 19.85E–.04 5–9 62 0-2
TIR III 17 14 56 22.4–2.7 40.15N 19.84E 7–11 3.4L ¶12089872
ATH III 17 14 56 24.8 40.21N 19.69E 12–3 3.3
THE III 17 14 56 26.3 40.16N 19.84E 0–1 2.3L
CSEM III 17 14 56 26.5–.32 40.16N 19.84E 2 3.4L
ISC Event type ke.
TIR Error ellipse: s-maj=6.1km s-min=16.0km az=-1.0.
ATH Error ellipse: s-maj=2.9km s-min=2.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=292.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.5km az=99.0.
ISC III 18 16 20 35.4–.63 41.16N–.01 19.52E–.02 18–3 4.1b,3.3s 468 0-92
ATH III 18 16 20 30.1 41.31N 19.28E 5–4 3.8,3.3s ¶12025746
IDC III 18 16 20 32.7–.81 41.22N 19.52E 0 4.0,3.9b
MOS III 18 16 20 33.5–.86 40.94N 19.30E 33 4.3b,3.9b
PDG III 18 16 20 35.0–.40 41.10N 19.54E 11–0 3.8L,3.8
LDG III 18 16 20 35.1–.10 41.17N 19.52E 10 4.1L,3.8
THE III 18 16 20 35.8 41.17N 19.52E 5–1 4.1L,3.8
BEO III 18 16 20 36.6–1.1 41.16N 19.53E 11–4 3.7L,3.8
CSEM III 18 16 20 36.6–.10 41.15N 19.43E 20 4.3b,3.7s
VIE III 18 16 20 37.9–.45 41.40N 19.45E 10 3.7s,3.3b
TIR III 18 16 20 37.3–3.0 41.20N 19.67E 20–19 4.0L,3.3b
PRU III 18 16 20 38.4 41.59N 19.89E 0 4.0L,3.3b
ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=16.0km s-min=11.5km az=29.0.
MOS Error ellipse: s-maj=10.3km s-min=5.5km az=69.6.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.7km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=16.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=303.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=50.0.
VIE Error ellipse: s-maj=5.4km s-min=2.6km az=24.0. 11 km N of Durres .
TIR Error ellipse: s-maj=4.6km s-min=16.0km az=-1.0.
ISC III 19 01 43 52.9–3.2 40.9N–.20 19.7E–.10 31–16 28 1-5
CSEM III 19 01 43 52.0–1.4 40.86N 19.57E 19–0 2.5L ¶12089874
TIR III 19 01 43 53.9–1.6 40.93N 19.45E 30–15 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=23.6km s-min=18.2km az=172.0.
TIR Error ellipse: s-maj=10.5km s-min=18.4km az=-1.0.
ISC III 25 12 23 23.4–.41 40.29N–.01 19.63E–.02 14–2 4.4s,4.2b 800 0-123
BJI III 25 12 23 19.0 40.30N 19.70E 10 4.9b,4.8b ¶12058425
IDC III 25 12 23 21.5–.63 40.39N 19.70E 0 4.4L,4.2
SKO III 25 12 23 22.6 40.03N 19.70E 0 4.0L,3.5
TIR III 25 12 23 23.6 40.22N 19.56E 28 4.4L,3.5
LDG III 25 12 23 23.6–.09 40.37N 19.59E 10 4.3L,3.5
MOS III 25 12 23 23.9–1.1 40.31N 19.40E 33 4.3b,3.5
PDG III 25 12 23 24.4–.94 40.36N 19.66E 18–2 3.9L,3.5
ATH III 25 12 23 24.4 40.26N 19.57E 26–1 4.3L,3.8
ROM III 25 12 23 25.9–.17 40.25N 19.65E 31–3 4.3L,3.8
PRU III 25 12 23 25.9 40.38N 19.57E 8 4.5,3.8
CSEM III 25 12 23 25.6–.07 40.34N 19.61E 20 3.8s,3.7
THE III 25 12 23 25.5 40.31N 19.64E 11–1 4.4L,3.7
NEIC III 25 12 23 25.5 40.31N 19.64E 11 4.5b,4.3L
BEO III 25 12 23 26.0–.69 40.23N 19.51E 3.9L,4.3L
VIE III 25 12 23 27.9–.28 40.66N 19.52E 10 3.8s,3.8b
SOF III 25 12 23 32.8 40.73N 20.48E 2 3.7,3.8b
ISC Event type fe.
IDC Error ellipse: s-maj=15.1km s-min=11.3km az=66.0.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=28.0.
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=91.7.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=90.0.
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=88.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=32.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=258.0.
NEIC Event type fe. Felt at Berat, Elbasan and Orikum. After THE.
BEO Event type ke.
VIE Error ellipse: s-maj=4.3km s-min=1.7km az=37.0.
TIR III 25 12 27 14.5 40.29N 19.58E 17 4.0L
CSEM III 25 12 27 17.9 39.57N 19.79E 44 2.9 ¶12089879
ATH III 25 12 27 17.9 39.57N 19.79E 44–1 2.9
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
TIR III 30 19 48 48.3–2.3 41.09N 20.59E 2–999 2.8L
CSEM III 30 19 48 46.9–1.3 40.86N 19.71E 15 2.8L ¶12089889
TIR Error ellipse: s-maj=28.9km s-min=122.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=32.0km s-min=9.8km az=132.0.
ISC IV 02 05 45 22.0–1.0 41.16N–.01 19.58E–.02 8–9 199 0-8
TIR IV 02 05 45 19.8–1.3 41.13N 19.48E 20–21 3.2L ¶12840156
ATH IV 02 05 45 20.4 41.26N 19.32E 28–12 3.5
PDG IV 02 05 45 22.2–.39 41.17N 19.59E 11–0 3.0L
ROM IV 02 05 45 22.2–.18 41.16N 19.62E 10 2.9,2.9L
SKO IV 02 05 45 23.0 41.15N 19.63E 13 3.0L,2.7
ISCJB IV 02 05 45 23.3–.43 41.17N–.02 19.55E–.02 19–4 3.0L,2.7
BEO IV 02 05 45 23.1–.83 41.16N 19.62E 14–2 2.8L,2.7
THE IV 02 05 45 23.4 41.30N 19.47E 31–19 3.3L,2.7
CSEM IV 02 05 45 24.0–.12 41.18N 19.55E 20 2.9,2.7
ISC Event type ke.
TIR Error ellipse: s-maj=7.6km s-min=12.9km az=-1.0.
ATH Error ellipse: s-maj=8.7km s-min=7.1km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
ROM Event type ke. Error ellipse: s-maj=3.6km s-min=2.0km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=150.3.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=19.0km s-min=0.9km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=24.0.
ISC IV 06 00 31 28.8–1.1 41.44N–.02 19.11E–.02 9–9 161 1-5
SKO IV 06 00 31 27.3 41.38N 18.98E 0 2.9L,2.5 ¶12840162
ISCJB IV 06 00 31 28.5–.49 41.45N–.02 19.10E–.03 8–3 2.9L,2.5
TIR IV 06 00 31 28.8–6.9 41.58N 19.32E 0–203 2.9L,2.5
CSEM IV 06 00 31 28.7–.17 41.44N 19.12E 5 2.6L,2.5

PDG IV 06 00 31 30.7–.16 41.54N 19.18E 11–0 2.9L,2.5
THE IV 06 00 31 30.1 41.46N 19.17E 12–3 2.7L,2.5
BEO IV 06 00 31 33.2–.63 41.59N 19.40E 5–2 2.6L,2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=155.2.
TIR Error ellipse: s-maj=14.8km s-min=53.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.3km az=65.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=5.3km s-min=1.8km az=305.0.
BEO Event type ke.
ISC IV 07 13 49 52.6–.91 41.44N–.02 19.47E–.02 23–7 3.8b 191 0-70
IDC IV 07 13 49 46.3–2.5 41.24N 19.20E 0 3.7b,3.6 **¶12840167**
THE IV 07 13 49 52.8 41.48N 19.50E 10–1 3.2L,3.6
ROM IV 07 13 49 52.0–.06 41.41N 19.44E 10 3.5L,3.6
CSEM IV 07 13 49 52.1–.12 41.46N 19.47E 10 3.2L,3.6
ISCJB IV 07 13 49 52.9–.43 41.46N–.02 19.46E–.02 24–4 3.6b,2.9s
PDG IV 07 13 49 52.1–.34 41.45N 19.54E 11–0 3.3,3.1L
BEO IV 07 13 49 53.3–1.4 41.47N 19.59E 18–4 3.2L,3.1L
SKO IV 07 13 49 53.1 41.45N 19.52E 14 3.3L,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=41.8km s-min=18.8km az=19.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=323.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=10.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=167.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=29.5.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
BEO Event type ke.
ISC IV 07 16 00 32.4–1.2 41.48N–.04 19.56E–.03 13–9 72 0-3
TIR IV 07 16 00 31.6–.32 41.46N 19.57E 20–400 3.2L **¶12840166**
CSEM IV 07 16 00 31.7–.51 41.44N 19.56E 2 2.4L
PDG IV 07 16 00 32.5–.30 41.49N 19.57E 11–0 2.5L
BEO IV 07 16 00 34.6–.35 41.58N 19.85E 5–4 2.4L
ISC Event type ke.
TIR Error ellipse: s-maj=4.7km s-min=5.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=5.3km az=34.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.7km az=0.0.
BEO Event type ke.
ISC IV 07 16 43 48.5–1.9 41.28N–.09 19.59E–.04 25–10 51 0-3
TIR IV 07 16 43 30.1–2.4 41.45N 19.56E 33–14 3.1L **¶12840165**
CSEM IV 07 16 43 49.8–.65 41.37N 19.56E 2 3.1L
PDG IV 07 16 43 54.1–.20 41.58N 19.51E 11–0 2.1L
ISC Event type ke.
TIR Error ellipse: s-maj=8.0km s-min=20.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=5.9km az=30.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0.
ISC IV 08 09 44 31.7–1.9 41.07N–.07 19.64E–.04 10–9 55 0-3
ISCJB IV 08 09 44 31.4–1.0 41.12N–.05 19.72E–.04 4–3 **¶12840171**
CSEM IV 08 09 44 32.7–.59 41.12N 19.72E 10 2.2L
SKO IV 08 09 44 33.9 41.20N 19.73E 13 2.2L
PDG IV 08 09 44 33.3–.14 41.13N 19.59E 18–0 2.5L
BEO IV 08 09 44 35.8–.88 41.35N 19.69E 5–2 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.4km az=27.0.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=5.6km az=29.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=0.0.
BEO Event type ke.
ISC IV 08 15 24 19.3–1.8 40.22N–.04 19.52E–.08 5–11 60 1-8
ATH IV 08 15 24 19.1 40.22N 19.47E 7–1 3.4 **¶14190872**
CSEM IV 08 15 24 19.0–1.1 40.26N 19.37E 2 2.5L
SKO IV 08 15 24 20.9 40.08N 19.46E 0 2.5L
THE IV 08 15 24 22.2 40.15N 19.76E 0–1 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=23.8km s-min=10.1km az=105.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=291.0.
ISC IV 09 16 59 31.4–1.1 41.14N–.02 19.57E–.03 10–8 89 0-2
CSEM IV 09 16 59 30.9–.21 41.12N 19.53E 2 2.7L **¶12840174**
TIR IV 09 16 59 30.5 41.12N 19.63E 0 2.7L
THE IV 09 16 59 30.5 41.30N 19.40E 16–1 2.6L
PDG IV 09 16 59 31.8–.36 41.18N 19.57E 9–0 2.7L
SKO IV 09 16 59 32.1 41.14N 19.57E 6 2.4L,1.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=60.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=308.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
ISC IV 11 08 51 59.6–1.2 40.57N–.02 19.70E–.04 11–10 93 1-4
TIR IV 11 08 51 57.1 40.64N 19.29E 0 3.5L **¶12855529**
THE IV 11 08 51 58.9 40.63N 19.64E 2–1 2.8L
ATH IV 11 08 51 59.5 40.56N 19.46E 41–3 3.4
CSEM IV 11 08 52 00.9–.26 40.57N 19.61E 20–0 3.4
BEO IV 11 08 52 00.3–.96 40.65N 19.68E 0 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.2km az=134.0.
ATH Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.4km az=87.0.
BEO Event type ke.
ISC IV 11 21 03 41.7–.82 41.34N–.02 20.05E–.03 13–7 72 0-3
TIR IV 11 21 03 19.0 41.24N 20.06E 0 3.2L **¶12855527**
BEO IV 11 21 03 40.5–1.4 41.26N 20.00E 16–9 2.0L
ISCJB IV 11 21 03 41.2–.45 41.34N–.03 20.04E–.04 13–4 2.0L
SKO IV 11 21 03 41.3 41.25N 20.01E 10 2.0L
CSEM IV 11 21 03 41.3–.23 41.34N 20.06E 10 3.3
ATH IV 11 21 03 41.7 41.28N 19.91E 34 3.3
THE IV 11 21 03 41.6 41.32N 20.05E 7–2 2.1L
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=42.2.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=72.0.
ATH Error ellipse: s-maj=8.7km s-min=7.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.0km az=32.0.
ISC IV 17 17 56 58.5–2.6 40.36N–.06 19.6E–.10 1–13 25 1-3
ATH IV 17 17 56 57.9 40.39N 19.48E 9–3 3.1 **¶14694316**
SKO IV 17 17 56 58.9 40.33N 19.45E 0 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=3.2km s-min=4.0km az=-1.0.
SKO IV 22 22 45 15.5 41.34N 19.65E 14
¶14694522
ISC IV 24 04 40 44.9–.99 41.22N–.02 20.27E–.02 7–8 153 0-8
BEO IV 24 04 40 40.8–.85 40.82N 19.92E 0 2.7L **¶12832528**
SKO IV 24 04 40 43.6 41.19N 20.29E 10 2.8L,2.2
TIR IV 24 04 40 43.9 41.21N 20.27E 1 3.1L,2.2
THE IV 24 04 40 44.5 41.22N 20.30E 0–2 2.9L,2.2
PDG IV 24 04 40 45.0–.27 41.16N 20.15E 10–0 2.7L,2.2
ATH IV 24 04 40 44.1 41.34N 20.31E 19–1 3.4,2.2
CSEM IV 24 04 40 45.1–.17 41.22N 20.28E 2 3.1L,2.2
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.5km az=306.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
ATH Error ellipse: s-maj=1.3km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.8km az=53.0.
ISC IV 25 19 01 32.6–.89 41.24N–.02 19.97E–.02 7–7 154 0-5
TIR IV 25 19 01 31.6 41.25N 19.96E 1 2.9L **¶12832530**
CSEM IV 25 19 01 32.7–.22 41.25N 19.96E 2 2.9L
ATH IV 25 19 01 32.5 41.31N 20.01E 5–2 3.2
BEO IV 25 19 01 32.8–.85 41.21N 19.96E 0 2.3L
THE IV 25 19 01 32.8 41.25N 19.99E 0–2 2.7L
PDG IV 25 19 01 32.9–.40 41.26N 19.93E 11–0 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.0km az=50.0.
ATH Error ellipse: s-maj=1.6km s-min=1.2km az=-1.0.

BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.5km az=234.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
ISC IV 26 16 05 07.3–.88 41.46N–.02 19.99E–.02 16–6 90 0-5
TIR IV 26 16 05 05.3 41.44N 20.03E 1 3.4L **¶12832533**
CSEM IV 26 16 05 06.8–.35 41.48N 20.01E 2 3.4L
PDG IV 26 16 05 06.9–.26 41.44N 19.94E 18–0 2.3L
SKO IV 26 16 05 06.3 41.55N 19.92E 10 2.3L
BEO IV 26 16 05 08.6–.47 41.45N 20.02E 6–4 2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.2km az=11.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
BEO Event type ke.
ISC IV 28 09 12 13.3–1.1 41.90N–.02 20.25E–.02 1–10 88 0-3
PDG IV 28 09 12 13.3–.23 41.89N 20.22E 8–0 2.8L **¶12832537**
CSEM IV 28 09 12 13.1–.23 41.88N 20.25E 2 2.4L
TIR IV 28 09 12 13.7 41.91N 20.14E 1 2.4L
SKO IV 28 09 12 13.4 41.83N 20.34E 15 2.4L,2.0
BEO IV 28 09 12 15.0–.31 41.93N 20.28E 5–4 2.4L,2.0
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.4km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=27.0.
BEO Event type ke.
ISC IV 29 04 24 44.0–1.4 41.79N–.04 19.44E–.04 3–10 47 0-3
TIR IV 29 04 24 14.4 41.84N 19.52E 1 3.4L **¶12847808**
CSEM IV 29 04 24 44.5–.30 41.83N 19.45E 2 3.4L
ISCJB IV 29 04 24 45.0–.80 41.83N–.03 19.51E–.05 6–4 3.4L
BEO IV 29 04 24 45.0–.65 41.77N 19.34E 15–4 2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=145.6.
BEO Event type ke.
ISC V 03 00 49 49.0–1.1 41.33N–.05 20.36E–.04 9 16 0-1
TIR V 03 00 49 38.2 41.31N 20.34E 8 2.5L **¶13439292**
SKO V 03 00 49 48.6 41.35N 20.34E 12 2.5L
CSEM V 03 00 49 49.0–.24 41.31N 20.33E 15 2.5L
ISCJB V 03 00 49 49.0–.85 41.30N–.05 20.34E–.05 9 2.5L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 11 09 05 37.0–1.0 41.25N–.02 20.86E–.02 9–9 114 0-3
ATH V 11 09 05 35.6 41.36N 20.87E 7–2 3.3 **¶12906367**
SKO V 11 09 05 36.6 41.30N 20.82E 0 3.3
TIR V 11 09 05 36.1–1.4 41.24N 20.83E 6–999 3.0L
PDG V 11 09 05 37.6–.42 41.27N 20.95E 6–0 2.8L
BEO V 11 09 05 38.3–.49 41.23N 20.88E 0 2.4L
CSEM V 11 09 05 38.0–.16 41.22N 20.93E 2 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
TIR Error ellipse: s-maj=4.0km s-min=8.8km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=51.0.
ISC V 15 02 49 50.5–1.2 41.06N–.05 20.06E–.06 26–10 35 0-1
ISCJB V 15 02 49 50.9–.94 41.09N–.06 20.05E–.09 31–7 **¶12952799**
TIR V 15 02 49 50.6 41.11N 20.11E 27 2.5L
CSEM V 15 02 49 50.6–.40 41.08N 20.05E 30 2.5L
THE V 15 02 49 51.3 41.18N 20.23E 17–15 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.5km az=142.2.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=4.9km az=55.0.
THE Event type ke. Error ellipse: s-maj=16.7km s-min=0.4km az=305.0.
ISC V 18 01 25 10.6–1.1 41.41N–.02 19.49E–.02 6–9 108 0-5
SKO V 18 01 25 09.0 41.53N 19.44E 0 **¶12906372**
ISCJB V 18 01 25 09.6–.56 41.41N–.02 19.48E–.03 1–4
THE V 18 01 25 10.9 41.45N 19.54E 6–2 2.5L
CSEM V 18 01 25 10.2–.19 41.41N 19.49E 2 2.1L
BEO V 18 01 25 12.3–.90 41.40N 19.57E 4–4 2.1L
PDG V 18 01 25 12.4–.31 41.51N 19.45E 4–1 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=141.3.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.8km az=313.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.6km az=56.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.6km az=0.0.
ISC V 19 07 42 56.6–1.0 41.95N–.05 19.24E–.03 15–5 44 0-1
TIR V 19 07 42 54.4–.35 41.96N 19.15E 30–6 2.8L **¶12906374**
ISCJB V 19 07 42 56.3–.84 41.93N–.04 19.23E–.04 12–5 2.8L
CSEM V 19 07 42 56.4–.35 41.92N 19.23E 10 1.7L
PDG V 19 07 42 57.4–.15 41.98N 19.24E 11–1 1.8,1.7L
ISC Event type ke.
TIR Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.3km az=22.2.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=3.5km az=21.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=90.0.
ISC V 20 03 14 08.9–1.4 41.45N–.04 19.51E–.04 14–9 60 0-5
TIR V 20 03 14 07.7–.78 41.47N 19.49E 26–5 3.2L **¶12906377**
ISCJB V 20 03 14 08.7–1.0 41.38N–.05 19.49E–.06 22–6 3.2L
CSEM V 20 03 14 09.3–.58 41.43N 19.53E 20 2.1L
PDG V 20 03 14 10.6–.22 41.55N 19.67E 11–0 2.0L
BEO V 20 03 14 11.4–.55 41.59N 19.74E 5–6 2.1L
ISC Event type ke.
TIR Error ellipse: s-maj=2.7km s-min=6.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.9km az=35.1.
CSEM Event type ke. Error ellipse: s-maj=12.4km s-min=6.1km az=33.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
BEO Event type ke.
TIR V 21 01 38 34.5–.62 42.00N 20.28E 7–182 2.5L
¶12952809
TIR Error ellipse: s-maj=2.7km s-min=4.3km az=-1.0.
ISC V 21 12 11 03.3–1.1 41.05N–.02 20.52E–.02 0–10 139 0-8
ATH V 21 12 11 01.4 41.18N 20.50E 14–2 3.1 **¶12906380**
SKO V 21 12 11 02.3 40.98N 20.49E 6 2.7L,2.4
TIR V 21 12 11 02.3 41.05N 20.52E 7 3.4L,2.4
CSEM V 21 12 11 03.3–.16 40.99N 20.52E 0–1 3.4L,2.4
PDG V 21 12 11 04.0–.51 41.00N 20.48E 11–1 2.7L,2.4
BEO V 21 12 11 04.7–.87 41.07N 20.49E 3–4 2.7L,2.4
ISC Event type ke.
ATH Error ellipse: s-maj=3.2km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=49.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.2km az=0.0.
BEO Event type ke.
ISC V 21 13 26 06.6–1.0 41.05N–.01 20.53E–.01 4–9 176 0-8
TIR V 21 13 26 05.2 41.03N 20.49E 4 3.4L **¶14695375**
SKO V 21 13 26 06.2 41.08N 20.53E 7 3.1L,2.8
ATH V 21 13 26 06.1 41.13N 20.49E 7–6 3.7,2.8
BEO V 21 13 26 06.1–.64 40.93N 20.57E 1–3 3.1L,2.8
PDG V 21 13 26 06.4–.41 41.05N 20.51E 4–0 3.3L,2.8
CSEM V 21 13 26 06.7–.16 41.02N 20.51E 2 3.4L,2.8
ISC Event type ke.
ATH Error ellipse: s-maj=7.1km s-min=4.9km az=-1.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=55.0.
ISC V 21 13 31 04.9–1.1 41.05N–.02 20.54E–.02 5–10 116 0-4
SKO V 21 13 31 03.8 41.06N 20.50E 7 2.9L,2.7 **¶12906382**
TIR V 21 13 31 04.6 41.07N 20.54E 6 3.5L,2.7
PDG V 21 13 31 04.6–.49 41.03N 20.56E 8–0 3.2L,2.7
ATH V 21 13 31 04.9 41.07N 20.53E 19–3 3.4,2.7
BEO V 21 13 31 04.2–.77 40.96N 20.55E 2–4 3.0L,2.7
CSEM V 21 13 31 04.7–.19 41.05N 20.52E 2 3.5L,2.7

ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=2.7km az=0.0.
ATH Error ellipse: s-maj=3.0km s-min=2.9km az=-1.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=57.0.

ISC	**V**	**22 11 51 15.6–1.2**	**41.80N–.05**	**19.77E–.04**	**17–9**		**24**	**0-2**
TIR	V	22 11 51 14.2	41.80N	19.78E	28	2.7L		¶12906385
PDG	V	22 11 51 16.2–.31	41.86N	19.77E	9–1	2.0L		

ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.

ISC	**V**	**26 19 11 07.0–1.1**	**41.20N–.02**	**20.25E–.02**	**0–9**		**261**	**0-8**
TIR	V	26 19 11 03.5–.61	41.18N	20.22E	7–301	3.6L		¶12906394
ATH	V	26 19 11 04.0	41.45N	20.26E	16–2	3.7		
BEO	V	26 19 11 05.9–.70	41.09N	20.22E	0–3	3.5L		
ISCJB	V	26 19 11 06.1–.41	41.21N–.02	20.21E–.02	3–3	3.5L		
PDG	V	26 19 11 06.8–.48	41.22N	20.22E	6–0	3.5,3.4L		
SKO	V	26 19 11 06.6	41.14N	20.31E	8	3.4L,3.0		
THE	V	26 19 11 07.0	41.21N	20.27E	0–2	3.4L,3.0		
CSEM	V	26 19 11 07.3–.12	41.19N	20.24E	2	3.6L,3.0		

ISC Event type ke.
TIR Error ellipse: s-maj=1.8km s-min=3.8km az=-1.0.
ATH Error ellipse: s-maj=2.4km s-min=1.8km az=-1.0.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=1.9km az=140.5.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=292.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=58.0.

ISC	**V**	**27 17 22 11.7–1.4**	**41.18N–.03**	**20.21E–.04**	**1–11**		**32**	**0-3**
TIR	V	27 17 22 10.7–1.1	41.20N	20.20E	20–12	2.7L		¶12952820
CSEM	V	27 17 22 11.9–.58	41.17N	20.15E	2	2.7L		
BEO	V	27 17 22 12.0–.97	41.07N	20.17E	0	2.0L		
SKO	V	27 17 22 32.1	41.36N	22.72E	0	1.1L,0.9		

ISC Event type ke.
TIR Error ellipse: s-maj=2.7km s-min=5.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=8.4km az=48.0.
BEO Event type ke.

ISC	**V**	**27 20 34 47.8–.95**	**41.17N–.02**	**20.22E–.01**	**5–6**	**4.0b**	**533**	**0-123**
PRU	V	27 20 34 45.2	40.96N	20.58E	0	4.0b		¶12866341
IDC	V	27 20 34 47.0–.84	41.13N	20.26E	0	4.0,3.9		
ISCJB	V	27 20 34 47.9–.31	41.18N–.01	20.19E–.02	13–2	4.1b,3.4s		
PDG	V	27 20 34 47.7–.39	41.18N	20.24E	6–0	4.0,3.9L		
TIR	V	27 20 34 47.5–6.9	41.21N	20.15E	20–242	3.7L,3.9L		
THE	V	27 20 34 47.8	41.23N	20.27E	2–1	3.9L,3.9L		
BEO	V	27 20 34 47.5–.53	41.03N	20.24E	9–2	3.7L,3.9L		
ROM	V	27 20 34 47.9–.34	41.19N	20.20E	10	3.4L,3.9L		
CSEM	V	27 20 34 48.1–.07	41.17N	20.20E	5	4.2b,3.9L		
MOS	V	27 20 34 48.9–1.1	41.22N	20.19E	21	4.2b,3.9L		
LDG	V	27 20 34 48.7–.08	41.24N	20.22E	10	3.9L,3.9L		
SKO	V	27 20 34 48.5	41.18N	20.21E	7	3.9L,3.6		
ATH	V	27 20 34 49.6	41.14N	20.36E	19–4	3.4,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=10.9km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=44.2.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
TIR Error ellipse: s-maj=9.7km s-min=25.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=253.0.
BEO Event type ke.
ROM Event type ke. Error ellipse: s-maj=5.3km s-min=2.3km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=39.0.
MOS Error ellipse: s-maj=11.0km s-min=5.1km az=86.4.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=24.0.
ATH Error ellipse: s-maj=6.7km s-min=7.4km az=-1.0.

ISC	**V**	**28 08 43 34.1–1.0**	**41.22N–.01**	**20.30E–.02**	**4–8**		**290**	**0-44**
IDC	V	28 08 43 28.0–3.6	40.73N	19.84E	0	3.9,3.8		¶12906396
ATH	V	28 08 43 30.3	41.42N	20.16E	8–2	3.7,3.8		
TIR	V	28 08 43 32.8–.96	41.21N	20.28E	38–544	3.8L,3.8		
BEO	V	28 08 43 32.6–.48	41.06N	20.27E	0	3.7L,3.8		
SKO	V	28 08 43 32.9	41.22N	20.29E	5	3.8L,3.3		
PDG	V	28 08 43 33.9–.54	41.23N	20.28E	5–0	3.8,3.7L		
THE	V	28 08 43 34.6	41.23N	20.34E	0–2	3.5L,3.7L		
CSEM	V	28 08 43 34.2–.11	41.21N	20.28E	2	3.8L,3.7L		

ISC Event type ke.
IDC Error ellipse: s-maj=47.8km s-min=17.4km az=27.0.
ATH Error ellipse: s-maj=2.4km s-min=1.8km az=-1.0.
TIR Error ellipse: s-maj=2.0km s-min=3.8km az=-1.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=288.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=58.0.

ISC	**VI**	**04 04 06 35.2–.98**	**41.50N–.03**	**19.57E–.03**	**16–8**		**69**	**0-5**
TIR	VI	04 04 06 27.0	41.52N	19.55E	20	3.0L		¶13439904
PDG	VI	04 04 06 35.8–.35	41.53N	19.63E	14–0	2.3L		
CSEM	VI	04 04 06 35.1–.60	41.46N	19.50E	2	2.3L		
BEO	VI	04 04 06 38.0–.69	41.52N	19.63E	2–4	2.3L		

ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=5.8km az=33.0.
BEO Event type ke.

ISC	**VI**	**04 22 36 11.7–1.3**	**40.07N–.02**	**19.79E–.04**	**8–11**		**54**	**0-3**
ISCJB	VI	04 22 36 11.9–.83	40.10N–.03	19.72E–.06	5–4			¶13439919
TIR	VI	04 22 36 11.5–1.6	40.06N	19.76E	20–14	3.2L		
CSEM	VI	04 22 36 11.1–.28	40.14N	19.71E	2	3.2L		
ATH	VI	04 22 36 12.6	40.07N	19.72E	20–2	3.4		
THE	VI	04 22 36 12.2	40.12N	19.80E	1–2	2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.3km az=7.3.
TIR Error ellipse: s-maj=4.4km s-min=8.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.0km az=84.0.
ATH Error ellipse: s-maj=2.4km s-min=3.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=279.0.

ISC	**VI**	**14 05 12 51.5–.79**	**41.39N–.01**	**19.63E–.02**	**18–4**	**3.6b**	**386**	**0-44**
IDC	VI	14 05 12 48.5–1.3	41.42N	19.49E	0	3.6,3.6b		¶13077631
ROM	VI	14 05 12 50.9–.20	41.34N	19.58E	8–3	3.4L,3.6b		
ATH	VI	14 05 12 51.3	41.42N	19.48E	45	3.6,3.6b		
PDG	VI	14 05 12 51.2–.93	41.39N	19.60E	14–1	3.4,3.3L		
TIR	VI	14 05 12 51.4–4.8	41.45N	19.75E	27–21	3.4L,3.3L		
ISCJB	VI	14 05 12 51.9–.36	41.42N–.01	19.57E–.02	27–3	3.5b,3.3L		
CSEM	VI	14 05 12 51.5–.07	41.39N	19.58E	10	3.2L,3.3L		
SKO	VI	14 05 12 51.6	41.39N	19.63E	9	3.2L,3.3L		
THE	VI	14 05 12 52.4	41.45N	19.68E	11–1	3.4L,3.3L		
BEO	VI	14 05 12 53.8–.33	41.47N	19.89E	7–6	3.2L,3.3L		

ISC Event type ke.
IDC Error ellipse: s-maj=17.0km s-min=14.8km az=168.0.
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=1.6km az=97.0.
ATH Error ellipse: s-maj=2.4km s-min=1.9km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.0km az=0.0.
TIR Error ellipse: s-maj=9.1km s-min=25.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=38.2.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=50.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=77.0.
BEO Event type ke.

ISC	**VI**	**15 14 43 11.1–.98**	**40.06N–.01**	**19.85E–.02**	**6–8**		**186**	**0-6**
TIR	VI	15 14 43 08.1–2.7	40.12N	20.03E	26–11	3.4L		¶13353231
ATH	VI	15 14 43 08.0	40.17N	19.62E	17–1	3.3		
ROM	VI	15 14 43 09.9–.48	40.07N	19.95E	10	3.1L		
THE	VI	15 14 43 10.9	40.07N	19.84E	0–1	3.0L		
PDG	VI	15 14 43 11.2–.53	40.10N	19.91E	8–1	2.9L		
CSEM	VI	15 14 43 11.0–.12	40.06N	19.83E	2	3.0L		
SKO	VI	15 14 43 12.5	40.10N	19.98E	9	3.0L		

ISC Event type ke.
TIR Error ellipse: s-maj=5.1km s-min=12.6km az=-1.0.
ATH Error ellipse: s-maj=1.9km s-min=2.7km az=-1.0.
ROM Event type ke. Error ellipse: s-maj=7.0km s-min=3.7km az=76.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=259.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=58.0.

ISC	**VI**	**16 22 34 12.3–1.1**	**41.49N–.03**	**19.42E–.03**	**16–8**		**53**	**0-5**
TIR	VI	16 22 34 10.0–1.3	41.39N	19.43E	37–14	3.2L		¶13381363
CSEM	VI	16 22 34 11.9–.30	41.50N	19.40E	12	1.9L		
ISCJB	VI	16 22 34 12.4–.94	41.45N–.03	19.45E–.06	10–6	1.9L		
THE	VI	16 22 34 13.4	41.47N	19.48E	12–2	2.0L		
BEO	VI	16 22 34 13.5–.42	41.57N	20.03E	19–4	1.9L		

ISC Event type ke.
TIR Error ellipse: s-maj=6.4km s-min=12.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.0km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.5km az=155.5.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.4km az=68.0.
BEO Event type ke.

ISC	**VI**	**17 06 19 52.6–1.3**	**41.89N–.05**	**19.13E–.03**	**8–6**		**64**	**0-2**
PDG	VI	17 06 19 53.2–.37	41.91N	19.18E	11–1	2.5,2.4L		¶13353232
TIR	VI	17 06 19 53.2–1.1	42.04N	19.13E	22–80	3.1L,2.4L		
CSEM	VI	17 06 19 53.0–.61	41.87N	19.11E	2	2.4L,2.4L		
BEO	VI	17 06 19 54.5–.89	41.89N	19.17E	0	2.3L,2.4L		

ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.
TIR Error ellipse: s-maj=6.6km s-min=12.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=5.4km az=21.0.
BEO Event type ke.

ISC	**VI**	**20 02 31 45.5–.98**	**41.39N–.02**	**19.48E–.03**	**12–8**		**107**	**0-7**
ATH	VI	20 02 31 43.4	41.41N	19.49E	15	3.8		¶13353585
ISCJB	VI	20 02 31 44.7–.58	41.38N–.02	19.48E–.04	3–4	3.8		
THE	VI	20 02 31 45.1	41.50N	19.49E	7–1	2.7L		
CSEM	VI	20 02 31 45.2–.17	41.36N	19.46E	5	2.6L		
BEO	VI	20 02 31 46.5–.83	41.38N	19.51E	8–3	2.6L		
PDG	VI	20 02 31 46.0–.37	41.42N	19.54E	20–0	2.5L		

ISC Event type ke.
ATH Error ellipse: s-maj=13.4km s-min=12.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=2.9km az=147.9.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.2km az=6.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.6km az=62.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.

ISC	**VI**	**20 10 21 11.8–1.1**	**41.16N–.03**	**20.20E–.03**	**5–10**		**52**	**0-2**
TIR	VI	20 10 21 10.6	41.15N	20.21E	7	3.1L		¶13353586
SKO	VI	20 10 21 11.5	41.11N	20.26E	0	3.1L		
PDG	VI	20 10 21 12.4–.29	41.19N	20.23E	5–0	2.3L		
CSEM	VI	20 10 21 12.1–.46	41.17N	20.22E	2	3.1L		

ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=6.6km az=54.0.

ISC	**VI**	**20 17 00 11.3–1.0**	**41.21N–.02**	**20.20E–.02**	**8–9**		**91**	**0-3**
ATH	VI	20 17 00 07.5	41.75N	20.26E	46	3.3		¶13353591
SKO	VI	20 17 00 09.0	40.91N	20.00E	0	3.3		
TIR	VI	20 17 00 10.6	41.25N	20.25E	7	3.1L		
THE	VI	20 17 00 10.5	41.30N	20.25E	0–1	2.7L		
PDG	VI	20 17 00 11.3–.24	41.17N	20.12E	11–0	2.4L		
CSEM	VI	20 17 00 11.3–.18	41.25N	20.26E	2	2.7L		

ISC Event type ke.
ATH Error ellipse: s-maj=10.7km s-min=5.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=19.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=2.8km az=48.0.

ISC	**VI**	**21 00 50 24.5–.97**	**41.23N–.02**	**20.20E–.02**	**14–8**		**100**	**0-5**
CSEM	VI	21 00 50 23.5–.23	41.17N	20.20E	2	3.4L		¶13353592
TIR	VI	21 00 50 23.6	41.19N	20.21E	8	3.4L		
BEO	VI	21 00 50 23.9–.93	41.03N	20.09E	7–3	2.6L		
PDG	VI	21 00 50 24.7–.20	41.24N	20.17E	11–0	2.7L		
THE	VI	21 00 50 24.2	41.23N	20.23E	0–3	2.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=2.9km az=44.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.5km az=0.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=29.0.

TIR	**VI**	**21 06 07 30.6**	**41.19N**	**20.21E**	**7**	**2.7L**		
CSEM	VI	21 06 07 30.6	41.19N	20.21E	7	2.7L		¶13381372

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIR.

ISC	**VI**	**21 17 35 06.8–1.1**	**41.21N–.03**	**20.22E–.03**	**7–10**		**63**	**0-3**
TIR	VI	21 17 35 05.8	41.19N	20.22E	7	3.2L		¶13353595
SKO	VI	21 17 35 06.1	41.17N	20.17E	13	3.2L		
CSEM	VI	21 17 35 06.7–.28	41.19N	20.30E	2	3.2L		
PDG	VI	21 17 35 06.7–.35	41.20N	20.16E	0–11	2.7L		
ATH	VI	21 17 35 06.0	41.25N	20.24E	14–4	3.4		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.3km az=55.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
ATH Error ellipse: s-maj=4.5km s-min=2.9km az=-1.0.

ISC	**VI**	**21 19 05 16.4–1.2**	**41.18N–.03**	**20.18E–.03**	**6–10**		**53**	**0-2**
TIR	VI	21 19 05 15.2	41.17N	20.20E	7	3.5L		¶13353596
SKO	VI	21 19 05 16.2	41.12N	20.08E	20	3.5L		
CSEM	VI	21 19 05 16.2–.68	41.13N	20.18E	2	3.5L		
PDG	VI	21 19 05 17.0–.43	41.16N	20.10E	0–11	2.7L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.1km s-min=9.9km az=51.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.6km az=0.0.

ISC	**VI**	**24 03 28 58.0–1.1**	**41.75N–.02**	**19.55E–.02**	**4–9**		**140**	**0-7**
TIR	VI	24 03 28 55.4–1.4	41.78N	19.47E	14–29	3.3L		¶13353600
THE	VI	24 03 28 57.8	41.75N	19.58E	0–2	3.1L		
CSEM	VI	24 03 28 57.5–.22	41.72N	19.52E	2	2.6L		
PDG	VI	24 03 28 57.9–.34	41.76N	19.56E	9–0	2.6L		
SKO	VI	24 03 28 58.1	41.75N	19.51E	7	2.8L,2.4		
BEO	VI	24 03 28 58.5–.53	41.69N	19.53E	7–3	2.5L,2.4		

ISC Event type ke.
TIR Error ellipse: s-maj=2.8km s-min=10.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=249.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.7km az=45.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
BEO Event type ke.

ISC	**VI**	**27 00 45 11.7–1.2**	**41.17N–.02**	**20.18E–.02**	**0–10**		**124**	**0-5**
TIR	VI	27 00 45 11.8	41.19N	20.23E	7	3.4L		¶13353609
THE	VI	27 00 45 11.9	41.20N	20.21E	11–1	2.4L		
CSEM	VI	27 00 45 11.9–.28	41.15N	20.15E	2	2.4L		
SKO	VI	27 00 45 11.2	41.14N	20.09E	0	2.4L,1.9		
PDG	VI	27 00 45 13.5–.21	41.27N	20.08E	11–0	2.4L,1.9		
BEO	VI	27 00 45 13.3–.56	41.15N	20.22E	0	2.4L,1.9		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.4km az=347.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.5km az=39.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=90.0.
BEO Event type ke.

ISC	**VI**	**27 13 11 15.2–.82**	**40.54N–.01**	**19.69E–.02**	**13–6**		**237**	**0-5**
TIR	VI	27 13 11 14.2–2.9	40.54N	19.71E	25–19	3.7L		¶13353610
CSEM	VI	27 13 11 14.8–.13	40.54N	19.66E	2	3.7L		
BEO	VI	27 13 11 15.6–.77	40.46N	19.72E	10–3	2.9L		
THE	VI	27 13 11 15.2	40.52N	19.79E	2–23	3.2L		
PDG	VI	27 13 11 15.2–.35	40.61N	19.73E	6–0	2.9L		
ROM	VI	27 13 11 16.7–.19	40.55N	19.63E	26–3	3.1L		
ATH	VI	27 13 11 16.5	40.57N	19.84E	18–1	3.3		

ISC Event type ke.
TIR Error ellipse: s-maj=5.6km s-min=12.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=72.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=23.3km s-min=0.4km az=0.0.

PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
ROM Event type ke. Error ellipse: s-maj=3.6km s-min=1.9km az=111.0.
ATH Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0.
ISC VI 28 14 27 01.9–1.1 41.17N–.03 20.19E–.02 8–9 86 0-3
TIR VI 28 14 27 02.9–3.4 41.18N 20.20E 0–323 3.1L **¶13353616**
THE VI 28 14 27 02.5 41.21N 20.20E 10–12 2.8L
PDG VI 28 14 27 02.8–.26 41.19N 20.12E 13–0 2.9L
SKO VI 28 14 27 02.7 41.20N 20.17E 12 2.7L,2.2
CSEM VI 28 14 27 02.2–.37 41.13N 20.07E 2 2.8L,2.2
ISC Event type ke.
TIR Error ellipse: s-maj=5.2km s-min=14.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=12.9km s-min=0.7km az=281.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=4.0km az=46.0.
SKO VI 28 14 27 42.5 41.19N 20.22E 2 2.9L,2.5
¶15156316
ISC VI 29 03 25 13.4–1.0 40.10N–.01 19.79E–.02 5–9 184 0-9
ATH VI 29 03 25 09.8 40.20N 19.55E 16–1 3.3 **¶13353617**
TIR VI 29 03 25 10.8–4.7 40.06N 19.37E 24–10 3.7L
SKO VI 29 03 25 11.6 39.90N 19.86E 0 3.0L,2.5
THE VI 29 03 25 13.6 40.11N 19.85E 0–2 3.0L,2.5
PDG VI 29 03 25 13.8–.59 40.12N 19.87E 4–1 3.0L,2.5
CSEM VI 29 03 25 13.8–.18 40.07N 19.84E 2 3.0L,2.5
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=2.4km az=-1.0.
TIR Error ellipse: s-maj=5.8km s-min=12.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=263.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=60.0.
TIR VI 29 04 32 16.6–.58 41.11N 20.28E 20–17 3.4L
SKO VI 29 04 32 19.3 41.28N 20.18E 20 3.4L **¶13381386**
TIR Error ellipse: s-maj=4.1km s-min=5.5km az=-1.0.

(392) Greece-Albania border region.

ISC I 05 19 25 12.1–.79 40.62N–.02 20.84E–.02 10–5 83 0-6
TIR I 05 19 25 08.2–2.1 40.68N 20.54E 0–931 2.6L **¶12080407**
SKO I 05 19 25 10.4 40.62N 20.74E 0 2.2L,1.9
ISCJB I 05 19 25 11.9–.37 40.63N–.02 20.86E–.03 9–3 2.2L,1.9
ATH I 05 19 25 12.0 40.66N 20.90E 19–2 3.3,1.9
CSEM I 05 19 25 12.1–.17 40.61N 20.85E 8 2.6L,1.9
THE I 05 19 25 12.9 40.63N 20.91E 13–2 2.5L,1.9
ISC Event type ke.
TIR Error ellipse: s-maj=3.5km s-min=33.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=168.0.
ATH Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=82.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=122.0.
ISC I 06 15 41 49.2–2.2 39.46N–.06 19.4E–.10 14 18 1-2
CSEM I 06 15 41 47.7–1.6 39.50N 19.22E 2 2.7 **¶14358003**
ATH I 06 15 41 48.9 39.41N 19.35E 7–2 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=37.5km s-min=19.6km az=82.0.
ATH Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0.
ISC I 16 23 00 47.2–.67 39.38N–.01 20.77E–.02 18–4 3.6b 185 0-59
SKO I 16 23 00 45.3 38.88N 20.59E 62 3.3L,2.7 **¶12081490**
ATH I 16 23 00 46.5 39.38N 20.77E 19–0 3.3L,2.7
IDC I 16 23 00 47.4–1.0 39.44N 20.94E 19–6 3.8L,3.6b
THE I 16 23 00 47.1 39.36N 20.80E 10–1 3.3L,3.6b
ISCJB I 16 23 00 47.2–.36 39.36N–.02 20.70E–.03 19–4 3.6b,3.6b
CSEM I 16 23 00 47.2–.15 39.34N 20.74E 10 3.3L,3.6b
BEO I 16 23 00 49.6–1.0 39.51N 20.75E 0 3.2L,3.6b
ISC Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=21.4km s-min=17.6km az=153.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=261.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=156.1.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=65.0.
BEO Event type ke.
ATH I 16 23 21 07.9 39.41N 20.89E 17–3 2.9
CSEM I 16 23 21 07.9 39.41N 20.89E 17 2.9 **¶14358261**
ATH Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC I 19 06 04 56.8–.96 39.80N–.02 20.58E–.02 15–7 56 0-6
BEO I 19 06 04 40.5–1.5 39.65N 20.84E 0 2.8L **¶14358326**
ATH I 19 06 04 56.8 39.82N 20.64E 20–1 3.3
ISCJB I 19 06 04 57.2–.62 39.80N–.03 20.56E–.04 20–6 3.3
CSEM I 19 06 04 57.5–.22 39.81N 20.59E 20–0 3.3
ISC Event type ke.
BEO Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=21.6.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=5.0km az=26.0.
ISC II 01 09 23 31.5–1.2 39.51N–.02 20.16E–.04 6–8 75 0-6
ATH II 01 09 23 29.6 39.58N 20.02E 4–3 3.3 **¶14189197**
CSEM II 01 09 23 31.3–.28 39.50N 20.13E 0–1 2.7L
THE II 01 09 23 32.9 39.47N 20.25E 0–0 2.7L
ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=80.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=284.0.
ISC II 15 01 48 11.9–1.3 40.15N–.03 20.34E–.03 9–10 68 1-3
ISCJB II 15 01 48 10.9–1.0 40.16N–.03 20.25E–.04 10–7 **¶14189521**
ATH II 15 01 48 12.5 40.11N 20.40E 25–1 3.1
CSEM II 15 01 48 12.6–.29 40.13N 20.37E 12 3.1
THE II 15 01 48 13.2 40.11N 20.39E 8–2 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=25.2.
ATH Error ellipse: s-maj=1.9km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.1km az=123.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=322.0.
ISC II 15 16 28 17.6–.88 39.67N–.03 20.38E–.03 13–6 49 0-2
ATH II 15 16 28 16.7 39.61N 20.38E 26–1 3.1 **¶14189539**
ISCJB II 15 16 28 17.7–.59 39.67N–.04 20.39E–.04 12–4 3.1
CSEM II 15 16 28 17.4–.30 39.64N 20.39E 10 2.7L
THE II 15 16 28 18.0 39.70N 20.39E 0–4 2.7L
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.1km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=6.6km az=123.0.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=1.0km az=7.0.
ISC II 17 13 06 53.5–1.2 39.43N–.03 20.65E–.03 0–12 37 0-1
ATH II 17 13 06 50.2 39.57N 20.42E 19–5 3.1 **¶14189599**
ISCJB II 17 13 06 53.1–.55 39.46N–.04 20.62E–.05 11–6 3.1
THE II 17 13 06 53.5 39.43N 20.64E 2–25 1.9L
CSEM II 17 13 06 53.0–.22 39.45N 20.66E 2 1.9L
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.5km az=137.4.
THE Event type ke. Error ellipse: s-maj=25.8km s-min=0.6km az=276.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.7km az=132.0.
ISC II 19 01 01 11.3–.82 39.17N–.01 20.56E–.02 17–6 3.7b 299 0-72
ROM II 19 01 01 11.6–.77 39.24N 20.63E 10 3.5L,3.1 **¶11713966**
THE II 19 01 01 11.4 39.15N 20.60E 0–2 3.9L,3.1
ATH II 19 01 01 11.8 39.18N 20.66E 17–1 3.8L,3.1
BEO II 19 01 01 11.4–.76 39.21N 20.42E 0 3.4L,3.1
CSEM II 19 01 01 11.0–.12 39.17N 20.55E 2 3.9L,3.1
ISCJB II 19 01 01 11.7–.30 39.20N–.01 20.53E–.02 21–3 3.7b,3.1
IDC II 19 01 01 15.5–1.9 39.28N 20.59E 52–19 3.6,3.6L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=11.4km s-min=9.1km az=151.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=270.0.
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
BEO Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=138.1.
IDC Error ellipse: s-maj=17.4km s-min=14.9km az=1.0.
ISC II 20 17 15 28.8–.94 39.39N–.02 20.27E–.03 6–7 38 0-2
ISCJB II 20 17 15 28.6–.52 39.39N–.03 20.32E–.05 10–3 **¶14189733**
THE II 20 17 15 28.7 39.41N 20.37E 10–1 2.5L
ATH II 20 17 15 28.8 39.38N 20.22E 32–1 3.0
CSEM II 20 17 15 28.7–.26 39.36N 20.29E 5–2 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.7km az=149.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=90.0.
ATH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=6.5km az=52.0.
ISC II 20 21 10 10.3–.86 39.38N–.02 20.23E–.02 7–6 4.3b,3.6s 408 0-121
SKO II 20 21 10 04.7 38.83N 20.14E 1 4.3b,3.6s **¶13434917**
ISCJB II 20 21 10 09.6–.56 39.41N–.02 20.08E–.02 12–4 4.2b,3.6s
IDC II 20 21 10 09.2–.62 39.60N 20.33E 0 4.1L,4.1
ATH II 20 21 10 10.2 39.36N 20.27E 13–0 4.2L,4.1
THE II 20 21 10 10.9 39.36N 20.25E 0–2 4.2L,4.1
CSEM II 20 21 10 10.6–.11 39.39N 20.21E 2 4.5b,3.6s
PDG II 20 21 10 11.0–.91 39.46N 20.21E 2–1 3.8L,3.6s
MOS II 20 21 10 13.0–1.4 39.51N 20.16E 33 4.3b,3.6s
PRU II 20 21 10 13.0 39.43N 20.11E 0 4.3b,3.6s
VIE II 20 21 10 20.7–.75 39.92N 19.21E 10 3.6s,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=1.9km az=137.9.
IDC Error ellipse: s-maj=13.2km s-min=12.2km az=71.0.
ATH Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=134.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=48.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=90.0.
MOS Error ellipse: s-maj=10.8km s-min=4.5km az=83.9.
VIE Error ellipse: s-maj=11.1km s-min=5.0km az=81.0. 154 km S of Durres .
ISC II 20 21 28 53.5–.00 39.39N–.02 20.16E–.02 6–7 4.1b 275 0-72
SKO II 20 21 28 51.8 39.01N 20.28E 0 4.1b **¶11713997**
IDC II 20 21 28 52.5–1.1 39.47N 20.24E 0 4.1,4.1L
THE II 20 21 28 54.8 39.38N 20.26E 0–3 4.1L,4.1L
ATH II 20 21 28 54.4 39.38N 20.26E 14–0 3.9L,4.1L
CSEM II 20 21 28 54.0–.14 39.37N 20.14E 2 4.1L,3.5s
PDG II 20 21 28 55.6–1.0 39.55N 20.22E 0–11 3.6L,3.5s
VIE II 20 21 29 01.1–.58 39.75N 19.61E 10 3.5s,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=18.9km az=71.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=215.0.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.3km az=52.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=90.0.
VIE Error ellipse: s-maj=8.9km s-min=3.7km az=78.0. 173 km S of Durres .
ISC II 20 21 32 47.9–1.1 39.42N–.02 20.24E–.02 2–9 65 0-7
THE II 20 21 32 48.2 39.43N 20.27E 1–3 3.0L **¶14189738**
CSEM II 20 21 32 48.3–.24 39.42N 20.20E 2 3.0L
ATH II 20 21 32 49.2 39.40N 20.24E 12–4 3.3
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.8km az=214.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=48.0.
ATH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
ISC II 22 23 12 33.1–.64 39.67N–.02 20.43E–.02 14–5 3.9b 243 0-45
TIR II 22 23 12 30.5–3.9 39.46N 20.55E 30–999 3.8L **¶11758342**
BEO II 22 23 12 31.9–.95 39.48N 20.17E 19–6 3.3L
ISCJB II 22 23 12 32.9–.35 39.71N–.02 20.37E–.02 9–3 3.8b
THE II 22 23 12 33.4 39.71N 20.44E 0–1 3.4L
ATH II 22 23 12 33.5 39.68N 20.48E 14–1 3.4L
CSEM II 22 23 12 33.4–.15 39.68N 20.39E 5 3.4L
PDG II 22 23 12 34.5–.41 39.65N 20.35E 25–1 3.3L
IDC II 22 23 12 39.0–3.2 39.87N 20.36E 64–33 3.5,3.5
ISC Event type ke.
TIR Error ellipse: s-maj=18.9km s-min=42.7km az=-1.0.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=39.6.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=293.0.
ATH Error ellipse: s-maj=1.0km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=40.0.
PDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.1km az=90.0.
IDC Error ellipse: s-maj=21.6km s-min=20.6km az=92.0.
ISC II 26 05 09 52.2–1.6 40.98N–.06 20.19E–.04 14–10 43 0-5
BEO II 26 05 09 50.8–1.0 40.86N 20.26E 0 2.2L **¶11788661**
ISCJB II 26 05 09 51.4–1.1 40.90N–.06 20.08E–.06 23–6 2.2L
TIR II 26 05 09 51.9–1.5 41.04N 20.21E 34–14 3.3L
CSEM II 26 05 09 52.7–.62 40.98N 20.19E 20 3.3L
SKO II 26 05 09 54.0 41.18N 20.27E 17 3.3L
ISC Event type ke.
BEO Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.3km az=28.5.
TIR Error ellipse: s-maj=6.1km s-min=8.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=14.4km s-min=6.5km az=29.0.
ISC II 27 09 03 34.6–1.2 39.40N–.03 20.27E–.03 3–11 28 0-1
ISCJB II 27 09 03 34.4–.56 39.42N–.03 20.34E–.06 9–4 **¶14189908**
THE II 27 09 03 34.7 39.40N 20.30E 0–7 2.2L
ATH II 27 09 03 34.5 39.39N 20.23E 20–3 3.1
CSEM II 27 09 03 34.6–.26 39.38N 20.27E 0–2 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.7km az=170.1.
THE Event type ke. Error ellipse: s-maj=8.3km s-min=0.8km az=165.0.
ATH Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.2km az=63.0.
ISC II 28 06 09 42.5–1.1 39.96N–.02 19.65E–.02 3–8 3.6b 191 0-75
BEO II 28 06 09 40.1–1.9 39.72N 20.06E 5–9 3.2L **¶11758349**
TIR II 28 06 09 41.9–7.9 39.90N 19.81E 0–21 2.9L
IDC II 28 06 09 42.5–1.3 40.16N 19.92E 0 3.7,3.6
SKO II 28 06 09 42.7 39.98N 19.58E 2 3.7,3.6
ATH II 28 06 09 43.6 39.98N 19.73E 13–3 3.4,3.6
CSEM II 28 06 09 43.3–.18 39.96N 19.65E 2 3.4L,3.6
PDG II 28 06 09 43.7–.32 39.98N 19.73E 7–1 3.3L,3.6
THE II 28 06 09 44.2 39.97N 19.72E 0–2 3.4L,3.6
ISC Event type ke.
BEO Event type ke.
TIR Error ellipse: s-maj=14.8km s-min=33.5km az=-1.0.
IDC Error ellipse: s-maj=21.9km s-min=19.5km az=171.0.
ATH Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=54.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.5km az=0.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.3km az=261.0.
ISC III 11 04 01 14.5–1.1 39.97N–.04 20.17E–.04 12–13 24 0-2
ATH III 11 04 01 12.6 40.07N 20.16E 14–1 3.2 **¶14369900**
CSEM III 11 04 01 13.9–.61 40.01N 20.19E 10 3.2
SKO III 11 04 01 14.8 39.90N 20.17E 14 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=8.9km az=145.0.
ISC III 18 23 33 30.9–.86 39.65N–.03 20.46E–.02 17–7 35 0-2
ATH III 18 23 33 29.3 39.38N 20.47E 9–3 3.2 **¶14190495**
CSEM III 18 23 33 30.5–.35 39.56N 20.48E 20 2.4L
ISCJB III 18 23 33 31.4–.59 39.61N–.05 20.47E–.05 18–8 2.4L
THE III 18 23 33 31.3 39.70N 20.43E 0–3 2.4L
ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=7.4km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.7km az=154.2.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.7km az=46.0.

ATH	**III**	**19 03 45 05.4**	**40.07N**	**20.68E**	**13–8**	**3.0**		
CSEM	III	19 03 45 05.4	40.07N	20.68E	13	3.0		¶14370061
ATH		Error ellipse: s-maj=5.8km s-min=2.0km az=-1.0.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ISC	**III**	**30 12 15 58.2–.97**	**39.47N–.04**	**20.65E–.03**	**26–6**		**39**	**0-2**
ATH	III	30 12 15 57.2	39.53N	20.77E	47–2	3.3		¶14190705
THE	III	30 12 15 58.0	39.33N	20.59E	7–11	2.3L		
CSEM	III	30 12 15 58.4–.29	39.53N	20.74E	40	3.3		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=1.7km s-min=1.3km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=12.4km s-min=0.6km az=347.0.						
CSEM		Event type ke. Error ellipse: s-maj=8.4km s-min=7.6km az=40.0.						
ISC	**IV**	**01 02 29 41.4–.97**	**39.37N–.02**	**20.63E–.02**	**9–8**		**110**	**0-7**
THE	IV	01 02 29 41.1	39.37N	20.64E	2–2	2.6L		¶14190737
ATH	IV	01 02 29 41.6	39.36N	20.65E	11–1	3.5		
CSEM	IV	01 02 29 41.2–.19	39.38N	20.62E	2	2.6L		
ISCJB	IV	01 02 29 41.5–.55	39.42N–.02	20.61E–.03	10–5	2.6L		
ISC		Event type ke.						
THE		Event type ke.						
CSEM		Event type ke.						
ISCJB		Event type ke.						
ISC	**IV**	**05 21 07 34.3–1.2**	**39.02N–.02**	**19.90E–.04**	**7–10**		**67**	**1-4**
ISCJB	IV	05 21 07 32.8–1.0	39.03N–.03	19.78E–.06	4–6			¶14190820
ATH	IV	05 21 07 34.3	39.01N	19.92E	18–1	3.1		
CSEM	IV	05 21 07 34.0–.53	39.01N	19.83E	8	2.3L		
THE	IV	05 21 07 35.0	39.04N	19.93E	0–3	2.3L		
SKO	IV	05 21 07 36.5	39.00N	20.31E	0	2.3L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=8.3km s-min=4.3km az=164.4.						
ATH		Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=12.5km s-min=5.0km az=77.0.						
THE		Event type ke. Error ellipse: s-maj=3.6km s-min=0.9km az=262.0.						
ISC	**IV**	**14 05 34 38.8–.63**	**39.77N–.02**	**20.73E–.02**	**16–5**	**3.9b**	**176**	**0-72**
IDC	IV	14 05 34 34.3–1.1	39.72N	20.55E	0	3.9,3.8		¶13438503
PDG	IV	14 05 34 38.8–.48	39.74N	20.83E	19–1	3.3L,3.8		
TIR	IV	14 05 34 38.7	39.84N	20.67E	6	3.3L,3.8		
CSEM	IV	14 05 34 39.5–.16	39.74N	20.75E	10	3.6L,3.8		
THE	IV	14 05 34 39.8	39.81N	20.73E	16–0	3.6L,3.8		
ATH	IV	14 05 34 39.5	39.77N	20.87E	23–1	3.7L,3.4		
ISCJB	IV	14 05 34 39.8–.35	39.77N–.02	20.79E–.03	19–3	3.7b,2.8s		
ISC		Event type ke.						
PDG		Event type ke.						
CSEM		Event type ke.						
THE		Event type ke.						
ISCJB		Event type ke.						
ISC	**IV**	**16 06 49 52.0–1.1**	**40.52N–.03**	**20.98E–.04**	**7–7**		**39**	**0-2**
ATH	IV	16 06 49 50.5	40.77N	21.06E	34–6	3.2		¶14191087
THE	IV	16 06 49 51.4	40.48N	20.85E	1–5	2.6L		
CSEM	IV	16 06 49 52.6–.37	40.48N	21.01E	5	2.6L		
ISCJB	IV	16 06 49 52.6–.87	40.49N–.04	20.96E–.07	11–4	2.6L		
ISC		Event type ke.						
THE		Event type ke.						
CSEM		Event type ke.						
ISCJB		Event type ke.						
ISC	**IV**	**16 08 58 21.1–1.1**	**40.69N–.02**	**20.36E–.02**	**4–8**		**119**	**1-3**
ATH	IV	16 08 58 19.5	40.80N	20.30E	11–3	3.4		¶12840203
TIR	IV	16 08 58 19.9	40.67N	20.38E	1	2.9L		
SKO	IV	16 08 58 20.8	40.74N	20.24E	0	2.8L,2.4		
THE	IV	16 08 58 20.4	40.74N	20.31E	0–4	2.8L,2.4		
PDG	IV	16 08 58 21.2–.60	40.70N	20.36E	5–1	2.8L,2.4		
CSEM	IV	16 08 58 21.1–.15	40.65N	20.35E	2	2.8L,2.4		
BEO	IV	16 08 58 22.8–.86	40.75N	20.38E	0	2.6L,2.4		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=5.8km s-min=4.7km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=4.9km s-min=0.9km az=304.0.						
PDG		Event type ke. Error ellipse: s-maj=0.8km s-min=1.1km az=0.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=63.0.						
BEO		Event type ke.						
ISC	**IV**	**21 08 33 05.0–1.1**	**39.30N–.01**	**20.92E–.02**	**4–9**		**147**	**0-5**
BEO	IV	21 08 33 04.8–.95	39.11N	20.65E	0	3.3L		¶13438954
CSEM	IV	21 08 33 05.9–.14	39.29N	20.95E	2	3.0		
ISCJB	IV	21 08 33 05.4–.47	39.30N–.01	20.92E–.02	1–3	3.0		
ATH	IV	21 08 33 05.8	39.35N	20.93E	28–3	3.0		
THE	IV	21 08 33 05.8	39.29N	20.92E	0–1	3.1L		
ISC		Event type ke.						
BEO		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=72.0.						
ISCJB		Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=156.3.						
ATH		Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=238.0.						
ISC	**IV**	**26 03 41 33.4–1.6**	**39.74N–.04**	**20.32E–.06**	**11–11**		**34**	**0-6**
CSEM	IV	26 03 41 34.0–.29	39.76N	20.33E	8	3.0		¶14694660
ATH	IV	26 03 41 35.6	39.75N	20.49E	18–0	3.0		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=9.2km s-min=4.2km az=41.0.						
ATH		Error ellipse: s-maj=0.4km s-min=0.3km az=-1.0.						
ISC	**IV**	**29 17 46 09.4–1.1**	**39.68N–.02**	**20.45E–.02**	**1–10**		**97**	**0-3**
TIR	IV	29 17 46 04.3	39.54N	20.41E	1	3.4L		¶12847810
THE	IV	29 17 46 09.4	39.70N	20.43E	0–2	2.8L		
ATH	IV	29 17 46 09.0	39.68N	20.44E	11–2	3.2		
CSEM	IV	29 17 46 09.1–.27	39.65N	20.42E	2	3.2		
ISC		Event type ke.						
THE		Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=294.0.						
ATH		Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=74.0.						
ISC	**V**	**09 23 47 50.3–.83**	**39.42N–.03**	**20.56E–.03**	**9**		**26**	**0-4**
ISCJB	V	09 23 47 50.7–.62	39.47N–.04	20.53E–.06	9			¶14695092
ATH	V	09 23 47 51.3	39.37N	20.55E	6	3.0		
CSEM	V	09 23 47 51.3	39.37N	20.55E	7	3.0		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.5km s-min=5.6km az=148.2.						
ATH		Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ISC	**V**	**10 03 54 36.3–1.3**	**39.81N–.03**	**20.95E–.03**	**63–8**		**77**	**0-11**
TIR	V	10 03 54 34.2	39.81N	20.99E	0			¶12952788
ATH	V	10 03 54 35.7	39.84N	20.99E	62–1			
SKO	V	10 03 54 35.7	39.86N	21.14E	4	2.3L,1.8		
ISCJB	V	10 03 54 36.3–.47	39.82N–.03	20.99E–.05	65–7	2.3L,1.8		
SOF	V	10 03 54 37.1	40.10N	21.37E	2	2.7,1.8		
CSEM	V	10 03 54 37.3–.19	39.82N	20.98E	51–5	2.3L,1.8		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=169.8.						
CSEM		Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=79.0.						
ATH	**V**	**10 06 11 57.9**	**39.75N**	**20.26E**	**5**	**3.2**		
CSEM	V	10 06 11 57.9	39.75N	20.26E	5	3.2		¶14695110
ATH		Error ellipse: s-maj=4.6km s-min=1.3km az=-1.0.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ISC	**V**	**13 05 08 38.5–1.3**	**40.28N–.03**	**20.59E–.04**	**65–7**		**66**	**0-4**
ISCJB	V	13 05 08 37.5–.69	40.29N–.04	20.56E–.06	72–7			¶12952797
TIR	V	13 05 08 38.6–.64	41.06N	20.64E	0	3.8L		
ATH	V	13 05 08 38.2	40.29N	20.65E	65–5	3.8L		
CSEM	V	13 05 08 38.7–.26	40.27N	20.58E	60	2.4L		
THE	V	13 05 08 39.0	40.28N	20.67E	68–1	2.4L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=9.1km s-min=4.9km az=147.7.						
TIR		Error ellipse: s-maj=3.4km s-min=2.8km az=-1.0.						
ATH		Error ellipse: s-maj=2.0km s-min=4.9km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=7.3km s-min=4.1km az=57.0.						
THE		Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=278.0.						
ISC	**V**	**29 02 04 44.9–.99**	**39.66N–.02**	**20.14E–.02**	**7–8**		**104**	**0-6**
ATH	V	29 02 04 44.6	39.61N	20.19E	9–2	3.4		¶14302715
THE	V	29 02 04 45.0	39.64N	20.15E	0–6	2.6L		
CSEM	V	29 02 04 46.0–.24	39.69N	20.05E	20–0	2.6L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=6.8km s-min=1.7km az=212.0.						
CSEM		Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=57.0.						
ISC	**VI**	**03 21 54 52.0–.99**	**39.12N–.01**	**20.85E–.02**	**10–7**	**3.8b**	**312**	**0-45**
CSEM	VI	03 21 54 52.0–.12	39.11N	20.82E	2	3.6L		¶13439901
ATH	VI	03 21 54 52.5	39.11N	20.92E	18–1	3.6L,3.4		
THE	VI	03 21 54 52.5	39.12N	20.83E	18–1	3.6L,3.4		
ISCJB	VI	03 21 54 52.2–.47	39.13N–.01	20.84E–.02	11–3	3.8b,3.4		
PDG	VI	03 21 54 52.2–.80	39.16N	20.84E	8–1	3.4L,3.4		
TIR	VI	03 21 54 57.2	39.14N	20.83E	43	3.4L,3.4		
IDC	VI	03 21 54 58.8–2.3	39.17N	20.81E	84–24	3.5b,3.4		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=3.6km s-min=2.1km az=55.0.						
ATH		Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=233.0.						
ISCJB		Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=149.3.						
PDG		Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=90.0.						
IDC		Error ellipse: s-maj=21.7km s-min=16.2km az=153.0.						
TIR	**VI**	**07 00 04 02.2–.29**	**40.43N**	**20.86E**	**0**			¶13439960
TIR		Error ellipse: s-maj=1.9km s-min=1.1km az=-1.0.						
ISC	**VI**	**07 22 26 53.5–.99**	**39.13N–.02**	**20.86E–.02**	**10–9**		**121**	**0-7**
ISCJB	VI	07 22 26 53.6–.47	39.14N–.02	20.85E–.03	10–4			¶13439980
TIR	VI	07 22 26 53.5–4.0	39.47N	20.95E	0–19			
ATH	VI	07 22 26 53.3	39.14N	20.90E	15–1	3.6,2.8L		
CSEM	VI	07 22 26 53.5–.21	39.12N	20.84E	10	3.0L,2.8L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=172.9.						
TIR		Error ellipse: s-maj=16.6km s-min=16.0km az=-1.0.						
ATH		Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=71.0.						
ISC	**VI**	**10 15 53 53.6–.96**	**39.56N–.02**	**20.66E–.02**	**7–8**		**128**	**0-5**
TIR	VI	10 15 53 52.6–3.0	39.60N	20.61E	0–13			¶13440027
ATH	VI	10 15 53 53.2	39.53N	20.65E	9–1	3.5,3.3L		
THE	VI	10 15 53 53.4	39.54N	20.66E	0–2	3.3L,3.3L		
CSEM	VI	10 15 53 53.4–.20	39.54N	20.65E	2	3.3L,3.3L		
SKO	VI	10 15 53 53.2	39.48N	20.57E	0	3.3L,3.3L		
BEO	VI	10 15 54 05.3–1.2	40.37N	20.48E	0	2.6L,3.3L		
ISC		Event type ke.						
TIR		Error ellipse: s-maj=9.6km s-min=14.9km az=-1.0.						
ATH		Error ellipse: s-maj=0.9km s-min=0.6km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=245.0.						
CSEM		Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=74.0.						
BEO		Event type ke.						
ATH	**VI**	**12 09 05 00.2**	**39.21N**	**20.31E**	**15–3**	**3.0**		
CSEM	VI	12 09 05 00.2	39.21N	20.31E	15	3.0		¶14697212
ATH		Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ISC	**VI**	**14 08 48 30.7–.87**	**40.46N–.02**	**20.98E–.03**	**7–6**		**51**	**0-2**
THE	VI	14 08 48 29.6	40.40N	20.91E	11–1	2.4L		¶14306036
ISCJB	VI	14 08 48 31.0–.49	40.46N–.02	21.00E–.04	5–4	2.4L		
CSEM	VI	14 08 48 30.9–.25	40.46N	20.98E	2	2.4L		
SKO	VI	14 08 48 30.1	40.48N	20.80E	11	2.4L		
ATH	VI	14 08 48 31.2	40.45N	21.00E	5–4	3.1		
ISC		Event type ke.						
THE		Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=213.0.						
ISCJB		Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=13.4.						
CSEM		Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=116.0.						
ATH		Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.						
ISC	**VI**	**16 21 43 37.8–.94**	**40.07N–.03**	**20.46E–.02**	**11–8**		**61**	**0-2**
ISCJB	VI	16 21 43 37.3–.68	40.10N–.04	20.37E–.05	15–5			¶13381362
ATH	VI	16 21 43 37.9	40.05N	20.48E	18–1	3.0		
THE	VI	16 21 43 37.4	40.08N	20.44E	11–2	2.0L		
CSEM	VI	16 21 43 37.3–.24	40.09N	20.43E	8	2.0L		
TIR	VI	16 21 43 38.8–7.1	39.90N	20.42E	2–467	2.0L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=7.6km s-min=3.9km az=41.9.						
ATH		Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=194.0.						
CSEM		Event type ke. Error ellipse: s-maj=5.7km s-min=3.2km az=140.0.						
TIR		Error ellipse: s-maj=13.0km s-min=24.7km az=-1.0.						
ISC	**VI**	**19 05 25 50.1–1.0**	**39.74N–.02**	**20.74E–.02**	**2–8**	**3.8b,2.8s**	**210**	**0-68**
BEO	VI	19 05 25 47.8–1.0	39.41N	20.58E	0	3.7L,2.8s		¶13208503
TIR	VI	19 05 25 48.6–5.1	39.71N	20.73E	0–13	3.7L,2.8s		
IDC	VI	19 05 25 50.1–1.3	39.72N	20.48E	0	3.8,3.8b		
PDG	VI	19 05 25 51.0–.58	39.78N	20.73E	4–1	3.5L,3.8b		
CSEM	VI	19 05 25 50.4–.17	39.68N	20.75E	2	3.9,3.8b		
ATH	VI	19 05 25 50.4	39.72N	20.76E	5–3	3.7,3.8b		
THE	VI	19 05 25 50.2	39.74N	20.75E	0–2	3.6L,3.8b		
PRU	VI	19 05 25 54.5	39.90N	20.71E	5	3.6L,3.8b		
ISC		Event type ke.						
BEO		Event type ke.						
TIR		Error ellipse: s-maj=12.6km s-min=22.6km az=-1.0.						
IDC		Error ellipse: s-maj=23.6km s-min=14.7km az=131.0.						
PDG		Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=25.0.						
ATH		Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=225.0.						
ISC	**VI**	**27 15 31 39.7–1.4**	**39.45N–.04**	**19.87E–.04**	**1–13**		**50**	**0-2**
THE	VI	27 15 31 39.9	39.51N	19.96E	13–3	2.4L		¶14306710
ATH	VI	27 15 31 39.4	39.44N	19.83E	9–1	3.1		
CSEM	VI	27 15 31 40.3–.43	39.49N	19.94E	2	2.4L		
ISC		Event type ke.						
THE		Event type ke. Error ellipse: s-maj=4.7km s-min=0.5km az=26.0.						
ATH		Error ellipse: s-maj=0.7km s-min=1.2km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=10.1km s-min=5.7km az=67.0.						

(393) Madeira Islands region.

ISC	**II**	**11 11 57 03.7–1.0**	**34.03N–.08**	**14.73W–.05**	**10**		**64**	**2-10**
CSEM	II	11 11 57 05.2–.13	34.14N	14.81W	10	4.6b		¶11756900
MDD	II	11 11 57 05.4–.70	34.01N	14.68W	0	4.6b		
IGIL	II	11 11 57 09.3	33.89N	14.27W	2	2.6L		
INMG	II	11 11 57 10.3–2.6	33.94N	14.58W	10	2.9L		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=11.1km s-min=2.6km az=140.0.						
MDD		Error ellipse: s-maj=19.8km s-min=7.1km az=140.0. PRXIMO.						
INMG		Event type ke. Error ellipse: s-maj=58.7km s-min=3.7km az=141.0.						
ISC	**II**	**13 04 52 45.2–4.3**	**33.2N–.20**	**12.5W–.20**	**10**		**61**	**5-9**
MDD	II	13 04 52 37.1–2.3	32.74N	12.91W	0	3.7b,2.5		¶12083187
INMG	II	13 04 52 42.1–1.0	32.70N	13.10W	10	2.3L,2.5		
CSEM	II	13 04 52 45.0–.59	33.14N	12.48W	10	2.5L,2.5		
ISC		Event type ke.						
MDD		Error ellipse: s-maj=72.4km s-min=12.5km az=119.0. PRXIMO.						
INMG		Event type ke. Error ellipse: s-maj=28.1km s-min=8.3km az=119.0.						
CSEM		Event type ke. Error ellipse: s-maj=21.3km s-min=9.6km az=118.0.						
INMG	**III**	**11 08 36 45.4–1.6**	**34.93N**	**14.59W**	**10**	**2.9L**		
MDD	III	11 08 36 45.4–2.4	35.32N	14.28W	0	4.3b		¶13435975
CSEM	III	11 08 36 50.2–.47	35.54N	13.95W	10	3.5L		
INMG		Event type ke. Error ellipse: s-maj=16.5km s-min=3.2km az=134.0.						
MDD		Error ellipse: s-maj=28.2km s-min=19.5km az=151.0. PRXIMO.						
CSEM		Event type ke. Error ellipse: s-maj=10.7km s-min=7.9km az=153.0.						

(394) Canary Islands region.

MDD	**III**	**10 18 13 37.9–.34**	**28.87N**	**16.89W**	**41–7**	**3.6b**		
CSEM	III	10 18 13 37.8	28.87N	16.89W	41	3.6b		¶14558290
MDD		Error ellipse: s-maj=5.3km s-min=1.4km az=158.0. PRXIMO TT_MODEL: CANARY.						
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.						

MDD V 06 19 27 12.3–.15 29.01N 15.77W 48–4 3.9b
CSEM V 06 19 27 10.5–.22 29.08N 15.76W 40 3.9b ¶14784957
MDD Error ellipse: s-maj=2.5km s-min=0.8km az=176.0. PRXIMO TT-MODEL: Canary.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=5.2km az=99.0.
MDD VI 13 23 58 42.0–.39 28.89N 16.31W 45–4 3.5b
CSEM VI 13 23 58 42.0 28.89N 16.31W 45 3.5b ¶14988789
MDD Error ellipse: s-maj=5.5km s-min=2.0km az=1.0. TT-MODEL: CANARY.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.

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ISC I 02 14 44 57.0–4.3 32.4N–.20 7.9W–.10 10 49 5-6
MDD I 02 14 44 53.1–3.3 32.15N 8.01W 0 3.5b ¶12079825
INMG I 02 14 44 55.0–.80 32.08N 8.03W 31 2.2L
CSEM I 02 14 44 57.4–.42 32.45N 7.89W 10 3.5b
ISC Event type ke.
MDD Error ellipse: s-maj=52.8km s-min=29.2km az=95.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=18.6km s-min=6.4km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=7.7km az=91.0.
ISC I 06 18 33 26.0–1.1 34.82N–.03 3.91W–.03 7–9 141 0-7
CSEM I 06 18 33 25.9–.22 34.82N 3.92W 2 3.6b ¶12080540
MDD I 06 18 33 26.6–.51 34.81N 3.84W 0 3.6b
IGIL I 06 18 33 26.9 34.71N 3.90W 0 3.6b
ISCJB I 06 18 33 26.2–.62 34.84N–.02 3.98W–.03 13–4 3.6b
INMG I 06 18 33 27.3–.82 34.58N 3.93W 31 2.4L
CNRM I 06 18 33 27.1 34.81N 3.84W 1 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=127.0.
MDD Error ellipse: s-maj=5.0km s-min=3.8km az=130.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=27.1.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=171.0.
ISC I 10 14 03 17.9–1.1 32.28N–.04 5.34W–.03 27–12 58 1-7
INMG I 10 14 03 17.8–.72 32.13N 5.39W 31 2.1L ¶12080953
CSEM I 10 14 03 18.2–.27 32.31N 5.34W 20 3.7b
CNRM I 10 14 03 18.9 32.28N 5.33W 15 3.0
MDD I 10 14 03 18.1–.66 32.30N 5.33W 0 3.7b
IGIL I 10 14 03 20.5 32.13N 5.39W 31 3.7b
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=13.4km s-min=7.5km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.7km az=21.0.
MDD Error ellipse: s-maj=6.6km s-min=4.4km az=7.0. PRXIMO.
INMG I 17 11 56 12.5–.60 32.80N 6.85W 0 2.0L
MDD I 17 11 56 11.4–3.5 32.76N 6.48W 0 3.6b ¶12081535
CSEM I 17 11 56 14.3–.70 32.97N 6.53W 10 2.0L
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=2.7km az=34.0.
MDD Error ellipse: s-maj=95.6km s-min=30.9km az=79.0. PRXIMO SOLUCIN POBRE.
CSEM Event type ke. Error ellipse: s-maj=34.1km s-min=13.8km az=80.0.
ISC II 11 17 38 25.1–.91 32.40N–.05 6.39W–.04 12–9 34 0-6
CSEM II 11 17 38 25.6–.30 32.42N 6.39W 2 3.3 ¶14558006
MDD II 11 17 38 26.4–.53 32.36N 6.38W 0 3.7b
CNRM II 11 17 38 27.1 32.31N 6.35W 0 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=6.5km az=139.0.
MDD Error ellipse: s-maj=7.8km s-min=4.1km az=122.0. PRXIMO.
CSEM II 21 13 08 43.8–.55 32.65N 7.53W 10 2.2L
MDD II 21 13 08 40.5–3.2 32.41N 7.61W 0 3.7b,2.2 ¶12083342
INMG II 21 13 08 41.7–1.2 32.30N 7.70W 31 2.4L,2.2
CSEM Event type ke. Error ellipse: s-maj=16.8km s-min=10.0km az=88.0.
MDD Error ellipse: s-maj=49.0km s-min=28.2km az=88.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=14.2km s-min=8.4km az=92.0.
ISC II 28 20 04 29.6–.89 31.37N–.02 9.36W–.03 26–7 4.0b,3.1s 437 0-147
IDC II 28 20 04 26.5–.93 31.45N 9.33W 0 4.5L,4.0 ¶11752958
LDG II 28 20 04 26.1–.37 31.16N 8.84W 10 4.1L,2.9s
CSEM II 28 20 04 27.6–.15 31.33N 9.34W 10 4.3b,2.9s
SFS II 28 20 04 27.0 31.36N 9.42W 0 4.6L,2.9s
NEIC II 28 20 04 28.8–1.2 31.35N 9.37W 17–8 4.2b,2.9s
CNRM II 28 20 04 29.5 31.28N 9.26W 2 4.6,2.9s
MDD II 28 20 04 29.3–.51 31.31N 9.28W 15–4 4.5b,2.9s
CRAAG II 28 20 04 30.5 31.38N 9.47W 4.6b,2.9s
IGIL II 28 20 04 31.1 31.36N 9.34W 14 3.8L,2.9s
INMG II 28 20 04 31.0–2.9 31.56N 9.44W 13–36 4.3,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=18.0km az=123.0.
LDG Event type ke. Error ellipse: s-maj=12.6km s-min=7.4km az=124.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=125.0.
SFS Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=4.8km az=103.0.
MDD Error ellipse: s-maj=4.9km s-min=3.5km az=116.0.
INMG Event type ke. Error ellipse: s-maj=21.3km s-min=11.1km az=154.0.
ISC III 03 09 22 15.1–.83 33.33N–.03 6.74W–.05 10 58 1-5
ISCJB III 03 09 22 16.2–.61 33.52N–.03 6.79W–.05 10 ¶13435449
MDD III 03 09 22 16.3–.74 33.33N 6.81W 0 3.8b
INMG III 03 09 22 19.7–.58 33.34N 6.86W 31 2.0L
CSEM III 03 09 22 19.5–.22 33.50N 6.72W 20 2.8
CNRM III 03 09 22 21.2 33.04N 6.61W 0 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=166.3.
MDD Error ellipse: s-maj=11.6km s-min=6.5km az=75.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=69.0.
CNRM III 26 15 57 17.5 31.98N 3.13W 16 3.7
CSEM III 26 15 57 17.5 31.98N 3.13W 16 3.7 ¶15996820
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After CNRM.
ISC IV 04 13 43 13.6–.98 32.49N–.04 6.20W–.04 12–8 49 0-7
ISCJB IV 04 13 43 13.2–.68 32.57N–.04 6.30W–.04 10–6 ¶12791404
CSEM IV 04 13 43 14.1–.30 32.49N 6.19W 5 3.5
CNRM IV 04 13 43 14.5 32.47N 6.20W 0 3.5
INMG IV 04 13 43 15.2–1.4 32.26N 6.04W 80–7 2.6L
IGIL IV 04 13 43 17.0 32.48N 6.12W 15 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.3km az=158.8.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=6.2km az=113.0.
INMG Event type ke. Error ellipse: s-maj=9.5km s-min=7.3km az=177.0.
ISC V 01 15 35 05.6–.97 31.65N–.04 7.63W–.03 10 48 1-6
CNRM V 01 15 35 06.6 31.60N 7.63W 0 3.1 ¶13439257
INMG V 01 15 35 06.9–1.8 31.70N 7.28W 0 2.6L
ISCJB V 01 15 35 06.4–.56 31.79N–.04 7.68W–.03 10 2.6L
CSEM V 01 15 35 07.5–.18 31.63N 7.66W 20 3.5L
IGIL V 01 15 35 08.3 31.66N 7.37W 0 2.7L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=21.6km s-min=12.3km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=161.5.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=147.0.
ISC V 18 06 18 57.7–1.4 33.16N–.04 5.18W–.07 6–14 41 0-5
MDD V 18 06 18 56.6–4.0 32.95N 5.35W 0 4.3b ¶13439680
INMG V 18 06 18 57.6–.88 33.06N 5.35W 0 2.2L,2.0
CSEM V 18 06 18 58.3–.34 33.14N 5.11W 12 2.6L,2.0
CNRM V 18 06 19 00.3 33.09N 5.10W 3 2.8,2.0
ISC Event type ke.
MDD Error ellipse: s-maj=99.4km s-min=32.8km az=68.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.1km s-min=5.3km az=148.0.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=6.0km az=86.0.
ISC VI 20 11 49 35.9–1.1 34.58N–.02 3.91W–.02 7–9 239 0-22
IGIL VI 20 11 49 35.1 34.54N 3.72W 2 3.0L ¶13353587
INMG VI 20 11 49 35.9–1.5 34.57N 3.90W 0 2.7L
SFS VI 20 11 49 35.0 34.52N 3.86W 0 3.9L
PDA VI 20 11 49 35.9–1.5 34.57N 3.90W 0 2.7L
IDC VI 20 11 49 35.2–2.0 34.66N 4.40W 0 3.6L,3.2
MDD VI 20 11 49 36.3–.39 34.58N 3.88W 0 3.9b,3.2
CNRM VI 20 11 49 36.9 34.59N 3.90W 2 3.4,3.2
CSEM VI 20 11 49 36.3–.17 34.59N 3.91W 10 3.4,3.2
ISCJB VI 20 11 49 36.3–.49 34.62N–.02 3.98W–.03 17–5 2.9b,3.2
ISC Event type ke.
INMG Event type ke.
SFS Event type ke.
PDA Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VI 21 14 56 26.3–.81 34.05N–.03 5.10W–.03 14–5 110 0-6
CNRM VI 21 14 56 26.9 34.04N 4.91W 1 3.3 ¶13375469
CSEM VI 21 14 56 26.6–.19 34.06N 5.15W 10 3.5b
PDA VI 21 14 56 27.3–1.2 33.98N 5.00W 31 2.1L
MDD VI 21 14 56 27.0–.40 34.06N 5.18W 0 3.5b
ISCJB VI 21 14 56 27.5–1.1 34.10N–.02 5.15W–.03 15–8 3.5b
INMG VI 21 14 56 27.3–1.2 33.98N 5.00W 31 2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.5km az=82.0.
PDA Event type ke. Error ellipse: s-maj=13.9km s-min=2.8km az=83.0.
MDD Error ellipse: s-maj=4.1km s-min=3.5km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=168.6.
INMG Event type ke. Error ellipse: s-maj=13.9km s-min=2.8km az=83.0.

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MDD I 04 13 23 28.7–2.5 35.15N 0.00E 0 3.5b
CSEM I 04 13 23 28.7 35.15N 0.00E 0 3.5b ¶14557207
MDD Error ellipse: s-maj=24.1km s-min=9.4km az=160.0. PRXIMO SOLUCIN POBRE.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
ISC I 04 14 04 37.7–1.6 35.97N–.04 0.09E–.03 3–14 83 0-8
CRAAG I 04 14 04 40.4 35.71N 0.24E 3.4L ¶11659087
CSEM I 04 14 04 40.6–.32 35.97N 0.11E 10 3.4L
MDD I 04 14 04 41.3–.75 36.00N 0.04E 0 2.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=5.0km az=10.0.
MDD Error ellipse: s-maj=11.8km s-min=3.7km az=12.0. PRXIMO.
MDD I 09 15 03 38.0–.80 36.97N 2.71E 0 3.5b
¶14557264
MDD Error ellipse: s-maj=18.5km s-min=5.9km az=44.0. PRXIMO SOLUCIN POBRE.
ISC I 11 16 50 24.7–.74 36.66N–.05 3.12E–.03 18–2 3.3b 230 0-58
IDC I 11 16 50 20.5–1.6 36.48N 3.20E 0 3.7L,3.4 ¶11615737
CRAAG I 11 16 50 22.4 36.55N 3.12E 4.2L,3.4
MDD I 11 16 50 25.7–.65 36.67N 3.20E 12–4 4.3b,3.4
CSEM I 11 16 50 25.7–.26 36.75N 3.20E 20 4.2L,3.4
LDG I 11 16 50 28.7–.21 36.89N 2.78E 20 3.4L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=28.1km s-min=24.3km az=10.0.
MDD Error ellipse: s-maj=6.6km s-min=4.7km az=152.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.9km az=145.0.
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=2.3km az=145.0.
ISC I 15 04 14 36.3–2.2 34.72N–.05 1.12W–.06 17–14 66 1-6
ISCJB I 15 04 14 34.9–1.4 34.74N–.05 1.06W–.07 14–11 ¶14557347
MDD I 15 04 14 34.4–1.8 34.62N 1.15W 0 3.9b
CSEM I 15 04 14 36.9–.64 34.88N 1.21W 2 3.7
CNRM I 15 04 14 45.2 34.67N 1.14W 30 3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=6.1km az=31.3.
MDD Error ellipse: s-maj=17.0km s-min=12.1km az=160.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=13.5km s-min=9.3km az=133.0.
ISC I 15 06 49 23.3–1.3 35.43N–.07 0.39E–.05 29 66 1-6
ISCJB I 15 06 49 23.9–.78 35.54N–.06 0.33E–.04 29 ¶11659121
CSEM I 15 06 49 23.2–.39 35.51N 0.35E 10 3.8b
MDD I 15 06 49 23.4–.92 35.48N 0.33E 0 3.8b
CRAAG I 15 06 49 24.0 35.54N 0.43E 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.4km az=3.5.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=4.3km az=179.0.
MDD Error ellipse: s-maj=13.1km s-min=5.2km az=6.0. PRXIMO.
ISC I 17 08 08 53.8–1.0 36.58N–.05 3.35E–.04 18 42 0-6
CRAAG I 17 08 08 52.3 36.50N 3.30E 3.0L ¶11659133
ISCJB I 17 08 08 54.7–.81 36.72N–.05 3.28E–.07 18 3.0L
MDD I 17 08 08 54.7–.80 36.63N 3.35E 0 3.6b
CSEM I 17 08 08 55.0–.45 36.61N 3.34E 20 3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.6km az=168.9.
MDD Error ellipse: s-maj=10.1km s-min=7.2km az=19.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=9.6km az=109.0.
ISC I 17 11 22 26.1–.38 36.40N–.03 1.61E–.02 16–2 4.8s,4.4b 572 0-147
BJI I 17 11 22 22.0 36.20N 1.60E 10 5.3b,5.2s ¶11596168
IDC I 17 11 22 23.8–.73 36.41N 1.62E 0 4.1,4.1
LDG I 17 11 22 24.8–.14 36.41N 1.57E 15 3.7L,4.1
NEIC I 17 11 22 25.5–.29 36.35N 1.62E 10 4.8b,4.6L
SFS I 17 11 22 25.0 36.25N 1.57E 10 4.8L,4.6L
ISCJB I 17 11 22 26.4–.42 36.46N–.02 1.49E–.02 28–3 4.3b,4.3s
MDD I 17 11 22 26.2–.60 36.40N 1.66E 6–7 4.8b,4.3s
CSEM I 17 11 22 26.7–.11 36.34N 1.60E 20 4.7L,4.6W
CRAAG I 17 11 22 26.4 36.28N 1.64E 4.7L,4.6W
MOS I 17 11 22 27.2–1.4 36.38N 1.61E 33 5.2b,4.6W
IGIL I 17 11 22 27.1 36.43N 1.64E 0 3.2L,4.6W
CNRM I 17 11 22 27.6 36.47N 1.70W 22 4.2,4.6W
INMG I 17 11 22 27.6–1.4 36.43N 1.58E 17–15 3.1L,4.6W
ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=13.3km az=10.0.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=161.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.9km az=123.0.
SFS Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=171.3.
MDD Error ellipse: s-maj=7.3km s-min=3.8km az=145.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=170.0.
MOS Error ellipse: s-maj=14.4km s-min=7.1km az=60.3.
INMG Event type ke. Error ellipse: s-maj=13.1km s-min=3.5km az=128.0.
ISC II 01 21 37 10.3–3.4 33.2N–.20 0.31E–.08 17–16 42 2-6
CRAAG II 01 21 37 07.0 32.85N 0.66E 4.2L ¶12082896
MDD II 01 21 37 08.5–3.6 33.07N 0.31E 0 4.1b
CSEM II 01 21 37 11.8–1.1 33.33N 0.28E 10 4.1b
ISC Event type ke.
MDD Error ellipse: s-maj=38.0km s-min=19.2km az=15.0. PRXIMO SOLUCIN POBRE OKGL: problema de tiempo?.
CSEM Event type ke. Error ellipse: s-maj=25.1km s-min=13.2km az=13.0.
ISC II 12 01 03 38.4–2.5 33.37N–.08 0.96W–.09 15–18 39 2-6
MDD II 12 01 03 37.5–1.9 33.31N 0.76W 0 4.0b ¶14558009
CSEM II 12 01 03 39.4–.80 33.36N 0.84W 20 4.0b
ISC Event type ke.
MDD Error ellipse: s-maj=21.9km s-min=14.3km az=122.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=19.6km s-min=13.1km az=121.0.
ISC II 15 11 11 05.4–1.7 36.96N–.05 3.39E–.04 0–16 40 0-6
CRAAG II 15 11 11 05.0 36.88N 3.48E 3.2L ¶11789780
CSEM II 15 11 11 06.8–.24 36.76N 3.44E 20 3.2L
MDD II 15 11 11 10.1–.57 37.01N 3.15E 0 3.7b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.2km az=65.0.
MDD Error ellipse: s-maj=9.0km s-min=5.2km az=70.0. PRXIMO SOLUCIN POBRE.
ISC III 02 12 00 49.4–.97 36.20N–.05 3.55E–.03 11–9 71 0-10
CRAAG III 02 12 00 47.0 36.22N 3.51E 4.1L ¶12100563
CSEM III 02 12 00 49.0–.30 36.16N 3.52E 2 4.3b
MDD III 02 12 00 49.5–.50 36.14N 3.48E 0 4.3b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.3km az=20.0.
MDD Error ellipse: s-maj=9.5km s-min=4.1km az=18.0. PRXIMO.
MDD III 03 03 22 42.4–.41 35.97N 0.64W 0 2.3
CRAAG III 03 03 22 41.5 35.90N 0.62W 3.1L ¶12100565
CSEM III 03 03 22 42.7–.29 35.92N 0.64W 20 2.3L
MDD Error ellipse: s-maj=6.0km s-min=3.9km az=55.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.6km az=28.0.
ISC III 03 06 42 39.7–.49 35.07N–.04 6.52E–.03 10 4.0b 123 1-83

IDC III 03 06 42 36.6–.81 34.90N 6.35E 0 4.0,3.9 ¶11752971
ISCJB III 03 06 42 37.9–.36 35.00N–.03 6.45E–.03 10 4.0b,3.5s
NEIC III 03 06 42 39.9–.64 35.05N 6.43E 10 4.2b,3.5s
CRAAG III 03 06 42 41.0 35.25N 6.53E 4.8L,3.5s
CSEM III 03 06 42 41.0–.28 35.03N 6.62E 15 4.8L,4.3W
LDG III 03 06 42 44.6–.32 35.15N 6.44E 30 3.8L,4.3W
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=16.9km az=112.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=35.3.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.8km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=5.9km az=36.0.
LDG Event type ke. Error ellipse: s-maj=7.6km s-min=5.6km az=5.0.
ISC III 05 21 05 21.4–1.1 36.54N–.06 4.84E–.04 13 39 1-6
MDD III 05 21 05 22.5–.62 36.52N 4.85E 0 4.3b ¶12100572
CSEM III 05 21 05 22.8–.47 36.55N 4.82E 10 4.3b
CRAAG III 05 21 05 24.2 36.26N 4.80E 3.6L
ISC Event type ke.
MDD Error ellipse: s-maj=13.0km s-min=6.0km az=38.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=10.5km az=18.0.
ISC III 06 14 18 48.8–1.0 34.89N–.08 6.57E–.05 10 3.6b 21 1-72
ISCJB III 06 14 18 47.4–.91 34.74N–.09 6.6E–.10 10 3.8s,3.5b ¶12089821
IDC III 06 14 18 47.3–1.3 34.80N 6.53E 0 3.9s,3.9
CRAAG III 06 14 19 07.5 36.20N 6.30E 3.5L,3.9
CSEM III 06 14 19 07.5 36.20N 6.30E 0 3.5L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=11.9km az=142.8.
IDC Error ellipse: s-maj=38.1km s-min=24.8km az=125.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
CRAAG III 08 15 26 39.4 36.60N 1.15E 2.5L
CSEM III 08 15 25 55.6–2.3 33.56N 2.96E 300 1.8b ¶14558249
MDD III 08 15 25 57.0–7.8 33.71N 3.07E 294–47 1.8b
CSEM Event type ke. Error ellipse: s-maj=110.5km s-min=49.1km az=19.0.
MDD Error ellipse: s-maj=132.0km s-min=56.5km az=20.0. PRXIMO.
ISC III 09 22 42 08.9–1.0 36.43N–.04 3.88E–.04 16 31 0-5
CRAAG III 09 22 42 08.2 36.44N 3.77E 2.7L ¶12089834
ISCJB III 09 22 42 09.0–.76 36.49N–.05 3.83E–.07 16 2.7L
CSEM III 09 22 42 09.9–.47 36.33N 3.86E 20 3.5b
MDD III 09 22 42 10.3–1.0 36.42N 3.85E 12–12 3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.5km az=165.6.
CSEM Event type ke. Error ellipse: s-maj=13.5km s-min=11.9km az=23.0.
MDD Error ellipse: s-maj=11.1km s-min=6.7km az=36.0. PRXIMO.
ISC IV 01 05 15 43.2–1.2 33.73N–.06 0.56E–.07 10 41 3-61
IDC IV 01 05 15 36.5–1.5 33.20N 0.07E 0 3.9,3.9s ¶12934256
CNRM IV 01 05 15 38.3 33.49N 1.08E 30 4.0,3.9s
MDD IV 01 05 15 38.9–2.6 33.55N 0.78E 0 4.0b,3.9s
ISCJB IV 01 05 15 39.1–1.1 33.64N–.05 0.61E–.07 10 3.4b,3.9s
CSEM IV 01 05 15 40.3–1.3 33.57N 0.63E 10 4.0b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=31.8km s-min=19.9km az=170.0.
MDD Error ellipse: s-maj=24.8km s-min=14.1km az=113.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.7km az=37.7.
CSEM Event type ke. Error ellipse: s-maj=26.5km s-min=13.7km az=118.0.
ISC IV 05 21 49 13.3–.32 35.01N–.02 6.64E–.02 10 3.6b 114 1-72
IDC IV 05 21 49 10.8–1.2 34.79N 6.81E 0 3.9L,3.6 ¶12579656
ISCJB IV 05 21 49 11.6–.34 34.96N–.03 6.63E–.04 10 3.4b,3.6
CRAAG IV 05 21 49 12.3 34.83N 6.50E 3.8L,3.6
NEIC IV 05 21 49 15.9–.46 34.78N 6.65E 39–8 4.5,3.6
CSEM IV 05 21 49 16.1–.22 34.98N 6.78E 30 3.8L,3.6
LDG IV 05 21 49 20.0–.41 35.21N 6.19E 30 3.4L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=21.9km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=33.9.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.8km az=207.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.8km az=24.0.
LDG Event type ke. Error ellipse: s-maj=8.5km s-min=4.7km az=144.0.
ISC IV 09 10 58 11.5–1.3 36.02N–.04 2.77E–.02 8–10 127 0-70
CRAAG IV 09 10 58 10.9 36.02N 2.87E 4.1L ¶12840179
CSEM IV 09 10 58 11.9–.34 36.10N 2.73E 5 4.1L
MDD IV 09 10 58 11.7–.66 36.04N 2.78E 0 4.1b
IDC IV 09 10 58 11.2–1.7 36.13N 2.67E 0 3.5L,3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=5.1km az=164.0.
MDD Error ellipse: s-maj=8.7km s-min=4.3km az=165.0. PRXIMO.
IDC Error ellipse: s-maj=43.9km s-min=21.1km az=165.0.
ISC IV 09 18 23 24.6–1.0 36.91N–.04 3.88E–.05 13 44 1-6
CRAAG IV 09 18 23 22.1 36.93N 3.97E 3.2L ¶12840177
CSEM IV 09 18 23 25.4–.40 36.90N 3.88E 10 3.8b
ISCJB IV 09 18 23 25.3–.78 37.05N–.04 3.79E–.07 13 3.8b
MDD IV 09 18 23 26.9–1.7 36.87N 3.87E 15–20 3.8b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=7.7km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.5km az=169.5.
MDD Error ellipse: s-maj=18.4km s-min=8.5km az=38.0. PRXIMO.
ISC IV 18 23 51 43.8–.65 36.65N–.04 7.33E–.04 15–6 3.4b 100 0-71
CRAAG IV 18 23 51 41.4 36.49N 7.17E 4.5L ¶12756787
CSEM IV 18 23 51 42.9–.46 36.55N 7.34E 2 4.5L
IDC IV 18 23 51 43.8–1.1 36.30N 7.13E 0 3.6,3.5
ISCJB IV 18 23 51 43.7–.90 36.82N–.03 7.29E–.04 8–7 3.4b,3.5
LDG IV 18 23 51 45.2–.59 36.59N 7.04E 10 3.9L,3.5
STR IV 18 23 51 56.7–.72 37.54N 7.12E 10 3.9L,3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=6.5km az=126.0.
IDC Error ellipse: s-maj=21.4km s-min=18.6km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.1km az=172.0.
LDG Event type ke. Error ellipse: s-maj=14.0km s-min=4.4km az=129.0.
STR Event type ke.
ISC IV 29 16 57 08.5–.82 36.69N–.04 1.07E–.04 10 109 1-8
CRAAG IV 29 16 57 06.0 36.72N 0.99E 3.6L ¶12793636
ISCJB IV 29 16 57 08.3–.37 36.73N–.02 1.03E–.03 10 3.6L
MDD IV 29 16 57 09.5–.44 36.69N 1.06E 0 4.1b
CSEM IV 29 16 57 09.3–.18 36.66N 1.04E 10 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=157.8.
MDD Error ellipse: s-maj=6.2km s-min=3.8km az=76.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=63.0.
ISC V 01 07 49 57.2–1.6 36.99N–.06 3.67E–.06 14–13 59 1-6
CRAAG V 01 07 49 56.8 37.36N 3.31E 3.5L ¶12936530
MDD V 01 07 49 58.6–1.1 36.96N 3.60E 0 4.0b
CSEM V 01 07 49 58.5–.46 36.94N 3.58E 10 3.5L
ISC Event type ke.
MDD Error ellipse: s-maj=12.8km s-min=6.2km az=91.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=6.6km az=98.0.
CRAAG V 01 21 03 43.7 36.33N 4.63E 3.5L
CSEM V 01 21 03 43.7 36.33N 4.63E 0 3.5L ¶15178966
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
ISC V 02 21 42 11.0–1.6 36.58N–.05 1.57E–.05 8–14 49 0-5
CRAAG V 02 21 42 10.8 36.48N 1.34E 3.3L ¶12936544
ISCJB V 02 21 42 10.8–.00 36.62N–.06 1.58E–.07 11–11 3.3L
MDD V 02 21 42 11.7–.60 36.51N 1.57E 0 4.0b
CSEM V 02 21 42 11.7–.30 36.46N 1.60E 15 4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.1km az=43.4.
MDD Error ellipse: s-maj=8.5km s-min=5.5km az=95.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=6.0km az=99.0.
ISC V 06 00 57 04.6–1.2 36.89N–.05 4.22E–.05 13 62 1-6
CRAAG V 06 00 57 05.1 37.04N 4.01E 4.0L ¶12920595
CSEM V 06 00 57 05.8–.23 36.82N 4.19E 10 4.1b
MDD V 06 00 57 06.2–.75 36.88N 4.15E 0 4.1b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.4km az=36.0.
MDD Error ellipse: s-maj=10.0km s-min=7.2km az=52.0. PRXIMO.
ISC V 15 01 43 16.7–.87 36.90N–.05 4.22E–.03 13 47 0-6
ISCJB V 15 01 43 16.9–.53 36.92N–.05 4.14E–.05 13 ¶15179079
CSEM V 15 01 43 16.7–.29 36.83N 4.17E 2 3.7L
MDD V 15 01 43 17.3–.51 36.83N 4.14E 0 4.1b
CRAAG V 15 07 43 14.3 36.92N 4.20E 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.6km az=35.5.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=6.1km az=29.0.
MDD Error ellipse: s-maj=9.5km s-min=4.8km az=27.0. PRXIMO.
ISC V 15 22 35 48.6–1.4 36.93N–.05 4.24E–.02 16–13 180 0-13
CRAAG V 15 22 35 47.5 36.94N 4.21E 4.3L ¶12842971
CSEM V 15 22 35 49.1–.15 36.87N 4.30E 10 4.3L
MDD V 15 22 35 51.8–1.5 36.86N 4.27E 26–17 4.4b
LDG V 15 22 35 54.3–.33 37.03N 3.81E 30 3.6L
STR V 15 22 35 57.4–.00 37.36N 4.41E 20 3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=18.0.
MDD Error ellipse: s-maj=5.6km s-min=4.5km az=17.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=3.6km az=147.0.
STR Event type ke.
ISC V 18 10 40 48.9–1.4 36.41N–.05 1.64E–.05 19–5 36 0-4
CRAAG V 18 10 40 47.6 36.52N 1.45E 3.5L ¶12920622
ISCJB V 18 10 40 48.6–.93 36.49N–.05 1.54E–.08 13–9 3.5L
CSEM V 18 10 40 48.9–.20 36.41N 1.63E 10 3.5L
MDD V 18 10 40 49.7–1.2 36.43N 1.60E 8–13 3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=8.4km az=18.9.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=101.0.
MDD Error ellipse: s-maj=11.1km s-min=8.4km az=167.0. PRXIMO.
CRAAG V 18 15 24 40.7 36.52N 1.46E 3.6L
¶15179098
CRAAG V 19 12 36 48.7 36.14N 6.64E 3.5L
CSEM V 19 12 36 48.7 36.14N 6.64E 0 3.5L ¶15179102
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
ISC V 29 03 53 38.1–.82 35.75N–.05 5.09E–.03 10 124 0-57
IDC V 29 03 53 36.8–1.4 35.67N 5.09E 0 3.5L,3.3 ¶12920660
CRAAG V 29 03 53 36.0 35.62N 5.13E 3.9L,3.3
ISCJB V 29 03 53 37.8–.47 35.76N–.04 5.00E–.03 10 3.3b,3.3
CSEM V 29 03 53 39.2–.38 35.75N 5.02E 5 4.4b,3.3
MDD V 29 03 53 39.5–.86 35.71N 5.05E 0 4.4b,3.3
SFS V 29 03 53 41.0 35.60N 4.80E 0 4.4L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=34.1km s-min=20.4km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=172.1.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=5.1km az=161.0.
MDD Error ellipse: s-maj=11.6km s-min=5.3km az=167.0. PRXIMO.
SFS Event type ke.
ISC V 29 11 57 05.7–1.4 35.69N–.05 0.95W–.04 16–12 63 0-6
ISCJB V 29 11 57 06.2–.82 35.77N–.07 0.95W–.06 17–17 ¶12920661
CSEM V 29 11 57 07.8 35.76N 1.01W 10 2.3L
MDD V 29 11 57 07.8–1.7 35.76N 1.01W 10–18 2.3
CRAAG V 29 11 58 05.7 35.55N 0.78W 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=5.7km az=146.5.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
MDD Error ellipse: s-maj=18.9km s-min=7.8km az=141.0. PRXIMO.
ISC VI 02 05 00 03.2–1.2 35.61N–.03 0.93W–.02 17–8 316 0-22
SFS VI 02 05 00 01.0 35.47N 0.98W 0 3.1L ¶12954615
IDC VI 02 05 00 01.2–2.1 35.54N 0.98W 0 3.9L,3.5
INMG VI 02 05 00 02.2–.99 35.50N 1.12W 0 2.8L,3.5
PDA VI 02 05 00 02.2–.99 35.50N 1.12W 0 2.8L,3.5
LDG VI 02 05 00 02.2–.42 35.53N 0.91W 30 3.2L,3.5
MDD VI 02 05 00 02.6–.31 35.60N 0.99W 0 3.0,3.5
CSEM VI 02 05 00 03.5–.21 35.56N 1.00W 20 3.9L,3.5
CRAAG VI 02 05 00 03.2 35.50N 0.89W 3.9L,3.5
IGIL VI 02 05 00 03.2 35.47N 1.08W 7 2.7L,3.5
CNRM VI 02 05 00 06.8 35.43N 0.80W 30 3.9,3.5
ISC Event type ke.
SFS Event type ke.
IDC Error ellipse: s-maj=44.1km s-min=25.4km az=62.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=142.0.
PDA Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=142.0.
LDG Event type ke. Error ellipse: s-maj=9.4km s-min=4.2km az=155.0.
MDD Error ellipse: s-maj=4.2km s-min=3.2km az=21.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=173.0.
ISC VI 11 05 42 18.2–.69 35.74N–.03 0.51E–.03 20–3 3.8b 268 0-60
IDC VI 11 05 42 16.2–1.2 35.79N 0.51E 0 3.8,3.7 ¶13196168
CSEM VI 11 05 42 17.8–.17 35.70N 0.55E 20 4.4b,3.7
CRAAG VI 11 05 42 17.1 35.76N 0.56E 4.7L,3.7
PDA VI 11 05 42 17.1–1.2 35.55N 0.68E 31 2.8L,3.7
INMG VI 11 05 42 17.1–1.2 35.55N 0.68E 31 2.8L,3.7
ISCJB VI 11 05 42 17.3–.48 35.76N–.02 0.48E–.02 30–5 3.7b,3.4s
LDG VI 11 05 42 18.9–.32 35.55N 0.65E 25 3.2L,3.4s
MDD VI 11 05 42 18.3–.40 35.71N 0.56E 12–6 4.4b,3.4s
CNRM VI 11 05 42 25.7 35.45N 0.43E 35 4.2,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=21.2km az=134.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=178.0.
PDA Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=128.0.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=128.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=167.4.
LDG Event type ke. Error ellipse: s-maj=6.6km s-min=3.3km az=142.0.
MDD Error ellipse: s-maj=6.0km s-min=3.5km az=162.0.
ISC VI 11 08 26 13.1–1.2 35.74N–.03 0.59E–.03 33–3 3.8b 126 0-60
IDC VI 11 08 26 09.6–1.3 35.87N 0.51E 0 3.5,3.5L ¶13359713
CRAAG VI 11 08 26 09.3 35.92N 0.49E 4.2L,3.5L
ISCJB VI 11 08 26 12.3–.38 35.79N–.03 0.54E–.03 38–8 3.6b,3.5s
MDD VI 11 08 26 12.7–.45 35.85N 0.49E 0 4.0b,3.5s
CSEM VI 11 08 26 12.4–.22 35.77N 0.59E 20 4.0b,3.5s
PDA VI 11 08 26 13.9–.98 35.69N 0.51E 31 2.6L,3.5s
INMG VI 11 08 26 13.9–.98 35.69N 0.51E 31 2.6L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=22.9km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=11.3.
MDD Error ellipse: s-maj=6.5km s-min=4.1km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.9km az=5.0.
PDA Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=127.0.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=127.0.
ISC VI 11 23 03 04.1–1.1 36.68N–.07 2.33E–.04 18 21 1-4
CRAAG VI 11 23 03 04.5 36.40N 2.41E 2.1L ¶13359718
MDD VI 11 23 03 05.1–1.6 36.41N 2.26E 19–15 2.7b
CSEM VI 11 23 03 05.0–.53 36.57N 2.33E 20 2.7b
ISC Event type ke.
MDD Error ellipse: s-maj=20.9km s-min=11.2km az=37.0. PROXIMO SIN SOLUCION.
CSEM Event type ke. Error ellipse: s-maj=25.5km s-min=11.5km az=14.0.
ISC VI 12 00 11 46.8–1.7 36.82N–.08 2.47E–.04 24–21 35 0-5
MDD VI 12 00 11 48.0–1.5 36.67N 2.49E 62–28 2.5b ¶13359719
CSEM VI 12 00 11 48.0–.39 36.78N 2.46E 40 2.5b
CRAAG VI 12 00 11 54.2 36.36N 2.82E 2.3L
ISC Event type ke.
MDD Error ellipse: s-maj=14.1km s-min=10.9km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=13.6km s-min=8.3km az=34.0.
ISC VI 16 02 41 48.5–.90 36.39N–.04 4.41E–.03 13 63 0-10
CRAAG VI 16 02 41 47.4 36.38N 4.46E 3.5L ¶13359729
ISCJB VI 16 02 41 48.9–.49 36.49N–.04 4.34E–.04 13 3.5L
CSEM VI 16 02 41 48.6–.18 36.38N 4.43E 2 3.5L
MDD VI 16 02 41 49.4–.44 36.36N 4.41E 0 3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.5km az=17.2.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=6.0.

MDD Error ellipse: s-maj=6.4km s-min=4.2km az=171.0.
ISC VI 24 15 51 41.3–1.7 36.15N–.05 6.67E–.03 0–16 23 0-23
CRAAG VI 24 15 51 40.0 36.18N 6.64E 3.9L **¶15179210**
CSEM VI 24 15 51 40.0 36.18N 6.64E 0 3.9L
IDC VI 24 15 51 51.2–3.6 34.62N 8.23E 0 3.2,3.2
ISC Event type ke.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
IDC Error ellipse: s-maj=134.2km s-min=24.3km az=122.0.
ISC VI 29 04 29 09.0–.96 36.42N–.04 2.99E–.04 18 43 0-5
CRAAG VI 29 04 29 08.0 36.49N 2.90E 3.6L **¶13360733**
ISCJB VI 29 04 29 09.8–.65 36.55N–.04 2.92E–.06 18 3.6L
MDD VI 29 04 29 10.5–.48 36.47N 2.91E 0 3.6b
CSEM VI 29 04 29 10.0–.29 36.48N 2.93E 10 3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.6km az=153.1.
MDD Error ellipse: s-maj=7.4km s-min=4.8km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=6.4km az=54.0.

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ISC V 04 12 03 27.9–.76 36.92N–.05 9.14E–.05 10 3.8b,3.1s 51 0-71
TUN V 04 12 03 25.9 37.03N 8.99E 9 3.3,3.1s **¶12793947**
ISCJB V 04 12 03 26.8–.47 37.00N–.04 9.13E–.05 10 3.6b,3.1s
IDC V 04 12 03 26.3–1.0 36.91N 9.21E 0 4.6L,3.7
LDG V 04 12 03 26.5–.21 37.01N 9.04E 2 3.3L,3.7
CRAAG V 04 12 03 27.6 36.92N 9.16E 3.3W,3.7
CSEM V 04 12 03 28.0–.27 36.92N 9.10E 2 3.3W,3.7
ISC Event type ke.
TUN Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.6km az=177.2.
IDC Error ellipse: s-maj=29.2km s-min=11.5km az=92.0.
LDG Event type ke. Error ellipse: s-maj=6.6km s-min=3.3km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.5km az=94.0.
ISC VI 15 03 41 01.9–1.2 36.01N–.05 9.1E–.10 10 19 0-3
CSEM VI 15 03 41 01.6 36.08N 9.19E 22 3.1 **¶15179189**
TUN VI 15 03 41 01.6 36.08N 9.19E 22 3.1
ISCJB VI 15 03 41 03.3–.73 36.02N–.05 8.98E–.08 10 3.1
CRAAG VI 15 03 41 22.3 36.42N 7.43E 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After SBS.
TUN Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=7.1km az=6.8.
ISC VI 20 23 56 48.7–.84 35.91N–.04 9.03E–.04 10 43 0-24
IDC VI 20 23 56 44.0–2.5 36.04N 9.68E 0 4.0L,3.7 **¶13359742**
CSEM VI 20 23 56 50.7–.35 36.07N 8.97E 5 3.4,3.7
TUN VI 20 23 56 51.8 35.99N 9.20E 6 3.4,3.7
CRAAG VI 20 23 57 08.7 36.42N 7.31E 2.9L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=42.7km s-min=16.1km az=127.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=7.9km az=13.0.
TUN Event type ke.

(398) Sicily.

ISC II 07 08 02 34.7–.79 37.73N–.03 13.84E–.03 14–5 84 0-9
ISCJB II 07 08 02 35.2–.44 37.73N–.04 13.83E–.04 16–4 **¶11667394**
LDG II 07 08 02 35.8–.48 37.60N 13.71E 10 3.0L
ROM II 07 08 02 35.2–.15 37.72N 13.86E 7–1 3.5L
CSEM II 07 08 02 35.2–.21 37.70N 13.83E 15 4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=3.8km az=39.3.
LDG Event type ke. Error ellipse: s-maj=14.7km s-min=6.7km az=27.0.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.5km az=29.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.4km az=35.0.
ROM II 12 12 13 02.4–.37 37.71N 13.80E 9 3.1L,2.6
CSEM II 12 12 13 02.4 37.71N 13.80E 9 2.6,2.6 **¶11671978**
ROM Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC III 14 09 26 51.2–.88 37.73N–.02 15.13E–.02 9–7 102 0-4
ISCJB III 14 09 26 50.9–.35 37.75N–.02 15.11E–.04 14–5 **¶11882899**
ROM III 14 09 26 50.7–.19 37.73N 15.15E 5–2 3.4L
CSEM III 14 09 26 51.7–.19 37.72N 15.13E 20 4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.9km az=14.3.
ROM Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=103.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=112.0.
ISC III 17 17 39 15.7–1.2 38.7N–.10 14.92E–.08 269–10 4.0b 67 0-31
ROM III 17 17 39 14.3–.33 38.66N 14.90E 276–4 3.1L **¶12703525**
CSEM III 17 17 39 14.3 38.66N 14.90E 276 3.1L
ISCJB III 17 17 39 15.6–.81 38.7N–.10 14.9E–.10 269–8 3.8b
IDC III 17 17 39 22.1–10 38.98N 14.58E 329–35 3.4b,3.2
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=9.9km s-min=4.0km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISCJB Event type ke. Error ellipse: s-maj=18.8km s-min=10.1km az=146.6.
IDC Error ellipse: s-maj=177.0km s-min=41.9km az=33.0.
ROM IV 04 15 36 16.5–.17 38.29N 15.18E 113–2 2.5L
CSEM IV 04 15 36 16.5–.45 38.33N 15.20E 114–3 2.5L **¶16194176**
ROM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=145.0.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=7.7km az=104.0.
ROM VI 13 22 54 31.3–.12 37.98N 14.07E 6–1 1.2
¶16871366
ROM Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=165.0.
ISC VI 13 22 55 24.6–.84 38.00N–.03 14.06E–.02 6–5 56 0-1
ISCJB VI 13 22 55 24.8–.49 38.01N–.03 14.05E–.03 7–5 **¶13066714**
ROM VI 13 22 55 24.6–.12 38.01N 14.06E 4–1 2.5,2.3L
CSEM VI 13 22 55 24.6 38.01N 14.06E 4 2.5,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=6.3.
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=2.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 20 17 25 36.4–.70 38.99N–.06 15.35E–.08 265–6 3.5b 101 1-48
ISCJB VI 20 17 25 36.2–.38 39.00N–.05 15.43E–.08 270–3 3.5b **¶13201600**
ROM VI 20 17 25 36.3–.26 38.92N 15.42E 269–3 3.1L
CSEM VI 20 17 25 36.3 38.92N 15.42E 269 3.1L
IDC VI 20 17 25 38.1–3.2 39.19N 15.00E 282–37 3.1b,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=7.5km az=179.0.
ROM Event type ke. Error ellipse: s-maj=5.7km s-min=2.9km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
IDC Error ellipse: s-maj=18.2km s-min=15.8km az=94.0.

(399) Ionian Sea.

ATH I 10 07 28 59.6 37.12N 20.40E 18–1 3.6
CSEM I 10 07 28 59.6 37.12N 20.40E 18 3.6 **¶14358099**
ATH Error ellipse: s-maj=2.6km s-min=3.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC I 10 11 38 16.9–1.6 37.20N–.04 20.51E–.05 7–10 87 1-9
CSEM I 10 11 38 17.7–.48 37.19N 20.61E 2 3.3L **¶14188811**
ATH I 10 11 38 18.5 37.22N 20.64E 14–3 3.2L
THE I 10 11 38 19.9 37.25N 20.72E 2–1 3.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=4.3km az=49.0.
ATH Error ellipse: s-maj=2.5km s-min=3.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=238.0.
ATH I 24 01 26 29.3 37.49N 20.48E 23–2 3.7
CSEM I 24 01 26 29.3 37.49N 20.48E 23 3.7 **¶14358456**
ATH Error ellipse: s-maj=2.2km s-min=4.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC II 02 01 28 56.7–.98 37.62N–.03 20.87E–.03 31–7 3.9b 275 0-77
IDC II 02 01 28 52.5–.72 37.62N 21.00E 0 3.9,3.9b **¶13434171**
CSEM II 02 01 28 54.7–.35 37.45N 20.70E 20 4.1b,3.9b
ATH II 02 01 28 55.7 37.59N 20.89E 20–1 3.7L,3.9b
THE II 02 01 28 56.5 37.61N 20.93E 0–3 3.8L,3.9b
MOS II 02 01 28 56.1–1.1 37.70N 20.87E 33 4.2b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=12.9km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=4.3km az=35.0.
ATH Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=220.0.
MOS Error ellipse: s-maj=14.7km s-min=8.2km az=77.9.
ISC II 02 04 13 35.0–.82 37.62N–.02 20.91E–.02 29–6 4.3b,3.6s 543 0-122
BJI II 02 04 13 33.5 37.82N 20.04E 54 5.1s,4.9b **¶13434182**
ATH II 02 04 13 34.1 37.61N 20.95E 17–1 3.9L,4.9b
THE II 02 04 13 34.4 37.62N 20.95E 0–3 4.0L,4.9b
NEIC II 02 04 13 34.1 37.61N 20.95E 17 4.5b,3.9L
CSEM II 02 04 13 34.4–.15 37.55N 20.84E 20 4.4b,3.9L
IDC II 02 04 13 36.7–2.0 37.60N 21.03E 41–19 3.9,3.8
MOS II 02 04 13 37.2–1.1 37.83N 20.88E 55 4.4b,3.8
PDG II 02 04 13 37.5–.33 37.86N 20.65E 20–3 3.8L,3.8
HLW II 02 04 13 38.9 37.55N 21.75E 21–18 4.2,4.0L
ISC Event type fe.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.8km az=227.0.
NEIC Event type fe. Felt at Ambelokipoi, Kalamakion and Planos, Greece. After ATH.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=39.0.
IDC Error ellipse: s-maj=15.8km s-min=11.9km az=153.0.
MOS Error ellipse: s-maj=10.9km s-min=5.5km az=69.6.
PDG Event type ke. Error ellipse: s-maj=3.5km s-min=1.9km az=90.0.
ISC II 05 14 50 12.2–1.2 37.34N–.03 16.13E–.03 30–12 94 1-6
ISCJB II 05 14 50 12.5–.65 37.34N–.03 16.16E–.04 27–4 **¶11667328**
ROM II 05 14 50 13.6–.23 37.39N 16.03E 25–2 3.1L,2.7
CSEM II 05 14 50 13.6 37.39N 16.03E 25 2.7,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.4km az=44.0.
ROM Event type ke. Error ellipse: s-maj=3.4km s-min=1.4km az=124.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC II 16 23 16 39.9–.23 37.24N–.01 20.90E–.01 13–1 5.5b,5.3s 2419 1-164
SZGRF II 16 23 16 36.5 37.07N 21.33E 10 5.8b,5.1s **¶13434691**
BGS II 16 23 16 36.3–1.6 36.84N 20.88E 10 5.6b,5.2s
ROM II 16 23 16 36.1–.64 37.03N 21.01E 10 5.7L,5.2s
IDC II 16 23 16 37.8–.38 37.25N 20.97E 0 5.2,5.2b
BJI II 16 23 16 37.6 37.48N 21.13E 8 5.7s,5.7b
ISCJB II 16 23 16 37.3–.30 37.28N–.01 20.857E–.01 1–1 5.5b,5.3s
NEIC II 16 23 16 38.5 37.13N 20.78E 15 5.5b,5.5L
ATH II 16 23 16 38.5 37.13N 20.78E 15–2 5.5L,5.5L
THE II 16 23 16 38.2 37.08N 20.75E 0–1 5.7L,5.5L
PDG II 16 23 16 38.7–.59 37.15N 20.76E 12–1 5.5,5.4L
IGIL II 16 23 16 38.8 37.21N 20.80E 10 5.3b,5.4L
CSEM II 16 23 16 39.6–.08 37.21N 20.82E 10 5.6b,5.5s
MOS II 16 23 16 40.8–1.1 37.34N 20.86E 33 5.7b,5.3s
SFS II 16 23 16 40.0 37.41N 21.07E 10 5.6L,5.3s
TEH II 16 23 16 41.0 37.41N 21.07E 10 5.6L,5.3s
DJA II 16 23 16 41 37.35N 21.06E 10 5.3b,5.3s
HLW II 16 23 16 41.3 37.15N 21.53E 30–28 5.4L,5.2
BEO II 16 23 16 59.0–5.0 38.73N 20.57E 0 5.0L,5.2
ISC Event type fe.
SZGRF Southern Greece.
BGS Error ellipse: s-maj=79.2km s-min=41.4km az=-1.0.
ROM Event type ke. Error ellipse: s-maj=10.4km s-min=2.8km az=118.0.
IDC Error ellipse: s-maj=10.7km s-min=9.2km az=133.0.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.1km az=19.9.
NEIC Event type fe. Felt [II] at Eleousa, Kalamata, Patrai and Preveza, Greece. Also felt at Ambelokipoi, Archaia Olympia, Athens, Athikia, Kiparissos, Larisa, Lithakia, Lixourion, Piraeus, Planos, Tripolis, Valsamata, Varda, Zakinthos and Zitsa. Felt at Gjirokaster, Albania. After ATH. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}0.54 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-1.10 $M_{r\theta}$1.16 $M_{\theta\phi}$0.85 $M_{\theta r}$-0.21 Best double couple: NP1:ϕ_s15.00000°,δ46.00000° ,λ161.00000°. NP2:ϕ_s118.00000°,δ77.00000°,λ45.00000°. Principal axes: T 1.7900,Plg40.0000°,Azm346.0000°; N -0.1100,Plg43.0000°,Azm130.0000° ; P -1.6800,Plg19.0000°,Azm239.0000° $M_0$1.70000×10^{17}
ATH Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=237.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=17.0.
MOS Error ellipse: s-maj=4.3km s-min=2.4km az=99.8.
SFS Event type ke.
BEO Event type ke.
THE II 17 04 48 35.5 37.21N 20.83E 5–0 2.7L
ATH II 17 04 48 33.9 37.11N 20.70E 9–2 3.4 **¶14189585**
CSEM II 17 04 48 34.3–.66 37.13N 20.75E 12 2.7L
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=230.0.
ATH Error ellipse: s-maj=1.9km s-min=2.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=5.1km az=47.0.
ISC II 17 08 49 15.7–1.6 37.06N–.04 20.70E–.05 3–10 110 1-4
ATH II 17 08 49 13.3 36.97N 20.62E 5–1 3.5 **¶14189592**
CSEM II 17 08 49 14.9–.40 37.04N 20.66E 2 3.1L
THE II 17 08 49 16.6 37.11N 20.76E 0–0 3.1L
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=3.4km az=52.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=228.0.
THE II 17 13 38 41.7 37.12N 20.77E 0–2 2.7L
ATH II 17 13 38 39.7 37.04N 20.70E 5–2 3.3 **¶14189604**
CSEM II 17 13 38 40.8–.69 37.08N 20.72E 2 2.7L
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=235.0.
ATH Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=5.5km az=52.0.
ATH II 18 09 10 43.2 37.00N 20.62E 6–4 3.5
CSEM II 18 09 10 43.3 37.00N 20.62E 6 3.5 **¶14359250**
ATH Error ellipse: s-maj=3.6km s-min=3.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC II 18 14 15 32.5–1.7 37.11N–.05 20.73E–.05 2–11 76 1-3
ATH II 18 14 15 32.5 37.11N 20.70E 10–3 3.5 **¶14189685**
THE II 18 14 15 33.1 37.14N 20.75E 1–1 2.7L
CSEM II 18 14 15 33.1–.50 37.16N 20.74E 2 2.7L
ISC Event type ke.
ATH Error ellipse: s-maj=3.5km s-min=3.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=220.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=4.2km az=52.0.
ISC II 18 16 48 37.6–1.5 37.11N–.04 20.73E–.05 6–10 121 1-7
ATH II 18 16 48 37.5 37.09N 20.68E 12–3 3.6 **¶14189691**
CSEM II 18 16 48 38.4–.43 37.10N 20.78E 2 3.3L
THE II 18 16 48 40.0 37.21N 20.86E 0–1 3.3L
BEO II 18 16 49 06.9–.90 39.36N 20.36E 0 3.2L
ISC Event type ke.
ATH Error ellipse: s-maj=2.7km s-min=3.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=3.7km az=50.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=230.0.
BEO Event type ke.
ISC II 18 16 59 36.4–1.5 37.11N–.04 20.74E–.05 5–10 101 1-3
ATH II 18 16 59 34.6 37.05N 20.66E 5–1 3.5 **¶14189692**
THE II 18 16 59 36.6 37.12N 20.75E 7–1 3.2L
CSEM II 18 16 59 37.0–.52 37.14N 20.77E 2 3.2L
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=233.0.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=5.1km az=49.0.
ISC II 21 17 14 18.8–1.7 37.11N–.04 20.75E–.05 3–10 81 1-3
ATH II 21 17 14 18.8 37.11N 20.73E 10–3 3.6 **¶14189759**
CSEM II 21 17 14 18.2–.48 37.11N 20.70E 2 3.0L
THE II 21 17 14 19.2 37.11N 20.75E 3–1 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=2.4km s-min=2.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=3.9km az=49.0.

THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=232.0.
ISC II 23 11 29 59.3–1.4 37.12N–.04 20.86E–.04 1–10 157 1-4
ATH II 23 11 29 57.2 37.03N 20.73E 5 3.5 ¶14189809
ISCJB II 23 11 29 58.2–.74 37.09N–.03 20.79E–.04 1–4 3.5
CSEM II 23 11 29 59.0–.34 37.09N 20.83E 2 3.2L
THE II 23 11 30 00.3 37.16N 20.89E 0–2 3.2L
ISC Event type ke.
ATH Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.4km az=135.6.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.4km az=41.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.0km az=224.0.
ISC II 23 22 35 03.4–2.1 37.03N–.07 20.66E–.08 3–11 48 1-3
ATH II 23 22 35 02.7 37.02N 20.60E 5–4 3.6 ¶14359446
CSEM II 23 22 35 02.3–1.4 36.96N 20.59E 2 3.6
ISC Event type ke.
ATH Error ellipse: s-maj=3.6km s-min=3.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=28.9km s-min=11.9km az=43.0.
ATH II 23 22 44 14.3 37.03N 20.59E 25–2 3.5
CSEM II 23 22 44 14.3 37.03N 20.59E 25 3.5 ¶14359447
ATH Error ellipse: s-maj=3.5km s-min=3.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC II 26 15 10 34.0–1.2 37.16N–.03 20.73E–.03 15–8 3.6b 153 1-70
IDC II 26 15 10 32.3–1.0 37.27N 20.88E 0 3.7,3.6 ¶13435115
ISCJB II 26 15 10 33.8–.74 37.10N–.03 20.63E–.04 24–5 3.6b,3.6
ATH II 26 15 10 34.2 37.19N 20.78E 12–1 3.3,3.6
CSEM II 26 15 10 35.4–.41 37.10N 20.73E 20 3.6L,3.6
THE II 26 15 10 35.7 37.04N 20.75E 23–2 3.6L,3.6
BEO II 26 15 10 36.4–.96 37.34N 20.47E 0 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=21.5km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=31.7.
ATH Error ellipse: s-maj=1.2km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=4.2km az=37.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=215.0.
BEO Event type ke.
ISC II 27 15 06 39.8–1.2 37.62N–.03 16.49E–.03 28–11 132 1-48
CSEM II 27 15 06 39.8–.29 37.59N 16.61E 40 4.8L ¶11730469
ROM II 27 15 06 39.6–.10 37.55N 16.56E 38–0 3.4L
IDC II 27 15 06 45.0–5.8 37.71N 16.16E 80–72 3.5L,3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=3.1km az=133.0.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=144.0.
IDC Error ellipse: s-maj=72.8km s-min=36.0km az=144.0.
ATH II 28 08 10 07.7 37.14N 20.70E 22–0 3.3
CSEM II 28 08 10 07.7 37.14N 20.70E 22 3.3 ¶14189941
ATH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC III 03 13 50 50.0–1.3 37.35N–.03 20.87E–.03 11–9 138 1-7
ISCJB III 03 13 50 49.2–.76 37.33N–.03 20.84E–.04 6–5 ¶14190063
CSEM III 03 13 50 49.8–.31 37.34N 20.85E 5 3.5L
THE III 03 13 50 50.8 37.36N 20.90E 9–0 3.5L
ATH III 03 13 50 50.5 37.36N 20.89E 20–1 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.3km az=136.1.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.2km az=43.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=229.0.
ATH Error ellipse: s-maj=2.1km s-min=2.3km az=-1.0.
ISC III 07 17 45 28.4–1.2 37.65N–.02 20.90E–.02 7–8 3.8b 177 0-70
IDC III 07 17 45 26.0–1.3 37.71N 21.03E 0 3.7b,3.7 ¶12702650
ISCJB III 07 17 45 27.2–.59 37.59N–.02 20.81E–.03 5–3 3.7b,3.7
CSEM III 07 17 45 28.4–.24 37.61N 20.88E 2 3.5L,3.7
THE III 07 17 45 29.6 37.67N 20.93E 0–1 3.4L,3.7
ATH III 07 17 45 29.3 37.65N 20.89E 16–0 3.3L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=25.4km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=146.1.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=53.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=228.0.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
ISC III 16 05 27 18.0–1.1 37.79N–.03 20.16E–.03 15–7 4.0b 435 1-74
ISCJB III 16 05 27 15.9–.51 37.71N–.02 20.00E–.02 15–4 3.9b,3.1s ¶12025679
ATH III 16 05 27 15.8 37.67N 20.04E 19–1 4.3L,3.1s
IDC III 16 05 27 15.6–1.1 37.74N 20.32E 0 3.9,3.8b
MOS III 16 05 27 16.3–1.3 37.88N 20.03E 10 4.3b,3.8b
CSEM III 16 05 27 17.3–.13 37.72N 20.09E 10 4.0b,3.9W
THE III 16 05 27 19.1 37.78N 20.27E 4–1 4.1L,3.9W
PDG III 16 05 27 19.3–.68 37.89N 20.24E 11–1 3.8L,3.9W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=41.1.
ATH Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.
IDC Error ellipse: s-maj=25.7km s-min=18.1km az=126.0.
MOS Error ellipse: s-maj=12.5km s-min=5.6km az=69.7.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=48.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=236.0.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.6km az=0.0.
ISC IV 03 13 28 51.0–2.8 37.63N–.10 19.80E–.09 5–12 61 1-3
CSEM IV 03 13 28 50.5–.28 37.61N 19.76E 2 3.5 ¶14190768
ATH IV 03 13 28 51.4 37.66N 19.83E 20–2 3.5
THE IV 03 13 28 52.1 37.66N 19.83E 2–1 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=22.0.
ATH Error ellipse: s-maj=2.9km s-min=2.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=354.0.
ISC IV 03 21 01 10.9–1.5 37.78N–.04 20.04E–.04 6–10 94 1-8
CSEM IV 03 21 01 11.6–.33 37.80N 20.07E 2 3.3 ¶14190772
THE IV 03 21 01 12.4 37.78N 20.14E 0–1 2.6L
ATH IV 03 21 01 15.3 37.84N 20.38E 20–2 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.8km az=48.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.1km az=229.0.
ATH Error ellipse: s-maj=2.5km s-min=4.0km az=-1.0.
ISC IV 25 10 15 35.7–1.4 37.62N–.04 16.42E–.06 40–20 90 0-7
ISCJB IV 25 10 15 35.6–.75 37.63N–.05 16.38E–.08 49–11 ¶12692692
ROM IV 25 10 15 36.2–.09 37.65N 16.35E 38 3.1L
CSEM IV 25 10 15 36.1–.27 37.64N 16.41E 40 4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=4.1km az=35.1.
ROM Event type ke. Error ellipse: s-maj=12.2km s-min=2.2km az=63.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.0km az=125.0.
ISC IV 30 06 31 53.2–1.3 37.60N–.03 20.95E–.05 22–8 67 1-2
THE IV 30 06 31 51.7 37.54N 20.82E 17–2 2.7L ¶14191416
CSEM IV 30 06 31 52.7–.47 37.60N 21.01E 2 2.7L
ATH IV 30 06 31 52.9 37.62N 20.94E 18–2 3.0
ISCJB IV 30 06 31 53.6–.89 37.64N–.04 20.97E–.07 17–6 3.0
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC V 01 05 25 22.4–1.6 37.75N–.03 20.87E–.04 2–13 63 0-2
ISCJB V 01 05 25 22.4–.79 37.71N–.04 20.88E–.05 1–6 ¶14301426
THE V 01 05 25 23.1 37.70N 20.86E 8–1 2.2L
ATH V 01 05 25 23.0 37.74N 20.86E 13–2 2.9
CSEM V 01 05 25 23.2–.40 37.74N 20.94E 8 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.0km az=139.9.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.0km az=226.0.
ATH Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=4.7km az=52.0.
ISC V 06 23 11 49.5–1.4 37.27N–.04 20.74E–.04 5–10 97 1-3
ATH V 06 23 11 48.5 37.22N 20.68E 13–1 3.5 ¶14301616
CSEM V 06 23 11 49.6–.45 37.28N 20.77E 2 2.4L
THE V 06 23 11 50.0 37.31N 20.79E 5–0 2.4L
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=4.1km az=54.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=233.0.
ISC V 15 23 59 38.9–1.2 37.31N–.02 20.80E–.03 10–8 3.5b 215 1-46
IDC V 15 23 59 36.2–1.3 37.29N 20.93E 0 3.6,3.5 ¶13439625
ISCJB V 15 23 59 38.0–.59 37.23N–.02 20.65E–.03 16–4 3.5b,3.5
ATH V 15 23 59 38.9 37.33N 20.79E 16–0 3.7,3.5L
THE V 15 23 59 39.8 37.31N 20.85E 0–1 3.5L,3.5L
CSEM V 15 23 59 39.1–.29 37.29N 20.79E 2 3.5L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=23.1km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=138.4.
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=232.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.0km az=53.0.
ISC V 16 19 04 40.7–1.4 37.29N–.03 20.78E–.05 3–10 99 1-2
CSEM V 16 19 04 40.5–.51 37.30N 20.78E 2 2.8L ¶14695281
ATH V 16 19 04 41.0 37.29N 20.78E 10–2 3.2
THE V 16 19 04 41.0 37.32N 20.82E 4–1 2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=4.2km az=60.0.
ATH Error ellipse: s-maj=0.9km s-min=1.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=237.0.
ISC V 18 00 07 02.0–1.3 37.33N–.03 20.53E–.03 11–9 3.2b 237 1-46
IDC V 18 00 07 00.8–1.4 36.51N 21.55E 0 3.3,3.3 ¶13679148
ISCJB V 18 00 07 01.5–.66 37.29N–.02 20.42E–.04 20–5 3.1b,3.3
ATH V 18 00 07 02.7 37.36N 20.58E 19–1 3.4,3.3
CSEM V 18 00 07 02.3–.24 37.33N 20.53E 8 3.1L,3.3
THE V 18 00 07 03.1 37.34N 20.57E 9–1 3.1L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=62.9km s-min=26.3km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=151.1.
ATH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.5km az=58.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=245.0.
ISC V 18 00 20 28.3–1.3 37.37N–.03 20.59E–.04 13–9 152 1-6
ATH V 18 00 20 27.2 37.35N 20.54E 16–1 3.5 ¶14302125
ISCJB V 18 00 20 28.2–.75 37.37N–.03 20.54E–.05 18–5 3.5
CSEM V 18 00 20 28.7–.38 37.41N 20.63E 10 2.5L
THE V 18 00 20 29.5 37.41N 20.66E 12–1 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.4km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=3.7km az=61.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=245.0.
ISC V 20 03 21 34.2–.71 37.69N–.02 20.92E–.02 24–5 4.4b,3.4s 488 0-122
IDC V 20 03 21 30.6–.60 37.66N 21.05E 0 4.3,4.3b ¶13193046
MOS V 20 03 21 31.8–1.1 37.70N 20.97E 18 4.7b,4.3b
ATH V 20 03 21 32.7 37.65N 20.89E 17–0 4.3L,3.7
PDG V 20 03 21 33.5–.34 37.68N 20.86E 18–0 3.9L,3.7
THE V 20 03 21 34.1 37.68N 20.96E 14–0 4.4L,3.7
CSEM V 20 03 21 35.0–.14 37.67N 20.88E 20 4.4W,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=14.5km s-min=12.0km az=153.0.
MOS Error ellipse: s-maj=9.5km s-min=4.5km az=75.1.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=291.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=34.0.
THE V 20 21 46 01.4 37.67N 20.94E 11–5
CSEM V 20 21 46 01.4 37.67N 20.94E 11 ¶14302218
THE Event type ke. Error ellipse: s-maj=5.9km s-min=0.7km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC VI 05 10 34 23.5–1.5 38.03N–.03 19.80E–.04 2–13 106 1-4
ATH VI 05 10 34 24.4 38.04N 19.81E 10–0 3.5 ¶14304785
CSEM VI 05 10 34 25.4–.34 38.06N 19.85E 2 3.0L
THE VI 05 10 34 26.3 38.16N 19.93E 0–3 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.7km az=51.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.1km az=204.0.
ISC VI 08 23 11 29.6–1.0 37.90N–.02 20.13E–.02 14–7 3.8b 534 0-92
IDC VI 08 23 11 27.9–1.1 37.92N 20.28E 0 3.8,3.8b ¶13439998
ISCJB VI 08 23 11 28.6–.50 37.88N–.02 20.03E–.02 12–3 3.9s,3.9b
HLW VI 08 23 11 29.5 38.05N 20.64E 25–18 4.3,4.0L
CSEM VI 08 23 11 29.4–.11 37.89N 20.10E 2 4.2b,4.0L
ATH VI 08 23 11 30.1 37.93N 20.18E 16–2 4.2L,4.0L
PDG VI 08 23 11 30.5–.42 37.96N 20.17E 11–1 4.0L,4.0L
THE VI 08 23 11 31.0 37.94N 20.20E 4–0 4.0L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=17.7km az=144.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=40.8.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.5km az=45.0.
ATH Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=231.0.
ISC VI 09 20 25 15.0–1.4 37.77N–.03 20.20E–.05 18–6 104 1-8
ISCJB VI 09 20 25 12.9–.83 37.71N–.03 20.04E–.05 19–5 ¶14697151
CSEM VI 09 20 25 13.9–.54 37.73N 20.13E 13–3 4.0
ATH VI 09 20 25 14.6 37.78N 20.17E 35–3 4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=148.1.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.8km az=51.0.
ATH Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0.
ISC VI 22 03 50 51.8–1.7 37.80N–.04 20.24E–.06 11–9 3.4b 92 0-46
ATH VI 22 03 50 50.8 37.80N 20.22E 14–2 3.5 ¶13681817
CSEM VI 22 03 50 50.4–.60 37.72N 20.23E 2 3.2L
THE VI 22 03 50 52.3 37.80N 20.29E 0–2 2.9L
IDC VI 22 03 50 53.6–10 38.30N 20.97E 0 3.4,3.4
ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=3.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=6.2km az=77.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=257.0.
IDC Error ellipse: s-maj=197.5km s-min=40.6km az=36.0.
ISC VI 28 16 17 53.4–1.3 37.03N–.03 20.75E–.03 7–8 3.8b 159 1-122
TIR VI 28 16 17 51.7 37.04N 20.25E 8 3.8b ¶13307278
ATH VI 28 16 17 52.7 37.01N 20.69E 6–1 3.4
CSEM VI 28 16 17 52.6–.44 37.01N 20.71E 2 3.6L
IDC VI 28 16 17 53.0–1.1 37.16N 21.00E 0 3.7b,3.6
THE VI 28 16 17 53.8 37.06N 20.76E 2–0 3.7L,3.6
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.2km az=45.0.
IDC Error ellipse: s-maj=23.2km s-min=19.1km az=129.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=48.0.
ISC VI 28 16 40 26.7–1.4 37.07N–.04 20.80E–.04 9–9 3.7b 101 1-122
ATH VI 28 16 40 25.2 37.00N 20.72E 6–3 3.4 ¶13383589
CSEM VI 28 16 40 25.6–.44 37.05N 20.75E 2 3.5L
IDC VI 28 16 40 25.7–1.2 37.22N 20.74E 0 3.6,3.6b
THE VI 28 16 40 26.6 37.08N 20.78E 6–0 3.5L,3.6b
ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=4.1km az=50.0.
IDC Error ellipse: s-maj=29.5km s-min=21.3km az=117.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=44.0.
ISC VI 30 17 57 53.9–1.2 37.56N–.02 20.85E–.03 2–10 178 1-7
ATH VI 30 17 57 54.0 37.56N 20.82E 12–2 3.3,3.2L ¶14306886
CSEM VI 30 17 57 54.5–.36 37.58N 20.88E 0–0 3.5L,3.2L
THE VI 30 17 57 55.9 37.60N 20.94E 0–4 3.5L,3.2L

ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=3.6km az=55.0.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=1.2km az=221.0.
ISC VI 30 17 59 30.9–1.6 37.07N–.04 20.82E–.04 4–11 3.5b 132 1-46
ISCJB VI 30 17 59 29.7–.93 36.98N–.04 20.74E–.04 8–7 3.4b **¶13682334**
IDC VI 30 17 59 29.3–1.4 37.08N 21.03E 0 3.5,3.5
ATH VI 30 17 59 30.5 37.03N 20.75E 16–2 3.5,3.3L
THE VI 30 17 59 31.9 37.07N 20.83E 0–5 3.9L,3.3L
CSEM VI 30 17 59 31.2–.56 37.07N 20.81E 2 3.9L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=33.9.
IDC Error ellipse: s-maj=33.6km s-min=24.4km az=121.0.
ATH Error ellipse: s-maj=1.7km s-min=2.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=6.4km s-min=1.4km az=225.0.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=5.3km az=48.0.
ATH VI 30 19 43 50.1 37.02N 20.74E 7 3.5
CSEM VI 30 19 43 50.1 37.02N 20.74E 7 3.5 **¶14697641**
ATH Error ellipse: s-maj=2.9km s-min=2.9km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

(400) Central Mediterranean Sea.

ISC I 12 21 35 28.4–1.1 35.93N–.05 22.10E–.05 42–14 3.9b 163 1-46
IDC I 12 21 35 23.2–1.1 36.05N 22.22E 0 3.9b,3.8 **¶12081141**
ATH I 12 21 35 25.5 35.84N 21.93E 24–1 3.8L,3.8
CSEM I 12 21 35 27.0–.24 35.89N 22.03E 15 3.9L,3.8
HLW I 12 21 35 27.5 36.13N 22.62E 24–13 3.5L,0.0
THE I 12 21 35 29.7 35.96N 22.13E 57–7 3.9L,0.0
VIE I 12 21 35 38.0–.57 36.95N 21.77E 10 4.4s,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=24.2km s-min=18.4km az=137.0.
ATH Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.8km az=47.0.
THE Event type ke. Error ellipse: s-maj=7.9km s-min=1.4km az=53.0.
VIE Error ellipse: s-maj=9.5km s-min=4.4km az=74.0. 143 km S of Patras .
ISC I 20 12 04 32.9–1.4 35.75N–.07 22.60E–.07 10 30 1-2
ATH I 20 12 04 33.5 35.81N 22.75E 27–2 3.0 **¶14358367**
CSEM I 20 12 04 34.5–.67 35.89N 22.79E 15 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=20.4km s-min=9.3km az=47.0.
ATH I 25 05 27 02.5 35.62N 21.61E 19–2 3.5
CSEM I 25 05 27 02.5 35.62N 21.61E 19 3.5 **¶14358481**
ATH Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC II 02 18 41 33.6–.42 35.57N–.03 22.52E–.02 51–3 4.4b,4.0s 417 1-120
IDC II 02 18 41 27.0–.66 35.58N 22.56E 0 4.2,4.1 **¶13434200**
MOS II 02 18 41 29.5–1.1 35.64N 22.58E 26 4.4b,4.1
ISCJB II 02 18 41 31.8–.39 35.47N–.03 22.47E–.03 60–3 4.4b,4.1
THE II 02 18 41 32.1 35.52N 22.46E 12–3 3.8L,4.1
CSEM II 02 18 41 32.8–.21 35.45N 22.51E 50–2 4.7b,4.1
BJI II 02 18 41 32.7 35.87N 21.91E 81 4.5b,4.1
ATH II 02 18 41 33.5 35.59N 22.56E 41–5 3.7L,4.1
NEIC II 02 18 41 33.7–.72 35.66N 22.47E 50–6 4.9b,4.1
HLW II 02 18 41 37.9 35.40N 23.15E 33–36 4.0L,0.0
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=13.5km az=16.0.
MOS Error ellipse: s-maj=10.3km s-min=5.4km az=72.7.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=42.6.
THE Event type ke. Error ellipse: s-maj=4.8km s-min=1.8km az=209.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.2km az=49.0.
ATH Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.7km az=205.0.
ISC II 06 00 51 00.0–1.9 35.57N–.08 22.07E–.06 17–14 100 1-6
THE II 06 00 50 49.4 34.75N 22.24E 150–5 3.7L **¶14189304**
ATH II 06 00 50 57.8 35.50N 21.94E 6–1 3.6
CSEM II 06 00 51 02.8–2.0 35.79N 22.16E 10 3.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=6.3km s-min=2.7km az=20.0.
ATH Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=40.8km s-min=10.4km az=3.0.
ISC II 09 03 41 26.9–3.0 35.23N–.04 21.32E–.04 12–19 4.2b 267 2-121
IDC II 09 03 41 25.5–.86 35.25N 21.43E 0 3.9,3.9b **¶12699820**
ATH II 09 03 41 27.9 35.20N 21.26E 78–3 3.7L,3.9b
THE II 09 03 41 28.6 35.08N 21.19E 32–52 3.8L,3.9b
CSEM II 09 03 41 29.9–.42 35.19N 21.26E 44–2 4.2b,3.9s
MOS II 09 03 41 29.5–1.2 35.44N 21.37E 33 4.2b,3.9s
VIE II 09 03 41 34.8–.75 36.03N 21.37E 10 3.9s,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=16.7km az=179.0.
ATH Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=52.4km s-min=1.2km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=4.0km az=38.0.
MOS Error ellipse: s-maj=17.1km s-min=6.2km az=79.4.
VIE Error ellipse: s-maj=9.3km s-min=5.6km az=67.0. 246 km WNW of Chania .
ISC II 09 03 57 55.1–1.6 35.20N–.03 21.38E–.03 1–10 4.5b 378 2-121
IDC II 09 03 57 55.6–.70 35.33N 21.38E 0 4.0,4.0b **¶13434407**
NEIC II 09 03 57 57.7–2.3 35.30N 21.40E 16–14 4.6b,4.0b
MOS II 09 03 57 58.9–1.0 35.38N 21.37E 33 4.4b,4.0b
ATH II 09 03 57 58.0 35.15N 21.25E 44–6 3.7L,4.0b
CSEM II 09 03 57 59.6–.14 35.17N 21.29E 40 4.7W,4.2b
THE II 09 03 58 00.0 35.23N 21.38E 89–7 3.7L,4.2b
HLW II 09 03 58 06.6 35.13N 22.27E 33–19 3.8,3.6L
VIE II 09 03 58 08.4–.58 35.96N 20.98E 30 4.0s,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=17.5km s-min=15.0km az=120.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.9km az=207.0.
MOS Error ellipse: s-maj=13.4km s-min=5.4km az=82.5.
ATH Error ellipse: s-maj=2.8km s-min=3.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=63.0.
THE Event type ke. Error ellipse: s-maj=8.3km s-min=0.9km az=50.0.
VIE Error ellipse: s-maj=6.7km s-min=4.5km az=57.0.
ISC II 17 22 55 47.0–3.3 33.9N–.10 23.20E–.10 2–19 4.0b 18 1-47
THE II 17 22 55 43.2 33.68N 22.76E 16–18 4.0b **¶12701062**
IDC II 17 22 55 46.8–1.4 33.99N 23.50E 0 3.9b,3.8
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=24.5km s-min=1.5km az=222.0.
IDC Error ellipse: s-maj=38.0km s-min=23.9km az=144.0.
ISC II 19 16 06 08.8–2.4 34.99N–.10 22.69E–.09 31–14 3.9b 51 1-120
THE II 19 16 06 08.6 34.88N 22.59E 18–16 3.9b **¶12701259**
ATH II 19 16 06 11.3 35.11N 22.90E 30–2 3.2
IDC II 19 16 06 11.0–4.1 35.11N 22.93E 41–29 3.8L,3.7
CSEM II 19 16 06 12.0–.51 35.10N 22.89E 20 3.2,3.7
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=21.7km s-min=1.6km az=224.0.
ATH Error ellipse: s-maj=2.5km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=43.6km s-min=20.3km az=48.0.
CSEM Event type ke. Error ellipse: s-maj=14.1km s-min=4.5km az=39.0.
ISC II 20 12 34 01.6–.60 35.32N–.03 22.57E–.03 38–1 4.1b 305 1-125
IDC II 20 12 33 56.5–.60 35.42N 22.72E 0 4.1,4.1b **¶12088198**
ATH II 20 12 33 59.8 35.31N 22.49E 28–1 3.9L,4.1b
CSEM II 20 12 34 02.8–.17 35.30N 22.58E 55–2 4.3b,3.0s
THE II 20 12 34 02.2 35.36N 22.59E 11–3 4.2L,3.0s
HLW II 20 12 34 04.9 35.26N 23.29E 30–21 4.0,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=13.9km az=156.0.
ATH Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=56.0.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=0.9km az=215.0.
ISC II 20 19 00 50.7–1.3 34.0N–.10 23.46E–.08 35 3.8b 51 1-78
IDC II 20 19 00 46.6–1.1 34.16N 23.39E 0 3.8,3.8b **¶12701356**
CSEM II 20 19 00 58.7 34.61N 23.80E 56 3.6,3.8b
ATH II 20 19 00 58.7 34.61N 23.80E 56–6 3.6,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=18.0km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=10.2km s-min=5.4km az=-1.0.
ISC III 09 02 48 47.3–1.7 35.81N–.08 22.12E–.07 11 64 1-10
ISCJB III 09 02 48 44.8–1.0 35.70N–.06 22.00E–.08 11 **¶14190180**
CSEM III 09 02 48 46.8–.50 35.82N 22.13E 8 3.6
THE III 09 02 48 47.2 35.82N 22.07E 6–1 3.0L
ATH III 09 02 48 48.1 35.83N 22.16E 36–6 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.0km az=139.3.
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=5.7km az=42.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.5km az=46.0.
ATH Error ellipse: s-maj=5.1km s-min=5.8km az=-1.0.
ATH III 17 02 00 37.5 35.05N 22.36E 22–4 3.6
CSEM III 17 02 00 37.5 35.05N 22.36E 22 3.6 **¶14370013**
ATH Error ellipse: s-maj=4.4km s-min=3.6km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC III 19 08 27 55.7–.73 36.58N–.04 12.77E–.03 16–4 4.1b,3.4s 309 1-85
LDG III 19 08 27 53.6–.29 36.34N 12.79E 30 4.1L,3.4s **¶12025775**
IDC III 19 08 27 53.8–.81 36.61N 12.98E 0 4.0,4.0L
ISCJB III 19 08 27 54.7–.83 36.60N–.03 12.74E–.02 23–7 4.0b,3.4s
ROM III 19 08 27 54.0–.24 36.47N 12.73E 26–4 4.1L,3.4s
NEIC III 19 08 27 54.8–.51 36.59N 12.82E 10 4.0L,3.9b
CSEM III 19 08 27 55.4–.24 36.51N 12.81E 20 3.9b,3.8s
VIE III 19 08 28 02.7–1.4 37.01N 13.01E 10 3.8s,3.6b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=3.2km az=2.0.
IDC Error ellipse: s-maj=20.7km s-min=14.7km az=127.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.2km az=2.6.
ROM Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=49.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.7km az=196.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.5km az=11.0.
VIE Error ellipse: s-maj=15.3km s-min=9.3km az=27.0. 127 km SSW of Palermo .
ISC III 19 10 25 59.2–1.5 36.45N–.07 12.67E–.06 63–13 64 1-26
ROM III 19 10 25 57.2–.37 36.44N 12.62E 84–7 3.5L,3.1 **¶12025777**
CSEM III 19 10 25 57.2 36.44N 12.62E 84 3.1,3.1
ISCJB III 19 10 25 58.0–.94 36.43N–.06 12.66E–.06 63–10 3.1,3.1
ISC Event type ke.
ROM Event type ke.
CSEM Event type ke. After ROM.
ISCJB Event type ke.
ISC III 20 01 15 17.5–1.7 36.6N–.10 12.69E–.05 42–47 51 1-10
ROM III 20 01 15 16.1–.43 36.47N 12.72E 30 3.5L **¶12058399**
CSEM III 20 01 15 16.3–.76 36.39N 12.73E 30 3.3L
ISCJB III 20 01 15 16.9–1.4 36.6N–.10 12.69E–.06 59–18 3.3L
LDG III 20 01 15 18.5–.70 36.41N 12.76E 30 3.3L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=9.8km s-min=3.3km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=21.7km s-min=4.9km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=22.5km s-min=6.2km az=10.9.
LDG Event type ke. Error ellipse: s-maj=19.4km s-min=5.4km az=17.0.
ISC III 23 18 44 36.3–.62 34.51N–.04 13.77E–.06 10 3.8b,3.1s 95 2-67
ISCJB III 23 18 44 34.7–.32 34.49N–.02 13.82E–.04 10 3.7b,3.1s **¶12635406**
IDC III 23 18 44 35.2–1.2 34.64N 13.63E 0 3.9,3.8
CSEM III 23 18 44 36.4–.16 34.46N 13.72E 10 4.0W,3.8
ROM III 23 18 44 49.2–.16 35.34N 14.16E 20 3.6L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=13.4.
IDC Error ellipse: s-maj=25.2km s-min=19.8km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=3.2km az=96.0.
ROM Event type ke.
ISC IV 04 11 29 16.9–1.7 35.20N–.06 21.32E–.07 41–19 3.8b 135 2-47
IDC IV 04 11 29 11.9–1.2 35.24N 21.42E 0 4.0b,3.9 **¶12934483**
ATH IV 04 11 29 13.6 35.11N 21.23E 39–7 3.6,3.9
CSEM IV 04 11 29 15.6–.30 35.23N 21.39E 15 3.2L,3.9
ISCJB IV 04 11 29 16.0–.76 35.20N–.04 21.33E–.05 53–8 3.8b,3.9
THE IV 04 11 29 18.2 35.29N 21.42E 59–15 3.2L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=19.8km az=150.0.
ATH Error ellipse: s-maj=2.9km s-min=3.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=2.9km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.8km az=141.3.
THE Event type ke. Error ellipse: s-maj=16.1km s-min=1.4km az=49.0.
ISC IV 04 15 35 19.8–.86 35.65N–.04 22.53E–.05 57–9 3.6b 183 1-120
IDC IV 04 15 35 12.8–1.1 35.65N 22.69E 0 3.8L,3.7 **¶12934460**
ISCJB IV 04 15 35 18.7–.51 35.62N–.04 22.48E–.06 75–5 3.4b,3.7
CSEM IV 04 15 35 19.0–.23 35.58N 22.45E 80 3.2L,3.7
ATH IV 04 15 35 19.2 35.67N 22.61E 84–2 3.2L,3.7
THE IV 04 15 35 20.1 35.66N 22.49E 57–5 3.3L,3.7
HLW IV 04 15 35 24.4 35.08N 22.84E 33–23 3.8,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=21.2km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.6km az=141.8.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=2.9km az=49.0.
ATH Error ellipse: s-maj=2.6km s-min=2.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=6.1km s-min=0.8km az=57.0.
ISC IV 04 19 42 41.7–1.4 35.47N–.04 22.29E–.04 28–10 3.4b 174 1-120
IDC IV 04 19 42 37.2–.92 35.61N 22.63E 0 3.7,3.6b **¶12934446**
CSEM IV 04 19 42 39.6–.32 35.47N 22.30E 2 3.2L,3.6b
ATH IV 04 19 42 39.9 35.46N 22.28E 25–3 3.6,3.3L
THE IV 04 19 42 41.5 35.50N 22.33E 9–3 3.2L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=20.2km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=3.0km az=42.0.
ATH Error ellipse: s-maj=2.3km s-min=2.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=1.3km az=217.0.
ISC IV 09 22 48 56.0–3.6 34.8N–.10 21.98E–.08 13–24 98 2-4
ATH IV 09 22 48 48.9 34.31N 21.59E 38–17 3.6 **¶14190934**
CSEM IV 09 22 48 59.0–.66 34.87N 21.95E 40 2.8L
THE IV 09 22 49 00.3 34.98N 22.03E 29–11 2.8L
ISC Event type ke.
ATH Error ellipse: s-maj=8.5km s-min=6.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=15.0km s-min=5.6km az=32.0.
THE Event type ke. Error ellipse: s-maj=13.8km s-min=1.6km az=217.0.
ATH IV 15 23 13 00.4 36.80N 19.74E 5–2 3.4
CSEM IV 15 23 13 00.6–.46 36.65N 19.37E 20 2.5L **¶14191075**
THE IV 15 23 13 02.3 36.80N 19.50E 15–8 2.5L
ATH Error ellipse: s-maj=1.7km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=6.7km az=26.0.
THE Event type ke. Error ellipse: s-maj=11.6km s-min=1.5km az=240.0.
ISC IV 19 18 54 32.3–1.9 35.53N–.07 22.32E–.07 5–14 62 1-3
THE IV 19 18 54 32.5 35.46N 22.23E 9–1 2.6L **¶14191192**
CSEM IV 19 18 54 32.6–.79 35.53N 22.35E 2 3.6
ATH IV 19 18 54 34.9 35.56N 22.44E 28–8 3.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=215.0.
CSEM Event type ke. Error ellipse: s-maj=20.4km s-min=7.3km az=44.0.
ATH Error ellipse: s-maj=8.6km s-min=8.8km az=-1.0.
ISC IV 24 10 27 35.5–2.6 36.4N–.10 20.66E–.10 22–8 46 1-3
CSEM IV 24 10 27 36.8 36.38N 20.77E 22 3.6 **¶14694615**
ATH IV 24 10 27 36.7 36.38N 20.76E 22–0 3.6
ISC Event type ke.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
ISC IV 25 01 36 27.3–.73 34.34N–.03 14.02E–.04 19–2 4.5b,3.7s 603 2-127
BJI IV 25 01 36 22.7 34.09N 13.29E 32 5.1b,4.9s **¶13439059**
CRAAG IV 25 01 36 23.9 34.15N 14.15E 4.6b,4.9s
MOS IV 25 01 36 24.2–1.2 34.22N 13.97E 10 4.5b,4.9s

CSEM IV 25 01 36 24.6–.12 34.30N 13.90E 2 4.5b,4.2W
IDC IV 25 01 36 24.6–.54 34.35N 13.94E 0 4.2,4.1
LDG IV 25 01 36 24.4–.48 34.32N 14.23E 10 4.7b,3.0s
NEIC IV 25 01 36 26.0–.29 34.25N 14.01E 10 4.5b,3.0s
SZGRF IV 25 01 36 31.2 34.74N 12.92E 10 3.9b,3.1s
BEO IV 25 01 36 33.4–.77 34.63N 14.16E 0 4.6L,3.1s
ISC Event type ke.
MOS Error ellipse: s-maj=7.9km s-min=3.3km az=92.1.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=104.0.
IDC Error ellipse: s-maj=13.9km s-min=13.0km az=81.0.
LDG Event type ke. Error ellipse: s-maj=27.4km s-min=9.1km az=50.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.8km az=66.0.
SZGRF Central Mediterranean Sea.
BEO Event type ke.
ATH IV 28 10 21 45.9 35.64N 22.11E 12–4 3.6
CSEM IV 28 10 21 45.9 35.64N 22.11E 12 3.6 **¶14694748**
ATH Error ellipse: s-maj=4.1km s-min=3.3km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IV 30 08 56 47.1–.90 33.04N–.04 22.30E–.07 10 82 2-44
ISCJB IV 30 08 56 46.0–.59 33.03N–.04 22.34E–.06 10 3.2b **¶12936513**
IDC IV 30 08 56 45.3–1.4 32.94N 22.31E 0 3.7L,3.6
HLW IV 30 08 56 45.5 33.37N 22.16E 33–31 3.9,3.2L
ATH IV 30 08 56 49.9 33.16N 22.30E 106–22 3.9,3.2L
CSEM IV 30 08 56 50.1–.24 33.02N 22.23E 40 3.1W,3.2L
THE IV 30 08 57 25.0 35.69N 22.32E 14–6 3.1W,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.5km az=154.0.
IDC Error ellipse: s-maj=60.3km s-min=24.0km az=139.0.
ATH Error ellipse: s-maj=4.9km s-min=3.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.4km az=65.0.
THE Event type ke. Error ellipse: s-maj=10.4km s-min=2.7km az=48.0.
ATH V 08 20 42 21.0 35.60N 21.40E 11–7 2.6
CSEM V 08 20 42 21.0 35.60N 21.40E 11 2.6 **¶14695051**
ATH Error ellipse: s-maj=17.7km s-min=14.7km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 10 02 40 58.6–.74 35.43N–.05 22.57E–.05 44 3.7b 129 1-77
IDC V 10 02 40 52.6–1.2 35.55N 22.68E 0 4.0s,4.0 **¶13678642**
ISCJB V 10 02 40 57.3–.52 35.37N–.04 22.49E–.05 44 3.9s,3.7b
THE V 10 02 40 58.8 35.43N 22.53E 83–3 3.3L,3.7b
ATH V 10 02 40 58.7 35.50N 22.66E 77–2 3.2L,3.7b
CSEM V 10 02 41 00.0–.23 35.46N 22.62E 60 3.1W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=22.2km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=136.9.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.8km az=57.0.
ATH Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=2.8km az=45.0.
ATH V 24 01 40 02.2 35.60N 22.60E 39–2 3.5
CSEM V 24 01 40 02.2 35.60N 22.60E 39 3.5 **¶14695888**
ATH Error ellipse: s-maj=2.6km s-min=1.7km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC V 27 02 18 02.2–1.4 35.45N–.04 22.52E–.05 21–5 49 1-5
CSEM V 27 02 18 00.2–.26 35.39N 22.49E 10 3.8W **¶14302550**
ISCJB V 27 02 18 01.2–1.4 35.42N–.04 22.49E–.07 23–13 3.8W
THE V 27 02 18 03.2 35.50N 22.60E 18–5 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=5.2km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.3km az=163.1.
THE Event type ke. Error ellipse: s-maj=7.2km s-min=1.9km az=218.0.
ISC V 28 01 23 06.9–.62 35.76N–.03 22.58E–.03 50–7 4.2b 464 1-80
IDC V 28 01 23 01.0–.73 35.86N 22.72E 0 4.0,3.9L **¶12871028**
HLW V 28 01 23 02.6 36.14N 22.88E 33–44 3.9L,0.0
MOS V 28 01 23 04.8–1.4 35.82N 22.50E 33 4.4b,0.0
ISCJB V 28 01 23 05.3–.25 35.67N–.02 22.65E–.03 74–3 4.0b,0.0
NEIC V 28 01 23 07.9 35.82N 22.65E 64 4.4b,0.0
ATH V 28 01 23 07.9 35.82N 22.65E 64–2 4.1L,0.0
CSEM V 28 01 23 07.1–.14 35.70N 22.57E 60 4.3b,4.2W
THE V 28 01 23 08.8 35.78N 22.58E 31–36 4.4L,4.2W
VIE V 28 01 23 10.7 35.77N 22.64E 82 3.8b,4.2W
PDG V 28 01 23 11.9–.21 36.32N 22.27E 21–2 4.1L,4.2W
ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=14.8km az=40.0.
MOS Error ellipse: s-maj=7.4km s-min=4.9km az=90.1.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=138.6.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=50.0.
THE Event type ke. Error ellipse: s-maj=36.0km s-min=0.6km az=55.0.
PDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=90.0.
ISC V 29 17 20 03.2–2.0 35.94N–.08 22.40E–.07 29–14 33 1-2
ISCJB V 29 17 20 01.6–1.9 35.86N–.09 22.34E–.09 26–10 **¶14302748**
CSEM V 29 17 20 01.5–.48 35.87N 22.36E 20 2.8
ATH V 29 17 20 02.6 36.00N 22.43E 38–8 2.8
THE V 29 17 20 03.6 35.91N 22.40E 32–39 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.0km s-min=7.3km az=36.8.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=5.5km az=39.0.
ATH Error ellipse: s-maj=6.0km s-min=6.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=39.7km s-min=1.6km az=53.0.
ISC VI 09 16 32 42.3–1.4 36.98N–.05 16.52E–.04 18–7 60 1-6
CSEM VI 09 16 32 44.5 37.04N 16.42E 24 2.8 **¶12954644**
ROM VI 09 16 32 44.5–.27 37.04N 16.42E 24–2 2.8,2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=1.7km az=124.0.
ISC VI 10 00 46 05.5–2.3 36.50N–.08 20.96E–.07 2–11 77 1-3
ATH VI 10 00 46 00.7 36.28N 20.71E 10–4 3.9 **¶14305895**
CSEM VI 10 00 46 06.2–.47 36.52N 20.98E 2 2.6L
THE VI 10 00 46 07.7 36.56N 21.07E 1–1 2.6L
ISC Event type ke.
ATH Error ellipse: s-maj=5.3km s-min=4.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=5.0km az=30.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=206.0.
ATH VI 13 22 16 04.4 36.87N 19.89E 8–1 3.6
CSEM VI 13 22 16 04.4 36.87N 19.89E 8 3.6 **¶14697255**
ATH Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VI 14 10 37 17.7–1.2 35.60N–.04 21.99E–.04 9–7 85 1-5
THE VI 14 10 37 19.5 35.63N 22.02E 0–2 3.7L **¶14306038**
CSEM VI 14 10 37 20.2–.68 35.71N 22.16E 2 3.6
ATH VI 14 10 37 21.2 35.70N 22.13E 26–1 3.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=1.8km az=220.0.
CSEM Event type ke. Error ellipse: s-maj=17.2km s-min=5.8km az=45.0.
ATH Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.
ISC VI 22 11 12 04.4–1.2 35.21N–.05 22.86E–.06 45–33 69 1-10
HLW VI 22 11 12 02.9 35.47N 22.99E 16–16 3.3,3.1L **¶14306387**
CSEM VI 22 11 12 04.8–.36 35.21N 22.88E 20 3.0L,3.1L
ISCJB VI 22 11 12 05.4–1.1 35.26N–.05 22.90E–.05 30–9 3.0L,3.1L
ATH VI 22 11 12 06.8 35.38N 22.98E 43–5 3.6,3.1L
THE VI 22 11 12 09.2 35.43N 23.04E 31–22 3.0L,3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=5.2km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.3km az=43.8.
ATH Error ellipse: s-maj=3.1km s-min=2.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=22.5km s-min=0.7km az=42.0.

(401) Near coast of Libya.

CSEM III 08 20 15 08.6 31.31N 15.96E 35 3.4L
¶15996245
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LDSN.

SEISMIC REGION 32.
Atlantic Ocean.

(402) North Atlantic Ocean.

CSEM I 02 06 54 52.0–.69 42.60N 11.11W 10 1.9L
MDD I 02 06 54 52.1–2.8 42.66N 11.11W 0 1.9 **¶12079804**
INMG I 02 06 54 53.2–1.0 42.70N 11.61W 10 1.5L
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=10.8km az=105.0.
MDD Error ellipse: s-maj=24.2km s-min=19.2km az=91.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=13.1km s-min=9.4km az=93.0.
ISC I 03 08 02 42.3–2.0 10.96N–.05 60.0W–.10 59–16 27 1-8
TRN I 03 08 02 40.7 10.99N 59.91W 21 3.4 **¶14227642**
ISCJB I 03 08 02 40.6–1.1 10.93N–.05 59.98W–.08 81–10 3.4
FUNV I 03 08 02 42.7 10.95N 60.02W 22 3.4W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=7.6km az=4.0.
RSPR I 12 08 14 17.8 19.03N 68.90W 143–1 3.5
NEIC I 12 08 14 17.8 19.03N 68.90W 143 3.5 **¶11594558**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC I 20 06 51 04.4–1.2 49.18N–.03 3.28W–.04 14–9 91 1-2
ISCJB I 20 06 51 03.8–.78 49.16N–.03 3.26W–.05 8–5 **¶11659164**
CSEM I 20 06 51 04.2–.12 49.18N 3.29W 12 3.1L
LDG I 20 06 51 04.6–.19 49.19N 3.34W 5 3.0L,2.4
BGS I 20 06 51 05.9–.44 49.20N 3.23W 13–88 2.1L,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.6km az=38.4.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=130.0.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=1.6km az=135.0.
BGS Error ellipse: s-maj=38.4km s-min=10.4km az=-1.0.
ISC I 31 09 54 41.9–3.3 42.98N–.08 14.1W–.20 10 170 4-9
MDD I 31 09 54 43.8–1.8 43.04N 14.06W 0 4.6b **¶12082802**
INMG I 31 09 54 45.4–1.1 43.18N 14.50W 10 2.8L
CSEM I 31 09 54 46.3–.30 42.94N 13.83W 10 3.7L
ISC Event type ke.
MDD Error ellipse: s-maj=16.0km s-min=12.4km az=101.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=3.7km az=93.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.7km az=124.0.
ISC II 03 02 39 24.5–3.4 42.99N–.08 14.0W–.20 10 99 4-11
MDD II 03 02 39 24.7–2.5 43.16N 14.30W 20–116 3.6b **¶11667243**
LDG II 03 02 39 26.8–.53 43.47N 13.75W 20 3.0L
INMG II 03 02 39 26.3–1.3 43.20N 14.54W 10 2.4L
CSEM II 03 02 39 28.7–.54 42.91N 13.74W 10 3.1L
ISC Event type ke.
MDD Error ellipse: s-maj=130.0km s-min=16.6km az=112.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=10.6km s-min=5.2km az=91.0.
INMG Event type ke. Error ellipse: s-maj=12.0km s-min=5.8km az=85.0.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=7.1km az=84.0.
ISC II 09 13 55 06.9–1.2 18.84N–.07 60.0W–.10 10 3.5b 23 3-72
IDC II 09 13 55 04.3–1.2 18.92N 59.66W 0 3.7,3.5 **¶12699847**
TRN II 09 13 55 10.5 18.47N 60.15W 3 4.0,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=25.1km az=87.0.
ISC II 18 10 43 43.9–3.6 43.00N–.10 14.0W–.20 10 140 4-8
IGIL II 18 10 43 38.5 43.37N 14.54W 2 2.6L **¶11756916**
MDD II 18 10 43 41.8–2.1 43.17N 14.15W 0 4.4b
INMG II 18 10 43 42.9–1.1 43.37N 14.62W 10 2.9L
CSEM II 18 10 43 46.0–.32 42.96N 13.81W 10 3.9L
ISC Event type ke.
MDD Error ellipse: s-maj=18.1km s-min=15.5km az=113.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.5km s-min=5.3km az=93.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=5.0km az=110.0.
IDC II 18 15 12 20.9–1.2 21.67N 57.67W 0 3.7,3.5
¶15956567
IDC Error ellipse: s-maj=35.0km s-min=28.1km az=111.0.
RSPR III 06 00 09 27.9 19.11N 68.79W 81–3 3.8
NEIC III 06 00 09 27.9 19.11N 68.79W 81 3.8 **¶11757251**
RSPR Event type ke.
NEIC Event type se. After RSPR.
CSEM III 09 17 11 30.7–1.6 45.42N 5.68W 10 3.7b
¶15996281
CSEM Event type ke. Error ellipse: s-maj=45.3km s-min=6.1km az=165.0.
CSEM III 09 18 04 58.9–2.6 45.34N 5.93W 10 3.5b
¶15996282
CSEM Event type ke. Error ellipse: s-maj=72.4km s-min=16.1km az=167.0.
CSEM III 09 19 44 39.9–1.0 45.40N 5.65W 10 3.7b
¶15996283
CSEM Event type ke. Error ellipse: s-maj=24.4km s-min=7.9km az=170.0.
FUNV III 10 16 12 27.5 9.94N 59.50W 36 3.7W
¶14544194
RSPR III 14 11 22 26.6 19.11N 68.83W 67–2 3.5
NEIC III 14 11 22 26.6 19.11N 68.83W 67 3.5 **¶11882903**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR III 18 03 23 56.7 19.26N 68.63W 35–27 3.7
NEIC III 18 03 23 56.7 19.26N 68.63W 35 3.7 **¶11940509**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC III 19 12 58 57.4–3.7 44.7N–.10 9.5W–.20 10 44 2-6
MDD III 19 12 58 56.9–3.0 44.77N 9.57W 0 3.7b **¶13436746**
INMG III 19 12 58 58.3–.94 44.81N 9.64W 10 1.7L
CSEM III 19 12 58 58.4–.52 44.69N 9.43W 10 3.7b
ISC Event type ke.
MDD Error ellipse: s-maj=31.0km s-min=17.8km az=144.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.4km s-min=6.0km az=115.0.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=5.4km az=140.0.
OTT III 21 12 19 49.5–.70 39.72N 52.82W 18 4.0L
¶13436930
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=5.1km az=-1.0. Atlantic Ocean. 850km south from Marystown, NI.
IDC III 29 03 15 18.5–1.4 64.29N 39.37W 0 3.5,3.4
¶12635833
IDC Error ellipse: s-maj=61.6km s-min=23.6km az=38.0.
ISC III 30 18 52 49.0–.70 43.78N–.02 13.98W–.04 10 145 4-12
MDD III 30 18 52 50.5–1.7 43.85N 14.12W 0 4.5b **¶12084857**
CSEM III 30 18 52 51.4–.61 43.91N 13.90W 10 4.5b
INMG III 30 18 52 53.7–1.8 43.92N 14.45W 10 2.8L
LDG III 30 18 52 56.3–.42 43.85N 13.52W 20 3.5L
ISC Event type ke.
MDD Error ellipse: s-maj=15.6km s-min=13.0km az=104.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=8.4km az=101.0.
INMG Event type ke. Error ellipse: s-maj=7.2km s-min=5.5km az=93.0.
LDG Event type ke. Error ellipse: s-maj=8.3km s-min=4.7km az=103.0.
RSPR IV 12 03 26 28.4 19.49N 68.39W 65–10 3.6
NEIC IV 12 03 26 28.4 19.49N 68.39W 65 3.6 **¶12582056**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IV 16 18 22 53.6–3.5 42.93N–.08 14.6W–.20 10 133 4-9
IGIL IV 16 18 22 51.4 43.18N 15.21W 10 2.5L **¶12754030**
MDD IV 16 18 22 52.0–2.3 43.04N 14.84W 0 4.4b
INMG IV 16 18 22 54.2–.73 43.19N 15.22W 10 4.4b
CSEM IV 16 18 22 57.1–.31 42.85N 14.37W 10 4.4b
ISC Event type ke.
MDD Error ellipse: s-maj=21.0km s-min=15.4km az=103.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=94.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=98.0.
RSPR V 21 11 45 18.2 19.37N 68.46W 94–5
NEIC V 21 11 45 18.2 19.37N 68.46W 94 2.8 **¶12848962**
RSPR Event type ke.
NEIC Event type se. After RSPR.

ISC V 24 05 13 22.8–1.0 13.39N–.03 58.79W–.05 24–7 4.4b,3.7s 226 1-166
IDC V 24 05 13 19.4–.52 13.31N 58.75W 0 4.2,4.1 **¶12861544**
ISCJB V 24 05 13 21.1–.97 13.38N–.02 58.84W–.03 21–7 4.4b,3.7s
NEIC V 24 05 13 22.9–.24 13.40N 58.79W 20 4.6b,4.4
BJI V 24 05 13 23.8 13.30N 58.80W 19 5.1s,5.1b
TRN V 24 05 13 23.4 13.44N 58.90W 66 4.7,4.3
FUNV V 24 05 13 25.6 13.10N 58.60W 35 4.3W,4.3
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=12.3km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.3km az=12.7.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.7km az=102.0.
ISC VI 01 20 13 30.7–.89 46.8N–.10 21.3W–.10 10 3.8b,2.9s 88 11-149
PDA VI 01 20 13 22.6 47.03N 21.89W 0 3.8b,2.9s **¶12954611**
INMG VI 01 20 13 22.6 47.03N 21.89W 0 3.8b,2.9s
IDC VI 01 20 13 29.2–.90 46.75N 21.44W 0 4.3L,3.8
LDG VI 01 20 13 40.7–.53 46.72N 20.61W 30 4.0L,3.8
CSEM VI 01 20 13 48.5–.74 46.54N 19.47W 30 4.0L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=29.7km s-min=24.7km az=95.0.
LDG Event type ke. Error ellipse: s-maj=10.5km s-min=7.5km az=79.0.
CSEM Event type ke. Error ellipse: s-maj=15.3km s-min=9.0km az=91.0.
TRN VI 02 22 42 36.5 14.26N 58.91W 3 4.1
NEIC VI 02 22 42 38.1 14.26N 58.69W 34 4.1 **¶14766825**
NEIC Event type se. After TRN.
ISC VI 03 05 25 09.5–3.8 39.07N–.07 16.9W–.20 10 107 6-9
MDD VI 03 05 25 05.4–2.2 38.89N 17.38W 0 4.4b **¶13439893**
PDA VI 03 05 25 09.0–3.2 38.90N 17.64W 10 2.8L
INMG VI 03 05 25 09.0–3.2 38.90N 17.64W 10 2.8L
CSEM VI 03 05 25 13.3–.45 39.12N 16.66W 10 4.4b
ISC Event type ke.
MDD Error ellipse: s-maj=23.8km s-min=16.3km az=146.0.
PDA Event type ke. Error ellipse: s-maj=17.1km s-min=8.9km az=112.0.
INMG Event type ke. Error ellipse: s-maj=17.1km s-min=8.9km az=112.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=7.4km az=50.0.
ISC VI 09 05 44 25.3–2.0 13.02N–.04 58.8W–.10 73–15 59 1-10
ISCJB VI 09 05 44 25.8–.77 13.03N–.03 58.91W–.06 81–9 **¶14766857**
TRN VI 09 05 44 25.5 13.04N 58.91W 69 4.2,3.9
FUNV VI 09 05 44 29.7 12.66N 58.93W 6 3.6W,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.8km az=179.9.
ISC VI 11 22 14 37.0–3.6 39.53N–.06 16.0W–.20 10 97 5-9
MDD VI 11 22 14 35.9–2.7 39.52N 16.24W 0 4.1b **¶13440050**
INMG VI 11 22 14 38.2–1.4 39.49N 16.63W 10 2.5L
PDA VI 11 22 14 38.2–1.4 39.49N 16.63W 10 2.5L
CSEM VI 11 22 14 40.7–.48 39.56N 15.74W 10 2.9L
ISC Event type ke.
MDD Error ellipse: s-maj=23.1km s-min=17.6km az=54.0.
INMG Event type ke. Error ellipse: s-maj=11.2km s-min=7.2km az=83.0.
PDA Event type ke. Error ellipse: s-maj=11.2km s-min=7.2km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=6.7km az=54.0.
RSPR VI 17 07 12 26.3 19.33N 68.68W 60–3 3.8
¶13197282
RSPR Event type ke.
ISC VI 28 13 41 24.8–.98 64.4N–.10 39.94W–.08 10 3.5b 15 5-65
ISCJB VI 28 13 41 22.5–.99 64.3N–.10 40.2W–.20 10 3.4b **¶13316579**
IDC VI 28 13 41 22.6–1.1 64.12N 40.09W 0 4.2L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=10.5km az=23.7.
IDC Error ellipse: s-maj=33.1km s-min=24.1km az=10.0.

(403) Northern Mid-Atlantic Ridge.

IDC I 03 07 43 37.4–1.0 49.92N 29.01W 0 3.9,3.7
¶12079880
IDC Error ellipse: s-maj=29.1km s-min=18.8km az=4.0.
IDC I 14 19 33 19.8–2.2 26.41N 44.62W 0 4.1,3.8
¶12081289
IDC Error ellipse: s-maj=72.2km s-min=26.2km az=88.0.
ISC I 14 21 22 38.8–.48 26.39N–.10 44.57W–.08 11 4.5b,3.7s 277 29-174
IDC I 14 21 22 36.9–.54 26.40N 44.58W 0 4.4,4.3 **¶13404868**
ISCJB I 14 21 22 37.4–.34 26.42N–.07 44.55W–.04 11 4.4b,3.7s
NEIC I 14 21 22 38.8–.24 26.38N 44.55W 10 4.7b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=14.2km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.4km az=177.6.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.6km az=180.0.
ISC I 16 22 14 00.4–.66 14.45N–.06 45.05W–.05 15–3 5.2b,4.8s 797 16-175
SZGRF I 16 22 13 56.1 12.78N 44.47W 33 5.3b,4.6s **¶11596062**
MOS I 16 22 13 57.9–1.1 14.56N 45.04W 10 5.3b,4.8s
IDC I 16 22 13 57.9–.40 14.57N 45.02W 0 4.7s,4.7
ISCJB I 16 22 13 58.9–.19 14.50N–.04 45.02W–.02 18 5.1b,4.8s
NEIC I 16 22 13 59.6–.22 14.49N 45.06W 10 5.2b,4.8s
TEH I 16 22 14 01.0 14.52N 45.11W 10 5.2L,4.8s
ISC Event type se.
SZGRF Northern Mid-Atlantic Ridge.
MOS Error ellipse: s-maj=6.6km s-min=4.6km az=49.5.
IDC Error ellipse: s-maj=12.4km s-min=10.5km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.3km az=172.4.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.7km az=171.0.
IDC I 22 07 28 18.9–1.1 12.61N 43.96W 0 4.0,3.9
¶12082039
IDC Error ellipse: s-maj=37.3km s-min=24.5km az=175.0.
IDC I 24 01 25 14.7–1.0 27.24N 44.19W 0 3.9,3.8s
¶12082174
IDC Error ellipse: s-maj=28.9km s-min=22.6km az=175.0.
ISC I 27 11 38 37.2–.48 34.59N–.09 36.54W–.09 10 4.3b,3.9s 234 27-92
ISCJB I 27 11 38 35.5–.38 34.52N–.07 36.58W–.06 10 4.3b,3.9s **¶12082471**
BJI I 27 11 38 35.5 34.60N 36.50W 10 4.8b,3.9s
IDC I 27 11 38 35.4–.57 34.66N 36.59W 0 4.4,4.2
NEIC I 27 11 38 37.1–.44 34.62N 36.51W 10 4.6b,4.2
CSEM I 27 11 38 37.1–.23 34.63N 36.58W 10 4.5b,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.2km az=4.2.
IDC Error ellipse: s-maj=16.9km s-min=15.5km az=22.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=11.7km az=18.0.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=12.1km az=175.0.
IDC II 16 05 15 26.1–1.8 51.75N 31.78W 0 3.6,3.4
¶15956245
IDC Error ellipse: s-maj=54.6km s-min=20.9km az=2.0.
IDC II 21 15 30 29.1–1.2 17.63N 46.43W 0 3.9,3.7
¶15956881
IDC Error ellipse: s-maj=34.8km s-min=29.7km az=35.0.
ISC II 21 15 36 23.3–.90 17.4N–.20 46.4W–.20 12 4.0s,3.8b 14 19-86
ISCJB II 21 15 36 21.9–.87 17.4N–.20 46.4W–.20 12 3.9s,3.8b **¶12701443**
IDC II 21 15 36 21.6–1.1 17.35N 46.32W 0 4.0s,4.0
NEIC II 21 15 36 22.8–.95 17.38N 46.40W 10 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=20.6km az=175.8.
IDC Error ellipse: s-maj=32.4km s-min=28.0km az=144.0.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=22.2km az=183.0.
IDC III 06 13 41 48.9–3.7 22.51N 45.07W 0 3.8,3.5b
¶12702567
IDC Error ellipse: s-maj=165.3km s-min=31.3km az=24.0.
IDC III 07 05 23 19.4–2.0 30.92N 41.43W 0 3.9,3.8
¶12702617
IDC Error ellipse: s-maj=60.4km s-min=23.5km az=18.0.
ISC III 11 23 50 34.5–.40 15.61N–.08 46.72W–.07 17 4.7b,4.3s 195 13-131
IDC III 11 23 50 32.0–.61 15.72N 46.60W 0 6.2L,4.4 **¶12025628**
ISCJB III 11 23 50 32.7–.29 15.64N–.06 46.79W–.03 17 4.5b,4.3s
NEIC III 11 23 50 33.5–.27 15.59N 46.73W 10 4.8b,4.3s
GCMT III 11 23 50 37.7–.20 15.71N 46.69W 12 5.0W,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=15.5km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.5km az=171.3.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.1km az=162.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s33,c41; s89,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.55±.10 $M_{\theta\theta}$0.80±.10; $M_{\phi\phi}$3.75±.09; $M_{r\theta}$-0.53±.43; $M_{\theta\phi}$0.65±.10; $M_{\phi r}$1.02±.33; Best double couple: NP1:ϕ_s19.00000°,δ39.00000°,λ-78.00000°. NP2:ϕ_s184.00000°,δ52.00000°,λ-99.00000°. Principal axes: T 3.9800,Plg6.0000° ,Azm280.0000°; N 0.7600,Plg7.0000°,Azm190.0000°; P -4.7400,Plg80.0000°,Azm49.0000° M_o4.40000×10^{16}
ISC III 24 11 56 29.9–.52 14.6N–.10 45.0W–.10 12 4.3b,3.9s 37 21-171
IDC III 24 11 56 27.9–.58 14.56N 45.03W 0 4.2,4.1 **¶12635463**
ISCJB III 24 11 56 28.3–.45 14.55N–.09 44.99W–.10 12 4.2b,3.9s
NEIC III 24 11 56 29.6–.41 14.54N 44.98W 10 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=14.7km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=10.5km az=43.9.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=9.9km az=133.0.
IDC III 24 12 24 14.3–1.0 14.66N 45.37W 0 4.1,3.9s
¶12635466
IDC Error ellipse: s-maj=38.3km s-min=22.3km az=123.0.
ISC III 24 12 34 56.0–.44 14.50N–.06 45.06W–.04 22–3 5.2b,4.6s 805 16-175
BGS III 24 12 34 46.2–2.1 13.30N 45.09W 10 5.3b,4.6s **¶12791322**
IDC III 24 12 34 52.0–.39 14.49N 45.02W 0 4.7,4.7
MOS III 24 12 34 52.7–.88 14.55N 45.07W 10 5.5b,4.5s
BJI III 24 12 34 53.9 14.50N 45.10W 10 5.7b,5.3s
ISCJB III 24 12 34 53.9–.20 14.53N–.04 45.11W–.02 20 5.1b,4.6s
SZGRF III 24 12 34 53.8 13.03N 44.06W 33 5.4b,4.3s
NEIC III 24 12 34 54.4–.19 14.47N 45.07W 10 5.3b,4.3s
IGIL III 24 12 34 54.9 14.66N 45.08W 10 5.2b,4.3s
GCMT III 24 12 34 57.6–.20 14.62N 44.95W 12 5.2W,4.3s
ISC Event type se.
BGS Error ellipse: s-maj=999.9km s-min=675.8km az=-1.0.
IDC Error ellipse: s-maj=13.3km s-min=10.6km az=124.0.
MOS Error ellipse: s-maj=7.1km s-min=4.4km az=49.4.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.4km az=171.8.
SZGRF Northern Mid-Atlantic Ridge.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.4km az=168.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s46,c57; s95,c175; Moment tensor: Scale 10^{16}Nm; M_{rr}-9.49±.16 $M_{\theta\theta}$0.87±.15; $M_{\phi\phi}$8.62±.13; $M_{r\theta}$1.62±.75; $M_{\theta\phi}$0.22±.14; $M_{\phi r}$-0.54±.48; Best double couple: NP1:ϕ_s190.00000°,δ44.00000°,λ-77.00000°. NP2:ϕ_s353.00000°,δ47.00000°,λ-102.00000°. Principal axes: T 8.6400,Plg2.0000° ,Azm91.0000°; N 1.1100,Plg9.0000°,Azm1.0000°; P -9.7500,Plg81.0000°,Azm191.0000° M_o9.20000×10^{16}
IDC III 29 12 20 12.7–3.7 23.42N 44.66W 0 3.8,3.5b
¶12635861
IDC Error ellipse: s-maj=163.2km s-min=31.1km az=25.0.
IDC IV 07 23 55 57.8–3.8 30.33N 41.71W 0 3.8,3.6b
¶16152520
IDC Error ellipse: s-maj=135.2km s-min=30.3km az=30.0.
IDC IV 08 04 26 51.7–.81 47.84N 27.93W 0 3.8,3.7b
¶12100765
IDC Error ellipse: s-maj=37.7km s-min=17.0km az=34.0.
ISC IV 10 08 30 38.2–.64 43.84N–.09 28.5W–.10 10 3.8b,3.7s 20 5-155
ISCJB IV 10 08 30 35.9–.49 43.74N–.06 28.6W–.10 10 3.7b,3.6s **¶16152621**
IDC IV 10 08 30 37.0–.95 43.90N 28.52W 0 4.2L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=7.4km az=158.1.
IDC Error ellipse: s-maj=31.5km s-min=16.5km az=16.0.
IDC IV 12 16 13 18.9–.95 23.25N 44.95W 0 4.1,4.0b
¶16152719
IDC Error ellipse: s-maj=34.8km s-min=21.3km az=31.0.
IDC IV 16 01 04 57.5–1.3 17.35N 46.48W 0 4.0,3.7
¶16152829
IDC Error ellipse: s-maj=39.0km s-min=32.9km az=95.0.
IDC IV 17 15 46 29.6–1.3 10.88N 43.38W 0 4.0,3.7
¶16152929
IDC Error ellipse: s-maj=42.7km s-min=30.5km az=165.0.
IDC IV 29 14 15 54.2–4.4 18.17N 46.48W 0 4.0,3.7b
¶16154625
IDC Error ellipse: s-maj=162.3km s-min=30.9km az=18.0.
ISC V 04 06 13 38.1–.83 51.1N–.20 30.06W–.09 14 4.0b,3.5s 31 17-150
IDC V 04 06 13 35.8–.92 50.99N 30.24W 0 3.8,3.6 **¶16154886**
ISCJB V 04 06 13 35.9–.67 51.0N–.20 30.1W–.10 14 4.0b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC V 09 17 50 11.1–2.9 14.15N 44.61W 0 4.1,3.7
¶16155554
IDC Error ellipse: s-maj=121.8km s-min=28.5km az=15.0.
ISC V 13 02 38 11.8–.70 52.5N–.20 31.89W–.08 13 4.2b,3.2s 50 17-149
IDC V 13 02 38 09.5–.91 52.61N 31.70W 0 3.9,3.7 **¶12844554**
ISCJB V 13 02 38 10.2–.46 52.5N–.10 31.81W–.09 13 4.0b,3.3s
NEIC V 13 02 38 12.1–.48 52.52N 31.84W 10 4.4b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=14.4km az=19.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=6.7km az=13.7.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=7.4km az=195.0.
IDC V 14 22 04 42.6–19 14.32N 44.83W 0 4.0,3.7b
¶16155751
IDC Error ellipse: s-maj=768.4km s-min=37.5km az=24.0.
IDC V 17 23 58 54.6–.98 13.38N 44.84W 0 3.7,3.5
¶16155860
IDC Error ellipse: s-maj=37.7km s-min=26.8km az=139.0.
ISC V 28 17 26 47.5–.47 29.49N–.09 43.01W–.08 14 4.2b,3.8s 88 29-131
ISCJB V 28 17 26 45.6–.35 29.48N–.07 43.02W–.06 14 4.2b,3.8s **¶13679835**
IDC V 28 17 26 45.2–.52 29.49N 43.00W 0 4.2,4.1
NEIC V 28 17 26 46.7–.22 29.47N 43.00W 10 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=7.5km az=162.5.
IDC Error ellipse: s-maj=15.9km s-min=13.4km az=156.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.9km az=161.0.
IDC VI 06 01 07 50.5–1.4 47.23N 27.30W 0 4.6L,3.6
¶16101004
IDC Error ellipse: s-maj=42.6km s-min=25.0km az=37.0.
ISC VI 06 20 33 29.1–.49 23.84N–.04 46.22W–.03 15–2 5.9b,5.7s 1626 16-180
SZGRF VI 06 20 33 24.3 22.99N 46.66W 34 6.0b,5.9s **¶14785462**
ISCJB VI 06 20 33 26.8–.10 23.94N–.02 46.15W–.01 10 5.8b,5.7s
MOS VI 06 20 33 26.9–.94 23.98N 46.17W 10 6.0b,5.7s
IDC VI 06 20 33 26.9–.33 23.94N 46.12W 0 5.7s,5.7
BGS VI 06 20 33 26.7–2.0 23.71N 46.19W 10 5.8s,5.7b
NEIC VI 06 20 33 28.8–.11 23.86N 46.11W 14 6.5,6.0b
BJI VI 06 20 33 28.0 23.90N 46.10W 10 6.1s,5.9b
DJA VI 06 20 33 30.6–1.1 24N–13 46W–30 10 6.3b,6.0
GCMT VI 06 20 33 33.0–.10 23.94N 46.12W 12 6.0W,6.0
ISC Event type se.
SZGRF Northern Mid-Atlantic Ridge.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.5km az=163.1.
MOS Error ellipse: s-maj=5.3km s-min=3.1km az=48.5.
IDC Error ellipse: s-maj=9.8km s-min=9.0km az=145.0.
BGS Error ellipse: s-maj=480.1km s-min=302.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.0km az=171.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s195.00000°,δ85.00000° ,λ5.00000°. NP2:ϕ_s105.00000°,δ85.00000°,λ175.00000°. Principal axes: T Plg7.0000° ,Azm60.0000°; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm150.0000° Moment Tensor Solution. s82 Moment tensor: Scale 10^{17}Nm; M_{rr}2.00 $M_{\theta\theta}$-4.35 $M_{\phi\phi}$2.35 $M_{r\theta}$-0.99 $M_{\theta\phi}$-6.70 $M_{\phi r}$-0.96 Best double couple: NP1:ϕ_s104.00000°,δ82.00000°,λ-178.00000°. NP2:ϕ_s13.00000° ,δ88.00000°,λ-8.00000°. Principal axes: T 6.5100,Plg3.0000°,Azm58.0000° ; N 2.1500,Plg81.0000°,Azm177.0000°; P -8.6600,Plg7.0000°,Azm328.0000° M_o7.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=120, comp=263, per= 50. Moment Tensor Solution. s102,c198; s92,c139; Moment tensor: Scale 10^{18}Nm; M_{rr}0.12±.01 $M_{\theta\theta}$-0.55±.01; $M_{\phi\phi}$0.43±.01; $M_{r\theta}$0.08±.02; $M_{\theta\phi}$-1.14±.01; $M_{\phi r}$0.17±.03; Best double couple:

NP1:ϕ_e282.00000°,δ82.00000°,λ-179.00000°. NP2:ϕ_e192.00000°,δ89.00000°,λ-8.00000°.
Principal axes: T 1.1900,Plg5.0000°,Azm237.0000°; N 0.1300,Plg82.0000°,Azm6.0000°
; P -1.3200,Plg6.0000°,Azm146.0000° $M_0$1.30000×10^{18}

IDC VI 07 03 30 29.9–1.1 26.64N 44.43W 0 3.9,3.7
¶16101048

IDC Error ellipse: s-maj=31.1km s-min=25.4km az=176.0.
IDC VI 07 14 12 08.7–1.1 23.97N 46.38W 0 4.0,3.7
¶16101062

IDC Error ellipse: s-maj=29.6km s-min=26.4km az=146.0.
IDC VI 07 14 31 20.0–.86 24.00N 46.36W 0 4.1,3.9b
¶16101063

IDC Error ellipse: s-maj=28.5km s-min=22.2km az=123.0.
IDC VI 18 10 03 21.4–.96 29.43N 43.05W 0 4.0,3.8
¶16101463

IDC Error ellipse: s-maj=33.3km s-min=18.7km az=178.0.
IDC VI 24 08 13 04.5–1.2 23.69N 45.02W 0 4.1,3.8b
¶16101686

IDC Error ellipse: s-maj=37.5km s-min=29.9km az=49.0.
IDC VI 28 10 24 30.8–1.0 16.53N 46.52W 0 3.8,3.7
¶16101820

IDC Error ellipse: s-maj=32.4km s-min=24.3km az=177.0.
ISC VI 30 13 31 22.4–.77 45.5N–.20 28.0W–.10 14 3.9b,3.4s 34 19-154
IDC VI 30 13 31 20.6–.90 45.61N 27.95W 0 3.9,3.8L **¶13682313**
ISCJB VI 30 13 31 21.3–.73 45.6N–.10 28.0W–.10 14 3.8b,3.4s
NEIC VI 30 13 31 22.5–.55 45.64N 27.92W 10 4.6b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=19.6km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=13.9km az=166.2.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=12.7km az=158.0.
ISC VI 30 13 45 19.5–2.7 45.7N–.30 28.3W–.50 10 3.6b,3.2s 6 19-154
IDC VI 30 13 45 18.0–2.2 45.74N 28.26W 0 3.6,3.6b **¶16101893**
ISC Event type ke.
IDC Error ellipse: s-maj=67.0km s-min=43.6km az=75.0.
IDC VI 30 14 36 36.7–2.5 45.50N 28.04W 0 3.6,3.6b
¶16101897

IDC Error ellipse: s-maj=83.6km s-min=51.5km az=57.0.
IDC VI 30 14 51 05.6–1.1 45.62N 27.95W 0 3.8s,3.8
¶16101899

IDC Error ellipse: s-maj=33.6km s-min=29.1km az=155.0.

(404) Azores Islands region.

ISC I 05 18 56 06.8–.42 42.43N–.06 30.49W–.05 18–1 4.6b,4.3s 833 4-157
BJI I 05 18 56 02.7 42.40N 30.50W 10 5.2s,5.2b **¶11528551**
IDC I 05 18 56 03.9–.52 42.43N 30.57W 0 4.4,4.4
ISCJB I 05 18 56 04.4–.12 42.34N–.03 30.56W–.02 15 4.6b,4.3s
NEIC I 05 18 56 05.6–.19 42.42N 30.54W 10 4.9b,4.3s
CSEM I 05 18 56 05.3–.08 42.37N 30.55W 10 5.1W,4.8b
MOS I 05 18 56 07.5–.81 42.49N 30.56W 33 4.9b,4.2s
SZGRF I 05 18 56 55.0 46.31N 24.53W 10 4.0b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=15.3km s-min=10.8km az=9.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=1.8km az=5.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=2.9km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=7.0.
MOS Error ellipse: s-maj=8.7km s-min=5.5km az=46.1.
SZGRF Northern Mid-Atlantic Ridge.
PDA I 16 06 05 48.2–1.1 36.74N 24.09W 10 4.0,3.8L
CSEM I 16 06 05 48.2 36.74N 24.09W 10 3.8L,3.8L **¶11662357**
PDA Event type ke. Error ellipse: s-maj=8.4km s-min=5.3km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC II 08 19 21 36.1–.63 37.0N–.10 32.46W–.09 13 4.3b,3.9s 45 22-88
IDC II 08 19 21 34.0–.85 37.00N 32.47W 0 4.2,4.1 **¶12699800**
ISCJB II 08 19 21 34.5–.55 37.1N–.10 32.49W–.08 13 4.3b,3.8s
NEIC II 08 19 21 37.9–.29 37.01N 32.45W 25 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=15.6km az=5.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=9.5km az=179.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.0km az=178.0.
PDA III 01 01 05 50.5–1.2 40.63N 29.16W 5 3.6,3.1L
CSEM III 01 01 05 50.5 40.63N 29.16W 5 3.1L,3.1L **¶12791091**
PDA Event type ke. Error ellipse: s-maj=37.2km s-min=8.9km az=80.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA III 11 07 17 50.8–1.3 36.76N 24.13W 5 4.0,2.5L
CSEM III 11 07 17 50.8 36.76N 24.13W 5 2.5L,2.5L **¶12791148**
PDA Event type ke. Error ellipse: s-maj=12.0km s-min=8.2km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA III 26 13 53 49.9–1.4 37.36N 24.64W 10 4.0,3.4L
CSEM III 26 13 53 49.9 37.36N 24.64W 10 3.4L,3.4L **¶12791350**
PDA Event type ke. Error ellipse: s-maj=9.1km s-min=3.5km az=81.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA III 29 17 53 21.4–1.1 37.48N 24.93W 0–19 3.6,2.0L
CSEM III 29 17 53 21.4 37.48N 24.93W 0 2.0L,2.0L **¶12791365**
PDA Event type ke. Error ellipse: s-maj=32.3km s-min=3.5km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IV 13 15 48 33.2–.67 37.13N 24.16W 5 3.5L,3.2
CSEM IV 13 15 48 33.2 37.13N 24.16W 5 3.5L,3.2 **¶13438480**
PDA Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IV 22 19 00 16.4–1.3 37.41N 24.68W 10 3.6,2.8L
CSEM IV 22 19 00 16.4 37.41N 24.68W 10 2.8L,2.8L **¶13438999**
PDA Event type ke. Error ellipse: s-maj=9.8km s-min=3.3km az=78.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC V 21 08 43 12.4–.37 37.02N–.07 24.46W–.05 10 4.5b,3.6s 221 1-157
ISCJB V 21 08 43 10.3–.28 36.85N–.05 24.30W–.04 10 4.4b,3.6s **¶13107599**
IDC V 21 08 43 10.5–.55 37.02N 24.48W 0 4.7L,4.2
CSEM V 21 08 43 12.2–.14 36.91N 24.31W 10 4.6b,3.4s
NEIC V 21 08 43 12.4–.31 37.02N 24.36W 10 4.7b,3.4s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.5km az=170.1.
IDC Error ellipse: s-maj=18.0km s-min=13.1km az=155.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=4.7km az=170.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.4km az=168.0.
PDA VI 02 10 11 54.8–.84 36.98N 24.44W 5 3.6L,3.4
CSEM VI 02 10 11 54.8 36.98N 24.44W 5 3.6L,3.4 **¶13584443**
PDA Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=102.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC VI 04 19 17 27.2–.49 37.36N–.04 24.83W–.06 20–4 4.1b,3.8s 135 0-85
IDC VI 04 19 17 25.5–1.3 37.65N 24.67W 0 4.3L,3.9 **¶13439913**
NEIC VI 04 19 17 26.4–.83 37.40N 24.86W 10 4.5b,3.9
CSEM VI 04 19 17 26.6–.25 37.24N 24.87W 20 4.5b,3.9
PDA VI 04 19 17 27.9–1.0 37.36N 24.63W 5 4.1L,4.0
INMG VI 04 19 17 28.5–1.9 37.84N 24.45W 10 3.4L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=20.7km az=10.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=8.3km az=188.0.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=4.3km az=19.0.
PDA Event type ke. Error ellipse: s-maj=7.6km s-min=2.4km az=85.0.
INMG Event type ke. Error ellipse: s-maj=58.4km s-min=7.2km az=20.0.
ISC VI 04 20 47 55.8–.96 37.38N–.04 24.88W–.06 22–8 4.0b 68 0-85
IDC VI 04 20 47 52.5–3.5 37.32N 25.16W 0 4.4L,3.8b **¶13439916**
ISCJB VI 04 20 47 55.2–.59 37.36N–.05 24.87W–.06 34–10 3.8b,3.2s
CSEM VI 04 20 47 55.3–.15 37.38N 24.80W 30 3.7L,3.2s
PDA VI 04 20 47 55.9–1.4 37.37N 24.66W 5 3.7L,3.6
INMG VI 04 20 47 58.7–1.4 37.39N 24.80W 10 3.2L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=93.7km s-min=41.8km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.6km az=137.1.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.5km az=41.0.
PDA Event type ke. Error ellipse: s-maj=7.8km s-min=3.1km az=81.0.
INMG Event type ke. Error ellipse: s-maj=8.2km s-min=4.9km az=54.0.
PDA VI 07 10 46 14.6–.70 36.82N 24.31W 5 4.1,2.9L
CSEM VI 07 10 46 14.6 36.82N 24.31W 5 2.9L,2.9L **¶13584472**
PDA Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
IDC VI 19 08 45 38.5–.99 37.17N 32.39W 0 3.9,3.8
¶16101496

IDC Error ellipse: s-maj=24.6km s-min=21.8km az=160.0.
PDA VI 24 18 58 11.4–.77 40.11N 29.54W 5 3.5,3.2L
CSEM VI 24 18 58 11.4 40.11N 29.54W 5 3.2L,3.2L **¶13584539**
PDA Event type ke. Error ellipse: s-maj=9.8km s-min=4.6km az=79.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

(405) Azores Islands.

IDC I 02 15 07 38.6–1.3 39.91N 29.67W 0 3.7,3.7
¶12079826

IDC Error ellipse: s-maj=39.2km s-min=19.3km az=9.0.
PDA I 16 10 30 55.6–.91 37.56N 25.24W 9–8 3.5,1.8L
CSEM I 16 10 30 55.6 37.56N 25.24W 9 1.8L,1.8L **¶11662360**
PDA Event type ke. Error ellipse: s-maj=4.0km s-min=1.7km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA III 25 10 51 10.4–.92 39.45N 29.78W 10 3.5,3.0L
CSEM III 25 10 51 10.4 39.45N 29.78W 10 3.0L,3.0L **¶12791337**
PDA Event type ke. Error ellipse: s-maj=19.4km s-min=6.4km az=51.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA III 25 11 01 03.6–.94 39.43N 29.80W 5 3.5,3.1L
CSEM III 25 11 01 03.6 39.43N 29.80W 5 3.1L,3.1L **¶12791338**
PDA Event type ke. Error ellipse: s-maj=15.6km s-min=6.2km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA III 25 11 03 11.2–.53 39.27N 29.92W 5 3.5,2.6L
CSEM III 25 11 03 11.2 39.27N 29.92W 5 2.6L,2.6L **¶12791339**
PDA Event type ke. Error ellipse: s-maj=13.0km s-min=4.7km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC III 30 18 24 12.5–.74 38.55N–.04 28.54W–.03 15–5 3.7b 44 0-85
ISCJB III 30 18 24 11.5–.59 38.47N–.06 28.54W–.05 21–3 3.5b **¶12635970**
IDC III 30 18 24 12.7–2.4 38.75N 28.65W 0 3.6b,3.6
CSEM III 30 18 24 13.9 38.58N 28.55W 0 3.8L,3.6
PDA III 30 18 24 13.9–1.0 38.58N 28.55W 0–4 3.8L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.9km az=12.5.
IDC Error ellipse: s-maj=75.1km s-min=33.8km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=73.0.
PDA III 31 06 59 36.6–.95 38.59N 28.55W 6–7 3.5,2.5L
CSEM III 31 06 59 36.6 38.59N 28.55W 6 2.5L,2.5L **¶12791393**
PDA Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=165.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC IV 01 06 05 34.2–.57 38.22N–.05 27.38W–.03 10 3.8b 57 0-118
ISCJB IV 01 06 05 34.7–.33 38.30N–.04 27.38W–.03 10 3.8b **¶12934252**
IDC IV 01 06 05 35.9–1.2 38.80N 26.98W 0 3.8,3.6
PDA IV 01 06 05 38.2–.96 38.45N 27.39W 4–5 4.4L,4.1
CSEM IV 01 06 05 38.2 38.45N 27.39W 4 4.4L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=2.4km az=17.9.
IDC Error ellipse: s-maj=49.8km s-min=22.5km az=29.0.
PDA Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=18.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IV 10 01 44 33.5–.82 39.50N 29.76W 15 3.7,2.7L
CSEM IV 10 01 44 33.5 39.50N 29.76W 15 2.7L,2.7L **¶13438278**
PDA Event type ke. Error ellipse: s-maj=19.7km s-min=6.1km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IV 24 22 15 10.9–.42 38.52N 29.57W 0–7 3.6,2.7L
CSEM IV 24 22 15 10.9 38.52N 29.57W 0 2.7L,2.7L **¶13439054**
PDA Event type ke. Error ellipse: s-maj=10.2km s-min=6.3km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA V 02 03 34 00.8–.75 39.13N 29.02W 15 3.5,2.4L
CSEM V 02 03 34 00.8 39.13N 29.02W 15 2.4L,2.4L **¶15194435**
PDA Event type ke. Error ellipse: s-maj=8.4km s-min=4.6km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VI 02 16 39 25.2–.42 39.43N 29.73W 10 3.5,3.2L
CSEM VI 02 16 39 25.2 39.43N 29.73W 10 3.2L,3.2L **¶13584444**
PDA Event type ke. Error ellipse: s-maj=7.0km s-min=3.0km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VI 05 08 21 04.2–1.1 37.65N 25.25W 0–7 3.7,3.1L
CSEM VI 05 08 21 04.2 37.65N 25.25W 0 3.1L,3.1L **¶13584464**
PDA Event type ke. Error ellipse: s-maj=4.4km s-min=2.4km az=42.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VI 19 23 12 50.4–1.1 38.57N 29.27W 5 3.6,2.0L
CSEM VI 19 23 12 50.4 38.57N 29.27W 5 2.0L,2.0L **¶13584523**
PDA Event type ke. Error ellipse: s-maj=15.8km s-min=9.6km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VI 23 20 10 03.0–.36 38.57N 29.23W 2–2 3.5,2.6L
CSEM VI 23 20 10 03.0 38.57N 29.23W 2 2.6L,2.6L **¶13584533**
PDA Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC VI 25 17 09 58.8–1.1 39.62N–.08 29.6W–.10 10 3.9b,3.3s 30 1-75
ISCJB VI 25 17 09 57.4–.82 39.69N–.07 29.7W–.10 10 3.8b,3.3s **¶13584552**
IDC VI 25 17 09 57.2–.88 40.07N 30.49W 0 3.8,3.8
CSEM VI 25 17 09 58.2 39.86N 29.88W 5 2.9L,3.8
PDA VI 25 17 09 58.2–1.0 39.86N 29.88W 5 3.8,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=4.9km az=147.6.
IDC Error ellipse: s-maj=72.1km s-min=12.6km az=141.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA Event type ke. Error ellipse: s-maj=12.7km s-min=7.1km az=67.0.

(406) Central Mid-Atlantic Ridge.

ISC I 02 19 42 28.3–.62 0.64N–.06 26.84W–.06 18–3 5.1s,5.0b 823 11-169
SZGRF I 02 19 42 23.0 0.40S 26.70W 10 5.2b,4.9s **¶13989014**
IDC I 02 19 42 24.8–.45 0.79N 27.02W 0 5.1L,5.0s
ISCJB I 02 19 42 25.4–.22 0.68N–.05 26.74W–.03 10 5.1s,4.9b
NEIC I 02 19 42 27.2–.31 0.62N 26.66W 10 5.6W,5.6W
MOS I 02 19 42 27.3–1.3 0.90N 26.52W 10 5.0s,5.0b
ISC Event type se.
SZGRF Central Mid-Atlantic Ridge.
IDC Error ellipse: s-maj=18.2km s-min=11.3km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.3km az=159.7.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.2km az=157.0. Moment Tensor Solution.
s42 Moment tensor: Scale 10^{17}Nm; M_{rr}0.87 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$-0.39 $M_{r\theta}$-0.17 $M_{\theta\phi}$-2.98 $M_{\phi r}$-0.21
Best double couple: NP1:ϕ_e91.00000°,δ87.00000°,λ-178.00000°. NP2:ϕ_e0.00000°
,δ88.00000°,λ-3.00000°. Principal axes: T 2.5500,Plg1.0000°,Azm45.0000°
; N 0.8900,Plg86.0000°,Azm153.0000°; P -3.4300,Plg3.0000°,Azm315.0000°
$M_0$3.10000×10^{17}
MOS Error ellipse: s-maj=11.4km s-min=5.3km az=60.9.
ISC I 02 20 14 30.7–.29 0.70N–.07 27.08W–.06 10 5.0s,4.9b 1055 11-170
IDC I 02 20 14 29.6–.39 0.77N 27.02W 0 5.4L,4.9s **¶13989011**
MOS I 02 20 14 29.4–1.1 0.83N 27.08W 10 5.0b,4.8s
ISCJB I 02 20 14 29.5–.23 0.75N–.05 26.98W–.03 10 5.0s,4.8b
NEIC I 02 20 14 30.6–.21 0.79N 27.12W 10 5.5W,5.1b
SZGRF I 02 20 14 30.4 0.00S 26.59W 10 5.2b,4.7s
BJI I 02 20 14 31.4 0.80N 27.10W 10 5.7b,5.5s
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=9.8km az=144.0.
MOS Error ellipse: s-maj=11.1km s-min=5.1km az=57.7.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.1km az=159.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=151.0.
SZGRF Central Mid-Atlantic Ridge.
IDC I 13 04 52 02.3–.72 7.13N 34.60W 0 4.2,4.1
¶12081169

IDC Error ellipse: s-maj=23.3km s-min=15.9km az=154.0.
IDC I 22 13 24 26.9–1.1 3.34N 31.26W 0 4.3s,4.3
¶12082055

IDC Error ellipse: s-maj=40.6km s-min=22.1km az=155.0.

IDC I 26 04 15 03.9–6.3 0.33S 20.91W 0 3.6,3.6
¶12082349

IDC Error ellipse: s-maj=280.3km s-min=52.4km az=134.0.
ISC I 29 05 45 18.7–.66 0.1N–.10 18.5W–.10 10 4.3b,3.7s 52 15-147
IDC I 29 05 45 17.6–.91 0.15N 18.60W 0 4.6L,4.2 **¶12082644**
NEIC I 29 05 45 18.6–.64 0.06N 18.46W 10 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=13.9km az=147.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=10.6km az=146.0.
IDC II 06 19 46 00.1–14 0.63N 26.41W 0 3.7,3.7b
¶15955152

IDC Error ellipse: s-maj=472.0km s-min=42.6km az=4.0.
IDC II 08 02 23 51.2–5.7 0.06N 18.52W 0 4.6L,4.1
¶15955206

IDC Error ellipse: s-maj=110.6km s-min=72.3km az=20.0.
IDC II 23 21 01 27.3–2.3 0.01N 18.13W 0 4.2L,4.0
¶15957086

IDC Error ellipse: s-maj=76.8km s-min=29.6km az=153.0.
ISC II 24 00 46 40.1–.41 0.23S–.07 18.37W–.07 10 4.7b,4.3s 362 15-147
ISCJB II 24 00 46 38.8–.31 0.25S–.05 18.27W–.05 10 4.7b,4.3s **¶13435027**
MOS II 24 00 46 38.6–.82 0.23S 18.30W 10 5.0b,4.2s
IDC II 24 00 46 38.9–.48 0.17S 18.34W 0 5.3L,4.4
BJI II 24 00 46 39.1 0.20S 18.52W 10 5.5b,5.1s
NEIC II 24 00 46 40.4–.23 0.26S 18.32W 10 5.0b,5.1s
IGIL II 24 00 46 40.5 0.26S 18.47W 10 4.8b,5.1s
SZGRF II 24 00 46 41.3 0.95N 19.87W 10 5.4b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.9km az=140.4.
MOS Error ellipse: s-maj=13.4km s-min=4.5km az=64.0.
IDC Error ellipse: s-maj=15.7km s-min=10.8km az=139.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.9km az=135.0.
SZGRF Central Mid-Atlantic Ridge.
ISC II 28 21 18 18.5–.53 3.8N–.10 32.5W–.10 10 4.1b,3.9s 36 10-97
ISCJB II 28 21 18 16.7–.46 3.79N–.09 32.49W–.09 10 4.0b,3.9s **¶12702145**
IDC II 28 21 18 17.0–.61 3.89N 32.57W 0 4.2,4.1
NEIC II 28 21 18 18.6–.38 3.83N 32.53W 10 4.4b,4.1
SZGRF II 28 21 18 33.4 5.61N 32.01W 33 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=9.4km az=44.5.
IDC Error ellipse: s-maj=23.4km s-min=13.7km az=138.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.0km az=135.0.
SZGRF Central Mid-Atlantic Ridge.
IDC III 07 12 06 01.5–1.2 0.43S 20.04W 0 3.9L,3.8
¶12702641

IDC Error ellipse: s-maj=72.9km s-min=26.0km az=158.0.
IDC III 14 14 30 54.7–3.1 0.44S 20.09W 0 4.0,3.9
¶12703266

IDC Error ellipse: s-maj=97.0km s-min=44.4km az=119.0.
IDC III 30 17 29 53.6–2.2 0.98N 26.03W 0 3.6,3.5
¶12635967

IDC Error ellipse: s-maj=65.0km s-min=46.0km az=135.0.
ISC IV 08 08 23 01.7–.43 8.08N–.05 37.99W–.05 33–1 5.1b,4.1s 1210 14-175
SZGRF IV 08 08 22 41.4 5.79N 38.99W 10 5.6b,3.9s **¶12100779**
IDC IV 08 08 22 56.3–.38 8.12N 38.03W 0 4.7,4.7
MOS IV 08 08 22 56.8–.80 8.15N 37.99W 10 5.5b,4.7
BJI IV 08 08 22 56.3 8.38N 38.46W 9 5.6b,5.3s
CSEM IV 08 08 22 58.8–.08 8.10N 37.97W 10 5.1b,3.8s
NEIC IV 08 08 22 58.4–.14 8.06N 37.95W 10 5.2b,3.8s
ISCJB IV 08 08 22 59.1–.20 8.09N–.04 37.96W–.02 26 5.0b,4.1s
ISC Event type ke.
SZGRF North Atlantic Ocean.
CSEM Event type ke.
NEIC Event type se.
ISCJB Event type ke.
IDC IV 10 11 17 00.3–1.3 8.29N 38.06W 0 3.9,3.6
¶16152625

IDC Error ellipse: s-maj=45.5km s-min=29.2km az=168.0.
ISC IV 14 01 48 35.7–.41 0.35S–.08 19.71W–.08 10 4.6b,3.8s 182 15-145
ISCJB IV 14 01 48 34.2–.33 0.37S–.05 19.70W–.07 10 4.5b,3.8s **¶12582570**
IDC IV 14 01 48 34.3–.49 0.35S 19.68W 0 4.7L,4.4
BJI IV 14 01 48 34.0 0.75S 19.44W 6 5.5b,5.0s
NEIC IV 14 01 48 35.7–.25 0.43S 19.73W 10 4.8b,5.0s
SZGRF IV 14 01 48 37.7 0.94S 18.42W 33 4.5b,5.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.9km az=28.8.
IDC Error ellipse: s-maj=16.6km s-min=12.6km az=131.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=123.0.
SZGRF Central Mid-Atlantic Ridge.
IDC IV 18 01 21 48.7–1.3 8.12N 39.03W 0 4.0,3.9L
¶16152961

IDC Error ellipse: s-maj=39.9km s-min=28.7km az=150.0.
ISC IV 19 20 29 17.9–.49 3.46N–.08 32.1W–.10 10 4.1b,3.5s 94 10-97
ISCJB IV 19 20 29 16.8–.45 3.51N–.08 32.04W–.07 10 3.9b,3.6s **¶12935626**
NEIC IV 19 20 29 17.0–8.7 3.63N 32.21W 2–55 4.5b,3.6s
IDC IV 19 20 29 17.0–.67 3.64N 32.23W 0 4.6L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=9.6km az=146.6.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.0km az=152.0.
IDC Error ellipse: s-maj=23.9km s-min=15.8km az=132.0.
IDC IV 23 20 46 51.4–1.8 0.27S 19.66W 0 3.6,3.5b
¶16153313

IDC Error ellipse: s-maj=64.1km s-min=53.5km az=164.0.
ISC IV 27 22 47 56.7–.91 8.2N–.20 37.9W–.10 16 4.1b,3.9s 18 14-85
IDC IV 27 22 47 54.6–1.2 8.22N 37.95W 0 4.2,3.9 **¶12936257**
ISCJB IV 27 22 47 55.1–.80 8.3N–.20 37.9W–.10 16 4.0s,3.9b
NEIC IV 27 22 47 55.8–.72 8.24N 37.84W 10 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=26.9km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=14.1km az=158.2.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=12.9km az=159.0.
IDC V 05 09 56 37.8–.82 4.45N 32.61W 0 4.1,3.9
¶16154930

IDC Error ellipse: s-maj=30.5km s-min=17.9km az=146.0.
IDC V 18 15 51 20.2–5.2 1.10N 25.68W 0 3.7s,3.7
¶16155875

IDC Error ellipse: s-maj=274.5km s-min=47.3km az=145.0.
ISC V 31 00 47 03.7–.64 4.59N–.06 32.64W–.07 18–3 4.7b,4.0s 253 11-160
SZGRF V 31 00 46 54.0 2.26N 31.75W 33 4.7b,4.1s **¶12870888**
IDC V 31 00 47 00.5–.47 4.54N 32.63W 0 4.4,4.3
ISCJB V 31 00 47 02.8–.27 4.61N–.05 32.54W–.04 22 4.6b,4.1s
NEIC V 31 00 47 02.3–.24 4.55N 32.57W 10 4.8b,4.1s
GCMT V 31 00 47 05.3–.30 4.61N 32.58W 14–1 4.9W,4.1s
ISC Event type se.
SZGRF Central Mid-Atlantic Ridge.
IDC Error ellipse: s-maj=15.6km s-min=12.9km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.0km az=150.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.5km az=163.0.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s25,c32; s70,c96;
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.59±.15 $M_{\theta\theta}$0.16±.09; $M_{\phi\phi}$2.44±.11; $M_{r\theta}$-0.40±.24;
$M_{\theta\phi}$-0.09±.07; $M_{\theta r}$-0.06±.20; Best double couple: NP1:ϕ_s170.00000°,δ45.00000°
,λ-101.00000°. NP2:ϕ_s6.00000°,δ46.00000°,λ-79.00000°. Principal axes:
T 2.4400,Plg0.0000°,Azm88.0000°; N 0.2100,Plg8.0000°,Azm178.0000°
; P -2.6500,Plg82.0000°,Azm354.0000° $M_0$2.60000×10^{16}
IDC VI 01 20 51 14.0–.83 7.43N 36.10W 0 4.1L,4.0
¶16066181

IDC Error ellipse: s-maj=36.6km s-min=17.0km az=131.0.
IDC VI 02 11 47 01.1–.60 5.68N 32.79W 0 4.1,4.0L
¶16066220

IDC Error ellipse: s-maj=20.0km s-min=16.2km az=152.0.
IDC VI 02 14 55 08.5–1.2 8.19N 38.00W 0 4.1,3.8b
¶16066229

IDC Error ellipse: s-maj=44.1km s-min=28.9km az=160.0.
IDC VI 04 10 06 02.4–1.0 6.85N 36.83W 0 4.2,4.0b
¶13439906

IDC Error ellipse: s-maj=35.0km s-min=22.2km az=143.0.
IDC VI 13 04 25 44.4–1.5 1.55S 24.57W 0 3.8,3.7
¶16101266

IDC Error ellipse: s-maj=106.7km s-min=30.9km az=154.0.
ISC VI 17 06 45 13.8–.74 0.6N–.20 25.5W–.10 12 4.4b,4.2s 40 12-150
ISCJB VI 17 06 45 11.7–.77 0.5N–.20 25.4W–.10 12 4.3b,4.2s **¶13681520**
IDC VI 17 06 45 12.3–.90 0.54N 25.42W 0 4.2s,4.2
NEIC VI 17 06 45 13.5–.57 0.64N 25.50W 10 4.6b,4.2
GCMT VI 17 06 45 17.7–.30 0.78N 25.46W 12 4.9W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.4km s-min=10.5km az=156.0.
IDC Error ellipse: s-maj=40.1km s-min=16.0km az=152.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=9.3km az=155.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s19,c21; s57,c80;
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.43±.09 $M_{\theta\theta}$0.20±.09; $M_{\phi\phi}$2.22±.08; $M_{r\theta}$0.77±.41;
$M_{\theta\phi}$0.05±.08; $M_{\theta r}$0.65±.26; Best double couple: NP1:ϕ_s349.00000°,δ38.00000°,λ-112.00000°.
NP2:ϕ_s196.00000°,δ55.00000°,λ-73.00000°. Principal axes: T 2.3200,Plg9.0000°
,Azm275.0000°; N 0.3900,Plg14.0000°,Azm7.0000°; P -2.7100,Plg74.0000°,Azm154.0000°
$M_0$2.50000×10^{16}
IDC VI 21 01 41 25.5–1.7 0.74N 28.67W 0 4.0,4.0
¶16101553

IDC Error ellipse: s-maj=59.5km s-min=32.2km az=148.0.
IDC VI 28 12 05 04.2–4.3 0.58N 30.63W 0 3.9,3.6
¶16101823

IDC Error ellipse: s-maj=164.2km s-min=31.0km az=174.0.
IDC VI 30 14 46 33.6–8.2 5.85N 33.42W 0 3.9,3.7
¶16101898

IDC Error ellipse: s-maj=322.0km s-min=37.9km az=6.0.

(407) North of Ascension Island.

IDC I 08 13 05 44.4–1.3 0.06N 16.70W 0 4.2L,4.0
¶12080741

IDC Error ellipse: s-maj=72.0km s-min=22.3km az=150.0.
IDC II 19 05 19 38.8–2.7 1.90S 15.71W 0 4.1,3.9
¶15956689

IDC Error ellipse: s-maj=106.8km s-min=43.9km az=153.0.
ISC III 16 01 38 02.1–.37 0.19N–.07 17.41W–.06 12 4.8b,4.1s 591 14-146
MOS III 16 01 37 59.8–.82 0.04N 17.37W 10 5.0b,4.1s **¶13436396**
BJI III 16 01 38 00.9 0.30N 17.58W 13 5.5b,5.2s
IDC III 16 01 38 00.2–.47 0.10N 17.47W 0 4.6,4.5
ISCJB III 16 01 38 00.7–.24 0.12N–.05 17.39W–.03 12 4.7b,4.1s
NEIC III 16 01 38 01.6–.20 0.03N 17.46W 10 4.9b,4.1s
SZGRF III 16 01 38 01.8 0.47N 18.91W 33 4.6b,4.1s
TEH III 16 01 38 02.0 0.11N 17.47W 10 4.9L,4.1s
GCMT III 16 01 38 05.7–.30 0.26N 17.45W 14–1 4.9W,4.1s
ISC Event type se.
MOS Error ellipse: s-maj=11.4km s-min=3.9km az=64.1.
IDC Error ellipse: s-maj=15.3km s-min=12.1km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.4km az=157.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.6km az=154.0.
SZGRF Central Mid-Atlantic Ridge.
GCMT Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s23,c27; s73,c99;
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.09 $M_{\theta\theta}$0.89±.08; $M_{\phi\phi}$-0.60±.08; $M_{r\theta}$-0.13±.17;
$M_{\theta\phi}$-2.26±.09; $M_{\theta r}$-0.21±.17; Best double couple: NP1:ϕ_s81.00000°,δ85.00000°,λ-175.00000°.
NP2:ϕ_s351.00000°,δ85.00000°,λ-5.00000°. Principal axes: T 2.5200,Plg0.0000°
,Azm36.0000°; N -0.2500,Plg83.0000°,Azm129.0000°; P -2.2700,Plg7.0000°,Azm306.0000°
$M_0$2.40000×10^{16}
ISC III 16 17 33 41.2–.47 0.0N–.10 17.34W–.08 12 4.5b 74 14-93
ISCJB III 16 17 33 39.6–.39 0.02S–.08 17.30W–.07 12 4.4b,3.4s **¶13436465**
IDC III 16 17 33 39.2–.54 0.03N 17.35W 0 4.7L,4.5
NEIC III 16 17 33 40.9–.32 0.07S 17.32W 10 4.7b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=8.0km az=144.5.
IDC Error ellipse: s-maj=18.2km s-min=13.9km az=149.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.4km az=146.0.
IDC III 17 14 03 03.9–2.6 3.84S 11.15W 0 4.2,4.0
¶12703516

IDC Error ellipse: s-maj=130.4km s-min=56.6km az=112.0.
IDC III 18 11 36 00.7–2.9 0.85S 13.29W 0 4.2,4.2b
¶12703582

IDC Error ellipse: s-maj=86.5km s-min=44.6km az=162.0.
IDC III 24 08 21 29.6–8.1 0.70S 15.07W 0 3.9L,3.9
¶12635451

IDC Error ellipse: s-maj=164.1km s-min=36.9km az=110.0.
IDC IV 07 06 07 35.3–2.2 1.57S 13.51W 0 3.8,3.8
¶16152492

IDC Error ellipse: s-maj=120.9km s-min=20.8km az=143.0.
IDC IV 13 18 21 10.9–1.9 0.07N 16.71W 0 4.4L,4.1
¶16152772

IDC Error ellipse: s-maj=77.4km s-min=25.3km az=149.0.
IDC V 11 04 24 18.4–4.8 1.43S 15.03W 0 4.4,4.3
¶16155620

IDC Error ellipse: s-maj=77.0km s-min=69.7km az=136.0.
IDC V 13 08 43 21.4–1.8 1.38S 14.71W 0 4.2,4.2
¶16155706

IDC Error ellipse: s-maj=53.7km s-min=26.5km az=99.0.
ISC V 30 07 52 09.8–1.1 0.1S–.20 16.3W–.20 13 4.3b,3.8s 21 13-145
ISCJB V 30 07 52 08.7–.79 0.1S–.20 16.3W–.10 13 4.1b,3.8s **¶13679957**
IDC V 30 07 52 08.2–1.1 0.08S 16.24W 0 4.2,4.1
NEIC V 30 07 52 09.9–.77 0.13S 16.27W 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=13.8km az=154.4.
IDC Error ellipse: s-maj=37.6km s-min=23.3km az=150.0.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=14.2km az=152.0.
IDC V 30 11 03 39.5–1.4 2.72S 11.93W 0 4.2,4.0b
¶16066077

IDC Error ellipse: s-maj=65.2km s-min=29.6km az=120.0.
ISC VI 24 11 12 22.6–.54 0.19N–.06 16.88W–.06 15–2 5.0b,4.7s 526 13-158
MOS VI 24 11 12 20.3–.90 0.21N 16.84W 10 5.5b,4.8s **¶13232218**
IDC VI 24 11 12 20.2–.42 0.25N 16.91W 0 4.9L,4.7
ISCJB VI 24 11 12 20.3–1.2 0.15N–.04 16.82W–.05 11–7 5.0b,4.7s
SZGRF VI 24 11 12 20.1 1.04S 16.15W 37 5.1b,4.6s
BJI VI 24 11 12 21.6 0.20N 16.90W 10 5.5b,5.4b
NEIC VI 24 11 12 22.0–.25 0.18N 16.88W 10 5.2b,5.4b
GCMT VI 24 11 12 26.4–.10 0.30N 17.02W 17–0 5.3W,5.4b
ISC Event type se.
MOS Error ellipse: s-maj=11.6km s-min=3.6km az=65.9.
IDC Error ellipse: s-maj=14.2km s-min=10.8km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.3km az=40.7.
SZGRF North of Ascension Island.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.0km az=135.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s61,c94; s95,c173;
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\theta r}$0.00
Best double couple: NP1:ϕ_s78.00000°,δ66.00000°,λ156.00000°. NP2:ϕ_s178.00000°
,δ68.00000°,λ26.00000°. Principal axes: T 1.0300,Plg33.0000°,Azm38.0000°
; N 0.1200,Plg57.0000°,Azm216.0000°; P -1.1500,Plg1.0000°,Azm307.0000°
$M_0$1.10000×10^{17}

(408) Ascension Island region.

IDC I 19 08 53 55.0–3.8 11.98S 15.38W 0 4.0b,4.0
¶12081736

IDC Error ellipse: s-maj=208.0km s-min=79.9km az=125.0.
ISC I 22 20 15 59.9–.66 5.6S–.10 11.4W–.10 10 4.6b,3.7s 60 13-95
ISCJB I 22 20 15 58.4–.47 5.51S–.07 11.42W–.08 10 4.5b,3.9s **¶12082076**
IDC I 22 20 15 58.5–.75 5.50S 11.47W 0 4.3,4.3b
NEIC I 22 20 15 59.9–.40 5.55S 11.45W 10 4.7b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=10.1km az=24.2.

IDC Error ellipse: s-maj=23.3km s-min=16.7km az=154.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=9.2km az=137.0.
ISC II 26 14 49 37.9–1.1 11.8S–.10 13.0W–.20 10 4.2b,3.8s 17 8-88
ISCJB II 26 14 49 36.3–.89 11.7S–.10 12.9W–.20 10 4.3b,3.8s **¶12701932**
IDC II 26 14 49 36.6–5.1 11.64S 13.23W 0 4.1,4.0b
NEIC II 26 14 49 37.8–.77 11.80S 12.98W 10 4.6b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=14.1km az=152.8.
IDC Error ellipse: s-maj=99.2km s-min=74.3km az=30.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=12.5km az=63.0.
ISC III 05 22 13 53.8–.60 8.0S–.10 13.55W–.10 17 4.2s,4.2b 42 17-135
IDC III 05 22 13 51.5–.73 7.98S 13.59W 0 4.2s,4.2 **¶12055765**
ISCJB III 05 22 13 52.2–.53 8.0S–.10 13.52W–.09 17 4.2s,4.1b
NEIC III 05 22 13 52.8–.54 8.03S 13.53W 10 4.2b,4.1b
GCMT III 05 22 13 54.7–.30 7.97S 13.54W 18–1 5.0W,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=14.0km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=9.6km az=146.1.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=10.2km az=147.0.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s19,c22; s62,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.16±.26 $M_{\theta\theta}$0.03±.15; $M_{\phi\phi}$3.13±.18; $M_{r\theta}$-0.43±.42; $M_{\theta\phi}$-0.77±.10; $M_{\phi r}$1.80±.36; Best double couple: NP1:ϕ_s347.00000°,δ30.00000°,λ-90.00000°. NP2:ϕ_s167.00000°,δ60.00000°,λ-90.00000°. Principal axes: T 3.8000,Plg15.0000° ,Azm257.0000°; N -0.1500,Plg0.0000°,Azm167.0000°; P -3.6500,Plg75.0000°,Azm76.0000° M_o3.70000×10^{16}
ISC III 26 18 43 48.7–.37 7.01S–.07 12.42W–.07 19 5.0b,4.7s 239 11-138
MOS III 26 18 43 45.8–1.3 6.77S 12.68W 10 5.3b,4.7s **¶12062030**
IDC III 26 18 43 46.3–.59 7.14S 12.51W 0 4.6s,4.6
NEIC III 26 18 43 47.6–.35 6.78S 12.54W 10 5.2b,4.6
ISCJB III 26 18 43 47.3–.32 6.77S–.05 12.59W–.07 19 4.8b,4.6s
GCMT III 26 18 43 51.4–.10 6.90S 12.57W 14–0 5.4W,4.6s
SZGRF III 26 18 43 59.0 6.67S 12.81W 33 4.9b,4.7s
ISC Event type se.
MOS Error ellipse: s-maj=14.7km s-min=5.9km az=69.0.
IDC Error ellipse: s-maj=20.1km s-min=15.2km az=149.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.1km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=28.2.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves from 101 sta. Moment Tensor Solution. s68,c107; s99,c186; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.02 $M_{\theta\theta}$-0.52±.02; $M_{\phi\phi}$0.67±.03; $M_{r\theta}$0.08±.05; $M_{\theta\phi}$1.28±.02; $M_{\phi r}$-0.01±.05; Best double couple: NP1: ϕ_s348.00000°,δ87.00000°,λ-178.00000°. NP2:ϕ_s257.00000°,δ88.00000°,λ-3.00000°. Principal axes: T 1.4800,Plg1.0000°,Azm303.0000°; N -0.1400,Plg86.0000°,Azm51.0000° ; P -1.3500,Plg3.0000°,Azm212.0000° M_o1.40000×10^{17}
SZGRF Ascension Island region.
ISC III 26 19 13 37.9–.41 6.84S–.07 12.42W–.07 19 4.8b,4.2s 163 11-96
IDC III 26 19 13 35.3–.52 6.84S 12.43W 0 4.4,4.4 **¶12098952**
ISCJB III 26 19 13 36.5–.29 6.75S–.05 12.40W–.05 19 4.6b,4.1s
NEIC III 26 19 13 36.4–.29 6.86S 12.42W 10 5.0b,4.1s
GCMT III 26 19 13 41.0–.30 6.90S 12.56W 16–1 5.1W,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=12.7km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.2km az=42.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.3km az=106.0.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s28,c34; s71,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.85±.22 $M_{\theta\theta}$-1.98±.19; $M_{\phi\phi}$2.83±.23; $M_{r\theta}$0.75±.55; $M_{\theta\phi}$4.53±.17; $M_{\phi r}$0.79±.58; Best double couple: NP1:ϕ_s346.00000°,δ81.00000°,λ176.00000°. NP2:ϕ_s76.00000°,δ86.00000°,λ9.00000°. Principal axes: T 5.7300,Plg9.0000°,Azm301.0000° ; N -1.0100,Plg80.0000°,Azm99.0000°; P -4.7200,Plg4.0000°,Azm211.0000° M_o5.20000×10^{16}
ISC V 13 22 23 44.6–.65 5.6S–.10 11.4W–.10 10 4.5b,4.1s 44 13-97
IDC V 13 22 23 42.7–.75 5.59S 11.45W 0 4.0,3.9 **¶13678901**
NEIC V 13 22 23 44.4–.51 5.54S 11.40W 10 4.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=17.0km az=115.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=8.8km az=129.0.
ISC VI 07 00 01 08.2–.63 5.40S–.10 11.5W–.10 13 4.5b,3.9s 71 14-100
ISCJB VI 07 00 01 06.4–.53 5.49S–.08 11.4W–.10 13 4.4b,3.9s **¶13680747**
IDC VI 07 00 01 06.3–.72 5.35S 11.51W 0 4.2,4.1
NEIC VI 07 00 01 07.8–.58 5.55S 11.37W 10 4.9b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=11.2km az=16.1.
IDC Error ellipse: s-maj=20.6km s-min=16.6km az=110.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=12.2km az=102.0.
IDC VI 21 12 58 36.4–1.6 7.57S 13.45W 0 4.2,4.1b
¶16101570
IDC Error ellipse: s-maj=60.5km s-min=17.2km az=141.0.

(409) South Atlantic Ocean.

IDC II 28 04 56 40.9–1.5 11.31S 12.04E 0 3.6,3.6
¶15957505
IDC Error ellipse: s-maj=55.0km s-min=21.1km az=57.0.
IDC VI 21 00 53 33.8–1.9 52.89S 46.26W 0 4.0,4.0
¶16101551
IDC Error ellipse: s-maj=66.8km s-min=31.0km az=28.0.

(410) Southern Mid-Atlantic Ridge.

ISC I 23 02 16 38.3–.65 33.1S–.10 15.9W–.10 10 5.0b,4.1s 88 31-145
IDC I 23 02 16 36.9–.94 32.98S 15.95W 0 4.5,4.4 **¶12082091**
ISCJB I 23 02 16 37.1–.54 33.1S–.10 15.90W–.09 10 4.8b,4.1s
NEIC I 23 02 16 38.3–.41 33.08S 15.87W 10 4.9b,4.1s
SZGRF I 23 02 16 50.5 30.72S 16.72W 33 5.2b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=17.1km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=10.8km az=168.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.6km az=169.0.
SZGRF Southern Mid-Atlantic Ridge.
IDC II 01 06 43 05.3–7.1 22.75S 13.25W 0 4.1,4.0b
¶15954814
IDC Error ellipse: s-maj=183.3km s-min=40.6km az=60.0.
ISC II 06 03 13 25.3–.60 28.2S–.10 12.7W–.10 10 4.6s,4.3b 33 33-146
ISCJB II 06 03 13 23.2–.51 28.2S–.10 12.71W–.09 10 4.6s,4.2b **¶11730074**
IDC II 06 03 13 23.6–.93 28.32S 12.70W 0 4.5s,4.5
NEIC II 06 03 13 25.2–.44 28.23S 12.74W 10 4.5b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=10.4km az=158.1.
IDC Error ellipse: s-maj=31.5km s-min=19.5km az=174.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.0km az=158.0.
ISC II 19 09 28 09.8–.57 33.67S–.09 14.57W–.10 10 4.6b,3.8s 31 4-149
ISCJB II 19 09 28 08.1–.49 33.67S–.07 14.6W–.10 10 4.6b,3.6s **¶12701226**
IDC II 19 09 28 08.0–.87 33.68S 14.68W 0 4.4b,4.4
NEIC II 19 09 28 10.0–.45 33.65S 14.57W 10 4.7b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=8.1km az=153.0.
IDC Error ellipse: s-maj=24.8km s-min=19.4km az=19.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=11.3km az=197.0.
IDC II 28 22 27 06.7–3.1 41.43S 16.97W 0 4.0,3.9b
¶15957551
IDC Error ellipse: s-maj=153.1km s-min=31.7km az=135.0.
IDC III 02 10 03 11.1–.95 22.51S 12.68W 0 4.2,4.1
¶12702252
IDC Error ellipse: s-maj=34.5km s-min=25.0km az=119.0.
ISC III 04 05 23 15.4–.80 29.1S–.20 13.7W–.10 10 3.9b 9 30-67
ISCJB III 04 05 23 13.7–.72 29.1S–.10 13.7W–.10 10 4.1b **¶14269586**
NEIC III 04 05 23 15.8–.69 29.02S 13.69W 10 4.1b
GCMT III 04 05 23 19.4 29.33S 13.53W 26 5.0W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=15.2km az=158.4.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=11.4km az=164.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s21,c22; s70,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88±.17 $M_{\theta\theta}$-0.71±.14; $M_{\phi\phi}$1.58±.14; $M_{r\theta}$1.11±.25; $M_{\theta\phi}$2.93±.11; $M_{\phi r}$0.34±.23; Best double couple: NP1:ϕ_s350.00000°,δ68.00000°,λ-173.00000°. NP2:ϕ_s257.00000°,δ84.00000°,λ-23.00000°. Principal axes: T 3.7600,Plg11.0000° ,Azm306.0000°; N -0.7900,Plg67.0000°,Azm63.0000°; P -2.9700,Plg20.0000° ,Azm211.0000° M_o3.40000×10^{16}
ISC III 05 01 32 33.4–.42 30.73S–.08 13.53W–.09 10 4.5b,4.4s 65 6-148
IDC III 05 01 32 31.6–.71 30.75S 13.52W 0 4.4s,4.4 **¶12055758**
ISCJB III 05 01 32 32.1–.34 30.82S–.07 13.54W–.08 10 4.5b,4.4s
NEIC III 05 01 32 33.3–.32 30.75S 13.50W 10 4.7b,4.4s
GCMT III 05 01 32 36.7–.20 30.78S 13.45W 12 5.1W,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=15.5km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.9km az=137.1.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.9km az=151.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s43,c49; s85,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.80±.15 $M_{\theta\theta}$-1.01±.16; $M_{\phi\phi}$2.81±.13; $M_{r\theta}$-1.67±.41; $M_{\theta\phi}$-4.94±.11; $M_{\phi r}$1.17±.37; Best double couple: NP1:ϕ_s11.00000°,δ69.00000°,λ-2.00000°. NP2:ϕ_s102.00000°,δ88.00000°,λ-159.00000°. Principal axes: T 6.6300,Plg13.0000° ,Azm235.0000°; N -2.0300,Plg69.0000°,Azm108.0000°; P -4.6000,Plg16.0000° ,Azm329.0000° M_o5.60000×10^{16}
IDC III 07 10 52 12.4–.96 32.14S 13.46W 0 4.1b,4.1
¶12702635
IDC Error ellipse: s-maj=30.4km s-min=27.6km az=131.0.
ISC III 09 09 47 18.7–.42 16.57S–.09 11.04W–.06 10 5.0b,4.1s 197 5-146
ISCJB III 09 09 47 17.0–.34 16.57S–.06 11.05W–.05 10 4.8b,4.2s **¶11788845**
MOS III 09 09 47 17.2–.77 16.53S 11.04W 10 5.2b,4.2s
IDC III 09 09 47 17.2–.58 16.62S 11.09W 0 4.5,4.5
BJI III 09 09 47 17.7 17.36S 10.32W 11 5.6b,5.2s
NEIC III 09 09 47 18.8–.23 16.60S 11.08W 10 5.2b,5.2s
GCMT III 09 09 47 20.2–.30 16.39S 11.15W 13–1 4.9W,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.6km az=166.8.
MOS Error ellipse: s-maj=13.1km s-min=6.7km az=63.9.
IDC Error ellipse: s-maj=18.4km s-min=13.9km az=156.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=153.0.
GCMT Event type se. Data Used: IU IC II G. Moment Tensor Solution. s18,c19; s64,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}2.37±.19 $M_{\theta\theta}$-0.62±.12; $M_{\phi\phi}$-1.74±.12; $M_{r\theta}$-1.50±.44; $M_{\theta\phi}$0.46±.08; $M_{\phi r}$0.16±.29; Best double couple: NP1:ϕ_s173.00000°,δ38.00000°,λ123.00000°. NP2:ϕ_s314.00000°,δ59.00000°,λ67.00000°. Principal axes: T 2.9900,Plg67.0000° ,Azm179.0000°; N -0.9500,Plg19.0000°,Azm326.0000°; P -2.0400,Plg11.0000° ,Azm60.0000° M_o2.50000×10^{16}
ISC III 20 04 27 47.7–.85 33.0S–.20 16.0W–.20 10 4.4b 24 34-145
IDC III 20 04 27 46.2–.97 33.01S 15.96W 0 4.1b,4.1 **¶12703775**
ISCJB III 20 04 27 46.1–.93 33.0S–.20 15.9W–.20 10 4.2b,4.1
NEIC III 20 04 27 47.6–.63 33.02S 15.96W 10 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=22.1km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=25.7km s-min=15.8km az=143.1.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=13.8km az=143.0.
ISC III 22 05 03 31.2–.92 13.3S–.20 14.3W–.20 10 4.2b,3.8s 22 22-96
SZGRF III 22 05 03 01.3 18.63S 14.59W 33 4.4b,3.8s **¶12635260**
ISCJB III 22 05 03 29.2–.78 13.4S–.20 14.2W–.20 10 4.1b,3.8s
IDC III 22 05 03 29.8–2.9 13.27S 14.27W 0 4.1,4.0
NEIC III 22 05 03 31.1–.63 13.32S 14.24W 10 4.6b,4.0
ISC Event type se.
SZGRF Southern Mid-Atlantic Ridge.
ISCJB Event type se. Error ellipse: s-maj=28.6km s-min=12.8km az=138.7.
IDC Error ellipse: s-maj=111.3km s-min=19.6km az=146.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=10.4km az=139.0.
ISC III 22 05 38 38.2–.71 12.9S–.10 14.6W–.10 16 4.5b 54 21-95
IDC III 22 05 38 35.7–1.2 12.89S 14.60W 0 4.2,4.1b **¶12635265**
ISCJB III 22 05 38 36.3–.61 12.9S–.10 14.5W–.10 16 4.3b,4.1b
NEIC III 22 05 38 37.2–.52 12.88S 14.58W 10 4.6b,4.1b
SZGRF III 22 05 38 46.8 11.38S 15.31W 33 4.9b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=17.1km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=10.5km az=44.9.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=8.9km az=136.0.
SZGRF Ascension Island region.
IDC III 22 05 42 36.0–3.7 12.96S 14.68W 0 4.1s,4.1
¶12599197
IDC Error ellipse: s-maj=161.6km s-min=19.6km az=146.0.
ISC III 22 05 52 29.1–.33 12.96S–.08 14.60W–.07 16 5.1b,4.3s 410 21-146
MOS III 22 05 52 26.9–.71 12.82S 14.59W 10 5.4b,4.3s **¶13436992**
BJI III 22 05 52 26.5 13.00S 14.41W 6 5.7b,5.2s
IDC III 22 05 52 26.6–.53 12.98S 14.59W 0 4.5,4.4
ISCJB III 22 05 52 27.9–.25 12.89S–.05 14.48W–.04 16 5.0b,4.3s
NEIC III 22 05 52 28.4–.17 12.93S 14.59W 10 5.1b,4.3s
SZGRF III 22 05 52 47.0 10.74S 12.59W 33 5.3b,4.5s
ISC Event type se.
MOS Error ellipse: s-maj=13.8km s-min=4.9km az=72.0.
IDC Error ellipse: s-maj=18.9km s-min=13.1km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=145.6.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.7km az=137.0.
SZGRF Ascension Island region.
ISC III 22 06 06 37.0–.36 12.86S–.08 14.57W–.07 16 4.9b,4.6s 176 21-146
SZGRF III 22 06 06 30.6 14.42S 14.74W 33 5.0b,4.6s **¶13436994**
IDC III 22 06 06 34.5–.67 12.88S 14.54W 0 4.5s,4.5
ISCJB III 22 06 06 35.0–.29 12.80S–.06 14.55W–.06 16 4.7b,4.6s
NEIC III 22 06 06 36.0–.22 12.83S 14.55W 10 4.9b,4.6s
GCMT III 22 06 06 40.0–.20 12.86S 14.63W 12 5.3W,4.6s
ISC Event type se.
SZGRF Southern Mid-Atlantic Ridge.
IDC Error ellipse: s-maj=25.0km s-min=13.4km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=6.1km az=39.8.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.6km az=135.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s60,c78; s90,c173; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01±.02 $M_{\theta\theta}$0.07±.02; $M_{\phi\phi}$0.94±.02; $M_{r\theta}$0.29±.06; $M_{\theta\phi}$-0.23±.01; $M_{\phi r}$0.16±.05; Best double couple: NP1:ϕ_s331.00000°,δ45.00000°,λ-113.00000°. NP2:ϕ_s182.00000°,δ50.00000°,λ-69.00000°. Principal axes: T 1.0000,Plg3.0000° ,Azm257.0000°; N 0.1000,Plg16.0000°,Azm348.0000°; P -1.1000,Plg74.0000° ,Azm158.0000° M_o1.10000×10^{17}
ISC III 22 06 35 16.5–.51 12.9S–.10 14.62W–.10 16 4.4b,4.1s 73 9-145
ISCJB III 22 06 35 14.3–.41 12.86S–.08 14.56W–.08 16 4.2b,4.2s **¶13436997**
IDC III 22 06 35 14.5–1.1 12.81S 14.69W 0 4.1s,4.1
NEIC III 22 06 35 15.4–.31 12.87S 14.62W 10 4.9b,4.1
GCMT III 22 06 35 17.4–.30 12.90S 14.60W 12 4.9W,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.4km az=41.4.
IDC Error ellipse: s-maj=46.3km s-min=15.8km az=143.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.8km az=135.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s26,c30; s73,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.18±.10 $M_{\theta\theta}$0.40±.10; $M_{\phi\phi}$2.77±.09; $M_{r\theta}$0.09±.40; $M_{\theta\phi}$-0.79±.07; $M_{\phi r}$-1.14±.32; Best double couple: NP1:ϕ_s159.00000°,δ35.00000°,λ-97.00000°. NP2:ϕ_s347.00000°,δ55.00000°,λ-85.00000°. Principal axes: T 3.2100,Plg10.0000° ,Azm74.0000°; N 0.1800,Plg4.0000°,Azm165.0000°; P -3.3900,Plg79.0000°,Azm275.0000° M_o3.30000×10^{16}
ISC III 22 08 02 27.3–.40 12.77S–.10 14.57W–.10 16 4.8b,4.4s 187 21-146
BJI III 22 08 02 24.3 12.80S 14.50W 10 5.5b,5.3s **¶12054555**
ISCJB III 22 08 02 25.9–.38 12.77S–.08 14.57W–.09 16 4.6b,4.4s
MOS III 22 08 02 25.2–.77 12.71S 14.65W 10 5.0b,4.3s
IDC III 22 08 02 25.1–.59 12.79S 14.62W 0 4.3s,4.3
NEIC III 22 08 02 26.7–.28 12.87S 14.56W 10 4.8b,4.3
SZGRF III 22 08 02 31.0 12.40S 14.47W 33 5.0b,4.4s
GCMT III 22 08 02 31.3–.20 12.72S 14.65W 19–0 5.1W,4.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=7.4km az=39.8.
MOS Error ellipse: s-maj=23.0km s-min=6.5km az=70.8.
IDC Error ellipse: s-maj=26.8km s-min=13.2km az=134.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.0km az=128.0.
SZGRF Southern Mid-Atlantic Ridge.
GCMT Event type se. Data Used: IU IC G II. Moment Tensor Solution. s18,c22; s80,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.56±.31 $M_{\theta\theta}$0.86±.17; $M_{\phi\phi}$4.70±.20; $M_{r\theta}$1.25±.47; $M_{\theta\phi}$-1.01±.09; $M_{\phi r}$-0.05±.37; Best double couple: NP1:ϕ_s176.00000°,δ44.00000°,λ-75.00000°. NP2:ϕ_s335.00000°,δ48.00000°,λ-104.00000°. Principal axes: T 4.9600,Plg2.0000°

,Azm76.0000°; N 0.8400,Plg11.0000°,Azm345.0000°; P -5.8000,Plg79.0000°,Azm176.0000° $M_0$5.40000×10^{16}

IDC III 22 08 18 56.1–.87 12.80S 14.53W 0 4.1,4.1
¶12635273

IDC Error ellipse: s-maj=44.6km s-min=20.9km az=117.0.

ISC III 22 12 54 52.3–.33 12.77S–.07 14.69W–.07 16 5.2b,4.3s 440 21-146
IDC III 22 12 54 50.0–.48 12.72S 14.67W 0 4.5,4.5 **¶13567804**
MOS III 22 12 54 50.1–.63 12.54S 14.79W 10 5.4b,4.6s
NEIC III 22 12 54 51.4–.17 12.74S 14.69W 10 5.3b,4.6s
ISCJB III 22 12 54 51.1–.26 12.62S–.05 14.61W–.04 16 5.0b,4.4s
BJI III 22 12 54 52.8 13.20S 14.15W 27 5.5s,5.5b
GCMT III 22 12 54 53.1–.30 12.78S 14.63W 22–0 5.0W,5.5b
SZGRF III 22 12 55 03.8 11.61S 12.66W 33 5.3b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=11.6km az=155.0.
MOS Error ellipse: s-maj=13.5km s-min=4.5km az=70.6.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.7km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.8km az=145.1.
GCMT Event type se. Data Used: II IC IU G. Moment Tensor Solution. s21,c23; s84,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.13±.28 $M_{\theta\theta}$1.09±.16; $M_{\phi\phi}$4.04±.19; $M_{r\theta}$0.42±.31; $M_{\theta\phi}$0.00±.11; $M_{\phi r}$-0.34±.28; Best double couple: NP1:ϕ_s184.00000°,δ43.00000°,λ-84.00000°. NP2:ϕ_s356.00000°,δ47.00000°,λ-95.00000°. Principal axes: T 4.0500,Plg2.0000° ,Azm90.0000°; N 1.1200,Plg4.0000°,Azm360.0000°; P -5.1700,Plg86.0000°,Azm209.0000° $M_0$4.60000×10^{16}
SZGRF Ascension Island region.
ISC III 22 12 56 21.4–.69 12.7S–.20 14.7W–.20 18 4.7b 56 21-136
ISCJB III 22 12 56 19.8–.66 12.5S–.10 14.8W–.20 18 4.5b,4.2s **¶12599202**
IDC III 22 12 56 19.8–.80 12.26S 14.98W 0 4.2,4.1s
NEIC III 22 12 56 21.3–.46 12.40S 14.93W 10 4.9b,4.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.1km s-min=10.2km az=40.2.
IDC Error ellipse: s-maj=33.4km s-min=17.1km az=137.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=8.1km az=129.0.
ISC III 27 10 00 47.9–.42 12.83S–.10 14.52W–.09 16 4.7b,4.2s 163 21-146
MOS III 27 10 00 45.2–.95 12.75S 14.58W 10 5.0b,4.1s **¶13437434**
ISCJB III 27 10 00 46.3–.34 12.81S–.07 14.43W–.07 16 4.6b,4.2s
IDC III 27 10 00 46.6–1.3 12.54S 14.67W 0 4.3,4.2
BJI III 27 10 00 46.0 13.00S 14.30W 16 5.7b,5.1s
NEIC III 27 10 00 47.1–.32 12.80S 14.55W 10 5.1b,5.1s
GCMT III 27 10 00 48.5–.30 12.86S 14.58W 20–1 5.0W,5.1s
ISC Event type ke.
MOS Error ellipse: s-maj=20.2km s-min=8.3km az=68.8.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.8km az=136.5.
IDC Error ellipse: s-maj=49.2km s-min=15.3km az=145.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.5km az=132.0.
GCMT Event type se. Data Used: IU II IC G. Moment Tensor Solution. s9,c12; s62,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.58±.36 $M_{\theta\theta}$0.81±.20; $M_{\phi\phi}$2.77±.21; $M_{r\theta}$-0.04±.45; $M_{\theta\phi}$-1.58±.09; $M_{\phi r}$0.39±.30; Best double couple: NP1:ϕ_s328.00000°,δ42.00000°,λ-94.00000°. NP2:ϕ_s153.00000°,δ48.00000°,λ-87.00000°. Principal axes: T 3.6700,Plg3.0000° ,Azm241.0000°; N -0.0600,Plg3.0000°,Azm331.0000°; P -3.6100,Plg86.0000° ,Azm103.0000° $M_0$3.60000×10^{16}
IDC III 30 14 15 42.4–1.2 15.23S 13.53W 0 4.1b,4.1
¶12635949

IDC Error ellipse: s-maj=44.2km s-min=22.7km az=147.0.
ISC IV 01 03 39 53.8–.98 21.3S–.20 11.4W–.10 16 4.1b,3.5s 16 28-80
NEIC IV 01 03 39 52.3–.79 21.34S 11.35W 10 4.5b,3.5s **¶12934263**
IDC IV 01 03 39 52.0–1.2 21.13S 11.49W 0 4.1,4.1b
ISCJB IV 01 03 39 52.2–.94 21.2S–.20 11.4W–.10 16 4.2b,3.5s
ISC Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC IV 01 20 03 06.6–.63 44.7S–.10 15.5W–.20 10 4.2b,4.0s 24 27-147
IDC IV 01 20 03 05.0–.84 44.74S 15.36W 0 4.0s,4.0 **¶12934212**
ISCJB IV 01 20 03 04.8–.59 44.72S–.09 15.5W–.20 10 4.2b,4.0s
NEIC IV 01 20 03 06.6–.43 44.70S 15.54W 10 4.7b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=22.8km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=12.4km az=6.7.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=12.0km az=101.0.
ISC IV 11 10 23 26.5–.48 49.28S–.10 8.2W–.10 10 4.2b,3.9s 48 21-153
ISCJB IV 11 10 23 24.8–.51 49.21S–.07 8.3W–.20 10 4.3b,3.8s **¶12935037**
IDC IV 11 10 23 24.9–.59 49.27S 8.22W 0 4.1,4.0
NEIC IV 11 10 23 26.4–.38 49.30S 8.22W 10 4.8b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=10.8km az=1.0.
IDC Error ellipse: s-maj=25.0km s-min=17.8km az=95.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.7km az=110.0.
IDC IV 19 22 30 02.6–5.0 48.73S 9.42W 0 4.0,3.8
¶16153097

IDC Error ellipse: s-maj=219.3km s-min=38.1km az=139.0.
IDC IV 26 04 22 30.5–1.7 26.13S 11.60W 0 4.1b,4.1
¶16154507

IDC Error ellipse: s-maj=60.2km s-min=28.1km az=99.0.
IDC V 03 18 43 10.0–2.4 13.98S 14.19W 0 3.9,3.9
¶16154874

IDC Error ellipse: s-maj=169.6km s-min=27.9km az=104.0.
ISC V 04 06 53 58.8–.65 26.9S–.10 13.6W–.10 10 4.2b,3.5s 27 30-146
IDC V 04 06 53 57.1–.80 26.95S 13.55W 0 4.4,4.3b **¶13678320**
ISCJB V 04 06 53 57.1–.64 26.9S–.10 13.5W–.10 10 4.1b,3.4s
NEIC V 04 06 53 58.7–.51 26.92S 13.53W 10 4.6b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=19.1km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=13.9km az=157.4.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=12.1km az=157.0.
ISC V 04 22 59 16.6–.46 43.6S–.10 16.16W–.09 10 4.3b,4.1s 46 29-146
ISCJB V 04 22 59 14.9–.47 43.63S–.10 16.2W–.10 10 4.2b,4.1s **¶13439330**
IDC V 04 22 59 15.2–.55 43.60S 16.13W 0 4.2,4.1s
NEIC V 04 22 59 16.8–.41 43.58S 16.21W 10 4.5b,4.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=11.3km az=11.4.
IDC Error ellipse: s-maj=18.2km s-min=15.8km az=14.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=12.3km az=151.0.
ISC V 05 02 39 60.0–.33 43.51S–.09 16.06W–.07 10 5.3b,4.3s 220 29-159
IDC V 05 02 39 58.4–.47 43.55S 16.03W 0 4.5,4.4 **¶12750587**
ISCJB V 05 02 39 58.9–.34 43.55S–.07 16.13W–.09 10 5.0b,4.2s
MOS V 05 02 39 59.4–.85 43.48S 16.07W 10 5.8b,4.2s
BJI V 05 02 40 00.3 13.40S 16.10W 10 5.4b,5.3s
NEIC V 05 02 40 00.4–.19 43.52S 16.12W 10 5.2b,5.3s
GCMT V 05 02 40 00.5–.30 44.12S 15.92W 13–1 5.0W,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=14.1km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=8.7km az=152.7.
MOS Error ellipse: s-maj=17.7km s-min=9.5km az=82.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.1km az=146.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s25,c29; s68,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.56±.18 $M_{\theta\theta}$-0.40±.13; $M_{\phi\phi}$2.96±.13; $M_{r\theta}$-3.08±.50; $M_{\theta\phi}$-0.25±.09; $M_{\phi r}$-0.39±.25; Best double couple: NP1:ϕ_s148.00000°,δ52.00000° ,λ-137.00000°. NP2:ϕ_s28.00000°,δ58.00000°,λ-47.00000°. Principal axes: T 2.9900,Plg4.0000°,Azm89.0000°; N 1.7900,Plg35.0000°,Azm182.0000° ; P -4.7700,Plg55.0000°,Azm354.0000° $M_0$3.90000×10^{16}
ISC V 05 15 39 42.4–.55 27.0S–.10 13.4W–.10 10 4.5b,3.9s 40 29-146
IDC V 05 15 39 40.6–.75 26.95S 13.40W 0 4.5,4.4b **¶13678398**
ISCJB V 05 15 39 40.7–.53 26.95S–.10 13.40W–.10 10 4.5b,3.9s
NEIC V 05 15 39 42.4–.43 26.93S 13.41W 10 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=19.2km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=12.7km az=7.6.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.2km az=189.0.
IDC V 06 01 25 59.2–4.3 27.28S 13.66W 0 4.1,4.0
¶16155429

IDC Error ellipse: s-maj=111.2km s-min=34.4km az=52.0.

ISC V 06 02 57 59.7–.45 27.0S–.10 13.38W–.08 10 4.3b,3.9s 62 29-146
ISCJB V 06 02 57 57.9–.38 26.96S–.07 13.37W–.08 10 4.3b,3.8s **¶13678421**
IDC V 06 02 57 58.1–.57 26.93S 13.38W 0 4.2,4.1
NEIC V 06 02 57 59.7–.22 26.96S 13.37W 10 4.7b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=9.9km az=144.9.
IDC Error ellipse: s-maj=18.6km s-min=16.0km az=145.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=6.3km az=147.0.
ISC V 11 12 39 19.1–.53 30.0S–.10 13.79W–.10 10 4.3b,4.1s 49 16-149
IDC V 11 12 39 17.5–.66 30.02S 13.77W 0 4.3,4.2b **¶13678747**
ISCJB V 11 12 39 17.6–.48 29.94S–.09 13.77W–.09 10 4.3b,4.0s
NEIC V 11 12 39 19.0–.35 30.01S 13.77W 10 4.2b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=18.9km az=180.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=10.7km az=146.6.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.8km az=157.0.
IDC V 11 12 41 22.9–.84 30.08S 13.84W 0 4.1,4.1
¶16155633

IDC Error ellipse: s-maj=30.1km s-min=21.6km az=5.0.
ISC V 11 14 32 30.4–.35 30.04S–.09 13.99W–.07 10 5.0b,4.7s 218 30-150
IDC V 11 14 32 28.7–.47 30.01S 13.91W 0 4.5s,4.5 **¶12794018**
BJI V 11 14 32 28.7 29.42S 14.74W 10 5.5b,5.2s
ISCJB V 11 14 32 29.0–.30 29.99S–.06 13.89W–.07 10 4.8b,4.7s
NEIC V 11 14 32 30.4–.21 30.05S 13.90W 10 5.2b,4.7s
GCMT V 11 14 32 34.6–.20 30.01S 13.75W 12 5.2W,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=12.5km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.8km az=35.8.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.1km az=148.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c60; s86,c142; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.51±.16 $M_{\theta\theta}$-0.60±.16; $M_{\phi\phi}$7.11±.13; $M_{r\theta}$-0.69±.55; $M_{\theta\phi}$-2.02±.13; $M_{\phi r}$0.72±.41; Best double couple: NP1:ϕ_s351.00000°,δ42.00000°,λ-82.00000°. NP2:ϕ_s161.00000°,δ49.00000°,λ-97.00000°. Principal axes: T 7.6600,Plg4.0000° ,Azm256.0000°; N -1.0500,Plg5.0000°,Azm166.0000°; P -6.6100,Plg84.0000°,Azm20.0000° $M_0$7.10000×10^{16}
IDC V 11 19 31 47.5–1.3 27.10S 13.36W 0 4.0,3.9b
¶16155648

IDC Error ellipse: s-maj=47.6km s-min=31.3km az=162.0.
IDC V 14 02 04 03.3–1.3 35.70S 17.39W 0 4.1,4.1b
¶16155729

IDC Error ellipse: s-maj=37.1km s-min=22.1km az=4.0.
ISC V 14 02 32 17.3–.56 35.4S–.10 17.5W–.10 10 4.0b,3.9s 30 32-152
ISCJB V 14 02 32 15.5–.52 35.4S–.10 17.5W–.10 10 4.0b,3.8s **¶13678914**
IDC V 14 02 32 15.8–.66 35.35S 17.55W 0 4.0,4.0b
NEIC V 14 02 32 17.4–.44 35.34S 17.52W 10 4.7b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=12.4km az=169.0.
IDC Error ellipse: s-maj=19.1km s-min=17.0km az=144.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=11.4km az=170.0.
ISC V 19 03 26 23.4–.37 47.37S–.09 13.49W–.08 10 4.5b,4.2s 105 25-156
ISCJB V 19 03 26 21.8–.40 47.33S–.08 13.4W–.10 10 4.4b,4.2s **¶12838179**
IDC V 19 03 26 21.6–.51 47.34S 13.39W 0 4.4,4.4b
BJI V 19 03 26 23.3 47.30S 13.30W 10 5.5b,5.3s
NEIC V 19 03 26 23.3–.26 47.35S 13.37W 10 5.0b,5.3s
GCMT V 19 03 26 23.9–.30 47.77S 13.26W 15–1 4.9W,5.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=10.0km az=149.7.
IDC Error ellipse: s-maj=17.0km s-min=15.2km az=106.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.7km az=162.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s24,c28; s73,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.10±.23 $M_{\theta\theta}$0.03±.13; $M_{\phi\phi}$3.07±.16; $M_{r\theta}$-1.32±.41; $M_{\theta\phi}$0.03±.09; $M_{\phi r}$-0.01±.25; Best double couple: NP1:ϕ_s162.00000°,δ48.00000°,λ-117.00000°. NP2:ϕ_s20.00000°,δ49.00000°,λ-63.00000°. Principal axes: T 3.0700,Plg0.0000° ,Azm91.0000°; N 0.5100,Plg20.0000°,Azm181.0000°; P -3.5800,Plg70.0000°,Azm0.0000° $M_0$3.30000×10^{16}
IDC V 20 07 20 03.0–1.0 44.66S 15.74W 0 4.3,4.3b
¶16155940

IDC Error ellipse: s-maj=40.0km s-min=30.3km az=50.0.
ISC V 27 02 50 23.6–.33 33.11S–.08 15.97W–.06 10 5.1b,4.5s 237 31-153
IDC V 27 02 50 21.7–.46 33.13S 15.93W 0 4.7,4.6 **¶14264766**
ISCJB V 27 02 50 22.0–.26 33.13S–.06 15.92W–.06 10 5.0b,4.5s
BJI V 27 02 50 23.8 33.10S 15.90W 10 5.4b,5.2s
NEIC V 27 02 50 23.6–.16 33.07S 15.95W 10 5.1b,5.2s
GCMT V 27 02 50 27.9–.20 33.13S 15.69W 12 5.0W,5.2s
SZGRF V 27 02 50 29.2 31.96S 17.87W 33 5.2b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=12.5km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.9km az=144.2.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.5km az=149.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s35,c40; s91,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}4.29±.09 $M_{\theta\theta}$-1.11±.11; $M_{\phi\phi}$-3.18±.09; $M_{r\theta}$0.65±.42; $M_{\theta\phi}$-0.61±.10; $M_{\phi r}$1.37±.38; Best double couple: NP1:ϕ_s193.00000°,δ34.00000°,λ86.00000°. NP2:ϕ_s18.00000°,δ56.00000°,λ93.00000°. Principal axes: T 4.5800,Plg79.0000° ,Azm299.0000°; N -0.9500,Plg2.0000°,Azm197.0000°; P -3.6300,Plg11.0000° ,Azm106.0000° $M_0$4.10000×10^{16}
SZGRF Southern Mid-Atlantic Ridge.
IDC V 29 10 12 07.1–4.0 22.44S 12.43W 0 4.3,4.3b
¶16156304

IDC Error ellipse: s-maj=111.2km s-min=37.5km az=67.0.
ISC V 31 09 00 38.8–.39 47.14S–.08 10.88W–.07 10 4.7b,4.1s 83 24-152
IDC V 31 09 00 36.6–.47 46.98S 10.88W 0 4.5,4.4 **¶12941944**
ISCJB V 31 09 00 37.5–.35 47.11S–.06 10.92W–.10 10 4.5b,4.1s
INMG V 31 09 00 38.6 47.05S 10.86W 10 4.7b,4.1s
NEIC V 31 09 00 38.6–.30 47.05S 10.86W 10 4.7b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=12.0km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=8.8km az=38.7.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.8km az=151.0.
ISC VI 07 17 48 39.5–.34 36.52S–.08 20.14W–.08 10 5.1b,4.1s 288 32-156
MOS VI 07 17 48 38.4–1.0 36.71S 19.99W 10 5.4b,4.1s **¶12952873**
ISCJB VI 07 17 48 38.7–.27 36.60S–.06 20.27W–.08 10 5.0b,4.1s
IDC VI 07 17 48 38.1–.43 36.51S 20.29W 0 4.6,4.6
NEIC VI 07 17 48 39.2–.27 36.70S 20.07W 10 5.2b,4.6
SZGRF VI 07 17 48 42.7 36.18S 20.70W 31 5.4b,4.6
BJI VI 07 17 48 44.1 36.50S 20.20W 26 5.5s,5.4b
ISC Event type se.
MOS Error ellipse: s-maj=17.2km s-min=7.1km az=74.7.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.8km az=27.5.
IDC Error ellipse: s-maj=14.4km s-min=13.7km az=161.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.2km az=129.0.
SZGRF Southern Mid-Atlantic Ridge.
ISC VI 11 08 55 04.1–.34 24.97S–.08 13.70W–.06 14 4.8b,4.6s 151 12-153
IDC VI 11 08 55 01.6–.39 24.95S 13.66W 0 4.6,4.6 **¶13196190**
ISCJB VI 11 08 55 02.3–.28 24.96S–.05 13.63W–.06 14 4.7b,4.5s
NEIC VI 11 08 55 03.6–.25 24.97S 13.62W 10 5.0b,4.5s
BJI VI 11 08 55 03.7 25.10S 13.60W 10 5.7b,5.2s
GCMT VI 11 08 55 07.8–.10 24.97S 13.59W 12 5.3W,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=10.4km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=7.0km az=139.3.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=147.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s72,c109; s99,c185; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s257.00000°,δ79.00000°,λ-3.00000°. NP2:ϕ_s348.00000°,δ87.00000°,λ-169.00000°. Principal axes: T 1.1900,Plg5.0000° ,Azm122.0000°; N -0.1800,Plg79.0000°,Azm4.0000°; P -1.0100,Plg10.0000°,Azm213.0000° $M_0$1.10000×10^{17}
ISC VI 17 21 17 56.6–.82 49.8S–.10 9.0W–.20 10 4.3b,3.8s 16 22-153
ISCJB VI 17 21 17 54.7–.86 49.8S–.10 9.0W–.30 10 4.2b,3.8s **¶13681558**
IDC VI 17 21 17 54.7–.98 49.86S 8.93W 0 4.2,3.9
NEIC VI 17 21 17 56.1–.60 49.80S 8.86W 10 4.5b,3.9

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.8km s-min=16.0km az=162.6.
IDC Error ellipse: s-maj=35.1km s-min=28.1km az=80.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=12.2km az=68.0.

ISC	**VI**	**25 12 34 19.1–.66**	**23.83S–.06**	**13.45W–.06**	**19–2**	**5.2b,4.8s**	**484**	**28-153**
BJI	VI	25 12 34 15.4	23.80S	13.50W	10	5.5b,5.3s		**¶13256749**
IDC	VI	25 12 34 16.2–.36	23.85S	13.41W	0	4.7s,4.7		
MOS	VI	25 12 34 16.4–.85	23.72S	13.48W	10	5.4b,4.8s		
NEIC	VI	25 12 34 17.8–.16	23.81S	13.43W	10	5.3b,4.8s		
ISCJB	VI	25 12 34 18.3–.25	23.71S–.05	13.49W–.05	21	5.0b,4.8s		
TEH	VI	25 12 34 18.0	23.76S	13.53W	10	5.2L,4.8s		
GCMT	VI	25 12 34 19.1–.20	23.90S	13.34W	12	5.3W,4.8s		
SZGRF	VI	25 12 34 24.4	22.96S	11.76W	24	5.2b,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=10.3km az=158.0.
MOS Error ellipse: s-maj=12.7km s-min=5.4km az=73.2.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.2km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=6.2km az=139.4.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves from 101 sta. Moment Tensor Solution. s60,c86; s99,c182; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04±.02 $M_{\theta\theta}$0.15±.02; $M_{\phi\phi}$0.89±.02; $M_{r\theta}$-0.33±.05; $M_{\theta\phi}$-0.28±.01; $M_{\phi r}$0.17±.05; Best double couple: NP1: ϕ_s353.00000°,δ39.00000°,λ-71.00000°. NP2:ϕ_s149.00000°,δ54.00000°,λ-105.00000°. Principal axes: T 1.0200,Plg8.0000°,Azm249.0000°; N 0.1100,Plg12.0000°,Azm158.0000° ; P -1.1300,Plg76.0000°,Azm12.0000° $M_0$1.10000×10^{17}
SZGRF Southern Mid-Atlantic Ridge.

ISC	**VI**	**27 15 45 49.0–.23**	**33.00S–.05**	**15.92W–.05**	**10**	**5.5b,5.3s**	**877**	**19-163**
IDC	VI	27 15 45 47.9–.35	33.10S	15.92W	0	5.2,5.2		**¶13383579**
ISCJB	VI	27 15 45 47.9–.20	33.15S–.04	15.99W–.04	10	5.4b,5.2s		
MOS	VI	27 15 45 48.3–.93	33.10S	15.87W	10	5.7b,5.0s		
NEIC	VI	27 15 45 49.1–.21	33.20S	15.94W	13	5.6b,5.6W		
TEH	VI	27 15 45 49.0	33.01S	15.97W	10	5.5L,5.6W		
DJA	VI	27 15 45 52.4–.80	33S–11	16W–12	15	5.8b,5.4		
BJI	VI	27 15 45 52.0	33.00S	16.00W	30	5.7s,5.5b		
GCMT	VI	27 15 45 55.0–.10	33.09S	15.78W	12	5.5W,5.5b		
SZGRF	VI	27 15 45 57.3	32.50S	14.24W	33	5.5b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=13.1km s-min=10.9km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.2km az=167.2.
MOS Error ellipse: s-maj=13.3km s-min=5.0km az=74.6.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.9km az=139.0. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84 $M_{\theta\theta}$2.73 $M_{\phi\phi}$-1.89 $M_{r\theta}$-0.36 $M_{\theta\phi}$-1.43 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s241.00000°,δ89.00000°,λ174.00000°. NP2:ϕ_s331.00000° ,δ84.00000°,λ1.00000°. Principal axes: T 3.1700,Plg4.0000°,Azm195.0000° ; N -0.8600,Plg83.0000°,Azm52.0000°; P -2.3000,Plg3.0000°,Azm286.0000° $M_0$2.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=211, per= 50. Moment Tensor Solution. s78,c123; s62,c68; Moment tensor: Scale 10^{17}Nm; M_{rr}2.71±.03 $M_{\theta\theta}$-0.69±.03; $M_{\phi\phi}$-2.03±.03; $M_{r\theta}$-0.24±.07; $M_{\theta\phi}$-0.44±.02; $M_{\phi r}$-0.69±.07; Best double couple: NP1:ϕ_s16.00000°,δ37.00000°,λ89.00000°. NP2:ϕ_s197.00000°,δ53.00000°,λ91.00000°. Principal axes: T 2.8200,Plg82.0000°,Azm110.0000°; N -0.5600,Plg0.0000°,Azm17.0000° ; P -2.2700,Plg8.0000°,Azm287.0000° $M_0$2.50000×10^{17}
SZGRF Southern Mid-Atlantic Ridge.

ISC	**VI**	**30 06 56 16.6–.36**	**16.84S–.08**	**14.43W–.08**	**10**	**4.8b,4.1s**	**203**	**24-149**
ISCJB	VI	30 06 56 15.0–.32	16.80S–.06	14.37W–.07	10	4.6b,4.0s		**¶13307373**
MOS	VI	30 06 56 15.0–.67	16.76S	14.43W	10	5.2b,4.0s		
IDC	VI	30 06 56 15.0–.43	16.84S	14.41W	0	4.5,4.4		
NEIC	VI	30 06 56 16.7–.19	16.84S	14.40W	10	5.1b,4.4		
BJI	VI	30 06 56 17.1	16.80S	14.50W	10	5.4b,5.2s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.6km az=40.3.
MOS Error ellipse: s-maj=16.4km s-min=6.9km az=74.0.
IDC Error ellipse: s-maj=17.4km s-min=11.6km az=126.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=129.0.

(411) Tristan da Cunha region.

NEIC	**I**	**19 09 11 33.6–.93**	**38.95S**	**15.76W**	**10**	**4.5b**		
								¶13989169

NEIC Event type se. Error ellipse: s-maj=54.9km s-min=14.6km az=157.0.

ISC	**I**	**19 09 19 06.6–.49**	**38.9S–.10**	**15.82W–.08**	**10**	**4.3b,4.2s**	**51**	**3-151**
IDC	I	19 09 19 05.5–.72	38.86S	15.92W	0	4.3s,4.3		**¶12081738**
NEIC	I	19 09 19 06.9–.51	38.79S	15.88W	10	4.8b,4.3		

ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=16.1km az=163.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=10.4km az=164.0.

ISC	**I**	**19 10 27 12.4–.49**	**39.0S–.10**	**15.71W–.09**	**10**	**4.9s,4.4b**	**48**	**30-151**
ISCJB	I	19 10 27 10.5–.45	38.99S–.10	15.69W–.09	10	4.8s,4.4b		**¶11671790**
IDC	I	19 10 27 11.2–.58	38.93S	15.75W	0	4.8s,4.8		
NEIC	I	19 10 27 12.4–.40	38.96S	15.71W	10	4.9b,4.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=10.5km az=177.0.
IDC Error ellipse: s-maj=19.4km s-min=15.2km az=159.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.8km az=173.0.

ISC	**I**	**19 10 37 50.8–.51**	**39.0S–.10**	**15.9W–.10**	**10**	**4.7s,4.5b**	**36**	**30-151**
ISCJB	I	19 10 37 48.9–.48	39.00S–.09	15.8W–.10	10	4.8s,4.4b		**¶11671791**
IDC	I	19 10 37 49.6–.84	39.00S	15.91W	0	4.8s,4.7		
NEIC	I	19 10 37 50.7–.40	38.97S	15.86W	10	4.7b,4.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=11.8km az=168.9.
IDC Error ellipse: s-maj=29.0km s-min=20.3km az=169.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.9km az=171.0.

ISC	**I**	**19 15 10 21.4–.52**	**39.02S–.10**	**15.9W–.10**	**10**	**4.5s,4.3b**	**32**	**3-149**
ISCJB	I	19 15 10 19.7–.50	39.01S–.08	15.9W–.10	10	4.6s,4.2b		**¶12081767**
IDC	I	19 15 10 20.5–1.1	38.97S	15.96W	0	4.5s,4.5		
NEIC	I	19 15 10 21.3–.54	39.01S	15.87W	10	4.9b,4.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=10.8km az=28.5.
IDC Error ellipse: s-maj=36.0km s-min=21.3km az=139.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=11.7km az=150.0.

IDC	**III**	**18 17 49 14.0–.84**	**34.34S**	**15.13W**	**0**	**4.0,4.0**		
								¶12703605

IDC Error ellipse: s-maj=31.9km s-min=24.3km az=124.0.

(412) Bouvet Island region.

ISC	**III**	**02 05 23 39.9–.65**	**54.8S–.10**	**1.3W–.20**	**10**	**4.5b,3.8s**	**27**	**16-146**
ISCJB	III	02 05 23 38.3–.70	54.71S–.08	1.2W–.30	10	4.4b,3.8s		**¶12702238**
IDC	III	02 05 23 38.4–.76	54.76S	1.14W	0	4.4,4.3		
NEIC	III	02 05 23 39.9–.48	54.77S	1.22W	10	4.5b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.3km s-min=11.9km az=174.3.
IDC Error ellipse: s-maj=32.9km s-min=20.0km az=78.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=12.9km az=76.0.

ISC	**IV**	**18 09 45 25.9–.75**	**53.6S–.10**	**2.9E–.20**	**10**	**3.9b,3.9s**	**15**	**18-147**
ISCJB	IV	18 09 45 24.3–.71	53.59S–.08	2.8E–.30	10	3.9s,3.8b		**¶16152979**
IDC	IV	18 09 45 24.4–.81	53.68S	2.87E	0	4.1L,4.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.5km s-min=11.5km az=1.2.
IDC Error ellipse: s-maj=27.5km s-min=20.1km az=87.0.

ISC	**VI**	**16 20 00 09.3–.97**	**54.8S–.10**	**5.0E–.20**	**10**	**4.3b**	**19**	**17-163**
IDC	VI	16 20 00 07.5–1.3	54.58S	5.20E	0	4.1,4.0		**¶13681500**
ISCJB	VI	16 20 00 08.2–.96	54.85S–.10	4.9E–.30	10	4.2b,4.0		
NEIC	VI	16 20 00 08.8–.90	54.63S	5.21E	10	4.6b,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=49.2km s-min=24.3km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=24.3km s-min=14.2km az=174.2.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=17.2km az=60.0.

ISC	**VI**	**16 20 05 58.4–.20**	**54.40S–.04**	**5.87E–.05**	**16**	**5.9s,5.7b**	**579**	**17-168**
MOS	VI	16 20 05 56.2–1.5	54.36S	5.82E	10	5.8s,5.6b		**¶13197177**
IDC	VI	16 20 05 56.2–.33	54.34S	5.93E	0	5.9s,5.9		
NEIC	VI	16 20 05 57.0–.16	54.37S	5.87E	10	6.1W,6.1W		
BJI	VI	16 20 05 56.1	54.40S	5.80E	20	6.1s,5.9b		
ISCJB	VI	16 20 05 57.0–.17	54.36S–.03	5.86E–.07	16	5.9s,5.6b		

DJA	VI	16 20 05 58.7–.70	54S–7.0	6E–21	10	6.4,6.1b		
TEH	VI	16 20 05 58.0	54.36S	5.81E	10	6.0L,6.1b		
GCMT	VI	16 20 06 01.7–.10	54.37S	6.32E	12	6.1W,6.1b		

ISC Event type se.
MOS Error ellipse: s-maj=17.8km s-min=8.1km az=89.2.
IDC Error ellipse: s-maj=13.0km s-min=11.6km az=100.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.6km az=102.0. Moment Tensor Solution. s23 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.30 $M_{\theta\theta}$1.89 $M_{\phi\phi}$-1.58 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.42 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s128.00000°,δ90.00000°,λ0.00000°. NP2:ϕ_s218.00000° ,δ90.00000°,λ-180.00000°. Principal axes: T 1.9400,Plg0.0000°,Azm173.0000° ; N -0.3000,Plg89.0000°,Azm300.0000°; P -1.6300,Plg0.0000°,Azm83.0000° $M_0$1.80000×10^{18}
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.8km az=23.5.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 101 sta. Surface waves: sta=125, comp=282, per= 50. Moment Tensor Solution. s114,c251; s99,c171; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.31±.01 $M_{\theta\theta}$2.11±.01; $M_{\phi\phi}$-1.80±.01; $M_{r\theta}$0.06±.03; $M_{\theta\phi}$0.53±.01; $M_{\phi r}$-0.01±.03; Best double couple: NP1:ϕ_s37.00000°,δ89.00000°,λ179.00000°. NP2:ϕ_s127.00000°,δ89.00000°,λ1.00000°. Principal axes: T 2.1800,Plg1.0000° ,Azm352.0000°; N -0.3200,Plg88.0000°,Azm151.0000°; P -1.8700,Plg1.0000° ,Azm262.0000° $M_0$2.00000×10^{18}

IDC	**VI**	**25 13 04 12.0–.98**	**55.38S**	**1.28W**	**0**	**4.2,4.1**		
								¶16101717

IDC Error ellipse: s-maj=31.4km s-min=20.3km az=67.0.

(413) Southwest of Africa.

IDC	**I**	**02 00 01 06.3–1.8**	**54.04S**	**11.28E**	**0**	**4.1,4.0b**		
								¶12079788

IDC Error ellipse: s-maj=75.7km s-min=46.0km az=96.0.

ISC	**I**	**07 23 02 45.3–.59**	**53.11S–.08**	**9.7E–.10**	**10**	**4.5b,3.9s**	**30**	**18-163**
ISCJB	I	07 23 02 43.7–.50	53.09S–.06	9.6E–.20	10	4.5b,4.0s		**¶12080691**
IDC	I	07 23 02 44.2–.99	53.07S	9.62E	0	4.4,4.4		
NEIC	I	07 23 02 45.5–.44	53.06S	9.54E	10	4.8b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=8.6km az=10.8.
IDC Error ellipse: s-maj=33.1km s-min=18.9km az=118.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=9.5km az=105.0.

IDC	**I**	**08 09 11 30.6–.95**	**52.42S**	**12.97E**	**0**	**4.0,3.9**		
								¶12080724

IDC Error ellipse: s-maj=34.7km s-min=24.5km az=82.0.

ISC	**I**	**08 22 47 01.9–.45**	**53.29S–.07**	**9.4E–.10**	**10**	**4.5b,4.2s**	**48**	**18-163**
ISCJB	I	08 22 46 59.9–.40	53.24S–.06	9.2E–.10	10	4.5b,4.2s		**¶12080788**
IDC	I	08 22 47 00.5–.60	53.24S	9.42E	0	4.4,4.4		
NEIC	I	08 22 47 01.7–.37	53.26S	9.29E	10	4.8b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=7.6km az=15.6.
IDC Error ellipse: s-maj=21.2km s-min=17.0km az=97.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.9km az=112.0.

ISC	**II**	**24 22 45 54.3–.97**	**53.0S–.20**	**9.9E–.20**	**12**	**4.3b,3.7s**	**15**	**20-163**
ISCJB	II	24 22 45 52.9–.80	52.9S–.10	9.7E–.30	12	4.3b,3.7s		**¶15957188**
IDC	II	24 22 45 52.1–1.3	53.02S	9.96E	0	4.4,4.3b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.6km s-min=12.3km az=23.2.
IDC Error ellipse: s-maj=48.3km s-min=20.5km az=136.0.

IDC	**III**	**10 00 48 14.4–.94**	**52.81S**	**10.52E**	**0**	**4.3,4.2b**		
								¶12702830

IDC Error ellipse: s-maj=39.1km s-min=21.9km az=74.0.

IDC	**IV**	**25 05 29 03.5–1.1**	**52.36S**	**13.59E**	**0**	**4.0,3.9**		
								¶16153366

IDC Error ellipse: s-maj=48.3km s-min=23.1km az=77.0.

IDC	**V**	**31 16 38 06.2–1.7**	**52.48S**	**12.48E**	**0**	**4.1,3.9b**		
								¶16066125

IDC Error ellipse: s-maj=71.3km s-min=36.5km az=41.0.

ISC	**VI**	**08 23 31 26.3–.62**	**52.41S–.10**	**13.6E–.20**	**10**	**4.2b,3.3s**	**27**	**18-151**
ISCJB	VI	08 23 31 24.3–.59	52.40S–.08	13.6E–.20	10	4.1b,3.2s		**¶13107607**
IDC	VI	08 23 31 24.9–.75	52.39S	13.51E	0	4.2,4.1b		
NEIC	VI	08 23 31 26.2–.44	52.41S	13.56E	10	4.4b,4.1b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=11.9km az=171.9.
IDC Error ellipse: s-maj=26.4km s-min=18.4km az=73.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.1km az=87.0.

(738) Reykjanes Ridge.

ISC	**I**	**22 14 34 28.6–.35**	**53.06N–.07**	**35.14W–.05**	**10**	**5.0s,4.8b**	**535**	**16-149**
IDC	I	22 14 34 26.9–.44	53.04N	35.13W	0	4.4,4.3b		**¶11616384**
ISCJB	I	22 14 34 27.0–.21	53.07N–.05	35.06W–.04	10	4.9s,4.7b		
NEIC	I	22 14 34 28.6–.23	53.03N	35.10W	10	5.0b,4.7b		
CSEM	I	22 14 34 28.6–.12	53.10N	35.16W	10	4.9b,4.7b		
BJI	I	22 14 34 29.5	54.15N	35.78W	10	5.3s,5.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=9.6km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.2km az=176.1.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.2km az=177.0.
CSEM Event type ke.

IDC	**I**	**22 14 37 23.6–1.1**	**52.92N**	**35.18W**	**0**	**3.9,3.8**		
								¶12082060

IDC Error ellipse: s-maj=35.7km s-min=17.5km az=17.0.

ISC	**II**	**21 15 21 38.2–.71**	**55.3N–.20**	**35.37W–.08**	**10**	**4.0b,3.5s**	**41**	**14-147**
ISCJB	II	21 15 21 36.7–.65	55.3N–.10	35.3W–.10	10	3.9b,3.6s		**¶12701440**
IDC	II	21 15 21 36.9–.86	55.28N	35.36W	0	4.0,3.9		
NEIC	II	21 15 21 38.3–.56	55.28N	35.35W	10	4.6b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=8.6km az=11.4.
IDC Error ellipse: s-maj=28.2km s-min=13.2km az=17.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=8.0km az=191.0.

ISC	**II**	**21 15 40 44.5–.47**	**55.44N–.06**	**35.10W–.04**	**18–1**	**4.7b,4.2s**	**698**	**12-147**
SZGRF	II	21 15 39 37.7	51.25N	46.10W	10	4.8b,4.1s		**¶11713365**
BJI	II	21 15 40 34.9	55.30N	37.00W	10	5.5b,5.2s		
IDC	II	21 15 40 41.4–.43	55.40N	35.09W	0	4.4,4.4		
MOS	II	21 15 40 41.0–1.3	55.36N	35.13W	10	5.0b,4.2s		
CSEM	II	21 15 40 42.8–.12	55.47N	35.04W	8	5.1W,4.8b		
ISCJB	II	21 15 40 42.5–2.6	55.52N–.04	34.99W–.03	15–19	4.6b,4.2s		
NEIC	II	21 15 40 43.6–.27	55.47N	35.12W	10	4.9b,4.2s		

ISC Event type ke.
SZGRF North Atlantic Ocean.
IDC Error ellipse: s-maj=13.6km s-min=9.6km az=1.0.
MOS Error ellipse: s-maj=7.4km s-min=6.0km az=145.3.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.2km az=12.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=2.6km az=6.6.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.1km az=180.0.

ISC	**II**	**21 15 46 13.4–.47**	**55.43N–.06**	**35.06W–.05**	**14–2**	**4.5b**	**517**	**14-147**
IDC	II	21 15 46 10.6–.47	55.36N	35.21W	0	4.3,4.2		**¶11713366**
MOS	II	21 15 46 11.0–1.2	55.42N	35.08W	10	4.9b,4.2		
ISCJB	II	21 15 46 11.6–.15	55.44N–.05	34.96W–.03	10	4.5b,4.3s		
NEIC	II	21 15 46 12.9–.31	55.37N	35.06W	10	4.7b,4.3s		
CSEM	II	21 15 46 12.8–.15	55.40N	35.06W	10	4.7b,3.8s		
BJI	II	21 15 46 15.2	56.59N	34.72W	10	5.1s,5.1b		

ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=11.0km az=8.0.
MOS Error ellipse: s-maj=9.0km s-min=8.4km az=109.5.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=2.5km az=5.7.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.1km az=184.0.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.8km az=9.0.

IDC	**II**	**21 15 55 25.9–1.1**	**55.39N**	**35.09W**	**0**	**3.8,3.6**		
								¶15956885

IDC Error ellipse: s-maj=41.2km s-min=19.5km az=17.0.

ISC	**II**	**21 16 53 35.7–.39**	**55.51N–.07**	**35.03W–.05**	**14**	**4.5b**	**262**	**17-147**
IDC	II	21 16 53 33.2–.55	55.40N	35.14W	0	4.0,4.0		**¶11713368**
ISCJB	II	21 16 53 34.0–.22	55.43N–.06	35.01W–.05	14	4.8s,4.4b		
NEIC	II	21 16 53 34.9–.22	55.44N	35.03W	10	4.7b,4.4b		
CSEM	II	21 16 53 34.7–.13	55.48N	35.03W	10	4.6b,4.4b		
BJI	II	21 16 53 34.5	56.34N	35.44W	6	5.2b,5.0s		

ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=11.2km az=18.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=3.7km az=11.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.7km az=190.0.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=4.4km az=10.0.
ISC II 21 16 53 55.1–.35 55.48N–.05 35.15W–.03 15–1 5.0b,5.0s 1209 12-147
SZGRF II 21 16 53 24.8 55.09N 41.63W 10 5.2b,4.9s **¶12701449**
BJI II 21 16 53 51.4 55.50N 35.00W 10 5.4b,5.2s
MOS II 21 16 53 52.6–.95 55.50N 35.10W 10 5.3b,4.8s
IDC II 21 16 53 52.4–.39 55.42N 35.12W 0 5.1,5.1s
ISCJB II 21 16 53 53.7–.10 55.52N–.03 35.09W–.02 14 4.9s,4.9b
NEIC II 21 16 53 54.4–.16 55.45N 35.07W 10 5.1b,4.9b
CSEM II 21 16 53 54.4–.07 55.55N 35.09W 10 5.4W,5.1b
BGS II 21 16 53 54.2–2.2 55.13N 35.18W 10 4.8s,4.8b
ISC Event type ke.
SZGRF North Atlantic Ocean.
MOS Error ellipse: s-maj=6.3km s-min=5.1km az=153.8.
IDC Error ellipse: s-maj=12.8km s-min=8.8km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=1.5km az=4.4.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=2.8km az=185.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=2.4km az=6.0.
BGS Error ellipse: s-maj=51.6km s-min=202.4km az=-1.0.
IDC II 21 17 54 22.9–1.2 55.14N 35.54W 0 3.8,3.6
¶15956890
IDC Error ellipse: s-maj=48.4km s-min=19.2km az=30.0.
IDC II 25 13 57 08.1–1.3 55.27N 35.16W 0 3.6,3.5
¶15957249
IDC Error ellipse: s-maj=45.7km s-min=21.1km az=19.0.
IDC III 13 02 53 09.4–1.2 52.97N 35.25W 0 3.7,3.5b
¶12703136
IDC Error ellipse: s-maj=40.1km s-min=22.4km az=26.0.
IDC III 14 02 18 57.9–1.3 53.25N 35.10W 0 3.6,3.4
¶12703211
IDC Error ellipse: s-maj=53.9km s-min=21.0km az=35.0.
ISC III 14 02 46 24.6–.52 53.1N–.10 34.99W–.07 13 4.2b 83 16-149
ISCJB III 14 02 46 22.9–.37 53.05N–.09 34.97W–.07 13 4.2b,3.5s **¶12703214**
IDC III 14 02 46 22.9–.63 53.10N 34.98W 0 4.1,4.0
NEIC III 14 02 46 24.2–.30 53.04N 34.99W 10 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=5.7km az=179.3.
IDC Error ellipse: s-maj=20.2km s-min=11.7km az=7.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.8km az=181.0.
IDC III 14 02 55 58.7–.95 53.59N 34.43W 0 3.7,3.6
¶12703216
IDC Error ellipse: s-maj=31.2km s-min=17.4km az=9.0.
ISC III 14 02 57 01.7–.68 53.0N–.10 35.11W–.08 13 4.2b,3.6s 54 16-150
IDC III 14 02 56 59.6–.88 53.02N 35.14W 0 4.0,3.9 **¶12703217**
ISCJB III 14 02 57 00.1–.47 53.1N–.10 35.06W–.08 13 4.1b,3.5s
NEIC III 14 02 57 01.3–.31 53.03N 35.06W 10 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=14.2km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=7.2km az=4.4.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.1km az=185.0.
IDC III 14 05 59 59.1–1.1 53.90N 35.32W 0 3.6s,3.6
¶12703229
IDC Error ellipse: s-maj=47.2km s-min=19.2km az=29.0.
IDC III 14 09 51 19.9–.82 53.82N 35.32W 0 3.8,3.7
¶12703244
IDC Error ellipse: s-maj=33.1km s-min=16.6km az=13.0.
IDC III 14 09 58 48.4–.94 53.90N 35.43W 0 3.7,3.5b
¶12703245
IDC Error ellipse: s-maj=32.6km s-min=18.2km az=10.0.
ISC III 16 15 22 40.6–.36 55.64N–.07 35.02W–.04 14 4.8s,4.7b 529 11-147
SZGRF III 16 15 22 25.6 53.93N 38.21W 33 4.5b,4.7b **¶12025685**
ISCJB III 16 15 22 38.6–.15 55.59N–.05 34.99W–.03 14 4.8s,4.6b
IDC III 16 15 22 38.1–.48 55.61N 34.93W 0 4.6s,4.6
BJI III 16 15 22 38.4 56.22N 35.72W 11 5.4b,5.1s
CSEM III 16 15 22 38.3–.13 55.66N 34.97W 2 4.8b,5.1s
MOS III 16 15 22 38.0–.91 55.64N 34.96W 10 4.9b,5.1s
NEIC III 16 15 22 39.8–.22 55.63N 34.96W 10 4.8b,5.1s
ISC Event type ke.
SZGRF North Atlantic Ocean.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=2.4km az=1.0.
IDC Error ellipse: s-maj=15.8km s-min=9.9km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=4.0km az=7.0.
MOS Error ellipse: s-maj=9.0km s-min=7.3km az=138.5.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=3.7km az=189.0.
IDC III 21 14 32 09.9–1.2 55.49N 35.14W 0 3.6,3.5
¶12635191
IDC Error ellipse: s-maj=44.1km s-min=21.3km az=16.0.
ISC III 21 22 06 23.2–.42 55.60N–.08 35.06W–.05 14 4.4b,3.6s 468 14-147
BJI III 21 22 06 19.8 55.50N 35.10W 10 5.1b,4.9s **¶12054523**
MOS III 21 22 06 20.8–.79 55.48N 35.07W 11 4.6b,4.9s
CSEM III 21 22 06 21.1–.12 55.55N 35.05W 2 4.4b,3.5s
ISCJB III 21 22 06 21.5–.17 55.48N–.06 35.03W–.03 14 4.4b,3.7s
IDC III 21 22 06 21.0–.59 55.50N 35.12W 0 4.3,4.2
NEIC III 21 22 06 22.6–.20 55.49N 35.05W 10 4.5b,4.2
ISC Event type ke.
MOS Error ellipse: s-maj=10.9km s-min=8.9km az=139.9.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=3.6km az=7.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=2.6km az=0.1.
IDC Error ellipse: s-maj=19.2km s-min=10.1km az=5.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.1km az=8.0.
ISC III 21 23 55 30.4–.58 55.5N–.10 35.07W–.06 14 4.4b,3.5s 86 12-147
ISCJB III 21 23 55 28.4–.39 55.4N–.10 35.07W–.07 14 4.4b,3.5s **¶12054945**
IDC III 21 23 55 28.1–.71 55.48N 35.14W 0 4.1,4.0
BJI III 21 23 55 28.1 55.90N 35.10W 10 5.0b,4.9s
NEIC III 21 23 55 29.6–.34 55.38N 35.05W 10 4.6b,4.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=5.5km az=8.9.
IDC Error ellipse: s-maj=23.7km s-min=12.4km az=12.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=4.9km az=9.0.
IDC III 31 06 05 23.9–1.2 58.81N 30.89W 0 3.9,3.8
¶12636008
IDC Error ellipse: s-maj=29.2km s-min=21.1km az=7.0.
IDC III 31 06 13 58.1–1.6 58.98N 30.56W 0 3.6,3.6
¶12636009
IDC Error ellipse: s-maj=37.1km s-min=30.5km az=67.0.
IDC IV 05 11 48 30.5–1.2 56.54N 34.42W 0 3.6,3.5
¶16152413
IDC Error ellipse: s-maj=38.4km s-min=20.1km az=17.0.
IDC IV 05 16 33 10.7–1.8 56.59N 34.20W 0 3.8,3.7b
¶16152420
IDC Error ellipse: s-maj=55.2km s-min=31.5km az=53.0.
ISC IV 12 01 17 08.7–.62 58.3N–.10 31.78W–.07 13 4.1b,3.4s 101 8-85
IDC IV 12 01 17 06.5–.83 58.27N 31.83W 0 4.0,3.8 **¶12668543**
ISCJB IV 12 01 17 07.1–.39 58.31N–.09 31.83W–.10 13 4.0b,3.5s
CSEM IV 12 01 17 07.8–.21 58.26N 31.84W 10 4.3b,3.1s
NEIC IV 12 01 17 08.2–.35 58.24N 31.83W 10 4.4b,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=14.2km az=18.0.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=5.8km az=19.7.
CSEM Event type ke. Error ellipse: s-maj=15.1km s-min=6.3km az=19.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.3km az=199.0.
IDC IV 12 03 53 55.1–.90 57.12N 33.53W 0 3.8,3.7
¶16152687
IDC Error ellipse: s-maj=31.7km s-min=14.8km az=14.0.
IDC IV 19 08 14 09.9–1.2 53.62N 35.26W 0 3.6,3.6L
¶16153040
IDC Error ellipse: s-maj=53.4km s-min=21.1km az=24.0.
ISC IV 19 08 18 18.3–.60 53.5N–.10 35.27W–.07 16 4.3b 165 15-149

IDC IV 19 08 18 15.9–.82 53.46N 35.32W 0 4.0s,4.0 **¶13438873**
ISCJB IV 19 08 18 16.8–.42 53.56N–.08 35.26W–.08 16 4.2b,4.1s
NEIC IV 19 08 18 17.4–.29 53.51N 35.28W 10 4.8b,4.1s
CSEM IV 19 08 18 17.2–.15 53.53N 35.27W 10 4.5b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=12.5km az=15.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=5.3km az=19.7.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=3.8km az=200.0.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=3.9km az=17.0.
ISC IV 19 08 19 21.5–.44 53.46N–.09 35.28W–.06 16 4.7s,4.6b 185 13-149
GCMT IV 19 08 19 18.9–.30 53.54N 35.29W 12 5.0W,4.6b **¶12731762**
IDC IV 19 08 19 19.0–.56 53.44N 35.24W 0 4.2,4.2s
NEIC IV 19 08 19 20.9–.28 53.46N 35.33W 10 4.7b,4.2s
ISCJB IV 19 08 19 20.1–.25 53.48N–.07 35.33W–.05 16 4.3b,4.2s
CSEM IV 19 08 19 20.7–.10 53.47N 35.32W 10 5.0W,4.7b
BJI IV 19 08 19 42.0 53.60N 39.60W 10 5.2b,5.1s
ISC Event type ke.
GCMT Event type se. Data Used: II IU CN G. Moment Tensor Solution. s19,c22; s55,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.05±.15 $M_{\theta\theta}$-0.55±.18; $M_{\phi\phi}$3.60±.11; $M_{r\theta}$-1.99±.68; $M_{\theta\phi}$0.71±.12; $M_{\phi r}$0.99±.46; Best double couple: NP1:ϕ_s35.00000°,δ46.00000°,λ-47.00000°. NP2:ϕ_s162.00000°,δ58.00000°,λ-126.00000°. Principal axes: T 3.7900,Plg6.0000° ,Azm276.0000°; N 0.5400,Plg30.0000°,Azm183.0000°; P -4.3400,Plg60.0000°,Azm17.0000° M_o4.10000×10^{16}
IDC Error ellipse: s-maj=18.0km s-min=11.2km az=4.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.1km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=3.9km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=3.2km az=7.0.
ISC IV 19 08 20 08.8–.35 53.50N–.08 35.30W–.05 16 4.7b,4.5s 510 13-149
MOS IV 19 08 20 06.1–.81 53.47N 35.25W 10 5.1b,4.4s **¶12731763**
IDC IV 19 08 20 06.4–.46 53.47N 35.28W 0 4.3,4.2
ISCJB IV 19 08 20 07.3–.15 53.53N–.05 35.24W–.03 16 4.6b,4.5s
CSEM IV 19 08 20 07.9–.11 53.55N 35.23W 10 4.7b,4.3s
NEIC IV 19 08 20 08.1–.19 53.51N 35.22W 10 5.0b,4.3s
ISC Event type ke.
MOS Error ellipse: s-maj=10.2km s-min=6.3km az=165.4.
IDC Error ellipse: s-maj=15.6km s-min=9.7km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=2.2km az=5.3.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=3.5km az=7.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.1km az=187.0.
ISC IV 19 19 48 54.3–.56 53.5N–.10 35.18W–.07 12 4.2b,3.3s 128 15-149
IDC IV 19 19 48 52.7–.66 53.53N 35.10W 0 3.9,3.8 **¶12731764**
ISCJB IV 19 19 48 53.0–.47 53.6N–.10 35.23W–.08 12 4.1b,3.2s
NEIC IV 19 19 48 54.2–.38 53.56N 35.22W 10 4.7b,3.2s
CSEM IV 19 19 48 54.0–.23 53.59N 35.22W 10 4.4b,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=12.3km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=6.2km az=11.1.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=5.5km az=192.0.
CSEM Event type ke. Error ellipse: s-maj=18.2km s-min=6.4km az=11.0.
ISC IV 28 19 54 36.9–.37 52.64N–.05 35.04W–.03 19–1 4.9s,4.8b 946 14-162
BJI IV 28 19 54 33.8 52.60N 35.00W 10 5.4s,5.3b **¶13439165**
IDC IV 28 19 54 33.2–.42 52.61N 34.88W 0 4.9,4.9
MOS IV 28 19 54 33.8–1.1 52.59N 35.15W 10 5.1b,4.8s
PDA IV 28 19 54 34.8 52.62N 34.95W 10 4.9b,4.8s
CSEM IV 28 19 54 35.3–.09 52.69N 35.11W 10 5.6W,4.9b
NEIC IV 28 19 54 35.0–.20 52.67N 35.03W 10 5.6W,5.4W
ISCJB IV 28 19 54 35.8–.12 52.68N–.04 35.01W–.02 19 4.9s,4.7b
GCMT IV 28 19 54 40.7–.10 52.74N 34.70W 19–0 5.6W,4.7b
ISC Event type ke.
IDC Error ellipse: s-maj=13.9km s-min=9.5km az=179.0.
MOS Error ellipse: s-maj=6.9km s-min=5.5km az=137.1.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.0km az=3.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.3km az=181.0. Moment Tensor Solution. s43 Moment tensor: Scale 10^{17}Nm; M_{rr}0.06 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$0.19 $M_{r\theta}$0.15 $M_{\theta\phi}$-1.67 $M_{\phi r}$-0.34 Best double couple: NP1:ϕ_s184.00000°,δ84.00000°,λ11.00000°. NP2:ϕ_s93.00000° ,δ79.00000°,λ174.00000°. Principal axes: T 1.7300,Plg12.0000°,Azm49.0000° ; N -0.0100,Plg77.0000°,Azm212.0000°; P -1.7200,Plg3.0000°,Azm318.0000° M_o1.70000×10^{17}
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=1.8km az=178.4.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=214, per= 50. Moment Tensor Solution. s79,c144; s48,c52; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.28±.04 $M_{\theta\theta}$-0.51±.04; $M_{\phi\phi}$0.80±.04; $M_{r\theta}$0.01±.08; $M_{\theta\phi}$-2.62±.03; $M_{\phi r}$0.42±.08; Best double couple: NP1:ϕ_s277.00000°,δ81.00000°,λ-179.00000°. NP2:ϕ_s187.00000°,δ89.00000°,λ-9.00000°. Principal axes: T 2.8800,Plg6.0000°,Azm232.0000°; N -0.2900,Plg81.0000°,Azm3.0000° ; P -2.5900,Plg7.0000°,Azm142.0000° M_o2.70000×10^{17}
IDC IV 28 22 56 32.3–1.4 52.31N 34.92W 0 3.7L,3.5
¶16154600
IDC Error ellipse: s-maj=57.3km s-min=25.7km az=18.0.
ISC IV 29 03 29 15.0–.69 52.5N–.10 32.23W–.08 13 4.0b 113 17-149
ISCJB IV 29 03 29 13.4–.59 52.6N–.10 32.28W–.10 13 3.9b **¶12756804**
IDC IV 29 03 29 13.2–.94 52.58N 32.24W 0 4.2L,3.8
NEIC IV 29 03 29 14.6–.40 52.54N 32.23W 10 4.3b,3.8
CSEM IV 29 03 29 14.4–.23 52.58N 32.22W 10 4.3b,2.7s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=7.3km az=17.0.
IDC Error ellipse: s-maj=26.5km s-min=14.0km az=20.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.1km az=197.0.
CSEM Event type ke. Error ellipse: s-maj=13.7km s-min=5.7km az=18.0.
ISC IV 29 03 31 35.5–.49 52.55N–.09 32.24W–.05 13 4.5b,3.4s 273 17-149
ISCJB IV 29 03 31 33.8–.32 52.57N–.06 32.30W–.05 13 4.3b,3.4s **¶13439174**
IDC IV 29 03 31 33.4–.71 52.53N 32.28W 0 4.2,4.1L
MOS IV 29 03 31 33.9–.80 52.68N 32.21W 10 4.7b,4.1L
CSEM IV 29 03 31 33.6–.13 52.60N 32.25W 2 4.5b,2.9s
NEIC IV 29 03 31 35.0–.23 52.52N 32.27W 10 4.7b,2.9s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.4km az=9.9.
IDC Error ellipse: s-maj=20.4km s-min=12.0km az=10.0.
MOS Error ellipse: s-maj=9.7km s-min=7.0km az=147.6.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.5km az=10.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.2km az=192.0.
ISC IV 30 00 02 59.7–.41 52.64N–.05 34.69W–.04 18–1 4.8b,4.1s 1083 14-154
BJI IV 30 00 02 54.7 52.57N 35.01W 7 5.1b,4.9b **¶13439206**
MOS IV 30 00 02 56.9–.93 52.67N 34.69W 10 5.0b,4.1s
IDC IV 30 00 02 56.5–.40 52.65N 34.69W 0 4.6,4.5
ISCJB IV 30 00 02 57.4–.10 52.68N–.03 34.72W–.02 13 4.7b,4.1s
NEIC IV 30 00 02 58.7–.10 52.66N 34.65W 10 4.9b,4.1s
CSEM IV 30 00 02 58.5–.06 52.69N 34.66W 10 4.9W,4.8b
GCMT IV 30 00 03 02.1–.20 52.82N 34.61W 17–1 4.9W,4.8b
ISC Event type ke.
MOS Error ellipse: s-maj=6.5km s-min=4.9km az=152.6.
IDC Error ellipse: s-maj=12.5km s-min=9.0km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=1.5km az=2.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=1.7km az=183.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=1.9km az=7.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s36,c42; s83,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.12 $M_{\theta\theta}$-0.61±.12; $M_{\phi\phi}$0.78±.10; $M_{r\theta}$0.71±.28; $M_{\theta\phi}$-3.00±.09; $M_{\phi r}$1.06±.28; Best double couple: NP1:ϕ_s278.00000°,δ70.00000°,λ-170.00000°. NP2:ϕ_s185.00000°,δ81.00000°,λ-20.00000°. Principal axes: T 3.2100,Plg7.0000° ,Azm233.0000°; N 0.2400,Plg68.0000°,Azm341.0000°; P -3.4500,Plg20.0000° ,Azm140.0000° M_o3.30000×10^{16}
IDC VI 11 15 34 32.2–1.3 54.59N 35.26W 0 3.6,3.4
¶16101210
IDC Error ellipse: s-maj=44.1km s-min=22.9km az=27.0.
IDC VI 11 15 54 01.2–1.3 54.50N 35.25W 0 3.7,3.6b
¶16101211
IDC Error ellipse: s-maj=40.4km s-min=23.7km az=30.0.
IDC VI 11 18 17 05.4–1.0 54.71N 35.02W 0 3.9,3.9
¶16101216
IDC Error ellipse: s-maj=30.9km s-min=15.2km az=21.0.
ISC VI 26 06 16 53.6–.57 53.17N–.09 35.36W–.05 16–2 4.5b,3.6s 221 14-149
BJI VI 26 06 16 48.8 52.88N 35.35W 7 5.0s,5.0b **¶13279147**

MOS VI 26 06 16 51.4–.85 53.20N 35.36W 10 4.7b,5.0b
ISCJB VI 26 06 16 51.8–2.8 53.18N–.08 35.37W–.05 13–18 4.4b,3.7s
IDC VI 26 06 16 51.1–.65 53.14N 35.35W 0 4.2,4.1
NEIC VI 26 06 16 53.0–.25 53.16N 35.38W 10 4.6b,4.1
CSEM VI 26 06 16 54.2–.13 53.18N 35.36W 20 4.5b,3.1s
ISC Event type ke.
MOS Error ellipse: s-maj=12.7km s-min=8.6km az=148.7.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=5.4km az=1.6.
IDC Error ellipse: s-maj=22.8km s-min=12.1km az=12.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=3.9km az=183.0.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=3.8km az=1.0.

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ISC I 01 09 30 07.1–3.0 36.72N–.09 12.1W–.10 10 199 3-10
MDD I 01 09 30 08.0–1.5 36.61N 12.07W 0 4.2b ¶12079748
IGIL I 01 09 30 08.2 36.56N 12.26W 12 3.0L
INMG I 01 09 30 09.4–1.6 36.49N 12.48W 10 2.7L
CSEM I 01 09 30 10.9–.31 36.77N 11.85W 10 3.8L
ISC Event type ke.
MDD Error ellipse: s-maj=13.3km s-min=9.6km az=52.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=88.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=45.0.
CSEM I 02 06 55 04.1–.61 36.38N 10.34W 10 2.8L
MDD I 02 06 55 03.8–2.1 36.23N 10.26W 0 2.2 ¶12079805
INMG I 02 06 55 04.8–1.0 36.09N 10.47W 31 2.0L
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=8.8km az=93.0.
MDD Error ellipse: s-maj=21.8km s-min=16.1km az=122.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=4.7km az=84.0.
ISC I 07 10 46 47.0–.87 37.59N–.09 18.41W–.09 10 3.4b 94 5-70
CNRM I 07 10 46 45.8 37.49N 18.29W 10 4.2 ¶12080631
MDD I 07 10 46 48.5–1.4 37.57N 18.40W 30 4.8b
IGIL I 07 10 46 49.2 37.56N 18.36W 10 4.1L
IDC I 07 10 46 53.0–1.0 37.20N 17.53W 0 4.6L,3.8
INMG I 07 10 46 52.6–2.2 37.56N 18.36W 10 3.8L,3.8
CSEM I 07 10 46 55.1–.42 37.77N 17.51W 10 4.7L,3.8
ISC Event type ke.
MDD Error ellipse: s-maj=17.4km s-min=7.4km az=123.0. PRXIMO.
IDC Error ellipse: s-maj=31.0km s-min=22.3km az=46.0.
INMG Event type ke. Error ellipse: s-maj=6.8km s-min=3.5km az=121.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=7.4km az=150.0.
ISC I 09 12 26 38.7–1.6 37.24N–.09 15.93W–.09 10 81 4-9
MDD I 09 12 26 41.6–2.6 37.07N 15.86W 0 3.9b ¶12080835
INMG I 09 12 26 45.1–1.1 37.30N 16.17W 10 2.7L
CSEM I 09 12 26 46.3–.43 37.56N 15.50W 10 3.9b
ISC Event type ke.
MDD Error ellipse: s-maj=36.4km s-min=11.8km az=138.0. PRXIMO SOLUCIN POBRE.
INMG Event type ke. Error ellipse: s-maj=11.4km s-min=4.4km az=125.0.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=7.1km az=8.0.
ISC I 11 23 13 23.7–3.8 37.38N–.09 14.1W–.20 10 130 4-8
MDD I 11 23 13 22.3–2.0 37.28N 14.27W 0 3.9b ¶12081074
INMG I 11 23 13 23.8–.76 37.15N 14.67W 10 2.3L
CSEM I 11 23 13 26.1–.28 37.43N 13.95W 10 2.8L
ISC Event type ke.
MDD Error ellipse: s-maj=19.5km s-min=17.6km az=166.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=122.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.9km az=31.0.
ISC I 16 01 14 11.7–3.2 37.00N–.09 12.9W–.10 10 220 3-11
MDD I 16 01 14 11.8–1.5 36.92N 12.94W 0 4.5b ¶12081398
INMG I 16 01 14 12.9–1.6 36.76N 13.36W 10 2.8L
IGIL I 16 01 14 13.1 36.96N 12.95W 0 3.1L
CSEM I 16 01 14 14.9–.29 37.02N 12.66W 10 3.6L
ISC Event type ke.
MDD Error ellipse: s-maj=13.4km s-min=12.2km az=70.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=121.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.6km az=61.0.
ISC I 16 04 07 17.2–2.8 36.89N–.08 11.0W–.10 10 194 2-9
MDD I 16 04 07 19.3–1.3 36.94N 10.94W 0 2.9 ¶12081405
IGIL I 16 04 07 20.2 36.80N 11.11W 31 2.7L
INMG I 16 04 07 20.3–.84 36.85N 10.99W 10 2.6L
CSEM I 16 04 07 20.4–.25 36.99N 10.84W 10 3.6L
ISC Event type ke.
MDD Error ellipse: s-maj=11.4km s-min=7.6km az=60.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=74.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=58.0.
ISC I 19 19 41 43.9–4.1 37.2N–.10 13.1W–.20 10 69 3-7
MDD I 19 19 41 42.7–2.5 37.17N 13.21W 0 3.8b ¶12081794
INMG I 19 19 41 43.9–.87 36.97N 13.62W 10 2.3L
CSEM I 19 19 41 44.7–.54 37.21N 13.03W 10 3.8b
ISC Event type ke.
MDD Error ellipse: s-maj=25.6km s-min=21.6km az=163.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=11.7km s-min=7.2km az=162.0.
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=10.1km az=178.0.
ISC I 20 00 50 11.4–4.3 37.3N–.10 13.3W–.20 10 62 4-8
MDD I 20 00 50 08.6–2.8 37.27N 13.56W 0 3.7b ¶12081814
INMG I 20 00 50 10.4–1.0 37.11N 13.95W 10 2.3L
CSEM I 20 00 50 11.9–.47 37.37N 13.27W 10 3.7b
ISC Event type ke.
MDD Error ellipse: s-maj=46.4km s-min=23.4km az=171.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=24.8km s-min=9.9km az=168.0.
CSEM Event type ke. Error ellipse: s-maj=16.9km s-min=8.2km az=171.0.
CSEM I 24 23 39 35.2–.95 36.88N 15.47W 10 3.8b
MDD I 24 23 39 31.2–3.2 37.14N 15.91W 0 3.8b ¶12082262
INMG I 24 23 39 33.9–.85 37.42N 16.31W 10 2.7L
CSEM Event type ke. Error ellipse: s-maj=26.0km s-min=10.5km az=138.0.
MDD Error ellipse: s-maj=40.2km s-min=17.1km az=137.0. PRXIMO SOLUCIN POBRE.
INMG Event type ke. Error ellipse: s-maj=9.8km s-min=2.8km az=123.0.
MDD I 25 12 49 51.1–1.3 36.54N 10.84W 0 3.1
CNRM I 25 12 49 48.8 36.54N 10.49W 30 3.2 ¶11660298
IGIL I 25 12 49 51.7 36.33N 10.85W 17 3.1L
LDG I 25 12 49 51.3–.59 36.49N 10.58W 10 3.5L
CSEM I 25 12 49 52.6–.27 36.54N 10.65W 10 3.5L
INMG I 25 12 49 52.2–.78 36.37N 10.80W 10 2.8L
MDD Error ellipse: s-maj=11.4km s-min=7.1km az=55.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=10.7km s-min=9.1km az=49.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=43.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=81.0.
ISC I 30 16 37 56.9–.74 37.72N–.05 17.28W–.07 10 4.2b 472 5-81
LDG I 30 16 37 52.2–.35 37.56N 17.81W 10 4.8L ¶11657477
IDC I 30 16 37 53.1–.92 37.67N 17.90W 0 5.1L,4.2
CNRM I 30 16 37 53.3 38.03N 17.77W 31 4.4,4.2
SFS I 30 16 37 53.0 37.64N 17.70W 0 5.0L,4.2
NEIC I 30 16 37 55.2–.68 37.78N 17.72W 10 4.6b,4.2
MDD I 30 16 37 56.2–1.4 37.68N 17.81W 27–22 5.0b,4.2
BGS I 30 16 37 57.3–2.6 37.78N 17.72W 10 4.7b,4.2
CSEM I 30 16 38 01.3–.34 37.97N 17.07W 10 5.1L,4.6b
IGIL I 30 16 38 01.3 37.44N 17.30W 10 4.7L,4.6b
SZGRF I 30 16 38 03.2 38.14N 17.63W 33 4.2b,4.6b
INMG I 30 16 38 03.4–2.6 37.51N 17.45W 10 4.5L,4.6b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=10.9km s-min=8.6km az=148.0.
IDC Error ellipse: s-maj=20.3km s-min=17.9km az=18.0.
SFS Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.4km az=164.0.
MDD Error ellipse: s-maj=20.0km s-min=7.5km az=111.0. PRXIMO.
BGS Error ellipse: s-maj=607.9km s-min=839.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=6.0km az=19.0.
SZGRF Azores-Cape St. Vincent Ridge.
INMG Event type ke. Error ellipse: s-maj=18.3km s-min=3.3km az=113.0.
ISC II 01 04 31 42.1–3.6 37.21N–.10 13.1W–.20 10 112 3-8
MDD II 01 04 31 42.7–2.2 37.16N 13.13W 0 3.9b ¶12082880
INMG II 01 04 31 44.4–.94 36.99N 13.51W 10 2.6L
CSEM II 01 04 31 45.4–.40 37.30N 12.92W 10 3.3L
ISC Event type ke.
MDD Error ellipse: s-maj=21.6km s-min=16.3km az=22.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=5.4km az=8.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=6.2km az=32.0.
ISC II 01 04 39 12.4–4.3 37.1N–.10 12.9W–.20 10 57 3-6
MDD II 01 04 39 09.8–3.8 37.10N 13.10W 0 3.8b ¶12082881
INMG II 01 04 39 13.8–1.3 36.96N 13.37W 10 2.4L
CSEM II 01 04 39 13.2–.67 37.09N 12.82W 10 3.8b
ISC Event type ke.
MDD Error ellipse: s-maj=32.4km s-min=24.9km az=17.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=15.3km s-min=10.9km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=14.4km s-min=9.0km az=5.0.
ISC II 01 06 04 13.4–3.7 37.18N–.10 13.1W–.20 10 106 3-7
MDD II 01 06 04 14.1–2.2 37.11N 13.06W 0 3.8b ¶12082883
INMG II 01 06 04 15.3–1.2 36.98N 13.49W 10 2.6L
CSEM II 01 06 04 16.5–.46 37.25N 12.87W 10 3.2L
ISC Event type ke.
MDD Error ellipse: s-maj=23.6km s-min=18.4km az=176.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.8km s-min=7.1km az=85.0.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=7.8km az=22.0.
ISC II 08 11 39 29.2–3.8 36.4N–.10 11.9W–.20 10 94 3-7
IGIL II 08 11 39 30.9 36.19N 12.07W 31 1.9L ¶11756897
MDD II 08 11 39 30.5–2.0 36.35N 11.84W 0 3.7b,2.3
INMG II 08 11 39 31.5–1.0 36.25N 12.04W 23–50 2.0L,2.3
CSEM II 08 11 39 33.1–.42 36.44N 11.75W 20 2.3L,2.3
ISC Event type ke.
MDD Error ellipse: s-maj=19.9km s-min=16.5km az=163.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=47.8km s-min=6.5km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=7.1km az=161.0.
ISC II 14 05 12 00.7–1.8 35.53N–.08 15.0W–.10 10 35 3-8
MDD II 14 05 12 06.7–2.5 35.00N 14.63W 0 3.7b ¶11756902
IGIL II 14 05 12 07.3 36.08N 15.47W 19 2.0L
CSEM II 14 05 12 07.1–.74 34.85N 14.39W 10 3.7b
INMG II 14 05 12 09.6–1.6 35.56N 15.22W 10 2.2L
ISC Event type ke.
MDD Error ellipse: s-maj=95.9km s-min=7.4km az=140.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=86.7km s-min=6.9km az=141.0.
INMG Event type ke. Error ellipse: s-maj=29.7km s-min=3.4km az=128.0.
ISC II 20 21 02 24.4–3.6 37.21N–.09 13.1W–.20 10 113 3-7
MDD II 20 21 02 25.1–2.2 37.15N 13.09W 0 3.6b ¶12083335
INMG II 20 21 02 26.9–1.1 37.01N 13.47W 10 2.5L
CSEM II 20 21 02 27.8–.37 37.26N 12.86W 10 3.2L
ISC Event type ke.
MDD Error ellipse: s-maj=20.1km s-min=17.6km az=141.0. PRXIMO SOLUCIN POBRE.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=5.2km az=95.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=6.3km az=158.0.
ISC II 24 07 57 53.2–.87 36.43N–.03 10.06W–.04 30 303 1-13
ISCJB II 24 07 57 54.7–.46 36.53N–.02 9.86W–.04 30 ¶11729335
SFS II 24 07 57 55.0 36.49N 10.00W 28 3.5L
MDD II 24 07 57 56.6–.67 36.48N 9.98W 30 3.5
CSEM II 24 07 57 56.6–.23 36.54N 9.89W 30 4.2L
LDG II 24 07 57 57.0–.17 36.49N 10.04W 30 3.9L
CNRM II 24 07 57 58.9 36.29N 9.88W 30 3.5
IGIL II 24 07 57 58.4 36.59N 9.86W 15 3.1L
INMG II 24 07 57 58.3–1.0 36.53N 9.94W 28–17 3.4,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=170.4.
SFS Event type ke.
MDD Error ellipse: s-maj=7.0km s-min=4.7km az=85.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=81.0.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=33.0.
INMG Event type ke. Error ellipse: s-maj=12.9km s-min=2.4km az=52.0.
ISC II 24 20 15 15.9–.80 36.40N–.05 15.67W–.06 10 76 3-12
ISCJB II 24 20 15 16.7–.65 36.38N–.06 15.50W–.06 10 ¶11756927
CSEM II 24 20 15 16.6–.46 36.51N 15.98W 10 2.6L
IGIL II 24 20 15 19.1 36.45N 16.05W 10 2.4L
MDD II 24 20 15 19.7–2.6 36.69N 15.94W 14–194 3.9b,2.8
INMG II 24 20 15 21.7–2.0 36.54N 16.13W 10 2.6L,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.3km az=145.2.
CSEM Event type ke. Error ellipse: s-maj=17.3km s-min=5.7km az=125.0.
MDD Error ellipse: s-maj=215.0km s-min=22.8km az=63.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.6km s-min=3.5km az=121.0.
ISC III 10 23 21 18.7–3.1 37.18N–.08 13.6W–.10 10 251 4-12
LDG III 10 23 21 19.9–.29 36.99N 14.00W 30 3.6L ¶11938369
INMG III 10 23 21 19.8–1.7 36.85N 14.14W 10 2.9L
MDD III 10 23 21 19.6–1.4 37.12N 13.68W 0 4.1b
IGIL III 10 23 21 20.3 37.13N 13.66W 0 2.9L
CSEM III 10 23 21 22.5–.26 37.19N 13.42W 10 3.9L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=5.1km az=35.0.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=2.3km az=132.0.
MDD Error ellipse: s-maj=12.9km s-min=11.4km az=49.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=39.0.
ISC IV 01 10 26 56.6–4.2 37.0N–.10 12.2W–.20 10 57 3-5
IGIL IV 01 10 26 53.0 36.72N 12.70W 30 2.0L ¶12791402
INMG IV 01 10 26 55.9–.99 36.71N 12.73W 10 2.2L
MDD IV 01 10 26 55.9–2.7 36.95N 12.26W 0 4.0b
CSEM IV 01 10 26 56.8–.32 36.96N 12.17W 10 4.0b
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=10.0km s-min=7.9km az=151.0.
MDD Error ellipse: s-maj=27.9km s-min=22.7km az=176.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=5.3km az=5.0.
ISC IV 04 06 46 13.2–1.9 37.10N–.09 16.47W–.10 10 63 4-8
MDD IV 04 06 46 12.8–2.7 37.20N 16.71W 0 4.1b ¶12934526
CSEM IV 04 06 46 15.9–.74 37.04N 16.33W 10 4.1b
INMG IV 04 06 46 16.8–1.1 37.39N 16.99W 10 2.7L
ISC Event type ke.
MDD Error ellipse: s-maj=33.4km s-min=10.3km az=133.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=19.7km s-min=6.7km az=136.0.
INMG Event type ke. Error ellipse: s-maj=13.2km s-min=3.0km az=123.0.
ISC IV 04 18 52 16.3–3.7 37.43N–.09 14.9W–.20 10 138 5-9
MDD IV 04 18 52 13.3–1.6 37.10N 15.38W 30 4.1b ¶12791405
IGIL IV 04 18 52 14.5 37.12N 15.34W 26 2.5L
INMG IV 04 18 52 17.1–2.1 37.09N 15.37W 10 2.6L
CSEM IV 04 18 52 19.9–.40 37.47N 14.62W 10 3.7L
ISC Event type ke.
MDD Error ellipse: s-maj=19.9km s-min=10.9km az=130.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=9.2km s-min=4.3km az=124.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=6.8km az=38.0.
ISC IV 05 12 46 28.9–3.1 37.11N–.09 12.6W–.10 10 166 3-9
IGIL IV 05 12 46 31.0 37.09N 12.55W 0 2.5L ¶12754015
MDD IV 05 12 46 31.9–1.6 37.08N 12.42W 0 4.2b
INMG IV 05 12 46 33.5–1.1 36.92N 12.79W 10 2.5L
CSEM IV 05 12 46 34.7–.39 37.23N 12.21W 10 3.4L
ISC Event type ke.
MDD Error ellipse: s-maj=14.0km s-min=11.4km az=65.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=5.7km az=70.0.
ISC IV 07 15 18 42.5–.42 37.63N–.04 17.41W–.03 14–2 5.0b,4.2s 1290 5-152
SFS IV 07 15 18 37.0 37.85N 17.70W 0 5.2L,4.2s ¶13438130
LDG IV 07 15 18 38.3–.13 37.51N 17.35W 2 5.3L,3.8s
BJI IV 07 15 18 39.1 37.89N 17.82W 7 5.3b,5.1s
IDC IV 07 15 18 40.3–.39 37.68N 17.48W 0 4.8,4.7L
CSEM IV 07 15 18 40.2–.10 37.65N 17.34W 2 5.2W,5.0b
MOS IV 07 15 18 40.1–.81 37.69N 17.47W 10 5.1b,5.0b
IGIL IV 07 15 18 40.1 37.65N 17.50W 2 5.3L,5.0b
ISCJB IV 07 15 18 40.0–.10 37.56N–.02 17.30W–.01 13 4.9b,4.2s
NEIC IV 07 15 18 41.9–.21 37.66N 17.39W 10 5.0b,4.2s
MDD IV 07 15 18 42.0–1.4 37.74N 17.49W 27–21 5.6b,4.2s

PDA IV 07 15 18 43.3–8.0 37.60N 17.45W 14–999 6.6L,4.2s
SZGRF IV 07 15 18 44.7 37.11N 16.24W 10 5.1b,3.7s
INMG IV 07 15 18 45.2–2.4 37.77N 17.51W 10 5.0L,3.7s
GCMT IV 07 15 18 45.9–.30 37.67N 17.47W 35–1 5.0W,3.7s
BGS IV 07 15 18 46.4–2.5 37.77N 16.51W 5 5.3b,3.7s
CNRM IV 07 15 19 02.6 37.06N 15.79W 30 4.4,3.7s
ISC Event type ke.
SFS Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=162.0.
IDC Error ellipse: s-maj=12.1km s-min=9.5km az=140.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=173.0.
MOS Error ellipse: s-maj=9.0km s-min=3.3km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.5km az=175.1.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=2.9km az=167.0.
MDD Error ellipse: s-maj=17.5km s-min=6.8km az=112.0. PRXIMO.
PDA Event type ke.
SZGRF Azores-Cape St. Vincent Ridge.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=139.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s42,c58; s71,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.03±.24 $M_{\theta\theta}$-0.41±.16; $M_{\phi\phi}$2.44±.17; $M_{r\theta}$-0.74±.21; $M_{\theta\phi}$-4.01±.13; $M_{\phi r}$0.36±.18; Best double couple: NP1:ϕ_s9.00000°,δ74.00000°,λ-8.00000°. NP2:ϕ_s102.00000°,δ82.00000°,λ-164.00000°. Principal axes: T 5.3400,Plg6.0000° ,Azm235.0000°; N -1.9800,Plg72.0000°,Azm127.0000°; P -3.3600,Plg17.0000° ,Azm326.0000° $M_0$4.40000×10^{16}
BGS Error ellipse: s-maj=111.2km s-min=60.3km az=-1.0.

ISC IV 08 03 59 30.6–1.8 37.79N–.07 17.2W–.10 10 92 5-12
CSEM IV 08 03 59 31.0–.52 37.78N 17.14W 10 4.1L ¶12934848
MDD IV 08 03 59 34.5–2.2 37.55N 17.22W 0 3.9b
INMG IV 08 03 59 39.5–1.2 37.59N 17.42W 10 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=3.1km az=138.0.
MDD Error ellipse: s-maj=28.3km s-min=10.0km az=137.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=10.3km s-min=3.9km az=128.0.

ISC IV 09 01 36 17.5–3.8 37.2N–.10 13.1W–.20 10 100 3-6
MDD IV 09 01 36 17.6–2.5 37.08N 13.16W 0 3.5b ¶12934932
INMG IV 09 01 36 19.8–.84 36.98N 13.49W 10 2.1L
CSEM IV 09 01 36 20.4–.39 37.24N 12.94W 10 3.5b
ISC Event type ke.
MDD Error ellipse: s-maj=23.2km s-min=19.1km az=15.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.6km az=30.0.

ISC IV 09 21 28 01.8–2.8 36.99N–.08 11.4W–.10 10 218 2-11
IGIL IV 09 21 28 03.9 36.94N 11.42W 5 2.9L ¶12742129
MDD IV 09 21 28 03.9–1.3 37.02N 11.33W 0 4.5b
CSEM IV 09 21 28 05.9–.27 37.12N 11.16W 10 3.6L
INMG IV 09 21 28 05.3–.76 36.97N 11.38W 10 2.8L,2.8
LDG IV 09 21 28 06.8–1.1 37.33N 10.94W 2 3.2L,2.8
ISC Event type ke.
MDD Error ellipse: s-maj=11.6km s-min=8.1km az=50.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=48.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=74.0.
LDG Event type ke. Error ellipse: s-maj=22.3km s-min=13.3km az=51.0.

ISC IV 13 18 46 36.0–2.5 36.88N–.08 10.6W–.10 13 237 1-10
MDD IV 13 18 46 39.6–1.2 36.85N 10.64W 27–38 2.8 ¶12742224
IGIL IV 13 18 46 40.9 36.81N 10.59W 31 2.9L
CSEM IV 13 18 46 40.8–.32 37.05N 10.31W 10 3.6L
INMG IV 13 18 46 41.1–.78 36.91N 10.44W 10 2.7L
LDG IV 13 18 46 41.0–.86 37.27N 10.15W 2 3.2L
ISC Event type ke.
MDD Error ellipse: s-maj=38.6km s-min=7.2km az=53.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=52.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=65.0.
LDG Event type ke. Error ellipse: s-maj=16.7km s-min=9.7km az=52.0.

ISC IV 17 19 52 03.7–3.6 36.9N–.10 12.4W–.20 10 98 3-12
MDD IV 17 19 52 03.6–2.0 36.82N 12.50W 0 4.1b ¶12756783
LDG IV 17 19 52 03.8–.84 37.26N 12.74W 10 2.9L
INMG IV 17 19 52 05.1–1.0 36.68N 12.89W 10 2.2L
CSEM IV 17 19 52 05.5–.42 36.92N 12.35W 10 4.1b
ISC Event type ke.
MDD Error ellipse: s-maj=21.4km s-min=16.3km az=11.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=16.7km s-min=11.8km az=47.0.
INMG Event type ke. Error ellipse: s-maj=9.1km s-min=6.2km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=7.0km az=16.0.

MDD IV 27 14 39 39.6–3.7 36.79N 13.34W 0 4.0b
CSEM IV 27 14 39 42.2–.74 37.02N 13.14W 10 4.0b ¶14558813
MDD Error ellipse: s-maj=41.8km s-min=26.7km az=145.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=19.2km s-min=10.9km az=150.0.

ISC IV 28 08 35 27.3–3.4 37.09N–.09 13.3W–.20 10 137 4-8
MDD IV 28 08 35 27.2–1.9 37.03N 13.40W 0 4.3b ¶12936381
INMG IV 28 08 35 29.0–.90 36.81N 13.75W 10 2.8L
CSEM IV 28 08 35 30.7–.33 37.17N 13.12W 10 3.5L
ISC Event type ke.
MDD Error ellipse: s-maj=17.1km s-min=14.7km az=50.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=4.3km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.9km az=50.0.

ISC V 04 14 57 12.4–4.0 35.7N–.10 11.4W–.20 10 80 2-6
MDD V 04 14 57 12.0–2.2 35.67N 11.43W 0 4.1b ¶13439322
IGIL V 04 14 57 12.2 35.70N 11.53W 1 2.2L
INMG V 04 14 57 12.2–.96 35.60N 11.55W 10 2.3L
CSEM V 04 14 57 13.7–.40 35.76N 11.31W 10 3.2L
ISC Event type ke.
MDD Error ellipse: s-maj=27.3km s-min=17.4km az=136.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=9.9km s-min=5.1km az=113.0.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=6.5km az=132.0.

ISC V 04 23 57 38.9–1.5 37.31N–.06 14.32W–.09 10 122 4-10
IGIL V 04 23 57 35.8 37.08N 14.81W 9 2.3L ¶13439331
MDD V 04 23 57 38.9–1.7 37.32N 14.43W 0 4.4b
INMG V 04 23 57 39.8–1.6 36.98N 14.83W 10 2.5L
CSEM V 04 23 57 40.6–.32 37.26N 14.22W 10 3.4L
ISCJB V 04 23 57 40.2–.00 37.32N–.08 14.08W–.06 10 3.4L
ISC Event type ke.
MDD PRXIMO.
INMG Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC V 07 13 50 18.0–4.4 37.1N–.10 12.9W–.20 10 39 3-7
MDD V 07 13 50 15.9–4.8 37.14N 13.11W 0 3.5b ¶14784983
CSEM V 07 13 50 18.1–.40 37.14N 12.90W 10 2.8L
ISC Event type ke.
MDD Error ellipse: s-maj=44.2km s-min=36.5km az=177.0. PRXIMO SIN SOLUCIN.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.8km az=160.0.

ISC V 08 08 40 41.9–3.5 36.9N–.10 12.4W–.20 10 114 3-8
MDD V 08 08 40 41.9–1.9 36.77N 12.46W 0 4.3b ¶13439407
IGIL V 08 08 40 41.6 36.78N 12.56W 0 2.3L
INMG V 08 08 40 43.1–.82 36.63N 12.87W 10 2.5L
CSEM V 08 08 40 44.6–.37 36.93N 12.26W 10 3.4L
ISC Event type ke.
MDD Error ellipse: s-maj=17.0km s-min=16.7km az=169.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=142.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=6.4km az=73.0.

ISC V 09 20 38 40.4–3.4 37.24N–.09 12.9W–.20 10 72 3-8
MDD V 09 20 38 39.8–2.7 37.15N 13.01W 0 3.6b ¶13439453
INMG V 09 20 38 39.1–1.1 36.97N 13.51W 25–26 2.3L
CSEM V 09 20 38 43.2–.61 37.28N 12.84W 20 3.6b
ISC Event type ke.
MDD Error ellipse: s-maj=21.2km s-min=19.1km az=39.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=6.0km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=9.0km az=27.0.

ISC V 15 10 26 36.8–3.9 37.4N–.10 13.5W–.20 10 67 4-6
MDD V 15 10 26 36.7–2.8 37.31N 13.57W 0 3.6b ¶13439608
INMG V 15 10 26 38.2–1.1 37.09N 13.96W 10 2.4L
CSEM V 15 10 26 38.7–.58 37.41N 13.36W 10 2.9L
ISC Event type ke.
MDD Error ellipse: s-maj=27.6km s-min=21.4km az=10.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=13.2km s-min=9.1km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=13.6km s-min=9.7km az=3.0.

ISC VI 01 19 51 03.8–.42 36.32N–.02 11.40W–.02 10 220 2-11
ISCJB VI 01 19 51 05.5–.54 36.34N–.03 11.26W–.04 10 ¶12954610
MDD VI 01 19 51 07.8–1.2 36.28N 11.52W 23–17 4.6b
IGIL VI 01 19 51 08.6 36.22N 11.51W 31 2.8L
CNRM VI 01 19 51 08.6 36.04N 11.61W 30 3.6
LDG VI 01 19 51 09.9–.32 36.47N 11.23W 125–4 3.3L
PDA VI 01 19 51 09.3–1.0 36.23N 11.51W 31 2.7L
CSEM VI 01 19 51 09.3–.28 36.34N 11.32W 30 3.7L
INMG VI 01 19 51 09.3–1.0 36.23N 11.51W 31 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=20.2.
MDD Error ellipse: s-maj=16.1km s-min=7.2km az=81.0.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=42.0.
PDA Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=94.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=82.0.

ISC VI 05 04 52 17.6–3.5 37.56N–.10 13.5W–.20 10 78 4-6
MDD VI 05 04 52 16.9–2.4 37.45N 13.60W 0 3.8b ¶13439927
IGIL VI 05 04 52 17.2 37.40N 13.64W 0 2.1L
INMG VI 05 04 52 18.1–.99 37.43N 13.96W 0 2.2L
PDA VI 05 04 52 18.1–.99 37.43N 13.96W 0 2.2L
CSEM VI 05 04 52 19.8–.44 37.57N 13.35W 10 3.8b
ISC Event type ke.
MDD Error ellipse: s-maj=25.9km s-min=18.7km az=14.0.
INMG Event type ke. Error ellipse: s-maj=7.8km s-min=7.7km az=156.0.
PDA Event type ke. Error ellipse: s-maj=7.8km s-min=7.7km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=6.7km az=20.0.

ISC VI 05 22 03 10.1–3.7 36.9N–.10 12.3W–.20 10 128 3-7
MDD VI 05 22 03 11.6–2.0 36.82N 12.24W 0 4.1b ¶13439939
INMG VI 05 22 03 11.8–1.4 36.63N 12.70W 10 2.2L
PDA VI 05 22 03 11.8–1.4 36.63N 12.70W 10 2.2L
IGIL VI 05 22 03 12.1 36.86N 12.30W 2 1.8L
CSEM VI 05 22 03 13.9–.38 37.00N 12.09W 10 2.6L
ISC Event type ke.
MDD Error ellipse: s-maj=18.6km s-min=15.1km az=117.0.
INMG Event type ke. Error ellipse: s-maj=8.1km s-min=4.3km az=123.0.
PDA Event type ke. Error ellipse: s-maj=8.1km s-min=4.3km az=123.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.7km az=105.0.

ISC VI 25 12 26 34.2–1.5 37.12N–.05 11.93W–.06 10 76 2-6
MDD VI 25 12 26 32.1–2.2 36.96N 12.13W 0 4.1b ¶13375483
INMG VI 25 12 26 33.0–1.1 36.84N 12.57W 10 2.0L
CSEM VI 25 12 26 33.7–.33 37.06N 12.00W 10 3.1L
PDA VI 25 12 26 33.0–1.1 36.84N 12.57W 10 2.0L
ISC Event type ke.
MDD Error ellipse: s-maj=20.0km s-min=18.2km az=129.0.
INMG Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=98.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.4km az=125.0.
PDA Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=98.0.

ISC VI 25 21 58 11.0–3.6 36.8N–.10 12.5W–.20 10 115 3-7
MDD VI 25 21 58 13.7–2.1 36.74N 12.34W 0 3.8b ¶13375484
INMG VI 25 21 58 14.8–1.4 36.59N 12.76W 10 2.3L
PDA VI 25 21 58 14.8–1.4 36.59N 12.76W 10 2.3L
CSEM VI 25 21 58 16.4–.45 36.91N 12.16W 10 2.7L
ISC Event type ke.
MDD Error ellipse: s-maj=22.0km s-min=16.6km az=2.0.
INMG Event type ke. Error ellipse: s-maj=7.8km s-min=5.2km az=127.0.
PDA Event type ke. Error ellipse: s-maj=7.8km s-min=5.2km az=127.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=7.4km az=35.0.

MDD VI 27 06 59 57.5–4.0 37.06N 13.11W 0 3.9b
¶14989106
MDD Error ellipse: s-maj=42.1km s-min=33.9km az=167.0. PROXIMO SIN SOLUCION.

ISC VI 28 11 56 25.2–3.7 37.12N–.10 13.3W–.20 10 112 4-8
IGIL VI 28 11 56 25.3 37.04N 13.37W 1 2.3L ¶13353614
MDD VI 28 11 56 26.6–2.0 37.00N 13.28W 0 3.9b
INMG VI 28 11 56 28.0–1.4 36.90N 13.67W 5–97 2.4L
PDA VI 28 11 56 28.0–1.4 36.90N 13.67W 5–97 2.4L
CSEM VI 28 11 56 29.2–.46 37.14N 13.02W 5 3.9b
ISC Event type ke.
MDD Error ellipse: s-maj=21.0km s-min=17.5km az=165.0.
INMG Event type ke. Error ellipse: s-maj=80.1km s-min=9.3km az=70.0.
PDA Event type ke. Error ellipse: s-maj=80.1km s-min=9.3km az=70.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=8.0km az=172.0.

SEISMIC REGION 33.
Indian Ocean.

(415) Eastern Gulf of Aden.

DHMR I 18 22 55 53.7–.47 14.01N 51.11E 5–34 4.4L
¶14383248
DHMR Error ellipse: s-maj=47.1km s-min=34.7km az=-1.0.

ISC II 22 18 55 33.5–1.5 13.1N–.30 51.1E–.20 16 3.6b 8 2-89
ISCJB II 22 18 55 31.9–1.2 13.1N–.20 51.2E–.10 16 3.6b ¶15956964
IDC II 22 18 55 31.1–1.6 12.92N 51.31E 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.9km s-min=10.1km az=25.0.
IDC Error ellipse: s-maj=43.8km s-min=32.4km az=35.0.

DHMR III 04 06 07 02.1–2.3 13.59N 48.53E 10 3.6L
¶14544107
DHMR Error ellipse: s-maj=39.9km s-min=18.8km az=-1.0.

ISC III 25 09 10 12.9–.93 13.5N–.20 50.90E–.08 12 4.0b,3.8s 13 2-89
DHMR III 25 09 10 03.5–.52 14.65N 51.13E 1–29 3.5L,3.8s ¶12635538
IDC III 25 09 10 10.5–1.1 13.23N 50.96E 0 4.6L,4.1
ISC Event type ke.
DHMR Error ellipse: s-maj=292.5km s-min=17.9km az=-1.0.
IDC Error ellipse: s-maj=25.5km s-min=21.6km az=6.0.

IDC III 25 11 11 32.2–1.2 13.12N 50.97E 0 4.0,3.8
¶12635547
IDC Error ellipse: s-maj=47.4km s-min=29.7km az=176.0.

ISC III 25 12 04 32.9–1.2 13.3N–.40 50.73E–.08 21 3.9b,3.5s 9 5-89
IDC III 25 12 04 29.8–1.5 13.12N 50.96E 0 4.0,3.7 ¶12635550
ISCJB III 25 12 04 31.3–1.1 13.3N–.30 50.75E–.07 21 3.8b,3.3s
ISC Event type ke.
ISCJB Event type ke.

DHMR III 29 19 49 52.8–1.9 13.40N 49.52E 25–999 3.7L
¶14544486
DHMR Error ellipse: s-maj=456.9km s-min=999.9km az=-1.0.

ISC IV 09 01 40 35.9–.58 13.38N–.07 51.22E–.06 12 4.2b,4.1s 134 2-89
MOS IV 09 01 40 32.8–1.2 13.16N 51.34E 10 4.7b,4.1s ¶12934920
CSEM IV 09 01 40 34.5–.31 13.36N 51.24E 2 4.5b,4.1s
ISCJB IV 09 01 40 34.1–.45 13.37N–.05 51.17E–.04 12 4.2b,4.0s
IDC IV 09 01 40 34.1–.66 13.34N 51.20E 0 4.6L,4.3
NEIC IV 09 01 40 35.4–.49 13.27N 51.26E 10 4.5b,4.3
OMAN IV 09 01 40 36.0–95 13.42N 51.25E 15 4.5b,4.3
DHMR IV 09 01 40 39.2–.44 13.43N 50.75E 4–63 4.1L,4.3
ISC Event type ke.
MOS Error ellipse: s-maj=15.7km s-min=8.3km az=78.3.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=7.8km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.7km az=162.7.
IDC Error ellipse: s-maj=18.2km s-min=13.6km az=129.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.4km az=137.0.
OMAN Error ellipse: s-maj=22.5km s-min=2.5km az=303.0.
DHMR Error ellipse: s-maj=29.6km s-min=66.5km az=-1.0.

ISC IV 10 15 01 39.0–1.1 14.6N–.20 51.50E–.08 10 3.9b,2.9s 14 2-88
IDC IV 10 15 01 39.3–1.5 14.83N 51.74E 0 5.1L,3.8 ¶12934959
DHMR IV 10 15 01 42.5–5.7 14.05N 51.17E 10 4.2L,3.8
ISC Event type ke.

IDC Error ellipse: s-maj=35.3km s-min=25.5km az=12.0.
DHMR Error ellipse: s-maj=112.3km s-min=49.5km az=-1.0.
ISC IV 13 15 53 59.8–.60 13.33N–.09 50.34E–.06 21 4.0b,3.4s 58 2-127
IDC IV 13 15 53 55.8–.70 13.24N 50.47E 0 4.2L,4.0 **¶13438481**
BJI IV 13 15 53 56.6 13.10N 50.30E 10 4.4b,4.0
ISCJB IV 13 15 53 57.2–.43 13.29N–.07 50.33E–.03 21 4.0b,3.5s
DHMR IV 13 15 54 00.8–1.4 13.37N 49.91E 3–96 3.8L,3.5s
CSEM IV 13 15 54 00.8–.56 13.26N 50.29E 40 3.8L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=14.9km az=171.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=4.3km az=0.2.
DHMR Error ellipse: s-maj=44.4km s-min=108.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=17.0km s-min=10.6km az=167.0.
ISC IV 13 17 00 29.6–.93 13.5N–.10 50.48E–.08 21 4.0b 16 2-89
IDC IV 13 17 00 26.1–1.1 13.30N 50.57E 0 4.1L,4.0 **¶12935172**
ISCJB IV 13 17 00 27.5–.70 13.4N–.10 50.47E–.05 21 3.9b,2.9s
DHMR IV 13 17 00 28.0–2.0 13.46N 50.21E 1–327 2.9L,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=23.0km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=7.4km az=7.5.
DHMR Error ellipse: s-maj=98.7km s-min=591.6km az=-1.0.
ISC V 02 17 39 20.3–1.0 13.4N–.10 50.10E–.08 10 3.6b 11 1-90
IDC V 02 17 39 17.7–2.5 13.10N 50.13E 0 3.8,3.6 **¶13678242**
ISCJB V 02 17 39 18.4–.88 13.3N–.10 50.08E–.05 10 3.6b,3.6
DHMR V 02 17 39 24.3–2.2 13.38N 49.62E 4–420 3.2L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=65.0km s-min=36.4km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=7.3km az=10.2.
DHMR Error ellipse: s-maj=93.8km s-min=431.4km az=-1.0.
ISC V 12 17 12 53.5–.57 13.33N–.08 50.71E–.06 21 4.2b 92 2-89
IDC V 12 17 12 50.3–.70 13.25N 50.91E 0 4.1,4.0 **¶13678826**
NEIC V 12 17 12 51.7–.44 13.26N 50.87E 10 4.1b,4.0
ISCJB V 12 17 12 51.4–.42 13.35N–.07 50.69E–.04 21 4.0b,3.3s
CSEM V 12 17 12 52.0–.27 13.34N 50.71E 10 4.1b,3.3s
DHMR V 12 17 12 53.8–2.8 13.49N 50.32E 2–999 3.7L,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=18.2km s-min=15.9km az=119.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.5km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.9km az=173.3.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=7.9km az=157.0.
DHMR Error ellipse: s-maj=20.0km s-min=999.9km az=-1.0.
DHMR V 27 16 47 08.6–2.0 13.42N 49.30E 5–157 3.5L
¶15167887
DHMR Error ellipse: s-maj=68.5km s-min=375.2km az=-1.0.
IDC V 28 21 43 42.3–2.3 13.18N 51.07E 0 3.9,3.7s
¶16156285
IDC Error ellipse: s-maj=86.5km s-min=32.6km az=170.0.
ISC VI 03 20 32 31.3–.81 13.4N–.10 50.81E–.07 12 3.9b 18 2-89
ISCJB VI 03 20 32 29.5–.63 13.4N–.10 50.79E–.05 12 3.9b,3.3s **¶13680368**
IDC VI 03 20 32 29.3–.95 13.25N 50.93E 0 4.0,3.8b
DHMR VI 03 20 32 34.2–.53 13.51N 50.52E 15–82 3.7L,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=6.2km az=5.1.
IDC Error ellipse: s-maj=31.5km s-min=23.0km az=121.0.
DHMR Error ellipse: s-maj=36.3km s-min=80.4km az=-1.0.
ISC VI 07 22 24 33.8–1.2 13.3N–.20 51.07E–.09 12 3.7b,3.5s 17 2-88
IDC VI 07 22 24 30.2–1.3 12.97N 51.28E 0 3.9,3.7 **¶13680812**
ISCJB VI 07 22 24 32.1–.97 13.3N–.10 51.04E–.05 12 3.7b,3.5s
DHMR VI 07 22 24 37.2–1.8 13.45N 50.66E 3–416 3.1L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=21.5km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=20.2km s-min=7.1km az=179.4.
DHMR Error ellipse: s-maj=50.0km s-min=963.1km az=-1.0.
ISC VI 12 21 08 55.8–.76 12.54N–.09 47.28E–.06 14 4.0b,3.4s 28 2-92
ISCJB VI 12 21 08 54.5–.56 12.61N–.07 47.36E–.04 14 3.9b,3.4s **¶13681245**
IDC VI 12 21 08 54.2–.93 12.62N 47.49E 0 4.0,3.9
DHMR VI 12 21 08 55.8–.97 12.58N 47.07E 10 4.1L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.3km az=12.2.
IDC Error ellipse: s-maj=21.3km s-min=17.8km az=177.0.
DHMR Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0.
ISC VI 23 21 51 56.2–.82 14.5N–.10 51.47E–.07 10 3.8b,3.1s 25 2-89
ISCJB VI 23 21 51 55.1–.65 14.66N–.09 51.48E–.05 10 3.7b,3.1s **¶13681931**
IDC VI 23 21 51 55.8–1.0 14.67N 51.64E 0 5.3L,3.8
DHMR VI 23 21 52 00.0–1.5 14.10N 51.14E 4–61 4.4L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=5.6km az=160.3.
IDC Error ellipse: s-maj=27.0km s-min=21.3km az=170.0.
DHMR Error ellipse: s-maj=84.7km s-min=56.2km az=-1.0.

(416) Socotra region.

IDC VI 08 15 32 58.6–.76 13.93N 56.93E 0 4.0,3.9
¶16101110
IDC Error ellipse: s-maj=19.4km s-min=16.2km az=29.0.

(421) Carlsberg Ridge.

ISC I 02 17 42 06.1–.69 6.2N–.10 60.5E–.10 15 4.0b,3.7s 27 18-77
IDC I 02 17 42 03.4–1.2 6.18N 60.53E 0 3.8,3.7s **¶12079838**
ISCJB I 02 17 42 04.4–.53 6.2N–.10 60.55E–.10 15 4.0b,3.8s
NEIC I 02 17 42 05.2–.42 6.21N 60.54E 10 4.6b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=23.2km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=10.2km az=139.9.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.5km az=136.0.
IDC I 04 05 57 57.3–3.0 1.32N 67.29E 0 3.7,3.6b
¶12080111
IDC Error ellipse: s-maj=194.6km s-min=27.1km az=125.0.
ISC I 09 03 44 39.1–.33 10.43N–.04 57.03E–.03 13–1 5.3b,5.2s 1348 8-163
BJI I 09 03 44 27.9 9.73N 56.22E 5 5.5s,5.4b **¶11534431**
IDC I 09 03 44 36.9–.44 10.42N 57.07E 0 5.1s,5.1
ISCJB I 09 03 44 37.1–.57 10.36N–.03 56.97E–.02 13–3 5.3b,5.2s
BGS I 09 03 44 37.9–2.3 10.44N 56.96E 10 5.1b,5.2s
MOS I 09 03 44 37.2–1.2 10.50N 56.94E 10 5.5b,5.1s
NEIC I 09 03 44 38.8–.18 10.44N 56.96E 10 5.7W,5.4b
STR I 09 03 44 38.4–.00 11.42N 57.90E 5.2b,5.4b
CSEM I 09 03 44 38.9–.11 10.41N 56.98E 10 5.6W,5.4b
DJA I 09 03 44 39 10.47N 57.00E 10 5.2b,5.4b
OMAN I 09 03 44 41.0–1.4 10.51N 57.19E 10 5.2b,5.4b
SZGRF I 09 03 44 45.2 10.29N 54.75E 10 5.2b,5.4b
DHMR I 09 03 44 45.5–3.2 11.15N 56.89E 35–999 5.6b,5.4b
ISC Event type ke.
IDC Error ellipse: s-maj=12.6km s-min=11.3km az=24.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=10.5.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=3.5km az=108.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.2km az=10.0. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}0.42 $M_{\theta\theta}$-3.30 $M_{\phi\phi}$2.88 $M_{r\theta}$-0.32 $M_{\theta\phi}$-2.45 $M_{\phi r}$-0.95 Best double couple: NP1:ϕ_s206.00000°,δ86.00000°,λ15.00000°. NP2:ϕ_s115.00000° ,δ75.00000°,λ176.00000°. Principal axes: T 3.9100,Plg12.0000°,Azm71.0000° ; N 0.3200,Plg74.0000°,Azm219.0000°; P -4.2400,Plg7.0000°,Azm340.0000° M_ϕ4.10000×10^{17}
STR Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=7.0.
OMAN Error ellipse: s-maj=2.7km s-min=1.6km az=225.0.
SZGRF Carlsberg Ridge.
DHMR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC I 17 20 57 11.3–1.5 2.13S 68.25E 0 3.6,3.5b
¶12081571
IDC Error ellipse: s-maj=46.4km s-min=23.7km az=55.0.
IDC I 22 00 13 10.8–2.7 0.35N 67.12E 0 3.7s,3.7
¶12082016
IDC Error ellipse: s-maj=102.1km s-min=36.8km az=61.0.
IDC I 22 10 33 52.9–8.5 2.23S 67.35E 0 3.9,3.6
¶12082046
IDC Error ellipse: s-maj=192.3km s-min=44.7km az=87.0.
IDC I 28 17 25 47.1–9.8 3.77N 63.07E 0 3.7,3.5b
¶12082596
IDC Error ellipse: s-maj=307.9km s-min=35.6km az=75.0.
IDC II 02 07 07 06.2–1.4 0.49N 66.96E 0 4.0,3.8
¶15954882
IDC Error ellipse: s-maj=44.3km s-min=23.6km az=56.0.
IDC II 04 22 58 44.8–2.6 3.81N 64.35E 0 3.9,3.7
¶15955027
IDC Error ellipse: s-maj=132.6km s-min=25.6km az=49.0.
IDC II 07 13 58 21.3–1.1 0.67S 67.01E 0 3.9,3.8b
¶15955182
IDC Error ellipse: s-maj=32.1km s-min=25.4km az=69.0.
ISC II 09 09 06 37.9–.45 10.01N–.07 57.20E–.08 13 4.8b,3.7s 286 12-137
BJI II 09 09 06 28.6 9.17N 56.69E 10 5.2b,4.9s **¶11667462**
MOS II 09 09 06 35.4–1.1 10.00N 57.19E 10 4.9b,4.9s
ISCJB II 09 09 06 35.9–.38 10.02N–.05 57.05E–.05 13 4.7b,3.7s
IDC II 09 09 06 35.7–.54 10.04N 57.29E 0 4.4,4.3b
NEIC II 09 09 06 37.3–.35 10.03N 57.18E 10 4.8b,4.3b
CSEM II 09 09 06 39.7–.29 10.08N 57.06E 20 4.7b,3.5s
ISC Event type ke.
MOS Error ellipse: s-maj=9.8km s-min=5.6km az=100.4.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.8km az=148.1.
IDC Error ellipse: s-maj=16.0km s-min=12.9km az=129.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.1km az=123.0.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=8.6km az=119.0.
ISC II 18 03 41 46.3–.44 1.12N–.10 67.25E–.09 10 4.4b 128 20-149
ISCJB II 18 03 41 44.5–.38 1.18N–.07 67.24E–.07 10 4.3b **¶12701099**
IDC II 18 03 41 44.6–.54 1.11N 67.26E 0 4.3,4.2
NEIC II 18 03 41 46.2–.29 1.10N 67.24E 10 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=9.2km az=142.3.
IDC Error ellipse: s-maj=16.7km s-min=15.8km az=27.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.5km az=150.0.
IDC II 24 12 10 20.1–3.6 2.01N 66.58E 0 3.6,3.6
¶15957160
IDC Error ellipse: s-maj=86.1km s-min=52.0km az=162.0.
IDC III 12 08 44 21.9–.95 2.21S 67.57E 0 3.8,3.7s
¶12703057
IDC Error ellipse: s-maj=31.5km s-min=23.8km az=95.0.
ISC III 13 17 00 35.2–.61 1.5N–.10 66.76E–.10 13 4.2b,3.7s 44 13-148
ISCJB III 13 17 00 33.5–.52 1.54N–.09 66.78E–.08 13 4.1b,3.7s **¶12703187**
IDC III 13 17 00 33.3–.65 1.49N 66.77E 0 4.2,4.0
NEIC III 13 17 00 35.0–.38 1.55N 66.79E 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=9.5km az=146.2.
IDC Error ellipse: s-maj=19.4km s-min=17.9km az=161.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.4km az=146.0.
IDC III 14 14 27 00.8–.98 6.51N 60.67E 0 4.1,4.0
¶12703265
IDC Error ellipse: s-maj=32.2km s-min=17.8km az=128.0.
ISC III 23 04 28 22.7–.37 9.80N–.04 57.88E–.04 15–1 5.1s,5.0b 701 9-162
BJI III 23 04 28 14.7 9.24N 57.43E 10 5.5b,5.3s **¶12791302**
SZGRF III 23 04 28 18.7 9.69N 58.89E 33 5.3b,4.5s
IDC III 23 04 28 20.4–.41 9.74N 57.98E 0 4.9s,4.9
MOS III 23 04 28 20.0–1.4 9.81N 57.77E 10 5.3b,4.8s
ISCJB III 23 04 28 21.7–.85 9.71N–.03 57.78E–.02 23–6 5.0s,4.9b
GCMT III 23 04 28 21.4–.10 9.69N 57.76E 12 5.5W,4.9b
NEIC III 23 04 28 21.8–.27 9.80N 57.82E 10 5.5W,5.2s
TEH III 23 04 28 22.0 9.82N 57.87E 10 5.2L,5.2s
CSEM III 23 04 28 26.9–.35 9.78N 57.78E 47–2 5.5W,5.0b
ISC Event type ke.
SZGRF Carlsberg Ridge.
IDC Error ellipse: s-maj=11.4km s-min=10.9km az=105.0.
MOS Error ellipse: s-maj=7.1km s-min=3.9km az=105.4.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=10.6.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=105, comp=217, per= 50. Moment Tensor Solution. s85,c142; s41,c42; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.99±.03 $M_{\theta\theta}$1.85±.03; $M_{\phi\phi}$0.14±.03; $M_{r\theta}$0.97±.08; $M_{\theta\phi}$-0.98±.03; $M_{\phi r}$-0.29±.08; Best double couple: NP1:ϕ_s119.00000°,δ33.00000°,λ-83.00000°. NP2:ϕ_s291.00000°,δ58.00000°,λ-95.00000°. Principal axes: T 2.5200,Plg13.0000°,Azm24.0000°; N -0.2900,Plg4.0000°,Azm293.0000° ; P -2.2200,Plg77.0000°,Azm186.0000° $M_0$2.40000×10^{17}
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=6.0km az=211.0. Moment Tensor Solution. s49 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.50 $M_{\theta\theta}$1.52 $M_{\phi\phi}$-0.02 $M_{r\theta}$1.43 $M_{\theta\phi}$-0.60 $M_{\phi r}$-0.33 Best double couple: NP1:ϕ_s114.00000°,δ24.00000°,λ-81.00000°. NP2:ϕ_s285.00000° ,δ66.00000°,λ-94.00000°. Principal axes: T 2.2900,Plg21.0000°,Azm17.0000° ; N -0.2200,Plg3.0000°,Azm286.0000°; P -2.0700,Plg68.0000°,Azm186.0000° $M_0$2.20000×10^{17}
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=6.3km az=63.0.
ISC III 23 05 01 40.9–.72 9.6N–.10 57.9E–.10 17 4.0b 41 34-137
IDC III 23 05 01 38.1–.75 9.58N 57.91E 0 4.1,4.0b **¶12635357**
ISCJB III 23 05 01 39.0–.66 9.6N–.10 57.9E–.10 17 4.0b,4.0b
NEIC III 23 05 01 39.7–.52 9.57N 57.93E 10 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=19.6km s-min=18.0km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=13.9km az=139.7.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.7km az=150.0.
IDC III 23 09 20 56.5–1.2 9.49N 57.90E 0 3.9,3.7b
¶12635371
IDC Error ellipse: s-maj=41.0km s-min=24.8km az=20.0.
IDC III 24 20 17 33.6–1.2 9.62N 57.92E 0 3.8,3.6b
¶12635490
IDC Error ellipse: s-maj=37.7km s-min=27.4km az=44.0.
IDC III 30 04 14 05.7–5.7 10.08N 57.48E 0 3.8,3.7b
¶12635911
IDC Error ellipse: s-maj=150.7km s-min=29.9km az=149.0.
IDC IV 18 14 11 44.6–9.1 4.27N 64.64E 0 4.0,3.8b
¶16152990
IDC Error ellipse: s-maj=286.9km s-min=33.6km az=74.0.
IDC IV 23 17 52 27.2–2.2 3.44N 63.10E 0 3.8,3.6
¶16153309
IDC Error ellipse: s-maj=64.7km s-min=29.6km az=71.0.
IDC IV 29 19 01 31.1–.79 2.94N 65.22E 0 4.0,3.8
¶16154641
IDC Error ellipse: s-maj=22.7km s-min=18.7km az=17.0.
IDC IV 29 19 15 53.4–1.2 2.91N 65.16E 0 3.8,3.7
¶16154642
IDC Error ellipse: s-maj=40.7km s-min=23.4km az=34.0.
IDC IV 29 19 17 04.9–1.6 3.03N 65.30E 0 3.7,3.5b
¶16154643
IDC Error ellipse: s-maj=44.5km s-min=25.5km az=50.0.
ISC V 05 06 33 31.3–.86 2.4S–.10 68.1E–.20 11 4.2b,3.9s 23 7-152
IDC V 05 06 33 29.4–.99 2.39S 68.11E 0 4.0,3.9 **¶13678373**
ISCJB V 05 06 33 29.2–.77 2.29S–.10 68.2E–.10 11 4.2b,3.9s
NEIC V 05 06 33 31.1–.73 2.28S 68.14E 10 4.6b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=25.2km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=12.7km az=158.4.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=13.2km az=68.0.
IDC VI 02 19 48 20.8–1.1 2.19S 69.08E 0 3.9,3.7
¶16066242
IDC Error ellipse: s-maj=30.8km s-min=20.3km az=33.0.
IDC VI 03 23 26 13.8–.88 5.76N 61.53E 0 3.8,3.6
¶16100915
IDC Error ellipse: s-maj=24.4km s-min=19.5km az=2.0.
ISC VI 10 22 47 24.6–.63 2.8S–.10 67.9E–.10 11 4.0s,4.0b 27 6-152
ISCJB VI 10 22 47 22.6–.52 2.80S–.08 68.00E–.10 11 4.0s,4.0b **¶13681131**
IDC VI 10 22 47 23.0–1.0 2.80S 67.94E 0 4.1s,4.0

NEIC VI 10 22 47 24.2–.48 2.81S 67.94E 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=11.9km az=171.5.
IDC Error ellipse: s-maj=27.1km s-min=23.3km az=20.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=11.3km az=93.0.

(423) Laccadive Sea.

IDC II 22 07 40 27.4–.92 2.90N 75.65E 0 3.9,3.8
¶15956925
IDC Error ellipse: s-maj=27.8km s-min=21.8km az=63.0.

(424) Sri Lanka.

ISC IV 15 03 17 58.7–.70 6.6N–.10 82.4E–.10 10 4.1b 35 11-87
IDC IV 15 03 17 57.5–.75 6.79N 82.61E 0 4.1,4.0 **¶12935323**
NEIC IV 15 03 17 59.0–.61 6.80N 82.62E 10 4.5b,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=33.1km s-min=16.1km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=27.6km s-min=13.7km az=223.0. Felt at Badulla, Kandy, Matara and Monaragala.

(425) South Indian Ocean.

IDC III 06 12 15 53.7–1.0 36.01S 53.93E 0 4.1,3.9b
¶12702562
IDC Error ellipse: s-maj=47.8km s-min=21.1km az=17.0.
IDC III 17 00 08 28.9–2.4 3.59S 88.36E 0 3.6,3.6
¶12703469
IDC Error ellipse: s-maj=70.7km s-min=38.9km az=142.0.
IDC III 23 15 28 47.5–6.5 15.83S 95.01E 0 3.6,3.5b
¶12635393
IDC Error ellipse: s-maj=216.0km s-min=25.3km az=46.0.
ISC IV 19 18 58 25.6–.55 37.3S–.10 52.2E–.10 10 4.3b,4.0s 42 19-153
ISCJB IV 19 18 58 23.9–.49 37.25S–.09 52.3E–.10 10 4.2b,4.0s **¶12935629**
IDC IV 19 18 58 24.2–.60 37.29S 52.23E 0 4.2,4.1
NEIC IV 19 18 58 26.6–.51 37.28S 52.24E 10 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=11.3km az=140.5.
IDC Error ellipse: s-maj=21.3km s-min=16.4km az=38.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=13.7km az=48.0.
ISC V 14 03 47 19.8–.66 25.0S–.10 83.0E–.20 10 4.3b,3.6s 17 32-157
IDC V 14 03 47 17.8–.79 24.98S 82.89E 0 4.4,4.2 **¶16155732**
ISCJB V 14 03 47 18.2–.51 25.0S–.10 83.1E–.10 10 4.3b,3.6s
ISC Event type ke.
ISCJB Event type ke.
IDC V 31 22 53 42.8–1.1 37.59S 51.63E 0 3.9,3.7b
¶16066135
IDC Error ellipse: s-maj=42.8km s-min=32.7km az=14.0.

(426) Chagos Archipelago region.

IDC I 10 18 31 21.0–4.1 4.97S 69.09E 0 3.7,3.6b
¶12080972
IDC Error ellipse: s-maj=139.1km s-min=28.3km az=63.0.
ISC I 15 23 24 54.4–.85 8.2S–.20 68.18E–.08 15 4.2b 35 4-158
ISCJB I 15 23 24 52.3–.72 8.1S–.10 68.19E–.06 15 4.3s,4.1b **¶12081386**
IDC I 15 23 24 52.7–1.3 8.16S 68.14E 0 4.4s,4.4
NEIC I 15 23 24 53.6–.65 8.18S 68.16E 10 4.5b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=8.3km az=0.8.
IDC Error ellipse: s-maj=43.6km s-min=22.1km az=49.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=11.7km az=179.0.
IDC I 23 13 10 28.4–4.2 4.82S 68.97E 0 3.7,3.6b
¶12082127
IDC Error ellipse: s-maj=139.4km s-min=29.9km az=64.0.
IDC I 23 13 15 41.0–2.8 4.43S 68.39E 0 3.8,3.6b
¶12082128
IDC Error ellipse: s-maj=77.2km s-min=35.5km az=63.0.
ISC I 23 13 18 39.6–.70 5.2S–.20 68.5E–.10 10 4.5b,4.4s 125 4-155
ISCJB I 23 13 18 37.7–.70 5.1S–.10 68.6E–.10 10 4.5s,4.4b **¶12082129**
IDC I 23 13 18 38.5–.78 5.12S 68.46E 0 4.4s,4.4
NEIC I 23 13 18 39.8–.51 5.13S 68.56E 10 5.1b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=10.3km az=135.5.
IDC Error ellipse: s-maj=27.0km s-min=15.9km az=41.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=8.6km az=46.0.
ISC I 23 13 36 26.7–.70 5.1S–.10 68.6E–.10 10 4.3b,4.1s 102 5-155
ISCJB I 23 13 36 24.7–.75 5.1S–.10 68.5E–.10 10 4.3b,4.2s **¶12082130**
IDC I 23 13 36 25.5–.80 5.11S 68.45E 0 4.2s,4.2
NEIC I 23 13 36 26.7–.52 5.14S 68.51E 10 4.8b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=12.3km az=42.6.
IDC Error ellipse: s-maj=27.8km s-min=17.1km az=32.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.0km az=43.0.
IDC I 23 13 40 08.5–1.5 5.02S 68.69E 0 4.0,3.8b
¶12082131
IDC Error ellipse: s-maj=49.8km s-min=23.2km az=57.0.
IDC I 23 13 47 51.9–2.8 5.28S 68.19E 0 3.8s,3.8
¶12082133
IDC Error ellipse: s-maj=71.3km s-min=25.0km az=53.0.
IDC I 23 14 15 06.0–2.6 5.83S 68.05E 0 3.7,3.5b
¶12082136
IDC Error ellipse: s-maj=72.5km s-min=35.4km az=62.0.
IDC I 23 14 38 42.9–2.9 5.09S 68.09E 0 3.8s,3.8
¶12082137
IDC Error ellipse: s-maj=84.7km s-min=32.4km az=67.0.
IDC I 23 15 17 27.7–2.5 5.07S 68.54E 0 3.9,3.8s
¶12082140
IDC Error ellipse: s-maj=73.3km s-min=27.0km az=66.0.
IDC II 14 22 20 35.2–1.6 8.07S 68.01E 0 3.9,3.7
¶15956090
IDC Error ellipse: s-maj=46.7km s-min=27.7km az=45.0.
ISC II 15 08 29 42.5–.54 8.3S–.10 68.13E–.08 10 4.3b,4.0s 59 4-158
ISCJB II 15 08 29 40.6–.47 8.21S–.09 68.19E–.07 10 4.3b,4.0s **¶12700776**
IDC II 15 08 29 40.7–.74 8.31S 68.10E 0 4.3,4.2b
NEIC II 15 08 29 42.5–.35 8.27S 68.14E 10 4.6b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=9.6km az=178.1.
IDC Error ellipse: s-maj=24.8km s-min=15.4km az=42.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.0km az=173.0.
ISC II 25 13 07 21.2–.66 4.2S–.10 69.4E–.10 10 4.5b,3.6s 42 4-154
ISCJB II 25 13 07 19.4–.67 4.17S–.09 69.5E–.10 10 4.4b,3.5s **¶12701831**
IDC II 25 13 07 19.8–.80 4.16S 69.46E 0 4.4,4.3b
NEIC II 25 13 07 21.2–.44 4.20S 69.42E 10 4.8b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=10.9km az=151.4.
IDC Error ellipse: s-maj=25.1km s-min=17.8km az=62.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=8.5km az=59.0.
ISC IV 05 12 56 15.4–.34 5.16S–.04 68.52E–.04 14–1 5.3b,5.2s 1274 5-158
BJI IV 05 12 56 11.7 5.24S 68.41E 10 5.5b,5.4s **¶14405909**
ISCJB IV 05 12 56 12.5–.94 5.25S–.03 68.53E–.02 8–5 5.2b,5.1s
IDC IV 05 12 56 12.7–.38 5.25S 68.59E 0 5.0s,5.0
MOS IV 05 12 56 14.5–2.5 5.30S 68.60E 10 5.6b,5.0s
NEIC IV 05 12 56 14.5–.13 5.26S 68.55E 10 5.6W,5.4b
GCMT IV 05 12 56 17.7–.10 5.36S 68.59E 12 5.6W,5.4b
DJA IV 05 12 56 19.8–2.1 5S–5.0 69E–3.0 32–16 5.7b,5.7
SZGRF IV 05 12 56 26.7 3.94S 66.90E 10 5.0b,4.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.0km az=163.2.
IDC Error ellipse: s-maj=12.8km s-min=10.7km az=31.0.
MOS Error ellipse: s-maj=10.3km s-min=4.0km az=120.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.6km az=208.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=225, per= 50. Moment Tensor Solution. s77,c114; s52,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.55±.03 $M_{\theta\theta}$1.52±.03; $M_{\phi\phi}$1.03±.03; $M_{r\theta}$1.10±.08; $M_{\theta\phi}$-1.34±.02; $M_{\phi r}$-0.25±.09; Best double couple: NP1:ϕ_s140.00000°,δ35.00000°,λ-73.00000°. NP2:ϕ_s299.00000°,δ56.00000°,λ-102.00000°. Principal axes: T 2.8300,Plg11.0000°,Azm38.0000°; N 0.0000,Plg10.0000°,Azm306.0000° ; P -2.8300,Plg75.0000°,Azm174.0000° M_o2.80000×10^{17}
SZGRF South Indian Ocean.
IDC IV 05 13 05 17.5–1.2 5.27S 68.65E 0 4.0,3.9
¶16152415
IDC Error ellipse: s-maj=40.4km s-min=20.3km az=41.0.
ISC IV 05 13 14 51.0–.53 5.27S–.09 68.57E–.08 13 4.8b,4.6s 258 4-155
BJI IV 05 13 14 44.4 5.69S 68.32E 5 5.2b,4.9s **¶13437976**
IDC IV 05 13 14 48.7–.71 5.33S 68.51E 0 4.4,4.2
ISCJB IV 05 13 14 48.9–.46 5.35S–.08 68.56E–.05 13 4.6s,4.6b
NEIC IV 05 13 14 50.2–.27 5.37S 68.60E 10 4.9b,4.6b
MOS IV 05 13 14 50.3–2.0 5.30S 68.60E 10 5.0b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=16.3km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.8km az=176.3.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.4km az=210.0.
MOS Error ellipse: s-maj=12.0km s-min=6.9km az=111.2.
IDC IV 05 13 25 28.0–18 4.87S 69.44E 0 3.6,3.3
¶16152416
IDC Error ellipse: s-maj=600.1km s-min=41.3km az=65.0.
ISC IV 16 08 55 20.0–.58 5.5S–.10 68.74E–.07 13 4.3b,3.7s 38 4-155
ISCJB IV 16 08 55 18.2–.54 5.41S–.10 68.68E–.06 13 4.2b,3.7s **¶12935371**
IDC IV 16 08 55 18.2–.83 5.42S 68.61E 0 4.2,4.1b
NEIC IV 16 08 55 20.0–.39 5.42S 68.74E 10 4.4b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=8.0km az=6.5.
IDC Error ellipse: s-maj=24.4km s-min=20.6km az=41.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=8.4km az=206.0.
ISC V 01 07 18 58.6–.54 5.06S–.07 68.49E–.06 18–1 4.6b,4.5s 190 5-155
BJI V 01 07 18 50.8 5.48S 67.98E 6 5.3b,4.9s **¶12742825**
IDC V 01 07 18 56.0–.71 4.89S 68.56E 0 4.4s,4.4
ISCJB V 01 07 18 55.9–.39 5.05S–.07 68.55E–.04 10 4.5b,4.5s
NEIC V 01 07 18 58.1–.37 4.98S 68.58E 10 4.9b,4.5s
DJA V 01 07 18 59.2–1.1 5S–9.0 69E–15 10 6.9b,6.8
GCMT V 01 07 19 00.3–.40 5.34S 68.66E 20–1 5.1W,6.8
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=15.5km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=178.7.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.3km az=191.0.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s14,c15; s68,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.65±.42 $M_{\theta\theta}$2.07±.30; $M_{\phi\phi}$2.58±.28; $M_{r\theta}$-3.69±.60; $M_{\theta\phi}$-2.88±.19; $M_{\phi r}$-2.83±.48; Best double couple: NP1:ϕ_s344.00000°,δ50.00000°,λ-45.00000°. NP2:ϕ_s107.00000°,δ57.00000°,λ-130.00000°. Principal axes: T 5.2400,Plg4.0000° ,Azm225.0000°; N 2.4400,Plg33.0000°,Azm132.0000°; P -7.6800,Plg57.0000° ,Azm320.0000° M_o6.50000×10^{16}
IDC V 01 09 09 06.7–1.3 5.05S 68.44E 0 4.2,4.0b
¶16154696
IDC Error ellipse: s-maj=42.5km s-min=22.0km az=49.0.
ISC V 08 02 19 52.9–.38 3.16S–.06 69.20E–.06 10 4.6b,4.1s 139 5-151
ISCJB V 08 02 19 50.9–.37 3.13S–.06 69.17E–.05 10 4.6b,4.0s **¶12784427**
BJI V 08 02 19 51.8 2.84S 68.99E 11 4.9b,4.8s
IDC V 08 02 19 52.0–.64 2.94S 69.01E 0 4.4,4.4b
NEIC V 08 02 19 52.8–.34 3.10S 69.16E 10 4.6b,4.4b
DJA V 08 02 19 57.5–2.4 3S–13 69E–10 48–29 4.9,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 19 07 03 58.3–2.6 7.05S 68.05E 0 3.8,3.6
¶12838185
IDC Error ellipse: s-maj=106.6km s-min=34.6km az=55.0.
ISC V 19 07 22 43.9–.42 7.01S–.08 68.04E–.06 12 4.4b,4.2s 108 4-156
IDC V 19 07 22 42.3–.55 7.02S 68.01E 0 4.2s,4.2 **¶12848919**
BJI V 19 07 22 42.7 7.00S 68.00E 10 5.1b,4.8s
ISCJB V 19 07 22 42.3–.35 6.96S–.06 68.08E–.04 12 4.4b,4.2s
NEIC V 19 07 22 43.7–.25 7.05S 68.03E 10 4.6b,4.2s
GCMT V 19 07 22 44.8–.20 7.34S 67.97E 13–0 5.0W,4.2s
SZGRF V 19 07 22 50.8 6.00S 67.82E 33 4.8b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=15.8km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.3km az=9.6.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.0km az=169.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s20,c24; s78,c122; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.71±.21 $M_{\theta\theta}$1.65±.14; $M_{\phi\phi}$2.06±.14; $M_{r\theta}$-0.47±.40; $M_{\theta\phi}$-1.92±.09; $M_{\phi r}$-0.31±.36; Best double couple: NP1:ϕ_s326.00000°,δ45.00000°,λ-78.00000°. NP2:ϕ_s130.00000°,δ46.00000°,λ-102.00000°. Principal axes: T 3.7900,Plg1.0000° ,Azm228.0000°; N 0.0100,Plg8.0000°,Azm138.0000°; P -3.7900,Plg81.0000°,Azm323.0000° M_o3.80000×10^{16}
SZGRF Carlsberg Ridge.
IDC V 20 09 40 01.8–2.0 6.53S 68.22E 0 3.8,3.8b
¶16155943
IDC Error ellipse: s-maj=58.4km s-min=33.1km az=145.0.
IDC V 20 10 23 42.2–5.8 5.70S 68.72E 0 3.8,3.5
¶16155946
IDC Error ellipse: s-maj=387.3km s-min=35.4km az=41.0.
IDC V 20 10 42 15.3–2.8 6.57S 68.56E 0 3.8,3.8b
¶16155947
IDC Error ellipse: s-maj=153.0km s-min=23.6km az=44.0.
ISC V 20 15 18 38.0–.44 7.13S–.06 68.03E–.06 17–1 4.8b,4.1s 411 4-157
BJI V 20 15 18 35.5 7.20S 68.10E 10 4.9b,4.7s **¶12844589**
IDC V 20 15 18 35.1–.43 7.14S 67.99E 0 4.4,4.3
MOS V 20 15 18 35.1–.74 7.06S 68.04E 10 5.1b,4.3
ISCJB V 20 15 18 36.1–.30 7.13S–.05 68.00E–.04 17 4.7b,4.1s
NEIC V 20 15 18 36.6–.20 7.13S 68.03E 10 5.0b,4.1s
SZGRF V 20 15 18 42.1 7.51S 66.51E 33 5.0b,4.1s
DJA V 20 15 19 23.1–5.6 4S–15 70E–7.0 182–61 6.2b,5.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
SZGRF Mid-Indian Ridge.
ISC V 30 10 50 32.2–.38 5.70S–.07 68.49E–.06 13 4.2b,4.2s 98 4-155
IDC V 30 10 50 29.8–.62 5.63S 68.48E 0 4.1,4.0s **¶12870881**
ISCJB V 30 10 50 30.2–.33 5.68S–.06 68.45E–.05 13 4.2b,4.1s
BJI V 30 10 50 30.4 5.70S 68.50E 10 4.8b,4.6b
NEIC V 30 10 50 32.1–.31 5.67S 68.48E 10 4.4b,4.6b
GCMT V 30 10 50 33.0–.30 5.76S 68.31E 19–1 5.0W,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=17.5km az=6.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.6km az=139.9.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.7km az=143.0.
GCMT Event type se. Data Used: IC II G IU CN. Moment Tensor Solution. s9,c11; s76,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.50±.24 $M_{\theta\theta}$-2.43±.13; $M_{\phi\phi}$3.93±.18; $M_{r\theta}$-0.94±.35; $M_{\theta\phi}$0.70±.12; $M_{\phi r}$-0.59±.29; Best double couple: NP1:ϕ_s144.00000°,δ63.00000°,λ-162.00000°. NP2:ϕ_s46.00000°,δ74.00000°,λ-28.00000°. Principal axes: T 4.0900,Plg7.0000° ,Azm97.0000°; N -1.0700,Plg58.0000°,Azm199.0000°; P -3.0300,Plg31.0000°,Azm3.0000° M_o3.60000×10^{16}
IDC VI 10 13 59 15.4–3.4 7.83S 68.16E 0 3.6,3.6b
¶16101181
IDC Error ellipse: s-maj=93.0km s-min=70.2km az=174.0.
IDC VI 11 01 58 18.1–2.2 7.97S 68.35E 0 3.6,3.5b
¶16101194
IDC Error ellipse: s-maj=94.9km s-min=33.8km az=47.0.
ISC VI 12 05 04 38.4–.91 8.3S–.20 68.38E–.09 10 3.9b,3.5s 24 4-149
ISCJB VI 12 05 04 36.3–.86 8.2S–.20 68.34E–.07 10 3.9b,3.6s **¶13681206**
IDC VI 12 05 04 37.2–.98 8.24S 68.34E 0 3.9,3.8b
NEIC VI 12 05 04 39.0–.72 8.23S 68.43E 10 4.3b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=9.9km az=0.8.
IDC Error ellipse: s-maj=31.3km s-min=24.6km az=44.0.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=14.8km az=188.0.
ISC VI 25 12 29 21.1–.81 5.4S–.20 68.8E–.10 10 4.2b,4.0s 35 4-155

ISCJB VI 25 12 29 18.6–.81 5.4S–.10 68.74E–.09 10 4.1b,3.9s ¶13682008
IDC VI 25 12 29 19.3–1.6 5.44S 68.69E 0 4.2,4.0
NEIC VI 25 12 29 21.0–.58 5.41S 68.79E 10 4.2b,4.0
GCMT VI 25 12 29 22.9–.40 5.56S 68.52E 12 4.9W,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=11.9km az=24.3.
IDC Error ellipse: s-maj=45.7km s-min=24.5km az=46.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=11.3km az=22.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s11,c13; s66,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.12 $M_{\theta\theta}$-1.80±.09; $M_{\phi\phi}$2.48±.09; $M_{r\theta}$-0.99±.32; $M_{\theta\phi}$-0.15±.10; $M_{\phi r}$-0.01±.28; Best double couple: NP1:ϕ_s39.00000°,δ69.00000°,λ-22.00000°. NP2:ϕ_s137.00000°,δ70.00000°,λ-157.00000°. Principal axes: T 2.4800,Plg0.0000° ,Azm268.0000°; N -0.1100,Plg60.0000°,Azm177.0000°; P -2.3800,Plg30.0000° ,Azm358.0000° M_o2.40000×10^{16}
IDC VI 26 10 56 17.9–3.4 7.72S 68.40E 0 3.6s,3.6
¶16101746
IDC Error ellipse: s-maj=115.9km s-min=32.3km az=61.0.

(427) Mauritius - Reunion region.

ISC I 02 15 10 29.9–.88 19.9S–.20 66.3E–.20 16 4.2b,4.2s 21 18-147
IDC I 02 15 10 27.6–1.0 19.99S 66.21E 0 4.1s,4.1 ¶12079827
ISCJB I 02 15 10 27.9–.81 20.0S–.10 66.3E–.20 16 4.1s,4.0b
NEIC I 02 15 10 28.8–.61 20.02S 66.22E 10 4.6b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=26.0km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=25.3km s-min=17.3km az=141.2.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=14.0km az=48.0.
ISC I 02 15 15 01.9–.67 20.1S–.20 66.2E–.10 16 4.3b 32 38-167
IDC I 02 15 14 59.2–.74 20.10S 66.25E 0 4.1,4.0b ¶12079828
NEIC I 02 15 15 00.9–.54 20.04S 66.22E 10 4.7b,4.0b
ISCJB I 02 15 15 00.0–.62 20.1S–.10 66.3E–.10 16 4.1b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 10 14 16 55.7–4.1 20.38S 65.76E 0 3.9,3.7
¶12080954
IDC Error ellipse: s-maj=125.6km s-min=30.3km az=57.0.
IDC I 10 14 33 12.8–1.4 20.16S 66.20E 0 4.1,4.0b
¶12080955
IDC Error ellipse: s-maj=43.2km s-min=23.6km az=33.0.
IDC I 10 14 45 49.0–1.4 19.71S 66.74E 0 4.5L,3.9
¶12080957
IDC Error ellipse: s-maj=41.4km s-min=25.9km az=28.0.
ISC I 21 06 27 58.3–.41 20.22S–.06 66.36E–.06 14–1 5.0b,4.5s 298 8-167
BJI I 21 06 27 52.5 20.34S 65.97E 10 5.2b,5.1s ¶11615822
ISCJB I 21 06 27 56.9–.28 20.09S–.05 66.49E–.05 15 4.9b,4.5s
IDC I 21 06 27 56.2–.44 20.09S 66.52E 0 4.6,4.6
TEH I 21 06 27 57.0 20.20S 66.37E 10 5.1L,4.6
NEIC I 21 06 27 57.5–.22 20.18S 66.41E 10 5.2b,4.6
DJA I 21 06 27 58 19.96S 66.29E 10 5.0b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.5km az=171.7.
IDC Error ellipse: s-maj=16.5km s-min=11.4km az=14.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.2km az=167.0.
IDC I 24 01 07 38.7–16 19.29S 64.82E 0 3.9,3.7b
¶12082171
IDC Error ellipse: s-maj=532.3km s-min=39.5km az=58.0.
ISC II 15 23 27 24.0–.51 20.3S–.10 66.3E–.10 10 4.7b,4.0s 100 18-167
BJI II 15 23 27 21.4 20.33S 66.07E 18 5.3b,4.6b ¶11677950
ISCJB II 15 23 27 22.2–.41 20.17S–.08 66.41E–.08 10 4.7b,4.0s
IDC II 15 23 27 22.3–.51 20.21S 66.36E 0 4.6,4.5
NEIC II 15 23 27 23.9–.25 20.19S 66.36E 10 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=9.6km az=33.8.
IDC Error ellipse: s-maj=16.9km s-min=14.1km az=30.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.8km az=214.0.
ISC III 09 03 44 25.0–.50 17.2S–.10 66.77E–.09 21 4.5b,4.3s 91 19-165
IDC III 09 03 44 21.6–.51 17.20S 66.76E 0 4.4s,4.4 ¶11845732
ISCJB III 09 03 44 23.2–.37 17.21S–.08 66.83E–.07 21 4.4s,4.3b
NEIC III 09 03 44 23.3–.28 17.18S 66.80E 10 4.6b,4.3b
BJI III 09 03 44 26.7 17.10S 66.60E 33 4.3b,4.3b
GCMT III 09 03 44 28.7–.20 17.07S 66.70E 18–1 5.2W,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=15.1km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=9.0km az=2.5.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.7km az=179.0.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s44,c61; s85,c152; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.63±.21 $M_{\theta\theta}$-6.98±.20; $M_{\phi\phi}$7.61±.20; $M_{r\theta}$-1.45±.44; $M_{\theta\phi}$3.56±.16; $M_{\phi r}$-2.02±.43; Best double couple: NP1:ϕ_s147.00000°,δ75.00000°,λ176.00000°. NP2:ϕ_s238.00000°,δ86.00000°,λ15.00000°. Principal axes: T 8.9800,Plg13.0000° ,Azm104.0000°; N -1.0500,Plg74.0000°,Azm253.0000°; P -7.9300,Plg8.0000°,Azm12.0000° M_o8.50000×10^{16}
ISC IV 10 06 51 47.8–.30 18.47S–.06 65.87E–.06 10 5.2b,4.3s 796 18-166
BJI IV 10 06 51 39.9 18.91S 65.20E 6 5.1b,5.0s ¶12578497
IDC IV 10 06 51 45.9–.41 18.44S 65.96E 0 4.9,4.8
ISCJB IV 10 06 51 45.8–.22 18.47S–.05 65.98E–.04 10 5.0b,4.3s
MOS IV 10 06 51 46.0–.82 18.38S 66.01E 10 5.4b,4.3s
NEIC IV 10 06 51 47.5–.12 18.47S 65.94E 10 5.2b,4.3s
DJA IV 10 06 51 49.2–7.4 19S–9.0 66E–8.0 21–56 5.5b,5.1b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC IV 10 07 31 27.0–3.7 18.59S 65.71E 0 4.2,4.0
¶16152620
IDC Error ellipse: s-maj=113.4km s-min=26.6km az=57.0.
IDC IV 10 09 07 57.4–8.5 18.65S 65.63E 0 3.8,3.7
¶16152622
IDC Error ellipse: s-maj=286.9km s-min=30.4km az=55.0.
ISC IV 15 14 07 10.8–.40 18.49S–.06 65.90E–.06 14–1 5.0b,4.4s 667 18-166
BJI IV 15 14 07 03.9 18.80S 65.42E 5 5.1b,4.9s ¶12590728
ISCJB IV 15 14 07 08.5–2.1 18.50S–.05 65.94E–.04 10–13 5.0b,4.4s
IDC IV 15 14 07 08.6–.45 18.47S 65.97E 0 4.7,4.7
NEIC IV 15 14 07 10.0–.15 18.49S 65.95E 10 5.2b,4.7
MOS IV 15 14 07 10.3–.66 18.45S 65.99E 22 5.4b,4.7
DJA IV 15 14 07 14.7–4.3 19S–7.0 66E–5.0 36–33 4.9,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC V 01 04 33 11.3–.41 18.68S–.09 65.42E–.10 15 4.6b,4.0s 148 17-165
MOS V 01 04 33 08.8–.83 18.67S 65.46E 10 4.9b,4.0s ¶12754037
IDC V 01 04 33 09.2–.46 18.66S 65.48E 0 4.2,4.1
ISCJB V 01 04 33 09.8–.36 18.65S–.07 65.51E–.07 15 4.4b,3.9s
NEIC V 01 04 33 10.4–.25 18.70S 65.45E 10 4.7b,3.9s
ISC Event type se.
MOS Error ellipse: s-maj=14.7km s-min=8.3km az=96.1.
IDC Error ellipse: s-maj=18.0km s-min=13.5km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=9.6km az=39.1.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=8.0km az=123.0.
ISC V 01 04 41 54.4–.40 18.74S–.09 65.47E–.09 15 4.4b,3.8s 72 17-166
IDC V 01 04 41 51.9–.53 18.74S 65.49E 0 4.2,4.1 ¶13678154
ISCJB V 01 04 41 52.7–.38 18.76S–.08 65.53E–.08 15 4.2b,3.8s
NEIC V 01 04 41 53.7–.26 18.75S 65.50E 10 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=15.9km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=10.1km az=146.9.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=8.1km az=151.0.
IDC V 10 06 07 30.0–14 21.06S 65.61E 0 4.1s,4.1
¶16155570
IDC Error ellipse: s-maj=467.6km s-min=32.0km az=56.0.
IDC V 10 06 08 60.0–.88 20.05S 66.34E 0 4.0s,4.0
¶16155571
IDC Error ellipse: s-maj=34.3km s-min=21.3km az=85.0.
IDC V 10 06 31 34.4–.99 20.04S 66.42E 0 3.9,3.8b
¶16155573
IDC Error ellipse: s-maj=35.1km s-min=23.9km az=60.0.
ISC V 11 21 37 07.8–.44 17.30S–.09 66.58E–.09 21 4.3b,4.3s 86 18-154
IDC V 11 21 37 04.5–.51 17.22S 66.63E 0 4.3,4.3 ¶13439511
BJI V 11 21 37 05.8 17.20S 66.60E 10 5.0b,4.6s
NEIC V 11 21 37 05.8–.27 17.25S 66.64E 10 4.7b,4.6s
ISCJB V 11 21 37 05.7–.36 17.25S–.07 66.62E–.07 21 4.3s,4.3b
GCMT V 11 21 37 09.0–.20 17.22S 66.49E 12 5.0W,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=14.6km az=9.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.6km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=8.1km az=140.4.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s24,c29; s80,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.05±.10 $M_{\theta\theta}$-3.24±.10; $M_{\phi\phi}$3.29±.09; $M_{r\theta}$-0.67±.28; $M_{\theta\phi}$1.38±.08; $M_{\phi r}$-1.58±.27; Best double couple: NP1:ϕ_s144.00000°,δ70.00000°,λ169.00000°. NP2:ϕ_s238.00000°,δ80.00000°,λ20.00000°. Principal axes: T 4.2300,Plg22.0000° ,Azm102.0000°; N -0.6800,Plg67.0000°,Azm264.0000°; P -3.5600,Plg6.0000°,Azm10.0000° M_o3.90000×10^{16}
IDC VI 02 03 07 59.5–1.6 18.74S 64.95E 0 4.2,3.9
¶16066192
IDC Error ellipse: s-maj=56.7km s-min=28.3km az=77.0.
IDC VI 02 03 09 10.9–1.5 17.83S 65.89E 0 3.9,3.8
¶16066193
IDC Error ellipse: s-maj=51.3km s-min=26.8km az=40.0.
ISC VI 08 12 10 42.1–.39 20.09S–.09 66.5E–.10 16 4.6b,3.9s 112 18-167
BJI VI 08 12 10 38.0 20.10S 66.40E 10 5.0b,4.6b ¶12948701
IDC VI 08 12 10 39.6–.43 20.09S 66.55E 0 4.5,4.4
ISCJB VI 08 12 10 40.3–.35 20.07S–.07 66.56E–.08 16 4.4b,3.9s
NEIC VI 08 12 10 41.0–.25 20.09S 66.53E 10 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=13.8km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=9.6km az=154.8.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.4km az=89.0.
IDC VI 09 10 27 38.8–1.6 18.32S 64.69E 0 3.9,3.9L
¶16101148
IDC Error ellipse: s-maj=54.4km s-min=32.2km az=38.0.

(428) Southwest Indian Ridge.

IDC I 04 16 28 51.0–2.7 31.63S 58.33E 0 4.0,3.8
¶12080241
IDC Error ellipse: s-maj=82.6km s-min=33.5km az=115.0.
IDC I 04 20 31 06.4–1.7 28.99S 62.15E 0 3.9,3.8b
¶12080281
IDC Error ellipse: s-maj=54.9km s-min=30.2km az=14.0.
ISC I 11 05 25 28.5–.72 38.1S–.20 49.2E–.20 10 4.2b,3.5s 23 20-154
IDC I 11 05 25 26.8–.75 38.11S 49.17E 0 4.2,4.1b ¶12081012
ISCJB I 11 05 25 27.0–.61 38.1S–.10 49.2E–.20 10 4.1b,3.5s
NEIC I 11 05 25 28.6–.47 38.14S 49.13E 10 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=18.3km az=34.0.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=12.9km az=36.9.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=10.8km az=215.0.
IDC I 14 09 38 01.8–.76 31.94S 57.31E 0 4.3L,4.2
¶12081260
IDC Error ellipse: s-maj=25.4km s-min=24.3km az=49.0.
ISC II 03 11 11 30.7–.61 38.8S–.20 46.6E–.10 18 4.3b,3.6s 44 20-168
IDC II 03 11 11 27.8–.60 38.80S 46.64E 0 4.3,4.3b ¶12699462
ISCJB II 03 11 11 29.1–.62 38.9S–.20 46.5E–.10 18 4.3b,3.6s
NEIC II 03 11 11 29.4–.38 38.83S 46.58E 10 4.7b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=17.2km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=13.5km az=22.2.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=10.2km az=22.0.
ISC II 04 05 39 17.1–.49 36.3S–.10 52.7E–.10 10 4.3b,3.7s 60 15-173
ISCJB II 04 05 39 15.4–.45 36.34S–.08 52.7E–.10 10 4.3b,3.7s ¶12699514
IDC II 04 05 39 15.7–.56 36.25S 52.62E 0 4.4,4.3
NEIC II 04 05 39 17.0–.31 36.32S 52.67E 10 4.7b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=9.6km az=144.4.
IDC Error ellipse: s-maj=24.1km s-min=15.8km az=25.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.1km az=57.0.
IDC II 12 12 35 19.6–2.7 30.45S 60.44E 0 4.1,4.0
¶15955699
IDC Error ellipse: s-maj=89.0km s-min=43.2km az=48.0.
IDC II 27 14 03 52.1–1.0 37.92S 49.65E 0 3.9,3.8
¶15957456
IDC Error ellipse: s-maj=36.1km s-min=22.5km az=24.0.
IDC III 10 23 05 27.5–4.8 27.34S 63.71E 0 4.0,3.8b
¶12702925
IDC Error ellipse: s-maj=178.1km s-min=93.5km az=149.0.
IDC III 12 12 26 47.8–.87 38.57S 47.81E 0 4.2,4.1b
¶12703074
IDC Error ellipse: s-maj=50.5km s-min=20.1km az=27.0.
ISC III 19 10 49 04.9–.55 28.1S–.10 63.62E–.10 10 4.2b,3.8s 56 18-169
ISCJB III 19 10 49 03.0–.47 28.0S–.10 63.59E–.09 10 4.2b,3.9s ¶12703672
IDC III 19 10 49 03.4–.55 28.00S 63.56E 0 4.2,4.1
NEIC III 19 10 49 04.9–.38 28.04S 63.65E 10 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=11.8km az=10.3.
IDC Error ellipse: s-maj=19.3km s-min=15.3km az=16.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.2km az=193.0.
IDC III 21 13 36 08.1–1.4 28.06S 63.14E 0 3.8,3.7b
¶12635186
IDC Error ellipse: s-maj=45.7km s-min=28.3km az=79.0.
IDC III 28 05 54 37.1–1.6 38.24S 50.23E 0 4.1,3.8
¶12635743
IDC Error ellipse: s-maj=75.9km s-min=27.5km az=28.0.
ISC III 28 05 55 37.1–.75 37.7S–.20 50.5E–.20 10 4.1s,4.1b 20 34-154
ISCJB III 28 05 55 35.4–.73 37.7S–.20 50.5E–.20 10 4.1s,4.0b ¶12635744
IDC III 28 05 55 35.5–.79 37.73S 50.53E 0 4.2,4.0s
NEIC III 28 05 55 37.2–.47 37.71S 50.52E 10 4.6b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=19.3km az=33.0.
IDC Error ellipse: s-maj=33.4km s-min=22.9km az=34.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=13.8km az=212.0.
IDC III 28 05 58 23.2–1.6 38.07S 50.26E 0 4.0,3.8b
¶12635745
IDC Error ellipse: s-maj=86.9km s-min=29.0km az=27.0.
IDC III 28 05 59 36.4–.90 37.89S 50.57E 0 4.0,3.9b
¶12635746
IDC Error ellipse: s-maj=36.0km s-min=27.0km az=53.0.
IDC III 28 06 03 55.9–3.0 36.22S 51.33E 0 3.7,3.5b
¶12635747
IDC Error ellipse: s-maj=276.9km s-min=29.3km az=27.0.
IDC III 28 06 08 41.8–2.1 37.48S 50.56E 0 3.9,3.7b
¶12635748
IDC Error ellipse: s-maj=144.9km s-min=29.0km az=29.0.
IDC III 28 06 12 02.6–2.1 37.41S 50.65E 0 3.6,3.4b
¶12635749
IDC Error ellipse: s-maj=146.7km s-min=29.0km az=29.0.
ISC III 28 11 10 26.6–.49 37.72S–.09 50.9E–.10 16 4.2b,3.9s 57 17-157
IDC III 28 11 10 24.1–.50 37.73S 50.75E 0 4.2b,4.2 ¶12635767
ISCJB III 28 11 10 25.0–.43 37.74S–.07 50.8E–.10 16 4.1b,3.9s
NEIC III 28 11 10 25.8–.41 37.72S 50.85E 10 4.6b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=14.8km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=10.3km az=171.5.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=11.3km az=71.0.
IDC III 28 11 37 37.4–12 36.87S 51.22E 0 3.9,3.6b

¶12635769

IDC Error ellipse: s-maj=757.2km s-min=60.1km az=37.0.
IDC III 28 12 01 26.5–6.5 38.00S 50.34E 0 3.9,3.6b

¶12635770

IDC Error ellipse: s-maj=313.4km s-min=49.1km az=44.0.
ISC III 30 18 35 47.1–.53 32.68S–.10 57.1E–.10 16 4.5b 57 16-173
IDC III 30 18 35 44.4–.56 32.69S 57.08E 0 5.4L,4.4 **¶12635973**
ISCJB III 30 18 35 45.4–.38 32.70S–.07 57.1E–.10 16 4.4b,3.8s
NEIC III 30 18 35 45.9–.42 32.73S 57.05E 10 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=15.8km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=9.7km az=166.6.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.3km az=61.0.
IDC IV 10 03 25 09.3–12 32.01S 59.28E 0 3.8,3.6

¶16152612

IDC Error ellipse: s-maj=836.3km s-min=54.4km az=31.0.
IDC V 02 16 20 09.7–41 38.22S 46.96E 0 4.2,4.1

¶16154840

IDC Error ellipse: s-maj=1051.0km s-min=285.1km az=109.0.
ISC V 12 07 13 15.0–.52 36.99S–.08 52.4E–.10 10 4.2b,4.0s 43 18-153
IDC V 12 07 13 13.6–.55 37.03S 52.39E 0 4.1,4.1b **¶12840123**
ISCJB V 12 07 13 13.3–.46 37.03S–.08 52.4E–.10 10 4.1b,3.9s
NEIC V 12 07 13 15.4–.36 37.03S 52.39E 10 4.4b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=10.1km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=9.5km az=146.1.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.3km az=55.0.
IDC V 24 16 12 48.0–1.8 28.80S 61.86E 0 3.7,3.5

¶16156107

IDC Error ellipse: s-maj=52.4km s-min=44.7km az=124.0.
ISC V 26 01 18 55.5–.39 34.81S–.06 54.33E–.06 15–1 5.1b,4.8s 393 14-173
BJI V 26 01 18 52.6 34.80S 54.50E 10 5.3b,5.1s **¶12862823**
IDC V 26 01 18 53.0–.41 34.77S 54.50E 0 4.5L,4.5s
MOS V 26 01 18 53.4–1.1 34.80S 54.51E 10 5.3b,4.9s
NEIC V 26 01 18 54.7–.20 34.79S 54.53E 10 5.2b,4.9s
ISCJB V 26 01 18 54.2–.26 34.84S–.06 54.48E–.07 15 4.9b,4.7s
GCMT V 26 01 18 56.6–.40 34.76S 54.34E 19–1 5.1W,4.7s
DJA V 26 01 19 04.8–.80 35S–17 54E–9.0 125 5.8b,5.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s28,c29; s66,c87;
Moment tensor: Scale 10^{16}Nm; M_{rr}-5.37±.37 $M_{\theta\theta}$4.69±.27; $M_{\phi\phi}$0.69±.24; $M_{r\theta}$0.01±.54;
$M_{\theta\phi}$-0.49±.16; $M_{\phi r}$1.43±.66; Best double couple: NP1:ϕ_s265.00000°,δ45.00000°,λ-108.00000°.
NP2:ϕ_s109.00000°,δ47.00000°,λ-73.00000°. Principal axes: T 4.7500,Plg1.0000°
,Azm187.0000°; N 0.9500,Plg13.0000°,Azm277.0000°; P -5.6900,Plg77.0000°,Azm93.0000°
M_o5.20000×10^{16}
IDC V 26 01 32 43.4–.74 34.75S 54.63E 0 4.1,4.0

¶16156168

IDC Error ellipse: s-maj=31.1km s-min=21.1km az=68.0.
ISC V 26 08 29 53.5–.77 34.9S–.10 54.2E–.20 10 4.1b,3.6s 32 17-152
ISCJB V 26 08 29 51.7–.77 34.9S–.10 54.4E–.20 10 4.2b,3.7s **¶12884527**
IDC V 26 08 29 52.0–.83 34.80S 54.50E 0 4.2,4.0
NEIC V 26 08 29 53.4–.49 34.84S 54.45E 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.2km s-min=12.8km az=144.7.
IDC Error ellipse: s-maj=33.4km s-min=22.2km az=53.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=9.4km az=54.0.
IDC V 27 08 36 08.5–13 32.67S 57.54E 0 3.8,3.6

¶16156217

IDC Error ellipse: s-maj=957.8km s-min=55.1km az=31.0.
ISC V 30 00 04 41.3–.47 37.80S–.09 50.8E–.10 10 4.1b,4.0s 50 19-154
ISCJB V 30 00 04 39.6–.40 37.84S–.08 50.7E–.10 10 4.1b,4.0s **¶13679929**
IDC V 30 00 04 39.9–.55 37.78S 50.81E 0 4.1,4.0
NEIC V 30 00 04 41.1–.44 37.81S 50.71E 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=10.1km az=140.8.
IDC Error ellipse: s-maj=20.4km s-min=15.8km az=56.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.6km az=45.0.
ISC VI 03 04 36 43.1–.28 38.02S–.05 49.05E–.06 10 4.9b,4.7s 271 18-170
BJI VI 03 04 36 39.6 38.00S 49.20E 5 5.3b,5.1s **¶12886833**
IDC VI 03 04 36 41.0–.38 37.90S 49.40E 0 4.6,4.6
ISCJB VI 03 04 36 41.5–.23 37.98S–.05 49.30E–.06 10 4.8b,4.7s
MOS VI 03 04 36 41.6–1.2 37.99S 49.28E 10 5.2b,4.6s
NEIC VI 03 04 36 42.7–.19 37.94S 49.28E 10 5.1b,4.6s
DJA VI 03 04 36 44.4–.40 38S–5.0 49E–8.0 10 4.7,4.7b
GCMT VI 03 04 36 45.6–.10 37.77S 49.43E 12 5.2W,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=11.3km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.2km az=35.7.
MOS Error ellipse: s-maj=17.3km s-min=8.3km az=99.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.9km az=56.0.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s45,c63; s95,c176;
Moment tensor: Scale 10^{16}Nm; M_{rr}-8.43±.14 $M_{\theta\theta}$7.80±.11; $M_{\phi\phi}$0.62±.14; $M_{r\theta}$0.90±.38;
$M_{\theta\phi}$0.33±.13; $M_{\phi r}$-1.17±.52; Best double couple: NP1:ϕ_s80.00000°,δ43.00000°,λ-101.00000°.
NP2:ϕ_s275.00000°,δ48.00000°,λ-80.00000°. Principal axes: T 7.8600,Plg3.0000°
,Azm358.0000°; N 0.7700,Plg7.0000°,Azm88.0000°; P -8.6300,Plg82.0000°,Azm246.0000°
M_o8.30000×10^{16}
IDC VI 04 20 20 45.5–.87 38.29S 47.56E 0 4.0,3.9

¶16100960

IDC Error ellipse: s-maj=41.0km s-min=22.9km az=23.0.
IDC VI 10 06 23 46.6–1.4 34.60S 54.33E 0 4.0,3.9b

¶16101173

IDC Error ellipse: s-maj=85.3km s-min=25.5km az=31.0.
ISC VI 13 03 31 16.4–.56 40.0S–.10 46.2E–.10 10 4.3b,3.6s 40 21-156
ISCJB VI 13 03 31 14.9–.51 40.0S–.10 46.2E–.10 10 4.1b,3.6s **¶13681262**
IDC VI 13 03 31 15.1–.62 39.99S 46.17E 0 4.1,4.0
NEIC VI 13 03 31 16.5–.28 39.99S 46.16E 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=12.3km az=142.4.
IDC Error ellipse: s-maj=23.4km s-min=19.2km az=46.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.8km az=51.0.
ISC VI 19 11 22 45.0–.60 39.0S–.10 46.3E–.10 18 4.0b,3.4s 34 20-154
IDC VI 19 11 22 42.0–.63 39.06S 46.33E 0 4.1,4.0b **¶13681653**
ISCJB VI 19 11 22 43.3–.53 39.0S–.10 46.3E–.10 18 4.0b,3.4s
NEIC VI 19 11 22 43.7–.32 39.02S 46.30E 10 4.5b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=17.6km az=27.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=12.8km az=25.2.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.4km az=205.0.
IDC VI 19 14 20 19.1–.90 31.70S 58.50E 0 4.3,4.1

¶16101504

IDC Error ellipse: s-maj=32.9km s-min=24.6km az=18.0.
ISC VI 28 00 04 24.6–.43 31.84S–.06 58.26E–.06 23–2 5.1b,4.2s 482 29-173
BJI VI 28 00 04 18.6 31.92S 57.89E 10 5.1s,5.1b **¶13307128**
IDC VI 28 00 04 21.1–.39 31.69S 58.35E 0 4.8,4.8
MOS VI 28 00 04 21.2–.66 31.73S 58.38E 10 5.3b,4.3s
NEIC VI 28 00 04 22.5–.14 31.76S 58.38E 10 5.2b,4.3s
GCMT VI 28 00 04 23.8–.30 31.71S 58.15E 12 5.0W,4.3s
ISCJB VI 28 00 04 23.2–.23 31.77S–.05 58.47E–.05 25 5.0b,4.2s
SZGRF VI 28 00 04 33.9 29.10S 59.48E 29 5.1b,4.1s
DJA VI 28 00 04 35.4–5.7 32S–5.0 58E–9.0 117–56 5.1b,4.7
ISC Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s30,c32; s66,c98;
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.48±.12 $M_{\theta\theta}$3.45±.09; $M_{\phi\phi}$0.03±.11; $M_{r\theta}$0.24±.32;
$M_{\theta\phi}$0.42±.10; $M_{\phi r}$1.28±.45; Best double couple: NP1:ϕ_s100.00000°,δ44.00000°,λ-64.00000°.
NP2:ϕ_s246.00000°,δ51.00000°,λ-113.00000°. Principal axes: T 3.5200,Plg3.0000°
,Azm352.0000°; N 0.3700,Plg18.0000°,Azm261.0000°; P -3.9000,Plg72.0000°,Azm93.0000°
M_o3.70000×10^{16}
ISCJB Event type se.

SZGRF Southwest Indian Ridge.

(429) Mid-Indian Ridge.

IDC I 07 11 47 16.1–2.6 10.35S 66.19E 0 3.6,3.5

¶12080633

IDC Error ellipse: s-maj=80.7km s-min=31.1km az=62.0.
IDC I 07 12 07 37.4–1.8 10.11S 66.66E 0 3.8,3.6b

¶12080635

IDC Error ellipse: s-maj=56.1km s-min=25.4km az=58.0.
ISC I 07 12 07 46.3–.94 10.3S–.20 66.3E–.20 14 4.3b 30 43-159
NEIC I 07 12 07 41.5–.82 11.04S 66.72E 10 4.5b **¶12080636**
IDC I 07 12 07 43.9–.86 10.38S 66.29E 0 4.2,4.0
ISCJB I 07 12 07 44.2–.89 10.3S–.20 66.3E–.20 14 4.1b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC I 07 12 21 44.9–2.9 10.14S 66.58E 0 3.7,3.6

¶12080638

IDC Error ellipse: s-maj=98.4km s-min=26.2km az=60.0.
IDC I 09 21 04 15.6–2.4 13.18S 66.15E 0 3.7,3.5b

¶12080887

IDC Error ellipse: s-maj=71.7km s-min=29.0km az=61.0.
ISC I 12 23 07 08.2–.51 10.3S–.10 66.3E–.10 10 4.5b,4.1s 103 20-159
ISCJB I 12 23 07 06.4–.37 10.29S–.07 66.35E–.07 10 4.4b,4.2s **¶12081149**
IDC I 12 23 07 06.4–.58 10.28S 66.31E 0 4.3,4.2
MOS I 12 23 07 06.4–.83 10.27S 66.34E 10 4.9b,4.2
NEIC I 12 23 07 08.4–.36 10.23S 66.31E 10 4.7b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=9.2km az=36.1.
IDC Error ellipse: s-maj=19.8km s-min=15.9km az=7.0.
MOS Error ellipse: s-maj=13.4km s-min=9.7km az=86.1.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=9.0km az=151.0.
IDC I 12 23 08 24.7–1.9 10.29S 66.18E 0 4.7s,4.7

¶12081151

IDC Error ellipse: s-maj=59.6km s-min=27.0km az=63.0.
ISC I 13 01 04 41.7–.27 13.50S–.04 66.03E–.03 16–1 5.6s,5.4b 1121 9-162
IDC I 13 01 04 36.2–.40 13.74S 66.16E 0 5.4,5.4s **¶13989108**
ISCJB I 13 01 04 39.8–.19 13.66S–.04 66.03E–.03 14 5.6s,5.3b
DJA I 13 01 04 41 13.66S 66.10E 10 5.6b,5.3b
MOS I 13 01 04 41.2–2.3 13.12S 66.93E 10 5.5s,5.5b
NEIC I 13 01 04 42.6–.27 13.15S 66.08E 10 6.0W,5.9W
BJI I 13 01 04 44.0 12.26S 65.65E 10 5.8s,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=12.0km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=177.8.
MOS Error ellipse: s-maj=10.3km s-min=4.9km az=105.8.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.9km az=177.0. Moment Tensor Solution.
s67 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$-7.88 $M_{\phi\phi}$6.57 $M_{r\theta}$-0.64 $M_{\theta\phi}$3.02 $M_{\phi r}$-0.65
Best double couple: NP1:ϕ_s237.00000°,δ87.00000°,λ7.00000°. NP2:ϕ_s146.00000°
,δ83.00000°,λ177.00000°. Principal axes: T 7.2700,Plg7.0000°,Azm101.0000°
; N 1.2400,Plg82.0000°,Azm259.0000°; P -8.5100,Plg2.0000°,Azm11.0000°
M_o8.00000×10^{17}
IDC I 13 06 09 02.3–2.6 9.76S 66.90E 0 3.9,3.7b

¶12081173

IDC Error ellipse: s-maj=102.3km s-min=31.1km az=56.0.
IDC I 15 23 32 29.1–1.6 7.79S 67.91E 0 4.1,4.0b

¶12081387

IDC Error ellipse: s-maj=80.0km s-min=26.8km az=138.0.
IDC I 20 23 28 11.5–2.2 13.36S 66.82E 0 3.9s,3.8

¶12081910

IDC Error ellipse: s-maj=83.8km s-min=26.3km az=50.0.
IDC I 21 05 17 57.7–1.4 23.73S 69.60E 0 4.0,3.8

¶12081949

IDC Error ellipse: s-maj=53.5km s-min=24.0km az=31.0.
IDC I 21 19 30 27.4–1.1 16.12S 68.04E 0 3.9,3.8b

¶12082004

IDC Error ellipse: s-maj=43.9km s-min=21.5km az=34.0.
IDC I 27 22 39 10.3–8.4 28.28S 74.49E 0 3.9,3.7s

¶12082518

IDC Error ellipse: s-maj=399.2km s-min=54.4km az=32.0.
IDC II 01 02 02 14.9–.88 25.48S 70.03E 0 3.9,3.8

¶15954808

IDC Error ellipse: s-maj=27.7km s-min=24.9km az=11.0.
IDC II 02 14 04 31.6–3.8 28.59S 74.26E 0 3.6,3.4

¶15954897

IDC Error ellipse: s-maj=103.6km s-min=43.7km az=51.0.
ISC II 03 22 25 47.1–.55 28.8S–.10 74.5E–.10 10 4.5b,3.8s 59 37-146
BJI II 03 22 25 42.5 29.34S 74.65E 16 5.1b,4.5b **¶12699502**
ISCJB II 03 22 25 45.2–.52 28.73S–.10 74.6E–.10 10 4.3b,3.8s
IDC II 03 22 25 45.5–.71 28.71S 74.53E 0 4.4,4.3
NEIC II 03 22 25 47.1–.34 28.68S 74.54E 10 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=13.1km az=144.4.
IDC Error ellipse: s-maj=26.0km s-min=18.9km az=49.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.5km az=57.0.
IDC II 10 19 16 12.9–3.3 10.03S 66.42E 0 3.7,3.6s

¶15955368

IDC Error ellipse: s-maj=95.7km s-min=27.0km az=62.0.
ISC II 10 19 29 53.9–3.8 11.8S–.40 65.2E–.60 10 3.7b 6 29-70
IDC II 10 19 29 52.5–3.6 11.75S 65.27E 0 3.6,3.5b **¶15955371**
ISC Event type ke.
IDC Error ellipse: s-maj=100.4km s-min=34.2km az=57.0.
ISC II 14 22 50 47.5–1.4 8.0S–.20 68.0E–.20 15 4.0s,4.0b 23 4-149
IDC II 14 22 50 45.5–1.3 8.07S 67.98E 0 4.0s,4.0 **¶12700716**
NEIC II 14 22 50 47.6–1.4 7.98S 68.21E 10 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=25.2km az=46.0.
NEIC Event type se. Error ellipse: s-maj=36.2km s-min=22.5km az=203.0.
IDC II 14 22 52 27.1–3.5 8.22S 67.74E 0 3.8s,3.8

¶15956096

IDC Error ellipse: s-maj=114.6km s-min=29.2km az=60.0.
IDC II 14 23 39 35.6–18 9.26S 65.46E 0 3.7,3.5

¶15956101

IDC Error ellipse: s-maj=563.2km s-min=35.8km az=66.0.
ISC II 19 00 28 51.3–.51 14.31S–.08 66.11E–.06 16–2 5.1s,4.9b 439 19-162
BJI II 19 00 28 43.9 14.71S 65.54E 10 5.3s,5.3b **¶11687965**
ISCJB II 19 00 28 48.8–2.5 14.39S–.06 66.16E–.04 11–15 5.1s,4.8b
MOS II 19 00 28 48.8–.78 14.29S 66.19E 10 5.4b,4.8b
IDC II 19 00 28 48.6–.47 14.34S 66.14E 0 4.5,4.5
NEIC II 19 00 28 50.4–.20 14.35S 66.14E 10 5.4b,4.5
DJA II 19 00 28 52 14.52S 66.23E 10 5.1b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.5km az=161.6.
MOS Error ellipse: s-maj=10.2km s-min=6.3km az=112.9.
IDC Error ellipse: s-maj=16.2km s-min=11.9km az=7.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.6km az=2.0.
ISC II 20 21 25 33.1–.69 22.8S–.20 69.8E–.10 10 4.2b,4.1s 31 22-150
ISCJB II 20 21 25 31.4–.65 22.7S–.10 69.8E–.10 10 4.1b,4.1s **¶12701371**
IDC II 20 21 25 31.5–.73 22.74S 69.72E 0 4.2,4.1
NEIC II 20 21 25 33.0–.57 22.75S 69.72E 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=15.3km az=35.1.
IDC Error ellipse: s-maj=25.3km s-min=17.8km az=38.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=14.2km az=215.0.
ISC II 24 01 26 17.7–.51 27.06S–.06 75.05E–.07 16–2 5.2b,4.2s 305 20-177
IDC II 24 01 26 14.9–.44 26.94S 75.19E 0 4.9,4.8 **¶11728561**
ISCJB II 24 01 26 15.9–.27 27.07S–.05 75.19E–.05 14 5.0b,4.2s
BJI II 24 01 26 15.8 27.10S 75.10E 10 5.2s,5.1b
MOS II 24 01 26 15.3–1.3 27.04S 75.24E 10 5.4b,5.1b
NEIC II 24 01 26 16.6–.24 27.05S 75.14E 10 5.1b,5.1b
ISC Event type se.

IDC Error ellipse: s-maj=15.7km s-min=13.6km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=7.0km az=2.7.
MOS Error ellipse: s-maj=12.2km s-min=7.6km az=101.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.4km az=15.0.
IDC II 25 15 35 27.3–1.3 21.44S 69.33E 0 3.7,3.6
¶15957252

IDC Error ellipse: s-maj=47.6km s-min=31.3km az=4.0.
IDC III 04 21 40 21.1–3.2 13.06S 66.66E 0 3.8,3.7
¶12702457

IDC Error ellipse: s-maj=108.4km s-min=29.4km az=59.0.
IDC III 06 08 33 38.9–1.4 21.60S 69.02E 0 3.7,3.6b
¶12702549

IDC Error ellipse: s-maj=69.3km s-min=28.4km az=23.0.
IDC III 09 15 43 55.9–1.6 15.18S 66.24E 0 3.8,3.6b
¶12702803

IDC Error ellipse: s-maj=52.7km s-min=29.5km az=39.0.
IDC III 12 15 07 20.3–1.4 27.20S 74.95E 0 3.9,3.8b
¶12703082

IDC Error ellipse: s-maj=54.4km s-min=24.3km az=32.0.
IDC III 12 21 14 18.6–.87 26.93S 75.08E 0 3.9,3.8b
¶12703114

IDC Error ellipse: s-maj=31.3km s-min=24.2km az=52.0.
IDC III 16 09 17 57.6–2.0 9.64S 66.73E 0 3.7,3.6b
¶12703413

IDC Error ellipse: s-maj=89.2km s-min=37.1km az=47.0.

ISC	**III**	**21 23 22 40.8–.47**	**14.52S–.06**	**66.02E–.06**	**16–2**	**5.0b,4.3s**	**683**	**14-162**
BJI	III	21 23 22 32.8	14.83S	65.42E	5	5.1b,4.8s		¶12054526
ISCJB	III	21 23 22 38.6–1.9	14.50S–.05	66.11E–.04	12–12	4.9b,4.3s		
IDC	III	21 23 22 38.1–.44	14.51S	66.16E	0	4.6b,4.6		
MOS	III	21 23 22 38.7–.85	14.36S	66.14E	10	5.3b,4.6		
NEIC	III	21 23 22 39.9–.15	14.51S	66.10E	10	5.1b,4.6		
GCMT	III	21 23 22 40.0–.20	14.49S	66.05E	12	5.0W,4.6		
TEH	III	21 23 22 40.0	14.49S	66.12E	10	4.9L,4.6		
SZGRF	III	21 23 22 44.4	14.69S	64.94E	33	4.9b,4.6		
DJA	III	21 23 23 02.9–1.8	14S–8.0	66E–5.0	202–19	5.5b,5.0		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s29,c35; s76,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.23±.09 $M_{\theta\theta}$1.17±.10; $M_{\phi\phi}$2.06±.09; $M_{r\theta}$0.67±.35; $M_{\theta\phi}$-1.31±.07; $M_{\phi r}$1.58±.34; Best double couple: NP1:ϕ_s308.00000°,δ40.00000°,λ-120.00000°. NP2:ϕ_s165.00000°,δ57.00000°,λ-67.00000°. Principal axes: T 3.1400,Plg9.0000° ,Azm239.0000°; N 0.7300,Plg19.0000°,Azm332.0000°; P -3.8700,Plg69.0000° ,Azm124.0000° M_o3.50000×10^{16}
SZGRF Mid-Indian Ridge.
IDC III 22 08 12 41.4–3.4 23.37S 68.67E 0 3.9,3.8b
¶12635272

IDC Error ellipse: s-maj=92.4km s-min=35.0km az=54.0.
IDC III 24 04 34 44.0–1.0 25.36S 70.21E 0 4.1s,4.1
¶12635445

IDC Error ellipse: s-maj=32.9km s-min=25.4km az=54.0.
IDC III 25 14 29 51.6–19 41.50S 80.19E 0 3.9,3.6s
¶12635567

IDC Error ellipse: s-maj=471.2km s-min=51.6km az=47.0.

ISC	**III**	**26 04 11 53.7–.75**	**27.4S–.20**	**73.2E–.10**	**10**	**4.3b,3.7s**	**31**	**17-177**
ISCJB	III	26 04 11 51.8–.66	27.4S–.10	73.2E–.10	10	4.2b,3.7s		¶12635614
IDC	III	26 04 11 52.2–.84	27.34S	73.19E	0	4.3,4.2		
NEIC	III	26 04 11 53.4–.43	27.39S	73.14E	10	4.5b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=13.2km az=21.6.
IDC Error ellipse: s-maj=28.7km s-min=22.9km az=67.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.6km az=203.0.
IDC III 26 05 21 37.1–.96 27.52S 73.08E 0 4.1,4.0
¶12635618

IDC Error ellipse: s-maj=31.7km s-min=25.4km az=77.0.

ISC	**III**	**26 06 14 23.2–.35**	**27.53S–.04**	**73.22E–.05**	**16–1**	**5.4s,5.3b**	**757**	**16-177**
BJI	III	26 06 14 18.0	27.45S	72.36E	10	5.8b,5.7s		¶12061015
IDC	III	26 06 14 20.5–.37	27.42S	73.31E	0	5.2s,5.2		
ISCJB	III	26 06 14 21.3–.23	27.44S–.04	73.32E–.04	14	5.3s,5.2b		
MOS	III	26 06 14 21.2–1.2	27.32S	73.38E	10	5.7b,5.3s		
NEIC	III	26 06 14 22.1–.18	27.46S	73.30E	10	5.6W,5.4b		
TEH	III	26 06 14 23.0	27.52S	73.31E	10	5.8L,5.4b		
GCMT	III	26 06 14 24.5–.10	27.40S	73.27E	12	5.7W,5.4b		
DJA	III	26 06 14 31.4–1.7	28S–5.0	73E–3.0	84–17	5.8b,5.4		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=229, per= 50. Moment Tensor Solution. s92,c145; s77,c86; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.44±.03 $M_{\theta\theta}$2.57±.03; $M_{\phi\phi}$0.87±.04; $M_{r\theta}$-0.93±.10; $M_{\theta\phi}$-1.60±.03; $M_{\phi r}$1.20±.11; Best double couple: NP1:ϕ_s293.00000°,δ35.00000°,λ-104.00000°. NP2:ϕ_s129.00000°,δ57.00000°,λ-81.00000°. Principal axes: T 3.8100,Plg11.0000°,Azm213.0000°; N -0.0200,Plg8.0000°,Azm304.0000° ; P -3.8000,Plg76.0000°,Azm69.0000° M_o3.80000×10^{17}
IDC III 27 17 51 16.4–1.4 7.90S 67.74E 0 3.8,3.6b
¶12635711

IDC Error ellipse: s-maj=44.2km s-min=22.7km az=52.0.
IDC III 27 17 54 14.7–3.8 7.88S 67.29E 0 3.8s,3.8
¶12635712

IDC Error ellipse: s-maj=105.8km s-min=30.3km az=65.0.
IDC III 30 05 37 02.5–1.7 15.67S 67.39E 0 3.9s,3.9
¶12635917

IDC Error ellipse: s-maj=52.0km s-min=30.5km az=47.0.
IDC IV 01 19 21 58.9–2.6 26.32S 71.77E 0 3.8,3.7
¶16152238

IDC Error ellipse: s-maj=81.0km s-min=29.7km az=41.0.

ISC	**IV**	**04 01 47 35.7–1.1**	**13.0S–.20**	**67.9E–.20**	**10**	**4.0b**	**34**	**33-162**
ISCJB	IV	04 01 47 33.9–.96	12.9S–.20	68.0E–.20	10	3.9b,3.0s		¶12934519
IDC	IV	04 01 47 34.2–.99	12.93S	67.98E	0	3.9,3.8b		
NEIC	IV	04 01 47 35.6–.59	12.99S	67.94E	10	4.4b,3.8b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=31.7km s-min=17.0km az=42.0.
IDC Error ellipse: s-maj=33.9km s-min=22.1km az=38.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=12.3km az=221.0.

ISC	**IV**	**04 08 26 55.3–.62**	**9.0S–.10**	**67.41E–.08**	**13**	**4.4b,3.9s**	**53**	**5-158**
ISCJB	IV	04 08 26 53.4–.52	8.96S–.10	67.41E–.07	13	4.4b,3.9s		¶12934499
IDC	IV	04 08 26 53.5–.63	8.99S	67.35E	0	4.4,4.2b		
NEIC	IV	04 08 26 54.9–.36	9.01S	67.41E	10	4.7b,4.2b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=9.1km az=158.6.
IDC Error ellipse: s-maj=20.0km s-min=14.8km az=159.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=158.0.
IDC IV 05 19 32 14.8–6.0 20.23S 68.33E 0 4.0,3.8b
¶16152426

IDC Error ellipse: s-maj=158.1km s-min=38.2km az=67.0.
IDC IV 06 16 54 23.1–4.9 35.17S 79.37E 0 3.9,3.7
¶16152468

IDC Error ellipse: s-maj=175.0km s-min=33.3km az=28.0.
IDC IV 07 23 37 17.4–1.2 11.59S 65.63E 0 3.8,3.6b
¶16152519

IDC Error ellipse: s-maj=37.6km s-min=26.6km az=25.0.
IDC IV 09 05 26 55.8–5.2 36.64S 78.50E 0 4.1,4.0
¶16152575

IDC Error ellipse: s-maj=194.4km s-min=33.9km az=28.0.
IDC IV 09 13 35 37.2–1.0 42.79S 83.81E 0 4.1,3.9
¶16152590

IDC Error ellipse: s-maj=37.8km s-min=22.7km az=93.0.
IDC IV 09 18 55 21.1–1.6 13.16S 66.67E 0 3.9,3.8
¶16152598

IDC Error ellipse: s-maj=53.4km s-min=27.2km az=58.0.
IDC IV 12 05 30 14.2–6.5 23.41S 69.75E 0 3.9s,3.9
¶16152694

IDC Error ellipse: s-maj=222.5km s-min=37.7km az=46.0.

ISC	**IV**	**16 05 17 20.3–.38**	**12.49S–.05**	**65.23E–.05**	**16–1**	**5.1b,4.5s**	**851**	**12-160**
BJI	IV	16 05 17 12.6	12.96S	64.74E	10	5.2b,5.0s		¶14406024
IDC	IV	16 05 17 17.5–.50	12.46S	65.25E	0	4.7,4.7		
ISCJB	IV	16 05 17 17.8–1.6	12.42S–.04	65.27E–.04	11–9	5.0b,4.5s		
DJA	IV	16 05 17 18.8–.40	13S–8.0	65E–5.0	10	5.5b,5.1		
MOS	IV	16 05 17 18.6–.91	12.33S	65.28E	14	5.4b,5.1		
NEIC	IV	16 05 17 19.4–.16	12.45S	65.21E	10	5.2b,5.1		
GCMT	IV	16 05 17 23.5–.20	12.43S	65.25E	13–0	5.2W,5.1		

ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=14.7km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.8km az=149.1.
MOS Error ellipse: s-maj=9.0km s-min=4.8km az=114.2.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.1km az=206.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s51,c72; s74,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.87±.27 $M_{\theta\theta}$6.19±.20; $M_{\phi\phi}$-0.32±.22; $M_{r\theta}$1.03±.45; $M_{\theta\phi}$-5.38±.17; $M_{\phi r}$-1.55±.54; Best double couple: NP1:ϕ_s103.00000°,δ41.00000° ,λ-114.00000°. NP2:ϕ_s314.00000°,δ53.00000°,λ-70.00000°. Principal axes: T 9.4000,Plg6.0000°,Azm30.0000°; N -3.1100,Plg16.0000°,Azm122.0000° ; P -6.2900,Plg73.0000°,Azm279.0000° M_o7.90000×10^{16}
IDC IV 16 18 00 40.9–1.6 25.25S 73.74E 0 4.1,3.9
¶16152852

IDC Error ellipse: s-maj=46.0km s-min=34.7km az=110.0.
IDC IV 17 07 58 00.8–2.7 12.82S 64.85E 0 3.9s,3.9
¶16152887

IDC Error ellipse: s-maj=109.4km s-min=37.6km az=48.0.
IDC IV 17 11 26 59.2–1.7 12.71S 65.06E 0 3.8s,3.8
¶16152904

IDC Error ellipse: s-maj=59.9km s-min=38.7km az=48.0.
IDC IV 18 12 00 46.8–.62 12.50S 65.14E 0 4.0,3.8
¶16152986

IDC Error ellipse: s-maj=22.3km s-min=19.7km az=158.0.
IDC IV 20 10 53 57.3–.80 12.37S 65.22E 0 4.2,4.0b
¶16153132

IDC Error ellipse: s-maj=29.3km s-min=20.4km az=13.0.
IDC IV 21 06 42 08.2–3.0 23.61S 70.06E 0 4.0s,4.0
¶16153196

IDC Error ellipse: s-maj=103.4km s-min=25.4km az=43.0.
IDC IV 23 19 34 19.5–.67 12.43S 65.28E 0 4.1,4.0b
¶16153312

IDC Error ellipse: s-maj=25.7km s-min=18.1km az=157.0.
IDC IV 26 05 49 56.1–12 14.40S 65.05E 0 3.8,3.7
¶16154509

IDC Error ellipse: s-maj=412.8km s-min=31.8km az=61.0.

ISC	**IV**	**26 17 50 48.2–.48**	**12.4S–.10**	**65.25E–.09**	**10**	**4.3b,3.8s**	**91**	**18-160**
ISCJB	IV	26 17 50 46.2–.44	12.34S–.09	65.29E–.08	10	4.2b,4.0s		¶12936217
IDC	IV	26 17 50 46.5–.67	12.40S	65.25E	0	4.1,4.0		
NEIC	IV	26 17 50 48.3–.32	12.36S	65.26E	10	4.7b,4.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=9.3km az=140.8.
IDC Error ellipse: s-maj=22.2km s-min=16.6km az=8.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.4km az=141.0.
IDC IV 30 11 20 57.0–2.5 12.78S 64.83E 0 3.8,3.6
¶16154665

IDC Error ellipse: s-maj=94.3km s-min=31.6km az=56.0.
IDC V 01 11 23 44.0–32 11.10S 65.84E 0 3.7,3.6
¶16154704

IDC Error ellipse: s-maj=964.9km s-min=49.4km az=67.0.
IDC V 02 21 26 07.3–1.4 29.02S 74.70E 0 4.2,4.0
¶16154848

IDC Error ellipse: s-maj=45.2km s-min=23.4km az=66.0.
IDC V 02 22 00 43.8–3.5 29.29S 74.43E 0 4.1,3.8b
¶16154851

IDC Error ellipse: s-maj=106.0km s-min=38.6km az=46.0.

ISC	**V**	**08 15 15 29.0–.51**	**14.2S–.10**	**66.1E–.10**	**15**	**4.1s,4.0b**	**87**	**19-162**
IDC	V	08 15 15 26.5–.60	14.25S	66.15E	0	4.1s,4.1		¶13678563
ISCJB	V	08 15 15 27.1–.50	14.16S–.10	66.19E–.09	15	4.1s,4.0b		
NEIC	V	08 15 15 28.3–.31	14.18S	66.16E	10	4.7b,4.0b		

ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=15.6km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=12.9km az=10.8.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.6km az=197.0.
IDC V 08 15 46 15.5–1.0 14.08S 66.34E 0 3.9,3.8
¶16155520

IDC Error ellipse: s-maj=30.3km s-min=25.0km az=46.0.

ISC	**V**	**12 12 38 31.6–.28**	**12.43S–.04**	**65.12E–.04**	**14–1**	**5.5b,5.2s**	**1187**	**9-160**
BJI	V	12 12 38 26.8	12.59S	64.74E	13	5.9b,5.6s		¶12818792
IDC	V	12 12 38 28.4–.36	12.44S	65.12E	0	5.3,5.3		
ISCJB	V	12 12 38 29.2–.92	12.45S–.03	65.08E–.02	9–5	5.5b,5.2s		
MOS	V	12 12 38 29.4–1.1	12.34S	65.20E	10	5.7b,5.1s		
NEIC	V	12 12 38 30.9–.15	12.43S	65.14E	10	5.8W,5.8W		
DJA	V	12 12 38 31.8–.20	13S–4.0	65E–2.0	10	6.4,6.2b		
SZGRF	V	12 12 38 32.7	12.09S	65.64E	33	5.6b,4.7s		
GCMT	V	12 12 38 33.6–.10	12.46S	65.24E	12	5.7W,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=10.0km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.1km az=8.1.
MOS Error ellipse: s-maj=7.3km s-min=4.3km az=110.8.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.8km az=6.0. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.02 $M_{\theta\theta}$4.35 $M_{\phi\phi}$0.67 $M_{r\theta}$5.44 $M_{\theta\phi}$-1.65 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s120.00000°,δ22.00000°,λ-73.00000°. NP2:ϕ_s281.00000° ,δ69.00000°,λ-97.00000°. Principal axes: T 7.3300,Plg23.0000°,Azm16.0000° ; N 0.1800,Plg6.0000°,Azm283.0000°; P -7.5100,Plg65.0000°,Azm179.0000° M_o7.40000×10^{17}
SZGRF Mid-Indian Ridge.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=108, comp=248, per= 50. Moment Tensor Solution. s89,c166; s65,c76; Moment tensor: Scale 10^{17}Nm; M_{rr}-4.67±.04 $M_{\theta\theta}$4.45±.04; $M_{\phi\phi}$0.22±.04; $M_{r\theta}$0.63±.11; $M_{\theta\phi}$-2.46±.03; $M_{\phi r}$-0.14±.12; Best double couple: NP1:ϕ_s117.00000°,δ42.00000°,λ-87.00000°. NP2:ϕ_s293.00000°,δ49.00000°,λ-93.00000°. Principal axes: T 5.6200,Plg3.0000°,Azm25.0000°; N -0.9100,Plg2.0000°,Azm294.0000° ; P -4.7100,Plg86.0000°,Azm174.0000° M_o5.20000×10^{17}

ISC	**V**	**19 03 17 01.7–.62**	**7.2S–.10**	**67.93E–.09**	**12**	**4.6b,3.7s**	**118**	**4-157**
ISCJB	V	19 03 17 00.3–.55	7.1S–.10	67.99E–.07	12	4.4b,3.7s		¶12952805
IDC	V	19 03 17 00.1–.70	7.12S	67.89E	0	4.2,4.1b		
NEIC	V	19 03 17 01.6–.32	7.14S	67.96E	10	4.8b,4.1b		
SZGRF	V	19 03 17 10.0	5.68S	68.06E	33	4.7b,4.1b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=10.0km az=10.3.
IDC Error ellipse: s-maj=23.1km s-min=17.2km az=9.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.8km az=192.0.
SZGRF Chagos Archipelago region.

ISC	**V**	**19 07 04 17.7–.37**	**7.10S–.06**	**67.90E–.05**	**17–1**	**5.0b,4.4s**	**525**	**5-156**
BJI	V	19 07 04 10.6	7.38S	67.40E	10	5.1b,4.8s		¶16155897
IDC	V	19 07 04 14.9–.42	7.13S	67.92E	0	4.4,4.4		
ISCJB	V	19 07 04 15.8–.24	7.04S–.04	67.88E–.03	16	4.8b,4.4s		
MOS	V	19 07 04 15.1–1.1	6.95S	67.86E	10	5.2b,4.4s		
DJA	V	19 07 04 15.2–.40	7S–8.0	68E–4.0	10	5.2b,4.9		
NEIC	V	19 07 04 16.6–.17	7.11S	67.87E	10	5.1b,4.9		
GCMT	V	19 07 04 16.5–.20	7.11S	67.84E	13–1	5.0W,4.9		
TEH	V	19 07 04 17.0	7.07S	67.85E	10	5.1L,4.9		

ISC Event type se.
IDC Error ellipse: s-maj=14.6km s-min=10.5km az=14.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.7km az=174.8.
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=113.4.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.5km az=190.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s22,c26; s77,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.12±.19 $M_{\theta\theta}$0.52±.11; $M_{\phi\phi}$2.60±.13; $M_{r\theta}$1.52±.37; $M_{\theta\phi}$-1.07±.08; $M_{\phi r}$0.71±.31; Best double couple: NP1:ϕ_s316.00000°,δ49.00000°,λ-122.00000°. NP2:ϕ_s179.00000°,δ50.00000°,λ-59.00000°. Principal axes: T 3.0500,Plg1.0000° ,Azm247.0000°; N 0.7900,Plg23.0000°,Azm338.0000°; P -3.8400,Plg67.0000° ,Azm156.0000° M_o3.50000×10^{16}

ISC	V	**20 09 57 43.6–.35**	**7.20S–.06**	**68.00E–.04**	**17–1**	**5.1b,4.7s**	**606**	**4-157**
IDC	V	20 09 57 40.9–.44	7.15S	68.00E	0	4.5,4.5		**¶12842993**
BJI	V	20 09 57 41.5	7.20S	68.00E	10	5.1s,5.1b		
MOS	V	20 09 57 41.3–.96	7.01S	67.94E	10	5.5b,4.6s		
ISCJB	V	20 09 57 42.3–.25	7.14S–.05	67.91E–.03	20	5.0b,4.7s		
NEIC	V	20 09 57 42.5–.15	7.14S	67.97E	10	5.4b,5.3W		
DJA	V	20 09 57 44.1–.40	7S–9.0	68E–6.0	10	5.4b,5.0		
GCMT	V	20 09 57 45.7–.10	7.30S	67.97E	12	5.3W,5.0		
SZGRF	V	20 09 57 53.0	6.20S	66.44E	27	5.2b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=13.4km s-min=11.5km az=17.0.
MOS Error ellipse: s-maj=8.2km s-min=4.7km az=116.4.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=177.7.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=199.0. Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s134.00000°,δ17.00000°,λ-87.00000°. NP2:ϕ_s311.00000° ,δ73.00000°,λ-91.00000°. Principal axes: T 1.1300,Plg27.0000°,Azm41.0000° ; N -0.0400,Plg0.0000°,Azm311.0000°; P -1.0900,Plg62.0000°,Azm219.0000° $M_0$1.10000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 99, comp=183, per= 50. Moment Tensor Solution. s52,c73; s14,c14; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s137.00000° ,δ42.00000°,λ-86.00000°. NP2:ϕ_s312.00000°,δ48.00000°,λ-94.00000°. Principal axes: T 1.0600,Plg3.0000°,Azm45.0000°; N -0.1100,Plg3.0000°,Azm314.0000° ; P -0.9500,Plg86.0000°,Azm182.0000° $M_0$1.00000×10^{17}
SZGRF South Indian Ocean.

ISC	V	**20 10 03 12.6–.54**	**7.1S–.10**	**68.0E–.10**	**12**	**4.2b**	**77**	**40-157**
ISCJB	V	20 10 03 10.7–.51	7.06S–.10	68.06E–.09	12	4.4s,4.2b		**¶13679300**
IDC	V	20 10 03 10.5–.59	7.15S	67.99E	0	4.4s,4.4		
NEIC	V	20 10 03 12.4–.39	7.10S	68.02E	10	4.6b,4.4		
GCMT	V	20 10 03 13.7–.30	7.45S	68.07E	18–1	5.0W,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=10.2km az=41.1.
IDC Error ellipse: s-maj=19.6km s-min=13.8km az=40.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.6km az=222.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s14,c15; s68,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.68±.34 $M_{\theta\theta}$1.73±.22; $M_{\phi\phi}$1.96±.21; $M_{r\theta}$-2.21±.54; $M_{\theta\phi}$-1.62±.13; $M_{\phi r}$-1.16±.46; Best double couple: NP1:ϕ_s337.00000°,δ44.00000°,λ-53.00000°. NP2:ϕ_s111.00000°,δ56.00000°,λ-120.00000°. Principal axes: T 3.5500,Plg7.0000° ,Azm222.0000°; N 1.3300,Plg25.0000°,Azm129.0000°; P -4.8700,Plg64.0000° ,Azm326.0000° $M_0$4.20000×10^{16}

ISC	V	**26 05 39 15.2–.39**	**7.71S–.08**	**67.88E–.07**	**12**	**4.7b,4.2s**	**193**	**13-157**
IDC	V	26 05 39 13.0–.44	7.68S	67.87E	0	4.4,4.3		**¶13679666**
ISCJB	V	26 05 39 13.3–.30	7.64S–.06	67.84E–.05	12	4.6b,4.2s		
NEIC	V	26 05 39 15.1–.25	7.67S	67.83E	10	5.1b,4.2s		
GCMT	V	26 05 39 16.1–.20	7.77S	67.96E	14–1	5.0W,4.2s		
DJA	V	26 05 39 17.5–.50	8S–11	68E–5.0	25	5.0,5.0b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s30,c40; s87,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.48±.14 $M_{\theta\theta}$-4.11±.13; $M_{\phi\phi}$4.59±.14; $M_{r\theta}$-0.62±.28; $M_{\theta\phi}$0.28±.11; $M_{\phi r}$0.81±.26; Best double couple: NP1:ϕ_s47.00000°,δ77.00000°,λ-1.00000°. NP2:ϕ_s137.00000°,δ89.00000°,λ-167.00000°. Principal axes: T 4.7200,Plg9.0000° ,Azm271.0000°; N -0.4900,Plg77.0000°,Azm140.0000°; P -4.2300,Plg10.0000°,Azm3.0000° $M_0$4.50000×10^{16}

IDC	V	**29 17 40 40.2–3.4**	**12.43S**	**65.44E**	**0**	**3.8,3.6**		
								¶16156323

IDC Error ellipse: s-maj=119.2km s-min=52.7km az=53.0.

ISC	V	**30 11 54 47.9–.37**	**12.51S–.08**	**65.29E–.08**	**10**	**4.6b,3.8s**	**152**	**12-160**
BJI	V	30 11 54 44.1	12.74S	63.69E	34	5.0b,4.7s		**¶12869624**
ISCJB	V	30 11 54 46.0–.32	12.49S–.06	65.31E–.06	10	4.4b,3.8s		
IDC	V	30 11 54 46.1–.43	12.45S	65.26E	0	4.4,4.3		
NEIC	V	30 11 54 48.3–.22	12.52S	65.27E	10	4.6b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=8.3km az=137.6.
IDC Error ellipse: s-maj=15.3km s-min=13.6km az=157.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.8km az=144.0.

IDC	V	**30 12 47 30.7–3.3**	**28.49S**	**74.32E**	**0**	**4.1,3.9**		
								¶16066079

IDC Error ellipse: s-maj=103.6km s-min=30.1km az=43.0.

IDC	V	**31 01 30 42.4–14**	**29.20S**	**76.81E**	**0**	**3.8,3.7b**		
								¶16066099

IDC Error ellipse: s-maj=465.8km s-min=33.8km az=42.0.

IDC	VI	**02 05 08 38.7–.83**	**24.20S**	**69.73E**	**0**	**4.2s,4.1**		
								¶16066200

IDC Error ellipse: s-maj=28.4km s-min=23.5km az=14.0.

IDC	VI	**03 04 45 06.8–1.1**	**25.91S**	**70.56E**	**0**	**4.1s,4.1**		
								¶16100887

IDC Error ellipse: s-maj=48.9km s-min=22.6km az=11.0.

IDC	VI	**08 08 01 01.2–.74**	**41.76S**	**79.74E**	**0**	**4.2,4.1b**		
								¶16101096

IDC Error ellipse: s-maj=27.3km s-min=17.5km az=105.0.

IDC	VI	**08 15 22 20.3–19**	**39.21S**	**78.46E**	**0**	**3.9,3.7**		
								¶16101109

IDC Error ellipse: s-maj=654.1km s-min=52.6km az=32.0.

ISC	VI	**08 22 31 07.3–.69**	**39.0S–.10**	**78.3E–.10**	**10**	**4.3b,4.2s**	**23**	**12-173**
ISCJB	VI	08 22 31 05.8–.62	39.1S–.10	78.4E–.10	10	4.3b,4.1s		**¶13107606**
IDC	VI	08 22 31 06.1–.83	39.00S	78.37E	0	4.3,4.2		
NEIC	VI	08 22 31 07.1–.42	39.01S	78.32E	10	4.5b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=12.9km az=147.1.
IDC Error ellipse: s-maj=29.4km s-min=19.8km az=1.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.0km az=143.0.

IDC	VI	**11 17 24 43.2–3.6**	**20.49S**	**68.72E**	**0**	**3.8,3.6**		
								¶16101215

IDC Error ellipse: s-maj=140.5km s-min=30.8km az=43.0.

IDC	VI	**12 00 16 28.2–7.2**	**35.17S**	**78.86E**	**0**	**4.0,3.8**		
								¶16101220

IDC Error ellipse: s-maj=353.1km s-min=35.8km az=22.0.

IDC	VI	**14 01 16 37.8–1.2**	**7.31S**	**67.88E**	**0**	**3.9,3.8**		
								¶16101299

IDC Error ellipse: s-maj=40.3km s-min=24.4km az=42.0.

ISC	VI	**19 08 09 18.4–.53**	**39.3S–.10**	**78.1E–.10**	**10**	**4.4b,4.2s**	**39**	**30-173**
ISCJB	VI	19 08 09 16.4–.44	39.33S–.09	78.1E–.10	10	4.4b,4.2s		**¶13681644**
IDC	VI	19 08 09 16.7–.61	39.34S	78.11E	0	4.3,4.2		
NEIC	VI	19 08 09 18.3–.33	39.32S	78.10E	10	4.8b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=12.0km az=177.6.
IDC Error ellipse: s-maj=19.5km s-min=17.7km az=145.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.8km az=177.0.

ISC	VI	**19 08 24 19.2–.82**	**39.3S–.20**	**78.1E–.20**	**10**	**4.2b,4.0s**	**19**	**30-88**
ISCJB	VI	19 08 24 17.7–.61	39.4S–.10	78.2E–.10	10	4.2b,4.0s		**¶13681646**
IDC	VI	19 08 24 17.5–.81	39.27S	78.06E	0	4.2,4.1		
NEIC	VI	19 08 24 19.8–.64	39.38S	78.14E	10	4.6b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=15.1km az=169.3.
IDC Error ellipse: s-maj=24.6km s-min=20.2km az=180.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=16.7km az=163.0.

ISC	VI	**19 13 49 43.5–.46**	**39.5S–.10**	**78.2E–.10**	**10**	**4.7s,4.4b**	**51**	**29-173**
ISCJB	VI	19 13 49 41.3–.41	39.49S–.09	78.2E–.10	10	4.7s,4.5b		**¶13681660**
IDC	VI	19 13 49 41.9–.52	39.48S	78.13E	0	4.7s,4.7		
NEIC	VI	19 13 49 43.1–.28	39.51S	78.14E	10	4.7b,4.7		
GCMT	VI	19 13 49 48.6–.20	39.32S	77.90E	12–1	5.2W,4.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=11.4km az=162.4.
IDC Error ellipse: s-maj=17.4km s-min=15.6km az=161.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.9km az=169.0.
GCMT Event type se. Data Used: G IU II IC CN. Moment Tensor Solution. s30,c35; s74,c108; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.83±.26 $M_{\theta\theta}$-5.86±.24; $M_{\phi\phi}$6.69±.26; $M_{r\theta}$-3.92±.97; $M_{\theta\phi}$0.58±.20; $M_{\phi r}$3.26±.80; Best double couple: NP1:ϕ_s45.00000°,δ51.00000°,λ-7.00000°. NP2:ϕ_s139.00000°,δ85.00000°,λ-141.00000°. Principal axes: T 7.9600,Plg22.0000° ,Azm266.0000°; N 0.3400,Plg51.0000°,Azm146.0000°; P -8.3000,Plg31.0000°,Azm10.0000° $M_0$8.10000×10^{16}

IDC	VI	**22 21 40 36.8–1.6**	**26.24S**	**71.76E**	**0**	**3.9,3.8**		
								¶16101624

IDC Error ellipse: s-maj=62.0km s-min=28.3km az=29.0.

IDC	VI	**23 02 51 58.3–1.8**	**15.41S**	**66.39E**	**0**	**4.0,3.9s**		
								¶16101633

IDC Error ellipse: s-maj=59.4km s-min=25.8km az=47.0.

ISC	VI	**25 10 22 11.7–.51**	**33.3S–.10**	**77.9E–.10**	**10**	**4.1b,4.0s**	**39**	**31-166**
ISCJB	VI	25 10 22 10.0–.46	33.38S–.09	77.9E–.10	10	4.2b,4.0s		**¶13682003**
IDC	VI	25 10 22 10.2–.56	33.32S	77.88E	0	4.2,4.1		
NEIC	VI	25 10 22 11.7–.30	33.33S	77.89E	10	4.6b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=13.4km az=171.3.
IDC Error ellipse: s-maj=21.3km s-min=16.6km az=96.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=9.3km az=80.0.

ISC	VI	**27 08 33 56.3–.61**	**37.7S–.20**	**78.1E–.10**	**13**	**4.3b,4.0s**	**29**	**31-154**
ISCJB	VI	27 08 33 54.5–.53	37.7S–.10	78.1E–.10	13	4.4b,4.0s		**¶13682125**
IDC	VI	27 08 33 54.0–.68	37.70S	78.07E	0	4.3,4.2b		
NEIC	VI	27 08 33 55.9–.42	37.68S	78.07E	10	4.7b,4.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=12.5km az=0.9.
IDC Error ellipse: s-maj=27.4km s-min=17.8km az=0.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=10.5km az=1.0.

ISC	VI	**30 07 22 25.3–.38**	**35.50S–.08**	**78.34E–.08**	**14**	**4.7b,4.1s**	**93**	**32-170**
ISCJB	VI	30 07 22 23.6–.31	35.53S–.07	78.39E–.08	14	4.7b,4.1s		**¶13307375**
IDC	VI	30 07 22 23.1–.44	35.48S	78.37E	0	4.5,4.5		
NEIC	VI	30 07 22 24.6–.20	35.52S	78.36E	10	4.8b,4.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=8.7km az=147.2.
IDC Error ellipse: s-maj=15.0km s-min=13.5km az=131.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.9km az=165.0.

(430) South of Africa.

ISC	I	**13 22 54 30.7–.81**	**53.1S–.10**	**25.8E–.20**	**10**	**4.3b,3.3s**	**18**	**17-85**
ISCJB	I	13 22 54 29.4–.60	53.09S–.09	25.6E–.30	10	4.3b,3.3s		**¶12081225**
IDC	I	13 22 54 29.4–1.1	53.05S	25.72E	0	4.3,4.2		
NEIC	I	13 22 54 30.8–.47	53.05S	25.75E	10	4.4b,4.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.5km s-min=12.0km az=168.9.
IDC Error ellipse: s-maj=57.6km s-min=21.5km az=73.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=10.0km az=79.0.

IDC	II	**10 19 26 17.5–1.8**	**48.88S**	**30.37E**	**0**	**4.2,4.0**		
								¶15955370

IDC Error ellipse: s-maj=93.6km s-min=32.7km az=55.0.

ISC	II	**18 00 09 19.0–.29**	**53.05S–.07**	**20.70E–.08**	**10**	**5.1b,4.5s**	**382**	**18-167**
PRE	II	18 00 09 00.5–2.0	54.68S	21.51E	10	5.1b,4.5s		**¶11682573**
IDC	II	18 00 09 17.2–.39	52.97S	20.87E	0	4.8,4.8		
ISCJB	II	18 00 09 17.9–.30	52.86S–.05	20.7E–.10	10	5.0b,4.5s		
BJI	II	18 00 09 17.8	53.00S	21.00E	10	5.6b,5.1s		
MOS	II	18 00 09 18.2–1.1	52.94S	20.83E	10	5.2b,5.1s		
DJA	II	18 00 09 18	53.21S	19.98E	10	5.0b,5.1s		
NEIC	II	18 00 09 18.8–.21	52.96S	20.89E	10	5.1b,5.1s		

ISC Event type se.
PRE Error ellipse: s-maj=77.3km s-min=97.7km az=-1.0.
IDC Error ellipse: s-maj=16.2km s-min=13.8km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.9km az=168.0.
MOS Error ellipse: s-maj=27.2km s-min=12.9km az=84.1.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.5km az=115.0.

ISC	II	**18 00 11 45.5–.43**	**53.0S–.10**	**21.0E–.10**	**11**	**4.5b**	**68**	**21-167**
IDC	II	18 00 11 43.8–.47	52.96S	21.04E	0	4.5,4.5		**¶12701069**
ISCJB	II	18 00 11 44.2–.44	52.95S–.08	20.9E–.20	11	4.5b,4.5		
NEIC	II	18 00 11 45.4–.33	52.98S	20.98E	10	4.6b,4.5		

ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=15.0km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=11.7km az=162.9.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.5km az=72.0.

ISC	II	**18 00 16 21.8–.41**	**52.99S–.09**	**21.0E–.10**	**11**	**4.6b**	**73**	**21-167**
ISCJB	II	18 00 16 20.6–.40	52.95S–.08	20.9E–.20	11	4.4b		**¶12701070**
IDC	II	18 00 16 20.2–.43	52.99S	20.93E	0	4.5,4.4		
NEIC	II	18 00 16 21.6–.27	52.99S	20.95E	10	4.7b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=10.9km az=177.2.
IDC Error ellipse: s-maj=16.8km s-min=14.5km az=80.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.7km az=87.0.

ISC	II	**18 00 28 11.9–.44**	**53.04S–.09**	**20.9E–.10**	**11**	**4.4b,4.1s**	**67**	**21-167**
ISCJB	II	18 00 28 10.7–.45	52.94S–.08	20.9E–.20	11	4.3b,4.1s		**¶12701072**
IDC	II	18 00 28 10.6–.52	52.95S	20.94E	0	4.3,4.2		
NEIC	II	18 00 28 11.9–.26	52.98S	20.96E	10	4.5b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=10.7km az=170.0.
IDC Error ellipse: s-maj=23.5km s-min=15.9km az=84.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.1km az=83.0.

ISC	II	**18 00 30 12.7–.72**	**52.9S–.10**	**21.2E–.20**	**11**	**4.0b**	**22**	**21-155**
ISCJB	II	18 00 30 11.2–.60	52.90S–.08	21.1E–.30	11	4.0b		**¶12701073**
IDC	II	18 00 30 11.3–1.0	52.97S	21.25E	0	4.1,3.9		
NEIC	II	18 00 30 12.6–.41	52.93S	21.21E	10	4.2b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.3km s-min=12.0km az=0.8.
IDC Error ellipse: s-maj=43.0km s-min=31.0km az=77.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=9.7km az=93.0.

ISC	II	**18 00 37 21.6–.66**	**52.9S–.10**	**20.8E–.20**	**11**	**4.0b**	**33**	**21-155**
ISCJB	II	18 00 37 20.5–.77	52.9S–.10	20.6E–.30	11	4.0b,3.4s		**¶12701078**
IDC	II	18 00 37 20.5–.77	52.96S	20.81E	0	4.0,3.9b		
NEIC	II	18 00 37 21.4–.60	52.94S	20.85E	10	4.4b,3.9b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.1km s-min=15.0km az=3.5.
IDC Error ellipse: s-maj=35.0km s-min=21.1km az=84.0.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=14.7km az=93.0.

IDC	II	**18 01 01 06.0–1.3**	**52.68S**	**21.31E**	**0**	**4.1,3.9**		
								¶15956529

IDC Error ellipse: s-maj=164.2km s-min=35.6km az=28.0.

ISC	II	**18 02 15 30.3–.57**	**53.04S–.10**	**20.9E–.20**	**11**	**4.3b,3.8s**	**43**	**18-155**
IDC	II	18 02 15 29.0–.77	52.97S	20.77E	0	4.1,4.1b		**¶12701085**
ISCJB	II	18 02 15 29.2–.60	52.95S–.09	20.6E–.20	11	4.3b,3.7s		
NEIC	II	18 02 15 30.5–.36	53.00S	20.76E	10	4.5b,3.7s		

ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=18.4km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=12.3km az=11.6.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.1km az=103.0.

ISC	II	**18 03 07 50.7–.20**	**53.00S–.04**	**20.82E–.05**	**11**	**5.6s,5.5b**	**917**	**18-174**
BJI	II	18 03 07 48.5	53.33S	21.32E	7	5.9b,5.8s		**¶11682576**
IDC	II	18 03 07 48.5–.34	52.99S	20.95E	0	5.5s,5.5		
ISCJB	II	18 03 07 49.9–.19	52.90S–.03	20.68E–.07	11	5.6s,5.5b		
MOS	II	18 03 07 49.7–1.2	52.98S	20.91E	10	5.5s,5.4b		
NEIC	II	18 03 07 50.3–.12	52.97S	20.91E	10	5.9W,5.6b		
DJA	II	18 03 07 57	52.51S	22.08E	10	5.5b,5.6b		

ISC Event type se.
IDC Error ellipse: s-maj=13.5km s-min=9.9km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.9km az=178.4.
MOS Error ellipse: s-maj=20.1km s-min=8.9km az=88.3.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.9km az=130.0.

ISC	II	**18 03 19 13.1–.82**	**53.2S–.10**	**20.7E–.20**	**10**	**4.4b**	**16**	**21-155**
IDC	II	18 03 19 11.6–1.3	52.93S	21.14E	0	4.4,4.3		**¶12701094**
NEIC	II	18 03 19 13.2–.52	53.04S	20.89E	10	4.4b,4.3		

ISC Event type se.
IDC Error ellipse: s-maj=64.4km s-min=29.9km az=51.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=13.4km az=67.0.

IDC	II	**18 03 19 24.1–1.5**	**52.57S**	**21.53E**	**0**	**4.5,4.4**		
								¶15956535

IDC Error ellipse: s-maj=132.6km s-min=32.2km az=40.0.

IDC II 18 04 57 55.1–1.4 52.90S 21.38E 0 4.3,4.2
¶15956540

IDC Error ellipse: s-maj=66.8km s-min=35.9km az=62.0.
ISC II 18 05 26 13.8–.54 53.0S–.10 20.8E–.10 11 4.3b,3.8s 43 21-155
ISCJB II 18 05 26 12.5–.52 52.90S–.09 20.8E–.20 11 4.3b,3.8s **¶12701107**
IDC II 18 05 26 12.3–.58 52.95S 20.87E 0 4.3,4.2
NEIC II 18 05 26 13.8–.33 52.95S 20.82E 10 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=12.1km az=162.5.
IDC Error ellipse: s-maj=21.7km s-min=16.9km az=73.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.9km az=73.0.
IDC II 18 07 48 09.8–1.1 52.95S 21.15E 0 4.1,3.9b
¶15956544

IDC Error ellipse: s-maj=54.0km s-min=33.7km az=52.0.
ISC II 19 04 10 01.6–.54 53.0S–.10 21.0E–.10 11 4.3b,3.8s 64 21-167
ISCJB II 19 04 10 00.3–.57 52.93S–.09 20.9E–.20 11 4.2b,3.8s **¶12701209**
IDC II 19 04 10 00.0–.62 52.97S 21.07E 0 4.2,4.1
NEIC II 19 04 10 01.3–.35 52.97S 21.05E 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=12.5km az=14.8.
IDC Error ellipse: s-maj=25.7km s-min=18.6km az=84.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.9km az=107.0.
IDC II 19 21 38 50.0–1.4 52.86S 21.11E 0 3.9,3.7b
¶15956735

IDC Error ellipse: s-maj=185.5km s-min=41.6km az=26.0.
IDC III 04 15 08 47.4–1.0 49.19S 31.05E 0 3.9,3.7b
¶12702432

IDC Error ellipse: s-maj=50.5km s-min=28.4km az=59.0.
ISC III 12 11 47 46.7–1.5 52.96S–.05 27.20E–.06 14–8 5.4b,4.8s 787 17-175
ISCJB III 12 11 47 45.0–.18 52.93S–.03 27.32E–.08 10 5.3b,4.8s **¶11845843**
NEIC III 12 11 47 45.9–.14 52.93S 27.20E 10 5.5b,4.8s
MOS III 12 11 47 45.3–1.3 52.97S 27.39E 10 5.4b,4.7s
IDC III 12 11 47 46.2–3.3 52.99S 27.22E 12–20 5.2,5.2
GCMT III 12 11 47 47.6–.20 52.88S 27.45E 12 5.2W,5.2
DJA III 12 11 47 57.5–3.7 53S–5.0 27E–17 113–42 5.4b,5.4b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s56,c88; s90,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}-8.16±.15 $M_{\theta\theta}$7.62±.14; $M_{\phi\phi}$0.54±.16; $M_{r\theta}$1.32±.40; $M_{\theta\phi}$-2.96±.13; $M_{\theta r}$-0.20±.41; Best double couple: NP1:ϕ_s112.00000°,δ41.00000°,λ-87.00000°. NP2:ϕ_s288.00000°,δ49.00000°,λ-93.00000°. Principal axes: T 8.8000,Plg4.0000° ,Azm20.0000°; N -0.5200,Plg2.0000°,Azm290.0000°; P -8.2700,Plg85.0000°,Azm176.0000° M_o8.50000×10^{16}
IDC III 22 05 29 30.3–.81 52.34S 27.62E 0 4.0,3.9
¶12635263

IDC Error ellipse: s-maj=31.4km s-min=18.8km az=74.0.
IDC IV 04 12 49 54.2–.63 49.16S 30.78E 0 4.3,4.2
¶16152360

IDC Error ellipse: s-maj=27.7km s-min=15.8km az=70.0.
IDC IV 06 09 15 32.9–1.1 53.49S 23.66E 0 3.9,3.7
¶16152447

IDC Error ellipse: s-maj=95.2km s-min=32.0km az=43.0.
IDC IV 07 11 18 00.8–.78 53.45S 24.83E 0 4.1,4.0b
¶16152504

IDC Error ellipse: s-maj=37.1km s-min=20.6km az=78.0.
ISC V 28 01 41 32.2–.67 53.3S–.10 25.3E–.20 10 4.2b,3.8s 28 21-157
ISCJB V 28 01 41 30.6–.63 53.32S–.08 25.0E–.30 10 4.1b,3.8s **¶13679777**
IDC V 28 01 41 30.9–.66 53.33S 25.34E 0 4.2,4.2
NEIC V 28 01 41 32.0–.48 53.32S 25.18E 10 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=11.3km az=172.0.
IDC Error ellipse: s-maj=33.5km s-min=14.7km az=79.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=10.1km az=81.0.
ISC VI 30 16 36 39.3–.57 52.83S–.08 27.6E–.20 13 4.1b,2.9s 33 21-152
IDC VI 30 16 36 37.2–.59 52.84S 27.47E 0 4.2,4.1b **¶13682328**
ISCJB VI 30 16 36 38.1–.48 52.78S–.07 27.6E–.20 13 4.1b,3.0s
NEIC VI 30 16 36 38.9–.44 52.85S 27.53E 10 4.5b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=13.7km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=10.5km az=3.8.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=10.1km az=92.0.

(431) Prince Edward Islands region.
ISC I 27 23 19 50.2–.42 44.74S–.07 35.6E–.10 10 4.6b,4.5s 135 16-160
ISCJB I 27 23 19 48.5–.40 44.74S–.06 35.6E–.10 10 4.5s,4.5b **¶11713946**
IDC I 27 23 19 48.4–.56 44.84S 35.91E 0 4.6,4.5s
NEIC I 27 23 19 49.9–.28 44.85S 35.69E 10 4.6b,4.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=7.3km az=159.2.
IDC Error ellipse: s-maj=27.0km s-min=16.8km az=56.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.1km az=66.0.
IDC II 23 07 14 05.4–4.5 44.51S 34.43E 0 4.4b,4.2
¶15957042

IDC Error ellipse: s-maj=279.1km s-min=76.3km az=67.0.
IDC IV 22 06 18 57.0–6.7 43.01S 38.05E 0 4.4b,4.1
¶16153258

IDC Error ellipse: s-maj=346.7km s-min=62.4km az=70.0.
IDC V 22 10 26 18.6–.73 45.98S 35.06E 0 4.2,4.1
¶16156021

IDC Error ellipse: s-maj=30.6km s-min=16.6km az=61.0.
ISC VI 04 17 25 24.9–.50 45.83S–.04 35.02E–.05 12–2 5.7s,5.4b 652 14-164
BJI VI 04 17 25 22.7 45.32S 34.43E 15 6.0s,5.9b **¶12920682**
IDC VI 04 17 25 22.8–.34 45.89S 35.13E 0 5.5s,5.5
MOS VI 04 17 25 23.4–.87 45.80S 35.24E 10 5.7s,5.6b
ISCJB VI 04 17 25 23.5–.19 45.83S–.04 35.16E–.07 10 5.6s,5.2b
NEIC VI 04 17 25 25.5–.17 45.83S 35.14E 16 6.0W,6.0W
DJA VI 04 17 25 29.4–.90 46S–4.0 35E–7.0 41–9 6.2,5.9b
GCMT VI 04 17 25 32.3–.10 45.56S 35.03E 20–0 6.0W,5.9b
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=10.8km az=83.0.
MOS Error ellipse: s-maj=19.4km s-min=7.2km az=92.7.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.6km az=168.9.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.1km az=97.0. Moment Tensor Solution. s25 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s21.00000°,δ82.00000°,λ170.00000°. NP2:ϕ_s113.00000° ,δ80.00000°,λ8.00000°. Principal axes: T 1.3000,Plg12.0000°,Azm336.0000° ; N -0.1100,Plg77.0000°,Azm163.0000°; P -1.2000,Plg1.0000°,Azm67.0000° M_o1.20000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=239, per= 50. Moment Tensor Solution. s110,c217; s94,c146; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.35±.01 $M_{\theta\theta}$1.05±.01; $M_{\phi\phi}$-0.70±.01; $M_{r\theta}$-0.10±.02; $M_{\theta\phi}$1.13±.01; $M_{\phi r}$0.02±.02; Best double couple: NP1:ϕ_s199.00000°,δ85.00000°,λ-179.00000°. NP2:ϕ_s109.00000°,δ89.00000°,λ-5.00000°. Principal axes: T 1.6100,Plg3.0000°,Azm154.0000°; N -0.3500,Plg85.0000°,Azm277.0000° ; P -1.2600,Plg4.0000°,Azm64.0000° M_o1.40000×10^{18}
IDC VI 04 19 21 35.3–1.1 45.51S 35.29E 0 4.3L,3.8
¶16100959

IDC Error ellipse: s-maj=59.1km s-min=23.4km az=65.0.
IDC VI 08 04 55 17.1–2.0 45.69S 35.31E 0 4.1L,4.0
¶16101088

IDC Error ellipse: s-maj=235.1km s-min=24.4km az=60.0.
ISC VI 24 04 40 05.5–.39 41.69S–.08 42.59E–.09 10 4.5b,4.5s 86 19-165
ISCJB VI 24 04 40 03.8–.32 41.75S–.06 42.5E–.10 10 4.4s,4.4b **¶13568820**
IDC VI 24 04 40 03.8–.44 41.69S 42.64E 0 4.5,4.4
NEIC VI 24 04 40 05.5–.20 41.69S 42.58E 10 4.7b,4.4
GCMT VI 24 04 40 09.9–.10 41.67S 42.72E 20–0 5.3W,4.4
DJA VI 24 04 40 11.4–3.4 42S–11 43E–21 65–36 4.6,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s63,c102; s99,c166; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.02 $M_{\theta\theta}$0.27±.02; $M_{\phi\phi}$-0.22±.02; $M_{r\theta}$-0.01±.04; $M_{\theta\phi}$1.08±.02; $M_{\phi r}$-0.31±.04; Best double couple: NP1:ϕ_s276.00000°,δ74.00000°,λ-2.00000°. NP2:ϕ_s7.00000°,δ88.00000°,λ-164.00000°. Principal axes: T 1.1700,Plg10.0000° ,Azm140.0000°; N -0.0300,Plg74.0000°,Azm13.0000°; P -1.1300,Plg12.0000° ,Azm232.0000° M_o1.20000×10^{17}

(435) Southeast Indian Ridge.
IDC II 01 06 09 19.2–2.8 49.56S 109.91E 0 4.0,3.7
¶15954813

IDC Error ellipse: s-maj=161.0km s-min=49.7km az=120.0.
IDC II 11 09 58 37.7–1.3 49.14S 106.30E 0 4.1,4.0
¶15955415

IDC Error ellipse: s-maj=59.0km s-min=26.6km az=98.0.
ISC II 22 05 36 06.9–.77 42.1S–.20 85.4E–.20 10 4.2b,4.1s 23 27-147
ISCJB II 22 05 36 05.6–.73 42.1S–.20 85.4E–.20 10 4.1s,4.1b **¶12701497**
IDC II 22 05 36 05.4–.96 42.08S 85.36E 0 4.1s,4.1
NEIC II 22 05 36 06.8–.69 42.07S 85.35E 10 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=19.0km az=30.9.
IDC Error ellipse: s-maj=29.8km s-min=26.2km az=35.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=19.1km az=30.0.
ISC II 25 16 08 01.4–.37 41.99S–.05 88.26E–.06 14–1 5.2s,5.2b 228 25-167
IDC II 25 16 07 58.8–.52 41.87S 88.66E 0 5.2s,5.2 **¶11729344**
MOS II 25 16 07 58.5–.97 41.91S 88.68E 10 5.3s,5.3b
BJI II 25 16 07 59.0 42.00S 88.60E 10 5.5s,5.3b
ISCJB II 25 16 07 59.6–.27 41.91S–.05 88.51E–.07 14 5.2s,5.0b
NEIC II 25 16 08 00.1–.25 41.89S 88.63E 10 5.5b,5.5W
TEH II 25 16 08 00.0 42.03S 88.61E 10 5.4L,5.5W
DJA II 25 16 08 05 41.98S 88.28E 10 5.0b,5.5W
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=15.7km az=162.0.
MOS Error ellipse: s-maj=16.7km s-min=10.8km az=86.5.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=7.2km az=9.9.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.5km az=194.0.
IDC II 25 16 12 37.3–1.6 42.35S 88.98E 0 3.9,3.7
¶15957255

IDC Error ellipse: s-maj=48.9km s-min=30.7km az=110.0.
IDC II 25 16 13 13.0–1.8 41.79S 88.35E 0 4.2,3.9
¶15957258

IDC Error ellipse: s-maj=51.3km s-min=26.1km az=110.0.
ISC II 26 03 14 10.7–.45 41.8S–.10 88.45E–.10 15 4.4b,4.3s 56 24-167
ISCJB II 26 03 14 08.9–.41 41.82S–.09 88.5E–.10 15 4.4b,4.3s **¶11938311**
IDC II 26 03 14 08.5–.59 41.80S 88.52E 0 4.3s,4.3
NEIC II 26 03 14 09.8–.28 41.78S 88.48E 10 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=11.1km az=166.5.
IDC Error ellipse: s-maj=20.4km s-min=19.3km az=169.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.0km az=179.0.
ISC III 17 16 12 22.6–.61 45.9S–.10 95.8E–.10 12 4.7b,4.3s 41 21-156
ISCJB III 17 16 12 20.9–.49 45.84S–.09 95.8E–.10 12 4.3b,4.3s **¶12599166**
IDC III 17 16 12 20.9–1.0 45.89S 95.85E 0 4.5,4.3
NEIC III 17 16 12 22.2–.40 45.85S 95.79E 10 4.7b,4.3
GCMT III 17 16 12 27.4–.30 45.81S 95.83E 19–1 5.0W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=12.6km az=168.3.
IDC Error ellipse: s-maj=33.8km s-min=22.5km az=113.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.3km az=131.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s22,c26; s76,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.12±.13 $M_{\theta\theta}$-3.09±.12; $M_{\phi\phi}$3.22±.13; $M_{r\theta}$0.21±.23; $M_{\theta\phi}$-0.91±.08; $M_{\phi r}$-1.47±.29; Best double couple: NP1:ϕ_s219.00000°,δ76.00000°,λ15.00000°. NP2:ϕ_s125.00000°,δ76.00000°,λ165.00000°. Principal axes: T 3.9000,Plg20.0000° ,Azm82.0000°; N -0.6700,Plg70.0000°,Azm262.0000°; P -3.2200,Plg0.0000°,Azm172.0000° M_o3.60000×10^{16}
IDC III 17 19 07 25.4–13 46.63S 95.94E 0 4.0,3.9
¶12703529

IDC Error ellipse: s-maj=295.0km s-min=47.8km az=21.0.
IDC III 18 17 18 01.6–3.1 46.12S 106.77E 0 4.2,4.0b
¶12703603

IDC Error ellipse: s-maj=83.9km s-min=47.1km az=3.0.
ISC III 23 00 14 14.7–.34 47.52S–.07 99.88E–.08 11 4.7b,4.5s 112 20-159
ISCJB III 23 00 14 12.2–.28 47.50S–.05 99.91E–.09 11 4.6b,4.5s **¶12070676**
BJI III 23 00 14 12.1 47.50S 100.00E 10 5.1b,4.9s
IDC III 23 00 14 12.7–.45 47.56S 99.92E 0 4.6,4.5
NEIC III 23 00 14 14.2–.22 47.52S 99.97E 10 4.8b,4.5
GCMT III 23 00 14 18.4–.20 47.48S 99.79E 19–1 5.1W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=7.2km az=33.1.
IDC Error ellipse: s-maj=17.7km s-min=14.1km az=133.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.1km az=148.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s45,c57; s75,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87±.18 $M_{\theta\theta}$5.96±.18; $M_{\phi\phi}$-5.10±.16; $M_{r\theta}$0.17±.34; $M_{\theta\phi}$2.40±.13; $M_{\phi r}$0.07±.31; Best double couple: NP1:ϕ_s123.00000°,δ89.00000°,λ1.00000°. NP2:ϕ_s33.00000°,δ89.00000°,λ179.00000°. Principal axes: T 6.4600,Plg1.0000° ,Azm348.0000°; N -0.8700,Plg89.0000°,Azm187.0000°; P -5.6000,Plg0.0000°,Azm78.0000° M_o6.00000×10^{16}
IDC III 25 16 14 32.4–1.7 48.90S 106.67E 0 4.0,3.8
¶12635572

IDC Error ellipse: s-maj=47.6km s-min=42.3km az=137.0.
IDC IV 08 20 03 06.6–.79 48.49S 105.48E 0 4.1,4.0b
¶16152562

IDC Error ellipse: s-maj=33.8km s-min=17.7km az=108.0.
IDC IV 10 06 37 54.5–4.8 46.46S 96.24E 0 4.0,3.8
¶16152619

IDC Error ellipse: s-maj=172.1km s-min=72.7km az=0.0.
ISC IV 12 20 05 30.1–.73 41.7S–.20 85.0E–.20 10 4.1b,3.8s 12 27-147
ISCJB IV 12 20 05 28.3–.64 41.7S–.10 84.9E–.20 10 4.2b,3.8s **¶16152728**
IDC IV 12 20 05 28.9–.85 41.71S 84.98E 0 4.2,4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.4km s-min=15.4km az=136.6.
IDC Error ellipse: s-maj=27.7km s-min=23.2km az=170.0.
ISC IV 17 08 13 38.1–1.0 49.3S–.20 106.3E–.30 10 3.8b 11 34-154
ISCJB IV 17 08 13 36.2–.99 49.3S–.10 106.2E–.40 10 3.9b,3.9s **¶16152888**
IDC IV 17 08 13 36.5–1.0 49.31S 106.11E 0 4.1,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.8km s-min=16.1km az=19.6.
IDC Error ellipse: s-maj=44.6km s-min=18.8km az=107.0.
IDC IV 25 12 00 28.4–.87 50.27S 112.45E 0 4.4,4.2
¶16153375

IDC Error ellipse: s-maj=44.9km s-min=16.2km az=103.0.
IDC V 01 09 57 25.5–3.6 49.61S 112.14E 0 3.9,3.7
¶16154700

IDC Error ellipse: s-maj=143.4km s-min=31.2km az=102.0.
IDC V 05 08 49 20.3–3.3 49.52S 112.99E 0 4.0,3.7s
¶16154924

IDC Error ellipse: s-maj=192.8km s-min=29.8km az=107.0.
ISC V 15 14 41 34.3–.67 45.4S–.10 97.3E–.20 10 4.3b,4.1s 34 20-155
ISCJB V 15 14 41 32.6–.75 45.4S–.10 97.3E–.20 10 4.3b,4.2s **¶13678999**
IDC V 15 14 41 32.6–.76 45.32S 97.17E 0 4.3,4.2
NEIC V 15 14 41 34.1–.53 45.34S 97.32E 10 4.7b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=13.3km az=20.4.
IDC Error ellipse: s-maj=28.3km s-min=17.8km az=109.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=11.7km az=108.0.
IDC V 19 10 38 32.5–13 48.50S 107.48E 0 4.7s,4.7
¶16155904

IDC Error ellipse: s-maj=720.7km s-min=47.4km az=120.0.
IDC V 22 18 04 14.6–1.1 45.21S 97.03E 0 4.1,3.9
¶16156029

IDC Error ellipse: s-maj=47.2km s-min=21.3km az=121.0.
ISC V 24 06 49 24.2–.36 42.21S–.05 88.23E–.07 15–1 5.2s,4.8b 201 25-179
BJI V 24 06 49 20.1 42.10S 88.30E 10 5.6s,5.3 **¶12861548**
IDC V 24 06 49 21.6–.44 42.11S 88.37E 0 5.1s,5.1

MOS V 24 06 49 21.3–1.4 42.14S 88.34E 10 5.3s,5.3b
ISCJB V 24 06 49 22.0–.27 42.10S–.05 88.31E–.08 14 5.2s,4.8b
NEIC V 24 06 49 23.4–.26 42.08S 88.35E 10 5.5W,5.2b
GCMT V 24 06 49 28.1–.10 41.93S 88.30E 13 5.6W,5.2b
DJA V 24 06 49 33.0–5.3 42S–9.0 88E–8.0 70–50 5.0,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12 $M_{\theta\theta}$2.30 $M_{\phi\phi}$-2.18 $M_{r\theta}$-0.50 $M_{\theta\phi}$0.06 $M_{\phi r}$-0.13 Best double couple: NP1:ϕ_s315.00000° ,δ80.00000°,λ5.00000°. NP2:ϕ_s224.00000°,δ85.00000°,λ169.00000°. Principal axes: T 2.4000,Plg11.0000°,Azm178.0000°; N -0.2200,Plg78.0000°,Azm17.0000° ; P -2.1900,Plg3.0000°,Azm269.0000° $M_0$2.30000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=218, per= 50. Moment Tensor Solution. s96,c173; s65,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43±.03 $M_{\theta\theta}$3.64±.04; $M_{\phi\phi}$-3.21±.04; $M_{r\theta}$0.27±.08; $M_{\theta\phi}$-0.03±.03; $M_{\phi r}$0.03±.08; Best double couple: NP1:ϕ_s135.00000°,δ87.00000°,λ2.00000°. NP2:ϕ_s45.00000°,δ88.00000°,λ177.00000°. Principal axes: T 3.6600,Plg4.0000°,Azm0.0000°; N -0.4500,Plg86.0000°,Azm190.0000° ; P -3.2100,Plg1.0000°,Azm90.0000° $M_0$3.40000×10^{17}

ISC V 24 06 54 53.4–.59 41.9S–.10 88.3E–.10 15 3.9b 36 40-167
IDC V 24 06 54 50.9–.91 41.85S 88.17E 0 4.1,3.9 **¶13679528**
ISCJB V 24 06 54 51.8–.60 41.9S–.10 88.2E–.20 15 4.0b,3.9
NEIC V 24 06 54 52.6–.46 41.85S 88.23E 10 4.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=20.8km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=14.9km az=43.9.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=13.3km az=133.0.

ISC V 24 07 03 38.5–.37 42.08S–.09 88.47E–.09 15 5.0s,4.5b 86 24-167
BJI V 24 07 03 33.0 42.10S 88.50E 10 5.4s,5.2b **¶12870875**
IDC V 24 07 03 36.0–.48 42.05S 88.50E 0 5.1s,5.1
ISCJB V 24 07 03 36.8–.34 42.11S–.08 88.49E–.09 15 5.0s,4.5b
NEIC V 24 07 03 37.9–.26 42.05S 88.50E 10 4.9b,4.5b
GCMT V 24 07 03 40.8–.20 41.87S 88.25E 13–1 5.4W,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=14.1km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=9.0km az=161.7.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.8km az=165.0.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=104, comp=180, per= 50. Moment Tensor Solution. s37,c44; s10,c10; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.03 $M_{\theta\theta}$1.48±.04; $M_{\phi\phi}$-1.40±.04; $M_{r\theta}$0.50±.09; $M_{\theta\phi}$0.02±.02; $M_{\phi r}$0.11±.07; Best double couple: NP1:ϕ_s136.00000°,δ75.00000°,λ8.00000°. NP2:ϕ_s44.00000°,δ82.00000°,λ165.00000°. Principal axes: T 1.6300,Plg16.0000°,Azm359.0000°; N -0.2200,Plg73.0000°,Azm196.0000° ; P -1.4100,Plg5.0000°,Azm90.0000° $M_0$1.50000×10^{17}

ISC V 24 07 05 00.1–.91 42.1S–.20 88.4E–.20 15 4.1b 17 40-146
IDC V 24 07 04 57.8–1.0 42.08S 88.35E 0 5.3s,5.3 **¶13679529**
ISCJB V 24 07 04 58.6–.93 42.1S–.20 88.5E–.30 15 5.3s,4.2b
NEIC V 24 07 04 59.2–.66 42.10S 88.44E 10 4.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=22.2km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=31.8km s-min=18.0km az=41.0.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=14.3km az=131.0.

IDC V 25 03 49 24.1–7.9 46.78S 96.26E 0 4.0,3.8
¶16156132
IDC Error ellipse: s-maj=248.2km s-min=55.5km az=118.0.

IDC V 25 17 08 47.5–2.7 42.14S 87.97E 0 4.0,3.8b
¶16156154
IDC Error ellipse: s-maj=83.0km s-min=39.3km az=29.0.

IDC VI 06 14 35 29.1–1.1 47.95S 99.73E 0 4.1,3.9
¶16101018
IDC Error ellipse: s-maj=42.3km s-min=19.3km az=116.0.

ISC VI 06 15 37 38.0–.41 47.89S–.05 99.59E–.08 13–1 5.1s,4.9b 160 19-159
BJI VI 06 15 37 33.8 47.80S 99.30E 10 5.3s,5.2b **¶13077432**
ISCJB VI 06 15 37 35.6–.29 47.90S–.06 99.65E–.10 10 5.1s,4.9b
IDC VI 06 15 37 36.1–.44 47.90S 99.56E 0 5.1s,5.1
NEIC VI 06 15 37 37.6–.23 47.88S 99.67E 10 5.2b,5.1
GCMT VI 06 15 37 42.4–.10 47.90S 99.52E 12 5.4W,5.1
DJA VI 06 15 38 05.2–6.5 48S–17 100E–55 333–93 5.3b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 102 sta. Moment Tensor Solution. s73,c122; s99,c192; Moment tensor: Scale 10^{17}Nm; M_{rr}0.16±.02 $M_{\theta\theta}$1.40±.02; $M_{\phi\phi}$-1.55±.02; $M_{r\theta}$0.27±.05; $M_{\theta\phi}$0.40±.02; $M_{\phi r}$0.20±.05; Best double couple: NP1: ϕ_s128.00000°,δ78.00000°,λ5.00000°. NP2:ϕ_s37.00000°,δ85.00000°,λ168.00000°. Principal axes: T 1.5200,Plg12.0000°,Azm352.0000°; N 0.1100,Plg77.0000°,Azm196.0000° ; P -1.6200,Plg5.0000°,Azm83.0000° $M_0$1.60000×10^{17}

IDC VI 06 15 39 47.7–.93 48.54S 100.92E 0 4.4,4.3
¶16101021
IDC Error ellipse: s-maj=47.0km s-min=18.4km az=120.0.

IDC VI 06 15 56 24.6–11 47.74S 102.10E 0 3.7,3.5
¶16101022
IDC Error ellipse: s-maj=767.6km s-min=63.9km az=132.0.

(436) Southern Kerguelen Plateau.

ISC V 04 13 20 05.5–.32 65.28S–.07 80.97E–.08 10 4.9b,4.0s 149 8-173
IDC V 04 13 20 04.0–.46 65.19S 81.07E 0 4.7,4.6b **¶12750570**
MOS V 04 13 20 04.5–1.2 65.15S 81.04E 10 5.2b,4.6b
BJI V 04 13 20 04.4 65.20S 81.00E 11 5.5b,5.4b
ISCJB V 04 13 20 04.1–.37 65.16S–.07 81.2E–.20 10 4.7b,4.1s
NEIC V 04 13 20 05.6–3.4 65.19S 81.08E 10–20 4.9b,4.1s
DJA V 04 13 20 05.7–.40 65S–8.0 81E–6.0 10 5.0,5.0b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(437) South of Australia.

IDC III 15 18 36 21.5–1.2 42.81S 124.68E 0 4.1L,4.0
¶12703370
IDC Error ellipse: s-maj=39.3km s-min=24.5km az=91.0.

ISC IV 14 22 24 43.5–.89 42.72S–.08 124.6E–.10 17–5 4.5b 70 11-151
BJI IV 14 22 24 36.5 43.55S 124.59E 10 5.2b,4.8b **¶12742254**
IDC IV 14 22 24 40.8–.53 42.80S 124.78E 0 4.5,4.4
NEIC IV 14 22 24 42.3–.35 42.70S 124.59E 10 4.5b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=33.4km s-min=14.7km az=94.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.1km az=97.0.

(740) Owen Fracture Zone region.

IDC I 16 00 55 21.7–19 13.00N 57.87E 0 3.7b,3.7
¶12081396
IDC Error ellipse: s-maj=364.7km s-min=49.5km az=179.0.

IDC I 18 09 08 14.5–1.1 14.09N 53.70E 0 3.7,3.5b
¶12081630
IDC Error ellipse: s-maj=35.3km s-min=27.0km az=8.0.

IDC II 16 03 54 27.7–2.2 12.50N 57.41E 0 3.9,3.8b
¶15956238
IDC Error ellipse: s-maj=58.0km s-min=28.0km az=67.0.

ISC II 21 22 25 54.2–.71 17.05N–.10 59.84E–.07 10 4.1b,3.5s 40 5-87
ISCJB II 21 22 25 52.5–.50 17.05N–.07 59.78E–.04 10 4.0b,3.5s **¶12701472**
IDC II 21 22 25 52.3–.79 16.94N 59.87E 0 4.1,4.0
OMAN II 21 22 26 00.6–99 17.23N 59.64E 34–11 4.1,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.3km az=0.2.
IDC Error ellipse: s-maj=19.4km s-min=16.1km az=19.0.
OMAN Error ellipse: s-maj=119.4km s-min=3.2km az=307.0.

IDC III 11 14 30 19.4–2.0 12.76N 57.19E 0 3.9,3.7b
¶12702972
IDC Error ellipse: s-maj=52.6km s-min=24.3km az=167.0.

IDC III 23 17 32 56.0–3.1 14.77N 58.84E 0 4.0L,3.5
¶12635401
IDC Error ellipse: s-maj=81.0km s-min=25.9km az=72.0.

IDC IV 06 09 59 26.6–1.2 14.46N 54.09E 0 3.6,3.4
¶16152451
IDC Error ellipse: s-maj=34.4km s-min=31.8km az=163.0.

IDC IV 06 18 27 23.4–1.4 14.18N 53.81E 0 3.4,3.3b
¶16152473
IDC Error ellipse: s-maj=46.0km s-min=29.4km az=153.0.

ISC IV 15 10 20 05.8–.33 12.35N–.04 58.16E–.03 16–1 5.4b,5.1s 1331 6-153
STR IV 15 10 19 51.9–.00 11.26N 59.40E 5.5b,5.1s **¶13438613**
BJI IV 15 10 19 54.9 11.63N 57.39E 10 5.6b,5.4s
IDC IV 15 10 20 02.8–.44 12.28N 58.27E 0 4.9,4.9
ISCJB IV 15 10 20 03.1–.60 12.32N–.02 58.08E–.02 11–3 5.3b,5.1s
NEIC IV 15 10 20 04.6–.19 12.35N 58.07E 10 5.7W,5.6b
CSEM IV 15 10 20 04.9–.14 12.29N 58.13E 10 5.7W,5.4b
GCMT IV 15 10 20 05.1–.10 12.35N 57.98E 17–0 5.7W,5.4b
TEH IV 15 10 20 05.0 12.36N 58.09E 10 5.6L,5.4b
MOS IV 15 10 20 06.1–1.1 12.33N 58.04E 33 5.7b,5.0s
DJA IV 15 10 20 12.8–2.9 12N–7.0 58E–6.0 70–32 5.9b,5.5
DHMR IV 15 10 20 16.3–1.5 13.50N 57.78E 68–999 5.7b,5.5
ISC Event type ke.
STR Event type ke.
IDC Error ellipse: s-maj=12.8km s-min=11.1km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=10.7.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.0km az=204.0. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}0.12 $M_{\theta\theta}$-2.49 $M_{\phi\phi}$2.37 $M_{r\theta}$-0.80 $M_{\theta\phi}$-2.22 $M_{\phi r}$0.04 Best double couple: NP1:ϕ_s23.00000°,δ77.00000°,λ-4.00000°. NP2:ϕ_s114.00000° ,δ86.00000°,λ-167.00000°. Principal axes: T 3.2700,Plg6.0000°,Azm248.0000° ; N 0.2400,Plg76.0000°,Azm130.0000°; P -3.5000,Plg11.0000°,Azm339.0000° $M_0$3.40000×10^{17}
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=5.0km az=18.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=108, comp=231, per= 50. Moment Tensor Solution. s100,c188; s57,c64; Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.04 $M_{\theta\theta}$-2.70±.04; $M_{\phi\phi}$2.57±.04; $M_{r\theta}$1.10±.11; $M_{\theta\phi}$-2.74±.03; $M_{\phi r}$-0.90±.11; Best double couple: NP1:ϕ_s203.00000°,δ71.00000°,λ6.00000°. NP2:ϕ_s111.00000°,δ84.00000°,λ161.00000°. Principal axes: T 4.1400,Plg18.0000°,Azm65.0000°; N -0.1600,Plg70.0000°,Azm276.0000° ; P -3.9800,Plg10.0000°,Azm159.0000° $M_0$4.10000×10^{17}
MOS Error ellipse: s-maj=6.3km s-min=3.3km az=116.2.
DHMR Error ellipse: s-maj=177.1km s-min=999.9km az=-1.0.

ISC IV 21 19 41 17.8–.47 14.45N–.07 56.32E–.06 10 4.7s,4.6b 341 16-132
BJI IV 21 19 41 08.0 13.65N 55.59E 10 5.1b,5.0s **¶12643809**
ISCJB IV 21 19 41 15.7–.38 14.37N–.05 56.26E–.04 10 4.7s,4.5b
IDC IV 21 19 41 16.2–.60 14.40N 56.35E 0 4.2,4.1
NEIC IV 21 19 41 16.8–.44 14.26N 56.27E 10 4.9b,4.1
TEH IV 21 19 41 17.0 14.21N 56.25E 10 4.7L,4.1
CSEM IV 21 19 41 20.7–.25 14.36N 56.32E 33 4.7b,4.0s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.6km az=178.2.
IDC Error ellipse: s-maj=14.6km s-min=13.4km az=117.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.5km az=155.0.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=7.6km az=149.0.

ISC IV 21 19 45 05.7–.34 14.48N–.04 56.33E–.03 19–1 5.2b,4.8s 1421 4-132
BJI IV 21 19 44 55.6 13.81N 55.66E 10 5.4b,5.1s **¶12638922**
IDC IV 21 19 45 02.7–.38 14.44N 56.37E 0 4.7,4.7
NEIC IV 21 19 45 03.8–.19 14.43N 56.28E 10 5.4b,4.7
GCMT IV 21 19 45 03.6–.10 14.41N 56.22E 12 5.3W,4.7
ISCJB IV 21 19 45 04.2–.17 14.49N–.02 56.28E–.02 20 5.1b,4.8s
TEH IV 21 19 45 04.0 14.41N 56.34E 10 5.2L,4.8s
CSEM IV 21 19 45 06.0–.15 14.49N 56.27E 19 5.3W,5.2b
MOS IV 21 19 45 06.1–1.1 14.46N 56.20E 33 5.4b,4.7s
DHMR IV 21 19 45 06.1–3.0 14.21N 56.19E 10 5.3b,4.7s
SZGRF IV 21 19 45 09.7 14.11N 54.79E 28 5.1b,4.6s
DJA IV 21 19 45 26.5–2.1 14N–5.0 56E–5.0 206–24 5.5b,4.9
OMAN IV 21 19 45 33.9–10 14.37N 56.35E 7–1 5.5b,4.9
ISC Event type ke.
IDC Error ellipse: s-maj=10.4km s-min=10.2km az=94.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.1km az=210.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c106; s94,c185; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.09±.02 $M_{\theta\theta}$0.95±.02; $M_{\phi\phi}$0.14±.02; $M_{r\theta}$0.61±.04; $M_{\theta\phi}$-0.35±.01; $M_{\phi r}$-0.26±.05; Best double couple: NP1:ϕ_s109.00000°,δ29.00000°,λ-92.00000°. NP2:ϕ_s292.00000°,δ61.00000°,λ-89.00000°. Principal axes: T 1.2700,Plg16.0000° ,Azm21.0000°; N 0.0100,Plg1.0000°,Azm111.0000°; P -1.2800,Plg74.0000°,Azm206.0000° $M_0$1.30000×10^{17}
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=6.4.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=148.0.
MOS Error ellipse: s-maj=7.8km s-min=3.5km az=115.8.
DHMR Error ellipse: s-maj=447.7km s-min=999.9km az=-1.0.
SZGRF Owen Fracture Zone region.
OMAN Error ellipse: s-maj=2.6km s-min=1.9km az=1.0.

ISC IV 21 19 47 25.4–.47 14.33N–.09 56.32E–.08 10 4.8b 236 23-166
ISCJB IV 21 19 47 23.2–.38 14.41N–.06 56.16E–.05 10 4.7s,4.7b **¶12731765**
IDC IV 21 19 47 24.7–.52 14.43N 56.38E 0 4.6s,4.6
GCMT IV 21 19 47 24.3–.40 14.47N 56.26E 13–1 5.1W,4.6
NEIC IV 21 19 47 25.2–.33 14.39N 56.19E 10 5.2b,4.6
CSEM IV 21 19 47 28.8–.19 14.43N 56.19E 33 5.1W,4.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=7.3km az=0.9.
IDC Error ellipse: s-maj=14.5km s-min=13.1km az=125.0.
GCMT Event type se. Data Used: IC II IU G CN. Moment Tensor Solution. s23,c26; s54,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.50±.38 $M_{\theta\theta}$3.47±.27; $M_{\phi\phi}$1.03±.24; $M_{r\theta}$2.20±.66; $M_{\theta\phi}$-1.48±.15; $M_{\phi r}$-0.99±.60; Best double couple: NP1:ϕ_s116.00000°,δ30.00000°,λ-89.00000°. NP2:ϕ_s295.00000°,δ60.00000°,λ-90.00000°. Principal axes: T 4.7900,Plg15.0000° ,Azm25.0000°; N 0.3300,Plg0.0000°,Azm295.0000°; P -5.1300,Plg75.0000°,Azm203.0000° $M_0$5.00000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.1km az=179.0.
CSEM Event type ke.

ISC IV 21 20 08 43.8–.34 14.47N–.05 56.31E–.05 10 4.7b,4.2s 489 4-132
BJI IV 21 20 08 37.2 13.99N 55.69E 10 5.0b,4.7s **¶12643810**
ISCJB IV 21 20 08 41.6–.27 14.41N–.04 56.28E–.03 10 4.6b,4.2s
IDC IV 21 20 08 42.1–.48 14.35N 56.38E 0 4.3,4.2
GCMT IV 21 20 08 43.5–.30 14.35N 56.30E 12 5.0W,4.2
CSEM IV 21 20 08 43.7–.15 14.39N 56.31E 10 5.0W,4.7b
NEIC IV 21 20 08 43.4–.30 14.46N 56.29E 10 5.0b,4.7b
MOS IV 21 20 08 44.9–.97 14.38N 56.19E 33 5.0b,4.7b
TEH IV 21 20 08 45.0 14.48N 56.23E 10 4.6L,4.7b
DJA IV 21 20 09 05.8–4.0 14N–8.0 56E–10 208–45 4.3,4.3b
ISC Event type ke.
ISCJB Event type ke.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s23,c29; s71,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.50±.10 $M_{\theta\theta}$2.04±.09; $M_{\phi\phi}$0.46±.12; $M_{r\theta}$0.02±.33; $M_{\theta\phi}$-1.20±.08; $M_{\phi r}$-3.01±.42; Best double couple: NP1:ϕ_s99.00000°,δ33.00000°,λ-141.00000°. NP2:ϕ_s335.00000°,δ70.00000°,λ-63.00000°. Principal axes: T 3.2500,Plg20.0000° ,Azm45.0000°; N 1.1900,Plg25.0000°,Azm145.0000°; P -4.4300,Plg57.0000°,Azm280.0000° $M_0$3.80000×10^{16}
CSEM Event type ke.
NEIC Event type se.

ISC IV 21 20 18 34.6–.46 14.40N–.06 56.30E–.05 19–1 4.7b,4.2s 523 4-132
GCMT IV 21 20 18 30.7–.30 14.46N 56.22E 14–1 5.0W,4.2s **¶12643811**
IDC IV 21 20 18 31.8–.54 14.38N 56.36E 0 4.2,4.2
NEIC IV 21 20 18 32.9–.44 14.38N 56.23E 10 5.0b,4.2
BJI IV 21 20 18 33.2 14.50N 56.46E 8 5.2b,4.7s
TEH IV 21 20 18 33.0 12.28N 56.41E 10 4.8L,4.7s
MOS IV 21 20 18 34.9–1.4 14.40N 56.15E 33 5.2b,4.7s
ISCJB IV 21 20 18 34.1–1.8 14.39N–.05 56.21E–.04 31–12 4.6b,4.2s
CSEM IV 21 20 18 36.1–.22 14.41N 56.26E 30 5.0W,4.8b
DJA IV 21 20 19 04.2–3.8 15N–8.0 56E–10 281–47 5.2b,4.5
ISC Event type ke.
GCMT Event type se. Data Used: IC II IU CN G. Moment Tensor Solution. s23,c24; s57,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.77±.23 $M_{\theta\theta}$2.60±.15; $M_{\phi\phi}$0.17±.13; $M_{r\theta}$1.57±.30; $M_{\theta\phi}$-0.66±.08; $M_{\phi r}$-1.76±.36; Best double couple: NP1:ϕ_s88.00000°,δ29.00000°,λ-122.00000°. NP2:ϕ_s304.00000°,δ65.00000°,λ-73.00000°. Principal axes: T 3.4400,Plg19.0000° ,Azm22.0000°; N 0.3700,Plg15.0000°,Azm117.0000°; P -3.8100,Plg65.0000°,Azm244.0000° $M_0$3.60000×10^{16}
NEIC Event type se.

ISCJB Event type ke.
CSEM Event type ke.
ISC IV 28 01 04 40.2–.58 14.2N–.10 53.52E–.07 10 4.2b,3.2s 176 4-127
ISCJB IV 28 01 04 38.3–.45 14.19N–.08 53.49E–.05 10 4.1b,3.3s **¶12936376**
IDC IV 28 01 04 38.7–.69 14.14N 53.57E 0 4.1,4.0
NEIC IV 28 01 04 40.1–.36 14.16N 53.51E 10 4.8b,4.0
CSEM IV 28 01 04 40.4–.20 14.20N 53.47E 10 4.5b,3.5s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.5km az=1.9.
IDC Error ellipse: s-maj=16.9km s-min=15.7km az=157.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.9km az=188.0.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=7.0km az=176.0.
IDC V 06 12 43 30.6–.84 11.34N 57.61E 0 4.0,3.9
¶16155453

IDC Error ellipse: s-maj=20.7km s-min=17.4km az=3.0.
IDC V 24 13 41 34.0–1.0 12.68N 57.91E 0 3.9,3.8b
¶16156101

IDC Error ellipse: s-maj=26.2km s-min=18.4km az=30.0.
IDC VI 15 14 50 09.0–1.2 11.88N 58.22E 0 3.7,3.6
¶16101370

IDC Error ellipse: s-maj=40.7km s-min=28.6km az=119.0.
IDC VI 15 22 42 02.4–1.1 14.11N 53.67E 0 3.8,3.7b
¶16101383

IDC Error ellipse: s-maj=38.3km s-min=21.8km az=146.0.
ISC VI 15 23 00 39.8–.73 14.3N–.10 53.69E–.09 22 4.1b,3.5s 41 11-127
IDC VI 15 23 00 36.2–.80 14.26N 53.72E 0 4.1,4.0 **¶13209625**
ISCJB VI 15 23 00 37.8–.61 14.3N–.10 53.69E–.08 22 3.9b,3.5s
NEIC VI 15 23 00 37.9–.50 14.29N 53.69E 10 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=16.3km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=10.8km az=167.9.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.2km az=167.0.
IDC VI 15 23 11 33.2–1.6 14.14N 53.73E 0 3.7,3.6
¶16101384

IDC Error ellipse: s-maj=46.3km s-min=32.7km az=143.0.
IDC VI 16 00 16 31.3–1.1 14.20N 53.70E 0 3.8,3.6
¶16101385

IDC Error ellipse: s-maj=29.0km s-min=23.4km az=174.0.
ISC VI 17 04 12 53.0–.40 21.71N–.04 61.98E–.03 16–1 4.7b,4.2s 570 3-127
BJI VI 17 04 12 43.6 21.39N 61.27E 10 4.9b,4.7b **¶13383492**
IDC VI 17 04 12 50.1–.47 21.66N 62.11E 0 4.5,4.4
ISCJB VI 17 04 12 51.0–.84 21.72N–.03 61.99E–.02 15–5 4.7b,4.3s
NEIC VI 17 04 12 51.8–.24 21.72N 62.04E 10 4.9b,4.3s
TEH VI 17 04 12 52.0 21.75N 61.96E 10 4.8L,4.3s
CSEM VI 17 04 12 52.0–.16 21.74N 62.11E 10 5.0W,4.8b
PDA VI 17 04 12 52.3 21.80N 61.90E 10 4.7b,4.8b
MOS VI 17 04 12 53.3–.94 21.71N 61.99E 33 5.0b,4.1s
DJA VI 17 04 12 53.9–.30 22N–6.0 62E–5.0 10 5.3b,4.8b
GCMT VI 17 04 12 53.4–.30 21.67N 62.00E 29–2 5.0W,4.8b
OMAN VI 17 04 12 59.9–.12 21.68N 61.60E 86–2 5.0W,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=10.4km az=144.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.8km az=7.2.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.4km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.7km az=159.0.
MOS Error ellipse: s-maj=7.4km s-min=4.6km az=107.9.
GCMT Event type se. Data Used: IU II IC G. Moment Tensor Solution. s23,c30; s51,c71;
Moment tensor: Scale 10^{16}Nm; M_{rr}1.63±.18 $M_{\theta\theta}$0.59±.13; $M_{\phi\phi}$-2.21±.14; $M_{r\theta}$-1.78±.32;
$M_{\theta\phi}$0.24±.11; $M_{\phi r}$3.24±.40; Best double couple: NP1:ϕ_s201.00000°,δ18.00000°,λ137.00000°.
NP2:ϕ_s333.00000°,δ77.00000°,λ76.00000°. Principal axes: T 4.0900,Plg56.0000°
,Azm226.0000°; N 0.2300,Plg13.0000°,Azm336.0000°; P -4.3100,Plg31.0000°,Azm75.0000°
M_o4.20000×10^{16}
OMAN Error ellipse: s-maj=4.5km s-min=3.7km az=307.0.
IDC VI 23 19 03 52.2–1.3 14.12N 53.78E 0 3.7,3.6
¶16101663

IDC Error ellipse: s-maj=36.1km s-min=31.5km az=106.0.
ISC VI 26 06 38 49.5–2.0 12.7N–.20 57.9E–.30 10 4.0b,3.0s 25 27-83
ISCJB VI 26 06 38 47.8–1.3 12.7N–.10 57.8E–.20 10 3.9b,3.0s **¶13682048**
IDC VI 26 06 38 47.9–1.7 12.66N 57.87E 0 4.0,3.9b
NEIC VI 26 06 38 49.6–.98 12.67N 57.85E 10 4.2b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.8km s-min=16.6km az=156.7.
IDC Error ellipse: s-maj=48.3km s-min=22.7km az=64.0.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=12.5km az=66.0.
ISC VI 29 05 06 57.1–.56 14.4N–.10 56.37E–.10 19 4.2b,3.4s 120 13-132
IDC VI 29 05 06 54.1–.55 14.41N 56.35E 0 4.1,4.0 **¶13682236**
ISCJB VI 29 05 06 55.2–.49 14.45N–.08 56.31E–.07 19 4.1b,3.5s
NEIC VI 29 05 06 55.6–.40 14.43N 56.34E 10 4.7b,3.5s
CSEM VI 29 05 06 55.9–.20 14.47N 56.31E 10 4.6b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=15.4km s-min=14.0km az=139.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=9.9km az=163.3.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=9.1km az=153.0.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=8.7km az=160.0.

(741) Indian Ocean Triple Junction.

ISC II 15 16 23 56.3–.79 25.7S–.20 69.7E–.20 21 4.5b,4.0s 36 22-173
IDC II 15 16 23 53.2–.88 25.71S 69.71E 0 4.4,4.3b **¶12700815**
ISCJB II 15 16 23 54.2–.88 25.7S–.10 69.7E–.20 21 4.3b,3.9s
NEIC II 15 16 23 54.5–.46 25.71S 69.68E 10 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=19.3km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=29.3km s-min=14.4km az=145.9.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.4km az=56.0.
ISC III 20 08 38 08.7–.69 25.7S–.10 69.5E–.20 21 4.2b,3.9s 32 18-143
IDC III 20 08 38 05.1–.72 25.71S 69.54E 0 4.1,4.0 **¶12703796**
ISCJB III 20 08 38 06.5–.61 25.70S–.10 69.5E–.20 21 4.1b,3.9s
NEIC III 20 08 38 06.6–.54 25.72S 69.47E 10 4.5b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=17.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=12.3km az=159.6.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=11.4km az=68.0.
IDC III 24 22 31 17.9–3.4 28.38S 64.31E 0 3.9,3.7b
¶12635497

IDC Error ellipse: s-maj=102.5km s-min=47.6km az=52.0.
IDC IV 16 06 10 34.6–3.0 27.50S 66.62E 0 3.9,3.8
¶16152835

IDC Error ellipse: s-maj=91.7km s-min=45.3km az=49.0.
IDC VI 01 08 33 45.9–17 25.85S 69.02E 0 3.8,3.6
¶16066155

IDC Error ellipse: s-maj=556.6km s-min=40.1km az=51.0.
IDC VI 18 21 46 19.4–5.4 26.72S 69.13E 0 3.8,3.7
¶16101481

IDC Error ellipse: s-maj=149.5km s-min=36.8km az=56.0.

(742) Western Indian-Antarctic Ridge.

ISC I 04 10 55 57.6–.82 49.7S–.10 125.8E–.20 10 4.3b,3.7s 14 19-89
ISCJB I 04 10 55 55.8–.73 49.69S–.09 125.8E–.30 10 4.2b,3.7s **¶12080184**
IDC I 04 10 55 56.2–1.2 49.72S 125.75E 0 4.3,4.1
NEIC I 04 10 55 57.7–.56 49.71S 125.81E 10 4.5b,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.1km s-min=12.4km az=2.5.
IDC Error ellipse: s-maj=41.7km s-min=26.1km az=82.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=10.0km az=93.0.
IDC I 11 20 32 54.3–7.5 48.68S 121.19E 0 4.2,3.9b
¶12081063

IDC Error ellipse: s-maj=698.9km s-min=71.6km az=107.0.
IDC I 13 23 07 02.8–3.1 49.57S 118.36E 0 4.1,4.0
¶12081228

IDC Error ellipse: s-maj=127.0km s-min=47.4km az=96.0.
ISC I 13 23 49 16.3–.84 49.6S–.10 117.8E–.30 10 4.1b,3.6s 28 17-158
ISCJB I 13 23 49 14.9–.91 49.62S–.09 117.9E–.30 10 4.1b,3.5s **¶12081230**
IDC I 13 23 49 15.0–1.1 49.62S 117.84E 0 4.3,4.2
NEIC I 13 23 49 16.8–.56 49.62S 117.92E 10 4.3b,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.7km s-min=13.1km az=4.0.
IDC Error ellipse: s-maj=41.9km s-min=22.9km az=99.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=9.3km az=93.0.
IDC I 21 16 54 00.9–2.8 49.57S 117.53E 0 3.9,3.7
¶12081983

IDC Error ellipse: s-maj=66.5km s-min=56.8km az=139.0.
IDC II 01 08 25 04.1–2.9 49.59S 122.27E 0 4.2,4.0
¶15954819

IDC Error ellipse: s-maj=73.4km s-min=47.6km az=155.0.
IDC II 07 08 54 27.8–5.3 49.52S 124.02E 0 3.8,3.5
¶15955175

IDC Error ellipse: s-maj=283.9km s-min=72.7km az=97.0.
ISC II 14 00 51 47.4–.68 49.8S–.10 125.8E–.20 10 4.1b,3.9s 33 18-153
ISCJB II 14 00 51 45.4–.99 49.8S–.10 125.9E–.30 10 4.0b,3.9s **¶12700608**
IDC II 14 00 51 46.0–.82 49.74S 125.90E 0 4.3,4.2
NEIC II 14 00 51 47.2–.58 49.79S 125.71E 10 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.3km s-min=17.3km az=179.4.
IDC Error ellipse: s-maj=39.5km s-min=20.5km az=91.0.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=14.9km az=76.0.
IDC II 19 12 51 31.5–1.1 49.16S 123.47E 0 4.2,4.1
¶15956713

IDC Error ellipse: s-maj=46.2km s-min=23.3km az=99.0.
IDC II 19 16 30 13.8–4.7 49.36S 123.51E 0 3.7,3.5
¶15956721

IDC Error ellipse: s-maj=262.8km s-min=65.3km az=99.0.
IDC II 21 23 31 13.0–3.8 49.40S 124.47E 0 3.9,3.8
¶15956906

IDC Error ellipse: s-maj=111.5km s-min=66.6km az=110.0.
IDC III 04 06 25 22.6–3.6 48.66S 117.53E 0 4.0,3.9s
¶12702402

IDC Error ellipse: s-maj=128.7km s-min=67.8km az=124.0.
IDC III 13 20 51 00.7–1.4 48.77S 127.33E 0 4.0,3.8
¶12703199

IDC Error ellipse: s-maj=70.9km s-min=24.9km az=87.0.
ISC III 21 15 55 42.8–.55 48.70S–.08 126.5E–.20 13 4.6b,4.2s 42 17-149
ISCJB III 21 15 55 40.7–.48 48.75S–.06 126.5E–.20 13 4.5b,4.2s **¶12599194**
GCMT III 21 15 55 40.1–.30 48.82S 126.80E 12 5.0W,4.2s
IDC III 21 15 55 41.3–.70 48.68S 126.41E 0 4.4,4.3
NEIC III 21 15 55 42.1–.45 48.73S 126.56E 10 4.8b,4.3
DJA III 21 15 55 47.3–.30 49S–5.0 126E–8.0 10 5.6b,5.1
ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s23,c29; s65,c101;
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.24±.09 $M_{\theta\theta}$3.10±.08; $M_{\phi\phi}$0.14±.10; $M_{r\theta}$-1.37±.30;
$M_{\theta\phi}$-0.29±.08; $M_{\phi r}$-1.96±.36; Best double couple: NP1:ϕ_s294.00000°,δ38.00000°,λ-52.00000°.
NP2:ϕ_s69.00000°,δ61.00000°,λ-116.00000°. Principal axes: T 3.3900,Plg12.0000°
,Azm177.0000°; N 1.0000,Plg23.0000°,Azm82.0000°; P -4.3900,Plg64.0000°,Azm294.0000°
M_o3.90000×10^{16}
NEIC Event type se.
ISC IV 04 22 26 16.3–.48 49.40S–.09 117.0E–.20 10 4.3b,3.9s 98 16-151
ISCJB IV 04 22 26 14.8–.42 49.44S–.07 117.1E–.20 10 4.1b,3.9s **¶12934428**
IDC IV 04 22 26 14.7–.70 49.44S 116.95E 0 4.3,4.2
NEIC IV 04 22 26 16.3–.36 49.49S 117.04E 10 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=9.1km az=17.8.
IDC Error ellipse: s-maj=35.8km s-min=15.3km az=105.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=8.0km az=105.0.
ISC IV 05 01 16 50.1–.73 49.0S–.10 124.2E–.30 13 4.2b,3.7s 18 17-151
ISCJB IV 05 01 16 48.5–.77 48.99S–.08 124.4E–.40 13 4.0b,3.7s **¶12934598**
NEIC IV 05 01 16 49.6–.51 48.98S 124.18E 10 4.3b,3.7s
IDC IV 05 01 16 49.2–.95 49.08S 124.92E 0 4.4,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.1km s-min=11.8km az=179.1.
NEIC Event type se. Error ellipse: s-maj=31.3km s-min=10.5km az=90.0.
IDC Error ellipse: s-maj=60.0km s-min=19.9km az=91.0.
IDC IV 06 06 01 28.1–5.3 49.31S 123.19E 0 3.7,3.5
¶16152437

IDC Error ellipse: s-maj=310.4km s-min=72.1km az=100.0.
ISC IV 06 18 34 16.7–.50 49.35S–.09 123.4E–.20 10 4.2b,3.8s 105 17-150
ISCJB IV 06 18 34 14.8–.53 49.35S–.07 123.5E–.30 10 4.1b,3.8s **¶12934623**
IDC IV 06 18 34 15.1–.63 49.35S 123.44E 0 4.3,4.2
NEIC IV 06 18 34 16.8–.32 49.34S 123.34E 10 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=9.2km az=10.3.
IDC Error ellipse: s-maj=36.6km s-min=15.5km az=99.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=7.9km az=97.0.
IDC IV 07 06 26 52.9–2.1 49.73S 116.53E 0 4.2,3.9
¶16152494

IDC Error ellipse: s-maj=66.6km s-min=53.9km az=110.0.
ISC IV 08 01 57 45.3–.51 49.67S–.08 125.9E–.10 10 4.4b,3.8s 45 18-151
ISCJB IV 08 01 57 43.7–.45 49.66S–.06 126.1E–.20 10 4.4b,3.9s **¶12934841**
IDC IV 08 01 57 44.0–.66 49.64S 126.03E 0 4.6,4.5
NEIC IV 08 01 57 45.5–.37 49.63S 125.92E 10 4.7b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=8.2km az=14.5.
IDC Error ellipse: s-maj=34.8km s-min=14.6km az=99.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.1km az=106.0.
IDC IV 08 06 09 01.7–1.4 49.46S 125.98E 0 4.2,4.0
¶16152536

IDC Error ellipse: s-maj=53.1km s-min=25.0km az=95.0.
IDC IV 09 13 02 50.6–41 50.20S 116.54E 0 4.1,4.0
¶16152585

IDC Error ellipse: s-maj=691.6km s-min=74.0km az=45.0.
ISC IV 17 15 35 58.1–.47 49.66S–.06 126.04E–.07 16–2 4.8b,4.5s 219 16-153
BJI IV 17 15 35 54.8 50.09S 125.98E 15 5.4b,5.2s **¶12608510**
IDC IV 17 15 35 55.7–.50 49.63S 125.84E 0 4.9,4.8
NEIC IV 17 15 35 56.8–.35 49.52S 125.93E 10 5.0b,4.8
ISCJB IV 17 15 35 56.3–.29 49.59S–.05 126.08E–.10 17 4.8b,4.4s
GCMT IV 17 15 35 57.8–.20 49.60S 125.97E 19–1 5.3W,4.4s
DJA IV 17 15 36 03.6–3.1 49S–23 126E–10 46–21 5.3b,5.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c76; s79,c142;
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00
Best double couple: NP1:ϕ_s284.00000°,δ79.00000°,λ-10.00000°. NP2:ϕ_s16.00000°
,δ80.00000°,λ-168.00000°. Principal axes: T 1.0600,Plg1.0000°,Azm150.0000°
; N -0.0800,Plg75.0000°,Azm57.0000°; P -0.9800,Plg15.0000°,Azm240.0000°
M_o1.00000×10^{17}
IDC IV 18 19 32 09.5–2.6 49.00S 128.57E 0 4.2,4.0
¶16153003

IDC Error ellipse: s-maj=94.3km s-min=51.4km az=121.0.
IDC IV 30 21 22 28.4–10 49.85S 123.70E 0 3.9,3.7b
¶16154681

IDC Error ellipse: s-maj=585.5km s-min=29.9km az=93.0.
IDC V 01 15 34 51.4–3.0 48.81S 123.45E 0 3.9,3.6
¶16154710

IDC Error ellipse: s-maj=78.1km s-min=59.3km az=139.0.
IDC V 04 10 43 36.9–4.1 49.92S 126.86E 0 4.1,4.0
¶16154893

IDC Error ellipse: s-maj=137.7km s-min=71.5km az=106.0.
ISC V 15 08 26 54.7–.69 49.9S–.10 127.1E–.20 10 4.3b,3.6s 23 18-150
ISCJB V 15 08 26 52.7–.59 49.88S–.08 127.1E–.30 10 4.2b,3.7s **¶12853286**
IDC V 15 08 26 53.1–.81 49.93S 127.33E 0 4.5,4.4b
NEIC V 15 08 26 55.1–.44 49.87S 126.92E 10 4.2b,4.4b
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=31.4km s-min=9.9km az=13.4.
IDC Error ellipse: s-maj=44.2km s-min=15.5km az=101.0.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=8.4km az=103.0.
IDC V 16 02 11 05.3–2.9 51.94S 140.72E 0 4.0,3.8
¶16155790

IDC Error ellipse: s-maj=273.1km s-min=26.4km az=85.0.
IDC V 18 00 04 07.1–6.9 49.01S 122.81E 0 3.8,3.5
¶16155861

IDC Error ellipse: s-maj=539.5km s-min=72.1km az=102.0.
IDC V 22 18 09 25.2–.88 48.90S 121.40E 0 4.1,3.9
¶16156030

IDC Error ellipse: s-maj=50.0km s-min=18.0km az=103.0.
ISC V 22 18 24 59.1–.58 48.83S–.09 121.2E–.20 10 4.0s,4.0b 32 16-147
ISCJB V 22 18 24 57.2–.66 48.95S–.09 121.4E–.30 10 4.0s,3.9b **¶13679434**
IDC V 22 18 24 57.5–.69 48.87S 121.18E 0 4.1,4.0
NEIC V 22 18 24 58.8–.55 48.98S 121.26E 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.9km s-min=12.4km az=1.7.
IDC Error ellipse: s-maj=38.7km s-min=17.0km az=102.0.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=12.0km az=95.0.
ISC VI 03 18 54 40.8–.34 50.09S–.04 120.75E–.06 15–1 5.4b,5.2s 522 17-170
BJI VI 03 18 54 33.1 50.74S 120.60E 5 6.0b,5.6b **¶14931232**
ISCJB VI 03 18 54 38.5–.24 50.02S–.04 120.74E–.08 10 5.4b,5.2s
MOS VI 03 18 54 38.7–1.4 49.97S 120.67E 10 5.6b,5.0s
NEIC VI 03 18 54 38.4–.14 50.01S 120.59E 3 5.7W,5.6W
IDC VI 03 18 54 38.4–.38 49.99S 120.59E 0 5.2,5.2
GCMT VI 03 18 54 42.6–.10 49.96S 120.80E 14–0 5.6W,5.2
DJA VI 03 18 54 47.7–1.1 50S–3.0 121E–4.0 55–11 6.0b,5.9
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.75 $M_{\theta\theta}$4.19 $M_{\phi\phi}$0.56 $M_{r\theta}$1.17 $M_{\theta\phi}$0.40 $M_{\phi r}$1.79 Best double couple: NP1:ϕ_s247.00000° ,δ56.00000°,λ-108.00000°. NP2:ϕ_s97.00000°,δ38.00000°,λ-66.00000°. Principal axes: T 4.4500,Plg9.0000°,Azm349.0000°; N 0.9600,Plg14.0000°,Azm257.0000° ; P -5.4000,Plg72.0000°,Azm110.0000° $M_0$5.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta= 98, comp=215, per= 50. Moment Tensor Solution. s94,c172; s66,c76; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.06±.04 $M_{\theta\theta}$2.91±.03; $M_{\phi\phi}$0.16±.03; $M_{r\theta}$-1.58±.08; $M_{\theta\phi}$-1.16±.02; $M_{\phi r}$0.67±.07; Best double couple: NP1:ϕ_s288.00000°,δ31.00000°,λ-93.00000°. NP2:ϕ_s112.00000°,δ59.00000°,λ-88.00000°. Principal axes: T 3.7700,Plg14.0000°,Azm200.0000°; N -0.2600,Plg1.0000°,Azm291.0000° ; P -3.4900,Plg76.0000°,Azm26.0000° $M_0$3.60000×10^{17}
IDC VI 03 19 57 28.0–2.9 49.70S 118.20E 0 4.1,3.9
¶16100907

IDC Error ellipse: s-maj=94.7km s-min=26.0km az=95.0.
IDC VI 03 23 05 20.7–5.8 48.19S 127.77E 0 4.2,4.0
¶16100914

IDC Error ellipse: s-maj=123.7km s-min=93.8km az=122.0.
IDC VI 04 00 32 06.1–3.8 49.97S 126.70E 0 4.0,3.8
¶16100919

IDC Error ellipse: s-maj=121.6km s-min=64.8km az=101.0.
IDC VI 04 02 14 56.1–2.1 49.84S 118.67E 0 4.1,3.9
¶16100922

IDC Error ellipse: s-maj=117.3km s-min=26.4km az=101.0.
IDC VI 04 02 17 05.8–4.4 49.38S 115.95E 0 3.9,3.7
¶16100923

IDC Error ellipse: s-maj=283.3km s-min=26.1km az=108.0.
IDC VI 06 05 03 43.3–5.0 48.56S 123.90E 0 4.3,4.0
¶16101007

IDC Error ellipse: s-maj=287.6km s-min=66.8km az=98.0.
IDC VI 08 08 25 44.5–.79 48.93S 121.25E 0 4.2,4.1
¶16101098

IDC Error ellipse: s-maj=42.0km s-min=16.1km az=107.0.
ISC VI 21 18 24 46.5–.63 51.00S–.10 116.7E–.20 10 4.2b,3.5s 31 18-150
ISCJB VI 21 18 24 44.6–.73 51.0S–.10 116.8E–.30 10 4.1b,3.5s **¶13681801**
IDC VI 21 18 24 45.2–.77 51.02S 116.74E 0 4.3,4.1
NEIC VI 21 18 24 46.4–.31 51.03S 116.74E 10 4.8b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.8km s-min=14.6km az=14.6.
IDC Error ellipse: s-maj=36.9km s-min=17.7km az=105.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=9.5km az=106.0.
IDC VI 24 14 10 15.0–7.3 49.21S 114.75E 0 3.9,3.6
¶16101697

IDC Error ellipse: s-maj=262.0km s-min=28.9km az=100.0.
ISC VI 26 01 59 57.8–.50 49.74S–.10 121.9E–.20 10 4.3b,4.0s 45 17-151
ISCJB VI 26 01 59 56.1–.50 49.71S–.08 121.8E–.20 10 4.2b,3.8s **¶13682039**
IDC VI 26 01 59 56.3–.65 49.72S 121.81E 0 4.3,4.2b
NEIC VI 26 01 59 57.8–.23 49.74S 121.90E 10 4.5b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=8.5km az=24.6.
IDC Error ellipse: s-maj=36.9km s-min=14.4km az=108.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=4.7km az=115.0.
ISC VI 27 10 14 16.3–.55 51.0S–.10 116.7E–.20 10 4.1b 53 18-150
ISCJB VI 27 10 14 14.5–.56 50.97S–.10 116.7E–.20 10 4.1b,3.3s **¶13682130**
IDC VI 27 10 14 14.9–.66 50.96S 116.62E 0 4.3,4.2
NEIC VI 27 10 14 16.6–.35 50.96S 116.58E 10 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.7km s-min=10.3km az=26.7.
IDC Error ellipse: s-maj=33.1km s-min=14.9km az=112.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=8.3km az=116.0.

SEISMIC REGION 34.
Eastern North America.

(440) Hudson Bay.

ISC III 22 16 27 10.7–.53 61.86N–.03 79.67W–.03 10 3.5b 46 1-71
IDC III 22 16 27 14.7–.64 61.97N 79.55W 0 3.9,3.9s **¶12635305**
OTT III 22 16 27 15.1–.17 62.10N 79.70W 5 3.8,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=12.3km s-min=9.7km az=7.0.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. 90km west from Ivujivik, Qc Boothia Ungava Seismic Zone.
ISC III 27 12 27 11.6–.50 61.98N–.03 79.60W–.03 10 3.3b 56 1-36
IDC III 27 12 27 14.0–.85 61.96N 79.47W 0 3.8,3.6 **¶12070680**
OTT III 27 12 27 14.5–.19 62.06N 79.63W 5 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=16.0km s-min=10.1km az=20.0.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 98km southwest from Ivujivik, Qc Boothia Ungava Seismic Zone.
ISC IV 01 04 27 31.2–.57 61.98N–.04 79.67W–.04 10 3.2b 65 1-152
OTT IV 01 04 27 33.8–.18 62.04N 79.60W 5 3.6 **¶12084581**
IDC IV 01 04 27 33.5–.76 62.01N 79.56W 0 3.7,3.5
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 97km southwest from Ivujivik, Qc Boothia Ungava Seismic Zone.
IDC Error ellipse: s-maj=12.4km s-min=8.2km az=174.0.
ISC VI 09 23 15 14.9–.54 61.97N–.03 79.65W–.04 25 3.5b 78 1-74
ISCJB VI 09 23 15 13.4–.32 61.97N–.02 79.75W–.06 25 3.4b **¶12976658**
IDC VI 09 23 15 15.7–.69 62.02N 79.52W 0 3.9,3.7
OTT VI 09 23 15 16.2–.05 62.06N 79.62W 5 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=149.7.
IDC Error ellipse: s-maj=11.6km s-min=8.0km az=174.0.
OTT Event type ke. 97km southwest from Ivujivik, Qc Boothia Ungava Seismic Zone.

(442) Hudson Strait region.

ISC III 21 19 17 54.3–.30 62.00N–.04 79.63W–.04 10 4.2b,3.5s 362 1-135
BJI III 21 19 17 51.1 62.02N 79.26W 7 5.0b,5.0b **¶12053781**
ISCJB III 21 19 17 52.8–.16 61.86N–.02 79.37W–.05 10 4.2b,3.5s
NEIC III 21 19 17 53.7 62.06N 79.65W 5 4.4,4.3b
IDC III 21 19 17 53.3–.45 61.99N 79.63W 0 4.2,4.1
OTT III 21 19 17 53.6–.19 62.06N 79.66W 4 4.4,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=145.0.
NEIC Event type se. After OTT. Moment Tensor Solution. $M_0$5.90000×10^{14}
IDC Error ellipse: s-maj=10.0km s-min=9.2km az=11.0.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0. 99km southwest from Ivujivik, Qc Boothia Ungava Seismic Zone.
ISC III 21 19 34 47.6–.55 62.04N–.04 79.71W–.05 10 3.3b 47 1-152
OTT III 21 19 34 48.9–.16 62.09N 79.66W 5 3.8 **¶12635208**
IDC III 21 19 34 48.3–.74 61.96N 79.49W 0 3.9,3.7
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. 95km west from Ivujivik, Qc Boothia Ungava Seismic Zone.
IDC Error ellipse: s-maj=14.8km s-min=10.4km az=26.0.
ISC III 22 05 31 15.3–.68 62.07N–.05 79.74W–.06 10 3.5b 44 4-74
IDC III 22 05 31 15.5–1.1 62.22N 79.39W 0 4.0,3.8 **¶12635264**
OTT III 22 05 31 17.5–.24 62.07N 79.62W 5 3.9,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=12.4km az=27.0.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0. 95km southwest from Ivujivik, Qc Boothia Ungava Seismic Zone.
OTT III 22 05 35 10.7–.32 62.08N 79.48W 5 3.6
¶13436990

OTT Event type ke. Error ellipse: s-maj=3.3km s-min=6.8km az=-1.0. 90km southwest from Ivujivik, Qc Boothia Ungava Seismic Zone.
ISC III 22 16 38 48.6–.59 62.04N–.04 79.59W–.04 10 36 1-16
ISCJB III 22 16 38 47.2–.39 62.01N–.03 79.84W–.06 10 **¶12635306**
OTT III 22 16 38 52.0–.16 62.08N 79.64W 5 3.4
IDC III 22 16 38 51.5–2.1 61.99N 79.50W 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=34.8.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. 90km west from Ivujivik, Qc Boothia Ungava Seismic Zone.
IDC Error ellipse: s-maj=31.8km s-min=12.6km az=22.0.
ISC III 24 12 00 24.4–.63 62.05N–.04 79.71W–.04 10 50 1-16
ISCJB III 24 12 00 21.8–.36 62.03N–.02 79.83W–.06 10 **¶12060869**
OTT III 24 12 00 27.1–.23 62.05N 79.63W 5 3.4
IDC III 24 12 00 27.0–1.1 62.04N 79.49W 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=144.3.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. 98km southwest from Ivujivik, Qc Boothia Ungava Seismic Zone.
IDC Error ellipse: s-maj=13.9km s-min=9.5km az=171.0.
ISC III 27 12 03 40.6–.57 62.01N–.04 79.58W–.04 10 3.4b 66 1-36
OTT III 27 12 03 43.5–.16 62.04N 79.63W 4 3.7 **¶12062606**
IDC III 27 12 03 43.0–.80 61.96N 79.58W 0 3.8,3.6
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 99km southwest from Ivujivik, Qc Boothia Ungava Seismic Zone.
IDC Error ellipse: s-maj=13.7km s-min=9.1km az=12.0.
ISC III 27 12 19 26.3–.66 62.02N–.04 79.59W–.04 10 49 1-23
IDC III 27 12 19 28.6–1.1 62.03N 79.67W 0 3.5,3.4 **¶12070679**
OTT III 27 12 19 29.3–.35 62.05N 79.61W 5 3.3,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=12.1km az=4.0.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0. 97km southwest from Ivujivik, Qc Boothia Ungava Seismic Zone.
OTT VI 09 20 50 33.7–.08 62.05N 79.62W 5 3.6
¶12976657

OTT Event type ke. 97km southwest from Ivujivik, Qc Boothia Ungava Seismic Zone.
ISC VI 28 00 23 29.3–.70 62.06N–.04 79.60W–.05 10 3.3b 45 1-74
ISCJB VI 28 00 23 27.3–.38 62.10N–.02 79.78W–.06 10 3.3b **¶13307131**
OTT VI 28 00 23 32.4–.13 62.07N 79.56W 5 3.4
IDC VI 28 00 23 32.3–1.4 62.04N 79.47W 0 3.8,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=153.7.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 94km southwest from Ivujivik, Qc Boothia Ungava Seismic Zone.
IDC Error ellipse: s-maj=26.0km s-min=12.1km az=20.0.

(444) Davis Strait.

OTT V 08 20 36 44.8–.13 68.12N 59.17W 18 3.5L
¶12818691

OTT Event type ke. Error ellipse: s-maj=6.7km s-min=1.7km az=-1.0. Davis Strait. 215km east from Qikiqtarjuaq, Nu Eastern Arctic Background Seismic Zone.

(446) Labrador Sea.

OTT II 05 01 56 58.8–1.5 58.02N 58.79W 18 3.5L
¶11667311

OTT Event type ke. Error ellipse: s-maj=7.8km s-min=7.7km az=-1.0. LAlbertaRADOR Sea Seismic Zone. 191km east from Nutak, Nl.
ISC III 13 21 18 14.8–.76 56.58N–.08 58.89W–.08 10 3.6b 32 5-146
IDC III 13 21 18 14.8–1.1 56.67N 58.66W 0 3.8,3.6b **¶11905564**
OTT III 13 21 18 15.4–.86 56.62N 58.71W 18 4.0L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=11.9km az=141.0.
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=6.7km az=-1.0. LAlbertaRADOR Sea Seismic Zone. 160km northeast from Davis Inlet, Nl.
OTT V 10 12 25 51.4–.47 57.68N 59.74W 18 3.5L
¶12818784

OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0. Labrador Sea. 130km east from Nutak, Nl Boothia Ungava Seismic Zone.

(451) New Brunswick.

OTT III 08 08 16 04.6–.07 46.60N 66.31W 5 3.4
NEIC III 08 08 16 04.6 46.60N 66.31W 5 3.6,3.4 **¶11788804**
OTT Event type fe. 70km west from Rogersville, Nb. Felt Northern Appalachians Seismic Zone. Was felt in Doaktown, Blissville, Boiestown, Nb.
NEIC Event type fe. Felt [III] at Chatham and [II] at Fredericton. Also felt at Bailey, Bathurst, Boiestown, Doaktown and Plaster Rock. After OTT.

(456) Montana.

ISC II 14 23 17 02.9–.95 45.53N–.01 111.89W–.01 6–8 136 0-17
NEIC II 14 23 17 03.0 45.53N 111.89W 12 3.3L **¶12700722**
IDC II 14 23 17 07.6–1.5 45.39N 111.85W 0 3.1,3.0
ISC Event type se.
NEIC Event type se. After BUT.
IDC Error ellipse: s-maj=21.5km s-min=12.0km az=49.0.
ISC III 04 05 26 09.4–.87 45.35N–.01 112.58W–.01 6–6 147 0-3
NEIC III 04 05 26 09.6 45.35N 112.59W 8 2.5L **¶14269587**
ISC Event type se.
NEIC Event type se. After BUT.
ISC III 06 11 29 54.0–.90 45.71N–.01 112.13W–.01 9–6 4.1b 307 0-97
BJI III 06 11 29 50.3 45.00N 111.94W 24 4.8b **¶11758354**
ISCJB III 06 11 29 53.4–.28 45.722N–.01 112.13W–.01 2–2 3.9b
IDC III 06 11 29 54.1–.61 45.74N 112.12W 0 4.5s,4.5
NEIC III 06 11 29 54.5 45.70N 112.13W 12 4.2L,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.4km az=148.1.
IDC Error ellipse: s-maj=10.4km s-min=8.4km az=76.0.
NEIC Event type fe. Felt [IV] at Pony, [III] at Whitehall and [II] at Bozeman, Harrison, Helena and Sheridan. Also felt at Belgrade, Big Sky, Cardwell, Ennis, Livingston, Manhattan, McAllister, Norris, Silver Star and Twin Bridges. After BUT.
ISC III 06 11 33 04.8–.99 45.71N–.02 112.12W–.02 6–9 75 0-3
NEIC III 06 11 33 05.0 45.70N 112.13W 10 3.4L **¶14269613**
ISC Event type se.
NEIC Event type se. After BUT.
ISC III 14 03 58 38.6–.77 45.75N–.01 112.13W–.01 0–7 195 0-17
IDC III 14 03 58 39.3–1.1 45.82N 112.19W 0 3.5,3.3L **¶12053775**
NEIC III 14 03 58 39.0 45.70N 112.12W 11 3.2L,3.3L
ISC Event type fe.
IDC Error ellipse: s-maj=18.5km s-min=8.6km az=56.0.

NEIC Event type fe. Felt at Whitehall. After BUT.
ISC III 25 19 57 47.2–.79 45.36N–.01 112.58W–.01 11–5 131 0-3
NEIC III 25 19 57 47.0 45.36N 112.58W 11 2.5L ¶14269766
ISC Event type se.
NEIC Event type se. After BUT.
ISC IV 08 00 01 32.2–1.0 46.20N–.02 111.34W–.03 8–9 30 0-2
ISCJB IV 08 00 01 31.9–.51 46.20N–.02 111.33W–.03 4–5 ¶14413528
NEIC IV 08 00 01 32.0 46.20N 111.34W 2 3.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.3km az=175.6.
NEIC Event type se. After BUT.
ISC IV 18 19 59 47.5–.83 45.35N–.02 112.58W–.02 11–6 103 0-17
ISCJB IV 18 19 59 46.7–.34 45.32N–.01 112.57W–.03 1–4 ¶12935529
IDC IV 18 19 59 47.9–1.0 45.56N 112.33W 0 3.3,3.2
NEIC IV 18 19 59 48.0 45.33N 112.59W 11 3.3L,3.2
ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=1.4.
IDC Error ellipse: s-maj=17.3km s-min=7.6km az=54.0.
NEIC Event type fe. Felt [II] at Dillon. After BUT.
ISC V 29 18 16 02.2–.82 48.59N–.04 112.45W–.04 10 57 1-84
ISCJB V 29 18 16 01.0–.42 48.62N–.03 112.36W–.06 10 3.3b ¶12886811
NEIC V 29 18 16 01.0 48.52N 112.34W 0 3.9L,3.6L
IDC V 29 18 16 01.4–.98 48.53N 112.32W 0 3.6,3.4
PGC V 29 18 16 03.6–4.3 48.62N 112.31W 1 3.6L,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.5km az=161.3.
NEIC Event type fe. Felt at Cut Bank. After BUT. Moment Tensor Solution. $M_0$6.90000×10^{13}
IDC Error ellipse: s-maj=11.4km s-min=9.6km az=29.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 125km Sse of Lethbridge, Alberta Montana.

(457) Eastern Idaho.

ISC I 16 04 15 35.0–.98 43.23N–.01 111.01W–.01 0–6 4.0b 397 0-90
IDC I 16 04 15 34.6–.66 43.30N 111.02W 0 4.0,3.8 ¶11596025
NEIC I 16 04 15 35.6–.19 43.22N 110.87W 5 4.0W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=6.0km az=24.0.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=74.0. Felt [IV] at Alpine; [III] at Bedford, Etna, Freedom, Jackson and Wilson; [II] at Thayne. Also felt at Afton, Alta, Auburn, Moose and Teton Village. Felt [II] at Blackfoot, Idaho Falls, Irwin and Victor, Idaho. Also felt at Soda Springs and Swan Valley. Moment Tensor Solution. $M_0$1.30000×10^{15}

(459) Yellowstone region.

ISC I 01 05 19 50.9–.95 44.52N–.02 110.35W–.02 9–8 57 0-3
NEIC I 01 05 19 50.0 44.53N 110.36W 0 2.5L ¶13988922
ISC Event type se.
NEIC Event type se. After SLC.
ISC I 01 10 02 57.5–.96 44.53N–.02 110.35W–.02 3–8 76 0-3
NEIC I 01 10 02 57.0 44.53N 110.36W 2 2.9L ¶13988927
ISC Event type se.
NEIC Event type se. After SLC.
ISC I 01 10 06 50.7–.92 44.53N–.02 110.37W–.02 4–7 77 0-5
NEIC I 01 10 06 50.0 44.54N 110.35W 2 2.9L ¶13988926
ISC Event type se.
NEIC Event type se. After SLC.
ISC I 01 10 13 01.1–.95 44.52N–.02 110.36W–.02 9–10 52 0-5
NEIC I 01 10 13 00.0 44.53N 110.36W 0 2.6L ¶13988925
ISC Event type se.
NEIC Event type se. After SLC.
ISC I 01 12 51 24.6–1.0 44.55N–.02 110.36W–.02 3–9 68 0-3
NEIC I 01 12 51 24.0 44.55N 110.36W 1 2.9L ¶13988923
ISC Event type se.
NEIC Event type se. After SLC.
ISC I 02 05 10 54.6–1.1 44.55N–.02 110.35W–.02 3–10 49 0-4
NEIC I 02 05 10 54.0 44.55N 110.35W 0 2.5L ¶11534353
ISC Event type se.
NEIC Event type se. After SLC.
ISC I 02 18 32 49.0–1.1 44.54N–.02 110.36W–.02 1–9 122 0-29
IDC I 02 18 32 48.1–1.7 44.62N 109.84W 0 3.6,3.5b ¶11534355
NEIC I 02 18 32 49.0 44.55N 110.36W 5 3.5L,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=9.3km az=75.0.
NEIC Event type se. After SLC.
ISC I 02 18 48 21.5–.93 44.55N–.02 110.36W–.02 3–8 70 0-5
NEIC I 02 18 48 21.0 44.55N 110.35W 1 2.8L ¶11534356
ISC Event type se.
NEIC Event type se. After SLC.
ISC I 02 19 40 53.9–.92 44.54N–.02 110.36W–.02 4–7 76 0-7
NEIC I 02 19 40 53.0 44.55N 110.37W 0 3.2L,2.8L ¶11534357
ISC Event type se.
NEIC Event type se. After SLC.
ISC I 02 20 15 39.1–.95 44.52N–.02 110.35W–.02 0–8 92 0-7
NEIC I 02 20 15 39.0 44.53N 110.37W 3 3.1L,3.0L ¶11534358
ISC Event type se.
NEIC Event type se. After SLC.
ISC I 02 20 33 53.8–1.0 44.53N–.02 110.33W–.02 5–10 51 0-2
NEIC I 02 20 33 53.0 44.55N 110.34W 1 2.7L ¶11534360
ISC Event type se.
NEIC Event type se. After SLC.
ISC I 09 18 17 30.7–1.1 44.67N–.02 110.22W–.02 0–12 125 0-30
NEIC I 09 18 17 31.0 44.68N 110.25W 3 3.4L,3.3L ¶11534461
IDC I 09 18 17 34.0–.96 44.50N 109.93W 0 3.8,3.5
ISC Event type se.
NEIC Event type se. After SLC.
IDC Error ellipse: s-maj=15.8km s-min=10.4km az=109.0.
ISC I 14 03 11 05.3–.92 44.56N–.02 110.81W–.02 6–8 101 0-4
NEIC I 14 03 11 05.0 44.55N 110.80W 6 2.5L ¶11594646
ISC Event type fe.
NEIC Event type fe. Felt [III] in Yellowstone National Park. After SLC.
ISC I 27 19 23 25.0–.76 44.69N–.02 110.23W–.02 10 83 0-18
IDC I 27 19 23 23.0–1.3 44.63N 108.54W 0 3.4,3.2 ¶12082508
NEIC I 27 19 23 23.0 44.69N 110.26W 2 2.8L,2.8L
ISCJB I 27 19 23 25.1–.24 44.69N–.02 110.22W–.03 10 2.8L,2.8L
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se.
ISC IV 29 01 14 33.2–1.2 44.57N–.03 110.75W–.04 14–11 37 0-6
ISCJB IV 29 01 14 31.7–.70 44.53N–.03 110.88W–.06 6–6 ¶12738681
NEIC IV 29 01 14 33.0 44.54N 110.77W 15 2.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.4km az=169.5.
NEIC Event type se. After SLC.

(460) Wyoming.

ISC III 07 02 45 10.1–1.1 41.70N–.01 109.89W–.02 3–9 171 0-21
NEIC III 07 02 45 10.0 41.67N 109.92W 4 3.5L ¶12702606
IDC III 07 02 45 10.0–1.9 41.76N 109.85W 0 3.4,3.1
ISC Event type se.
NEIC Event type se. After SLC.
IDC Error ellipse: s-maj=28.3km s-min=11.1km az=126.0.
ISC III 21 08 47 50.5–.98 43.31N–.01 110.80W–.01 2–8 270 0-19
NEIC III 21 08 47 50.7–.40 43.32N 110.72W 5 3.4W,3.1L ¶12053736
IDC III 21 08 47 50.4–1.1 43.40N 110.61W 0 3.4,3.3
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.1km az=87.0. Felt [II] at Jackson and Wilson. Moment Tensor Solution. $M_0$1.80000×10^{14}
IDC Error ellipse: s-maj=20.9km s-min=9.8km az=40.0.
ISC V 17 06 45 17.1–1.2 42.58N–.03 108.16W–.03 6–8 4.1b 104 1-123
IDC V 17 06 45 15.8–.74 42.62N 108.10W 0 4.0,3.9b ¶12828754
NEIC V 17 06 45 18.2–.26 42.54N 108.12W 5 3.7W,3.9b
ISC Event type fe.
IDC Error ellipse: s-maj=8.9km s-min=7.0km az=169.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=56.0. Felt [III] at Lander and [II] at Rock Springs. Also felt at Fort Washakie, Jeffrey City, Riverton and Thermopolis. Moment Tensor Solution. $M_0$4.50000×10^{14}

(471) Ohio.

NEIC II 14 13 16 27.2 41.84N 81.00W 5 2.6,2.6
OTT II 14 13 16 27.3–.07 41.84N 81.00W 5 2.6,2.6 ¶11678018
NEIC Event type fe. Felt in the Madison area. After OGSO.
OTT Event type ke. South shore Lake Erie 93km south from Port Stanley, On Eastern Background Seismic Zone.

(472) New York.

ISC VI 05 15 07 51.9–1.1 42.84N–.02 78.26W–.02 8–9 78 0-5
ISCJB VI 05 15 07 50.6–.46 42.89N–.02 78.23W–.02 0–4 ¶12933398
OTT VI 05 15 07 52.8–.30 42.86N 78.25W 18 3.4
NEIC VI 05 15 07 52.0 42.83N 78.25W 5 2.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=12.2.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0. 56km east from Fort Erie, On Attica Seismic Zone. Possible blast.
NEIC Event type fe. Felt [IV] at Darien Center; [III] at Attica and Warsaw; [II] at Alden, Alexander and Varysburg. Also felt at Akron, Bowmansville, Buffalo, Cowlesville, Dale, Dunkirk, Lancaster, Lockport, North Java and Strykersville. After LDO.

(478) Utah.

ISC II 19 01 00 37.4–1.2 38.87N–.03 111.24W–.03 2–10 65 0-24
NEIC II 19 01 00 30.2 38.33N 110.56W 1 2.8L ¶12701193
IDC II 19 01 00 30.2–3.7 38.33N 110.57W 0 3.3L,3.1
ISC Event type se.
NEIC Event type se. After SLC.
IDC Error ellipse: s-maj=51.3km s-min=12.7km az=133.0.
ISC III 09 03 20 23.4–1.1 38.82N–.02 111.72W–.02 2–10 76 0-6
ISCJB III 09 03 20 23.1–.39 38.82N–.01 111.72W–.02 1–3 ¶11788835
NEIC III 09 03 20 23.0 38.82N 111.74W 3 3.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.5km az=158.6.
NEIC Event type fe. Felt [III] at Salina. Also felt at Centerfield. After SLC.
ISC III 23 05 43 26.2–1.2 37.42N–.02 113.17W–.03 3–11 52 0-5
NEIC III 23 05 43 26.0 37.41N 113.16W 4 3.2L ¶14269750
ISC Event type fe.
NEIC Event type fe. Felt [II] at Cedar City, Hurricane, Kanarraville and New Harmony. Also felt at Saint George, Springdale and Virgin. After SLC.
ISC III 26 10 30 04.3–1.0 39.41N–.02 111.10W–.02 4–9 98 0-6
NEIC III 26 10 30 04.0 39.41N 111.09W 3 2.6L ¶14269773
ISC Event type se.
NEIC Event type se. After SLC.
ISC III 31 02 36 09.6–1.3 37.67N–.02 110.46W–.02 2–11 70 0-4
NEIC III 31 02 36 10.0 37.66N 110.45W 7 3.0L ¶12084374
ISC Event type se.
NEIC Event type se. After SLC.
ISC IV 02 03 59 22.3–.85 40.58N–.01 111.51W–.02 8–6 107 0-4
ISCJB IV 02 03 59 21.8–.34 40.57N–.01 111.52W–.02 4–2 ¶16505255
NEIC IV 02 03 59 22.0 40.58N 111.51W 8 2.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.9km az=169.8.
NEIC Event type fe. Felt [II] at Salt Lake City. Also felt at Morgan, Park City and Sandy. After SLC.
IDC IV 04 16 36 58.4–388 39.68N 112.64W 0
¶16152376
IDC Error ellipse: s-maj=105.6km s-min=37.9km az=166.0.
IDC IV 04 17 04 07.8–346 39.80N 112.74W 0
¶16152378
IDC Error ellipse: s-maj=68.4km s-min=30.4km az=34.0.
ISC IV 11 10 34 34.4–.83 39.41N–.02 111.04W–.02 17–6 71 0-23
NEIC IV 11 10 34 34.0 39.41N 111.09W 6 3.0L ¶12935036
IDC IV 11 10 34 37.0–1.3 39.49N 110.45W 0 3.3L,3.2
ISC Event type se.
NEIC Event type se. After SLC.
IDC Error ellipse: s-maj=19.1km s-min=12.3km az=124.0.
ISC IV 22 14 57 01.9–.87 39.41N–.03 110.99W–.04 8 27 0-23
ISCJB IV 22 14 57 01.6–.42 39.42N–.04 111.09W–.05 8 2.5b ¶12742300
NEIC IV 22 14 57 01.0 39.41N 111.09W 7 2.6L
IDC IV 22 14 57 02.3–1.4 39.35N 110.66W 0 3.0,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=145.6.
NEIC Event type se. After SLC.
IDC Error ellipse: s-maj=16.3km s-min=10.4km az=135.0.
ISC V 01 19 08 10.2–.85 39.44N–.03 110.84W–.04 8 35 0-23
NEIC V 01 19 08 09.0 39.41N 111.09W 6 2.6L ¶13678189
IDC V 01 19 08 10.3–1.1 39.38N 110.79W 0 3.0,3.0
ISC Event type se.
NEIC Event type se. After SLC.
IDC Error ellipse: s-maj=12.6km s-min=9.1km az=143.0.
ISC VI 03 21 47 01.4–.62 41.77N–.02 112.12W–.02 7–4 4.0b 165 0-93
NEIC VI 03 21 47 01.0 41.80N 112.21W 8 4.0L ¶12895854
IDC VI 03 21 47 01.8–.63 41.78N 112.05W 0 4.7s,4.7
ISC Event type fe.
NEIC Event type fe. Felt [V] at Fielding; [IV] at Garland and Plymouth; [III] at Collinston, Corinne, Deweyville, Mendon, Providence, Smithfield and Tremonton; [II] at Brigham City, Clarkston, Logan and Richmond. Also felt at Cornish, Honeyville, Hyde Park, Magna, Portage, Salt Lake City, South Jordan, Trenton, Wellsville and Willard. Felt [II] at Preston, Idaho. Also felt at Blackfoot, Clifton, Malad City and Weston. After SLC.
IDC Error ellipse: s-maj=18.6km s-min=6.2km az=155.0.

(479) Colorado.

ISC IV 19 13 34 53.7–.73 38.34N–.02 108.93W–.02 10 53 0-5
ISCJB IV 19 13 34 52.6–.32 38.27N–.02 108.90W–.03 10 ¶14413642
NEIC IV 19 13 34 54.0 38.37N 108.98W 2 2.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.4km az=163.6.
NEIC Event type se. After SLC.
ISC IV 30 08 50 34.4–.73 38.27N–.02 108.91W–.02 10 68 0-4
ISCJB IV 30 08 50 34.6–.29 38.25N–.02 108.90W–.02 10 ¶12742676
NEIC IV 30 08 50 34.0 38.26N 108.91W 1 2.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=2.2km az=39.4.
NEIC Event type se. After SLC.

(496) New Mexico.

NEIC V 01 01 34 03.9–.55 36.82N 104.82W 5 3.2W,3.2L
¶12742816
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.9km az=83.0. Moment Tensor Solution. $M_0$9.10000×10^{13}
ISC VI 27 06 44 38.1–.63 36.99N–.03 104.93W–.03 10 48 1-26
IDC VI 27 06 44 38.9–1.3 36.96N 105.00W 0 3.4L,3.3 ¶13306956
NEIC VI 27 06 44 39.9–.72 36.89N 104.91W 5 3.0L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=9.8km az=81.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.6km az=94.0.

(499) Oklahoma.

ISC II 22 09 43 05.6–.61 36.33N–.02 98.27W–.03 1–5 45 2-28
NEIC II 22 09 43 06.8–.44 36.37N 98.09W 5 3.2 ¶11713524
IDC II 22 09 43 06.2–1.6 36.43N 98.19W 0 3.5,3.3
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=5.8km az=149.0. Felt at Fairview, Meno and Ringwood.
IDC Error ellipse: s-maj=25.1km s-min=12.1km az=100.0.
NEIC VI 26 21 23 13.8–.35 36.36N 97.47W 5 3.7
¶13306866

NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.5km az=179.0. Felt [II] at Enid, Garber and Perry. Also felt at Billings, Choctaw, Covington, Crescent, Douglas, Fairmont, Lucien, Marshall, Mulhall, Orlando, Ponca City and Waukomis. Felt at Wichita, Kansas.

(500) Central Texas.

ISC	**V**	**16 16 24 06.3–.57**	**32.82N–.03**	**97.06W–.03**	**10**	**3.4b**	**53**	**0-44**
ISCJB	V	16 16 24 04.3–.34	32.76N–.03	97.06W–.03	10	3.3b		**¶12826797**
NEIC	V	16 16 24 06.6–1.3	32.80N	97.02W	9–10	3.3		
IDC	V	16 16 24 06.6–2.7	32.90N	97.09W	0	3.7,3.7L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=179.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=5.8km az=181.0. Felt [IV] at Fort Worth; [III] at Bedford, Colleyville, Dallas, Euless, Grand Prairie, Grapevine, Hurst, Irving and Roanoke; [II] at Argyle, Arlington, Keller, North Richland Hills and Southlake. Felt widely in the Dallas-Fort Worth area.
IDC Error ellipse: s-maj=40.1km s-min=13.1km az=122.0.

(507) Alabama.

NEIC	**IV**	**21 10 25 42.5**	**32.83N**	**87.10W**	**13**	**3.8,3.3W**	**¶12638904**

NEIC Event type fe. Felt [IV] at Centreville and Leeds; [III] at Brent, Jacksons Gap, McCalla and Randolph; [II] at Alabaster, Alexander City, Auburn, Bessemer, Birmingham, Brierfield, Calera, Chelsea, Clanton, Columbiana, Cullman, Dadeville, Gardendale, Goodwater, Helena, Jemison, Lake View, Maylene, Montevallo, Northport, Opelika, Pelham, Prattville, Shelby, Sylacauga, Thorsby, Tuscaloosa, Valley, West Blocton, Wetumpka and Woodstock. Felt in much of northern and central Alabama from Florence and Huntsville to Selma and from Northport to Phenix City. Felt [II] at Douglasville, Georgia. Also felt at Buford, Cataula, Fortson, Hamilton, LaGrange, Lawrenceville, Marietta and Winston. Felt at Nashville and Smithville, Tennessee. After CERI. Moment Tensor Solution. $M_0$1.30000×10^{14}

(513) Off east coast of United States.

IDC	**III**	**16 00 23 36.4–709**	**31.80N**	**70.77W**	**0**		**¶12703386**

IDC Error ellipse: s-maj=300.6km s-min=50.7km az=82.0.

IDC	**V**	**11 18 14 53.9–680**	**29.02N**	**79.97W**	**0**		**¶16155644**

IDC Error ellipse: s-maj=244.7km s-min=102.2km az=71.0.

(519) Southern Texas.

ISC	**IV**	**11 22 14 20.4–1.3**	**28.89N–.05**	**98.54W–.04**	**10**		**35**	**1-7**
NEIC	IV	11 22 14 20.1–1.8	28.88N	98.53W	5	2.8		**¶14413565**
ISCJB	IV	11 22 14 20.2–.82	28.87N–.05	98.47W–.04	10	2.8		

ISC Event type fe.
NEIC Event type fe. Felt at Jourdanton and Pleasanton.
ISCJB Event type fe.

(522) Northern Mexico.

MEX	**VI**	**14 11 04 06.5–.50**	**25.29N**	**99.33W**	**18–30**	**4.4**	
NEIC	VI	14 11 04 06.5	25.29N	99.33W	18	4.4	**¶14931460**

MEX Error ellipse: s-maj=6.5km s-min=15.2km az=-1.0.
NEIC Event type se. After MEX.

MEX	**VI**	**22 02 08 06.6–3.0**	**25.03N**	**100.26W**	**20–507**	**3.7**	**¶14988976**

MEX Error ellipse: s-maj=24.1km s-min=81.6km az=-1.0.

(523) Central Mexico.

MEX	**I**	**02 13 30 20.5–.96**	**18.87N**	**98.84W**	**5**	**3.7**	**¶14597486**

MEX Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.

MEX	**I**	**17 13 36 07.7–1.2**	**20.38N**	**99.04W**	**12–3**	**3.5**	**¶14597541**

MEX Error ellipse: s-maj=11.7km s-min=13.2km az=-1.0.

MEX	**II**	**04 15 36 53.7–.87**	**18.11N**	**98.52W**	**49–15**	**3.6**	**¶14597634**

MEX Error ellipse: s-maj=4.3km s-min=3.2km az=-1.0.

MEX	**III**	**18 12 11 53.0–.68**	**22.21N**	**103.88W**	**69–14**	**4.1**	**¶14597849**

MEX Error ellipse: s-maj=3.1km s-min=3.5km az=-1.0.

MEX	**III**	**23 02 53 36.5–1.1**	**18.92N**	**97.01W**	**46–20**	**3.9**	**¶14597949**

MEX Error ellipse: s-maj=5.9km s-min=6.0km az=-1.0.

MEX	**III**	**28 16 44 10.5–.37**	**21.32N**	**104.69W**	**20–13**	**3.9**	**¶14597995**

MEX Error ellipse: s-maj=3.7km s-min=4.9km az=-1.0.

MEX	**III**	**28 16 53 55.6–.43**	**21.31N**	**104.79W**	**10–2**	**3.7**	**¶14597996**

MEX Error ellipse: s-maj=4.7km s-min=5.4km az=-1.0.

MEX	**IV**	**12 14 53 05.7–.75**	**18.21N**	**98.86W**	**34–18**	**3.5**	**¶14682802**

MEX Error ellipse: s-maj=3.8km s-min=4.5km az=-1.0.

MEX	**V**	**06 03 28 46.2–.63**	**18.21N**	**97.85W**	**64–7**	**3.7**	**¶14739578**

MEX Error ellipse: s-maj=2.8km s-min=3.6km az=-1.0.

MEX	**V**	**06 05 04 32.4–2.0**	**20.37N**	**99.11W**	**11–11**	**3.5**	**¶14739579**

MEX Error ellipse: s-maj=19.1km s-min=19.9km az=-1.0.

ISC	**V**	**22 19 24 17.4–.21**	**18.16N–.02**	**98.40W–.02**	**60–1**	**5.8b**	**1663**	**0-155**
CASC	V	22 19 24 07.8–.48	19.19N	98.66W	20–999	5.8b		**¶12854197**
SZGRF	V	22 19 24 10.5	16.73N	99.24W	55	5.9b,4.7s		
BGS	V	22 19 24 14.7–1.4	18.72N	98.97W	33	5.8b,4.7s		
ISCJB	V	22 19 24 16.3–.20	18.20N–.02	98.41W–.01	61–1	5.8b,4.7s		
IGIL	V	22 19 24 17.6	18.35N	98.27W	56	5.7b,4.7s		
MOS	V	22 19 24 17.9–.85	18.36N	98.21W	74	6.2b,5.0s		
IDC	V	22 19 24 17.9–.36	18.30N	98.23W	56–2	5.4,5.4		
MEX	V	22 19 24 18.5–.73	18.11N	98.46W	62–6	5.7,5.4		
NEIC	V	22 19 24 18.5	18.11N	98.46W	62	5.8b,5.7		
BJI	V	22 19 24 20.4	18.60N	98.07W	84	5.7b,5.5s		
GCMT	V	22 19 24 22.7–.10	18.22N	98.26W	59–0	5.6W,5.5s		

ISC Event type fe.
CASC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Near coast of Guerrero, Mexico.
BGS Error ellipse: s-maj=248.4km s-min=374.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=30.3.
MOS Error ellipse: s-maj=8.7km s-min=4.4km az=107.5.
IDC Error ellipse: s-maj=10.1km s-min=6.1km az=65.0.
MEX Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0.
NEIC Event type fe. Felt [V] at Metepec; [IV] at Atizapan, Cholula, Cuernavaca, Huixquilucan, Ixtapaluca, Mexico, Puebla, Texcoco, Tlalnepantla and Tultitlan; [III] at Jalapa, Jiutepec, Naucalpan, Tepoztlan and Toluca. Felt in much of central Mexico from Leon and Acapulco to Oaxaca and Veracruz. Depth from synthetics of broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After MEX. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s295.00000°,δ40.00000°,λ-70.00000°. NP2:ϕ_s90.00000°,δ53.00000°,λ-106.00000°. Principal axes: T Plg7.0000°,Azm191.0000°; N Plg0.0000°,Azm0.0000°; P Plg76.0000° ,Azm308.0000° Moment Tensor Solution. s47 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.33 $M_{\theta\theta}$1.94 $M_{\phi\phi}$0.39 $M_{r\theta}$-1.08 $M_{\theta\phi}$-0.33 $M_{\phi r}$-0.66 Best double couple: NP1:ϕ_s294.00000° ,δ35.00000°,λ-65.00000°. NP2:ϕ_s84.00000°,δ59.00000°,λ-106.00000°. Principal axes: T 2.2200,Plg12.0000°,Azm185.0000°; N 0.5400,Plg13.0000°,Azm92.0000° ; P -2.7500,Plg71.0000°,Azm316.0000° $M_0$2.50000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 91, comp=177, per= 50. Moment Tensor Solution. s103,c204; s45,c48; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.93±.05 $M_{\theta\theta}$3.51±.04; $M_{\phi\phi}$-0.57±.04; $M_{r\theta}$-1.48±.04; $M_{\theta\phi}$0.34±.04; $M_{\phi r}$-0.96±.04; Best double couple: NP1:ϕ_s282.00000°,δ34.00000°,λ-63.00000°. NP2:ϕ_s70.00000°,δ60.00000°,λ-107.00000°. Principal axes: T 3.9000,Plg13.0000°,Azm173.0000°; N -0.3800,Plg15.0000°,Azm79.0000° ; P -3.5100,Plg70.0000°,Azm303.0000° $M_0$3.70000×10^{17}

ISC	**V**	**23 08 22 54.5–1.0**	**18.07N–.03**	**98.47W–.03**	**46–17**		**71**	**1-46**
ISCJB	V	23 08 22 53.6–.41	18.06N–.03	98.46W–.03	62–8	3.1b		**¶14647277**
NEIC	V	23 08 22 55.8	18.05N	98.48W	56	4.0		
MEX	V	23 08 22 55.8–.88	18.05N	98.48W	56–10	4.0		
IDC	V	23 08 23 00.2–6.6	20.17N	97.84W	0	3.5,3.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.4km az=135.7.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=2.3km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=146.3km s-min=28.8km az=20.0.

ISC	**V**	**27 02 00 31.1–.79**	**21.99N–.04**	**99.35W–.05**	**10**	**3.2b**	**28**	**2-53**
ISCJB	V	27 02 00 29.5–.46	22.00N–.03	99.36W–.05	10	3.1b		**¶13679715**
MEX	V	27 02 00 33.0–.48	22.01N	99.33W	5–8	4.3		
IDC	V	27 02 00 34.4–4.5	22.69N	98.76W	0	3.6,3.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.6km az=157.0.
MEX Error ellipse: s-maj=3.1km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=118.1km s-min=31.1km az=31.0.

MEX	**VI**	**20 08 56 16.2–.30**	**24.89N**	**100.26W**	**20**	**3.5**	**¶14988935**

MEX Error ellipse: s-maj=2.1km s-min=5.4km az=-1.0.

MEX	**VI**	**20 08 57 50.8–.30**	**24.88N**	**100.26W**	**20**	**3.7**	**¶14988936**

MEX Error ellipse: s-maj=2.1km s-min=5.4km az=-1.0.

(524) Jalisco.

MEX	**I**	**15 08 38 18.7–1.0**	**19.04N**	**103.90W**	**10**	**3.5**	**¶14597530**

MEX Error ellipse: s-maj=7.4km s-min=4.8km az=-1.0.

MEX	**V**	**25 10 25 42.7–1.2**	**21.57N**	**101.25W**	**11–27**	**4.0**	**¶14739880**

MEX Error ellipse: s-maj=8.1km s-min=23.8km az=-1.0.

(525) Veracruz.

ISC	**IV**	**29 08 50 59.1–1.7**	**18.26N–.06**	**95.13W–.05**	**23–15**	**3.6s,3.6b**	**192**	**1-88**
IDC	IV	29 08 50 56.2–.87	18.26N	95.13W	0	3.9,3.7		**¶12936439**
ISCJB	IV	29 08 50 58.7–.98	18.27N–.02	95.15W–.04	22–8	3.5b,3.3s		
NEIC	IV	29 08 50 59.8	18.42N	95.18W	12	4.2,3.3s		
MEX	IV	29 08 50 59.8–.62	18.42N	95.18W	12–20	4.2,3.3s		

ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=13.1km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.6km az=5.2.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=15.5km s-min=8.5km az=-1.0.

MEX	**V**	**18 17 45 03.8–.41**	**21.75N**	**98.45W**	**5**	**4.2**	**¶14739834**

MEX Error ellipse: s-maj=2.5km s-min=6.6km az=-1.0.

(527) Bay of Campeche.

MEX	**I**	**27 07 23 33.1–.98**	**18.11N**	**93.45W**	**79–31**	**4.2**	
NEIC	I	27 07 23 33.1	18.11N	93.45W	79	4.2	**¶13989256**

MEX Error ellipse: s-maj=15.9km s-min=5.2km az=-1.0.
NEIC Event type se. After MEX.

MEX	**IV**	**24 09 01 26.0–.72**	**18.17N**	**94.55W**	**49–10**	**4.1**	**¶14682921**

MEX Error ellipse: s-maj=5.8km s-min=3.3km az=-1.0.

MEX	**V**	**26 03 56 02.6–.57**	**18.20N**	**94.48W**	**80–54**	**4.0**	**¶14739881**

MEX Error ellipse: s-maj=26.6km s-min=4.5km az=-1.0.

MEX	**VI**	**01 11 21 26.0–.39**	**18.35N**	**93.03W**	**132–8**	**4.0**	
NEIC	VI	01 11 21 26.0	18.35N	93.03W	132	4.0	**¶14931184**

MEX Error ellipse: s-maj=3.3km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.

SEISMIC REGION 35.
Eastern South America.

(528) Brazil.

ISC	**VI**	**15 22 15 45.0–.31**	**18.57S–.05**	**55.85W–.06**	**10**	**4.8b,4.6s**	**205**	**6-162**
LDG	VI	15 22 15 42.3–.29	18.63S	56.17W	10	4.8b,3.5s		**¶13111661**
ISCJB	VI	15 22 15 43.9–.24	18.48S–.05	55.80W–.04	10	4.7b,4.4s		
BJI	VI	15 22 15 43.1	18.98S	56.33W	10	5.2s,5.2b		
IDC	VI	15 22 15 43.5–.55	18.44S	55.75W	0	4.7,4.7L		
NEIC	VI	15 22 15 45.2–.18	18.51S	55.80W	10	4.9b,4.7L		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=33.1km s-min=7.7km az=154.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=5.7km az=166.8.
IDC Error ellipse: s-maj=17.4km s-min=12.1km az=8.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.4km az=194.0. Felt [IV] at Coxim and [III] at Campo Grande. Also felt at Corumba, Cuiaba, Goiania, Rio Verde de Mato Grosso and Rondonopolis.

SEISMIC REGION 36.
Northwestern Europe.

(533) United Kingdom.

ISC	**I**	**15 05 32 29.5–2.2**	**60.3N–.10**	**1.24W–.09**	**27–8**		**50**	**0-47**
BER	I	15 05 32 27.1–3.3	60.42N	1.53W	10	3.3L,2.9		**¶11672751**
CSEM	I	15 05 32 28.2–.42	60.33N	1.33W	30	3.3L,2.9		
NEIC	I	15 05 32 29.7	60.27N	1.28W	29	3.3L,2.9		
BGS	I	15 05 32 29.7–.79	60.27N	1.28W	29–4	3.3L,2.9		
IDC	I	15 05 32 33.9–2.0	61.00N	0.37W	0	3.4,3.3L		

ISC Event type fe.
BER Error ellipse: s-maj=11.0km s-min=13.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=15.3km s-min=4.5km az=149.0.
NEIC Event type fe. Felt in the Shetland Islands. After BGS.
BGS Error ellipse: s-maj=11.3km s-min=19.8km az=-1.0.
IDC Error ellipse: s-maj=43.4km s-min=17.6km az=12.0.

ISC	**III**	**03 14 35 54.5–.82**	**51.05N–.02**	**1.16E–.01**	**7–6**		**339**	**0-8**
UCC	III	03 14 35 51.1	51.10N	1.17E	5	2.8L		**¶11745027**
CSEM	III	03 14 35 54.9–.08	51.06N	1.14E	2	3.6L		
ISCJB	III	03 14 35 54.0–.40	50.93N–.01	1.14E–.02	4–2	3.6L		
BGS	III	03 14 35 55.9	51.12N	1.18E	4	3.0L		
NEIC	III	03 14 35 55.9	51.12N	1.18E	4	3.5L,3.0L		
LDG	III	03 14 35 56.8–.08	51.11N	1.13E	5	3.7,3.6L		
STR	III	03 14 35 56.4–.72	51.11N	1.22E	5	3.4L,3.6L		

ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=40.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.1km az=30.0.
NEIC Event type fe. Felt [III] at Folkestone. Felt at Ashford, Canterbury, London and Ramsgate. After BGS.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=27.0.
STR Event type ke.

BGS	**IV**	**22 10 00 15.5–1.1**	**50.08N**	**0.82E**	**6**	**2.3L**	**¶12742297**

BGS Error ellipse: s-maj=4.9km s-min=11.9km az=-1.0.

BGS	**IV**	**27 14 02 07.6–1.1**	**50.04N**	**0.91E**	**5**	**2.3L**	**¶12742322**

BGS Error ellipse: s-maj=7.5km s-min=17.5km az=-1.0.

BGS	**IV**	**28 08 17 28.7–.79**	**50.08N**	**0.68E**	**6**	**2.2L**	**¶12742463**

BGS Error ellipse: s-maj=5.7km s-min=11.5km az=-1.0.

ISC	**IV**	**28 10 22 06.9–.38**	**54.10N–.01**	**2.78W–.02**	**11–2**		**389**	**1-14**
CSEM	IV	28 10 22 07.1–.11	54.11N	2.82W	2	4.0L		**¶12742474**
LDG	IV	28 10 22 08.8–.08	54.15N	3.00W	9	4.0L		
BGS	IV	28 10 22 09.5–1.3	54.17N	3.02W	9–4	3.7L		
NEIC	IV	28 10 22 09.5	54.17N	3.02W	9	3.7L		
BER	IV	28 10 22 10.4–2.7	54.16N	2.95W	13–8	3.7L,3.2L		

ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=67.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.6km az=70.0.
BGS Error ellipse: s-maj=2.0km s-min=6.4km az=-1.0.
NEIC Event type fe. Felt [V] in Cumbria and Lancashire. After BGS.
BER Error ellipse: s-maj=4.3km s-min=10.5km az=-1.0.

BGS	**IV**	**29 09 14 29.8–.20**	**50.06N**	**0.72E**	**8**	**1.9L**	**¶12746759**

BGS Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0.

BGS IV 29 14 02 01.5–.73 50.06N 0.69E 6 2.4L
¶12746760

BGS Error ellipse: s-maj=5.6km s-min=11.6km az=-1.0.
ISC VI 05 19 42 06.4–.76 51.57N–.02 3.58W–.02 13–6 198 1-9
CSEM VI 05 19 42 05.7–.14 51.55N 3.55W 5 3.2L **¶12938951**
BGS VI 05 19 42 07.1–1.2 51.62N 3.65W 6–6 2.9L
LDG VI 05 19 42 07.3–.26 51.58N 3.59W 6 3.5,3.2L
NEIC VI 05 19 42 07.1 51.64N 3.65W 8 3.0L,3.2L
ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=74.0.
BGS Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=123.0.
NEIC Event type fe. Felt [III] at Bridgend and Maesteg. Also felt at Kenfig, North Cornelly, Port Talbot and other parts of South Wales. After BGS.
ISC VI 30 01 47 19.4–1.0 50.58N–.01 1.37W–.03 16–9 125 1-6
CSEM VI 30 01 47 18.9–.17 50.54N 1.39W 5 2.6L **¶13324770**
BGS VI 30 01 47 20.8–1.2 50.59N 1.32W 5–8 1.5L
LDG VI 30 01 47 20.1–.09 50.58N 1.51W 5 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=82.0.
BGS Error ellipse: s-maj=1.9km s-min=7.2km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=82.0.

(535) Southern Norway.

ISC IV 24 18 37 08.9–1.0 60.21N–.02 10.81E–.02 12–8 125 1-11
ISCJB IV 24 18 37 09.5–.43 60.22N–.02 10.71E–.05 23–5 **¶12936065**
CSEM IV 24 18 37 09.1–.11 60.24N 10.72E 15 2.2L
HEL IV 24 18 37 09.4–.20 60.21N 10.68E 13–1 2.2L,2.0L
UPP IV 24 18 37 10.6 60.16N 10.78E 23 1.5L,2.0L
BER IV 24 18 37 10.7–2.9 60.21N 10.75E 15–10 2.4,2.2L
NAO IV 24 18 37 10.0–1.8 60.27N 10.80E 6–9 2.2L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=36.4.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=111.0.
HEL Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0.
UPP Event type ke.
BER Error ellipse: s-maj=5.1km s-min=8.0km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.

(536) Sweden.

IDC II 20 00 19 35.0–1.1 67.89N 20.52E 0 3.0,2.9
¶16191966

IDC Error ellipse: s-maj=16.6km s-min=6.8km az=124.0.
UPP III 31 01 45 23.1 56.69N 12.24E 15 0.4L
CSEM III 31 01 45 23.1 56.69N 12.24E 15 0.4L **¶15996899**
UPP Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After UPP.
ISC IV 16 09 59 06.9–.91 56.52N–.02 13.37E–.02 12–7 134 0-42
ISCJB IV 16 09 59 06.2–.54 56.52N–.02 13.39E–.04 9–4 2.8b **¶13438676**
CSEM IV 16 09 59 06.5–.09 56.50N 13.44E 2 2.8L
HEL IV 16 09 59 07.7–.10 56.51N 13.43E 10–0 3.1L,2.8L
IDC IV 16 09 59 07.8–.92 56.53N 13.21E 0 3.4,3.3
UPP IV 16 09 59 07.4 56.51N 13.42E 11 2.8L,3.3
BER IV 16 09 59 08.4–2.5 56.51N 13.39E 12–38 3.2,2.8L
NAO IV 16 09 59 12.8–3.4 56.80N 13.50E 9–15 2.7L,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=32.3.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=106.0.
HEL Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=17.5km s-min=8.1km az=87.0.
UPP Event type ke.
BER Error ellipse: s-maj=17.8km s-min=18.9km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
ISC VI 10 14 47 25.1–.80 63.84N–.02 20.53E–.02 25–5 140 0-14
NAO VI 10 14 47 22.1–.70 63.78N 20.63E 2.5L **¶13196034**
ISCJB VI 10 14 47 23.8–1.3 63.82N–.02 20.52E–.07 26–14 2.5L
BER VI 10 14 47 23.3–4.0 63.78N 20.51E 0–18 2.7L,2.5L
CSEM VI 10 14 47 24.5–.10 63.81N 20.52E 19–0 2.7L,2.5L
HEL VI 10 14 47 24.0–.20 63.80N 20.49E 10 2.7L,2.7L
UPP VI 10 14 47 25.1 63.82N 20.45E 25 2.0L,2.7L
IDC VI 10 14 47 26.9–.75 63.95N 22.37E 0 3.2L,3.0
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=21.2.
BER Error ellipse: s-maj=7.1km s-min=19.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=115.0.
HEL Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
UPP Event type ke.
IDC Error ellipse: s-maj=9.5km s-min=7.2km az=100.0.

(538) France.

ISC I 23 17 59 58.2–.78 44.63N–.02 6.79E–.02 13–5 128 0-4
ISCJB I 23 17 59 58.6–.23 44.64N–.02 6.78E–.03 23–2 **¶11660275**
GEN I 23 17 59 58.8 44.62N 6.77E 8 2.0L
CSEM I 23 17 59 58.2–.10 44.64N 6.77E 5 2.2L
ROM I 23 17 59 59.0–.19 44.63N 6.86E 9–0 2.1L,1.9
LDG I 23 17 59 59.2–.03 44.63N 6.78E 2 2.5,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=148.4.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=50.0.
ROM Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=87.0.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=67.0.
ISC II 25 17 34 28.8–1.1 45.93N–.01 1.18W–.02 7–8 281 1-6
CSEM II 25 17 34 28.7–.10 45.91N 1.17W 2 3.2L **¶11752931**
LDG II 25 17 34 30.6–.05 45.91N 1.23W 3 3.4,3.3L
STR II 25 17 34 32.7–.23 45.76N 0.99W 5 3.5L,3.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=106.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=110.0.
STR Event type ke.
BGS III 20 07 11 04.7–1.3 49.50N 0.58W 6–19 2.3L
¶12089621

BGS Error ellipse: s-maj=5.8km s-min=8.4km az=-1.0.
ISC III 21 11 10 00.9–.78 47.93N–.02 6.50E–.01 20–4 177 0-5
ISCJB III 21 11 09 59.1–.23 47.94N–.02 6.45E–.02 15–2 **¶12053737**
BGR III 21 11 10 00.8–.96 47.96N 6.48E 10 2.1L
CSEM III 21 11 10 00.2–.09 47.94N 6.49E 19 2.5L
STR III 21 11 10 01.0–.18 47.97N 6.55E 10 2.4L
LDG III 21 11 10 01.1–.06 47.95N 6.50E 15 2.8,2.7L
LEDBW III 21 11 10 01.4–.10 47.95N–.02 6.530E–.01 15 2.2L,2.7L
ISC Event type ke.
ISCJB Event type ke.
BGR Event type ke.
CSEM Event type ke.
STR Event type ke.
LDG Event type ke.
LDG III 28 15 46 07.4–.04 44.69N 6.80E 3 2.3L,2.1
CSEM III 28 15 46 06.8–.09 44.69N 6.83E 10 2.2L,2.1 **¶12084816**
STR III 28 15 46 07.3–.27 44.68N 6.82E 5 2.1L,2.1
GEN III 28 15 46 07.3 44.66N 6.84E 10 1.5L,2.1
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=83.0.
STR Event type ke.
ISC IV 02 08 54 14.6–.34 47.219N–.01 6.438E–.01 17–2 334 0-7
ISCJB IV 02 08 54 13.3–.19 47.212N–.01 6.42E–.01 7–2 **¶12084906**
CSEM IV 02 08 54 14.7–.06 47.21N 6.45E 12 3.2L
ZUR IV 02 08 54 15.1 47.23N 6.47E 7–1 2.7L
LDG IV 02 08 54 15.6–.04 47.20N 6.45E 10 3.3,3.1L
STR IV 02 08 54 15.9–.19 47.24N 6.50E 10 2.9L,3.1L
BGR IV 02 08 54 16.2–.74 47.24N 6.50E 10 2.6L,3.1L
GEN IV 02 08 54 19.5 46.83N 6.30E 0 2.3L,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=41.4.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=128.0.
ZUR Event type ke.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=117.0.
STR Event type ke.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=36.0.
BGS IV 16 18 48 01.0–.76 49.55N 0.87W 5 2.3L
¶12742264

BGS Error ellipse: s-maj=4.4km s-min=7.3km az=-1.0.
BGS IV 20 14 07 38.6–.58 49.59N 0.96W 4 2.2L
¶12742286

BGS Error ellipse: s-maj=4.3km s-min=9.4km az=-1.0.
ISC IV 26 18 27 19.9–.81 45.98N–.01 6.93E–.01 12–5 233 0-4
CSEM IV 26 18 27 18.9–.06 45.98N 6.89E 8 2.7L **¶12757350**
LDG IV 26 18 27 19.7–.05 45.97N 6.94E 2 2.8,2.7L
VIE IV 26 18 27 19.8–.34 45.92N 7.06E 10 2.7L,2.7L
ROM IV 26 18 27 20.4–.32 45.95N 7.03E 10–1 2.2,2.1L
ZUR IV 26 18 27 20.0 46.00N 6.96E 8–1 2.2L,2.1L
GEN IV 26 18 27 20.1 45.97N 6.99E 8 2.1L,2.1L
STR IV 26 18 27 20.7–.41 46.05N 6.87E 5 2.5L,2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=83.0.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=115.0.
VIE Error ellipse: s-maj=5.2km s-min=1.2km az=129.0. 20 km S of Martigny .
ROM Event type ke. Error ellipse: s-maj=4.3km s-min=1.6km az=121.0.
ZUR Event type ke.
STR Event type ke.
ISC V 03 06 13 54.4–.95 44.21N–.02 6.90E–.02 19–2 88 0-4
CSEM V 03 06 13 53.9–.15 44.22N 6.83E 5 2.4L **¶12793938**
LDG V 03 06 13 54.8–.06 44.21N 6.87E 3 2.5L,2.4
ISCJB V 03 06 13 54.6–.29 44.21N–.02 6.90E–.03 21–4 2.5L,2.4
GEN V 03 06 13 55.9 44.24N 6.95E 13 1.9L,2.4
STR V 03 06 13 55.0–.13 44.22N 6.89E 5 2.3L,2.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=67.0.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=167.3.
STR Event type ke.
ISC V 05 05 21 31.7–.82 48.12N–.02 6.59E–.01 17–6 88 0-3
STR V 05 05 21 31.5–.18 48.09N 6.59E 10 2.3L **¶12750589**
LDG V 05 05 21 31.8–.05 48.10N 6.59E 16 2.6L,2.4
BGR V 05 05 21 31.4–2.0 48.17N 6.53E 10 1.9L,2.4
CSEM V 05 05 21 31.1–.10 48.09N 6.56E 15 2.2L,2.4
ISC Event type ke.
STR Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=175.0.
BGR Event type ke. Error ellipse: s-maj=20.0km s-min=10.0km az=65.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=173.0.
ISC VI 18 23 46 47.1–.89 47.94N–.02 6.40E–.01 18–3 138 0-5
CSEM VI 18 23 46 47.6–.10 47.93N 6.42E 17–1 2.4L **¶13197421**
ISCJB VI 18 23 46 48.3–.34 47.92N–.02 6.41E–.03 17–4 2.4L
STR VI 18 23 46 48.3–.19 47.97N 6.46E 10 2.5L
LDG VI 18 23 46 48.5–.07 47.94N 6.43E 12 2.8,2.5L
BGR VI 18 23 46 49.0–1.6 48.00N 6.44E 10 2.0L,2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=23.8.
STR Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=160.0.
BGR Event type ke. Error ellipse: s-maj=14.5km s-min=6.7km az=39.0.
ISC VI 20 10 14 33.5–.78 43.05N–.02 0.19E–.01 10–5 127 0-5
STR VI 20 10 14 32.5–.17 43.01N 0.17E 5 2.8L **¶13256352**
CSEM VI 20 10 14 32.2–.10 43.06N 0.22E 5 2.7L
MDD VI 20 10 14 33.5–.21 43.01N 0.19E 0 2.1
LDG VI 20 10 14 33.3–.08 43.02N 0.21E 2 2.8L,2.5
ISC Event type ke.
STR Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=168.0.
MDD Error ellipse: s-maj=2.3km s-min=1.4km az=10.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=158.0.
ISC VI 20 21 44 53.1–.80 44.60N–.01 6.74E–.02 10–5 133 0-8
ISCJB VI 20 21 44 52.8–.25 44.60N–.01 6.74E–.02 10–2 **¶13256395**
ROM VI 20 21 44 53.1–.27 44.62N 6.78E 10 2.3,2.1L
CSEM VI 20 21 44 53.4–.10 44.60N 6.76E 10 2.5L,2.1L
STR VI 20 21 44 54.7–.41 44.55N 6.73E 5 2.4L,2.1L
LDG VI 20 21 44 54.4–.12 44.58N 6.76E 2 2.5L,2.4
GEN VI 20 21 44 54.3 44.63N 6.85E 0 1.9L,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=150.6.
ROM Event type ke. Error ellipse: s-maj=3.2km s-min=1.4km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=56.0.
STR Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=1.8km az=54.0.
ISC VI 29 10 40 34.8–1.0 47.25N–.01 0.76W–.02 15–9 281 1-6
CSEM VI 29 10 40 34.2–.11 47.24N 0.77W 5 3.6L **¶13324726**
STR VI 29 10 40 35.6–.21 47.22N 0.79W 5 3.6L
LDG VI 29 10 40 35.8–.06 47.26N 0.81W 2 3.6L,3.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=47.0.
STR Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=123.0.

(540) The Netherlands.

ISC IV 23 17 03 54.3–.90 51.13N–.02 5.97E–.01 19–2 198 0-6
CSEM IV 23 17 03 54.9–.11 51.14N 5.99E 15 2.6L **¶12757333**
BGR IV 23 17 03 55.7–.36 51.15N 6.03E 10 2.6L
UCC IV 23 17 03 55.6–.41 51.13N 5.99E 16–1 2.1L
LDG IV 23 17 03 55.4–.07 51.16N 5.95E 5 2.9L
ISCJB IV 23 17 03 55.1–.28 51.14N–.02 5.94E–.03 22–2 2.9L
BNS IV 23 17 03 56.3–.98 51.15N 6.03E 11–4 2.2L
STR IV 23 17 04 01.5–1.4 50.78N 5.94E 10 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=144.0.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=104.0.
UCC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=148.9.
BNS Event type ke.
STR Event type ke.

(541) Belgium.

ISC I 15 12 02 23.4–.91 50.59N–.03 4.54E–.03 13–9 75 0-4
CSEM I 15 12 02 23.8–.28 50.59N 4.51E 5 2.6L **¶11659123**
LDG I 15 12 02 24.5–.08 50.63N 4.58E 2 2.8,2.7L
UCC I 15 12 02 24.5–.34 50.63N 4.58E 5–2 1.9L,2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.6km az=135.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=178.0.
UCC Event type ke.
ISC III 03 03 23 31.2–.54 50.60N–.01 4.58E–.01 14–3 299 0-8
ISCJB III 03 03 23 31.1–.26 50.51N–.01 4.56E–.02 8–2 **¶11738998**
CSEM III 03 03 23 31.9–.11 50.60N 4.56E 5 3.4L
UCC III 03 03 23 32.6–.30 50.63N 4.57E 7–0 2.8L
LDG III 03 03 23 32.8–.10 50.63N 4.59E 5 3.6,3.3L
BGR III 03 03 23 33.3–.70 50.63N 4.64E 10 3.0L,3.3L
PRU III 03 03 23 34.7 50.32N 4.70E 0 3.0L,3.3L
BNS III 03 03 23 34.4–1.2 50.70N 4.66E 5 2.9L,3.3L
STR III 03 03 23 38.1–.34 50.30N 4.84E 5 3.2L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=156.2.

CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=153.0.
UCC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=169.0.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=83.0.
BNS Event type ke.
STR Event type ke.

ISC	**III**	**26 19 42 54.6–.97**	**50.65N–.02**	**4.54E–.02**	**18–3**		**169**	**0-7**
ISCJB	III	26 19 42 54.1–.35	50.46N–.02	4.47E–.02	11–2			**¶12084769**
CSEM	III	26 19 42 54.6–.14	50.57N	4.55E	10	2.9L		
LDG	III	26 19 42 55.3–.06	50.63N	4.60E	6	3.3,2.9L		
STR	III	26 19 42 55.3–.33	50.59N	4.67E	5	2.5L,2.9L		
UCC	III	26 19 42 55.2–.26	50.63N	4.57E	7–0	2.3L,1.3L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=161.9.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=168.0.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=158.0.
STR Event type ke.
UCC Event type ke.

(543) Germany.

ISC	**I**	**04 15 30 28.5–.49**	**47.198N–.01**	**9.301E–.01**	**0–3**	**3.8b**	**1189**	**0-76**
MOS	I	04 15 30 28.8–1.1	47.25N	9.31E	11	4.0b		**¶11528261**
ISCJB	I	04 15 30 29.1–.18	47.215N–.01	9.30E–.01	6–1	3.8b		
IDC	I	04 15 30 29.9–1.2	47.21N	9.35E	0	3.7b,3.7L		
GEN	I	04 15 30 30.4	47.28N	9.49E	1	4.1L,3.7L		
LEDBW	I	04 15 30 30.4–.16	47.161N–.01	9.389E–.01	7–3	4.4L,3.7L		
IPEC	I	04 15 30 30.8–.09	47.24N	9.32E	11–1	4.3L,3.7L		
LDG	I	04 15 30 30.0–.06	47.24N	9.37E	3	4.5L,4.2		
CSEM	I	04 15 30 30.3–.06	47.23N	9.30E	2	4.7L,3.8b		
ZUR	I	04 15 30 30.1	47.18N	9.36E	4–0	4.1L,3.8b		
PRU	I	04 15 30 30.4	47.30N	9.32E	0	4.1L,3.8b		
NEIC	I	04 15 30 30.0	47.18N	9.36E	3	4.5L,4.3L		
VIE	I	04 15 30 31.3–.53	47.27N	9.39E	9–1	4.3L,3.9b		
BNS	I	04 15 30 32.0–.27	47.19N	9.45E	10	4.1L,3.9b		
BGR	I	04 15 30 32.5–.39	47.27N	9.41E	10	4.4L,3.9b		

ISC Event type ke.
MOS Error ellipse: s-maj=3.9km s-min=3.0km az=50.5.
ISCJB Event type fe. Error ellipse: s-maj=1.4km s-min=1.2km az=1.5.
IDC Error ellipse: s-maj=13.7km s-min=8.2km az=85.0.
LEDBW Error ellipse: s-maj=3.2km s-min=2.6km az=148.0.
IPEC Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=145.0.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=5.0.
ZUR Event type ke.
NEIC Event type fe. Felt in Voralberg, Austria. After ZUR.
VIE Event type fe. Error ellipse: s-maj=3.8km s-min=2.4km az=48.0. 16 km S of St Gallen . felt 4-5 ems98 in Vorarlberg.
BNS Event type ke.
BGR Event type ke. Error ellipse: s-maj=7.8km s-min=3.3km az=31.0.

ISC	**I**	**04 15 48 46.7–.83**	**47.19N–.01**	**9.29E–.01**	**9–6**		**413**	**0-8**
GEN	I	04 15 48 45.3	47.35N	9.46E	0	3.0L		**¶11528263**
ZUR	I	04 15 48 47.2	47.18N	9.37E	4–1	3.1L		
CSEM	I	04 15 48 47.3–.10	47.18N	9.34E	10	3.1L		
LDG	I	04 15 48 47.4–.08	47.21N	9.41E	4	3.5,3.3L		
LEDBW	I	04 15 48 47.6–.20	47.150N–.01	9.39E–.02	10	3.2L,3.3L		
IPEC	I	04 15 48 48.3–.08	47.19N	9.37E	4–0	2.8L,3.3L		
VIE	I	04 15 48 48.9–.55	47.14N	9.45E	7–2	3.2L,2.8b		
PRU	I	04 15 48 49.0	47.31N	9.40E	7	3.2L,2.8b		
BGR	I	04 15 48 49.9–.41	47.25N	9.43E	10	3.1L,2.8b		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=10.0.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=155.0.
LEDBW Error ellipse: s-maj=8.0km s-min=4.0km az=68.0.
IPEC Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=149.0.
VIE Event type fe. Error ellipse: s-maj=3.4km s-min=2.5km az=51.0. 6 km W of Vaduz .
BGR Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=30.0.

ZUR	**I**	**11 06 07 04.8**	**47.43N**	**9.21E**	**11–2**	**1.2L**		
CSEM	I	11 06 07 04.9	47.43N	9.22E	9	1.2L		**¶14358112**

ZUR Event type ke.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ZUR.

ISC	**I**	**17 07 09 57.9–.79**	**47.17N–.01**	**9.513E–.01**	**9–5**		**478**	**0-7**
CSEM	I	17 07 09 57.8–.08	47.17N	9.54E	5	3.2L		**¶11596159**
GEN	I	17 07 09 57.3	47.51N	9.66E	28	2.9L		
VIE	I	17 07 09 57.4–.16	47.15N	9.52E	11–1	3.4L,2.4b		
ZUR	I	17 07 09 57.8	47.14N	9.53E	5–0	3.0L,2.4b		
ISCJB	I	17 07 09 57.1–.16	47.153N–.01	9.53E–.01	8–1	3.0L,2.4b		
PRU	I	17 07 09 58.5	47.38N	9.48E	3	3.0L,2.4b		
LEDBW	I	17 07 09 58.0–.24	47.10N–.01	9.55E–.01	5	3.1L,2.4b		
LDG	I	17 07 09 58.0–.10	47.29N	9.58E	5	3.0L,2.4b		
BGR	I	17 07 09 59.9–.48	47.23N	9.49E	10	3.0L,2.4b		
ROM	I	17 07 09 59.4–.43	47.02N	9.52E	4–3	2.7,2.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=14.0.
VIE Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=120.0. 2 km NNW of Vaduz . felt 4 ems98 in Vorarlberg.
ZUR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.4km az=37.6.
LEDBW Error ellipse: s-maj=5.4km s-min=3.2km az=122.0.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=17.0.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=5.6km az=31.0.
ROM Event type ke. Error ellipse: s-maj=4.9km s-min=2.2km az=7.0.

ZUR	**I**	**27 17 40 51.7**	**47.03N**	**9.47E**	**-0–2**	**1.1L**		
VIE	I	27 17 40 52.9–.82	47.32N	9.36E	8	1.8L		**¶14358570**
CSEM	I	27 17 40 52.2–.29	47.02N	9.42E	2	2.0L		

VIE Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.7km az=157.0.

ISC	**II**	**02 15 42 52.8–.82**	**47.13N–.01**	**9.49E–.01**	**14–6**		**309**	**0-8**
ISCJB	II	02 15 42 51.9–.20	47.12N–.01	9.49E–.01	10–1			**¶14368912**
GEN	II	02 15 42 51.8	47.19N	9.50E	0	2.6L		
VIE	II	02 15 42 52.2–.47	47.12N	9.48E	8	3.1L,2.2b		
CSEM	II	02 15 42 52.7–.10	47.12N	9.48E	10	3.0L,2.2b		
ZUR	II	02 15 42 52.5	47.15N	9.53E	-1–2	2.8L,2.2b		
BGR	II	02 15 42 53.8–.58	47.16N	9.53E	10	2.9L,2.2b		
ROM	II	02 15 42 53.9–1.6	47.04N	9.27E	5	2.4,2.1L		
LEDBW	II	02 15 42 53.9–.19	47.16N–.01	9.555E–.01	10–2	3.0L,2.1L		
LDG	II	02 15 42 53.4–.08	47.13N	9.55E	2	3.0L,3.0		
STR	II	02 15 42 54.8–.47	47.16N	9.43E	5	3.0L,3.0		
PRU	II	02 15 42 56.4	47.31N	9.70E	10	3.0L,3.0		

ISC Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.7km az=174.1.
VIE Event type fe. Error ellipse: s-maj=3.1km s-min=1.9km az=58.0. 4 km WSW of Vaduz . felt 3-4 ems98 in Vorarlberg.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=174.0.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=26.0.
ROM Event type ke. Error ellipse: s-maj=18.5km s-min=8.1km az=142.0.
LEDBW Error ellipse: s-maj=4.4km s-min=2.4km az=176.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=84.0.
STR Event type ke.

ISC	**II**	**02 20 55 22.5–1.0**	**48.09N–.02**	**11.71E–.02**	**8–9**		**72**	**0-4**
ISCJB	II	02 20 55 21.1–.37	48.11N–.02	11.72E–.03	4–5			**¶11667235**
VIE	II	02 20 55 21.9–.15	48.08N	11.71E	5	2.3L,1.8b		
BGR	II	02 20 55 22.5–.37	48.09N	11.70E	5	2.1L,1.8b		
CSEM	II	02 20 55 22.0–.14	48.08N	11.70E	10	2.6L,1.8b		
PRU	II	02 20 55 23.5	48.12N	11.73E	0	2.6L,1.8b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=19.4.
VIE Error ellipse: s-maj=1.3km s-min=0.9km az=128.0. #STATIONS KBA 12 km SE of Munich .
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=119.0.

ISC	**II**	**27 02 23 59.5–1.8**	**51.6N–.20**	**6.3E–.30**	**8**		**7**	**0-2**
								¶16409040

ISC Event type ke.

ISC	**II**	**28 01 26 27.2–.96**	**50.87N–.01**	**6.17E–.02**	**16–9**		**123**	**0-4**
ISCJB	II	28 01 26 27.8–.26	50.87N–.01	6.23E–.03	15–2			**¶11752949**
CSEM	II	28 01 26 28.1–.09	50.87N	6.20E	17–1	2.6L		
UCC	II	28 01 26 28.8–.25	50.87N	6.18E	16–0	1.7L		
BGR	II	28 01 26 28.5–.25	50.87N	6.24E	10	2.0L		
BNS	II	28 01 26 29.1–.84	50.87N	6.23E	12–4	1.8L		
LDG	II	28 01 26 29.2–.12	50.84N	6.15E	17	2.7,2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=11.6.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=103.0.
UCC Event type ke.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=111.0.
BNS Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.2km az=22.0.

ISC	**III**	**11 09 43 36.4–.78**	**50.32N–.02**	**7.46E–.02**	**17–5**		**164**	**0-7**
ISCJB	III	11 09 43 34.6–.27	50.27N–.01	7.52E–.02	13–2			**¶11799074**
CSEM	III	11 09 43 35.8–.12	50.29N	7.49E	15	3.0L		
BGR	III	11 09 43 36.3–.28	50.32N	7.50E	10	2.4L		
BNS	III	11 09 43 36.9–1.3	50.35N	7.46E	3–13	2.1L		
LDG	III	11 09 43 36.8–.07	50.32N	7.47E	10–0	3.0L,3.0		
STR	III	11 09 43 37.5–.85	50.21N	7.52E	10	2.4L,3.0		
UCC	III	11 09 43 37.6–.67	50.29N	7.41E	16–4	1.9L,3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=162.1.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=79.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=5.0.
BNS Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=65.0.
STR Event type ke.
UCC Event type ke.

ISC	**III**	**22 19 58 37.7–1.1**	**50.80N–.03**	**6.83E–.03**	**17–8**		**72**	**1-4**
CSEM	III	22 19 58 37.7–.21	50.79N	6.82E	15	2.4L		**¶12058413**
LDG	III	22 19 58 38.5–.07	50.84N	6.76E	10–0	2.8,2.4L		
UCC	III	22 19 58 38.5–.38	50.85N	6.75E	15–1	1.4L,2.4L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=75.0.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=150.0.
UCC Event type ke.

ISC	**IV**	**25 18 49 55.4–1.0**	**48.10N–.03**	**8.01E–.03**	**15–8**		**80**	**0-3**
CSEM	IV	25 18 49 55.7–.13	48.10N	7.99E	15	2.0L		**¶12936130**
STR	IV	25 18 49 55.9–.25	48.08N	8.04E	10	1.8L		
ZUR	IV	25 18 49 56.4	48.08N	8.06E	10–0	1.7L		
LDG	IV	25 18 49 56.4–.06	48.10N	8.02E	10	2.0,1.9L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=51.0.
STR Event type ke.
ZUR Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=166.0.

UCC	**V**	**12 06 36 52.8–.39**	**50.82N**	**6.64E**	**15–3**	**1.7L**		
CSEM	V	12 06 36 50.2–.61	50.92N	6.75E	15	1.7L		**¶16374725**

CSEM Event type ke. Error ellipse: s-maj=17.6km s-min=9.1km az=174.0.

ISC	**V**	**20 00 46 00.1–.94**	**49.20N–.03**	**8.11E–.04**	**17–6**		**55**	**0-3**
ISCJB	V	20 00 45 59.5–.53	49.19N–.03	8.04E–.05	15–4			**¶12842741**
CSEM	V	20 00 46 00.1–.17	49.18N	8.10E	15	2.1L		
STR	V	20 00 46 00.1–.32	49.19N	8.13E	10	1.7L		
LDG	V	20 00 46 01.5–.07	49.19N	8.07E	10	2.2,2.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.7km az=31.8.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=1.2km az=117.0.
STR Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=112.0.

ISC	**V**	**24 08 43 33.8–2.8**	**51.55N–.05**	**7.0E–.30**	**9**		**8**	**0-2**
								¶16662306

ISC Event type ke.

ISC	**V**	**26 16 31 30.6–1.1**	**51.6N–.10**	**6.6E–.30**	**10**		**10**	**0-2**
								¶16662307

ISC Event type ke.

ISC	**VI**	**27 11 16 18.8–.84**	**50.90N–.01**	**6.09E–.01**	**19–1**		**187**	**0-7**
CSEM	VI	27 11 16 19.8–.09	50.90N	6.13E	19	2.8L		**¶13324380**
ISCJB	VI	27 11 16 19.9–.28	50.90N–.02	6.11E–.03	24–2	2.8L		
UCC	VI	27 11 16 20.6–.29	50.90N	6.12E	16–0	1.8L		
BGR	VI	27 11 16 20.4–.35	50.91N	6.15E	10	2.0L		
BNS	VI	27 11 16 20.6–.74	50.91N	6.13E	15–5	2.0L		
LDG	VI	27 11 16 20.4–.05	50.89N	6.11E	15	2.8,2.6L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=40.2.
UCC Event type ke.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=2.2km az=118.0.
BNS Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=141.0.

(544) Switzerland.

ISC	**I**	**19 13 12 25.7–.95**	**46.61N–.01**	**7.40E–.01**	**7–8**		**261**	**0-6**
ISCJB	I	19 13 12 23.9–.22	46.65N–.01	7.32E–.02	5–2			**¶11611013**
GEN	I	19 13 12 23.9	46.71N	7.30E	1	2.8L		
ZUR	I	19 13 12 24.5	46.62N	7.49E	-2–3	2.7L		
CSEM	I	19 13 12 24.6–.09	46.62N	7.42E	2	3.3L		
BGR	I	19 13 12 25.4–.73	46.56N	7.35E	10	3.5L		
LDG	I	19 13 12 25.5–.07	46.61N	7.44E	6	3.3L,3.2		
VIE	I	19 13 12 27.4–.52	46.60N	7.43E	6	3.0L,2.9b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=27.0.
ZUR Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=101.0.
BGR Event type ke. Error ellipse: s-maj=10.0km s-min=7.8km az=176.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=106.0.
VIE Error ellipse: s-maj=8.8km s-min=4.1km az=153.0. 18 km W of Thuner See .

ISC	**I**	**27 07 10 13.0–.80**	**47.20N–.02**	**7.52E–.01**	**17–5**		**204**	**0-4**
ISCJB	I	27 07 10 11.2–.23	47.16N–.01	7.48E–.02	7–2			**¶11625179**
CSEM	I	27 07 10 12.8–.09	47.20N	7.52E	15	2.6L		
ZUR	I	27 07 10 13.6	47.23N	7.56E	9–1	2.1L		
LEDBW	I	27 07 10 13.9–.90	47.21N–.05	7.57E–.03	5	2.3L		
LDG	I	27 07 10 13.7–.04	47.21N	7.55E	10–0	2.7L,2.7		
BGR	I	27 07 10 14.3–.56	47.24N	7.55E	10	2.2L,2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=141.4.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=138.0.
LEDBW Error ellipse: s-maj=18.0km s-min=8.0km az=166.0.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=122.0.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=15.0.

ZUR	**II**	**02 15 06 16.9**	**46.35N**	**7.58E**	**6–2**	**0.8L**		
								¶16335070

ZUR	**II**	**07 15 13 09.9**	**46.76N**	**9.45E**	**5–3**	**0.7L**		
CSEM	II	07 15 13 09.9	46.76N	9.45E	5	0.7L		**¶14358893**

ZUR Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ZUR.

ZUR	**II**	**12 07 45 41.2**	**46.20N**	**7.50E**	**2–2**	**0.4L**		
CSEM	II	12 07 45 41.2	46.20N	7.50E	2	0.4L		**¶14359067**

ZUR Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ZUR.

ISC	**II**	**15 20 28 42.6–.85**	**46.50N–.01**	**7.02E–.01**	**13–6**		**302**	**0-7**
VIE	II	15 20 28 42.5–.83	46.59N	6.67E	10	2.8L,2.3b		**¶11677939**
ISCJB	II	15 20 28 42.1–.22	46.510N–.01	6.96E–.02	8–2	2.8L,2.3b		
CSEM	II	15 20 28 42.8–.10	46.49N	7.02E	2	3.1L,2.3b		
ZUR	II	15 20 28 43.4	46.48N	7.11E	9–0	2.6L,2.3b		
LDG	II	15 20 28 43.7–.05	46.48N	7.07E	7	3.3,3.0L		
STR	II	15 20 28 44.4–.16	46.52N	7.01E	5	2.9L,3.0L		
SZGRF	II	15 20 28 44.8	46.50N	7.03E	10	3.0b,3.0L		
GEN	II	15 20 28 44.0	46.45N	7.08E	2	2.4L,3.0L		

PRU	II	15 20 28 46.0	46.44N	7.17E	24	2.4L,3.0L		
ISC	Event type ke.							
VIE	Error ellipse: s-maj=10.0km s-min=3.3km az=131.0. 6 km NNE of Lausanne .							
ISCJB	Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=10.5.							
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=97.0.							
ZUR	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=108.0.							
STR	Event type ke.							
SZGRF	Switzerland.							
ISC	**II**	**19 08 03 34.4–.86**	**47.66N–.02**	**7.38E–.02**	**13–6**		**83**	**0-3**
ISCJB	II	19 08 03 33.8–.33	47.66N–.02	7.35E–.02	10–3			**¶13434856**
STR	II	19 08 03 34.0–.16	47.66N	7.39E	10	2.0L		
LDG	II	19 08 03 34.6–.05	47.66N	7.39E	8	2.2L,2.2		
ZUR	II	19 08 03 34.5	47.67N	7.41E	9–2	1.5L,2.2		
LEDBW	II	19 08 03 34.6–.09	47.669N–.01	7.396E–.00	9–2	1.8L,2.2		
CSEM	II	19 08 03 34.0–.06	47.66N	7.38E	15	2.0L,2.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=1.5.							
STR	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=51.0.							
ZUR	Event type ke.							
LEDBW	Error ellipse: s-maj=2.0km s-min=1.2km az=178.0.							
CSEM	Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=25.0.							
ISC	**II**	**25 23 38 53.5–.93**	**46.03N–.03**	**6.89E–.04**	**7–10**		**40**	**0-2**
LDG	II	25 23 38 53.4–.06	46.03N	6.90E	4	1.6,1.5L		**¶11752934**
ZUR	II	25 23 38 53.6	46.04N	6.90E	4–2	1.0L,1.5L		
CSEM	II	25 23 38 53.2–.13	46.03N	6.86E	5	1.6L,1.5L		
ISC	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=118.0.							
ZUR	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=4.3km s-min=1.6km az=120.0.							
ISC	**III**	**01 21 07 01.0–1.1**	**46.62N–.01**	**7.49E–.02**	**0–10**		**137**	**0-3**
ZUR	III	01 21 07 00.0	46.62N	7.47E	-2–3	1.7L		**¶11731079**
CSEM	III	01 21 07 00.5–.11	46.61N	7.43E	10	2.4L		
GEN	III	01 21 07 00.2	46.66N	7.42E	2	1.8L		
LDG	III	01 21 07 00.8–.12	46.61N	7.45E	2	2.6,2.5L		
STR	III	01 21 07 02.6–.32	46.65N	7.49E	5	2.3L,2.5L		
ROM	III	01 21 07 02.6–.67	46.55N	7.49E	11	2.2,1.9L		
ISC	Event type ke.							
ZUR	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=87.0.							
LDG	Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=101.0.							
STR	Event type ke.							
ROM	Event type ke. Error ellipse: s-maj=10.7km s-min=3.8km az=45.0.							
ISC	**III**	**09 16 30 24.3–.85**	**46.72N–.01**	**7.21E–.02**	**15–6**		**130**	**0-3**
CSEM	III	09 16 30 23.5–.12	46.71N	7.15E	15	2.4L		**¶11788854**
GEN	III	09 16 30 23.9	46.72N	7.24E	9	1.7L		
VIE	III	09 16 30 24.8–.47	47.05N	7.27E	11–1	2.5L		
STR	III	09 16 30 24.2–.22	46.73N	7.20E	10	2.4L		
LDG	III	09 16 30 24.4–.04	46.71N	7.19E	10	2.6L,2.3		
ZUR	III	09 16 30 24.0	46.71N	7.23E	8–1	2.0L,2.3		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=1.5km az=101.0.							
VIE	Error ellipse: s-maj=5.0km s-min=2.6km az=2.0.							
STR	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=101.0.							
ZUR	Event type ke.							
ISC	**III**	**30 01 39 54.1–.83**	**47.46N–.01**	**7.12E–.01**	**18–3**		**344**	**0-6**
CSEM	III	30 01 39 53.2–.08	47.42N	7.08E	15	2.7L		**¶12066223**
STR	III	30 01 39 54.4–.16	47.50N	7.14E	10	2.8L		
LDG	III	30 01 39 54.1–.04	47.45N	7.14E	18–0	2.7L		
ZUR	III	30 01 39 54.3	47.46N	7.13E	22–0	2.6L		
BGR	III	30 01 39 54.8–.64	47.45N	7.00E	25–0	2.5L		
PRU	III	30 01 39 54.7	47.33N	7.11E	0	2.5L		
LEDBW	III	30 01 39 54.5–.09	47.452N–.01	7.147E–.01	23–2	2.6L		
ISC	Event type ke.							
CSEM	Event type ke.							
STR	Event type ke.							
LDG	Event type ke.							
ZUR	Event type ke.							
BGR	Event type ke.							
ISC	**IV**	**09 17 34 04.0–.88**	**46.79N–.03**	**8.67E–.02**	**12–6**		**65**	**0-3**
ISCJB	IV	09 17 34 03.5–.36	46.77N–.02	8.64E–.03	11–3			**¶12742127**
CSEM	IV	09 17 34 03.8–.14	46.76N	8.58E	8	2.1L		
ZUR	IV	09 17 34 04.1	46.80N	8.71E	2–1	1.8L		
LDG	IV	09 17 34 04.4–.23	46.77N	8.66E	2	1.9L		
VIE	IV	09 17 34 06.7–.62	46.90N	8.78E	9–2	2.2L,2.0b		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=154.2.							
CSEM	Event type ke. Error ellipse: s-maj=5.5km s-min=2.5km az=149.0.							
ZUR	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=5.5km s-min=1.7km az=93.0.							
VIE	Error ellipse: s-maj=4.9km s-min=3.6km az=169.0. 10 km ENE of Altdorf .							
ISC	**IV**	**19 09 05 33.3–1.1**	**46.31N–.02**	**8.40E–.02**	**9–9**		**160**	**1-6**
GEN	IV	19 09 05 24.6	46.74N	8.90E	10	2.3L		**¶12610725**
ISCJB	IV	19 09 05 31.4–.31	46.36N–.02	8.37E–.02	5–3	2.3L		
CSEM	IV	19 09 05 32.7–.14	46.31N	8.46E	1	2.8L		
LDG	IV	19 09 05 33.4–.08	46.36N	8.47E	6	2.8L		
VIE	IV	19 09 05 33.1–.24	46.24N	8.58E	10–12	2.5L,1.9b		
STR	IV	19 09 05 34.7–.60	46.42N	8.62E	10	2.8L,1.9b		
PRU	IV	19 09 05 38.6	46.45N	8.40E	4	2.8L,1.9b		
ISC	Event type kl.							
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=146.5.							
CSEM	Event type kl. Error ellipse: s-maj=2.9km s-min=2.3km az=141.0. Landslide.							
LDG	Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=111.0.							
VIE	Error ellipse: s-maj=2.4km s-min=1.4km az=137.0. 36 km SE of Biel .							
STR	Event type ke.							
ISC	**IV**	**19 21 44 01.4–.69**	**46.35N–.02**	**8.46E–.02**	**8–4**		**142**	**0-6**
GEN	IV	19 21 43 59.4	46.40N	8.46E	0	2.0L		**¶12611396**
VIE	IV	19 21 43 59.3–.51	46.40N	8.38E	2–2	2.7L,2.5b		
ISCJB	IV	19 21 43 59.3–.29	46.40N–.01	8.35E–.02	10–2	2.7L,2.5b		
CSEM	IV	19 21 44 00.3–.11	46.36N	8.45E	10	2.6L,2.5b		
LDG	IV	19 21 44 00.3–.08	46.38N	8.49E	6	2.5L,2.5b		
STR	IV	19 21 44 03.6–.78	46.52N	8.43E	5	2.5L,2.5b		
PRU	IV	19 21 44 05.9	46.39N	8.65E	11	2.5L,2.5b		
ISC	Event type ke.							
VIE	Error ellipse: s-maj=3.9km s-min=3.0km az=138.0. 14 km ESE of Biel .							
ISCJB	Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=138.5.							
CSEM	Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=142.0.							
LDG	Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=115.0.							
STR	Event type ke.							
ISC	**V**	**03 12 03 16.1–.83**	**46.93N–.02**	**6.84E–.02**	**14–6**		**116**	**0-5**
CSEM	V	03 12 03 15.3–.10	46.90N	6.82E	19	2.4L		**¶12793940**
LDG	V	03 12 03 16.0–.04	46.90N	6.82E	13	2.5,2.4L		
ZUR	V	03 12 03 16.0	46.89N	6.88E	13–1	1.7L,2.4L		
STR	V	03 12 03 17.2–.62	46.95N	6.93E	10	2.1L,2.4L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=90.0.							
LDG	Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=112.0.							
ZUR	Event type ke.							
STR	Event type ke.							
ISC	**V**	**05 01 39 23.7–.50**	**47.672N–.01**	**7.716E–.01**	**18–2**		**1166**	**0-79**
BJI	V	05 01 39 20.2	48.29N	6.83E	7	4.9b,4.8s		**¶12750583**
MOS	V	05 01 39 22.0–1.2	47.69N	7.72E	10	4.3b,4.8s		
PRU	V	05 01 39 22.4	47.77N	7.62E	2	4.3b,4.8s		
IDC	V	05 01 39 22.5–1.4	47.75N	7.63E	0	3.8L,3.5		
CSEM	V	05 01 39 23.7–.06	47.67N	7.72E	10	4.6L,3.6W		
ISCJB	V	05 01 39 24.8–.18	47.66N–.01	7.73E–.02	28–1	4.0b,3.6W		
LDG	V	05 01 39 24.6–.05	47.67N	7.79E	10	4.5L,4.2		
NEIC	V	05 01 39 24.9	47.67N	7.73E	10	4.5L,4.2L		
BGR	V	05 01 39 24.9–.23	47.72N	7.76E	10	4.5L,4.2L		
STR	V	05 01 39 24.9–.12	47.67N	7.73E	10	4.0L,4.2L		
ZUR	V	05 01 39 25.1	47.68N	7.74E	12–0	4.2L,4.2L		
GEN	V	05 01 39 25.7	47.56N	7.81E	1	4.1L,4.2L		
BNS	V	05 01 39 27.1–1.0	47.70N	7.77E	10	3.9L,4.2L		
ISC	Event type fe.							
MOS	Error ellipse: s-maj=4.3km s-min=2.9km az=71.4.							
IDC	Error ellipse: s-maj=16.1km s-min=12.7km az=162.0.							
CSEM	Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=149.0.							
ISCJB	Event type fe. Error ellipse: s-maj=1.8km s-min=1.7km az=25.2.							
LDG	Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=155.0.							
NEIC	Event type fe. Felt [II] at Mulhouse, France. Also felt at Bartenheim, Bruebach, Brunstatt, Gerstheim, Gries, Huningue, Jungholtz, Kembs, Marckolsheim, Munster, Muntzenheim, Rhinau, Saales, Saint-Louis, Steinbrunn-le-Bas and Waltenheim. Felt at Friesenheim and Marktoberdorf, Germany. Felt [III] at Basel and [II] at Reinach, Switzerland. Also felt at Aarau, Aesch, Allschwil, Arlesheim, Augst, Baden, Bettingen, Binningen, Bottmingen, Brugg, Freienbach, Frenkendorf, Holderbank, Lausanne, Lausen, Liestal, Luzern, Matzendorf, Nunningen, Oberendingen, Oberwil, Olten, Pfeffingen, Pratteln, Riehen, Schaffhausen, Thun and Wilchingen. After STR. Moment Tensor Solution. $M_0 3.10000 \times 10^{14}$							
BGR	Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=75.0.							
STR	Event type ke.							
ZUR	Event type ke.							
BNS	Event type ke.							
ZUR	**V**	**07 16 45 26.3**	**46.33N**	**7.42E**	**1–2**	**0.8L**		
CSEM	V	07 16 45 26.3	46.33N	7.42E	1	0.8L		**¶16555910**
ZUR	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ZUR.							
ISC	**V**	**09 20 54 58.2–.78**	**46.22N–.01**	**7.30E–.01**	**10–5**		**249**	**0-6**
ISCJB	V	09 20 54 56.2–.22	46.21N–.01	7.16E–.02	3–2			**¶12791414**
GEN	V	09 20 54 57.8	46.18N	7.30E	10	2.2L		
ZUR	V	09 20 54 57.8	46.21N	7.30E	7–1	2.5L		
CSEM	V	09 20 54 57.1–.11	46.19N	7.26E	2	2.8L		
LDG	V	09 20 54 58.0–.06	46.21N	7.27E	7	2.8L,2.8		
VIE	V	09 20 54 59.0–.68	46.30N	7.33E	8	2.8L,2.3b		
SZGRF	V	09 20 54 59.7	46.27N	7.18E	10	2.6b,2.3b		
STR	V	09 20 55 01.8–.19	46.35N	7.47E	10	2.6L,2.3b		
PRU	V	09 20 55 05.3	46.45N	7.41E	15	2.6L,2.3b		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=14.7.							
ZUR	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=101.0.							
LDG	Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=108.0.							
VIE	Error ellipse: s-maj=7.6km s-min=3.7km az=145.0. 8 km NNW of Sion .							
SZGRF	Switzerland.							
STR	Event type ke.							
ISC	**V**	**13 04 07 17.0–.93**	**46.80N–.01**	**7.20E–.01**	**17–2**		**200**	**0-33**
ISCJB	V	13 04 07 15.6–.19	46.81N–.01	7.10E–.02	10–2			**¶12820034**
CSEM	V	13 04 07 16.7–.07	46.80N	7.17E	15	3.0L		
STR	V	13 04 07 17.7–.18	46.83N	7.22E	10	2.5L		
LDG	V	13 04 07 17.3–.04	46.81N	7.20E	4	2.9L,2.8		
ZUR	V	13 04 07 17.2	46.81N	7.21E	4–0	2.4L,2.8		
GEN	V	13 04 07 18.1	46.75N	7.20E	3	2.0L,2.8		
ROM	V	13 04 07 20.0–.58	46.70N	7.31E	10	2.2L,2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=164.8.							
CSEM	Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=83.0.							
STR	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=111.0.							
ZUR	Event type ke.							
ROM	Event type ke. Error ellipse: s-maj=7.1km s-min=3.8km az=128.0.							
ISC	**V**	**17 07 41 40.0–.81**	**46.57N–.02**	**9.32E–.02**	**11–5**		**93**	**0-4**
ROM	V	17 07 41 39.5–.41	46.60N	9.31E	7–3	2.2,1.5L		**¶12842978**
CSEM	V	17 07 41 39.9–.14	46.59N	9.30E	12	2.4L,1.5L		
ISCJB	V	17 07 41 39.5–.29	46.57N–.02	9.30E–.02	12–3	2.4L,1.5L		
ZUR	V	17 07 41 40.4	46.56N	9.33E	5–2	1.9L,1.5L		
LDG	V	17 07 41 40.5–.07	46.57N	9.35E	5	2.7,2.3L		
VIE	V	17 07 41 40.2–.22	46.57N	9.37E	10–1	1.9L,1.6b		
ISC	Event type ke.							
ROM	Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=157.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=2.1km az=151.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=154.5.							
ZUR	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=108.0.							
VIE	Error ellipse: s-maj=1.6km s-min=1.2km az=74.0. 19 km WSW of Tiefencastel .							
ISC	**V**	**20 13 19 07.7–.83**	**47.35N–.01**	**7.01E–.01**	**14–6**		**271**	**0-6**
ISCJB	V	20 13 19 06.7–.20	47.33N–.01	6.97E–.02	5–2			**¶12844585**
BGR	V	20 13 19 08.1–1.0	47.34N	7.00E	10	2.9L		
ZUR	V	20 13 19 08.8	47.37N	7.08E	5–1	2.9L		
LDG	V	20 13 19 08.9–.06	47.37N	7.06E	5	3.3L,3.3		
STR	V	20 13 19 08.5–.09	47.34N	7.07E	5	3.0L,3.3		
CSEM	V	20 13 19 08.0–.08	47.35N	7.02E	10	3.3L,3.3		
GEN	V	20 13 19 09.6	47.33N	6.99E	0	2.8L,3.3		
VIE	V	20 13 19 11.7–.32	47.25N	7.29E	10–1	3.4L,1.9b		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=146.8.							
BGR	Event type ke. Error ellipse: s-maj=10.0km s-min=4.4km az=36.0.							
ZUR	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=139.0.							
STR	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=142.0.							
VIE	Error ellipse: s-maj=3.0km s-min=1.8km az=7.0. 6 km N of Neuchatel .							
ISC	**VI**	**13 20 38 04.8–.78**	**46.23N–.01**	**6.84E–.02**	**11–4**		**201**	**0-4**
ISCJB	VI	13 20 38 03.8–.22	46.24N–.01	6.76E–.02	5–2			**¶13196669**
CSEM	VI	13 20 38 04.8–.07	46.23N	6.83E	5	2.3L		
GEN	VI	13 20 38 05.7	46.21N	6.85E	7	1.5L		
LDG	VI	13 20 38 05.9–.04	46.23N	6.88E	2	2.5,2.4L		
ZUR	VI	13 20 38 05.4	46.24N	6.86E	-0–1	1.8L,2.4L		
STR	VI	13 20 38 05.4–.18	46.25N	6.86E	5	2.3L,2.4L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=177.9.							
CSEM	Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=89.0.							
LDG	Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=108.0.							
ZUR	Event type ke.							
STR	Event type ke.							
ISC	**VI**	**20 08 19 30.2–.77**	**47.83N–.01**	**8.73E–.01**	**17–4**		**162**	**0-4**
ISCJB	VI	20 08 19 29.5–.23	47.85N–.01	8.73E–.02	7–3			**¶13201586**
ZUR	VI	20 08 19 30.4	47.82N	8.74E	12–1	2.1L		
CSEM	VI	20 08 19 30.1–.06	47.83N	8.72E	15	2.6L		
LDG	VI	20 08 19 30.8–.05	47.83N	8.74E	4	2.5L,2.3		
VIE	VI	20 08 19 31.6–.90	47.85N	8.89E	8	1.9L,1.5b		
STR	VI	20 08 19 31.0–.34	47.86N	8.71E	10	2.5L,1.5b		
BGR	VI	20 08 19 31.1–.41	47.86N	8.74E	10	2.1L,1.5b		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=21.3.							
ZUR	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=175.0.							
LDG	Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=78.0.							
VIE	Error ellipse: s-maj=5.3km s-min=4.5km az=123.0. 12 km NNE of Hohentwiel .							
STR	Event type ke.							
BGR	Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=26.0.							

(545) Northern Italy.

ISC	**I**	**02 22 43 53.3–.77**	**44.52N–.02**	**10.40E–.02**	**24–4**		**275**	**0-65**
IDC	I	02 22 43 49.9–1.4	44.47N	10.73E	0	3.4,3.3b		**¶11593995**
GEN	I	02 22 43 52.8	44.50N	10.43E	25	2.7L,3.3b		
CSEM	I	02 22 43 53.4–.10	44.53N	10.39E	20	3.2L,3.3b		
ISCJB	I	02 22 43 53.3–.22	44.54N–.02	10.36E–.02	29–2	3.3b,3.3b		
ROM	I	02 22 43 53.3–.11	44.51N	10.36E	24–2	2.9L,3.3b		
LDG	I	02 22 43 54.3–.11	44.60N	10.52E	20	3.1L,3.3b		
PRU	I	02 22 43 56.1	44.56N	10.63E	33	3.1L,3.3b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=21.4km s-min=12.2km az=120.0.							

CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=13.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=168.0.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=83.0.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=25.0.

ISC	**I**	**06 16 09 06.8–.79**	**44.57N–.02**	**10.20E–.02**	**23–5**		**323**	**0-10**
GEN	I	06 16 09 05.0	44.64N	10.31E	25	2.4L		¶11534229
ISCJB	I	06 16 09 06.6–.22	44.58N–.02	10.22E–.02	28–2	2.4L		
CSEM	I	06 16 09 06.9–.10	44.57N	10.26E	20	3.3L		
ROM	I	06 16 09 06.8–.13	44.55N	10.20E	11	3.2L,3.0		
MDD	I	06 16 09 07.4–3.8	44.56N	10.29E	0	4.1b,3.0		
LDG	I	06 16 09 07.8–.12	44.64N	10.40E	20	3.2L,3.0		
PRU	I	06 16 09 08.0	44.56N	10.51E	18	3.2L,3.0		
BGR	I	06 16 09 23.0–.62	45.84N	10.66E	10	3.1L,3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=156.4.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=159.0.
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=61.0.
MDD Error ellipse: s-maj=61.2km s-min=34.9km az=162.0.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=19.0.
BGR Event type ke. Error ellipse: s-maj=21.1km s-min=12.2km az=37.0.

ISC	**I**	**06 23 35 05.5–1.2**	**44.48N–.02**	**12.94E–.03**	**10–10**		**57**	**1-4**
ROM	I	06 23 35 05.9–.24	44.51N	12.91E	10	2.5,2.1L		¶13900566
ISCJB	I	06 23 35 07.0–.79	44.47N–.04	12.91E–.07	21–13	2.5,2.1L		
CSEM	I	06 23 35 06.4–.30	44.48N	12.91E	20–0	2.9L,2.1L		

ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=5.2km s-min=2.6km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.0km az=165.6.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.6km az=126.0.

ISC	**I**	**10 01 22 12.9–.84**	**44.53N–.02**	**10.39E–.02**	**24–5**		**161**	**0-6**
GEN	I	10 01 22 11.9	44.56N	10.45E	27	2.0L		¶11615730
CSEM	I	10 01 22 12.9–.12	44.53N	10.40E	22–1	2.6L		
ISCJB	I	10 01 22 12.6–.24	44.52N–.02	10.37E–.02	30–2	2.6L		
ROM	I	10 01 22 12.8–.19	44.54N	10.40E	24–3	2.5,2.5L		
VIE	I	10 01 22 13.4–.90	44.53N	10.85E	10	2.8L,2.3b		
LDG	I	10 01 22 14.1–.40	44.57N	10.50E	20	2.6L,2.3b		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=140.4.
ROM Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=86.0.
VIE Error ellipse: s-maj=17.7km s-min=7.3km az=97.0. 38 km W of Bologna .
LDG Event type ke. Error ellipse: s-maj=8.3km s-min=4.8km az=99.0.

LJU	**I**	**14 15 27 21.2**	**45.91N**	**13.81E**	**10**	**1.0L**		
CSEM	I	14 15 27 20.9–.20	45.93N	13.82E	15	1.0L		¶14301092

CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=2.3km az=84.0.

ISC	**I**	**15 08 43 39.8–.87**	**45.91N–.02**	**7.97E–.03**	**17–6**		**78**	**0-3**
LDG	I	15 08 43 40.9–.08	45.90N	7.97E	6	2.5L,2.3		¶11659122
CSEM	I	15 08 43 40.2–.12	45.91N	7.94E	17–1	2.6L,2.3		
ZUR	I	15 08 43 41.0	45.91N	7.97E	6–2	2.0L,2.3		
GEN	I	15 08 43 42.7	45.83N	7.83E	15	1.7L,2.3		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=126.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=98.0.

ISC	**I**	**22 19 52 36.3–.81**	**46.58N–.02**	**10.57E–.02**	**13–5**		**103**	**0-4**
ISCJB	I	22 19 52 35.7–.35	46.58N–.02	10.60E–.02	13–4			¶11617484
VIE	I	22 19 52 36.7–.24	46.60N	10.64E	6–2	2.4L,2.2b		
CSEM	I	22 19 52 36.4–.13	46.59N	10.60E	2	2.7L,2.2b		
ZUR	I	22 19 52 36.4	46.57N	10.57E	10–1	2.1L,2.2b		
ROM	I	22 19 52 36.4–.16	46.55N	10.55E	10–1	2.1,2.0L		
PRU	I	22 19 52 38.0	46.62N	10.69E	0	2.1,2.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=179.2.
VIE Error ellipse: s-maj=1.7km s-min=1.2km az=42.0. 10 km SE of Glorenza .
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=176.0.
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=1.3km az=16.0.

ISC	**II**	**01 14 52 00.8–.94**	**44.02N–.02**	**8.67E–.01**	**15–7**	**3.9b**	**656**	**0-84**
SZGRF	II	01 14 51 59.3	43.90N	8.53E	10	4.1b		¶11667211
PRU	II	01 14 52 00.1	44.07N	8.86E	0	4.1b		
ROM	II	01 14 52 00.6–.15	43.99N	8.68E	11	3.9L		
IDC	II	01 14 52 00.1–.83	44.18N	8.63E	0	4.0,4.0L		
ZUR	II	01 14 52 00.1	44.01N	8.66E	6–1	3.6L,4.0L		
ISCJB	II	01 14 52 01.4–.26	44.03N–.01	8.69E–.01	27–2	3.9b,3.3s		
GEN	II	01 14 52 01.5	44.05N	8.68E	9	4.0L,3.3s		
CSEM	II	01 14 52 01.1–.08	44.04N	8.69E	10	4.6L,3.3s		
LDG	II	01 14 52 01.9–.07	44.02N	8.66E	6	4.1L,3.7		
NEIC	II	01 14 52 01.3–1.3	44.02N	8.64E	12–10	4.1L,4.0L		
STR	II	01 14 52 02.0–.29	44.00N	8.70E	5	3.9L,4.0L		

ISC Event type ke.
SZGRF Corsica, France.
ROM Event type ke. Error ellipse: s-maj=3.6km s-min=1.5km az=14.0.
IDC Error ellipse: s-maj=25.2km s-min=11.1km az=126.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=168.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=172.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.2km az=178.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=155.0.
STR Event type ke.

ISC	**II**	**03 18 16 52.7–1.0**	**46.41N–.03**	**10.44E–.05**	**11–11**		**20**	**0-1**
CSEM	II	03 18 16 52.4–.11	46.41N	10.50E	15	1.6		¶14358766
ZUR	II	03 18 16 52.6	46.40N	10.43E	2–3	1.3L		
VIE	II	03 18 16 54.1–.52	46.47N	10.58E	10–4	1.9b,1.4L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.3km az=91.0.
VIE Error ellipse: s-maj=3.2km s-min=2.1km az=32.0. 16 km E of Bormio .

ISC	**II**	**10 07 57 24.7–.91**	**45.80N–.03**	**9.97E–.02**	**16–7**		**84**	**0-3**
ISCJB	II	10 07 57 24.4–.44	45.85N–.03	10.00E–.03	15–4			¶11678640
CSEM	II	10 07 57 24.9–.18	45.83N	9.99E	12	2.8L		
GEN	II	10 07 57 24.2	45.73N	10.07E	10	2.3L		
ROM	II	10 07 57 25.0–.17	45.83N	9.97E	12–6	2.4,2.2L		
VIE	II	10 07 57 29.6–.30	45.98N	10.35E	12–1	2.4L,1.9b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=170.0.
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=125.0.
VIE Error ellipse: s-maj=2.0km s-min=1.1km az=31.0. 38 km WSW of Pinzolo .

ISC	**II**	**10 07 57 33.6–.97**	**45.84N–.03**	**10.01E–.03**	**13–10**		**26**	**0-1**
ISCJB	II	10 07 57 33.5–1.4	45.86N–.04	10.01E–.04	15–17			¶15955322
CSEM	II	10 07 57 33.1	45.85N	10.00E	8	2.3		
ROM	II	10 07 57 33.3–.32	45.85N	10.01E	7–4	2.2,2.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=178.1.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=30.0.

ZUR	**II**	**11 01 34 07.8**	**45.85N**	**7.37E**	**2–3**	**1.0L**		
GEN	II	11 01 34 07.4	45.85N	7.35E	6	1.1L		¶11682804
CSEM	II	11 01 34 07.5–.11	45.84N	7.37E	2	1.5L		
LDG	II	11 01 34 09.4–.66	45.83N	7.25E	2	1.9,1.8L		

ZUR Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=92.0.
LDG Event type ke. Error ellipse: s-maj=12.6km s-min=5.7km az=85.0.

ROM	**II**	**11 20 39 13.3–.14**	**44.54N**	**10.36E**	**27–1**	**2.3,2.2L**		
GEN	II	11 20 39 13.4	44.57N	10.38E	19	2.0L,2.2L		¶13901032
CSEM	II	11 20 39 13.4–.09	44.54N	10.31E	24–1	2.3L,2.2L		

ROM Event type ke. Error ellipse: s-maj=5.3km s-min=1.3km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=94.0.

ISC	**II**	**18 20 14 10.4–.83**	**44.49N–.02**	**8.34E–.02**	**18–6**		**84**	**0-2**
LDG	II	18 20 14 10.2–.14	44.54N	8.34E	5	2.5L		¶11729285
ISCJB	II	18 20 14 10.1–.39	44.51N–.02	8.28E–.03	13–3	2.5L		
ROM	II	18 20 14 10.3–.14	44.47N	8.30E	5	2.1L,1.9		
GEN	II	18 20 14 10.9	44.48N	8.35E	15	1.5L,1.9		
CSEM	II	18 20 14 10.1–.16	44.52N	8.32E	15	2.5L,1.9		
STR	II	18 20 14 12.5–.41	44.42N	8.32E	5	2.5L,1.9		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=40.8.
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=82.0.
STR Event type ke.

ISC	**II**	**20 00 47 30.5–.80**	**44.56N–.01**	**7.20E–.02**	**10–4**		**118**	**0-4**
ROM	II	20 00 47 29.9–.13	44.56N	7.18E	10–1	2.3,2.0L		¶11729294
ISCJB	II	20 00 47 30.0–.25	44.55N–.01	7.16E–.03	11–2	2.3,2.0L		
STR	II	20 00 47 30.8–.48	44.56N	7.19E	5	2.3L,2.0L		
CSEM	II	20 00 47 30.4–.09	44.56N	7.19E	5	2.4L,2.0L		
GEN	II	20 00 47 30.7	44.55N	7.19E	7	2.0L,2.0L		
LDG	II	20 00 47 31.5–.15	44.53N	7.16E	2	2.5L,2.4		

ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.4km s-min=1.8km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=156.1.
STR Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=69.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=1.8km az=56.0.

ISC	**II**	**21 01 44 50.8–.96**	**44.11N–.03**	**10.10E–.02**	**9–8**		**85**	**0-6**
ISCJB	II	21 01 44 51.0–.47	44.14N–.03	10.12E–.05	16–8			¶11729304
ROM	II	21 01 44 50.1–.18	44.15N	10.13E	2	2.3,2.1L		
CSEM	II	21 01 44 51.0–.14	44.11N	10.09E	5	2.5L,2.1L		
GEN	II	21 01 44 51.2	44.16N	10.15E	10	2.0L,2.1L		
LDG	II	21 01 44 53.5–.13	44.04N	10.02E	2	2.4L,2.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=145.9.
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=19.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=137.0.

ISC	**III**	**01 05 53 05.5–.83**	**46.32N–.02**	**12.56E–.01**	**7–5**		**148**	**0-2**
ISCJB	III	01 05 53 05.0–.29	46.33N–.02	12.54E–.02	14–3			¶13901418
ROM	III	01 05 53 05.1–.17	46.35N	12.55E	5	2.3,1.8L		
VIE	III	01 05 53 05.3–.23	46.33N	12.58E	10–2	2.0L,1.4b		
CSEM	III	01 05 53 05.4–.08	46.32N	12.55E	10	2.5L,1.4b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=178.2.
ROM Event type ke. Error ellipse: s-maj=4.4km s-min=1.6km az=153.0.
VIE Error ellipse: s-maj=1.8km s-min=1.1km az=174.0. 18 km ESE of Perarolo .
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=179.0.

ISC	**III**	**04 03 59 49.1–1.1**	**45.28N–.03**	**12.02E–.02**	**13–9**		**137**	**1-5**
ISCJB	III	04 03 59 47.8–.54	45.28N–.03	12.03E–.03	4–4			¶11788683
ROM	III	04 03 59 49.6–.17	45.33N	12.01E	5	2.6,2.3L		
VIE	III	04 03 59 49.5–.31	45.37N	12.07E	10–1	2.9L,2.2b		
CSEM	III	04 03 59 49.2–.17	45.32N	12.04E	10	3.1L,2.2b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=0.3.
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=104.0.
VIE Error ellipse: s-maj=2.1km s-min=1.0km az=11.0. 23 km WSW of Venice .
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=16.0.

ISC	**III**	**04 09 59 06.7–.81**	**44.29N–.01**	**7.17E–.02**	**14–5**		**99**	**0-2**
ISCJB	III	04 09 59 06.7–.26	44.28N–.01	7.13E–.02	11–2			¶11938323
STR	III	04 09 59 07.0–.26	44.29N	7.14E	5	2.3L		
GEN	III	04 09 59 07.5	44.28N	7.16E	9	1.8L		
CSEM	III	04 09 59 07.0–.06	44.29N	7.15E	10	2.4L		
ROM	III	04 09 59 07.3–.27	44.30N	7.20E	10–1	2.0L,1.8		
LDG	III	04 09 59 07.4–.09	44.29N	7.17E	2	2.5L,2.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=152.0.
STR Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=69.0.
ROM Event type ke. Error ellipse: s-maj=5.1km s-min=2.0km az=29.0.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=65.0.

ISC	**III**	**04 23 44 31.2–.83**	**44.24N–.02**	**10.45E–.02**	**16–4**		**139**	**0-6**
GEN	III	04 23 44 30.5	44.28N	10.53E	18	2.3L		¶11938326
ISCJB	III	04 23 44 31.0–.26	44.24N–.02	10.43E–.03	18–2	2.3L		
LDG	III	04 23 44 31.9–.10	44.23N	10.52E	5	2.6L		
VIE	III	04 23 44 31.6–.30	44.24N	10.56E	10	2.6L,2.5b		
ROM	III	04 23 44 31.1–.12	44.26N	10.51E	10–1	2.4,2.4L		
CSEM	III	04 23 44 31.3–.15	44.22N	10.48E	20–0	2.6L,2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=25.5.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=36.0.
VIE Error ellipse: s-maj=4.1km s-min=1.6km az=123.0. 68 km WSW of Bologna .
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=1.3km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=56.0.

ISC	**III**	**05 01 38 01.1–.77**	**44.23N–.02**	**10.46E–.02**	**17–4**		**117**	**0-6**
GEN	III	05 01 38 00.8	44.28N	10.54E	13	2.2L		¶11938330
VIE	III	05 01 38 01.2–.31	44.20N	10.61E	10	2.5L,2.4b		
ISCJB	III	05 01 38 01.1–.27	44.24N–.02	10.42E–.03	18–3	2.5L,2.4b		
LDG	III	05 01 38 01.8–.09	44.24N	10.52E	5	2.5L,2.4b		
CSEM	III	05 01 38 01.2–.09	44.24N	10.45E	12	2.4L,2.4b		
ROM	III	05 01 38 01.1–.14	44.26N	10.50E	10–1	2.4L,2.3		

ISC Event type ke.
VIE Error ellipse: s-maj=3.7km s-min=1.4km az=132.0. 67 km WSW of Bologna .
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=147.0.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=43.0.
ROM Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=90.0.

ISC	**III**	**05 04 47 56.5–.75**	**44.24N–.02**	**10.45E–.02**	**17–4**		**104**	**0-6**
ISCJB	III	05 04 47 56.0–.32	44.26N–.02	10.44E–.04	21–3			¶11938332
ROM	III	05 04 47 56.3–.13	44.26N	10.51E	10–1	2.3,2.3L		
LDG	III	05 04 47 56.9–.08	44.20N	10.52E	5	2.5L,2.3L		
GEN	III	05 04 47 56.1	44.27N	10.51E	16	2.3L,2.3L		
CSEM	III	05 04 47 56.3–.11	44.24N	10.46E	13–1	2.5L,2.3L		
VIE	III	05 04 47 57.1–.58	44.25N	10.51E	10	2.6L,2.4b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=151.3.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=91.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=11.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=57.0.
VIE Error ellipse: s-maj=9.6km s-min=2.6km az=112.0. 71 km WSW of Bologna .

ISC	**III**	**24 00 42 00.6–.00**	**44.19N–.03**	**12.49E–.03**	**33–2**		**76**	**0-4**
ISCJB	III	24 00 41 59.6–.45	44.21N–.03	12.51E–.05	43–6			¶13903653
ROM	III	24 00 42 00.3–.21	44.14N	12.43E	35–2	2.3,2.1L		
CSEM	III	24 00 42 00.1–.16	44.19N	12.47E	40	3.1L,2.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=20.6.
ROM Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=88.0.

ISC	**III**	**31 22 20 54.6–.89**	**45.18N–.02**	**7.50E–.02**	**17–7**		**148**	**0-5**
LDG	III	31 22 20 54.3–.09	45.20N	7.50E	14	2.7L,2.7		¶12084391
ISCJB	III	31 22 20 54.1–.30	45.17N–.02	7.43E–.03	11–2	2.7L,2.7		
CSEM	III	31 22 20 54.4–.17	45.20N	7.50E	5	2.9L,2.7		
STR	III	31 22 20 54.8–.75	45.18N	7.51E	5	2.5L,2.7		
GEN	III	31 22 20 55.1	45.23N	7.40E	18	2.3L,2.7		
ROM	III	31 22 20 55.1–.20	45.23N	7.42E	15–4	2.5L,2.3		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=168.5.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=80.0.
STR Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=114.0.

ISC	**IV**	**02 11 57 21.0–.92**	**44.30N–.01**	**7.26E–.02**	**19–2**		**111**	**0-6**
CSEM	IV	02 11 57 21.1–.08	44.31N	7.27E	17–0	2.8L		¶12579630
ROM	IV	02 11 57 21.6–.31	44.31N	7.27E	12–5	2.3,2.1L		
ISCJB	IV	02 11 57 21.5–.28	44.28N–.02	7.28E–.03	21–3	2.3,2.1L		
LDG	IV	02 11 57 21.7–.05	44.30N	7.26E	10	2.8L,2.6		
GEN	IV	02 11 57 21.2	44.28N	7.23E	15	2.0L,2.6		
STR	IV	02 11 57 22.0–.14	44.29N	7.27E	5	2.8L,2.6		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=83.0.

ROM Event type ke. Error ellipse: s-maj=4.3km s-min=2.2km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=169.5.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=67.0.
STR Event type ke.
ISC IV 05 06 20 26.7–2.8 45.25N–.05 13.3E–.10 12–10 25 1-2
CSEM IV 05 06 20 26.7–.44 45.25N 13.32E 19–0 2.5L ¶14637087
LJU IV 05 06 20 27.1 45.25N 13.40E 1 1.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=89.0.
ISC IV 05 20 20 53.1–.40 44.24N–.01 11.98E–.01 20–1 4.6b,4.2s 1677 0-144
IDC IV 05 20 20 49.9–.49 44.28N 11.93E 0 4.6,4.5 ¶13438006
BJI IV 05 20 20 49.1 44.63N 11.71E 8 5.1b,4.9s
GEN IV 05 20 20 50.6 43.94N 12.24E 5 4.7L,4.9s
MOS IV 05 20 20 51.9–.99 44.34N 11.96E 26 4.9b,4.0s
ISCJB IV 05 20 20 51.8–.20 44.302N–.01 12.04E–.01 19–1 4.5b,4.2s
PDG IV 05 20 20 52.6–1.0 44.33N 11.99E 26–1 4.8L,4.2s
ZUR IV 05 20 20 52.9 44.44N 11.76E 4–11 4.5L,4.2s
CRAAG IV 05 20 20 52.4 44.33N 11.98E 4.8W,4.2s
LDG IV 05 20 20 52.3–.07 44.36N 12.11E 20 4.7L,4.2s
PRU IV 05 20 20 53.6 44.36N 11.93E 20 4.6,4.2s
TIR IV 05 20 20 53.5–4.1 42.84N 12.80E 0–499 4.6,4.2s
VIE IV 05 20 20 53.9–1.2 44.41N 12.03E 12–9 4.7L,4.6s
CSEM IV 05 20 20 53.1–.05 44.31N 11.98E 20 4.8s,4.8W
NEIC IV 05 20 20 53.0 44.24N 12.00E 28 4.8W,4.7L
ROM IV 05 20 20 53.3–.09 44.23N 11.91E 24–1 4.6L,4.7L
STR IV 05 20 20 55.4–.50 44.43N 11.65E 10 4.8L,4.7L
DJA IV 05 20 21 01.7–7.7 44N–16 12E–42 76–54 4.7b,4.6
ISC Event type fe.
ISCJB Event type fe.
PDG Event type ke.
ZUR Event type ke.
LDG Event type ke.
CSEM Event type ke.
NEIC Event type fe. Felt [V] at Savignano sul Rubicone and Solarolo; [IV] at Bellaria-Igea Marina, Castel Bolognese, Castrocaro Terme, Cervia, Cesena, Faenza, Forlì, Forlimpopoli, Imola, Pesaro, Ravenna and Rimini; [III] at Ancona, Arezzo, Bologna, Fano, Ferrara, Florence, Lugo, Padova, Trieste and Venice. Felt in much of Emilia Romagna, Marche, Toscana, Umbria and Veneto and in parts of Lazio, Liguria, Lombardia and Trentino-Alto Adige. Also felt at Ljubljana, Slovenia. After ROM. Moment Tensor Solution. $M_0 1.80000 \times 10^{16}$
ROM Event type ke.
STR Event type ke.
ISC IV 05 20 48 20.4–.87 44.29N–.02 11.88E–.02 30–5 123 0-8
CSEM IV 05 20 48 20.9–.13 44.25N 11.85E 20 2.6L ¶12089194
ISCJB IV 05 20 48 20.5–.34 44.29N–.03 11.78E–.03 31–3 2.6L
ROM IV 05 20 48 21.5–.15 44.20N 11.90E 21–3 2.3,2.2L
LDG IV 05 20 48 22.9–.57 44.35N 11.87E 20 2.8L,2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=18.3.
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=59.0.
LDG Event type ke. Error ellipse: s-maj=11.3km s-min=6.5km az=102.0.
ISC IV 05 21 09 38.8–.93 44.24N–.03 11.94E–.03 28–5 57 0-3
ROM IV 05 21 09 38.7–.22 44.24N 11.97E 29–2 2.4,1.9L ¶14835529
ISCJB IV 05 21 09 38.6–.41 44.28N–.04 12.01E–.05 25–5 2.4,1.9L
CSEM IV 05 21 09 38.8–.15 44.26N 11.99E 26–1 2.5L,1.9L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.7km az=146.7.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=100.0.
ISC IV 05 22 02 58.7–.72 44.23N–.03 11.91E–.03 28–5 47 0-2
ROM IV 05 22 02 58.2–.23 44.24N 11.96E 29–2 2.3,1.8L ¶14835538
CSEM IV 05 22 02 58.6–.16 44.24N 11.93E 30 2.5,1.8L
ISCJB IV 05 22 02 58.4–.45 44.25N–.04 11.97E–.06 31–6 2.5,1.8L
ISC Event type ke.
ROM Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 05 22 10 22.8–.90 44.25N–.03 11.95E–.03 29–5 68 0-5
ISCJB IV 05 22 10 22.9–.35 44.26N–.03 11.97E–.05 28–4 ¶14682624
PRU IV 05 22 10 23.3 44.41N 12.07E 0
ROM IV 05 22 10 23.8–.25 44.20N 11.91E 22–3 2.3,1.8L
CSEM IV 05 22 10 23.3–.17 44.24N 11.93E 26–2 2.7,1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=5.0km az=7.8.
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=121.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=90.0.
ISC IV 05 22 13 45.6–.89 44.25N–.02 11.94E–.02 29–5 121 0-5
GEN IV 05 22 13 43.8 44.12N 12.24E 16 2.2L ¶12579657
ISCJB IV 05 22 13 45.7–.30 44.25N–.02 11.90E–.04 33–6 2.2L
CSEM IV 05 22 13 45.8–.13 44.24N 11.96E 30 2.4L
ROM IV 05 22 13 45.5–.26 44.25N 11.93E 29–2 2.5,2.2L
PRU IV 05 22 13 46.3 44.44N 12.11E 0 2.5,2.2L
LDG IV 05 22 13 47.1–.21 44.20N 11.87E 10 2.6L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=16.2.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=93.0.
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=175.0.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=4.5km az=40.0.
ISC IV 05 22 15 02.5–1.0 44.25N–.05 12.05E–.04 27–7 32 0-2
CSEM IV 05 22 15 01.9–.31 44.25N 12.09E 20 2.5L ¶14835539
ISCJB IV 05 22 15 02.1–.72 44.25N–.06 12.07E–.06 26–5 2.5L
ROM IV 05 22 15 03.0–.41 44.22N 11.97E 24–3 2.3,1.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=5.5km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.8km az=153.7.
ROM Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=102.0.
ISC IV 06 03 33 39.3–.62 44.28N–.02 11.93E–.02 31–4 280 0-65
IDC IV 06 03 33 34.5–1.7 44.18N 12.23E 0 3.5,3.3L ¶12089898
PRU IV 06 03 33 39.1 44.45N 12.14E 0 3.5,3.3L
ISCJB IV 06 03 33 39.2–.19 44.30N–.02 11.90E–.02 39–5 3.2b,3.3L
ROM IV 06 03 33 39.4–.13 44.25N 11.96E 28–2 3.3L,3.3L
CSEM IV 06 03 33 39.6–.13 44.27N 11.98E 25–1 3.6L,3.3L
LDG IV 06 03 33 40.4–.16 44.32N 12.10E 30 3.4L,3.3L
STR IV 06 03 33 47.6–.67 44.65N 11.04E 10 3.3L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=52.9km s-min=16.0km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=149.5.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=163.0.
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=1.9km az=160.0.
STR Event type ke.
ISC IV 06 08 32 26.4–.95 44.24N–.03 11.94E–.03 27–6 60 0-3
CSEM IV 06 08 32 26.6–.20 44.25N 11.96E 30 2.6L ¶14835960
ISCJB IV 06 08 32 26.2–.41 44.29N–.04 11.97E–.05 29–5 2.6L
ROM IV 06 08 32 27.2–.28 44.22N 11.90E 24–4 2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=5.1km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.6km az=42.3.
ROM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=36.0.
ISC IV 07 08 45 35.1–.88 44.26N–.02 11.94E–.02 29–5 97 0-3
CSEM IV 07 08 45 35.0–.11 44.27N 11.96E 28–2 3.2L ¶14837289
ROM IV 07 08 45 35.1–.25 44.23N 11.94E 28–3 2.6,2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=61.0.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=40.0.
ISC IV 07 21 15 12.4–.85 44.27N–.02 11.98E–.02 28–5 181 0-7
GEN IV 07 21 15 09.3 43.95N 12.23E 4 2.6L ¶12100598
LDG IV 07 21 15 11.7–.14 44.34N 12.05E 10 2.9L
CSEM IV 07 21 15 12.7–.11 44.25N 11.98E 30 2.8L
ISCJB IV 07 21 15 12.4–.27 44.29N–.02 11.94E–.02 33–3 2.8L
ROM IV 07 21 15 13.1–.22 44.23N 11.93E 23–3 2.5L,2.4
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=153.8.
ROM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=35.0.
ISC IV 08 05 24 02.2–.92 44.24N–.04 11.95E–.04 31–6 34 0-2
ROM IV 08 05 24 01.4–.40 44.25N 12.00E 32–3 2.1,1.8L ¶14838218
CSEM IV 08 05 24 02.0–.14 44.25N 11.97E 30 2.5L,1.8L
ISCJB IV 08 05 24 02.0–.48 44.25N–.05 11.99E–.09 32–8 2.5L,1.8L
ISC Event type ke.
ROM Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IV 09 07 31 44.9–.85 44.25N–.02 11.97E–.02 29–5 230 0-7
ISCJB IV 09 07 31 44.9–.21 44.28N–.02 11.93E–.02 36–5 ¶12105735
VIE IV 09 07 31 44.5–.53 44.32N 12.09E 14–6 2.9L,2.3b
GEN IV 09 07 31 44.6 43.65N 12.13E 43 2.8L,2.3b
LDG IV 09 07 31 45.2–.17 44.29N 11.93E 2 2.9L,2.3b
CSEM IV 09 07 31 45.1–.11 44.27N 12.00E 26–1 3.2L,2.3b
ROM IV 09 07 31 45.8–.20 44.20N 11.96E 24–3 2.7L,2.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=137.6.
VIE Error ellipse: s-maj=5.3km s-min=2.1km az=179.0. 53 km NW of San Marino .
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=98.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=130.0.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=72.0.
ISC IV 09 18 09 52.7–.84 44.26N–.02 11.96E–.02 30–5 278 0-7
VIE IV 09 18 09 51.8–.34 44.27N 12.11E 10 2.9L,2.3b ¶12576738
ISCJB IV 09 18 09 52.9–.20 44.29N–.02 11.89E–.02 36–5 2.9L,2.3b
ROM IV 09 18 09 52.6–.10 44.28N 11.95E 28–1 2.8,2.6L
LDG IV 09 18 09 52.2–.08 44.31N 12.10E 13 3.1L,2.6L
CSEM IV 09 18 09 53.1–.11 44.28N 11.94E 25–1 2.9L,2.6L
GEN IV 09 18 09 53.2 44.02N 12.09E 22 2.7L,2.6L
ISC Event type ke.
VIE Error ellipse: s-maj=3.3km s-min=1.7km az=153.0. 48 km NW of San Marino .
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=41.8.
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=74.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=113.0.
LDG IV 10 04 01 40.8–.12 44.70N 7.21E 2 1.6,1.5L
GEN IV 10 04 01 39.9 44.74N 7.21E 6 0.6L,1.5L ¶12742157
CSEM IV 10 04 01 39.6–.14 44.71N 7.26E 12 1.4L,1.5L
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=75.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=78.0.
ISC IV 11 10 09 45.8–.87 46.47N–.02 12.70E–.01 4–6 112 0-3
ISCJB IV 11 10 09 45.8–.28 46.50N–.02 12.68E–.02 8–3 ¶12742171
CSEM IV 11 10 09 45.8–.09 46.48N 12.69E 8 2.5L
ROM IV 11 10 09 45.6–.15 46.47N 12.73E 5–1 2.5,1.8L
VIE IV 11 10 09 45.9–.12 46.49N 12.69E 10–1 2.1L,1.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=6.5.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=11.0.
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=46.0.
VIE Error ellipse: s-maj=1.3km s-min=0.6km az=8.0. 11 km NW of Ampezzo .
ROM IV 15 23 15 05.4–.21 44.62N 10.16E 26–3 2.3,2.1L
CSEM IV 15 23 15 05.5–.13 44.60N 10.14E 19–0 2.3L,2.1L ¶12756777
LDG IV 15 23 15 05.6–.13 44.59N 10.26E 10 2.3L,2.1L
ROM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=32.0.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.4km az=78.0.
ZUR IV 17 19 23 55.2 45.98N 7.91E -0–3 1.1L
CSEM IV 17 19 23 54.5–.09 45.94N 7.93E 5 0.8L ¶16194511
GEN IV 17 19 23 54.7 45.95N 7.91E 4 0.8L
ZUR Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=102.0.
ISC IV 18 12 51 04.7–1.1 45.68N–.05 11.09E–.02 9–8 50 0-2
ROM IV 18 12 51 03.9–.40 45.68N 11.10E 2 2.5 ¶14843911
CSEM IV 18 12 51 04.6–.24 45.69N 11.09E 15 2.3
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=8.2km s-min=2.4km az=163.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.3km az=165.0.
ISC IV 19 12 39 50.0–.46 44.74N–.02 7.90E–.02 51–5 3.5b 907 0-50
IDC IV 19 12 39 45.6–1.3 44.67N 7.96E 0 4.6L,3.9 ¶12610734
BGR IV 19 12 39 48.9–.62 44.70N 7.86E 10 4.3L,3.9
SZGRF IV 19 12 39 48.9 44.70N 7.86E 10 4.3b,3.9
ISCJB IV 19 12 39 49.5–.12 44.76N–.01 7.92E–.01 65–2 3.5b,3.9
ZUR IV 19 12 39 49.7 44.66N 7.99E 40–1 4.0L,3.9
STR IV 19 12 39 49.2–.16 44.75N 8.00E 5 4.5L,3.9
NEIC IV 19 12 39 50.0 44.73N 7.85E 40 4.5L,4.4L
PRU IV 19 12 39 50.9 45.20N 7.98E 0 3.6,4.4L
ROM IV 19 12 39 50.0–.10 44.74N 7.87E 45–3 4.1L,4.4L
LDG IV 19 12 39 50.2–.07 44.76N 7.95E 40 4.5L,3.7
GEN IV 19 12 39 50.3 44.76N 7.85E 54 4.2L,3.7
CSEM IV 19 12 39 51.0–.06 44.76N 7.95E 40 4.7L,3.6b
ISC Event type fe.
IDC Error ellipse: s-maj=32.9km s-min=15.4km az=126.0.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=27.0.
SZGRF Northern Italy.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.5km az=152.9.
ZUR Event type ke.
STR Event type ke.
NEIC Event type fe. Felt [IV] at Boves, Canale, Carignano, Cavallermaggiore, Cherasco, Collegno, Fossano, Guarene, Racconigi, Savigliano and Vinovo; [III] at Alba, Alessandria, Alpignano, Asti, Beinasco, Biella, Borgo San Dalmazzo, Bra, Canelli, Carmagnola, Chieri, Cuneo, Giaveno, Grugliasco, Ivrea, Moncalieri, Nichelino, Orbassano, Rivoli, San Damiano d'Asti, Santena, Savona, Settimo Torinese, Turin and Venaria Reale; [II] at Genoa and Milan. Felt throughout Piemonte and in western Liguria, western Lombardia and Valle d'Aosta. After ROM.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=40.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=29.0.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=160.0.
ISC IV 26 12 57 28.9–.85 44.53N–.02 10.28E–.02 26–5 142 0-5
VIE IV 26 12 57 29.0–.27 44.58N 10.35E 10 2.8L,2.5b ¶12757346
GEN IV 26 12 57 28.1 44.56N 10.43E 25 2.1L,2.5b
ISCJB IV 26 12 57 28.5–.25 44.52N–.02 10.22E–.03 28–3 2.1L,2.5b
LDG IV 26 12 57 29.0–.18 44.54N 10.32E 10 2.6L,2.5b
ROM IV 26 12 57 29.0–.21 44.54N 10.36E 24–3 2.2L,2.5b
CSEM IV 26 12 57 29.0–.12 44.54N 10.33E 20 2.7,2.5b
ISC Event type ke.
VIE Error ellipse: s-maj=6.1km s-min=1.9km az=90.0. 79 km W of Bologna .
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=36.0.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=8.0.
ROM Event type ke. Error ellipse: s-maj=3.8km s-min=1.9km az=78.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=81.0.
ISC IV 27 10 21 33.8–1.3 45.76N–.05 10.97E–.03 7–8 75 0-3
ISCJB IV 27 10 21 31.7–.80 45.69N–.04 10.94E–.04 7–4 ¶14370461
VIE IV 27 10 21 32.5–.36 45.72N 10.96E 13–1 2.5L,1.9b
ROM IV 27 10 21 32.3–.37 45.70N 11.00E 5 2.4,2.0L
CSEM IV 27 10 21 32.0–.31 45.68N 10.95E 10 2.2,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.9km az=23.9.
VIE Error ellipse: s-maj=2.4km s-min=1.4km az=17.0. 41 km SSW of Trento .
ROM Event type ke. Error ellipse: s-maj=4.3km s-min=2.2km az=13.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.6km az=22.0.
ISC V 02 03 10 49.2–.95 45.12N–.02 11.81E–.02 10–7 86 0-2
ISCJB V 02 03 10 47.8–.50 45.10N–.02 11.89E–.04 1–5 ¶14847632
ROM V 02 03 10 49.2–.32 45.10N 11.88E 20–8 2.5,2.0L
CSEM V 02 03 10 49.1–.26 45.11N 11.80E 20–0 2.5,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=26.5.
ROM Event type ke. Error ellipse: s-maj=7.4km s-min=2.8km az=109.0.

CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=130.0.
ISC V 07 16 57 32.9–.95 44.60N–.02 9.42E–.02 6–8 85 0-3
GEN V 07 16 57 32.6 44.68N 9.40E 10 2.3L **¶12824815**
ROM V 07 16 57 32.5–.14 44.63N 9.42E 2–1 2.4,2.2L
CSEM V 07 16 57 33.4–.20 44.59N 9.43E 8 2.8L,2.2L
ISCJB V 07 16 57 33.3–.38 44.58N–.03 9.43E–.03 11–3 2.8L,2.2L
LDG V 07 16 57 34.9–.43 44.46N 9.47E 2 2.5L,2.2L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.3km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.7km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=13.2.
LDG Event type ke. Error ellipse: s-maj=9.7km s-min=5.0km az=65.0.
ISC V 09 02 10 28.2–.94 44.10N–.02 9.86E–.01 11–8 151 0-6
ROM V 09 02 10 27.5–.23 44.15N 9.91E 4–2 2.3L **¶12788519**
ISCJB V 09 02 10 27.5–.28 44.14N–.02 9.87E–.02 15–2 2.3L
CSEM V 09 02 10 28.0–.12 44.13N 9.86E 10 2.8L
GEN V 09 02 10 28.5 44.19N 9.90E 6 2.4L
LDG V 09 02 10 29.2–.11 44.08N 9.95E 5 2.6L
STR V 09 02 10 33.5–.95 44.77N 9.13E 5 2.4L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=10.2.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=1.9km az=14.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=9.0.
STR Event type ke.
ROM V 10 22 46 29.3–.60 44.02N 10.14E 5–3 1.7,1.0L
¶14849184
ROM Event type ke. Error ellipse: s-maj=6.6km s-min=2.0km az=95.0.
ISC V 22 07 39 29.2–1.2 45.10N–.03 12.84E–.02 8–10 124 1-2
ROM V 22 07 39 29.0–.23 45.08N 12.85E 5 2.8,2.2L **¶14370593**
CSEM V 22 07 39 30.5–.18 45.11N 12.83E 20 2.5,2.2L
VIE V 22 07 39 31.1–.72 45.23N 12.86E 10 2.4L,1.7b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=133.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=135.0.
VIE Error ellipse: s-maj=4.6km s-min=2.9km az=179.0. 47 km ESE of Venice .
ROM V 29 15 05 03.2–.19 44.26N 8.39E 10–1 1.9,1.3L
CSEM V 29 15 05 03.2 44.26N 8.39E 10 1.9,1.3L **¶14851275**
ROM Event type ke. Error ellipse: s-maj=4.4km s-min=1.5km az=115.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ISC VI 01 17 55 51.2–.90 44.29N–.02 11.47E–.02 19–2 78 0-3
GEN VI 01 17 55 49.1 44.30N 11.69E 3 2.2L **¶14851622**
ISCJB VI 01 17 55 51.1–.32 44.30N–.03 11.51E–.03 24–4 2.2L
ROM VI 01 17 55 51.0–.18 44.29N 11.46E 22–3 2.5,2.1L
CSEM VI 01 17 55 51.1–.13 44.29N 11.50E 20 2.8L,2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=11.6.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=111.0.
ISC VI 03 01 16 41.5–.99 44.60N–.01 9.39E–.01 4–8 481 0-32
ISCJB VI 03 01 16 39.9–.22 44.61N–.01 9.37E–.01 3–2 3.2b **¶12886830**
GEN VI 03 01 16 40.8 44.67N 9.42E 3 3.1L
CSEM VI 03 01 16 40.9–.08 44.61N 9.40E 2 3.6L
ROM VI 03 01 16 40.5–.18 44.63N 9.41E 2–2 3.1L
LDG VI 03 01 16 41.1–.06 44.64N 9.40E 3 3.4,3.3L
SZGRF VI 03 01 16 42.0 44.59N 9.31E 10 3.3b,3.3L
BGR VI 03 01 16 42.0–.65 44.59N 9.31E 10 3.3L,3.3L
VIE VI 03 01 16 42.3–.44 44.55N 9.49E 13–4 3.3L,2.6b
STR VI 03 01 16 42.4–.48 44.59N 9.43E 10 3.4L,2.6b
IDC VI 03 01 16 43.1–1.4 44.59N 10.08E 0 3.3L,3.2
PRU VI 03 01 16 43.6 44.78N 9.50E 1 3.3L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=159.4.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=168.0.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=18.0.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=14.0.
SZGRF Northern Italy.
BGR Event type ke. Error ellipse: s-maj=12.2km s-min=7.8km az=8.0.
VIE Error ellipse: s-maj=4.1km s-min=2.0km az=177.0. 47 km ENE of Genova .
STR Event type ke.
IDC Error ellipse: s-maj=57.4km s-min=13.7km az=117.0.
ISC VI 12 17 34 09.6–.80 46.47N–.01 12.96E–.01 6–4 179 0-4
ISCJB VI 12 17 34 08.9–.21 46.48N–.01 12.95E–.02 9–2 **¶13077463**
VIE VI 12 17 34 08.7–.09 46.46N 12.94E 8–1 2.3L,1.7b
ROM VI 12 17 34 08.8–.10 46.46N 12.97E 4–1 2.6,2.2L
CSEM VI 12 17 34 09.2–.07 46.47N 12.96E 8 2.7L,2.2L
PRU VI 12 17 34 10.7 46.48N 12.97E 0 2.1,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=19.4.
VIE Error ellipse: s-maj=1.0km s-min=0.5km az=12.0. 8 km SE of Comeglians .
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=30.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=18.0.
ISC VI 18 11 55 16.0–.47 44.58N–.01 10.57E–.01 10 3.7b 465 0-70
IDC VI 18 11 55 14.0–1.2 44.59N 10.50E 0 3.8,3.6L **¶13197404**
ZUR VI 18 11 55 14.1 44.40N 10.57E 8–5 3.7L,3.6L
ISCJB VI 18 11 55 15.5–.14 44.65N–.01 10.61E–.02 10 3.5b,3.6L
GEN VI 18 11 55 15.1 44.65N 10.71E 20 3.2L,3.6L
BGR VI 18 11 55 16.2–.69 44.50N 10.43E 10 4.0L,3.6L
SZGRF VI 18 11 55 16.2 44.50N 10.43E 10 4.0b,3.6L
CSEM VI 18 11 55 16.8–.08 44.60N 10.60E 15 3.9L,3.6L
ROM VI 18 11 55 17.4–.16 44.56N 10.56E 17–3 3.6L,3.6L
LDG VI 18 11 55 17.3–.19 44.52N 10.71E 30 3.7L,3.6L
STR VI 18 11 55 17.7–.49 44.64N 10.50E 10 3.8L,3.6L
PRU VI 18 11 55 19.4 44.80N 10.83E 0 3.8L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=12.6km az=104.0.
ZUR Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=39.5.
BGR Event type ke. Error ellipse: s-maj=13.3km s-min=8.9km az=134.0.
SZGRF Northern Italy.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=131.0.
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=46.0.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=133.0.
STR Event type ke.
ISC VI 18 23 03 02.2–.77 46.68N–.01 10.57E–.01 11–5 268 0-7
ROM VI 18 23 03 01.8–.16 46.68N 10.57E 11–1 2.4L **¶13197418**
VIE VI 18 23 03 01.7–.26 46.67N 10.58E 8 2.8L,2.3b
GEN VI 18 23 03 02.2 46.66N 10.57E 4 2.2L,2.3b
CSEM VI 18 23 03 02.2–.08 46.67N 10.61E 2 3.0L,2.3b
ZUR VI 18 23 03 02.1 46.67N 10.57E 10–1 2.7L,2.3b
LDG VI 18 23 03 03.0–.15 46.56N 10.52E 10 2.4L,2.3b
PRU VI 18 23 03 05.7 46.81N 10.61E 0 2.4L,2.3b
STR VI 18 23 03 10.8–1.1 46.94N 10.10E 10 2.4L,2.3b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=165.0.
VIE Error ellipse: s-maj=2.1km s-min=1.6km az=12.0. 2 km E of Glorenza .
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=1.0.
ZUR Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=44.0.
STR Event type ke.
ISC VI 20 19 19 33.5–.80 46.69N–.02 10.56E–.02 13–5 83 0-3
ISCJB VI 20 19 19 33.7–.46 46.67N–.02 10.59E–.03 12–6 **¶13208523**
VIE VI 20 19 19 33.9–.29 46.67N 10.58E 8–3 2.2L,1.7b
ROM VI 20 19 19 33.8–.12 46.66N 10.56E 11–1 2.2,1.7L
CSEM VI 20 19 19 34.1–.07 46.68N 10.57E 10 2.6L,1.7L
ZUR VI 20 19 19 34.3 46.66N 10.56E 9–1 2.2L,1.7L
PRU VI 20 19 19 37.7 46.81N 10.64E 0 2.2L,1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=32.1.
VIE Error ellipse: s-maj=1.6km s-min=1.4km az=27.0. 2 km E of Glorenza .
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=124.0.
ZUR Event type ke.
ISC VI 20 23 22 26.5–.84 46.68N–.02 10.55E–.02 14–5 57 0-1
ISCJB VI 20 23 22 26.9–.54 46.67N–.02 10.58E–.04 13–6 **¶14370758**
VIE VI 20 23 22 27.6–.33 46.69N 10.58E 5–4 2.2L,1.8b
ROM VI 20 23 22 27.0–.12 46.66N 10.57E 11–0 2.2,1.8L
CSEM VI 20 23 22 27.3–.06 46.68N 10.57E 10 2.7L,1.8L
ZUR VI 20 23 22 27.4 46.66N 10.57E 10–1 2.2L,1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=39.9.
VIE Error ellipse: s-maj=2.1km s-min=1.2km az=171.0. 3 km NE of Glorenza .
ROM Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=166.0.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=129.0.
ZUR Event type ke.
ISC VI 21 04 36 21.6–.86 44.22N–.02 9.95E–.02 10–6 99 0-6
ROM VI 21 04 36 20.8–.14 44.23N 9.95E 6–1 2.2,1.9L **¶13202273**
ISCJB VI 21 04 36 21.2–.28 44.24N–.02 9.95E–.02 15–2 2.2,1.9L
CSEM VI 21 04 36 21.5–.12 44.21N 9.93E 5 2.5L,1.9L
GEN VI 21 04 36 21.6 44.25N 9.94E 1 2.1L,1.9L
LDG VI 21 04 36 23.4–.11 44.14N 10.01E 10 2.6L,1.9L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=1.1km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=23.9.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.1km az=16.0.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=9.0.
ISC VI 21 07 10 58.6–.87 44.23N–.02 9.94E–.02 9–6 88 0-5
ISCJB VI 21 07 10 58.3–.30 44.25N–.03 9.95E–.03 13–3 **¶13202278**
CSEM VI 21 07 10 58.5–.13 44.21N 9.91E 2 2.3L
GEN VI 21 07 10 58.5 44.25N 9.94E 0 2.1L
ROM VI 21 07 10 58.1–.42 44.24N 9.94E 10–4 2.2,1.8L
LDG VI 21 07 11 00.0–.17 44.11N 10.03E 10 2.5L,1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=29.1.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.2km az=15.0.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=22.0.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=5.0.
ISC VI 22 10 02 39.6–.90 46.67N–.02 10.57E–.02 10–6 53 0-1
ISCJB VI 22 10 02 38.9–.64 46.67N–.02 10.58E–.03 14–7 **¶14370779**
ZUR VI 22 10 02 39.8 46.65N 10.55E 9–1 2.1L
VIE VI 22 10 02 39.8–.23 46.69N 10.58E 5–4 2.1L,1.8b
CSEM VI 22 10 02 39.5–.06 46.67N 10.57E 10 2.6L,1.8b
ROM VI 22 10 02 40.1–.36 46.64N 10.51E 11 2.0,1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=136.4.
ZUR Event type ke.
VIE Error ellipse: s-maj=1.6km s-min=1.3km az=151.0. 3 km NE of Glorenza .
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=139.0.
ROM Event type ke. Error ellipse: s-maj=3.9km s-min=1.8km az=58.0.
ISC VI 27 18 57 25.0–.86 44.39N–.01 7.35E–.02 19–2 119 0-4
CSEM VI 27 18 57 25.4–.13 44.38N 7.38E 15 2.5L **¶13324446**
ISCJB VI 27 18 57 25.7–.27 44.37N–.02 7.39E–.03 21–3 2.5L
ROM VI 27 18 57 25.9–.10 44.46N 7.47E 10 2.3,1.8L
LDG VI 27 18 57 26.2–.05 44.36N 7.32E 15 2.5,2.4L
GEN VI 27 18 57 26.0 44.38N 7.38E 12 1.9L,2.4L
STR VI 27 18 57 27.2–.36 44.32N 7.38E 5 2.3L,2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=168.2.
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=37.0.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=71.0.
STR Event type ke.
ISC VI 28 04 14 45.7–.32 44.363N–.01 7.16E–.01 18–1 169 0-7
LDG VI 28 04 14 46.8–.07 44.35N 7.19E 7–0 2.9,2.7L **¶13324506**
ISCJB VI 28 04 14 46.0–.22 44.34N–.01 7.18E–.02 11–2 2.9,2.7L
CSEM VI 28 04 14 46.5–.12 44.34N 7.18E 2 2.9L,2.7L
STR VI 28 04 14 47.3–.11 44.31N 7.18E 5 2.7L,2.7L
GEN VI 28 04 14 47.2 44.34N 7.25E 10 2.2L,2.7L
ROM VI 28 04 14 47.1–.46 44.36N 7.22E 11–1 2.3,2.3L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=150.9.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=61.0.
STR Event type ke.
ROM Event type ke. Error ellipse: s-maj=6.4km s-min=2.0km az=54.0.
ISC VI 28 17 57 28.2–.89 44.26N–.02 9.91E–.01 6–6 3.5b 352 0-70
ISCJB VI 28 17 57 27.4–.21 44.25N–.02 9.93E–.01 9–1 3.3b **¶13307284**
LDG VI 28 17 57 27.5–.07 44.27N 9.90E 5 3.6L,3.3
CSEM VI 28 17 57 27.9–.08 44.25N 9.93E 2 3.7L,3.3
GEN VI 28 17 57 28.1 44.31N 9.96E 4 3.3L,3.3
ROM VI 28 17 57 28.0–.09 44.30N 9.94E 12–0 3.3L,3.3
IDC VI 28 17 57 29.5–1.1 44.44N 9.87E 0 3.6L,3.5
PRU VI 28 17 57 30.6 44.24N 10.19E 10 3.6L,3.5
STR VI 28 17 57 35.8–.60 44.40N 9.35E 10 3.4L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=179.7.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=23.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=3.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=58.0.
IDC Error ellipse: s-maj=30.8km s-min=12.8km az=114.0.
STR Event type ke.

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ISC I 03 09 01 24.4–.74 46.10N–.01 13.65E–.01 13–3 251 0-5
LJU I 03 09 01 23.4 46.09N 13.65E 17 2.6L **¶11594002**
ROM I 03 09 01 23.0–.31 46.12N 13.74E 10–2 2.9,2.7L
CSEM I 03 09 01 23.8–.08 46.10N 13.65E 12 3.2L,2.7L
ISCJB I 03 09 01 23.5–.21 46.08N–.01 13.65E–.01 13–2 3.2L,2.7L
VIE I 03 09 01 23.7–.21 46.10N 13.65E 12–1 2.8L,2.4b
PRU I 03 09 01 25.4 46.13N 13.65E 10 2.8L,2.4b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=19.4.
VIE Error ellipse: s-maj=1.7km s-min=1.5km az=8.0. 11 km SSW of Tolmin .
CSEM I 07 12 42 53.2–.09 46.67N 13.78E 15 1.8L
VIE I 07 12 42 53.5–.28 46.70N 13.78E 6 1.5L,1.2b **¶14301033**
LJU I 07 12 42 53.9 46.65N 13.79E 10 1.1L,1.2b
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=32.0.
VIE Error ellipse: s-maj=3.0km s-min=1.7km az=18.0. 4 km SSW of Afritz .
ISC I 14 00 59 37.0–.95 48.10N–.02 16.58E–.02 13–9 69 0-7
VIE I 14 00 59 37.3–.25 48.06N 16.56E 10–2 2.5L,2.1b **¶11594634**
CSEM I 14 00 59 37.8–.22 48.12N 16.56E 15 2.8L,2.1b
IPEC I 14 00 59 38.0–.10 48.06N 16.61E 10–2 2.0L,2.1b
PRU I 14 00 59 39.6 48.12N 16.43E 10 2.0L,2.1b
ISC Event type ke.
VIE Error ellipse: s-maj=2.0km s-min=1.3km az=106.0. 4 km SW of Enzersdorf a.d. Fischa .
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=126.0.
IPEC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=116.0.
ISC I 15 17 56 32.9–.80 47.32N–.02 10.94E–.01 16–4 113 0-5
LDG I 15 17 56 27.4–.54 47.44N 11.57E 10 2.6L **¶14368808**
ISCJB I 15 17 56 31.5–.30 47.44N–.02 10.99E–.02 15–3 2.6L
ZUR I 15 17 56 32.4 47.25N 10.96E -5–9 2.0L
VIE I 15 17 56 32.4–.43 47.30N 10.93E 13–3 2.2L,1.0b
CSEM I 15 17 56 32.3–.13 47.34N 10.96E 15 2.5L,1.0b
PRU I 15 17 56 33.1 47.35N 10.98E 0 2.5L,1.0b
BGR I 15 17 56 33.7–.33 47.37N 10.95E 10 2.3L,1.0b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=12.2km s-min=7.3km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=152.1.
VIE Error ellipse: s-maj=1.7km s-min=1.3km az=161.0. 11 km W of Telfs .
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=166.0.

BGR Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=11.0.
ISC I 17 12 25 01.0–.83 47.92N–.03 15.83E–.03 6–5 42 0-2
VIE I 17 12 25 00.1–.48 47.88N 15.89E 6–4 2.1L,1.8b ¶11598156
CSEM I 17 12 25 00.7–.14 47.94N 15.82E 2 2.7L,1.8b
PRU I 17 12 25 01.3 47.92N 15.80E 0 2.7L,1.8b
IPEC I 17 12 25 01.1–.07 47.90N 15.84E 0 1.9L,1.8b
ISC Event type ke.
VIE Error ellipse: s-maj=4.6km s-min=2.3km az=120.0. 11 km E of Rohr im Gebirge .
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=121.0.
IPEC Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=118.0.
ISC I 18 16 53 44.1–1.0 48.10N–.02 16.54E–.02 8–10 53 0-4
VIE I 18 16 53 44.4–.27 48.06N 16.62E 4–2 2.4L,1.9b ¶11598178
CSEM I 18 16 53 44.7–.13 48.10N 16.54E 2 2.8L,1.9b
IPEC I 18 16 53 44.8–.15 48.07N 16.61E 14–1 1.7L,1.9b
PRU I 18 16 53 46.0 48.11N 16.43E 15 1.7L,1.9b
ISC Event type fe.
VIE Event type fe. Error ellipse: s-maj=2.6km s-min=1.3km az=99.0. 3 km SSE of Enzersdorf a.d. Fischa . felt 3 ems98 at Schwadorf / LOWER AUSTRIA.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=124.0.
IPEC Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=117.0.
ISC I 25 13 57 38.6–1.3 47.81N–.03 16.19E–.05 15–10 25 0-3
PRU I 25 13 57 38.7 47.81N 16.23E 3 ¶11617545
VIE I 25 13 57 38.8–.34 47.80N 16.18E 8 2.0L
CSEM I 25 13 57 38.8–.23 47.82N 16.17E 10 2.5L
IPEC I 25 13 57 38.8–.17 47.78N 16.21E 8–1 1.7L
ISC Event type ke.
VIE Error ellipse: s-maj=2.7km s-min=2.4km az=12.0. #STATIONS ARSA CONA KRUC MOA 4 km SSE of Bad Fischau .
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=128.0.
IPEC Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=122.0.
ISC II 03 02 30 34.8–.81 46.44N–.01 13.56E–.01 11–5 164 0-5
ROM II 03 02 30 33.6–.30 46.47N 13.60E 4–1 2.3,2.2L ¶11667241
LJU II 03 02 30 34.3 46.45N 13.55E 14 1.9L,2.2L
VIE II 03 02 30 34.8–.11 46.44N 13.58E 11–1 2.4L,2.1b
CSEM II 03 02 30 34.7–.08 46.44N 13.57E 15 2.7L,2.1b
PRU II 03 02 30 39.3 46.53N 13.70E 0 2.7L,2.1b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=46.0.
VIE Error ellipse: s-maj=0.9km s-min=0.8km az=39.0. 11 km N of Bovec .
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=12.0.
ISC II 21 17 38 30.3–1.1 47.71N–.01 15.95E–.02 1–10 103 0-4
PRU II 21 17 38 30.8 47.71N 15.99E 1 ¶11714011
VIE II 21 17 38 30.2–.21 47.66N 15.96E 9–4 2.5L,2.1b
CSEM II 21 17 38 30.2–.12 47.71N 15.97E 2 3.0L,2.1b
IPEC II 21 17 38 30.7–.08 47.68N 16.00E 14–1 2.2L,2.1b
ISC Event type fe.
VIE Event type fe. Error ellipse: s-maj=1.5km s-min=1.2km az=139.0. 3 km SSE of Gloggnitz . felt 4 ems98 at Gloggnitz / LOWER AUSTRIA.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=104.0.
IPEC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=144.0.
CSEM II 22 23 11 02.9–.24 46.29N 13.67E 2 0.4L
LJU II 22 23 11 02.7 46.28N 13.67E 5 0.4L ¶14341749
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.7km az=147.0.
ISC III 26 01 59 33.2–.47 46.31N–.01 13.23E–.01 12–2 196 0-7
LJU III 26 01 59 32.9 46.33N 13.21E 10 2.0L ¶12068365
ISCJB III 26 01 59 33.4–.23 46.31N–.02 13.23E–.02 11–2 2.0L
ROM III 26 01 59 33.4–.11 46.32N 13.25E 8–1 2.8,2.6L
LDG III 26 01 59 33.3–.11 46.32N 13.30E 5 2.4L,2.6L
VIE III 26 01 59 33.3–.11 46.30N 13.24E 11–1 2.7L,1.9b
CSEM III 26 01 59 33.7–.08 46.31N 13.24E 10 2.9L,1.9b
PRU III 26 01 59 35.0 46.33N 13.34E 0 2.9L,1.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=19.3.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=142.0.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=2.2km az=21.0.
VIE Error ellipse: s-maj=1.1km s-min=0.6km az=18.0. 8 km ENE of Gemona .
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=13.0.
VIE III 30 19 48 12.3–.34 46.71N 13.81E 12–6 1.8L,1.7b
CSEM III 30 19 48 12.4–.08 46.67N 13.80E 15 1.9L,1.7b ¶13903739
LJU III 30 19 48 12.9 46.62N 13.81E 13 1.1L,1.7b
ROM III 30 19 48 13.4–.28 46.62N 13.75E 11 1.9,1.4L
VIE Error ellipse: s-maj=6.0km s-min=1.3km az=6.0. 3 km S of Afritz .
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=1.0.
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=106.0.
ISC IV 01 05 23 55.0–.88 47.41N–.01 12.29E–.01 17–7 232 0-9
ISCJB IV 01 05 23 53.1–.23 47.42N–.01 12.31E–.02 6–2 ¶12579624
VIE IV 01 05 23 54.5–.16 47.36N 12.30E 13–2 2.7L,2.0b
CSEM IV 01 05 23 54.5–.08 47.39N 12.30E 10 2.8L,2.0b
BGR IV 01 05 23 55.6–.24 47.37N 12.30E 10 2.5L,2.0b
PRU IV 01 05 23 55.5 47.44N 12.32E 3 2.5,2.0b
LDG IV 01 05 23 56.1–.17 47.35N 12.24E 2 3.0L,2.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=35.1.
VIE Event type fe. Error ellipse: s-maj=1.7km s-min=1.0km az=2.0. 9 km S of Kirchberg in Tirol . felt 3 ems98 at Kirchberg / TYROL.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=35.0.
BGR Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=8.0. Felt in Kirchberg/Tirol.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=1.7km az=39.0.
ISC IV 01 18 04 08.4–.84 46.66N–.02 13.80E–.02 14–6 115 0-4
ISCJB IV 01 18 04 07.6–.33 46.67N–.02 13.80E–.02 12–5 ¶14370308
ROM IV 01 18 04 08.7–.45 46.63N 13.79E 11–4 2.3,2.0L
VIE IV 01 18 04 08.1–.12 46.65N 13.82E 13–1 2.5L,1.7b
CSEM IV 01 18 04 08.1–.08 46.65N 13.80E 15 2.7L,1.7b
LJU IV 01 18 04 08.1 46.65N 13.82E 14 1.9L,1.7b
PRU IV 01 18 04 10.2 46.69N 13.84E 0 1.9L,1.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=161.1.
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=150.0.
VIE Error ellipse: s-maj=1.1km s-min=0.7km az=9.0. 4 km NW of Villach .
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=157.0.
ISC IV 05 22 30 11.0–.94 47.34N–.02 10.85E–.01 5–8 99 0-4
VIE IV 05 22 30 10.4–.11 47.34N 10.87E 8–1 2.1L,1.3b ¶12579658
ROM IV 05 22 30 10.9–.36 47.32N 10.91E 10 2.0,1.4L
CSEM IV 05 22 30 10.8–.11 47.33N 10.87E 5 2.0L,1.4L
BGR IV 05 22 30 12.2–.29 47.36N 10.84E 10 1.8L,1.4L
LDG IV 05 22 30 14.7–.94 47.54N 11.69E 10 2.5L,1.4L
ISC Event type ke.
VIE Error ellipse: s-maj=0.9km s-min=0.7km az=173.0. 7 km SSW of Lermoos .
ROM Event type ke. Error ellipse: s-maj=4.3km s-min=1.7km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=174.0.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=177.0.
LDG Event type ke. Error ellipse: s-maj=23.2km s-min=16.5km az=29.0.
ISC IV 20 06 33 41.2–.75 47.53N–.01 14.46E–.01 7–6 564 0-119
MOS IV 20 06 33 40.6–.79 47.42N 14.48E 10 4.4b ¶12610915
GEN IV 20 06 33 41.2 47.66N 14.54E 4 4.3L
CSEM IV 20 06 33 41.7–.07 47.51N 14.48E 2 4.4L
IPEC IV 20 06 33 42.5–.10 47.50N 14.57E 8–0 3.6L
VIE IV 20 06 33 42.0–.15 47.46N 14.47E 9–2 4.1L,3.4b
BGR IV 20 06 33 43.2–.24 47.50N 14.47E 10 4.2L,3.4b
IDC IV 20 06 33 43.4–1.1 47.56N 14.41E 0 3.8,3.8L
PRU IV 20 06 33 43.0 47.58N 14.56E 3 4.1,3.8L
LDG IV 20 06 33 43.1–.10 47.63N 14.55E 10 4.0L,3.8L
STR IV 20 06 33 49.9–.30 47.50N 13.90E 10 4.0L,3.8L
BNS IV 20 06 33 53.0–.31 47.92N 13.94E 14–0 3.7L,3.8L
ISC Event type fe.
MOS Error ellipse: s-maj=8.3km s-min=4.9km az=77.7.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=139.0.
IPEC Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=163.0.
VIE Event type fe. Error ellipse: s-maj=1.3km s-min=1.2km az=49.0. 4 km SSW of Trieben . felt 5 ems98 at Trieben / STYRIA.

BGR Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=57.0. Strongly felt. Items toppled down, slight damage of plaster.
IDC Error ellipse: s-maj=15.1km s-min=11.2km az=153.0.
PRU Felt In Vyssi Brod.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=171.0.
STR Event type ke.
BNS Event type ke.
ISC IV 20 10 54 28.8–.90 46.45N–.01 13.40E–.01 3–7 116 0-8
LJU IV 20 10 54 27.7 46.47N 13.40E 18 1.7L ¶14370419
ROM IV 20 10 54 27.9–.10 46.45N 13.37E 6–1 2.4,2.2L
VIE IV 20 10 54 28.2–.12 46.46N 13.41E 10–1 2.3L,1.9b
CSEM IV 20 10 54 28.4–.09 46.46N 13.40E 5 2.6L,1.9b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=129.0.
VIE Error ellipse: s-maj=1.1km s-min=0.9km az=32.0. 10 km SE of Pontebba .
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=8.0.
ISC V 06 14 33 56.2–.99 47.58N–.02 13.58E–.02 10–9 79 1-3
VIE V 06 14 33 55.4–.18 47.57N 13.59E 3–3 2.1L,1.9b ¶12793996
CSEM V 06 14 33 55.7–.15 47.59N 13.59E 2 2.8L,1.9b
BGR V 06 14 33 56.8–.30 47.56N 13.54E 10 2.2L,1.9b
PRU V 06 14 33 56.7 47.59N 13.59E 2 2.2,1.9b
ISC Event type ke.
VIE Error ellipse: s-maj=1.5km s-min=1.1km az=156.0. 5 km WNW of Hallstatt .
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=121.0.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=84.0.
ISC V 06 22 45 19.1–1.0 48.82N–.02 14.05E–.02 7–9 92 0-3
VIE V 06 22 45 18.2–.29 48.79N 14.05E 8–5 2.4L,1.8b ¶13917771
CSEM V 06 22 45 18.7–.12 48.81N 14.03E 2 3.0L,1.8b
BGR V 06 22 45 19.2–.31 48.82N 14.03E 10 2.2L,1.8b
IPEC V 06 22 45 19.4–.07 48.80N 14.03E 0–0 1.8L,1.8b
PRU V 06 22 45 20.0 48.81N 14.07E 0 1.8L,1.8b
ISC Event type ke.
VIE Error ellipse: s-maj=2.8km s-min=1.8km az=40.0. 17 km NNE of Aigen im Muehlkreis .
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=52.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=87.0.
IPEC Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=177.0.
PRU Event type ke. Tectonic Event Near Lipno-felt In Horni Plana, Manava, Pernek.
ISC V 07 21 27 14.9–.56 47.61N–.01 15.64E–.01 14–3 4.2b,3.5s 1116 0-86
BJI V 07 21 27 08.8 47.45N 14.73E 10 4.8b,4.5s ¶12784416
BEO V 07 21 27 11.5–.87 47.77N 15.68E 1–6 4.2L,4.5s
MOS V 07 21 27 12.4–.96 47.57N 15.65E 10 4.4b,4.5s
NEIC V 07 21 27 12.6 47.57N 15.68E 12 4.5L,4.3L
LDG V 07 21 27 12.6–.09 47.56N 15.84E 2 4.5L,4.5
VIE V 07 21 27 12.8–.32 47.58N 15.69E 12 4.3L,3.7b
IPEC V 07 21 27 13.4–.08 47.60N 15.74E 6–0 4.3L,3.7b
PRU V 07 21 27 13.4 47.62N 15.76E 0 4.1,3.7b
PDG V 07 21 27 13.2–.59 47.59N 15.76E 10–1 4.0L,3.7b
IDC V 07 21 27 13.4–.57 47.54N 15.68E 0 4.1,4.0
CSEM V 07 21 27 13.5–.05 47.60N 15.71E 2 4.8L,4.2W
BGR V 07 21 27 15.7–.28 47.59N 15.65E 10 4.6L,4.2W
BNS V 07 21 27 16.7–.38 47.86N 15.85E 10 4.5L,4.2W
STR V 07 21 27 23.9–.55 47.54N 14.59E 5 4.5L,4.2W
ISC Event type fe.
BEO Event type ke.
MOS Error ellipse: s-maj=3.7km s-min=3.2km az=144.9.
NEIC Event type fe. Felt [II] at Vienna. Also felt at Bruck an der Mur, Gleisdorf, Graz, Kindberg, Murzzuschlag and Weiz. After VIE. Moment Tensor Solution. $M_0 2.30000 \times 10^{15}$
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=9.0.
VIE Event type fe. Error ellipse: s-maj=3.5km s-min=1.9km az=123.0. 4 km SSE of Mrzzuschlag . felt 6 ems98 at Mrzzuschlag / STYRIA.
IPEC Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=128.0.
PRU Felt In Bystrice N. Pernstejnem.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
IDC Error ellipse: s-maj=10.4km s-min=7.5km az=22.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=171.0.
BGR Event type fe. Error ellipse: s-maj=5.6km s-min=4.4km az=99.0. Slight damage of buildings in Muerzzuschlag and Spital, e.g. cracks in walls, plaster fell off.
BNS Event type ke.
STR Event type ke.
LJU V 17 02 52 56.3 46.39N 13.68E 9 0.6L
CSEM V 17 02 52 56.3 46.39N 13.68E 0 0.6L ¶14702511
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
LJU VI 02 02 34 24.6 46.27N 13.63E 11 0.5L
¶14702932
ISC VI 23 19 23 44.2–.76 46.42N–.02 13.10E–.01 13–4 148 0-3
VIE VI 23 19 23 43.6–.22 46.44N 13.10E 8 2.3L,1.7b ¶14370798
ROM VI 23 19 23 43.4–.13 46.42N 13.09E 6–1 2.5,2.2L
CSEM VI 23 19 23 43.3–.10 46.42N 13.11E 17–1 2.7L,2.2L
ISC Event type ke.
VIE Error ellipse: s-maj=2.3km s-min=1.2km az=16.0. 7 km ENE of Tolmezzo .
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=9.0.
VIE VI 25 18 45 32.2–.79 47.33N 11.25E 12–5 1.0L
¶14370812
VIE Error ellipse: s-maj=3.2km s-min=1.8km az=29.0. 5 km E of Seefeld .
ISC VI 25 22 31 54.4–.86 46.45N–.01 13.60E–.01 4–6 190 0-5
ROM VI 25 22 31 53.7–.24 46.43N 13.58E 6–2 2.2L ¶13279134
LJU VI 25 22 31 53.6 46.46N 13.57E 14 1.9L
ISCJB VI 25 22 31 54.1–.23 46.46N–.01 13.58E–.02 8–3 1.9L
CSEM VI 25 22 31 54.4–.10 46.44N 13.58E 2 2.8L
VIE VI 25 22 31 54.7–.22 46.45N 13.59E 3–6 2.5L,2.2b
PRU VI 25 22 31 56.2 46.48N 13.60E 0 2.5L,2.2b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=103.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=29.3.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=32.0.
VIE Error ellipse: s-maj=2.0km s-min=1.4km az=13.0. 13 km NNE of Bovec .
ISC VI 26 05 15 23.3–1.1 47.60N–.03 15.74E–.05 5–10 45 0-3
CSEM VI 26 05 15 22.8–.29 47.60N 15.80E 2 2.6L ¶13306739
PRU VI 26 05 15 23.4 47.58N 15.83E 0 2.0
IPEC VI 26 05 15 23.4–.15 47.61N 15.76E 6–2 1.8L
VIE VI 26 05 15 23.1–.42 47.59N 15.74E 7–10 2.1L,1.8b
ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=2.7km az=109.0.
IPEC Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=129.0.
VIE Event type fe. Error ellipse: s-maj=4.5km s-min=2.3km az=116.0. 3 km SSW of Spital am Semmering . felt 4 ems98 at Mrzzuschlag / STYRIA.

(547) Czech and Slovak Republics.

PRU V 31 21 04 06.4 49.51N 17.57E 7
CSEM V 31 21 04 11.6–1.3 49.86N 17.63E 2 ¶12871076
PRU Event type ke. Tectonic Event Near Prerov.
CSEM Event type ke. Error ellipse: s-maj=26.9km s-min=18.6km az=171.0.
PRU V 31 21 04 17.6 49.54N 17.46E 9
CSEM V 31 21 04 17.6 49.54N 17.46E 9 ¶12871077
PRU Event type ke. Tectonic Event Near Prerov.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.

(548) Poland.

ISC V 29 14 57 22.2–1.1 49.32N–.03 19.60E–.02 1–10 42 0-4
CSEM V 29 14 57 22.9–.20 49.32N 19.61E 2 2.8L ¶12871050
PRU V 29 14 57 23.8 49.34N 19.63E 0 2.8L
IPEC V 29 14 57 23.4–.12 49.30N 19.65E 1–1 1.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=14.0.
PRU Orava.
IPEC Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=53.0.

(549) Hungary.

ISC III 27 21 48 28.6–.91 47.12N–.04 18.19E–.06 14–10 26 0-1
ISCJB III 27 21 48 28.3–.99 47.16N–.04 18.09E–.10 22–6 ¶15996842

CSEM III 27 21 48 28.5 47.12N 18.23E 12 1.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=7.0km az=8.3.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUD.
CSEM V 28 11 25 27.0–.58 48.08N 21.17E 15 2.0L
¶16375298
CSEM Event type ke. Error ellipse: s-maj=12.6km s-min=8.2km az=168.0.

SEISMIC REGION 37.
Africa.

(551) Southern Algeria.

IDC IV 30 04 23 10.6–1.2 27.59N 4.42E 0 3.7,3.5
¶16154652
IDC Error ellipse: s-maj=29.2km s-min=21.1km az=108.0.

(554) Red Sea.

ISC I 01 01 39 21.8–.62 17.18N–.05 40.55E–.04 11–3 4.6b,4.3s 434 3-122
BJI I 01 01 39 15.5 17.05N 39.86E 10 5.3b,4.9s **¶11528162**
DHMR I 01 01 39 18.2–.97 17.17N 40.64E 14 4.6b,4.5L
MOS I 01 01 39 19.6–.94 17.14N 40.51E 10 4.9b,4.5L
ISCJB I 01 01 39 19.9–1.2 17.10N–.04 40.46E–.03 12–7 4.6b,4.2s
IDC I 01 01 39 20.1–.71 17.23N 40.56E 0 4.4,4.3
NEIC I 01 01 39 21.9–.27 17.22N 40.52E 10 4.6b,4.3
CSEM I 01 01 39 23.3–.13 17.19N 40.51E 20 5.0s,5.0W
ISC Event type ke.
DHMR Error ellipse: s-maj=18.1km s-min=9.5km az=-1.0.
MOS Error ellipse: s-maj=10.2km s-min=4.7km az=104.7.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.9km az=25.0.
IDC Error ellipse: s-maj=17.5km s-min=15.8km az=159.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.2km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=21.0.
ISC I 01 01 51 27.3–.75 17.2N–.10 40.49E–.10 10 4.1b,3.7s 47 6-122
IDC I 01 01 51 25.5–1.1 17.20N 40.47E 0 4.1,4.0 **¶12079721**
ISCJB I 01 01 51 25.8–.62 17.19N–.09 40.37E–.05 10 4.1b,3.8s
VIE I 01 01 51 35.7 17.29N 40.51E 75 3.8b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=18.4km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=7.2km az=11.8.
VIE 264 km WSW of Khamis-Mushait .
IDC I 17 19 43 58.6–2.1 18.89N 39.18E 0 3.8b,3.8
¶12081566
IDC Error ellipse: s-maj=63.7km s-min=25.4km az=156.0.
IDC I 23 00 43 18.9–2.8 19.06N 39.19E 0 3.6,3.6
¶12082089
IDC Error ellipse: s-maj=73.1km s-min=31.7km az=149.0.
ISC I 23 16 57 27.7–1.4 27.6N–.10 34.8E–.20 10 3.6b 18 2-58
IDC I 23 16 57 25.3–1.8 27.55N 34.67E 0 3.8b,3.8 **¶12082150**
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=26.1km az=50.0.
IDC II 05 10 53 39.6–2.7 18.96N 39.32E 0 3.6,3.6
¶15955063
IDC Error ellipse: s-maj=75.6km s-min=29.8km az=153.0.
IDC II 05 10 59 35.2–2.6 18.32N 39.59E 0 3.8s,3.8
¶15955064
IDC Error ellipse: s-maj=71.6km s-min=28.3km az=153.0.
ISC II 05 17 34 00.3–.62 19.12N–.07 39.22E–.07 24–3 4.5b,4.0s 192 8-120
BJI II 05 17 33 48.9 18.57N 38.36E 10 5.1b,4.7s **¶12699614**
MOS II 05 17 33 56.4–1.2 19.07N 39.22E 10 4.6b,4.7s
IDC II 05 17 33 56.5–.67 19.08N 39.21E 0 4.3,4.2
NEIC II 05 17 33 58.2–.44 19.06N 39.18E 10 4.6b,4.2
CSEM II 05 17 34 01.2–.24 19.04N 39.20E 30 4.5b,4.2
ISC Event type ke.
MOS Error ellipse: s-maj=12.5km s-min=6.2km az=84.0.
IDC Error ellipse: s-maj=17.9km s-min=13.2km az=147.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.7km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=7.9km az=79.0.
ISC II 05 21 36 15.5–.52 19.17N–.05 39.16E–.05 23–3 4.7b,4.2s 345 8-120
BJI II 05 21 36 08.5 18.94N 38.88E 10 5.2b,4.8s **¶11667342**
IDC II 05 21 36 11.3–.68 19.05N 39.23E 0 4.3,4.2
MOS II 05 21 36 12.1–1.1 19.18N 39.16E 9 4.8b,4.0s
NEIC II 05 21 36 13.8–.29 19.17N 39.15E 10 4.8b,4.0s
ISCJB II 05 21 36 13.9–1.2 19.13N–.04 39.16E–.03 25–8 4.6b,4.1s
CSEM II 05 21 36 14.0–.18 19.17N 39.18E 10 4.9s,4.9W
ISC Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=14.5km az=148.0.
MOS Error ellipse: s-maj=9.8km s-min=4.8km az=93.7.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.4km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=14.4.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=5.9km az=26.0.
ISC II 06 03 27 56.4–.49 18.98N–.06 39.25E–.05 15–2 4.6b,4.0s 229 7-96
DHMR II 06 03 27 29.8–3.6 20.90N 38.64E 0–999 4.6b,4.0s **¶11667354**
BJI II 06 03 27 49.3 18.91N 38.52E 10 5.0b,4.7s
ISCJB II 06 03 27 54.9–.38 19.00N–.05 39.20E–.04 16 4.5b,4.0s
MOS II 06 03 27 54.0–1.1 19.00N 39.17E 10 4.6b,4.0s
IDC II 06 03 27 54.3–.76 19.07N 39.16E 0 4.3,4.2
NEIC II 06 03 27 56.1–.37 19.04N 39.16E 10 4.5b,4.2
CSEM II 06 03 27 56.0–.27 19.05N 39.19E 10 4.5b,4.2
ISC Event type ke.
DHMR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.4km az=15.5.
MOS Error ellipse: s-maj=11.4km s-min=6.0km az=85.6.
IDC Error ellipse: s-maj=18.8km s-min=16.0km az=154.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=7.3km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=7.9km az=25.0.
IDC II 06 09 15 58.2–2.9 18.98N 39.35E 0 3.5,3.5
¶15955137
IDC Error ellipse: s-maj=72.9km s-min=33.1km az=151.0.
ISC II 11 03 56 27.4–1.5 19.0N–.20 39.2E–.10 13 4.1b,3.5s 29 8-91
IDC II 11 03 56 25.8–1.8 19.03N 39.18E 0 3.9,3.9b **¶12699949**
ISCJB II 11 03 56 26.3–1.1 19.1N–.20 39.2E–.10 13 4.0b,3.6s
NEIC II 11 03 56 26.9–.92 18.95N 39.23E 10 4.2b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=20.8km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=12.9km az=165.8.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=11.6km az=167.0.
ISC III 10 06 59 40.6–1.3 18.3N–.20 39.8E–.10 10 4.0b,3.6s 30 7-97
IDC III 10 06 59 39.4–1.6 18.38N 39.82E 0 4.0,3.9 **¶13435892**
NEIC III 10 06 59 42.6–.81 18.61N 39.84E 10 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=21.7km az=164.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=15.6km az=138.0.
IDC III 11 08 25 30.6–4.6 17.89N 39.47E 0 3.8b,3.8
¶12702959
IDC Error ellipse: s-maj=164.6km s-min=26.5km az=152.0.
IDC VI 13 13 57 35.1–2.5 18.83N 39.29E 0 3.8,3.8b
¶16101278
IDC Error ellipse: s-maj=70.0km s-min=26.5km az=153.0.
IDC VI 13 14 04 19.6–1.8 18.83N 39.29E 0 3.9b,3.9
¶16101279
IDC Error ellipse: s-maj=48.3km s-min=22.9km az=161.0.
IDC VI 14 17 41 23.6–6.2 19.11N 39.14E 76–53 3.6,3.6
¶13077639
IDC Error ellipse: s-maj=35.3km s-min=18.6km az=170.0.
IDC VI 14 18 09 54.6–2.6 19.01N 39.24E 0 3.3b
¶16101331
IDC Error ellipse: s-maj=73.4km s-min=28.6km az=152.0.
CSEM VI 16 04 02 12.2–.62 27.44N 34.70E 10 4.1b
¶14395131
CSEM Event type ke. Error ellipse: s-maj=24.8km s-min=11.4km az=89.0.
IDC VI 16 05 29 32.1–2.9 18.82N 39.29E 0 3.6,3.6
¶16101393
IDC Error ellipse: s-maj=72.9km s-min=33.5km az=149.0.
IDC VI 24 05 39 37.9–13 23.50N 36.76E 0 3.9b,3.8
¶16101680
IDC Error ellipse: s-maj=258.1km s-min=51.0km az=28.0.

(555) Western Arabian Peninsula.

DHMR I 08 09 58 17.0–1.6 13.88N 44.69E 4–10 3.5L
CSEM I 08 09 58 17.0 13.88N 44.69E 4 3.5L **¶14383217**
DHMR Error ellipse: s-maj=3.0km s-min=2.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR I 15 16 58 13.6–.79 14.55N 42.47E 54–21 3.6L
CSEM I 15 16 58 13.6 14.55N 42.47E 54 3.6L **¶14383238**
DHMR Error ellipse: s-maj=3.2km s-min=13.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR II 05 16 33 33.7–1.1 12.12N 43.94E 5–5 3.8L
CSEM II 05 16 33 33.7 12.12N 43.94E 4 3.8L **¶14383402**
DHMR Error ellipse: s-maj=5.0km s-min=4.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR II 07 15 59 20.6–1.0 12.11N 44.05E 9–6 3.5L
CSEM II 07 15 59 20.6 12.11N 44.05E 8 3.5L **¶14383481**
DHMR Error ellipse: s-maj=5.5km s-min=3.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR II 08 23 36 42.8–.91 12.22N 44.12E 8–6 3.8L
CSEM II 08 23 36 42.8 12.22N 44.12E 7 3.8L **¶14383497**
DHMR Error ellipse: s-maj=5.0km s-min=3.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR IV 09 19 14 12.1–1.0 15.53N 45.75E 30–7 4.2L
CSEM IV 09 19 14 12.1 15.53N 45.75E 29 4.2L **¶15177782**
DHMR Error ellipse: s-maj=4.4km s-min=5.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
CSEM V 13 18 35 48.2–2.0 25.28N 37.45E 2 3.7L
¶14393364
CSEM Event type ke. Error ellipse: s-maj=52.4km s-min=10.4km az=121.0.
CSEM V 13 21 40 51.2–1.6 23.95N 38.93E 10 4.1b
¶14393367
CSEM Event type ke. Error ellipse: s-maj=34.5km s-min=19.8km az=115.0.
ISC V 13 23 05 59.9–.92 25.41N–.05 37.38E–.07 10 3.5b 53 2-58
NSSC V 13 23 05 20.4–1.7 22.64N 37.11E 286–183 4.2L **¶15741845**
IDC V 13 23 05 58.5–1.4 25.34N 37.51E 0 3.7,3.7L
CSEM V 13 23 05 59.6–1.1 25.12N 37.63E 100 4.8b,3.7L
ISC Event type ke.
NSSC Error ellipse: s-maj=40.2km s-min=44.7km az=-1.0.
IDC Error ellipse: s-maj=24.3km s-min=20.7km az=69.0.
CSEM Event type ke. Error ellipse: s-maj=28.0km s-min=7.8km az=131.0.
ISC V 15 10 27 53.9–1.4 25.3N–.10 37.8E–.10 10 12 4-10
ISCJB V 15 10 27 51.3–.98 25.3N–.10 37.79E–.07 10 **¶15969013**
CSEM V 15 10 27 53.5–1.3 25.25N 37.83E 15 3.5L
HLW V 15 10 27 55.5 25.25N 37.84E 20–11 3.5L,0.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.8km s-min=8.3km az=169.2.
CSEM Event type ke. Error ellipse: s-maj=36.4km s-min=7.2km az=121.0.
DHMR V 17 00 31 49.6–1.1 12.10N 44.00E 15–4 3.5L
CSEM V 17 00 31 49.6 12.10N 44.00E 14 3.5L **¶15179086**
DHMR Error ellipse: s-maj=5.1km s-min=4.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR V 17 02 15 59.5–1.4 12.09N 43.97E 5–6 3.9L
CSEM V 17 02 15 59.5 12.09N 43.97E 4 3.9L **¶15179089**
DHMR Error ellipse: s-maj=6.5km s-min=5.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
IDC V 17 14 39 46.5–1.3 25.36N 37.62E 0 4.2L,3.7
¶16155844
IDC Error ellipse: s-maj=22.9km s-min=18.4km az=58.0.
ISC V 17 16 39 56.8–1.3 25.8N–.10 37.9E–.10 10 3.5b 36 5-41
CSEM V 17 16 39 22.2–1.3 22.74N 36.66E 10 4.7b **¶13679123**
KISR V 17 16 39 42.0–.31 25.21N 37.61E 2 4.4L
IDC V 17 16 39 52.9–1.4 25.47N 37.68E 0 3.7,3.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=33.7km s-min=12.3km az=35.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=22.7km s-min=18.8km az=57.0.
ISC V 17 19 20 08.8–.60 25.44N–.05 37.56E–.06 10 3.9b 123 2-58
KISR V 17 19 19 58.2–.37 25.21N 37.61E 2 4.5L **¶13679134**
NSSC V 17 19 20 05.6–2.7 25.26N 36.14E 0–725 3.4L
ISCJB V 17 19 20 06.2–.49 25.34N–.05 37.68E–.04 10 3.8b
CSEM V 17 19 20 06.5–.25 25.26N 37.64E 2 2.9L
IDC V 17 19 20 07.5–1.1 25.30N 37.63E 0 3.9,3.8
NEIC V 17 19 20 08.9–.60 25.38N 37.75E 10 4.0b,3.8
ISC Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NSSC Error ellipse: s-maj=999.9km s-min=165.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.3km az=167.4.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.4km az=174.0.
IDC Error ellipse: s-maj=19.8km s-min=17.3km az=171.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.5km az=211.0.
ISC V 17 19 50 06.9–.31 25.24N–.03 37.60E–.03 10 4.5b,4.4s 412 0-95
NSSC V 17 19 49 56.0–2.3 24.73N 38.09E 0–288 4.5L,4.4s **¶13439667**
SZGRF V 17 19 49 57.0 22.99N 36.04E 33 4.5b,4.4s
ISCJB V 17 19 50 05.0–.20 25.27N–.02 37.63E–.02 10 4.4b,4.2s
CSEM V 17 19 50 05.1–.16 25.23N 37.67E 2 4.8s,4.6b
IDC V 17 19 50 06.5–.57 25.37N 37.60E 0 4.3,4.2
BJI V 17 19 50 06.6 25.40N 37.70E 10 5.0b,4.7s
NEIC V 17 19 50 06.2–.33 25.21N 37.60E 10 4.6b,4.7s
HLW V 17 19 50 07.3 25.30N 37.47E 7–7 3.5,3.3L
MOS V 17 19 50 09.5–1.1 25.41N 37.63E 33 4.8b,3.3L
ISC Event type de.
NSSC Error ellipse: s-maj=423.4km s-min=24.5km az=-1.0.
SZGRF Sudan.
ISCJB Event type de. Error ellipse: s-maj=3.5km s-min=2.6km az=31.1.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=16.0.
IDC Error ellipse: s-maj=14.7km s-min=11.0km az=93.0.
NEIC Event type de. Error ellipse: s-maj=5.5km s-min=5.1km az=183.0. Some houses collapsed or damaged at Umm Lajj. Felt in the Al 'Ays area and at Medina and Yanbu' al Bahr. Some people reported a pungent odor from the volcanic fields in the area.
MOS Error ellipse: s-maj=10.4km s-min=4.5km az=95.5.
ISC V 17 20 21 07.4–.66 25.24N–.06 37.72E–.06 10 3.9b 130 3-58
ISCJB V 17 20 21 05.7–.54 25.32N–.05 37.60E–.05 10 3.9b **¶13439668**
CSEM V 17 20 21 05.5–.27 25.22N 37.63E 2 4.1b
IDC V 17 20 21 06.4–1.2 25.29N 37.66E 0 3.9,3.8
NEIC V 17 20 21 07.7–.61 25.34N 37.72E 10 4.0b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.4km az=145.6.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.6km az=153.0.
IDC Error ellipse: s-maj=25.2km s-min=16.0km az=160.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.4km az=200.0.
DHMR V 18 03 35 49.7–4.7 12.01N 43.91E 7–43 3.5L
CSEM V 18 03 35 49.7 12.01N 43.91E 6 3.5L **¶15179093**
DHMR Error ellipse: s-maj=29.7km s-min=21.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC V 18 07 41 06.6–.69 25.48N–.05 37.57E–.08 10 4.0b 93 3-58
ISCJB V 18 07 41 03.9–.58 25.37N–.05 37.68E–.06 10 4.0b,3.1s **¶13679161**
IDC V 18 07 41 04.9–1.2 25.47N 37.78E 0 4.0,3.9
CSEM V 18 07 41 04.5–.34 25.35N 37.71E 2 4.3b,3.9
NEIC V 18 07 41 06.4–.56 25.45N 37.80E 10 4.1b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.9km az=39.0.
IDC Error ellipse: s-maj=20.7km s-min=17.1km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=6.7km az=123.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.6km az=96.0.
ISC V 18 07 47 56.3–.75 25.54N–.08 37.64E–.08 10 4.0b,3.3s 79 5-90
ISCJB V 18 07 47 53.4–.69 25.41N–.08 37.73E–.06 10 4.0b,3.3s **¶13439682**

IDC V 18 07 47 54.6–1.1 25.40N 37.59E 0 4.0,4.0b
CSEM V 18 07 47 54.0–.39 25.40N 37.70E 2 4.3b,4.0b
NEIC V 18 07 47 55.5–.78 25.39N 37.59E 10 4.4b,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=8.2km az=6.3.
IDC Error ellipse: s-maj=18.8km s-min=16.4km az=114.0.
CSEM Event type ke. Error ellipse: s-maj=13.7km s-min=9.4km az=173.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.9km az=112.0.
IDC V 18 07 59 18.4–1.6 25.42N 37.56E 0 3.8,3.7
¶16155865
IDC Error ellipse: s-maj=28.9km s-min=25.1km az=134.0.
ISC V 18 13 25 41.5–1.6 25.62N–.09 37.0E–.10 10 3.7b,3.2s 33 3-58
IDC V 18 13 25 35.6–1.2 25.48N 37.72E 0 3.9,3.8L **¶13679183**
HLW V 18 13 25 46.5 25.58N 36.90E 32–33 3.4L,0.0
CSEM V 18 13 25 48.2–.98 25.64N 36.72E 30 3.4L,0.0
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=17.2km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=27.1km s-min=7.4km az=109.0.
HLW V 18 19 00 31.0 25.14N 37.94E 12–31 3.8L,3.1
¶15969016
ISC V 19 01 51 32.3–.47 25.13N–.05 37.75E–.05 10 4.2b,3.3s 213 3-90
ISCJB V 19 01 51 30.8–.41 25.29N–.05 37.68E–.04 10 4.1b,3.4s **¶13679215**
CSEM V 19 01 51 31.1–.25 25.24N 37.64E 2 4.2b,3.4s
IDC V 19 01 51 31.4–.71 25.28N 37.80E 0 4.0,4.0b
NEIC V 19 01 51 33.0–.43 25.31N 37.73E 10 4.3b,4.0b
MOS V 19 01 51 34.7–1.1 25.35N 37.67E 33 4.4b,4.0b
HLW V 19 01 51 38.7 25.41N 37.06E 10–31 3.5L,0.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.9km az=170.6.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.9km az=165.0.
IDC Error ellipse: s-maj=15.2km s-min=13.9km az=141.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=7.1km az=54.0.
MOS Error ellipse: s-maj=13.1km s-min=6.1km az=86.7.
HLW V 19 02 26 45.5 25.20N 37.54E 10–31 3.6L,2.7
¶15969017
HLW V 19 03 28 41.1 25.16N 37.49E 20–8 3.8L,3.2
¶15969018
ISC V 19 06 38 32.5–.60 25.24N–.03 37.76E–.02 11–3 4.6b,4.1s 451 0-94
BJI V 19 06 38 26.3 25.11N 37.06E 10 5.0s,5.0b **¶13439705**
HLW V 19 06 38 30.0 25.05N 37.87E 5–31 5.2L,0.0
ISCJB V 19 06 38 31.1–.20 25.27N–.03 37.75E–.02 10 4.5b,4.2s
CSEM V 19 06 38 31.6–.15 25.28N 37.78E 2 5.0W,4.7b
IDC V 19 06 38 31.4–.59 25.34N 37.75E 0 4.4,4.4
NEIC V 19 06 38 32.5–.27 25.21N 37.77E 10 4.9b,4.4
GCMT V 19 06 38 33.3–.30 25.18N 37.79E 12 4.9W,4.4
TEH V 19 06 38 33.0 25.11N 37.79E 10 4.9L,4.4
MOS V 19 06 38 34.9–.76 25.33N 37.75E 33 4.7b,4.4
NSSC V 19 06 38 43.1–1.9 26.21N 37.51E 0–562 4.6L,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.6km az=18.3.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=28.0.
IDC Error ellipse: s-maj=13.2km s-min=11.5km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=4.4km az=211.0. Felt at Yanbu‘ al Bahr.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s17,c17; s70,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.39±.07 $M_{\theta\theta}$0.77±.07; $M_{\phi\phi}$1.62±.06; $M_{r\theta}$-0.58±.28; $M_{\theta\phi}$-1.10±.05; $M_{\phi r}$-0.06±.27; Best double couple: NP1:ϕ_s337.00000°,δ43.00000°,λ-73.00000°. NP2:ϕ_s134.00000°,δ49.00000°,λ-105.00000°. Principal axes: T 2.3900,Plg3.0000° ,Azm235.0000°; N 0.1200,Plg11.0000°,Azm144.0000°; P -2.5100,Plg78.0000° ,Azm341.0000° $M_0$2.50000×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=4.2km az=106.6.
NSSC Error ellipse: s-maj=817.4km s-min=76.0km az=-1.0.
IDC V 19 16 44 08.3–2.7 24.89N 37.89E 0 3.7,3.7
¶16155912
IDC Error ellipse: s-maj=88.7km s-min=23.3km az=158.0.
ISC V 19 16 54 31.3–.37 25.24N–.03 37.71E–.03 13–1 4.9b,4.3s 941 3-122
BJI V 19 16 54 22.4 24.91N 36.83E 10 5.1b,5.0s **¶13065876**
ISCJB V 19 16 54 29.9–.18 25.30N–.02 37.74E–.02 14 4.8b,4.3s
CSEM V 19 16 54 29.9–.09 25.29N 37.75E 2 5.0W,4.9b
IDC V 19 16 54 29.3–.52 25.24N 37.78E 0 4.6,4.6
DJA V 19 16 54 30.6–.50 25N–8.0 38E–7.0 10 6.4,5.9b
GCMT V 19 16 54 31.7–.20 25.20N 37.76E 12 5.0W,5.9b
NEIC V 19 16 54 31.1–.25 25.25N 37.70E 10 5.1b,5.9b
HLW V 19 16 54 32.0 25.29N 37.56E 9–10 3.4L,0.0
MOS V 19 16 54 33.0–.76 25.35N 37.74E 33 5.1b,0.0
SZGRF V 19 16 54 35.2 25.62N 37.94E 33 5.2b,0.0
TEH V 19 16 54 35.0 25.24N 37.74E 35 4.9L,0.0
NSSC V 19 16 54 43.5–1.9 26.41N 38.07E 0–166 4.8L,0.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.1km az=7.4.
CSEM Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=11.7km az=39.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c37; s75,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.14±.09 $M_{\theta\theta}$1.21±.09; $M_{\phi\phi}$2.94±.09; $M_{r\theta}$0.08±.35; $M_{\theta\phi}$-1.95±.07; $M_{\phi r}$-0.44±.29; Best double couple: NP1:ϕ_s145.00000°,δ42.00000°,λ-94.00000°. NP2:ϕ_s329.00000°,δ48.00000°,λ-87.00000°. Principal axes: T 4.2300,Plg3.0000° ,Azm57.0000°; N -0.0500,Plg2.0000°,Azm147.0000°; P -4.1700,Plg86.0000°,Azm278.0000° $M_0$4.20000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.9km az=6.0. Felt at Yanbu‘ al Bahr.
MOS Error ellipse: s-maj=6.8km s-min=3.2km az=110.6.
SZGRF Western Arabian Peninsula.
NSSC Error ellipse: s-maj=246.2km s-min=21.4km az=-1.0.
ISC V 19 17 13 28.8–1.1 25.21N–.03 37.72E–.03 11–7 4.2b 251 0-93
CSEM V 19 17 13 27.6–.15 25.23N 37.73E 2 4.2b **¶13193040**
IDC V 19 17 13 27.7–.69 25.26N 37.79E 0 4.2L,4.1
NEIC V 19 17 13 28.9–.30 25.20N 37.77E 10 4.2b,4.1
HLW V 19 17 13 28.8 25.18N 37.69E 18–13 3.2L,0.0
MOS V 19 17 13 31.2–.87 25.30N 37.76E 33 4.4b,0.0
TEH V 19 17 13 36.6 25.56N 37.66E 52 4.3L,0.0
NSSC V 19 17 13 47.1–3.1 26.68N 35.84E 0–999 4.1L,0.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=35.0.
IDC Error ellipse: s-maj=15.6km s-min=14.3km az=159.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=5.3km az=64.0.
MOS Error ellipse: s-maj=11.6km s-min=6.0km az=92.5.
NSSC Error ellipse: s-maj=999.9km s-min=455.4km az=-1.0.
ISC V 19 17 35 01.3–.28 25.24N–.02 37.74E–.02 9–1 5.5b,5.3s 1927 0-173
BGS V 19 17 34 33.9–1.9 22.33N 39.50E 5 5.6b,5.0s **¶14598201**
BJI V 19 17 34 54.0 25.01N 36.95E 10 5.9s,5.8b
HLW V 19 17 34 58.6 25.21N 37.76E 7–7 3.8L,0.0
ISCJB V 19 17 34 59.5–.12 25.32N–.02 37.74E–.01 5 5.5b,5.3s
IDC V 19 17 35 00.7–.31 25.35N 37.78E 0 5.3,5.3s
CSEM V 19 17 35 00.9–.07 25.36N 37.78E 2 5.7W,5.6b
NEIC V 19 17 35 01.1–.14 25.29N 37.74E 5 5.7b,5.7W
SZGRF V 19 17 35 02.9 25.04N 37.65E 33 5.7b,4.6s
GCMT V 19 17 35 02.5–.10 25.20N 37.76E 12 5.7W,4.6s
TEH V 19 17 35 03.0 25.36N 37.68E 10 5.6L,4.6s
MOS V 19 17 35 04.0–.82 25.40N 37.74E 33 5.8b,5.1s
NSSC V 19 17 35 05.8–2.5 25.51N 37.13E 37–999 5.3L,5.1s
DJA V 19 17 35 06.1–.70 25N–4.0 38E–6.0 48–8 7.1,6.1b
ISC Event type de.
ISCJB Event type de.
CSEM Event type ke.
NEIC Event type de. At least seven people injured in Al Madinah. Felt at Al ‘Ula, Al Wajh, Medina, Umm Lajj, Yanbu‘ al Bahr and in other parts of Al Madinah. Several large ground cracks and landslides were observed in Al Madinah. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s290.00000°,δ60.00000°,λ-90.00000°. NP2: ϕ_s110.00000°,δ30.00000°,λ-90.00000°. Principal axes: T Plg15.0000°,Azm20.0000° ; N Plg0.0000°,Azm0.0000°; P Plg75.0000°,Azm200.0000° Moment Tensor Solution. s43 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.16 $M_{\theta\theta}$1.32 $M_{\phi\phi}$1.84 $M_{r\theta}$2.45 $M_{\theta\phi}$-1.34 $M_{\phi r}$0.60 Best double couple: NP1:ϕ_s158.00000°,δ38.00000°,λ-50.00000°. NP2:ϕ_s291.00000° ,δ62.00000°,λ-117.00000°. Principal axes: T 3.2000,Plg13.0000°,Azm40.0000° ; N 1.2300,Plg23.0000°,Azm304.0000°; P -4.4300,Plg62.0000°,Azm157.0000° $M_0$4.00000×10^{17}
SZGRF Western Arabian Peninsula.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=242, per= 50. Moment Tensor Solution. s82,c142; s63,c70; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.99±.03 $M_{\theta\theta}$1.59±.03; $M_{\phi\phi}$2.40±.04; $M_{r\theta}$0.35±.10; $M_{\theta\phi}$-1.85±.03; $M_{\phi r}$-0.29±.10; Best double couple: NP1:ϕ_s143.00000°,δ42.00000°,λ-88.00000°. NP2:ϕ_s320.00000°,δ48.00000°,λ-92.00000°. Principal axes: T 3.9100,Plg3.0000°,Azm51.0000°; N 0.1000,Plg1.0000°,Azm321.0000° ; P -4.0200,Plg87.0000°,Azm208.0000° $M_0$4.00000×10^{17}
ISC V 19 19 57 18.7–.36 25.20N–.03 37.73E–.03 14–1 4.7b,4.1s 760 0-114
ISCJB V 19 19 57 15.6–.77 25.28N–.02 37.74E–.02 2–5 4.6b,4.1s **¶13193044**
BJI V 19 19 57 15.5 25.30N 37.70E 10 4.9b,4.8b
NSSC V 19 19 57 15.0–2.7 25.01N 38.40E 38–999 4.9L,4.8b
IDC V 19 19 57 16.9–.52 25.27N 37.81E 0 4.6,4.6
CSEM V 19 19 57 17.3–.10 25.27N 37.72E 2 4.8W,4.6b
HLW V 19 19 57 18.0 25.26N 37.63E 8–9 3.5L,0.0
NEIC V 19 19 57 18.4–.20 25.24N 37.75E 10 4.6b,0.0
GCMT V 19 19 57 19.5–.50 25.16N 37.77E 12 4.8W,0.0
MOS V 19 19 57 20.4–.79 25.32N 37.73E 33 5.0b,0.0
DJA V 19 19 57 21.9–1.9 26N–7.0 38E–8.0 28–17 6.3,5.8
ISC Event type fe.
ISCJB Event type fe.
CSEM Event type ke.
NEIC Event type fe. Felt in parts of Al Madinah.
GCMT Event type se. Data Used: IC IU G II CN. Moment Tensor Solution. s12,c14; s58,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.76±.07 $M_{\theta\theta}$0.96±.07; $M_{\phi\phi}$0.80±.07; $M_{r\theta}$-0.51±.34; $M_{\theta\phi}$-0.96±.06; $M_{\phi r}$-0.38±.29; Best double couple: NP1:ϕ_s330.00000°,δ46.00000°,λ-64.00000°. NP2:ϕ_s115.00000°,δ50.00000°,λ-114.00000°. Principal axes: T 1.8400,Plg2.0000° ,Azm222.0000°; N 0.1200,Plg18.0000°,Azm131.0000°; P -1.9700,Plg72.0000° ,Azm318.0000° $M_0$1.90000×10^{16}
ISC V 19 20 35 40.4–.45 25.21N–.03 37.69E–.03 15–2 4.4b,3.9s 377 0-94
BJI V 19 20 35 31.5 24.98N 36.77E 10 5.0b,4.6s **¶12842733**
IDC V 19 20 35 39.0–.57 25.30N 37.75E 0 4.2,4.2
HLW V 19 20 35 38.5 25.21N 37.97E 25–65 3.8,3.2L
CSEM V 19 20 35 39.1–.15 25.29N 37.67E 2 5.1W,4.6b
NEIC V 19 20 35 40.1–.32 25.23N 37.70E 10 4.6b,4.6b
MOS V 19 20 35 42.2–.92 25.34N 37.73E 33 4.8b,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=13.4km s-min=12.1km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=8.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=5.3km az=53.0. Felt at Medina, Umm Lajj, Yanbu‘ al Bahr and in other parts of Al Madinah.
MOS Error ellipse: s-maj=9.7km s-min=4.6km az=93.2.
HLW V 20 05 14 22.9 25.56N 36.75E 0–7 3.5L,0.0
¶15969019
IDC V 21 22 03 18.6–1.3 25.38N 37.69E 0 3.7,3.7b
¶16156003
IDC Error ellipse: s-maj=22.0km s-min=20.0km az=61.0.
ISC V 25 22 51 36.9–.89 12.16N–.04 43.68E–.05 10 3.9b,3.3s 31 1-128
DHMR V 25 22 51 32.3–1.8 11.95N 43.66E 4–10 4.5L,3.3s **¶13679643**
CSEM V 25 22 51 32.3 11.95N 43.66E 4 4.5L,3.3s
IDC V 25 22 51 34.6–1.6 11.30N 43.75E 0 4.0,3.9b
ISC Event type ke.
DHMR Error ellipse: s-maj=7.7km s-min=7.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
IDC Error ellipse: s-maj=38.1km s-min=23.5km az=177.0.
ISC V 26 05 12 54.4–.69 12.02N–.07 43.78E–.07 4 3.8b,3.4s 21 1-128
DHMR V 26 05 12 48.4–1.8 11.90N 43.68E 3–16 4.6L,3.4s **¶13679663**
ISCJB V 26 05 12 52.6–.59 11.98N–.05 43.85E–.07 4 3.8b,3.5s
IDC V 26 05 12 54.1–1.3 11.99N 43.78E 0 3.9,3.8
ISC Event type ke.
DHMR Error ellipse: s-maj=9.0km s-min=15.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.2km az=29.7.
IDC Error ellipse: s-maj=34.6km s-min=22.4km az=162.0.
DHMR V 26 05 59 37.0–.79 12.11N 43.77E 5–4 3.8L
CSEM V 26 05 59 37.0 12.11N 43.77E 4 3.8L **¶15167874**
DHMR Error ellipse: s-maj=3.9km s-min=3.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR V 26 08 15 26.8–1.4 12.04N 43.79E 10–17 3.5L
CSEM V 26 08 15 26.8 12.04N 43.79E 9 3.5L **¶15167877**
DHMR Error ellipse: s-maj=8.3km s-min=11.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR V 26 16 40 24.7–1.0 12.07N 43.81E 11–10 3.8L
CSEM V 26 16 40 24.7 12.07N 43.81E 11 3.8L **¶15167879**
DHMR Error ellipse: s-maj=6.1km s-min=6.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR V 26 19 12 39.7–1.4 12.12N 43.73E 7–9 3.6L
CSEM V 26 19 12 39.7 12.12N 43.73E 6 3.6L **¶15167881**
DHMR Error ellipse: s-maj=7.7km s-min=5.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR V 27 05 07 28.8–1.1 12.14N 43.84E 10–9 3.9L
CSEM V 27 05 07 28.8 12.14N 43.84E 9 3.9L **¶15167885**
DHMR Error ellipse: s-maj=6.8km s-min=4.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC V 28 08 48 39.2–4.1 27.4N–.10 37.5E–.20 10 24 3-5
HLW V 28 08 48 26.8 26.96N 38.68E 9–19 3.3L,0.0 **¶14394132**
CSEM V 28 08 48 56.5–.47 27.43N 35.90E 2 4.1b,0.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=6.3km az=132.0.
HLW V 30 08 31 59.6 25.12N 38.02E 21–27 3.7L,3.4
¶15969021
DHMR VI 04 08 33 56.5–1.7 12.05N 43.41E 12–11 3.5L
CSEM VI 04 08 33 56.5 12.05N 43.41E 11 3.5L **¶15167906**
DHMR Error ellipse: s-maj=9.0km s-min=9.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR VI 09 12 00 46.3–1.1 12.05N 43.79E 10–12 3.6L
CSEM VI 09 12 00 46.3 12.05N 43.79E 10 3.6L **¶15167925**
DHMR Error ellipse: s-maj=7.4km s-min=8.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR VI 12 11 34 34.0–1.1 12.25N 44.37E 3–5 3.7L
CSEM VI 12 11 34 34.0 12.25N 44.37E 2 3.7L **¶15167935**
DHMR Error ellipse: s-maj=6.2km s-min=3.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR VI 17 04 29 43.3–.73 14.21N 44.39E 11–3 3.8L
CSEM VI 17 04 29 43.3 14.21N 44.39E 11 3.8L **¶15167941**
DHMR Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR VI 27 03 35 21.4–1.6 12.08N 44.11E 5–10 2.6L
¶15167951
DHMR Error ellipse: s-maj=10.6km s-min=8.6km az=-1.0.

(558) Ethiopia.
DHMR II 07 18 35 54.8–.82 12.04N 41.06E 10 3.9L
¶14383482
DHMR Error ellipse: s-maj=12.1km s-min=8.2km az=-1.0.
DHMR II 13 08 28 25.7–1.5 11.93N 43.90E 4–12 3.8L
CSEM II 13 08 28 25.7 11.93N 43.90E 4 3.8L **¶14383701**
DHMR Error ellipse: s-maj=9.1km s-min=6.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC III 02 21 55 05.9–3.0 12.3N–.30 40.6E–.30 14 7 4-5
DHMR III 02 21 55 05.4–3.1 12.46N 40.62E 22–75 3.7L **¶14544070**
ISC Event type ke.
DHMR Error ellipse: s-maj=85.9km s-min=61.4km az=-1.0.
DHMR V 17 09 30 03.7–1.3 11.36N 42.48E 6–16 3.5L
¶15179090
DHMR Error ellipse: s-maj=16.8km s-min=19.8km az=-1.0.
DHMR V 26 01 24 06.3–1.1 11.80N 43.77E 3–14 3.8L
¶15167868
DHMR Error ellipse: s-maj=13.1km s-min=6.1km az=-1.0.
ISC V 26 05 34 05.8–.44 11.96N–.05 43.93E–.06 4 4.3b,3.6s 144 1-128
DHMR V 26 05 33 59.3–1.5 11.92N 43.70E 2–7 5.3L,3.6s **¶13439785**

ISCJB V 26 05 34 03.9–.35 11.94N–.04 43.96E–.05 4 4.3b,3.6s
IDC V 26 05 34 04.8–.65 11.84N 43.92E 0 4.3,4.3
BJI V 26 05 34 05.2 11.95N 44.18E 5 4.9b,4.7b
NEIC V 26 05 34 06.2–.46 11.94N 43.91E 10 4.4b,4.7b
CSEM V 26 05 34 06.0–.31 11.99N 44.05E 2 4.4b,4.7b
ISC Event type ke.
DHMR Error ellipse: s-maj=9.1km s-min=10.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.2km az=18.2.
IDC Error ellipse: s-maj=15.7km s-min=14.8km az=25.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.0km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=9.2km az=43.0.
DHMR VI 04 06 00 07.3–1.0 11.94N 43.46E 12–17 3.7L
CSEM VI 04 06 00 07.3 11.94N 43.46E 12 3.7L **¶15167905**
DHMR Error ellipse: s-maj=9.9km s-min=10.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.

(559) Western Gulf of Aden.

DHMR I 13 11 15 55.3–1.5 11.96N 44.14E 6–10 3.9L
CSEM I 13 11 15 55.3 11.96N 44.14E 5 3.9L **¶14383230**
DHMR Error ellipse: s-maj=9.0km s-min=6.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC I 16 23 21 16.9–.98 12.15N–.07 46.27E–.06 10 4.0b 25 1-92
ISCJB I 16 23 21 17.6–.70 12.23N–.07 46.47E–.05 10 3.9b **¶12081491**
IDC I 16 23 21 17.3–1.3 12.02N 46.65E 0 3.9,3.8
DHMR I 16 23 21 20.4–1.5 12.39N 46.23E 8–13 3.6L,3.8
CSEM I 16 23 21 20.4 12.39N 46.23E 8 3.6L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.1km az=27.3.
IDC Error ellipse: s-maj=32.8km s-min=20.0km az=175.0.
DHMR Error ellipse: s-maj=11.9km s-min=7.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR I 21 02 44 50.9–1.3 12.31N 45.70E 13–8 3.9L
CSEM I 21 02 44 50.9 12.31N 45.70E 13 3.9L **¶14383256**
DHMR Error ellipse: s-maj=7.0km s-min=4.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR VI 03 13 03 18.8–1.3 12.33N 45.70E 10 3.5L
CSEM VI 03 13 03 18.8 12.33N 45.70E 10 3.5L **¶15167899**
DHMR Error ellipse: s-maj=7.9km s-min=6.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC VI 04 21 53 06.8–1.8 12.2N–.10 45.42E–.08 10 3.6b 14 1-62
IDC VI 04 21 53 00.8–8.5 11.29N 45.65E 0 3.7,3.6 **¶13680495**
CSEM VI 04 21 53 08.2 12.32N 45.49E 25 3.3L,3.6
DHMR VI 04 21 53 08.2–1.7 12.32N 45.49E 26–9 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=191.8km s-min=41.6km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR Error ellipse: s-maj=11.2km s-min=8.5km az=-1.0.
DHMR VI 04 21 58 06.4–.93 12.31N 45.62E 24–15 3.7L
CSEM VI 04 21 58 06.4 12.31N 45.62E 24 3.7L **¶15167912**
DHMR Error ellipse: s-maj=9.4km s-min=6.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC VI 17 05 19 22.0–.71 12.26N–.07 46.44E–.07 10 4.0b,3.5s 33 2-130
ISCJB VI 17 05 19 20.1–.56 12.27N–.06 46.46E–.05 10 3.9b,3.6s **¶13681514**
IDC VI 17 05 19 20.0–.87 12.03N 46.72E 0 4.0,3.9
CSEM VI 17 05 19 22.9 12.39N 46.32E 25 4.0L,3.9
DHMR VI 17 05 19 22.9–.86 12.39N 46.32E 26–10 4.0L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.0km az=30.9.
IDC Error ellipse: s-maj=21.4km s-min=17.4km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR Error ellipse: s-maj=7.9km s-min=7.8km az=-1.0.

(561) Off south coast of northwest Africa.

IDC IV 13 21 56 22.2–13 2.60N 16.34W 0 4.2L,3.9
¶16152777
IDC Error ellipse: s-maj=285.4km s-min=52.0km az=5.0.

(567) Zaire.

ISC I 10 09 02 02.9–.84 3.3S–.10 27.83E–.09 10 4.2b 27 10-74
ISCJB I 10 09 02 00.5–.54 3.24S–.08 27.98E–.10 10 4.1b,3.1s **¶12080927**
IDC I 10 09 02 01.2–.76 3.24S 28.00E 0 4.6L,4.2
NEIC I 10 09 02 02.4–.49 3.26S 28.03E 10 3.8b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=11.0km az=21.0.
IDC Error ellipse: s-maj=21.8km s-min=17.4km az=99.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.2km az=127.0.
ISC II 04 09 24 21.4–.57 3.56S–.09 25.05E–.07 10 4.2b,3.5s 48 5-125
PRE II 04 09 24 12.3–1.6 4.37S 24.91E 10 4.0L,3.5s **¶12699525**
ISCJB II 04 09 24 19.5–.43 3.54S–.07 25.09E–.05 10 4.1b,3.4s
IDC II 04 09 24 20.2–.65 3.53S 25.03E 0 4.2,4.2b
NEIC II 04 09 24 21.5–.33 3.54S 25.06E 10 4.2b,4.2b
ISC Event type se.
PRE Error ellipse: s-maj=45.4km s-min=29.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.5km az=155.8.
IDC Error ellipse: s-maj=22.4km s-min=15.1km az=98.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.4km az=115.0.
ISC III 05 03 28 56.7–.58 0.26S–.08 29.57E–.07 10 3.8b,3.7s 27 1-127
ISCJB III 05 03 28 54.7–.51 0.20S–.08 29.54E–.05 10 3.8b,3.6s **¶12702468**
IDC III 05 03 28 55.3–1.1 0.23S 29.51E 0 4.0,3.9
NEIC III 05 03 28 56.5–.42 0.24S 29.55E 10 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=6.3km az=18.2.
IDC Error ellipse: s-maj=29.9km s-min=25.0km az=125.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.5km az=217.0.
IDC IV 27 20 59 05.0–.93 10.50S 28.66E 0 4.0,3.9
¶16154574
IDC Error ellipse: s-maj=34.4km s-min=13.9km az=98.0.
IDC VI 18 06 07 07.0–1.9 8.67S 28.47E 0 3.9,3.9
¶16101456
IDC Error ellipse: s-maj=37.6km s-min=28.6km az=124.0.

(568) Uganda.

PRE I 20 00 55 06.8–1.8 0.66N 30.70E 10 3.6L
¶13433875
PRE Error ellipse: s-maj=12.8km s-min=11.4km az=-1.0.
PRE II 02 04 24 33.3–1.3 0.37N 30.13E 10 4.1L
¶16311663
PRE Error ellipse: s-maj=8.6km s-min=8.8km az=-1.0.
IDC V 10 06 52 16.6–2.5 1.06N 30.23E 0 3.4,3.4
¶16155574
IDC Error ellipse: s-maj=78.8km s-min=22.2km az=19.0.

(569) Lake Victoria region.

ISC II 03 15 48 54.4–.45 3.91S–.06 34.86E–.04 17–2 5.0b,4.0s 261 4-138
SZGRF II 03 15 48 49.0 4.64S 35.31E 33 5.1b,4.0s **¶11662501**
PRE II 03 15 48 49.4–2.6 4.05S 34.94E 10 4.5b,4.0s
MOS II 03 15 48 51.5–1.0 3.90S 34.88E 10 5.2b,4.1s
IDC II 03 15 48 51.6–.58 3.88S 34.84E 0 4.6,4.5
ISCJB II 03 15 48 52.2–.27 3.98S–.04 34.81E–.04 14 4.8b,4.1s
NEIC II 03 15 48 53.4–.32 3.90S 34.85E 10 5.1b,4.1s
ISC Event type fe.
SZGRF Tanzania.
PRE Error ellipse: s-maj=8.8km s-min=8.4km az=-1.0.
MOS Error ellipse: s-maj=12.2km s-min=5.9km az=87.8.
IDC Error ellipse: s-maj=16.1km s-min=13.5km az=125.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=20.2.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=7.4km az=191.0. Felt [III] at Haidom and [II] at Arusha, Dar es Salaam, Dodoma and Zanzibar. Also felt at Bukoba, Chanika, Kigoma, Lushoto, Mabama, Morogoro, Namanga, Same and Tabora. Felt [II] at Nairobi, Kenya. Also felt at Eldoret, Gilgil, Homa Bay, Magadi and Mombasa. Felt [II] at Kampala, Uganda. Also felt at Kyotera.

PRE II 04 02 31 11.9–1.4 3.91S 34.81E 10 4.0L
¶16311676
PRE Error ellipse: s-maj=19.4km s-min=5.8km az=-1.0.
PRE II 05 00 47 54.1–1.9 3.95S 34.94E 10 3.8L
¶16311685
PRE Error ellipse: s-maj=27.9km s-min=8.7km az=-1.0.
ISC II 16 08 24 23.6–.35 3.92S–.05 34.85E–.05 22 4.8b,4.3s 304 4-158
IDC II 16 08 24 20.5–.50 3.87S 34.77E 0 4.5,4.4 **¶13434678**
MOS II 16 08 24 20.3–.90 3.86S 34.87E 10 5.0b,4.3s
NEIC II 16 08 24 22.0–.23 3.95S 34.84E 10 5.0b,4.3s
ISCJB II 16 08 24 21.8–.24 3.93S–.03 34.80E–.04 22 4.7b,4.3s
BJI II 16 08 24 23.4 3.26S 34.83E 15 5.2b,5.1s
DJA II 16 08 24 23.2–.60 4S–14 35E–22 10 5.9,5.5
SZGRF II 16 08 24 26.7 3.59S 34.48E 33 4.8b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=10.0km az=66.0.
MOS Error ellipse: s-maj=11.8km s-min=5.5km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=5.1km az=95.0. Felt at Haidom, Monduli and Shinyanga. Also felt at Nairobi, Kenya.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=0.9.
SZGRF Lake Victoria region.
PRE II 17 01 58 56.1–1.3 3.76S 34.82E 10 4.5L
¶16313930
PRE Error ellipse: s-maj=19.1km s-min=5.5km az=-1.0.
PRE II 17 08 19 55.8–2.4 3.47S 34.82E 10 3.4L
¶16313934
PRE Error ellipse: s-maj=35.9km s-min=9.8km az=-1.0.
PRE II 28 01 14 19.2–1.4 3.20S 34.72E 10 3.2L
¶16314354
PRE Error ellipse: s-maj=20.8km s-min=5.2km az=-1.0.

(570) Kenya.

PRE II 06 20 36 15.7–1.6 0.71S 35.07E 10 3.8L
¶16311696
PRE Error ellipse: s-maj=39.4km s-min=4.9km az=-1.0.

(572) Lake Tanganyika region.

PRE II 01 19 16 46.5–1.5 7.60S 30.77E 10 3.7L
¶16311656
PRE Error ellipse: s-maj=10.0km s-min=14.1km az=-1.0.
PRE II 01 23 16 38.3–.75 1.32S 29.44E 10 2.5L
¶16311659
PRE Error ellipse: s-maj=2.9km s-min=8.2km az=-1.0.
ISC II 03 18 33 31.4–1.7 2.2S–.20 28.87E–.08 12 3.8b 9 1-68
IDC II 03 18 33 27.2–5.8 2.61S 28.73E 0 3.7,3.7 **¶15954969**
ISCJB II 03 18 33 29.8–1.4 2.1S–.20 28.78E–.07 12 3.7b,3.5s
PRE II 03 18 33 33.3–1.5 2.01S 28.96E 10 4.3L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=139.2km s-min=40.4km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=24.4km s-min=9.6km az=178.2.
PRE Error ellipse: s-maj=15.3km s-min=11.1km az=-1.0.
PRE II 14 12 03 37.7–2.4 3.92S 29.17E 10 3.9L
¶16313367
PRE Error ellipse: s-maj=21.3km s-min=26.6km az=-1.0.
ISC III 25 05 03 21.6–.48 2.59S–.05 29.49E–.09 10 4.0b,3.4s 53 2-134
ISCJB III 25 05 03 20.2–.45 2.48S–.06 29.49E–.08 10 4.0b,3.4s **¶13437237**
IDC III 25 05 03 21.2–.69 2.41S 29.46E 0 5.3L,4.2
NEIC III 25 05 03 22.4–.38 2.47S 29.52E 10 4.0b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.3km s-min=6.8km az=32.4.
IDC Error ellipse: s-maj=21.6km s-min=11.3km az=121.0.
NEIC Event type fe. Error ellipse: s-maj=11.7km s-min=7.8km az=110.0. Felt at Kigali.

(573) Tanzania.

IDC I 13 04 02 11.7–.98 4.79S 35.76E 0 4.6L,4.0
¶12081168
IDC Error ellipse: s-maj=23.8km s-min=20.0km az=133.0.
ISC I 20 11 50 17.6–.39 5.44S–.05 35.76E–.05 9 4.8b,4.0s 75 5-140
ISCJB I 20 11 50 16.0–.29 5.39S–.04 35.69E–.04 9 4.6b,4.1s **¶12081862**
IDC I 20 11 50 15.7–.66 5.50S 35.83E 0 4.5,4.4
BJI I 20 11 50 15.4 5.40S 35.60E 10 5.1b,4.7b
DJA I 20 11 50 16 5.27S 35.28E 10 4.9b,4.7b
NEIC I 20 11 50 17.7–.36 5.41S 35.74E 10 4.9b,4.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.8km az=156.3.
IDC Error ellipse: s-maj=18.5km s-min=16.5km az=136.0.
NEIC Event type fe. Error ellipse: s-maj=10.9km s-min=8.7km az=107.0. Felt at Arusha and Dodoma.
ISC I 20 17 20 23.7–.79 5.42S–.09 35.7E–.20 9 3.8b 18 5-67
ISCJB I 20 17 20 21.9–.68 5.33S–.09 35.8E–.20 9 3.7b **¶12081882**
IDC I 20 17 20 22.9–1.0 5.47S 35.73E 0 3.9,3.8b
NEIC I 20 17 20 24.1–.59 5.38S 35.73E 10 4.4b,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=9.2km az=20.5.
IDC Error ellipse: s-maj=38.6km s-min=22.5km az=125.0.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=11.0km az=113.0.
IDC I 20 17 27 45.8–1.0 5.59S 35.77E 0 4.1,3.9b
¶12081885
IDC Error ellipse: s-maj=35.8km s-min=22.7km az=128.0.
PRE I 27 17 07 55.7–120 6.04S 36.07E 10 4.4L
¶13434038
PRE Error ellipse: s-maj=618.8km s-min=582.8km az=-1.0.
PRE I 27 22 17 33.3–2.1 5.63S 35.87E 10 4.0L
¶13434045
PRE Error ellipse: s-maj=21.9km s-min=10.8km az=-1.0.
ISC II 15 07 29 03.2–.62 4.1S–.10 34.9E–.10 22 4.3b,3.5s 29 4-98
IDC II 15 07 29 00.3–.82 4.06S 34.84E 0 4.2,4.1b **¶12700771**
ISCJB II 15 07 29 01.5–.51 4.05S–.10 34.9E–.10 22 4.1b,3.6s
NEIC II 15 07 29 01.8–.49 4.05S 34.88E 10 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=17.6km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=7.2km az=37.8.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=8.7km az=126.0.
ISC II 15 23 56 01.6–.55 4.02S–.08 34.98E–.10 22 4.0b,3.7s 49 4-97
IDC II 15 23 55 58.4–.68 4.00S 34.93E 0 4.0,4.0 **¶12700844**
ISCJB II 15 23 55 59.6–.40 4.02S–.06 34.97E–.08 22 4.0b,3.8s
NEIC II 15 23 55 59.7–.30 4.02S 34.97E 10 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=15.6km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.1km az=31.1.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.8km az=114.0.
IDC II 16 00 01 05.5–1.2 5.02S 34.49E 0 3.9,3.8
¶15956227
IDC Error ellipse: s-maj=38.1km s-min=21.7km az=123.0.
PRE II 17 00 14 17.2–.52 4.10S 34.80E 10 3.4L
¶16313928
PRE Error ellipse: s-maj=7.5km s-min=2.3km az=-1.0.
PRE II 17 00 16 33.8–.79 4.13S 34.93E 10 3.7L
¶16313929
PRE Error ellipse: s-maj=5.8km s-min=3.3km az=-1.0.
PRE II 17 20 00 53.0–1.8 4.07S 34.94E 10 3.9L
¶16313939
PRE Error ellipse: s-maj=15.3km s-min=9.3km az=-1.0.
PRE II 26 04 33 22.5–.55 5.86S 35.72E 10 3.5L
¶16314339
PRE Error ellipse: s-maj=8.8km s-min=3.6km az=-1.0.
PRE II 26 22 05 39.3–1.4 4.14S 34.93E 10 3.5L
¶16314344
PRE Error ellipse: s-maj=10.3km s-min=5.9km az=-1.0.
PRE II 28 01 26 11.3–1.4 3.09S 36.05E 10 3.4L
¶16314355

PRE Error ellipse: s-maj=12.5km s-min=7.1km az=-1.0.
PRE II 28 19 52 51.8–1.5 5.48S 34.95E 10 4.1L
¶16314363

PRE Error ellipse: s-maj=11.4km s-min=7.6km az=-1.0.
IDC III 29 09 10 32.6–1.5 6.23S 33.62E 0 3.9,3.7b
¶12635853

IDC Error ellipse: s-maj=80.2km s-min=30.2km az=104.0.
IDC IV 27 03 14 50.6–.90 4.58S 35.42E 35–6 4.9L,3.9
¶16154540

IDC Error ellipse: s-maj=33.6km s-min=13.4km az=112.0.
IDC V 03 04 31 40.5–1.6 8.38S 32.07E 0 3.9L,3.6
¶16154856

IDC Error ellipse: s-maj=42.7km s-min=28.7km az=120.0.

ISC	**VI**	**10 15 18 03.1–.55**	**5.47S–.03**	**35.70E–.04**	**10**	**4.2b,3.5s**	**45**	**1-81**	
ISCJB	VI	10 15 18 01.9–.35	5.46S–.03	35.71E–.03	10	4.2b,3.5s			¶13653831
BUL	VI	10 15 18 01.4–21	5.40S	36.89E	0–113	3.9,3.5s			
IDC	VI	10 15 18 02.6–.72	5.52S	35.84E	0	4.9L,4.3			
PRE	VI	10 15 18 03.3–4.1	5.47S	35.76E	10	4.3b,4.3			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=3.1.
BUL Error ellipse: s-maj=59.2km s-min=193.3km az=-1.0.
IDC Error ellipse: s-maj=23.2km s-min=12.3km az=129.0.
PRE Error ellipse: s-maj=11.0km s-min=22.0km az=-1.0.
BUL VI 28 02 51 29.5–1.5 6.36S 32.84E 10 3.8
IDC VI 28 02 51 44.1–2.1 4.70S 31.83E 0 3.9,3.9 ¶16101805
BUL Error ellipse: s-maj=4.4km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=96.3km s-min=25.8km az=124.0.

(575) Angola.
IDC V 29 01 33 35.7–1.1 10.34S 14.14E 0 3.9,3.9b
¶16156295

IDC Error ellipse: s-maj=44.6km s-min=12.3km az=60.0.

(576) Zambia.
PRE II 01 03 06 06.6–1.8 9.52S 32.91E 10 3.4L
¶16311654

PRE Error ellipse: s-maj=14.7km s-min=18.5km az=-1.0.
PRE III 04 22 28 48.1–1.5 17.90S 24.71E 10 3.8L
¶16314389

PRE Error ellipse: s-maj=6.0km s-min=6.4km az=-1.0.

(577) Malawi.

ISC	**III**	**24 02 12 07.0–.47**	**11.71S–.05**	**34.49E–.05**	**10**	**4.0b**	**69**	**7-144**	
PRE	III	24 02 12 03.1–2.0	11.52S	34.62E	10	4.3b			¶12635439
ISCJB	III	24 02 12 04.6–.34	11.51S–.04	34.58E–.05	10	3.9b,3.6s			
IDC	III	24 02 12 05.2–.71	11.52S	34.61E	0	4.4L,4.1			
NEIC	III	24 02 12 10.0–.94	11.65S	34.61E	32–7	4.1b,4.1			
BUL	III	24 02 12 11.0–.30	11.07S	34.01E	15	5.3,4.1			

ISC Event type se.
PRE Error ellipse: s-maj=7.4km s-min=14.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.1km az=18.9.
IDC Error ellipse: s-maj=20.7km s-min=14.8km az=131.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.6km az=69.0.
BUL Error ellipse: s-maj=16.0km s-min=28.0km az=-1.0.
IDC V 24 13 10 46.5–1.9 13.09S 34.65E 0 3.8L,3.6
¶16156099

IDC Error ellipse: s-maj=54.5km s-min=40.3km az=125.0.

(578) Namibia.
PRE I 09 00 17 30.4–1.1 23.54S 15.17E 10 4.4L
¶13404686

PRE Error ellipse: s-maj=5.0km s-min=5.8km az=-1.0.
PRE I 28 04 27 15.4–1.4 28.58S 18.59E 10 4.2L
¶13434052

PRE Error ellipse: s-maj=2.6km s-min=3.5km az=-1.0.
PRE II 25 09 02 12.3–1.7 24.09S 17.70E 10 3.0L
¶16314333

PRE Error ellipse: s-maj=5.1km s-min=8.6km az=-1.0.
PRE VI 07 01 49 14.4–2.2 25.72S 15.87E 10 4.8L
¶13653818

PRE Error ellipse: s-maj=5.1km s-min=8.0km az=-1.0.

(579) Botswana.

ISC	**V**	**01 18 23 06.0–.55**	**18.94S–.05**	**23.79E–.05**	**10**	**4.0b**	**53**	**5-111**	
BJI	V	01 18 23 04.5	18.80S	23.90E	10	4.8b,4.7b			¶12747033
ISCJB	V	01 18 23 05.9–.57	19.04S–.04	23.83E–.06	10	3.9s,3.8b			
IDC	V	01 18 23 06.6–1.7	19.00S	23.72E	0	4.8L,4.2			
PRE	V	01 18 23 06.7–3.3	18.82S	23.75E	10	5.4L,4.2			
NEIC	V	01 18 23 06.9–.74	18.82S	23.91E	10	4.3L,4.0b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.8km az=160.1.
IDC Error ellipse: s-maj=82.0km s-min=22.0km az=78.0.
PRE Error ellipse: s-maj=7.1km s-min=7.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=11.3km az=107.0.
PRE V 15 08 41 48.4–2.1 23.37S 25.67E 10 3.5L
¶13653373

PRE Error ellipse: s-maj=4.2km s-min=8.5km az=-1.0.

(580) Zimbabwe.
PRE V 24 20 21 57.9–3.1 17.35S 27.61E 10 5.0L
¶13653451

PRE Error ellipse: s-maj=5.9km s-min=10.0km az=-1.0.

ISC	**V**	**24 20 39 38.4–.55**	**17.44S–.04**	**27.38E–.07**	**12**	**3.4b**	**71**	**2-143**	
ISCJB	V	24 20 39 37.1–.45	17.49S–.03	27.44E–.07	12	3.6b			¶13653452
IDC	V	24 20 39 37.4–1.0	17.31S	27.48E	0	4.2L,4.0			
PRE	V	24 20 39 37.8–3.5	17.36S	27.52E	10	5.5L,4.0			
NEIC	V	24 20 39 38.7–.40	17.33S	27.41E	10	4.1L,4.0			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.3km az=4.0.
IDC Error ellipse: s-maj=27.6km s-min=14.6km az=116.0.
PRE Error ellipse: s-maj=6.5km s-min=10.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=5.6km az=96.0.
PRE V 25 09 48 32.9–3.0 17.40S 27.61E 10 4.4L
¶13653457

PRE Error ellipse: s-maj=5.9km s-min=10.3km az=-1.0.

ISC	**VI**	**06 13 48 04.6–2.1**	**20.96S–.07**	**31.6E–.20**	**10**		**8**	**6-10**	
PRE	VI	06 13 47 51.5–.42	21.15S	32.76E	5	3.5L			¶13653817
BUL	VI	06 13 48 14.9–1.8	21.03S	31.10E	10	4.0			

ISC Event type ke.
PRE Error ellipse: s-maj=1.5km s-min=5.2km az=-1.0.
BUL Error ellipse: s-maj=5.4km s-min=17.1km az=-1.0.

(581) Mozambique.
PRE I 15 09 04 37.9–1.2 20.90S 33.39E 10 4.9L
¶13404874

PRE Error ellipse: s-maj=4.3km s-min=5.6km az=-1.0.
PRE I 18 01 29 29.2–.96 21.48S 32.94E 5 3.6L
¶13405808

PRE Error ellipse: s-maj=6.9km s-min=6.7km az=-1.0.

ISC	**I**	**19 15 20 18.9–.61**	**19.91S–.08**	**34.82E–.07**	**10**	**4.6s,3.9b**	**40**	**5-150**	
ISCJB	I	19 15 20 16.8–.47	20.01S–.07	34.89E–.07	10	4.5s,3.8b			¶12081769
PRE	I	19 15 20 17.0–2.6	19.61S	34.81E	10	5.0L,3.8b			
IDC	I	19 15 20 17.5–1.1	19.86S	34.92E	0	4.4s,4.4			
NEIC	I	19 15 20 19.3–.45	19.72S	34.85E	10	4.5b,4.4			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=4.8km az=137.6.
PRE Error ellipse: s-maj=17.5km s-min=18.4km az=-1.0.
IDC Error ellipse: s-maj=36.3km s-min=26.5km az=178.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.7km az=155.0.
PRE II 06 15 22 40.0–1.6 21.19S 33.41E 10 3.1L
¶16311694

PRE Error ellipse: s-maj=24.4km s-min=30.3km az=-1.0.
PRE II 07 11 11 25.7–1.9 21.07S 33.10E 10 3.4L
¶16313313

PRE Error ellipse: s-maj=18.4km s-min=22.6km az=-1.0.
PRE II 07 11 17 35.9–1.5 21.08S 33.23E 10 3.0L
¶16313314

PRE Error ellipse: s-maj=19.6km s-min=23.2km az=-1.0.
PRE II 15 06 35 23.6–2.4 21.19S 33.72E 10 3.8L
¶16313917

PRE Error ellipse: s-maj=35.0km s-min=38.1km az=-1.0.
PRE II 19 20 42 58.6–1.5 21.31S 32.92E 10 3.1L
¶16314315

PRE Error ellipse: s-maj=6.6km s-min=23.8km az=-1.0.

ISC	**III**	**04 17 08 25.1–2.0**	**21.13S–.07**	**33.2E–.10**	**10**		**18**	**3-15**	
PRE	III	04 17 08 23.1–2.2	21.11S	33.43E	10	3.2L			¶15965889
BUL	III	04 17 08 29.0–.30	19.54S	33.21E	15	3.9			

ISC Event type ke.
PRE Error ellipse: s-maj=8.3km s-min=15.5km az=-1.0.
BUL Error ellipse: s-maj=12.4km s-min=5.3km az=-1.0.

ISC	**IV**	**02 04 24 26.2–.44**	**21.28S–.05**	**32.99E–.05**	**15**	**4.2b**	**147**	**3-151**	
PRE	IV	02 04 24 22.5–4.1	21.57S	33.65E	10	5.4L			¶12934337
IDC	IV	02 04 24 23.7–.55	21.27S	33.30E	0	4.5L,4.4			
NEIC	IV	02 04 24 25.0–.35	21.28S	33.23E	10	4.4b,4.4			
ISCJB	IV	02 04 24 24.3–.41	21.29S–.05	33.04E–.07	15	4.2b,4.4			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
PRE IV 13 03 30 30.2–.88 21.22S 33.34E 5 3.7L
¶13653201

PRE Error ellipse: s-maj=2.6km s-min=5.5km az=-1.0.

ISC	**IV**	**18 01 04 06.6–1.7**	**21.27S–.07**	**33.2E–.10**	**10**		**26**	**3-16**	
PRE	IV	18 01 04 06.9–3.3	21.19S	33.22E	10	4.8L			¶13653230

ISC Event type ke.
PRE Error ellipse: s-maj=7.7km s-min=14.4km az=-1.0.
PRE IV 24 17 10 32.5–3.8 21.26S 33.37E 10 4.5L
¶13653260

PRE Error ellipse: s-maj=8.4km s-min=15.1km az=-1.0.
PRE IV 26 11 01 32.9–3.2 21.17S 33.36E 10 4.7L
¶13653264

PRE Error ellipse: s-maj=7.1km s-min=12.0km az=-1.0.
PRE V 01 07 22 22.5–2.5 21.34S 33.63E 10 4.1L
¶13653289

PRE Error ellipse: s-maj=6.7km s-min=13.4km az=-1.0.
PRE V 01 16 51 40.6–1.1 21.78S 33.43E 5 3.5L
¶13653293

PRE Error ellipse: s-maj=8.3km s-min=9.2km az=-1.0.
PRE V 05 18 07 41.8–4.2 20.95S 33.34E 10 5.1L
¶13653312

PRE Error ellipse: s-maj=9.4km s-min=16.3km az=-1.0.
PRE V 15 03 50 05.5–2.4 21.41S 33.64E 10 3.9L
¶13653370

PRE Error ellipse: s-maj=13.3km s-min=14.9km az=-1.0.

ISC	**V**	**16 01 51 30.5–.44**	**15.39S–.05**	**30.78E–.05**	**10**	**4.0b**	**80**	**3-144**	
ISCJB	V	16 01 51 29.3–.31	15.30S–.03	30.71E–.06	10	3.8b			¶12854287
PRE	V	16 01 51 29.6–3.0	15.20S	31.04E	10	5.8L			
IDC	V	16 01 51 30.1–.76	15.26S	30.84E	0	4.2L,3.9			
NEIC	V	16 01 51 31.5–.34	15.24S	30.81E	10	4.3b,3.9			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.0km az=16.2.
PRE Error ellipse: s-maj=10.7km s-min=14.9km az=-1.0.
IDC Error ellipse: s-maj=21.9km s-min=16.8km az=150.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.4km az=127.0.

ISC	**V**	**31 15 51 44.8–1.2**	**21.28S–.06**	**32.79E–.08**	**15**		**37**	**3-150**	
PRE	V	31 15 51 40.0–3.3	21.15S	33.24E	10	5.0L			¶13653776
IDC	V	31 15 51 42.0–1.9	21.64S	33.45E	0	4.1L,3.8			
ISCJB	V	31 15 51 44.0–.93	21.33S–.05	32.71E–.07	15	3.3b,3.8			

ISC Event type ke.
ISCJB Event type ke.
PRE V 31 16 04 04.3–2.4 21.16S 33.28E 5 3.7L
¶13653777

PRE Error ellipse: s-maj=8.7km s-min=23.4km az=-1.0.

ISC	**VI**	**05 17 43 43.1–3.7**	**21.8S–.20**	**32.8E–.10**	**10**		**9**	**6-10**	
PRE	VI	05 17 43 38.2–1.1	21.55S	32.99E	5	3.7L			¶13653812

ISC Event type ke.
PRE Error ellipse: s-maj=14.6km s-min=15.1km az=-1.0.

ISC	**VI**	**05 18 21 58.6–2.0**	**21.43S–.07**	**33.2E–.10**	**15**		**25**	**6-13**	
PRE	VI	05 18 21 55.2–3.7	21.31S	33.45E	10	4.3L			¶13653814
ISCJB	VI	05 18 21 58.3–1.4	21.53S–.05	33.1E–.10	15	4.3L			
BUL	VI	05 18 22 10.8–1.7	21.94S	31.15E	10	4.3			

ISC Event type ke.
PRE Error ellipse: s-maj=9.4km s-min=20.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=7.3km az=4.5.
BUL Error ellipse: s-maj=3.6km s-min=9.7km az=-1.0.

(584) South Africa.
PRE I 08 05 04 42.0–3.0 28.72S 32.66E 5 4.1L
¶13404669

PRE Error ellipse: s-maj=7.4km s-min=14.5km az=-1.0.
PRE I 17 12 15 33.4–.72 27.01S 26.80E 2 3.5L
¶13405790

PRE Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
PRE I 27 10 42 59.5–4.5 30.22S 29.28E 5 3.7L
¶13434029

PRE Error ellipse: s-maj=6.0km s-min=9.5km az=-1.0.
PRE II 01 08 49 08.6–1.1 33.24S 19.03E 5 1.5L
¶16311655

PRE Error ellipse: s-maj=3.6km s-min=8.2km az=-1.0.
PRE II 01 20 09 09.8–.43 26.41S 27.50E 2 1.4L
¶16311657

PRE Error ellipse: s-maj=1.8km s-min=1.2km az=-1.0.
PRE II 01 21 41 12.0–.92 26.43S 27.50E 2 2.1L
¶16311658

PRE Error ellipse: s-maj=3.2km s-min=2.4km az=-1.0.
PRE II 02 00 59 55.7–1.3 26.43S 27.48E 2 1.7L
¶16311660

PRE Error ellipse: s-maj=5.1km s-min=3.3km az=-1.0.
PRE II 02 02 40 13.8–.83 26.37S 27.61E 2 1.2L
¶16311661

PRE Error ellipse: s-maj=3.7km s-min=2.3km az=-1.0.
PRE II 02 02 59 56.7–.84 26.43S 27.37E 2 2.3L
¶16311662

PRE Error ellipse: s-maj=3.4km s-min=2.0km az=-1.0.
PRE II 02 05 31 15.3–1.2 26.22S 28.25E 2 1.8L
¶16311664

PRE Error ellipse: s-maj=6.3km s-min=13.6km az=-1.0.
PRE II 03 07 42 08.7–.93 26.38S 27.55E 2 2.7L
¶16311665

PRE Error ellipse: s-maj=3.5km s-min=8.6km az=-1.0.
PRE II 03 10 36 43.2–1.4 26.40S 27.58E 2 2.2L
¶16311666

PRE Error ellipse: s-maj=3.1km s-min=3.3km az=-1.0.
PRE II 03 15 07 11.7–.67 28.02S 26.66E 2 2.1L
¶16311667

PRE Error ellipse: s-maj=3.3km s-min=4.2km az=-1.0.
PRE II 03 15 55 37.0–1.2 26.20S 28.14E 2 2.2L
¶16311668

PRE Error ellipse: s-maj=4.3km s-min=2.6km az=-1.0.
PRE II 03 17 11 13.3–.33 26.41S 27.65E 2 1.5L
¶16311669

PRE Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
PRE II 03 17 29 20.1–1.1 26.40S 27.45E 2 1.6L

PRE Error ellipse: s-maj=3.9km s-min=2.9km az=-1.0.
PRE II 03 17 45 02.7–.77 26.41S 27.52E 2 1.6L

PRE Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0.
PRE II 03 21 48 56.2–.88 26.89S 26.82E 2 1.6L

PRE Error ellipse: s-maj=1.8km s-min=1.6km az=-1.0.
PRE II 03 22 51 40.5–.58 26.40S 27.64E 2 1.4L

PRE Error ellipse: s-maj=1.8km s-min=8.2km az=-1.0.
PRE II 04 02 10 41.3–1.2 28.08S 26.75E 2 2.4L

PRE Error ellipse: s-maj=5.0km s-min=6.1km az=-1.0.
PRE II 04 05 12 43.2–.71 26.24S 28.27E 2 1.5L

PRE Error ellipse: s-maj=4.0km s-min=9.1km az=-1.0.
PRE II 04 14 44 39.2–.80 26.85S 26.75E 2 1.1L

PRE Error ellipse: s-maj=2.7km s-min=3.2km az=-1.0.
PRE II 04 16 16 10.4–.86 26.42S 27.49E 2 2.2L

PRE Error ellipse: s-maj=3.4km s-min=2.2km az=-1.0.
PRE II 04 20 33 50.4–1.1 26.90S 26.68E 2 1.7L

PRE Error ellipse: s-maj=3.7km s-min=3.5km az=-1.0.
PRE II 04 23 21 14.6–.99 26.39S 27.42E 2 1.9L

PRE Error ellipse: s-maj=4.1km s-min=2.3km az=-1.0.
PRE II 04 23 40 49.1–.47 26.23S 28.17E 2 1.7L

PRE Error ellipse: s-maj=2.5km s-min=1.3km az=-1.0.
PRE II 05 00 45 27.0–1.1 26.41S 27.46E 2 1.9L

PRE Error ellipse: s-maj=3.8km s-min=2.5km az=-1.0.
PRE II 05 01 35 15.2–.91 26.43S 27.62E 2 1.7L

PRE Error ellipse: s-maj=2.7km s-min=2.5km az=-1.0.
PRE II 05 14 26 00.0–.79 26.42S 27.62E 2 3.1L

PRE Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.
PRE II 05 15 58 05.3–.58 27.01S 26.76E 2 2.0L

PRE Error ellipse: s-maj=1.7km s-min=2.4km az=-1.0.
PRE II 05 15 59 20.5–1.2 27.01S 26.69E 2 2.0L

PRE Error ellipse: s-maj=3.8km s-min=4.9km az=-1.0.
PRE II 05 17 07 27.1–.44 26.43S 27.47E 2 1.4L

PRE Error ellipse: s-maj=1.9km s-min=1.2km az=-1.0.
PRE II 05 17 48 31.2–.73 26.38S 27.52E 2 1.9L

PRE Error ellipse: s-maj=3.1km s-min=1.7km az=-1.0.
PRE II 05 19 25 49.4–.69 27.01S 26.61E 2 2.4L

PRE Error ellipse: s-maj=2.4km s-min=2.3km az=-1.0.
PRE II 06 17 24 48.2–2.4 26.38S 27.48E 2 2.5L

PRE Error ellipse: s-maj=4.9km s-min=4.8km az=-1.0.
PRE II 09 03 09 09.5–1.3 26.86S 26.86E 2 1.8L

PRE Error ellipse: s-maj=2.7km s-min=2.1km az=-1.0.
PRE II 09 10 08 45.2–1.7 28.62S 28.94E 5 1.8L

PRE Error ellipse: s-maj=6.2km s-min=8.1km az=-1.0.
PRE II 09 11 57 45.9–1.2 26.82S 26.76E 2 2.6L

PRE Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
PRE II 09 13 06 13.2–.80 26.48S 27.28E 2 2.0L

PRE Error ellipse: s-maj=1.6km s-min=2.1km az=-1.0.
PRE II 09 17 15 08.3–.94 26.38S 27.48E 2 2.3L

PRE Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0.
PRE II 09 17 18 25.2–.79 26.37S 27.44E 2 2.0L

PRE Error ellipse: s-maj=2.0km s-min=1.8km az=-1.0.
PRE II 09 17 29 00.9–1.0 26.40S 27.47E 2 2.1L

PRE Error ellipse: s-maj=2.5km s-min=2.4km az=-1.0.
PRE II 09 19 06 37.7–2.5 28.40S 28.83E 5 1.8L

PRE Error ellipse: s-maj=13.4km s-min=14.5km az=-1.0.
PRE II 10 07 20 55.4–1.3 26.47S 27.44E 2 2.4L

PRE Error ellipse: s-maj=3.2km s-min=3.3km az=-1.0.
PRE II 10 10 05 41.7–.67 26.20S 28.49E 2 1.8L

PRE Error ellipse: s-maj=3.1km s-min=6.7km az=-1.0.
PRE II 10 10 34 57.6–.28 26.28S 28.45E 2 1.5L

PRE Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0.
PRE II 10 14 04 47.6–1.1 28.16S 26.72E 2 1.6L

PRE Error ellipse: s-maj=3.2km s-min=2.4km az=-1.0.
PRE II 10 16 32 03.3–.69 26.39S 27.38E 2 1.9L

PRE Error ellipse: s-maj=1.9km s-min=1.8km az=-1.0.
PRE II 10 18 34 12.1–.82 26.43S 27.37E 2 1.5L

PRE Error ellipse: s-maj=2.7km s-min=6.1km az=-1.0.
PRE II 10 20 21 50.5–.96 26.42S 27.60E 2 1.6L

PRE Error ellipse: s-maj=2.1km s-min=2.3km az=-1.0.
PRE II 10 22 55 27.8–1.1 26.36S 27.37E 2 1.6L

PRE Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
PRE II 11 01 04 17.0–1.4 26.91S 26.61E 2 1.3L

PRE Error ellipse: s-maj=3.8km s-min=2.6km az=-1.0.
PRE II 11 06 58 57.8–1.2 26.48S 27.28E 2 2.0L

PRE Error ellipse: s-maj=4.6km s-min=4.3km az=-1.0.
PRE II 11 17 21 08.4–.98 26.41S 27.40E 2 1.3L

PRE Error ellipse: s-maj=2.5km s-min=2.7km az=-1.0.
PRE II 11 20 43 14.8–1.1 26.79S 26.63E 2 1.9L

PRE Error ellipse: s-maj=2.5km s-min=2.0km az=-1.0.
PRE II 11 23 39 46.5–.91 26.97S 26.84E 2 1.7L

PRE Error ellipse: s-maj=2.8km s-min=3.2km az=-1.0.
PRE II 12 00 04 29.0–1.2 27.01S 26.69E 2 2.5L

PRE Error ellipse: s-maj=2.6km s-min=2.2km az=-1.0.
PRE II 12 01 46 57.1–.99 26.10S 27.67E 2 2.5L

PRE Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
PRE II 12 06 16 16.5–.90 28.05S 26.76E 2 2.7L

PRE Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.

¶16311670
PRE II 12 09 43 38.7–.80 26.17S 28.20E 2 1.5L

¶16311671
PRE Error ellipse: s-maj=2.8km s-min=5.7km az=-1.0.
PRE II 12 11 02 49.3–1.3 27.76S 26.88E 2 1.9L

¶16311672
PRE Error ellipse: s-maj=4.1km s-min=7.4km az=-1.0.
PRE II 12 13 18 58.0–.65 26.33S 28.50E 2 1.8L

¶16311673
PRE Error ellipse: s-maj=3.2km s-min=6.1km az=-1.0.
PRE II 12 16 54 55.5–.83 26.48S 27.46E 2 1.7L

¶16311675
PRE Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0.
PRE II 12 17 40 30.6–.97 26.42S 27.31E 2 1.5L

¶16311677
PRE Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
PRE II 12 18 48 02.7–.98 26.44S 27.56E 2 1.9L

¶16311678
PRE Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0.
PRE II 12 19 29 53.7–.95 28.07S 26.65E 2 1.5L

¶16311679
PRE Error ellipse: s-maj=3.6km s-min=3.7km az=-1.0.
PRE II 12 22 56 33.8–1.1 26.32S 28.29E 2 1.7L

¶16311680
PRE Error ellipse: s-maj=2.5km s-min=6.8km az=-1.0.
PRE II 12 23 46 29.8–.86 26.39S 27.40E 2 1.8L

¶16311681
PRE Error ellipse: s-maj=1.8km s-min=1.7km az=-1.0.
PRE II 13 00 50 42.2–.57 25.64S 27.25E 2 1.6L

¶16311682
PRE Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0.
PRE II 13 00 57 35.5–1.4 27.91S 26.65E 2 1.5L

¶16311684
PRE Error ellipse: s-maj=3.5km s-min=2.9km az=-1.0.
PRE II 13 01 43 43.0–.94 27.89S 26.71E 2 1.8L

¶16311686
PRE Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0.
PRE II 13 03 32 06.1–.67 27.98S 26.72E 2 2.2L

¶16311687
PRE Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0.
PRE II 13 09 13 09.6–.40 26.41S 27.74E 2 1.6L

¶16311688
PRE Error ellipse: s-maj=1.2km s-min=3.8km az=-1.0.
PRE II 13 13 11 50.6–.90 26.37S 27.62E 2 2.3L

¶16311689
PRE Error ellipse: s-maj=2.3km s-min=2.2km az=-1.0.
PRE II 13 13 56 33.9–2.2 26.47S 27.39E 2 1.5L

¶16311690
PRE Error ellipse: s-maj=4.9km s-min=5.1km az=-1.0.
PRE II 13 16 59 37.2–.67 26.39S 27.45E 2 2.3L

¶16311691
PRE Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0.
PRE II 13 17 06 04.3–.88 26.41S 27.42E 2 1.5L

¶16311692
PRE Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0.
PRE II 13 17 34 01.9–1.0 26.41S 27.45E 2 2.0L

¶16311695
PRE Error ellipse: s-maj=3.2km s-min=2.8km az=-1.0.
PRE II 13 19 35 12.1–.96 26.42S 27.39E 2 1.9L

¶16313315
PRE Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
PRE II 13 20 06 26.5–.88 26.98S 26.62E 2 1.6L

¶16313316
PRE Error ellipse: s-maj=2.7km s-min=1.9km az=-1.0.
PRE II 13 20 12 05.1–.67 27.90S 26.69E 2 1.5L

¶16313317
PRE Error ellipse: s-maj=3.9km s-min=4.6km az=-1.0.
PRE II 14 10 06 03.7–.67 26.19S 27.80E 2 1.7L

¶16313318
PRE Error ellipse: s-maj=2.0km s-min=1.5km az=-1.0.
PRE II 14 10 19 45.4–.89 26.42S 27.48E 2 1.9L

¶16313319
PRE Error ellipse: s-maj=2.3km s-min=2.2km az=-1.0.
PRE II 14 10 46 29.4–1.2 27.05S 26.69E 2 1.8L

¶16313320
PRE Error ellipse: s-maj=2.7km s-min=4.0km az=-1.0.
PRE II 14 11 49 09.0–1.6 32.51S 19.73E 5 1.1L

¶16313321
PRE Error ellipse: s-maj=3.7km s-min=5.9km az=-1.0.
PRE II 14 12 24 06.6–1.0 26.43S 27.51E 2 1.9L

¶16313322
PRE Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0.
PRE II 14 13 53 40.0–.84 26.98S 26.80E 2 1.7L

¶16313323
PRE Error ellipse: s-maj=1.7km s-min=2.2km az=-1.0.
PRE II 14 14 05 49.2–1.2 26.39S 27.68E 2 1.5L

¶16313324
PRE Error ellipse: s-maj=4.5km s-min=2.8km az=-1.0.
PRE II 14 21 40 04.6–1.3 33.22S 19.10E 5 2.6L

¶16313325
PRE Error ellipse: s-maj=3.0km s-min=7.7km az=-1.0.
PRE II 14 22 15 30.8–.68 27.00S 26.67E 2 1.5L

¶16313326
PRE Error ellipse: s-maj=2.1km s-min=3.8km az=-1.0.
PRE II 15 01 49 25.9–.65 26.42S 27.35E 2 1.7L

¶16313327
PRE Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0.
PRE II 15 02 14 04.4–.99 26.37S 27.47E 2 1.9L

¶16313328
PRE Error ellipse: s-maj=2.6km s-min=2.2km az=-1.0.
PRE II 15 10 12 28.8–.69 26.42S 27.60E 2 1.6L

¶16313329
PRE Error ellipse: s-maj=4.1km s-min=2.2km az=-1.0.
PRE II 15 16 47 35.1–.99 26.40S 27.67E 2 1.8L

¶16313330
PRE Error ellipse: s-maj=3.0km s-min=2.2km az=-1.0.
PRE II 15 18 24 39.5–.54 26.42S 27.38E 2 2.0L

¶16313331
PRE Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0.
PRE II 16 01 10 03.0–2.2 26.94S 26.90E 2 2.9L

¶16313332
PRE Error ellipse: s-maj=4.3km s-min=4.2km az=-1.0.
PRE II 16 01 16 46.2–1.1 26.91S 26.86E 2 2.4L

¶16313333
PRE Error ellipse: s-maj=2.5km s-min=2.4km az=-1.0.
PRE II 16 12 11 34.7–1.2 28.07S 26.85E 2 1.8L

¶16313334
PRE Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
PRE II 16 13 52 49.4–.44 26.41S 27.63E 2 1.9L

¶16313335
PRE Error ellipse: s-maj=1.0km s-min=4.6km az=-1.0.
PRE II 16 16 40 47.7–1.2 26.42S 27.48E 2 1.8L

¶16313337
PRE Error ellipse: s-maj=2.5km s-min=2.7km az=-1.0.
PRE II 16 18 40 55.9–1.3 26.89S 26.84E 2 2.1L

¶16313338
PRE Error ellipse: s-maj=2.4km s-min=1.9km az=-1.0.
PRE II 17 02 52 13.3–.46 27.77S 26.58E 2 0.8L

¶16313339
PRE Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.
PRE II 17 03 18 05.5–.70 26.46S 27.40E 2 1.7L

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PRE Error ellipse: s-maj=2.2km s-min=4.2km az=-1.0.
PRE II 17 05 39 24.3–.97 26.39S 27.53E 2 1.5L

PRE Error ellipse: s-maj=2.6km s-min=3.3km az=-1.0.
PRE II 17 15 16 14.7–.76 25.38S 27.20E 2 2.1L

PRE Error ellipse: s-maj=5.1km s-min=7.1km az=-1.0.
PRE II 17 15 43 39.8–.86 26.40S 27.34E 2 2.8L

PRE Error ellipse: s-maj=1.7km s-min=1.5km az=-1.0.
PRE II 17 17 07 26.1–2.0 26.42S 27.51E 2 2.2L

PRE Error ellipse: s-maj=4.2km s-min=4.3km az=-1.0.
PRE II 17 18 29 48.1–.38 28.02S 26.67E 2 1.6L

PRE Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0.
PRE II 17 20 56 20.6–.79 26.41S 27.69E 2 1.4L

PRE Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0.
PRE II 18 09 41 32.2–.79 29.80S 19.02E 5 2.0L

PRE Error ellipse: s-maj=6.3km s-min=10.6km az=-1.0.
PRE II 18 16 05 24.6–.26 26.42S 27.43E 2 1.5L

PRE Error ellipse: s-maj=1.0km s-min=3.1km az=-1.0.
PRE II 18 16 15 45.6–.64 26.48S 27.40E 2 1.5L

PRE Error ellipse: s-maj=2.5km s-min=9.0km az=-1.0.
PRE II 18 16 55 35.0–.58 26.42S 27.51E 2 2.4L

PRE Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
PRE II 18 17 19 13.3–.60 26.43S 27.48E 2 1.7L

PRE Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
PRE II 18 22 40 48.0–2.0 26.22S 28.19E 2 1.6L

PRE Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
PRE II 19 00 03 23.5–.74 26.29S 28.33E 2 1.7L

PRE Error ellipse: s-maj=2.7km s-min=6.6km az=-1.0.
PRE II 19 01 35 49.2–.87 27.71S 26.65E 2 1.2L

PRE Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
PRE II 19 07 50 14.3–1.0 26.42S 27.50E 2 2.7L

PRE Error ellipse: s-maj=2.0km s-min=2.0km az=-1.0.
PRE II 19 14 09 17.6–1.4 26.28S 28.37E 2 1.9L

PRE Error ellipse: s-maj=5.9km s-min=11.7km az=-1.0.
PRE II 19 16 12 01.3–1.9 26.44S 27.42E 2 2.2L

PRE Error ellipse: s-maj=4.8km s-min=4.0km az=-1.0.
PRE II 19 17 20 07.4–1.5 26.47S 27.60E 2 1.5L

PRE Error ellipse: s-maj=3.3km s-min=4.4km az=-1.0.
PRE II 19 21 25 41.8–3.1 26.51S 27.61E 2 2.8L

PRE Error ellipse: s-maj=5.9km s-min=7.3km az=-1.0.
PRE II 20 13 44 04.0–.88 26.98S 26.58E 2 1.7L

PRE Error ellipse: s-maj=2.9km s-min=2.1km az=-1.0.
PRE II 20 14 11 10.1–1.1 26.47S 27.36E 2 1.7L

PRE Error ellipse: s-maj=3.5km s-min=7.6km az=-1.0.
PRE II 20 14 25 17.2–.94 25.74S 27.72E 2 1.5L

PRE Error ellipse: s-maj=3.7km s-min=4.4km az=-1.0.
PRE II 21 11 57 22.3–.48 26.40S 27.76E 2 1.8L

PRE Error ellipse: s-maj=2.8km s-min=2.1km az=-1.0.
PRE II 23 10 08 08.1–1.6 26.44S 27.49E 2 3.0L

PRE Error ellipse: s-maj=4.0km s-min=4.1km az=-1.0.
PRE II 23 10 59 05.4–.69 26.39S 27.61E 2 2.0L

PRE Error ellipse: s-maj=3.0km s-min=4.2km az=-1.0.
PRE II 23 20 21 32.6–2.3 28.00S 26.70E 2 1.6L

PRE Error ellipse: s-maj=8.3km s-min=6.7km az=-1.0.
PRE II 24 08 14 32.9–1.1 26.35S 27.73E 2 1.7L

PRE Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
PRE II 24 12 49 48.7–1.1 25.79S 27.69E 2 1.8L

PRE Error ellipse: s-maj=2.9km s-min=2.4km az=-1.0.
PRE II 24 16 20 59.8–1.1 26.41S 27.44E 2 1.6L

PRE Error ellipse: s-maj=2.6km s-min=3.8km az=-1.0.
PRE II 24 16 25 23.6–1.2 26.40S 27.45E 2 1.9L

PRE Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0.
PRE II 24 17 34 24.1–1.1 26.40S 27.50E 2 2.1L

PRE Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0.
PRE II 24 17 36 47.1–.78 26.41S 27.46E 2 2.1L

PRE Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0.
PRE II 25 12 21 59.4–1.4 26.39S 27.45E 2 2.0L

PRE Error ellipse: s-maj=2.7km s-min=2.8km az=-1.0.
PRE II 25 13 18 08.6–.72 25.23S 26.96E 2 1.8L

PRE Error ellipse: s-maj=3.7km s-min=4.3km az=-1.0.
PRE II 25 17 51 57.6–.82 26.37S 27.44E 2 1.7L

PRE Error ellipse: s-maj=1.5km s-min=1.4km az=-1.0.
PRE II 25 18 40 51.2–.84 26.94S 26.77E 2 1.1L

PRE Error ellipse: s-maj=1.8km s-min=1.9km az=-1.0.
PRE II 25 22 15 58.3–1.3 26.42S 27.54E 2 1.4L

PRE Error ellipse: s-maj=2.9km s-min=4.4km az=-1.0.
PRE II 26 14 18 18.9–.72 25.75S 27.79E 2 2.1L

PRE Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0.
PRE II 26 14 30 31.5–1.0 26.38S 27.44E 2 2.4L

PRE Error ellipse: s-maj=1.8km s-min=1.6km az=-1.0.
PRE II 26 17 03 49.4–1.2 26.40S 27.45E 2 2.0L

PRE Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0.
PRE II 26 17 10 00.5–.69 26.85S 26.77E 2 1.6L

PRE Error ellipse: s-maj=2.0km s-min=2.5km az=-1.0.
PRE II 27 00 56 51.3–.47 26.49S 27.27E 2 1.5L

PRE Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
PRE II 27 01 29 44.0–.56 26.43S 27.54E 2 1.7L

PRE Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0.
PRE II 27 11 01 59.2–.49 26.13S 27.72E 2 1.9L

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PRE Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
PRE II 27 13 50 51.3–2.0 26.40S 27.66E 2 2.3L

¶16314348

PRE Error ellipse: s-maj=3.5km s-min=3.7km az=-1.0.
PRE II 27 16 12 10.0–1.1 28.10S 26.79E 2 1.6L

¶16314349

PRE Error ellipse: s-maj=5.7km s-min=6.2km az=-1.0.
PRE II 27 16 50 34.0–1.2 26.42S 27.47E 2 2.9L

¶16314350

PRE Error ellipse: s-maj=2.0km s-min=2.0km az=-1.0.
PRE II 27 17 16 40.0–1.7 26.34S 27.46E 2 2.3L

¶16314351

PRE Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0.
PRE II 27 20 09 44.0–.71 26.98S 26.58E 2 2.0L

¶16314352

PRE Error ellipse: s-maj=1.6km s-min=1.2km az=-1.0.
PRE II 28 08 31 54.5–.54 26.44S 27.52E 2 1.6L

¶16314356

PRE Error ellipse: s-maj=1.3km s-min=2.1km az=-1.0.
PRE II 28 08 48 30.1–.47 26.36S 27.72E 2 1.7L

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PRE Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
PRE II 28 12 19 37.8–.86 25.70S 27.46E 2 1.7L

¶16314358

PRE Error ellipse: s-maj=3.1km s-min=2.4km az=-1.0.
PRE II 28 14 24 36.1–.48 25.04S 27.08E 2 1.8L

¶16314359

PRE Error ellipse: s-maj=2.0km s-min=1.3km az=-1.0.
PRE II 28 14 27 04.7–1.2 26.42S 27.58E 2 2.4L

¶16314360

PRE Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0.
PRE II 28 15 53 48.0–.67 26.35S 27.47E 2 2.2L

¶16314361

PRE Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
PRE II 28 16 08 46.3–.31 27.02S 26.60E 2 1.4L

¶16314362

PRE Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
PRE II 28 20 14 02.7–.79 26.41S 27.52E 2 1.9L

¶16314364

PRE Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0.
ISC III 13 07 51 29.7–.79 26.91S–.03 26.81E–.03 6–4 4.2b 100 0-149
ISCJB III 13 07 51 29.1–.40 26.98S–.03 26.81E–.03 9–2 4.0b **¶12703148**
PRE III 13 07 51 29.0–3.4 26.94S 26.85E 2 4.0L
IDC III 13 07 51 29.9–.65 26.93S 26.71E 0 4.4L,4.2
DJA III 13 07 51 29.4–.50 27S–3.0 27E–6.0 10 5.7b,5.2
NEIC III 13 07 51 29.7 26.94S 26.84E 2 4.4b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=41.9.
PRE Error ellipse: s-maj=4.7km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=17.1km s-min=9.9km az=99.0.
NEIC Event type se. After PRE.
ISC III 16 14 05 43.8–.72 26.94S–.02 26.74E–.03 7–4 4.7b 198 0-149
PRE III 16 14 05 42.4–3.0 26.92S 26.75E 2 4.4L **¶12085993**
ISCJB III 16 14 05 42.9–.34 26.97S–.02 26.73E–.03 11–2 4.4b
NEIC III 16 14 05 42.3 26.95S 26.75E 2 5.0b,4.4L
MOS III 16 14 05 43.4–.65 26.89S 26.67E 10 5.1b,4.4L
SZGRF III 16 14 05 43.7 26.84S 29.47E 33 4.7b,4.4L
IDC III 16 14 05 43.2–.49 26.94S 26.67E 0 4.8L,4.5
ISC Event type se.
PRE Error ellipse: s-maj=3.9km s-min=4.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.1km az=44.9.
NEIC Event type se. After PRE.
MOS Error ellipse: s-maj=16.7km s-min=9.7km az=87.8.
SZGRF South Africa.
IDC Error ellipse: s-maj=13.3km s-min=9.1km az=100.0.
ISC III 28 11 16 22.8–1.0 26.37S–.02 27.40E–.03 6–7 4.0b,3.8s 63 0-149
ISCJB III 28 11 16 22.2–.51 26.40S–.03 27.44E–.03 9–4 3.9b,3.8s **¶12635768**
PRE III 28 11 16 22.4–2.3 26.44S 27.45E 2 3.4L,3.8s
IDC III 28 11 16 23.6–.87 26.35S 27.44E 0 4.2,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.2km az=39.7.
PRE Error ellipse: s-maj=2.7km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=19.9km s-min=13.2km az=64.0.
PRE IV 04 05 53 55.7–1.9 26.36S 27.49E 2 2.5L

¶13653139

PRE Error ellipse: s-maj=3.2km s-min=3.3km az=-1.0.
PRE IV 06 06 20 56.7–2.4 26.43S 27.48E 2 2.4L

¶13653151

PRE Error ellipse: s-maj=3.9km s-min=4.4km az=-1.0.
PRE IV 15 16 39 27.9–2.2 26.40S 27.48E 2 3.1L

¶13653214

PRE Error ellipse: s-maj=3.2km s-min=3.3km az=-1.0.
PRE IV 16 18 04 31.1–3.5 26.41S 27.47E 2 3.3L

¶13653221

PRE Error ellipse: s-maj=4.4km s-min=4.8km az=-1.0.
ISC IV 17 20 57 00.9–.92 26.41S–.03 27.35E–.03 16–7 38 0-11
BUL IV 17 20 56 59.8–.30 22.16S 21.73E 15 4.9 **¶13653229**
PRE IV 17 20 57 00.5–2.5 26.43S 27.36E 2 3.9L
ISCJB IV 17 20 57 00.9–.48 26.42S–.03 27.35E–.03 22–5 3.9L
ISC Event type ke.
ISCJB Event type ke.
ISC IV 18 02 38 18.4–1.2 26.90S–.03 26.74E–.03 1–7 4.2b 100 1-149
ISCJB IV 18 02 38 16.7–.81 27.02S–.03 26.73E–.03 2–5 4.1b,2.9s **¶12935582**
PRE IV 18 02 38 17.6–2.9 26.97S 26.78E 2 4.5L,2.9s
IDC IV 18 02 38 18.9–.59 26.93S 26.72E 0 4.4L,4.2
NEIC IV 18 02 38 19.5–.33 26.91S 26.75E 5 4.4b,4.1L
BUL IV 18 02 40 40.4–.30 21.26S 25.92E 15 4.2,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.7km az=137.5.
PRE Error ellipse: s-maj=3.8km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=16.8km s-min=9.9km az=96.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.0km az=101.0.
BUL Error ellipse: s-maj=7.5km s-min=5.6km az=-1.0.
ISC IV 20 17 56 27.4–.96 26.38S–.03 27.46E–.03 9–7 28 0-8
PRE IV 20 17 56 27.2–2.2 26.41S 27.47E 2 3.2L **¶13653241**
ISCJB IV 20 17 56 27.1–.62 26.40S–.03 27.48E–.03 6–4 3.2L
ISC Event type ke.
ISCJB Event type ke.
PRE IV 24 20 01 41.8–2.6 26.40S 27.50E 2 3.1L

¶13653261

PRE Error ellipse: s-maj=3.8km s-min=4.1km az=-1.0.
PRE V 01 21 26 03.1–2.1 26.40S 27.59E 2 2.4L

¶13653295

PRE Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
PRE V 04 01 25 03.3–2.1 26.38S 27.68E 2 2.6L

¶13653304

PRE Error ellipse: s-maj=5.1km s-min=3.9km az=-1.0.
PRE V 04 19 30 09.8–1.0 26.43S 27.28E 2 2.8L

¶13653308

PRE Error ellipse: s-maj=2.6km s-min=2.2km az=-1.0.
PRE V 18 16 16 19.9–3.0 26.44S 27.38E 2 3.7L

¶13653392

PRE Error ellipse: s-maj=3.3km s-min=3.6km az=-1.0.
PRE V 20 05 44 34.2–1.9 26.41S 27.59E 2 2.6L

¶13653412

PRE Error ellipse: s-maj=2.8km s-min=3.3km az=-1.0.
PRE V 21 04 03 34.5–4.0 28.63S 28.99E 5 3.7L

¶13653422

PRE Error ellipse: s-maj=6.2km s-min=8.3km az=-1.0.
PRE V 21 04 03 57.2–3.5 28.64S 28.98E 5 3.5L

¶13653423
PRE Error ellipse: s-maj=9.2km s-min=10.4km az=-1.0.
ISC V 22 10 16 32.8–1.1 26.35S–.03 27.32E–.03 9–8 39 0-149
PRE V 22 10 16 32.8–3.5 26.42S 27.37E 2 3.4L ¶13653437
ISCJB V 22 10 16 33.3–.59 26.41S–.03 27.38E–.03 17–7 3.9b,3.7s
IDC V 22 10 16 35.8–3.3 26.32S 26.88E 0 3.9b,3.7
ISC Event type ke.
PRE Error ellipse: s-maj=4.8km s-min=4.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=144.1.
IDC Error ellipse: s-maj=92.8km s-min=16.4km az=109.0.
ISC V 25 05 05 54.2–.97 26.36S–.03 27.44E–.03 9–7 4.0b 48 0-149
ISCJB V 25 05 05 53.7–.57 26.34S–.02 27.41E–.03 8–4 3.9b ¶13653454
IDC V 25 05 05 54.5–1.2 26.40S 27.48E 0 3.9,3.9
PRE V 25 05 05 54.1–3.3 26.38S 27.42E 2 3.8L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=37.8.
IDC Error ellipse: s-maj=39.0km s-min=21.1km az=104.0.
PRE Error ellipse: s-maj=3.8km s-min=4.4km az=-1.0.
PRE V 29 16 56 51.6–3.1 26.44S 27.47E 2 3.8L
¶13653682
PRE Error ellipse: s-maj=4.3km s-min=5.1km az=-1.0.
ISC VI 05 08 04 48.3–1.2 26.87S–.03 26.80E–.03 10–9 42 1-149
ISCJB VI 05 08 04 47.7–.85 26.96S–.03 26.81E–.03 8–6 3.4b ¶13653809
PRE VI 05 08 04 47.8–2.3 26.91S 26.84E 2 3.5L
IDC VI 05 08 04 48.4–1.7 26.89S 26.75E 0 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=143.6.
PRE Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=27.9km s-min=11.3km az=91.0.
PRE VI 20 08 06 50.8–2.9 26.42S 27.48E 2 3.9L
¶13653905
PRE Error ellipse: s-maj=3.6km s-min=4.1km az=-1.0.
ISC VI 24 14 50 05.1–.90 26.40S–.03 27.35E–.03 16–6 3.8b 50 0-149
ISCJB VI 24 14 50 04.4–.62 26.44S–.03 27.33E–.03 11–4 3.8b ¶13653925
PRE VI 24 14 50 04.3–3.5 26.44S 27.38E 2 3.8L
IDC VI 24 14 50 05.0–1.0 26.42S 27.33E 0 4.0,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=31.6.
PRE Error ellipse: s-maj=4.2km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=12.7km az=66.0.

(585) Lesotho.

PRE V 20 22 44 06.4–3.5 29.65S 27.69E 5 3.6L
¶13653420
PRE Error ellipse: s-maj=5.1km s-min=8.9km az=-1.0.

(586) Swaziland.

PRE II 18 19 59 42.6–2.2 26.58S 31.67E 10 3.4L
¶16313946
PRE Error ellipse: s-maj=6.2km s-min=11.2km az=-1.0.

(587) Off coast of South Africa.

PRE I 07 13 51 37.5–2.9 37.68S 31.56E 5 3.8L
¶13404660
PRE Error ellipse: s-maj=17.2km s-min=18.9km az=-1.0.

(743) Western Sahara.

IDC I 03 17 05 47.7–3.1 23.04N 12.48W 0 3.8,3.8b
¶12079913
IDC Error ellipse: s-maj=104.2km s-min=42.7km az=81.0.

(744) Mauritania.

IDC I 03 11 08 57.6–2.5 22.57N 11.49W 0 3.8L,3.7
¶12079894
IDC Error ellipse: s-maj=78.3km s-min=34.5km az=78.0.
IDC II 19 12 27 44.4–1.6 22.67N 12.44W 0 3.8,3.7
¶15956711
IDC Error ellipse: s-maj=43.9km s-min=41.4km az=147.0.
IDC II 28 18 48 09.5–1.9 16.45N 9.60W 0 3.8,3.7
¶15957543
IDC Error ellipse: s-maj=48.6km s-min=25.0km az=66.0.
IDC III 09 17 18 19.1–3.0 22.91N 11.60W 0 3.8b,3.8
¶12702810
IDC Error ellipse: s-maj=103.9km s-min=30.7km az=85.0.
ISC III 10 14 26 23.3–1.3 22.6N–.20 11.2W–.30 10 8 15-148
IDC III 10 14 26 21.3–2.7 22.68N 11.32W 0 3.5b,3.5 ¶12702879
ISC Event type ke.
IDC Error ellipse: s-maj=91.2km s-min=39.9km az=69.0.
IDC III 11 15 09 03.0–3.2 22.32N 11.90W 0 3.5,3.5
¶12702977
IDC Error ellipse: s-maj=148.1km s-min=43.7km az=67.0.
IDC III 17 21 59 36.2–1.3 19.61N 13.15W 0 3.9L,3.9
¶12703541
IDC Error ellipse: s-maj=29.7km s-min=16.9km az=113.0.
IDC III 18 17 42 09.1–3.0 22.98N 11.71W 0 3.8,3.7b
¶12703604
IDC Error ellipse: s-maj=101.7km s-min=39.6km az=86.0.
IDC IV 03 13 03 41.3–2.9 22.85N 11.88W 0 3.9,3.9b
¶16152310
IDC Error ellipse: s-maj=93.1km s-min=34.7km az=84.0.
IDC IV 14 14 32 03.0–3.1 22.42N 11.60W 0 3.5,3.5
¶16152787
IDC Error ellipse: s-maj=126.0km s-min=52.4km az=52.0.
IDC V 04 18 23 09.0–3.6 22.74N 11.89W 0 3.7,3.7b
¶16154904
IDC Error ellipse: s-maj=112.2km s-min=32.8km az=83.0.
IDC V 24 10 04 22.3–2.5 22.68N 11.50W 0 3.7,3.6
¶16156093
IDC Error ellipse: s-maj=78.2km s-min=32.0km az=79.0.
IDC V 27 18 47 34.4–2.6 22.90N 11.60W 0 3.8,3.8b
¶16156234
IDC Error ellipse: s-maj=78.3km s-min=34.3km az=75.0.
IDC VI 11 09 49 27.1–3.0 22.74N 11.71W 0 3.6b,3.5
¶16101202
IDC Error ellipse: s-maj=106.8km s-min=49.3km az=55.0.
IDC VI 29 15 18 20.2–3.3 22.62N 11.92W 0 3.7,3.5
¶16101866
IDC Error ellipse: s-maj=82.4km s-min=33.9km az=92.0.

SEISMIC REGION 38. Australia.

(588) Northwest of Australia.

IDC II 20 23 50 53.5–2.5 12.15S 115.21E 0 3.6,3.5
DJA II 20 23 50 53 10.65S 114.56E 10 4.1,3.5 ¶12701381
IDC Error ellipse: s-maj=129.4km s-min=22.1km az=44.0.

(590) Western Australia.

ISC I 30 17 33 08.9–1.7 30.23S–.04 117.86E–.05 1–12 30 1-148
IDC I 30 17 33 10.2–1.1 30.41S 118.41E 0 4.6,4.4 ¶12082752
ISC Event type ke.
IDC Error ellipse: s-maj=53.4km s-min=14.4km az=114.0.
ISC I 30 21 50 19.5–1.7 30.21S–.05 117.90E–.07 12–13 14 1-20
IDC I 30 21 50 19.2–3.7 30.25S 118.02E 0 3.9,3.8L ¶12082765
ISC Event type ke.
IDC Error ellipse: s-maj=70.0km s-min=17.3km az=119.0.
ISC I 31 08 47 02.6–1.7 30.24S–.04 117.82E–.05 3–11 4.2b 41 1-148
IDC I 31 08 47 02.4–.95 30.33S 118.65E 0 4.5,4.4L ¶12082800
NEIC I 31 08 47 03.0 30.23S 117.78E 2 4.6L,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=35.6km s-min=15.9km az=133.0.
NEIC Event type se. After AUST.
ISC I 31 11 55 19.0–1.8 30.22S–.04 117.86E–.05 1–12 4.0b 50 1-148
IDC I 31 11 55 19.9–.90 30.24S 118.19E 0 4.6,4.4L ¶12082819
NEIC I 31 11 55 21.0 30.22S 117.80E 0 4.4L,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=19.2km az=114.0.
NEIC Event type se. After AUST.
ISC II 01 00 42 39.5–2.0 30.29S–.05 118.30E–.07 5–13 3.9b 21 1-148
IDC II 01 00 42 39.7–1.1 30.25S 118.32E 0 4.1,4.1L ¶15954806
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=23.3km az=114.0.
ISC II 01 21 57 39.4–1.6 30.30S–.05 118.32E–.06 11–11 23 1-148
IDC II 01 21 57 38.9–1.1 30.37S 118.31E 0 4.1,4.0 ¶15954842
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=15.9km az=116.0.
ISC III 05 12 53 50.7–.57 30.24S–.07 118.04E–.08 5 4.2b 38 3-148
ISCJB III 05 12 53 48.9–.58 30.12S–.07 118.24E–.07 5 4.1b,4.0s ¶12702493
IDC III 05 12 53 50.4–.82 30.20S 118.21E 0 4.5,4.3L
NEIC III 05 12 53 51.0 30.21S 117.77E 0 4.6b,4.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=8.4km az=152.4.
IDC Error ellipse: s-maj=32.3km s-min=18.9km az=102.0.
NEIC Event type se. After AUST.
AUST III 05 20 59 30.6–1.8 30.28S 117.65E 21–0
¶15153070
AUST Error ellipse: s-maj=1.6km s-min=1.0km az=260.0.
ISC III 06 01 35 57.6–.33 16.27S–.04 121.24E–.04 10 4.8b,3.9s 131 5-147
ISCJB III 06 01 35 54.6–.24 16.26S–.03 121.24E–.04 10 4.7b,3.8s ¶11757254
BJI III 06 01 35 55.8 16.20S 121.20E 6 5.1s,5.1b
IDC III 06 01 35 56.4–.72 16.08S 121.20E 0 4.6,4.6
NEIC III 06 01 35 57.7–.26 16.17S 121.30E 10 5.1L,4.7b
DJA III 06 01 35 58.5–.30 16S–4.0 121E–3.0 30 6.1,5.6b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt at Broome.
AUST III 14 23 49 07.3–1.6 30.31S 117.86E 0–0
¶15153199
AUST Error ellipse: s-maj=1.5km s-min=1.1km az=244.0.
AUST III 16 07 26 01.2–.88 31.50S 117.15E 7–0
¶15153226
AUST Error ellipse: s-maj=1.7km s-min=0.8km az=244.0.
ISC IV 08 05 31 55.7–.89 33.9S–.10 117.32E–.10 10 4.0b 24 1-145
NEIC IV 08 05 31 50.0 34.15S 116.88E 0 4.1L,3.6b ¶12934826
IDC IV 08 05 31 54.1–1.0 34.09S 117.22E 0 4.5L,4.3
DJA IV 08 05 32 01.8–3.6 34S–29 117E–20 27–9 5.4b,5.2
ISC Event type se.
NEIC Event type se. After AUST.
AUST V 06 22 59 37.4–.78 30.29S 117.75E 4–0
¶16360090
AUST Error ellipse: s-maj=1.3km s-min=0.9km az=246.0.
AUST V 16 07 44 19.4–2.6 33.46S 116.61E 9–0
¶16349373
AUST Error ellipse: s-maj=3.4km s-min=0.8km az=273.0.
AUST V 27 04 58 59.2 32.74S 116.42E 10
¶16350077
IDC VI 04 11 38 28.6–1.5 17.53S 128.26E 0 3.2b,2.9
¶16100936
IDC Error ellipse: s-maj=28.1km s-min=14.6km az=5.0.
IDC VI 21 06 08 44.6–11 29.97S 125.10E 0 3.5,3.4
¶16101561
IDC Error ellipse: s-maj=126.5km s-min=69.4km az=82.0.
ISC VI 25 15 16 48.4–.62 30.64S–.07 118.02E–.08 9 3.9b 38 2-148
ISCJB VI 25 15 16 46.8–.54 30.53S–.05 117.93E–.07 9 3.9b,3.6s ¶13682014
IDC VI 25 15 16 47.3–.79 30.59S 117.93E 0 4.6L,4.3
NEIC VI 25 15 16 49.0 30.62S 117.47E 0 4.2b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.5km az=35.9.
IDC Error ellipse: s-maj=37.2km s-min=13.3km az=103.0.
NEIC Event type se. After AUST.

(591) Northern Territory.

IDC II 18 17 47 18.4–1.6 19.91S 134.05E 0 3.6,3.5
¶15956575
IDC Error ellipse: s-maj=9.1km s-min=2.2km az=98.0.
IDC VI 05 19 00 21.4–1.5 17.86S 131.48E 0 3.6,3.6L
¶16100991
IDC Error ellipse: s-maj=21.6km s-min=14.2km az=35.0.

(592) South Australia.

IDC I 21 05 14 59.5–3.8 30.45S 138.48E 0 3.1,3.0
¶12081948
IDC Error ellipse: s-maj=94.1km s-min=15.6km az=43.0.
IDC I 29 05 15 13.0–3.6 30.24S 138.49E 0 3.0,2.9
¶12082642
IDC Error ellipse: s-maj=99.9km s-min=16.0km az=43.0.
ISC I 30 08 17 33.5–.96 30.86S–.08 139.02E–.05 10 12 2-12
ISCJB I 30 08 17 31.5–.65 30.76S–.06 139.03E–.06 10 ¶12082728
IDC I 30 08 17 34.1–3.9 30.68S 139.19E 0 3.1,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.1km az=32.9.
IDC Error ellipse: s-maj=118.8km s-min=16.7km az=41.0.
IDC II 05 05 15 13.6–3.9 30.04S 138.76E 0 2.9,2.9
¶15955056
IDC Error ellipse: s-maj=141.6km s-min=18.5km az=45.0.
IDC II 16 05 15 11.5–3.4 30.12S 138.70E 0 3.1,3.0
¶15956244
IDC Error ellipse: s-maj=110.7km s-min=17.0km az=45.0.
IDC II 17 20 26 14.5–4.0 29.62S 138.30E 0 2.9,2.9
¶15956441
IDC Error ellipse: s-maj=160.8km s-min=17.4km az=47.0.
IDC II 19 06 05 05.4–2.7 30.20S 138.61E 0 3.5,3.3
¶15956691
IDC Error ellipse: s-maj=86.9km s-min=14.6km az=42.0.
IDC II 27 17 13 30.3–2.8 29.06S 138.55E 0 3.0,2.9
¶15957465
IDC Error ellipse: s-maj=142.1km s-min=19.7km az=51.0.
IDC III 05 20 13 08.4–3.6 31.13S 138.73E 0 3.5,3.3
¶12702518
IDC Error ellipse: s-maj=67.7km s-min=15.8km az=35.0.
IDC III 11 05 15 01.1–3.9 29.95S 138.82E 0 2.9,2.9
¶12702952
IDC Error ellipse: s-maj=164.3km s-min=17.0km az=47.0.
IDC III 14 13 09 23.2–3.7 28.42S 135.74E 0 3.0,3.0
¶12703259
IDC Error ellipse: s-maj=66.6km s-min=17.5km az=55.0.
IDC III 18 05 15 23.1–2.6 30.32S 138.42E 0 3.4,3.3
¶12703566
IDC Error ellipse: s-maj=66.3km s-min=14.7km az=42.0.
IDC III 19 00 59 54.6–3.1 30.44S 138.18E 0 3.4,3.3
¶12703628
IDC Error ellipse: s-maj=79.5km s-min=15.1km az=39.0.
IDC III 25 05 15 05.2–4.5 30.30S 138.25E 0 3.0,3.0
¶12635524
IDC Error ellipse: s-maj=113.9km s-min=17.0km az=42.0.
IDC IV 01 05 39 59.2–3.2 30.30S 138.40E 0 2.9,2.9
¶16152209
IDC Error ellipse: s-maj=73.5km s-min=15.7km az=44.0.
IDC IV 08 06 14 57.6–3.1 30.17S 138.44E 0 3.0,3.0
¶16152537
IDC Error ellipse: s-maj=75.3km s-min=15.1km az=45.0.
IDC IV 30 06 15 15.8–2.9 30.25S 138.49E 0 3.3,3.3

IDC Error ellipse: s-maj=69.1km s-min=15.0km az=44.0.
IDC V 05 06 59 51.3–3.9 30.68S 138.10E 0 3.0,2.9
¶16154656

IDC Error ellipse: s-maj=78.5km s-min=16.6km az=39.0.
IDC V 06 06 14 59.3–4.0 30.03S 138.79E 0 3.0,2.9
¶16154922

IDC Error ellipse: s-maj=162.2km s-min=16.2km az=46.0.
IDC V 12 06 15 04.7–2.8 29.96S 138.37E 0 3.4,3.3
¶16155441

IDC Error ellipse: s-maj=75.9km s-min=21.2km az=47.0.
IDC V 21 06 14 56.9–4.3 30.50S 138.20E 0 3.0,3.0
¶16155665

IDC Error ellipse: s-maj=100.3km s-min=16.9km az=41.0.
IDC V 27 06 14 52.1–3.0 30.48S 138.24E 0 3.5,3.4
¶16155982

IDC Error ellipse: s-maj=70.6km s-min=14.5km az=40.0.
IDC V 29 11 21 36.2–4.5 30.65S 138.50E 0 3.2,3.2
¶16156210

IDC Error ellipse: s-maj=108.1km s-min=15.9km az=39.0.
IDC V 29 12 20 50.5–3.4 30.88S 138.18E 0 3.8,3.6
¶16156306

IDC Error ellipse: s-maj=66.8km s-min=18.3km az=38.0.
ISC V 29 14 45 10.0–.92 30.93S–.07 138.15E–.06 10 16 3-17
ISCJB V 29 14 45 08.1–.69 30.86S–.05 138.23E–.07 10 ¶15155582
IDC V 29 14 45 08.8–3.3 30.95S 138.14E 0 3.9,3.7
AUST V 29 14 45 11.2–99 31.01S 138.18E 11–0 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.3km az=139.0.
IDC Error ellipse: s-maj=62.1km s-min=18.4km az=38.0.
AUST Error ellipse: s-maj=1.4km s-min=1.2km az=11.0.
IDC VI 08 17 13 01.2–4.2 30.72S 138.31E 0 3.1,3.0
¶16101113

IDC Error ellipse: s-maj=92.8km s-min=19.7km az=44.0.
IDC VI 10 06 14 43.4–5.2 30.78S 137.96E 0 2.9,2.9
¶16101172

IDC Error ellipse: s-maj=111.6km s-min=19.3km az=37.0.

(594) Queensland.

IDC I 21 05 11 26.8–4.5 21.47S 148.33E 0 3.4b,3.4
¶12081947

IDC Error ellipse: s-maj=54.7km s-min=23.9km az=59.0.
IDC II 05 02 42 26.6–1.8 22.38S 148.20E 0 3.6,3.6b
¶15955052

IDC Error ellipse: s-maj=27.0km s-min=18.1km az=70.0.
IDC II 07 05 39 33.8–4.4 22.16S 148.12E 0 3.6,3.5
¶15955169

IDC Error ellipse: s-maj=44.2km s-min=23.5km az=75.0.
IDC II 23 03 35 24.1–2.4 22.82S 148.36E 0 3.6,3.4
¶15957024

IDC Error ellipse: s-maj=31.6km s-min=18.8km az=75.0.
ISC III 11 01 26 39.2–1.6 23.78S–.07 150.2E–.10 10 11 2-15
IDC III 11 01 26 38.6–7.1 23.72S 150.06E 0 3.4,3.3 ¶12702937
AUST III 11 01 27 08.1–99 26.95S 150.44E 20–0 3.4,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=76.8km s-min=30.8km az=88.0.
AUST Error ellipse: s-maj=2.7km s-min=1.5km az=357.0.
ISC IV 02 01 00 37.3–1.2 23.05S–.07 148.60E–.09 10 14 3-30
IDC IV 02 01 00 35.2–4.4 22.87S 148.70E 0 3.6,3.5 ¶15153517
ISCJB IV 02 01 00 35.1–1.1 23.00S–.07 148.61E–.10 10 3.6,3.5
AUST IV 02 01 00 37.8–99 22.98S 148.68E 21–0 3.6,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=23.8km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=15.2km s-min=7.4km az=144.0.
AUST Error ellipse: s-maj=2.4km s-min=1.2km az=242.0.
ISC IV 06 04 23 55.2–1.2 22.17S–.08 148.21E–.09 10 14 3-147
ISCJB IV 06 04 23 54.2–1.4 22.3S–.10 148.10E–.10 10 ¶16152435
IDC IV 06 04 23 55.2–2.2 22.14S 148.11E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=8.9km az=38.3.
IDC Error ellipse: s-maj=30.0km s-min=19.2km az=61.0.
ISC V 13 03 43 19.9–1.1 22.92S–.06 148.75E–.08 10 18 3-33
ISCJB V 13 03 43 18.7–.93 22.97S–.06 148.68E–.08 10 3.6b ¶15154295
IDC V 13 03 43 19.7–3.9 22.90S 148.69E 0 3.7,3.6
AUST V 13 03 43 21.8–99 23.02S 148.77E 22–0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=7.9km az=157.2.
IDC Error ellipse: s-maj=40.9km s-min=19.4km az=86.0.
AUST Error ellipse: s-maj=2.2km s-min=0.9km az=244.0.
ISC V 22 04 16 45.9–1.8 22.36S–.10 148.0E–.20 10 10 3-147
IDC V 22 04 16 42.2–2.5 22.52S 148.11E 0 3.6,3.5 ¶15154469
AUST V 22 04 16 52.8–99 22.13S 147.74E 28–2 3.6,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=18.8km az=78.0.
AUST Error ellipse: s-maj=74.8km s-min=3.1km az=302.0.
ISC VI 17 04 12 57.2–1.4 22.47S–.07 148.1E–.10 10 12 3-147
ISCJB VI 17 04 12 55.2–1.0 22.56S–.05 148.07E–.09 10 ¶15156178
IDC VI 17 04 12 55.2–2.4 22.42S 148.19E 0 3.8,3.6
AUST VI 17 04 12 55.9–99 22.40S 148.31E 3–1 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=7.4km az=165.7.
IDC Error ellipse: s-maj=30.5km s-min=18.3km az=72.0.
AUST Error ellipse: s-maj=2.9km s-min=1.1km az=239.0.
IDC VI 22 04 18 52.6–4.5 22.53S 148.05E 0 3.4,3.3
¶16101597

IDC Error ellipse: s-maj=48.6km s-min=19.8km az=85.0.
IDC VI 28 22 00 04.0–4.4 20.70S 139.42E 0 3.2,3.1
¶16101837

IDC Error ellipse: s-maj=39.5km s-min=26.8km az=33.0.

(596) Northwest of New Caledonia.

IDC IV 03 18 41 53.6–6.2 16.71S 159.07E 0 3.3,3.2
¶16152326

IDC Error ellipse: s-maj=93.8km s-min=83.3km az=45.0.

(600) Near coast of South Australia.

ISC I 02 12 51 14.0–.91 32.88S–.07 139.09E–.05 10 13 2-14
ISCJB I 02 12 51 13.6–.72 33.01S–.07 139.11E–.06 10 ¶12079820
IDC I 02 12 51 23.1–5.9 32.10S 139.15E 0 3.0L,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.9km az=20.9.
IDC Error ellipse: s-maj=85.3km s-min=18.6km az=18.0.
ISC I 26 00 29 18.9–2.3 32.63S–.05 139.06E–.03 16–14 4.4b 92 2-151
IDC I 26 00 29 17.8–.71 32.70S 138.92E 0 4.7L,4.4 ¶12082334
NEIC I 26 00 29 20.0 32.79S 139.01E 17 4.6b,4.6L
ISC Event type fe.
IDC Error ellipse: s-maj=22.4km s-min=21.0km az=53.0.
NEIC Event type fe. Felt at Peterborough and Adelaide. After AUST.
ISC II 18 03 25 58.9–1.1 32.10S–.09 138.33E–.06 27 8 2-13
ISCJB II 18 03 25 59.1–.83 31.88S–.06 138.42E–.06 27 ¶15956536
IDC II 18 03 26 00.9–5.3 31.61S 138.72E 0 3.1,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.1km az=6.1.
IDC Error ellipse: s-maj=81.0km s-min=17.3km az=28.0.
IDC IV 04 12 40 47.6–4.8 33.40S 133.63E 0 4.2,4.1L
¶16152359

IDC Error ellipse: s-maj=48.7km s-min=26.7km az=31.0.

(602) Victoria.

IDC III 06 15 53 20.7–10 36.99S 147.20E 0 3.4,3.3
¶12702572

IDC Error ellipse: s-maj=353.3km s-min=96.6km az=40.0.

(603) Near southeast coast of Australia.

ISC I 12 08 48 42.4–.91 38.25S–.05 146.24E–.04 10 20 1-27
IDC I 12 08 48 44.8–5.6 37.96S 146.37E 0 3.6L,3.6 ¶12081097
ISC Event type ke.
IDC Error ellipse: s-maj=332.1km s-min=51.5km az=56.0.
ISC III 06 09 55 39.2–.58 38.35S–.05 145.62E–.05 12–2 4.6b,4.0s 101 1-147
ISCJB III 06 09 55 35.2–1.4 38.42S–.05 145.79E–.07 2–8 4.6b,4.1s ¶15153075
NEIC III 06 09 55 36.0 38.45S 145.84E 14 4.6L,4.5b
AUST III 06 09 55 37.9–.72 38.39S 145.79E 8–0 4.6L,4.5b
IDC III 06 09 55 37.0–.97 38.29S 145.78E 0 4.6,4.6L
BJI III 06 09 55 38.2 38.40S 145.70E 5 5.3b,5.0s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=7.6km az=144.7.
NEIC Event type fe. Felt [IV] at Moe-Yallourn, Pakenham, Warragul and Wonthaggi; [III] at Ararat, Benalla, Bendigo, Craigieburn, Cranbourne, Crib Point, Hastings, Healesville, Melbourne, Morwell, Somerville, Sunbury and Traralgon; [II] at Bacchus Marsh, Ballarat, Castlemaine, Geelong, Lara, Leopold, Melton, Ocean Grove-Barwon Heads and Shepparton-Mooroopna. Also felt at Bridgewater-Gagebrook, Canberra, Clifton Springs, Colac, Horsham, Kyabram, Maryborough, Mildura, Sale, Sydney and Wodonga. After AUST.
AUST Error ellipse: s-maj=1.0km s-min=0.8km az=355.0.
IDC Error ellipse: s-maj=53.4km s-min=15.6km az=64.0.
ISC III 18 05 28 21.1–.57 38.29S–.04 145.79E–.05 15–2 4.8b,3.9s 98 1-147
ISCJB III 18 05 28 16.7–1.7 38.37S–.04 145.75E–.06 4–12 4.5b,3.9s ¶15153257
IDC III 18 05 28 17.4–.86 38.33S 146.21E 0 4.6L,4.4
NEIC III 18 05 28 17.0 38.43S 145.82E 15 4.6L,4.3b
BJI III 18 05 28 18.7 38.31S 145.49E 10 5.0b,4.9s
AUST III 18 05 28 20.0–6.6 38.39S 145.80E 18–0 5.0b,4.9s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=6.6km az=170.4.
IDC Error ellipse: s-maj=50.6km s-min=13.0km az=66.0.
NEIC Event type fe. Felt [IV] at Wonthaggi; [III] at Cranbourne, Crib Point, Healesville, Melbourne, Moe-Yallourn, Pakenham and Warragul; [II] at Craigieburn, Geelong, Hastings, Somerville and Sunbury. Also felt at Bacchus Marsh, Canberra, Leopold, Melton, Morwell and Traralgon. After AUST.
AUST Error ellipse: s-maj=1.0km s-min=0.8km az=249.0.
AUST IV 15 03 14 11.8 32.81S 151.62E 10
¶16359949

AUST V 19 06 16 03.7–7.2 38.37S 145.85E 20–0
¶16350044

AUST Error ellipse: s-maj=1.2km s-min=1.0km az=237.0.

SEISMIC REGION 39.
Pacific Basin.

(611) North Pacific Ocean.

ISC I 06 17 19 21.5–1.2 22.0N–.20 145.2E–.30 44 3.8b 19 21-148
IDC I 06 17 19 16.5–1.4 21.97N 144.87E 0 4.0,3.8 ¶12080532
NEIC I 06 17 19 21.8–.80 21.96N 144.84E 35 4.2b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=53.9km s-min=19.1km az=79.0.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=9.9km az=76.0.
IDC I 10 12 42 51.6–.83 13.44N 154.76E 0 4.1,4.0
¶12080941

IDC Error ellipse: s-maj=24.9km s-min=19.5km az=126.0.
ISC I 15 08 29 49.8–.65 22.02N–.10 145.1E–.10 36 4.1b 53 6-148
IDC I 15 08 29 44.4–.79 21.96N 145.22E 0 4.3,4.2 ¶13404873
ISCJB I 15 08 29 47.7–.57 21.89N–.08 145.2E–.10 36 4.2b,4.2
NEIC I 15 08 29 49.5–.54 21.93N 145.18E 35 4.1b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=18.8km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=10.5km az=164.4.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=10.5km az=69.0.
ISC I 15 09 30 15.5–.74 22.1N–.10 145.1E–.20 44 4.0b 39 6-148
IDC I 15 09 30 09.6–.79 22.00N 145.18E 0 4.1,4.0 ¶13404875
ISCJB I 15 09 30 13.9–.57 22.02N–.06 145.0E–.20 44 4.0b,4.0
NEIC I 15 09 30 14.7–.50 22.00N 145.08E 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=17.4km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=7.6km az=167.4.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=8.2km az=81.0.
IDC I 26 03 26 08.5–3.2 22.09N 145.36E 0 3.6,3.4
¶12082348

IDC Error ellipse: s-maj=134.5km s-min=24.9km az=81.0.
IDC V 17 15 04 41.6–9.8 22.28N 145.08E 0 3.3,3.1
¶16155846

IDC Error ellipse: s-maj=331.5km s-min=32.1km az=72.0.
IDC VI 28 17 17 17.2–2.7 22.22N 145.11E 0 3.6,3.5
¶16101831

IDC Error ellipse: s-maj=113.7km s-min=21.9km az=78.0.

(613) Hawaiian Islands.

NEIC I 17 12 55 09.0 19.29N 155.01W 38 4.0
¶11596172

NEIC Event type fe. Felt [III] at Papa'ikou and [II] at Hilo, Kea'au, Pahoa, Pepeekeo and Waimea. Also felt at Hakalau, Honomu, Kailua Kona, Kurtistown, Laupahoehoe, Mountain View and Volcano. After HVO.
NEIC I 31 05 17 06.0 19.35N 155.05W 10 3.5
¶11667182

NEIC Event type fe. Felt [II] at Hilo, Kea'au, Kurtistown, Pahoa and Volcano. Also felt at Hakalau, Hawaii National Park, Honoka'a, Mountain View, Ninole, Pa'auilo, Papa'ikou and Pepeekeo. After HVO.
ISC III 06 12 09 15.4–1.6 19.3N–.20 155.17W–.07 10 3.6b 19 0-81
ISCJB III 06 12 09 13.3–.99 19.23N–.07 155.17W–.07 10 3.5b ¶12702561
IDC III 06 12 09 14.4–3.5 19.44N 155.28W 0 3.9,3.6b
NEIC III 06 12 09 15.0 19.32N 155.12W 9 3.8L,3.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=7.9km az=32.8.
IDC Error ellipse: s-maj=85.1km s-min=37.6km az=6.0.
NEIC Event type fe. Felt [II] at Hilo, Kea'au, Kurtistown, Pahoa and Volcano. Also felt at Hawaii National Park, Honomu, Mountain View, Pa'auilo and Pepeekeo. After HVO.
ISC III 09 19 44 51.1–.55 20.12N–.09 155.29W–.09 10 3.9b 37 1-141
ISCJB III 09 19 44 49.0–.53 20.14N–.07 155.29W–.07 10 4.0b,3.9s ¶11788858
IDC III 09 19 44 49.1–1.2 20.12N 155.20W 0 4.1,3.9
NEIC III 09 19 44 53.0 20.11N 155.17W 19 4.0,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=8.1km az=36.3.
IDC Error ellipse: s-maj=39.6km s-min=24.5km az=157.0.
NEIC Event type fe. Felt [IV] at Honoka'a, Laupahoehoe, Ninole, Pa'auilo, Pepeekeo and Waimea; [III] at Hakalau, Honomu, Kapaau, Kealakekua, Papa'ikou and Waikoloa. Felt [II] throughout Hawai'i and Maui and at Honolulu, O'ahu. Also felt on Lana'i. After HVO.
ISC IV 14 22 44 47.6–.38 19.48N–.05 155.41W–.05 14–2 5.1b,4.2s 604 0-141
NEIC IV 14 22 44 45.0 19.33N 155.21W 10 5.2b,5.0L ¶12583397
MOS IV 14 22 44 45.8–1.4 19.55N 155.32W 10 5.4b,5.0L
ISCJB IV 14 22 44 45.1–.62 19.40N–.04 155.28W–.03 9–3 5.0b,4.3s
IDC IV 14 22 44 45.8–.56 19.46N 155.30W 0 4.9,4.9
BJI IV 14 22 44 48.3 19.92N 155.79W 10 5.3b,5.2s
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Hawaii National Park, Honaunau, Kurtistown, Mountain View, Pahoa, Papa'ikou and Pepeekeo; [III] at Captain Cook, Hakalau, Hawaiian Ocean View, Hilo, Holualoa, Honoka'a, Kea'au, Kealakekua, Laupahoehoe, Na'alehu, Ninole, Pahala and Volcano; [II] at Hawi, Kailua Kona, Waimea and Waikoloa. Felt at Honomu, Kapaau, 'O'okala, Pa'auilo and Papa'aloa. Also felt at Hanalei, Kaua'i and at Hickam AFB, Honolulu and Wahiawa, O'ahu. After HVO.
MOS Error ellipse: s-maj=7.8km s-min=6.4km az=77.3.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.0km az=176.9.
IDC Error ellipse: s-maj=17.6km s-min=13.1km az=143.0.
ISC IV 22 02 58 10.9–.65 19.5N–.10 155.21W–.07 10–4 4.1b 37 0-140
BJI IV 22 02 58 07.0 19.56N 154.91W 9 5.3b,4.9b ¶12742296
NEIC IV 22 02 58 09.0 19.33N 155.11W 9 4.2b,4.2L

IDC IV 22 02 58 10.8–1.3 19.66N 155.24W 0 4.1,3.9
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Papa'ikou; [III] at Hilo, Kea'au, Mountain View, Pahoa, Pepeekeo and Volcano; [II] at Hawaii National Park, Kurtistown and Waikoloa. Also felt at Hakalau, Honoka'a, Honomu, Laupahoehoe, Ninole, Papa'aloa and Waimea. A small landslide occurred in the epicentral area. After HVO.
IDC Error ellipse: s-maj=43.4km s-min=21.6km az=160.0.
NEIC V 31 01 55 27.0 19.35N 155.32W 26 3.5L
¶14649165
NEIC Event type fe. Felt [II] at Kailua Kona, Volcano and Waimea. Also felt at Hilo and Honoka'a. After HVO.
NEIC VI 29 06 39 14.0 20.84N 156.28W 30 3.5L
¶14931738
NEIC Event type fe. Felt [III] at Haiku, Hana, Kula, Makawao, Paia and Wailuku; [II] at Kahului, Kihei and Lahaina. Felt [II] at Kaunakakai, Moloka'i. Also felt at Maunaloa. Felt [II] at Waimea, Hawai'i. Also felt at Honoka'a and Kapaau. Felt at Lana'i City, Lana'i and at Honolulu, O'ahu. After HVO.

(614) Eastern Caroline Islands region.

IDC I 13 01 27 46.0–1.1 8.98N 150.70E 0 5.2L,3.9
¶12081156
IDC Error ellipse: s-maj=34.8km s-min=28.9km az=115.0.
IDC I 28 14 01 59.1–1.5 8.17N 146.93E 0 3.9,3.7b
¶12082576
IDC Error ellipse: s-maj=43.9km s-min=28.4km az=103.0.
IDC V 18 23 17 17.9–2.2 7.31N 152.85E 0 4.1,3.9b
¶16155890
IDC Error ellipse: s-maj=68.8km s-min=21.4km az=95.0.

SEISMIC REGION 40.
Arctic Zone.

(634) Arctic Ocean.

ISC IV 04 00 18 41.0–.69 79.37N–.06 114.02W–.07 10 3.7b 39 5-82
ISCJB IV 04 00 18 40.7–.65 79.32N–.05 114.0W–.30 10 3.6b **¶12934524**
IDC IV 04 00 18 41.0–.94 79.70N 114.81W 0 4.0,3.8
OTT IV 04 00 18 41.4–.85 79.66N 115.16W 18 3.8L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=7.0km az=171.9.
IDC Error ellipse: s-maj=29.6km s-min=18.0km az=102.0.
OTT Event type ke. Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0. Arctic Ocean. 262km northwest from Isachsen, Nu.
ISC IV 15 06 54 53.9–.29 80.52N–.04 107.62W–.04 15–1 5.0b,4.1s 896 4-164
BJI IV 15 06 54 48.7 80.60N 107.80W 5 5.1b,5.0b **¶13438579**
IDC IV 15 06 54 51.6–.36 80.60N 108.00W 0 4.7,4.6
MOS IV 15 06 54 51.7–.84 80.56N 107.97W 12 5.3b,4.2s
OTT IV 15 06 54 51.5–.42 80.44N 107.88W 18 5.3L,5.0b
NEIC IV 15 06 54 53.4–.09 80.61N 107.75W 10 5.2L,5.0b
ISCJB IV 15 06 54 53.0–.09 80.59N–.01 107.9W–.10 20 4.9b,4.1s
GCMT IV 15 06 54 54.2–.20 80.57N 108.63W 12 5.0W,4.1s
SZGRF IV 15 06 55 11.3 82.48N 101.21W 24 4.4b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=11.2km s-min=9.0km az=111.0.
MOS Error ellipse: s-maj=30.3km s-min=3.8km az=85.3.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0. Offshore Queen Elizabeth Island region, Nt. 203km northwest from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=1.8km az=126.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=1.6km az=15.8.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s34,c38; s83,c122; Moment tensor: Scale 10^{16}Nm; M_{rr}3.69±.09 $M_{\theta\theta}$-1.69±.11; $M_{\phi\phi}$-2.00±.12; $M_{r\theta}$0.32±.31; $M_{\theta\phi}$-1.75±.08; $M_{\phi r}$-1.78±.38; Best double couple: NP1:ϕ_s59.00000°,δ39.00000°,λ118.00000°. NP2:ϕ_s204.00000°,δ56.00000°,λ69.00000°. Principal axes: T 4.3100,Plg70.0000° ,Azm65.0000°; N -0.5400,Plg17.0000°,Azm216.0000°; P -3.7800,Plg9.0000°,Azm309.0000° M_ϕ4.00000×10^{16}
SZGRF Arctic Ocean.

(636) Eastern Kalaallit Nunaat.

ISC III 03 01 10 52.6–.59 78.27N–.10 19.44W–.06 10 3.8b 23 7-72
ISCJB III 03 01 10 50.7–.52 78.20N–.08 20.4W–.30 10 3.7b **¶11752787**
IDC III 03 01 10 51.7–.70 78.34N 19.48W 0 3.8L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.1km az=166.6.
IDC Error ellipse: s-maj=21.4km s-min=14.0km az=21.0.

(637) Iceland region.

ISC II 02 10 31 20.1–.80 68.84N–.06 16.83W–.07 11 3.6b,3.1s 56 2-71
ISCJB II 02 10 31 18.8–.53 68.77N–.03 16.8W–.20 11 3.6b,3.4s **¶15954855**
CSEM II 02 10 31 19.5–.15 68.85N 16.41W 20 3.6L,3.4s
REY II 02 10 31 21.0 68.69N 16.34W 10 3.6L,3.4L
IDC II 02 10 31 21.9–1.2 68.58N 16.83W 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.2km az=1.4.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=2.2km az=79.0.
REY Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=23.4km az=26.0.
REY IV 29 02 57 56.8 63.95N 21.27W 8 3.9L,3.8L
CSEM IV 29 02 57 56.8 63.95N 21.27W 8 3.9L,3.8L **¶16194849**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
ISC V 29 21 33 50.9–.29 63.92N–.02 22.27W–.01 11–1 4.7b,4.2s 808 0-146
BGS V 29 21 33 43.6–1.7 64.32N 22.88W 5 4.9b,4.2s **¶12869553**
ISCJB V 29 21 33 48.5–.32 63.90N–.02 22.30W–.03 4–2 4.5b,4.2s
BJI V 29 21 33 48.0 64.00N 22.00W 12 5.0b,4.7s
MOS V 29 21 33 48.9–1.2 63.79N 22.46W 10 4.9b,4.7s
CSEM V 29 21 33 49.4–.06 63.92N 22.27W 2 4.8W,4.7b
REY V 29 21 33 49.1 63.89N 22.34W 6 4.3L,4.0L
IDC V 29 21 33 49.5–.46 63.96N 22.41W 0 4.3,4.2
NEIC V 29 21 33 50.2–.13 63.92N 22.24W 5 4.9b,4.2
GCMT V 29 21 33 50.2–.30 63.82N 22.52W 13–2 4.8W,4.2
SZGRF V 29 21 33 57.6 64.29N 21.31W 33 4.7b,3.9s
ISC Event type fe.
BGS Error ellipse: s-maj=121.5km s-min=289.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.0km az=18.3.
MOS Error ellipse: s-maj=9.5km s-min=6.2km az=124.5.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.8km az=21.0.
REY Event type ke.
IDC Error ellipse: s-maj=10.1km s-min=8.6km az=179.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=2.1km az=208.0. Felt at Reykjavik.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s16,c16; s68,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.50±.10 $M_{\theta\theta}$-0.25±.08; $M_{\phi\phi}$0.75±.09; $M_{r\theta}$0.52±.21; $M_{\theta\phi}$1.88±.08; $M_{\phi r}$-0.80±.26; Best double couple: NP1:ϕ_s259.00000°,δ65.00000°,λ-16.00000°. NP2:ϕ_s356.00000°,δ76.00000°,λ-154.00000°. Principal axes: T 2.2400,Plg7.0000° ,Azm126.0000°; N -0.0600,Plg61.0000°,Azm23.0000°; P -2.1800,Plg28.0000° ,Azm220.0000° M_ϕ2.20000×10^{16}
SZGRF Iceland.
REY V 30 02 00 06.5 63.88N 22.35W 6 3.9L,3.3L
CSEM V 30 02 00 06.5 63.88N 22.35W 6 3.9L,3.3L **¶16375369**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
REY V 30 02 06 44.8 63.90N 22.27W 6 3.9L,3.2L
CSEM V 30 02 06 44.8 63.90N 22.27W 6 3.9L,3.2L **¶16375370**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
ISC V 30 13 35 21.6–.72 63.92N–.03 22.23W–.02 8–4 4.3b,3.5s 227 0-99
ISCJB V 30 13 35 20.5–.28 63.93N–.02 22.24W–.04 10–1 4.2b,3.6s **¶12871062**
CSEM V 30 13 35 20.6–.14 63.94N 22.25W 2 4.4b,3.3s
NEIC V 30 13 35 21.0–.57 63.94N 22.27W 4–3 4.5b,3.3s
IDC V 30 13 35 21.4–.78 63.82N 22.62W 0 4.2L,4.0
REY V 30 13 35 21.0 63.91N 22.28W 7 4.3L,4.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=0.3.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=6.0.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=3.7km az=208.0. Felt at Reykjavik.
IDC Error ellipse: s-maj=29.8km s-min=14.8km az=32.0.
REY Event type ke.
REY V 30 17 05 39.7 63.90N 22.26W 7 3.9L,3.7L
CSEM V 30 17 05 39.7 63.90N 22.26W 7 3.9L,3.7L **¶16375372**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
IDC V 30 22 57 46.7–9.9 67.35N 20.01W 0 3.6,3.5
¶16066097
IDC Error ellipse: s-maj=171.7km s-min=28.1km az=129.0.
ISC VI 19 18 13 20.5–.84 63.90N–.02 22.04W–.02 3–5 4.2b,3.5s 185 0-99
ISCJB VI 19 18 13 19.8–.31 63.92N–.02 22.04W–.04 5–2 4.1b,3.5s **¶13361912**
REY VI 19 18 13 19.9 63.88N 22.09W 4 3.8L,3.2L
CSEM VI 19 18 13 20.3–.15 63.93N 21.97W 2 4.2b,3.2s
IDC VI 19 18 13 20.9–.66 63.96N 22.09W 0 4.0L,3.9
NEIC VI 19 18 13 21.3–.32 63.92N 22.09W 5 4.5b,4.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=5.8.
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=17.0.
IDC Error ellipse: s-maj=13.1km s-min=9.5km az=103.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.8km az=211.0.
ISC VI 19 20 37 13.7–.90 63.89N–.03 22.03W–.02 4–6 4.0b,3.5s 125 0-137
ISCJB VI 19 20 37 12.8–.31 63.91N–.02 22.05W–.04 8–2 3.9b,3.5s **¶13361913**
IDC VI 19 20 37 13.4–.79 63.96N 22.13W 0 3.8,3.7L
CSEM VI 19 20 37 13.0–.18 63.92N 22.01W 1–1 4.1b,3.1s
REY VI 19 20 37 13.0 63.89N 22.09W 5 3.8L,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=176.4.
IDC Error ellipse: s-maj=15.3km s-min=9.9km az=107.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=170.0.
REY Event type ke.
ISC VI 25 17 20 17.8–.77 63.93N–.02 21.98W–.02 9–5 4.0b,3.1s 131 0-86
ISCJB VI 25 17 20 17.0–.28 63.94N–.02 21.99W–.04 11–2 3.9b,3.2s **¶13682020**
IDC VI 25 17 20 17.2–1.0 63.98N 22.05W 0 3.8,3.6b
NEIC VI 25 17 20 17.2–.47 63.96N 21.99W 1–4 4.4b,3.9L
CSEM VI 25 17 20 17.4–.16 63.96N 21.93W 5 4.3b,3.9L
REY VI 25 17 20 17.7 63.92N 22.01W 6 3.7L,3.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=169.3.
IDC Error ellipse: s-maj=22.5km s-min=9.7km az=100.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.3km az=154.0. Felt in the Reykjavik area.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=3.0.
REY Event type ke.

(638) Iceland.

REY I 21 00 28 52.6 64.60N 20.66W 2 3.5L,2.6L
CSEM I 21 00 28 52.6 64.60N 20.66W 2 3.5L,2.6L **¶15849939**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
REY I 21 03 27 07.6 64.60N 20.67W 3 3.7L,2.8L
CSEM I 21 03 27 07.6 64.60N 20.67W 3 3.7L,2.8L **¶15849941**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
ISC III 01 00 41 09.8–.34 64.51N–.02 17.78W–.02 10 4.5b,4.1s 374 0-99
REY III 01 00 41 08.3 64.50N 17.67W 1 4.4L,3.9L **¶11788680**
CSEM III 01 00 41 08.3–.09 64.52N 17.94W 2 4.5b,3.7s
IDC III 01 00 41 09.5–.48 64.38N 17.93W 0 4.2,4.1
ISCJB III 01 00 41 09.4–.12 64.48N–.01 17.75W–.03 10 4.5b,4.1s
NEIC III 01 00 41 11.0–.20 64.33N 17.72W 5 4.7b,4.1s
SZGRF III 01 00 41 12.9 65.44N 16.16W 10 4.4b,3.6s
ISC Event type ke.
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=8.0.
IDC Error ellipse: s-maj=15.7km s-min=8.3km az=20.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=42.4.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.2km az=212.0.
SZGRF Iceland.
ISC V 30 19 34 17.6–1.2 64.6N–.20 17.4W–.10 9 3.6b 16 2-53
IDC V 30 19 34 16.1–1.6 64.54N 17.33W 0 4.3L,3.7 **¶16066087**
ISCJB V 30 19 34 17.5–.80 64.5N–.20 17.4W–.20 9 3.5b,3.7
ISC Event type ke.
ISCJB Event type ke.

(639) Jan Mayen Island region.

ISC I 08 07 04 46.8–1.5 70.87N–.08 6.79W–.06 17–12 61 1-58
IDC I 08 07 04 44.6–1.1 70.92N 7.09W 0 3.8,3.7 **¶13404671**
CSEM I 08 07 04 46.1–.19 70.87N 6.75W 10 3.7L,3.7
NAO I 08 07 04 46.4–7.1 70.82N 6.83W 18–110 3.7L,3.7
BER I 08 07 04 47.6–2.5 70.83N 6.83W 10 3.7L,2.2
REY I 08 07 04 51.2 70.58N 7.96W 10 3.6L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=14.6km az=17.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=152.0.
NAO Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
BER Error ellipse: s-maj=11.9km s-min=13.9km az=-1.0.
REY Event type ke.
ISC I 13 13 54 08.3–1.2 71.42N–.08 9.28W–.09 10 10 0-9
ISCJB I 13 13 54 06.5–.82 71.48N–.06 9.4W–.20 10 **¶11594607**
CSEM I 13 13 54 07.2–.85 71.55N 8.23W 2 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.1km az=136.8.
CSEM Event type ke. Error ellipse: s-maj=33.0km s-min=8.8km az=76.0.
ISC II 03 16 27 42.3–2.9 71.0N–.10 7.3W–.20 28–15 28 0-7
CSEM II 03 16 27 40.2–.66 70.89N 6.96W 10 3.9L **¶13434229**
BER II 03 16 27 42.0–.45 70.98N 7.01W 10 3.9L,2.9
REY II 03 16 27 46.1 70.47N 7.72W 10 3.2L,3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=7.0km az=74.0.
BER Error ellipse: s-maj=10.6km s-min=10.0km az=-1.0.
REY Event type ke.
ISC II 06 22 41 20.9–4.2 71.31N–.07 10.91W–.04 7–29 3.7b 59 1-63
ISCJB II 06 22 41 19.9–1.2 71.27N–.04 11.24W–.09 12–8 3.7b **¶13434342**
CSEM II 06 22 41 20.4–.24 71.36N 11.17W 10 4.3L
IDC II 06 22 41 20.3–.82 71.34N 11.09W 0 4.0,3.9
BER II 06 22 41 22.5–1.6 71.51N 10.77W 3–9 4.3L,3.7
NAO II 06 22 41 22.0–6.4 71.49N 10.63W 4.3L,3.7
REY II 06 22 41 22.1 70.79N 9.62W 10 3.6L,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.3km az=158.4.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.4km az=149.0.
IDC Error ellipse: s-maj=27.4km s-min=13.8km az=13.0.
BER Error ellipse: s-maj=19.5km s-min=61.0km az=-1.0.
NAO Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
REY Event type ke.
BER III 26 08 40 55.6–.33 71.21N 6.32W 10–1 3.5L,3.0
CSEM III 26 08 40 55.1–1.7 71.02N 6.32W 2 3.5L,3.0 **¶12068370**
BER Error ellipse: s-maj=21.2km s-min=21.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=45.0km s-min=12.6km az=147.0.
ISC IV 04 07 02 47.0–.48 71.78N–.04 1.34W–.04 16–2 4.5b,4.0s 536 2-126
CSEM IV 04 07 02 44.3–.13 71.83N 1.25W 2 4.5b,4.0s **¶12088190**
ISCJB IV 04 07 02 44.8–.12 71.86N–.03 1.06W–.07 15 4.4b,4.1s
BJI IV 04 07 02 44.2 71.80N 1.30W 10 5.2b,4.9s
MOS IV 04 07 02 44.6–1.3 71.84N 1.04W 10 4.6b,4.9s
IDC IV 04 07 02 44.3–.46 71.78N 1.33W 0 4.2,4.2
NEIC IV 04 07 02 46.0–.23 71.81N 1.26W 10 4.6b,4.2
BER IV 04 07 02 47.8–4.3 71.85N 1.26W 10 4.1L,3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.0km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.2km az=39.6.

MOS Error ellipse: s-maj=18.2km s-min=4.2km az=97.2.
IDC Error ellipse: s-maj=15.6km s-min=9.3km az=47.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.1km az=56.0.
BER Error ellipse: s-maj=12.1km s-min=86.7km az=-1.0.

ISC	**IV**	**07 09 24 51.2–.40**	**71.83N–.06**	**1.42W–.05**	**7**	**4.1b**	**111**	**2-68**
IDC	IV	07 09 24 50.0–.58	71.87N	1.35W	0	4.1,4.0		¶12582040
ISCJB	IV	07 09 24 49.0–.30	71.82N–.05	1.2W–.10	7	4.2b,3.9s		
CSEM	IV	07 09 24 50.1–.15	71.91N	1.33W	2	4.5b,3.9s		
NEIC	IV	07 09 24 51.7–.32	71.88N	1.28W	10	4.5b,3.9s		
BER	IV	07 09 24 54.9–3.2	71.94N	1.30W	15–757	2.9,2.7L		

ISC Event type ke.
IDC Error ellipse: s-maj=16.6km s-min=11.1km az=38.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.2km az=22.5.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=22.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.7km az=210.0.
BER Error ellipse: s-maj=273.2km s-min=999.9km az=-1.0.

ISC	**IV**	**08 09 06 52.8–.62**	**71.98N–.08**	**1.05W–.08**	**10**	**3.8b**	**29**	**6-68**
ISCJB	IV	08 09 06 50.6–.47	71.95N–.06	1.0W–.20	10	3.7b,3.5s		¶12934816
IDC	IV	08 09 06 51.3–.64	71.89N	1.61W	0	4.0,3.9L		
BER	IV	08 09 06 56.4–3.2	71.90N	1.05W	10	2.5L,3.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.5km az=44.9.
IDC Error ellipse: s-maj=22.1km s-min=12.0km az=53.0.
BER Error ellipse: s-maj=22.0km s-min=121.7km az=-1.0.

ISC	**IV**	**25 03 27 27.1–1.2**	**70.85N–.04**	**5.85W–.03**	**2–9**	**3.7b,3.4s**	**75**	**1-65**
NAO	IV	25 03 27 25.8–1.5	70.95N	6.12W		3.6L,3.4s		¶13439063
CSEM	IV	25 03 27 27.9–.19	70.94N	6.10W	10	3.6L,3.4s		
IDC	IV	25 03 27 28.8–.64	70.84N	6.88W	0	3.9,3.8		
REY	IV	25 03 27 31.1	70.49N	6.09W	10	3.3L,3.0L		
BER	IV	25 03 27 31.4–3.0	70.90N	6.51W	10	3.6L,3.6L		

ISC Event type ke.
NAO Error ellipse: s-maj=0.4km s-min=0.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=174.0.
IDC Error ellipse: s-maj=28.0km s-min=10.9km az=22.0.
REY Event type ke.
BER Error ellipse: s-maj=17.4km s-min=13.7km az=-1.0.

ISC	**IV**	**25 13 17 04.8–.27**	**70.95N–.04**	**6.45W–.03**	**10**	**4.7b,4.1s**	**688**	**1-128**
NAO	IV	25 13 17 01.6–1.3	70.98N	6.17W		4.1L,4.1s		¶13439079
BJI	IV	25 13 17 01.2	71.01N	6.89W	10	5.0b,4.8s		
ISCJB	IV	25 13 17 03.4–.11	70.87N–.02	6.48W–.05	10	4.5b,4.0s		
IDC	IV	25 13 17 03.8–.53	70.92N	6.37W	0	4.2,4.1		
CSEM	IV	25 13 17 03.8–.10	70.97N	6.42W	10	4.9W,4.7b		
MOS	IV	25 13 17 03.3–1.2	71.01N	6.27W	10	4.9b,4.1s		
NEIC	IV	25 13 17 04.2–.22	71.03N	6.16W	10	4.8b,4.1s		
GCMT	IV	25 13 17 05.0–.30	70.90N	6.12W	12	4.9W,4.1s		
BER	IV	25 13 17 05.4–3.1	70.88N	6.49W	10	4.1L,3.6L		
REY	IV	25 13 17 06.5	70.67N	7.10W	10	3.7L,3.0L		
SZGRF	IV	25 13 17 14.6	70.56N	4.05W	33	4.7b,3.4s		

ISC Event type ke.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=30.6.
IDC Error ellipse: s-maj=18.8km s-min=10.8km az=38.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=14.0.
MOS Error ellipse: s-maj=17.8km s-min=4.2km az=98.7.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.0km az=223.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s15,c16; s75,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.17±.08 $M_{\theta\theta}$0.51±.09; $M_{\phi\phi}$1.67±.08; $M_{r\theta}$-0.75±.49; $M_{\theta\phi}$0.59±.08; $M_{\phi r}$-0.99±.36; Best double couple: NP1:ϕ_s197.00000°,δ30.00000°,λ-101.00000°. NP2:ϕ_s30.00000°,δ61.00000°,λ-84.00000°. Principal axes: T 2.2500,Plg15.0000° ,Azm115.0000°; N 0.2900,Plg5.0000°,Azm207.0000°; P -2.5300,Plg74.0000°,Azm315.0000° M_o2.40000×10^{16}
BER Error ellipse: s-maj=17.2km s-min=16.6km az=-1.0.
REY Event type ke.
SZGRF Jan Mayen Island region.

ISC	**IV**	**25 16 28 34.0–.28**	**70.92N–.04**	**6.67W–.03**	**9**	**4.5b,3.5s**	**502**	**1-124**
ISCJB	IV	25 16 28 32.4–.13	70.83N–.02	6.56W–.05	9	4.3b,3.6s		¶12693045
IDC	IV	25 16 28 32.7–.48	70.95N	6.36W	0	4.0,3.9		
MOS	IV	25 16 28 32.8–1.2	71.02N	6.15W	10	4.9b,3.9		
CSEM	IV	25 16 28 33.3–.10	70.88N	6.44W	10	4.5b,3.1s		
BJI	IV	25 16 28 33.3	71.00N	6.00W	10	5.0b,4.8s		
BER	IV	25 16 28 34.7–2.5	70.88N	6.54W	11–17	3.4L,2.7		
NEIC	IV	25 16 28 34.3–.20	71.00N	6.05W	10	4.6b,2.7		
REY	IV	25 16 28 36.9	70.66N	7.67W	10	3.5L,3.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=29.7.
IDC Error ellipse: s-maj=16.8km s-min=9.7km az=34.0.
MOS Error ellipse: s-maj=17.8km s-min=4.6km az=98.6.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=7.0.
BER Error ellipse: s-maj=14.0km s-min=16.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=46.0.
REY Event type ke.

ISC	**IV**	**25 18 12 42.1–.86**	**71.0N–.10**	**6.50W–.06**	**9**	**3.5b**	**17**	**1-58**
IDC	IV	25 18 12 39.7–1.9	71.15N	6.70W	0	3.7,3.6		¶12936132
ISCJB	IV	25 18 12 40.5–.69	71.0N–.10	6.3W–.10	9	3.5b,3.1s		
BER	IV	25 18 12 43.4–.34	71.05N	6.39W	7–3	3.4L,3.2		

ISC Event type ke.
IDC Error ellipse: s-maj=51.4km s-min=14.7km az=180.0.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=4.6km az=8.5.
BER Error ellipse: s-maj=23.0km s-min=8.4km az=-1.0.

ISC	**IV**	**28 20 41 18.7–.99**	**70.8N–.10**	**14.31W–.06**	**10**		**10**	**2-36**
ISCJB	IV	28 20 41 17.1–.81	70.7N–.10	14.3W–.20	10	3.2b		¶16154595
IDC	IV	28 20 41 18.4–1.5	70.74N	14.12W	0	3.8,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=8.1km az=170.2.
IDC Error ellipse: s-maj=33.3km s-min=22.8km az=8.0.

IDC	**V**	**07 06 13 30.1–1.5**	**71.94N**	**0.30W**	**0**	**3.8,3.7b**		
								¶16155475

IDC Error ellipse: s-maj=36.0km s-min=29.0km az=46.0.

BER	**V**	**08 18 43 22.3–.44**	**71.19N**	**6.77W**	**11–2**	**3.5L,3.0W**		
								¶13839371

BER Error ellipse: s-maj=20.4km s-min=23.5km az=-1.0.

ISC	**V**	**26 22 47 05.2–.82**	**70.40N–.10**	**15.13W–.09**	**10**	**3.2b,3.1s**	**11**	**2-59**
ISCJB	V	26 22 47 03.3–.71	70.44N–.09	15.1W–.20	10	3.3b,3.2s		¶16156197
IDC	V	26 22 47 03.8–1.1	70.40N	15.41W	0	3.6,3.5		
BER	V	26 22 47 47.9–.74	71.07N	7.07W	10	3.2L,3.0W		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=9.9km az=161.6.
IDC Error ellipse: s-maj=27.7km s-min=19.6km az=45.0.
BER Error ellipse: s-maj=20.3km s-min=19.2km az=-1.0.

IDC	**V**	**26 23 38 42.6–.67**	**70.33N**	**15.45W**	**0**	**3.9,3.7**		
								¶16156199

IDC Error ellipse: s-maj=22.6km s-min=14.2km az=28.0.

ISC	**VI**	**03 18 32 26.4–1.1**	**70.67N–.05**	**14.08W–.06**	**16–6**	**4.1b,3.3s**	**173**	**2-71**
CSEM	VI	03 18 32 24.8–.21	70.63N	14.60W	10	4.1b,3.0s		¶13232425
IDC	VI	03 18 32 24.5–.76	70.79N	14.14W	0	3.9,3.8L		
NEIC	VI	03 18 32 26.0–.32	70.77N	14.20W	10	4.6b,3.8L		
REY	VI	03 18 32 28.1	70.11N	12.90W	10	3.8L,3.5L		
SZGRF	VI	03 18 33 10.0	66.25N	11.84W	33	3.9b,3.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=4.6km az=118.0.
IDC Error ellipse: s-maj=17.3km s-min=15.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.2km az=76.0.
REY Event type ke.
SZGRF Iceland region.

ISC	**VI**	**12 14 13 10.6–.73**	**70.43N–.07**	**13.14W–.08**	**10**	**3.4b,3.0s**	**31**	**2-129**
ISCJB	VI	12 14 13 08.6–.58	70.43N–.05	13.6W–.20	10	3.4b,3.0s		¶16101242
CSEM	VI	12 14 13 08.3–.53	70.67N	14.79W	10	3.5L,3.0s		
IDC	VI	12 14 13 11.0–.96	70.75N	13.70W	0	3.7,3.6		
REY	VI	12 14 13 11.6	70.05N	12.28W	10	3.7L,3.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=4.2km az=30.5.
CSEM Event type ke. Error ellipse: s-maj=23.0km s-min=8.6km az=91.0.
IDC Error ellipse: s-maj=21.9km s-min=19.0km az=52.0.
REY Event type ke.

(640) Greenland Sea.

ISC	**II**	**13 18 05 24.4–2.5**	**74.73N–.09**	**9.6E–.20**	**10**		**23**	**3-7**
ISCJB	II	13 18 05 24.4–1.6	74.69N–.06	10.2E–.50	10			¶13434596
CSEM	II	13 18 05 26.6–.91	74.66N	9.64E	20	3.1L		
BER	II	13 18 05 27.8–3.8	74.70N	9.25E	15–57	3.1L,2.4		
NAO	II	13 18 05 30.6–4.9	74.74N	10.30E	22–71	3.1L,2.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=7.7km az=172.2.
CSEM Event type ke. Error ellipse: s-maj=25.7km s-min=9.4km az=73.0.
BER Error ellipse: s-maj=17.2km s-min=141.4km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.9km az=-1.0.

ISC	**III**	**05 21 11 44.5–.80**	**79.9N–.10**	**1.72W–.06**	**10**	**3.7b**	**26**	**3-74**
ISCJB	III	05 21 11 43.0–.65	79.80N–.07	2.2W–.30	10	3.6b		¶11788709
IDC	III	05 21 11 44.0–1.1	80.18N	1.99W	0	3.8,3.7		
CSEM	III	05 21 11 43.9–.93	79.86N	1.67W	15	3.4L,3.7		
BER	III	05 21 11 44.9–2.2	80.19N	1.38W	10	2.8L,2.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=7.0km az=0.6.
IDC Error ellipse: s-maj=30.0km s-min=16.7km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=47.1km s-min=11.6km az=173.0.
BER Error ellipse: s-maj=607.7km s-min=999.9km az=-1.0.

ISC	**III**	**06 19 36 12.4–.83**	**79.97N–.09**	**1.71W–.05**	**10**	**3.5b**	**32**	**3-43**
ISCJB	III	06 19 36 11.1–.65	80.01N–.07	2.5W–.20	10	3.4b		¶11788735
CSEM	III	06 19 36 13.6–1.2	80.02N	1.95W	10	3.5L		
IDC	III	06 19 36 13.2–1.0	80.21N	2.46W	0	4.0L,3.7		
NAO	III	06 19 36 17.5–5.2	80.67N	2.28E		3.5L,3.7		
BER	III	06 19 36 18.5–3.5	80.57N	0.82E	10	3.5L,2.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.1km az=179.9.
CSEM Event type ke. Error ellipse: s-maj=62.3km s-min=8.0km az=172.0.
IDC Error ellipse: s-maj=31.0km s-min=16.2km az=32.0.
NAO Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.
BER Error ellipse: s-maj=50.1km s-min=210.4km az=-1.0.

CSEM	**III**	**06 21 39 59.5–1.1**	**79.86N**	**1.53W**	**15**	**3.2L**		
BER	III	06 21 40 01.3–1.9	80.93N	1.93E	15–999	3.2L,2.1		¶11788740
NAO	III	06 21 40 02.9–7.8	80.58N	2.37E		3.2L,2.1		

CSEM Event type ke. Error ellipse: s-maj=57.3km s-min=7.9km az=174.0.
BER Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NAO Error ellipse: s-maj=1.5km s-min=1.1km az=-1.0.

ISC	**III**	**07 03 53 55.3–.72**	**79.8N–.10**	**1.53W–.05**	**10**	**3.6b,3.2s**	**17**	**4-67**
ISCJB	III	07 03 53 53.6–.56	79.82N–.08	1.8W–.20	10	3.5b,3.2s		¶12702609
IDC	III	07 03 53 54.9–.81	80.15N	1.47W	0	3.7,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.4km az=5.6.
IDC Error ellipse: s-maj=25.2km s-min=13.2km az=27.0.

ISC	**III**	**24 17 40 59.7–1.2**	**79.4N–.10**	**4.97E–.07**	**10**	**3.8b**	**35**	**1-73**
CSEM	III	24 17 40 55.9–.51	79.31N	3.16E	10	3.7L		¶13437206
IDC	III	24 17 40 57.3–1.2	79.61N	3.91E	0	3.9L,3.8		
NAO	III	24 17 41 00.3–3.5	79.52N	5.41E		3.7L,3.8		
BER	III	24 17 41 00.3–3.8	80.09N	6.44E	18–149	3.7L,2.9L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=23.3km s-min=6.5km az=2.0.
IDC Error ellipse: s-maj=27.0km s-min=16.3km az=26.0.
NAO Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=86.8km s-min=317.0km az=-1.0.

ISC	**IV**	**12 14 46 19.9–1.5**	**73.27N–.09**	**7.8E–.10**	**11**		**38**	**5-39**
IDC	IV	12 14 46 16.6–1.4	73.54N	7.47E	0	3.5,3.3		¶13438435
CSEM	IV	12 14 46 22.9–.93	73.50N	8.70E	10	2.9L,3.3		
HEL	IV	12 14 46 23.4–.60	73.06N	7.65E	10	2.9L,2.8L		
NAO	IV	12 14 46 25.2–7.2	73.51N	8.89E	14–89	2.8L,2.8L		
BER	IV	12 14 46 26.8–5.8	73.73N	9.65E	0–162	2.8L,2.8L		

ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=15.7km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=32.6km s-min=8.8km az=63.0.
HEL Error ellipse: s-maj=6.5km s-min=4.9km az=-1.0.
NAO Error ellipse: s-maj=0.3km s-min=0.9km az=-1.0.
BER Error ellipse: s-maj=91.6km s-min=665.7km az=-1.0.

ISC	**IV**	**12 21 49 36.3–.89**	**74.91N–.07**	**9.2E–.10**	**10**	**3.5b,3.0s**	**13**	**3-62**
ISCJB	IV	12 21 49 34.5–.71	74.93N–.05	9.2E–.40	10	3.5b,2.9s		¶16152733
IDC	IV	12 21 49 34.9–.90	74.80N	8.61E	0	3.6,3.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=7.4km az=10.5.
IDC Error ellipse: s-maj=22.1km s-min=12.0km az=65.0.

ISC	**V**	**05 06 15 54.7–2.4**	**75.88N–.10**	**8.1E–.10**	**10**		**21**	**2-8**
CSEM	V	05 06 15 55.6–.76	75.88N	8.40E	10	2.6L		¶16555898
BER	V	05 06 15 56.0–1.8	75.81N	7.91E	10	2.6L,2.5		
NAO	V	05 06 15 57.5–3.3	75.85N	9.21E		2.6L,2.5		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.7km s-min=9.3km az=78.0.
BER Error ellipse: s-maj=6.3km s-min=53.1km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.

ISC	**V**	**26 17 41 10.7–1.2**	**74.18N–.07**	**10.0E–.10**	**10**	**3.2b**	**22**	**3-61**
ISCJB	V	26 17 41 09.6–1.0	74.26N–.06	9.8E–.30	10	3.4b		¶13193127
IDC	V	26 17 41 10.1–1.1	74.17N	8.56E	0	3.8,3.7		
CSEM	V	26 17 41 11.9–.68	74.28N	9.93E	10	1.8L,3.7		
BER	V	26 17 41 13.1–2.1	74.14N	9.42E	20–37	3.3L,2.0		
NAO	V	26 17 41 15.5–5.1	74.29N	11.38E	2–95	3.3L,2.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=8.6km az=164.9.
IDC Error ellipse: s-maj=21.6km s-min=14.1km az=92.0.
CSEM Event type ke. Error ellipse: s-maj=19.2km s-min=8.5km az=63.0.
BER Error ellipse: s-maj=10.9km s-min=78.5km az=-1.0.
NAO Error ellipse: s-maj=0.5km s-min=1.5km az=-1.0.

ISC	**VI**	**02 02 55 42.8–.55**	**79.59N–.09**	**3.93E–.07**	**16**	**3.8b**	**96**	**2-151**
CSEM	VI	02 02 55 39.9–.25	79.69N	3.82E	2	3.6L		¶14785405
IDC	VI	02 02 55 40.6–.66	79.60N	3.19E	0	3.9s,3.9		
ISCJB	VI	02 02 55 41.2–.54	79.58N–.08	3.7E–.30	16	3.6b,3.9		
NEIC	VI	02 02 55 42.0–.59	79.63N	3.76E	10	4.2b,3.9		
NAO	VI	02 02 55 43.9–3.6	79.62N	5.35E		3.6L,3.9		
BER	VI	02 02 55 43.5–1.7	79.68N	4.68E	10	3.6L,3.2L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.4km s-min=6.2km az=32.0.
IDC Error ellipse: s-maj=20.4km s-min=11.8km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=6.7km az=26.1.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.2km az=219.0.
NAO Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=19.7km s-min=82.6km az=-1.0.

ISC	**VI**	**17 05 07 30.8–.62**	**75.15N–.05**	**8.42E–.07**	**10**	**3.5b,3.3s**	**42**	**3-67**
CSEM	VI	17 05 07 28.6–1.1	75.10N	7.59E	10	2.5L,3.3s		¶13232197
ISCJB	VI	17 05 07 30.1–.57	75.22N–.04	8.6E–.30	10	3.5b,3.3s		
IDC	VI	17 05 07 30.9–.73	75.08N	7.65E	0	3.9L,3.8		
BER	VI	17 05 07 31.3–3.2	75.04N	7.93E	15–25	3.5L,2.5L		
NAO	VI	17 05 07 33.6–3.1	75.11N	9.65E	6–16	3.5L,2.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=36.6km s-min=9.5km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.9km az=4.4.
IDC Error ellipse: s-maj=18.3km s-min=13.5km az=59.0.
BER Error ellipse: s-maj=13.5km s-min=135.6km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.

(641) North of Svalbard.

ISC	**I**	**01 02 54 06.7–.35**	**80.85N–.04**	**2.59W–.03**	**17–1**	**4.7b,4.2s**	**598**	**3-152**
BJI	I	01 02 54 00.8	81.00N	2.60W	10	5.2b,5.0s		¶13404537
IDC	I	01 02 54 03.8–.41	80.89N	3.36W	0	4.9L,4.4		
CSEM	I	01 02 54 03.4–.32	80.80N	3.42W	2	4.8W,4.4b		
ISCJB	I	01 02 54 03.9–1.5	80.95N–.03	3.2W–.10	9–9	4.7b,4.1s		
MOS	I	01 02 54 04.0–1.3	80.87N	3.29W	10	4.8b,4.1s		

NEIC	I	01 02 54 05.6–.17	80.85N	3.03W	10	4.8b,4.1s			
NAO	I	01 02 54 07.9–8.0	81.14N	1.32W	32–96	3.4L,4.1s			
BER	I	01 02 54 08.1	80.94N	1.63W	15	3.6L,3.4L			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=12.2km s-min=9.0km az=36.0.								
CSEM	Event type ke. Error ellipse: s-maj=11.8km s-min=9.9km az=20.0.								
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=2.7km az=24.7.								
MOS	Error ellipse: s-maj=39.6km s-min=5.6km az=93.9.								
NEIC	Event type se. Error ellipse: s-maj=6.1km s-min=3.3km az=36.0.								
NAO	Error ellipse: s-maj=1.1km s-min=0.1km az=-1.0.								
ISC	**I**	**02 18 05 57.9–4.7**	**80.2N–.50**	**2.18W–.09**	**10**		**7**	**3-7**	
BER	I	02 18 05 55.6–2.1	80.40N	3.71W	10	2.7			**¶12079840**
ISCJB	I	02 18 05 56.5–3.1	80.2N–.30	2.3W–.40	10	2.7			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**I**	**02 19 49 00.1–1.6**	**82.4N–.20**	**6.86W–.08**	**10**	**3.6b**	**15**	**6-69**	
IDC	I	02 19 48 58.2–2.8	82.66N	7.17W	0	3.9,3.8			**¶12079847**
ISCJB	I	02 19 48 58.5–1.4	82.4N–.10	7.4W–.80	10	3.6b,3.8			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**I**	**09 17 56 12.1–.63**	**85.23N–.07**	**13.1E–.10**	**10**	**3.6b,3.2s**	**32**	**6-85**	
ISCJB	I	09 17 56 10.3–.56	85.29N–.06	14E–1.0	10	3.6b,3.1s			**¶12080866**
IDC	I	09 17 56 10.8–.78	85.37N	14.18E	0	3.9,3.7b			
NEIC	I	09 17 56 11.8–.50	85.33N	14.79E	10	4.1b,3.7b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=12.6km s-min=8.0km az=161.5.								
IDC	Error ellipse: s-maj=27.0km s-min=14.6km az=65.0.								
NEIC	Event type se. Error ellipse: s-maj=12.5km s-min=8.1km az=72.0.								
ISC	**II**	**22 18 58 08.1–.67**	**85.00N–.06**	**9.77E–.10**	**10**	**3.6b**	**57**	**6-116**	
ISCJB	II	22 18 58 05.8–.68	84.93N–.06	10E–1.0	10	3.5b			**¶13434984**
CSEM	II	22 18 58 07.8–.50	85.05N	9.23E	10	2.6L			
IDC	II	22 18 58 07.2–.85	85.25N	9.89E	0	3.9L,3.8			
NAO	II	22 18 58 08.9–5.8	84.50N	1.96W		3.6L,3.8			
NEIC	II	22 18 58 08.4–.68	85.11N	8.96E	10	4.6b,3.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=14.9km s-min=6.5km az=158.1.								
CSEM	Event type ke. Error ellipse: s-maj=23.9km s-min=12.5km az=61.0.								
IDC	Error ellipse: s-maj=34.5km s-min=16.0km az=64.0.								
NAO	Error ellipse: s-maj=0.7km s-min=1.7km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=16.3km s-min=10.7km az=62.0.								
ISC	**II**	**23 09 21 39.4–1.9**	**80.2N–.20**	**0.20W–.08**	**10**	**3.5b**	**30**	**3-43**	
CSEM	II	23 09 21 32.3–.45	80.72N	2.21W	10	3.4L			**¶13435009**
BER	II	23 09 21 37.9–3.2	80.39N	1.07W	10	3.4L,3.0L			
IDC	II	23 09 21 38.6–.94	80.09N	1.65W	0	3.8,3.7			
NAO	II	23 09 21 44.2–5.8	80.64N	3.62E		3.4L,3.7			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=14.2km s-min=4.3km az=171.0.								
BER	Error ellipse: s-maj=34.9km s-min=75.2km az=-1.0.								
IDC	Error ellipse: s-maj=26.4km s-min=13.9km az=32.0.								
NAO	Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.								
ISC	**II**	**24 09 30 48.8–4.1**	**80.08N–.07**	**1.80W–.04**	**8–26**	**4.0b,3.6s**	**99**	**3-74**	
CSEM	II	24 09 30 48.9–.22	80.08N	1.81W	10	4.5b,3.6s			**¶13435040**
IDC	II	24 09 30 48.3–.57	80.17N	1.76W	0	4.0,3.9			
NEIC	II	24 09 30 49.8–.31	80.10N	1.83W	10	4.5b,3.9			
BER	II	24 09 30 50.5–3.5	80.73N	1.44E	8–327	4.1L,3.4L			
NAO	II	24 09 30 51.5–5.6	80.30N	0.80E		4.1L,3.4L			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=11.7km s-min=6.6km az=14.0.								
IDC	Error ellipse: s-maj=18.1km s-min=10.9km az=26.0.								
NEIC	Event type se. Error ellipse: s-maj=9.3km s-min=5.5km az=205.0.								
BER	Error ellipse: s-maj=159.3km s-min=999.9km az=-1.0.								
NAO	Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.								
ISC	**III**	**05 12 17 26.7–.39**	**80.19N–.04**	**0.92W–.03**	**14–2**	**5.1b,4.7s**	**1064**	**3-151**	
BJI	III	05 12 17 24.8	80.30N	1.10W	10	5.4s,5.2b			**¶13435556**
ISCJB	III	05 12 17 24.4–.90	80.23N–.02	1.33W–.10	11–5	5.0b,4.7s			
MOS	III	05 12 17 24.3–1.1	80.15N	1.30W	10	5.2b,4.6s			
IDC	III	05 12 17 24.3–.42	80.21N	1.45W	0	4.7,4.6			
CSEM	III	05 12 17 24.5–.07	80.22N	1.08W	2	5.4W,5.1b			
NAO	III	05 12 17 25.9–4.9	80.16N	0.06W		5.0L,5.1b			
BER	III	05 12 17 26.1–3.9	80.18N	1.12W	10	5.0L,4.5L			
NEIC	III	05 12 17 26.2–.12	80.21N	1.09W	10	5.1b,4.5L			
GCMT	III	05 12 17 29.4–.10	80.23N	1.91W	19–0	5.4W,4.5L			
SZGRF	III	05 12 17 55.6	77.94N	0.85E	33	5.2b,4.4s			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=2.0km az=31.4.								
MOS	Error ellipse: s-maj=28.1km s-min=4.1km az=94.2.								
IDC	Error ellipse: s-maj=13.2km s-min=9.3km az=35.0.								
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=2.4km az=39.0.								
NAO	Error ellipse: s-maj=0.6km s-min=0.2km az=-1.0.								
BER	Error ellipse: s-maj=23.7km s-min=77.3km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=4.1km s-min=2.2km az=217.0.								
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves from 105 sta. Moment Tensor Solution. s68,c108; s99,c187; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26±.03 $M_{\theta\theta}$-1.32±.03; $M_{\phi\phi}$1.59±.03; $M_{r\theta}$-0.23±.06; $M_{\theta\phi}$-0.44±.03; $M_{\theta r}$-0.73±.07; Best double couple: NP1: ϕ_s126.00000°,δ65.00000°,λ179.00000°. NP2:ϕ_s216.00000°,δ89.00000°,λ25.00000°. Principal axes: T 1.8800,Plg18.0000°,Azm84.0000°; N -0.3900,Plg65.0000°,Azm217.0000° ; P -1.4900,Plg17.0000°,Azm348.0000° $M_0$1.70000×10^{17}								
SZGRF	Greenland Sea.								
ISC	**III**	**05 19 41 41.3–.35**	**80.21N–.03**	**1.40W–.03**	**14–1**	**5.4b,4.9s**	**1433**	**3-158**	
IDC	III	05 19 41 38.9–.33	80.28N	1.96W	0	4.8,4.8			**¶13435571**
BJI	III	05 19 41 38.7	80.30N	1.90W	10	5.5s,5.4b			
MOS	III	05 19 41 38.6–.94	80.21N	1.84W	10	5.5b,4.9s			
ISCJB	III	05 19 41 39.5–.08	80.27N–.02	2.02W–.09	15	5.3b,4.9s			
NEIC	III	05 19 41 40.7–.11	80.28N	1.83W	10	5.5b,5.4W			
BER	III	05 19 41 40.1–2.9	80.28N	1.53W	10	4.9L,4.2L			
GCMT	III	05 19 41 42.1–.10	80.32N	2.31W	17–0	5.5W,4.2L			
CSEM	III	05 19 41 42.1–.06	80.26N	1.92W	22	5.5W,5.4b			
NAO	III	05 19 41 43.5–7.6	80.09N	0.82W	22–96	4.9L,5.4b			
SZGRF	III	05 19 42 03.2	77.65N	0.64E	33	5.2b,4.4s			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=10.7km s-min=7.8km az=33.0.								
MOS	Error ellipse: s-maj=30.4km s-min=3.7km az=93.8.								
ISCJB	Event type ke. Error ellipse: s-maj=3.1km s-min=1.5km az=36.9.								
NEIC	Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=224.0. Moment Tensor Solution. s16 Moment tensor: Scale 10^{17}Nm; M_{rr}0.44 $M_{\theta\theta}$-1.62 $M_{\phi\phi}$1.18 $M_{r\theta}$-0.30 $M_{\theta\phi}$-0.77 $M_{\theta r}$-0.01 Best double couple: NP1:ϕ_s121.00000°,δ88.00000°,λ-172.00000°. NP2:ϕ_s30.00000° ,δ82.00000°,λ-2.00000°. Principal axes: T 1.3800,Plg4.0000°,Azm255.0000° ; N 0.4800,Plg81.0000°,Azm135.0000°; P -1.8600,Plg7.0000°,Azm345.0000° $M_0$1.70000×10^{17}								
BER	Error ellipse: s-maj=21.0km s-min=59.2km az=-1.0.								
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves from 110 sta. Moment Tensor Solution. s70,c116; s99,c216; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.51±.03 $M_{\theta\theta}$-1.30±.03; $M_{\phi\phi}$1.81±.03; $M_{r\theta}$-0.34±.08; $M_{\theta\phi}$-0.84±.03; $M_{\theta r}$-0.59±.08; Best double couple: NP1: ϕ_s122.00000°,δ66.00000°,λ-171.00000°. NP2:ϕ_s28.00000°,δ82.00000°,λ-24.00000°. Principal axes: T 2.1100,Plg11.0000°,Azm77.0000°; N -0.4000,Plg65.0000°,Azm191.0000° ; P -1.7100,Plg23.0000°,Azm343.0000° $M_0$1.90000×10^{17}								
CSEM	Event type ke. Error ellipse: s-maj=3.9km s-min=2.0km az=44.0.								
NAO	Error ellipse: s-maj=0.8km s-min=0.3km az=-1.0.								
SZGRF	Greenland Sea.								
ISC	**III**	**06 10 50 30.2–.26**	**80.31N–.02**	**1.96W–.02**	**14–1**	**6.4s,6.4b**	**2926**	**3-177**	
BJI	III	06 10 50 26.1	80.30N	1.80W	9	7.0s,6.7			**¶14269610**
BER	III	06 10 50 27.0–3.6	80.59N	1.42W	10	5.9L,5.3L			
ISCJB	III	06 10 50 27.2–.48	80.31N–.01	2.00W–.06	6–2	6.4s,6.3b			
MOS	III	06 10 50 27.5–.84	80.27N	2.02W	10	6.7b,6.3s			
BGS	III	06 10 50 27.8–1.5	80.41N	2.48W	10	6.2s,6.1b			
IDC	III	06 10 50 27.8–.29	80.28N	2.01W	0	6.4s,6.4			
NAO	III	06 10 50 28.0–7.5	80.35N	0.90W	6–88	5.9L,6.4			
CSEM	III	06 10 50 29.1–.04	80.30N	2.09W	10	6.5W,6.4b			
TEH	III	06 10 50 29.0	80.26N	1.80W	10	6.5L,6.4b			
PDA	III	06 10 50 29.4	80.32N	1.85W	9	6.5W,6.4b			
NEIC	III	06 10 50 29.4–.09	80.32N	1.85W	9	7.2,6.6b			
GCMT	III	06 10 50 32.2–.10	80.33N	2.32W	13	6.5W,6.6b			
SFS	III	06 10 50 42.0	79.06N	4.29W	0	6.4L,6.6b			
SZGRF	III	06 10 50 43.9	79.04N	0.20W	25	6.6b,6.1s			
DJA	III	06 10 50 46.2–5.5	80N–11	0E–25	131–43	6.5b,6.3			
ISC	Event type ke.								
ISCJB	Event type ke.								
CSEM	Event type ke.								
NEIC	Event type se. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ75.00000°,λ-179.00000°. NP2: ϕ_s45.00000°,δ89.00000°,λ-15.00000°. Principal axes: T Plg10.0000°,Azm91.0000° ; N Plg0.0000°,Azm0.0000°; P Plg11.0000°,Azm359.0000° Moment Tensor Solution. s84 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.56 $M_{\theta\theta}$-4.03 $M_{\phi\phi}$4.59 $M_{r\theta}$-1.33 $M_{\theta\phi}$-1.45 $M_{\theta r}$-0.20 Best double couple: NP1:ϕ_s127.00000°,δ78.00000°,λ-167.00000°. NP2:ϕ_s34.00000° ,δ77.00000°,λ-13.00000°. Principal axes: T 4.8300,Plg0.0000°,Azm260.0000° ; N -0.1300,Plg72.0000°,Azm170.0000°; P -4.7000,Plg17.0000°,Azm350.0000° $M_0$4.80000×10^{18}								
GCMT	Event type se. Data Used: II IU IC G. Mantle waves from 100 sta. Surface waves: sta=118, comp=262, per= 50. Moment Tensor Solution. s112,c250; s99,c207; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.16±.03 $M_{\theta\theta}$-4.63±.03; $M_{\phi\phi}$5.80±.03; $M_{r\theta}$-1.50±.09; $M_{\theta\phi}$-2.32±.03; $M_{\theta r}$-2.06±.10; Best double couple: NP1:ϕ_s124.00000°,δ65.00000°,λ-173.00000°. NP2:ϕ_s31.00000° ,δ83.00000°,λ-26.00000°. Principal axes: T 6.6800,Plg13.0000°,Azm80.0000° ; N -0.7500,Plg64.0000°,Azm197.0000°; P -5.9200,Plg23.0000°,Azm345.0000° $M_0$6.30000×10^{18}								
SFS	Event type ke.								
SZGRF	Greenland Sea.								
ISC	**III**	**09 07 21 42.1–.45**	**80.33N–.08**	**1.01W–.06**	**10**	**4.1b,3.6s**	**111**	**3-120**	
IDC	III	09 07 21 40.6–.59	80.33N	2.20W	0	4.1,4.0			**¶13435816**
CSEM	III	09 07 21 40.2–.20	80.27N	1.96W	2	4.4b,4.0			
ISCJB	III	09 07 21 40.3–.36	80.22N–.08	1.7W–.30	10	4.2b,3.5s			
NEIC	III	09 07 21 41.9–.40	80.30N	2.17W	10	4.4b,3.5s			
BER	III	09 07 21 43.9–2.3	80.31N	0.71W	10	3.8L,3.3L			
NAO	III	09 07 21 43.6–5.3	80.46N	0.84E		3.8L,3.3L			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=17.6km s-min=11.8km az=32.0.								
CSEM	Event type ke. Error ellipse: s-maj=12.3km s-min=6.4km az=24.0.								
ISCJB	Event type ke. Error ellipse: s-maj=12.3km s-min=5.4km az=29.4.								
NEIC	Event type se. Error ellipse: s-maj=13.3km s-min=7.2km az=206.0.								
BER	Error ellipse: s-maj=36.5km s-min=146.0km az=-1.0.								
NAO	Error ellipse: s-maj=0.7km s-min=0.3km az=-1.0.								
ISC	**III**	**09 12 22 37.2–.75**	**80.2N–.10**	**2.74W–.07**	**10**	**3.5b**	**15**	**4-67**	
ISCJB	III	09 12 22 36.2–.72	80.28N–.10	3.5W–.50	10	3.4b			**¶12702798**
IDC	III	09 12 22 36.6–.82	80.34N	2.65W	0	4.2L,3.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=16.0km s-min=9.4km az=144.6.								
IDC	Error ellipse: s-maj=28.7km s-min=15.7km az=11.0.								
BER	**III**	**12 08 58 19.7–4.6**	**80.89N**	**2.50E**	**10**	**2.4L**			
CSEM	III	12 08 58 21.7–.65	80.31N	1.63E	10	2.4L			**¶16392051**
NAO	III	12 08 58 23.2–7.4	80.67N	4.02E		2.4L			
BER	Error ellipse: s-maj=85.8km s-min=484.3km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=27.2km s-min=11.7km az=19.0.								
NAO	Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0.								
ISC	**III**	**15 03 59 33.5–.48**	**84.66N–.08**	**2.56E–.07**	**10**	**4.0b**	**90**	**6-72**	
ISCJB	III	15 03 59 32.0–.33	84.78N–.05	2.6E–.60	10	3.9b			**¶12703323**
IDC	III	15 03 59 32.1–.55	84.66N	2.89E	0	3.9,3.9L			
NEIC	III	15 03 59 33.8–.27	84.79N	3.19E	10	4.3b,3.9L			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=9.0km s-min=6.0km az=44.5.								
IDC	Error ellipse: s-maj=17.5km s-min=11.2km az=38.0.								
NEIC	Event type se. Error ellipse: s-maj=7.8km s-min=4.9km az=48.0.								
ISC	**III**	**25 03 50 00.1–.71**	**81.12N–.09**	**3.79W–.06**	**10**	**3.7b,3.6s**	**19**	**5-120**	
ISCJB	III	25 03 49 58.7–.61	81.17N–.08	4.9W–.40	10	3.6b,3.5s			**¶12635517**
IDC	III	25 03 49 58.9–.79	81.34N	4.14W	0	3.8,3.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=11.3km s-min=8.1km az=161.4.								
IDC	Error ellipse: s-maj=22.9km s-min=14.6km az=31.0.								
ISC	**IV**	**27 22 31 55.7–1.1**	**81.64N–.06**	**4.67W–.04**	**9–6**	**4.4b,3.9s**	**182**	**4-100**	
BJI	IV	27 22 31 51.5	81.30N	5.10W	10	5.0b,4.7s			**¶13439146**
CSEM	IV	27 22 31 54.1–.14	81.74N	4.46W	2	4.6b,4.7s			
IDC	IV	27 22 31 54.1–.53	81.88N	4.65W	0	4.0,3.9			
NEIC	IV	27 22 31 55.9–.32	81.63N	4.83W	10	4.6b,3.9			
NAO	IV	27 22 31 59.8–10	81.77N	2.33W	28–122	3.3L,3.9			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=9.8km s-min=4.9km az=33.0.								
IDC	Error ellipse: s-maj=18.0km s-min=10.8km az=36.0.								
NEIC	Event type se. Error ellipse: s-maj=11.1km s-min=5.9km az=211.0.								
NAO	Error ellipse: s-maj=1.5km s-min=0.4km az=-1.0.								
ISC	**V**	**03 20 16 17.7–1.5**	**81.7N–.20**	**4.70W–.06**	**10**	**3.3s,3.3b**	**27**	**4-69**	
IDC	V	03 20 16 13.9–1.5	82.05N	6.63W	0	3.7,3.7			**¶13439302**
NAO	V	03 20 16 22.8–8.9	81.86N	3.28W	52–294	3.2L,3.7			
CSEM	V	03 20 16 22.5–.40	81.63N	2.51W	10	3.2L,3.7			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=33.3km s-min=23.6km az=2.0.								
NAO	Error ellipse: s-maj=2.1km s-min=1.5km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=38.8km s-min=8.8km az=35.0.								
ISC	**V**	**08 20 55 32.9–1.0**	**80.3N–.10**	**1.73W–.07**	**10**			**11**	**3-34**
IDC	V	08 20 55 33.9–1.8	80.39N	1.12W	0	4.7L,3.6			**¶13678573**
BER	V	08 20 55 45.7–3.9	80.90N	10.36E	10	2.4,2.0L			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=57.5km s-min=23.2km az=45.0.								
BER	Error ellipse: s-maj=26.7km s-min=368.7km az=-1.0.								
ISC	**V**	**17 17 54 08.2–.39**	**82.46N–.07**	**8.53W–.06**	**10**	**4.2b,3.7s**	**235**	**5-119**	
ISCJB	V	17 17 54 06.9–.26	82.48N–.04	8.7W–.30	10	4.1b,3.6s			**¶12828767**
CSEM	V	17 17 54 06.8–.12	82.49N	8.58W	2	4.4b,3.6s			
IDC	V	17 17 54 07.0–.45	82.48N	8.78W	0	4.1,4.0			
MOS	V	17 17 54 07.0–.90	82.45N	8.49W	10	4.7b,4.0			
NEIC	V	17 17 54 08.5–.23	82.51N	8.51W	10	4.4b,4.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.7km s-min=4.5km az=43.9.								
CSEM	Event type ke. Error ellipse: s-maj=7.0km s-min=3.9km az=42.0.								
IDC	Error ellipse: s-maj=16.0km s-min=9.3km az=37.0.								
MOS	Error ellipse: s-maj=67.8km s-min=6.2km az=92.7.								
NEIC	Event type se. Error ellipse: s-maj=7.3km s-min=3.9km az=223.0.								
ISC	**V**	**17 19 24 21.3–.29**	**82.52N–.03**	**8.84W–.03**	**15–1**	**5.4b,4.9s**	**2015**	**5-175**	
ISCJB	V	17 19 24 17.4–.69	82.53N–.01	8.6W–.10	0–4	5.4b,4.9s			**¶14645911**
BJI	V	17 19 24 17.9	82.40N	8.80W	10	5.3s,5.2b			
IDC	V	17 19 24 19.0–.28	82.55N	8.92W	0	5.2,5.2			
MOS	V	17 19 24 18.9–.84	82.47N	8.76W	10	5.6b,4.9s			
TEH	V	17 19 24 20.4	82.54N	8.60W	10	5.4L,4.9s			
CSEM	V	17 19 24 20.1–.04	82.53N	8.59W	10	5.5b,5.5W			
NEIC	V	17 19 24 20.1–.08	82.52N	8.63W	6	5.6b,5.4W			
GCMT	V	17 19 24 21.5–.10	82.58N	9.16W	12	5.5W,5.4W			
SZGRF	V	17 19 24 23.4	82.48N	8.84W	33	5.3b,4.1s			
BGS	V	17 19 24 24.0–1.5	82.09N	8.63W	10	5.3b,4.6s			
NAO	V	17 19 24 26.7–13	81.95N	7.18W	14–130	5.2L,4.6s			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=42.8.								
IDC	Error ellipse: s-maj=9.6km s-min=7.9km az=39.0.								
MOS	Error ellipse: s-maj=32.4km s-min=3.0km az=93.2.								
CSEM	Event type ke. Error ellipse: s-maj=2.5km s-min=1.4km az=43.0.								
NEIC	Event type se. Error ellipse: s-maj=2.9km s-min=1.5km az=44.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s355.00000°,δ65.00000° ,λ90.00000°. NP2:ϕ_s175.00000°,δ25.00000°,λ90.00000°. Principal axes: T Plg70.0000° ,Azm265.0000°; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm85.0000° Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.35 $M_{\theta\theta}$1.28 $M_{\phi\phi}$-0.93 $M_{r\theta}$0.11 $M_{\theta\phi}$-0.69 $M_{\theta r}$-0.35 Best double couple: NP1:ϕ_s62.00000°,δ72.00000°,λ-171.00000°. NP2:ϕ_s329.00000° ,δ81.00000°,λ-19.00000°. Principal axes: T 1.5000,Plg6.0000°,Azm16.0000° ; N -0.2600,Plg69.0000°,Azm124.0000°; P -1.2400,Plg19.0000°,Azm284.0000° $M_0$1.40000×10^{17}								
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=215, per= 50. Moment Tensor Solution. s80,c116; s28,c28; Moment tensor: Scale 10^{17}Nm; M_{rr}1.58±.02								

$M_{\theta\theta}$-0.23±.03; $M_{\phi\phi}$-1.35±.02; $M_{r\theta}$-0.25±.07; $M_{\theta\theta}$0.85±.02; $M_{\theta r}$0.76±.06; Best double couple: NP1:ϕ_s146.00000°,δ33.00000°,λ81.00000°. NP2:ϕ_s337.00000°,δ58.00000°,λ96.00000°. Principal axes: T 1.7700,Plg77.0000°,Azm264.0000°; N 0.2200,Plg5.0000°,Azm154.0000°; P -1.9800,Plg13.0000°,Azm63.0000° $M_0$1.90000×10^{17}

SZGRF North of Svalbard.
BGS Error ellipse: s-maj=103.2km s-min=916.1km az=-1.0.
NAO Error ellipse: s-maj=1.7km s-min=0.5km az=-1.0.

ISC	**VI**	**02 21 47 03.6–1.9**	**82.2N–.20**	**7.40W–.08**	**10**		**8**	**6-44**	
IDC	VI	02 21 47 00.7–2.3	82.55N	8.90W	0	3.8,3.8			**¶16066248**
ISC	Event type ke.								
IDC	Error ellipse: s-maj=64.9km s-min=32.4km az=35.0.								
ISC	**VI**	**07 14 57 27.5–.67**	**80.24N–.08**	**2.13W–.04**	**10**	**3.5b**	**35**	**3-67**	
ISCJB	VI	07 14 57 26.0–.54	80.19N–.06	2.9W–.30	10	3.5b,2.7s			**¶13195535**
CSEM	VI	07 14 57 26.2–.39	80.45N	2.64W	20	3.4L,2.7s			
IDC	VI	07 14 57 26.9–.81	80.30N	2.96W	0	3.7,3.6			
BER	VI	07 14 57 28.4	80.58N	1.28W	15	3.4L,2.9			
NAO	VI	07 14 57 33.2–8.0	80.92N	1.44E	39–75	3.4L,2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=8.9km s-min=6.6km az=172.2.								
CSEM	Event type ke. Error ellipse: s-maj=14.6km s-min=3.7km az=173.0.								
IDC	Error ellipse: s-maj=25.6km s-min=13.1km az=35.0.								
NAO	Error ellipse: s-maj=1.0km s-min=0.3km az=-1.0.								
ISC	**VI**	**09 15 31 23.0–1.2**	**84.72N–.09**	**16.4E–.10**	**10**	**3.7b**	**37**	**6-72**	
IDC	VI	09 15 31 18.0–2.7	85.25N	13.58E	0	3.9L,3.8			**¶13195884**
ISCJB	VI	09 15 31 20.9–1.1	84.73N–.08	15E–1.0	10	3.6b,3.1s			
CSEM	VI	09 15 31 23.4–.61	84.72N	15.16E	10	3.8L,3.1s			
NAO	VI	09 15 31 24.4–9.3	84.83N	7.07E	26–72	3.8L,3.1s			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=58.3km s-min=25.2km az=128.0.								
ISCJB	Event type ke. Error ellipse: s-maj=18.5km s-min=10.3km az=19.5.								
CSEM	Event type ke. Error ellipse: s-maj=14.9km s-min=11.6km az=39.0.								
NAO	Error ellipse: s-maj=0.1km s-min=1.1km az=-1.0.								
ISC	**VI**	**13 18 41 05.4–2.9**	**80.4N–.30**	**1.55W–.07**	**10**		**6**	**3-11**	
BER	VI	13 18 41 11.3–1.9	80.29N	0.42W	15–383	2.7,1.6L			**¶13917872**
ISC	Event type ke.								
BER	Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.								

(642) Norwegian Sea.

ISC	**I**	**23 20 41 55.1–6.1**	**72.7N–.30**	**6.6E–.30**	**10**		**10**	**4-13**	
IDC	I	23 20 41 51.8–7.2	72.57N	6.06E	0	3.6,3.6			**¶12082163**
BER	I	23 20 41 55.2–2.7	72.83N	6.47E	10	2.3,2.2L			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=80.5km s-min=29.8km az=150.0.								
BER	Error ellipse: s-maj=14.4km s-min=152.5km az=-1.0.								
ISC	**I**	**24 13 03 51.8–.71**	**74.98N–.05**	**10.02E–.08**	**10**	**3.7b**	**56**	**2-68**	
BER	I	24 13 03 51.4–3.7	74.92N	9.24E	10	3.3L,2.5			**¶13433971**
ISCJB	I	24 13 03 51.3–.56	74.94N–.03	10.7E–.20	10	3.6b,3.6s			
HEL	I	24 13 03 52.0–1.0	75.00N	9.88E	10	3.0L,2.5			
IDC	I	24 13 03 52.4–.77	74.83N	9.66E	0	3.7,3.6			
CSEM	I	24 13 03 53.9–.91	75.08N	11.13E	10	3.0L,3.6			
NAO	I	24 13 03 55.5–4.6	75.01N	11.17E	9–40	3.3L,3.6			
ISC	Event type ke.								
BER	Error ellipse: s-maj=13.5km s-min=102.3km az=-1.0.								
ISCJB	Event type ke. Error ellipse: s-maj=8.7km s-min=4.7km az=175.0.								
HEL	Error ellipse: s-maj=4.0km s-min=9.5km az=-1.0.								
IDC	Error ellipse: s-maj=19.6km s-min=11.2km az=49.0.								
CSEM	Event type ke. Error ellipse: s-maj=40.4km s-min=12.0km az=79.0.								
ISC	**II**	**13 17 24 59.1–1.3**	**74.61N–.06**	**10.0E–.10**	**10**		**32**	**2-26**	
ISCJB	II	13 17 24 57.9–.90	74.66N–.04	10.0E–.30	10	3.3b			**¶13434595**
CSEM	II	13 17 24 58.4–1.4	74.50N	9.68E	20	2.4L			
BER	II	13 17 24 59.9–2.5	74.49N	9.38E	15–29	2.9L,2.4L			
IDC	II	13 17 24 59.4–2.2	74.57N	9.66E	0	3.6,3.5			
NAO	II	13 17 25 02.5–5.1	74.52N	10.15E	25–89	2.9L,3.5			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=10.9km s-min=5.6km az=179.0.								
CSEM	Event type ke. Error ellipse: s-maj=28.9km s-min=13.8km az=52.0.								
BER	Error ellipse: s-maj=11.0km s-min=73.2km az=-1.0.								
IDC	Error ellipse: s-maj=43.4km s-min=11.4km az=89.0.								
NAO	Error ellipse: s-maj=0.3km s-min=1.0km az=-1.0.								
ISC	**III**	**04 01 02 08.8–1.6**	**67.11N–.04**	**8.35E–.09**	**10**		**93**	**2-11**	
IDC	III	04 01 02 07.4–2.6	67.05N	7.73E	0	3.6,3.5			**¶13435498**
HEL	III	04 01 02 10.8–.50	67.07N	8.30E	10	2.7L,2.6L			
CSEM	III	04 01 02 10.6–.76	67.07N	8.46E	10	2.7L,2.6L			
BER	III	04 01 02 11.5–3.3	67.04N	8.10E	10	2.6L,2.5			
NAO	III	04 01 02 12.0–3.3	67.10N	7.90E	48–309	2.6L,2.5			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=32.4km s-min=19.1km az=79.0.								
HEL	Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=16.3km s-min=7.9km az=111.0.								
BER	Error ellipse: s-maj=9.5km s-min=32.8km az=-1.0.								
NAO	Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.								
ISC	**III**	**07 17 34 50.7–.72**	**74.36N–.05**	**10.05E–.08**	**10**	**3.6b,3.2s**	**75**	**2-122**	
ISCJB	III	07 17 34 49.3–.58	74.41N–.03	9.9E–.20	10	3.5b,3.1s			**¶13435669**
IDC	III	07 17 34 50.1–.86	74.33N	8.87E	0	3.7,3.6			
BER	III	07 17 34 53.7–2.6	74.38N	9.91E	10	3.5L,2.6L			
CSEM	III	07 17 34 54.0–.78	74.43N	10.65E	10	2.6L,2.6L			
NAO	III	07 17 34 56.0–4.4	74.48N	11.64E	5–38	3.5L,2.6L			
HEL	III	07 17 34 59.0–.60	74.35N	11.84E	10	2.9L,2.6L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.4km s-min=4.5km az=0.1.								
IDC	Error ellipse: s-maj=20.1km s-min=10.4km az=79.0.								
BER	Error ellipse: s-maj=7.4km s-min=49.2km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=20.4km s-min=9.2km az=99.0.								
HEL	Error ellipse: s-maj=2.3km s-min=5.4km az=-1.0.								
IDC	**III**	**14 09 32 23.2–1.5**	**72.00N**	**1.41E**	**0**	**3.5,3.4**			**¶12703238**
IDC	Error ellipse: s-maj=34.2km s-min=19.4km az=49.0.								
ISC	**III**	**21 16 34 26.4–1.7**	**74.47N–.08**	**11.0E–.20**	**10**		**8**	**3-53**	
ISCJB	III	21 16 34 24.9–1.5	74.44N–.06	11.4E–.60	10	3.8s,3.4b			**¶12635200**
IDC	III	21 16 34 25.7–1.9	74.42N	10.37E	0	3.8s,3.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=22.4km s-min=6.8km az=168.2.								
IDC	Error ellipse: s-maj=32.9km s-min=10.3km az=71.0.								
IDC	**IV**	**19 21 56 01.3–2.2**	**72.07N**	**3.57E**	**0**	**3.7,3.6**			**¶16153094**
IDC	Error ellipse: s-maj=37.1km s-min=22.6km az=152.0.								
ISC	**IV**	**20 14 34 38.8–.59**	**72.51N–.06**	**3.43E–.05**	**10**	**4.0b,3.7s**	**76**	**5-124**	
NAO	IV	20 14 34 33.1–3.4	72.67N	2.34E		3.4L,3.7s			**¶13438910**
BJI	IV	20 14 34 36.8	72.60N	2.70E	5	5.0b,4.5b			
MOS	IV	20 14 34 36.9–2.6	72.56N	2.76E	10	4.3b,4.5b			
CSEM	IV	20 14 34 37.9–.32	72.50N	3.20E	2	4.1b,4.5b			
IDC	IV	20 14 34 37.1–.91	72.38N	2.76E	0	3.8s,3.8			
ISCJB	IV	20 14 34 38.5–.54	72.54N–.05	4.0E–.10	10	3.9b,3.8s			
BER	IV	20 14 34 39.4–3.5	72.56N	2.74E	10	3.4L,2.6L			
ISC	Event type ke.								
NAO	Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.								
MOS	Error ellipse: s-maj=30.5km s-min=8.7km az=102.4.								
CSEM	Event type ke. Error ellipse: s-maj=12.1km s-min=8.4km az=58.0.								
IDC	Error ellipse: s-maj=23.2km s-min=15.2km az=43.0.								
ISCJB	Event type ke. Error ellipse: s-maj=7.1km s-min=5.9km az=37.0.								
BER	Error ellipse: s-maj=11.7km s-min=51.3km az=-1.0.								
ISC	**V**	**08 19 45 48.6–1.0**	**72.22N–.09**	**1.81E–.10**	**10**	**3.6b,3.3s**	**18**	**7-59**	
BER	V	08 19 45 45.3–3.9	71.96N	0.47E	15–318	2.7L,3.3s			**¶13439422**
IDC	V	08 19 45 47.3–1.4	72.12N	1.32E	0	3.6,3.5			
ISCJB	V	08 19 45 47.4–.81	72.29N–.07	2.2E–.20	10	3.3b,3.3s			
NAO	V	08 19 45 49.9–8.6	72.28N	2.07E		2.7L,3.3s			
ISC	Event type ke.								
BER	Error ellipse: s-maj=143.4km s-min=714.2km az=-1.0.								
IDC	Error ellipse: s-maj=24.7km s-min=19.3km az=68.0.								
ISCJB	Event type ke. Error ellipse: s-maj=10.9km s-min=9.0km az=136.7.								
NAO	Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.								

ISC	**V**	**14 04 32 13.2–1.1**	**74.72N–.05**	**10.60E–.08**	**16–6**	**3.8b,3.3s**	**57**	**2-146**	
IDC	V	14 04 32 10.2–.71	74.63N	8.61E	0	3.8,3.7			**¶13439579**
NAO	V	14 04 32 13.2–3.3	74.72N	10.63E		3.6L,3.7			
CSEM	V	14 04 32 14.9–1.6	74.90N	11.99E	10	3.6L,3.7			
BER	V	14 04 32 17.9	74.85N	11.78E	10	3.6L,2.7L			
SZGRF	V	14 04 32 30.6	73.02N	7.96E	33	4.3b,2.7L			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=17.3km s-min=11.0km az=70.0.								
NAO	Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=54.8km s-min=20.0km az=59.0.								
SZGRF	Greenland Sea.								
ISC	**V**	**29 20 46 40.9–.84**	**73.11N–.04**	**14.70E–.07**	**10**		**104**	**2-60**	
CSEM	V	29 20 46 40.9–.43	72.99N	14.06E	10	3.1L			**¶16156329**
ISCJB	V	29 20 46 40.6–.62	72.97N–.03	14.9E–.20	10	3.5b			
IDC	V	29 20 46 42.7–1.0	73.12N	15.26E	0	3.5,3.5			
BER	V	29 20 46 43.3	73.03N	14.24E	10	3.0L,2.5			
HEL	V	29 20 46 44.7–.30	73.01N	15.12E	10	3.1L,2.5			
NAO	V	29 20 46 45.8–4.8	73.17N	15.18E	30–61	3.0L,2.5			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=16.9km s-min=5.2km az=76.0.								
ISCJB	Event type ke. Error ellipse: s-maj=8.8km s-min=4.2km az=165.5.								
IDC	Error ellipse: s-maj=23.3km s-min=8.5km az=75.0.								
HEL	Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.								
NAO	Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.								
ISC	**V**	**30 03 12 34.9–.65**	**73.25N–.04**	**14.22E–.05**	**10**	**3.3b**	**78**	**2-61**	
ISCJB	V	30 03 12 33.7–.59	73.24N–.03	14.4E–.20	10	3.3b			**¶13193201**
IDC	V	30 03 12 33.7–.84	73.50N	14.78E	0	3.4b,3.4			
BER	V	30 03 12 35.6	73.39N	13.82E	10	3.0,3.0L			
CSEM	V	30 03 12 36.9–.53	73.31N	14.22E	20	3.2L,3.0L			
HEL	V	30 03 12 37.5–.40	73.30N	14.63E	10	3.2L,3.0			
NAO	V	30 03 12 38.6–4.0	73.57N	15.40E	29–42	3.0L,3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.6km s-min=3.9km az=167.1.								
IDC	Error ellipse: s-maj=21.6km s-min=7.9km az=73.0.								
CSEM	Event type ke. Error ellipse: s-maj=15.2km s-min=7.7km az=85.0.								
HEL	Error ellipse: s-maj=1.3km s-min=3.3km az=-1.0.								
ISC	**VI**	**11 20 06 30.0–.69**	**72.71N–.06**	**5.15E–.08**	**10**	**3.5b,3.1s**	**58**	**4-68**	
ISCJB	VI	11 20 06 27.2–.54	72.71N–.05	4.8E–.20	10	3.4b,3.3s			**¶13196291**
NAO	VI	11 20 06 27.8–1.7	72.62N	4.62E		3.5L,3.3s			
CSEM	VI	11 20 06 28.3–.23	72.70N	4.33E	10	2.3L,3.3s			
IDC	VI	11 20 06 28.6–.80	72.75N	4.34E	0	3.8,3.6			
BER	VI	11 20 06 31.2–2.9	72.74N	4.20E	15–34	3.5L,2.5			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=8.6km s-min=6.5km az=154.8.								
NAO	Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=76.0.								
IDC	Error ellipse: s-maj=21.0km s-min=14.0km az=51.0.								
BER	Error ellipse: s-maj=10.1km s-min=41.3km az=-1.0.								
ISC	**VI**	**12 08 59 23.5–.80**	**72.73N–.08**	**4.29E–.09**	**10**	**3.5b**	**35**	**4-67**	
ISCJB	VI	12 08 59 21.1–.65	72.68N–.07	4.5E–.20	10	3.3b,3.0s			**¶13196396**
NAO	VI	12 08 59 21.4–4.3	72.57N	4.15E		3.3L,3.0s			
CSEM	VI	12 08 59 22.5–.24	72.70N	4.41E	10	2.7L,3.0s			
IDC	VI	12 08 59 22.2–.97	72.63N	4.35E	0	3.7,3.5			
BER	VI	12 08 59 24.8–2.7	72.77N	4.31E	10	3.3L,2.7L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=10.7km s-min=8.4km az=37.9.								
NAO	Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=7.1km s-min=6.2km az=22.0.								
IDC	Error ellipse: s-maj=21.6km s-min=16.1km az=56.0.								
BER	Error ellipse: s-maj=14.4km s-min=44.4km az=-1.0.								
ISC	**VI**	**13 16 48 52.4–.58**	**72.77N–.06**	**4.61E–.07**	**10**	**4.0b**	**93**	**4-144**	
SZGRF	VI	13 16 48 48.7	73.25N	4.79E	10	4.3b,3.8s			**¶13196637**
NAO	VI	13 16 48 50.5–3.2	72.63N	4.35E		3.7L,3.8s			
CSEM	VI	13 16 48 50.5–.20	72.75N	4.45E	2	3.7L,3.8s			
ISCJB	VI	13 16 48 50.9–.41	72.81N–.04	4.9E–.20	10	3.9b,3.8s			
IDC	VI	13 16 48 51.5–.70	72.67N	4.26E	0	3.9,3.7			
BER	VI	13 16 48 53.6–2.9	72.75N	4.31E	10	3.7L,3.7			
ISC	Event type ke.								
SZGRF	Greenland Sea.								
NAO	Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=6.2km s-min=5.5km az=167.0.								
ISCJB	Event type ke. Error ellipse: s-maj=6.8km s-min=6.1km az=161.3.								
IDC	Error ellipse: s-maj=20.5km s-min=12.2km az=51.0.								
BER	Error ellipse: s-maj=10.7km s-min=27.6km az=-1.0.								
ISC	**VI**	**13 16 49 40.0–.39**	**72.77N–.04**	**4.24E–.05**	**10**	**4.0s,4.0b**	**245**	**4-144**	
CSEM	VI	13 16 49 38.1–.14	72.72N	4.30E	2	4.4b,4.0b			**¶13196638**
IDC	VI	13 16 49 38.8–.57	72.70N	4.05E	0	4.0,4.0s			
ISCJB	VI	13 16 49 38.1–.27	72.74N–.03	4.6E–.10	10	4.0s,4.0b			
MOS	VI	13 16 49 38.4–1.3	72.68N	4.39E	10	4.4b,4.1s			
NAO	VI	13 16 49 39.3–2.8	72.67N	4.91E		3.7L,4.1s			
NEIC	VI	13 16 49 39.8–.28	72.72N	4.16E	10	4.5b,4.1s			
HEL	VI	13 16 49 39.3–.30	72.77N	4.04E	10	4.5b,3.7L			
BER	VI	13 16 49 41.2–4.4	72.71N	4.31E	11–52	3.7L,3.7L			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=32.0.								
IDC	Error ellipse: s-maj=14.8km s-min=12.1km az=56.0.								
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=4.4km az=144.4.								
MOS	Error ellipse: s-maj=24.0km s-min=5.7km az=93.1.								
NAO	Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=6.8km s-min=5.1km az=84.0.								
HEL	Error ellipse: s-maj=3.8km s-min=2.9km az=-1.0.								
BER	Error ellipse: s-maj=14.3km s-min=44.0km az=-1.0.								
ISC	**VI**	**13 17 18 29.6–.41**	**72.81N–.04**	**4.86E–.05**	**10**	**4.4b**	**297**	**4-67**	
CSEM	VI	13 17 18 27.7–.21	72.76N	4.40E	2	4.4b			**¶13196643**
IDC	VI	13 17 18 28.7–.61	72.62N	4.47E	0	4.2,4.1			
MOS	VI	13 17 18 28.0–1.6	72.88N	4.79E	10	4.5b,4.1			
ISCJB	VI	13 17 18 28.4–.24	72.85N–.03	5.1E–.10	10	4.2b,3.5s			
HEL	VI	13 17 18 29.8–.20	72.78N	4.08E	10	4.4b,2.9L			
NAO	VI	13 17 18 29.7–2.5	72.69N	5.06E		4.0L,2.9L			
NEIC	VI	13 17 18 29.9–.26	72.73N	4.62E	10	4.4b,2.9L			
BER	VI	13 17 18 31.3	72.72N	4.52E	10	4.0L,2.9L			
SZGRF	VI	13 17 18 33.2	72.48N	2.20E	10	4.4b,2.9L			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=6.1km s-min=5.2km az=55.0.								
IDC	Error ellipse: s-maj=19.0km s-min=10.9km az=56.0.								
MOS	Error ellipse: s-maj=23.7km s-min=4.1km az=94.3.								
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=145.9.								
HEL	Error ellipse: s-maj=2.4km s-min=2.5km az=-1.0.								
NAO	Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=7.0km s-min=4.2km az=62.0.								
SZGRF	Norwegian Sea.								
ISC	**VI**	**13 18 25 17.0–.38**	**72.73N–.04**	**4.56E–.05**	**10**	**4.1b,3.8s**	**204**	**4-67**	
ISCJB	VI	13 18 25 15.6–.29	72.81N–.03	5.0E–.10	10	4.0b,3.7s			**¶13196648**
MOS	VI	13 18 25 15.8–1.5	72.79N	4.58E	10	4.2b,3.7s			
IDC	VI	13 18 25 15.7–.62	72.60N	4.22E	0	4.0,3.8			
CSEM	VI	13 18 25 15.5–.21	72.76N	4.57E	2	4.1b,3.8			
HEL	VI	13 18 25 16.4–.20	72.74N	4.07E	10	4.3b,2.7L			
NEIC	VI	13 18 25 17.3–.37	72.75N	4.53E	10	4.3b,2.7L			
NAO	VI	13 18 25 18.8–8.0	72.64N	4.64E	25–83	3.5L,2.7L			
BER	VI	13 18 25 18.4–3.8	72.75N	4.32E	10	3.5L,2.7L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=154.0.								
MOS	Error ellipse: s-maj=26.5km s-min=4.9km az=94.5.								
IDC	Error ellipse: s-maj=17.0km s-min=11.2km az=57.0.								
CSEM	Event type ke. Error ellipse: s-maj=6.7km s-min=5.3km az=63.0.								
HEL	Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=10.6km s-min=6.1km az=77.0.								
NAO	Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.								
BER	Error ellipse: s-maj=9.6km s-min=49.6km az=-1.0.								
ISC	**VI**	**14 12 02 56.6–.66**	**72.70N–.07**	**4.4E–.10**	**10**	**3.9b,3.8s**	**43**	**6-74**	
ISCJB	VI	14 12 02 54.5–.50	72.71N–.05	4.8E–.20	10	3.7b,3.6s			**¶13196778**

NAO VI 14 12 02 55.4–4.1 72.58N 4.60E 3.1L,3.6s
IDC VI 14 12 02 55.6–.76 72.66N 4.22E 0 3.8,3.7
CSEM VI 14 12 02 55.7–.41 72.70N 4.44E 10 3.1L,3.7
BER VI 14 12 03 00.0–2.5 72.81N 4.83E 10 3.1L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.2km az=174.8.
NAO Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=22.8km s-min=14.1km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=13.6km s-min=4.5km az=76.0.
BER Error ellipse: s-maj=12.8km s-min=115.7km az=-1.0.
ISC VI 14 12 04 00.8–.48 72.61N–.06 4.62E–.06 10 4.3b,3.4s 122 4-68
NAO VI 14 12 03 59.7–8.2 72.62N 4.64E 1–77 3.2L,3.4s **¶13917880**
ISCJB VI 14 12 03 59.2–.41 72.73N–.04 4.9E–.20 10 4.0b,3.4s
IDC VI 14 12 03 59.8–.71 72.63N 4.38E 0 3.9,3.8
CSEM VI 14 12 03 59.3–.13 72.70N 4.44E 2 4.5b,3.8
NEIC VI 14 12 04 01.1–.35 72.70N 4.30E 10 4.5b,3.8
BER VI 14 12 04 02.6–2.7 72.74N 4.45E 10 3.2L,3.8
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.3km az=173.3.
IDC Error ellipse: s-maj=21.6km s-min=13.5km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=85.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.8km az=89.0.
BER Error ellipse: s-maj=14.4km s-min=71.2km az=-1.0.
ISC VI 14 12 32 27.5–.79 72.78N–.06 5.13E–.08 10 3.4b,3.1s 32 5-68
ISCJB VI 14 12 32 26.0–.73 72.81N–.05 5.5E–.20 10 3.4b,3.0s **¶13196782**
IDC VI 14 12 32 26.1–.99 72.65N 4.59E 0 3.6,3.5
NAO VI 14 12 32 27.4–3.1 72.69N 5.21E 2.8L,3.5
BER VI 14 12 32 28.0–2.7 72.68N 4.43E 10 2.8L,3.5
CSEM VI 14 12 32 28.0–.23 72.80N 5.27E 10 2.8L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.7km az=154.5.
IDC Error ellipse: s-maj=22.3km s-min=15.8km az=46.0.
NAO Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
BER Error ellipse: s-maj=12.2km s-min=70.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=2.9km az=78.0.

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ISC I 01 22 17 58.4–1.3 76.95N–.04 18.37E–.07 1–9 3.5b 44 1-119
CSEM I 01 22 17 55.4–.29 76.67N 17.29E 10 3.8L **¶13404541**
IDC I 01 22 17 59.2–.56 76.98N 18.81E 0 3.8,3.6b
NAO I 01 22 17 59.5–1.8 76.95N 18.26E 16–17 3.7L,3.6b
BER I 01 22 18 02.6 77.01N 18.56E 15 3.8L,3.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.1km s-min=4.9km az=63.0.
IDC Error ellipse: s-maj=18.2km s-min=6.2km az=71.0.
ISC I 02 16 52 30.7–2.4 77.04N–.04 18.61E–.07 9–19 33 1-16
CSEM I 02 16 52 29.3–.18 76.97N 18.33E 2 3.3L **¶13404551**
NAO I 02 16 52 31.6–2.2 77.06N 18.59E 26–34 3.3L
BER I 02 16 52 33.6 77.03N 18.67E 18 3.3L,3.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=3.2km az=68.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
ISC I 03 14 46 40.7–.93 76.91N–.05 18.11E–.06 10 22 1-8
CSEM I 03 14 46 40.7–.19 76.88N 17.88E 10 2.6L **¶13404571**
NAO I 03 14 46 40.8–1.7 76.98N 18.57E 9–10 2.1L
ISCJB I 03 14 46 41.1–.66 76.98N–.04 18.4E–.20 10 2.1L
BER I 03 14 46 45.7–3.2 77.06N 18.61E 20–29 2.6L,2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=3.3km az=57.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.7km az=153.2.
BER Error ellipse: s-maj=14.4km s-min=92.1km az=-1.0.
ISC I 03 20 22 44.2–2.5 77.04N–.05 18.23E–.07 12–24 24 1-8
CSEM I 03 20 22 42.9–.12 77.03N 18.12E 10 2.3L **¶15964311**
NAO I 03 20 22 43.5–2.0 77.04N 18.39E 16–17 2.3L
BER I 03 20 22 46.9–3.2 77.13N 18.92E 23–18 2.6L,2.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=2.2km az=67.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
BER Error ellipse: s-maj=10.6km s-min=104.4km az=-1.0.
ISC I 07 06 50 45.0–2.0 77.8N–.70 7.7E–.40 10 3.6b 5 2-66
IDC I 07 06 50 44.8–1.2 78.17N 7.81E 0 3.7,3.5 **¶12080611**
ISC Event type ke.
IDC Error ellipse: s-maj=42.7km s-min=27.6km az=34.0.
ISC I 07 08 43 15.6–.59 76.92N–.05 7.85E–.06 10 3.9b,3.2s 40 2-66
ISCJB I 07 08 43 13.8–.47 76.94N–.05 7.9E–.20 10 3.9b,3.4s **¶13404650**
IDC I 07 08 43 14.8–.59 76.92N 6.98E 0 4.0,3.9
CSEM I 07 08 43 16.1–.78 76.96N 7.86E 20 3.0L,3.9
NAO I 07 08 43 17.1–4.2 77.12N 8.88E 25–31 3.0L,3.9
BER I 07 08 43 17.6–5.0 77.10N 8.31E 15–42 3.0L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.9km az=5.3.
IDC Error ellipse: s-maj=16.2km s-min=10.7km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=19.8km s-min=8.0km az=69.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
BER Error ellipse: s-maj=21.1km s-min=119.0km az=-1.0.
ISC I 08 03 22 09.3–1.8 78.9N–.10 6.70E–.10 10 3.3b 17 1-66
BER I 08 03 22 03.9–4.2 79.31N 4.02E 15 2.8L,2.3L **¶13404668**
IDC I 08 03 22 05.7–2.1 79.39N 5.50E 0 3.6,3.6
NAO I 08 03 22 06.8–4.2 79.31N 5.83E 2.3L,3.6
ISC Event type ke.
BER Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=36.6km s-min=23.5km az=19.0.
NAO Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
ISC I 13 03 50 36.0–1.1 77.53N–.04 18.15E–.05 12–11 28 1-16
ISCJB I 13 03 50 33.9–.71 77.46N–.04 18.0E–.30 4–8 **¶13404830**
CSEM I 13 03 50 33.8–.27 77.35N 17.25E 2 3.2L
NAO I 13 03 50 34.8–2.7 77.77N 19.60E 20–24 2.6L
BER I 13 03 50 38.7 77.70N 18.70E 15 3.2L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=4.6km az=148.7.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=3.8km az=54.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
ISC I 14 06 41 04.2–.82 76.91N–.05 18.73E–.05 16 22 1-8
NAO I 14 06 41 02.2–1.1 76.95N 19.19E 2.0L **¶13404850**
CSEM I 14 06 41 02.7–.26 76.94N 18.40E 10 2.3L
ISCJB I 14 06 41 04.4–.89 76.9N–.10 18.7E–.20 16 2.3L
BER I 14 06 41 07.0–3.1 77.04N 18.91E 15–17 2.6,2.3L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=3.7km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=6.3km az=15.3.
BER Error ellipse: s-maj=7.3km s-min=41.3km az=-1.0.
ISC I 24 20 48 03.0–1.1 78.3N–.10 6.73E–.06 10 3.5s,3.5b 14 1-59
ISCJB I 24 20 48 03.1–.83 78.3N–.10 6.8E–.30 10 3.6s,3.5b **¶13433984**
CSEM I 24 20 48 03.8–.71 78.25N 7.05E 10 2.7L,3.5b
NAO I 24 20 48 05.8–4.4 78.30N 7.77E 3.2L,3.5b
BER I 24 20 48 08.7–2.5 78.35N 7.89E 10 3.2L,2.7L
IDC I 24 20 48 13.1–2.2 78.45N 10.19E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=8.0km az=9.1.
CSEM Event type ke. Error ellipse: s-maj=32.3km s-min=14.3km az=174.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=12.2km s-min=91.1km az=-1.0.
IDC Error ellipse: s-maj=50.2km s-min=22.4km az=67.0.
ISC II 01 12 15 21.0–.90 78.34N–.07 8.24E–.06 10 3.6b,3.3s 25 1-66
ISCJB II 01 12 15 16.5–.64 78.31N–.06 7.2E–.20 10 3.4b,3.2s **¶13434139**
CSEM II 01 12 15 16.9–.54 78.35N 7.36E 10 3.4L,3.2s
IDC II 01 12 15 20.1–1.3 78.30N 7.51E 0 3.7,3.6
BER II 01 12 15 21.8–2.4 78.33N 8.20E 10 3.3L,3.1L
NAO II 01 12 15 21.4–3.4 78.34N 8.52E 4–24 3.3L,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.8km az=168.7.
CSEM Event type ke. Error ellipse: s-maj=23.2km s-min=11.4km az=170.0.
IDC Error ellipse: s-maj=20.8km s-min=15.7km az=21.0.
BER Error ellipse: s-maj=8.6km s-min=73.5km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
ISC II 03 09 13 18.7–.87 76.76N–.09 18.0E–.20 16 14 1-39
ISCJB II 03 09 13 17.9–.69 76.77N–.08 18.8E–.50 16 3.0b **¶13434214**
NAO II 03 09 13 17.6–.90 76.90N 18.77E 3.5L
IDC II 03 09 13 18.8–.81 76.96N 18.93E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=6.8km az=152.4.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
IDC Error ellipse: s-maj=20.2km s-min=6.3km az=69.0.
CSEM II 04 18 01 00.8–.43 77.04N 18.74E 8 2.7L
ISC II 04 18 01 00.3–1.8 77.06N–.07 18.99E–.07 1–22 2.7L 17 1-2
ISCJB II 04 18 01 00.1–1.6 77.11N–.07 18.9E–.30 4–20 2.7L
NAO II 04 18 01 01.8–3.6 77.08N 19.12E 12–31 2.7L
BER II 04 18 01 04.4 77.09N 19.08E 12 2.7L,2.6L
CSEM Event type ke. Error ellipse: s-maj=21.5km s-min=2.9km az=40.0.
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=11.0km az=168.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
ISC II 21 00 52 56.9–1.4 76.97N–.03 18.25E–.04 11–9 4.1b 172 1-119
MOS II 21 00 52 54.9–1.6 76.97N 18.25E 10 4.4b **¶13434928**
IDC II 21 00 52 55.6–.42 77.06N 18.38E 0 4.1,4.0
CSEM II 21 00 52 55.6–.17 77.05N 18.57E 5 4.6b,4.0
NAO II 21 00 52 56.6–1.8 77.06N 18.88E 16–17 4.1L,4.0
NEIC II 21 00 52 56.9–.37 77.06N 18.46E 10 4.6b,4.0
ISCJB II 21 00 52 56.1–1.0 76.99N–.03 18.7E–.20 16–8 4.1s,4.0b
BER II 21 00 52 59.4 77.07N 18.91E 19 4.1L,3.8L
ISC Event type ke.
MOS Error ellipse: s-maj=47.4km s-min=6.4km az=94.4.
IDC Error ellipse: s-maj=15.0km s-min=6.6km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=4.5km az=61.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.3km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.5km az=153.7.
ISC II 26 12 49 08.3–.83 76.99N–.05 19.14E–.04 10 27 1-8
CSEM II 26 12 49 06.4–.13 76.86N 18.46E 2 2.9L **¶13435109**
NAO II 26 12 49 08.3–1.9 77.06N 19.71E 19–20 2.9L
BER II 26 12 49 11.2 76.87N 18.66E 21 2.9L,2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=2.2km az=65.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
ISC III 01 20 49 03.9–.50 76.91N–.05 9.62E–.06 10 3.8b,3.4s 64 1-120
ISCJB III 01 20 49 01.8–.40 76.79N–.04 9.7E–.20 10 3.7b,3.4s **¶13435319**
NAO III 01 20 49 02.8–3.5 77.06N 9.77E 19–27 3.5L,3.4s
CSEM III 01 20 49 02.1–.32 76.93N 9.29E 15 3.5L,3.4s
BER III 01 20 49 03.5–2.6 76.91N 9.18E 10 3.5L,3.4L
IDC III 01 20 49 03.0–.50 76.87N 8.90E 0 4.0,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=5.2km az=29.7.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=4.7km az=98.0.
BER Error ellipse: s-maj=6.0km s-min=52.5km az=-1.0.
IDC Error ellipse: s-maj=12.7km s-min=10.1km az=64.0.
BER III 03 14 42 48.6–1.5 76.90N 18.73E 16–22 2.7 ¶13435476
BER Error ellipse: s-maj=17.7km s-min=62.4km az=-1.0.
ISC III 08 01 24 33.5–1.6 77.02N–.04 18.82E–.06 8–15 26 1-8
CSEM III 08 01 24 32.3–.18 76.94N 18.17E 2 2.9L **¶13435688**
NAO III 08 01 24 34.3–1.8 77.03N 18.76E 17–15 2.9L
BER III 08 01 24 36.1–4.1 76.97N 18.71E 15–30 2.9L,2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=3.0km az=68.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
BER Error ellipse: s-maj=10.1km s-min=98.9km az=-1.0.
ISC III 30 01 36 49.0–.92 76.99N–.04 18.27E–.07 10 21 1-8
ISCJB III 30 01 36 45.3–.80 76.94N–.04 18.8E–.30 10 **¶13437618**
NAO III 30 01 36 45.9–1.0 76.98N 19.01E 2.6L
CSEM III 30 01 36 46.9–.11 76.94N 18.03E 8 2.5L
BER III 30 01 36 50.6–3.7 77.01N 18.32E 15–33 2.6L,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.1km az=156.9.
NAO Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=1.7km az=69.0.
BER Error ellipse: s-maj=11.3km s-min=86.9km az=-1.0.
ISC IV 07 23 09 18.5–1.6 77.07N–.07 15.7E–.20 10 12 0-2
NAO IV 07 23 09 15.5–4.1 76.87N 15.86E 14–19 2.2L **¶16505273**
ISCJB IV 07 23 09 17.8–1.5 77.1N–.10 15E–1.0 10 2.2L
CSEM IV 07 23 09 19.3–.69 77.12N 15.00E 5 2.2L
BER IV 07 23 09 19.3–2.3 77.00N 16.51E 20–15 2.2L
ISC Event type ke.
NAO Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=36.6km s-min=6.5km az=152.2.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=7.9km az=172.0.
BER Error ellipse: s-maj=15.8km s-min=65.7km az=-1.0.
ISC IV 08 23 46 25.2–.95 76.98N–.05 18.80E–.06 16 21 1-8
CSEM IV 08 23 46 23.4–.15 76.99N 18.64E 5 2.2L **¶16505277**
NAO IV 08 23 46 23.6–2.9 77.10N 19.81E 24–33 2.4L
ISCJB IV 08 23 46 24.9–.99 77.0N–.10 18.8E–.20 16 2.4L
BER IV 08 23 46 27.3–3.1 77.07N 19.05E 15–19 2.3,2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=2.3km az=69.0.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=6.4km az=11.7.
BER Error ellipse: s-maj=7.4km s-min=67.2km az=-1.0.
BER IV 23 19 05 40.2–3.0 77.27N 18.72E 22–20 3.0L,2.3 ¶13439028
BER Error ellipse: s-maj=13.2km s-min=50.5km az=-1.0.
BER IV 24 23 48 25.9–3.1 77.25N 18.78E 22–22 3.1L,2.4 ¶13439057
BER Error ellipse: s-maj=14.0km s-min=53.1km az=-1.0.
ISC IV 29 17 43 08.5–.93 77.10N–.05 19.14E–.07 10 29 1-8
ISCJB IV 29 17 43 06.7–.65 76.96N–.04 18.7E–.30 10 **¶13439190**
NAO IV 29 17 43 07.5–.90 77.03N 18.75E 2.7L
CSEM IV 29 17 43 07.1–.12 77.01N 18.26E 2 2.6L
BER IV 29 17 43 10.8–2.8 77.09N 18.99E 18–17 2.7L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.4km az=152.7.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=2.1km az=67.0.
BER Error ellipse: s-maj=6.0km s-min=52.6km az=-1.0.
ISC IV 30 19 28 10.7–.90 76.83N–.08 18.01E–.08 28 19 1-8
CSEM IV 30 19 28 07.3–.24 76.84N 17.96E 2 3.0L **¶13439234**
NAO IV 30 19 28 08.9–1.6 76.98N 18.66E 7–9 2.8L
ISCJB IV 30 19 28 10.8–.77 76.75N–.08 17.9E–.30 28 2.8L
BER IV 30 19 28 11.9–5.0 76.99N 18.38E 19–64 3.0L,2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=4.0km az=59.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=6.4km az=33.7.
BER Error ellipse: s-maj=25.5km s-min=111.9km az=-1.0.
ISC V 02 03 26 27.7–1.5 77.13N–.03 18.04E–.05 6–10 3.5b 64 1-147
CSEM V 02 03 26 26.5–.22 77.08N 18.48E 2 3.4L **¶13439273**
NAO V 02 03 26 26.4–.90 77.10N 18.78E 3.8L
IDC V 02 03 26 27.1–.46 77.14N 17.91E 0 3.8,3.7
BER V 02 03 26 30.9 77.15N 18.54E 15 3.8L,3.4L
ISC Event type ke.

CSEM Event type ke. Error ellipse: s-maj=18.0km s-min=3.5km az=71.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
IDC Error ellipse: s-maj=17.0km s-min=7.4km az=72.0.
ISC V 02 04 05 46.3–2.1 77.14N–.09 20.7E–.30 10 19 1-16
CSEM V 02 04 05 46.3–.38 76.82N 17.49E 2 2.3L ¶13439275
NAO V 02 04 05 47.7–1.9 77.03N 18.90E 1–18 2.2L
BER V 02 04 05 52.3–1.9 77.15N 19.14E 22–14 2.7,2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=28.2km s-min=5.5km az=75.0.
BER Error ellipse: s-maj=5.4km s-min=62.2km az=-1.0.
ISC V 06 01 13 37.9–.91 77.08N–.04 18.35E–.05 16 25 1-8
CSEM V 06 01 13 35.3–.13 77.05N 18.17E 2 2.4L ¶16555899
NAO V 06 01 13 35.6–1.1 77.12N 19.07E 2.6L
ISCJB V 06 01 13 37.2–.74 77.05N–.08 18.3E–.20 16 2.6L
BER V 06 01 13 39.0–3.0 77.10N 18.55E 15–22 2.6L,2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.2km az=62.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.1km az=18.1.
BER Error ellipse: s-maj=7.3km s-min=46.7km az=-1.0.
ISC V 07 05 52 05.9–.63 77.03N–.04 18.54E–.04 16 3.4b 41 1-68
NAO V 07 05 52 04.7–.90 77.08N 18.47E 3.5L ¶13439376
IDC V 07 05 52 05.4–.81 77.07N 18.00E 0 3.7,3.5
CSEM V 07 05 52 05.1–.29 77.20N 18.86E 5 3.5L,3.5
ISCJB V 07 05 52 05.9–.50 76.93N–.06 18.3E–.20 16 3.4b,3.5
BER V 07 05 52 09.2 77.22N 18.84E 12 3.5L,3.5L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=17.6km s-min=6.5km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=17.4km s-min=5.4km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.0km az=35.3.
ISC V 13 04 01 50.8–.66 76.87N–.04 18.09E–.05 28 3.2b 40 1-64
NAO V 13 04 01 47.9–.90 76.95N 18.40E 3.7L ¶13439543
IDC V 13 04 01 48.8–.76 77.04N 18.69E 0 3.5,3.4
CSEM V 13 04 01 48.1–.20 77.00N 18.24E 2 3.5L,3.4
ISCJB V 13 04 01 50.5–.50 76.93N–.05 18.1E–.20 28 3.2b,3.4
BER V 13 04 01 51.8 76.97N 18.03E 13 3.7L,3.5L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
IDC Error ellipse: s-maj=18.6km s-min=7.7km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=3.7km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.2km az=136.6.
ISC V 13 19 58 04.4–.89 76.98N–.04 17.92E–.06 10 24 1-15
ISCJB V 13 19 58 01.8–.58 77.12N–.05 18.5E–.20 10 ¶13439565
NAO V 13 19 58 02.8–1.0 77.07N 18.41E 3.0L
CSEM V 13 19 58 02.3–.19 77.03N 17.92E 2 3.0L
BER V 13 19 58 05.7 77.04N 18.08E 15 3.0L,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.5km az=38.7.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=3.5km az=59.0.
ISC V 13 23 45 17.2–.96 77.02N–.06 17.9E–.10 10 20 1-8
ISCJB V 13 23 45 15.2–.75 77.14N–.05 18.5E–.20 10 ¶13439575
CSEM V 13 23 45 15.7–.06 77.05N 18.02E 2 2.4L
NAO V 13 23 45 17.0–1.9 77.11N 18.58E 16–15 2.4L
BER V 13 23 45 19.2–3.7 77.05N 18.15E 14–23 2.4L,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.0km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=56.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=9.8km s-min=59.3km az=-1.0.
ISC V 15 04 30 36.6–.88 76.93N–.05 18.43E–.05 16 22 1-8
NAO V 15 04 30 35.4–1.0 77.02N 18.96E 2.9L ¶13439599
CSEM V 15 04 30 35.7–.11 77.03N 18.30E 5 2.5L
ISCJB V 15 04 30 37.0–.70 77.03N–.06 18.4E–.20 16 2.5L
BER V 15 04 30 38.2–3.6 76.96N 17.97E 15–26 2.5L,2.2
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=2.2km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.7km az=28.2.
BER Error ellipse: s-maj=8.0km s-min=71.3km az=-1.0.
ISC V 30 20 22 31.1–.81 77.03N–.04 18.33E–.06 16 26 1-8
NAO V 30 20 22 28.2–1.0 76.94N 18.32E 3.0L ¶13193324
CSEM V 30 20 22 28.8–.15 76.99N 18.20E 2 2.6L
ISCJB V 30 20 22 30.1–.77 76.93N–.05 18.2E–.20 16 2.6L
BER V 30 20 22 33.4 77.01N 18.58E 19 3.0L,2.6L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=2.5km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.7km az=40.4.
ISC VI 02 11 11 02.3–.88 77.16N–.04 17.69E–.06 10 19 1-8
ISCJB VI 02 11 10 59.3–.99 77.11N–.04 18.0E–.30 10 ¶13193739
NAO VI 02 11 10 59.7–1.6 77.01N 17.78E 2.7L
CSEM VI 02 11 11 01.0–.18 77.12N 17.39E 5 2.3L
BER VI 02 11 11 05.6–2.5 77.20N 17.65E 17–15 2.7L,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.9km az=162.1.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=2.8km az=69.0.
BER Error ellipse: s-maj=5.7km s-min=50.9km az=-1.0.
ISC VI 07 00 03 31.6–.58 76.88N–.05 18.17E–.06 16 3.5b 47 1-119
CSEM VI 07 00 03 28.6–.20 76.88N 17.76E 2 3.9L ¶13195428
NAO VI 07 00 03 29.5–.90 76.99N 18.74E 3.9L
ISCJB VI 07 00 03 30.3–.54 76.89N–.06 18.6E–.30 16 3.5b
IDC VI 07 00 03 30.6–.73 77.05N 18.33E 0 3.8,3.7
BER VI 07 00 03 33.0 76.99N 18.24E 22 3.9L,3.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.3km az=64.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.4km az=139.3.
IDC Error ellipse: s-maj=55.1km s-min=7.8km az=73.0.
BER VI 10 18 53 29.4–4.3 79.13N 5.68E 0–71 2.0,1.6L
¶16595741
BER Error ellipse: s-maj=55.7km s-min=250.4km az=-1.0.
BER VI 11 00 14 32.9–3.7 77.18N 19.52E 0–26 1.2L
¶16595742
BER Error ellipse: s-maj=45.0km s-min=198.2km az=-1.0.
ISC VI 14 06 21 42.1–1.3 76.72N–.07 15.30E–.08 10 17 0-8
ISCJB VI 14 06 21 39.4–1.1 76.66N–.05 15.3E–.30 10 ¶13196741
CSEM VI 14 06 21 41.0–.26 76.69N 15.20E 5 2.4L
NAO VI 14 06 21 42.4–1.8 76.75N 15.30E 2.5L
BER VI 14 06 21 45.7–2.3 76.81N 15.56E 4–14 2.5L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.7km az=147.8.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.2km az=50.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=9.5km s-min=46.4km az=-1.0.
ISC VI 21 12 27 06.6–.26 76.33N–.02 7.32E–.02 13–1 5.1b,4.7s 996 2-148
NAO VI 21 12 27 02.5–1.7 76.16N 7.45E 4.5L,4.7s ¶13202283
IDC VI 21 12 27 03.6–.38 76.27N 7.28E 0 4.6,4.6
BJI VI 21 12 27 04.8 76.40N 7.10E 10 5.4b,5.2s
MOS VI 21 12 27 04.0–1.2 76.29N 7.12E 10 5.2b,4.5s
CSEM VI 21 12 27 04.4–.08 76.36N 7.41E 2 5.4W,5.0b
BER VI 21 12 27 04.9 76.22N 7.52E 10 4.5L,3.8L
ISCJB VI 21 12 27 05.4–.11 76.33N–.02 7.15E–.08 16 5.0b,4.7s
PDA VI 21 12 27 06.5 76.35N 7.16E 10 5.1b,4.7s
NEIC VI 21 12 27 06.2–.15 76.28N 7.16E 10 5.1b,4.7s
GCMT VI 21 12 27 07.0–.10 76.21N 6.70E 12 5.4W,4.7s
TEH VI 21 12 27 07.0 76.41N 7.03E 10 5.2L,4.7s
BGS VI 21 12 27 11.7–3.2 75.82N 6.73E 10 4.6b,4.7s
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=9.8km s-min=8.2km az=64.0.
MOS Error ellipse: s-maj=20.4km s-min=3.0km az=91.5.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=160.8.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.8km az=63.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s66,c96; s90,c181; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98±.02 $M_{\theta\theta}$-0.25±.03; $M_{\phi\phi}$1.23±.02; $M_{r\theta}$-0.51±.07; $M_{\theta\phi}$0.59±.02; $M_{\phi r}$-0.13±.05; Best double couple: NP1:ϕ_s172.00000°,δ45.00000°,λ-132.00000°. NP2:ϕ_s44.00000°,δ58.00000°,λ-56.00000°. Principal axes: T 1.4700,Plg7.0000° ,Azm111.0000°; N -0.2200,Plg28.0000°,Azm205.0000°; P -1.2500,Plg61.0000°,Azm8.0000° $M_0$1.40000×10^{17}
BGS Error ellipse: s-maj=132.4km s-min=879.6km az=-1.0.
ISC VI 21 22 42 06.7–.85 76.27N–.05 8.57E–.08 10 3.3s,3.3b 40 2-63
ISCJB VI 21 22 42 05.0–.82 76.30N–.05 8.1E–.40 10 3.3b,3.3s ¶13232206
IDC VI 21 22 42 06.1–1.3 76.36N 7.44E 0 3.6,3.5
BER VI 21 22 42 06.1–2.6 76.23N 7.68E 10 3.0L,3.5
NAO VI 21 22 42 07.1–2.3 76.26N 8.67E 3.0L,3.5
CSEM VI 21 22 42 08.1–.60 76.31N 8.22E 30 3.0L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=6.6km az=18.4.
IDC Error ellipse: s-maj=25.5km s-min=13.2km az=104.0.
BER Error ellipse: s-maj=8.5km s-min=84.7km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=24.3km s-min=9.3km az=94.0.
ISC VI 22 15 24 44.7–.43 76.34N–.04 6.74E–.04 14–2 4.6b,3.9s 483 2-148
CSEM VI 22 15 24 42.5–.11 76.30N 7.10E 2 4.7W,4.6b ¶13209641
MOS VI 22 15 24 42.6–.94 76.29N 6.70E 10 4.7b,4.6b
ISCJB VI 22 15 24 42.7–.18 76.31N–.02 7.0E–.10 10 4.5b,3.9s
NAO VI 22 15 24 42.6–1.7 76.25N 7.70E 4.1L,3.9s
IDC VI 22 15 24 42.8–.42 76.25N 6.88E 0 4.3,4.2
BJI VI 22 15 24 42.7 76.40N 6.90E 10 4.8b,4.6s
BER VI 22 15 24 43.2–2.3 76.22N 7.45E 10 4.1L,2.9L
NEIC VI 22 15 24 44.4–.19 76.30N 6.86E 10 4.6b,2.9L
GCMT VI 22 15 24 44.0–.30 76.29N 6.44E 12 4.7W,2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=74.0.
MOS Error ellipse: s-maj=24.7km s-min=3.8km az=91.5.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=8.1.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=11.1km s-min=9.2km az=63.0.
BER Error ellipse: s-maj=6.0km s-min=39.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.9km az=79.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s11,c11; s64,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.43±.06 $M_{\theta\theta}$0.14±.06; $M_{\phi\phi}$1.29±.06; $M_{r\theta}$-0.03±.32; $M_{\theta\phi}$0.36±.06; $M_{\phi r}$-0.30±.26; Best double couple: NP1:ϕ_s198.00000°,δ39.00000°,λ-87.00000°. NP2:ϕ_s14.00000°,δ51.00000°,λ-93.00000°. Principal axes: T 1.4200,Plg6.0000° ,Azm106.0000°; N 0.0400,Plg2.0000°,Azm16.0000°; P -1.4600,Plg84.0000°,Azm266.0000° $M_0$1.40000×10^{16}
ISC VI 22 18 15 40.4–.23 76.32N–.02 7.00E–.02 14–1 5.3b,4.9s 1629 2-152
BJI VI 22 18 15 36.0 76.20N 6.80E 10 5.4s,5.3b ¶14931608
NAO VI 22 18 15 36.4–1.6 76.23N 7.46E 4.6L,5.3b
BGS VI 22 18 15 37.7–1.6 76.44N 6.73E 10 5.1b,5.3b
IDC VI 22 18 15 38.0–.34 76.27N 7.04E 0 4.9,4.9
MOS VI 22 18 15 37.8–1.0 76.25N 6.79E 10 5.5b,4.7s
BER VI 22 18 15 39.0–3.2 76.28N 7.44E 10 5.1W,4.6L
ISCJB VI 22 18 15 39.5–.09 76.27N–.01 6.81E–.07 19 5.3b,4.9s
CSEM VI 22 18 15 39.3–.05 76.26N 6.83E 10 5.4b,5.4W
NEIC VI 22 18 15 39.9–.11 76.22N 6.79E 10 5.5b,5.3W
PDA VI 22 18 15 40.0 76.24N 6.80E 10 5.4b,5.3W
TEH VI 22 18 15 40.0 76.25N 6.83E 10 5.4L,5.3W
GCMT VI 22 18 15 40.4–.10 76.27N 6.69E 12 5.4W,5.3W
DJA VI 22 18 16 02.2–6.2 76N–14 9E–28 183–48 5.5b,5.0
ISC Event type ke.
ISCJB Event type ke.
CSEM Event type ke.
NEIC Event type se.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=102, comp=199, per= 50. Moment Tensor Solution. s59,c88; s21,c21; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.42±.02 $M_{\theta\theta}$0.08±.02; $M_{\phi\phi}$1.34±.02; $M_{r\theta}$-0.30±.06; $M_{\theta\phi}$0.45±.02; $M_{\phi r}$-0.55±.05; Best double couple: NP1:ϕ_s193.00000°,δ34.00000°,λ-98.00000°. NP2:ϕ_s22.00000°,δ57.00000°,λ-85.00000°. Principal axes: T 1.6100,Plg11.0000°,Azm109.0000°; N -0.0600,Plg4.0000°,Azm200.0000° ; P -1.5500,Plg78.0000°,Azm309.0000° $M_0$1.60000×10^{17}
ISC VI 22 19 05 17.6–.30 76.30N–.03 6.86E–.03 16–1 5.1b,4.5s 1120 2-148
NAO VI 22 19 05 13.8–1.6 76.22N 7.53E 4.3L,4.5s ¶13217739
BJI VI 22 19 05 14.3 76.54N 7.17E 7 5.2b,5.0s
CSEM VI 22 19 05 15.4–.05 76.27N 7.03E 2 5.1b,5.1W
MOS VI 22 19 05 15.3–.92 76.22N 6.91E 10 5.3b,4.3s
BER VI 22 19 05 15.5 76.23N 7.35E 10 4.3L,3.3
IDC VI 22 19 05 15.2–.37 76.25N 7.22E 0 4.6,4.6
ISCJB VI 22 19 05 16.8–.11 76.25N–.02 7.04E–.08 20 5.0b,4.5s
NEIC VI 22 19 05 17.2–.11 76.23N 7.00E 10 5.2b,4.5s
PDA VI 22 19 05 17.3 76.20N 6.90E 10 5.1b,4.5s
GCMT VI 22 19 05 18.0–.20 76.21N 6.63E 12 5.1W,4.5s
SZGRF VI 22 19 05 24.8 75.59N 7.96E 26 5.4b,4.1s
DJA VI 22 19 05 33.3–6.4 76N–14 8E–29 141–50 5.6b,5.1
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s37,c44; s92,c156; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.21±.11 $M_{\theta\theta}$0.76±.11; $M_{\phi\phi}$4.45±.11; $M_{r\theta}$-0.70±.36; $M_{\theta\phi}$2.26±.10; $M_{\phi r}$-1.23±.31; Best double couple: NP1:ϕ_s204.00000°,δ38.00000°,λ-92.00000°. NP2:ϕ_s27.00000°,δ52.00000°,λ-89.00000°. Principal axes: T 5.7000,Plg7.0000° ,Azm115.0000°; N -0.3100,Plg1.0000°,Azm206.0000°; P -5.4000,Plg83.0000° ,Azm305.0000° $M_0$5.60000×10^{16}
SZGRF Greenland Sea.
ISC VI 22 19 11 44.1–.81 76.22N–.06 8.83E–.09 10 3.4b 24 3-147
ISCJB VI 22 19 11 43.1–.73 76.30N–.05 8.6E–.40 10 3.5b ¶13232212
CSEM VI 22 19 11 43.8–.82 76.44N 7.91E 10 3.1L
IDC VI 22 19 11 43.5–.93 76.27N 8.07E 0 3.8,3.6
NAO VI 22 19 11 45.8–3.3 76.38N 8.87E 3.1L,3.6
BER VI 22 19 11 47.0–4.8 76.34N 8.45E 18–83 3.1L,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=7.3km az=8.8.
CSEM Event type ke. Error ellipse: s-maj=26.6km s-min=8.1km az=85.0.
IDC Error ellipse: s-maj=19.5km s-min=11.9km az=101.0.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
BER Error ellipse: s-maj=19.7km s-min=274.8km az=-1.0.
ISC VI 22 19 17 38.2–1.0 76.29N–.04 7.58E–.06 14–6 4.3b 210 2-148
ISCJB VI 22 19 17 35.4–2.9 76.32N–.03 7.5E–.20 3–18 4.9s,4.3b ¶13217740
NAO VI 22 19 17 36.4–1.8 76.23N 7.99E 3.7L,4.3b
CSEM VI 22 19 17 36.4–.16 76.28N 7.29E 2 4.4b,4.3b
IDC VI 22 19 17 36.8–.52 76.22N 7.24E 0 4.2,4.1
BER VI 22 19 17 37.2–2.8 76.24N 7.62E 10 3.7L,2.5L
NEIC VI 22 19 17 38.2–.27 76.27N 7.24E 10 4.5b,2.5L
SZGRF VI 22 19 17 48.6 75.44N 14.28E 27 4.6b,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.4km az=16.8.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.4km az=94.0.
IDC Error ellipse: s-maj=13.8km s-min=10.1km az=66.0.
BER Error ellipse: s-maj=7.2km s-min=47.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.0km az=87.0.
SZGRF Svalbard, Norway, region.
ISC VI 22 19 18 54.4–.60 76.24N–.06 7.96E–.08 10 3.7b 28 3-148
ISCJB VI 22 19 18 52.8–.50 76.31N–.05 7.6E–.30 10 3.7b ¶13681852
IDC VI 22 19 18 52.8–.59 76.26N 7.27E 0 4.0,3.9
BER VI 22 19 18 55.1–2.1 76.17N 7.53E 15–362 2.8L,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=7.0km az=12.9.
IDC Error ellipse: s-maj=15.7km s-min=12.3km az=67.0.

BER Error ellipse: s-maj=26.1km s-min=334.6km az=-1.0.
ISC VI 22 19 23 56.9–1.1 76.25N–.05 8.35E–.09 10 3.3b 30 2-63
IDC VI 22 19 23 56.7–1.8 76.31N 7.22E 0 3.6,3.5 ¶13232213
CSEM VI 22 19 23 56.0–.95 76.28N 7.33E 10 3.2L,3.5
BER VI 22 19 23 58.7–2.4 76.22N 7.83E 10 3.2L,2.4
NAO VI 22 19 23 58.4–3.3 76.25N 8.59E 3.2L,2.4
ISCJB VI 22 19 23 59.3–.98 76.26N–.05 8.9E–.40 10 3.4b,2.4
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VI 22 19 28 12.2–.60 76.16N–.05 8.80E–.08 10 4.5b,3.6s 135 2-148
CSEM VI 22 19 28 06.0–.47 76.29N 7.30E 2 2.6L,3.6s ¶14931614
NAO VI 22 19 28 07.2–1.7 76.21N 7.67E 3.7L,3.6s
IDC VI 22 19 28 09.7–.87 76.18N 7.98E 0 4.1,4.1
ISCJB VI 22 19 28 10.0–.49 76.15N–.05 8.7E–.20 10 4.4b,3.6s
SZGRF VI 22 19 28 10.8 76.36N 5.61E 25 4.7b,3.6s
BER VI 22 19 28 11.8–2.9 76.23N 8.21E 15–32 3.7L,2.8
VIE VI 22 19 28 13.6 76.17N 8.27E 13 3.9b,3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.3km s-min=8.7km az=98.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=16.7km s-min=10.0km az=112.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.6km az=40.9.
SZGRF Svalbard, Norway, region.
BER Error ellipse: s-maj=8.0km s-min=108.0km az=-1.0.
VIE 1382 km NNW of Oulu .
ISC VI 22 20 01 03.4–.85 76.23N–.06 7.40E–.07 10 4.4b 21 2-63
ISCJB VI 22 20 01 01.6–.67 76.23N–.05 7.4E–.30 10 4.1b ¶13681854
BER VI 22 20 01 04.5–3.2 75.98N 8.48E 15–999 2.3
IDC VI 22 20 01 04.8–1.8 76.23N 7.67E 0 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=5.7km az=25.6.
BER Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=35.0km s-min=17.8km az=104.0.
ISC VI 22 23 10 15.8–1.1 76.24N–.06 8.1E–.10 10 3.2b 22 2-63
ISCJB VI 22 23 10 14.9–.94 76.26N–.07 8.0E–.40 10 3.2b ¶13232214
CSEM VI 22 23 10 14.5–1.3 76.11N 8.13E 10 1.4L
IDC VI 22 23 10 15.8–1.3 76.25N 7.62E 0 3.4,3.3
BER VI 22 23 10 16.9–2.4 76.26N 7.60E 10 2.5L,2.0
NAO VI 22 23 10 16.2–4.7 76.22N 8.19E 2.5L,2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=8.1km az=27.1.
CSEM Event type ke. Error ellipse: s-maj=35.6km s-min=13.8km az=70.0.
IDC Error ellipse: s-maj=20.7km s-min=13.0km az=84.0.
BER Error ellipse: s-maj=10.6km s-min=111.2km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
ISC VI 23 11 43 38.6–.70 76.19N–.07 8.01E–.09 10 3.4b,3.1s 19 2-67
ISCJB VI 23 11 43 37.0–.56 76.27N–.06 7.7E–.30 10 3.5b,3.0s ¶16101651
IDC VI 23 11 43 37.4–.76 76.21N 7.47E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.8km az=36.6.
IDC Error ellipse: s-maj=15.4km s-min=11.4km az=70.0.
ISC VI 23 12 36 50.9–.80 76.28N–.05 8.27E–.09 10 3.5s,3.5b 38 2-67
CSEM VI 23 12 36 49.1–.68 76.25N 7.54E 10 3.3L,3.5b ¶13366813
ISCJB VI 23 12 36 50.2–.68 76.23N–.05 8.5E–.30 10 3.5b,3.4s
IDC VI 23 12 36 50.7–.95 76.25N 7.73E 0 3.6,3.5
BER VI 23 12 36 51.6–2.3 76.25N 8.00E 10 3.3L,2.4L
NAO VI 23 12 36 53.7–2.1 76.27N 9.53E 3.3L,2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=21.9km s-min=6.5km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.5km az=12.6.
IDC Error ellipse: s-maj=18.9km s-min=12.1km az=94.0.
BER Error ellipse: s-maj=7.3km s-min=75.3km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
ISC VI 23 13 09 07.6–.72 76.21N–.08 8.56E–.10 10 3.8b 17 2-67
ISCJB VI 23 13 09 06.0–.56 76.19N–.05 8.4E–.30 10 3.5b,3.0s ¶16101653
IDC VI 23 13 09 06.6–.71 76.19N 8.16E 0 3.8,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.4km az=29.4.
IDC Error ellipse: s-maj=15.8km s-min=11.2km az=92.0.

(644) North of Franz Josef Land.

IDC III 01 17 37 19.2–.87 86.40N 35.62E 0 3.8,3.8L
¶12702206
IDC Error ellipse: s-maj=30.9km s-min=15.5km az=72.0.
ISC VI 13 22 07 36.5–.43 86.87N–.05 54.49E–.05 20–1 4.4b,3.7s 495 9-75
BJI VI 13 22 07 33.0 86.90N 54.30E 15 4.8b,4.7b ¶13440069
MOS VI 13 22 07 33.3–.82 86.87N 54.15E 12 4.8b,4.7b
IDC VI 13 22 07 33.0–.49 86.91N 55.04E 0 4.2,4.2
CSEM VI 13 22 07 36.6–.08 86.86N 53.85E 25 4.4b,3.3s
NEIC VI 13 22 07 37.4–.19 86.85N 53.71E 26 4.6b,3.3s
ISC Event type ke.
MOS Error ellipse: s-maj=99.9km s-min=4.8km az=88.4.
IDC Error ellipse: s-maj=15.5km s-min=10.6km az=98.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.9km az=113.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=2.9km az=111.0.
IDC VI 17 10 59 05.3–.72 86.86N 53.50E 0 4.0,3.8
¶16101432
IDC Error ellipse: s-maj=21.9km s-min=15.1km az=103.0.
IDC VI 17 11 28 43.7–1.1 87.07N 40.88E 0 3.7,3.5L
¶16101434
IDC Error ellipse: s-maj=38.7km s-min=22.8km az=85.0.
IDC VI 27 01 14 32.3–.79 86.85N 60.65E 0 3.9,3.8L
¶16101765
IDC Error ellipse: s-maj=26.3km s-min=15.2km az=111.0.

(651) North of Severnaya Zemlya.

ISC I 28 02 17 52.7–.57 84.94N–.10 97.72E–.08 10 3.9b 51 12-78
ISCJB I 28 02 17 51.2–.44 84.90N–.08 97.6E–.70 10 3.8b ¶12082532
MOS I 28 02 17 51.0–1.3 84.91N 97.29E 10 4.2b
IDC I 28 02 17 51.2–.76 84.91N 98.39E 0 3.9,3.8
NEIC I 28 02 17 52.7–.50 84.92N 97.84E 10 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.4km az=157.1.
MOS Error ellipse: s-maj=99.9km s-min=11.9km az=88.2.
IDC Error ellipse: s-maj=23.5km s-min=15.0km az=142.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.6km az=137.0.
IDC II 15 03 27 57.9–.88 84.85N 98.93E 0 3.7,3.6
¶15956123
IDC Error ellipse: s-maj=28.3km s-min=17.4km az=146.0.
IDC III 03 03 53 01.6–1.3 83.38N 114.48E 0 3.6,3.4
¶12702321
IDC Error ellipse: s-maj=57.9km s-min=22.5km az=137.0.

SEISMIC REGION 41.
Eastern Asia.

(656) Southeastern Siberia.

SKHL I 12 17 04 58.5–.20 55.98N 125.45E 21–1 3.8b
¶14309082
ISC I 19 16 07 50.4–1.4 57.34N–.05 120.76E–.02 0–12 35 1-10
BYKL I 19 16 07 52.5–.69 57.43N 120.85E ¶13944740
MOS I 19 16 07 53.9–1.1 57.37N 120.77E 4 4.3b
ISC Event type se.
BYKL Event type se.
MOS Error ellipse: s-maj=45.7km s-min=24.4km az=52.7.
ISC I 26 21 30 38.7–.31 57.50N–.02 120.69E–.02 14–1 5.2b,5.0s 1886 1-155
BJI I 26 21 30 34.2 57.61N 121.14E 11 5.8s,5.5b ¶13434018
IDC I 26 21 30 35.8–.43 57.43N 120.67E 0 5.0,5.0
MOS I 26 21 30 36.4–.94 57.51N 120.60E 12 5.3b,5.0s
BYKL I 26 21 30 37.4–.49 57.40N 120.78E 5.3b,5.0s
ISCJB I 26 21 30 37.1–.08 57.51N–.01 120.52E–.02 14 5.1b,5.0s
NEIC I 26 21 30 38.8–2.1 57.51N 120.58E 13–13 5.2b,5.0s
TEH I 26 21 30 39.0 57.55N 120.48E 10 5.3L,5.0s
DJA I 26 21 30 45 57.36N 120.75E 60 5.1b,5.0s
SZGRF I 26 21 30 49.5 58.46N 119.15E 33 5.3b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=10.9km az=21.0.
MOS Error ellipse: s-maj=6.7km s-min=5.3km az=82.7.
BYKL Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.1km s-min=1.6km az=153.0.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.8km az=158.0.
SZGRF East of Lake Baykal, Russia.
ISC I 26 21 42 31.7–1.3 57.43N–.04 120.90E–.02 2–9 4.0b 116 1-94
IDC I 26 21 42 31.7–.60 57.43N 120.80E 0 4.1,4.1 ¶11656111
MOS I 26 21 42 32.0–.93 57.47N 120.72E 13 4.7b,4.1
BYKL I 26 21 42 32.2–.54 57.39N 120.81E 4.7b,4.1
NEIC I 26 21 42 33.0–.40 57.51N 120.87E 10 3.9b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=14.0km az=41.0.
MOS Error ellipse: s-maj=12.6km s-min=9.0km az=90.8.
BYKL Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=8.1km az=139.0.
ISC I 26 21 54 24.0–.38 57.34N–.04 120.71E–.02 10 3.9b 145 1-147
ISCJB I 26 21 54 22.3–.26 57.28N–.03 120.59E–.05 10 4.1s,4.0b ¶13434022
BYKL I 26 21 54 22.6–.48 57.36N 120.74E 4.1s,4.0b
IDC I 26 21 54 22.4–.54 57.32N 120.59E 0 4.1,4.0
MOS I 26 21 54 23.0–1.1 57.35N 120.63E 16 4.3b,4.0
NEIC I 26 21 54 24.0–.31 57.35N 120.64E 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.5km az=3.4.
BYKL Event type se.
IDC Error ellipse: s-maj=14.9km s-min=12.6km az=22.0.
MOS Error ellipse: s-maj=11.4km s-min=8.2km az=95.1.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.0km az=171.0.
ISC I 26 21 54 45.4–.80 57.26N–.04 120.47E–.03 3–5 4.5b 205 0-147
BJI I 26 21 54 43.3 57.72N 120.75E 9 4.8b,4.5s ¶13948441
BYKL I 26 21 54 44.8–.55 57.35N 120.78E 4.8b,4.5s
IDC I 26 21 54 44.9–.51 57.30N 120.55E 0 4.4,4.3
MOS I 26 21 54 45.5–1.1 57.34N 120.44E 15 4.7b,4.3
NEIC I 26 21 54 46.7–.26 57.37N 120.52E 10 4.6b,4.3
ISC Event type se.
BYKL Event type se.
IDC Error ellipse: s-maj=13.8km s-min=12.6km az=26.0.
MOS Error ellipse: s-maj=10.2km s-min=7.1km az=92.8.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=169.0.
ISC I 26 22 29 48.2–.88 57.33N–.04 120.80E–.03 10 33 1-9
BYKL I 26 22 29 46.9–.51 57.35N 120.80E ¶13962485
MOS I 26 22 29 48.3–1.1 57.37N 120.82E 15 4.1b
ISC Event type se.
BYKL Event type se.
MOS Error ellipse: s-maj=56.7km s-min=47.3km az=58.5.
ISC I 27 00 01 59.6–.65 57.42N–.04 120.65E–.03 10 3.5b 47 1-50
MOS I 27 00 01 59.4–1.5 57.53N 120.61E 15 4.2b ¶12082428
BYKL I 27 00 01 59.0–.46 57.39N 120.78E 4.2b
IDC I 27 00 01 59.9–2.4 57.59N 120.56E 0 3.5,3.4b
ISC Event type se.
MOS Error ellipse: s-maj=19.4km s-min=14.0km az=75.0.
BYKL Event type se.
IDC Error ellipse: s-maj=54.7km s-min=24.1km az=147.0.
ISC I 27 03 46 22.4–.56 57.38N–.04 120.77E–.03 10 3.5b 53 1-94
BYKL I 27 03 46 21.0–.42 57.38N 120.78E 3.5b ¶12082437
IDC I 27 03 46 21.9–1.9 57.49N 120.56E 0 3.6,3.5b
MOS I 27 03 46 22.3–1.4 57.43N 120.71E 23 4.4b,3.5b
ISC Event type se.
BYKL Event type se.
IDC Error ellipse: s-maj=46.2km s-min=18.4km az=147.0.
MOS Error ellipse: s-maj=18.0km s-min=11.8km az=73.1.
MOS I 27 05 08 00.9–1.5 57.53N 120.80E 25 4.2b
BYKL I 27 05 08 00.1–.64 57.37N 120.89E 4.2b ¶13962499
MOS Error ellipse: s-maj=38.3km s-min=22.3km az=58.6.
BYKL Event type se.
ISC I 27 05 15 27.0–.00 57.38N–.03 120.62E–.03 2–6 3.9b 123 1-94
BJI I 27 05 15 24.8 57.56N 121.19E 8 4.9L,4.3b ¶13434025
IDC I 27 05 15 26.8–.71 57.36N 120.70E 0 4.0,3.9
BYKL I 27 05 15 27.2–.40 57.38N 120.79E 4.0,3.9
MOS I 27 05 15 28.2–1.1 57.39N 120.62E 18 4.5b,3.9
NEIC I 27 05 15 29.9–2.5 57.30N 120.64E 20–19 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=16.2km az=142.0.
BYKL Event type se.
MOS Error ellipse: s-maj=11.0km s-min=9.1km az=75.4.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.8km az=143.0.
SKHL I 31 18 17 59.8–.80 54.21N 125.97E 8–1 4.4b
¶14310915
ISC I 31 21 17 00.6–1.4 57.41N–.04 120.80E–.03 0–10 3.5b 56 1-58
BYKL I 31 21 17 01.3–.51 57.37N 120.74E 3.5b ¶13434098
IDC I 31 21 17 02.2–2.3 57.68N 120.35E 0 3.7,3.5
MOS I 31 21 17 04.4–1.4 57.43N 120.75E 8 4.4b,3.5
ISC Event type se.
BYKL Event type se.
IDC Error ellipse: s-maj=55.1km s-min=23.5km az=148.0.
MOS Error ellipse: s-maj=23.1km s-min=13.2km az=63.3.
SKHL II 03 13 39 34.3–.80 52.66N 136.19E 22–1 4.0b
¶14358764
SKHL II 07 03 27 29.6–.80 54.79N 124.91E 9–3 3.8b
¶14358892
ISC II 07 15 55 47.7–.89 57.33N–.06 120.86E–.03 7 28 1-13
BYKL II 07 15 55 47.7–.50 57.35N 120.80E ¶13970624
MOS II 07 15 55 48.3–1.5 57.31N 120.82E 10 4.2b
ISC Event type se.
BYKL Event type se.
MOS Error ellipse: s-maj=46.1km s-min=26.5km az=55.5.
SKHL II 10 20 31 32.0–.50 55.92N 125.26E 9–1 3.5b
¶14358997
SKHL III 06 18 17 23.9–.30 52.28N 134.81E 10–10 3.5b
¶14544140
SKHL III 07 20 17 53.7–.80 51.55N 135.42E 20–12 3.9b
¶14547664
SKHL III 13 02 42 12.8–.70 53.12N 128.86E 5 3.5b
¶14544243
SKHL III 18 08 55 43.5–.50 50.35N 131.55E 10–8 3.6b
¶14544315
MOS III 19 04 44 59.7–1.6 57.34N 120.51E 4 4.4b
BYKL III 19 04 44 58.3–.33 57.38N 120.65E 4.4b ¶14190496
MOS Error ellipse: s-maj=33.5km s-min=20.0km az=141.4.
BYKL Event type se.
SKHL III 20 03 28 34.3–1.3 51.22N 130.26E 7–1 3.8b
¶14544358
SKHL III 20 13 04 07.9–.40 54.39N 125.63E 9–2 3.8b
¶14544359
ISC IV 04 01 59 20.8–.86 49.20N–.04 131.54E–.04 14–5 25 0-7
BJI IV 04 01 59 13.9 49.21N 132.05E 7 4.2L ¶12606135
SKHL IV 04 01 59 19.1–.80 48.97N 131.38E 10–1 4.0b
ISC Event type ke.
SKHL IV 04 09 11 56.0–.40 52.14N 134.45E 13–1 3.9b
¶14682590
SKHL IV 11 02 09 31.5–.70 55.30N 122.04E 10–2 3.9b
¶14682794
ISC IV 13 15 10 31.8–.74 53.07N–.03 134.35E–.02 9–4 4.3b,3.8s 133 1-155
SKHL IV 13 15 10 28.4–1.3 53.08N 134.23E 12–4 6.0b,4.4s ¶13438478
IDC IV 13 15 10 29.8–.53 53.03N 134.45E 0 4.3,4.2

MOS IV 13 15 10 30.7–1.5 53.14N 134.36E 11 4.5b,4.2
BJI IV 13 15 10 33.7 53.00N 134.60E 20 4.5b,4.4b
NERS IV 13 15 10 37.7 53.37N 134.83E 33 4.2s,4.4b
JMA IV 13 15 11 41.7–.40 43.37N 144.01E 22–3 4.2s,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=14.2km az=96.0.
MOS Error ellipse: s-maj=11.0km s-min=6.5km az=105.6.
NERS Event type se.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
SKHL IV 13 18 17 13.8–1.0 53.12N 134.26E 8–1 3.6b
¶14682819
SKHL IV 21 06 15 03.0–1.1 51.19N 136.91E 29–4 4.5b
¶14682905
SKHL Event type fe. Felt (IV) at Khurmuly, (II) at Gornyy.
SKHL IV 21 18 46 52.7–.10 55.91N 126.94E 23–1 3.7b
¶14682906
SKHL IV 26 10 48 49.5–.20 55.99N 129.43E 20–3 4.4b
¶14682940
SKHL V 01 12 56 52.5–.90 51.17N 136.90E 25–7
¶14739528
ISC V 04 08 11 52.7–1.2 56.86N–.05 120.92E–.02 8–11 48 0-13
MOS V 04 08 11 53.3–1.4 56.83N 120.91E 10 4.6b **¶14264752**
BYKL V 04 08 11 54.7–.64 56.76N 120.87E 4.6b
ISC Event type se.
MOS Error ellipse: s-maj=24.5km s-min=19.2km az=140.7.
BYKL Event type se.
ISC V 24 00 30 45.3–.79 54.47N–.05 129.20E–.04 10 26 0-8
SKHL V 24 00 30 46.2–1.7 54.51N 129.20E 10–3 4.7b **¶14270050**
MOS V 24 00 30 46.3–1.3 54.58N 129.22E 16 4.4b
ISC Event type ke.
SKHL Event type fe. Felt (II) at Zeya.
MOS Event type fe. Error ellipse: s-maj=31.6km s-min=15.6km az=104.1. Felt (II) at Zeya. Moment Tensor Solution.
SKHL V 28 02 21 43.4–.40 55.08N 122.69E 24–2 4.4b
¶14739891
SKHL Event type fe. Felt (II) at Tinda.
SKHL VI 06 06 07 02.7–1.0 50.46N 136.01E 10–8 3.9b,3.1s
¶14852018
SKHL VI 13 04 30 10.4–.50 55.50N 130.60E 9–1 3.6b
¶14852546
SKHL VI 13 10 19 30.9–.50 54.58N 123.60E 10–1 3.9b
¶14852547
ISC VI 19 15 24 02.1–1.2 50.20N–.05 135.95E–.04 20–5 3.6b 24 1-85
IDC VI 19 15 23 60.0–.84 50.22N 135.67E 0 4.3,4.3s **¶13681666**
SKHL VI 19 15 24 01.6–.10 50.30N 135.87E 21–1 4.4b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=17.7km az=125.0.

(657) Priamurye-Northeastern China border region.

ISC III 06 03 32 35.7–.53 42.58N–.07 131.94E–.07 500 3.9b 74 1-81
MOS III 06 03 32 35.7–.85 42.62N 131.88E 519 3.9b **¶13435576**
ISCJB III 06 03 32 35.0–.29 42.65N–.05 131.83E–.06 500 3.8b
SKHL III 06 03 32 36.7–.90 42.79N 131.83E 522–20 4.2b
IDC III 06 03 32 37.7–.56 42.57N 131.80E 523–5 3.3,3.2b
BJI III 06 03 32 38.0 42.66N 131.69E 529 4.6b,4.4b
JMA III 06 03 32 39.3–.50 42.39N 132.52E 548 3.7,4.4b
ISC Event type ke.
MOS Error ellipse: s-maj=15.0km s-min=8.9km az=113.9.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.7km az=35.4.
IDC Error ellipse: s-maj=13.4km s-min=10.3km az=65.0.
JMA Error ellipse: s-maj=4.4km s-min=5.7km az=-1.0.
SKHL III 10 20 31 03.4–.60 53.59N 125.96E 7–2 4.0b
¶14544201
IDC III 19 08 00 03.7–1.5 42.22N 131.07E 573–20 2.5,2.3
¶12703659
IDC Error ellipse: s-maj=50.1km s-min=29.4km az=155.0.
SKHL III 26 04 11 37.1–1.0 53.08N 122.09E 10–7 3.7b
¶14544445
SKHL IV 05 00 30 18.4–.60 48.93N 131.57E 16–1 4.2b
¶14682621
ISC IV 06 05 09 34.5–.36 42.86N–.04 131.73E–.04 529–4 4.3b 520 0-149
BJI IV 06 05 09 30.8 42.84N 132.26E 548 5.2b,4.8b **¶12576598**
ISCJB IV 06 05 09 33.5–.18 42.89N–.02 131.61E–.03 517–2 4.3b,4.8b
SKHL IV 06 05 09 33.3–1.0 42.88N 131.75E 526–5 5.4b,5.1s
MOS IV 06 05 09 33.2–.86 42.95N 131.69E 523 4.3b,5.1s
JMA IV 06 05 09 33.9–.30 42.84N 132.15E 561 4.6,5.1s
NEIC IV 06 05 09 34.1–.40 42.93N 131.67E 522–7 4.5b,5.1s
IDC IV 06 05 09 34.9–.33 42.89N 131.65E 528–3 3.8,3.8
DJA IV 06 05 09 39.8–3.6 43N–13 131E–32 584–35 4.7b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC IV 18 03 56 31.2–.20 42.82N–.03 130.70E–.03 568 4.9b 1721 1-169
SZGRF IV 18 03 55 25.7 41.67N 133.81E 33 5.4b **¶13438803**
NIED IV 18 03 56 00 43.00N 131.30E 700 5.2W
JMA IV 18 03 56 28.4–.30 42.96N 131.25E 671 5.0
BGS IV 18 03 56 29.5–1.9 42.40N 130.07E 564 4.5b
SKHL IV 18 03 56 29.9–1.7 42.82N 130.62E 564–10 5.6b,5.6s
MOS IV 18 03 56 30.0–.84 42.85N 130.55E 562 5.0b,5.6s
BJI IV 18 03 56 30.6 42.80N 130.50E 564 5.4b,5.1b
ISCJB IV 18 03 56 30.5–.07 42.82N–.02 130.51E–.02 563 4.8b,5.1b
TEH IV 18 03 56 30.1 42.95N 130.69E 570 4.8L,5.1b
NEIC IV 18 03 56 31.3–.10 42.84N 130.48E 564 4.9b,5.1b
IDC IV 18 03 56 31.6–.33 42.83N 130.62E 571–3 4.4,4.4
DJA IV 18 03 56 36.5–2.7 43N–8.0 130E–28 609–23 5.3b,4.9b
ISC Event type se.
SZGRF Sea of Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ83.00000°,λ-65.00000°. NP2:ϕ_s116.00000°,δ26.00000°,λ-164.00000°. $M_0$6.97000×10^{16}
ISCJB Event type se.
NEIC Event type se.
SKHL V 16 11 52 39.3–.10 49.18N 130.54E 10–4 3.5b
¶14739742
SKHL V 17 17 56 37.5–.90 47.59N 130.13E 10–10 3.5b
¶14739749
ISC VI 07 16 26 06.5–.44 43.76N–.05 130.74E–.05 576–4 3.8b 183 1-152
ISCJB VI 07 16 26 05.8–.23 43.77N–.04 130.70E–.05 572–2 3.8b **¶13066062**
BJI VI 07 16 26 05.0 43.75N 130.85E 578 4.6b,4.6b
IDC VI 07 16 26 05.8–.51 43.75N 130.64E 565–6 3.4,3.4
MOS VI 07 16 26 05.0–.97 43.78N 130.72E 574 3.8b,3.4
SKHL VI 07 16 26 05.5–.40 43.78N 130.77E 566–21 5.0b,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=147.6.
IDC Error ellipse: s-maj=11.9km s-min=8.3km az=116.0.
MOS Error ellipse: s-maj=16.0km s-min=10.3km az=84.2.
ISC VI 14 09 22 33.3–.59 48.45N–.04 130.00E–.05 10 3.8b 30 1-90
SKHL VI 14 09 22 32.2–.70 48.42N 130.10E 10 4.3b **¶13196760**
IDC VI 14 09 22 33.3–.99 48.29N 130.15E 0 3.9,3.7
BJI VI 14 09 22 33.7 48.32N 130.07E 7 4.4b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=17.9km az=65.0.

(658) Northeastern China.

ISC I 01 05 46 26.2–.50 40.62N–.04 123.07E–.05 13 4.1b 48 1-74
BJI I 01 05 46 23.7 40.31N 122.94E 10 4.1L,3.9s **¶12079739**
IDC I 01 05 46 24.7–.64 40.64N 122.96E 0 4.0,3.9b
ISCJB I 01 05 46 24.0–.36 40.59N–.03 123.00E–.05 13 4.0b,3.9b
NEIC I 01 05 46 26.1–.40 40.62N 123.02E 10 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=12.4km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=20.5.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=7.1km az=45.0.
ISC I 14 02 35 13.5–.74 40.76N–.05 122.79E–.05 13 15 1-58
IDC I 14 02 35 11.3–1.6 40.76N 122.92E 0 3.8b,3.7 **¶12081243**
BJI I 14 02 35 14.2 40.70N 122.79E 9 3.9L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=28.7km s-min=16.5km az=32.0.
BJI I 22 20 27 08.8 42.57N 120.46E 10 4.2L
¶13433938
ISC II 10 23 46 10.6–.76 40.0N–.10 113.01E–.05 10 3.8b 24 2-71
ISCJB II 10 23 46 08.2–.47 39.94N–.07 112.96E–.06 10 3.6b **¶12699944**
IDC II 10 23 46 08.1–.93 40.02N 113.17E 0 3.9,3.8
NEIC II 10 23 46 09.8–.43 40.03N 113.08E 10 3.9b,3.8
MOS II 10 23 46 10.4–1.4 40.07N 113.09E 28 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.4km az=1.5.
IDC Error ellipse: s-maj=23.5km s-min=18.5km az=53.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.4km az=194.0.
MOS Error ellipse: s-maj=18.4km s-min=12.4km az=126.2.
BJI II 18 18 04 22.3 48.55N 123.07E 19 4.1L,3.8s
¶13434838
ISC II 24 18 05 42.6–.78 41.84N–.09 123.74E–.06 10 3.6b 10 0-82
ISCJB II 24 18 05 38.1–.61 41.87N–.05 124.03E–.06 10 3.6b **¶15957174**
IDC II 24 18 05 40.1–1.1 41.88N 123.89E 0 3.6,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.6km az=149.1.
IDC Error ellipse: s-maj=19.6km s-min=16.8km az=18.0.
ISC III 01 16 36 59.7–.66 39.55N–.06 112.83E–.04 10 3.2b 23 2-66
ISCJB III 01 16 36 56.0–.52 39.55N–.05 112.75E–.05 10 3.1b **¶12702203**
BJI III 01 16 36 57.7 39.48N 112.63E 11 3.7L,3.7b
IDC III 01 16 36 57.4–1.1 39.65N 112.84E 0 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.9km az=26.8.
IDC Error ellipse: s-maj=38.4km s-min=16.3km az=53.0.
ISC III 20 06 48 58.7–.50 43.32N–.04 125.14E–.05 10 3.9b,3.9s 37 1-80
ISCJB III 20 06 48 54.1–.39 43.22N–.03 125.19E–.05 10 3.8b,3.8s **¶12703788**
IDC III 20 06 48 55.6–.80 43.42N 125.15E 0 4.0,3.8
BJI III 20 06 48 56.5 43.38N 124.84E 7 4.5L,4.2s
NEIC III 20 06 48 57.6–.56 43.48N 125.24E 10 4.2b,4.2s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=30.6.
IDC Error ellipse: s-maj=17.5km s-min=16.2km az=34.0.
NEIC Event type fe. Error ellipse: s-maj=14.3km s-min=11.1km az=224.0. Felt [II] at Changchun. Also felt at Siping.
ISC III 28 11 11 20.3–1.7 38.94N–.04 112.98E–.03 12–11 4.1b,3.5s 97 1-104
IDC III 28 11 11 17.9–.59 38.91N 113.09E 0 4.1,4.0 **¶12604913**
MOS III 28 11 11 19.8–1.3 38.90N 112.98E 22 4.4b,4.0
ISCJB III 28 11 11 20.3–1.7 38.92N–.03 112.99E–.05 25–13 4.1b,3.5s
NEIC III 28 11 11 20.1–.35 38.88N 112.95E 10 4.4b,3.5s
BJI III 28 11 11 20.5 38.90N 112.93E 8 4.5L,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=14.2km az=71.0.
MOS Error ellipse: s-maj=10.5km s-min=8.3km az=107.7.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.1km az=9.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=7.3km az=90.0.
IDC IV 14 16 38 06.2–4.4 39.61N 118.21E 0 3.8,3.6
¶12609664
IDC Error ellipse: s-maj=109.3km s-min=37.1km az=23.0.
IDC IV 16 09 08 13.5–1.6 42.04N 121.62E 0 3.4,3.2
¶12608452
IDC Error ellipse: s-maj=40.5km s-min=20.7km az=40.0.
ISC V 10 14 47 44.7–.48 46.75N–.04 125.17E–.03 16–2 4.5b,3.4s 256 3-148
BJI V 10 14 47 41.6 46.81N 125.28E 7 4.8L,4.5b **¶13439478**
IDC V 10 14 47 42.2–.42 46.78N 125.15E 0 4.3,4.3
NEIC V 10 14 47 44.3–.22 46.80N 125.12E 10 4.5b,4.3
MOS V 10 14 47 45.6–.90 46.76N 125.25E 33 4.7b,4.3
SZGRF V 10 14 47 49.1 47.90N 126.96E 33 4.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=10.2km az=36.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.9km az=16.0.
MOS Error ellipse: s-maj=10.4km s-min=6.0km az=112.0.
SZGRF Northeastern China.
IDC V 12 01 01 58.6–2.3 40.22N 113.17E 0 3.4,3.4b
¶16155659
IDC Error ellipse: s-maj=49.1km s-min=34.9km az=20.0.
IDC V 16 16 33 25.1–2.3 42.92N 123.87E 0 3.7,3.5b
¶16155814
IDC Error ellipse: s-maj=39.4km s-min=32.0km az=169.0.
IDC V 18 23 51 44.9–.82 40.07N 113.24E 0 4.0,3.7
¶16155892
IDC Error ellipse: s-maj=25.4km s-min=15.9km az=66.0.
ISC VI 08 15 19 58.2–.65 38.99N–.06 123.34E–.05 10 3.8b 37 1-69
ISCJB VI 08 15 19 54.9–.50 39.15N–.05 123.33E–.05 10 3.6b **¶13195726**
IDC VI 08 15 19 55.5–1.1 39.02N 123.31E 0 3.8,3.7
BJI VI 08 15 19 57.1 39.15N 123.28E 8 4.5L,4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.9km az=160.4.
IDC Error ellipse: s-maj=29.5km s-min=13.8km az=24.0.
SKHL VI 19 10 49 51.8–.80 52.07N 124.37E 9–2 4.0b
¶13366333

(660) Sea of Japan.

ISC I 22 01 19 36.0–1.1 37.35N–.08 135.09E–.10 389–14 29 3-57
ISCJB I 22 01 19 35.5–.73 37.34N–.06 135.10E–.09 400–12 3.3b **¶12082019**
IDC I 22 01 19 36.4–1.1 37.40N 135.09E 390–19 3.1b,3.1
JMA I 22 01 19 37.0–.30 37.25N 135.12E 391 3.5,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=9.5km az=19.8.
IDC Error ellipse: s-maj=26.4km s-min=23.0km az=124.0.
JMA Error ellipse: s-maj=3.3km s-min=3.5km az=-1.0.
JMA I 30 13 51 25.1–.50 36.88N 135.50E 364–4 3.0
IDC I 30 13 51 25.4–1.0 36.88N 135.51E 368–12 3.2b,3.2 **¶12082742**
JMA Error ellipse: s-maj=3.3km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=22.4km s-min=13.1km az=64.0.
ISC II 01 17 04 02.1–.65 37.57N–.09 134.86E–.08 380–7 3.7b 45 2-94
JMA II 01 17 04 00.9–.20 37.48N 134.97E 396–2 3.3 **¶11677773**
ISCJB II 01 17 04 01.5–.32 37.57N–.07 134.85E–.08 385–4 3.4b
IDC II 01 17 04 02.1–.70 37.55N 134.82E 381–8 3.4,3.3
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=2.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=8.9km az=157.9.
IDC Error ellipse: s-maj=12.3km s-min=10.4km az=71.0.
ISC II 04 22 14 24.6–1.8 37.81N–.10 135.1E–.10 403 21 1-8
ISCJB II 04 22 14 24.7–.67 37.82N–.07 135.12E–.08 403 **¶12699558**
IDC II 04 22 14 25.6–6.7 37.95N 135.09E 393–119 2.7,2.7
JMA II 04 22 14 26.7–.30 37.72N 135.20E 393–3 2.7,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=8.3km az=10.2.
IDC Error ellipse: s-maj=59.7km s-min=24.0km az=161.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC II 07 23 43 08.8–.63 37.31N–.09 135.04E–.07 383–7 3.4b 47 1-79
NIED II 07 23 43 00 37.30N 135.00E 400 4.2W **¶12699755**
ISCJB II 07 23 43 08.0–.30 37.33N–.07 135.07E–.08 392–5 3.3b
JMA II 07 23 43 08.4–.20 37.32N 135.04E 386–2 3.6
IDC II 07 23 43 08.6–.60 37.28N 135.00E 381–7 3.2,3.2
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ89.00000°,λ-128.00000°. NP2:ϕ_s285.00000°,δ38.00000°,λ-2.00000°. $M_0$1.99000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=9.0km az=142.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=12.3km s-min=10.9km az=41.0.
JMA II 08 04 12 46.4–.20 37.57N 134.87E 402 3.5

¶15540041

JMA Error ellipse: s-maj=4.4km s-min=3.5km az=-1.0.
ISC II 17 01 18 34.8–.59 37.14N–.06 135.04E–.05 376–6 3.7b 72 1-151
NIED II 17 01 18 00 37.20N 135.00E 380 4.2W ¶12700969
ISCJB II 17 01 18 34.3–.25 37.18N–.05 135.07E–.05 383–3 3.7b
JMA II 17 01 18 34.3–.20 37.16N 135.05E 386–3 3.6
IDC II 17 01 18 34.9–.63 37.18N 134.97E 373–7 3.6,3.5
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ77.00000°,λ118.00000°. NP2:ϕ_s304.00000°,δ31.00000°,λ27.00000°. $M_0$2.19000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.7km az=155.6.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=9.2km s-min=8.5km az=92.0.
IDC II 22 05 03 54.4–1.3 36.10N 135.18E 371–17 3.0,2.9b
¶15956919

IDC Error ellipse: s-maj=38.4km s-min=17.8km az=52.0.
ISC II 22 10 10 28.7–.79 38.11N–.08 134.28E–.07 407 3.5b 23 3-71
ISCJB II 22 10 10 28.1–.41 38.17N–.06 134.17E–.06 407 3.4b ¶12701510
JMA II 22 10 10 28.7–.40 37.93N 134.28E 437–3 3.6
IDC II 22 10 10 29.4–1.0 38.04N 134.20E 421–12 3.3,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.6km az=34.7.
JMA Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=19.7km s-min=11.9km az=73.0.
ISC II 26 06 30 55.9–.81 42.21N–.10 135.79E–.07 350 3.1b 23 3-77
IDC II 26 06 30 57.2–1.1 42.26N 135.60E 369–10 3.0,2.9 ¶15957340
ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=14.3km az=36.0.
ISC III 16 20 06 46.7–.98 37.84N–.08 135.56E–.09 365 20 1-37
ISCJB III 16 20 06 46.7–.57 37.85N–.06 135.50E–.09 365 2.7b ¶12703456
JMA III 16 20 06 46.7–.40 37.75N 135.48E 371–4 2.7
IDC III 16 20 06 47.1–1.3 37.74N 135.58E 371–23 2.8,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=8.0km az=169.9.
JMA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=31.4km s-min=27.9km az=124.0.
ISC III 22 15 45 56.6–.92 38.5N–.10 133.6E–.20 448 2.9b 8 3-65
ISCJB III 22 15 45 55.7–.75 38.5N–.10 133.6E–.20 448 3.0b ¶12635302
IDC III 22 15 45 56.5–1.8 38.39N 133.67E 452–29 2.6,2.5b
JMA III 22 15 45 57.0–.30 38.11N 134.03E 491 3.1,2.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.0km s-min=14.2km az=137.8.
IDC Error ellipse: s-maj=37.9km s-min=18.9km az=60.0.
JMA Error ellipse: s-maj=6.7km s-min=3.5km az=-1.0.
ISC III 29 18 10 37.5–.78 38.4N–.10 133.83E–.08 447 3.5b 27 3-70
ISCJB III 29 18 10 36.9–.40 38.47N–.07 133.75E–.07 447 3.5b ¶12635880
JMA III 29 18 10 37.2–.30 38.29N 133.88E 464 3.4
IDC III 29 18 10 37.6–.97 38.39N 133.85E 449–13 3.2,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.8km az=16.2.
JMA Error ellipse: s-maj=4.4km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=18.9km s-min=16.6km az=90.0.
JMA IV 01 16 35 59.8–.40 37.24N 135.15E 383–4 3.5
¶15558437

JMA Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
IDC IV 05 02 31 43.2–291 40.69N 130.31E 0
¶16152395

IDC Error ellipse: s-maj=82.3km s-min=16.1km az=20.0.
ISC IV 05 05 40 37.4–.80 37.1N–.10 135.38E–.08 350 2.9b 16 1-66
JMA IV 05 05 40 37.2–.30 37.00N 135.35E 359–3 3.1 ¶12934585
ISCJB IV 05 05 40 37.2–.58 37.3N–.10 135.36E–.09 350 2.9b
IDC IV 05 05 40 37.4–1.2 37.00N 135.47E 360–14 3.0,2.8
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=8.6km az=23.4.
IDC Error ellipse: s-maj=20.7km s-min=18.5km az=9.0.
JMA IV 09 08 02 11.0–.10 36.85N 135.62E 16–3 1.8
¶15412066

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IV 13 00 22 24.7–.79 36.9N–.10 135.73E–.09 343–9 2.9b 23 1-67
ISCJB IV 13 00 22 23.9–.53 36.9N–.10 135.73E–.09 351–7 2.9b ¶12935231
JMA IV 13 00 22 24.9–.20 36.85N 135.75E 347–2 2.9
IDC IV 13 00 22 24.7–1.2 36.86N 135.72E 344–14 2.9,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=10.0km az=160.8.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=20.3km s-min=18.2km az=47.0.
ISC IV 20 07 28 33.6–.77 36.2N–.10 135.24E–.07 358–7 3.1b 27 1-94
ISCJB IV 20 07 28 33.1–.53 36.12N–.10 135.24E–.07 367–5 3.1b ¶12935759
JMA IV 20 07 28 33.4–.20 36.15N 135.21E 366–2 2.9
IDC IV 20 07 28 33.9–1.1 36.07N 135.20E 363–12 3.2,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=8.5km az=162.3.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=19.7km s-min=16.8km az=115.0.
ISC IV 23 22 53 35.2–.54 37.28N–.06 135.08E–.05 366–5 3.9b 93 1-151
NIED IV 23 22 53 00 37.20N 135.20E 380 4.3W ¶13439037
ISCJB IV 23 22 53 34.5–.22 37.30N–.04 135.10E–.04 372–3 3.8b
BJI IV 23 22 53 34.1 37.19N 135.11E 389 4.5b,4.5b
JMA IV 23 22 53 34.9–.10 37.24N 135.15E 373–2 3.5,4.5b
IDC IV 23 22 53 35.4–.58 37.27N 135.04E 364–6 3.7,3.6
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s172.00000°,δ77.00000°,λ109.00000°. NP2:ϕ_s295.00000°,δ23.00000°,λ35.00000°. $M_0$3.33000×10^{15}
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=161.9.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=9.7km s-min=8.9km az=171.0.
ISC IV 24 18 35 44.5–.87 38.7N–.10 133.86E–.08 447 3.3b 23 4-64
JMA IV 24 18 35 40.8–.50 38.65N 133.80E 506 3.6 ¶12936066
ISCJB IV 24 18 35 43.7–.44 38.76N–.08 133.80E–.07 447 3.2b
IDC IV 24 18 35 45.0–1.1 38.59N 133.71E 457–18 2.8,2.8
ISC Event type ke.
JMA Error ellipse: s-maj=6.7km s-min=5.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.6km az=15.1.
IDC Error ellipse: s-maj=29.0km s-min=17.4km az=168.0.
ISC IV 26 19 37 51.3–.73 37.10N–.09 135.25E–.07 361 2.9b 36 1-66
ISCJB IV 26 19 37 50.9–.38 37.17N–.06 135.22E–.07 361 2.9b ¶12936210
IDC IV 26 19 37 51.5–.98 37.09N 135.24E 364–11 2.9,2.8
JMA IV 26 19 37 52.0–.20 37.09N 135.24E 361–2 2.9,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.9km az=151.5.
IDC Error ellipse: s-maj=17.1km s-min=13.3km az=98.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC IV 30 02 00 57.0–1.0 37.2N–.10 135.09E–.07 372 19 2-42
IDC IV 30 02 00 56.6–2.0 37.10N 135.10E 391–25 2.8b,2.7 ¶12936487
JMA IV 30 02 00 56.1–.40 37.26N 135.01E 385–4 3.0,2.7
ISCJB IV 30 02 00 57.1–.57 37.27N–.09 135.09E–.08 372 3.0b,2.7
ISC Event type ke.
ISCJB Event type ke.
IDC IV 30 04 04 46.6–1.1 37.09N 134.97E 373–13 3.1,2.9
¶16154651

IDC Error ellipse: s-maj=19.4km s-min=14.8km az=73.0.
ISC IV 30 09 45 30.0–.94 37.38N–.10 134.8E–.10 378 2.8b 16 2-61
IDC IV 30 09 45 29.5–3.8 37.11N 134.21E 351–99 2.8,2.6 ¶12936510
ISCJB IV 30 09 45 29.5–.70 37.38N–.09 134.7E–.10 378 2.7b,2.6
JMA IV 30 09 45 30.1–.20 37.31N 134.92E 390–2 2.8,2.6
ISC Event type ke.
IDC Error ellipse: s-maj=199.9km s-min=20.9km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=10.8km az=43.3.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC V 06 01 12 36.8–.39 41.70N–.06 131.36E–.05 550 4.0b 135 1-150
ISCJB V 06 01 12 36.0–.20 41.72N–.04 131.33E–.04 550 3.9b ¶13678412
SKHL V 06 01 12 36.2–1.2 41.81N 131.27E 551–10 4.6b,4.0s
MOS V 06 01 12 36.2–.97 41.76N 131.24E 552 3.9b,4.0s
JMA V 06 01 12 36.9–.50 41.61N 131.71E 614 3.8,4.0s
IDC V 06 01 12 37.9–.57 41.67N 131.21E 558–6 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=9.7.
MOS Error ellipse: s-maj=12.8km s-min=8.3km az=111.0.
JMA Error ellipse: s-maj=4.4km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=10.5km s-min=8.7km az=111.0.
ISC V 15 02 03 10.1–.76 37.55N–.08 134.62E–.07 385 3.1b 31 2-81
JMA V 15 02 03 08.7–.30 37.43N 134.67E 411–3 3.3 ¶13678967
ISCJB V 15 02 03 09.4–.43 37.63N–.06 134.55E–.06 385 3.1b
IDC V 15 02 03 09.4–1.1 37.48N 134.59E 379–12 3.1,3.0
ISC Event type ke.
JMA Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=6.1km az=153.3.
IDC Error ellipse: s-maj=21.8km s-min=17.8km az=136.0.
ISC V 18 01 41 16.3–1.1 37.7N–.10 134.3E–.10 400 11 2-65
ISCJB V 18 01 41 16.5–.80 37.8N–.10 134.4E–.10 400 2.8b ¶13679150
IDC V 18 01 41 16.4–1.3 37.74N 134.44E 418–16 2.7,2.5
JMA V 18 01 41 17.3–.30 37.60N 134.65E 418 3.2,2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.1km s-min=12.5km az=19.2.
IDC Error ellipse: s-maj=37.9km s-min=20.7km az=65.0.
JMA Error ellipse: s-maj=5.6km s-min=4.4km az=-1.0.
ISC V 20 16 43 40.9–1.4 36.9N–.10 134.26E–.10 450 15 1-7
ISCJB V 20 16 43 40.6–.65 36.9N–.10 134.2E–.10 450 ¶13679321
JMA V 20 16 43 41.8–.20 37.06N 134.10E 428 2.5
IDC V 20 16 43 46.9–10 37.19N 134.10E 357–200 2.4,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=12.3km az=135.5.
JMA Error ellipse: s-maj=5.6km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=63.2km s-min=30.6km az=143.0.
ISC V 27 08 59 10.2–1.2 37.03N–.05 135.09E–.03 16–8 31 1-57
NIED V 27 08 59 00 37.10N 135.00E 14 3.4W ¶13679735
IDC V 27 08 59 08.8–1.9 37.08N 134.99E 0 3.5b,3.3
JMA V 27 08 59 08.2–.20 37.13N 134.95E 22 3.7,3.3
ISCJB V 27 08 59 10.2–2.1 37.08N–.04 135.03E–.04 28–21 3.6b,3.3
ISC Event type ke.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s158.00000°,δ79.00000°,λ15.00000°. NP2:ϕ_s65.00000°,δ75.00000°,λ168.00000°. $M_0$1.44000×10^{14}
ISCJB Event type ke.
ISC V 29 18 01 54.8–.65 37.14N–.07 135.21E–.07 374–7 3.6b 44 1-71
ISCJB V 29 18 01 53.8–.32 37.13N–.06 135.20E–.07 384–4 3.5b ¶13679916
IDC V 29 18 01 55.2–.96 37.14N 135.20E 376–11 3.3,3.2
JMA V 29 18 01 55.1–.20 37.16N 135.21E 373–3 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=8.8km az=147.0.
IDC Error ellipse: s-maj=15.5km s-min=10.9km az=77.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC VI 01 03 54 42.6–.82 37.73N–.08 134.52E–.07 385 2.8b 26 2-66
JMA VI 01 03 54 41.8–.30 37.74N 134.44E 405–4 3.1 ¶13680081
ISCJB VI 01 03 54 42.5–.46 37.82N–.06 134.48E–.07 385 2.8b
IDC VI 01 03 54 43.0–1.1 37.71N 134.47E 396–16 2.8,2.7
ISC Event type ke.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=7.3km az=3.9.
IDC Error ellipse: s-maj=30.5km s-min=16.9km az=169.0.
ISC VI 10 23 46 17.6–.85 38.15N–.10 133.61E–.07 428 3.3b 32 3-94
JMA VI 10 23 46 16.7–.30 37.99N 133.64E 473 3.4 ¶13681132
ISCJB VI 10 23 46 17.3–.45 38.28N–.06 133.48E–.06 428 3.1b
IDC VI 10 23 46 18.2–1.1 38.07N 133.39E 441–16 3.0,2.9
ISC Event type ke.
JMA Error ellipse: s-maj=4.4km s-min=3.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.6km az=165.1.
IDC Error ellipse: s-maj=29.1km s-min=17.3km az=172.0.
ISC VI 21 19 53 39.3–.77 37.14N–.09 135.21E–.08 375–9 2.8b 33 1-72
ISCJB VI 21 19 53 38.6–.45 37.16N–.07 135.18E–.07 381–7 2.9b ¶13681805
JMA VI 21 19 53 38.8–.20 37.16N 135.19E 382–2 2.7
IDC VI 21 19 53 39.3–.71 37.09N 135.22E 377–11 2.9,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=8.6km az=151.5.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=21.0km s-min=14.9km az=5.0.

(661) Primorye.

ISC I 20 07 43 45.5–.61 43.26N–.06 135.67E–.07 366 3.2b 37 2-63
ISCJB I 20 07 43 45.2–.34 43.36N–.04 135.57E–.06 366 3.2b ¶12081849
SKHL I 20 07 43 45.3–.00 43.08N 133.28E 240 4.3b,4.1
IDC I 20 07 43 46.9–1.2 43.33N 135.37E 368–13 3.1,3.0b
JMA I 20 07 43 49.6–.50 43.14N 136.11E 384 3.4,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.9km az=135.0.
IDC Error ellipse: s-maj=17.9km s-min=14.0km az=178.0.
JMA Error ellipse: s-maj=3.3km s-min=5.7km az=-1.0.
ISC II 15 19 45 35.6–.70 45.20N–.10 137.12E–.08 350 3.6b 27 4-69
ISCJB II 15 19 45 34.4–.52 45.27N–.08 137.21E–.10 350 3.4b ¶15956179
IDC II 15 19 45 35.4–1.0 45.24N 137.08E 345–10 3.2,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=9.3km az=166.2.
IDC Error ellipse: s-maj=14.4km s-min=11.9km az=24.0.
IDC II 22 04 29 59.8–1.2 43.61N 133.71E 444–13 2.9b,2.8
¶15956915

IDC Error ellipse: s-maj=28.7km s-min=15.2km az=59.0.
ISC III 13 09 07 02.0–.24 43.26N–.03 134.13E–.03 429–2 4.9b 1577 2-162
BGS III 13 09 06 49.6–1.8 41.53N 136.54E 430 4.9b ¶11876999
BJI III 13 09 06 59.3 43.08N 134.28E 418 5.0b,4.8b
NIED III 13 09 07 00 43.10N 134.70E 460 5.2W,4.8b
ISCJB III 13 09 07 00.2–.15 43.26N–.02 134.05E–.02 415–1 4.8b,4.8b
MOS III 13 09 07 00.5–.78 43.32N 134.08E 418 4.9b,4.8b
SZGRF III 13 09 07 01.7 43.77N 135.48E 430 5.3b,4.8b
SKHL III 13 09 07 01.9–.50 43.27N 134.32E 422–18 5.8b,5.6s
JMA III 13 09 07 01.5–.30 43.11N 134.65E 475–5 5.3,5.6s
IDC III 13 09 07 02.5–.33 43.27N 134.04E 433–3 4.4,4.4
DJA III 13 09 07 02.0–1.0 43N–12 134E–14 436 5.0b,4.7
NEIC III 13 09 07 02.3–.09 43.27N 134.05E 429 5.0b,4.7
GCMT III 13 09 07 05.8–.40 43.37N 133.91E 444–2 5.2W,4.7
ISC Event type se.
BGS Error ellipse: s-maj=739.6km s-min=999.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ65.00000°,λ99.00000°. NP2:ϕ_s335.00000°,δ26.00000°,λ72.00000°. $M_0$7.42000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=2.0km az=171.4.
MOS Error ellipse: s-maj=6.0km s-min=3.9km az=107.7.
SZGRF Primorye, Russia.
JMA Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=6.3km s-min=5.7km az=180.0.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=2.2km az=154.0.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s55,c75; Moment tensor: Scale 10^{16}Nm; M_{rr}7.21±.31 $M_{t\theta}$-1.65±.53; $M_{\theta\theta}$-5.57±.52; $M_{r\theta}$-2.51±.61; $M_{\theta\phi}$2.07±.47; $M_{\phi r}$-6.26±.59; Best double couple: NP1:ϕ_s323.00000°,δ29.00000°,λ53.00000°. NP2: ϕ_s184.00000°,δ67.00000°,λ108.00000°. Principal axes: T 10.6000,Plg63.0000° ,Azm123.0000°; N -2.3000,Plg17.0000°,Azm357.0000°; P -8.3000,Plg20.0000° ,Azm260.0000° $M_0$9.40000×10^{16}
IDC IV 02 04 06 06.3–1.3 43.21N 133.68E 450–6 2.8,2.8
¶16152256

IDC Error ellipse: s-maj=31.4km s-min=14.7km az=168.0.
IDC IV 27 14 05 40.3–1.6 43.07N 133.97E 446–20 2.8b,2.6
¶16154563

IDC Error ellipse: s-maj=43.6km s-min=29.1km az=167.0.
ISC V 26 12 04 08.1–.36 43.71N–.03 135.72E–.03 346–3 4.5b 619 1-146

NIED	V	26 12 04 00	43.60N	136.00E	380	4.7W		¶13439789
SKHL	V	26 12 04 07.5–.70	43.72N	135.74E	341–6	4.7b,4.6s		
ISCJB	V	26 12 04 07.2–.16	43.71N–.02	135.66E–.02	346–1	4.4b,4.6s		
MOS	V	26 12 04 07.2–.93	43.87N	135.58E	339	4.6b,4.6s		
JMA	V	26 12 04 07.9–.30	43.60N	135.98E	373	4.1,4.6s		
IDC	V	26 12 04 08.3–.78	43.74N	135.60E	347–7	4.0,4.0		
NEIC	V	26 12 04 08.3–.34	43.74N	135.55E	344–4	4.5b,4.0		
BJI	V	26 12 04 08.4	43.80N	135.60E	330	4.8b,4.4b		
ISC	Event type se.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s358.00000°,δ82.00000°,λ-37.00000°. NP2:ϕ_s94.00000°,δ54.00000°,λ-170.00000°. $M_0$1.08000×10^{16}							
ISCJB	Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=171.2.							
MOS	Error ellipse: s-maj=6.5km s-min=4.0km az=111.0.							
JMA	Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.							
IDC	Error ellipse: s-maj=8.5km s-min=8.0km az=3.0.							
NEIC	Event type se. Error ellipse: s-maj=5.0km s-min=3.0km az=170.0.							
SKHL	**VI**	**03 14 09 04.2–.20**	**51.52N**	**139.81E**	**10**	**3.8b**		**¶14851724**

(662) Sakhalin Island.

SKHL	**I**	**04 11 25 08.5–1.0**	**54.77N**	**142.05E**	**10**	**3.7b**		**¶14309081**
ISC	**I**	**12 18 01 10.0–.82**	**46.66N–.03**	**141.80E–.05**	**10**		**21**	**1-9**
NIED	I	12 18 01 00	46.80N	141.60E	5	3.8W		¶14141243
JMA	I	12 18 01 08.5–.50	46.79N	141.65E	0	3.6		
ISCJB	I	12 18 01 09.9–.41	46.75N–.02	141.78E–.05	10	3.6		
SKHL	I	12 18 01 09.1–.60	46.71N	141.77E	10	3.8b		
ISC	Event type ke.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s164.00000°,δ64.00000°,λ82.00000°. NP2:ϕ_s2.00000°,δ27.00000°,λ107.00000°. $M_0$6.28000×10^{14}							
JMA	Error ellipse: s-maj=3.3km s-min=4.6km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=3.3km az=175.8.							
SKHL	**I**	**21 07 14 54.1–.80**	**53.68N**	**142.59E**	**10**	**4.0b**		**¶14309084**
SKHL	**I**	**28 16 08 27.9–.50**	**53.60N**	**142.62E**	**10**	**4.2b**		**¶14310913**
SKHL	**II**	**01 15 50 03.7–1.0**	**48.99N**	**142.51E**	**10**	**3.7b**		**¶14358697**
SKHL	**II**	**12 01 51 33.5–.80**	**47.39N**	**142.06E**	**10**	**3.7b**		**¶14359065**
SKHL	Event type fe. Felt (II) at Kholmsk.							
SKHL	**II**	**14 05 56 23.4–.40**	**48.68N**	**142.43E**	**10**	**3.8b**		**¶14359118**
SKHL	**II**	**22 22 39 27.4–1.1**	**52.75N**	**142.65E**	**10**	**4.4b**		**¶14359418**
SKHL	**III**	**13 07 12 56.5–.10**	**52.80N**	**142.30E**	**10**	**4.3b**		**¶14544244**
SKHL	**III**	**18 09 53 52.4–.30**	**52.50N**	**142.40E**	**10**	**4.0b,2.9s**		**¶14544316**
SKHL	**IV**	**01 13 22 25.2–.40**	**48.55N**	**142.46E**	**10**	**3.9b**		**¶14682508**
ISC	**IV**	**02 10 00 41.1–.37**	**52.61N–.03**	**142.75E–.03**	**11**	**4.2b,3.5s**	**108**	**1-80**
SKHL	IV	02 10 00 37.6–1.0	52.54N	142.42E	10	4.5b,4.3s		¶12934326
MOS	IV	02 10 00 39.8–1.5	52.49N	142.98E	13	4.3b,4.3s		
ISCJB	IV	02 10 00 39.2–.27	52.49N–.02	142.87E–.07	11	4.2b,3.6s		
IDC	IV	02 10 00 39.3–.51	52.58N	142.77E	0	4.2,4.1		
BJI	IV	02 10 00 41.4	53.33N	143.02E	45	4.8b,4.7b		
NEIC	IV	02 10 00 42.6–2.1	52.58N	142.81E	21–16	4.3b,4.7b		
ISC	Event type fe.							
SKHL	Event type fe. Felt (III) at Chaivo, (II) at Nikolaevsk-na-Amure.							
MOS	Event type fe. Error ellipse: s-maj=11.2km s-min=6.6km az=89.9. Felt (III) at Chaivo; (II) at Nikolaevsk-na-Amure. Moment Tensor Solution.							
ISCJB	Event type fe. Error ellipse: s-maj=6.1km s-min=2.9km az=9.2.							
IDC	Error ellipse: s-maj=15.0km s-min=12.7km az=124.0.							
NEIC	Event type fe. Error ellipse: s-maj=6.4km s-min=4.9km az=136.0. Felt [III] at Chayvo and [II] at Nikolaevsk-na-Amure.							
SKHL	**V**	**04 23 58 18.8–1.2**	**54.65N**	**142.36E**	**10**	**3.8b**		**¶14739561**
ISC	**V**	**12 04 13 31.3–.70**	**48.58N–.03**	**142.50E–.05**	**9**	**3.9b**	**28**	**1-69**
IDC	V	12 04 13 27.0–7.1	48.15N	142.40E	0	4.0,3.7		¶13678792
MOS	V	12 04 13 29.8–1.4	48.63N	142.45E	14	4.0b,3.7		
SKHL	V	12 04 13 29.9–1.4	48.59N	142.60E	10	4.1b,3.7		
ISCJB	V	12 04 13 29.8–.47	48.57N–.03	142.40E–.08	9	3.7b,3.7		
ISC	Event type ke.							
MOS	Event type fe. Felt (II-III) at Makarov. Moment Tensor Solution.							
SKHL	Event type fe. Felt (II-III) at Makarov.							
ISCJB	Event type fe.							
ISC	**V**	**24 04 45 59.7–.36**	**53.08N–.03**	**142.84E–.03**	**11**	**4.3b,3.5s**	**119**	**0-149**
ISCJB	V	24 04 45 57.7–.25	53.06N–.02	142.74E–.04	11	4.1b,3.5s		¶13679523
MOS	V	24 04 45 57.2–1.2	53.10N	142.96E	7	4.4b,3.5s		
SKHL	V	24 04 45 58.1–.20	53.04N	142.62E	10	4.6s,4.5b		
IDC	V	24 04 45 58.0–.60	53.11N	142.88E	0	4.1,4.0		
NEIC	V	24 04 46 01.2–1.9	53.04N	142.90E	22–14	4.5b,4.0		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=3.7km s-min=3.2km az=38.9.							
MOS	Event type fe. Error ellipse: s-maj=11.1km s-min=7.4km az=89.4. Felt (IV-V) at Sabo; (II-III) at Okha. Moment Tensor Solution.							
SKHL	Event type fe. Felt (IV-V) at Sabo, (II-III) at Okha.							
IDC	Error ellipse: s-maj=18.9km s-min=12.9km az=171.0.							
NEIC	Event type fe. Error ellipse: s-maj=7.8km s-min=5.6km az=167.0. Felt [V] at Sabo and [III] at Okha.							
ISC	**V**	**29 16 03 49.9–.28**	**46.02N–.03**	**143.42E–.03**	**340–2**	**4.6b**	**584**	**1-155**
SZGRF	V	29 16 03 15.1	46.10N	145.70E	33	4.7b		¶13469868
DJA	V	29 16 03 43.2–5.7	46N–13	144E–26	283–55	5.0b,4.6		
BJI	V	29 16 03 47.3	46.12N	143.65E	335	4.9b,4.4b		
MOS	V	29 16 03 48.5–.97	46.05N	143.44E	336	4.6b,4.4b		
ISCJB	V	29 16 03 49.0–.15	45.98N–.02	143.50E–.03	343–1	4.5b,4.4b		
JMA	V	29 16 03 49.3–.30	45.83N	143.59E	352–3	4.9,4.4b		
SKHL	V	29 16 03 49.5–1.5	45.98N	143.59E	347–17	5.9b,5.4s		
IDC	V	29 16 03 50.4–.34	46.07N	143.44E	343–3	4.3,4.3		
NEIC	V	29 16 03 50.1–.13	46.02N	143.45E	342	4.7b,4.3		
NIED	V	29 16 04 00	45.90N	143.70E	360	4.8W,4.3		
ISC	Event type se.							
SZGRF	Sea of Okhotsk.							
MOS	Error ellipse: s-maj=6.7km s-min=4.5km az=96.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.5km s-min=2.9km az=166.2.							
JMA	Event type fe. Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.							
IDC	Error ellipse: s-maj=6.8km s-min=5.9km az=158.0.							
NEIC	Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=150.0. Recorded [1 JMA] in eastern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ75.00000°,λ59.00000°. NP2:ϕ_s45.00000°,δ34.00000°,λ152.00000°. $M_0$1.80000×10^{16}							
ISC	**VI**	**15 19 59 11.6–1.2**	**46.78N–.05**	**142.20E–.10**	**12**		**7**	**0-4**
JMA	VI	15 19 59 08.9–.10	47.06N	142.11E	24	3.0		¶14489880
SKHL	VI	15 19 59 09.6–.50	46.80N	142.04E	10	3.6b		
ISCJB	VI	15 19 59 11.3–.89	46.87N–.04	142.09E–.09	12	3.6b		
ISC	Event type ke.							
ISCJB	Event type ke.							
ISC	**VI**	**18 02 32 04.1–1.2**	**46.93N–.03**	**141.74E–.04**	**14–8**	**3.8b**	**56**	**1-84**
NIED	VI	18 02 32 00	47.20N	141.70E	17	4.0W		¶13681572
JMA	VI	18 02 32 01.1–.50	47.16N	141.68E	26	4.1		
MOS	VI	18 02 32 01.1–2.5	46.91N	141.49E	12	3.9b		
IDC	VI	18 02 32 02.4–.80	46.89N	141.62E	0	3.8,3.7		
SKHL	VI	18 02 32 03.6–.40	46.88N	141.65E	10	4.3b,3.7		
ISCJB	VI	18 02 32 04.4–.85	46.93N–.03	141.64E–.07	21–8	3.6b,3.6s		
ISC	Event type ke.							
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s335.00000°,δ76.00000°,λ78.00000°. NP2:ϕ_s197.00000°,δ19.00000°,λ131.00000°. $M_0$1.05000×10^{15}							
MOS	Event type fe. Felt (III) at Kholmsk, (II-III) at Nevel'sk. Moment Tensor Solution.							
SKHL	Event type fe. Felt (III) at Kholmsk, (II-III) at Nevel'sk.							
ISCJB	Event type fe.							
SKHL	**VI**	**26 23 25 53.2–2.5**	**52.47N**	**142.50E**	**9–2**	**3.6b**		**¶14853684**

(663) Sea of Okhotsk.

ISC	**I**	**01 09 11 25.6–.65**	**48.22N–.10**	**147.5E–.10**	**500**	**3.2b**	**32**	**5-80**
ISCJB	I	01 09 11 25.0–.52	48.26N–.07	147.5E–.20	500	3.1b		¶12079747
IDC	I	01 09 11 25.8–1.4	48.57N	147.42E	483–18	3.0,2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=16.2km s-min=6.1km az=30.8.							
IDC	Error ellipse: s-maj=18.4km s-min=11.6km az=135.0.							
ISC	**II**	**03 05 47 20.7–.65**	**47.92N–.08**	**144.81E–.09**	**500**	**3.7b**	**37**	**2-72**
BJI	II	03 05 47 18.0	48.10N	144.90E	490	5.0b,4.7b		¶12699445
ISCJB	II	03 05 47 20.1–.46	48.09N–.05	144.7E–.10	500	3.4b,4.7b		
JMA	II	03 05 47 20.9–.50	47.79N	145.34E	508	3.7,4.7b		
MOS	II	03 05 47 20.8–.85	48.15N	144.64E	508	4.0b,4.7b		
IDC	II	03 05 47 21.4–1.3	48.17N	144.63E	498–17	3.1,3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.9km s-min=7.2km az=6.5.							
JMA	Error ellipse: s-maj=5.6km s-min=6.0km az=-1.0.							
MOS	Error ellipse: s-maj=19.7km s-min=11.8km az=77.8.							
IDC	Error ellipse: s-maj=15.2km s-min=13.6km az=126.0.							
ISC	**II**	**09 23 30 14.0–.91**	**51.4N–.20**	**151.20E–.10**	**450**	**3.2b**	**28**	**4-70**
KRSC	II	09 23 30 09.8–3.6	50.21N	152.53E	568–78	4.5L		¶12699879
ISCJB	II	09 23 30 13.5–.68	51.4N–.10	150.9E–.10	450	3.1b		
MOS	II	09 23 30 13.2–1.0	51.23N	151.12E	471	4.4b		
IDC	II	09 23 30 14.7–1.7	51.24N	151.11E	466–26	3.0,2.8		
ISC	Event type se.							
KRSC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=19.6km s-min=8.2km az=169.5.							
MOS	Error ellipse: s-maj=30.7km s-min=17.1km az=55.3.							
IDC	Error ellipse: s-maj=46.5km s-min=15.6km az=165.0.							
JMA	**II**	**17 10 43 43.9–.50**	**46.10N**	**144.75E**	**333**	**3.5**		**¶15543242**
JMA	Error ellipse: s-maj=5.6km s-min=5.4km az=-1.0.							
ISC	**II**	**17 21 37 12.0–.80**	**46.47N–.08**	**144.97E–.09**	**403–7**	**3.5b**	**38**	**2-82**
ISCJB	II	17 21 37 11.1–.59	46.53N–.07	145.0E–.10	405–6	3.5b		¶12701057
JMA	II	17 21 37 11.4–.50	46.55N	145.00E	405	3.8		
IDC	II	17 21 37 12.1–1.3	47.02N	144.77E	381–18	3.4,3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=13.9km s-min=10.7km az=29.6.							
JMA	Error ellipse: s-maj=5.6km s-min=6.1km az=-1.0.							
IDC	Error ellipse: s-maj=26.0km s-min=12.8km az=160.0.							
ISC	**III**	**15 05 10 48.1–.50**	**46.60N–.06**	**144.93E–.07**	**379**	**3.6b**	**62**	**2-82**
MOS	III	15 05 10 45.2–.94	47.00N	145.04E	348	3.9b		¶12703328
ISCJB	III	15 05 10 47.4–.34	46.69N–.03	144.90E–.08	379	3.5b		
IDC	III	15 05 10 49.6–1.1	46.77N	144.92E	386–12	3.3,3.3		
JMA	III	15 05 10 50.7–.50	46.34N	145.16E	386	3.5,3.3		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=15.7km s-min=10.0km az=103.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.7km s-min=4.6km az=7.2.							
IDC	Error ellipse: s-maj=13.6km s-min=9.8km az=163.0.							
JMA	Error ellipse: s-maj=5.6km s-min=6.1km az=-1.0.							
ISC	**III**	**28 01 20 31.6–.65**	**54.11N–.09**	**154.90E–.10**	**489–10**	**3.1b**	**62**	**2-80**
KRSC	III	28 01 20 25.3–2.2	53.89N	154.83E	559–48	4.5L		¶12635735
MOS	III	28 01 20 30.7–1.2	54.24N	154.53E	485	3.7b		
ISCJB	III	28 01 20 31.3–.35	54.18N–.09	154.7E–.20	494–6	3.2b		
IDC	III	28 01 20 32.4–1.2	54.22N	154.50E	488–16	3.0,2.9		
ISC	Event type se.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=20.1km s-min=15.5km az=81.8.							
ISCJB	Event type se. Error ellipse: s-maj=16.5km s-min=10.8km az=41.3.							
IDC	Error ellipse: s-maj=15.3km s-min=12.5km az=150.0.							
ISC	**IV**	**04 22 05 48.1–.84**	**53.4N–.10**	**154.5E–.10**	**461–11**	**3.2b**	**32**	**2-79**
KRSC	IV	04 22 05 42.3–1.3	52.98N	155.04E	539–50	4.6L		¶12934431
MOS	IV	04 22 05 46.4–.73	53.58N	153.95E	447	4.2b		
ISCJB	IV	04 22 05 47.3–.62	53.5N–.10	154.3E–.20	459–9	3.2b		
IDC	IV	04 22 05 48.2–1.3	53.43N	153.98E	456–18	3.1,2.9		
ISC	Event type ke.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=28.6km s-min=17.0km az=63.5.							
ISCJB	Event type ke. Error ellipse: s-maj=28.8km s-min=13.0km az=41.6.							
IDC	Error ellipse: s-maj=23.8km s-min=13.1km az=130.0.							
KRSC	**IV**	**26 13 12 23.8–2.3**	**53.02N**	**154.73E**	**512–58**	**4.4L**		**¶14510109**
KRSC	Event type se.							
ISC	**V**	**07 13 37 15.9–.65**	**47.26N–.08**	**145.39E–.08**	**462–8**	**3.6b**	**66**	**3-82**
ISCJB	V	07 13 37 14.8–.40	47.34N–.06	145.35E–.10	461–6	3.6b		¶13678501
IDC	V	07 13 37 15.9–.85	47.61N	145.19E	447–10	3.4,3.3		
JMA	V	07 13 37 15.5–.40	47.12N	145.47E	479	3.9,3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=12.1km s-min=7.7km az=43.3.							
IDC	Error ellipse: s-maj=11.8km s-min=9.1km az=139.0.							
JMA	Error ellipse: s-maj=5.6km s-min=5.3km az=-1.0.							
ISC	**V**	**13 19 08 25.0–.59**	**53.11N–.08**	**154.60E–.09**	**476–8**	**3.5b**	**86**	**2-79**
KRSC	V	13 19 08 18.4–1.2	52.83N	154.40E	528–57	4.4L		¶13678886
MOS	V	13 19 08 23.9–1.2	53.31N	154.66E	493	4.4b		
ISCJB	V	13 19 08 24.4–.33	53.16N–.07	154.4E–.20	475–6	3.4b		
IDC	V	13 19 08 25.3–.69	53.39N	154.02E	460–9	3.2,3.1		
ISC	Event type se.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=22.0km s-min=14.0km az=63.1.							
ISCJB	Event type se. Error ellipse: s-maj=17.2km s-min=6.4km az=32.3.							
IDC	Error ellipse: s-maj=17.4km s-min=9.7km az=127.0.							
ISC	**V**	**14 20 41 23.8–.86**	**48.3N–.20**	**145.6E–.10**	**471**	**3.2b**	**12**	**2-70**
ISCJB	V	14 20 41 22.4–.69	48.5N–.10	145.4E–.30	471	3.3b		¶13678954
MOS	V	14 20 41 23.7–1.2	48.25N	145.67E	493	3.9b		
IDC	V	14 20 41 23.6–2.0	48.46N	145.42E	466–38	3.1,2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=25.8km s-min=12.8km az=34.0.							
MOS	Error ellipse: s-maj=38.0km s-min=19.5km az=72.2.							
IDC	Error ellipse: s-maj=40.2km s-min=19.5km az=172.0.							
ISC	**V**	**18 11 11 25.4–.64**	**47.28N–.07**	**145.4E–.10**	**450**	**3.2b**	**32**	**2-82**
ISCJB	V	18 11 11 24.6–.46	47.40N–.05	145.3E–.10	450	3.2b		¶13439688
MOS	V	18 11 11 25.9–.88	47.61N	145.01E	465	3.9b		
IDC	V	18 11 11 26.1–1.7	47.58N	145.12E	449–20	3.1,3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=13.4km s-min=6.2km az=9.7.							
MOS	Error ellipse: s-maj=35.8km s-min=19.2km az=87.9.							
IDC	Error ellipse: s-maj=17.1km s-min=13.9km az=108.0.							
ISC	**V**	**19 00 37 15.1–.56**	**53.35N–.08**	**154.22E–.07**	**490–7**	**3.4b**	**83**	**2-75**
KRSC	V	19 00 37 11.1–2.0	53.14N	154.85E	551–51	4.4L		¶13679213
MOS	V	19 00 37 13.9–1.4	53.36N	154.03E	487	4.2b		
ISCJB	V	19 00 37 14.4–.27	53.36N–.06	154.08E–.10	489–4	3.3b		
IDC	V	19 00 37 15.5–.67	53.37N	153.87E	492–10	3.2,2.9		
ISC	Event type se.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=15.6km s-min=9.1km az=63.1.							
ISCJB	Event type se. Error ellipse: s-maj=11.6km s-min=6.1km az=135.3.							
IDC	Error ellipse: s-maj=20.7km s-min=8.7km az=149.0.							
ISC	**VI**	**07 01 29 05.3–.69**	**53.56N–.08**	**154.47E–.09**	**470–8**	**3.1b**	**71**	**2-79**
KRSC	VI	07 01 28 59.1–1.7	53.25N	154.75E	542–72	4.4L		¶13680752
MOS	VI	07 01 29 03.4–1.4	53.55N	154.07E	462	3.5b		
ISCJB	VI	07 01 29 04.6–.42	53.59N–.07	154.3E–.10	471–5	3.1b		
IDC	VI	07 01 29 05.0–1.2	53.63N	154.05E	460–15	3.1,2.9		
ISC	Event type se.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=20.0km s-min=15.7km az=60.5.							
ISCJB	Event type se. Error ellipse: s-maj=15.1km s-min=9.1km az=33.6.							
IDC	Error ellipse: s-maj=18.0km s-min=13.6km az=146.0.							
ISC	**VI**	**16 00 03 55.6–.24**	**47.16N–.03**	**145.62E–.03**	**397–1**	**5.2b**	**1588**	**2-154**
NIED	VI	16 00 03 00	46.70N	145.90E	480	5.1W		¶13197034

DJA VI 16 00 03 49.2–5.7 47N–16 146E–30 348–56 5.2b,5.1b
MOS VI 16 00 03 53.8–.79 47.24N 145.60E 386 5.3b,5.1b
BJI VI 16 00 03 54.1 47.35N 145.66E 393 4.8b,4.6b
SKHL VI 16 00 03 54.9–2.1 47.17N 145.90E 391–6 5.5,5.4b
JMA VI 16 00 03 54.1–.30 46.73N 145.92E 438 5.1,5.4b
ISCJB VI 16 00 03 54.5–.16 47.20N–.02 145.60E–.02 393–2 5.1b,5.4b
NEIC VI 16 00 03 55.4–.37 47.22N 145.54E 389–4 5.2b,5.4b
TEH VI 16 00 03 56.0 47.23N 145.48E 393 5.1L,5.4b
IDC VI 16 00 03 56.4–.33 47.19N 145.64E 401–3 4.7,4.7
BGS VI 16 00 03 58.5–1.2 47.78N 145.45E 389 5.1b,4.7
SZGRF VI 16 00 04 06.9 48.68N 145.24E 404 5.7b,4.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ64.00000°,λ-56.00000°. NP2:ϕ_s190.00000°,δ42.00000°,λ-139.00000°. M_o4.64000×10^{16}
MOS Error ellipse: s-maj=6.8km s-min=4.0km az=102.7.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=150.2.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=159.0. Recorded [1 JMA] in Aomori, Honshu.
IDC Error ellipse: s-maj=5.9km s-min=5.0km az=120.0.
BGS Error ellipse: s-maj=140.0km s-min=426.4km az=-1.0.
SZGRF Sea of Okhotsk.

(664) Southeastern China.

ISC I 07 15 05 15.9–1.3 26.2N–.20 105.39E–.09 35 3.3b 10 1-86
IDC I 07 15 05 08.7–4.4 26.02N 105.76E 0 3.4,3.3b **¶12080650**
ISCJB I 07 15 05 14.4–.96 26.3N–.10 105.39E–.10 33 3.2b,3.3b
ISC Event type ke.
ISCJB Event type ke.
BJI I 08 17 41 33.7 33.26N 120.98E 14 3.6L
¶13404681
ISC I 17 12 41 52.8–.65 26.84N–.04 104.14E–.04 13–3 4.3b,3.7s 150 2-144
IDC I 17 12 41 50.9–.72 26.93N 104.16E 0 4.3,4.2 **¶13405791**
BJI I 17 12 41 51.5 26.87N 104.07E 10 4.9b,4.5s
NEIC I 17 12 41 52.5–.28 26.87N 104.06E 10 4.4b,4.5s
MOS I 17 12 41 53.7–.91 26.86N 104.07E 33 4.6b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=14.7km az=53.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.7km az=184.0.
MOS Error ellipse: s-maj=10.5km s-min=6.8km az=114.5.
BJI I 17 20 10 53.0 34.57N 112.96E 14 3.8L
¶13405803
BJI I 18 08 12 29.1 26.79N 104.17E 14 3.5L
¶13405817
ISC II 28 03 59 36.6–.80 26.92N–.06 104.08E–.06 10 3.9b,3.3s 16 2-86
ISCJB II 28 03 59 31.7–.40 26.79N–.04 104.19E–.04 10 3.9b,3.5s **¶12702071**
IDC II 28 03 59 32.7–.87 26.90N 104.16E 0 4.0,3.9b
BJI II 28 03 59 34.1 26.83N 104.18E 18 4.7b,4.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.0km az=150.8.
IDC Error ellipse: s-maj=26.0km s-min=16.9km az=45.0.
ISC III 01 00 09 38.0–.61 26.85N–.04 104.18E–.05 10 3.8b,3.1s 24 2-86
ISCJB III 01 00 09 35.5–.42 26.92N–.04 104.13E–.04 10 3.8b,3.1s **¶12702154**
IDC III 01 00 09 35.7–.98 26.88N 104.22E 0 3.9,3.8
BJI III 01 00 09 36.4 26.90N 104.20E 11 4.5b,4.2s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.7km az=29.6.
IDC Error ellipse: s-maj=36.3km s-min=18.0km az=56.0.
ISC III 22 12 48 54.3–.53 26.92N–.03 104.12E–.04 15–3 4.5b,4.2s 221 2-95
ISCJB III 22 12 48 50.5–.88 26.92N–.02 104.06E–.03 5–5 4.5b,4.2s **¶12054561**
BJI III 22 12 48 52.1 26.95N 104.20E 11 4.9s,4.9b
NEIC III 22 12 48 53.3–.23 26.98N 104.14E 10 4.7b,4.9b
DJA III 22 12 48 55.3–.50 27N–6.0 104E–10 10 5.3b,4.8
IDC III 22 12 48 56.3–3.4 26.93N 104.12E 33–26 4.3,4.2b
MOS III 22 12 48 56.0–.93 26.88N 104.10E 46 4.7b,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.7km az=8.3.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.8km az=77.0.
IDC Error ellipse: s-maj=16.3km s-min=10.5km az=52.0.
MOS Error ellipse: s-maj=10.2km s-min=5.5km az=109.8.
BJI IV 06 14 22 38.4 31.96N 117.47E 4 3.9L
¶12606600
BJI V 02 05 48 21.7 36.42N 111.13E 7 3.6L
¶12750259
IDC VI 03 22 19 29.4–1.6 31.21N 110.83E 0 3.7,3.6
¶13194892
IDC Error ellipse: s-maj=66.7km s-min=26.0km az=61.0.

(665) Yellow Sea.

ISC III 25 04 14 49.6–.47 36.86N–.05 123.41E–.03 10 4.0b 54 2-71
ISCJB III 25 04 14 46.4–.39 36.72N–.04 123.41E–.03 10 4.0b **¶12635518**
IDC III 25 04 14 47.0–.90 36.65N 123.25E 0 4.0,3.9b
BJI III 25 04 14 47.5 36.50N 123.20E 5 4.1b,3.9L
NEIC III 25 04 14 48.1–.42 36.65N 123.31E 10 4.2b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.0km az=3.3.
IDC Error ellipse: s-maj=25.0km s-min=13.7km az=9.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.5km az=8.0.

SEISMIC REGION 42.
Northeastern Asia, Northern Alaska to Greenland.

(671) Eastern Siberia.

ISC I 06 00 05 39.7–.54 60.19N–.04 149.42E–.03 12–3 3.9b 92 1-78
MOS I 06 00 05 37.8–.91 60.12N 149.28E 16 4.2b **¶12080429**
NERS I 06 00 05 37.8 60.13N 149.30E 2 4.2b
NEIC I 06 00 05 40.8–.72 60.44N 149.08E 15–4 4.2b
IDC I 06 00 05 41.2–1.0 60.44N 149.17E 18–4 3.7,3.6
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=17.5km s-min=10.8km az=88.4. Felt (III) at Magadan, Karamken. Moment Tensor Solution.
NERS Event type se. Felt I=III MSK at Magadan(105km).
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=7.6km az=149.0.
IDC Error ellipse: s-maj=26.1km s-min=15.1km az=150.0.
NERS I 08 11 52 34.0 64.80N 148.39E 17
¶14339577
NERS Event type se.
ISC I 17 08 03 47.6–1.4 60.75N–.04 165.79E–.06 9–9 4.1b 108 0-151
IDC I 17 08 03 46.5–.51 60.78N 165.73E 0 4.1,4.0b **¶13405781**
KRSC I 17 08 03 46.6–.70 60.69N 165.96E 20–20 4.6L,4.0b
MOS I 17 08 03 46.8–1.1 60.73N 165.78E 17 4.2b,4.0b
ISCJB I 17 08 03 47.3–1.0 60.72N–.04 165.78E–.08 20–8 4.1b,3.9s
NEIC I 17 08 03 51.2–2.1 60.71N 165.79E 34–15 4.5b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=11.6km az=34.0.
KRSC Event type se.
MOS Error ellipse: s-maj=16.9km s-min=7.9km az=94.2.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.8km az=136.9.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.6km az=188.0.
ISC I 17 22 31 00.3–1.4 59.73N–.05 146.31E–.04 2–10 26 2-51
NERS I 17 22 31 00.7 59.75N 146.21E 11 **¶12081579**
IDC I 17 22 31 01.8–1.7 59.76N 146.81E 0 4.0,3.9L
ISC Event type ke.
NERS Event type se.
IDC Error ellipse: s-maj=35.4km s-min=33.8km az=106.0.
ISC I 21 17 37 42.3–1.3 61.53N–.04 156.53E–.03 8–8 4.4b 339 1-151
IDC I 21 17 37 40.9–.45 61.45N 156.51E 0 4.3,4.3 **¶11677650**
NERS I 21 17 37 40.4 61.39N 156.32E 2 4.3,4.3
MOS I 21 17 37 41.0–1.1 61.45N 156.46E 12 4.5b,4.3
NEIC I 21 17 37 42.0–3.2 61.46N 156.48E 8–20 4.7b,4.3
BJI I 21 17 37 45.3 61.46N 155.96E 24 5.0b,4.8s
ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=9.8km az=152.0.
NERS Event type se. Felt I=IV MSK at Omsukchan(128km).
MOS Event type fe. Error ellipse: s-maj=11.4km s-min=7.4km az=80.3. Felt (IV) at Omsukchan. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.1km az=160.0.
ISC II 16 11 50 45.7–.35 60.90N–.04 165.52E–.03 15 4.5b,3.9s 357 1-151
KRSC II 16 11 50 41.1–.00 60.81N 166.07E 9–15 5.0L,3.9s **¶11678041**
MOS II 16 11 50 42.7–1.1 60.84N 165.71E 11 4.7b,3.9s
BJI II 16 11 50 42.6 61.09N 166.18E 27 5.1b,4.6s
ISCJB II 16 11 50 43.8–.13 60.86N–.03 165.56E–.03 15 4.5b,3.9s
IDC II 16 11 50 43.1–.47 60.87N 165.65E 0 4.3,4.2
NERS II 16 11 50 44.5 60.86N 165.49E 11 4.3,4.2
NEIC II 16 11 50 48.2–.75 60.85N 165.69E 36–7 4.6b,4.2
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=11.9km s-min=5.9km az=87.6.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.2km az=163.5.
IDC Error ellipse: s-maj=12.7km s-min=11.4km az=180.0.
NERS Event type se.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.3km az=165.0.
KRSC IV 01 20 31 27.2–.80 60.46N 166.42E 6–5 4.7L
¶14509617
KRSC Event type se.
ISC IV 21 12 22 35.4–.32 64.59N–.04 168.62E–.03 12–1 5.0b,4.4s 1063 4-154
IDC IV 21 12 22 32.8–.35 64.54N 168.34E 0 4.9,4.9 **¶12638909**
BJI IV 21 12 22 33.0 64.60N 168.40E 10 5.3s,5.1b
ISCJB IV 21 12 22 33.6–.10 64.53N–.02 168.51E–.03 12 5.0b,4.4s
MOS IV 21 12 22 34.1–1.2 64.43N 168.53E 17 5.2b,4.2s
NEIC IV 21 12 22 35.1–.17 64.51N 168.48E 10 5.1b,4.2s
NERS IV 21 12 22 36.8 64.77N 167.67E 17 5.1b,4.2s
GCMT IV 21 12 22 36.9–.20 64.73N 168.29E 18–1 5.0W,4.2s
DJA IV 21 12 22 56.6–8.3 65N–14 167E–25 179–70 5.4b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
NERS Event type se.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s31,c43; s79,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}1.06±.17 $M_{\theta\theta}$-0.96±.14; $M_{\phi\phi}$-0.11±.11; $M_{r\theta}$0.74±.33; $M_{\theta\phi}$3.23±.09; $M_{\phi r}$-1.65±.33; Best double couple: NP1:ϕ_s266.00000°,δ60.00000°,λ6.00000°. NP2:ϕ_s173.00000°,δ85.00000°,λ149.00000°. Principal axes: T 3.0700,Plg25.0000° ,Azm125.0000°; N 1.2300,Plg59.0000°,Azm345.0000°; P -4.3000,Plg17.0000° ,Azm223.0000° M_o3.70000×10^{16}
KRSC V 10 20 05 11.7–1.6 60.55N 166.89E 12–11 4.4L
¶14785024
KRSC Event type se.
ISC V 15 12 45 24.7–.91 64.68N–.06 167.78E–.06 10 3.8b 22 3-88
IDC V 15 12 45 22.2–1.3 64.46N 168.05E 0 3.8,3.5 **¶13678995**
NERS V 15 12 45 23.7 64.69N 168.07E 0 3.8,3.5
MOS V 15 12 45 24.7–1.1 64.78N 168.26E 10 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=51.5km s-min=22.7km az=167.0.
NERS Event type se.
MOS Error ellipse: s-maj=34.0km s-min=17.2km az=81.9.
NERS VI 13 05 30 03.5 64.14N 145.15E 7 4.2s
¶14341966
NERS Event type se.

(673) Bering Strait.

ISC VI 20 11 15 49.5–.77 63.49N–.06 166.70W–.05 10 3.7b 41 2-55
NEIC VI 20 11 15 45.8 63.31N 166.84W 10 4.3L **¶13681713**
ISCJB VI 20 11 15 47.4–.54 63.51N–.05 166.37W–.07 10 3.6b
IDC VI 20 11 15 49.2–1.0 63.37N 166.82W 0 4.1L,3.9
ISC Event type fe.
NEIC Event type fe. Felt at Emmonak and Nome, Alaska. After AEIC.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=3.9km az=19.1.
IDC Error ellipse: s-maj=24.7km s-min=12.0km az=15.0.

(676) Northern Alaska.

ISC II 19 02 49 40.3–.65 65.18N–.04 145.17W–.03 10 65 0-62
ISCJB II 19 02 49 39.3–.41 65.25N–.04 145.13W–.06 10 3.4b **¶11687968**
IDC II 19 02 49 41.7–1.6 65.10N 145.28W 12–14 3.7,3.4
NEIC II 19 02 49 41.8 65.16N 145.25W 20 3.5L,3.4
PGC II 19 02 49 49.3–61 65.33N 143.88W 10 3.7L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=171.5.
IDC Error ellipse: s-maj=10.3km s-min=9.0km az=4.0.
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0. 187km east of Fairbanks, Ak Alaska.
ISC II 19 13 39 49.3–1.4 69.62N–.09 146.25W–.07 10 19 2-59
NEIC II 19 13 39 46.8 69.90N 145.92W 9 3.0L **¶12701251**
ISCJB II 19 13 39 47.5–1.2 69.74N–.09 146.4W–.20 10 3.3b
IDC II 19 13 39 49.0–1.6 69.68N 146.91W 0 3.5,3.3
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=8.3km az=153.6.
IDC Error ellipse: s-maj=27.4km s-min=19.1km az=74.0.
NEIC II 21 02 59 16.8 67.99N 146.37W 25 3.5L
¶14189743
NEIC Event type se. After AEIC.
ISC II 21 05 32 53.1–.00 69.11N–.08 144.61W–.06 10 26 3-50
ISCJB II 21 05 32 52.1–.76 69.09N–.05 144.4W–.20 10 4.1b **¶12701403**
NEIC II 21 05 32 53.7 69.03N 144.67W 6 2.9L
IDC II 21 05 32 53.1–1.8 69.20N 144.58W 0 4.0b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.7km az=44.4.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=23.6km s-min=20.0km az=157.0.
ISC III 12 05 37 03.8–1.8 65.56N–.04 144.31W–.03 7–14 45 1-7
PGC III 12 05 37 04.0–4.8 65.50N 144.37W 1 3.3L **¶11813816**
NEIC III 12 05 37 04.2 65.54N 144.28W 8 3.1L
ISC Event type ke.
PGC Event type ke. 172km east of Fairbanks, Ak Alaska.
NEIC Event type se. After AEIC.
ISC III 17 07 33 04.7–.47 65.59N–.04 149.83W–.03 14–2 4.1b 271 1-72
BJI III 17 07 33 01.1 65.30N 150.19W 14 4.9b,4.5s **¶11938398**
NEIC III 17 07 33 03.6 65.59N 149.92W 14 4.0L,4.5s
IDC III 17 07 33 05.7–.66 65.69N 149.26W 0 4.1,4.0b
ISC Event type fe.
NEIC Event type fe. Felt [II] at Fairbanks, Fort Wainwright and North Pole. Also felt at Nenana and Pump Station No. 7. After AEIC.
IDC Error ellipse: s-maj=14.7km s-min=7.9km az=49.0.
NEIC III 22 17 22 14.7 69.80N 143.34W 4 2.7L
PGC III 22 17 22 25.7–24 69.25N 141.35W 5 2.6L **¶12083375**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=5.6km s-min=0.8km az=-1.0. 291km east of Prudhoe Bay, Ak Alaska.
ISC III 29 00 49 59.6–.96 66.44N–.06 157.31W–.05 10 3.3b 34 2-58
ISCJB III 29 00 49 58.0–.52 66.45N–.04 157.48W–.08 10 3.4b **¶12635825**
NEIC III 29 00 49 59.6 66.38N 157.54W 14 3.5L
IDC III 29 00 50 00.6–1.1 66.77N 157.56W 0 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=2.7.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=28.6km s-min=15.5km az=36.0.
IDC V 18 09 39 41.9–4.5 68.55N 160.57W 0 4.3b,3.5
¶16155866
IDC Error ellipse: s-maj=63.8km s-min=36.4km az=47.0.
ISC VI 02 08 53 02.9–1.1 66.50N–.08 157.57W–.05 10 33 2-25
ISCJB VI 02 08 53 01.4–.64 66.46N–.06 157.56W–.09 10 3.5b **¶12873325**

IDC VI 02 08 53 03.9–1.9 66.79N 157.75W 0 3.7b,3.6
NEIC VI 02 08 53 04.0 66.44N 157.61W 23 3.3L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.3km az=173.2.
IDC Error ellipse: s-maj=30.7km s-min=19.1km az=177.0.
NEIC Event type se. After AEIC.
ISC VI 04 02 44 39.4–1.8 66.37N–.06 157.41W–.04 14–11 4.2b,3.3s 100 2-72
BJI VI 04 02 44 37.6 66.40N 157.30W 35 5.0s,5.0b **¶13077426**
NEIC VI 04 02 44 38.1 66.40N 157.57W 29 4.3b,4.3W
IDC VI 04 02 44 39.1–.69 66.63N 157.41W 0 4.1,3.9
ISC Event type se.
NEIC Event type se. After AEIC. Moment Tensor Solution. $M_0$3.40000×10^{15}
IDC Error ellipse: s-maj=24.5km s-min=11.6km az=41.0.
NEIC VI 15 03 50 48.3 65.56N 143.02W 13 3.0L
PGC VI 15 03 50 49.9–10 65.51N 143.04W 10 3.3L **¶13077665**
NEIC Event type se. After AEIC.
PGC Event type ke. 230km east of Fairbanks, Ak Alaska.
ISC VI 30 18 52 10.7–.61 66.02N–.03 151.70W–.03 14–3 3.9b 103 1-71
BJI VI 30 18 52 08.2 66.00N 151.80W 15 4.8b,4.7b **¶13316782**
ISCJB VI 30 18 52 10.0–.86 65.98N–.03 151.84W–.07 20–8 4.2s,4.0b
NEIC VI 30 18 52 10.2 66.00N 151.81W 15 4.0L,3.8W
IDC VI 30 18 52 11.6–.85 66.21N 151.19W 0 3.9,3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.4km az=26.5.
NEIC Event type fe. Felt at Fairbanks. After AEIC. Moment Tensor Solution. $M_0$6.50000×10^{14}
IDC Error ellipse: s-maj=23.3km s-min=10.1km az=48.0.

(677) Northern Yukon Territory.

ISC III 01 10 13 04.3–.48 66.68N–.04 135.43W–.04 26 4.0b 100 2-76
BJI III 01 10 12 59.8 66.99N 135.19W 15 5.0b,4.6b **¶11882865**
ISCJB III 01 10 13 01.5–.36 66.62N–.04 135.64W–.07 26 4.0b,4.6b
IDC III 01 10 13 02.0–.81 66.63N 135.82W 0 4.1,4.0L
PGC III 01 10 13 03.7–.02 66.63N 135.74W 15 4.2L,4.0W
NEIC III 01 10 13 03.7 66.63N 135.74W 15 4.3b,4.0W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=157.5.
IDC Error ellipse: s-maj=15.1km s-min=8.9km az=102.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=-1.0. 106km Wsw of Fort McPherson, Nt Northern Yukon Territory, Canada.
NEIC Event type se. After PGC. Moment Tensor Solution. $M_0$1.10000×10^{15}
ISC III 09 15 25 26.7–.90 66.08N–.05 134.86W–.06 6 22 2-74
ISCJB III 09 15 25 24.0–.73 65.88N–.04 134.8W–.10 6 3.6b **¶11788851**
IDC III 09 15 25 26.9–.93 66.09N 135.33W 0 4.0b,3.7
PGC III 09 15 25 29.1–.02 66.15N 135.35W 20 3.6L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.6km az=43.3.
IDC Error ellipse: s-maj=12.3km s-min=9.3km az=179.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=-1.0. 148km southwest of Fort McPherson, Nt Northern Yukon Territory, Canada.
ISC V 28 13 57 31.2–.80 66.20N–.04 134.91W–.04 16–5 4.0b 109 2-79
BJI V 28 13 57 28.4 66.30N 135.10W 10 4.7b,4.7b **¶12868600**
IDC V 28 13 57 30.4–.58 66.33N 135.33W 0 4.1,4.0
NEIC V 28 13 57 32.0 66.30N 135.11W 20 4.3L,4.0b
PGC V 28 13 57 32.5–2.8 66.30N 135.12W 20 4.3L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=11.1km s-min=8.5km az=89.0.
NEIC Event type se. After PGC. Moment Tensor Solution. $M_0$8.00000×10^{14}
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=-1.0. 130km Ssw of Fort McPherson, Nt Northern Yukon Territory, Canada.

(678) Queen Elizabeth Islands.

ISC II 08 04 00 43.7–.72 79.77N–.06 108.33W–.07 10 3.4b 31 4-81
ISCJB II 08 04 00 42.4–.63 79.67N–.05 108.4W–.30 10 3.4b **¶11670411**
IDC II 08 04 00 42.8–.88 79.98N 108.77W 0 3.6,3.6L
OTT II 08 04 00 46.8–1.1 79.78N 107.96W 18 3.8L,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.9km az=168.1.
IDC Error ellipse: s-maj=24.0km s-min=18.3km az=90.0.
OTT Event type ke. Error ellipse: s-maj=6.7km s-min=8.7km az=-1.0. 150km northwest from Isachsen, Nu Gustaf-Lougheed Arch Seismic Zone.
ISC II 13 03 22 57.2–.87 74.71N–.07 97.72W–.05 10 38 1-23
OTT II 13 03 22 59.4–.42 74.92N 97.41W 18 3.9 **¶11678015**
IDC II 13 03 22 59.5–1.8 74.67N 97.38W 0 3.9,3.8L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=-1.0. 60km south from Polaris, Nu Boothia Ungava Seismic Zone.
IDC Error ellipse: s-maj=35.8km s-min=9.8km az=169.0.
OTT V 09 01 11 34.5–.38 78.03N 107.52W 18 3.7L
¶12818692
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0. 124km southwest from Isachsen, Nu Gustaf-Lougheed Arch Seismic Zone.
OTT V 19 18 34 07.3–1.6 81.25N 92.26W 18 3.8L
¶12847717
OTT Event type ke. Error ellipse: s-maj=11.1km s-min=6.8km az=-1.0. 182km northwest from Eureka, Nu.

(679) Northwest Territories.

OTT IV 05 13 19 47.3–.14 64.42N 91.14W 18 3.5
¶13437977
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0. 122km northeast from Chesterfield Inlet, Nu Boothia Ungava Seismic Zone.
ISC IV 13 01 06 22.4–.74 62.16N–.05 124.23W–.04 5 3.3b 33 3-68
ISCJB IV 13 01 06 21.6–.45 62.15N–.04 124.06W–.07 5 3.1b **¶12935229**
PGC IV 13 01 06 24.6–.02 62.10N 124.10W 5 3.8L
IDC IV 13 01 06 28.1–1.6 62.07N 124.11W 29–15 3.6,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.2km az=154.5.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 153km west of Fort Simpson, Nt Northwest Territories, Canada.
IDC Error ellipse: s-maj=12.6km s-min=7.6km az=165.0.

(680) Western Kalaallit Nunaat.

OTT II 13 01 03 05.5–.76 76.05N 63.88W 18 3.0L
¶12083178
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=5.4km az=-1.0. Nw coast of Greenland. 430km southeast from Alexandra Fiord, Nu Eastern Arctic Background Seismic Zone.
ISC II 13 01 13 23.8–.55 64.19N–.07 40.21W–.05 10 3.9b,3.1s 61 5-78
IDC II 13 01 13 21.5–.82 64.04N 40.32W 0 4.0,3.8 **¶11682814**
OTT II 13 01 13 24.6–3.1 64.33N 39.67W 18 4.9,3.8
NEIC II 13 01 13 24.4–.65 64.25N 40.12W 10 3.9b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=14.8km az=178.0.
OTT Event type ke. Error ellipse: s-maj=81.2km s-min=53.5km az=-1.0. Offshore eastern Greenland. 1158km east from Qikiqtarjuaq, Nu.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.3km az=173.0.
ISC II 17 17 41 49.6–.48 64.13N–.07 40.42W–.04 10 4.1b,3.0s 93 5-148
ISCJB II 17 17 41 48.0–.38 64.24N–.06 40.12W–.07 10 4.1b,3.0s **¶13434780**
IDC II 17 17 41 48.5–.76 64.17N 40.27W 0 4.3L,4.1
NEIC II 17 17 41 49.9–.41 64.24N 40.06W 10 4.3b,4.1
OTT II 17 17 41 50.8–1.0 64.30N 39.85W 18 4.3b,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.5km az=2.5.
IDC Error ellipse: s-maj=23.5km s-min=13.2km az=1.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.0km az=172.0.
OTT Event type ke. Error ellipse: s-maj=4.4km s-min=8.7km az=-1.0. Offshore eastern Greenland.
ISC III 14 03 24 08.9–.70 64.12N–.09 40.26W–.06 10 3.5b 24 5-154
ISCJB III 14 03 24 07.7–.65 64.29N–.09 40.1W–.10 10 3.5b,3.0s **¶12025651**
IDC III 14 03 24 07.7–.83 64.10N 40.10W 0 3.7,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=7.6km az=2.5.
IDC Error ellipse: s-maj=24.2km s-min=15.8km az=0.0.

ISC IV 28 14 05 32.4–.72 64.1N–.10 40.18W–.06 10 3.8b,3.1s 22 5-139
ISCJB IV 28 14 05 30.6–.62 64.23N–.08 40.1W–.10 10 3.8b,3.0s **¶16154590**
IDC IV 28 14 05 31.0–.83 63.99N 40.04W 0 4.0,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=7.1km az=1.9.
IDC Error ellipse: s-maj=25.0km s-min=14.4km az=5.0.

(681) Baffin Bay.

OTT II 16 11 45 05.9–.59 73.31N 71.36W 18 3.9L
¶11678040
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=4.5km az=-1.0. Baffin Bay Seismic Zone. 230km east from Pond Inlet, Nu.
OTT IV 22 10 38 21.5–.21 71.44N 65.18W 18 3.6L
¶12645047
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. Baffin Bay Seismic Zone. 165km northeast from Clyde River, Nu.
OTT V 07 11 25 50.2–.27 74.22N 78.78W 18 3.6
¶12818782
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0. 115km east from Dundas Harbour, Nu Eastern Arctic Background Seismic Zone.
ISC VI 19 13 26 42.7–1.8 73.12N–.08 72.3W–.20 10 3.4b 24 4-47
OTT VI 19 13 26 40.8–.70 73.07N 71.08W 18 3.9L **¶13197435**
IDC VI 19 13 26 53.1–6.8 72.25N 75.56W 0 3.9,3.9s
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=4.9km az=-1.0. Baffin Bay Seismic Zone. 231km east from Pond Inlet, Nu.
IDC Error ellipse: s-maj=125.0km s-min=48.5km az=67.0.
OTT VI 19 16 25 55.6–.57 73.09N 71.24W 18 3.5L
¶13197449
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=4.2km az=-1.0. Baffin Bay Seismic Zone. 226km east from Pond Inlet, Nu.
OTT VI 26 10 42 19.1–.61 75.00N 68.30W 18 3.6L
¶13280069
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=6.0km az=-1.0. Baffin Bay Seismic Zone. Offshore western Greenland. 377km east from Craig Harbour, Nu.
OTT VI 28 15 39 38.1–1.7 73.00N 71.16W 18 2.6L
¶13307274
OTT Event type ke. Error ellipse: s-maj=26.7km s-min=20.8km az=-1.0. Baffin Bay Seismic Zone. 227km east from Pond Inlet, Nu.

SEISMIC REGION 43.
Southeastern and Antarctic Pacific Ocean.

(684) Southern East Pacific Rise.

ISC I 01 06 27 50.4–.33 34.85S–.09 107.73W–.09 10 5.2s,5.0b 479 8-172
IDC I 01 06 27 47.7–.63 34.93S 107.97W 0 5.0s,5.0 **¶13988928**
ISCJB I 01 06 27 49.0–.31 34.84S–.05 107.70W–.07 10 5.2s,4.9b
MOS I 01 06 27 50.2–1.9 34.77S 107.59W 10 5.1s,5.1b
NEIC I 01 06 27 51.2–.35 34.84S 107.65W 10 5.8W,5.7W
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=19.6km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=7.0km az=144.6.
MOS Error ellipse: s-maj=20.8km s-min=11.6km az=87.7.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.1km az=66.0. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}0.22 $M_{\theta\theta}$-1.96 $M_{\phi\phi}$1.74 $M_{r\theta}$0.41 $M_{\theta\phi}$-4.33 $M_{\phi r}$-0.22 Best double couple: NP1:ϕ_s192.00000°,δ85.00000°,λ2.00000°. NP2:ϕ_s101.00000° ,δ88.00000°,λ175.00000°. Principal axes: T 4.6400,Plg5.0000°,Azm56.0000° ; N 0.1900,Plg84.0000°,Azm262.0000°; P -4.8300,Plg2.0000°,Azm146.0000° $M_0$4.70000×10^{17}
ISC I 01 12 42 05.1–.69 34.9S–.10 108.0W–.10 10 4.2s,4.2b 32 8-166
IDC I 01 12 42 04.3–.81 34.88S 107.89W 0 4.3,4.2 **¶11625142**
ISCJB I 01 12 42 04.1–.98 34.8S–.10 107.8W–.20 10 4.2b,4.2s
NEIC I 01 12 42 05.7–.64 34.88S 107.78W 10 4.8b,4.2s
ISC Event type ke.
IDC Error ellipse: s-maj=24.2km s-min=23.3km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=24.9km s-min=14.1km az=151.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=13.2km az=56.0.
ISC I 02 08 31 38.3–.65 34.8S–.10 107.3W–.10 10 4.4s,4.3b 33 8-152
IDC I 02 08 31 36.6–.75 34.70S 107.31W 0 4.4,4.3s **¶11625144**
ISCJB I 02 08 31 36.9–.53 34.86S–.10 107.3W–.10 10 4.3s,4.2b
NEIC I 02 08 31 38.6–.50 34.80S 107.33W 10 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=22.5km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=13.1km az=38.4.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=13.7km az=155.0.
ISC I 03 12 00 09.6–.70 35.0S–.10 107.6W–.10 10 4.2b,4.1s 29 27-152
IDC I 03 12 00 08.3–.70 35.06S 107.63W 0 4.4,4.2 **¶11625149**
ISCJB I 03 12 00 08.3–.92 35.0S–.10 107.5W–.20 10 4.2b,3.9s
NEIC I 03 12 00 09.9–.61 35.01S 107.53W 10 4.0b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=19.2km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=17.0km az=159.6.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=15.5km az=64.0.
IDC I 08 09 37 53.7–2.3 34.81S 105.02W 0 4.3,4.0
¶11659095
IDC Error ellipse: s-maj=71.8km s-min=31.7km az=19.0.
ISC II 01 15 18 05.8–.80 35.0S–.20 111.4W–.30 10 4.4s,4.4b 26 8-150
IDC II 01 15 18 04.5–.98 34.96S 111.30W 0 4.3s,4.3 **¶11713963**
ISCJB II 01 15 18 05.2–.86 35.0S–.20 111.3W–.30 10 4.3s,4.2b
NEIC II 01 15 18 05.6–.65 34.97S 111.45W 10 4.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=91.8km s-min=26.7km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=36.1km s-min=21.3km az=170.8.
NEIC Event type se. Error ellipse: s-maj=29.1km s-min=20.2km az=93.0.
IDC II 01 15 21 17.3–.99 35.14S 111.21W 0 4.3,4.0
¶15954832
IDC Error ellipse: s-maj=47.5km s-min=29.5km az=71.0.
ISC II 06 06 09 41.8–.81 35.1S–.10 107.6W–.10 10 4.3b,3.9s 30 8-152
IDC II 06 06 09 38.6–1.1 35.34S 107.67W 0 4.2,4.0 **¶12699647**
ISCJB II 06 06 09 40.9–.93 35.0S–.10 107.4W–.20 10 4.2b,3.7s
NEIC II 06 06 09 40.2–.85 35.36S 107.72W 10 4.5b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=24.3km az=29.0.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=16.8km az=136.6.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=15.1km az=21.0.
IDC II 07 07 28 34.7–6.6 34.93S 105.42W 0 4.0,3.8
¶15955174
IDC Error ellipse: s-maj=324.1km s-min=67.8km az=58.0.
IDC III 20 00 55 09.5–.79 55.69S 123.35W 0 4.3s,4.3
¶12703759
IDC Error ellipse: s-maj=45.1km s-min=23.1km az=156.0.
ISC III 21 11 37 09.0–1.3 55.0S–.20 126.0W–.20 10 3.8b 8 35-147
ISCJB III 21 11 37 07.3–1.3 55.0S–.20 125.8W–.30 10 3.7b **¶12635179**
IDC III 21 11 37 07.9–1.3 55.03S 126.01W 0 4.0,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.9km s-min=26.5km az=19.1.
IDC Error ellipse: s-maj=50.6km s-min=33.2km az=165.0.
IDC III 23 20 28 48.6–4.3 54.39S 119.79W 0 4.3,4.1
¶12635417
IDC Error ellipse: s-maj=133.1km s-min=51.3km az=61.0.
IDC III 24 21 39 38.6–.87 35.20S 106.64W 0 4.2,4.0
¶12635492
IDC Error ellipse: s-maj=31.3km s-min=27.0km az=77.0.
IDC IV 03 04 07 06.8–5.4 35.39S 106.83W 0 4.0,3.7
¶16152302
IDC Error ellipse: s-maj=271.3km s-min=65.2km az=61.0.
IDC IV 13 06 22 50.8–4.1 56.02S 126.89W 0 4.0,3.8
¶12840190
IDC Error ellipse: s-maj=122.3km s-min=45.0km az=60.0.
IDC IV 16 18 47 26.6–.99 48.66S 116.71W 0 4.3s,4.3
¶16152854

IDC Error ellipse: s-maj=44.5km s-min=25.5km az=130.0.
ISC IV 21 07 24 48.8–.60 53.0S–.20 118.1W–.10 10 4.1b 37 34-166
ISCJB IV 21 07 24 47.2–.61 53.0S–.20 118.0W–.20 10 4.0b,4.0s **¶12935890**
IDC IV 21 07 24 47.2–.60 52.99S 118.10W 0 4.3,4.1
NEIC IV 21 07 24 48.8–.41 52.98S 118.08W 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.3km s-min=13.4km az=156.5.
IDC Error ellipse: s-maj=35.8km s-min=16.1km az=161.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=11.0km az=161.0.
IDC IV 26 08 40 56.7–3.9 35.01S 111.24W 0 4.4,3.9b
¶12842955

IDC Error ellipse: s-maj=216.5km s-min=49.1km az=112.0.
ISC V 07 22 28 52.5–.44 55.6S–.10 124.63W–.09 10 4.8s,4.4b 63 30-163
IDC V 07 22 28 51.0–.62 55.66S 124.64W 0 4.7s,4.7 **¶13439396**
ISCJB V 07 22 28 51.0–.51 55.7S–.10 124.5W–.20 10 4.7s,4.3b
NEIC V 07 22 28 52.6–.39 55.71S 124.58W 10 4.7b,4.3b
GCMT V 07 22 28 57.7–.10 55.62S 124.84W 22–0 5.5W,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=16.8km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=12.0km az=156.3.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=12.0km az=153.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s85,c161; s99,c176; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.24±.03 $M_{\theta\theta}$1.49±.04; $M_{\phi\phi}$-1.25±.03; $M_{r\theta}$0.10±.05; $M_{\theta\phi}$1.96±.03; $M_{\phi r}$0.11±.05; Best double couple: NP1: ϕ_s108.00000°,δ87.00000°,λ1.00000°. NP2:ϕ_s17.00000°,δ89.00000°,λ177.00000°. Principal axes: T 2.5200,Plg3.0000°,Azm332.0000°; N -0.2500,Plg87.0000°,Azm178.0000°; P -2.2700,Plg1.0000°,Azm63.0000° $M_0$2.40000×10^{17}
IDC V 08 15 31 33.5–3.9 56.28S 125.19W 0 4.0s,4.0
¶13439421

IDC Error ellipse: s-maj=123.8km s-min=51.9km az=58.0.
ISC V 10 05 12 56.9–.76 24.6S–.20 115.5W–.20 10 4.3b,3.8s 33 18-154
IDC V 10 05 12 55.7–1.2 24.42S 115.59W 0 4.2,3.9 **¶12952789**
ISCJB V 10 05 12 55.2–.70 24.6S–.10 115.5W–.20 10 4.2b,3.8s
NEIC V 10 05 12 57.0–.44 24.59S 115.52W 10 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=37.5km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=23.3km s-min=16.1km az=160.6.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=11.8km az=73.0.
IDC V 10 21 37 21.8–1.3 34.37S 107.93W 0 4.1,3.9
¶16155611

IDC Error ellipse: s-maj=53.5km s-min=33.3km az=28.0.
ISC V 29 15 26 25.5–.21 43.64S–.07 107.38W–.06 10 5.5b,5.2s 730 27-179
MOS V 29 15 26 24.9–1.1 43.62S 107.48W 10 5.6b,5.1s **¶12868652**
ISCJB V 29 15 26 24.4–.23 43.72S–.05 107.18W–.08 10 5.4b,5.1s
IDC V 29 15 26 24.3–.39 43.68S 107.50W 0 5.1,5.1
NEIC V 29 15 26 25.4–.15 43.79S 107.18W 10 5.6b,5.1
GCMT V 29 15 26 27.7–.10 43.78S 107.45W 12 5.4W,5.1
BJI V 29 15 26 28.5 43.10S 107.30W 23 5.5b,5.4s
ISC Event type se.
MOS Error ellipse: s-maj=17.0km s-min=8.8km az=79.4.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.8km az=13.5.
IDC Error ellipse: s-maj=16.1km s-min=13.2km az=136.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.5km az=105.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 97, comp=185, per= 50. Moment Tensor Solution. s88,c151; s44,c45; Moment tensor: Scale 10^{17}Nm; M_{rr}1.43±.02 $M_{\theta\theta}$-0.02±.02; $M_{\phi\phi}$-1.40±.02; $M_{r\theta}$-0.26±.05; $M_{\theta\phi}$0.11±.02; $M_{\phi r}$0.99±.05; Best double couple: NP1:ϕ_s181.00000°,δ27.00000°,λ100.00000°. NP2:ϕ_s349.00000°,δ63.00000°,λ85.00000°. Principal axes: T 1.7700,Plg72.0000°,Azm247.0000°; N -0.0300,Plg5.0000°,Azm352.0000°; P -1.7400,Plg18.0000°,Azm83.0000° $M_0$1.80000×10^{17}
IDC VI 08 04 25 35.4–.82 52.78S 117.88W 0 3.9,3.8
¶16101087

IDC Error ellipse: s-maj=35.0km s-min=21.4km az=155.0.
ISC VI 08 09 38 50.1–.78 53.3S–.10 117.0W–.20 10 4.3s,3.9b 21 28-166
ISCJB VI 08 09 38 48.0–1.2 53.3S–.20 117.1W–.40 10 4.2s,3.9b **¶13680890**
IDC VI 08 09 38 48.8–.86 53.28S 117.13W 0 4.2s,4.2
NEIC VI 08 09 38 50.1–.61 53.38S 116.87W 10 4.5b,4.2
GCMT VI 08 09 38 57.8–.20 53.18S 117.97W 15–1 5.1W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=41.2km s-min=17.3km az=26.2.
IDC Error ellipse: s-maj=32.1km s-min=22.1km az=117.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=15.3km az=119.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c78; s87,c146; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.57±.15 $M_{\theta\theta}$-3.11±.15; $M_{\phi\phi}$3.68±.14; $M_{r\theta}$-0.88±.43; $M_{\theta\phi}$-4.60±.13; $M_{\phi r}$-1.02±.41; Best double couple: NP1:ϕ_s109.00000°,δ77.00000°,λ-173.00000°. NP2:ϕ_s17.00000°,δ84.00000°,λ-13.00000°. Principal axes: T 6.0400,Plg5.0000°,Azm64.0000°; N -0.3000,Plg76.0000°,Azm172.0000°; P -5.7400,Plg14.0000°,Azm333.0000° $M_0$5.90000×10^{16}
ISC VI 08 11 01 40.5–.37 34.88S–.09 108.14W–.08 10 4.7b,4.2s 112 30-166
IDC VI 08 11 01 38.6–.58 34.88S 108.30W 0 4.6,4.5 **¶12948643**
ISCJB VI 08 11 01 39.5–.39 34.94S–.07 108.06W–.09 10 4.6b,4.2s
NEIC VI 08 11 01 40.9–.38 34.95S 108.12W 10 4.8b,4.2s
BJI VI 08 11 01 41.2 34.80S 107.90W 10 5.1s,5.0b
GCMT VI 08 11 01 44.0–.20 35.04S 108.15W 16–1 5.0W,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=16.0km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=8.6km az=145.7.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.1km az=55.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s45,c49; s82,c128; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.05±.13 $M_{\theta\theta}$-0.52±.12; $M_{\phi\phi}$1.57±.11; $M_{r\theta}$-0.59±.32; $M_{\theta\phi}$-3.44±.09; $M_{\phi r}$-1.70±.34; Best double couple: NP1:ϕ_s101.00000°,δ61.00000°,λ-167.00000°. NP2:ϕ_s5.00000°,δ78.00000°,λ-29.00000°. Principal axes: T 4.3200,Plg11.0000°,Azm56.0000°; N -0.4400,Plg59.0000°,Azm165.0000°; P -3.8800,Plg29.0000°,Azm319.0000° $M_0$4.10000×10^{16}
IDC VI 09 01 56 30.7–3.0 35.44S 111.49W 0 4.2,3.8
¶16101124

IDC Error ellipse: s-maj=105.6km s-min=45.3km az=32.0.
ISC VI 09 22 42 39.3–.24 55.11S–.08 126.53W–.06 10 5.2b,5.2s 446 31-172
IDC VI 09 22 42 36.9–.38 55.18S 126.90W 0 5.2s,5.2 **¶13440015**
ISCJB VI 09 22 42 37.2–.30 55.16S–.06 126.8W–.10 10 5.2b,5.1s
MOS VI 09 22 42 38.4–1.3 55.13S 126.84W 10 5.2b,5.1s
NEIC VI 09 22 42 39.0–.20 55.06S 126.66W 10 5.6W,5.6W
BJI VI 09 22 42 39.2 55.00S 126.50W 10 5.5s,5.5b
GCMT VI 09 22 42 43.1–.10 55.22S 126.86W 17–0 5.6W,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=13.7km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=8.1km az=39.9.
MOS Error ellipse: s-maj=23.2km s-min=12.6km az=75.9.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.5km az=124.0. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54 $M_{\theta\theta}$2.28 $M_{\phi\phi}$-1.75 $M_{r\theta}$0.31 $M_{\theta\phi}$2.18 $M_{\phi r}$0.40 Best double couple: NP1:ϕ_s21.00000°,δ90.00000°,λ171.00000°. NP2:ϕ_s111.00000°,δ81.00000°,λ0.00000°. Principal axes: T 3.2900,Plg6.0000°,Azm336.0000°; N -0.5600,Plg80.0000°,Azm200.0000°; P -2.7300,Plg6.0000°,Azm66.0000° $M_0$3.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=208, per= 50. Moment Tensor Solution. s94,c171; s60,c68; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49±.03 $M_{\theta\theta}$2.09±.04; $M_{\phi\phi}$-1.60±.03; $M_{r\theta}$-0.36±.09; $M_{\theta\phi}$2.56±.03; $M_{\phi r}$-0.02±.08; Best double couple: NP1:ϕ_s198.00000°,δ84.00000°,λ179.00000°. NP2:ϕ_s288.00000°,δ89.00000°,λ6.00000°. Principal axes: T 3.4300,Plg5.0000°,Azm153.0000°; N -0.5100,Plg84.0000°,Azm297.0000°; P -2.9200,Plg3.0000°,Azm63.0000° $M_0$3.20000×10^{17}
ISC VI 10 05 02 05.0–.65 55.0S–.10 126.8W–.20 10 4.4b,4.3s 27 32-162
ISCJB VI 10 05 02 03.5–.56 55.1S–.10 126.8W–.30 10 4.3s,4.3b **¶13681094**
IDC VI 10 05 02 03.5–.77 54.99S 126.84W 0 4.3s,4.3
NEIC VI 10 05 02 05.0–.42 55.05S 126.86W 10 4.8b,4.3
GCMT VI 10 05 02 16.0–.30 55.19S 126.96W 16–1 4.9W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=15.0km az=35.4.
IDC Error ellipse: s-maj=35.0km s-min=20.7km az=145.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=12.7km az=128.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s26,c34; s71,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.12 $M_{\theta\theta}$2.20±.13; $M_{\phi\phi}$-2.28±.13; $M_{r\theta}$0.40±.32; $M_{\theta\phi}$2.04±.09; $M_{\phi r}$0.34±.30; Best double couple: NP1:ϕ_s114.00000°,δ81.00000°,λ4.00000°. NP2:ϕ_s23.00000°,δ86.00000°,λ171.00000°. Principal axes: T 3.0700,Plg9.0000°,Azm339.0000°; N 0.0100,Plg80.0000°,Azm178.0000°; P -3.0800,Plg3.0000°,Azm69.0000° $M_0$3.10000×10^{16}

(685) Easter Island region.

ISC I 03 11 45 19.2–.86 23.0S–.20 114.6W–.20 10 4.1b 23 19-153
IDC I 03 11 45 17.8–1.2 23.03S 114.57W 0 4.1,3.9 **¶11625148**
ISCJB I 03 11 45 17.6–1.1 23.0S–.20 114.7W–.30 10 4.0b,3.7s
NEIC I 03 11 45 19.1–.52 23.05S 114.55W 10 4.5b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=44.9km s-min=39.0km az=38.0.
ISCJB Event type ke. Error ellipse: s-maj=40.0km s-min=22.1km az=171.6.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=16.8km az=90.0.
ISC I 26 14 34 18.6–.74 23.1S–.20 114.9W–.20 10 4.2b,4.2s 176 6-154
IDC I 26 14 34 18.4–1.2 22.78S 114.55W 0 4.2s,4.2 **¶11713942**
NEIC I 26 14 34 19.3–.55 22.97S 114.47W 10 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=35.8km az=45.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=13.4km az=72.0.
ISC II 08 06 34 30.8–.30 29.84S–.07 111.91W–.06 10 5.0b,4.8s 503 4-168
ISCJB II 08 06 34 29.4–.38 29.75S–.06 111.94W–.07 10 4.9s,4.8b **¶11667425**
IDC II 08 06 34 29.2–.55 29.77S 112.02W 0 4.7,4.7s
NEIC II 08 06 34 31.0–.24 29.78S 111.94W 10 5.0b,4.7s
MOS II 08 06 34 30.0–.93 29.64S 111.80W 10 5.1b,4.7s
BJI II 08 06 34 32.8 29.60S 111.90W 10 5.5s,5.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=8.9km az=140.3.
IDC Error ellipse: s-maj=19.1km s-min=17.4km az=80.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.5km az=88.0.
MOS Error ellipse: s-maj=19.6km s-min=8.7km az=80.7.
IDC II 08 06 41 19.8–3.2 30.08S 111.48W 0 4.0,3.8
¶15955210

IDC Error ellipse: s-maj=197.1km s-min=47.6km az=112.0.
IDC II 12 07 18 41.9–1.0 23.38S 114.44W 0 4.3,4.2s
¶11754783

IDC Error ellipse: s-maj=57.0km s-min=31.0km az=61.0.
IDC II 21 17 30 46.5–1.1 24.06S 111.71W 0 4.1,3.9
¶15956889

IDC Error ellipse: s-maj=43.2km s-min=35.3km az=9.0.
ISC III 17 09 08 13.5–.70 26.6S–.10 114.5W–.30 14 4.6b,4.1s 349 19-154
ISCJB III 17 09 08 11.9–.75 26.7S–.10 114.0W–.20 14 4.5b,4.1s **¶12599162**
IDC III 17 09 08 11.3–.78 26.60S 114.52W 0 4.6,4.3
NEIC III 17 09 08 12.7–.40 26.70S 114.58W 10 4.6b,4.3
GCMT III 17 09 08 15.8–.30 26.90S 114.38W 14–1 4.9W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.6km s-min=16.8km az=10.7.
IDC Error ellipse: s-maj=46.3km s-min=22.5km az=82.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=10.2km az=82.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s33,c37; s69,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.52±.17 $M_{\theta\theta}$0.90±.12; $M_{\phi\phi}$1.61±.12; $M_{r\theta}$0.22±.30; $M_{\theta\phi}$-1.67±.08; $M_{\phi r}$-0.28±.30; Best double couple: NP1:ϕ_s141.00000°,δ41.00000°,λ-90.00000°. NP2:ϕ_s321.00000°,δ49.00000°,λ-90.00000°. Principal axes: T 2.9900,Plg4.0000°,Azm51.0000°; N -0.4500,Plg0.0000°,Azm141.0000°; P -2.5400,Plg86.0000°,Azm233.0000° $M_0$2.80000×10^{16}
ISC III 31 16 25 57.2–.45 22.19S–.10 114.1W–.10 10 4.6b,4.3s 338 37-161
ISCJB III 31 16 25 55.2–.59 22.18S–.09 114.0W–.10 10 4.5b,3.8s **¶12084384**
IDC III 31 16 25 56.1–.75 21.99S 114.22W 0 4.5,4.3
NEIC III 31 16 25 57.4–.50 22.08S 114.13W 10 4.8b,4.3
BJI III 31 16 25 58.9 22.20S 114.10W 10 5.3b,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=12.5km az=178.8.
IDC Error ellipse: s-maj=26.4km s-min=22.9km az=95.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=13.8km az=84.0.
ISC IV 17 19 31 39.6–1.0 31.6S–.20 111.8W–.30 10 3.9s 8 34-155
ISCJB IV 17 19 31 37.9–1.3 31.7S–.20 111.9W–.40 10 3.7s,3.6b **¶16152945**
IDC IV 17 19 31 37.9–1.7 31.62S 111.85W 0 4.0,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=45.4km s-min=25.5km az=178.9.
IDC Error ellipse: s-maj=69.9km s-min=43.3km az=3.0.
IDC IV 22 16 07 19.7–1.5 23.01S 114.60W 0 3.9,3.8
¶16153268

IDC Error ellipse: s-maj=50.7km s-min=30.0km az=34.0.
ISC VI 09 19 43 03.3–.55 23.1S–.10 113.4W–.20 10 4.5b,3.9s 57 34-153
ISCJB VI 09 19 43 01.3–.48 23.03S–.08 113.4W–.10 10 4.3b,3.9s **¶13681072**
IDC VI 09 19 43 02.1–.75 22.99S 113.44W 0 4.3,4.2
NEIC VI 09 19 43 03.3–.31 23.03S 113.36W 10 4.7b,4.2
GCMT VI 09 19 43 06.8–.40 23.25S 113.35W 26–1 4.9W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=9.7km az=158.6.
IDC Error ellipse: s-maj=30.0km s-min=18.5km az=64.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.8km az=69.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s23,c25; s62,c82; Moment tensor: Scale 10^{16}Nm; M_{rr}0.46±.16 $M_{\theta\theta}$-1.04±.14; $M_{\phi\phi}$0.59±.15; $M_{r\theta}$-0.26±.23; $M_{\theta\phi}$2.78±.10; $M_{\phi r}$-0.20±.26; Best double couple: NP1:ϕ_s172.00000°,δ83.00000°,λ175.00000°. NP2:ϕ_s262.00000°,δ85.00000°,λ7.00000°. Principal axes: T 2.7200,Plg8.0000°,Azm127.0000°; N 0.4100,Plg82.0000°,Azm296.0000°; P -3.1300,Plg1.0000°,Azm37.0000° $M_0$2.90000×10^{16}
IDC VI 22 09 04 55.1–1.2 22.88S 112.33W 0 4.2,4.0
¶16101602

IDC Error ellipse: s-maj=45.4km s-min=36.4km az=41.0.

(686) West Chile Rise.

ISC I 16 10 37 19.5–1.3 38.8S–.30 92.3W–.20 10 4.1b 18 18-149
IDC I 16 10 37 17.9–3.2 38.78S 92.28W 0 4.3,4.2 **¶12081428**
ISCJB I 16 10 37 18.6–1.2 38.7S–.20 92.4W–.20 10 4.2b,4.2
NEIC I 16 10 37 19.5–.76 38.75S 92.32W 10 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=93.4km s-min=50.5km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=33.1km s-min=23.1km az=178.7.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=16.4km az=173.0.
IDC I 19 21 05 43.6–1.2 41.60S 85.42W 0 4.1,3.9
¶12081800

IDC Error ellipse: s-maj=34.5km s-min=27.5km az=113.0.
ISC II 15 18 27 27.4–.81 36.4S–.20 96.7W–.10 10 4.3b,4.2s 25 21-170
ISCJB II 15 18 27 25.5–.78 36.4S–.10 96.8W–.20 10 4.2s,4.1b **¶12700823**
NEIC II 15 18 27 27.8–.80 36.37S 96.63W 10 4.6b,4.1b
IDC II 15 18 27 27.9–3.0 35.98S 96.58W 0 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=16.8km az=20.1.
NEIC Event type se. Error ellipse: s-maj=31.1km s-min=24.4km az=84.0.
IDC Error ellipse: s-maj=105.7km s-min=28.0km az=34.0.
IDC II 20 19 03 17.1–8.5 41.27S 85.40W 0 4.1,4.0
¶15956831

IDC Error ellipse: s-maj=230.1km s-min=36.5km az=171.0.
IDC II 22 15 04 36.4–13 35.10S 95.90W 0 4.2,3.9
¶15956947

IDC Error ellipse: s-maj=350.6km s-min=51.4km az=9.0.
IDC II 22 22 26 39.2–21 36.41S 96.83W 0 4.1,3.8
¶15956976

IDC Error ellipse: s-maj=645.8km s-min=309.0km az=128.0.
ISC II 23 00 19 49.2–.61 36.7S–.10 95.6W–.10 10 4.7b,3.7s 329 23-173
IDC II 23 00 19 44.8–1.7 37.20S 95.90W 0 4.6,4.5 **¶11713574**
NEIC II 23 00 19 48.8–.58 36.84S 95.69W 10 4.8b,4.5
BJI II 23 00 19 49.0 36.70S 95.50W 10 5.2s,5.0b
ISCJB II 23 00 19 50.6–1.1 36.2S–.20 95.5W–.10 10 4.6b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC II 23 03 49 13.2–.75 41.7S–.10 88.4W–.10 10 4.4s,4.3b 38 19-172
ISCJB II 23 03 49 11.8–.72 41.7S–.10 88.4W–.10 10 4.5s,4.3b **¶12701602**
IDC II 23 03 49 11.8–1.2 41.66S 88.39W 0 4.5,4.4
NEIC II 23 03 49 13.1–.51 41.65S 88.47W 10 4.6b,4.4

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=15.5km az=179.7.
IDC Error ellipse: s-maj=37.6km s-min=25.7km az=8.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.6km az=4.0.
IDC III 08 07 11 56.1–.93 37.99S 94.16W 0 4.2,4.0
¶12702694

IDC Error ellipse: s-maj=25.5km s-min=23.2km az=19.0.
ISC III 15 00 53 13.8–.55 40.3S–.10 91.8W–.10 15 4.5b 282 16-168
IDC III 15 00 53 11.4–.66 40.27S 92.00W 0 4.3,4.1 **¶12085990**
NEIC III 15 00 53 12.5–.46 40.39S 91.95W 10 4.8b,4.1
ISCJB III 15 00 53 13.4–.38 40.25S–.07 91.7W–.10 15 4.5b,4.1
GCMT III 15 00 53 15.3–.30 40.25S 91.88W 18–1 5.1W,4.1
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=18.1km az=116.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=12.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=10.0km az=156.1.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s35,c43; s75,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.10±.29 $M_{\theta\theta}$0.16±.20; $M_{\phi\phi}$4.94±.21; $M_{r\theta}$2.39±.60; $M_{\theta\phi}$-0.18±.14; $M_{\phi r}$1.02±.42; Best double couple: NP1:ϕ_s339.00000°,δ43.00000°,λ-121.00000°. NP2:ϕ_s199.00000°,δ54.00000°,λ-64.00000°. Principal axes: T 5.0400,Plg6.0000° ,Azm271.0000°; N 1.0700,Plg21.0000°,Azm3.0000°; P -6.1200,Plg68.0000°,Azm166.0000° M_o5.60000×10^{16}
ISC III 15 00 56 33.0–.28 40.32S–.07 91.56W–.07 10 5.0b,4.7s 625 16-176
IDC III 15 00 56 31.2–.46 40.38S 91.80W 0 4.7,4.7 **¶11883143**
NEIC III 15 00 56 33.0–.23 40.37S 91.62W 10 5.1b,4.7
ISCJB III 15 00 56 32.3–.25 40.27S–.05 91.49W–.07 10 4.9b,4.6s
BJI III 15 00 56 34.1 40.30S 91.60W 10 5.6s,5.5b
GCMT III 15 00 56 34.4–.20 40.27S 91.86W 12 5.2W,5.5b
MOS III 15 00 56 35.5–1.1 40.30S 91.54W 33 5.2b,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=14.6km az=119.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.0km az=142.9.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s48,c67; s97,c152; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.46±.15 $M_{\theta\theta}$-1.09±.16; $M_{\phi\phi}$7.55±.14; $M_{r\theta}$3.23±.48; $M_{\theta\phi}$-0.37±.14; $M_{\theta r}$-0.75±.42; Best double couple: NP1:ϕ_s200.00000°,δ46.00000°,λ-55.00000°. NP2:ϕ_s335.00000°,δ54.00000°,λ-121.00000°. Principal axes: T 7.6300,Plg4.0000° ,Azm86.0000°; N 0.3700,Plg25.0000°,Azm354.0000°; P -7.9900,Plg65.0000°,Azm185.0000° M_o7.80000×10^{16}
MOS Error ellipse: s-maj=17.1km s-min=9.4km az=93.1.
ISC VI 10 22 05 34.6–.31 41.68S–.07 84.04W–.07 10 5.0b,4.4s 162 10-174
IDC VI 10 22 05 32.3–.51 41.71S 84.23W 0 4.4,4.4 **¶13196109**
ISCJB VI 10 22 05 33.4–.32 41.78S–.06 84.01W–.08 10 4.9b,4.4s
GCMT VI 10 22 05 34.2–.20 41.60S 84.39W 12 5.0W,4.4s
NEIC VI 10 22 05 34.7–.30 41.78S 84.08W 10 5.2b,4.4s
BJI VI 10 22 05 35.2 41.70S 84.20W 10 5.2,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=15.1km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=8.5km az=33.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c45; s81,c126; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.18±.10 $M_{\theta\theta}$0.17±.09; $M_{\phi\phi}$4.01±.09; $M_{r\theta}$0.98±.34; $M_{\theta\phi}$-0.73±.08; $M_{\theta r}$-0.29±.28; Best double couple: NP1:ϕ_s181.00000°,δ43.00000°,λ-73.00000°. NP2:ϕ_s338.00000°,δ49.00000°,λ-105.00000°. Principal axes: T 4.1700,Plg3.0000° ,Azm79.0000°; N 0.2200,Plg12.0000°,Azm348.0000°; P -4.3900,Plg78.0000°,Azm184.0000° M_o4.30000×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.7km az=86.0.
ISC VI 10 23 13 21.8–.63 41.63S–.05 84.05W–.06 16–3 5.6b,5.3s 567 10-176
IDC VI 10 23 13 18.6–.36 41.69S 84.27W 0 5.1,5.1 **¶13917848**
MOS VI 10 23 13 20.0–1.2 41.67S 84.16W 10 5.8b,5.2s
ISCJB VI 10 23 13 20.1–.20 41.65S–.04 83.96W–.06 10 5.5b,5.2s
BJI VI 10 23 13 21.6 41.60S 84.00W 10 5.6s,5.5
NEIC VI 10 23 13 21.1–.20 41.72S 84.00W 10 5.7b,5.7W
GCMT VI 10 23 13 22.3–.10 41.61S 84.38W 12 5.6W,5.7W
DJA VI 10 23 13 23.4–1.9 42S–34 84W–27 10 6.0b,5.6
ISC Event type se.
ISCJB Event type se.
NEIC Event type se. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.93 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$2.10 $M_{r\theta}$2.33 $M_{\theta\phi}$0.95 $M_{\theta r}$-3.61 Best double couple: NP1:ϕ_s220.00000° ,δ22.00000°,λ-29.00000°. NP2:ϕ_s337.00000°,δ80.00000°,λ-109.00000°. Principal axes: T 4.2500,Plg31.0000°,Azm83.0000°; N 1.0200,Plg19.0000°,Azm340.0000° ; P -5.2700,Plg51.0000°,Azm225.0000° M_o4.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=233 , per= 50. Moment Tensor Solution. s85,c149; s66,c74; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.12±.03 $M_{\theta\theta}$-0.14±.03; $M_{\phi\phi}$3.26±.03; $M_{r\theta}$0.84±.09; $M_{\theta\phi}$-0.62±.03; $M_{\theta r}$0.33±.08; Best double couple: NP1:ϕ_s335.00000°,δ46.00000°,λ-112.00000°. NP2:ϕ_s185.00000°,δ49.00000°,λ-69.00000°. Principal axes: T 3.3700,Plg2.0000°,Azm260.0000°; N 0.0000,Plg16.0000°,Azm351.0000° ; P -3.3700,Plg74.0000°,Azm165.0000° M_o3.40000×10^{17}

(688) East of North Island.

WEL I 03 06 37 38.3–.72 36.89S 178.64W 33 4.0L
¶11751947

WEL Event type ke. Error ellipse: s-maj=9.2km s-min=6.0km az=0.0.
WEL II 09 11 45 20.8–.59 38.59S 179.78W 33 4.5L
¶12083043

WEL Event type ke. Error ellipse: s-maj=6.0km s-min=2.7km az=90.0.
WEL II 09 17 47 15.1–.50 37.59S 179.57W 33 3.7L
¶12083050

WEL Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=0.0.
WEL II 18 15 30 56.9–.45 36.24S 179.94W 33 3.8L
¶12083297

WEL Event type ke. Error ellipse: s-maj=4.5km s-min=2.6km az=90.0.
WEL II 19 10 43 24.0–.37 37.30S 179.85W 33 3.5L
¶12083313

WEL Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=90.0.
IDC III 10 07 48 14.9–1.6 36.69S 179.05W 0 4.4,4.3b
¶12702856

IDC Error ellipse: s-maj=61.4km s-min=39.2km az=11.0.
ISC III 11 16 43 32.1–.74 35.71S–.10 179.4W–.10 41 4.5b 45 4-158
IDC III 11 16 43 26.3–.89 35.47S 179.44W 0 4.5,4.4 **¶12702985**
ISCJB III 11 16 43 29.8–1.3 35.81S–.09 179.4W–.20 41 4.4b,3.8s
NEIC III 11 16 43 33.4–2.1 35.82S 179.49W 55–15 4.6b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=26.3km az=17.0.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=12.5km az=179.1.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=11.1km az=61.0.
IDC III 11 22 55 55.6–4.2 35.13S 179.56W 0 4.4,4.1b
¶12703026

IDC Error ellipse: s-maj=263.1km s-min=51.0km az=171.0.
IDC III 12 04 16 47.1–4.8 35.28S 179.57W 0 4.4,4.1
¶12703046

IDC Error ellipse: s-maj=212.0km s-min=58.8km az=165.0.
IDC III 13 15 23 44.3–2.9 35.85S 179.49W 0 4.3,4.2b
¶12703179

IDC Error ellipse: s-maj=76.8km s-min=31.2km az=134.0.
IDC III 14 19 04 57.5–2.9 35.29S 179.55W 0 3.9,3.7
¶12703284

IDC Error ellipse: s-maj=73.0km s-min=43.9km az=133.0.
WEL III 16 07 48 50.7–.42 37.64S 179.77W 33 3.9L
¶12791218

WEL Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=90.0.
ISC III 23 01 19 60.0–.82 36.34S–.09 179.83W–.09 50 4.3b,3.8s 52 2-154
IDC III 23 01 19 52.6–1.3 36.07S 179.73W 0 4.5,4.4 **¶12635343**
NEIC III 23 01 19 54.7 35.97S 179.65W 78 4.4L,4.4
ISC Event type se.
IDC Error ellipse: s-maj=43.9km s-min=26.4km az=144.0.
NEIC Event type se. After WEL.
ISC IV 01 04 50 35.5–2.8 35.1S–.20 179.2W–.40 10 12 3-149
IDC IV 01 04 50 34.6–3.3 34.92S 179.33W 0 4.1,3.9 **¶16152206**
ISC Event type ke.
IDC Error ellipse: s-maj=74.1km s-min=36.6km az=121.0.
ISC IV 24 12 15 12.4–4.6 36.4S–.20 179.1W–.30 80–39 4.5b 16 2-157
IDC IV 24 12 15 09.9–8.7 36.32S 179.19W 52–70 4.3,4.2 **¶12842947**
ISCJB IV 24 12 15 10.4–1.2 36.4S–.10 178.8W–.20 100 4.3b,4.2
ISC Event type ke.
ISCJB Event type ke.
IDC V 28 01 22 55.8–3.6 36.93S 176.58W 0 3.9,3.6
¶16156244

IDC Error ellipse: s-maj=103.9km s-min=33.0km az=141.0.
WEL V 28 05 46 49.7–.56 37.70S 179.68W 33 3.5L
¶14302610

WEL Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=90.0.

(691) Pacific-Antarctic Ridge.

ISC I 04 17 46 34.3–.34 58.3S–.10 139.69W–.08 10 5.0b,4.7s 152 27-170
IDC I 04 17 46 32.5–.51 58.27S 139.87W 0 4.8,4.7 **¶11528271**
ISCJB I 04 17 46 32.6–.41 58.28S–.10 139.9W–.10 10 4.8b,4.7s
MOS I 04 17 46 33.6–2.0 58.25S 139.93W 10 5.0b,4.7s
NEIC I 04 17 46 34.1–.27 58.33S 139.86W 10 5.0b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=15.5km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=9.8km az=179.9.
MOS Error ellipse: s-maj=29.8km s-min=20.8km az=77.4.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.1km az=172.0.
ISC I 07 17 29 56.8–.77 57.1S–.20 143.4W–.20 10 4.6s,4.5b 29 27-169
IDC I 07 17 29 55.9–.76 56.49S 143.54W 0 4.4,4.3s **¶12080661**
ISCJB I 07 17 29 56.3–1.0 57.3S–.20 143.4W–.30 10 4.7s,4.3b
NEIC I 07 17 29 56.3–.78 57.20S 143.04W 10 4.7s,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=23.3km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=29.7km s-min=16.6km az=29.9.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=21.8km az=8.0.
IDC I 08 13 53 56.7–1.0 56.17S 143.09W 0 4.0,3.9s
¶11659098

IDC Error ellipse: s-maj=41.1km s-min=28.6km az=178.0.
ISC I 10 06 10 19.1–.72 56.2S–.20 143.0W–.20 11 4.5b,4.1s 33 28-163
ISCJB I 10 06 10 17.4–.67 56.26S–.09 143.0W–.30 11 4.5b,4.0s **¶11659105**
IDC I 10 06 10 17.5–.75 56.22S 143.09W 0 4.5,4.3
NEIC I 10 06 10 19.2–.56 56.22S 142.91W 10 4.7b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=12.1km az=168.5.
IDC Error ellipse: s-maj=36.0km s-min=25.5km az=6.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=19.7km az=115.0.
IDC I 17 17 39 58.8–.85 53.95S 137.26W 0 4.1,3.9b
¶12081555

IDC Error ellipse: s-maj=41.7km s-min=22.3km az=174.0.
IDC I 21 13 22 22.9–.86 54.10S 133.28W 0 4.2,4.1
¶11671798

IDC Error ellipse: s-maj=35.0km s-min=25.6km az=155.0.
ISC I 21 14 14 30.2–.52 54.2S–.20 133.1W–.10 10 4.8s,4.7b 43 32-169
ISCJB I 21 14 14 28.8–.47 54.3S–.10 133.2W–.20 10 4.8s,4.6b **¶12081974**
IDC I 21 14 14 28.3–.59 54.17S 133.14W 0 4.7s,4.7
NEIC I 21 14 14 30.3–.38 54.29S 133.17W 10 4.8b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=13.2km az=158.7.
IDC Error ellipse: s-maj=27.2km s-min=18.6km az=171.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=12.4km az=159.0.
ISC I 23 15 25 02.6–.83 54.9S–.20 129.1W–.20 10 4.7s,4.2b 25 31-160
ISCJB I 23 15 25 00.2–.72 54.9S–.10 129.2W–.20 10 4.6s,4.2b **¶12082142**
NEIC I 23 15 25 01.7–.66 54.90S 128.98W 10 4.7b,4.2b
IDC I 23 15 25 02.8–1.2 55.02S 129.91W 0 4.6s,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=15.7km az=156.4.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=19.5km az=172.0.
IDC Error ellipse: s-maj=48.0km s-min=34.5km az=111.0.
IDC I 31 02 41 01.0–11 53.41S 132.76W 0 3.9,3.7
¶11713959

IDC Error ellipse: s-maj=995.4km s-min=67.7km az=147.0.
ISC II 06 19 37 27.2–1.6 56.1S–.10 143.0W–.40 10 4.2s,3.7b 7 33-151
IDC II 06 19 37 25.2–1.8 56.06S 142.89W 0 4.2s,4.2 **¶11730077**
ISCJB II 06 19 37 26.1–1.7 56.2S–.10 143.2W–.70 10 4.3s,3.8b
ISC Event type ke.
ISCJB Event type ke.
IDC II 27 10 14 59.2–1.4 55.44S 128.03W 0 4.1,4.0b
¶15957443

IDC Error ellipse: s-maj=50.9km s-min=29.3km az=36.0.
ISC III 15 13 20 51.7–1.8 61.7S–.20 159.8W–.30 10 4.2b,3.9s 8 20-153
IDC III 15 13 20 50.6–1.9 61.69S 159.96W 0 4.2,4.1 **¶12085991**
ISC Event type ke.
IDC Error ellipse: s-maj=57.2km s-min=29.1km az=56.0.
ISC III 16 07 13 35.8–.26 55.11S–.07 129.56W–.05 10 5.2s,4.9b 293 31-175
ISCJB III 16 07 13 34.5–.26 55.20S–.05 129.7W–.10 10 5.2s,4.8b **¶11938379**
IDC III 16 07 13 34.2–.52 55.15S 129.82W 0 5.2s,5.2
MOS III 16 07 13 36.0–.90 55.08S 130.68W 10 5.2s,5.2b
NEIC III 16 07 13 36.1–.24 55.14S 129.70W 10 5.9W,5.9W
GCMT III 16 07 13 41.8–.10 55.23S 129.57W 17–0 5.9W,5.9W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=7.5km az=7.4.
IDC Error ellipse: s-maj=23.0km s-min=17.0km az=159.0.
MOS Error ellipse: s-maj=37.7km s-min=20.6km az=68.1.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.7km az=160.0. Moment Tensor Solution. s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.21 $M_{\theta\theta}$4.59 $M_{\phi\phi}$-5.80 $M_{r\theta}$-0.22 $M_{\theta\phi}$6.66 $M_{\phi r}$1.53 Best double couple: NP1:ϕ_s109.00000°,δ81.00000°,λ-3.00000°. NP2:ϕ_s199.00000° ,δ87.00000°,λ-171.00000°. Principal axes: T 7.8800,Plg4.0000°,Azm333.0000° ; N 1.3800,Plg80.0000°,Azm216.0000°; P -9.2600,Plg8.0000°,Azm64.0000° M_o8.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=120, comp=256, per= 50. Moment Tensor Solution. s106,c240; s80,c115; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01±.06 $M_{\theta\theta}$5.82±.06; $M_{\phi\phi}$-4.80±.05; $M_{r\theta}$0.35±.14; $M_{\theta\phi}$5.96±.05; $M_{\theta r}$0.34±.14; Best double couple: NP1:ϕ_s111.00000°,δ87.00000°,λ1.00000°. NP2:ϕ_s21.00000°,δ89.00000°,λ177.00000°. Principal axes: T 8.5200,Plg3.0000°,Azm336.0000°; N -1.0300,Plg87.0000°,Azm183.0000° ; P -7.4800,Plg1.0000°,Azm66.0000° M_o8.00000×10^{17}
ISC III 16 16 47 45.7–.47 63.3S–.10 166.4W–.10 10 4.8b,4.7s 63 17-168
ISCJB III 16 16 47 44.2–.55 63.32S–.09 166.5W–.20 10 4.7s,4.6b **¶12703432**
IDC III 16 16 47 44.2–.53 63.30S 166.30W 0 4.7s,4.7
NEIC III 16 16 47 45.6–.32 63.31S 166.43W 10 4.8b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=10.1km az=136.5.
IDC Error ellipse: s-maj=26.6km s-min=15.7km az=33.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.5km az=224.0.
IDC IV 02 18 21 35.6–.92 54.54S 133.39W 0 4.4,4.1
¶12746745

IDC Error ellipse: s-maj=139.1km s-min=24.1km az=167.0.
IDC IV 02 18 51 26.5–2.0 53.95S 134.19W 0 4.1,4.0
¶12746746

IDC Error ellipse: s-maj=62.1km s-min=41.6km az=64.0.
ISC IV 02 20 47 02.1–.72 53.9S–.20 133.8W–.20 12 4.1b,4.0s 21 31-163
IDC IV 02 20 47 00.1–.77 53.79S 133.85W 0 4.3,4.1 **¶12746748**
ISCJB IV 02 20 47 00.2–.86 53.9S–.20 133.7W–.30 12 4.1s,4.0b
ISC Event type ke.
ISCJB Event type ke.
IDC IV 02 23 14 36.7–1.3 54.50S 133.42W 0 4.1,3.9
¶12746750

IDC Error ellipse: s-maj=112.1km s-min=29.8km az=161.0.
ISC IV 02 23 38 37.1–.72 54.55S–.20 133.6W–.20 10 4.3b,4.2s 29 31-158
IDC IV 02 23 38 34.8–.79 54.32S 133.18W 0 4.3,4.1 **¶12746751**
NEIC IV 02 23 38 36.2–.71 54.32S 133.26W 10 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=25.3km az=153.0.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=23.2km az=154.0.
IDC IV 06 13 48 00.6–.98 57.07S 148.12W 0 4.2s,4.1
¶12791407

IDC Error ellipse: s-maj=121.6km s-min=33.0km az=3.0.

IDC IV 08 13 52 50.2–1.1 64.32S 169.19W 0 4.1,4.0
¶12759386

IDC Error ellipse: s-maj=55.8km s-min=31.2km az=22.0.

ISC IV 15 02 54 52.7–.47 63.01S–.10 157.7W–.10 10 4.5b,4.2s 52 19-153
ISCJB IV 15 02 54 51.0–.45 62.99S–.07 157.9W–.20 10 4.4b,4.2s **¶12840201**
IDC IV 15 02 54 51.4–.67 63.00S 157.78W 0 4.4,4.4
NEIC IV 15 02 54 52.5–.32 62.96S 157.70W 10 4.7b,4.4
GCMT IV 15 02 54 57.5–.30 63.23S 157.73W 26–1 5.2W,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=10.1km az=155.4.
IDC Error ellipse: s-maj=31.6km s-min=16.8km az=24.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.3km az=204.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s29,c38; s62,c79; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.81±.24 $M_{\theta\theta}$5.79±.26; $M_{\phi\phi}$-4.98±.20; $M_{r\theta}$-2.03±.46; $M_{\theta\phi}$2.17±.18; $M_{\theta r}$2.69±.45; Best double couple: NP1:ϕ_s217.00000°,δ62.00000°,λ-169.00000°. NP2:ϕ_s122.00000°,δ81.00000°,λ-29.00000°. Principal axes: T 6.5400,Plg13.0000° ,Azm172.0000°; N 0.4000,Plg60.0000°,Azm285.0000°; P -6.9400,Plg27.0000°,Azm76.0000° M_o6.70000×10^{16}
IDC IV 23 17 22 31.2–4.7 57.21S 141.28W 0 3.8s,3.8
¶12842941

IDC Error ellipse: s-maj=824.1km s-min=111.5km az=169.0.

ISC V 06 04 10 30.2–.73 56.6S–.10 142.0W–.20 10 4.3b,4.3s 20 28-156
ISCJB V 06 04 10 28.7–.81 56.6S–.10 142.1W–.30 10 4.2s,4.2b **¶13678423**
IDC V 06 04 10 29.4–1.2 56.69S 142.21W 0 4.2s,4.2
NEIC V 06 04 10 30.7–.71 56.59S 142.14W 10 4.4b,4.2
GCMT V 06 04 10 35.2–.20 56.83S 142.04W 25–1 5.2W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=14.4km az=168.0.
IDC Error ellipse: s-maj=42.4km s-min=27.5km az=36.0.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=21.5km az=198.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s44,c61; s76,c118; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.21 $M_{\theta\theta}$5.14±.21; $M_{\phi\phi}$-4.98±.18; $M_{r\theta}$0.85±.45; $M_{\theta\phi}$4.37±.17; $M_{\theta r}$0.40±.41; Best double couple: NP1:ϕ_s115.00000°,δ84.00000°,λ5.00000°. NP2:ϕ_s24.00000°,δ85.00000°,λ174.00000°. Principal axes: T 6.8900,Plg8.0000° ,Azm340.0000°; N -0.2700,Plg82.0000°,Azm165.0000°; P -6.6100,Plg1.0000°,Azm70.0000° M_o6.80000×10^{16}
IDC V 12 20 26 54.5–9.6 53.56S 132.24W 0 4.2,3.9
¶16155689

IDC Error ellipse: s-maj=866.4km s-min=159.9km az=151.0.
IDC V 16 12 30 55.8–1.3 57.90S 147.96W 0 4.0s,4.0
¶13439632

IDC Error ellipse: s-maj=156.3km s-min=40.5km az=178.0.
IDC V 18 20 09 05.2–1.3 58.81S 147.57W 0 4.1s,4.1
¶13439695

IDC Error ellipse: s-maj=46.2km s-min=34.9km az=38.0.
IDC V 19 17 52 19.4–4.5 58.79S 147.57W 0 3.9,3.6
¶16155914

IDC Error ellipse: s-maj=799.0km s-min=110.0km az=176.0.
IDC V 22 13 16 00.3–3.0 56.90S 143.10W 0 4.0,3.8
¶13193083

IDC Error ellipse: s-maj=95.2km s-min=38.8km az=58.0.

ISC VI 02 06 27 03.4–.43 62.93S–.09 158.38W–.08 10 5.0s,4.6b 69 18-173
ISCJB VI 02 06 27 01.1–.49 62.81S–.09 158.4W–.20 10 5.0s,4.5b **¶12892933**
IDC VI 02 06 27 01.2–.65 63.11S 158.37W 0 4.8s,4.8
NEIC VI 02 06 27 03.1–.44 62.83S 158.43W 10 5.0s,4.8b
GCMT VI 02 06 27 08.1–.10 62.92S 158.32W 12 5.5W,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=9.8km az=26.5.
IDC Error ellipse: s-maj=30.7km s-min=16.5km az=28.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.7km az=209.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 98, comp=176, per= 50. Moment Tensor Solution. s85,c140; s33,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36±.03 $M_{\theta\theta}$2.20±.03; $M_{\phi\phi}$-1.83±.03; $M_{r\theta}$-0.15±.07; $M_{\theta\phi}$0.73±.03; $M_{\theta r}$0.86±.07; Best double couple: NP1:ϕ_s123.00000°,δ73.00000°,λ-17.00000°. NP2:ϕ_s218.00000°,δ74.00000°,λ-163.00000°. Principal axes: T 2.3300,Plg0.0000°,Azm350.0000°; N 0.0200,Plg66.0000°,Azm260.0000° ; P -2.3400,Plg24.0000°,Azm80.0000° M_o2.30000×10^{17}
IDC VI 13 08 43 36.7–5.4 56.70S 144.08W 0 3.9,3.6
¶16101271

IDC Error ellipse: s-maj=1082.0km s-min=102.5km az=169.0.

ISC VI 29 14 55 56.8–.69 54.9S–.10 127.0W–.20 10 4.1s,3.9b 23 32-160
IDC VI 29 14 55 55.4–.87 54.78S 127.68W 0 4.1s,4.1 **¶13584589**
NEIC VI 29 14 55 56.6–.63 54.79S 127.33W 10 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=27.8km az=118.0.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=21.0km az=128.0.

(692) Southern Pacific Ocean.

IDC V 10 09 25 56.6–.85 72.48S 123.62W 0 4.0,3.9b
¶16155581

IDC Error ellipse: s-maj=34.5km s-min=25.7km az=2.0.

(756) Southeast of Easter Island.

IDC I 16 10 36 47.9–20 39.61S 93.20W 0 4.2,4.0
¶12081427

IDC Error ellipse: s-maj=723.0km s-min=360.2km az=117.0.

ISC I 20 00 59 32.1–.84 35.7S–.20 104.0W–.20 10 4.3b,4.0s 36 27-161
IDC I 20 00 59 30.7–.88 35.70S 104.06W 0 4.4,4.3 **¶12081815**
ISCJB I 20 00 59 31.2–.98 35.7S–.20 103.9W–.20 10 4.2b,4.0s
NEIC I 20 00 59 34.8–.60 35.29S 103.59W 10 4.5b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=20.7km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=28.3km s-min=14.8km az=34.8.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=11.7km az=221.0.
IDC I 25 03 39 04.3–11 35.60S 104.11W 0 4.3,4.0
¶12082278

IDC Error ellipse: s-maj=316.1km s-min=42.3km az=18.0.

ISC II 28 03 08 21.4–.73 41.1S–.10 91.1W–.10 10 4.6b,3.9s 52 16-146
ISCJB II 28 03 08 19.9–.52 41.12S–.09 91.0W–.10 10 4.4b,3.8s **¶12702070**
IDC II 28 03 08 19.4–1.1 41.15S 91.15W 0 4.3,4.2
NEIC II 28 03 08 21.4–.33 41.12S 91.03W 10 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=10.6km az=38.4.
IDC Error ellipse: s-maj=29.2km s-min=21.0km az=93.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.2km az=222.0.
IDC IV 21 03 51 43.9–1.6 35.91S 104.52W 0 4.4,4.0
¶12842932

IDC Error ellipse: s-maj=68.5km s-min=28.8km az=44.0.
IDC V 29 09 13 23.3–6.1 36.60S 103.21W 0 4.0,3.8
¶16156302

IDC Error ellipse: s-maj=241.2km s-min=34.7km az=46.0.

ISC VI 02 00 22 01.7–.37 35.82S–.09 103.44W–.09 12 4.7s,4.7b 123 26-168
ISCJB VI 02 00 21 59.9–.38 35.93S–.06 103.42W–.10 12 4.6s,4.6b **¶12886818**
IDC VI 02 00 21 59.2–.53 35.84S 103.69W 0 4.6s,4.6
NEIC VI 02 00 22 01.6–.40 35.86S 103.39W 10 4.7b,4.6
GCMT VI 02 00 22 04.3–.10 35.91S 103.47W 17–0 5.3W,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.3km az=150.9.
IDC Error ellipse: s-maj=17.8km s-min=15.8km az=86.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.2km az=224.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s82,c140; s99,c189; Moment tensor: Scale 10^{17}Nm; M_{rr}0.03±.02 $M_{\theta\theta}$-0.32±.02; $M_{\phi\phi}$0.29±.02; $M_{r\theta}$-0.17±.04; $M_{\theta\phi}$-1.10±.02; $M_{\theta r}$-0.10±.04; Best double couple: NP1:ϕ_s7.00000°,δ82.00000°,λ-5.00000°. NP2:ϕ_s98.00000°,δ85.00000°,λ-172.00000°. Principal axes: T 1.1300,Plg2.0000°,Azm233.0000°; N 0.0600,Plg81.0000°,Azm133.0000° ; P -1.1900,Plg9.0000°,Azm323.0000° M_o1.20000×10^{17}
ISC VI 05 13 39 10.1–.36 35.46S–.09 104.26W–.09 10 5.0s,4.8b 124 27-173
ISCJB VI 05 13 39 07.5–.37 35.44S–.07 104.5W–.10 10 5.0s,4.6b **¶12933396**
BJI VI 05 13 39 07.8 36.19S 103.52W 10 5.2s,5.2b
IDC VI 05 13 39 08.4–.52 35.42S 104.93W 0 5.0s,5.0
NEIC VI 05 13 39 10.2–.37 35.42S 104.40W 15 5.7W,5.6W
GCMT VI 05 13 39 15.1–.10 35.51S 104.88W 20–0 5.7W,5.6W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=9.7km az=179.0.
IDC Error ellipse: s-maj=19.6km s-min=15.1km az=112.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=10.1km az=85.0. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}0.09 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$1.06 $M_{r\theta}$0.38 $M_{\theta\phi}$-2.84 $M_{\theta r}$-0.69 Best double couple: NP1:ϕ_s191.00000°,δ81.00000°,λ11.00000°. NP2:ϕ_s100.00000° ,δ79.00000°,λ171.00000°. Principal axes: T 3.2000,Plg14.0000°,Azm55.0000° ; N -0.1100,Plg75.0000°,Azm229.0000°; P -3.0900,Plg1.0000°,Azm325.0000° M_o3.10000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=229, per= 50. Moment Tensor Solution. s104,c193; s72,c82; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.21±.04 $M_{\theta\theta}$-1.29±.04; $M_{\phi\phi}$1.50±.04; $M_{r\theta}$-0.35±.09; $M_{\theta\phi}$-4.08±.04; $M_{\theta r}$-0.53±.09; Best double couple: NP1:ϕ_s100.00000°,δ82.00000°,λ-176.00000°. NP2:ϕ_s9.00000°,δ86.00000°,λ-8.00000°. Principal axes: T 4.4300,Plg3.0000°,Azm55.0000°; N -0.1400,Plg81.0000°,Azm164.0000° ; P -4.2900,Plg8.0000°,Azm324.0000° M_o4.40000×10^{17}
ISC VI 10 01 02 39.9–.62 36.1S–.10 100.2W–.10 14 4.3b,3.8s 42 24-169
ISCJB VI 10 01 02 37.8–.59 36.12S–.09 100.3W–.10 14 4.1b,3.8s **¶13681086**
IDC VI 10 01 02 37.8–.68 36.09S 100.13W 0 4.2,4.0
NEIC VI 10 01 02 39.2–.47 36.08S 100.20W 10 4.4b,4.0
GCMT VI 10 01 02 42.8–.30 36.21S 100.00W 20–1 4.8W,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=12.6km az=144.6.
IDC Error ellipse: s-maj=22.3km s-min=18.1km az=91.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.9km az=53.0.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s19,c21; s63,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.83±.16 $M_{\theta\theta}$0.12±.13; $M_{\phi\phi}$0.71±.11; $M_{r\theta}$-0.19±.23; $M_{\theta\phi}$-2.13±.09; $M_{\theta r}$0.58±.19; Best double couple: NP1:ϕ_s274.00000°,δ73.00000°,λ-176.00000°. NP2:ϕ_s183.00000°,δ86.00000°,λ-17.00000°. Principal axes: T 2.6500,Plg9.0000° ,Azm229.0000°; N -0.8500,Plg72.0000°,Azm350.0000°; P -1.8000,Plg15.0000° ,Azm137.0000° M_o2.20000×10^{16}
ISC VI 26 16 49 23.0–1.7 35.1S–.30 101.9W–.30 10 4.0s,3.7b 17 25-152
IDC VI 26 16 49 20.5–2.0 35.24S 102.17W 0 4.1s,4.1 **¶13682073**
GCMT VI 26 16 49 21.5–.30 36.00S 102.10W 17–1 5.0W,4.1
NEIC VI 26 16 49 22.2–1.5 35.15S 102.03W 10 4.3b,4.1
ISC Event type fe.
IDC Error ellipse: s-maj=69.5km s-min=28.4km az=41.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c48; s78,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.69±.14 $M_{\theta\theta}$-0.16±.15; $M_{\phi\phi}$0.85±.13; $M_{r\theta}$-0.11±.34; $M_{\theta\phi}$-3.93±.12; $M_{\theta r}$-1.02±.32; Best double couple: NP1:ϕ_s94.00000°,δ75.00000°,λ-176.00000°. NP2:ϕ_s3.00000°,δ86.00000°,λ-16.00000°. Principal axes: T 4.4100,Plg8.0000°,Azm49.0000° ; N -0.6000,Plg74.0000°,Azm168.0000°; P -3.8000,Plg14.0000°,Azm317.0000° M_o4.10000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=50.2km s-min=25.3km az=37.0.

SEISMIC REGION 44.
Galapagos Area.

(693) Eastcentral Pacific Ocean.

IDC III 18 01 16 06.2–2.5 3.85N 93.93W 0 4.0,3.8
¶12703553

IDC Error ellipse: s-maj=94.2km s-min=28.3km az=52.0.

(694) Central East Pacific Rise.

ISC I 13 07 30 45.0–.91 8.9S–.10 109.3W–.20 10 4.3s,4.3b 37 18-151
ISCJB I 13 07 30 43.6–.80 8.9S–.10 109.3W–.20 10 4.3s,4.2b **¶11667121**
IDC I 13 07 30 43.5–1.4 8.73S 109.11W 0 4.4s,4.4
NEIC I 13 07 30 45.1–.61 8.95S 109.34W 10 4.5b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=10.7km az=151.3.
IDC Error ellipse: s-maj=55.3km s-min=17.8km az=54.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=9.2km az=62.0.
IDC I 28 00 35 51.0–1.5 13.41S 111.55W 0 3.9s,3.9
¶12082523

IDC Error ellipse: s-maj=47.2km s-min=35.5km az=56.0.
IDC III 13 14 22 30.7–1.9 13.37S 111.77W 0 3.8s,3.8
¶12703175

IDC Error ellipse: s-maj=65.8km s-min=33.3km az=42.0.
IDC III 14 14 44 01.9–2.3 7.70S 104.30W 0 4.2,3.9
¶12703268

IDC Error ellipse: s-maj=72.8km s-min=31.4km az=46.0.
IDC III 25 10 12 49.4–.95 6.40S 102.06W 0 4.3,4.2
¶12635543

IDC Error ellipse: s-maj=40.4km s-min=19.4km az=64.0.
IDC IV 05 07 35 19.0–13 4.49S 101.72W 0 3.8,3.6
¶16152405

IDC Error ellipse: s-maj=500.7km s-min=201.8km az=108.0.

ISC IV 15 13 48 59.7–.72 4.4S–.10 105.0W–.10 13 4.5s,4.2b 34 24-153
IDC IV 15 13 48 57.6–1.3 4.44S 105.14W 0 4.5s,4.5 **¶12840199**
ISCJB IV 15 13 48 58.5–.62 4.38S–.09 104.99W–.10 13 4.5s,4.1b
NEIC IV 15 13 48 59.3–1.1 4.44S 105.02W 10 4.5b,4.1b
GCMT IV 15 13 49 06.2–.20 3.94S 104.37W 16–0 5.3W,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=50.8km s-min=19.5km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=12.4km az=152.7.
NEIC Event type se. Error ellipse: s-maj=32.6km s-min=12.7km az=54.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c98; s99,c185; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.82±.18 $M_{\theta\theta}$0.12±.15; $M_{\phi\phi}$0.70±.19; $M_{r\theta}$3.44±.52; $M_{\theta\phi}$8.84±.16; $M_{\theta r}$-0.85±.50; Best double couple: NP1:ϕ_s0.00000°,δ69.00000°,λ-173.00000°. NP2:ϕ_s268.00000°,δ84.00000°,λ-21.00000°. Principal axes: T 9.5800,Plg10.0000° ,Azm316.0000°; N -0.0500,Plg68.0000°,Azm72.0000°; P -9.5300,Plg20.0000° ,Azm222.0000° M_o9.60000×10^{16}
ISC IV 15 14 04 31.1–.69 4.0S–.10 104.5W–.10 10 4.2s,3.8b 29 23-153
IDC IV 15 14 04 28.2–1.4 4.19S 104.90W 0 4.3,4.2 **¶12840198**
ISCJB IV 15 14 04 29.6–.63 3.95S–.10 104.42W–.10 10 4.2s,3.9b
NEIC IV 15 14 04 30.0–1.0 4.16S 104.72W 10 4.3b,3.9b
GCMT IV 15 14 04 35.0–.30 3.97S 104.39W 26–1 5.2W,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=20.7km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=13.1km az=139.7.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=14.0km az=56.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c43; s86,c134; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.49±.30 $M_{\theta\theta}$0.48±.25; $M_{\phi\phi}$0.01±.29; $M_{r\theta}$3.16±.49; $M_{\theta\phi}$8.17±.22; $M_{\theta r}$-1.58±.49; Best double couple: NP1:ϕ_s3.00000°,δ69.00000°,λ-170.00000°. NP2:ϕ_s269.00000°,δ81.00000°,λ-21.00000°. Principal axes: T 8.5800,Plg8.0000° ,Azm317.0000°; N 0.6400,Plg67.0000°,Azm67.0000°; P -9.2200,Plg21.0000°,Azm224.0000° M_o8.90000×10^{16}
IDC IV 17 17 37 12.5–7.7 3.78S 102.88W 0 3.9,3.7
¶16152934

IDC Error ellipse: s-maj=212.8km s-min=162.9km az=83.0.
IDC IV 23 17 57 02.9–10 14.34S 111.12W 0 3.8,3.7
¶16153310

IDC Error ellipse: s-maj=669.9km s-min=69.1km az=111.0.
IDC IV 26 04 02 36.8–3.9 5.92S 103.60W 0 3.9s,3.9
¶16154504

IDC Error ellipse: s-maj=220.8km s-min=67.0km az=95.0.
IDC IV 26 04 51 52.5–7.8 6.90S 106.12W 0 4.0,3.8
¶12842957

IDC Error ellipse: s-maj=228.4km s-min=114.9km az=119.0.

ISC IV 26 11 57 09.6–.86 6.3S–.10 107.3W–.20 10 4.3b,3.8s 41 26-152
IDC IV 26 11 57 07.4–1.2 6.32S 107.39W 0 4.2,4.2 **¶12842954**
ISCJB IV 26 11 57 09.0–.87 6.2S–.10 107.1W–.20 10 4.2b,3.8s
NEIC IV 26 11 57 09.7–.66 6.35S 107.26W 10 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=15.8km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=28.5km s-min=10.2km az=147.9.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=9.9km az=59.0.
IDC V 16 13 20 28.6–4.3 4.33S 103.45W 0 4.1,3.9
¶16155808

IDC Error ellipse: s-maj=153.6km s-min=30.9km az=51.0.

ISC V 17 01 34 21.7–2.4 5.5S–.40 105.6W–.30 10 4.2b,4.1s 36 27-153
ISCJB V 17 01 34 19.9–3.1 5.5S–.40 105.6W–.30 10 4.1b,4.1s **¶13439649**

IDC V 17 01 34 19.2–4.8 5.58S 105.14W 0 4.1s,4.1
NEIC V 17 01 34 21.7–1.7 5.47S 105.55W 10 4.3b,4.1
GCMT V 17 01 34 31.2–.40 4.56S 104.94W 21–1 5.0W,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=70.9km s-min=23.9km az=31.0.
IDC Error ellipse: s-maj=156.1km s-min=63.5km az=114.0.
NEIC Event type se. Error ellipse: s-maj=37.6km s-min=23.6km az=31.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s28,c32; s74,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.12±.16 $M_{\theta\theta}$0.85±.14; $M_{\phi\phi}$-0.73±.15; $M_{r\theta}$0.78±.26; $M_{\theta\phi}$3.23±.12; $M_{\phi r}$-0.46±.26; Best double couple: NP1:ϕ_s8.00000°,δ76.00000°,λ-174.00000°. NP2:ϕ_s276.00000°,δ84.00000°,λ-14.00000°. Principal axes: T 3.4200,Plg5.0000° ,Azm323.0000°; N 0.0600,Plg75.0000°,Azm73.0000°; P -3.4800,Plg14.0000°,Azm231.0000° M_o3.50000×10^{16}
IDC V 17 01 43 22.9–14 4.68S 105.32W 0 3.7,3.6
¶13439650
IDC Error ellipse: s-maj=510.7km s-min=173.8km az=117.0.
ISC V 18 09 50 14.3–.73 13.2S–.10 111.8W–.10 10 4.4b,4.2s 49 33-150
IDC V 18 09 50 12.3–1.5 13.22S 111.81W 0 4.1s,4.1 **¶13439684**
ISCJB V 18 09 50 13.3–.77 13.2S–.10 111.7W–.10 10 4.3b,4.2s
GCMT V 18 09 50 16.0–.40 13.46S 112.02W 24–1 5.0W,4.2s
NEIC V 18 09 50 17.2–.86 12.99S 111.42W 10 4.5b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=52.2km s-min=25.5km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=10.8km az=144.7.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s23,c23; s75,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.80±.24 $M_{\theta\theta}$0.19±.20; $M_{\phi\phi}$0.61±.20; $M_{r\theta}$1.29±.27; $M_{\theta\phi}$3.75±.14; $M_{\phi r}$-0.68±.23; Best double couple: NP1:ϕ_s1.00000°,δ70.00000°,λ-166.00000°. NP2:ϕ_s266.00000°,δ77.00000°,λ-21.00000°. Principal axes: T 4.1900,Plg5.0000° ,Azm314.0000°; N -0.2100,Plg66.0000°,Azm55.0000°; P -3.9800,Plg24.0000° ,Azm222.0000° M_o4.10000×10^{16}
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=12.4km az=50.0.
ISC V 24 09 57 12.9–.31 4.05S–.06 103.99W–.06 18 5.1b,5.1s 334 14-168
IDC V 24 09 57 09.8–.49 4.00S 104.04W 0 5.0s,5.0 **¶12861557**
MOS V 24 09 57 10.6–1.1 3.96S 103.88W 10 5.2b,5.0
ISCJB V 24 09 57 11.6–.24 3.98S–.04 103.92W–.04 18 5.1s,5.0b
NEIC V 24 09 57 11.1–.20 4.05S 103.97W 6 5.5W,5.1b
BJI V 24 09 57 12.0 4.00S 103.90W 10 5.6s,5.3b
GCMT V 24 09 57 16.5–.10 4.00S 103.88W 22–0 5.6W,5.3b
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=11.5km az=59.0.
MOS Error ellipse: s-maj=14.3km s-min=5.7km az=99.6.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.6km az=152.3.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.6km az=60.0. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-0.63 $M_{r\theta}$-0.09 $M_{\theta\phi}$2.15 $M_{\phi r}$0.17 Best double couple: NP1:ϕ_s97.00000°,δ86.00000°,λ-2.00000°. NP2:ϕ_s187.00000° ,δ88.00000°,λ-176.00000°. Principal axes: T 2.0900,Plg0.0000°,Azm321.0000° ; N 0.2500,Plg85.0000°,Azm218.0000°; P -2.3400,Plg4.0000°,Azm51.0000° M_o2.20000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=222, per= 50. Moment Tension Solution. s91,c170; s57,c66; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.55±.04 $M_{\theta\theta}$1.34±.04; $M_{\phi\phi}$-0.79±.04; $M_{r\theta}$0.44±.08; $M_{\theta\phi}$3.16±.04; $M_{\phi r}$-0.03±.08; Best double couple: NP1:ϕ_s9.00000°,δ82.00000°,λ-179.00000°. NP2:ϕ_s279.00000°,δ89.00000°,λ-8.00000°. Principal axes: T 3.6400,Plg5.0000°,Azm325.0000°; N -0.5500,Plg82.0000°,Azm91.0000° ; P -3.0900,Plg6.0000°,Azm234.0000° M_o3.40000×10^{17}
IDC V 31 06 53 11.0–2.7 4.32S 103.09W 0 4.1,3.8b
¶16066108
IDC Error ellipse: s-maj=153.3km s-min=29.5km az=62.0.
IDC VI 03 18 21 11.0–27 4.97S 100.55W 0 4.0,3.9
¶16100904
IDC Error ellipse: s-maj=1219.0km s-min=129.5km az=107.0.
IDC VI 04 00 30 37.8–1.9 2.74S 101.86W 0 4.0,3.9
¶16100918
IDC Error ellipse: s-maj=86.3km s-min=28.4km az=56.0.
IDC VI 04 22 22 06.4–1.1 5.91S 107.49W 0 4.3,4.1
¶16100963
IDC Error ellipse: s-maj=44.1km s-min=24.4km az=72.0.

(695) West of Galapagos Islands.

IDC IV 02 17 52 03.3–11 1.69N 96.91W 0 3.7,3.6
¶16152277
IDC Error ellipse: s-maj=431.6km s-min=209.1km az=97.0.
IDC IV 02 17 55 24.8–5.2 1.72N 97.04W 0 4.2,4.0
¶16152278
IDC Error ellipse: s-maj=122.0km s-min=104.6km az=53.0.
IDC IV 02 19 10 22.4–.85 2.02N 97.98W 0 4.4,4.2
¶16152280
IDC Error ellipse: s-maj=35.2km s-min=14.9km az=51.0.
ISC IV 02 19 11 58.7–.86 2.2N–.10 97.9W–.10 10 4.5b,3.9s 221 15-154
IDC IV 02 19 11 56.5–.90 2.06N 98.06W 0 4.5,4.3b **¶12934296**
ISCJB IV 02 19 11 57.7–.78 2.2N–.10 97.5W–.10 10 4.5b,4.0s
NEIC IV 02 19 11 57.5–.70 1.92N 97.95W 10 4.6b,4.0s
GCMT IV 02 19 12 02.7–.40 2.23N 97.21W 21–0 5.1W,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=16.2km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=10.0km az=138.8.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=11.1km az=55.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s37,c46; s75,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.08±.24 $M_{\theta\theta}$4.73±.18; $M_{\phi\phi}$0.35±.20; $M_{r\theta}$0.02±.28; $M_{\theta\phi}$-1.21±.13; $M_{\phi r}$-0.58±.34; Best double couple: NP1:ϕ_s98.00000°,δ44.00000°,λ-99.00000°. NP2:ϕ_s291.00000°,δ46.00000°,λ-82.00000°. Principal axes: T 5.0400,Plg1.0000° ,Azm15.0000°; N 0.0900,Plg6.0000°,Azm105.0000°; P -5.1400,Plg84.0000°,Azm276.0000° M_o5.10000×10^{16}
IDC IV 02 19 24 14.6–4.2 1.40N 96.66W 0 4.2,3.8
¶16152281
IDC Error ellipse: s-maj=315.6km s-min=70.4km az=86.0.
IDC IV 06 08 59 21.4–10 0.50N 99.40W 0 3.8,3.6
¶16152445
IDC Error ellipse: s-maj=389.4km s-min=183.7km az=98.0.
IDC IV 23 01 19 31.7–8.7 1.46N 98.55W 0 3.9,3.7
¶16153285
IDC Error ellipse: s-maj=363.5km s-min=134.1km az=96.0.
IDC V 22 21 21 42.1–8.4 0.54N 99.98W 0 4.2,3.9
¶16156032
IDC Error ellipse: s-maj=297.2km s-min=124.8km az=104.0.
IDC V 23 00 54 01.2–10 0.54N 99.65W 0 4.3,3.9b
¶16156034
IDC Error ellipse: s-maj=320.0km s-min=186.8km az=107.0.
ISC V 24 23 49 47.9–.65 2.21N–.10 96.0W–.10 10 4.2b,3.6s 64 18-128
IDC V 24 23 49 46.0–.71 2.08N 96.31W 0 4.3,4.1 **¶12870876**
ISCJB V 24 23 49 47.4–.61 2.26N–.09 95.85W–.09 10 4.2b,3.5s
NEIC V 24 23 49 48.3–.46 2.19N 95.90W 10 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=15.0km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=7.3km az=136.3.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=6.8km az=48.0.
ISC V 31 09 56 47.6–1.0 2.4N–.10 96.1W–.10 10 4.1b,3.5s 41 14-127
IDC V 31 09 56 42.0–2.8 1.53N 97.15W 0 4.1,3.9 **¶12941945**
ISCJB V 31 09 56 47.0–1.0 2.4N–.10 96.1W–.10 10 4.2b,3.5s
NEIC V 31 09 56 48.2–1.0 2.36N 95.99W 10 4.2b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=128.1km s-min=22.2km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=25.0km s-min=10.5km az=40.5.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=12.5km az=212.0.
ISC VI 05 22 03 19.5–.42 2.12N–.08 96.50W–.09 10 4.8b,4.5s 208 7-155
IDC VI 05 22 03 17.7–.58 2.13N 96.56W 0 5.0L,4.6 **¶12938952**
MOS VI 05 22 03 18.9–1.0 2.20N 96.37W 10 4.9b,4.4s
ISCJB VI 05 22 03 19.2–.40 2.21N–.06 96.40W–.07 10 4.7b,4.5s
NEIC VI 05 22 03 21.1–2.2 2.10N 96.47W 16–13 4.8b,4.5s
GCMT VI 05 22 03 24.5–.40 2.38N 96.10W 12–1 5.0W,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=12.3km az=58.0.
MOS Error ellipse: s-maj=19.9km s-min=6.6km az=105.4.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=5.0km az=139.6.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.0km az=53.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s27,c37; s62,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.01±.26 $M_{\theta\theta}$3.88±.18; $M_{\phi\phi}$-0.87±.24; $M_{r\theta}$2.31±.46; $M_{\theta\phi}$1.09±.13; $M_{\phi r}$0.44±.74; Best double couple: NP1:ϕ_s76.00000°,δ28.00000°,λ-93.00000°. NP2:ϕ_s259.00000°,δ62.00000°,λ-89.00000°. Principal axes: T 4.8200,Plg17.0000° ,Azm348.0000°; N -1.1100,Plg1.0000°,Azm78.0000°; P -3.7200,Plg73.0000°,Azm172.0000° M_o4.30000×10^{16}
IDC VI 05 22 29 36.6–2.3 1.56N 97.98W 0 4.1,3.7
¶16100999
IDC Error ellipse: s-maj=317.7km s-min=26.1km az=70.0.

(696) Galapagos Islands region.

ISC I 23 07 19 00.1–.59 2.35N–.09 86.66W–.08 10 4.2b,3.5s 306 8-136
IDC I 23 07 18 59.0–.72 2.50N 86.44W 0 4.3,4.3 **¶12082108**
NEIC I 23 07 19 00.4–.48 2.29N 86.68W 10 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=12.6km az=55.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=6.9km az=47.0.
IDC III 08 08 42 07.5–6.4 2.25N 94.77W 0 4.1,3.9
¶12702701
IDC Error ellipse: s-maj=141.6km s-min=97.2km az=25.0.
IDC III 11 02 57 17.7–6.8 1.92N 94.55W 0 4.2,3.9
¶12702943
IDC Error ellipse: s-maj=136.9km s-min=121.0km az=18.0.
IDC III 11 03 32 43.5–7.5 2.29N 94.03W 0 4.0,3.7
¶12702948
IDC Error ellipse: s-maj=203.9km s-min=139.4km az=57.0.
ISC III 14 06 49 30.3–.41 2.25N–.07 95.53W–.08 10 4.7b,4.6s 456 6-155
IDC III 14 06 49 29.2–.60 2.51N 95.34W 0 4.6,4.6 **¶11882882**
ISCJB III 14 06 49 30.1–.40 2.42N–.06 95.27W–.06 10 4.6b,4.6s
NEIC III 14 06 49 31.0–.34 2.33N 95.34W 10 4.8b,4.6s
GCMT III 14 06 49 34.6–.20 2.54N 95.25W 13–1 5.2W,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=11.0km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.1km az=42.7.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.7km az=49.0.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s46,c69; s86,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.53±.21 $M_{\theta\theta}$3.52±.17; $M_{\phi\phi}$-1.00±.18; $M_{r\theta}$3.46±.47; $M_{\theta\phi}$6.96±.16; $M_{\phi r}$-0.41±.39; Best double couple: NP1:ϕ_s11.00000°,δ61.00000°,λ-168.00000°. NP2:ϕ_s275.00000°,δ80.00000°,λ-30.00000°. Principal axes: T 9.1600,Plg13.0000° ,Azm326.0000°; N -1.8400,Plg59.0000°,Azm78.0000°; P -7.3300,Plg28.0000° ,Azm229.0000° M_o8.20000×10^{16}
ISC III 14 22 54 17.0–.49 2.42N–.08 95.44W–.09 10 4.5b,4.1s 125 6-151
ISCJB III 14 22 54 16.0–.43 2.50N–.06 95.34W–.07 10 4.4b,4.1s **¶11883141**
IDC III 14 22 54 15.7–.65 2.43N 95.56W 0 4.2s,4.2
NEIC III 14 22 54 17.0–.38 2.40N 95.39W 10 4.7b,4.2
GCMT III 14 22 54 18.8–.50 2.51N 95.46W 15–1 5.0W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=5.8km az=139.7.
IDC Error ellipse: s-maj=27.0km s-min=13.3km az=57.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.6km az=51.0.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s19,c23; s60,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.98±.16 $M_{\theta\theta}$1.74±.13; $M_{\phi\phi}$-0.77±.13; $M_{r\theta}$2.35±.51; $M_{\theta\phi}$2.28±.10; $M_{\phi r}$-1.46±.50; Best double couple: NP1:ϕ_s22.00000°,δ46.00000°,λ-163.00000°. NP2:ϕ_s281.00000°,δ78.00000°,λ-45.00000°. Principal axes: T 3.5600,Plg20.0000° ,Azm338.0000°; N 0.5900,Plg44.0000°,Azm89.0000°; P -4.1500,Plg39.0000°,Azm231.0000° M_o3.90000×10^{16}
ISC III 15 03 14 31.7–.88 2.39N–.04 95.30W–.05 9–4 5.5s,5.4b 952 6-170
ISCJB III 15 03 14 30.1–1.3 2.48N–.03 95.17W–.03 7–8 5.4s,5.3b **¶11883144**
IDC III 15 03 14 30.2–.57 2.47N 95.36W 0 5.4s,5.4
NEIC III 15 03 14 31.9–.21 2.43N 95.12W 10 5.8W,5.8W
GCMT III 15 03 14 35.9–.10 2.56N 95.25W 12 5.8W,5.8W
MOS III 15 03 14 35.0–1.1 2.65N 95.00W 33 5.6s,5.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.2km az=37.4.
IDC Error ellipse: s-maj=22.8km s-min=11.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=55.0. Moment Tensor Solution. s54 Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$3.22 $M_{\phi\phi}$-5.18 $M_{r\theta}$-0.39 $M_{\theta\phi}$3.27 $M_{\phi r}$1.36 Best double couple: NP1:ϕ_s116.00000°,δ82.00000°,λ-5.00000°. NP2:ϕ_s206.00000° ,δ85.00000°,λ-172.00000°. Principal axes: T 4.3500,Plg1.0000°,Azm340.0000° ; N 2.1900,Plg80.0000°,Azm238.0000°; P -6.5400,Plg9.0000°,Azm71.0000° M_o5.80000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=227, per= 50. Moment Tensor Solution. s104,c204; s79,c105; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96±.05 $M_{\theta\theta}$3.96±.05; $M_{\phi\phi}$-3.00±.06; $M_{r\theta}$1.41±.13; $M_{\theta\phi}$4.63±.05; $M_{\phi r}$0.75±.14; Best double couple: NP1:ϕ_s109.00000°,δ81.00000°,λ8.00000°. NP2:ϕ_s18.00000°,δ82.00000°,λ171.00000°. Principal axes: T 6.6100,Plg12.0000°,Azm333.0000°; N -1.3000,Plg78.0000°,Azm156.0000° ; P -5.3100,Plg1.0000°,Azm64.0000° M_o6.00000×10^{17}
MOS Error ellipse: s-maj=9.2km s-min=5.0km az=97.2.
IDC III 15 03 21 31.9–11 1.81N 94.88W 0 3.9,3.6
¶12703318
IDC Error ellipse: s-maj=261.6km s-min=165.4km az=27.0.
IDC III 15 09 16 42.5–2.7 2.95N 95.02W 0 4.0,3.8
¶12703339
IDC Error ellipse: s-maj=128.8km s-min=26.6km az=53.0.
ISC III 15 23 00 55.4–.48 2.46N–.08 95.1W–.10 10 4.6b,4.2s 394 14-155
IDC III 15 23 00 53.3–.71 2.45N 95.34W 0 4.4,4.3b **¶11888788**
ISCJB III 15 23 00 54.4–.46 2.53N–.06 95.03W–.06 10 4.6b,4.2s
NEIC III 15 23 00 55.2–.32 2.41N 95.11W 10 4.8b,4.2s
GCMT III 15 23 01 00.6–.30 2.68N 95.18W 12 5.0W,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=15.5km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=6.7km az=42.2.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.7km az=59.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s29,c36; s73,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.87±.20 $M_{\theta\theta}$4.42±.15; $M_{\phi\phi}$-1.55±.22; $M_{r\theta}$2.57±.46; $M_{\theta\phi}$1.85±.15; $M_{\phi r}$0.57±.75; Best double couple: NP1:ϕ_s67.00000°,δ28.00000°,λ-101.00000°. NP2:ϕ_s259.00000°,δ62.00000°,λ-84.00000°. Principal axes: T 5.7500,Plg17.0000° ,Azm344.0000°; N -2.0600,Plg5.0000°,Azm76.0000°; P -3.6900,Plg72.0000°,Azm182.0000° M_o4.70000×10^{16}
ISC III 15 23 02 58.5–.60 2.37N–.09 95.4W–.10 10 4.7b 72 13-155
ISCJB III 15 23 02 57.1–.73 2.45N–.10 95.3W–.10 10 4.6b,4.4s **¶12703379**
IDC III 15 23 02 57.2–.67 2.40N 95.37W 0 4.5,4.4
NEIC III 15 23 02 58.3–.40 2.35N 95.37W 10 4.9b,4.4
GCMT III 15 23 03 03.7–.40 2.79N 94.94W 12 5.1W,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=10.0km az=146.1.
IDC Error ellipse: s-maj=27.5km s-min=16.0km az=63.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.2km az=64.0.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s19,c23; s74,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.99±.19 $M_{\theta\theta}$4.59±.15; $M_{\phi\phi}$-0.60±.22; $M_{r\theta}$3.72±.59; $M_{\theta\phi}$0.59±.16; $M_{\phi r}$-1.13±.87; Best double couple: NP1:ϕ_s66.00000°,δ27.00000°,λ-121.00000°. NP2:ϕ_s280.00000°,δ67.00000°,λ-75.00000°. Principal axes: T 5.9800,Plg20.0000° ,Azm359.0000°; N -0.2900,Plg14.0000°,Azm94.0000°; P -5.6900,Plg65.0000° ,Azm215.0000° M_o5.80000×10^{16}
ISC III 15 23 04 12.6–.62 2.53N–.10 95.3W–.10 10 4.4b 49 14-155
ISCJB III 15 23 04 10.8–.69 2.51N–.09 95.4W–.10 10 4.3b,3.5s **¶12703381**
IDC III 15 23 04 11.1–.68 2.53N 95.38W 0 4.5,4.3
NEIC III 15 23 04 12.2–.33 2.46N 95.40W 10 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=9.2km az=143.2.
IDC Error ellipse: s-maj=34.4km s-min=15.7km az=65.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.8km az=52.0.
IDC III 18 02 40 30.4–5.9 2.23N 94.60W 0 4.0,3.7
¶12703556
IDC Error ellipse: s-maj=161.0km s-min=98.2km az=96.0.
ISC III 21 11 19 13.2–.56 1.59N–.08 91.1W–.10 10 4.3b,4.1s 58 2-132
ISCJB III 21 11 19 11.3–.48 1.60N–.06 91.0W–.10 10 4.3b,4.0s **¶12599188**
IDC III 21 11 19 12.1–.78 1.85N 90.69W 0 4.1,4.1

NEIC III 21 11 19 13.2–.51 1.56N 91.17W 10 4.5b,4.1
GCMT III 21 11 19 17.0–.30 1.77N 90.87W 21–1 4.9W,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=7.4km az=158.1.
IDC Error ellipse: s-maj=51.5km s-min=14.1km az=61.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=8.1km az=65.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s21,c26; s63,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.12 $M_{\theta\theta}$0.15±.09; $M_{\phi\phi}$0.13±.13; $M_{r\theta}$-0.64±.17; $M_{\theta\phi}$-2.34±.09; $M_{\phi r}$0.31±.19; Best double couple: NP1:ϕ_s1.00000°,δ76.00000°,λ4.00000°. NP2:ϕ_s270.00000°,δ86.00000°,λ166.00000°. Principal axes: T 2.6400,Plg13.0000° ,Azm224.0000°; N -0.4100,Plg75.0000°,Azm74.0000°; P -2.2300,Plg7.0000°,Azm316.0000° M_o2.40000×10^{16}

IDC III 21 19 53 56.2–4.6 1.90N 90.98W 0 3.8s,3.8
¶12635209

IDC Error ellipse: s-maj=278.5km s-min=24.4km az=52.0.
IDC IV 02 01 33 41.3–6.7 2.23S 94.82W 0 3.7,3.7
¶16152251

IDC Error ellipse: s-maj=373.4km s-min=132.5km az=81.0.
IDC V 24 19 34 31.6–9.6 2.20N 93.25W 0 4.0,3.6
¶16156117

IDC Error ellipse: s-maj=1070.0km s-min=148.1km az=77.0.
IDC V 24 19 35 51.5–16 1.84N 95.43W 0 3.9,3.5
¶16156118

IDC Error ellipse: s-maj=1195.0km s-min=149.6km az=87.0.
IDC V 24 20 32 42.0–8.0 2.61N 91.60W 0 3.9,3.5
¶16156123

IDC Error ellipse: s-maj=801.3km s-min=155.8km az=69.0.

(697) Galapagos Islands.

IDC I 15 19 08 37.9–7.1 0.63S 90.62W 0 4.1,3.9
¶12081356

IDC Error ellipse: s-maj=158.9km s-min=130.2km az=28.0.
IDC III 26 03 33 45.7–4.7 1.49S 90.40W 0 3.8,3.6
¶12635610

IDC Error ellipse: s-maj=176.3km s-min=27.4km az=98.0.

(698) Southwest of Galapagos Islands.

IDC III 27 14 40 39.4–42 7.77S 99.73W 0 3.9b,3.8s
¶12635701

IDC Error ellipse: s-maj=1226.0km s-min=147.1km az=138.0.

(699) Southeast of Galapagos Islands.

ISC VI 25 18 25 37.3–.50 10.62S–.07 84.15W–.07 10 4.2b,3.8s 54 7-172
ISCJB VI 25 18 25 35.8–.50 10.54S–.06 84.18W–.06 10 4.1b,3.6s **¶13682024**
IDC VI 25 18 25 35.5–.64 10.55S 84.21W 0 4.3,4.2
NEIC VI 25 18 25 37.2–.36 10.59S 84.19W 10 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=8.5km az=135.7.
IDC Error ellipse: s-maj=23.6km s-min=15.5km az=53.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.3km az=50.0.

(757) Galapagos Triple Junction region.

IDC II 26 00 50 44.9–30 1.84N 101.17W 0 3.8,3.6
¶15957328

IDC Error ellipse: s-maj=1134.0km s-min=139.8km az=110.0.
IDC III 24 11 05 23.6–5.6 0.81N 100.36W 0 4.2,3.9
¶12635459

IDC Error ellipse: s-maj=173.7km s-min=116.4km az=88.0.
IDC III 25 13 51 33.0–.94 1.37N 101.31W 0 4.4,4.2
¶12635561

IDC Error ellipse: s-maj=45.2km s-min=20.3km az=61.0.
ISC III 26 03 05 04.3–.61 1.5N–.10 101.2W–.10 10 4.5b,4.0s 286 17-152
IDC III 26 03 05 02.8–.63 1.53N 101.10W 0 4.4,4.3 **¶12084969**
ISCJB III 26 03 05 03.9–.64 1.59N–.08 100.93W–.09 10 4.5b,3.9s
NEIC III 26 03 05 04.2–.46 1.40N 101.18W 10 4.5b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=16.4km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=8.4km az=141.1.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.4km az=55.0.
IDC V 22 22 09 16.7–8.8 0.51N 100.41W 0 4.3,3.9
¶16156033

IDC Error ellipse: s-maj=316.5km s-min=122.8km az=105.0.
IDC V 23 02 18 05.8–2.3 1.11N 101.92W 0 4.1,3.8
¶16156036

IDC Error ellipse: s-maj=148.5km s-min=25.1km az=65.0.
IDC V 23 22 30 05.5–3.0 1.51N 101.30W 0 4.0,3.7
¶16156065

IDC Error ellipse: s-maj=187.6km s-min=56.7km az=72.0.
IDC V 29 20 43 23.0–2.4 1.21N 101.30W 0 4.3,4.1
¶16156328

IDC Error ellipse: s-maj=152.8km s-min=49.0km az=85.0.

SEISMIC REGION 45.
Macquarie Loop.

(701) West of Macquarie Island.

IDC I 22 13 16 59.8–3.1 55.75S 148.51E 0 4.3,4.1
¶12082054

IDC Error ellipse: s-maj=190.6km s-min=42.5km az=82.0.
IDC I 22 14 54 46.2–2.5 56.10S 146.35E 0 4.2,4.0b
¶12082062

IDC Error ellipse: s-maj=187.2km s-min=38.7km az=84.0.
ISC I 22 16 18 34.5–1.4 56.4S–.20 147.1E–.80 10 4.2b 20 22-152
IDC I 22 16 18 33.9–2.8 56.40S 146.12E 0 4.1,4.0 **¶12082064**
NEIC I 22 16 18 34.6–1.1 56.36S 146.99E 10 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=164.2km s-min=38.7km az=87.0.
NEIC Event type se. Error ellipse: s-maj=90.8km s-min=11.0km az=80.0.
IDC I 22 16 19 04.8–2.7 56.44S 146.61E 0 4.2,4.0b
¶12082065

IDC Error ellipse: s-maj=199.4km s-min=41.4km az=84.0.
IDC I 22 16 21 45.3–2.5 56.32S 147.74E 0 4.1,4.0
¶12082066

IDC Error ellipse: s-maj=155.7km s-min=41.2km az=83.0.
IDC III 12 02 52 12.8–2.5 59.16S 150.97E 0 4.4,4.2b
¶12703041

IDC Error ellipse: s-maj=176.3km s-min=28.3km az=76.0.
IDC III 25 12 10 21.4–1.9 57.51S 146.94E 0 4.3,4.1
¶12635552

IDC Error ellipse: s-maj=157.6km s-min=26.3km az=77.0.
IDC III 30 15 09 09.0–3.6 58.98S 149.59E 0 3.7,3.7
¶12635953

IDC Error ellipse: s-maj=351.4km s-min=30.4km az=75.0.
IDC IV 02 12 43 08.3–2.8 59.15S 148.59E 0 3.8,3.8
¶16152269

IDC Error ellipse: s-maj=205.5km s-min=30.9km az=76.0.
IDC V 25 21 37 41.9–4.7 60.94S 154.65E 0 4.0b,4.0
¶13232181

IDC Error ellipse: s-maj=307.5km s-min=37.0km az=76.0.
ISC VI 14 14 43 46.0–1.0 57.4S–.10 147.5E–.50 10 4.4b,4.2s 22 20-153
ISCJB VI 14 14 43 43.8–.82 57.5S–.20 147E–1.0 10 4.4b,4.0s **¶13681363**
IDC VI 14 14 43 44.4–2.0 57.46S 147.19E 0 4.5,4.3
NEIC VI 14 14 43 45.9–.96 57.47S 147.32E 10 4.8b,4.3
GCMT VI 14 14 43 47.4–.30 57.42S 147.55E 14–2 5.0W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=93.1km s-min=10.9km az=167.7.
IDC Error ellipse: s-maj=181.4km s-min=18.7km az=80.0.
NEIC Event type se. Error ellipse: s-maj=97.1km s-min=12.4km az=79.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s24,c27; s65,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.15 $M_{\theta\theta}$1.53±.12; $M_{\phi\phi}$-1.26±.12; $M_{r\theta}$-0.73±.28; $M_{\theta\phi}$-3.19±.13; $M_{\phi r}$0.01±.26; Best double couple: NP1:ϕ_s348.00000°,δ79.00000°,λ1.00000°. NP2:ϕ_s258.00000°,δ89.00000°,λ169.00000°. Principal axes: T 3.7100,Plg9.0000° ,Azm213.0000°; N -0.3200,Plg79.0000°,Azm72.0000°; P -3.4000,Plg7.0000°,Azm304.0000° M_o3.60000×10^{16}

IDC VI 22 21 19 16.3–2.9 52.09S 139.16E 0 4.1,3.9
¶16101622

IDC Error ellipse: s-maj=113.9km s-min=43.4km az=98.0.
IDC VI 28 18 23 39.0–1.9 54.64S 144.37E 0 3.9,3.7
¶16101832

IDC Error ellipse: s-maj=221.1km s-min=20.1km az=79.0.

(702) Balleny Islands region.

IDC I 15 17 24 17.9–2.1 61.42S 155.79E 0 4.3,4.1
¶12081351

IDC Error ellipse: s-maj=111.4km s-min=32.3km az=83.0.
ISC I 31 04 33 41.7–.44 61.22S–.08 154.2E–.10 10 4.6b,4.6s 66 8-153
ISCJB I 31 04 33 39.7–.50 61.22S–.07 154.2E–.20 10 4.6b,4.6s **¶11713960**
IDC I 31 04 33 40.9–.65 61.16S 153.94E 0 4.7,4.6
NEIC I 31 04 33 41.6–.38 61.26S 154.04E 10 4.8b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=9.3km az=169.9.
IDC Error ellipse: s-maj=35.7km s-min=16.6km az=74.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=8.7km az=79.0.
ISC II 18 03 30 35.2–.77 61.68S–.05 154.91E–.08 10–4 5.2b,5.1s 273 8-159
ISCJB II 18 03 30 33.6–.32 61.65S–.04 154.7E–.10 10 5.2s,5.1b **¶11682578**
BJI II 18 03 30 33.9 61.49S 155.42E 7 5.9b,5.8b
IDC II 18 03 30 33.5–.43 61.71S 154.35E 0 5.1,5.0s
NEIC II 18 03 30 34.8–.21 61.71S 154.75E 10 5.2b,5.0s
DJA II 18 03 30 34 61.53S 156.40E 10 5.4b,5.0s
MOS II 18 03 30 38.6–1.7 61.38S 154.75E 33 5.0b,5.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.3km az=178.5.
IDC Error ellipse: s-maj=25.1km s-min=12.2km az=70.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.7km az=81.0.
MOS Error ellipse: s-maj=37.7km s-min=10.3km az=96.6.
ISC II 18 13 44 55.7–1.0 61.6S–.20 154.2E–.60 10 4.3s,3.9b 17 16-158
ISCJB II 18 13 44 53.9–1.3 61.6S–.30 154E–2.0 10 4.3s,4.2b **¶11789791**
NEIC II 18 13 44 55.7–.69 61.58S 154.18E 10 4.6b,4.2b
IDC II 18 13 44 55.5–2.6 61.56S 153.43E 0 4.3s,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=120.4km s-min=14.8km az=162.7.
NEIC Event type se. Error ellipse: s-maj=64.5km s-min=12.6km az=71.0.
IDC Error ellipse: s-maj=211.2km s-min=46.0km az=72.0.
ISC III 14 07 53 27.1–.50 63.13S–.08 171.7E–.20 10 4.5b,4.2s 48 15-161
ISCJB III 14 07 53 25.0–.55 63.12S–.07 170.8E–.30 10 4.3b,4.2s **¶12085983**
IDC III 14 07 53 25.0–.69 62.76S 171.98E 0 4.3,4.2
NEIC III 14 07 53 27.5–.48 63.19S 171.59E 10 4.8b,4.2
GCMT III 14 07 53 28.6–.30 63.13S 170.94E 12 5.0W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=9.5km az=170.6.
IDC Error ellipse: s-maj=32.8km s-min=19.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=9.6km az=89.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s23,c25; s70,c91; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.44±.17 $M_{\theta\theta}$3.81±.13; $M_{\phi\phi}$-3.37±.15; $M_{r\theta}$-2.95±.43; $M_{\theta\phi}$-0.25±.16; $M_{\phi r}$0.82±.46; Best double couple: NP1:ϕ_s222.00000°,δ56.00000°,λ174.00000°. NP2:ϕ_s316.00000°,δ85.00000°,λ34.00000°. Principal axes: T 5.3600,Plg27.0000° ,Azm184.0000°; N -1.7300,Plg55.0000°,Azm323.0000°; P -3.6300,Plg19.0000° ,Azm84.0000° M_o4.50000×10^{16}
ISC III 16 10 58 47.3–.78 63.3S–.10 170.9E–.20 10 4.2b,4.2s 33 15-156
ISCJB III 16 10 58 46.2–1.1 63.3S–.10 170.5E–.60 10 4.3b,4.2s **¶12599159**
IDC III 16 10 58 46.0–.95 63.29S 170.89E 0 4.5,4.3
NEIC III 16 10 58 47.2–.63 63.25S 170.86E 10 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=39.4km s-min=11.6km az=162.4.
IDC Error ellipse: s-maj=45.4km s-min=22.4km az=65.0.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=9.4km az=74.0.
IDC III 21 09 38 23.3–1.5 65.16S 177.76E 0 4.2s,4.2
¶12599185

IDC Error ellipse: s-maj=64.0km s-min=25.2km az=67.0.
IDC III 21 10 33 04.3–5.0 64.95S 179.10E 0 3.9s,3.9
¶12599187

IDC Error ellipse: s-maj=166.0km s-min=27.6km az=69.0.
ISC III 25 20 25 12.4–.47 62.09S–.08 155.6E–.20 10 4.5b,4.4s 59 8-153
ISCJB III 25 20 25 10.7–.51 62.00S–.07 155.7E–.30 10 4.5s,4.4b **¶12635589**
IDC III 25 20 25 11.3–.61 62.06S 155.40E 0 4.5s,4.5
NEIC III 25 20 25 12.6–.46 62.01S 155.61E 10 4.9b,4.5
GCMT III 25 20 25 17.7–.20 62.13S 154.82E 14–1 5.2W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=9.4km az=2.5.
IDC Error ellipse: s-maj=33.8km s-min=17.6km az=76.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=12.7km az=90.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c83; s77,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.59±.20 $M_{\theta\theta}$7.12±.20; $M_{\phi\phi}$-6.53±.20; $M_{r\theta}$-0.43±.33; $M_{\theta\phi}$-5.64±.17; $M_{\phi r}$0.75±.37; Best double couple: NP1:ϕ_s245.00000°,δ84.00000°,λ-180.00000°. NP2:ϕ_s155.00000°,δ90.00000°,λ-6.00000°. Principal axes: T 9.1900,Plg4.0000° ,Azm200.0000°; N -0.6000,Plg84.0000°,Azm334.0000°; P -8.6000,Plg4.0000° ,Azm110.0000° M_o8.90000×10^{16}
IDC III 27 00 36 51.5–11 61.69S 161.88E 0 3.9,3.9
¶12635664

IDC Error ellipse: s-maj=509.3km s-min=42.2km az=76.0.
ISC III 28 00 43 17.3–3.2 62.3S–.30 165.8E–1.0 10 4.1s,4.0b 16 15-96
IDC III 28 00 43 15.2–3.9 62.18S 166.22E 0 4.1L,4.1 **¶12635731**
NEIC III 28 00 43 19.1–4.6 62.39S 164.55E 10 4.6b,4.1
GCMT III 28 00 43 22.6–.30 62.25S 165.44E 12 5.0W,4.1
ISC Event type se.
IDC Error ellipse: s-maj=188.2km s-min=20.2km az=72.0.
NEIC Event type se. Error ellipse: s-maj=207.0km s-min=10.7km az=74.0.
GCMT Event type se. Data Used: IU II G IC. Moment Tensor Solution. s19,c21; s53,c73; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35±.14 $M_{\theta\theta}$3.15±.10; $M_{\phi\phi}$-2.81±.13; $M_{r\theta}$-2.21±.34; $M_{\theta\phi}$-0.92±.11; $M_{\phi r}$0.46±.37; Best double couple: NP1:ϕ_s230.00000°,δ69.00000°,λ164.00000°. NP2:ϕ_s326.00000°,δ75.00000°,λ22.00000°. Principal axes: T 4.3700,Plg26.0000° ,Azm189.0000°; N -1.4200,Plg64.0000°,Azm359.0000°; P -2.9600,Plg4.0000°,Azm97.0000° M_o3.70000×10^{16}
ISC IV 01 17 03 12.5–1.1 63.2S–.10 149.2E–.60 10 4.1b 18 15-157
IDC IV 01 17 03 11.7–1.4 63.19S 148.10E 0 4.2,4.1 **¶16152233**
ISC Event type ke.
IDC Error ellipse: s-maj=98.8km s-min=18.1km az=85.0.
ISC IV 02 21 09 08.5–.74 61.9S–.10 160.3E–.30 10 4.3s,4.1b 41 10-151
IDC IV 02 21 09 07.2–.86 61.83S 160.31E 0 4.3,4.3 **¶12746749**
NEIC IV 02 21 09 08.4–.59 61.83S 160.15E 10 4.7b,4.3
GCMT IV 02 21 09 10.8–.30 61.67S 160.85E 19–1 5.0W,4.3
ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=17.4km az=72.0.
NEIC Event type se. Error ellipse: s-maj=33.6km s-min=9.0km az=75.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s26,c30; s74,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.34±.20 $M_{\theta\theta}$3.75±.16; $M_{\phi\phi}$-3.41±.14; $M_{r\theta}$-1.06±.33; $M_{\theta\phi}$-1.11±.13; $M_{\phi r}$0.92±.35; Best double couple: NP1:ϕ_s233.00000°,δ70.00000°,λ179.00000°. NP2:ϕ_s324.00000°,δ89.00000°,λ20.00000°. Principal axes: T 4.2300,Plg15.0000° ,Azm190.0000°; N -0.4800,Plg70.0000°,Azm327.0000°; P -3.7500,Plg13.0000° ,Azm97.0000° M_o4.00000×10^{16}
IDC IV 03 23 42 18.2–3.5 62.77S 155.03E 0 4.0,3.9
¶16152333

IDC Error ellipse: s-maj=238.3km s-min=41.0km az=73.0.
ISC IV 04 07 19 42.2–.28 62.70S–.05 155.47E–.07 10 5.7s,5.2b 306 8-168
IDC IV 04 07 19 39.6–.43 62.56S 155.27E 0 5.6s,5.6 **¶12088191**
ISCJB IV 04 07 19 40.4–.30 62.53S–.04 155.2E–.10 10 5.6s,5.1b
NEIC IV 04 07 19 41.7–.25 62.60S 155.12E 10 5.9W,5.7s
MOS IV 04 07 19 41.5–1.8 62.26S 155.57E 10 5.6s,5.3b
DJA IV 04 07 19 42.7–.40 63S–4.0 156E–11 10 7.0,6.4
GCMT IV 04 07 19 46.2–.10 62.49S 155.23E 12 5.9W,6.4
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=11.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=6.6.

NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.6km az=89.0. Moment Tensor Solution. s13 Moment tensor: Scale 10^{17}Nm; M_{rr}3.13 $M_{\theta\theta}$6.24 $M_{\phi\phi}$-9.36 $M_{r\theta}$-0.57 $M_{\theta\phi}$-3.82 $M_{\phi r}$-2.33 Best double couple: NP1:ϕ_s58.00000°,δ83.00000°,λ-173.00000°. NP2:ϕ_s328.00000°,δ83.00000°,λ-7.00000°. Principal axes: T 7.1000,Plg0.0000°,Azm192.0000° ; N 3.6000,Plg80.0000°,Azm100.0000°; P -10.7000,Plg9.0000°,Azm283.0000° $M_0$9.40000×10^{17}

MOS Error ellipse: s-maj=33.2km s-min=9.9km az=94.1.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=101, comp=201, per= 50. Moment Tensor Solution. s108,c204; s84,c113; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64±.08 $M_{\theta\theta}$7.88±.07; $M_{\phi\phi}$-7.24±.08; $M_{r\theta}$-0.49±.21; $M_{\theta\phi}$-5.66±.07; $M_{\phi r}$-0.30±.22; Best double couple: NP1:ϕ_s333.00000°,δ86.00000°,λ-1.00000°. NP2:ϕ_s63.00000°,δ89.00000°,λ-176.00000°. Principal axes: T 9.7800,Plg2.0000°,Azm198.0000°; N -0.6300,Plg86.0000°,Azm74.0000° ; P -9.1500,Plg3.0000°,Azm288.0000° $M_0$9.50000×10^{17}

IDC IV 21 19 29 40.7–5.6 61.05S 158.75E 0 4.0,3.9s
¶16153224

IDC Error ellipse: s-maj=257.1km s-min=38.2km az=76.0.

IDC V 05 01 24 57.8–3.5 63.14S 155.62E 0 4.2,4.1
¶16154914

IDC Error ellipse: s-maj=246.8km s-min=39.2km az=74.0.

IDC V 09 16 00 30.1–4.6 62.41S 154.37E 0 4.2,4.2L
¶16155551

IDC Error ellipse: s-maj=298.3km s-min=41.0km az=76.0.

IDC V 18 15 53 42.9–1.3 64.31S 174.46E 0 4.4L,4.3
¶16155876

IDC Error ellipse: s-maj=53.4km s-min=21.7km az=62.0.

ISC	**V**	**25 06 40 13.1–.46**	**62.21S–.07**	**164.46E–.08**	**10**	**5.0s,4.8b**	**51**	**11-171**
ISCJB	V	25 06 40 12.6–.42	62.26S–.05	165.0E–.20	10	5.0s,4.6b		**¶12871322**
IDC	V	25 06 40 12.1–.69	62.21S	164.52E	0	4.9,4.9s		
NEIC	V	25 06 40 14.3–.40	62.32S	165.06E	10	5.1b,5.0s		
GCMT	V	25 06 40 17.8–.10	62.24S	165.23E	14–1	5.5W,5.0s		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.8km az=3.4.

IDC Error ellipse: s-maj=27.9km s-min=16.6km az=79.0.

NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.7km az=85.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=179, per= 50. Moment Tensor Solution. s88,c143; s43,c43; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15±.03 $M_{\theta\theta}$2.43±.04; $M_{\phi\phi}$-2.28±.04; $M_{r\theta}$-0.61±.09; $M_{\theta\phi}$-0.43±.03; $M_{\phi r}$0.09±.07; Best double couple: NP1:ϕ_s229.00000°,δ80.00000°,λ172.00000°. NP2:ϕ_s321.00000°,δ82.00000°,λ10.00000°. Principal axes: T 2.6100,Plg13.0000°,Azm185.0000°; N -0.2900,Plg77.0000°,Azm0.0000° ; P -2.3200,Plg1.0000°,Azm95.0000° $M_0$2.50000×10^{17}

ISC	**V**	**26 05 06 08.6–.60**	**62.25S–.10**	**165.0E–.20**	**10**	**4.4b,4.2s**	**30**	**15-138**
ISCJB	V	26 05 06 07.1–.52	62.23S–.07	165.0E–.30	10	4.3b,4.3s		**¶13232182**
IDC	V	26 05 06 07.1–.77	62.27S	165.03E	0	4.5,4.5L		
NEIC	V	26 05 06 08.6–.31	62.25S	165.06E	10	4.8b,4.5L		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=8.9km az=169.9.

IDC Error ellipse: s-maj=51.9km s-min=18.1km az=58.0.

NEIC Event type se. Error ellipse: s-maj=14.4km s-min=6.3km az=80.0.

IDC V 27 15 20 06.0–12 62.52S 162.56E 0 3.8,3.7
¶16156228

IDC Error ellipse: s-maj=546.1km s-min=44.2km az=76.0.

SEISMIC REGION 46.
Andaman Islands to Sumatera.

(703) Andaman Islands region.

ISC	**I**	**04 13 22 14.2–.60**	**10.21N–.09**	**93.95E–.10**	**25**	**4.1b**	**74**	**8-137**
IDC	I	04 13 22 10.5–.71	10.27N	93.86E	0	4.0b,4.0		**¶12080202**
ISCJB	I	04 13 22 12.2–.46	10.18N–.07	93.98E–.08	25	4.1b,4.0		
NEIC	I	04 13 22 15.6–.34	10.25N	93.94E	35	4.9b,4.0		

ISC Event type se.

IDC Error ellipse: s-maj=23.2km s-min=15.0km az=55.0.

ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=6.1km az=141.9.

NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.4km az=53.0.

IDC I 06 06 49 50.0–8.4 10.33N 93.19E 102–72 4.7L,3.8
¶12080473

IDC Error ellipse: s-maj=68.7km s-min=12.9km az=56.0.

IDC I 12 01 49 57.5–1.1 12.08N 92.40E 0 4.0L,3.7
¶12081077

IDC Error ellipse: s-maj=36.7km s-min=22.2km az=49.0.

IDC I 19 11 54 43.3–7.6 10.90N 91.94E 0 3.4,3.2b
¶12081751

IDC Error ellipse: s-maj=391.5km s-min=27.9km az=60.0.

IDC I 28 05 08 42.5–1.5 13.50N 92.81E 0 4.0L,3.9
¶12082544

IDC Error ellipse: s-maj=51.2km s-min=21.7km az=63.0.

ISC	**I**	**28 20 29 56.9–.32**	**13.68N–.04**	**92.85E–.03**	**34–0**	**5.2b,4.6s**	**769**	**8-161**
SZGRF	I	28 20 29 45.3	12.01N	92.90E	33	5.4b,4.6s		**¶13434062**
BJI	I	28 20 29 53.0	13.26N	92.73E	44	4.8b,4.7s		
ISCJB	I	28 20 29 54.3–.15	13.63N–.03	92.81E–.02	30	5.1b,4.7s		
MOS	I	28 20 29 54.6–.86	13.66N	92.85E	33	5.4b,4.6s		
NEIC	I	28 20 29 56.9–.16	13.73N	92.82E	35	5.2b,4.8s		
IDC	I	28 20 29 56.0–.58	13.64N	92.86E	28–3	4.9,4.8		
DJA	I	28 20 29 59	13.59N	92.84E	55	5.3b,4.8		

ISC Event type se.

SZGRF Andaman Islands, India, region.

ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=16.0.

MOS Error ellipse: s-maj=7.7km s-min=3.8km az=120.6.

NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.5km az=218.0.

IDC Error ellipse: s-maj=13.2km s-min=9.9km az=48.0.

IDC I 28 23 27 17.1–1.1 13.54N 92.77E 30–6 4.0s,4.0
¶12082618

IDC Error ellipse: s-maj=38.6km s-min=18.5km az=51.0.

ISC	**I**	**29 10 23 23.5–.67**	**11.70N–.10**	**95.0E–.10**	**24**	**4.2b,3.6s**	**73**	**2-121**
IDC	I	29 10 23 19.8–.74	11.72N	94.94E	0	4.2,4.2b		**¶12082660**
ISCJB	I	29 10 23 21.7–.50	11.71N–.07	95.03E–.08	24	4.2b,3.5s		
NEIC	I	29 10 23 23.9–.33	11.71N	95.01E	27	4.4b,3.5s		

ISC Event type se.

IDC Error ellipse: s-maj=25.4km s-min=14.1km az=54.0.

ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=6.8km az=141.3.

NEIC Event type se. Error ellipse: s-maj=9.8km s-min=4.8km az=53.0.

IDC I 30 06 34 22.3–1.7 10.09N 91.28E 0 4.0L,3.9
¶12082723

IDC Error ellipse: s-maj=60.1km s-min=21.2km az=65.0.

ISC	**I**	**31 04 27 35.9–.24**	**11.81N–.03**	**94.92E–.04**	**25**	**5.1b,4.5s**	**849**	**6-166**
BJI	I	31 04 27 31.2	11.47N	94.96E	27	5.3b,5.1b		**¶13434090**
ISCJB	I	31 04 27 34.4–.14	11.84N–.02	94.96E–.02	26	5.0b,4.5s		
IDC	I	31 04 27 35.8–.38	11.80N	94.94E	25–2	4.8L,4.7		
MOS	I	31 04 27 35.3–.85	11.87N	94.98E	33	5.3b,4.7		
NEIC	I	31 04 27 35.8–.15	11.80N	94.96E	26	5.1b,4.7		
TEH	I	31 04 27 36.0	11.79N	94.99E	26	5.1L,4.7		
SZGRF	I	31 04 27 37.7	11.76N	94.61E	28	5.2b,4.4s		
DJA	I	31 04 27 42	11.64N	95.47E	21	5.1b,4.4s		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.9km az=37.0.

IDC Error ellipse: s-maj=12.6km s-min=9.0km az=50.0.

MOS Error ellipse: s-maj=8.0km s-min=4.1km az=113.9.

NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.3km az=51.0.

SZGRF Andaman Islands, India, region.

IDC I 31 07 19 21.2–9.0 13.50N 92.71E 0 3.8,3.6b
¶12082796

IDC Error ellipse: s-maj=529.6km s-min=22.8km az=60.0.

ISC	**I**	**31 19 55 20.9–1.2**	**11.8N–.20**	**93.5E–.20**	**10**	**3.7b**	**13**	**8-74**
IDC	I	31 19 55 19.4–1.2	11.84N	93.47E	0	3.9L,3.7		**¶12082850**

ISC Event type ke.

IDC Error ellipse: s-maj=42.6km s-min=20.8km az=59.0.

ISC	**I**	**31 20 05 13.0–1.3**	**12.4N–.10**	**92.8E–.10**	**26**	**3.6b**	**15**	**8-54**
IDC	I	31 20 05 08.6–1.9	12.28N	92.67E	0	3.7,3.6b		**¶12082853**
ISCJB	I	31 20 05 11.4–.93	12.42N–.09	92.89E–.08	26	3.5b,3.3s		

ISC Event type ke.

ISCJB Event type ke.

IDC II 06 06 00 30.8–13 10.42N 90.95E 0 3.7,3.5
¶15955128

IDC Error ellipse: s-maj=680.0km s-min=30.4km az=60.0.

IDC II 08 14 10 29.6–1.1 11.17N 91.73E 0 3.9,3.7
¶15955219

IDC Error ellipse: s-maj=39.1km s-min=18.3km az=55.0.

ISC	**II**	**08 15 11 45.3–2.6**	**12.0N–.30**	**93.9E–.20**	**100**	**3.6b**	**15**	**8-75**
IDC	II	08 15 11 47.0–6.5	12.34N	93.64E	94–57	3.6L,3.5		**¶15955221**

ISC Event type ke.

IDC Error ellipse: s-maj=44.5km s-min=23.8km az=57.0.

ISC	**II**	**10 19 03 09.6–1.1**	**11.5N–.10**	**95.1E–.10**	**35**	**3.7b,3.4s**	**22**	**8-72**
IDC	II	10 19 03 05.3–1.1	11.57N	95.29E	0	3.7,3.7L		**¶15955367**
ISCJB	II	10 19 03 07.5–.79	11.50N–.08	95.09E–.09	33	3.7b,3.4s		

ISC Event type ke.

ISCJB Event type ke.

IDC II 16 15 40 35.7–1.2 10.55N 91.46E 25–4 3.6,3.5b
¶15956283

IDC Error ellipse: s-maj=47.3km s-min=14.9km az=60.0.

ISC	**II**	**16 19 06 25.0–.81**	**10.7N–.10**	**91.64E–.10**	**17**	**4.0b**	**29**	**10-88**
IDC	II	16 19 06 22.3–.75	10.68N	91.60E	0	4.1,4.0		**¶13434680**
ISCJB	II	16 19 06 23.0–.63	10.69N–.08	91.64E–.08	17	4.0b,3.4s		

ISC Event type ke.

ISCJB Event type ke.

IDC II 16 19 20 58.2–2.5 10.21N 90.82E 0 3.6,3.5b
¶15956301

IDC Error ellipse: s-maj=69.7km s-min=30.2km az=68.0.

IDC II 16 20 02 54.9–3.3 11.14N 92.06E 0 3.5,3.3
¶15956303

IDC Error ellipse: s-maj=127.9km s-min=23.2km az=66.0.

ISC	**II**	**17 21 38 08.9–.00**	**10.9N–.10**	**91.8E–.10**	**27**	**3.9b**	**33**	**10-64**
IDC	II	17 21 38 04.6–1.1	10.80N	91.67E	0	3.9,3.9b		**¶12083286**
ISCJB	II	17 21 38 07.0–.70	10.90N–.09	91.9E–.10	27	3.9b,3.9b		
NEIC	II	17 21 38 10.0–.56	10.91N	91.77E	35	4.2b,3.9b		

ISC Event type se.

IDC Error ellipse: s-maj=42.9km s-min=14.7km az=60.0.

ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=8.1km az=147.8.

NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.4km az=60.0.

IDC II 20 21 41 34.2–1.6 11.11N 92.44E 0 3.6,3.5L
¶15956841

IDC Error ellipse: s-maj=54.1km s-min=25.2km az=64.0.

IDC II 22 21 08 57.8–1.9 11.76N 95.40E 0 3.5,3.5b
¶15956972

IDC Error ellipse: s-maj=67.1km s-min=24.6km az=58.0.

IDC II 26 15 30 01.6–6.8 10.85N 93.46E 110–60 3.6,3.5
¶15957363

IDC Error ellipse: s-maj=52.9km s-min=15.4km az=54.0.

ISC	**II**	**26 15 32 30.6–.55**	**13.11N–.07**	**92.34E–.06**	**31–3**	**4.0b**	**89**	**8-149**
IDC	II	26 15 32 30.6–.53	13.01N	92.26E	30–3	3.9,3.8		**¶12701937**
NEIC	II	26 15 32 30.9–.47	13.18N	92.29E	35	4.4b,3.8		

ISC Event type se.

IDC Error ellipse: s-maj=20.3km s-min=10.1km az=58.0.

NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.9km az=56.0.

IDC III 05 21 08 26.8–9.3 10.51N 91.24E 0 3.7s,3.7
¶12702519

IDC Error ellipse: s-maj=470.1km s-min=29.1km az=60.0.

IDC III 06 14 22 29.9–1.6 14.58N 96.46E 0 4.6L,3.8b
¶12702569

IDC Error ellipse: s-maj=58.0km s-min=27.4km az=63.0.

IDC III 10 18 00 17.2–7.7 12.55N 91.98E 59–67 3.8,3.7L
¶12702894

IDC Error ellipse: s-maj=57.6km s-min=15.0km az=57.0.

IDC III 11 11 02 17.0–8.9 10.48N 91.26E 0 3.6,3.4b
¶12702964

IDC Error ellipse: s-maj=444.2km s-min=30.4km az=60.0.

ISC	**III**	**11 12 58 44.5–.39**	**10.70N–.04**	**91.74E–.04**	**16–1**	**4.8b,4.6s**	**418**	**6-134**
BJI	III	11 12 58 39.7	10.47N	91.69E	8	5.2b,4.9s		**¶13436008**
ISCJB	III	11 12 58 42.3–.90	10.67N–.03	91.71E–.03	14–5	4.7b,4.5s		
IDC	III	11 12 58 42.2–.46	10.72N	91.69E	0	4.4,4.4b		
NEIC	III	11 12 58 43.3–.20	10.67N	91.69E	10	5.0b,4.4b		
DJA	III	11 12 58 45.2–.40	10N–4.0	92E–5.0	10	5.4b,5.1		
MOS	III	11 12 58 45.2–.91	10.72N	91.74E	33	5.1b,4.5s		
GCMT	III	11 12 58 47.1–.30	10.85N	91.95E	15	5.1W,4.5s		
SZGRF	III	11 12 58 52.8	12.80N	92.55E	33	4.6b,4.5s		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.9km az=32.9.

IDC Error ellipse: s-maj=18.1km s-min=9.8km az=47.0.

NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=221.0.

MOS Error ellipse: s-maj=10.1km s-min=4.9km az=116.8.

GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s35,c50; s68,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.88±.11 $M_{\theta\theta}$-0.18±.09; $M_{\phi\phi}$3.06±.09; $M_{r\theta}$1.33±.38; $M_{\theta\phi}$0.84±.09; $M_{\phi r}$-4.88±.32; Best double couple: NP1:ϕ_s214.00000°,δ20.00000°,λ-47.00000°. NP2:ϕ_s350.00000°,δ76.00000°,λ-104.00000°. Principal axes: T 5.8000,Plg29.0000° ,Azm91.0000°; N 0.2400,Plg13.0000°,Azm353.0000°; P -6.0400,Plg57.0000°,Azm241.0000° $M_0$5.90000×10^{16}

SZGRF Andaman Islands, India, region.

ISC	**III**	**11 14 31 51.7–.97**	**11.1N–.10**	**92.5E–.20**	**26**	**4.3b**	**19**	**10-69**
IDC	III	11 14 31 48.1–1.2	11.37N	92.87E	0	4.0,3.9b		**¶12702973**
ISCJB	III	11 14 31 49.2–.78	11.2N–.10	92.6E–.20	26	4.1b,3.9b		
NEIC	III	11 14 31 52.5–.86	11.18N	92.53E	35	4.5b,3.9b		

ISC Event type se.

IDC Error ellipse: s-maj=84.5km s-min=17.9km az=53.0.

ISCJB Event type se. Error ellipse: s-maj=24.0km s-min=12.7km az=149.2.

NEIC Event type se. Error ellipse: s-maj=26.9km s-min=14.7km az=60.0.

IDC III 11 15 33 21.2–11 11.26N 92.95E 0 3.8s,3.8
¶12702979

IDC Error ellipse: s-maj=647.7km s-min=23.1km az=59.0.

ISC	**III**	**12 16 34 47.0–.73**	**11.0N–.10**	**91.8E–.10**	**27**	**3.9b**	**33**	**10-88**
IDC	III	12 16 34 42.7–.79	10.97N	91.75E	0	3.9,3.8b		**¶12703089**
ISCJB	III	12 16 34 44.8–.58	11.00N–.09	91.8E–.10	27	3.9b,3.8b		
NEIC	III	12 16 34 44.3–.43	10.96N	91.78E	10	4.2b,3.8b		

ISC Event type se.

IDC Error ellipse: s-maj=33.5km s-min=15.1km az=56.0.

ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=9.7km az=139.1.

NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.7km az=56.0.

IDC III 13 01 02 42.5–1.7 12.70N 92.63E 0 4.0L,3.8
¶12703125

IDC Error ellipse: s-maj=63.0km s-min=21.2km az=62.0.

ISC	**III**	**15 15 51 51.7–.87**	**12.20N–.10**	**92.7E–.10**	**23**	**3.7b**	**22**	**9-74**
IDC	III	15 15 51 48.0–.92	12.17N	92.69E	0	3.9L,3.8		**¶12703361**
ISCJB	III	15 15 51 49.8–.73	12.20N–.07	92.83E–.08	23	3.6b,3.8		

ISC Event type ke.

ISCJB Event type ke.

IDC III 20 16 30 33.6–7.5 10.43N 91.31E 0 3.7s,3.7
¶12703835

IDC Error ellipse: s-maj=363.4km s-min=23.8km az=61.0.

ISC	**III**	**20 19 14 26.8–1.7**	**10.4N–.20**	**93.7E–.20**	**100**	**4.0b**	**25**	**9-77**
IDC	III	20 19 14 29.3–5.4	10.59N	93.74E	119–50	3.8,3.7		**¶12703848**

ISC Event type ke.

IDC Error ellipse: s-maj=56.2km s-min=31.3km az=110.0.

ISC	**III**	**21 14 10 05.1–.62**	**10.91N–.09**	**91.79E–.08**	**27**	**3.7b**	**34**	**10-93**
ISCJB	III	21 14 10 02.9–.56	10.84N–.07	91.77E–.06	27	3.7b		**¶12612715**
IDC	III	21 14 10 05.7–.88	11.07N	92.05E	27–4	3.7,3.6		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.9km az=32.2.

IDC Error ellipse: s-maj=36.9km s-min=11.2km az=59.0.

ISC	**III**	**23 13 44 45.3–.52**	**10.84N–.06**	**91.73E–.05**	**32–2**	**4.4b,3.8s**	**148**	**10-146**
BJI	III	23 13 44 42.3	10.61N	91.79E	36	4.9b,4.6b		**¶12056125**
NEIC	III	23 13 44 44.6–.29	10.88N	91.84E	25	4.5b,4.6b		
IDC	III	23 13 44 44.9–.58	10.91N	91.80E	26–3	4.3L,4.2		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.8km az=57.0.

IDC Error ellipse: s-maj=20.4km s-min=12.7km az=58.0.
ISC III 29 10 39 36.9–.63 13.09N–.09 93.16E–.08 50 3.9b,3.2s 36 6-90
ISCJB III 29 10 39 35.2–.55 13.07N–.06 93.23E–.05 50 3.9b,3.3s ¶12612781
IDC III 29 10 39 36.6–.64 13.06N 93.20E 46–5 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=7.6km az=10.9.
IDC Error ellipse: s-maj=16.4km s-min=11.6km az=51.0.
IDC III 30 01 52 13.8–.92 14.61N 93.46E 0 3.8L,3.8
¶12635901
IDC Error ellipse: s-maj=33.2km s-min=18.1km az=59.0.
IDC III 31 00 46 52.7–1.8 13.02N 93.04E 0 4.0L,3.8
¶12635994
IDC Error ellipse: s-maj=63.2km s-min=21.9km az=64.0.
IDC IV 01 20 07 40.3–22 10.02N 92.88E 0 3.5b,3.4
¶16152240
IDC Error ellipse: s-maj=388.6km s-min=77.1km az=163.0.
IDC IV 05 03 13 39.4–8.7 10.93N 91.11E 0 3.6,3.4
¶16152397
IDC Error ellipse: s-maj=437.3km s-min=29.8km az=60.0.
IDC IV 08 22 20 20.3–1.0 11.01N 94.88E 0 3.7,3.6L
¶16152565
IDC Error ellipse: s-maj=39.2km s-min=18.8km az=56.0.
IDC IV 10 14 43 52.0–1.3 12.08N 95.74E 0 3.6,3.5
¶16152628
IDC Error ellipse: s-maj=47.2km s-min=20.8km az=62.0.
ISC IV 19 18 07 11.4–.83 12.4N–.10 95.2E–.10 19 4.4b 43 7-91
IDC IV 19 18 07 08.5–.78 12.44N 95.02E 0 3.9,3.8b ¶12610743
ISCJB IV 19 18 07 09.4–.59 12.45N–.07 95.28E–.08 19 4.3b,3.8b
NEIC IV 19 18 07 10.2–.43 12.50N 95.13E 10 4.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=18.0km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=10.1km az=169.9.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.1km az=114.0.
IDC IV 19 18 52 31.7–7.4 11.93N 95.13E 0 3.3,3.3b
¶16153085
IDC Error ellipse: s-maj=161.0km s-min=38.1km az=145.0.
IDC IV 23 12 46 39.9–5.0 13.14N 92.32E 0 4.1,4.0b
¶16153302
IDC Error ellipse: s-maj=113.8km s-min=47.5km az=108.0.
IDC IV 24 00 32 13.1–2.0 11.31N 95.22E 0 3.8,3.7
¶16153318
IDC Error ellipse: s-maj=96.6km s-min=21.9km az=60.0.
IDC IV 24 00 49 33.0–2.1 10.38N 93.65E 0 4.4L,3.8
¶16153320
IDC Error ellipse: s-maj=77.8km s-min=23.8km az=65.0.
ISC IV 24 03 58 34.4–.87 11.8N–.10 95.0E–.10 21 3.9b,3.5s 43 8-91
IDC IV 24 03 58 31.3–.91 11.83N 94.92E 0 4.1L,4.0 ¶12936106
ISCJB IV 24 03 58 33.0–.63 11.83N–.08 95.13E–.09 21 3.9b,3.6s
NEIC IV 24 03 58 35.8–5.5 11.87N 95.01E 29–37 4.5b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=17.9km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=8.5km az=137.6.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=9.5km az=50.0.
IDC IV 27 10 12 43.2–12 10.70N 91.65E 0 3.6,3.4
¶16154554
IDC Error ellipse: s-maj=657.2km s-min=28.6km az=60.0.
IDC IV 27 14 03 59.5–8.6 10.50N 94.20E 0 3.6,3.5
¶16154562
IDC Error ellipse: s-maj=504.8km s-min=24.0km az=59.0.
IDC IV 29 03 19 07.3–1.1 12.91N 92.32E 0 4.0L,3.8
¶16154607
IDC Error ellipse: s-maj=31.3km s-min=20.1km az=49.0.
IDC IV 30 13 17 27.1–.64 13.03N 92.67E 0 4.1,4.0
¶13439225
IDC Error ellipse: s-maj=22.8km s-min=15.6km az=55.0.
ISC V 09 02 51 17.4–.30 11.66N–.03 91.97E–.04 30–1 4.7b,3.9s 423 1-169
IDC V 09 02 51 12.7–.39 11.73N 92.10E 0 4.5,4.5L ¶13439432
BJI V 09 02 51 13.1 11.55N 91.88E 16 4.7b,4.5b
ISCJB V 09 02 51 14.9–.74 11.64N–.02 91.94E–.03 26–5 4.7b,3.9s
MOS V 09 02 51 16.6–1.0 11.85N 92.06E 33 5.0b,3.9s
NEIC V 09 02 51 17.3–.16 11.74N 92.01E 29 4.8b,3.9s
DJA V 09 02 51 23.2–1.6 11N–4.0 92E–16 51–12 5.0b,4.7
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 13 05 29 52.8–2.1 13.65N 92.11E 0 4.1L,3.7
¶16155698
IDC Error ellipse: s-maj=63.6km s-min=27.7km az=63.0.
IDC V 17 06 42 19.3–6.2 13.83N 93.02E 0 3.7,3.7b
¶16155832
IDC Error ellipse: s-maj=137.8km s-min=41.8km az=160.0.
IDC V 18 22 36 01.1–2.1 10.13N 90.67E 0 3.6,3.6L
¶16155888
IDC Error ellipse: s-maj=68.7km s-min=23.2km az=66.0.
IDC V 29 15 13 43.1–1.1 11.72N 94.92E 0 3.7,3.6
¶16156317
IDC Error ellipse: s-maj=39.4km s-min=19.5km az=58.0.
ISC V 30 14 25 30.0–.71 13.1N–.10 92.8E–.10 32 3.9b 25 8-88
IDC V 30 14 25 24.9–.61 12.91N 92.58E 0 4.0,3.9L ¶13439837
ISCJB V 30 14 25 27.9–.58 13.04N–.08 92.63E–.10 32 3.9b,3.6s
ISC Event type ke.
ISCJB Event type ke.
ISC VI 09 05 38 22.7–.33 10.79N–.03 91.67E–.03 33–1 5.1b,4.6s 717 1-165
IDC VI 09 05 38 17.9–.41 10.86N 91.74E 0 4.9,4.8 ¶13440010
BJI VI 09 05 38 18.6 10.49N 91.65E 37 4.9b,4.9b
ISCJB VI 09 05 38 20.3–.15 10.78N–.02 91.72E–.02 29 5.0b,4.6s
MOS VI 09 05 38 21.3–.88 10.87N 91.74E 33 5.4b,4.6s
SZGRF VI 09 05 38 22.3 10.70N 91.33E 30 5.2b,4.9s
NEIC VI 09 05 38 23.0–.14 10.82N 91.72E 35 5.2b,4.9s
TEH VI 09 05 38 24.0 10.80N 91.75E 38 5.0L,4.9s
DJA VI 09 05 38 40.1–.60 10N–6.0 92E–5.0 217–8 5.7,5.6b
ISC Event type se.
ISCJB Event type se.
SZGRF Andaman Islands, India, region.
NEIC Event type se.
ISC VI 11 03 17 18.1–.55 13.07N–.08 93.22E–.05 32 4.2b,3.7s 90 0-149
IDC VI 11 03 17 15.9–3.2 13.06N 93.26E 24–20 4.9L,4.1 ¶13440042
ISCJB VI 11 03 17 16.3–.35 13.18N–.04 93.22E–.04 32 4.3b,3.8s
BJI VI 11 03 17 16.4 12.94N 93.19E 50 4.8b,4.5s
NEIC VI 11 03 17 19.4–1.5 13.07N 93.30E 52–13 4.4b,4.5s
DJA VI 11 03 17 28.5–1.6 13N–5.0 94E–16 93–61 4.9,4.8b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VI 12 03 59 01.2–1.3 14.0N–.20 92.8E–.20 32 3.8b 12 7-88
IDC VI 12 03 58 58.1–.95 13.67N 93.10E 0 4.0L,3.9 ¶16101224
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=22.3km az=55.0.
IDC VI 16 11 35 28.4–1.3 11.60N 92.65E 0 4.3L,3.7
¶16101403
IDC Error ellipse: s-maj=45.4km s-min=22.8km az=54.0.
ISC VI 22 22 44 21.7–.47 12.14N–.06 94.95E–.06 21 4.1b,3.7s 92 2-121
IDC VI 22 22 44 17.6–.64 12.07N 95.04E 0 4.2,4.1b ¶13441382
ISCJB VI 22 22 44 19.9–.34 12.14N–.04 95.09E–.04 21 4.1b,3.8s
BJI VI 22 22 44 19.1 11.86N 94.67E 40 4.6b,4.3s
NEIC VI 22 22 44 24.4–1.3 12.15N 95.13E 45–12 4.5b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=14.4km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.2km az=31.5.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.0km az=64.0.
ISC VI 22 23 10 04.6–.32 12.09N–.03 94.95E–.03 24–1 5.0b,4.6s 596 2-163
BJI VI 22 23 10 01.5 11.94N 94.93E 28 5.1s,5.1b ¶13217758
ISCJB VI 22 23 10 01.9–.82 12.12N–.03 95.01E–.02 16–5 4.8b,4.7s
IDC VI 22 23 10 01.1–.41 12.20N 95.02E 0 4.6,4.5
SZGRF VI 22 23 10 03.2 11.32N 94.57E 30 4.9b,4.5s
DJA VI 22 23 10 03.8–2.7 12N–3.0 95E–6.0 10 5.2,5.2b
MOS VI 22 23 10 04.1–.79 12.16N 95.06E 33 5.2b,4.5s
NEIC VI 22 23 10 04.9–1.1 12.14N 95.00E 27–7 5.1b,4.5s
TEH VI 22 23 10 05.0 12.17N 94.99E 26 5.0L,4.5s
GCMT VI 22 23 10 06.2–.20 12.11N 95.12E 12 5.2W,4.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.4km az=13.7.
IDC Error ellipse: s-maj=14.0km s-min=11.2km az=48.0.
SZGRF Andaman Islands, India, region.
MOS Error ellipse: s-maj=8.1km s-min=4.1km az=117.7.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.8km az=55.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s52,c83; s78,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.22±.15 $M_{\theta\theta}$3.59±.15; $M_{\phi\phi}$2.63±.16; $M_{r\theta}$2.12±.44; $M_{\theta\phi}$4.50±.12; $M_{\phi r}$1.57±.43; Best double couple: NP1:ϕ_s45.00000°,δ35.00000°,λ-95.00000°. NP2:ϕ_s231.00000°,δ55.00000°,λ-87.00000°. Principal axes: T 8.1200,Plg10.0000° ,Azm318.0000°; N -1.4000,Plg3.0000°,Azm49.0000°; P -6.7100,Plg79.0000°,Azm152.0000° $M_0$7.40000×10^{16}
IDC VI 22 23 16 13.5–6.5 11.51N 94.00E 0 3.7,3.6
¶13681864
IDC Error ellipse: s-maj=380.1km s-min=23.0km az=59.0.
ISC VI 22 23 16 29.8–.36 11.79N–.04 94.66E–.04 23–2 4.9b,4.6s 409 2-163
IDC VI 22 23 16 26.4–.45 12.23N 94.98E 0 4.3,4.2 ¶16101626
NEIC VI 22 23 16 28.5–2.4 12.03N 94.83E 15–14 5.0b,4.2
ISCJB VI 22 23 16 28.4–.20 11.95N–.03 94.76E–.03 24 4.8b,4.6s
MOS VI 22 23 16 29.5–.89 12.10N 95.00E 33 5.1b,4.6s
TEH VI 22 23 16 29.0 11.67N 94.57E 27 4.9L,4.6s
SZGRF VI 22 23 16 29.6 11.66N 94.70E 26 4.8b,4.6s
BJI VI 22 23 16 30.6 11.70N 94.59E 32 5.0s,5.0b
GCMT VI 22 23 16 33.2–.30 12.19N 95.16E 12 5.1W,5.0b
DJA VI 22 23 16 39.2–1.0 12N–6.0 96E–5.0 51–11 4.9b,4.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
SZGRF Andaman Islands, India, region.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s28,c43; s60,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.48±.20 $M_{\theta\theta}$1.20±.17; $M_{\phi\phi}$2.28±.18; $M_{r\theta}$3.22±.59; $M_{\theta\phi}$3.42±.14; $M_{\phi r}$-2.30±.53; Best double couple: NP1:ϕ_s9.00000°,δ54.00000°,λ-140.00000°. NP2:ϕ_s253.00000°,δ59.00000°,λ-43.00000°. Principal axes: T 5.2200,Plg3.0000° ,Azm312.0000°; N 1.4300,Plg39.0000°,Azm45.0000°; P -6.6500,Plg51.0000°,Azm218.0000° $M_0$5.90000×10^{16}
IDC VI 23 10 45 41.5–1.9 12.54N 95.96E 0 3.6,3.5b
¶16101646
IDC Error ellipse: s-maj=73.4km s-min=21.4km az=64.0.
ISC VI 26 23 42 20.6–.58 10.31N–.09 93.9E–.10 100 4.0b 39 9-147
ISCJB VI 26 23 42 18.8–.45 10.33N–.07 93.80E–.09 100 4.0b ¶16101764
IDC VI 26 23 42 20.7–3.1 10.27N 93.86E 101–28 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=8.1km az=148.5.
IDC Error ellipse: s-maj=20.2km s-min=12.1km az=59.0.
ISC VI 26 23 48 14.1–.56 10.22N–.09 93.7E–.10 100 4.1b 83 9-137
IDC VI 26 23 48 11.8–3.3 10.16N 93.64E 79–30 3.8,3.8 ¶13388097
ISCJB VI 26 23 48 12.1–.40 10.20N–.07 93.69E–.08 100 4.1b,3.8
NEIC VI 26 23 48 12.4–1.1 10.17N 93.61E 87–10 4.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=13.1km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=8.8km az=145.6.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.2km az=66.0.
IDC VI 27 01 26 36.1–4.7 10.06N 93.37E 0 4.0,3.9
¶16101766
IDC Error ellipse: s-maj=104.7km s-min=39.6km az=135.0.
IDC VI 27 13 27 48.5–2.1 10.75N 92.50E 0 3.5,3.4b
¶16101784
IDC Error ellipse: s-maj=72.5km s-min=23.7km az=65.0.
IDC VI 27 13 33 11.1–2.4 10.26N 93.06E 0 3.5,3.4
¶16101785
IDC Error ellipse: s-maj=74.4km s-min=30.1km az=63.0.
IDC VI 28 13 49 59.0–1.4 13.15N 92.00E 0 3.6,3.4
¶16101825
IDC Error ellipse: s-maj=50.9km s-min=21.1km az=58.0.
ISC VI 30 09 12 56.5–.43 10.55N–.04 92.27E–.04 33–1 4.6b,4.3s 225 1-146
ISCJB VI 30 09 12 54.8–.68 10.49N–.03 92.29E–.04 38–5 4.7b,4.3s ¶13316765
MOS VI 30 09 12 54.5–.97 10.57N 92.29E 33 4.9b,4.2s
BJI VI 30 09 12 54.3 10.39N 92.29E 46 4.9b,4.7b
IDC VI 30 09 12 54.9–3.5 10.65N 92.29E 21–21 4.5,4.4
NEIC VI 30 09 12 57.0–.25 10.59N 92.28E 35 4.8b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.9km az=136.3.
MOS Error ellipse: s-maj=11.0km s-min=6.5km az=105.2.
IDC Error ellipse: s-maj=17.9km s-min=12.7km az=54.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.2km az=52.0.

(704) Nicobar Islands region.

ISC I 02 01 56 44.7–1.2 6.8N–.10 92.3E–.20 23 3.9b 30 13-78
IDC I 02 01 56 41.0–1.4 6.80N 92.18E 0 4.0,3.8b ¶12079793
ISCJB I 02 01 56 42.9–.90 6.8N–.10 92.3E–.10 23 3.9b,3.8b
NEIC I 02 01 56 46.2–.63 6.81N 92.22E 35 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=19.8km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=13.4km az=150.5.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.3km az=66.0.
ISC I 04 20 22 58.8–.30 6.49N–.03 94.30E–.04 72–1 5.3b 1159 1-170
SZGRF I 04 20 22 47.8 5.72N 94.07E 33 5.2b,4.3s ¶13404606
BJI I 04 20 22 52.4 6.04N 94.16E 64 5.3b,5.1b
MOS I 04 20 22 53.4–.97 6.57N 94.27E 33 5.6b,4.4s
NEIC I 04 20 22 54.7–.14 6.45N 94.17E 35 5.4b,4.4s
TEH I 04 20 22 57.0 6.31N 94.13E 67 5.3L,4.4s
ISCJB I 04 20 22 57.3–.48 6.52N–.02 94.26E–.02 69–4 5.2b,4.4s
DJA I 04 20 23 00 6.53N 94.35E 69 5.2W,4.4s
IDC I 04 20 23 00.9–1.1 6.55N 94.31E 87–8 4.9,4.9
ISC Event type fe.
SZGRF Northern Sumatera, Indonesia.
MOS Error ellipse: s-maj=8.6km s-min=4.0km az=117.9.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.4km az=217.0. Felt at Banda Aceh, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=36.0.
IDC Error ellipse: s-maj=9.8km s-min=8.3km az=54.0.
ISC I 08 08 13 53.9–.99 7.7N–.10 91.8E–.10 24 4.0b,3.5s 43 9-96
IDC I 08 08 13 50.2–1.1 7.73N 91.75E 0 3.9,3.8 ¶12080718
NEIC I 08 08 13 56.0–.73 7.73N 91.94E 35 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=39.5km s-min=20.2km az=54.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=8.7km az=48.0.
ISC I 08 15 49 29.8–.85 8.07N–.10 92.1E–.10 30–4 4.0b,3.6s 72 12-95
ISCJB I 08 15 49 27.9–3.0 8.08N–.08 92.28E–.08 28–21 4.1b,3.6s ¶11712659
IDC I 08 15 49 29.1–.83 7.90N 91.95E 30–4 3.9,3.8L
NEIC I 08 15 49 29.9–.53 7.98N 92.16E 35 4.3b,3.8L
DJA I 08 15 49 32 7.50N 92.30E 10 4.5b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=9.0km az=43.3.
IDC Error ellipse: s-maj=29.9km s-min=14.4km az=57.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.8km az=58.0.
IDC I 09 06 12 20.0–3.0 6.36N 93.49E 0 4.0s,4.0
¶12080813
IDC Error ellipse: s-maj=125.4km s-min=21.4km az=60.0.
IDC I 12 14 55 13.7–1.1 7.21N 93.53E 0 4.4L,3.9
DJA I 12 14 55 50 5.92N 95.49E 10 3.5,3.9 ¶12081115
IDC Error ellipse: s-maj=44.4km s-min=17.8km az=58.0.

IDC I 13 02 53 05.5–6.7 6.41N 96.31E 0 3.7,3.5b
¶12081163

IDC Error ellipse: s-maj=373.8km s-min=24.4km az=57.0.
ISC I 29 08 34 20.4–.57 8.72N–.10 93.7E–.10 26 4.1b 57 11-139
IDC I 29 08 34 16.1–.62 8.72N 93.64E 0 4.2L,4.1 **¶13434069**
ISCJB I 29 08 34 18.3–.50 8.73N–.08 93.7E–.10 26 4.0b,4.1
NEIC I 29 08 34 21.3–.37 8.72N 93.70E 35 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=14.3km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=9.8km az=151.1.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.6km az=62.0.
ISC I 31 15 46 45.7–.68 7.6N–.10 93.9E–.10 20 4.3b 58 8-90
IDC I 31 15 46 42.5–.82 7.59N 93.87E 0 4.2,4.0 **¶12082839**
ISCJB I 31 15 46 43.7–.54 7.54N–.07 93.93E–.09 20 4.3b,3.6s
NEIC I 31 15 46 48.8–1.8 7.58N 93.92E 46–15 4.4b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=43.7km s-min=15.2km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=7.8km az=144.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=5.6km az=54.0.
IDC II 02 15 48 17.6–6.7 7.22N 93.71E 0 3.7,3.6
¶15954903

IDC Error ellipse: s-maj=337.2km s-min=21.7km az=59.0.
ISC II 03 04 30 28.3–.80 8.3N–.10 93.0E–.10 35 4.2b 44 9-75
ISCJB II 03 04 30 25.9–.67 8.21N–.10 93.03E–.10 33 4.2b **¶11677783**
IDC II 03 04 30 31.4–6.6 8.35N 93.16E 68–58 4.4L,3.8
NEIC II 03 04 30 34.2–1.9 8.48N 93.34E 87–16 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=6.2km az=44.4.
IDC Error ellipse: s-maj=44.3km s-min=13.6km az=56.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=6.6km az=54.0.
IDC II 04 07 09 08.2–2.1 7.65N 91.95E 0 3.8,3.7
¶15955002

IDC Error ellipse: s-maj=81.0km s-min=21.2km az=61.0.
ISC II 06 20 01 41.4–.73 9.5N–.10 93.3E–.10 29 4.3b 63 10-146
ISCJB II 06 20 01 38.9–.54 9.49N–.07 93.23E–.09 29 4.2b,4.0s **¶12082985**
IDC II 06 20 01 49.6–6.4 9.92N 93.56E 100–55 4.0s,4.0
NEIC II 06 20 01 54.1–2.2 10.05N 93.75E 142–18 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=7.7km az=146.9.
IDC Error ellipse: s-maj=49.3km s-min=12.2km az=54.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=6.6km az=52.0.
ISC II 09 04 08 10.3–.74 6.4N–.10 92.7E–.10 26 4.4b 58 13-141
IDC II 09 04 08 06.2–.72 6.40N 92.67E 0 4.4,4.4L **¶15955289**
ISCJB II 09 04 08 08.4–.51 6.32N–.08 92.8E–.10 26 4.3b,3.5s
ISC Event type ke.
ISCJB Event type ke.
ISC III 01 00 34 21.1–.90 9.6N–.10 93.7E–.20 29 3.7b 19 9-76
IDC III 01 00 34 16.3–1.1 9.50N 93.56E 0 3.8,3.7L **¶12054446**
ISCJB III 01 00 34 19.1–.71 9.6N–.10 93.8E–.10 29 3.6b,3.2s
ISC Event type se.
ISCJB Event type ke.
IDC III 01 10 42 01.8–3.0 7.26N 94.66E 224–29 3.3,3.2b
¶12702182

IDC Error ellipse: s-maj=35.6km s-min=12.2km az=60.0.
ISC III 02 19 45 38.8–1.6 8.2N–.20 92.1E–.20 25 3.2b 12 9-52
IDC III 02 19 45 39.0–2.4 8.20N 91.97E 39–9 3.8L,3.3 **¶12702294**
ISC Event type ke.
IDC Error ellipse: s-maj=68.4km s-min=23.5km az=58.0.
ISC III 17 01 03 09.9–.42 9.85N–.04 91.80E–.04 34–1 4.7b,3.8s 245 6-105
ISCJB III 17 01 03 05.1–1.0 9.81N–.03 91.78E–.03 15–8 4.6b,3.8s **¶13436479**
BJI III 17 01 03 07.5 9.64N 91.83E 42 4.8b,4.7b
MOS III 17 01 03 07.4–.99 9.83N 91.90E 33 4.9b,4.7b
IDC III 17 01 03 10.3–.76 9.82N 91.81E 37–6 4.3,4.3b
NEIC III 17 01 03 10.3–.25 9.82N 91.84E 39 4.8b,4.3b
DJA III 17 01 03 12.0–2.3 10N–6.0 92E–24 41–12 5.1b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC III 17 05 46 12.7–.77 6.4N–.10 92.4E–.10 26 4.3b 51 7-145
IDC III 17 05 46 08.6–.87 6.34N 92.20E 0 4.3,4.2L **¶12703498**
ISCJB III 17 05 46 10.7–.69 6.3N–.10 92.4E–.10 26 4.3b,3.0s
NEIC III 17 05 46 14.2–.46 6.43N 92.36E 35 4.5b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=17.0km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=7.2km az=43.8.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=7.5km az=45.0.
IDC III 20 10 25 52.2–2.2 6.94N 91.84E 0 4.0L,3.7
¶12703802

IDC Error ellipse: s-maj=83.2km s-min=23.0km az=61.0.
IDC III 23 00 40 24.1–77 8.17N 91.54E 0 4.0,3.9s
¶12635340

IDC Error ellipse: s-maj=1410.0km s-min=126.0km az=3.0.
IDC III 28 14 28 53.7–2.1 9.51N 93.23E 0 3.6,3.4b
¶12635777

IDC Error ellipse: s-maj=74.2km s-min=21.9km az=66.0.
IDC IV 03 12 16 06.1–2.6 6.91N 91.74E 0 4.0L,3.6
¶16152308

IDC Error ellipse: s-maj=91.1km s-min=26.7km az=64.0.
ISC IV 04 16 47 52.9–1.1 7.7N–.10 92.2E–.20 25 3.7b,3.3s 19 8-81
IDC IV 04 16 47 49.3–1.1 7.80N 92.14E 0 3.9L,3.7 **¶12742010**
ISCJB IV 04 16 47 51.3–.83 7.7N–.10 92.3E–.10 25 3.6b,3.3s
ISC Event type ke.
ISCJB Event type ke.
ISC IV 09 08 10 53.8–.42 6.23N–.03 94.45E–.03 82–3 5.4b 1488 1-173
BJI IV 09 08 10 43.2 5.65N 94.17E 41 5.2b,4.9b **¶15153625**
SZGRF IV 09 08 10 50.1 5.75N 95.00E 66 5.4b,4.9b
AUST IV 09 08 10 51.6 6.31N 94.40E 60 5.4b,4.9b
ISCJB IV 09 08 10 52.0–.43 6.21N–.02 94.40E–.02 80–4 5.3b,4.9b
MOS IV 09 08 10 53.3–1.5 6.21N 94.46E 96 5.5b,4.9b
DJA IV 09 08 10 54.5–.70 6N–3.0 94E–7.0 68–4 5.7b,5.5b
NEIC IV 09 08 10 54.0–.56 6.26N 94.44E 82–4 5.4b,5.5b
IDC IV 09 08 10 55.2–1.0 6.31N 94.55E 91–8 5.1,5.1
GCMT IV 09 08 10 55.3–.30 6.28N 94.54E 62–1 5.1W,5.1
ISC Event type fe.
SZGRF Northern Sumatera, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.8km az=43.5.
MOS Error ellipse: s-maj=10.7km s-min=4.3km az=126.2.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.6km az=221.0. Felt [III] at Banda Aceh and Sabang, Indonesia.
IDC Error ellipse: s-maj=9.1km s-min=6.2km az=51.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c63; s66,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}4.58±.19 $M_{\theta\theta}$-5.15±.12; $M_{\phi\phi}$0.57±.15; $M_{r\theta}$0.12±.12; $M_{\theta\phi}$-0.42±.13; $M_{\theta r}$-0.54±.12; Best double couple: NP1:ϕ_s258.00000°,δ45.00000°,λ79.00000°. NP2:ϕ_s94.00000°,δ46.00000°,λ101.00000°. Principal axes: T 4.6600,Plg82.0000° ,Azm82.0000°; N 0.5200,Plg8.0000°,Azm266.0000°; P -5.1800,Plg0.0000°,Azm176.0000° M_o4.90000×10^{16}
IDC IV 23 03 14 46.2–3.9 9.73N 92.96E 0 3.7,3.6
¶16153291

IDC Error ellipse: s-maj=153.0km s-min=26.1km az=65.0.
IDC IV 27 09 29 26.8–3.7 6.83N 90.06E 0 3.6,3.5
¶16154551

IDC Error ellipse: s-maj=144.9km s-min=23.7km az=61.0.
IDC IV 29 10 30 16.6–6.9 6.08N 95.43E 0 3.6,3.4
¶16154618

IDC Error ellipse: s-maj=363.6km s-min=28.3km az=57.0.
IDC V 04 15 15 36.6–1.5 9.26N 93.12E 0 3.7,3.5
¶16154899

IDC Error ellipse: s-maj=57.1km s-min=22.5km az=59.0.
ISC V 07 13 54 18.0–1.4 7.4N–.20 93.9E–.20 20 3.7b 16 7-98
IDC V 07 13 54 14.9–1.4 7.41N 93.95E 0 3.8b,3.8 **¶16155486**
ISCJB V 07 13 54 16.2–1.2 7.4N–.10 94.1E–.20 20 4.1s,3.8b
ISC Event type ke.
ISCJB Event type ke.
ISC V 09 19 55 12.1–.44 7.67N–.04 94.22E–.05 54–3 4.5b,4.4s 301 1-147
BJI V 09 19 55 04.5 7.06N 94.11E 52 5.1b,4.6b **¶15154223**
IDC V 09 19 55 04.4–.48 7.63N 94.14E 0 4.4,4.3
MOS V 09 19 55 07.5–.87 7.67N 94.27E 33 4.9b,4.3
ISCJB V 09 19 55 09.2–.49 7.69N–.03 94.20E–.03 46–5 4.5b,4.3s
NEIC V 09 19 55 10.1–.73 7.65N 94.24E 42–6 4.4b,4.3s
DJA V 09 19 55 12.9–1.6 8N–4.0 95E–11 10–14 5.2b,4.7
AUST V 09 19 55 16.6 7.27N 94.36E 100 5.2b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=11.7km az=55.0.
MOS Error ellipse: s-maj=10.6km s-min=5.2km az=118.3.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=149.2.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.0km az=56.0.
IDC V 09 20 52 11.4–2.2 7.62N 93.87E 0 3.8,3.8
¶16155558

IDC Error ellipse: s-maj=88.6km s-min=25.8km az=57.0.
ISC V 26 16 51 45.6–.68 6.1N–.10 95.0E–.10 200 4.0b 27 1-92
ISCJB V 26 16 51 44.3–.47 6.23N–.09 95.1E–.10 200 3.7b **¶13679689**
IDC V 26 16 51 44.2–.95 6.40N 95.09E 175–9 3.8,3.7
DJA V 26 16 51 46.1–1.4 6N–8.0 95E–20 172–11 5.2b,4.5
ISC Event type ke.
ISCJB Event type ke.
ISC V 30 01 55 10.4–.45 10.00N–.05 93.40E–.05 25–2 4.5b,3.8s 212 5-146
BJI V 30 01 55 04.6 9.66N 93.20E 26 4.9b,4.6b **¶13193194**
IDC V 30 01 55 06.3–.54 10.12N 93.58E 0 4.3,4.2
ISCJB V 30 01 55 08.6–1.4 10.01N–.04 93.51E–.04 25–9 4.5b,3.7s
NEIC V 30 01 55 10.4–.25 10.02N 93.54E 27 4.5b,3.7s
DJA V 30 01 55 15.2–1.3 10N–4.0 94E–19 10 5.4b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC VI 06 16 46 23.8–1.0 7.3N–.10 93.1E–.20 35 4.0b 18 12-80
IDC VI 06 16 46 18.4–1.1 7.34N 92.99E 0 4.1,4.1L **¶13469924**
ISCJB VI 06 16 46 21.9–.79 7.4N–.10 93.2E–.20 33 4.0b,4.1L
ISC Event type ke.
ISCJB Event type ke.
ISC VI 14 13 52 34.4–.89 8.6N–.10 93.8E–.20 22 3.7b 15 11-145
ISCJB VI 14 13 52 32.4–.72 8.6N–.10 93.9E–.10 22 4.0b **¶16101319**
IDC VI 14 13 52 41.1–7.1 8.88N 94.16E 75–62 3.8L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.8km s-min=15.4km az=44.1.
IDC Error ellipse: s-maj=56.7km s-min=17.7km az=55.0.
ISC VI 15 12 05 25.6–.28 9.04N–.03 93.60E–.03 32–1 5.4b,4.6s 1072 2-168
BJI VI 15 12 05 23.8 9.20N 93.70E 20 5.2b,5.1b **¶13383487**
MOS VI 15 12 05 24.6–.86 9.17N 93.62E 33 5.7b,4.6s
SZGRF VI 15 12 05 24.7 8.35N 93.28E 33 5.5b,4.6s
ISCJB VI 15 12 05 25.2–.42 9.04N–.02 93.62E–.02 42–3 5.3b,4.5s
DJA VI 15 12 05 25.8–.40 9N–3.0 94E–5.0 10 5.4b,5.2
NEIC VI 15 12 05 26.8–.56 9.05N 93.62E 43–4 5.4b,5.2
TEH VI 15 12 05 26.0 9.10N 93.67E 35 5.4L,5.2
IDC VI 15 12 05 27.0–1.7 9.12N 93.78E 43–14 4.8,4.8
GCMT VI 15 12 05 27.3–.10 9.12N 93.80E 12 5.2W,4.8
BGS VI 15 12 05 38.5–1.5 11.20N 92.15E 33 5.2b,4.8
ISC Event type se.
MOS Error ellipse: s-maj=7.5km s-min=3.8km az=123.3.
SZGRF Nicobar Islands, India, region.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.2km az=34.8.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.2km az=208.0.
IDC Error ellipse: s-maj=13.4km s-min=9.7km az=44.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s72,c111; s88,c177; Moment tensor: Scale 10^{16}Nm; M_{rr}-8.12±.13 $M_{\theta\theta}$-0.12±.13; $M_{\phi\phi}$8.24±.12; $M_{r\theta}$2.62±.40; $M_{\theta\phi}$1.66±.11; $M_{\theta r}$-3.04±.34; Best double couple: NP1:ϕ_s208.00000°,δ40.00000°,λ-61.00000°. NP2:ϕ_s352.00000°,δ56.00000°,λ-112.00000°. Principal axes: T 8.9500,Plg9.0000° ,Azm98.0000°; N 0.6000,Plg18.0000°,Azm5.0000°; P -9.5500,Plg70.0000°,Azm213.0000° M_o9.30000×10^{16}
BGS Error ellipse: s-maj=595.0km s-min=492.0km az=-1.0.
IDC VI 19 21 32 59.7–10 9.88N 92.43E 0 3.5,3.5L
¶16101515

IDC Error ellipse: s-maj=244.3km s-min=46.8km az=97.0.

(705) Off west coast of northern Sumatera.

IDC I 02 19 02 18.6–2.6 1.75N 96.37E 0 3.6,3.5L
DJA I 02 19 02 32 3.45N 97.35E 84 2.9,3.5L **¶12079843**
IDC Error ellipse: s-maj=105.9km s-min=20.6km az=59.0.
IDC I 04 19 28 30.2–3.2 0.29N 96.85E 0 3.5b,3.4
¶12080270

IDC Error ellipse: s-maj=133.4km s-min=27.0km az=60.0.
IDC I 05 18 41 11.1–7.0 1.69N 96.85E 0 4.0b,4.0
¶12080403

IDC Error ellipse: s-maj=177.5km s-min=68.7km az=129.0.
ISC I 07 02 42 59.9–.66 2.39N–.07 95.89E–.09 25 4.6b,4.1s 109 3-143
IDC I 07 02 42 55.9–1.1 2.50N 96.01E 0 4.8L,4.4 **¶11594023**
BJI I 07 02 42 56.7 2.19N 95.90E 35 4.8b,4.7s
ISCJB I 07 02 42 57.9–.50 2.42N–.06 95.99E–.06 25 4.5b,4.1s
DJA I 07 02 42 59 2.48N 95.91E 24 4.4,4.1s
NEIC I 07 02 43 02.6–2.4 2.56N 96.12E 45–18 4.5b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=14.3km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.2km az=135.3.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=5.9km az=52.0.
ISC I 08 11 40 44.9–.50 1.96N–.05 96.62E–.06 17–1 4.9b,4.3s 264 1-145
BJI I 08 11 40 35.9 1.25N 96.71E 6 5.0b,4.8b **¶11534379**
IDC I 08 11 40 42.4–.73 2.06N 96.76E 0 4.6,4.6L
NEIC I 08 11 40 43.5–.35 1.88N 96.72E 10 5.0b,4.6L
ISCJB I 08 11 40 44.1–1.1 1.89N–.05 96.64E–.04 25–7 4.8b,4.3s
MOS I 08 11 40 45.5–1.0 2.04N 96.86E 33 5.0b,4.3s
DJA I 08 11 40 48 2.03N 96.76E 30 4.8,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=12.7km az=50.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.4km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.2km az=36.1.
MOS Error ellipse: s-maj=12.5km s-min=6.0km az=102.3.
IDC I 10 11 47 15.6–2.6 3.90N 95.81E 0 3.8,3.7b
DJA I 10 11 47 23 3.81N 95.92E 25 3.8,3.7b **¶12080939**
IDC Error ellipse: s-maj=117.4km s-min=19.7km az=57.0.
IDC I 10 22 13 59.5–1.7 4.96N 94.40E 0 3.8b,3.8
¶12080989

IDC Error ellipse: s-maj=60.5km s-min=27.2km az=62.0.
IDC I 12 07 03 19.1–2.6 2.96N 95.58E 27–5 3.6b,3.6
¶12081094

IDC Error ellipse: s-maj=100.7km s-min=19.9km az=56.0.
IDC I 12 17 07 33.3–1.6 4.72N 94.50E 0 3.6b,3.6
¶12081121

IDC Error ellipse: s-maj=63.8km s-min=25.1km az=60.0.
ISC I 12 22 14 10.7–.38 2.83N–.04 95.74E–.04 60–2 5.1b 392 3-159
IDC I 12 22 14 02.3–.45 2.75N 95.67E 0 5.0L,4.8 **¶13404826**
DJA I 12 22 14 03 2.83N 95.50E 10 5.0,4.8
MOS I 12 22 14 05.7–.86 2.80N 95.75E 33 5.2b,4.4s
ISCJB I 12 22 14 07.8–.61 2.81N–.03 95.75E–.03 48–5 5.1b,4.5s
BJI I 12 22 14 10.4 3.01N 95.73E 63 5.4b,5.2b
NEIC I 12 22 14 10.2–1.1 2.82N 95.78E 58–10 5.1b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=11.9km az=50.0.
MOS Error ellipse: s-maj=9.5km s-min=5.4km az=104.3.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.0km az=38.7.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.7km az=51.0.
ISC I 16 10 28 37.6–1.1 2.4N–.10 95.2E–.10 18 4.2b 32 6-57
IDC I 16 10 28 35.2–1.5 2.51N 95.29E 0 4.7L,4.2 **¶12081426**
ISCJB I 16 10 28 36.1–.66 2.52N–.08 95.30E–.07 18 4.2b,4.2

DJA I 16 10 28 38 2.73N 95.31E 23 4.2,4.2
NEIC I 16 10 28 40.4–.66 2.49N 95.28E 35 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=56.9km s-min=15.7km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=8.8km az=28.7.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.8km az=49.0.
ISC I 17 01 54 42.7–.74 5.00N–.08 94.01E–.09 48–3 4.4b,3.5s 105 14-142
BJI I 17 01 54 42.0 5.07N 93.95E 58 5.0b,4.7b ¶11596150
NEIC I 17 01 54 42.9–.48 5.11N 94.14E 46 4.6b,4.7b
DJA I 17 01 54 44 5.13N 94.41E 15 4.5,4.7b
IDC I 17 01 54 46.8–7.2 5.27N 94.36E 75–64 5.0L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=7.3km az=54.0.
IDC Error ellipse: s-maj=34.1km s-min=12.3km az=53.0.
IDC I 17 12 42 07.6–1.5 2.98N 93.87E 0 4.3L,4.2
¶12081538
IDC Error ellipse: s-maj=61.3km s-min=18.6km az=57.0.
ISC I 17 13 00 02.9–.84 2.6N–.10 93.7E–.20 35 4.1b 22 17-81
IDC I 17 13 00 00.0–1.6 2.88N 93.75E 0 4.1,3.9 ¶12081542
ISCJB I 17 13 00 01.0–.80 2.63N–.09 93.7E–.20 33 4.1b,3.7s
NEIC I 17 13 00 03.0–.77 2.62N 93.74E 35 4.6b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=62.0km s-min=20.9km az=57.0.
ISCJB Event type ke. Error ellipse: s-maj=28.1km s-min=10.6km az=162.3.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=10.9km az=73.0.
IDC I 24 03 36 13.5–3.7 3.88N 94.43E 0 3.9,3.8b
¶12082186
IDC Error ellipse: s-maj=143.1km s-min=29.9km az=57.0.
IDC I 24 21 57 54.4–3.2 2.75N 95.54E 0 3.6L,3.5
DJA I 24 21 58 01 3.30N 96.13E 10 3.3,3.5 ¶12082254
IDC Error ellipse: s-maj=125.3km s-min=30.5km az=57.0.
IDC I 27 12 42 23.6–13 3.78N 95.92E 133–117 4.0L,3.5
DJA I 27 12 42 15 3.85N 95.93E 10 3.5,3.5 ¶12082474
IDC Error ellipse: s-maj=110.2km s-min=16.4km az=59.0.
IDC I 27 17 09 29.4–3.2 2.54N 95.97E 0 3.5L,3.5
DJA I 27 17 09 23 2.55N 95.13E 50 4.0,3.5 ¶12082500
IDC Error ellipse: s-maj=117.9km s-min=23.4km az=63.0.
ISC I 30 13 53 15.5–.54 2.89N–.07 95.48E–.07 27 4.7b,4.0s 106 6-143
IDC I 30 13 53 11.2–.66 2.83N 95.45E 0 4.4,4.4L ¶11657470
ISCJB I 30 13 53 13.6–.42 2.87N–.06 95.51E–.05 27 4.6b,4.0s
BJI I 30 13 53 14.0 2.88N 95.63E 30 5.1b,4.8b
DJA I 30 13 53 15 2.70N 95.40E 29 4.7,4.8b
NEIC I 30 13 53 16.3–.30 2.86N 95.55E 35 4.9b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=13.4km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.5km az=34.9.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.3km az=45.0.
ISC II 07 12 51 08.7–.57 2.71N–.05 95.52E–.06 34–1 4.5b,3.9s 144 2-143
ISCJB II 07 12 51 06.2–1.3 2.69N–.06 95.48E–.05 29–10 4.5b,3.9s ¶11667402
DJA II 07 12 51 06 2.77N 95.44E 17 4.3,3.9s
MOS II 07 12 51 07.4–.86 2.78N 95.64E 39 4.6b,3.9s
IDC II 07 12 51 07.0–1.2 2.71N 95.54E 22–4 4.5L,4.3
BJI II 07 12 51 08.9 2.87N 95.51E 32 4.7b,4.6b
NEIC II 07 12 51 09.2–.53 2.78N 95.58E 35 4.6b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=7.0km az=36.2.
MOS Error ellipse: s-maj=17.5km s-min=7.3km az=98.0.
IDC Error ellipse: s-maj=42.4km s-min=15.8km az=59.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.7km az=220.0.
IDC II 12 16 36 12.1–2.5 3.34N 93.55E 0 3.9L,3.8
¶15955750
IDC Error ellipse: s-maj=96.2km s-min=20.5km az=60.0.
DJA II 13 08 26 40.8–1.1 1N–10 97E–5.0 10 4.1,4.1
¶15821846
ISC II 15 03 56 36.2–.43 1.72N–.04 96.99E–.05 42–2 4.9b,4.3s 351 1-146
IDC II 15 03 56 29.9–.63 1.68N 96.98E 0 4.7,4.6 ¶13434653
BJI II 15 03 56 32.8 1.39N 97.14E 52 5.1b,4.9b
ISCJB II 15 03 56 33.9–.86 1.77N–.04 97.02E–.03 33–6 4.8b,4.3s
MOS II 15 03 56 33.9–.86 1.82N 97.17E 33 5.0b,4.5s
NEIC II 15 03 56 35.8–1.2 1.72N 97.06E 39–10 4.9b,4.5s
DJA II 15 03 56 36 1.93N 97.21E 10 4.8,4.5s
SZGRF II 15 03 56 39.4 1.66N 96.01E 39 4.9b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=13.2km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.0km az=29.8.
MOS Error ellipse: s-maj=11.1km s-min=5.1km az=113.2.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.6km az=48.0.
SZGRF Off west coast of northern Sumatera, Indonesia.
ISC II 15 04 12 36.7–1.1 2.09N–.08 94.70E–.09 20 3.9b 21 3-83
IDC II 15 04 12 32.6–1.4 1.86N 94.52E 0 4.1,4.0L ¶12700752
ISCJB II 15 04 12 35.2–.85 2.09N–.06 94.74E–.06 20 3.9b,4.0L
DJA II 15 04 12 42.1–1.1 2N–5.0 95E–8.0 39 4.8b,4.7b
ISC Event type ke.
ISCJB Event type ke.
IDC II 15 08 15 01.0–2.0 1.14N 96.34E 0 4.6L,3.6
¶15956140
IDC Error ellipse: s-maj=53.2km s-min=26.4km az=48.0.
ISC II 17 19 55 26.0–3.7 1.78N–.08 95.7E–.10 6–20 3.3b 14 2-53
DJA II 17 19 55 29.4–1.3 2N–5.0 96E–7.0 68–23 3.5,3.5 ¶12701051
IDC II 17 19 55 29.2–2.5 2.17N 95.23E 0 3.4,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=65.8km s-min=27.6km az=50.0.
ISC II 19 03 26 03.8–1.5 1.55N–.10 95.5E–.10 35 3.6b 13 2-53
ISCJB II 19 03 26 02.7–1.2 1.57N–.07 95.52E–.08 33 3.6b ¶12701205
DJA II 19 03 26 02.8–1.0 2N–5.0 96E–6.0 30 4.1b,3.8
IDC II 19 03 26 04.3–4.4 2.14N 96.58E 0 3.6,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=8.1km az=137.5.
IDC Error ellipse: s-maj=173.5km s-min=30.2km az=57.0.
IDC II 20 11 33 15.4–6.2 2.53N 95.40E 0 3.8b,3.7
¶15956813
IDC Error ellipse: s-maj=125.6km s-min=39.3km az=25.0.
DJA II 24 05 50 23.0–1.5 5N–7.0 94E–10 10 3.8,3.8
¶15821944
IDC II 24 13 43 24.1–1.5 1.22N 96.88E 0 3.6,3.5
¶15957167
IDC Error ellipse: s-maj=32.3km s-min=21.1km az=60.0.
ISC II 24 15 29 23.4–.74 1.42N–.07 97.00E–.07 23–4 4.3b,3.4s 60 1-87
BJI II 24 15 29 19.5 1.35N 97.42E 13 4.9b,4.7b ¶12054535
IDC II 24 15 29 23.2–.83 1.39N 97.00E 22–5 4.2,4.2b
DJA II 24 15 29 29 1.61N 97.47E 5 4.2,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=13.2km az=39.0.
ISC II 26 00 03 32.5–.79 1.12N–.04 96.92E–.05 32–4 4.6b,4.1s 136 1-145
DJA II 26 00 03 27 1.12N 96.68E 10 4.9,4.1s ¶11729478
BJI II 26 00 03 27.4 0.40N 97.16E 41 5.0b,4.8b
MOS II 26 00 03 31.8–.94 1.12N 97.10E 33 4.7b,4.8b
IDC II 26 00 03 32.5–3.5 1.01N 97.02E 26–23 4.2,4.2b
ISCJB II 26 00 03 32.7–.66 1.08N–.04 97.08E–.04 40–5 4.6b,4.1s
NEIC II 26 00 03 34.0–.26 1.06N 97.16E 35 4.9b,4.1s
ISC Event type se.
MOS Error ellipse: s-maj=11.5km s-min=6.2km az=103.7.
IDC Error ellipse: s-maj=16.1km s-min=10.8km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.4km az=148.5.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.9km az=46.0.
IDC III 04 10 56 14.2–6.2 2.54N 95.21E 0 3.8,3.7b
¶15153039
IDC Error ellipse: s-maj=125.6km s-min=40.6km az=25.0.
ISC III 04 10 56 43.5–.34 2.78N–.03 95.37E–.04 26–1 5.2b,4.5s 546 2-159
IDC III 04 10 56 39.7–.40 2.81N 95.44E 0 4.8,4.7b ¶15153042
AUST III 04 10 56 40.3–4.1 2.71N 95.18E 10–0 4.8,4.7b
ISCJB III 04 10 56 41.3–.87 2.79N–.03 95.41E–.02 22–6 5.1b,4.5s
BJI III 04 10 56 41.4 2.72N 95.45E 30 5.3b,5.1b
MOS III 04 10 56 42.8–.88 2.84N 95.47E 33 5.4b,5.1b
NEIC III 04 10 56 43.7–.19 2.80N 95.45E 27 5.2b,5.1b
DJA III 04 10 56 44.6–.80 3N–4.0 95E–8.0 30 5.3b,5.2b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 04 10 59 19.4–.93 2.65N 95.32E 0 4.4,4.4b
¶11752792
IDC Error ellipse: s-maj=29.4km s-min=14.3km az=45.0.
IDC III 04 13 21 29.1–2.0 2.65N 95.33E 0 3.7,3.6L
¶12702426
IDC Error ellipse: s-maj=63.1km s-min=20.1km az=56.0.
ISC III 04 14 19 31.9–.80 2.72N–.05 95.41E–.06 18–4 4.7b,4.0s 135 2-82
BJI III 04 14 19 28.2 2.77N 95.59E 5 5.0b,4.7s ¶12702428
IDC III 04 14 19 29.1–.85 2.74N 95.41E 0 4.4,4.3
ISCJB III 04 14 19 33.6–1.0 2.78N–.05 95.51E–.06 42–8 4.5b,3.9s
NEIC III 04 14 19 36.2–1.5 2.83N 95.58E 48–12 4.5b,3.9s
DJA III 04 14 19 38.8–2.1 3N–5.0 96E–8.0 32–21 5.0b,4.9b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC III 04 15 56 04.2–1.3 0.85N–.08 96.97E–.09 25 3.4b 15 1-54
IDC III 04 15 55 59.8–1.9 0.65N 96.95E 0 3.5,3.4b ¶12702433
ISCJB III 04 15 56 02.3–1.0 0.81N–.07 96.92E–.07 25 3.4b,3.4b
DJA III 04 15 56 06.3–1.3 1N–8.0 97E–7.0 25–7 3.7b,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC III 04 19 46 58.1–10 2.14N 95.53E 0 3.6b,3.6
¶12702449
IDC Error ellipse: s-maj=204.4km s-min=112.9km az=148.0.
IDC III 08 20 40 49.9–2.1 0.75N 96.96E 0 3.5,3.4b
¶12702753
IDC Error ellipse: s-maj=53.8km s-min=28.5km az=58.0.
ISC III 10 16 00 46.2–.97 4.61N–.08 95.0E–.10 48 3.9b 18 1-79
ISCJB III 10 16 00 44.3–.72 4.55N–.07 94.84E–.08 48 3.9b ¶12702883
DJA III 10 16 00 46.4–1.2 5N–5.0 95E–11 10 4.1b,3.7
IDC III 10 16 00 48.1–7.8 4.52N 94.85E 68–60 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=8.0km az=150.7.
IDC Error ellipse: s-maj=113.3km s-min=15.7km az=56.0.
ISC III 11 05 04 21.3–.50 2.64N–.04 95.98E–.05 35–1 4.7b,3.9s 219 1-145
BJI III 11 05 04 15.2 2.10N 95.97E 33 5.0b,4.8b ¶15153163
IDC III 11 05 04 16.3–.55 2.68N 95.98E 0 4.8L,4.5
DJA III 11 05 04 18.5–2.7 3N–6.0 96E–9.0 25–29 5.1b,5.1b
MOS III 11 05 04 19.4–.98 2.72N 96.01E 33 4.9b,5.1b
ISCJB III 11 05 04 20.2–.72 2.61N–.04 95.91E–.05 42–6 4.7b,3.9s
NEIC III 11 05 04 21.5–.32 2.67N 95.94E 35 4.7b,3.9s
AUST III 11 05 04 24.1–1.5 2.63N 96.05E 58–0 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=11.3km az=50.0.
MOS Error ellipse: s-maj=13.9km s-min=6.1km az=105.1.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.4km az=138.2.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.8km az=220.0.
AUST Error ellipse: s-maj=2.3km s-min=1.1km az=247.0.
ISC III 12 10 05 09.4–.32 4.68N–.04 94.99E–.04 42–1 5.0b,4.3s 677 1-172
BJI III 12 10 05 00.9 4.05N 94.90E 30 5.0b,5.0b ¶15153170
AUST III 12 10 05 03.2 4.40N 94.46E 15 5.0b,5.0b
MOS III 12 10 05 06.7–1.0 4.78N 95.20E 33 5.4b,4.3s
SZGRF III 12 10 05 08.9 4.27N 95.20E 51 5.1b,4.3s
NEIC III 12 10 05 08.6–.17 4.67N 95.05E 35 5.2b,4.3s
ISCJB III 12 10 05 09.2–.64 4.70N–.03 95.12E–.03 55–6 5.0b,4.2s
IDC III 12 10 05 10.5–.50 4.81N 95.11E 48–3 4.5,4.5
DJA III 12 10 05 10.9–.90 5N–4.0 95E–9.0 44–5 5.6b,5.1
GCMT III 12 10 05 11.3–.30 4.43N 95.03E 48–1 5.0W,5.1
ISC Event type fe.
MOS Error ellipse: s-maj=9.7km s-min=4.7km az=116.0.
SZGRF Northern Sumatera, Indonesia.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.9km az=33.0. Felt at Banda Aceh.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=42.5.
IDC Error ellipse: s-maj=15.2km s-min=8.5km az=40.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s43,c58; s66,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}3.02±.20 $M_{\theta\theta}$-2.47±.14; $M_{\phi\phi}$-0.56±.18; $M_{r\theta}$2.06±.12; $M_{\theta\phi}$1.64±.13; $M_{\theta r}$-1.39±.13; Best double couple: NP1:ϕ_s297.00000°,δ26.00000°,λ85.00000°. NP2:ϕ_s123.00000°,δ64.00000°,λ93.00000°. Principal axes: T 3.8700,Plg71.0000° ,Azm38.0000°; N 0.3800,Plg2.0000°,Azm301.0000°; P -4.2600,Plg19.0000°,Azm211.0000° $M_0$4.10000×10^{16}
IDC III 15 11 47 30.0–1.6 2.05N 95.97E 0 3.4b,3.4
¶12703347
IDC Error ellipse: s-maj=43.6km s-min=21.2km az=50.0.
IDC III 15 11 57 08.8–65 0.94N 96.20E 0 3.7s,3.7
¶12703348
IDC Error ellipse: s-maj=1250.0km s-min=162.5km az=177.0.
IDC III 17 07 25 13.5–2.5 4.74N 93.45E 0 4.0L,3.7
¶12703501
IDC Error ellipse: s-maj=84.3km s-min=26.3km az=57.0.
IDC III 18 10 17 53.0–1.6 2.46N 93.52E 0 3.9L,3.8
¶12703578
IDC Error ellipse: s-maj=47.5km s-min=18.7km az=50.0.
ISC III 19 02 32 41.3–.45 1.58N–.05 96.79E–.06 31–2 4.5b,4.1s 219 1-145
BJI III 19 02 32 38.3 1.28N 96.99E 37 4.9b,4.7b ¶15153283
MOS III 19 02 32 39.7–.88 1.58N 96.87E 33 4.7b,4.7b
ISCJB III 19 02 32 39.5–1.1 1.62N–.05 96.87E–.05 30–8 4.5b,4.0s
AUST III 19 02 32 40.7 2.00N 97.00E 0 4.5b,4.0s
DJA III 19 02 32 40.3–4.0 2N–8.0 97E–37 21–10 4.8b,4.6b
IDC III 19 02 32 41.1–.58 1.61N 96.90E 28–2 4.2,4.1b
NEIC III 19 02 32 42.1–.25 1.63N 96.93E 35 4.5b,4.1b
ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=6.4km az=107.5.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.1km az=41.8.
IDC Error ellipse: s-maj=18.3km s-min=10.1km az=47.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.6km az=223.0.
ISC III 20 13 42 46.8–.66 1.29N–.08 96.97E–.08 28 4.4b 98 1-87
IDC III 20 13 42 42.2–.84 1.16N 96.88E 0 4.4,4.3 ¶12703819
ISCJB III 20 13 42 44.9–.49 1.22N–.06 96.97E–.05 28 4.4b,4.3
MOS III 20 13 42 45.6–.81 1.31N 96.91E 33 4.7b,4.3
NEIC III 20 13 42 47.5–.48 1.30N 97.00E 35 4.4b,4.3
DJA III 20 13 42 52.2–.50 1N–4.0 97E–5.0 10 5.1b,4.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC III 21 21 17 27.4–10 2.52N 95.12E 0 3.5L,3.5b
¶12635219
IDC Error ellipse: s-maj=216.2km s-min=114.4km az=149.0.
IDC III 22 03 09 19.3–3.0 2.63N 95.94E 0 3.6b,3.6
¶12635251
IDC Error ellipse: s-maj=118.4km s-min=25.8km az=55.0.
ISC III 22 19 18 56.4–.75 2.70N–.07 95.50E–.09 25 4.4b 78 2-143
DJA III 22 19 18 54.3–.80 3N–5.0 95E–9.0 10 5.7b,5.2 ¶12612726
ISCJB III 22 19 18 55.1–.52 2.67N–.06 95.55E–.05 25 4.4b,5.2
BJI III 22 19 18 59.0 3.40N 95.64E 15 5.0b,4.8s
IDC III 22 19 19 01.4–4.6 2.82N 95.85E 56–39 4.1L,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=4.6km az=40.9.
IDC Error ellipse: s-maj=40.5km s-min=12.0km az=53.0.
ISC III 22 19 23 42.5–.41 2.71N–.04 95.57E–.04 34–0 5.0b,4.4s 328 2-143
IDC III 22 19 23 40.2–4.2 2.68N 95.64E 17–26 4.6L,4.4b ¶15153352
ISCJB III 22 19 23 40.1–.95 2.72N–.03 95.57E–.03 29–6 4.8b,4.5s
BJI III 22 19 23 40.4 2.65N 95.64E 39 5.1b,5.1b
AUST III 22 19 23 41.6–3.4 2.76N 95.62E 27–1 5.1b,5.1b

MOS III 22 19 23 42.3–.78 2.77N 95.68E 50 5.0b,4.0s
DJA III 22 19 23 43.1–.30 3N–3.0 96E–3.0 10 5.2b,5.0
NEIC III 22 19 23 44.2–1.1 2.77N 95.72E 50–10 4.9b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=9.6km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.8km az=38.2.
AUST Error ellipse: s-maj=2.7km s-min=0.9km az=226.0.
MOS Error ellipse: s-maj=9.4km s-min=5.6km az=107.4.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.8km az=50.0.
ISC III 23 01 53 17.7–1.3 2.4N–.20 95.8E–.10 25 4.1b 21 3-52
ISCJB III 23 01 53 15.9–.89 2.4N–.10 95.82E–.07 25 3.9b,3.3s ¶12635346
IDC III 23 01 53 22.5–6.6 2.52N 96.01E 61–52 3.7,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=7.8km az=26.3.
IDC Error ellipse: s-maj=54.7km s-min=16.5km az=53.0.
IDC III 27 00 27 25.1–1.9 0.89N 96.80E 0 3.7b,3.7
¶12635662
IDC Error ellipse: s-maj=32.7km s-min=29.7km az=92.0.
IDC III 29 11 17 41.5–1.8 2.46N 93.57E 0 4.1L,3.8
¶12635858
IDC Error ellipse: s-maj=48.8km s-min=20.5km az=53.0.
ISC IV 03 04 23 56.0–.97 2.55N–.08 95.81E–.09 25 4.0b 19 2-143
ISCJB IV 03 04 23 54.5–.81 2.59N–.08 95.84E–.07 25 3.9b ¶12934413
DJA IV 03 04 23 55.4–1.4 2N–10 96E–11 75–36 4.6b,4.5b
IDC IV 03 04 24 00.5–5.5 2.63N 96.03E 58–45 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=6.7km az=40.6.
IDC Error ellipse: s-maj=44.3km s-min=17.4km az=54.0.
IDC IV 05 04 33 41.7–1.7 5.76N 93.13E 0 3.9,3.7
¶16152401
IDC Error ellipse: s-maj=64.6km s-min=29.3km az=59.0.
ISC IV 14 19 38 16.7–1.1 1.89N–.09 96.64E–.09 28 3.9b 18 1-55
IDC IV 14 19 38 12.6–1.7 1.83N 96.62E 0 3.8,3.8b ¶12935244
ISCJB IV 14 19 38 15.3–.84 1.91N–.07 96.60E–.07 28 3.9b,3.1s
DJA IV 14 19 38 17.3–2.2 2N–8.0 97E–6.0 31–34 4.2b,4.0
ISC Event type ke.
ISCJB Event type ke.
ISC IV 18 04 30 59.9–2.0 1.34N–.07 96.89E–.06 15–12 4.3b 54 1-82
IDC IV 18 04 30 57.4–1.2 1.27N 96.99E 0 4.3,4.2 ¶12935577
NEIC IV 18 04 31 01.1–5.2 1.30N 97.04E 23–35 4.2b,4.2
DJA IV 18 04 31 01.3–.80 1N–7.0 97E–6.0 25–5 4.4b,4.2
ISC Event type ke.
NEIC Event type se.
IDC IV 18 14 35 14.6–6.1 2.38N 95.80E 0 3.7,3.7b
¶16152991
IDC Error ellipse: s-maj=129.3km s-min=38.6km az=21.0.
IDC IV 24 16 23 23.1–1.7 2.36N 95.71E 0 3.6,3.5
¶16153343
IDC Error ellipse: s-maj=45.6km s-min=20.1km az=52.0.
IDC IV 26 01 15 29.8–2.2 2.98N 93.63E 0 3.7,3.6
¶16154501
IDC Error ellipse: s-maj=66.4km s-min=21.8km az=57.0.
IDC IV 28 23 36 12.1–1.8 2.67N 95.17E 0 4.1,4.0
¶16154601
IDC Error ellipse: s-maj=51.2km s-min=23.6km az=44.0.
IDC IV 29 02 00 02.4–3.5 2.79N 95.97E 0 3.9,3.8
¶16154605
IDC Error ellipse: s-maj=160.0km s-min=21.3km az=60.0.
IDC V 06 08 49 47.8–1.3 0.40N 96.57E 31–7 4.0L,3.8
¶16155447
IDC Error ellipse: s-maj=38.4km s-min=18.5km az=64.0.
IDC V 07 14 08 07.5–3.0 4.51N 93.77E 0 3.7,3.5
¶16155487
IDC Error ellipse: s-maj=112.2km s-min=26.6km az=62.0.
ISC V 07 18 53 29.9–.71 2.68N–.07 94.47E–.10 21 4.2b 38 3-144
IDC V 07 18 53 25.6–.84 2.45N 94.36E 0 4.3,4.2 ¶13678516
DJA V 07 18 53 26.0–2.0 3N–6.0 94E–18 10 5.0b,4.7b
ISCJB V 07 18 53 27.6–.64 2.51N–.09 94.44E–.07 21 4.2b,3.5s
ISC Event type ke.
ISCJB Event type ke.
IDC V 10 12 03 54.9–1.5 1.43N 96.82E 0 3.6,3.5
¶16155589
IDC Error ellipse: s-maj=36.9km s-min=22.1km az=49.0.
IDC V 16 00 56 09.5–3.8 2.75N 95.73E 0 3.8,3.7
¶16155787
IDC Error ellipse: s-maj=84.9km s-min=35.4km az=23.0.
ISC V 18 11 50 14.3–.73 2.60N–.07 95.80E–.09 25 4.2b 53 2-143
DJA V 18 11 50 09.9–1.3 2N–9.0 96E–14 10 4.8b,4.5 ¶15154382
IDC V 18 11 50 10.8–1.2 2.59N 95.81E 0 4.2,4.1
ISCJB V 18 11 50 12.8–.61 2.62N–.06 95.79E–.07 25 4.1b,4.1
NEIC V 18 11 50 16.1–.48 2.65N 95.88E 35 4.0b,4.1
AUST V 18 11 50 16.1–.04 2.58N 95.76E 43–2 4.0b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=39.2km s-min=15.0km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=5.0km az=141.1.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.5km az=222.0.
AUST Error ellipse: s-maj=3.6km s-min=1.2km az=254.0.
ISC V 20 13 15 32.6–.52 4.89N–.06 94.92E–.08 50 4.2b 59 1-142
DJA V 20 13 15 19.8–1.2 5N–5.0 94E–7.0 10 4.7,4.6 ¶15154426
IDC V 20 13 15 25.3–.72 4.92N 95.00E 0 4.3,4.2
AUST V 20 13 15 28.9–1.9 4.75N 94.55E 40–0 4.3,4.2
ISCJB V 20 13 15 30.9–.35 4.81N–.05 94.88E–.05 50 4.2b,4.0s
ISC Event type ke.
ISCJB Event type ke.
ISC V 21 06 14 07.5–.47 1.40N–.05 96.98E–.05 31–2 4.8s,4.5b 159 1-144
DJA V 21 06 14 02.6–1.4 1N–6.0 97E–8.0 35–12 4.7,4.7 ¶12847813
BJI V 21 06 14 04.4 1.11N 97.07E 39 5.2b,5.0s
IDC V 21 06 14 06.6–.61 1.43N 97.01E 25–3 4.8L,4.2
ISCJB V 21 06 14 07.6–.77 1.47N–.05 97.05E–.05 44–6 4.8s,4.5b
NEIC V 21 06 14 07.3–.30 1.53N 97.04E 26 4.5b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=11.0km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.0km az=138.5.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=50.0.
IDC V 23 12 43 00.9–3.0 2.55N 95.70E 0 3.9L,3.7
¶16156050
IDC Error ellipse: s-maj=112.9km s-min=21.3km az=61.0.
IDC V 24 22 45 33.6–2.3 0.73N 96.98E 0 3.9,3.8
¶16156125
IDC Error ellipse: s-maj=74.1km s-min=21.5km az=60.0.
IDC V 25 19 29 15.1–8.0 4.01N 94.71E 0 3.4,3.2
¶16156156
IDC Error ellipse: s-maj=394.1km s-min=30.3km az=57.0.
IDC V 28 00 10 19.7–3.2 2.52N 95.71E 0 4.4L,3.9
¶16156242
IDC Error ellipse: s-maj=111.4km s-min=31.0km az=60.0.
IDC V 30 04 05 02.0–2.7 4.94N 93.75E 0 4.1L,3.8
¶16066062
IDC Error ellipse: s-maj=106.0km s-min=23.2km az=61.0.
IDC V 30 09 22 42.3–9.1 1.36N 96.94E 0 4.2L,3.9
¶16066074
IDC Error ellipse: s-maj=186.8km s-min=118.5km az=139.0.
IDC V 31 13 57 49.9–15 0.10N 96.26E 0 3.3,3.3
¶16066117
IDC Error ellipse: s-maj=787.8km s-min=30.3km az=57.0.
IDC VI 09 05 40 14.0–17 1.20N 96.92E 0 4.3,4.3
¶16101136
IDC Error ellipse: s-maj=347.6km s-min=57.6km az=4.0.
ISC VI 15 09 38 29.5–.88 1.7N–.10 96.9E–.10 28 4.3b 36 5-143
IDC VI 15 09 38 25.0–1.0 1.61N 96.85E 0 4.4L,4.3 ¶13681408
ISCJB VI 15 09 38 27.6–.70 1.68N–.10 96.92E–.08 28 4.2b,3.5s
NEIC VI 15 09 38 30.4–.45 1.68N 96.93E 35 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=17.1km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=10.1km az=29.5.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.9km az=211.0.
ISC VI 19 02 54 16.5–.87 2.8N–.10 93.33E–.09 17 3.8b,3.3s 23 3-146
ISCJB VI 19 02 54 13.1–.87 2.7N–.10 93.26E–.07 17 3.8b,3.4s ¶13681632
IDC VI 19 02 54 17.0–1.0 2.76N 93.34E 29–5 4.1L,3.9
DJA VI 19 02 54 21.6–1.5 3N–10 94E–11 10 5.0b,4.7b
ISC Event type ke.
ISCJB Event type ke.
IDC VI 20 11 10 58.5–3.2 3.63N 95.68E 0 3.8,3.5
¶16101530
IDC Error ellipse: s-maj=63.5km s-min=44.8km az=54.0.
IDC VI 21 13 42 10.3–2.2 2.63N 95.41E 0 3.7,3.6
¶16101573
IDC Error ellipse: s-maj=63.6km s-min=22.7km az=58.0.
IDC VI 22 21 27 09.0–7.0 1.98N 96.73E 47–53 4.1,4.0
¶16101623
IDC Error ellipse: s-maj=80.6km s-min=19.9km az=61.0.
IDC VI 28 10 09 36.3–2.8 5.01N 93.63E 0 3.8,3.7L
¶16101819
IDC Error ellipse: s-maj=104.9km s-min=24.1km az=62.0.
ISC VI 28 13 31 42.1–.64 1.22N–.06 96.98E–.07 25 4.5b,3.9s 71 1-144
IDC VI 28 13 31 37.8–.83 1.19N 97.02E 0 4.4,4.3 ¶13383586
BJI VI 28 13 31 39.3 1.04N 97.20E 30 4.9b,4.7b
ISCJB VI 28 13 31 40.8–.53 1.20N–.06 97.06E–.05 25 4.3b,3.8s
DJA VI 28 13 31 44.3–1.4 1N–6.0 97E–8.0 26–25 4.8b,4.7b
ISC Event type ke.
ISCJB Event type ke.
ISC VI 30 17 54 12.9–.65 5.69N–.08 93.10E–.07 34–2 4.2b,3.8s 51 2-159
DJA VI 30 17 54 06.5–4.6 5N–25 93E–35 10 5.2b,4.7 ¶13682333
ISCJB VI 30 17 54 11.4–1.9 5.67N–.08 93.2E–.10 37–17 4.1b,3.7s
IDC VI 30 17 54 12.9–.58 5.71N 93.17E 33–4 4.1,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.9km s-min=8.1km az=145.8.
IDC Error ellipse: s-maj=21.6km s-min=9.4km az=51.0.
IDC VI 30 18 48 16.0–8.8 4.52N 94.91E 65–67 3.5L,3.4
¶16101908
IDC Error ellipse: s-maj=107.9km s-min=18.6km az=57.0.

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IDC I 03 11 09 45.6–4.7 1.81N 98.21E 0 3.7,3.6
¶12079895
IDC Error ellipse: s-maj=256.5km s-min=19.3km az=56.0.
ISC I 05 14 43 12.6–.71 5.0N–.10 94.4E–.10 43 4.5b 41 6-149
BJI I 05 14 43 04.8 4.60N 94.84E 23 4.8b,4.6b ¶11528543
IDC I 05 14 43 06.6–.68 5.04N 94.40E 0 4.4,4.3b
ISCJB I 05 14 43 10.8–.59 5.00N–.09 94.42E–.08 43 4.3b,4.3b
DJA I 05 14 43 14 4.94N 94.71E 8 4.6b,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=34.8km s-min=14.9km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=8.1km az=39.9.
ISC I 07 02 39 43.4–.81 2.63N–.09 96.01E–.08 25 4.3b 50 1-83
IDC I 07 02 39 38.3–1.4 2.36N 95.84E 0 4.3L,4.2 ¶12080589
DJA I 07 02 39 40 2.51N 95.90E 10 4.0,4.2
ISCJB I 07 02 39 41.4–.68 2.49N–.09 95.94E–.07 25 4.1b,4.2
NEIC I 07 02 39 43.8–.55 2.42N 95.98E 35 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=59.2km s-min=19.9km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=6.9km az=35.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.0km az=211.0.
IDC I 07 22 35 51.4–2.8 2.03N 96.60E 0 4.0,3.9L
¶12080686
IDC Error ellipse: s-maj=100.8km s-min=27.7km az=58.0.
IDC I 08 18 01 11.2–3.7 0.80N 99.03E 0 3.6,3.5b
¶12080765
IDC Error ellipse: s-maj=158.6km s-min=26.5km az=55.0.
IDC I 08 18 51 21.6–2.4 1.92N 97.64E 0 3.7b,3.7
DJA I 08 18 51 16 3.26N 99.50E 276 3.4,3.7 ¶12080770
IDC Error ellipse: s-maj=99.6km s-min=22.1km az=58.0.
IDC I 09 00 24 06.5–59 0.04N 97.17E 0 3.5b,3.5
¶12080791
IDC Error ellipse: s-maj=1150.0km s-min=151.9km az=175.0.
IDC I 12 00 21 20.7–1.5 0.96N 98.55E 0 4.1L,4.0b
DJA I 12 00 21 35 1.43N 99.03E 61 3.5,4.0b ¶12081075
IDC Error ellipse: s-maj=45.4km s-min=23.4km az=50.0.
ISC I 12 02 04 25.9–.48 3.39N–.07 96.11E–.08 38 4.3b,3.4s 68 1-160
IDC I 12 02 04 20.1–.51 3.44N 96.22E 0 4.4,4.3 ¶12081079
ISCJB I 12 02 04 24.1–.38 3.36N–.07 96.02E–.06 38 4.3b,3.4s
DJA I 12 02 04 25 3.39N 96.06E 12 4.5,3.4s
NEIC I 12 02 04 31.5–1.8 3.44N 96.30E 91–16 4.3b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=12.2km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.9km az=34.5.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=6.8km az=55.0.
IDC I 12 06 28 16.4–9.9 2.45N 99.07E 0 3.6,3.5b
DJA I 12 06 28 14 1.48N 97.84E 115 4.1,3.5b ¶12081093
IDC Error ellipse: s-maj=495.2km s-min=31.1km az=55.0.
ISC I 14 22 46 09.6–2.0 2.6N–.30 96.0E–.40 25 4.1b 16 16-58
IDC I 14 22 46 04.9–2.5 2.40N 95.76E 0 4.1,4.1L ¶12081298
ISC Event type ke.
IDC Error ellipse: s-maj=95.2km s-min=20.0km az=59.0.
ISC I 17 04 39 04.7–.67 4.80N–.08 95.86E–.09 176–3 4.2b 160 14-127
IDC I 17 04 38 51.2–6.6 4.64N 95.73E 52–59 4.1b,4.1 ¶11596154
DJA I 17 04 38 56 4.34N 95.72E 59 4.4,4.1
NEIC I 17 04 38 59.3–2.0 4.66N 95.81E 128–18 4.5b,4.1
ISCJB I 17 04 39 00.1–1.6 4.75N–.05 95.94E–.06 146–14 4.3b,4.1
BJI I 17 04 39 00.3 4.43N 95.85E 177 4.9b,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=11.7km az=55.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=5.1km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=8.1km az=146.1.
IDC I 18 19 11 27.8–2.3 1.03N 97.30E 0 3.9L,3.6
¶12081664
IDC Error ellipse: s-maj=99.5km s-min=25.0km az=58.0.
ISC I 24 00 36 15.0–.38 0.17N–.04 97.05E–.05 34–0 4.9b,4.1s 379 1-146
ISCJB I 24 00 36 10.5–.97 0.14N–.03 96.99E–.03 18–7 4.9b,4.2s ¶13433960
MOS I 24 00 36 12.7–1.2 0.18N 97.07E 33 5.0b,4.1s
BJI I 24 00 36 13.9 0.17N 97.02E 42 5.2b,4.9b
DJA I 24 00 36 13 0.15N 97.06E 24 5.1b,4.9b
NEIC I 24 00 36 14.4–.24 0.11N 97.03E 35 5.2b,4.9b
IDC I 24 00 36 14.5–.58 0.10N 96.96E 35–4 5.2L,4.4
TEH I 24 00 36 15.0 0.11N 97.01E 35 5.1L,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.5km az=42.7.
MOS Error ellipse: s-maj=11.1km s-min=5.3km az=109.5.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.1km az=48.0.
IDC Error ellipse: s-maj=16.8km s-min=8.9km az=43.0.
ISC I 26 05 23 25.4–.30 0.07N–.03 99.98E–.04 136–1 5.0b 753 1-160
SZGRF I 26 05 23 14.4 0.13N 100.38E 33 4.8b ¶11617570
BJI I 26 05 23 16.1 0.77S 100.05E 129 5.1b,4.8b
MOS I 26 05 23 22.7–1.1 0.24N 100.22E 119 5.0b,4.8b
ISCJB I 26 05 23 24.1–.31 0.08N–.03 99.98E–.03 137–3 4.8b,4.8b
TEH I 26 05 23 24.0 0.05S 99.91E 130 5.1L,4.8b
NEIC I 26 05 23 24.6–.21 0.07N 100.04E 128 5.0b,4.8b
DJA I 26 05 23 25 0.05S 99.83E 115 5.1W,4.8b
IDC I 26 05 23 26.5–1.1 0.11N 100.21E 142–8 4.4,4.4
ISC Event type se.
SZGRF Northern Sumatera, Indonesia.
MOS Error ellipse: s-maj=11.4km s-min=5.6km az=110.8.

ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.3km az=135.7.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.7km az=60.0.
IDC Error ellipse: s-maj=13.5km s-min=8.1km az=54.0.
ISC I 27 20 31 29.9–.42 0.40N–.05 97.35E–.05 20–2 4.9b,4.2s 369 1-146
BJI I 27 20 31 23.8 0.09S 97.32E 15 5.0b,4.8s **¶13434042**
IDC I 27 20 31 26.2–.55 0.33N 97.26E 0 4.6b,4.6
ISCJB I 27 20 31 28.9–1.1 0.39N–.04 97.32E–.04 24–7 4.8b,4.3s
MOS I 27 20 31 29.7–1.1 0.42N 97.42E 33 5.0b,4.3s
NEIC I 27 20 31 30.7–3.4 0.37N 97.37E 28–23 4.9b,4.3s
DJA I 27 20 31 30 0.37N 97.26E 33 4.9,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=12.3km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=137.4.
MOS Error ellipse: s-maj=12.1km s-min=5.5km az=111.5.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.5km az=48.0.
ISC I 28 20 20 22.3–2.7 1.4N–.30 97.4E–.50 30 3.6b 6 17-53
IDC I 28 20 20 17.6–2.6 1.33N 97.37E 0 3.6b,3.6 **¶12082609**
ISCJB I 28 20 20 20.1–2.3 1.4N–.20 97.4E–.40 30 3.6b,3.6
DJA I 28 20 20 23 0.85N 97.28E 10 3.5,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=79.3km s-min=26.7km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=64.1km s-min=22.3km az=153.4.
IDC I 30 02 15 48.1–3.1 1.27N 98.26E 0 3.6,3.5b
DJA I 30 02 15 54 1.00N 97.62E 38 3.2,3.5b **¶12082705**
IDC Error ellipse: s-maj=135.1km s-min=20.6km az=57.0.
IDC I 30 21 59 52.3–12 2.33N 98.90E 170–114 3.1,3.0b
DJA I 30 21 59 51 2.39N 98.90E 133 3.2,3.0b **¶12082767**
IDC Error ellipse: s-maj=115.9km s-min=18.7km az=59.0.
ISC I 31 04 50 54.5–.83 4.0N–.10 96.59E–.10 63 4.2b 31 4-94
IDC I 31 04 50 45.9–1.0 3.93N 96.55E 0 4.2,4.1b **¶12082786**
NEIC I 31 04 50 50.5–.53 3.77N 96.34E 35 4.4b,4.1b
ISCJB I 31 04 50 52.3–.58 3.95N–.09 96.62E–.07 63 4.2b,4.1b
DJA I 31 04 50 56 3.74N 96.53E 68 4.1,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=16.5km az=56.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=8.3km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.4km az=32.1.
ISC I 31 06 35 13.5–.36 5.04N–.05 94.68E–.05 62 4.8b 417 1-142
BJI I 31 06 35 09.5 4.61N 94.70E 76 5.1b,4.9b **¶11657497**
MOS I 31 06 35 11.8–.97 5.13N 94.86E 58 5.2b,4.9b
ISCJB I 31 06 35 11.9–.22 5.04N–.04 94.79E–.03 59 4.8b,3.8s
IDC I 31 06 35 12.2–.65 5.05N 94.77E 49–4 4.4,4.4
SZGRF I 31 06 35 14.1 4.69N 95.27E 86 5.1b,4.4
NEIC I 31 06 35 15.3–1.2 5.01N 94.82E 78–10 4.8b,4.4
DJA I 31 06 35 15 5.16N 94.95E 51 4.7,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=12.0km s-min=5.3km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.0km az=22.3.
IDC Error ellipse: s-maj=18.8km s-min=11.8km az=47.0.
SZGRF Northern Sumatera, Indonesia.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=4.8km az=51.0. Felt at Banda Aceh.
IDC I 31 16 13 52.5–33 4.13N 95.14E 0 3.9,3.7b
¶12082841
IDC Error ellipse: s-maj=676.7km s-min=306.7km az=151.0.
IDC II 02 09 36 53.9–3.0 2.96N 96.00E 0 4.0,3.9
¶15954886
IDC Error ellipse: s-maj=129.8km s-min=20.2km az=58.0.
ISC II 04 09 03 45.8–.35 2.31N–.04 96.10E–.05 29–1 4.8b,4.2s 292 1-143
SZGRF II 04 09 03 30.9 0.84S 98.92E 33 4.9b,4.2s **¶11667290**
DJA II 04 09 03 41 2.33N 95.98E 10 5.0,4.2s
BJI II 04 09 03 43.7 2.12N 96.12E 41 5.0b,4.9b
ISCJB II 04 09 03 43.9–.97 2.34N–.03 96.15E–.03 27–7 4.8b,4.2s
MOS II 04 09 03 44.6–1.1 2.39N 96.27E 31 4.8b,4.0s
IDC II 04 09 03 45.1–.47 2.33N 96.17E 23–2 4.5L,4.4
NEIC II 04 09 03 45.4–.26 2.36N 96.22E 25 4.9b,4.4
ISC Event type se.
SZGRF Southern Sumatera, Indonesia.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=39.7.
MOS Error ellipse: s-maj=13.0km s-min=6.7km az=98.9.
IDC Error ellipse: s-maj=16.2km s-min=10.5km az=54.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.3km az=45.0.
IDC II 04 09 30 41.4–2.4 1.84N 97.36E 0 3.7,3.6
DJA II 04 09 30 37 0.96N 97.01E 22 3.7,3.6 **¶12699526**
IDC Error ellipse: s-maj=73.9km s-min=21.5km az=62.0.
IDC II 06 15 34 12.5–3.1 2.40N 96.18E 0 3.8,3.8b
DJA II 06 15 34 14 2.34N 95.97E 24 3.5,3.8b **¶12699680**
IDC Error ellipse: s-maj=112.2km s-min=27.0km az=60.0.
IDC II 08 19 08 07.8–2.4 0.21N 97.49E 0 3.8,3.7
DJA II 08 19 08 16 0.62N 97.61E 49 3.6,3.7 **¶12699799**
IDC Error ellipse: s-maj=78.9km s-min=20.4km az=61.0.
IDC II 09 04 27 25.8–1.2 0.17N 97.45E 22–4 4.1L,3.8
DJA II 09 04 27 17 0.05S 96.77E 20 4.2,3.8 **¶12699824**
IDC Error ellipse: s-maj=52.0km s-min=14.8km az=54.0.
ISC II 10 18 50 09.0–.53 5.59N–.05 94.81E–.06 90–3 4.6b 188 0-99
MOS II 10 18 50 05.0–.91 5.60N 94.81E 67 4.8b **¶13434442**
BJI II 10 18 50 05.1 5.31N 94.93E 87 5.0b,4.7b
ISCJB II 10 18 50 06.8–.63 5.53N–.05 94.80E–.05 85–6 4.6b,4.7b
IDC II 10 18 50 06.8–3.3 5.57N 94.76E 68–29 4.7L,4.2
NEIC II 10 18 50 08.8–1.1 5.59N 94.86E 86–9 4.7b,4.2
DJA II 10 18 50 10 5.33N 94.83E 43 4.9b,4.2
ISC Event type fe.
MOS Error ellipse: s-maj=13.3km s-min=6.9km az=104.7.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=5.6km az=138.6.
IDC Error ellipse: s-maj=27.7km s-min=13.2km az=56.0.
NEIC Event type fe. Error ellipse: s-maj=12.1km s-min=5.3km az=59.0. Felt at Banda Aceh and Sabang.
IDC II 10 20 10 21.5–2.5 0.88N 97.31E 0 3.6,3.5
DJA II 10 20 10 24 0.94N 97.45E 10 3.4,3.5 **¶12699933**
IDC Error ellipse: s-maj=95.3km s-min=25.7km az=56.0.
ISC II 11 21 11 35.6–.51 2.59N–.06 100.02E–.06 200 4.0b 41 1-146
ISCJB II 11 21 11 34.0–.42 2.71N–.06 99.93E–.09 200 3.8b **¶13434498**
NEIC II 11 21 11 36.8–.57 2.45N 99.75E 223–4 4.0b
IDC II 11 21 11 36.7–1.0 2.45N 99.72E 218–4 3.7,3.7b
DJA II 11 21 11 37 2.31N 99.67E 218 3.9,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=8.2km az=161.8.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.6km az=69.0.
IDC Error ellipse: s-maj=29.6km s-min=16.6km az=85.0.
ISC II 13 13 43 47.4–1.1 2.02N–.09 96.67E–.09 28 3.7b 15 1-53
IDC II 13 13 43 42.8–1.5 1.87N 96.61E 0 3.9,3.7 **¶12700520**
ISCJB II 13 13 43 45.0–.94 1.94N–.08 96.52E–.08 28 3.7b,3.7
DJA II 13 13 43 46.5–1.2 2N–7.0 97E–9.0 21–14 4.0b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC II 13 13 45 37.5–.73 2.01N–.06 96.69E–.08 28 4.2b 37 1-82
IDC II 13 13 45 33.1–1.2 1.91N 96.57E 0 4.3,4.2 **¶12700521**
ISCJB II 13 13 45 35.1–.58 1.93N–.06 96.52E–.06 28 4.4b,4.2
NEIC II 13 13 45 38.4–.47 1.96N 96.67E 35 4.9b,4.2
DJA II 13 13 45 38.1–2.0 2N–12 97E–35 10–35 4.4b,4.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC II 14 19 13 09.9–1.0 2.61N–.07 96.7E–.10 30 3.9b 15 1-79
DJA II 14 19 13 04 2.63N 96.18E 10 4.1 **¶12700694**
IDC II 14 19 13 05.3–1.8 2.49N 96.69E 0 4.0b,4.0
ISCJB II 14 19 13 08.4–.95 2.57N–.08 96.7E–.10 30 4.0b,2.9s
ISC Event type ke.
ISCJB Event type ke.
ISC II 14 21 58 52.9–.57 1.78N–.07 97.02E–.08 28 4.5b 92 1-145
IDC II 14 21 58 48.5–.99 1.69N 96.96E 0 4.4,4.3 **¶12700709**
BJI II 14 21 58 49.9 1.76N 97.31E 18 5.1b,4.6b
DJA II 14 21 58 51 1.79N 96.84E 10 4.4,4.6b
ISCJB II 14 21 58 52.1–.42 1.81N–.05 97.02E–.05 28 4.5b,4.6b
NEIC II 14 21 58 54.7–1.8 1.77N 97.10E 40–14 4.7b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=20.7km az=11.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.6km az=39.8.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.2km az=49.0.
IDC II 15 07 57 44.8–3.1 2.03N 96.47E 0 3.8L,3.6
¶15956139
IDC Error ellipse: s-maj=126.9km s-min=26.3km az=57.0.
ISC II 17 17 47 36.3–1.8 3.22N–.07 97.16E–.07 2–12 3.5b 13 0-52
IDC II 17 17 47 35.4–6.6 2.59N 96.91E 66–62 3.7L,3.3 **¶12701035**
DJA II 17 17 47 38 3.31N 97.24E 5 3.8,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=95.5km s-min=46.2km az=9.0.
IDC II 18 00 09 38.6–2.0 1.02N 97.07E 0 3.7,3.6L
¶15956524
IDC Error ellipse: s-maj=50.9km s-min=27.2km az=53.0.
ISC II 19 11 38 11.3–.82 0.08N–.05 97.08E–.10 22 4.3b,3.3s 60 1-145
ISCJB II 19 11 38 10.0–.61 0.12N–.04 97.09E–.07 22 4.2b,3.2s **¶12701238**
NEIC II 19 11 38 13.5–.54 0.12N 97.10E 35 4.1b,3.2s
IDC II 19 11 38 13.8–9.0 0.12N 97.11E 33–64 4.3L,4.1
DJA II 19 11 38 22 0.87N 97.18E 59 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.8km az=173.3.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=8.2km az=82.0.
IDC Error ellipse: s-maj=47.6km s-min=15.6km az=65.0.
ISC II 20 11 41 11.2–.97 1.43N–.09 99.04E–.09 90 3.6b 13 1-54
ISCJB II 20 11 41 09.8–.80 1.40N–.08 99.07E–.07 90 3.7b **¶12701331**
IDC II 20 11 41 11.3–4.1 1.38N 99.01E 92–22 3.6,3.4
DJA II 20 11 41 14.4–1.7 1N–8.0 99E–4.0 67–25 3.5,3.5
ISC Event type ke.
ISCJB Event type ke.
IDC II 22 21 56 46.7–2.3 0.24N 97.87E 0 3.5,3.5b
¶15956974
IDC Error ellipse: s-maj=70.5km s-min=28.0km az=61.0.
ISC II 23 05 56 32.0–.19 0.51N–.03 98.55E–.03 40 5.7b,5.0s 1582 1-177
BJI II 23 05 56 29.4 0.32N 98.63E 45 5.8b,5.6b **¶11713581**
MOS II 23 05 56 30.3–.99 0.62N 98.62E 33 6.0b,4.8s
NEIC II 23 05 56 31.7–.11 0.48N 98.55E 35 5.8b,5.4W
ISCJB II 23 05 56 31.2–.11 0.57N–.02 98.49E–.02 40 5.7b,5.0s
TEH II 23 05 56 31.7 0.49N 98.54E 35 5.4L,5.0s
IDC II 23 05 56 31.2–1.5 0.50N 98.65E 32–10 5.9L,5.3
DJA II 23 05 56 34 0.56N 98.36E 51 5.3W,5.3
SZGRF II 23 05 56 40.0 0.04N 97.39E 38 5.7b,4.4s
ISC Event type fe.
MOS Error ellipse: s-maj=7.5km s-min=3.9km az=115.4.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=220.0. Felt [III] on Nias. Felt [IV] at Natal and Tarutung, [III] at Sibolga and [II] at Aek godang and Lubuksikaping, Sumatra. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s349.00000°,δ35.00000° ,λ128.00000°. NP2:ϕ_s126.00000°,δ63.00000°,λ67.00000°. Principal axes: T 1.2400,Plg64.0000°,Azm356.0000°; N 0.1200,Plg20.0000°,Azm137.0000° ; P -1.3500,Plg15.0000°,Azm232.0000° $M_0$1.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=25.5.
IDC Error ellipse: s-maj=11.8km s-min=7.9km az=42.0.
SZGRF Northern Sumatera, Indonesia.
IDC II 24 01 52 43.9–1.9 0.80N 97.11E 0 3.7,3.7
¶15957128
IDC Error ellipse: s-maj=52.2km s-min=26.3km az=52.0.
ISC II 24 12 13 14.6–.30 1.44N–.03 97.14E–.03 32–1 5.6s,5.5b 897 2-175
ISCJB II 24 12 13 12.8–.69 1.49N–.03 97.15E–.02 27–4 5.6s,5.4b **¶13435047**
BJI II 24 12 13 13.5 1.47N 97.28E 36 5.9s,5.9
NEIC II 24 12 13 13.6–.16 1.43N 97.17E 23 5.7s,5.6b
MOS II 24 12 13 13.5–1.0 1.51N 97.23E 33 5.8b,5.4s
DJA II 24 12 13 14 1.56N 97.10E 10 5.2b,5.4s
IDC II 24 12 13 15.1–1.9 1.44N 97.20E 37–14 5.3,5.3s
SZGRF II 24 12 13 18.5 2.07N 95.41E 33 5.2b,5.2s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.4km az=15.6.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.9km az=203.0. Felt [IV] at Gunungsitoli. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s130.00000°,δ75.00000°,λ90.00000°. NP2:ϕ_s310.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm40.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000° ,Azm220.0000° Moment Tensor Solution. s64 Moment tensor: Scale 10^{17}Nm; M_{rr}2.08 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-1.41 $M_{r\theta}$1.16 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.96 Best double couple: NP1:ϕ_s339.00000° ,δ27.00000°,λ107.00000°. NP2:ϕ_s139.00000°,δ64.00000°,λ81.00000°. Principal axes: T 2.6300,Plg69.0000°,Azm31.0000°; N -0.4600,Plg7.0000°,Azm143.0000° ; P -2.1800,Plg18.0000°,Azm235.0000° $M_0$2.40000×10^{17}
MOS Error ellipse: s-maj=7.8km s-min=4.1km az=115.6.
IDC Error ellipse: s-maj=13.2km s-min=8.4km az=34.0.
SZGRF Off west coast of northern Sumatera, Indonesia.
ISC II 24 12 53 59.8–1.4 1.6N–.10 97.1E–.10 28 3.8b 13 2-53
DJA II 24 12 53 55.6–4.4 1N–18 97E–31 74–53 3.8b,3.8 **¶12701749**
IDC II 24 12 53 55.6–1.5 1.68N 96.82E 0 3.6,3.6b
ISCJB II 24 12 53 58.4–1.3 1.6N–.10 97.0E–.10 28 3.5b,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC II 26 06 54 23.1–1.3 1.0N–.10 97.2E–.10 25 3.9b 13 0-54
IDC II 26 06 54 18.8–1.8 0.87N 97.16E 0 3.9,3.8L **¶12701898**
ISCJB II 26 06 54 20.2–1.1 0.9N–.10 97.03E–.08 25 3.8b,3.5s
DJA II 26 06 54 27 1.43N 97.35E 5 3.8,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=44.9km s-min=25.5km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=11.1km az=163.0.
ISC II 26 06 58 35.9–1.8 1.0N–.10 97.2E–.10 25 3.8b 11 0-54
DJA II 26 06 58 34.6–1.8 1N–12 97E–9.0 18–10 3.6,3.6 **¶12701899**
IDC II 26 06 58 35.3–2.0 1.41N 97.04E 0 4.2L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=50.2km s-min=25.5km az=52.0.
ISC II 26 07 03 01.0–.98 1.04N–.09 97.15E–.10 25 4.1b 21 0-144
IDC II 26 07 02 57.0–1.3 0.94N 97.17E 0 4.0,3.9 **¶12701900**
ISCJB II 26 07 02 58.6–.77 0.95N–.07 97.03E–.06 25 3.9b,3.1s
DJA II 26 07 02 59.2–2.2 1N–8.0 97E–11 14–10 4.4b,4.2
ISC Event type ke.
ISCJB Event type ke.
ISC II 26 12 42 55.0–.96 2.3N–.10 96.6E–.10 30 4.2b 38 2-145
IDC II 26 12 42 50.4–.89 2.24N 96.50E 0 4.1,4.0 **¶12701923**
ISCJB II 26 12 42 52.8–.70 2.26N–.09 96.54E–.08 30 4.1b,4.0
NEIC II 26 12 42 55.6–.44 2.28N 96.60E 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=13.6km az=35.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=9.8km az=37.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.5km az=219.0.
IDC II 26 17 26 22.2–1.1 0.68N 97.20E 21–5 3.8,3.8b
¶15957370
IDC Error ellipse: s-maj=34.3km s-min=16.6km az=64.0.
ISC II 26 18 35 33.4–.73 2.26N–.07 100.26E–.05 35 3.9b 22 1-80
ISCJB II 26 18 35 31.6–.64 2.21N–.08 100.25E–.05 33 3.9b **¶15957372**
IDC II 26 18 35 34.5–2.5 2.23N 100.23E 43–27 3.9,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=6.9km az=21.3.
IDC Error ellipse: s-maj=27.2km s-min=13.4km az=44.0.
ISC II 27 05 25 48.4–.42 1.56N–.04 97.04E–.05 33–1 5.0b,4.4s 322 1-145
IDC II 27 05 25 42.7–.63 1.46N 96.97E 0 5.0L,4.7 **¶13435138**
BJI II 27 05 25 44.4 1.21N 97.22E 36 5.1b,5.0b
MOS II 27 05 25 46.6–1.0 1.60N 97.12E 33 5.1b,4.5s
SZGRF II 27 05 25 47.9 1.86N 97.81E 33 4.7b,4.5s
DJA II 27 05 25 47 1.67N 97.09E 10 4.8,4.5s

ISCJB II 27 05 25 47.8–.57 1.59N–.04 97.11E–.03 41–5 4.9b,4.4s
NEIC II 27 05 25 48.5–.33 1.52N 97.09E 35 5.1b,4.4s
TEH II 27 05 25 49.0 1.59N 97.13E 35 4.9L,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=12.1km az=45.0.
MOS Error ellipse: s-maj=10.4km s-min=5.4km az=105.7.
SZGRF Northern Sumatera, Indonesia.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=30.6.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.2km az=40.0.
ISC II 28 14 27 57.6–1.1 2.31N–.08 96.1E–.10 25 3.9b 18 1-79
DJA II 28 14 27 54.8–1.8 2N–7.0 96E–7.0 4–15 5.0b,4.5b **¶12702108**
ISCJB II 28 14 27 55.7–.91 2.26N–.06 96.09E–.08 25 3.9b,4.5b
IDC II 28 14 28 01.0–9.1 2.39N 96.31E 47–71 3.8L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=7.5km az=151.5.
IDC Error ellipse: s-maj=111.1km s-min=19.5km az=59.0.
IDC II 28 20 14 08.6–1.4 1.66N 99.39E 170–5 3.4,3.4b
¶15957547
IDC Error ellipse: s-maj=60.4km s-min=14.1km az=56.0.
ISC II 28 21 26 54.6–.60 3.09N–.06 96.01E–.05 31 4.6b 80 1-94
IDC II 28 21 26 49.5–.89 3.00N 95.94E 0 4.4L,4.3 **¶12702147**
DJA II 28 21 26 50.7–1.1 3N–6.0 95E–10 19 4.8b,4.7b
ISCJB II 28 21 26 53.5–1.2 2.86N–.07 95.70E–.07 49–10 4.5b,3.8s
NEIC II 28 21 26 57.5–2.0 3.02N 95.92E 63–16 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=15.5km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=6.7km az=138.7.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=7.8km az=55.0.
IDC III 02 07 31 48.4–3.2 5.10N 96.17E 0 3.7,3.6b
¶12702243
IDC Error ellipse: s-maj=135.6km s-min=20.7km az=61.0.
ISC III 02 18 35 20.1–.60 4.91N–.05 96.07E–.06 148–5 4.5b 249 1-127
AUST III 02 18 35 16.1–1.2 5.15N 95.91E 98–0 4.5b **¶15153010**
BJI III 02 18 35 17.3 4.72N 95.92E 162 4.8b,4.6b
ISCJB III 02 18 35 19.6–.36 4.97N–.05 96.08E–.05 152–3 4.4b,4.6b
SZGRF III 02 18 35 19.7 4.96N 96.48E 144 5.0b,4.6b
NEIC III 02 18 35 19.5–.24 4.95N 96.01E 139 4.6b,4.6b
IDC III 02 18 35 20.6–1.9 4.99N 96.05E 150–15 4.0,3.9b
DJA III 02 18 35 21.4–.50 5N–3.0 96E–4.0 130–5 4.3,4.3
ISC Event type se.
ISCJB Event type se.
SZGRF Northern Sumatera, Indonesia.
NEIC Event type se.
ISC III 02 20 09 04.4–.95 0.7N–.10 97.20E–.09 23 4.0b 20 3-85
IDC III 02 20 09 00.9–1.0 0.63N 97.14E 0 4.0,3.9b **¶12702295**
ISCJB III 02 20 09 03.0–.78 0.77N–.09 97.22E–.09 23 3.9b,3.9b
DJA III 02 20 09 09.4–2.8 1N–5.0 97E–7.0 31–35 4.1b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC III 03 02 03 49.5–3.9 1.42N 99.24E 95–17 3.6,3.4b
¶12702318
IDC Error ellipse: s-maj=114.0km s-min=21.8km az=59.0.
IDC III 03 10 44 08.8–1.9 2.01N 96.37E 25–7 3.5,3.4b
¶12702339
IDC Error ellipse: s-maj=55.1km s-min=22.0km az=51.0.
IDC III 03 11 06 31.3–1.7 2.08N 96.40E 27–6 3.7L,3.6
¶12702340
IDC Error ellipse: s-maj=49.3km s-min=19.5km az=51.0.
IDC III 03 13 36 33.7–1.9 0.45N 97.34E 0 3.6L,3.6
¶12702351
IDC Error ellipse: s-maj=58.6km s-min=20.8km az=63.0.
ISC III 03 17 11 48.4–.65 1.93N–.04 99.16E–.05 10 3.5b 21 1-80
IDC III 03 17 11 47.5–1.2 1.87N 99.20E 0 3.7L,3.6b **¶12702366**
ISCJB III 03 17 11 48.3–.46 1.93N–.04 99.15E–.05 10 3.5b,3.1s
DJA III 03 17 11 50.9–.30 2N–3.0 99E–3.0 10 3.9,3.9
ISC Event type ke.
ISCJB Event type ke.
IDC III 05 05 10 28.0–1.2 0.33N 98.36E 0 4.0b,4.0
¶12702475
IDC Error ellipse: s-maj=36.2km s-min=21.1km az=54.0.
ISC III 06 03 39 17.8–.63 3.20N–.07 96.42E–.08 33 4.2b 23 1-146
DJA III 06 03 39 20.0–.60 3N–4.0 96E–5.0 10 3.9,3.9 **¶12702539**
IDC III 06 03 39 23.1–3.8 3.27N 96.54E 81–34 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=15.0km az=54.0.
ISC III 07 06 37 14.0–.44 4.69N–.04 96.57E–.05 32–2 4.4b,3.6s 134 1-161
IDC III 07 06 37 08.3–.51 4.71N 96.54E 0 4.3,4.2 **¶11788758**
ISCJB III 07 06 37 11.6–.98 4.63N–.04 96.55E–.04 30–7 4.4b,3.7s
DJA III 07 06 37 12.5–1.1 5N–4.0 97E–5.0 6–9 4.7,4.7
BJI III 07 06 37 13.0 4.75N 96.95E 24 5.0b,4.7b
NEIC III 07 06 37 13.6–.35 4.67N 96.63E 35 4.9b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=11.9km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.1km az=156.3.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.2km az=217.0.
IDC III 07 19 09 24.0–1.5 0.74N 97.68E 0 3.7b,3.7
¶12702657
IDC Error ellipse: s-maj=48.5km s-min=21.2km az=60.0.
IDC III 08 11 09 10.1–5.0 2.45N 96.56E 71–40 4.4L,3.3
¶12702714
IDC Error ellipse: s-maj=55.4km s-min=16.4km az=53.0.
ISC III 08 18 40 22.4–.61 1.11N–.06 97.14E–.06 25 4.5b,4.2s 79 0-145
IDC III 08 18 40 17.9–.82 1.08N 97.12E 0 4.4,4.3b **¶15153098**
BJI III 08 18 40 18.0 0.96N 97.39E 19 5.1b,4.7b
ISCJB III 08 18 40 20.5–.43 1.09N–.05 97.14E–.04 25 4.5b,4.2s
DJA III 08 18 40 22.2–.90 1N–6.0 97E–6.0 30–5 5.3b,4.9
AUST III 08 18 40 30.5–.95 2.11N 98.34E 60–0 5.3b,4.9
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=15.5km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.4km az=29.3.
AUST Error ellipse: s-maj=2.0km s-min=1.2km az=262.0.
IDC III 08 18 41 35.4–.95 1.00N 97.12E 0 4.3,4.2b
¶12702747
IDC Error ellipse: s-maj=26.2km s-min=19.1km az=43.0.
IDC III 10 04 16 49.5–3.1 2.05N 96.25E 0 4.5,4.5s
¶12702846
IDC Error ellipse: s-maj=68.3km s-min=34.8km az=11.0.
ISC III 10 04 40 39.9–.45 1.03N–.04 97.26E–.04 30–2 4.5b,4.2s 175 0-145
BJI III 10 04 40 37.7 0.72N 97.38E 48 4.9b,4.7b **¶11792105**
IDC III 10 04 40 38.9–.61 0.99N 97.29E 22–3 4.3L,4.2
ISCJB III 10 04 40 39.7–.68 1.10N–.04 97.34E–.04 36–5 4.5b,4.3s
NEIC III 10 04 40 39.2–.33 1.02N 97.39E 23 4.6b,4.3s
DJA III 10 04 40 40.1–.70 1N–3.0 97E–4.0 29–3 4.8b,4.5
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA III 10 12 16 09.4–.40 1N–6.0 100E–5.0 13–4 3.7,3.7
¶15850271
ISC III 12 18 06 32.6–1.6 2.9N–.20 96.2E–.20 37 3.2b 10 2-52
IDC III 12 18 06 28.7–2.2 3.06N 96.71E 0 3.3,3.2b **¶12703099**
DJA III 12 18 06 36.6–2.6 2N–8.0 96E–17 27–46 4.1b,3.7
ISC Event type ke.
IDC III 12 20 03 23.0–2.0 2.98N 99.44E 140–50 3.1,2.9b
¶12703105
IDC Error ellipse: s-maj=182.7km s-min=21.0km az=56.0.
IDC III 21 08 17 11.6–10 0.84N 97.61E 0 3.6,3.5b
¶12635163
IDC Error ellipse: s-maj=526.1km s-min=24.1km az=55.0.
ISC III 23 09 57 51.2–.64 1.28N–.08 97.11E–.07 28 4.3b,3.9s 74 2-144
BJI III 23 09 57 45.0 0.76N 97.12E 26 5.1b,4.7s **¶12635375**
IDC III 23 09 57 46.4–.81 1.17N 96.96E 0 4.4,4.3
ISCJB III 23 09 57 49.2–.56 1.19N–.07 97.13E–.06 28 4.4b,3.9s
NEIC III 23 09 57 52.6–2.1 1.26N 97.15E 41–16 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=15.3km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=7.6km az=29.9.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=6.7km az=52.0.
ISC III 23 14 58 12.9–.35 5.33N–.04 94.29E–.04 59–2 4.9b,3.8s 617 1-150
BJI III 23 14 58 09.8 5.15N 94.37E 64 5.0b,4.9b **¶15153381**
MOS III 23 14 58 11.7–.75 5.54N 94.56E 56 5.2b,4.9b
ISCJB III 23 14 58 11.3–.54 5.39N–.03 94.36E–.03 53–4 4.9b,3.9s
IDC III 23 14 58 12.6–.54 5.41N 94.46E 52–4 4.4,4.4
NEIC III 23 14 58 12.3–.18 5.36N 94.38E 50 5.1b,4.4
AUST III 23 14 58 13.4–6.2 5.29N 94.35E 65–0 5.1b,4.4
SZGRF III 23 14 58 14.9 5.74N 94.89E 66 5.2b,4.4
DJA III 23 14 58 15.2–2.8 5N–6.0 95E–23 21–11 5.3b,5.1b
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Banda Aceh.
SZGRF Northern Sumatera, Indonesia.
IDC III 23 17 39 21.1–2.2 5.21N 94.20E 0 4.0L,3.6
¶12635402
IDC Error ellipse: s-maj=86.6km s-min=20.5km az=61.0.
IDC III 24 00 10 52.9–3.5 2.19N 96.72E 0 3.8,3.7b
¶12635433
IDC Error ellipse: s-maj=143.5km s-min=22.0km az=59.0.
ISC III 24 04 35 43.6–.40 5.22N–.04 94.31E–.04 40–2 5.2b,4.4s 839 3-160
IDC III 24 04 35 37.8–.36 5.30N 94.28E 0 5.0,4.9 **¶15153396**
SZGRF III 24 04 35 38.6 3.90N 94.11E 33 5.3b,4.9
MOS III 24 04 35 41.5–.87 5.36N 94.35E 34 5.5b,4.6s
BJI III 24 04 35 42.4 5.13N 94.27E 56 5.2b,5.0b
ISCJB III 24 04 35 42.2–.51 5.21N–.03 94.31E–.02 43–4 5.2b,4.4s
AUST III 24 04 35 42.1–2.7 5.22N 94.27E 27–0 5.2b,4.4s
GCMT III 24 04 35 44.8–.30 5.10N 94.11E 36–0 5.0W,4.4s
DJA III 24 04 35 44.9–.60 5N–4.0 94E–6.0 61–7 5.4b,5.3
NEIC III 24 04 35 45.8–.64 5.26N 94.31E 59–5 5.2b,5.3
ISC Event type fe.
IDC Error ellipse: s-maj=11.4km s-min=9.4km az=32.0.
SZGRF Off west coast of northern Sumatera, Indonesia.
MOS Error ellipse: s-maj=8.4km s-min=4.0km az=121.7.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.4km az=31.9.
AUST Error ellipse: s-maj=1.8km s-min=0.9km az=230.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s46,c59; s68,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}4.27±.19 $M_{\theta\theta}$-1.39±.13; $M_{\phi\phi}$-2.88±.16; $M_{r\theta}$1.95±.13; $M_{\theta\phi}$1.95±.10; $M_{\phi r}$-0.75±.15; Best double couple: NP1:ϕ_s338.00000°,δ35.00000°,λ112.00000°. NP2:ϕ_s132.00000°,δ58.00000°,λ75.00000°. Principal axes: T 4.8800,Plg73.0000° ,Azm4.0000°; N -0.3100,Plg12.0000°,Azm140.0000°; P -4.5700,Plg11.0000°,Azm232.0000° M_o4.70000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.1km az=223.0. Felt at Banda Aceh.
IDC III 24 14 37 31.1–1.4 0.19N 97.52E 0 4.0b,4.0
¶12635475
IDC Error ellipse: s-maj=47.9km s-min=18.0km az=58.0.
IDC III 24 14 42 17.6–2.1 0.17N 97.55E 0 3.5,3.4b
¶12635476
IDC Error ellipse: s-maj=64.5km s-min=20.8km az=64.0.
ISC III 25 08 29 30.4–.77 1.49N–.08 99.14E–.08 138 4.3b 54 0-83
ISCJB III 25 08 29 27.9–.61 1.45N–.07 98.95E–.06 138 4.1b **¶12635535**
IDC III 25 08 29 32.6–1.1 1.70N 99.25E 159–5 3.9,3.8b
NEIC III 25 08 29 33.1–.84 1.77N 99.34E 163–6 4.6b,3.8b
DJA III 25 08 29 33.0–.60 2N–5.0 99E–4.0 171–10 5.5b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC III 25 18 27 36.2–.29 0.73N–.04 98.63E–.05 100 4.8b 340 1-144
BJI III 25 18 27 26.5 0.67N 98.65E 29 5.0b,4.9b **¶15153418**
IDC III 25 18 27 30.9–1.9 0.71N 98.53E 50–17 5.0L,4.5
DJA III 25 18 27 32.0–.30 0N–3.0 98E–4.0 64–4 5.5b,5.4
AUST III 25 18 27 32.9–.02 0.67N 98.47E 65–0 5.5b,5.4
MOS III 25 18 27 33.5–.90 0.76N 98.59E 90 4.9b,5.4
SZGRF III 25 18 27 33.7 1.56N 97.93E 33 4.9b,5.4
ISCJB III 25 18 27 34.4–.17 0.72N–.03 98.57E–.03 100 4.8b,5.4
NEIC III 25 18 27 35.1–1.0 0.73N 98.55E 90–8 5.0b,5.4
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=9.5km az=59.0.
AUST Error ellipse: s-maj=0.9km s-min=0.5km az=235.0.
MOS Error ellipse: s-maj=11.5km s-min=5.1km az=111.2.
SZGRF Northern Sumatera, Indonesia.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.6km az=43.2.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.7km az=53.0.
IDC III 27 12 27 47.5–3.7 0.30N 97.43E 0 3.4,3.3b
¶12635697
IDC Error ellipse: s-maj=94.5km s-min=28.5km az=76.0.
ISC III 27 12 32 23.3–.97 0.1N–.10 97.6E–.10 10 4.1b 29 3-84
ISCJB III 27 12 32 22.0–.62 0.11N–.06 97.67E–.08 10 4.1b **¶12635698**
IDC III 27 12 32 22.3–1.4 0.09N 97.67E 0 4.1b,4.1
NEIC III 27 12 32 28.0–.49 0.18N 97.77E 35 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.3km az=22.7.
IDC Error ellipse: s-maj=43.4km s-min=16.0km az=60.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.9km az=65.0.
IDC III 27 19 58 28.5–1.5 3.48N 96.08E 0 3.4,3.3L
¶12635719
IDC Error ellipse: s-maj=42.7km s-min=15.7km az=42.0.
ISC III 28 23 47 01.7–1.2 0.83N–.06 99.29E–.06 13–8 3.8b 22 0-81
ISCJB III 28 23 46 58.8–2.0 0.74N–.08 99.14E–.07 6–10 3.7b **¶12635819**
IDC III 28 23 46 58.7–1.3 0.67N 99.30E 0 3.7b,3.7
DJA III 28 23 47 04.9–.30 1N–3.0 100E–4.0 10 4.5,4.5
ISC Event type ke.
ISCJB Event type ke.
IDC IV 01 00 47 46.4–2.0 0.12N 97.74E 0 4.6L,4.0
¶16152198
IDC Error ellipse: s-maj=67.2km s-min=20.1km az=62.0.
IDC IV 02 01 21 34.5–1.7 1.94N 98.82E 129–9 3.6,3.5
¶16152250
IDC Error ellipse: s-maj=55.9km s-min=13.3km az=52.0.
ISC IV 06 03 14 43.7–.95 2.71N–.07 96.05E–.09 25 4.0b 20 2-81
IDC IV 06 03 14 39.2–1.6 2.63N 95.75E 0 4.1,4.0L **¶12934683**
DJA IV 06 03 14 47.7–1.7 3N–6.0 96E–18 13–14 5.6b,5.1
ISC Event type ke.
ISC IV 06 23 23 35.8–1.1 2.14N–.10 96.2E–.10 27 4.2b 18 2-84
IDC IV 06 23 23 32.0–1.3 2.12N 96.24E 0 4.1,4.1b **¶12934606**
DJA IV 06 23 23 33.9–2.9 2N–10 96E–11 29–43 4.7b,4.5b
ISCJB IV 06 23 23 34.3–.84 2.20N–.09 96.25E–.08 27 4.0b,4.5b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 08 19 36 03.3–.77 0.07N–.07 98.4E–.10 48 4.2b,3.4s 33 1-145
IDC IV 08 19 35 56.7–.82 0.02N 98.57E 0 4.2,4.1 **¶12934781**
ISCJB IV 08 19 36 00.9–.64 0.02N–.05 98.35E–.07 48 4.1b,3.3s
DJA IV 08 19 36 00.7–1.5 0S–5.0 98E–6.0 30–17 4.8b,4.5b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 09 02 04 15.3–.86 2.34N–.08 96.16E–.10 25 4.2b 23 2-143
IDC IV 09 02 04 11.4–1.3 2.30N 96.16E 0 4.7L,4.2 **¶12934916**
ISCJB IV 09 02 04 13.4–.73 2.33N–.07 96.15E–.08 25 4.1b,4.2
DJA IV 09 02 04 14.1–1.1 2N–7.0 96E–10 49–55 4.8b,4.7b
ISC Event type ke.
ISCJB Event type ke.
IDC IV 09 13 26 06.1–.98 1.84N 99.82E 171–23 3.3,3.2
¶16152588
IDC Error ellipse: s-maj=124.7km s-min=15.9km az=58.0.
IDC IV 09 13 34 38.4–2.2 0.66N 99.68E 206–9 3.1,3.1b
¶16152589

IDC Error ellipse: s-maj=76.8km s-min=13.9km az=57.0.
IDC IV 10 06 29 14.8–46 0.62N 98.62E 0 3.6,3.4
¶16152618
IDC Error ellipse: s-maj=930.2km s-min=288.2km az=153.0.
ISC IV 11 00 03 30.6–.61 1.07N–.07 97.05E–.07 20–2 4.2b 50 1-145
BJI IV 11 00 03 25.0 0.50N 97.25E 26 5.1b,4.7b **¶12935062**
ISCJB IV 11 00 03 29.1–2.0 1.00N–.07 97.05E–.09 26–12 4.2b,3.3s
DJA IV 11 00 03 29.1–1.3 1N–6.0 97E–8.0 17–9 5.0b,4.7b
IDC IV 11 00 03 30.7–.68 1.08N 97.10E 21–3 4.0,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=9.1km az=150.0.
IDC Error ellipse: s-maj=23.6km s-min=11.7km az=53.0.
ISC IV 11 01 59 47.5–.33 1.15N–.03 97.20E–.04 33–1 4.9b,4.5s 509 0-147
BJI IV 11 01 59 42.1 0.68N 97.13E 35 5.1b,5.1b **¶12581753**
ISCJB IV 11 01 59 44.6–.77 1.14N–.03 97.18E–.03 24–5 4.8b,4.5s
IDC IV 11 01 59 46.2–.49 1.15N 97.27E 25–2 4.4L,4.3
MOS IV 11 01 59 46.1–1.1 1.29N 97.33E 33 5.1b,4.5s
DJA IV 11 01 59 47.6–.70 1N–3.0 97E–5.0 21–5 5.2,5.2b
GCMT IV 11 01 59 48.6–.40 0.79N 96.74E 37–1 4.9W,5.2b
NEIC IV 11 01 59 48.5–1.0 1.19N 97.29E 43–8 5.0b,5.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.7km az=35.4.
IDC Error ellipse: s-maj=14.4km s-min=10.6km az=39.0.
MOS Error ellipse: s-maj=10.6km s-min=4.9km az=112.8.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s34,c44; s45,c59; Moment tensor: Scale 10^{16}Nm; M_{rr}2.50±.18 $M_{\theta\theta}$-1.21±.14; $M_{\phi\phi}$-1.29±.16; $M_{r\theta}$1.38±.14; $M_{\theta\phi}$1.54±.09; $M_{\theta r}$-1.42±.16; Best double couple: NP1:ϕ_s316.00000°,δ27.00000°,λ90.00000°. NP2:ϕ_s136.00000°,δ63.00000°,λ90.00000°. Principal axes: T 3.1600,Plg72.0000° ,Azm46.0000°; N 0.2900,Plg0.0000°,Azm316.0000°; P -3.4500,Plg18.0000°,Azm226.0000° M_o3.30000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.6km az=46.0.
IDC IV 11 23 50 19.9–1.3 0.13N 98.38E 0 3.8,3.8b
¶16152682
IDC Error ellipse: s-maj=57.7km s-min=16.5km az=61.0.
ISC IV 12 07 02 50.1–.77 0.82N–.06 99.61E–.07 147–7 3.8b 33 0-87
ISCJB IV 12 07 02 49.2–.40 0.83N–.06 99.64E–.07 152–4 3.6b **¶12935115**
DJA IV 12 07 02 50.2–.60 1N–5.0 100E–5.0 144–7 5.2b,4.9b
IDC IV 12 07 02 50.0–1.8 0.81N 99.76E 143–12 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=5.6km az=138.9.
IDC Error ellipse: s-maj=40.4km s-min=15.3km az=53.0.
IDC IV 13 12 30 12.8–1.5 1.69N 99.68E 171–16 3.3,3.2
¶16152756
IDC Error ellipse: s-maj=124.9km s-min=16.3km az=58.0.
ISC IV 16 13 33 12.8–.44 3.50N–.05 97.15E–.06 72 4.5b 108 1-147
ISCJB IV 16 13 33 11.0–.39 3.50N–.06 97.11E–.04 72 4.3b **¶13438685**
BJI IV 16 13 33 11.0 3.50N 97.20E 86 4.8b,4.2b
NEIC IV 16 13 33 13.7–.38 3.48N 97.20E 88 4.6b,4.2b
DJA IV 16 13 33 14.7–2.9 3N–5.0 97E–5.0 33–34 5.0b,4.6b
IDC IV 16 13 33 14.2–.71 3.61N 97.39E 90–6 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.3km az=27.4.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.6km az=47.0.
IDC Error ellipse: s-maj=19.6km s-min=8.0km az=42.0.
ISC IV 19 11 10 00.2–.24 2.81N–.03 99.04E–.03 178–1 5.0b 1068 0-162
BJI IV 19 11 09 51.8 1.99N 99.02E 175 4.7b,4.6b **¶13438881**
MOS IV 19 11 09 59.0–.99 2.85N 99.15E 177 5.1b,4.6b
ISCJB IV 19 11 09 59.2–.19 2.81N–.02 99.00E–.02 176–1 4.9b,4.6b
SZGRF IV 19 11 09 59.1 4.53N 96.75E 33 5.1b,4.6b
IDC IV 19 11 09 59.5–.19 2.79N 99.13E 169–1 4.6,4.6
TEH IV 19 11 10 00.0 2.79N 99.04E 173 5.0L,4.6
NEIC IV 19 11 10 00.3–.46 2.80N 99.09E 175–4 5.0b,4.6
DJA IV 19 11 10 00.5–.10 3N–2.0 99E–2.0 162–2 5.9,5.6b
GCMT IV 19 11 10 02.4–.20 2.77N 99.00E 176–1 5.1W,5.6b
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=4.6km az=120.9.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.5km az=36.1.
SZGRF Northern Sumatera, Indonesia.
IDC Error ellipse: s-maj=8.6km s-min=5.4km az=49.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.4km az=46.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s45,c58; s82,c138; Moment tensor: Scale 10^{16}Nm; M_{rr}2.78±.17 $M_{\theta\theta}$-4.30±.16; $M_{\phi\phi}$1.52±.20; $M_{r\theta}$-0.71±.13; $M_{\theta\phi}$1.05±.18; $M_{\theta r}$-6.30±.14; Best double couple: NP1:ϕ_s258.00000°,δ42.00000°,λ26.00000°. NP2:ϕ_s148.00000°,δ73.00000°,λ128.00000°. Principal axes: T 8.6000,Plg47.0000° ,Azm98.0000°; N -3.9700,Plg36.0000°,Azm314.0000°; P -4.6300,Plg19.0000° ,Azm210.0000° M_o6.60000×10^{16}
ISC IV 19 22 25 41.4–.77 5.27N–.09 94.70E–.09 50 3.7b 23 1-80
ISCJB IV 19 22 25 39.4–.64 5.20N–.08 94.63E–.06 50 3.7b **¶12935615**
IDC IV 19 22 25 41.9–4.7 5.22N 94.73E 56–41 3.6,3.5
DJA IV 19 22 25 42.3–2.6 5N–16 95E–22 26–12 4.0b,3.8
ISC Event type ke.
ISCJB Event type ke.
IDC IV 21 18 21 13.2–1.9 0.26N 97.74E 0 3.9,3.9b
¶16153223
IDC Error ellipse: s-maj=62.8km s-min=19.6km az=63.0.
ISC IV 21 21 55 58.7–.95 5.3N–.10 94.4E–.10 46 3.8b 26 5-80
ISCJB IV 21 21 55 57.0–.79 5.2N–.10 94.4E–.10 46 4.1b **¶16153226**
IDC IV 21 21 55 59.2–4.7 5.31N 94.49E 51–41 4.0L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.7km s-min=6.8km az=43.9.
IDC Error ellipse: s-maj=50.4km s-min=15.1km az=56.0.
ISC IV 24 20 12 21.0–1.0 2.70N–.05 96.03E–.07 54–8 4.5b,4.1s 159 2-158
DJA IV 24 20 12 13.2–1.1 3N–6.0 96E–10 10 5.1b,4.8b **¶12692660**
IDC IV 24 20 12 13.7–.56 2.64N 95.93E 0 4.4,4.3
MOS IV 24 20 12 16.9–.78 2.66N 95.95E 33 4.8b,4.3
ISCJB IV 24 20 12 18.6–.85 2.70N–.05 95.99E–.05 46–7 4.5b,4.1s
NEIC IV 24 20 12 19.7–1.5 2.69N 96.01E 41–13 4.6b,4.1s
BJI IV 24 20 12 20.1 2.38N 96.17E 86 4.9b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=12.4km az=42.0.
MOS Error ellipse: s-maj=12.3km s-min=7.1km az=110.9.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=4.7km az=138.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.2km az=55.0.
ISC IV 26 13 02 04.9–1.3 0.64N–.08 98.40E–.08 43 3.1b 11 1-48
IDC IV 26 13 01 57.0–2.2 0.36N 98.30E 0 3.3,3.2 **¶12936228**
ISCJB IV 26 13 02 02.5–1.0 0.52N–.10 98.45E–.08 43 3.1b,3.2
DJA IV 26 13 02 04.9–.60 1N–9.0 98E–4.0 25 4.0,4.0
ISC Event type ke.
ISCJB Event type ke.
IDC IV 27 07 54 12.1–2.7 0.20N 100.23E 118–23 3.6,3.5
¶16154548
IDC Error ellipse: s-maj=44.0km s-min=14.3km az=54.0.
ISC IV 29 01 17 14.7–1.3 1.3N–.20 97.1E–.10 28 4.2b 27 2-80
IDC IV 29 01 17 10.0–1.7 1.20N 96.99E 0 4.0,4.0b **¶12936457**
ISCJB IV 29 01 17 12.7–.88 1.3N–.10 97.06E–.09 28 4.1b,4.0b
NEIC IV 29 01 17 12.8–10 1.25N 97.05E 15–63 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=40.0km s-min=25.8km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=11.9km az=20.5.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=9.6km az=49.0.
ISC IV 29 11 51 14.4–.94 0.70N–.06 99.36E–.07 99–8 3.4b 17 0-48
ISCJB IV 29 11 51 13.5–.62 0.73N–.06 99.37E–.08 103–6 3.2b **¶12936425**
DJA IV 29 11 51 15.4–.50 1N–5.0 99E–5.0 75–9 3.4,3.4
IDC IV 29 11 51 18.1–2.9 1.15N 99.87E 106–27 3.2,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.0km s-min=7.5km az=144.9.
IDC Error ellipse: s-maj=144.3km s-min=24.1km az=57.0.
ISC V 04 17 59 52.0–.41 5.47N–.06 94.56E–.06 46 4.5b,3.2s 219 1-149
BJI V 04 17 59 43.8 4.98N 94.69E 25 4.9b,4.7b **¶15154105**
MOS V 04 17 59 48.9–.96 5.47N 94.52E 33 4.9b,4.7b
ISCJB V 04 17 59 50.0–.26 5.37N–.05 94.48E–.04 46 4.5b,3.3s
IDC V 04 17 59 52.0–3.4 5.42N 94.51E 46–31 4.2,4.2L
AUST V 04 17 59 52.7 5.36N 94.43E 60 4.2,4.2L
NEIC V 04 17 59 54.1–1.2 5.33N 94.52E 70–11 4.8b,4.2L
DJA V 04 17 59 57.0–2.0 5N–7.0 95E–18 23–8 5.0b,4.6b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 04 18 48 34.4–3.9 1.78N 99.48E 0 3.8,3.7
¶16154905
IDC Error ellipse: s-maj=167.0km s-min=27.2km az=56.0.
IDC V 05 02 18 49.7–2.3 4.25N 96.85E 133–18 3.6,3.5
¶16154916
IDC Error ellipse: s-maj=49.2km s-min=13.7km az=57.0.
IDC V 05 13 16 09.2–6.4 2.21N 100.14E 0 3.7,3.6
¶16154936
IDC Error ellipse: s-maj=329.8km s-min=28.3km az=54.0.
IDC V 06 06 05 25.1–7.4 1.76N 98.55E 0 3.7,3.6b
¶16155440
IDC Error ellipse: s-maj=379.6km s-min=23.3km az=56.0.
ISC V 08 13 19 02.1–.24 3.33N–.03 97.53E–.03 28–1 5.2b,4.8s 821 1-175
BJI V 08 13 18 57.7 3.06N 97.39E 29 5.3s,4.9b **¶15154210**
ISCJB V 08 13 19 01.9–.43 3.35N–.02 97.54E–.02 40–4 5.1b,4.8s
MOS V 08 13 19 01.1–1.1 3.48N 97.77E 33 5.5b,4.7s
IDC V 08 13 19 01.4–1.2 3.48N 97.69E 22–7 4.7,4.7
NEIC V 08 13 19 01.2–.17 3.36N 97.65E 24 5.3b,4.8s
TEH V 08 13 19 03.0 3.40N 97.71E 35 5.3L,4.8s
DJA V 08 13 19 04.5–.60 3N–2.0 97E–3.0 26–5 6.1,5.9
GCMT V 08 13 19 04.0–.20 3.18N 97.53E 20–1 5.2W,5.9
AUST V 08 13 19 06.2–.01 3.23N 97.67E 62–0 5.2W,5.9
SZGRF V 08 13 19 11.3 3.76N 96.20E 46 5.1b,5.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.0km az=39.4.
MOS Error ellipse: s-maj=9.5km s-min=4.3km az=120.2.
IDC Error ellipse: s-maj=10.9km s-min=8.3km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.7km az=43.0. Felt [III] at Kutacane, Medan, Meulaboh and Tuntungan. Also felt at Sibolga. Felt [II] at Kampung Gelugor, Malaysia. Also felt at Ayer Itam, Butterworth, Kampung Tanjung Bongor, Kuah, Lumut, Sungai Ara and Tanjong Tokong.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c70; s80,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.89±.20 $M_{\theta\theta}$-6.37±.18; $M_{\phi\phi}$7.25±.21; $M_{r\theta}$-2.25±.36; $M_{\theta\phi}$-3.32±.16; $M_{\theta r}$-3.28±.43; Best double couple: NP1:ϕ_s123.00000°,δ62.00000° ,λ-175.00000°. NP2:ϕ_s31.00000°,δ86.00000°,λ-28.00000°. Principal axes: T 8.8100,Plg16.0000°,Azm80.0000°; N -0.4600,Plg62.0000°,Azm203.0000° ; P -8.3600,Plg23.0000°,Azm343.0000° M_o8.60000×10^{16}
AUST Error ellipse: s-maj=1.1km s-min=0.6km az=43.0.
SZGRF Northern Sumatera, Indonesia.
IDC V 11 01 42 33.3–2.2 2.27N 96.88E 0 3.9,3.8
¶16155614
IDC Error ellipse: s-maj=65.4km s-min=24.1km az=44.0.
IDC V 11 02 15 52.6–1.6 2.04N 96.54E 0 4.2,4.2b
¶16155617
IDC Error ellipse: s-maj=45.6km s-min=19.2km az=53.0.
ISC V 13 13 29 06.3–.46 4.75N–.05 95.01E–.06 48 4.5b,3.3s 116 1-146
BJI V 13 13 28 58.4 4.60N 94.90E 15 4.8b,4.8b **¶13678878**
ISCJB V 13 13 29 04.7–.32 4.72N–.05 94.98E–.04 48 4.4b,3.3s
IDC V 13 13 29 06.8–.68 4.76N 95.10E 57–6 4.2,4.0b
NEIC V 13 13 29 06.3–.43 4.63N 94.97E 55 4.5b,4.0b
DJA V 13 13 29 08.6–.50 5N–2.0 95E–5.0 10 4.6b,4.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC V 14 09 31 00.2–.40 4.42N–.05 97.32E–.07 150 4.1b 86 1-127
ISCJB V 14 09 30 58.3–.35 4.38N–.06 97.33E–.05 150 4.1b **¶15154313**
IDC V 14 09 31 01.7–.66 4.33N 97.46E 168–5 4.0,3.9
NEIC V 14 09 31 02.4–.78 4.36N 97.49E 176–7 4.3b,3.9
AUST V 14 09 31 03.2–.00 4.30N 97.60E 178–0 4.3b,3.9
DJA V 14 09 31 04.6–.50 4N–4.0 98E–7.0 145–7 5.2b,4.7b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC V 16 02 39 40.1–3.1 3.50N 96.42E 0 4.0,4.0s
¶16155791
IDC Error ellipse: s-maj=99.5km s-min=23.0km az=51.0.
IDC V 20 23 42 27.5–2.7 5.39N 94.36E 0 3.7,3.6
¶16155974
IDC Error ellipse: s-maj=146.7km s-min=22.6km az=55.0.
IDC V 21 11 54 18.2–4.8 0.84N 98.84E 0 3.7,3.6
¶16155988
IDC Error ellipse: s-maj=182.1km s-min=29.3km az=58.0.
ISC V 23 10 54 18.6–.48 0.01N–.03 100.15E–.05 10 4.3b,3.5s 62 1-146
ISCJB V 23 10 54 16.2–.36 0.03S–.04 99.99E–.04 10 4.3b,3.5s **¶13679462**
IDC V 23 10 54 16.0–.67 0.04N 100.29E 0 4.2,4.0
DJA V 23 10 54 20.5–.40 0S–3.0 100E–3.0 10 5.0,5.0
NEIC V 23 10 54 23.1–1.3 0.04N 100.44E 52–11 4.2b,5.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.6km az=135.6.
IDC Error ellipse: s-maj=30.9km s-min=14.0km az=54.0.
NEIC Event type fe. Error ellipse: s-maj=17.2km s-min=6.6km az=61.0. Felt [IV] at Lubuksikaping; [III] in Agam and at Bukittinggi and Padangpanjang; [II] at Payakumbuh.
ISC V 24 02 15 35.6–.99 0.5N–.10 100.6E–.10 231–11 3.8b 19 1-142
DJA V 24 02 15 32.4–.50 0N–11 101E–8.0 271–10 6.1b,5.8 **¶13679515**
ISCJB V 24 02 15 34.7–.55 0.4N–.10 100.58E–.10 236–7 3.9b,5.8
IDC V 24 02 15 42.3–8.8 0.25N 100.42E 316–88 3.4,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.0km s-min=11.2km az=37.2.
IDC Error ellipse: s-maj=46.1km s-min=15.5km az=74.0.
IDC V 24 11 40 26.7–1.9 1.09N 97.30E 0 3.9L,3.8
¶16156095
IDC Error ellipse: s-maj=64.5km s-min=21.2km az=59.0.
IDC V 28 15 52 26.7–12 2.03N 99.04E 160–118 3.2,3.1
¶16156275
IDC Error ellipse: s-maj=65.1km s-min=21.4km az=55.0.
IDC VI 02 06 42 34.6–8.4 1.63N 97.10E 0 3.6,3.5
¶16066205
IDC Error ellipse: s-maj=398.9km s-min=26.8km az=54.0.
IDC VI 06 18 49 21.4–3.2 1.36N 97.31E 0 3.6,3.5b
¶16101025
IDC Error ellipse: s-maj=126.8km s-min=21.8km az=60.0.
IDC VI 06 20 19 48.9–3.8 0.58N 98.88E 0 3.6,3.5
¶16101028
IDC Error ellipse: s-maj=206.0km s-min=22.2km az=54.0.
ISC VI 07 10 49 45.5–.95 1.1N–.10 97.2E–.10 25 4.1b 28 5-83
IDC VI 07 10 49 41.6–1.3 1.11N 97.22E 0 4.1,4.0b **¶13680775**
ISCJB VI 07 10 49 43.2–.73 1.13N–.09 97.2E–.10 25 4.0b,3.6s
NEIC VI 07 10 49 46.8–.53 1.16N 97.24E 35 4.1b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=17.2km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=11.5km az=150.9.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.5km az=60.0.
IDC VI 07 18 47 15.0–12 0.05N 98.58E 0 3.8,3.8b
¶16101071
IDC Error ellipse: s-maj=365.6km s-min=120.8km az=113.0.
ISC VI 09 04 21 05.5–.58 1.93N–.07 97.09E–.09 28 4.3b,3.5s 49 1-145
DJA VI 09 04 20 47.8–1.6 4N–6.0 95E–15 10 5.7b,5.3 **¶13440008**
IDC VI 09 04 21 01.0–.76 1.87N 97.10E 0 4.2,4.1b
ISCJB VI 09 04 21 03.0–.55 1.77N–.07 96.94E–.08 28 4.2b,3.5s
NEIC VI 09 04 21 08.1–1.9 1.89N 97.13E 52–15 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=15.6km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=9.7km az=147.6.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=6.5km az=58.0.

IDC	**VI**	**09 14 12 28.8–3.3**	**0.36N**	**97.82E**	**0**	**4.2L,3.6**			
									¶16101152
IDC	Error ellipse: s-maj=138.5km s-min=23.7km az=58.0.								
IDC	**VI**	**10 13 18 24.6–2.6**	**5.31N**	**94.18E**	**0**	**3.7,3.6b**			
									¶16101179
IDC	Error ellipse: s-maj=105.8km s-min=22.7km az=61.0.								
ISC	**VI**	**11 14 49 03.8–.32**	**1.70N–.04**	**97.06E–.04**	**41–2**	**4.9b,4.3s**	**321**	**1-147**	
IDC	VI	11 14 48 58.2–.40	1.71N	97.12E	0	4.7L,4.7			**¶13196240**
BJI	VI	11 14 49 01.8	1.58N	97.17E	48	5.2b,5.0b			
ISCJB	VI	11 14 49 02.6–.53	1.72N–.03	97.10E–.03	42–4	4.8b,4.3s			
NEIC	VI	11 14 49 03.8–.19	1.76N	97.19E	40	4.9b,4.3s			
DJA	VI	11 14 49 03.8–.90	2N–4.0	97E–5.0	35–12	5.0b,5.0			
ISC	Event type fe.								
ISCJB	Event type fe.								
NEIC	Event type fe. Felt at Gunungsitoli.								
ISC	**VI**	**12 00 48 55.0–.55**	**1.97N–.05**	**99.22E–.05**	**138**	**4.3b**	**42**	**1-145**	
ISCJB	VI	12 00 48 54.8–.50	2.00N–.06	99.21E–.06	138	4.1b			**¶13681195**
DJA	VI	12 00 48 55.8–.50	2N–4.0	99E–5.0	153–10	5.4b,4.9			
IDC	VI	12 00 48 55.5–2.7	1.93N	99.30E	150–22	4.0,3.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=10.4km s-min=5.6km az=41.4.								
IDC	Error ellipse: s-maj=37.3km s-min=11.9km az=52.0.								
IDC	**VI**	**13 20 15 10.7–1.4**	**5.46N**	**94.66E**	**44–9**	**3.7,3.6**			
									¶16101290
IDC	Error ellipse: s-maj=53.1km s-min=19.8km az=58.0.								
IDC	**VI**	**15 10 22 37.4–8.8**	**5.46N**	**95.20E**	**207–80**	**3.6,3.5**			
									¶16101354
IDC	Error ellipse: s-maj=63.6km s-min=12.3km az=56.0.								
IDC	**VI**	**15 14 26 03.6–2.9**	**5.47N**	**94.22E**	**0**	**4.0,3.9L**			
									¶16101368
IDC	Error ellipse: s-maj=108.3km s-min=26.1km az=63.0.								
ISC	**VI**	**17 23 16 18.4–.73**	**3.83N–.06**	**96.41E–.06**	**25**	**3.6b**	**19**	**1-94**	
IDC	VI	17 23 16 14.8–1.1	3.63N	96.17E	0	3.9L,3.8			**¶13681562**
ISCJB	VI	17 23 16 17.6–.62	3.75N–.07	96.45E–.06	25	3.6b,3.8			
DJA	VI	17 23 16 18.0–1.0	4N–5.0	96E–4.0	16–15	4.5,4.5			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**VI**	**20 05 51 18.8–4.0**	**2.27N**	**98.08E**	**81–28**	**3.7,3.6**			
									¶16101524
IDC	Error ellipse: s-maj=60.2km s-min=16.1km az=57.0.								
ISC	**VI**	**20 09 51 50.6–.74**	**4.71N–.08**	**96.38E–.08**	**33**	**3.9b**	**35**	**3-142**	
IDC	VI	20 09 51 45.7–1.1	4.65N	96.36E	0	4.0,4.0L			**¶13681709**
ISCJB	VI	20 09 51 49.0–.59	4.68N–.08	96.38E–.05	33	4.0b,4.0L			
NEIC	VI	20 09 51 51.0–.60	4.65N	96.40E	35	4.7b,4.0L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=52.1km s-min=15.2km az=53.0.								
ISCJB	Event type se. Error ellipse: s-maj=12.3km s-min=6.3km az=26.3.								
NEIC	Event type se. Error ellipse: s-maj=18.2km s-min=8.6km az=223.0.								
IDC	**VI**	**23 04 22 48.5–3.7**	**5.33N**	**94.74E**	**0**	**3.9,3.7**			
									¶16101635
IDC	Error ellipse: s-maj=300.9km s-min=24.1km az=49.0.								
IDC	**VI**	**23 10 10 10.7–2.8**	**3.37N**	**96.44E**	**0**	**3.8,3.8L**			
									¶16101645
IDC	Error ellipse: s-maj=54.8km s-min=36.3km az=27.0.								
ISC	**VI**	**24 15 53 49.8–1.4**	**1.58N–.09**	**98.8E–.10**	**90**	**3.8b**	**9**	**1-53**	
IDC	VI	24 15 53 39.8–1.4	1.60N	98.80E	0	3.7,3.7			**¶13681973**
ISCJB	VI	24 15 53 47.2–1.0	1.44N–.06	98.72E–.10	90	3.6b,3.7			
DJA	VI	24 15 53 47.8–.70	2N–3.0	99E–7.0	20	3.8,3.8			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**VI**	**25 21 47 23.2–1.1**	**1.09N–.07**	**99.5E–.10**	**35**	**3.9b**	**15**	**2-54**	
IDC	VI	25 21 47 15.3–2.2	0.71N	98.85E	0	3.8,3.6			**¶13682035**
DJA	VI	25 21 47 23.1–.60	1N–4.0	100E–7.0	30	4.2,4.2			
ISC	Event type ke.								
ISC	**VI**	**26 05 49 33.8–1.3**	**1.1N–.10**	**97.1E–.20**	**25**	**4.1b**	**27**	**2-144**	
IDC	VI	26 05 49 29.5–1.5	1.02N	97.04E	0	3.9,3.9b			**¶13682044**
ISCJB	VI	26 05 49 31.6–.81	1.10N–.09	97.07E–.10	25	4.0b,3.9b			
NEIC	VI	26 05 49 35.0–.52	1.11N	97.16E	35	4.2b,3.9b			
BJI	VI	26 05 49 38.8	1.72N	97.99E	35	4.8b,4.5b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=39.5km s-min=20.2km az=56.0.								
ISCJB	Event type se. Error ellipse: s-maj=15.5km s-min=12.2km az=142.3.								
NEIC	Event type se. Error ellipse: s-maj=10.7km s-min=8.4km az=60.0.								

SEISMIC REGION 47.
Baluchistan.

(709) Southeastern Afghanistan.

ISC	**I**	**14 14 48 48.6–1.2**	**34.30N–.07**	**70.2E–.10**	**63**	**3.6b**	**49**	**2-83**	
NNC	I	14 14 48 47.7–2.6	34.58N	70.37E	0	4.1,3.6b			**¶11712759**
IDC	I	14 14 48 48.3–.97	34.80N	70.57E	0	3.8b,3.8			
ISC	Event type ke.								
NNC	Error ellipse: s-maj=30.8km s-min=20.3km az=130.0.								
IDC	Error ellipse: s-maj=22.7km s-min=19.3km az=19.0.								
ISC	**II**	**16 13 19 47.7–1.7**	**34.2N–.10**	**70.5E–.30**	**35**		**8**	**9-83**	
IDC	II	16 13 19 38.8–8.6	34.12N	69.38E	0	3.5,3.5b			**¶12700901**
ISCJB	II	16 13 19 47.0–1.3	34.31N–.08	70.6E–.20	33	3.4b,3.5b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**III**	**08 14 26 51.8–1.1**	**34.55N–.08**	**70.7E–.10**	**35**	**3.5b**	**25**	**5-83**	
IDC	III	08 14 26 46.7–2.9	34.45N	70.88E	0	3.6b,3.6			**¶12054540**
ISCJB	III	08 14 26 48.1–1.0	34.46N–.06	70.5E–.10	33	3.6b,3.6			
NNC	III	08 14 26 53.3–1.7	35.10N	69.77E	0	3.7b,3.6			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=73.7km s-min=25.7km az=133.0.								
ISCJB	Event type ke. Error ellipse: s-maj=16.3km s-min=5.7km az=154.3.								
NNC	Error ellipse: s-maj=13.3km s-min=9.9km az=0.0.								
ISC	**III**	**12 05 13 08.5–1.0**	**34.78N–.07**	**70.9E–.10**	**60**		**31**	**1-66**	
IDC	III	12 05 13 02.3–3.2	34.72N	71.04E	0	3.7b,3.7			**¶12703049**
ISCJB	III	12 05 13 06.4–.71	34.77N–.04	71.01E–.09	60	3.7b,3.7			
NNC	III	12 05 13 09.9–2.6	35.33N	70.56E	0	3.8b,3.6			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=76.0km s-min=22.6km az=130.0.								
ISCJB	Event type ke. Error ellipse: s-maj=11.6km s-min=4.5km az=156.3.								
NNC	Error ellipse: s-maj=27.0km s-min=17.5km az=57.0.								
ISC	**III**	**18 12 43 21.9–.80**	**33.42N–.06**	**69.56E–.07**	**26**	**3.7b**	**38**	**2-84**	
IDC	III	18 12 43 17.9–.94	33.55N	69.57E	0	3.8,3.7L			**¶12703583**
ISCJB	III	18 12 43 20.8–.69	33.54N–.05	69.60E–.08	26	3.5b,3.7L			
NNC	III	18 12 43 24.6–5.3	33.46N	69.78E	37–40	3.4b,3.7L			
NDI	III	18 12 44 32.3–2.6	32.04N	75.67E	10	3.1L,3.7L			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=25.0km s-min=19.5km az=93.0.								
ISCJB	Event type ke. Error ellipse: s-maj=10.9km s-min=5.5km az=151.4.								
NNC	Error ellipse: s-maj=40.4km s-min=38.7km az=178.0.								
NDI	Error ellipse: s-maj=6.8km s-min=23.2km az=-1.0.								
ISC	**III**	**25 23 12 55.2–1.7**	**34.5N–.10**	**70.4E–.20**	**42**		**9**	**1-17**	
									¶16525156
ISC	Event type ke.								
ISC	**IV**	**05 19 39 03.0–.66**	**34.09N–.06**	**69.85E–.06**	**35**	**3.7b,3.1s**	**48**	**2-84**	
IDC	IV	05 19 38 57.4–1.2	34.08N	70.10E	0	4.0,3.9			**¶12934544**
NNC	IV	05 19 39 00.9–1.8	34.30N	69.62E	0	4.1,3.7b			
ISCJB	IV	05 19 39 00.4–.45	34.08N–.04	69.96E–.05	33	3.8b,3.3s			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**IV**	**16 21 27 53.1–.37**	**34.19N–.03**	**70.08E–.02**	**16–2**	**5.4b,4.9s**	**1220**	**1-148**	
BGS	IV	16 21 27 22.5–2.0	30.99N	73.02E	10	5.2b,5.1s			**¶13438707**
BJI	IV	16 21 27 49.6	34.34N	69.97E	5	5.3L,5.3b			
NNC	IV	16 21 27 50.3–3.3	34.16N	69.81E	0	5.9,5.4b			
ISCJB	IV	16 21 27 50.1–.61	34.17N–.02	70.08E–.01	8–3	5.3b,4.8s			
IDC	IV	16 21 27 50.5–.34	34.22N	70.11E	0	5.2,5.2			
NEIC	IV	16 21 27 51.3–1.3	34.19N	70.08E	6–7	5.4b,5.2			
SZGRF	IV	16 21 27 51.2	34.08N	70.30E	10	5.7b,4.7s			
GCMT	IV	16 21 27 52.9–.20	34.14N	70.11E	12–0	5.2W,4.7s			
DJA	IV	16 21 27 53.4–.40	34N–7.0	70E–5.0	10	5.6b,5.2b			
MOS	IV	16 21 27 54.5–.93	34.23N	70.11E	40	5.6b,4.8s			
ISC	Event type de.								
BGS	Error ellipse: s-maj=737.4km s-min=758.3km az=-1.0.								
NNC	Error ellipse: s-maj=36.4km s-min=32.1km az=150.0.								
ISCJB	Event type de. Error ellipse: s-maj=3.0km s-min=2.0km az=16.0.								
IDC	Error ellipse: s-maj=9.6km s-min=7.8km az=37.0.								
NEIC	Event type de. Error ellipse: s-maj=4.5km s-min=3.0km az=196.0. At least 19 people killed, 51 injured, more than 200 homes destroyed and some livestock killed in Nangarhar. Felt [V] at Jalalabad and [III] at Kabul. Also felt at Fayzabad, Nurestan, Qarah Bagh, Panjab and Zarghun Shahr. Felt at Bhakkar, Chitral, Islamabad and Rawalpindi, Pakistan.								
SZGRF	Southeastern Afghanistan.								
GCMT	Event type se. Data Used: ll IU G CN IC. Moment Tensor Solution. s42,c65; s81,c148; Moment tensor: Scale 10^{16}Nm; M_{rr}5.50±.24 $M_{\theta\theta}$-3.72±.18; $M_{\phi\phi}$-1.78±.17; $M_{r\theta}$3.50±.54; $M_{\theta\phi}$-4.18±.14; $M_{\phi r}$1.36±.52; Best double couple: NP1:ϕ_s218.00000°,δ31.00000°,λ69.00000°. NP2:ϕ_s63.00000°,δ61.00000°,λ103.00000°. Principal axes: T 6.6800,Plg71.0000° ,Azm1.0000°; N 1.3200,Plg11.0000°,Azm236.0000°; P -8.0000,Plg15.0000°,Azm143.0000° M_o7.30000×10^{16}								
MOS	Error ellipse: s-maj=5.3km s-min=2.9km az=126.9.								
ISC	**IV**	**16 23 42 54.2–.39**	**34.14N–.03**	**70.03E–.02**	**16–2**	**5.0b,4.2s**	**659**	**1-148**	
ISCJB	IV	16 23 42 50.0–.75	34.10N–.02	70.11E–.02	1–4	4.9b,4.2s			**¶13438712**
IDC	IV	16 23 42 51.4–.40	34.17N	70.07E	0	4.9,4.9			
BJI	IV	16 23 42 51.2	34.40N	69.93E	5	4.9L,4.9b			
NEIC	IV	16 23 42 51.9–1.4	34.11N	70.06E	4–8	5.1b,4.9b			
DJA	IV	16 23 42 54.3–.40	34N–11	70E–5.0	10	5.3b,4.8			
MOS	IV	16 23 42 54.9–1.1	34.15N	70.11E	33	5.2b,4.2s			
NNC	IV	16 23 42 56.8–2.9	34.10N	69.90E	51–26	5.2,4.7b			
SZGRF	IV	16 23 42 57.0	34.70N	70.11E	33	5.1b,3.9s			
ISC	Event type de.								
ISCJB	Event type de. Error ellipse: s-maj=3.4km s-min=2.3km az=19.1.								
IDC	Error ellipse: s-maj=12.1km s-min=9.9km az=177.0.								
NEIC	Event type de. Error ellipse: s-maj=5.3km s-min=3.8km az=189.0. Casualties and damage are included with the event at 21:27 UTC. Felt [V] at Jalalabad. Also felt at Kabul and Mazar-e Sharif. Felt at Islamabad and Kohat, Pakistan.								
MOS	Error ellipse: s-maj=5.7km s-min=3.5km az=125.0.								
NNC	Error ellipse: s-maj=27.3km s-min=20.9km az=60.0.								
SZGRF	Southeastern Afghanistan.								
IDC	**IV**	**26 21 22 07.0–5.8**	**34.90N**	**68.23E**	**0**	**3.5,3.5**			
									¶16154536
IDC	Error ellipse: s-maj=135.2km s-min=68.1km az=115.0.								
ISC	**V**	**08 22 47 23.9–.91**	**34.26N–.08**	**69.33E–.07**	**10**	**3.8b**	**39**	**0-84**	
IDC	V	08 22 47 22.9–1.1	34.32N	69.41E	0	3.7,3.7b			**¶13439428**
NEIC	V	08 22 47 22.7–10	34.02N	69.04E	35	3.2b,3.7b			
ISCJB	V	08 22 47 22.1–.51	34.29N–.04	69.45E–.05	10	3.6b,3.7b			
NNC	V	08 22 47 26.0–5.8	34.63N	68.78E	0	3.9,3.5b			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=28.5km s-min=20.1km az=108.0.								
NEIC	Event type fe. Error ellipse: s-maj=119.0km s-min=29.4km az=185.0. Felt [II] at Kabul.								
ISCJB	Event type fe. Error ellipse: s-maj=7.1km s-min=4.3km az=144.1.								
NNC	Error ellipse: s-maj=57.9km s-min=48.9km az=135.0.								
ISC	**V**	**10 03 49 10.8–.72**	**34.13N–.07**	**69.95E–.07**	**35**	**3.7b**	**41**	**2-84**	
IDC	V	10 03 49 05.3–.84	34.07N	70.04E	0	3.8,3.8L			**¶13553117**
ISCJB	V	10 03 49 08.7–.52	34.13N–.05	70.03E–.07	33	3.6b,3.8L			
NNC	V	10 03 49 09.6–1.6	34.34N	69.59E	0	4.0,3.6b			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=18.7km s-min=17.6km az=17.0.								
ISCJB	Event type ke. Error ellipse: s-maj=8.7km s-min=5.3km az=146.3.								
NNC	Error ellipse: s-maj=19.0km s-min=8.2km az=42.0.								
ISC	**VI**	**04 17 10 31.7–2.1**	**34.1N–.10**	**69.1E–.10**	**10**		**23**	**0-64**	
NEIC	VI	04 17 10 29.3–3.3	33.92N	68.93E	10	3.0b			**¶13680418**
IDC	VI	04 17 10 35.0–3.1	34.55N	68.74E	0	3.6,3.6			
NNC	VI	04 17 10 38.0–9.7	34.82N	68.34E	0	3.6b,3.4			
ISC	Event type fe.								
NEIC	Event type fe. Error ellipse: s-maj=35.6km s-min=23.9km az=1.0. Felt [II] at Kabul.								
IDC	Error ellipse: s-maj=79.4km s-min=21.8km az=135.0.								
NNC	Error ellipse: s-maj=103.1km s-min=67.4km az=152.0.								
IDC	**VI**	**05 20 33 23.9–3.6**	**34.36N**	**70.71E**	**0**	**3.4b,3.2**			
									¶13680530
IDC	Error ellipse: s-maj=83.9km s-min=28.4km az=134.0.								

(710) Pakistan.

ISC	**I**	**02 19 10 34.4–.88**	**30.6N–.10**	**67.45E–.10**	**14**	**3.8b**	**26**	**14-87**	
IDC	I	02 19 10 32.4–1.0	30.52N	67.33E	0	3.9,3.8			**¶12079845**
ISCJB	I	02 19 10 32.7–.74	30.5N–.10	67.46E–.08	14	3.7b,3.5s			
ISC	Event type ke.								
ISCJB	Event type ke.								
IDC	**I**	**03 17 08 08.4–5.8**	**32.69N**	**73.71E**	**0**	**3.6b,3.5**			
									¶12079914
IDC	Error ellipse: s-maj=152.4km s-min=31.4km az=129.0.								
ISC	**I**	**05 02 07 01.0–2.2**	**30.6N–.10**	**69.9E–.10**	**19**		**11**	**6-22**	
NNC	I	05 02 07 01.1–5.0	30.83N	70.10E	0	3.5b			**¶12698680**
ISC	Event type ke.								
NNC	Error ellipse: s-maj=80.2km s-min=39.7km az=121.0.								
ISC	**I**	**05 05 08 37.4–3.7**	**30.5N–.20**	**69.5E–.40**	**10**		**4**	**7-20**	
NNC	I	05 05 08 37.4–3.4	30.65N	69.53E	0	3.6b			**¶12698687**
ISC	Event type ke.								
NNC	Error ellipse: s-maj=43.3km s-min=38.2km az=88.0.								
IDC	**I**	**07 12 51 26.7–5.1**	**30.06N**	**67.66E**	**0**	**3.4,3.3**			
									¶12080641
IDC	Error ellipse: s-maj=134.7km s-min=71.2km az=128.0.								
IDC	**I**	**07 14 26 35.2–1.3**	**30.48N**	**67.33E**	**0**	**3.5,3.4b**			
									¶12080647
IDC	Error ellipse: s-maj=34.2km s-min=25.2km az=117.0.								
IDC	**I**	**08 00 12 05.8–5.3**	**30.08N**	**66.99E**	**0**	**3.4,3.3**			
									¶12080693
IDC	Error ellipse: s-maj=140.1km s-min=71.1km az=132.0.								
ISC	**I**	**09 13 04 10.9–.63**	**30.30N–.07**	**67.51E–.07**	**14**	**4.2b,3.2s**	**118**	**4-88**	
IDC	I	09 13 04 08.9–.76	30.33N	67.45E	0	4.2,4.0			**¶12080844**
NNC	I	09 13 04 09.9–1.8	30.60N	67.93E	0	3.9b,4.0			
NEIC	I	09 13 04 10.6–.46	30.39N	67.48E	10	4.3b,4.0			
MOS	I	09 13 04 12.7–.99	30.48N	67.58E	33	4.3b,4.0			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=21.8km s-min=15.4km az=44.0.								
NNC	Error ellipse: s-maj=32.8km s-min=14.0km az=89.0.								
NEIC	Event type fe. Error ellipse: s-maj=8.6km s-min=7.0km az=50.0. Felt at Quetta.								
MOS	Error ellipse: s-maj=14.4km s-min=6.5km az=82.5.								
IDC	**I**	**09 17 16 16.3–4.8**	**30.08N**	**67.72E**	**0**	**3.5,3.5**			
									¶12080862
IDC	Error ellipse: s-maj=139.3km s-min=29.4km az=137.0.								
ISC	**I**	**09 21 52 11.2–1.2**	**30.3N–.20**	**67.7E–.10**	**14**	**3.9b**	**17**	**14-87**	
IDC	I	09 21 52 09.2–3.0	30.27N	67.63E	0	3.9,3.7b			**¶12080892**
ISCJB	I	09 21 52 10.0–.91	30.4N–.10	67.59E–.09	14	3.8b,3.7b			
ISC	Event type ke.								
ISCJB	Event type ke.								
ISC	**I**	**11 15 54 08.0–1.5**	**30.3N–.20**	**68.2E–.20**	**24**		**14**	**14-63**	
IDC	I	11 15 54 02.9–4.8	30.02N	68.37E	0	3.8b,3.6			**¶12081041**
ISC	Event type ke.								
IDC	Error ellipse: s-maj=139.2km s-min=31.0km az=137.0.								
IDC	**I**	**11 18 15 49.6–5.2**	**30.33N**	**67.58E**	**0**	**3.8,3.8**			
									¶12081051
IDC	Error ellipse: s-maj=127.4km s-min=73.5km az=129.0.								
ISC	**I**	**22 06 29 30.8–1.3**	**35.14N–.07**	**72.6E–.20**	**35**		**8**	**1-19**	
ISCJB	I	22 06 29 29.2–1.0	35.25N–.05	72.6E–.20	33				**¶12699064**
NNC	I	22 06 29 38.0–24	35.64N	73.35E	138–190	4.3,2.8b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=26.5km s-min=6.7km az=177.6.								
NNC	Error ellipse: s-maj=229.6km s-min=195.5km az=170.0.								
ISC	**I**	**24 07 00 02.8–8.4**	**31.2N–.60**	**68.9E–.80**	**35**	**3.6b**	**9**	**13-87**	
IDC	I	24 06 59 50.2–4.1	30.48N	68.21E	0	3.7,3.6			**¶12082199**

ISC Event type ke.
IDC Error ellipse: s-maj=72.6km s-min=61.8km az=151.0.
ISC I 24 20 41 30.7–.89 30.1N–.20 67.50E–.08 17 3.5b 21 14-88
ISCJB I 24 20 41 29.1–.57 30.2N–.10 67.49E–.06 17 3.5b **¶12082248**
IDC I 24 20 41 29.0–2.4 30.20N 67.49E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=6.6km az=9.9.
IDC Error ellipse: s-maj=60.0km s-min=23.6km az=141.0.
ISC I 24 21 58 15.9–1.3 30.3N–.20 67.9E–.10 13 3.8b 15 15-88
ISCJB I 24 21 58 14.4–1.1 30.4N–.20 67.8E–.10 13 3.7b **¶12082255**
IDC I 24 21 58 14.8–3.1 30.36N 67.64E 0 3.8,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.5km s-min=10.0km az=27.0.
IDC Error ellipse: s-maj=81.3km s-min=26.9km az=141.0.
IDC I 26 07 24 18.9–1.3 30.76N 67.76E 0 3.7L,3.6
¶12082360
IDC Error ellipse: s-maj=39.2km s-min=25.7km az=124.0.
ISC I 30 17 57 11.1–3.0 30.4N–.20 67.7E–.30 14 3.5b 13 13-87
IDC I 30 17 57 10.7–2.4 30.58N 67.48E 0 3.7L,3.6 **¶11677740**
ISC Event type ke.
IDC Error ellipse: s-maj=80.1km s-min=29.2km az=87.0.
ISC I 31 10 38 19.9–1.7 31.3N–.10 70.0E–.20 35 3.2b 26 2-86
IDC I 31 10 38 17.8–1.3 31.44N 69.94E 0 3.6L,3.5 **¶12082808**
NEIC I 31 10 38 18.9–.78 31.40N 70.05E 10 4.2b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=26.6km az=97.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=6.2km az=43.0.
ISC II 01 16 08 01.7–.77 31.52N–.07 70.13E–.07 35 3.8b 41 6-86
IDC II 01 16 07 57.1–1.3 31.47N 69.96E 0 3.8L,3.7 **¶11677771**
ISCJB II 01 16 07 59.7–.59 31.53N–.05 70.25E–.06 33 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC II 02 08 36 48.1–.37 27.18N–.04 66.45E–.03 15–1 5.0b,4.7s 601 7-147
IDC II 02 08 36 44.8–.46 27.09N 66.33E 0 4.7,4.7 **¶13434188**
BJI II 02 08 36 44.9 27.22N 66.21E 13 5.1s,5.1b
ISCJB II 02 08 36 45.7–.16 27.08N–.02 66.35E–.02 16 4.9b,4.7s
MOS II 02 08 36 48.8–.97 27.21N 66.37E 33 5.1b,4.5s
TEH II 02 08 36 48.0 27.30N 66.42E 10 5.0L,4.5s
NEIC II 02 08 36 51.0–.24 27.23N 66.32E 35 5.1b,4.5s
SZGRF II 02 08 36 54.5 27.54N 65.99E 33 5.3b,4.3s
DJA II 02 08 37 00 27.09N 66.64E 107 5.0b,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=9.9km s-min=8.0km az=8.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=178.5.
MOS Error ellipse: s-maj=6.2km s-min=4.0km az=109.2.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.5km az=0.0. Felt at Karachi and Hyderabad.
SZGRF Pakistan.
ISC II 04 02 02 35.2–.92 34.19N–.05 73.62E–.06 52–11 3.8b 65 1-83
IDC II 04 02 02 28.7–.95 34.14N 73.58E 0 3.7,3.7b **¶12699506**
NDI II 04 02 02 31.4–3.6 34.35N 73.27E 33 4.1L,4.1b
ISCJB II 04 02 02 34.7–.45 34.28N–.03 73.72E–.04 65–7 3.8b,4.1b
NEIC II 04 02 02 37.8–1.6 34.38N 73.62E 71–12 4.1b,4.1b
NNC II 04 02 02 39.2–7.5 34.87N 73.11E 0 3.8,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=19.1km az=85.0.
NDI Error ellipse: s-maj=20.8km s-min=36.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.9km az=148.7.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.7km az=154.0.
NNC Error ellipse: s-maj=69.6km s-min=65.6km az=23.0.
ISC II 06 11 36 08.5–.99 30.5N–.10 67.6E–.10 14 3.8b 24 9-87
ISCJB II 06 11 36 07.0–.85 30.5N–.10 67.66E–.10 14 3.6b,3.0s **¶15955141**
IDC II 06 11 36 06.4–1.1 30.48N 67.42E 0 4.0L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.1km s-min=8.0km az=36.2.
IDC Error ellipse: s-maj=25.7km s-min=20.5km az=72.0.
ISC II 08 14 33 17.3–.34 34.42N–.03 73.50E–.04 39–3 4.6b,3.5s 213 1-151
LDG II 08 14 33 10.0–.12 34.26N 73.47E 10 4.7b,3.8s **¶12083014**
NDI II 08 14 33 11.9–3.1 34.50N 73.10E 10 4.6b,4.4L
IDC II 08 14 33 11.7–.55 34.43N 73.47E 0 4.5,4.4
NEIC II 08 14 33 13.0–1.1 34.40N 73.48E 9–7 4.6b,4.4
MOS II 08 14 33 13.4–1.1 34.45N 73.55E 22 4.5b,4.4
ISCJB II 08 14 33 14.6–.47 34.41N–.02 73.55E–.04 34–5 4.5b,3.5s
NNC II 08 14 33 19.0–3.8 34.94N 72.96E 0 4.6,4.2b
BJI II 08 14 33 22.6 34.74N 74.24E 50 4.6s,4.4b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=6.8km s-min=3.9km az=15.0.
NDI Error ellipse: s-maj=16.5km s-min=19.0km az=-1.0.
IDC Error ellipse: s-maj=14.5km s-min=12.6km az=33.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.2km az=86.0.
MOS Error ellipse: s-maj=9.4km s-min=5.4km az=94.9.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.2km az=160.9.
NNC Error ellipse: s-maj=41.9km s-min=26.4km az=69.0.
IDC II 09 00 31 05.0–6.3 33.87N 72.75E 0 3.3,3.3
¶15955282
IDC Error ellipse: s-maj=181.4km s-min=30.0km az=131.0.
ISC II 11 03 28 14.5–.54 30.97N–.05 70.16E–.05 23 3.9b 79 2-87
ISCJB II 11 03 28 12.0–.39 30.88N–.04 70.14E–.03 23 3.9b,3.4s **¶12083071**
IDC II 11 03 28 12.7–.77 31.15N 69.97E 0 4.0,3.9
NEIC II 11 03 28 19.7–2.1 31.29N 70.08E 49–18 3.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.4km az=28.8.
IDC Error ellipse: s-maj=19.2km s-min=14.9km az=25.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=9.7km az=190.0.
ISC II 13 21 19 03.8–.62 34.78N–.05 73.21E–.06 21 3.9b 23 1-83
IDC II 13 21 18 59.5–2.1 34.70N 73.24E 0 3.6,3.6b **¶12700585**
ISCJB II 13 21 19 03.0–.64 34.91N–.05 73.2E–.10 21 3.8b,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC II 20 03 48 50.2–.19 34.24N–.02 73.82E–.02 21–2 5.4b,5.1s 1193 1-149
SZGRF II 20 03 48 37.4 32.84N 74.82E 33 5.5b,4.8s **¶13434891**
IDC II 20 03 48 46.6–.37 34.24N 73.82E 0 5.4L,5.2
NEIC II 20 03 48 48.5–.13 34.20N 73.90E 12 5.5b,5.4W
BGS II 20 03 48 48.6–1.5 34.24N 73.62E 10 5.2b,5.4W
NDI II 20 03 48 48.6–6.2 34.15N 73.46E 10 5.5b,5.4L
ISCJB II 20 03 48 48.5–.46 34.28N–.01 73.88E–.02 20–3 5.3b,5.2s
MOS II 20 03 48 50.2–.96 34.26N 73.84E 33 5.6b,5.1s
DJA II 20 03 48 50 34.14N 73.97E 10 5.6b,5.1s
TEH II 20 03 48 51.0 34.25N 73.85E 26 5.4L,5.1s
NNC II 20 03 48 52.5–2.5 34.60N 73.23E 0 5.8,5.7b
LDG II 20 03 48 52.4–.54 34.37N 73.93E 60 5.3b,4.7s
BJI II 20 03 48 53.9 34.37N 74.49E 29 5.7L,5.7b
ISC Event type de.
SZGRF Southwestern Kashmir.
IDC Error ellipse: s-maj=8.5km s-min=6.8km az=28.0.
NEIC Event type de. Error ellipse: s-maj=4.2km s-min=2.5km az=28.0. At least 44 people injured and landslides in Kashmir. Some buildings damaged at Balgran, Hattian, Islamabad, Jhelum, Jura, Lahore, Malial, Masarm, Muzzaffarabad, Rawalpindi and Uri, Pakistan. Some buildings damaged at Baramulla and Marsar, India. Felt strongly in the Chandigarh-Srinagar area, India. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s120.00000°,δ70.00000°,λ90.00000°. NP2:ϕ_s300.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm30.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm210.0000° Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.51 $M_{\theta\phi}$0.53 $M_{\phi r}$-0.74 Best double couple: NP1:ϕ_s300.00000° ,δ26.00000°,λ72.00000°. NP2:ϕ_s140.00000°,δ65.00000°,λ99.00000°. Principal axes: T 1.4300,Plg68.0000°,Azm66.0000°; N -0.0300,Plg7.0000°,Azm315.0000° ; P -1.3900,Plg19.0000°,Azm223.0000° $M_0$1.40000×10^{17}
BGS Error ellipse: s-maj=612.2km s-min=804.1km az=-1.0.
NDI Error ellipse: s-maj=26.3km s-min=39.1km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.6km s-min=2.0km az=23.2.
MOS Error ellipse: s-maj=5.2km s-min=3.1km az=122.0.
NNC Error ellipse: s-maj=24.2km s-min=19.1km az=107.0.
LDG Event type ke. Error ellipse: s-maj=23.6km s-min=6.5km az=151.0.
IDC II 20 16 54 28.8–2.1 29.80N 68.90E 0 3.5,3.5L
¶15956824
IDC Error ellipse: s-maj=65.5km s-min=21.5km az=78.0.
IDC II 24 00 35 15.2–2.7 26.63N 67.68E 0 3.6,3.5
¶15957123
IDC Error ellipse: s-maj=67.8km s-min=24.6km az=149.0.
ISC III 02 04 24 30.5–1.1 30.4N–.10 66.91E–.09 35 3.6b,3.1s 26 14-87
IDC III 02 04 24 25.4–1.2 30.45N 66.52E 0 4.0L,3.8 **¶12054574**
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=23.0km az=86.0.
ISC III 02 11 01 54.3–.62 27.1N–.10 65.57E–.07 35 3.8b 31 7-123
IDC III 02 11 01 49.5–.71 27.04N 65.51E 0 4.0,3.9 **¶12702258**
ISCJB III 02 11 01 51.6–.55 26.92N–.09 65.60E–.06 33 3.8b,3.1s
ISC Event type ke.
ISCJB Event type ke.
ISC III 02 15 05 04.4–.43 30.47N–.04 67.67E–.03 17–2 4.7b,3.8s 398 4-95
IDC III 02 15 05 01.1–.57 30.43N 67.62E 0 4.5,4.4 **¶11737344**
BJI III 02 15 05 01.3 30.65N 67.48E 16 5.0b,4.7b
SZGRF III 02 15 05 01.9 30.28N 67.91E 33 4.8b,4.7b
NEIC III 02 15 05 02.7–.23 30.52N 67.78E 10 5.0b,4.7b
ISCJB III 02 15 05 02.3–.21 30.52N–.03 67.72E–.02 15 4.6b,3.9s
MOS III 02 15 05 04.9–1.1 30.58N 67.76E 33 5.0b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=10.4km az=7.0.
SZGRF Pakistan.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.7km az=199.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.8km az=6.6.
MOS Error ellipse: s-maj=5.8km s-min=3.7km az=107.1.
ISC III 02 15 26 08.6–.61 26.58N–.07 66.11E–.06 35 4.0b,3.2s 53 8-89
ISCJB III 02 15 26 06.3–.49 26.58N–.06 65.99E–.05 33 4.0b,3.1s **¶12702275**
IDC III 02 15 26 09.1–3.3 26.49N 65.98E 45–34 4.2L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.3km az=10.8.
IDC Error ellipse: s-maj=17.0km s-min=13.7km az=38.0.
ISC III 05 17 05 38.1–.91 29.3N–.10 69.86E–.08 35 3.4b 14 6-88
IDC III 05 17 05 33.5–1.2 29.33N 69.86E 0 3.7L,3.6 **¶12702502**
ISCJB III 05 17 05 37.1–1.2 29.4N–.10 69.9E–.10 33 3.4b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC III 12 15 47 05.2–1.1 30.4N–.10 68.0E–.10 13 3.7b 21 11-87
ISCJB III 12 15 47 03.6–.91 30.5N–.10 68.05E–.09 13 3.6b **¶12703085**
IDC III 12 15 47 03.5–1.1 30.53N 67.81E 0 3.8L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=8.0km az=30.7.
IDC Error ellipse: s-maj=31.9km s-min=23.2km az=87.0.
ISC III 14 13 26 21.5–.50 29.97N–.04 68.46E–.03 24–3 4.8b,4.0s 473 4-145
IDC III 14 13 26 17.6–.39 30.03N 68.43E 0 4.8L,4.7 **¶13436278**
ISCJB III 14 13 26 18.7–.17 29.94N–.03 68.48E–.02 22 4.8b,3.9s
TEH III 14 13 26 20.0 30.15N 68.49E 10 4.9L,3.9s
BJI III 14 13 26 20.0 30.24N 68.21E 30 5.1b,4.9b
DJA III 14 13 26 21.8–.40 30N–7.0 69E–7.0 10 5.3b,5.2b
MOS III 14 13 26 21.3–1.3 30.12N 68.52E 33 5.0b,5.2b
NEIC III 14 13 26 23.0–1.0 30.15N 68.47E 36–9 5.0b,5.2b
NNC III 14 13 26 25.1–3.0 30.76N 68.64E 0 4.5b,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=11.6km s-min=10.0km az=9.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.4km az=3.2.
MOS Error ellipse: s-maj=6.1km s-min=4.0km az=114.4.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=3.9km az=191.0. Felt at Loralai, Quetta and Ziaret.
NNC Error ellipse: s-maj=39.0km s-min=36.1km az=151.0.
ISC III 16 21 53 00.7–1.3 31.4N–.10 70.2E–.10 35 3.4b 23 2-86
IDC III 16 21 52 55.1–3.9 31.38N 70.34E 0 3.9L,3.6 **¶12703462**
ISC Event type ke.
IDC Error ellipse: s-maj=116.8km s-min=27.5km az=131.0.
ISC III 17 23 14 45.9–.33 25.97N–.04 67.26E–.03 17–1 4.9b,4.5s 799 7-131
IDC III 17 23 14 42.4–.41 25.78N 67.30E 0 4.7,4.7 **¶13436558**
ISCJB III 17 23 14 43.3–.15 25.90N–.02 67.29E–.02 15 4.8b,4.5s
TEH III 17 23 14 45.0 25.88N 67.22E 15 4.9L,4.5s
MOS III 17 23 14 46.0–1.2 25.93N 67.27E 33 5.0b,4.4s
BJI III 17 23 14 46.7 26.16N 67.80E 10 5.0s,5.0b
SZGRF III 17 23 14 47.2 24.62N 66.08E 30 4.7b,5.0b
NEIC III 17 23 14 47.2–1.8 25.91N 67.24E 27–12 5.0b,5.0b
GCMT III 17 23 14 48.9–.20 25.84N 67.42E 12 5.0W,5.0b
DJA III 17 23 14 56.5–1.6 26N–9.0 68E–6.0 102–19 5.3b,4.8b
ISC Event type fe.
ISCJB Event type fe.
SZGRF Pakistan.
NEIC Event type fe. Felt [II] at Karachi.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s52,c77; s86,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}4.63±.08 $M_{\theta\theta}$-0.86±.08; $M_{\phi\phi}$-3.77±.09; $M_{r\theta}$-0.85±.28; $M_{\theta\phi}$-1.52±.07; $M_{\theta r}$0.56±.24; Best double couple: NP1:ϕ_s214.00000°,δ45.00000°,λ106.00000°. NP2:ϕ_s12.00000°,δ47.00000°,λ75.00000°. Principal axes: T 4.8300,Plg79.0000° ,Azm209.0000°; N -0.4100,Plg11.0000°,Azm23.0000°; P -4.4200,Plg1.0000°,Azm113.0000° $M_0$4.60000×10^{16}
ISC III 19 05 24 41.5–.60 34.40N–.05 73.84E–.08 26 4.0b 53 3-83
IDC III 19 05 24 36.6–.86 34.26N 73.54E 0 4.1,4.0b **¶12703649**
ISCJB III 19 05 24 39.1–.46 34.34N–.03 73.92E–.08 26 3.9b,4.0b
NDI III 19 05 24 39.4–2.4 34.43N 73.50E 10 4.0L,4.0b
BJI III 19 05 24 40.5 34.25N 73.37E 63 4.2b,3.9s
NNC III 19 05 24 44.5–4.7 34.71N 72.88E 0 4.1,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=16.7km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=3.2km az=159.7.
NDI Error ellipse: s-maj=14.6km s-min=29.8km az=-1.0.
NNC Error ellipse: s-maj=49.2km s-min=37.2km az=133.0.
ISC III 20 04 35 26.0–.45 35.13N–.04 72.26E–.06 35 4.2b 114 1-83
IDC III 20 04 35 20.5–1.0 35.14N 72.29E 0 4.2,4.1b **¶13436790**
ISCJB III 20 04 35 23.9–.29 35.15N–.02 72.26E–.05 33 4.1b,4.1s
NNC III 20 04 35 28.4–10 35.25N 71.98E 78–88 4.7,3.8b
MOS III 20 04 35 28.7–.78 35.36N 72.27E 74 4.5b,3.8b
NEIC III 20 04 35 29.1–.95 35.30N 72.31E 65–8 4.1b,3.8b
BJI III 20 04 35 58.3 37.22N 73.67E 192 4.4b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=18.6km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.0km az=161.8.
NNC Error ellipse: s-maj=93.7km s-min=55.9km az=31.0.
MOS Error ellipse: s-maj=12.9km s-min=6.1km az=86.5.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=139.0.
ISC III 22 15 13 16.6–.71 25.90N–.10 67.39E–.07 35 3.9s,3.8b 48 8-92
IDC III 22 15 13 11.2–.92 25.71N 67.31E 0 4.0,3.9 **¶12612723**
ISCJB III 22 15 13 13.8–.52 25.76N–.07 67.52E–.04 33 3.9s,3.8b
MOS III 22 15 13 16.3–1.4 25.98N 67.39E 33 4.1b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=19.0km az=171.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.3km az=8.4.
MOS Error ellipse: s-maj=21.7km s-min=10.4km az=94.4.
IDC III 23 01 30 02.2–1.9 31.51N 70.13E 0 3.8L,3.7
¶12635344
IDC Error ellipse: s-maj=47.4km s-min=24.9km az=78.0.
IDC III 23 10 22 27.8–3.8 31.49N 70.48E 0 3.7L,3.6
¶12635377
IDC Error ellipse: s-maj=200.1km s-min=50.2km az=113.0.
ISC III 23 14 31 01.9–.45 31.49N–.05 70.04E–.05 10 4.2b,3.7s 129 2-86
ISCJB III 23 14 30 59.5–.32 31.46N–.03 70.09E–.04 10 4.1b,3.6s **¶12612740**
IDC III 23 14 31 00.3–.60 31.44N 69.99E 0 4.3,4.3L
NEIC III 23 14 31 01.7–4.9 31.46N 70.03E 9–30 4.4b,4.3L
NNC III 23 14 31 03.5–4.1 31.72N 69.96E 0 4.1b,4.3L

MOS III 23 14 31 04.2–1.4 31.59N 70.11E 39 4.4b,4.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.7km az=39.1.
IDC Error ellipse: s-maj=15.1km s-min=12.2km az=19.0.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=6.5km az=208.0. Felt in the Kolachi area.
NNC Error ellipse: s-maj=51.2km s-min=42.2km az=166.0.
MOS Error ellipse: s-maj=10.8km s-min=5.7km az=87.7.
ISC III 23 18 55 50.1–1.6 34.0N–.10 71.9E–.20 35 23 9-80
ISCJB III 23 18 55 48.8–.99 34.00N–.06 72.1E–.10 33 3.6s,3.5b ¶12635408
IDC III 23 18 55 49.5–2.3 34.27N 71.73E 0 3.7,3.6s
NNC III 23 18 55 52.0–7.3 34.43N 71.50E 0 3.6,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=5.4km az=154.6.
IDC Error ellipse: s-maj=57.1km s-min=25.9km az=82.0.
NNC Error ellipse: s-maj=77.1km s-min=56.5km az=128.0.
IDC III 25 10 43 11.8–7.0 30.18N 68.27E 0 3.6s,3.6b
¶12635545
IDC Error ellipse: s-maj=304.7km s-min=68.0km az=129.0.
IDC III 29 11 05 16.6–1.0 27.47N 66.17E 0 3.7,3.6s
¶12635857
IDC Error ellipse: s-maj=25.2km s-min=22.5km az=49.0.
ISC IV 03 17 45 19.4–.40 34.69N–.03 73.01E–.03 42–3 4.4b,4.1s 295 1-91
LDG IV 03 17 45 12.2–.20 34.59N 73.20E 10 4.3b,2.9s ¶13437879
IDC IV 03 17 45 13.8–.56 34.66N 73.06E 0 4.4L,4.3
MOS IV 03 17 45 17.1–.85 34.63N 73.03E 33 4.6b,4.3
BJI IV 03 17 45 17.5 34.65N 73.15E 38 4.8b,4.7b
ISCJB IV 03 17 45 18.1–.37 34.71N–.02 73.06E–.03 43–4 4.3b,3.8s
NEIC IV 03 17 45 19.6–.59 34.67N 73.09E 42–5 4.5b,3.8s
NNC IV 03 17 45 25.0–4.8 34.95N 72.83E 82–42 4.5,3.9b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=16.2km s-min=7.6km az=36.0.
IDC Error ellipse: s-maj=15.3km s-min=12.2km az=27.0.
MOS Error ellipse: s-maj=7.6km s-min=4.5km az=97.2.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=156.9.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.3km az=215.0.
NNC Error ellipse: s-maj=36.5km s-min=31.0km az=38.0.
IDC IV 04 07 16 43.4–3.7 31.44N 70.06E 0 4.1,4.1s
¶16152345
IDC Error ellipse: s-maj=127.7km s-min=44.7km az=116.0.
ISC IV 06 07 01 26.2–.60 34.82N–.03 73.10E–.03 15–3 4.5b,3.5s 239 1-148
IDC IV 06 07 01 23.9–.46 34.82N 73.15E 0 4.4,4.4 ¶13438035
ISCJB IV 06 07 01 24.8–.76 34.84N–.02 73.20E–.03 18–6 4.3b,3.4s
NDI IV 06 07 01 24.0–2.5 34.95N 72.73E 10 4.6b,4.4L
NEIC IV 06 07 01 26.1–1.1 34.77N 73.10E 13–7 4.6b,4.4L
MOS IV 06 07 01 27.2–.87 34.85N 73.11E 33 4.7b,4.4L
BJI IV 06 07 01 27.4 34.76N 73.73E 5 4.7b,4.5b
NNC IV 06 07 01 35.9–1.6 35.19N 72.86E 95–14 4.4,3.8b
ISC Event type fe.
IDC Error ellipse: s-maj=12.8km s-min=10.8km az=35.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.8km az=159.0.
NDI Error ellipse: s-maj=12.0km s-min=12.3km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.8km az=82.0. Felt at Rawalpindi.
MOS Error ellipse: s-maj=8.4km s-min=4.5km az=96.4.
NNC Error ellipse: s-maj=14.6km s-min=10.1km az=78.0.
ISC IV 06 07 22 18.7–1.0 34.83N–.09 73.0E–.10 24 3.7b 23 6-83
IDC IV 06 07 22 14.4–1.1 34.77N 73.26E 0 3.7,3.7b ¶12934666
ISCJB IV 06 07 22 17.3–.83 34.89N–.07 73.1E–.10 24 3.6b,3.0s
NNC IV 06 07 22 26.7–3.7 35.19N 72.98E 82–44 3.5,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=21.6km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=9.3km az=8.2.
NNC Error ellipse: s-maj=29.4km s-min=22.6km az=38.0.
ISC IV 06 22 14 53.2–1.2 29.0N–.20 70.6E–.10 35 3.6b 17 11-89
IDC IV 06 22 14 48.6–1.4 28.99N 70.24E 0 3.7,3.6L ¶16152480
ISC Event type ke.
IDC Error ellipse: s-maj=35.8km s-min=26.1km az=59.0.
ISC IV 10 21 01 13.1–.47 34.72N–.04 72.90E–.05 21 3.9b 62 1-83
IDC IV 10 21 01 09.6–.80 34.73N 72.89E 0 4.0,3.9 ¶12742167
ISCJB IV 10 21 01 11.3–.29 34.71N–.03 73.09E–.04 21 4.0b,3.9
NDI IV 10 21 01 12.6–1.7 34.59N 72.41E 10 3.6L,3.9
NNC IV 10 21 01 20.1–2.8 35.04N 72.13E 45–31 3.9,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=16.2km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=162.0.
NDI Error ellipse: s-maj=11.6km s-min=21.5km az=-1.0.
NNC Error ellipse: s-maj=22.1km s-min=9.7km az=28.0.
IDC IV 16 05 49 32.5–6.7 28.85N 70.14E 0 3.6,3.5
¶16152834
IDC Error ellipse: s-maj=303.0km s-min=75.5km az=123.0.
ISC IV 19 02 25 26.1–.67 29.99N–.06 70.20E–.06 12 3.7b 43 3-88
ISCJB IV 19 02 25 24.5–.51 29.95N–.05 70.22E–.04 12 3.6b,3.3s ¶12935711
IDC IV 19 02 25 24.6–.89 30.02N 70.22E 0 3.9L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.1km az=27.4.
IDC Error ellipse: s-maj=20.9km s-min=18.8km az=59.0.
IDC IV 20 23 17 27.9–1.0 30.31N 67.63E 0 3.9L,3.8
¶16153176
IDC Error ellipse: s-maj=25.5km s-min=21.6km az=115.0.
ISC IV 21 02 54 41.9–.86 30.31N–.06 69.82E–.06 19 3.6b 51 3-87
ISCJB IV 21 02 54 39.5–.68 30.21N–.06 69.88E–.06 19 3.5b ¶12935914
IDC IV 21 02 54 40.1–.97 30.43N 69.80E 0 3.7,3.7L
NNC IV 21 02 54 51.7–3.7 31.46N 69.98E 0 3.5b,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.2km az=38.9.
IDC Error ellipse: s-maj=27.0km s-min=20.2km az=84.0.
NNC Error ellipse: s-maj=82.7km s-min=36.2km az=94.0.
ISC IV 27 04 02 21.0–.78 34.91N–.06 73.6E–.10 21 3.6b 23 3-83
IDC IV 27 04 02 16.5–1.2 34.76N 73.73E 0 3.6,3.5b ¶12936318
ISCJB IV 27 04 02 19.0–.58 34.95N–.04 73.6E–.10 21 3.5b,3.5b
NNC IV 27 04 02 28.8–3.2 35.16N 73.43E 87–54 3.7,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=28.7km s-min=23.5km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=4.7km az=160.8.
NNC Error ellipse: s-maj=33.5km s-min=25.5km az=101.0.
IDC IV 27 07 32 45.4–1.4 30.47N 67.61E 0 3.7,3.6
¶16154547
IDC Error ellipse: s-maj=36.3km s-min=26.3km az=102.0.
ISC IV 29 03 55 30.8–1.1 25.8N–.20 67.6E–.10 35 3.5b,3.2s 21 9-92
IDC IV 29 03 55 26.0–.93 25.81N 67.36E 0 3.7,3.6 ¶16154608
ISCJB IV 29 03 55 28.6–.88 25.8N–.10 67.65E–.07 33 3.5b,3.2s
ISC Event type ke.
ISCJB Event type ke.
IDC V 02 05 06 58.5–5.6 29.01N 68.63E 0 3.7L,3.4
¶16154824
IDC Error ellipse: s-maj=184.6km s-min=26.7km az=136.0.
ISC V 07 01 09 46.4–.54 34.77N–.05 73.27E–.06 21 3.7b 50 1-83
IDC V 07 01 09 42.6–.79 34.70N 73.15E 0 3.9,3.9b ¶13439372
ISCJB V 07 01 09 44.7–.36 34.80N–.03 73.30E–.06 21 3.7b,3.9b
NNC V 07 01 09 48.9–4.3 35.11N 72.81E 0 3.8,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=20.9km s-min=16.2km az=78.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.7km az=162.5.
NNC Error ellipse: s-maj=44.5km s-min=37.4km az=133.0.
ISC V 08 13 44 55.9–.73 30.52N–.10 66.52E–.09 12 3.8b 26 10-87
IDC V 08 13 44 52.8–1.1 30.49N 66.22E 0 4.1,4.1s ¶13678558
ISCJB V 08 13 44 53.5–.40 30.51N–.06 66.45E–.05 12 4.0s,3.7b
ISC Event type ke.
ISCJB Event type ke.
ISC V 10 03 00 40.3–1.2 34.2N–.10 73.5E–.20 27 3.4b 13 3-83
ISCJB V 10 03 00 40.3–.75 34.4N–.10 73.5E–.20 27 3.5b ¶13553115
IDC V 10 03 00 54.4–5.4 34.58N 73.88E 143–48 3.2,3.1

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.9km s-min=6.1km az=143.1.
IDC Error ellipse: s-maj=42.3km s-min=21.5km az=33.0.
ISC V 19 23 32 49.4–.73 30.32N–.06 67.59E–.07 14 3.7b 36 4-87
ISCJB V 19 23 32 47.4–.51 30.30N–.04 67.63E–.05 14 3.6b,3.1s ¶12863051
IDC V 19 23 32 47.2–.97 30.37N 67.49E 0 4.1L,3.9
BJI V 19 23 32 48.1 30.40N 67.42E 11 4.4b,4.3b
NNC V 19 23 32 54.7–2.9 30.85N 67.93E 0 3.5b,4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.0km az=154.9.
IDC Error ellipse: s-maj=25.3km s-min=20.3km az=88.0.
NNC Error ellipse: s-maj=74.3km s-min=26.6km az=101.0.
ISC V 21 22 02 06.3–1.3 31.5N–.10 70.2E–.10 35 3.5b,3.1s 16 12-65
IDC V 21 22 02 01.4–3.9 31.49N 70.09E 0 3.6,3.5 ¶13598435
ISCJB V 21 22 02 04.4–.98 31.60N–.06 70.3E–.10 33 3.4b,3.0s
ISC Event type ke.
ISCJB Event type ke.
ISC V 22 05 37 03.4–1.1 29.1N–.10 69.5E–.10 12 3.7b 15 5-89
ISCJB V 22 05 37 01.3–1.7 29.0N–.20 69.7E–.20 12 3.6b,2.8s ¶13439750
IDC V 22 05 37 01.0–1.9 28.96N 69.62E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=35.7km s-min=19.7km az=144.9.
IDC Error ellipse: s-maj=45.8km s-min=23.8km az=144.0.
NDI V 24 22 59 42.3–2.1 34.19N 73.33E 10 2.8L
¶13598612
NDI Error ellipse: s-maj=18.7km s-min=31.5km az=-1.0.
ISC V 28 14 59 45.8–.43 35.30N–.04 72.03E–.05 68 4.3b 110 1-83
MOS V 28 14 59 41.8–1.0 35.31N 71.85E 33 4.3b ¶13439808
BJI V 28 14 59 42.3 35.54N 71.68E 48 4.5b,4.1b
ISCJB V 28 14 59 44.1–.25 35.29N–.02 72.09E–.04 68 4.2b,4.1b
IDC V 28 14 59 47.8–3.5 35.42N 71.89E 74–31 4.0,3.9
NNC V 28 14 59 48.1–4.9 35.51N 71.65E 89–42 4.2,4.0b
ISC Event type ke.
MOS Error ellipse: s-maj=13.0km s-min=5.0km az=84.6.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=163.4.
IDC Error ellipse: s-maj=17.6km s-min=14.6km az=169.0.
NNC Error ellipse: s-maj=45.4km s-min=25.2km az=39.0.
NDI V 29 11 01 40.7–2.5 34.64N 73.05E 10 3.9L
¶13653729
NDI Error ellipse: s-maj=23.1km s-min=38.3km az=-1.0.
ISC VI 02 04 05 35.4–.71 31.18N–.07 70.11E–.06 23 3.8b 41 2-87
IDC VI 02 04 05 31.7–.91 31.10N 69.87E 0 4.0,3.8 ¶13469894
ISCJB VI 02 04 05 32.9–.51 31.07N–.06 69.97E–.06 23 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC VI 02 10 35 36.1–.56 34.88N–.04 73.12E–.06 24 3.6b 31 1-83
ISCJB VI 02 10 35 35.3–.41 35.00N–.03 73.24E–.06 24 3.7b ¶13680164
NDI VI 02 10 35 35.7–1.5 34.74N 72.79E 10 3.5L
IDC VI 02 10 35 38.8–5.5 34.88N 73.11E 54–46 3.5,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.2km az=164.8.
NDI Error ellipse: s-maj=10.9km s-min=16.8km az=-1.0.
IDC Error ellipse: s-maj=34.7km s-min=27.4km az=36.0.
ISC VI 03 18 26 27.7–.55 34.67N–.04 73.14E–.06 10 4.1b 46 1-82
NDI VI 03 18 26 29.4–2.6 34.66N 72.97E 10 3.8L ¶13469901
NNC VI 03 18 26 33.9–11 35.16N 72.60E 0 3.9b,3.6
IDC VI 03 18 26 35.9–9.0 34.86N 73.17E 75–84 3.6,3.6b
ISC Event type ke.
NDI Error ellipse: s-maj=18.7km s-min=29.6km az=-1.0.
NNC Error ellipse: s-maj=101.8km s-min=83.6km az=143.0.
IDC Error ellipse: s-maj=42.5km s-min=21.9km az=21.0.
ISC VI 06 09 08 28.1–.45 34.99N–.04 73.23E–.04 65–4 4.4b 160 1-84
IDC VI 06 09 08 19.8–.58 34.93N 73.12E 0 4.3,4.2 ¶13439947
NDI VI 06 09 08 23.0–2.4 34.94N 73.01E 10 4.4L,4.3b
ISCJB VI 06 09 08 24.3–.41 34.97N–.02 73.30E–.04 44–5 4.3b,3.7s
MOS VI 06 09 08 25.6–.94 34.98N 73.17E 53 4.6b,3.7s
NNC VI 06 09 08 27.8–2.5 35.45N 72.33E 0 4.5b,4.2
NEIC VI 06 09 08 28.5–.77 35.01N 73.16E 66–6 4.3b,4.2
BJI VI 06 09 08 33.0 35.09N 74.03E 69 4.7b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=13.6km az=70.0.
NDI Error ellipse: s-maj=13.5km s-min=15.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.0km az=157.7.
MOS Error ellipse: s-maj=11.8km s-min=6.2km az=90.0.
NNC Error ellipse: s-maj=19.7km s-min=15.6km az=33.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=161.0.
NDI VI 07 13 23 17.3–2.4 33.73N 73.22E 10 3.5L
¶14852094
NDI Error ellipse: s-maj=19.4km s-min=30.9km az=-1.0.
IDC VI 09 19 03 55.7–4.5 30.02N 69.73E 0 3.4,3.2
¶16101160
IDC Error ellipse: s-maj=151.9km s-min=28.3km az=80.0.
ISC VI 14 14 33 07.3–1.8 34.77N–.04 73.17E–.05 31–13 4.3b 72 1-92
IDC VI 14 14 33 02.5–.61 34.66N 73.17E 0 4.3,4.2b ¶13469971
NDI VI 14 14 33 03.1–2.3 34.85N 72.92E 10 4.2L,4.2b
ISCJB VI 14 14 33 07.0–.50 34.77N–.03 73.29E–.04 44–6 4.3b,2.8s
BJI VI 14 14 33 08.5 35.10N 72.70E 100 4.4b,4.1b
NNC VI 14 14 33 16.9–2.1 35.22N 72.78E 76–19 4.3,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=14.1km az=113.0.
NDI Error ellipse: s-maj=15.0km s-min=17.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.3km az=162.1.
NNC Error ellipse: s-maj=15.8km s-min=12.2km az=30.0.
ISC VI 14 20 17 53.5–1.1 27.6N–.20 66.5E–.20 35 3.9b 18 23-90
IDC VI 14 20 17 48.2–.93 27.52N 66.59E 0 4.0,3.7 ¶16101334
ISCJB VI 14 20 17 51.3–.82 27.6N–.10 66.3E–.10 33 3.9b,3.7
ISC Event type ke.
ISCJB Event type ke.
ISC VI 21 21 07 23.8–.69 31.51N–.06 69.96E–.07 35 3.7b 52 2-86
IDC VI 21 21 07 18.4–.94 31.41N 70.03E 0 4.0L,3.9 ¶13681808
ISCJB VI 21 21 07 21.9–.60 31.58N–.05 70.00E–.04 33 3.7b,3.3s
NNC VI 21 21 07 29.7–6.0 31.93N 70.51E 55–46 3.6b,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=19.8km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.4km az=25.0.
NNC Error ellipse: s-maj=46.2km s-min=26.7km az=149.0.
IDC VI 26 09 27 45.6–3.5 31.44N 70.37E 0 3.6,3.5
¶16101742
IDC Error ellipse: s-maj=115.8km s-min=22.7km az=84.0.
ISC VI 26 09 52 17.6–.77 31.38N–.07 70.00E–.05 35 4.0b,3.3s 50 2-86
IDC VI 26 09 52 12.6–.89 31.38N 70.11E 0 4.3L,4.2 ¶13682057
NNC VI 26 09 52 12.4–12 31.37N 70.39E 0 4.1b,4.2
ISCJB VI 26 09 52 15.3–.56 31.44N–.05 70.10E–.06 33 3.9b,3.3s
ISC Event type ke.
ISCJB Event type ke.
IDC VI 27 10 41 33.9–2.6 31.49N 70.26E 0 3.6,3.5L
¶16101780
IDC Error ellipse: s-maj=92.2km s-min=25.5km az=82.0.
IDC VI 27 19 40 44.1–4.0 29.37N 67.68E 0 3.8L,3.7
¶16101793
IDC Error ellipse: s-maj=95.3km s-min=27.5km az=140.0.

(711) Southwestern Kashmir.

ISC II 10 12 14 35.8–1.1 33.79N–.08 74.5E–.10 70–16 3.5b 26 2-80
NDI II 10 12 14 26.3–3.2 34.45N 74.26E 33 3.7L ¶12699910
IDC II 10 12 14 26.6–1.0 33.43N 74.39E 0 3.6,3.5
ISCJB II 10 12 14 34.3–.78 33.86N–.05 74.74E–.10 78–11 3.3b,3.5
NNC II 10 12 14 34.6–5.5 33.53N 73.14E 22–68 3.5b,3.5
ISC Event type ke.
NDI Error ellipse: s-maj=22.3km s-min=43.6km az=-1.0.
IDC Error ellipse: s-maj=32.7km s-min=20.6km az=69.0.

ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=6.2km az=156.4.
NNC Error ellipse: s-maj=66.0km s-min=27.1km az=140.0.
NDI V 23 02 44 32.7–2.0 33.91N 74.35E 10 3.1L
¶14761764
NDI Error ellipse: s-maj=18.6km s-min=32.5km az=-1.0.
NDI VI 26 03 22 10.1–.82 32.76N 74.46E 10 2.7L
¶16723478
NDI Error ellipse: s-maj=7.6km s-min=6.2km az=-1.0.

(712) India-Pakistan border region.

IDC III 15 11 15 40.4–18 27.97N 70.58E 0 3.5,3.3b
¶12703346
IDC Error ellipse: s-maj=1003.0km s-min=84.9km az=126.0.
ISC IV 09 01 46 58.2–.26 27.17N–.03 70.77E–.03 42–2 5.2b,4.3s 1035 4-146
SZGRF IV 09 01 46 48.0 25.03N 70.89E 41 4.8b,4.3s **¶13438213**
LDG IV 09 01 46 52.2–.94 26.31N 70.81E 47 5.2b,4.0s
ISCJB IV 09 01 46 55.1–.38 27.09N–.02 70.75E–.02 33–3 5.1b,4.3s
DJA IV 09 01 46 56.0–3.4 27N–6.0 71E–5.0 12–24 6.2,5.9b
MOS IV 09 01 46 56.5–1.1 27.16N 70.74E 42 5.4b,4.3s
IDC IV 09 01 46 57.6–.53 27.08N 70.75E 38–4 5.8L,4.6
NDI IV 09 01 46 57.1–2.5 27.02N 70.62E 36–28 5.2L,5.2b
NEIC IV 09 01 46 58.3–.16 27.14N 70.75E 44 5.2b,5.2b
BJI IV 09 01 46 58.1 27.35N 70.82E 43 5.0b,4.9b
TEH IV 09 01 46 59.0 27.17N 70.74E 43 5.2L,4.9b
GCMT IV 09 01 47 02.3–.30 26.99N 70.64E 39–1 5.1W,4.9b
ISC Event type de.
SZGRF India-Pakistan border region.
LDG Event type ke.
ISCJB Event type de. Error ellipse: s-maj=3.5km s-min=2.3km az=9.1.
MOS Error ellipse: s-maj=5.5km s-min=3.0km az=115.8.
IDC Error ellipse: s-maj=9.9km s-min=9.0km az=11.0.
NDI Error ellipse: s-maj=10.6km s-min=21.4km az=-1.0.
NEIC Event type de. Error ellipse: s-maj=4.2km s-min=3.2km az=21.0. At least 6 people injured and many buildings damaged at Jaisalmer, India. Felt at Bhuj, Bikaner, Jaipur, Jodhpur and by people in high-rise buildings at Delhi. Also felt at Kabul, Afghanistan and at Hyderabad and Sukkur, Pakistan.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s45,c61; s81,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}0.47±.21 $M_{\theta\theta}$-4.65±.17; $M_{\phi\phi}$4.19±.17; $M_{r\theta}$-2.86±.20; $M_{\theta\phi}$3.13±.15; $M_{\phi r}$-1.14±.20; Best double couple: NP1:ϕ_s153.00000°,δ60.00000°,λ179.00000°. NP2:ϕ_s243.00000°,δ89.00000°,λ30.00000°. Principal axes: T 5.9500,Plg21.0000° ,Azm112.0000°; N 0.5600,Plg60.0000°,Azm245.0000°; P -6.5000,Plg20.0000°,Azm14.0000° M_o6.20000×10^{16}

SEISMIC REGION 48.
Hindu Kush and Pamir.

(713) Central Kazakhstan.

NNC I 03 05 53 05.6–3.1 42.59N 65.27E 0 3.8b,3.4
¶12698574
NNC Error ellipse: s-maj=31.5km s-min=12.3km az=31.0.
NNC I 16 22 18 29.4–.30 47.87N 67.53E 0 3.8b,3.4
¶12609306
NNC Error ellipse: s-maj=2.7km s-min=2.0km az=32.0.
ISC I 17 11 21 49.9–1.8 50.77N–.07 73.49E–.04 24–15 3.7b 27 2-91
ISCJB I 17 11 21 47.0–2.4 50.62N–.06 73.49E–.09 12–17 3.6b **¶12081532**
IDC I 17 11 21 47.6–.68 50.86N 73.61E 0 3.7,3.5b
NNC I 17 11 21 48.5–1.8 50.57N 73.34E 0 3.5b,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=6.7km az=38.6.
IDC Error ellipse: s-maj=15.8km s-min=6.9km az=21.0.
NNC Error ellipse: s-maj=26.1km s-min=10.8km az=26.0.
ISC I 18 08 06 09.8–1.1 50.9N–.10 73.48E–.06 10 22 2-61
NNC I 18 08 06 08.2–2.4 50.52N 73.24E 0 3.1b,2.7 **¶12081621**
IDC I 18 08 06 09.4–.96 50.91N 73.51E 0 3.3b,3.2
ISC Event type ke.
NNC Error ellipse: s-maj=34.2km s-min=7.9km az=28.0.
IDC Error ellipse: s-maj=22.6km s-min=7.2km az=27.0.
NNC I 21 10 41 21.9–6.6 50.95N 73.63E 0 2.7b,2.4
¶12699035
NNC Error ellipse: s-maj=106.7km s-min=28.5km az=24.0.
NNC I 23 09 55 16.4–1.1 43.69N 69.55E 0 3.6b,2.8
¶12699128
NNC Error ellipse: s-maj=6.5km s-min=5.7km az=42.0.
ISC II 07 04 52 50.6–.34 43.32N–.04 66.35E–.02 16–1 4.7b,3.8s 491 3-148
IDC II 07 04 52 48.2–.42 43.11N 66.33E 0 4.6,4.6 **¶13434354**
ISCJB II 07 04 52 49.1–.12 43.16N–.02 66.32E–.02 15 4.6b,3.9s
NEIC II 07 04 52 49.9–.18 43.20N 66.35E 10 4.8b,4.3W
BJI II 07 04 52 49.7 43.38N 66.62E 10 4.9b,4.7b
TEH II 07 04 52 50.0 43.22N 66.34E 10 4.9L,4.7b
NNC II 07 04 52 51.2–1.6 43.63N 66.53E 0 4.8b,4.4
MOS II 07 04 52 51.6–1.1 43.29N 66.40E 33 4.9b,4.4
ISC Event type fe.
IDC Error ellipse: s-maj=10.0km s-min=6.6km az=176.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=2.7.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.1km az=183.0. Felt [II] at Qyzylorda. Also felt at Shymkent and Shieli. Felt at Chirchik and Tashkent, Uzbekistan. Moment Tensor Solution. M_o3.00000×10^{15}
NNC Error ellipse: s-maj=16.2km s-min=7.5km az=38.0.
MOS Error ellipse: s-maj=5.9km s-min=4.4km az=133.8.
NNC II 09 09 13 00.2–.72 50.48N 74.84E 0 3.1b,2.7
¶12835630
NNC Error ellipse: s-maj=12.2km s-min=3.4km az=24.0.
NNC II 12 11 19 18.3–4.1 51.68N 74.40E 0 3.0b,2.7
¶12835770
NNC Error ellipse: s-maj=233.2km s-min=26.2km az=24.0.
ISC II 13 11 59 13.4–.80 50.29N–.05 73.35E–.04 10 23 3-61
IDC II 13 11 59 12.8–.91 50.22N 73.28E 0 3.1,3.1b **¶12700503**
NNC II 13 11 59 15.9–.29 49.96N 72.94E 0 3.0b,2.7
ISC Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=9.3km az=69.0.
NNC Error ellipse: s-maj=3.5km s-min=2.3km az=53.0.
ISC II 21 09 04 46.4–2.5 50.8N–.10 73.65E–.07 27–19 21 3-61
NNC II 21 09 04 42.3–2.5 50.47N 73.20E 0 3.1b,2.7 **¶12701413**
IDC II 21 09 04 42.4–.89 50.79N 73.66E 0 3.4b,3.1
ISC Event type ke.
NNC Error ellipse: s-maj=36.5km s-min=9.1km az=30.0.
IDC Error ellipse: s-maj=18.7km s-min=7.5km az=25.0.
NNC II 24 08 07 46.4–.50 42.94N 69.79E 0 2.1
¶12865705
NNC Error ellipse: s-maj=51.4km s-min=2.5km az=162.0.
ISC II 27 11 52 46.1–4.3 50.78N–.06 73.63E–.04 4–28 3.5b 26 3-69
IDC II 27 11 52 46.5–.59 50.82N 73.62E 0 3.5,3.5L **¶12702000**
NNC II 27 11 52 50.9–3.1 51.27N 73.95E 0 3.4b,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=10.5km s-min=6.8km az=25.0.
NNC Error ellipse: s-maj=70.8km s-min=16.3km az=23.0.
ISC III 19 19 08 48.3–.74 47.77N–.09 67.51E–.06 10 3.9b 25 5-70
IDC III 19 19 08 46.3–.68 47.78N 67.41E 0 4.1,3.9b **¶12703709**
ISCJB III 19 19 08 46.4–.33 47.90N–.04 67.50E–.05 10 3.8b,3.9b
NNC III 19 19 08 46.4–.88 47.89N 67.55E 0 4.3b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=11.9km s-min=8.4km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.9km az=40.7.
NNC Error ellipse: s-maj=10.0km s-min=8.6km az=176.0.
ISC III 21 07 33 55.1–3.2 50.65N–.07 73.54E–.05 1–22 3.6b 27 3-68
NNC III 21 07 33 53.4–.49 50.38N 73.51E 0 3.5b,3.2 **¶12635161**
IDC III 21 07 33 56.5–.66 50.95N 73.69E 0 3.4,3.3b
ISC Event type ke.
NNC Error ellipse: s-maj=7.2km s-min=3.0km az=33.0.
IDC Error ellipse: s-maj=13.9km s-min=8.0km az=26.0.
ISC III 24 04 04 22.1–1.4 43.45N–.04 73.73E–.03 12–11 33 1-13
ISCJB III 24 04 04 19.2–.97 43.57N–.03 73.60E–.05 2–7 **¶13437147**
NNC III 24 04 04 20.8–.99 43.57N 73.72E 0 3.5b,3.1
KNET III 24 04 04 23.7–.45 43.39N 73.81E 16–2 3.0L,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.1km az=143.4.
NNC Error ellipse: s-maj=13.2km s-min=6.6km az=19.0.
KNET Error ellipse: s-maj=3.6km s-min=1.8km az=169.0.
ISC III 24 13 21 31.9–1.2 51.1N–.10 73.92E–.08 10 17 2-60
NNC III 24 13 21 26.9–4.1 50.37N 73.23E 0 3.2b,2.9 **¶12635471**
IDC III 24 13 21 29.8–1.4 50.99N 73.82E 0 3.8,3.6s
ISC Event type ke.
NNC Error ellipse: s-maj=53.0km s-min=12.9km az=29.0.
IDC Error ellipse: s-maj=32.9km s-min=10.3km az=29.0.
ISC III 25 13 44 25.6–.92 50.66N–.06 73.67E–.06 10 3.5b 14 3-69
ISCJB III 25 13 44 21.6–.49 50.59N–.04 73.72E–.07 10 3.7s,3.4b **¶12635560**
NNC III 25 13 44 22.5–.43 50.47N 73.35E 0 3.5b,3.2
IDC III 25 13 44 23.2–.68 50.82N 73.61E 0 3.7,3.7s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=149.6.
NNC Error ellipse: s-maj=6.6km s-min=3.3km az=44.0.
IDC Error ellipse: s-maj=13.7km s-min=8.3km az=56.0.
NNC III 30 07 31 03.7–4.4 49.35N 67.72E 0 3.2b,2.8
¶13437635
NNC Error ellipse: s-maj=70.1km s-min=21.8km az=134.0.
ISC IV 10 11 28 06.4–.72 50.30N–.05 73.20E–.05 10 22 3-67
IDC IV 10 11 28 06.2–.78 50.29N 73.23E 0 3.3,3.2 **¶12934968**
NNC IV 10 11 28 07.2–.30 49.99N 73.05E 0 3.2b,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=7.2km az=56.0.
NNC Error ellipse: s-maj=4.0km s-min=2.3km az=54.0.
ISC IV 15 11 47 08.3–.68 50.75N–.05 73.54E–.04 10 3.5b 27 3-70
ISCJB IV 15 11 47 07.0–.42 50.54N–.04 73.48E–.05 10 3.8s,3.5b **¶12935301**
NNC IV 15 11 47 07.3–.29 50.54N 73.46E 0 3.6b,3.3
IDC IV 15 11 47 08.7–.61 50.85N 73.66E 0 3.7,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=35.1.
NNC Error ellipse: s-maj=3.7km s-min=2.4km az=52.0.
IDC Error ellipse: s-maj=11.8km s-min=7.1km az=32.0.
NNC IV 27 10 47 30.5–4.0 50.28N 73.03E 0 2.8b,2.5
¶13546223
NNC Error ellipse: s-maj=50.6km s-min=10.7km az=25.0.
ISC IV 29 07 50 56.2–.70 50.83N–.06 73.68E–.04 10 31 3-67
NNC IV 29 07 50 54.5–.52 50.71N 73.61E 0 3.2b,2.9 **¶12936442**
ISCJB IV 29 07 50 55.1–.41 50.70N–.04 73.61E–.06 10 3.4b,2.9
IDC IV 29 07 50 56.2–.63 50.82N 73.65E 0 3.5,3.3
ISC Event type ke.
NNC Error ellipse: s-maj=9.1km s-min=4.1km az=35.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.9km az=44.5.
IDC Error ellipse: s-maj=11.3km s-min=6.7km az=42.0.
ISC IV 29 12 11 02.0–.82 50.78N–.08 73.62E–.05 10 22 3-67
ISCJB IV 29 12 11 00.6–.47 50.70N–.05 73.64E–.06 10 3.4b **¶12936423**
NNC IV 29 12 11 00.4–.91 50.61N 73.55E 0 3.1b,2.8
IDC IV 29 12 11 02.6–.86 50.95N 73.70E 0 3.4,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.5km az=35.1.
NNC Error ellipse: s-maj=13.9km s-min=6.5km az=34.0.
IDC Error ellipse: s-maj=20.6km s-min=7.6km az=27.0.
ISC V 15 12 38 08.1–1.8 50.8N–.20 73.8E–.10 10 10 3-61
ISCJB V 15 12 38 05.8–.84 50.81N–.09 73.89E–.08 10 3.4b **¶13584187**
NNC V 15 12 38 05.5–3.1 50.75N 73.78E 0 3.2b,2.9
IDC V 15 12 38 06.3–.96 50.96N 73.76E 0 3.2,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=5.2km az=25.6.
NNC Error ellipse: s-maj=49.7km s-min=15.2km az=28.0.
IDC Error ellipse: s-maj=22.4km s-min=8.4km az=22.0.
ISC V 16 00 28 49.0–1.6 42.75N–.08 70.46E–.07 25–9 47 0-11
NNC V 16 00 28 47.2–.34 42.73N 70.51E 17–2 3.7,3.7b **¶13584220**
ISCJB V 16 00 28 48.9–.74 42.89N–.05 70.44E–.06 45–3 3.7,3.7b
ISC Event type ke.
ISCJB Event type ke.
NNC V 20 12 08 27.9–.83 48.98N 69.01E 0 2.9b,2.5
¶13598358
NNC Error ellipse: s-maj=21.5km s-min=4.2km az=87.0.
ISC V 21 12 52 02.5–.83 50.85N–.08 73.69E–.05 10 19 3-60
ISCJB V 21 12 52 00.2–.71 50.72N–.08 73.80E–.07 10 3.4b **¶13598427**
IDC V 21 12 52 01.6–1.3 50.82N 73.66E 0 3.3b,3.1
NNC V 21 12 52 02.5–.63 50.88N 73.71E 0 3.0b,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=4.6km az=24.6.
IDC Error ellipse: s-maj=28.8km s-min=8.5km az=36.0.
NNC Error ellipse: s-maj=10.0km s-min=4.9km az=33.0.
NNC VI 09 10 08 59.1–.44 43.76N 69.67E 0 3.6b,2.2
¶13680976
NNC Error ellipse: s-maj=8.6km s-min=2.2km az=50.0.
ISC VI 11 06 05 51.7–.67 47.86N–.06 67.57E–.05 10 3.3b 26 5-90
ISCJB VI 11 06 05 48.4–.55 47.82N–.05 67.57E–.06 10 3.4b **¶13681150**
NNC VI 11 06 05 49.6–.58 47.91N 67.40E 0 3.8b,3.4
IDC VI 11 06 05 50.4–.73 47.84N 67.61E 0 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=34.0.
NNC Error ellipse: s-maj=6.3km s-min=6.0km az=75.0.
IDC Error ellipse: s-maj=10.8km s-min=7.3km az=17.0.
ISC VI 12 10 22 23.5–.75 50.95N–.07 73.60E–.05 10 25 2-60
IDC VI 12 10 22 23.8–.85 50.90N 73.63E 0 3.6b,3.4 **¶13681213**
NNC VI 12 10 22 23.1–1.6 50.53N 73.57E 0 3.5b,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=7.6km az=25.0.
NNC Error ellipse: s-maj=25.9km s-min=8.5km az=34.0.
ISC VI 18 10 20 03.4–.77 50.85N–.06 73.63E–.06 10 22 2-61
ISCJB VI 18 10 20 02.8–.45 50.66N–.05 73.59E–.06 10 3.6b **¶13681591**
IDC VI 18 10 20 03.1–.93 50.95N 73.57E 0 3.4,3.4b
NNC VI 18 10 20 03.5–.68 50.78N 73.69E 0 3.6b,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.3km az=36.5.
IDC Error ellipse: s-maj=20.7km s-min=7.3km az=30.0.
NNC Error ellipse: s-maj=12.0km s-min=4.6km az=35.0.
NNC VI 28 14 55 40.6–2.8 42.45N 68.94E 0 3.6b,3.3
¶13841661
NNC Error ellipse: s-maj=26.7km s-min=13.0km az=177.0.
NNC VI 29 13 15 24.0–1.3 50.64N 73.40E 0 3.5b,3.2
¶13841738
NNC Error ellipse: s-maj=20.0km s-min=5.2km az=29.0.
ISC VI 29 21 22 03.0–.37 43.30N–.04 66.34E–.03 19–1 4.7b,3.7s 506 3-148
ISCJB VI 29 21 21 59.8–.88 43.35N–.03 66.39E–.02 6–5 4.6b,3.8s **¶13307349**
IDC VI 29 21 22 00.0–.44 43.12N 66.32E 0 4.6,4.5L
NEIC VI 29 21 22 00.5–2.0 43.26N 66.34E 1–13 4.8b,4.5L
BJI VI 29 21 22 01.7 43.51N 66.47E 10 4.7b,4.7b
MOS VI 29 21 22 03.9–.92 43.40N 66.40E 33 4.8b,4.7b
NNC VI 29 21 22 06.4–.86 43.50N 66.49E 34–10 5.1b,4.6
SZGRF VI 29 21 22 19.6 43.22N 63.78E 20 4.7b,4.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.3km az=13.8.
IDC Error ellipse: s-maj=9.7km s-min=6.5km az=176.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.7km az=191.0. Felt at Dzhusaly and Shieli. Felt [II] at Tashkent, Uzbekistan.
MOS Error ellipse: s-maj=6.4km s-min=3.8km az=36.2.
NNC Error ellipse: s-maj=7.0km s-min=2.6km az=35.0.
SZGRF Western Kazakhstan.

(714) Southeastern Uzbekistan.

NNC II 20 21 02 57.9–3.4 39.13N 67.37E 0 3.6b,3.0

¶12855302
NNC Error ellipse: s-maj=27.7km s-min=19.5km az=2.0.
IDC II 20 23 48 53.4–3.5 38.95N 67.79E 0 4.2,4.2s
¶15956845
IDC Error ellipse: s-maj=168.4km s-min=15.4km az=150.0.
ISC III 13 18 16 55.7–1.0 38.37N–.07 67.57E–.09 10 3.5b 28 5-79
NNC III 13 18 16 50.3–1.9 38.26N 67.51E 0 3.9b,3.4 ¶12703190
IDC III 13 18 16 50.6–2.6 37.83N 67.74E 0 3.7,3.6b
ISCJB III 13 18 16 53.6–.59 38.48N–.04 67.61E–.08 10 3.4b,3.6b
ISC Event type ke.
ISCJB Event type ke.
NNC III 15 05 06 33.9–6.2 39.55N 67.10E 0 3.5b,3.4
¶13436325
NNC Error ellipse: s-maj=55.9km s-min=32.1km az=166.0.
ISC V 10 17 34 07.6–.24 38.23N–.03 67.68E–.02 21–3 5.3b,4.5s 1121 4-148
BGS V 10 17 33 35.4–1.4 35.37N 71.68E 20 5.3b,4.5s ¶13439482
NNC V 10 17 34 06.4–3.4 38.29N 67.35E 18–16 5.5b,5.3
ISCJB V 10 17 34 06.1–.10 38.19N–.02 67.70E–.01 22 5.2b,4.5s
IDC V 10 17 34 06.9–.51 38.09N 67.72E 18–3 5.1L,4.9
NEIC V 10 17 34 07.6–.14 38.23N 67.69E 19 5.4b,4.9
SZGRF V 10 17 34 07.2 38.00N 67.82E 26 5.2b,4.5s
TEH V 10 17 34 08.0 38.23N 67.63E 22 5.3L,4.5s
MOS V 10 17 34 08.3–.84 38.26N 67.72E 37 5.5b,4.6s
DJA V 10 17 34 09.8–1.6 38N–13 67E–5.0 41–19 6.4,5.9
BJI V 10 17 34 10.3 38.32N 68.14E 21 5.0b,4.9b
GCMT V 10 17 34 11.0–.20 38.43N 67.72E 24–0 5.0W,4.9b
ISC Event type fe.
BGS Error ellipse: s-maj=302.7km s-min=371.1km az=-1.0.
NNC Error ellipse: s-maj=25.1km s-min=17.6km az=3.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=179.0.
IDC Error ellipse: s-maj=9.2km s-min=7.0km az=169.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.5km az=182.0. Felt [III] at Dushanbe, Tajikistan. Also felt at Mazar-e Sharif, Afghanistan.
SZGRF Southeastern Uzbekistan.
MOS Error ellipse: s-maj=4.3km s-min=3.2km az=129.4.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s43,c51; s69,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}3.56±.14 $M_{\theta\theta}$-0.66±.10; $M_{\phi\phi}$-2.90±.09; $M_{r\theta}$0.39±.16; $M_{\theta\phi}$-0.79±.07; $M_{\phi r}$1.42±.12; Best double couple: NP1:ϕ_s198.00000°,δ33.00000°,λ91.00000°. NP2:ϕ_s17.00000°,δ57.00000°,λ89.00000°. Principal axes: T 3.8700,Plg78.0000° ,Azm284.0000°; N -0.4100,Plg1.0000°,Azm17.0000°; P -3.4600,Plg12.0000°,Azm107.0000° M_o3.70000×10^{16}
NNC V 29 23 11 02.7–1.9 38.77N 67.09E 0 3.5b,2.9
¶13653764
NNC Error ellipse: s-maj=15.4km s-min=8.9km az=178.0.
ISC VI 15 01 40 49.5–1.4 38.86N–.09 65.71E–.09 35 20 6-62
IDC VI 15 01 40 42.3–3.6 37.88N 65.99E 0 3.4,3.4 ¶13681389
NNC VI 15 01 40 44.1–2.6 38.82N 65.62E 0 3.8b,3.6
ISCJB VI 15 01 40 46.2–1.1 38.87N–.07 65.74E–.08 33 3.5b,3.6
ISC Event type ke.
ISCJB Event type ke.

(715) Tajikistan.

ISC I 13 06 12 38.8–.62 37.52N–.04 72.48E–.08 176 3.8b 58 3-82
IDC I 13 06 12 35.9–5.1 37.32N 72.28E 163–44 3.7,3.6b ¶11712740
ISCJB I 13 06 12 39.0–.43 37.52N–.03 72.37E–.08 176 3.7b,3.6b
BJI I 13 06 12 41.0 37.90N 72.60E 10 3.7L,3.6b
NNC I 13 06 12 47.7–2.8 38.14N 72.44E 207–27 4.5,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=25.9km az=177.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=3.5km az=168.6.
NNC Error ellipse: s-maj=28.6km s-min=13.3km az=9.0.
NNC I 14 15 19 10.3–5.8 38.65N 72.14E 0 3.5b,3.4
¶12698871
NNC Error ellipse: s-maj=47.9km s-min=38.0km az=7.0.
ISC I 16 09 55 03.6–2.3 38.3N–.20 69.9E–.10 12 23 5-80
NNC I 16 09 55 02.4–2.1 38.16N 69.77E 0 3.6b,3.2 ¶11712780
IDC I 16 09 55 06.8–17 38.18N 70.37E 64–94 3.5,3.4L
ISC Event type ke.
NNC Error ellipse: s-maj=23.1km s-min=15.8km az=90.0.
IDC Error ellipse: s-maj=173.1km s-min=60.4km az=7.0.
ISC I 16 23 17 35.6–.98 37.96N–.06 73.2E–.10 127 3.8b 41 4-80
IDC I 16 23 17 30.6–5.8 37.79N 73.10E 86–46 3.5b,3.5 ¶11677585
ISCJB I 16 23 17 34.0–.51 37.86N–.04 72.91E–.10 127 3.8b,3.5
NNC I 16 23 17 49.9–2.5 39.14N 72.76E 177–40 3.6,2.4b
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=24.4km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=4.4km az=154.8.
NNC Error ellipse: s-maj=29.8km s-min=11.7km az=10.0.
ISC I 18 01 55 58.2–6.2 37.6N–.40 72.4E–.10 119 14 3-6
¶16193575
ISC Event type ke.
ISC I 20 21 37 40.2–2.7 39.2N–.20 70.35E–.09 13 20 4-14
NNC I 20 21 37 38.2–2.0 39.23N 70.23E 0 3.5b,3.3 ¶11682463
ISC Event type ke.
NNC Error ellipse: s-maj=15.9km s-min=12.0km az=10.0.
ISC I 20 23 13 12.0–2.7 39.2N–.20 70.34E–.09 13 24 4-14
NNC I 20 23 13 09.1–1.1 39.14N 70.25E 0 3.6b,3.4 ¶11682464
ISC Event type ke.
NNC Error ellipse: s-maj=8.0km s-min=6.5km az=15.0.
ISC I 24 00 44 05.0–1.2 37.1N–.10 72.3E–.10 152 3.5b 29 4-81
ISCJB I 24 00 44 03.3–1.0 37.0N–.10 72.1E–.10 152 3.4b ¶11682495
IDC I 24 00 44 10.3–6.2 37.33N 72.26E 195–55 3.3,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=12.3km az=34.8.
IDC Error ellipse: s-maj=31.1km s-min=25.7km az=174.0.
ISC I 25 21 16 21.7–.61 38.44N–.03 72.12E–.03 30–4 4.6b,4.1s 333 3-151
IDC I 25 21 16 16.7–.58 38.37N 72.17E 0 4.4,4.4 ¶13434005
NNC I 25 21 16 18.9–3.5 38.53N 71.95E 0 5.1b,5.1
NEIC I 25 21 16 19.0–.27 38.18N 72.24E 20 4.8b,5.1
ISCJB I 25 21 16 18.5–1.0 38.46N–.03 72.20E–.03 16–7 4.5b,4.1s
MOS I 25 21 16 21.4–1.5 38.53N 72.19E 37 4.9b,4.0s
SZGRF I 25 21 16 22.4 38.09N 72.05E 33 4.6b,4.0s
BJI I 25 21 16 27.9 38.75N 72.80E 52 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=12.4km az=173.0.
NNC Error ellipse: s-maj=30.1km s-min=18.8km az=3.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.6km az=219.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.6km az=2.3.
MOS Error ellipse: s-maj=6.7km s-min=4.5km az=106.2.
SZGRF Tajikistan.
NNC I 26 01 54 41.8–6.8 38.70N 72.42E 0 3.5b,3.3
¶12699254
NNC Error ellipse: s-maj=54.9km s-min=42.4km az=10.0.
ISC I 31 11 13 47.9–1.2 40.99N–.09 70.74E–.06 10 3.6b 30 2-87
NNC I 31 11 13 44.7–1.9 40.77N 70.49E 0 3.9b,3.5 ¶11682553
IDC I 31 11 13 47.5–1.2 41.01N 70.59E 0 3.7,3.5b
ISC Event type ke.
NNC Error ellipse: s-maj=16.1km s-min=9.0km az=16.0.
IDC Error ellipse: s-maj=18.2km s-min=12.5km az=170.0.
ISC II 01 04 01 44.3–2.7 39.1N–.20 70.21E–.09 13 27 4-14
NNC II 01 04 01 39.5–5.4 38.95N 70.12E 0 3.6b,3.4 ¶12790703
ISC Event type ke.
NNC Error ellipse: s-maj=40.5km s-min=34.9km az=10.0.
ISC II 01 20 41 52.6–.72 37.23N–.04 72.07E–.08 142 36 4-67
ISCJB II 01 20 41 52.8–.54 37.20N–.04 71.86E–.09 142 3.6b ¶12699359
IDC II 01 20 41 55.8–13 37.14N 72.44E 221–130 3.2,3.2
NNC II 01 20 42 00.3–4.3 38.07N 71.96E 0 4.4b,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.2km az=157.5.
IDC Error ellipse: s-maj=98.2km s-min=42.2km az=168.0.
NNC Error ellipse: s-maj=32.6km s-min=26.2km az=1.0.
ISC II 07 15 38 40.0–4.0 39.2N–.30 70.7E–.10 10 17 4-14
NNC II 07 15 38 34.6–12 38.67N 70.33E 0 3.4b,3.3 ¶12791015
ISC Event type ke.
NNC Error ellipse: s-maj=118.7km s-min=72.8km az=171.0.
ISC II 08 09 32 55.1–.73 37.89N–.05 72.2E–.10 113 3.7b 39 4-80
IDC II 08 09 32 52.4–5.6 37.56N 72.24E 102–39 3.4,3.4b ¶12699777
ISCJB II 08 09 32 54.0–.46 37.86N–.04 72.1E–.10 113 3.6b,3.4b
NNC II 08 09 32 59.3–6.1 38.48N 71.32E 0 3.6,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=56.0km s-min=33.2km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.9km az=6.8.
NNC Error ellipse: s-maj=59.9km s-min=45.9km az=89.0.
ISC II 09 14 11 17.5–.79 37.23N–.06 72.3E–.10 152 19 3-27
IDC II 09 14 10 48.3–12 36.01N 70.20E 0 3.5,3.5 ¶15955302
ISCJB II 09 14 11 17.4–.54 37.14N–.05 72.07E–.09 152 3.0b,3.5
NNC II 09 14 11 23.9–1.8 37.94N 71.24E 0 3.5b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=200.2km s-min=95.1km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.5km az=156.5.
NNC Error ellipse: s-maj=20.2km s-min=13.2km az=89.0.
ISC II 09 14 42 09.1–.55 37.59N–.05 72.62E–.08 176 3.7b 44 4-81
IDC II 09 14 42 07.5–3.5 37.50N 72.09E 123–29 3.7,3.6 ¶13434418
ISCJB II 09 14 42 08.6–.32 37.50N–.03 72.43E–.07 176 3.8b,3.6
NNC II 09 14 42 12.4–1.8 38.32N 70.97E 0 4.2,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=16.5km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.5km az=161.8.
NNC Error ellipse: s-maj=23.2km s-min=13.8km az=84.0.
ISC II 12 21 55 07.0–8.5 40.2N–.70 71.8E–.20 10 9 2-12
NNC II 12 21 55 01.2–4.5 40.02N 71.68E 0 3.5b,3.2 ¶12835755
ISC Event type ke.
NNC Error ellipse: s-maj=44.3km s-min=26.4km az=15.0.
ISC II 17 10 34 07.9–3.9 39.2N–.30 69.8E–.10 10 11 4-14
NNC II 17 10 34 06.2–2.1 39.27N 69.81E 0 3.6b,3.3 ¶12855190
ISC Event type ke.
NNC Error ellipse: s-maj=19.6km s-min=10.0km az=2.0.
ISC II 19 20 31 53.2–1.8 38.4N–.10 72.0E–.10 25 13 5-67
IDC II 19 20 31 47.9–3.2 38.34N 72.60E 0 3.7b,3.5 ¶12701278
NNC II 19 20 31 48.4–5.7 38.21N 71.17E 0 3.7b,3.5
ISCJB II 19 20 31 51.5–1.6 38.4N–.10 71.7E–.10 25 3.6b,3.3s
ISC Event type ke.
ISCJB Event type ke.
NNC II 20 08 23 16.4–4.6 38.20N 69.17E 0 3.6b,3.2
¶12855333
NNC Error ellipse: s-maj=46.5km s-min=31.6km az=27.0.
ISC II 21 02 09 54.2–.61 38.74N–.05 72.35E–.07 10 3.9b,3.4s 47 4-85
IDC II 21 02 09 50.5–.83 38.36N 72.24E 0 4.1,4.0 ¶13434932
ISCJB II 21 02 09 52.7–.43 38.69N–.03 72.25E–.07 10 3.9b,3.5s
NNC II 21 02 09 54.6–1.1 38.73N 72.20E 0 4.4b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=16.0km s-min=13.4km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.7km az=172.6.
NNC Error ellipse: s-maj=9.9km s-min=5.8km az=28.0.
ISC II 21 03 36 16.7–3.4 38.8N–.20 70.0E–.10 10 11 4-13
NNC II 21 03 36 21.3–3.0 39.10N 69.95E 21–21 3.9b,3.6 ¶12933727
ISC Event type ke.
NNC Error ellipse: s-maj=23.8km s-min=17.5km az=29.0.
ISC II 23 01 39 57.6–.66 37.99N–.05 72.96E–.08 127 3.5b 43 4-67
ISCJB II 23 01 39 56.1–.45 37.87N–.04 72.91E–.08 127 3.6b ¶12701583
IDC II 23 01 39 57.4–5.2 37.92N 72.92E 129–47 3.4,3.3
NNC II 23 01 40 01.6–9.0 38.55N 72.82E 0 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.6km az=162.1.
IDC Error ellipse: s-maj=48.9km s-min=40.6km az=115.0.
NNC Error ellipse: s-maj=77.0km s-min=47.6km az=168.0.
NNC II 27 14 30 15.0–3.7 38.81N 69.96E 0 3.6b,3.2
¶12933815
NNC Error ellipse: s-maj=34.6km s-min=18.9km az=174.0.
ISC II 28 13 11 14.0–1.3 38.1N–.10 69.99E–.10 35 3.3b 26 5-86
NNC II 28 13 11 06.5–4.2 37.84N 70.22E 0 4.0b,3.9 ¶12702101
IDC II 28 13 11 10.2–1.1 37.96N 70.42E 0 3.6,3.6L
ISC Event type ke.
NNC Error ellipse: s-maj=44.1km s-min=24.8km az=15.0.
IDC Error ellipse: s-maj=21.9km s-min=15.5km az=127.0.
ISC III 01 00 05 21.2–1.6 38.35N–.03 72.07E–.04 17–10 4.4b,3.6s 283 3-87
IDC III 01 00 05 19.4–.70 38.46N 72.14E 0 4.4,4.3 ¶13435218
NEIC III 01 00 05 20.0–.19 38.22N 72.13E 10 4.6b,4.3
NNC III 01 00 05 22.2–1.0 38.66N 71.76E 0 4.7b,4.6
MOS III 01 00 05 24.3–1.4 38.65N 72.02E 33 4.6b,4.6
BJI III 01 00 05 25.1 38.98N 72.05E 27 4.5s,4.4b
SZGRF III 01 00 05 38.3 39.73N 70.97E 33 4.3b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=11.0km az=163.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.1km az=217.0.
NNC Error ellipse: s-maj=8.8km s-min=5.5km az=5.0.
MOS Error ellipse: s-maj=6.6km s-min=4.1km az=95.4.
SZGRF Tajikistan.
ISC III 02 03 31 51.3–1.1 39.1N–.10 71.48E–.10 34 3.5b 22 3-83
IDC III 02 03 31 45.9–1.1 39.00N 71.64E 0 3.6,3.5 ¶12702231
ISCJB III 02 03 31 49.3–.90 39.04N–.08 71.27E–.09 34 3.4b,3.5
NNC III 02 03 31 52.8–5.8 39.42N 71.62E 9–26 3.7b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=24.8km s-min=13.4km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=9.2km az=142.7.
NNC Error ellipse: s-maj=37.5km s-min=21.4km az=165.0.
ISC III 05 14 13 06.7–.68 38.15N–.05 72.50E–.08 119 3.4b 47 4-80
ISCJB III 05 14 13 05.6–.40 38.14N–.03 72.53E–.08 119 3.6b ¶12702495
IDC III 05 14 13 06.7–4.4 38.16N 72.56E 96–34 3.6,3.5
NNC III 05 14 13 10.3–1.6 38.47N 72.27E 143–17 3.8,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.2km az=175.6.
IDC Error ellipse: s-maj=36.1km s-min=21.2km az=167.0.
NNC Error ellipse: s-maj=14.2km s-min=7.7km az=13.0.
ISC III 08 09 21 32.2–2.8 39.1N–.20 70.11E–.10 13 13 4-14
NNC III 08 09 21 28.7–1.5 38.96N 70.03E 0 3.7b,3.5 ¶13435725
ISC Event type ke.
NNC Error ellipse: s-maj=11.2km s-min=9.4km az=6.0.
ISC III 08 11 07 32.8–.51 37.80N–.05 72.52E–.07 119 3.8b 65 4-151
ISCJB III 08 11 07 30.8–.36 37.63N–.03 72.46E–.07 119 3.7b ¶12702713
IDC III 08 11 07 34.6–2.5 37.84N 72.58E 122–22 3.7,3.6
NNC III 08 11 07 39.1–1.2 38.31N 72.19E 158–13 4.3,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.0km az=163.7.
IDC Error ellipse: s-maj=17.5km s-min=12.7km az=179.0.
NNC Error ellipse: s-maj=9.8km s-min=5.0km az=177.0.
ISC III 14 02 47 13.6–1.6 39.9N–.20 68.68E–.09 10 3.8b 19 3-88
IDC III 14 02 47 11.0–.98 39.80N 68.93E 0 3.8b,3.8 ¶12703215
ISCJB III 14 02 47 11.0–.81 39.94N–.09 68.67E–.07 10 3.8b,3.5s
NNC III 14 02 47 22.1–2.8 40.58N 68.49E 19–12 3.5b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=11.5km az=160.0.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=7.7km az=176.8.
NNC Error ellipse: s-maj=19.2km s-min=14.7km az=14.0.
NNC III 22 07 24 57.9–5.4 38.47N 69.19E 0 3.6b,3.3
¶13437001
NNC Error ellipse: s-maj=52.1km s-min=28.9km az=167.0.
ISC III 23 13 33 37.2–1.3 37.70N–.10 72.1E–.10 130 12 6-17
ISCJB III 23 13 33 36.7–1.0 37.73N–.06 72.2E–.20 130 ¶13437108
NNC III 23 13 33 41.0–7.0 38.23N 72.05E 0 3.8b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=7.0km az=160.2.

NNC Error ellipse: s-maj=56.0km s-min=37.2km az=176.0.
ISC III 24 10 40 36.0–.80 38.20N–.06 72.95E–.10 127 3.0b 40 4-79
ISCJB III 24 10 40 37.1–.57 38.25N–.04 73.08E–.10 127 3.1b ¶12612752
NNC III 24 10 40 38.9–6.6 38.88N 72.81E 0 3.9b,3.6
IDC III 24 10 40 39.8–6.3 38.48N 73.09E 78–42 3.6L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=3.9km az=162.4.
NNC Error ellipse: s-maj=59.2km s-min=34.2km az=16.0.
IDC Error ellipse: s-maj=50.2km s-min=31.0km az=6.0.
ISC III 26 01 14 52.0–.68 37.96N–.06 72.69E–.08 119 3.6b 41 3-82
ISCJB III 26 01 14 50.7–.45 37.84N–.03 72.62E–.08 119 3.5b ¶12612758
IDC III 26 01 14 52.6–5.0 37.91N 72.58E 111–45 3.5,3.4
NNC III 26 01 14 58.8–3.6 38.45N 72.53E 158–31 3.8,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.0km az=165.1.
IDC Error ellipse: s-maj=38.2km s-min=23.2km az=30.0.
NNC Error ellipse: s-maj=39.9km s-min=15.0km az=25.0.
ISC III 27 01 27 09.3–.57 37.22N–.05 72.42E–.08 152 3.4b 52 3-81
ISCJB III 27 01 27 08.8–.37 37.27N–.03 72.30E–.07 152 3.4b ¶12612765
IDC III 27 01 27 08.2–3.6 37.21N 72.26E 138–30 3.4,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=3.5km az=171.1.
IDC Error ellipse: s-maj=26.4km s-min=19.2km az=176.0.
ISC III 27 15 22 46.4–1.1 37.54N–.08 72.2E–.10 130 9 6-16
ISCJB III 27 15 22 45.4–.94 37.54N–.06 72.2E–.10 130 ¶13437465
NNC III 27 15 22 48.4–12 37.69N 71.82E 102–222 3.5,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=7.3km az=163.2.
NNC Error ellipse: s-maj=104.6km s-min=71.4km az=8.0.
NNC III 28 11 55 37.9–2.5 38.82N 72.44E 0 3.7b,3.5
¶13437519
NNC Error ellipse: s-maj=20.4km s-min=14.3km az=5.0.
ISC III 31 02 33 46.8–.52 37.17N–.05 72.24E–.07 142 3.3b 59 3-82
ISCJB III 31 02 33 46.1–.33 37.19N–.03 72.06E–.06 142 3.4b ¶12612800
IDC III 31 02 33 46.7–3.6 37.19N 72.02E 129–30 3.6,3.5
NNC III 31 02 33 53.1–9.8 37.74N 71.90E 133–107 4.5,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.9km az=163.5.
IDC Error ellipse: s-maj=26.5km s-min=14.6km az=179.0.
NNC Error ellipse: s-maj=83.0km s-min=47.7km az=3.0.
ISC IV 07 01 26 27.4–3.3 39.0N–.20 71.2E–.10 33 12 4-15
NNC IV 07 01 26 28.3–4.0 39.34N 71.38E 3–20 3.4b,3.3 ¶13438086
ISC Event type ke.
NNC Error ellipse: s-maj=26.7km s-min=16.9km az=4.0.
ISC IV 09 01 57 34.8–1.4 39.7N–.10 69.14E–.10 35 16 4-78
IDC IV 09 01 57 28.3–3.3 39.38N 69.45E 0 3.7,3.6 ¶12934918
ISCJB IV 09 01 57 32.7–1.2 39.7N–.10 69.14E–.09 33 3.4b,3.6
ISC Event type ke.
ISCJB Event type ke.
ISC IV 10 11 37 33.3–2.2 38.6N–.20 69.94E–.10 27 13 5-79
IDC IV 10 11 37 31.9–4.2 38.92N 69.81E 0 3.4,3.3 ¶12934965
NNC IV 10 11 37 34.8–1.3 39.03N 69.98E 0 3.6b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=139.0km s-min=26.7km az=144.0.
NNC Error ellipse: s-maj=10.4km s-min=8.3km az=7.0.
ISC IV 12 00 11 18.2–1.6 37.6N–.10 72.5E–.10 176 3.5b 15 5-80
IDC IV 12 00 11 15.7–5.2 37.36N 72.57E 167–38 3.0,3.0 ¶12935138
ISCJB IV 12 00 11 17.7–1.4 37.62N–.10 72.4E–.10 176 3.3b,3.0
NNC IV 12 00 11 20.7–17 37.75N 72.19E 139–267 3.3,2.5b
ISC Event type ke.
IDC Error ellipse: s-maj=53.5km s-min=30.8km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=11.7km az=41.6.
NNC Error ellipse: s-maj=163.9km s-min=92.1km az=3.0.
ISC IV 17 19 14 51.2–.79 37.43N–.07 72.13E–.09 150 4.0b 43 5-92
ISCJB IV 17 19 14 49.9–.50 37.35N–.04 72.01E–.07 150 4.1b ¶12935412
IDC IV 17 19 14 52.9–3.9 37.43N 72.38E 177–33 3.5b,3.3
NNC IV 17 19 15 00.5–4.4 38.02N 72.15E 208–34 3.9,2.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.3km az=154.7.
IDC Error ellipse: s-maj=35.5km s-min=22.5km az=164.0.
NNC Error ellipse: s-maj=40.3km s-min=20.2km az=9.0.
ISC IV 22 21 32 16.9–.56 37.11N–.05 72.09E–.07 142 4.1b 53 3-82
IDC IV 22 21 32 13.6–4.3 37.06N 71.72E 79–38 5.0s,5.0 ¶13439003
ISCJB IV 22 21 32 16.4–.29 37.08N–.02 72.10E–.05 142 4.1b,5.0
NNC IV 22 21 32 22.6–3.6 37.66N 71.45E 156–38 3.9,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=23.4km s-min=19.1km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=168.6.
NNC Error ellipse: s-maj=31.4km s-min=16.1km az=17.0.
ISC IV 23 21 30 15.9–.97 37.13N–.08 72.1E–.10 142 3.3b 23 5-81
IDC IV 23 21 30 12.7–6.8 37.01N 71.78E 92–46 3.4,3.4b ¶12935998
ISCJB IV 23 21 30 15.0–.73 37.10N–.05 72.1E–.10 142 3.5b,3.4b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 25 13 31 10.3–1.4 37.3N–.10 72.1E–.10 142 3.6b 22 5-67
IDC IV 25 13 31 13.4–4.1 37.28N 72.19E 182–35 3.3,3.2 ¶12936149
ISC Event type ke.
IDC Error ellipse: s-maj=36.8km s-min=20.3km az=167.0.
ISC IV 28 03 27 00.2–3.8 37.1N–.30 72.1E–.30 100 7 6-81
IDC IV 28 03 27 16.9–7.3 38.05N 71.66E 211–58 2.8,2.8b ¶12936371
ISC Event type ke.
IDC Error ellipse: s-maj=101.0km s-min=39.6km az=143.0.
ISC IV 29 03 52 05.8–.86 37.04N–.07 72.1E–.10 142 3.4b 24 5-81
IDC IV 29 03 52 02.6–5.7 36.85N 71.75E 100–42 3.3,3.2 ¶12936450
ISCJB IV 29 03 52 05.8–.62 37.13N–.05 72.02E–.09 142 3.4b,3.2
NNC IV 29 03 52 11.6–7.8 37.68N 71.53E 164–112 3.7,2.8b
ISC Event type ke.
IDC Error ellipse: s-maj=55.3km s-min=35.0km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=6.5km az=175.6.
NNC Error ellipse: s-maj=74.5km s-min=38.3km az=17.0.
ISC IV 29 16 35 22.5–.71 39.14N–.02 71.63E–.03 17–4 4.1b,3.1s 161 3-85
IDC IV 29 16 35 19.6–.71 39.02N 71.70E 0 4.2,4.1L ¶13439185
BJI IV 29 16 35 21.9 39.19N 71.41E 31 4.7b,4.3b
NNC IV 29 16 35 23.4–2.1 39.41N 71.42E 0 4.4,4.2b
MOS IV 29 16 35 24.1–1.4 39.21N 71.57E 33 4.2b,4.2b
NEIC IV 29 16 35 27.9–.80 39.28N 71.65E 54–7 4.9b,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=13.0km s-min=10.3km az=145.0.
NNC Error ellipse: s-maj=17.5km s-min=10.7km az=22.0.
MOS Error ellipse: s-maj=8.3km s-min=5.5km az=92.4.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.6km az=158.0.
ISC V 04 12 06 35.9–1.8 37.1N–.10 72.2E–.20 142 3.4b 6 6-81
IDC V 04 12 06 41.4–5.3 37.32N 72.11E 183–36 3.3,3.1 ¶13546601
ISC Event type ke.
IDC Error ellipse: s-maj=75.0km s-min=32.3km az=133.0.
NNC V 07 17 17 08.0–8.7 37.82N 72.16E 0 3.7b,3.2
¶13550240
NNC Error ellipse: s-maj=69.1km s-min=49.1km az=174.0.
ISC V 07 18 17 14.4–.38 37.78N–.04 72.35E–.05 119 4.2b 238 3-88
MOS V 07 18 17 12.9–.89 37.77N 72.08E 108 4.4b ¶13439391
ISCJB V 07 18 17 12.6–.18 37.73N–.02 72.38E–.03 119 4.2b
IDC V 07 18 17 13.1–2.6 37.77N 72.06E 97–22 4.0,3.9
NEIC V 07 18 17 14.2–1.1 37.81N 72.13E 106–9 4.6b,3.9
BJI V 07 18 17 14.3 37.83N 72.27E 108 4.4b,3.9
NNC V 07 18 17 18.1–3.9 38.15N 71.95E 145–39 4.4,3.7b
ISC Event type se.
MOS Error ellipse: s-maj=7.2km s-min=4.6km az=102.6.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.7km az=156.1.
IDC Error ellipse: s-maj=16.7km s-min=11.9km az=179.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.9km az=191.0.
NNC Error ellipse: s-maj=34.3km s-min=17.1km az=3.0.

ISC V 09 12 30 05.6–.65 37.32N–.05 72.10E–.08 130 3.7b 49 4-80
ISCJB V 09 12 30 04.4–.45 37.23N–.03 71.93E–.07 130 3.6b ¶13439440
IDC V 09 12 30 10.0–5.2 37.60N 71.69E 137–36 3.5,3.4
NNC V 09 12 30 16.1–3.9 38.08N 71.83E 189–31 3.7,2.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=3.3km az=157.2.
IDC Error ellipse: s-maj=45.5km s-min=26.1km az=165.0.
NNC Error ellipse: s-maj=39.9km s-min=17.6km az=25.0.
ISC V 11 17 03 08.9–1.4 37.6N–.20 72.4E–.20 176 11 6-17
ISCJB V 11 17 03 09.1–1.2 37.7N–.10 72.5E–.30 176 ¶13439509
NNC V 11 17 03 23.5–1.2 38.91N 72.63E 225–7 3.0,2.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.9km s-min=8.3km az=148.3.
NNC Error ellipse: s-maj=17.0km s-min=5.4km az=6.0.
ISC V 11 19 30 35.6–2.5 39.4N–.20 71.65E–.10 10 16 3-66
IDC V 11 19 30 27.6–3.4 38.64N 72.17E 0 3.7,3.7b ¶13553208
NNC V 11 19 30 35.1–2.5 39.46N 71.68E 4–9 3.7b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=90.5km s-min=24.0km az=145.0.
NNC Error ellipse: s-maj=18.1km s-min=10.1km az=10.0.
ISC V 16 01 46 29.9–.56 37.41N–.05 72.03E–.07 130 3.5b 55 4-80
IDC V 16 01 46 27.8–4.8 37.24N 71.96E 107–32 3.3,3.3 ¶13065846
ISCJB V 16 01 46 28.9–.33 37.39N–.03 72.06E–.06 130 3.4b,3.3
NNC V 16 01 46 35.8–3.7 37.99N 71.66E 192–40 3.7,2.7b
ISC Event type ke.
IDC Error ellipse: s-maj=51.3km s-min=20.6km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.4km az=169.8.
NNC Error ellipse: s-maj=35.4km s-min=19.1km az=19.0.
ISC V 16 06 45 12.4–1.2 37.8N–.10 72.6E–.10 119 11 6-16
ISCJB V 16 06 45 12.1–.86 37.75N–.07 72.6E–.10 119 ¶13584228
NNC V 16 06 45 18.8–13 38.43N 72.53E 0 3.7b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=7.2km az=155.2.
NNC Error ellipse: s-maj=113.2km s-min=76.9km az=177.0.
ISC V 16 10 03 05.9–.75 37.68N–.05 72.52E–.09 176 3.5b 50 4-82
IDC V 16 10 02 59.1–6.3 37.47N 72.32E 64–53 4.0L,3.8 ¶13065849
ISCJB V 16 10 03 05.7–.39 37.67N–.03 72.40E–.08 176 3.5b,3.8
NNC V 16 10 03 12.3–4.5 38.18N 71.96E 172–43 4.3,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=33.4km s-min=26.4km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=3.3km az=171.5.
NNC Error ellipse: s-maj=41.6km s-min=20.0km az=8.0.
IDC V 16 12 39 30.2–6.2 37.25N 72.34E 171–41 3.2,3.0
¶16155806
IDC Error ellipse: s-maj=91.3km s-min=39.7km az=128.0.
NNC V 23 16 09 58.6–3.6 39.04N 69.40E 0 3.6b,3.2
¶13598524
NNC Error ellipse: s-maj=27.5km s-min=23.5km az=170.0.
ISC V 25 04 46 08.0–.52 37.25N–.05 72.03E–.07 142 3.8b 63 3-82
ISCJB V 25 04 46 06.4–.36 37.14N–.03 71.99E–.06 142 3.7b ¶13469843
IDC V 25 04 46 08.3–3.6 37.16N 71.87E 143–31 3.6,3.5
NNC V 25 04 46 12.5–3.9 37.60N 71.61E 134–41 4.2,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.3km az=158.0.
IDC Error ellipse: s-maj=26.5km s-min=12.4km az=10.0.
NNC Error ellipse: s-maj=32.8km s-min=19.1km az=11.0.
ISC V 27 14 40 44.6–.73 37.07N–.05 72.2E–.10 142 3.3b 36 3-81
IDC V 27 14 40 42.7–5.6 37.01N 72.02E 97–40 3.6,3.5 ¶16551623
ISCJB V 27 14 40 43.8–.43 37.08N–.03 72.20E–.08 142 3.5b,3.5
NNC V 27 14 40 43.5–4.6 37.49N 71.02E 0 3.8,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=52.0km s-min=29.6km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.3km az=166.6.
NNC Error ellipse: s-maj=46.2km s-min=31.6km az=42.0.
ISC VI 04 10 06 19.2–.48 37.20N–.05 72.11E–.06 142 3.8b 62 3-82
ISCJB VI 04 10 06 18.4–.30 37.23N–.03 71.99E–.05 142 3.8b ¶13469904
IDC VI 04 10 06 19.8–1.1 37.17N 71.89E 138–8 3.7,3.6
NNC VI 04 10 06 20.5–5.2 37.48N 71.53E 120–61 4.0,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=168.5.
IDC Error ellipse: s-maj=17.8km s-min=14.1km az=168.0.
NNC Error ellipse: s-maj=42.6km s-min=26.0km az=5.0.
ISC VI 09 00 17 17.9–.57 37.51N–.05 72.13E–.07 150 3.6b 55 4-82
ISCJB VI 09 00 17 18.3–.34 37.45N–.03 72.13E–.06 150 3.5b ¶13440000
IDC VI 09 00 17 21.0–2.9 37.42N 72.29E 185–24 3.5,3.4
NNC VI 09 00 17 28.9–2.4 38.11N 72.22E 217–17 4.0,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=2.9km az=160.0.
IDC Error ellipse: s-maj=24.5km s-min=13.8km az=173.0.
NNC Error ellipse: s-maj=22.4km s-min=11.3km az=14.0.
ISC VI 13 23 05 44.5–.59 37.26N–.05 72.25E–.08 200 3.7b 40 3-82
ISCJB VI 13 23 05 43.6–.35 37.28N–.03 72.07E–.07 200 3.5b ¶13440070
IDC VI 13 23 05 44.2–3.5 37.15N 72.26E 206–30 3.4,3.4
NNC VI 13 23 05 53.3–4.9 37.92N 71.77E 214–38 3.7,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.4km az=158.0.
IDC Error ellipse: s-maj=26.1km s-min=13.5km az=10.0.
NNC Error ellipse: s-maj=44.1km s-min=23.3km az=10.0.
NNC VI 16 13 20 55.9–3.3 38.81N 70.00E 0 3.8b,3.4
¶13840709
NNC Error ellipse: s-maj=25.3km s-min=24.0km az=158.0.
ISC VI 16 20 43 53.3–.47 39.91N–.05 71.03E–.05 10 3.9b 97 3-86
ISCJB VI 16 20 43 51.5–.29 39.84N–.03 71.00E–.04 10 4.7s,3.9b ¶13197187
IDC VI 16 20 43 51.5–.79 39.87N 71.21E 0 4.0,3.9
NNC VI 16 20 43 54.2–4.6 40.06N 71.31E 0 4.4b,4.3
BJI VI 16 20 43 54.8 39.31N 70.76E 31 3.9L,3.7b
MOS VI 16 20 43 55.0–1.1 39.96N 71.00E 29 4.1b,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=152.1.
IDC Error ellipse: s-maj=14.3km s-min=9.9km az=157.0.
NNC Error ellipse: s-maj=43.4km s-min=22.6km az=6.0.
MOS Error ellipse: s-maj=8.9km s-min=5.6km az=67.6.
ISC VI 17 09 22 18.1–.35 38.07N–.04 69.69E–.04 21–4 4.2b,3.9s 189 4-86
IDC VI 17 09 22 13.6–.80 37.83N 69.85E 0 4.4L,4.2 ¶13197308
ISCJB VI 17 09 22 14.9–1.2 38.00N–.03 69.76E–.04 15–9 4.2b,3.8s
BJI VI 17 09 22 16.5 38.29N 69.81E 17 4.8b,4.6b
NNC VI 17 09 22 16.6–5.0 38.08N 69.82E 0 4.6b,4.5
MOS VI 17 09 22 18.2–1.1 38.15N 69.70E 33 4.5b,4.5
NEIC VI 17 09 22 18.4–.44 38.14N 69.75E 19 4.4b,4.5
ISC Event type fe.
IDC Error ellipse: s-maj=17.1km s-min=11.3km az=164.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.5km az=143.6.
NNC Error ellipse: s-maj=51.3km s-min=35.3km az=178.0.
MOS Error ellipse: s-maj=8.1km s-min=4.4km az=74.9.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=6.2km az=155.0. Felt at Kabul, Afghanistan.
NNC VI 18 05 08 50.5–3.0 37.88N 72.24E 246–42 3.7,2.4b
¶13840843
NNC Error ellipse: s-maj=47.6km s-min=15.9km az=29.0.
ISC VI 21 07 55 13.4–1.5 39.1N–.10 71.33E–.07 10 35 4-79
IDC VI 21 07 55 09.2–1.6 38.83N 71.82E 0 3.7,3.6 ¶13681767
ISCJB VI 21 07 55 11.0–1.1 39.09N–.08 71.16E–.06 10 3.5b,3.6
NNC VI 21 07 55 14.6–1.6 39.31N 71.44E 0 3.9b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=15.5km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=7.1km az=9.3.
NNC Error ellipse: s-maj=12.0km s-min=7.2km az=10.0.
ISC VI 21 10 18 47.2–.74 39.45N–.07 70.81E–.07 35 3.8b 37 3-86
IDC VI 21 10 18 40.2–.90 39.18N 70.99E 0 3.9,3.7L ¶13383528
ISCJB VI 21 10 18 46.6–.82 39.63N–.08 70.65E–.05 33 3.7b,3.7L
NNC VI 21 10 18 46.5–2.1 39.75N 70.85E 0 4.0b,3.7
ISC Event type ke.

IDC Error ellipse: s-maj=17.4km s-min=13.1km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.7km az=177.9.
NNC Error ellipse: s-maj=19.7km s-min=12.3km az=14.0.
ISC VI 24 07 32 53.3–.45 37.60N–.04 72.38E–.05 176 4.1b 116 3-84
IDC VI 24 07 32 50.4–2.2 37.28N 72.34E 157–19 3.9,3.7 ¶13584548
ISCJB VI 24 07 32 52.5–.22 37.49N–.02 72.33E–.04 176 4.0b,3.7
BJI VI 24 07 32 54.2 37.72N 72.29E 192 4.7b,4.5b
MOS VI 24 07 32 54.2–.82 37.53N 72.38E 200 4.1b,4.5b
NNC VI 24 07 33 02.1–3.4 38.18N 72.30E 203–26 3.9,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=15.3km s-min=10.4km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.6km az=158.3.
MOS Error ellipse: s-maj=11.9km s-min=6.6km az=90.7.
NNC Error ellipse: s-maj=30.7km s-min=18.4km az=18.0.
NNC VI 25 13 00 40.7–2.7 39.21N 69.39E 0 3.8b,3.3
¶13841420
NNC Error ellipse: s-maj=25.4km s-min=13.0km az=179.0.

(716) Kyrgyzstan.

ISC I 07 00 28 54.0–1.2 40.81N–.08 72.05E–.05 22–8 3.9b 71 2-77
IDC I 07 00 28 47.2–1.6 40.25N 72.51E 0 3.8b,3.7 ¶12080577
MOS I 07 00 28 53.5–1.9 40.64N 72.24E 33 4.2b,3.7
NEIC I 07 00 28 57.9–1.9 40.81N 72.32E 66–16 3.8b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=32.4km s-min=14.4km az=144.0.
MOS Error ellipse: s-maj=13.2km s-min=8.3km az=87.8.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=10.5km az=174.0.
ISC I 22 12 55 14.9–.88 42.60N–.03 74.50E–.02 11–6 35 0-11
KNET I 22 12 55 13.0–.26 42.59N 74.47E 19–2 2.6L ¶11682480
NNC I 22 12 55 16.4–1.4 42.62N 74.66E 0–5 3.6b,3.2
ISC Event type ke.
KNET Error ellipse: s-maj=2.6km s-min=1.8km az=132.0.
NNC Error ellipse: s-maj=25.6km s-min=5.7km az=170.0.
ISC I 28 19 42 25.6–.82 41.26N–.08 71.35E–.05 15 3.5b 47 2-76
IDC I 28 19 42 21.8–1.6 40.93N 71.37E 0 3.7,3.6b ¶11682533
ISCJB I 28 19 42 24.9–.77 41.34N–.07 71.11E–.06 15 3.3b,3.6b
BJI I 28 19 42 24.8 41.09N 71.61E 10 3.4L,3.6b
NNC I 28 19 42 25.6–2.0 41.17N 71.39E 26–9 4.0,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=29.9km s-min=15.4km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.1km az=18.9.
NNC Error ellipse: s-maj=17.3km s-min=5.4km az=19.0.
NNC I 31 00 21 14.9–8.7 39.06N 72.25E 11–39 3.6b,3.4
¶12790647
NNC Error ellipse: s-maj=66.8km s-min=51.5km az=16.0.
NNC I 31 00 38 22.2–5.7 40.04N 72.06E 0 3.5b,3.2
¶12790648
NNC Error ellipse: s-maj=56.3km s-min=27.0km az=25.0.
ISC II 01 11 25 39.5–.58 42.77N–.03 73.90E–.02 14–3 4.0b,3.0s 169 0-86
ISCJB II 01 11 25 36.2–.55 42.86N–.02 73.75E–.03 12–3 4.0b,3.1s ¶12699327
NNC II 01 11 25 37.0–.23 42.96N 73.84E 0 4.7b,4.5
KNET II 01 11 25 37.9–.52 42.73N 73.90E 14–3 4.2L,4.5
IDC II 01 11 25 37.9–.57 42.83N 73.92E 0 4.5L,4.2
MOS II 01 11 25 38.8–1.9 42.89N 73.85E 24 4.1b,4.2
NEIC II 01 11 25 38.5–.39 42.77N 73.92E 10 4.5b,4.2
BJI II 01 11 25 41.1 42.81N 74.28E 15 4.6b,4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=36.9.
NNC Error ellipse: s-maj=3.3km s-min=1.2km az=8.0.
KNET Error ellipse: s-maj=4.2km s-min=2.3km az=134.0.
IDC Error ellipse: s-maj=9.6km s-min=5.5km az=32.0.
MOS Event type fe. Error ellipse: s-maj=7.5km s-min=5.6km az=98.8. Felt (III-IV) at Merke. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=6.1km az=223.0. Felt at Bishkek.
ISC II 01 11 36 42.3–1.1 42.84N–.05 73.74E–.04 10 23 0-2
NNC II 01 11 36 42.2–2.1 42.58N 73.87E 0 2.8b,2.8 ¶16408934
KNET II 01 11 36 43.6 42.77N 73.80E 18 2.5L,2.8
ISC Event type ke.
NNC Error ellipse: s-maj=38.2km s-min=10.8km az=174.0.
ISC II 01 13 13 03.8–1.3 42.79N–.06 73.78E–.05 18–8 19 0-2
NNC II 01 13 13 04.0–.99 42.83N 73.89E 0 1.9b,1.9 ¶16408935
KNET II 01 13 13 04.1 42.77N 73.80E 18 1.4L,1.9
ISC Event type ke.
NNC Error ellipse: s-maj=57.3km s-min=3.3km az=179.0.
ISC II 02 18 02 03.7–2.7 40.8N–.20 73.40E–.07 7 30 1-13
NNC II 02 18 02 04.0–1.1 40.91N 73.31E 0 3.6b,3.3 ¶12790773
ISC Event type ke.
NNC Error ellipse: s-maj=11.4km s-min=4.7km az=178.0.
ISC II 18 01 39 11.6–2.8 39.3N–.20 72.9E–.10 33 3.7b 13 3-67
IDC II 18 01 39 14.1–2.5 40.15N 72.52E 0 3.7b,3.5 ¶12701083
ISC Event type ke.
IDC Error ellipse: s-maj=53.9km s-min=15.8km az=143.0.
ISC II 22 12 15 20.5–2.3 41.7N–.10 74.85E–.05 8–13 16 0-4
KNET II 22 12 15 20.0–.79 41.72N 74.79E 0 2.2L ¶12855442
NNC II 22 12 15 21.2–2.5 41.79N 74.74E 0 2.6b,2.5
ISC Event type ke.
KNET Error ellipse: s-maj=5.7km s-min=1.7km az=169.0.
NNC Error ellipse: s-maj=23.0km s-min=12.0km az=148.0.
ISC III 08 19 27 45.1–1.1 42.23N–.06 73.76E–.03 10–12 21 0-3
KNET III 08 19 27 45.5–.29 42.23N 73.83E 0 2.2L ¶13435766
NNC III 08 19 27 47.1–1.6 42.42N 73.73E 0 3.3b,3.1
ISC Event type ke.
KNET Error ellipse: s-maj=2.8km s-min=1.9km az=127.0.
NNC Error ellipse: s-maj=30.8km s-min=6.5km az=174.0.
ISC III 24 18 38 08.7–2.6 41.1N–.10 73.38E–.06 0–14 25 1-77
IDC III 24 18 38 10.6–2.2 41.17N 73.54E 0 3.2b,3.2 ¶12635486
KNET III 24 18 38 10.5–.46 41.23N 73.46E 0 3.0L,3.2
NNC III 24 18 38 12.5–6.0 41.12N 72.96E 0 3.9b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=19.0km az=127.0.
KNET Error ellipse: s-maj=3.8km s-min=3.1km az=94.0.
NNC Error ellipse: s-maj=61.3km s-min=18.9km az=2.0.
ISC IV 18 22 18 15.4–1.5 40.1N–.10 72.99E–.08 33 4.6s,3.4b 18 2-78
IDC IV 18 22 18 09.6–1.7 39.70N 73.06E 0 4.2,4.2s ¶12611706
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=14.3km az=135.0.
ISC IV 26 23 52 51.7–.96 40.9N–.10 72.93E–.06 11 3.7b 30 1-77
IDC IV 26 23 52 52.8–1.2 40.95N 72.90E 24–5 3.6,3.6L ¶12936198
ISC Event type ke.
IDC Error ellipse: s-maj=23.8km s-min=9.6km az=150.0.
ISC IV 26 23 54 12.4–.21 40.89N–.02 72.90E–.02 26–1 5.2b,4.6s 1026 2-152
SZGRF IV 26 23 54 03.3 40.15N 74.52E 29 5.1b,5.0s ¶12749985
PDG IV 26 23 54 08.8 41.00N 72.90E 27 5.2b,5.0s
LDG IV 26 23 54 09.3–.14 40.66N 72.92E 33 5.2b,4.3s
ISCJB IV 26 23 54 10.8–.09 40.90N–.01 72.94E–.02 27 5.1b,4.6s
BJI IV 26 23 54 11.3 41.07N 73.08E 20 5.2L,5.1b
MOS IV 26 23 54 11.6–1.0 40.99N 72.87E 33 5.4b,4.7s
NEIC IV 26 23 54 12.6–.16 40.93N 72.90E 28 5.3b,4.7s
IDC IV 26 23 54 12.5–.34 40.94N 72.97E 27–2 4.9L,4.7
TEH IV 26 23 54 13.0 41.02N 72.98E 28 5.3L,4.7
NNC IV 26 23 54 14.5–2.7 41.28N 72.94E 17–14 5.5b,5.5
GCMT IV 26 23 54 15.8–.30 41.06N 72.62E 36–1 4.9W,5.5
DJA IV 26 23 54 16.3–1.7 41N–4.0 73E–4.0 28–14 5.9,5.9b
ISC Event type fe.
SZGRF Kyrgyzstan-Xinjiang border region.
PDG Event type ke.
LDG Event type ke.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Jalal-Abad. Also felt at Bazar-Kurgan, Karakol and Khaydarkan. Felt [III] at Tashkent, Uzbekistan. Also felt at Andijon and Angren.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c47; s55,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}1.95±.14 $M_{\theta\theta}$-0.01±.10; $M_{\phi\phi}$-1.94±.10; $M_{r\theta}$-1.32±.11; $M_{\theta\phi}$-1.53±.07; $M_{\phi r}$-1.40±.10; Best double couple: NP1:ϕ_s11.00000°,δ28.00000°,λ63.00000°. NP2:ϕ_s221.00000°,δ65.00000°,λ103.00000°. Principal axes: T 2.7100,Plg67.0000° ,Azm156.0000°; N 0.7300,Plg12.0000°,Azm35.0000°; P -3.4300,Plg19.0000°,Azm301.0000° M_o3.10000×10^{16}
ISC IV 27 20 04 13.8–.27 42.92N–.03 72.41E–.02 12–1 5.2b,4.5s 832 1-152
SZGRF IV 27 20 04 08.8 41.69N 72.43E 33 5.2b,4.4s ¶12704957
LDG IV 27 20 04 10.2–.12 42.78N 72.45E 10 5.2b,4.2s
BJI IV 27 20 04 10.8 43.06N 72.42E 6 5.2L,5.1b
ISCJB IV 27 20 04 11.3–.66 42.88N–.02 72.47E–.02 6–4 5.1b,4.5s
KNET IV 27 20 04 13.4–.74 42.89N 72.47E 19–11 5.3L,4.5s
IDC IV 27 20 04 13.6–1.5 42.90N 72.52E 13–10 5.3L,4.9
NNC IV 27 20 04 13.9–.65 43.14N 72.32E 4–5 5.3b,5.0
MOS IV 27 20 04 14.8–.94 42.89N 72.37E 29 5.4b,4.3s
NEIC IV 27 20 04 14.6–1.2 42.84N 72.44E 18–7 5.3b,4.7W
GCMT IV 27 20 04 15.7–.30 42.90N 72.35E 20–1 5.0W,4.7W
DJA IV 27 20 04 19.4–1.8 43N–9.0 73E–5.0 38–15 5.7,5.3b
ISC Event type fe.
SZGRF Kyrgyzstan.
LDG Event type ke.
ISCJB Event type fe.
MOS Event type fe. Felt (IV) at Lugovoy,(III) at Talas. Moment Tensor Solution.
NEIC Event type fe. Felt at Shu and Taraz. Also felt at Talas, Kyrgyzstan and at Tashkent, Uzbekistan. Moment Tensor Solution. M_o1.60000×10^{16}
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s26,c30; s78,c133; Moment tensor: Scale 10^{16}Nm; M_{rr}3.90±.26 $M_{\theta\theta}$-4.41±.18; $M_{\phi\phi}$0.50±.13; $M_{r\theta}$0.52±.25; $M_{\theta\phi}$-1.02±.09; $M_{\phi r}$-1.30±.28; Best double couple: NP1:ϕ_s239.00000°,δ47.00000°,λ62.00000°. NP2:ϕ_s98.00000°,δ50.00000°,λ117.00000°. Principal axes: T 4.4200,Plg70.0000° ,Azm74.0000°; N 0.2000,Plg20.0000°,Azm260.0000°; P -4.6200,Plg2.0000°,Azm169.0000° M_o4.50000×10^{16}
ISC IV 28 03 37 46.4–1.8 40.4N–.20 73.0E–.20 39 12 2-77
IDC IV 28 03 37 42.6–2.5 40.86N 72.57E 0 3.5,3.5b ¶12936370
ISCJB IV 28 03 37 43.9–1.6 40.2N–.20 73.1E–.10 39 3.5b,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 29 15 19 43.8–1.4 42.6N–.30 72.28E–.07 11 8 1-2
¶16645818
ISC Event type ke.
ISC IV 29 18 53 12.0–.46 41.63N–.03 71.41E–.03 28–3 4.7b,3.8s 610 2-152
SZGRF IV 29 18 53 04.6 40.61N 72.64E 33 4.6b,3.9s ¶13439191
LDG IV 29 18 53 06.1–.12 41.40N 71.56E 10 5.0b,3.5s
BJI IV 29 18 53 07.1 41.69N 71.30E 10 4.9L,4.8b
IDC IV 29 18 53 07.6–.38 41.52N 71.46E 0 4.6,4.6
NNC IV 29 18 53 10.8–2.0 41.74N 71.50E 0 5.1,4.8b
ISCJB IV 29 18 53 10.0–.12 41.55N–.02 71.38E–.02 23 4.7b,3.9s
GCMT IV 29 18 53 11.8–.40 41.62N 71.26E 20–1 4.8W,3.9s
MOS IV 29 18 53 11.5–.98 41.55N 71.35E 33 5.1b,3.9s
NEIC IV 29 18 53 13.2–1.3 41.61N 71.43E 35–9 5.1b,3.9s
TEH IV 29 18 53 16.4 41.98N 71.52E 80 4.9L,3.9s
ISC Event type ke.
SZGRF Kyrgyzstan.
LDG Event type ke. Error ellipse: s-maj=8.6km s-min=4.4km az=29.0.
IDC Error ellipse: s-maj=10.3km s-min=6.7km az=165.0.
NNC Error ellipse: s-maj=19.8km s-min=7.2km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=13.1.
GCMT Event type se. Data Used: IU II IC CN G. Moment Tensor Solution. s19,c20; s60,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}1.89±.16 $M_{\theta\theta}$-1.03±.11; $M_{\phi\phi}$-0.86±.09; $M_{r\theta}$0.30±.24; $M_{\theta\phi}$-0.78±.05; $M_{\phi r}$-0.01±.18; Best double couple: NP1:ϕ_s223.00000°,δ42.00000°,λ82.00000°. NP2:ϕ_s54.00000°,δ49.00000°,λ97.00000°. Principal axes: T 1.9200,Plg83.0000° ,Azm17.0000°; N -0.1900,Plg6.0000°,Azm229.0000°; P -1.7400,Plg3.0000°,Azm139.0000° M_o1.80000×10^{16}
MOS Error ellipse: s-maj=5.2km s-min=3.7km az=41.7.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.0km az=194.0.
ISC IV 29 20 54 00.4–4.4 40.1N–.30 73.54E–.09 10 10 2-13
NNC IV 29 20 53 52.9–4.7 39.66N 73.46E 0 3.5b,3.1 ¶12746812
ISC Event type ke.
NNC Error ellipse: s-maj=44.1km s-min=26.5km az=19.0.
ISC V 01 09 01 29.7–1.3 41.53N–.10 71.38E–.07 23 3.4b 29 2-76
IDC V 01 09 01 26.2–1.6 41.52N 71.39E 0 3.6,3.6b ¶13546464
NNC V 01 09 01 27.0–1.7 41.43N 71.37E 0 3.5b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=11.5km az=4.0.
NNC Error ellipse: s-maj=17.1km s-min=6.4km az=33.0.
ISC V 02 19 39 35.1–2.3 41.4N–.20 71.36E–.08 23 10 2-11
NNC V 02 19 39 36.1–5.5 41.67N 71.46E 0 3.2b,3.1 ¶13546520
ISC Event type ke.
NNC Error ellipse: s-maj=50.9km s-min=28.6km az=5.0.
ISC V 05 06 19 04.6–1.8 41.40N–.07 73.50E–.05 3–10 3.8b 41 1-76
IDC V 05 06 19 02.3–1.6 41.15N 73.70E 0 3.8,3.8b ¶13546634
KNET V 05 06 19 06.9–.34 41.50N 73.60E 7–1 3.5L,3.8b
NNC V 05 06 19 07.2–.82 41.51N 73.37E 0 3.8b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=11.6km az=134.0.
KNET Error ellipse: s-maj=2.2km s-min=2.1km az=34.0.
NNC Error ellipse: s-maj=9.1km s-min=2.5km az=174.0.
ISC V 05 11 48 20.1–.98 42.92N–.08 72.33E–.05 10 21 1-10
NNC V 05 11 48 20.5–1.8 43.06N 72.27E 3–10 3.5b,3.2 ¶13546647
KNET V 05 11 48 21.6–.75 42.86N 72.48E 20–8 2.7L,3.2
ISC Event type ke.
NNC Error ellipse: s-maj=8.4km s-min=2.6km az=178.0.
KNET Error ellipse: s-maj=5.8km s-min=4.3km az=157.0.
ISC V 16 05 38 45.4–1.1 42.63N–.05 74.13E–.03 11–11 35 0-14
ISCJB V 16 05 38 45.4–.43 42.63N–.03 74.10E–.04 31–4 ¶13584223
KNET V 16 05 38 45.3–.25 42.58N 74.18E 19–5 3.0L
NNC V 16 05 38 46.8–.67 42.82N 74.19E 0 3.5b,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=20.4.
KNET Error ellipse: s-maj=2.5km s-min=2.1km az=107.0.
NNC Error ellipse: s-maj=11.2km s-min=3.0km az=4.0.
ISC V 23 22 22 53.5–4.3 40.3N–.30 73.61E–.09 14 11 2-4
NNC V 23 22 23 01.9–5.6 40.88N 73.56E 0 3.5b,3.1 ¶13598537
ISC Event type ke.
NNC Error ellipse: s-maj=65.0km s-min=24.6km az=169.0.
ISC V 25 01 22 57.4–2.7 41.8N–.10 72.93E–.07 8–16 19 1-2
KNET V 25 01 22 57.4–.51 41.77N 72.94E 14–2 3.0L ¶13598616
ISC Event type ke.
KNET Error ellipse: s-maj=4.4km s-min=2.8km az=153.0.
ISC V 25 21 19 21.9–2.2 41.5N–.10 73.06E–.06 9 10 1-2
¶16662282
ISC Event type ke.
ISC VI 08 17 25 49.3–2.1 41.60N–.09 73.91E–.04 12–11 25 1-10
KNET VI 08 17 25 50.5–.56 41.66N 73.94E 13–3 2.7L ¶13680850
NNC VI 08 17 25 53.3–4.3 41.67N 73.97E 0 3.6b,3.3
ISC Event type ke.
KNET Error ellipse: s-maj=3.9km s-min=2.6km az=47.0.
NNC Error ellipse: s-maj=45.5km s-min=13.9km az=166.0.
ISC VI 14 04 34 41.2–3.7 40.1N–.30 72.83E–.09 36 10 2-15
NNC VI 14 04 34 34.3–1.6 39.97N 73.02E 0 3.8b,3.4 ¶13196722
ISC Event type ke.
NNC Error ellipse: s-maj=15.1km s-min=6.3km az=163.0.
NNC VI 16 14 34 24.7–5.5 39.95N 72.63E 0 3.6b,3.1
¶13840712
NNC Error ellipse: s-maj=48.6km s-min=25.1km az=7.0.
ISC VI 16 18 51 38.9–2.6 40.3N–.20 72.33E–.06 10 20 2-14
NNC VI 16 18 51 37.6–4.3 40.21N 72.20E 0 3.8b,3.4 ¶13840723
ISC Event type ke.
NNC Error ellipse: s-maj=35.8km s-min=15.2km az=11.0.
ISC VI 25 10 02 29.2–1.4 42.09N–.07 74.04E–.03 9–11 22 0-8
NNC VI 25 10 02 28.0–4.1 41.85N 74.24E 0 3.2b,3.0 ¶13841401
KNET VI 25 10 02 29.5–.41 42.18N 74.00E 14–2 2.4L,3.0
ISCJB VI 25 10 02 30.4–.75 42.17N–.04 74.01E–.04 6–6 2.4L,3.0
ISC Event type ke.

ISCJB Event type ke.
ISC VI 27 23 11 11.4–1.3 39.6N–.10 72.9E–.10 33 3.5b 28 3-71
IDC VI 27 23 11 05.5–1.4 39.44N 72.95E 0 3.6,3.6b **¶13682165**
NNC VI 27 23 11 16.9–4.1 40.27N 72.86E 0 3.6b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=13.1km az=146.0.
NNC Error ellipse: s-maj=42.2km s-min=21.7km az=172.0.
ISC VI 28 15 33 14.1–1.1 42.25N–.08 73.98E–.03 6–13 25 0-12
KNET VI 28 15 33 13.8–.36 42.17N 74.01E 7–6 2.4L **¶13841664**
ISCJB VI 28 15 33 14.0–.75 42.14N–.05 73.92E–.04 19–6 2.4L
NNC VI 28 15 33 16.7–1.6 42.51N 73.93E 0 3.4b,3.2
ISC Event type ke.
KNET Error ellipse: s-maj=2.6km s-min=1.4km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.2km az=3.1.
NNC Error ellipse: s-maj=28.3km s-min=6.1km az=175.0.

(717) Afghanistan-Tajikistan border region.

ISC I 02 04 37 13.1–.65 36.50N–.05 71.25E–.08 114 3.8b 50 3-66
IDC I 02 04 36 56.6–3.4 35.74N 71.52E 0 3.7b,3.6 **¶12079800**
ISCJB I 02 04 37 11.9–.39 36.55N–.03 71.39E–.07 114 3.7b,3.6
NEIC I 02 04 37 13.2–.76 36.45N 71.34E 132–13 4.0b,3.6
NNC I 02 04 37 21.0–8.1 37.24N 69.66E 0 3.9b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=68.6km s-min=26.6km az=137.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.3km az=163.4.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.1km az=61.0.
NNC Error ellipse: s-maj=75.8km s-min=52.2km az=136.0.
ISC I 04 01 51 43.9–3.2 38.7N–.20 70.5E–.10 17 20 4-15
NNC I 04 01 51 48.5–1.2 39.21N 70.56E 0 3.7b,3.4 **¶12698616**
ISC Event type ke.
NNC Error ellipse: s-maj=9.1km s-min=7.0km az=11.0.
ISC I 07 03 58 32.7–.45 36.23N–.04 71.61E–.05 119 4.2b 126 2-81
IDC I 07 03 58 27.8–5.2 36.01N 71.52E 76–45 3.9,3.8L **¶13404646**
MOS I 07 03 58 29.9–1.0 36.20N 71.60E 102 4.4b,3.8L
ISCJB I 07 03 58 31.2–.28 36.21N–.03 71.65E–.04 119 4.2b,3.8L
NEIC I 07 03 58 31.3–.93 36.22N 71.52E 101–8 4.0b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=19.0km az=162.0.
MOS Error ellipse: s-maj=11.9km s-min=6.5km az=91.6.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=164.7.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.2km az=143.0.
ISC I 08 05 49 44.3–3.9 36.7N–.30 71.2E–.20 88 16 6-15
NNC I 08 05 49 47.5–12 36.86N 71.12E 126–246 3.9,3.1b **¶11712653**
ISC Event type ke.
NNC Error ellipse: s-maj=162.0km s-min=71.8km az=51.0.
ISC I 11 08 50 16.5–2.3 38.8N–.20 70.30E–.09 17 28 4-79
IDC I 11 08 50 13.5–3.6 38.60N 70.76E 0 3.5,3.4b **¶12081019**
NNC I 11 08 50 18.1–2.2 39.13N 70.35E 0 3.9b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=46.1km s-min=24.1km az=14.0.
NNC Error ellipse: s-maj=16.0km s-min=11.4km az=11.0.
ISC I 12 03 54 27.8–.66 37.25N–.05 71.98E–.08 130 4.1b 45 3-80
ISCJB I 12 03 54 26.7–.45 37.18N–.03 71.96E–.08 130 3.7b **¶11712723**
IDC I 12 03 54 26.5–7.4 37.14N 71.91E 110–57 3.6b,3.5
NNC I 12 03 54 33.6–2.3 38.11N 71.31E 0 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.1km az=164.1.
IDC Error ellipse: s-maj=58.3km s-min=34.5km az=161.0.
NNC Error ellipse: s-maj=18.1km s-min=15.3km az=10.0.
NNC I 12 09 05 53.4–2.3 37.28N 70.46E 0 3.7b,3.4
¶12790363
NNC Error ellipse: s-maj=20.3km s-min=18.3km az=85.0.
ISC I 13 01 48 43.1–.42 36.06N–.03 72.29E–.03 56–4 4.5b,4.2s 293 2-151
IDC I 13 01 48 35.3–.52 35.88N 72.15E 0 4.5,4.4b **¶11594590**
MOS I 13 01 48 39.2–1.2 35.95N 72.27E 34 4.7b,4.4b
NEIC I 13 01 48 41.0–.71 35.87N 72.34E 42–7 4.8b,4.4b
ISCJB I 13 01 48 42.9–.41 36.06N–.02 72.29E–.03 66–4 4.4b,4.4b
BJI I 13 01 48 42.8 36.14N 72.41E 49 5.0b,4.5b
NNC I 13 01 48 47.1–3.6 36.31N 72.03E 75–41 4.6,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=14.9km s-min=11.8km az=14.0.
MOS Error ellipse: s-maj=7.6km s-min=4.4km az=105.1.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=5.3km az=50.0. Felt at Asadabad, Afghanistan.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.5km az=4.0.
NNC Error ellipse: s-maj=26.8km s-min=18.8km az=29.0.
ISC I 13 09 42 45.5–1.1 36.50N–.08 71.5E–.10 114 15 5-81
ISCJB I 13 09 42 42.6–1.0 36.43N–.07 71.3E–.10 114 3.3b **¶12081178**
IDC I 13 09 42 45.6–22 36.69N 71.51E 84–129 3.3,3.2b
NNC I 13 09 42 45.8–7.3 36.65N 71.07E 45–166 3.5,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=7.4km az=156.2.
IDC Error ellipse: s-maj=205.2km s-min=43.9km az=179.0.
NNC Error ellipse: s-maj=63.0km s-min=59.0km az=150.0.
ISC I 14 00 29 33.3–.65 37.07N–.05 71.63E–.08 106 3.5b 54 3-81
IDC I 14 00 29 26.9–6.4 36.74N 71.48E 57–48 3.5L,3.5 **¶11712747**
ISCJB I 14 00 29 31.9–.42 37.02N–.03 71.58E–.07 106 3.5b,3.5
NNC I 14 00 29 31.0–5.6 37.34N 71.13E 0 4.1,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=52.3km s-min=24.1km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=3.9km az=168.5.
NNC Error ellipse: s-maj=48.6km s-min=37.3km az=174.0.
NNC I 15 03 43 15.4–3.7 37.38N 70.65E 0 3.7b,3.6
¶12698875
NNC Error ellipse: s-maj=30.6km s-min=29.2km az=101.0.
NNC I 15 13 35 32.1–6.0 37.35N 70.52E 0 3.7b,3.4
¶12698898
NNC Error ellipse: s-maj=44.7km s-min=44.2km az=0.0.
ISC I 16 04 03 34.5–.61 36.44N–.05 71.52E–.08 188 3.6b 81 3-84
IDC I 16 04 03 26.2–6.3 36.13N 70.98E 89–54 4.0L,3.8 **¶11712778**
NEIC I 16 04 03 30.2–1.0 36.26N 71.03E 124–9 4.4b,3.8
ISCJB I 16 04 03 33.8–.40 36.36N–.03 71.33E–.07 188 3.6b,3.8
NNC I 16 04 03 34.2–1.5 36.83N 71.04E 39–12 4.8,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=19.8km az=21.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=4.2km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=3.3km az=162.7.
NNC Error ellipse: s-maj=14.8km s-min=11.9km az=31.0.
ISC I 17 21 50 32.7–.67 36.40N–.06 71.61E–.09 114 4.2b 45 3-82
IDC I 17 21 50 17.9–1.2 35.88N 71.39E 0 4.0,3.9b **¶13405804**
ISCJB I 17 21 50 31.4–.45 36.39N–.04 71.63E–.07 114 4.0b,3.9b
NNC I 17 21 50 32.7–5.2 36.87N 70.97E 0 4.0b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=25.0km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.2km az=159.5.
NNC Error ellipse: s-maj=48.3km s-min=33.7km az=152.0.
ISC I 18 00 31 56.5–.78 37.12N–.08 71.7E–.10 109 3.3b 43 5-81
ISCJB I 18 00 31 54.7–.57 37.02N–.05 71.62E–.09 109 3.5b **¶11677604**
IDC I 18 00 31 54.3–6.5 37.15N 71.37E 69–53 3.8L,3.6
NNC I 18 00 31 58.8–5.4 37.37N 71.26E 93–59 3.8,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.5km az=153.6.
IDC Error ellipse: s-maj=49.6km s-min=25.6km az=170.0.
NNC Error ellipse: s-maj=51.1km s-min=27.0km az=37.0.
NNC I 19 05 19 42.8–10 37.37N 70.15E 0 3.5b,3.4
¶12612177
NNC Error ellipse: s-maj=107.3km s-min=78.4km az=79.0.
NNC I 19 23 14 18.6–13 37.36N 70.31E 0 3.6b,3.3
¶12612200
NNC Error ellipse: s-maj=214.3km s-min=111.7km az=84.0.
ISC I 20 00 11 26.4–3.2 39.0N–.20 71.36E–.10 43 24 4-15
NNC I 20 00 11 27.2–1.0 39.45N 71.33E 0 3.4b,3.3 **¶11682453**
ISC Event type ke.
NNC Error ellipse: s-maj=7.7km s-min=5.1km az=11.0.
ISC I 20 18 37 17.7–.48 37.21N–.03 71.80E–.06 130 3.8b 88 3-81
IDC I 20 18 37 10.6–3.8 36.78N 71.93E 71–28 3.7,3.7 **¶11677639**
ISCJB I 20 18 37 16.6–.31 37.24N–.02 71.97E–.05 130 3.5b,3.7
NEIC I 20 18 37 18.1–.62 37.09N 72.04E 138–8 4.7b,3.7
NNC I 20 18 37 25.0–1.5 37.75N 71.77E 177–16 4.5,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=54.3km s-min=17.4km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.0km az=169.4.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.5km az=61.0.
NNC Error ellipse: s-maj=13.4km s-min=7.9km az=17.0.
ISC I 20 20 28 38.0–2.7 38.7N–.20 70.3E–.10 13 19 4-13
NNC I 20 20 28 41.8–1.9 39.14N 70.25E 0 3.5b,3.2 **¶12612236**
ISC Event type ke.
NNC Error ellipse: s-maj=14.7km s-min=12.2km az=28.0.
ISC I 21 02 19 42.5–2.8 36.6N–.20 71.1E–.20 106 13 6-66
IDC I 21 02 19 46.0–13 36.43N 71.42E 199–138 3.1b,2.9 **¶12081924**
NNC I 21 02 19 51.8–2.5 37.11N 71.21E 181–26 3.6,2.6b
ISC Event type ke.
IDC Error ellipse: s-maj=86.2km s-min=55.6km az=173.0.
NNC Error ellipse: s-maj=22.5km s-min=12.5km az=9.0.
ISC I 21 05 10 07.2–3.0 36.7N–.20 71.4E–.20 188 3.4b 26 6-82
IDC I 21 05 10 01.8–6.6 36.34N 71.22E 154–60 3.5,3.4 **¶12081946**
NNC I 21 05 10 15.0–11 37.34N 71.50E 197–112 3.9,2.8b
ISC Event type ke.
IDC Error ellipse: s-maj=35.8km s-min=24.7km az=8.0.
NNC Error ellipse: s-maj=106.2km s-min=52.5km az=5.0.
ISC I 21 08 21 38.0–2.0 37.1N–.10 71.4E–.20 106 26 5-16
¶16193590
ISC Event type ke.
ISC I 21 10 41 42.1–1.7 37.6N–.10 69.7E–.10 30 3.6b 31 5-86
IDC I 21 10 41 35.5–1.3 37.12N 70.11E 0 3.9,3.7L **¶12081962**
NNC I 21 10 41 42.7–4.8 37.70N 70.05E 0 4.0,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=19.8km az=70.0.
NNC Error ellipse: s-maj=37.8km s-min=31.6km az=162.0.
ISC I 22 09 28 15.1–3.6 37.2N–.20 70.7E–.10 64 20 5-16
NNC I 22 09 28 17.8–4.1 37.34N 70.98E 122–75 3.8,2.9b **¶11682476**
ISC Event type ke.
NNC Error ellipse: s-maj=57.5km s-min=24.4km az=51.0.
ISC I 22 11 37 09.3–3.1 37.0N–.20 70.9E–.10 88 19 6-16
NNC I 22 11 37 08.2–6.9 36.93N 70.89E 73–141 3.6,3.2b **¶12699083**
ISC Event type ke.
NNC Error ellipse: s-maj=52.0km s-min=48.4km az=22.0.
ISC I 23 11 36 55.9–3.5 37.6N–.20 71.1E–.10 25 23 5-16
NNC I 23 11 36 58.3–3.4 37.99N 71.00E 0 3.9b,3.9 **¶12699136**
ISC Event type ke.
NNC Error ellipse: s-maj=25.5km s-min=22.0km az=3.0.
IDC I 25 02 52 35.5–6.6 36.59N 71.16E 76–58 3.2L,3.2
¶12082275
IDC Error ellipse: s-maj=38.7km s-min=24.7km az=4.0.
ISC I 25 19 13 00.8–.44 36.99N–.04 71.66E–.04 118–4 4.2b 186 3-88
BJI I 25 19 12 54.7 37.05N 71.21E 77 4.6b,4.5b **¶13434003**
MOS I 25 19 12 58.8–1.2 36.91N 71.68E 111 4.2b,4.5b
ISCJB I 25 19 12 59.4–.40 36.95N–.02 71.73E–.04 117–5 4.2b,4.5b
IDC I 25 19 13 00.9–.79 36.84N 71.51E 118–6 4.0,3.9
NEIC I 25 19 13 00.2–.35 36.92N 71.79E 117 4.8b,3.9
NNC I 25 19 13 05.1–3.0 37.39N 71.44E 144–32 4.8,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=5.5km az=88.6.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=173.0.
IDC Error ellipse: s-maj=15.4km s-min=12.8km az=37.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.0km az=53.0.
NNC Error ellipse: s-maj=26.2km s-min=14.6km az=18.0.
ISC I 25 19 41 48.6–3.6 38.6N–.30 71.6E–.20 47 3.4b 12 4-83
IDC I 25 19 41 44.8–1.5 38.42N 72.03E 0 3.7,3.7s **¶12082323**
NNC I 25 19 41 47.2–3.1 38.51N 71.67E 0 3.9b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=25.8km s-min=21.3km az=40.0.
NNC Error ellipse: s-maj=31.9km s-min=20.6km az=47.0.
ISC I 25 21 28 23.3–4.6 38.51N–.06 71.98E–.08 14–29 3.6b 36 4-82
IDC I 25 21 28 20.7–1.2 38.37N 72.03E 0 3.8,3.7b **¶12082326**
NEIC I 25 21 28 25.3–2.9 38.43N 71.90E 30–22 4.0b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=17.9km az=136.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.4km az=146.0.
ISC I 25 23 25 54.9–2.9 38.59N–.08 71.91E–.06 32–21 4.0b 76 4-79
NNC I 25 23 25 45.2–5.7 38.06N 71.14E 0 4.1,4.0b **¶12082330**
IDC I 25 23 25 49.6–2.2 38.49N 72.12E 0 3.7b,3.7
MOS I 25 23 25 53.7–1.5 38.63N 71.91E 33 4.4b,3.7
NEIC I 25 23 25 55.2–.77 38.55N 72.01E 35 3.8b,3.7
ISC Event type se.
NNC Error ellipse: s-maj=47.0km s-min=40.8km az=7.0.
IDC Error ellipse: s-maj=31.9km s-min=19.8km az=6.0.
MOS Error ellipse: s-maj=14.3km s-min=7.5km az=84.5.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.4km az=169.0.
ISC I 26 00 28 41.4–1.8 38.6N–.10 71.8E–.10 25 3.7b 30 4-79
IDC I 26 00 28 34.3–2.3 38.19N 72.28E 0 3.7b,3.7 **¶12082333**
NNC I 26 00 28 35.9–6.4 38.32N 71.67E 0 3.9b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=22.0km az=145.0.
NNC Error ellipse: s-maj=124.1km s-min=40.1km az=90.0.
NNC I 26 10 38 02.6–3.8 38.55N 70.19E 0 3.6b,3.2
¶12699266
NNC Error ellipse: s-maj=31.9km s-min=22.7km az=172.0.
ISC I 26 17 04 13.8–3.7 38.4N–.20 71.7E–.10 10 17 4-15
NNC I 26 17 04 17.7–5.0 38.76N 72.00E 0 3.6,3.6b **¶11682520**
ISC Event type ke.
NNC Error ellipse: s-maj=42.9km s-min=34.4km az=22.0.
NNC I 27 02 18 56.0–7.6 38.85N 70.88E 0 3.5b,3.1
¶12790447
NNC Error ellipse: s-maj=88.1km s-min=55.5km az=62.0.
NNC I 27 17 18 45.9–7.1 37.43N 69.93E 0 3.8b,3.5
¶12790482
NNC Error ellipse: s-maj=58.9km s-min=55.3km az=104.0.
ISC I 28 15 18 47.1–.45 36.39N–.05 71.57E–.06 114 4.2b 111 3-84
MOS I 28 15 18 38.1–1.7 36.30N 71.28E 33 4.5b **¶11677718**
IDC I 28 15 18 38.1–4.3 36.14N 71.35E 29–30 4.1,4.0
BJI I 28 15 18 44.2 36.81N 70.83E 107 4.3b,3.9b
ISCJB I 28 15 18 45.7–.26 36.44N–.03 71.61E–.05 114 4.1b,3.9b
NNC I 28 15 18 50.7–1.2 36.98N 71.11E 139–12 4.4,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=14.0km s-min=6.4km az=95.3.
IDC Error ellipse: s-maj=17.6km s-min=13.5km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=159.6.
NNC Error ellipse: s-maj=10.6km s-min=6.3km az=38.0.
ISC I 29 13 29 21.5–1.5 36.01N–.08 71.4E–.10 119 3.7b 45 2-82
IDC I 29 13 29 18.4–5.7 35.82N 71.28E 71–45 4.2L,3.7 **¶13434072**
ISCJB I 29 13 29 22.7–.38 36.13N–.03 71.30E–.06 119 3.8b,3.7
NEIC I 29 13 29 24.3–1.1 36.20N 71.18E 111–9 4.7b,3.7
NNC I 29 13 29 30.8–3.5 36.73N 70.73E 114–41 4.2,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=53.8km s-min=32.9km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.9km az=178.9.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=9.0km az=132.0.
NNC Error ellipse: s-maj=27.9km s-min=17.5km az=25.0.
NNC I 29 19 44 22.2–5.4 36.89N 71.39E 164–104 3.6,2.6b
¶12790593
NNC Error ellipse: s-maj=52.9km s-min=28.8km az=11.0.

ISC I 30 03 19 31.4–1.2 36.59N–.06 71.9E–.10 100 30 3-66
IDC I 30 03 19 24.7–14 36.00N 71.81E 91–91 3.1b,3.0L **¶11677738**
ISCJB I 30 03 19 29.5–.76 36.62N–.04 71.9E–.10 100 3.4b,3.0L
ISC Event type ke.
ISCJB Event type ke.
ISC I 30 09 39 04.5–5.1 37.4N–.30 71.4E–.20 109 16 5-14
NNC I 30 09 39 01.5–7.6 37.56N 71.33E 0 3.8b,3.5 **¶12790620**
ISC Event type ke.
NNC Error ellipse: s-maj=61.4km s-min=49.1km az=172.0.
ISC I 30 20 29 47.9–.73 36.42N–.05 71.54E–.09 114 3.9b 55 3-45
ISCJB I 30 20 29 47.2–.43 36.41N–.03 71.68E–.08 114 3.9b **¶12082760**
IDC I 30 20 29 51.4–8.4 36.67N 71.48E 111–60 3.6b,3.5
NNC I 30 20 29 52.2–3.5 36.79N 71.14E 113–41 4.1,3.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=3.6km az=167.5.
IDC Error ellipse: s-maj=73.1km s-min=47.5km az=165.0.
NNC Error ellipse: s-maj=27.8km s-min=24.0km az=179.0.
NNC II 05 01 08 32.3–9.6 37.09N 71.33E 68–314 3.6,3.3b
¶12790885
NNC Error ellipse: s-maj=126.7km s-min=57.5km az=62.0.
ISC II 05 01 56 57.3–1.2 37.3N–.10 71.7E–.20 113 27 5-17
ISCJB II 05 01 56 58.2–.86 37.23N–.06 71.8E–.10 113 **¶12790888**
NNC II 05 01 57 10.0–3.5 38.05N 71.94E 186–38 3.6,2.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=5.6km az=152.3.
NNC Error ellipse: s-maj=36.1km s-min=18.8km az=26.0.
ISC II 05 21 15 15.3–3.7 37.5N–.20 71.7E–.10 109 19 5-14
NNC II 05 21 15 18.1–5.6 37.71N 71.65E 137–115 3.8,2.9b **¶12790924**
ISC Event type ke.
NNC Error ellipse: s-maj=58.4km s-min=34.6km az=11.0.
ISC II 06 08 42 59.4–1.1 36.20N–.08 72.2E–.10 141 3.4b 7 5-81
IDC II 06 08 42 56.3–5.9 36.01N 71.55E 86–51 4.0L,3.5 **¶15955135**
ISCJB II 06 08 42 57.6–.00 36.22N–.07 72.2E–.20 141 3.1b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC II 06 11 39 42.6–2.6 37.8N–.20 67.4E–.10 10 4.0b 13 6-42
IDC II 06 11 39 40.2–2.8 37.58N 67.31E 0 4.1b,3.9 **¶12699667**
ISC Event type ke.
IDC Error ellipse: s-maj=43.3km s-min=17.5km az=158.0.
ISC II 11 02 09 13.1–1.1 36.30N–.06 71.3E–.20 188 17 3-17
NNC II 11 02 09 18.8–6.1 36.71N 70.95E 92–109 4.0,3.4b **¶12835747**
ISC Event type ke.
NNC Error ellipse: s-maj=48.2km s-min=40.2km az=0.0.
ISC II 11 12 03 20.5–.68 36.28N–.05 71.50E–.08 114 3.8b 49 2-81
IDC II 11 12 03 17.4–6.1 36.11N 71.53E 86–46 3.5,3.4 **¶13434460**
ISCJB II 11 12 03 19.6–.46 36.30N–.03 71.55E–.07 114 3.5b,3.4
NNC II 11 12 03 23.3–5.3 36.61N 70.87E 82–72 4.2,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=55.1km s-min=33.7km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=3.5km az=160.6.
NNC Error ellipse: s-maj=42.6km s-min=36.9km az=151.0.
ISC II 11 20 47 49.7–.64 36.30N–.05 71.33E–.08 114 4.2b 57 3-82
ISCJB II 11 20 47 48.5–.39 36.29N–.03 71.45E–.07 114 4.3b **¶12083110**
NEIC II 11 20 47 50.9–1.0 36.58N 70.85E 75–11 4.9b
NNC II 11 20 47 50.8–5.7 36.85N 70.89E 0 4.5b,4.2
IDC II 11 20 47 54.5–8.7 36.67N 71.18E 120–57 3.6,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.8km az=169.9.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.6km az=114.0.
NNC Error ellipse: s-maj=46.9km s-min=35.7km az=167.0.
IDC Error ellipse: s-maj=83.3km s-min=42.4km az=157.0.
ISC II 13 11 54 31.3–1.6 37.1N–.10 71.0E–.10 204 3.4b 15 6-85
IDC II 13 11 54 22.8–7.4 36.48N 71.09E 114–62 3.7s,3.7 **¶12700502**
NNC II 13 11 54 26.1–2.6 37.26N 70.47E 0 3.5b,3.3
ISCJB II 13 11 54 31.5–1.1 36.99N–.08 71.2E–.10 204 3.2b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC II 14 00 33 58.9–3.6 39.0N–.20 71.74E–.10 34 13 3-13
NNC II 14 00 33 57.6–2.3 39.19N 72.05E 0 3.5b,3.1 **¶12835901**
ISC Event type ke.
NNC Error ellipse: s-maj=17.6km s-min=10.8km az=6.0.
ISC II 14 01 34 40.1–.63 36.63N–.05 71.06E–.08 188 3.7b 65 3-84
BJI II 14 01 34 27.0 36.10N 69.84E 123 4.6b **¶13434605**
IDC II 14 01 34 36.7–3.7 36.32N 70.98E 171–32 3.6,3.5b
ISCJB II 14 01 34 38.7–.43 36.53N–.03 70.89E–.07 188 3.7b,3.5b
NNC II 14 01 34 48.0–2.5 37.16N 71.12E 212–22 4.0,2.7b
ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=17.6km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=3.4km az=157.3.
NNC Error ellipse: s-maj=24.5km s-min=15.2km az=25.0.
NNC II 14 20 56 47.0–3.3 37.35N 71.42E 111–52 3.6,2.9b
¶12835848
NNC Error ellipse: s-maj=27.1km s-min=20.8km az=12.0.
NNC II 16 21 33 32.2–10 37.39N 70.18E 0 3.6b,3.4
¶12835938
NNC Error ellipse: s-maj=125.4km s-min=83.6km az=83.0.
ISC II 17 15 11 52.2–2.3 38.8N–.20 71.53E–.08 34 3.3b 33 4-79
NNC II 17 15 11 52.4–1.1 39.14N 71.55E 0 4.1b,4.0 **¶12701022**
IDC II 17 15 11 53.4–1.5 39.16N 72.00E 0 3.6,3.6
ISC Event type ke.
NNC Error ellipse: s-maj=8.4km s-min=5.4km az=11.0.
IDC Error ellipse: s-maj=27.8km s-min=13.2km az=139.0.
ISC II 17 16 39 57.7–.37 36.59N–.04 71.11E–.04 221–3 4.2b 218 3-150
BJI II 17 16 39 54.6 36.70N 70.96E 201 4.7b,4.2b **¶13434777**
ISCJB II 17 16 39 55.5–.31 36.58N–.02 71.10E–.04 213–3 4.0b,4.2b
MOS II 17 16 39 55.9–.88 36.61N 71.03E 215 4.3b,4.2b
NEIC II 17 16 39 57.9–.33 36.63N 71.10E 224 4.6b,4.2b
IDC II 17 16 39 57.9–.59 36.53N 71.10E 224–5 3.9,3.8
NNC II 17 16 40 02.6–3.6 37.22N 70.60E 164–46 4.5,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.1km az=162.4.
MOS Error ellipse: s-maj=10.0km s-min=5.3km az=89.8.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.8km az=91.0.
IDC Error ellipse: s-maj=10.2km s-min=8.0km az=42.0.
NNC Error ellipse: s-maj=29.7km s-min=21.7km az=26.0.
ISC II 18 02 49 06.8–.27 36.66N–.02 71.46E–.03 114 4.2b 213 3-93
MOS II 18 02 48 57.8–1.2 36.54N 71.26E 33 4.6b **¶13434804**
IDC II 18 02 49 02.0–3.7 36.60N 71.28E 60–33 4.4L,4.1
BJI II 18 02 49 04.8 36.89N 71.16E 84 4.4b,4.3b
NEIC II 18 02 49 05.7–.64 36.64N 71.25E 93–6 4.3b,4.3b
ISCJB II 18 02 49 05.4–.17 36.65N–.02 71.47E–.03 114 4.2b,4.3b
NNC II 18 02 49 07.7–3.4 36.97N 70.95E 62–48 4.5,4.2b
ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=6.0km az=101.3.
IDC Error ellipse: s-maj=17.3km s-min=14.2km az=1.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=5.1km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.5km az=148.1.
NNC Error ellipse: s-maj=26.9km s-min=22.3km az=167.0.
ISC II 19 13 14 12.4–.99 36.59N–.06 71.3E–.10 114 10 3-17
ISCJB II 19 13 14 11.3–.69 36.60N–.05 71.3E–.20 114 **¶12855275**
NNC II 19 13 14 17.9–9.7 36.94N 71.40E 155–134 3.9,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.2km s-min=6.0km az=171.3.
NNC Error ellipse: s-maj=86.4km s-min=52.7km az=6.0.
ISC II 21 01 47 20.5–1.9 37.2N–.10 70.6E–.10 64 14 6-81
IDC II 21 01 47 21.2–8.6 36.98N 71.28E 94–56 3.4L,3.3 **¶12701385**
NNC II 21 01 47 24.4–1.9 37.77N 70.40E 0 3.3b,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=74.3km s-min=41.2km az=170.0.
NNC Error ellipse: s-maj=25.7km s-min=13.9km az=97.0.
ISC II 21 05 41 33.7–1.0 36.4N–.10 71.1E–.10 188 3.4b 26 6-84
ISCJB II 21 05 41 31.5–.84 36.26N–.09 70.9E–.10 188 3.5b **¶12701404**
IDC II 21 05 41 36.1–3.5 36.45N 71.13E 215–31 3.3,3.3b
NNC II 21 05 41 37.6–3.3 36.80N 70.78E 148–72 3.8,2.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=11.6km az=34.6.
IDC Error ellipse: s-maj=24.8km s-min=17.6km az=29.0.
NNC Error ellipse: s-maj=31.7km s-min=22.3km az=31.0.
ISC II 21 08 46 33.6–1.8 37.6N–.10 71.8E–.10 130 26 5-80
NNC II 21 08 46 34.8–4.3 38.04N 71.26E 0 4.1,4.0b **¶12701411**
IDC II 21 08 46 36.2–7.8 37.67N 72.01E 155–50 3.2,3.1
ISC Event type ke.
NNC Error ellipse: s-maj=33.5km s-min=29.3km az=10.0.
IDC Error ellipse: s-maj=67.3km s-min=37.4km az=9.0.
IDC II 21 13 40 21.3–5.7 36.48N 71.23E 180–42 2.9b,2.8
¶12701430
IDC Error ellipse: s-maj=69.4km s-min=30.2km az=143.0.
ISC II 22 06 31 22.9–.94 37.29N–.07 71.9E–.10 130 25 6-80
ISCJB II 22 06 31 23.3–.65 37.33N–.04 72.00E–.09 130 3.3b **¶12054384**
IDC II 22 06 31 25.4–5.7 37.23N 72.11E 168–41 3.4,3.3s
NNC II 22 06 31 33.1–3.0 37.88N 72.03E 170–35 3.5,2.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=4.6km az=155.6.
IDC Error ellipse: s-maj=73.8km s-min=31.2km az=147.0.
NNC Error ellipse: s-maj=33.4km s-min=14.6km az=28.0.
NNC II 22 19 42 04.6–2.6 36.90N 71.23E 97–64 3.5,3.0b
¶12855425
NNC Error ellipse: s-maj=36.7km s-min=16.7km az=56.0.
ISC II 25 03 04 53.0–1.6 37.3N–.10 71.4E–.10 35 3.8b 15 6-66
IDC II 25 03 04 57.4–5.8 37.43N 71.77E 95–53 3.4b,3.2 **¶12701798**
NNC II 25 03 05 03.6–1.9 38.26N 71.40E 0 3.7b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=51.9km s-min=38.4km az=134.0.
NNC Error ellipse: s-maj=15.1km s-min=12.7km az=20.0.
ISC II 26 02 44 05.4–1.4 37.14N–.09 71.5E–.10 106 17 5-16
ISCJB II 26 02 44 03.8–1.3 37.03N–.08 71.3E–.20 106 **¶12054411**
NNC II 26 02 44 10.2–5.6 37.50N 71.43E 104–124 3.5,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.7km s-min=7.1km az=158.4.
NNC Error ellipse: s-maj=46.6km s-min=34.0km az=9.0.
ISC II 27 09 19 10.9–.66 37.19N–.07 71.29E–.08 35 3.9b 38 3-82
ISCJB II 27 09 19 09.5–.47 37.16N–.04 71.30E–.07 35 3.7b **¶13435142**
IDC II 27 09 19 13.8–5.3 37.16N 71.58E 68–44 4.1L,3.7
NNC II 27 09 19 16.0–5.9 37.68N 71.10E 0 3.9b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.0km az=154.7.
IDC Error ellipse: s-maj=34.7km s-min=21.6km az=7.0.
NNC Error ellipse: s-maj=49.6km s-min=35.9km az=169.0.
NNC II 28 10 04 48.4–7.1 37.69N 70.55E 0 3.5b,3.2
¶12933876
NNC Error ellipse: s-maj=56.1km s-min=52.3km az=0.0.
ISC III 02 06 58 00.6–.73 36.40N–.06 71.54E–.10 114 3.6b 45 3-82
IDC III 02 06 57 53.4–5.3 35.97N 71.31E 61–45 3.7L,3.6 **¶12054575**
ISCJB III 02 06 57 58.8–.54 36.31N–.04 71.47E–.09 114 3.5b,3.6
NNC III 02 06 58 06.2–3.2 36.81N 71.23E 109–33 4.4,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=24.0km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=4.1km az=154.4.
NNC Error ellipse: s-maj=34.2km s-min=18.0km az=48.0.
ISC III 03 02 19 06.6–.74 36.49N–.05 71.21E–.09 188 3.3b 31 3-84
IDC III 03 02 19 02.9–6.2 36.31N 71.13E 135–57 3.2s,3.2 **¶12702319**
ISCJB III 03 02 19 05.7–.51 36.44N–.03 71.23E–.09 188 3.3b,3.2
NNC III 03 02 19 08.4–4.6 36.74N 70.70E 101–65 3.9,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=43.5km s-min=23.4km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=4.8km az=174.0.
NNC Error ellipse: s-maj=35.4km s-min=26.9km az=5.0.
ISC III 03 09 51 49.7–.74 36.41N–.04 71.30E–.09 114 3.4b 48 3-81
IDC III 03 09 51 32.0–2.8 35.59N 71.26E 0 3.8L,3.8 **¶12054456**
ISCJB III 03 09 51 48.9–.46 36.41N–.03 71.35E–.07 114 3.2b,3.8
NNC III 03 09 51 53.1–9.3 36.68N 70.74E 99–112 4.2,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=64.1km s-min=24.3km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=3.2km az=168.2.
NNC Error ellipse: s-maj=74.0km s-min=56.0km az=171.0.
ISC III 03 14 22 14.0–.40 38.23N–.03 71.43E–.02 22–2 4.9b,4.6s 618 4-151
NEIC III 03 14 22 10.3–1.9 38.07N 71.59E 3–12 5.0b,4.6s **¶13435473**
ISCJB III 03 14 22 10.3–.78 38.12N–.02 71.56E–.02 10–4 4.8b,4.6s
IDC III 03 14 22 10.1–.41 38.16N 71.52E 0 4.8,4.8
BJI III 03 14 22 11.2 38.27N 71.35E 21 5.4L,5.0s
NNC III 03 14 22 14.0–2.4 38.43N 71.22E 0 5.2b,5.1
MOS III 03 14 22 14.8–1.1 38.18N 71.56E 42 5.1b,4.6s
GCMT III 03 14 22 15.9–.20 38.39N 71.38E 20–0 5.1W,4.6s
SZGRF III 03 14 22 19.6 39.00N 71.90E 33 4.8b,4.6s
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.7km az=213.0. Felt at Khorugh.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=20.6.
IDC Error ellipse: s-maj=9.3km s-min=8.2km az=152.0.
NNC Error ellipse: s-maj=28.5km s-min=15.6km az=155.0.
MOS Error ellipse: s-maj=5.0km s-min=3.7km az=115.9.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s45,c73; s80,c147; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.32±.19 $M_{\theta\theta}$-4.02±.16; $M_{\phi\phi}$7.33±.14; $M_{r\theta}$0.87±.34; $M_{\theta\phi}$1.77±.11; $M_{\phi r}$-1.00±.26; Best double couple: NP1:ϕ_s230.00000°,δ64.00000°,λ-21.00000°. NP2:ϕ_s329.00000°,δ71.00000°,λ-152.00000°. Principal axes: T 7.6700,Plg4.0000° ,Azm98.0000°; N -2.7400,Plg57.0000°,Azm1.0000°; P -4.9400,Plg33.0000°,Azm191.0000° M_o6.30000×10^{16}
SZGRF Afghanistan-Tajikistan border region.
NNC III 03 15 43 26.9–5.0 38.60N 71.13E 0 3.6b,3.3
¶12934003
NNC Error ellipse: s-maj=47.9km s-min=39.9km az=178.0.
ISC III 04 00 49 11.6–2.8 37.9N–.20 71.6E–.10 35 13 5-40
IDC III 04 00 49 17.4–7.9 38.13N 71.93E 137–60 3.5b,3.1 **¶12702392**
NNC III 04 00 49 17.8–2.4 38.56N 71.68E 0 3.7b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=71.6km s-min=58.2km az=161.0.
NNC Error ellipse: s-maj=18.7km s-min=13.9km az=2.0.
ISC III 09 03 26 01.8–.74 36.41N–.06 71.1E–.10 100 3.8b 30 3-81
IDC III 09 03 25 56.2–5.9 35.90N 71.39E 74–45 3.6L,3.5 **¶12702774**
ISCJB III 09 03 26 00.9–.48 36.41N–.03 71.2E–.10 100 3.7b,3.5
NNC III 09 03 26 06.3–7.3 36.79N 70.78E 73–126 4.1,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=55.7km s-min=34.2km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=4.8km az=0.8.
NNC Error ellipse: s-maj=53.9km s-min=44.6km az=24.0.
ISC III 10 15 50 42.1–.61 36.37N–.05 71.30E–.08 114 3.7b 67 3-82
IDC III 10 15 50 38.7–5.3 36.03N 71.19E 88–45 3.4,3.3 **¶12054509**
ISCJB III 10 15 50 41.3–.37 36.35N–.03 71.44E–.06 114 3.6b,3.3
NEIC III 10 15 50 41.6–.49 36.31N 71.28E 150 4.6b,3.3
NNC III 10 15 50 49.3–6.5 36.94N 70.99E 189–97 4.0,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=25.8km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.4km az=167.5.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.8km az=63.0.
NNC Error ellipse: s-maj=61.0km s-min=36.3km az=24.0.
ISC III 13 20 42 14.3–.33 36.48N–.04 71.21E–.04 188 4.1b 245 3-150
SZGRF III 13 20 42 01.5 37.45N 71.80E 33 4.3b **¶13436221**
NNC III 13 20 42 11.6–6.1 36.96N 71.51E 0 5.2,4.6b
ISCJB III 13 20 42 12.3–.15 36.39N–.02 71.07E–.03 188 4.1b,4.6b
MOS III 13 20 42 14.2–.89 36.42N 71.14E 208 4.2b,4.6b
IDC III 13 20 42 15.1–2.5 36.34N 71.17E 207–23 3.9,3.8b
NEIC III 13 20 42 16.0–1.1 36.48N 71.19E 213–10 4.3b,3.8b
BJI III 13 20 42 17.0 36.82N 71.18E 199 4.6b,4.4b

ISC Event type se.
SZGRF Afghanistan-Tajikistan border region.
NNC Error ellipse: s-maj=47.2km s-min=32.9km az=5.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.2km az=144.9.
MOS Error ellipse: s-maj=9.1km s-min=5.7km az=93.8.
IDC Error ellipse: s-maj=13.9km s-min=8.5km az=179.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.4km az=189.0.

ISC	**III**	**16 14 05 06.8–1.7**	**36.5N–.10**	**71.2E–.20**	**200**		**10**	**7-84**
ISCJB	III	16 14 05 05.5–1.2	36.46N–.09	71.2E–.30	200	3.0b		¶12703416
IDC	III	16 14 05 07.6–7.7	36.44N	71.80E	191–61	2.9,2.8b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.0km s-min=11.4km az=10.6.
IDC Error ellipse: s-maj=105.1km s-min=46.1km az=79.0.

ISC	**III**	**17 04 54 16.1–2.0**	**36.3N–.20**	**71.7E–.30**	**114**		**13**	**7-17**
ISCJB	III	17 04 54 15.0–1.3	36.3N–.10	71.7E–.20	114			¶13436485
NNC	III	17 04 54 21.1–2.3	36.99N	70.35E	0	3.8b,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=33.1km s-min=6.3km az=147.4.
NNC Error ellipse: s-maj=32.5km s-min=17.1km az=96.0.

NNC	**III**	**17 07 21 25.9–8.9**	**37.30N**	**70.06E**	**0**	**3.5b,3.3**		
								¶13436496

NNC Error ellipse: s-maj=111.8km s-min=71.1km az=85.0.

ISC	**III**	**18 01 45 04.9–3.6**	**37.2N–.20**	**71.1E–.10**	**68**		**12**	**5-15**
NNC	III	18 01 45 12.8–5.6	37.65N	71.50E	207–83	3.6,2.6b		¶13436605

ISC Event type ke.
NNC Error ellipse: s-maj=57.8km s-min=32.7km az=16.0.

ISC	**III**	**19 06 58 01.1–2.5**	**36.6N–.20**	**71.2E–.20**	**100**	**3.7b**	**19**	**3-81**
IDC	III	19 06 57 57.2–5.5	36.42N	71.09E	85–40	3.6b,3.6		¶12703655
NNC	III	19 06 58 00.1–2.9	36.97N	70.33E	0	4.2,3.8b		

ISC Event type ke.
IDC Error ellipse: s-maj=43.5km s-min=23.5km az=170.0.
NNC Error ellipse: s-maj=35.3km s-min=25.0km az=94.0.

NNC	**III**	**19 21 29 48.2–5.4**	**38.25N**	**71.07E**	**0**	**3.5b,3.2**		
								¶13436765

NNC Error ellipse: s-maj=50.0km s-min=40.9km az=70.0.

ISC	**III**	**20 18 00 10.7–5.1**	**37.0N–.30**	**70.3E–.20**	**10**		**7**	**6-13**
NNC	III	20 18 00 10.3–18	37.04N	70.84E	0	3.7b,3.5		¶13436854

ISC Event type ke.
NNC Error ellipse: s-maj=147.4km s-min=119.0km az=19.0.

ISC	**III**	**20 19 29 24.2–3.5**	**37.6N–.20**	**71.4E–.10**	**10**		**13**	**5-16**
NNC	III	20 19 29 31.3–4.6	38.18N	71.70E	0	3.5b,3.3		¶13436859

ISC Event type ke.
NNC Error ellipse: s-maj=35.3km s-min=28.3km az=177.0.

ISC	**III**	**20 23 03 50.0–.72**	**36.45N–.05**	**71.05E–.07**	**188**	**3.9b**	**45**	**3-84**
IDC	III	20 23 03 48.3–3.5	36.34N	70.94E	160–32	3.7b,3.7		¶13436865
ISCJB	III	20 23 03 50.5–.38	36.56N–.03	70.91E–.07	188	3.8b,3.7		
NNC	III	20 23 03 56.0–4.2	36.99N	70.78E	182–34	4.5,2.9b		

ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=14.9km az=38.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.3km az=165.2.
NNC Error ellipse: s-maj=34.2km s-min=23.9km az=22.0.

ISC	**III**	**21 07 38 15.5–.42**	**36.16N–.04**	**71.04E–.05**	**102**	**4.1b**	**134**	**2-84**
ISCJB	III	21 07 38 14.4–.25	36.15N–.02	70.93E–.04	102	4.0b		¶13436896
IDC	III	21 07 38 15.7–3.6	36.09N	70.96E	111–33	3.9,3.8b		
MOS	III	21 07 38 16.4–1.1	36.18N	71.02E	126	4.1b,3.8b		
NEIC	III	21 07 38 17.3–.81	36.18N	71.03E	122–7	4.3b,3.8b		
NNC	III	21 07 38 21.1–1.3	37.08N	70.63E	0	4.5,4.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.7km az=153.3.
IDC Error ellipse: s-maj=18.7km s-min=16.0km az=19.0.
MOS Error ellipse: s-maj=14.3km s-min=6.4km az=84.4.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.3km az=120.0.
NNC Error ellipse: s-maj=11.7km s-min=9.5km az=58.0.

ISC	**III**	**22 03 53 57.1–2.0**	**38.5N–.10**	**71.4E–.10**	**10**	**3.6b**	**11**	**5-79**
IDC	III	22 03 53 50.8–2.0	37.99N	71.59E	0	3.5b,3.5		¶12635254
NNC	III	22 03 54 03.7–1.8	38.73N	71.39E	24–8	3.5b,3.1		

ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=16.3km az=136.0.
NNC Error ellipse: s-maj=14.6km s-min=11.1km az=49.0.

ISC	**III**	**22 07 48 10.4–.66**	**36.69N–.05**	**71.04E–.08**	**188**	**3.5b**	**58**	**3-84**
IDC	III	22 07 48 07.5–3.7	36.37N	71.09E	191–32	3.4,3.3s		¶13437005
NNC	III	22 07 48 15.1–3.3	36.93N	71.14E	215–27	3.8,2.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=15.7km az=13.0.
NNC Error ellipse: s-maj=29.3km s-min=17.3km az=16.0.

ISC	**III**	**23 13 24 19.6–.66**	**36.51N–.05**	**71.59E–.09**	**114**	**3.4b**	**40**	**3-82**
IDC	III	23 13 24 12.2–5.8	36.18N	71.33E	39–48	3.5L,3.5		¶12612738
ISCJB	III	23 13 24 19.0–.46	36.52N–.03	71.55E–.08	114	3.5b,3.5		
NNC	III	23 13 24 20.4–6.1	37.03N	71.09E	0	3.7,3.7b		

ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=27.3km az=22.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.0km az=173.4.
NNC Error ellipse: s-maj=53.1km s-min=37.2km az=160.0.

ISC	**III**	**23 20 26 15.1–.79**	**37.09N–.05**	**71.55E–.09**	**106**	**3.6b**	**34**	**5-81**
ISCJB	III	23 20 26 13.6–.62	36.98N–.04	71.34E–.09	106	3.6b		¶12635416
NNC	III	23 20 26 16.7–5.7	37.44N	71.71E	0	3.8,3.6b		
IDC	III	23 20 26 19.2–4.2	37.13N	72.08E	184–31	3.3,3.2b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.7km az=156.8.
NNC Error ellipse: s-maj=51.7km s-min=41.0km az=25.0.
IDC Error ellipse: s-maj=45.0km s-min=24.1km az=147.0.

ISC	**III**	**24 09 03 37.9–.44**	**36.61N–.03**	**71.51E–.03**	**156–4**	**4.4b**	**312**	**3-84**
MOS	III	24 09 03 34.6–.94	36.52N	71.46E	137	4.5b		¶12061129
ISCJB	III	24 09 03 36.8–.29	36.60N–.02	71.51E–.03	159–4	4.3b		
NEIC	III	24 09 03 37.4–.68	36.56N	71.48E	152–6	4.7b		
BJI	III	24 09 03 39.2	36.86N	71.51E	158	4.7b,4.6b		
IDC	III	24 09 03 39.6–.95	36.64N	71.44E	173–8	4.0,3.9		
NNC	III	24 09 03 41.6–5.2	37.51N	71.46E	0	4.6b,4.3		

ISC Event type se.
MOS Error ellipse: s-maj=7.0km s-min=4.6km az=105.4.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=163.5.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.4km az=161.0.
IDC Error ellipse: s-maj=11.0km s-min=8.9km az=5.0.
NNC Error ellipse: s-maj=42.8km s-min=39.5km az=15.0.

ISC	**III**	**26 02 36 57.4–.52**	**36.31N–.05**	**71.59E–.07**	**114**	**3.6b**	**65**	**2-84**
IDC	III	26 02 36 54.6–3.6	36.19N	71.54E	86–32	3.6,3.5b		¶12612759
ISCJB	III	26 02 36 56.8–.35	36.37N–.03	71.68E–.06	114	3.6b,3.5b		
NNC	III	26 02 37 02.0–4.6	36.83N	71.08E	108–56	4.5,3.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=15.1km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.3km az=157.7.
NNC Error ellipse: s-maj=50.2km s-min=26.4km az=50.0.

ISC	**III**	**29 14 05 55.4–3.6**	**37.6N–.20**	**71.5E–.10**	**200**		**12**	**5-14**
NNC	III	29 14 05 57.9–5.7	37.82N	71.56E	231–70	3.6,2.3b		¶13437592

ISC Event type ke.
NNC Error ellipse: s-maj=59.4km s-min=32.1km az=17.0.

ISC	**III**	**30 09 54 14.6–.62**	**36.30N–.05**	**71.15E–.08**	**114**	**3.6b**	**52**	**3-84**
IDC	III	30 09 54 12.5–4.4	36.06N	71.10E	97–38	3.6,3.5		¶12612788
ISCJB	III	30 09 54 14.0–.45	36.32N–.04	71.01E–.07	114	3.5b,3.5		
NNC	III	30 09 54 24.7–3.9	37.00N	71.02E	166–35	4.5,3.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=17.7km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=3.9km az=154.1.
NNC Error ellipse: s-maj=31.1km s-min=16.6km az=8.0.

ISC	**III**	**30 16 38 34.4–.52**	**36.22N–.05**	**71.44E–.06**	**119**	**4.1b**	**95**	**2-84**
MOS	III	30 16 38 24.8–1.4	35.89N	70.97E	33	4.4b		¶13437665
ISCJB	III	30 16 38 33.8–.29	36.29N–.02	71.49E–.05	119	3.9b		
IDC	III	30 16 38 33.4–3.5	36.24N	71.17E	99–31	3.8,3.7		
NNC	III	30 16 38 40.5–4.2	36.83N	71.10E	142–45	4.6,3.6b		

ISC Event type ke.
MOS Error ellipse: s-maj=12.7km s-min=6.2km az=89.5.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.7km az=158.2.
IDC Error ellipse: s-maj=21.0km s-min=13.9km az=26.0.
NNC Error ellipse: s-maj=34.8km s-min=21.6km az=19.0.

ISC	**III**	**31 13 03 03.1–.42**	**36.11N–.04**	**71.05E–.06**	**102**	**3.9b**	**94**	**2-90**
MOS	III	31 13 02 59.5–.95	36.03N	70.84E	81	4.1b		¶12084504
IDC	III	31 13 02 59.8–3.8	36.01N	70.87E	71–33	4.0L,3.8		
ISCJB	III	31 13 03 01.8–.34	36.14N–.03	71.02E–.05	102	3.8b,3.8		
BJI	III	31 13 03 01.4	36.33N	70.67E	100	4.4b,3.9b		
NNC	III	31 13 03 07.0–4.4	36.53N	70.50E	87–57	4.3,3.5b		

ISC Event type ke.
MOS Error ellipse: s-maj=12.7km s-min=5.4km az=82.1.
IDC Error ellipse: s-maj=23.2km s-min=13.4km az=22.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.6km az=157.7.
NNC Error ellipse: s-maj=33.6km s-min=26.3km az=175.0.

ISC	**III**	**31 15 19 13.9–3.9**	**38.5N–.30**	**70.1E–.10**	**27**		**10**	**5-15**
NNC	III	31 15 19 16.6–12	38.90N	70.40E	0	3.4b,3.2		¶13437724

ISC Event type ke.
NNC Error ellipse: s-maj=120.5km s-min=59.4km az=172.0.

ISC	**IV**	**03 13 40 27.3–1.0**	**37.39N–.06**	**71.7E–.10**	**109**		**18**	**4-80**
IDC	IV	03 13 40 23.8–5.4	37.11N	71.97E	193–39	3.6s,3.6		¶12934397
ISCJB	IV	03 13 40 26.0–.68	37.40N–.04	71.4E–.20	109	3.3b,3.6		

ISC Event type ke.
ISCJB Event type ke.

ISC	**IV**	**04 09 06 03.6–.90**	**36.46N–.05**	**71.1E–.10**	**188**	**3.5b**	**37**	**3-81**
IDC	IV	04 09 05 56.4–8.8	35.99N	71.38E	119–56	3.6b,3.5		¶12742007
ISCJB	IV	04 09 06 03.9–.51	36.50N–.03	71.14E–.08	188	3.6b,3.5		
NNC	IV	04 09 06 05.8–10	36.74N	70.64E	138–144	4.0,3.2b		

ISC Event type ke.
IDC Error ellipse: s-maj=71.4km s-min=28.4km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=4.4km az=166.5.
NNC Error ellipse: s-maj=88.0km s-min=53.0km az=7.0.

ISC	**IV**	**05 21 09 35.7–1.8**	**36.9N–.10**	**71.1E–.10**	**188**	**3.4b**	**21**	**6-66**
IDC	IV	05 21 09 29.9–5.5	36.19N	71.54E	196–50	3.0b,2.9		¶13438008
NNC	IV	05 21 09 36.9–6.3	37.38N	70.92E	0	4.0b,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=59.5km s-min=33.7km az=147.0.
NNC Error ellipse: s-maj=48.8km s-min=46.0km az=36.0.

NNC	**IV**	**05 23 42 39.8–3.7**	**37.36N**	**70.58E**	**0**	**3.7b,3.6**		
								¶13438012

NNC Error ellipse: s-maj=31.8km s-min=27.4km az=80.0.

ISC	**IV**	**06 04 50 36.6–.80**	**36.49N–.07**	**71.0E–.10**	**188**	**3.5b**	**36**	**3-84**
IDC	IV	06 04 50 31.6–5.7	36.11N	70.74E	126–50	3.5,3.4		¶12934679
ISCJB	IV	06 04 50 36.7–.68	36.57N–.06	70.90E–.08	188	3.4b,3.4		
NNC	IV	06 04 50 40.5–5.1	36.91N	70.61E	172–45	4.3,3.0b		

ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=18.8km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=7.8km az=18.9.
NNC Error ellipse: s-maj=42.9km s-min=24.9km az=15.0.

ISC	**IV**	**06 18 11 49.8–.34**	**36.31N–.03**	**71.07E–.03**	**103–3**	**4.7b**	**538**	**2-95**
BJI	IV	06 18 11 45.8	36.28N	70.80E	82	4.8b,4.7b		¶12576619
ISCJB	IV	06 18 11 48.0–.34	36.26N–.02	71.14E–.03	101–4	4.6b,4.7b		
MOS	IV	06 18 11 47.9–1.1	36.27N	71.10E	101	4.7b,4.7b		
IDC	IV	06 18 11 49.6–.68	36.19N	71.07E	108–5	4.3,4.3		
NEIC	IV	06 18 11 50.0–.22	36.29N	71.09E	108	4.7b,4.3		
NNC	IV	06 18 11 51.3–4.8	36.63N	70.54E	85–42	5.2,4.5b		
DJA	IV	06 18 11 53.2–1.8	36N–26	71E–8.0	110–15	5.0,4.9		
SZGRF	IV	06 18 12 44.8	41.46N	65.07E	78	4.6b,4.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=154.7.
MOS Error ellipse: s-maj=5.6km s-min=3.6km az=104.3.
IDC Error ellipse: s-maj=11.1km s-min=8.3km az=15.0.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.2km az=181.0. Felt at Kabul and Mazar-e Sharif.
NNC Error ellipse: s-maj=35.9km s-min=31.7km az=151.0.
SZGRF Central Kazakhstan.

ISC	**IV**	**09 15 45 42.1–2.9**	**37.5N–.20**	**71.7E–.10**	**109**	**3.6b**	**25**	**5-80**
NNC	IV	09 15 45 46.9–8.2	37.70N	71.73E	156–92	3.7,2.8b		¶12742134
IDC	IV	09 15 45 48.4–6.9	37.79N	71.83E	185–46	3.3,3.3b		

ISC Event type ke.
NNC Error ellipse: s-maj=74.2km s-min=40.5km az=9.0.
IDC Error ellipse: s-maj=64.2km s-min=32.7km az=3.0.

ISC	**IV**	**10 23 28 27.4–.45**	**37.08N–.04**	**71.97E–.06**	**142**	**3.9b**	**89**	**3-95**
ISCJB	IV	10 23 28 26.4–.25	37.03N–.02	71.96E–.05	142	3.8b		¶13438353
IDC	IV	10 23 28 26.9–2.8	37.04N	71.92E	130–25	3.7,3.6		
NNC	IV	10 23 28 27.7–2.2	37.65N	71.06E	0	4.3,4.1b		
MOS	IV	10 23 28 28.3–1.0	37.14N	71.92E	156	4.1b,4.1b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=167.9.
IDC Error ellipse: s-maj=18.1km s-min=12.6km az=178.0.
NNC Error ellipse: s-maj=17.4km s-min=15.2km az=18.0.
MOS Error ellipse: s-maj=15.3km s-min=9.3km az=97.9.

ISC	**IV**	**11 13 41 39.6–2.4**	**37.2N–.20**	**71.4E–.20**	**188**		**10**	**6-81**
IDC	IV	11 13 41 31.3–8.8	36.61N	71.47E	129–57	3.0,2.9		¶12935029

ISC Event type ke.
IDC Error ellipse: s-maj=75.5km s-min=56.1km az=165.0.

ISC	**IV**	**11 17 49 37.6–2.6**	**38.2N–.20**	**71.2E–.20**	**10**		**9**	**5-40**
IDC	IV	11 17 49 41.3–10	38.48N	71.51E	28–49	3.8b,3.6		¶12935015

ISC Event type ke.
IDC Error ellipse: s-maj=87.7km s-min=38.4km az=168.0.

ISC	**IV**	**13 07 01 10.5–2.0**	**37.1N–.20**	**71.3E–.10**	**68**		**12**	**6-81**
IDC	IV	13 07 01 13.7–8.2	37.18N	71.47E	97–56	3.3,3.2b		¶12935209
NNC	IV	13 07 01 16.8–3.4	37.90N	71.04E	0	3.6b,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=75.3km s-min=54.4km az=151.0.
NNC Error ellipse: s-maj=27.6km s-min=26.0km az=55.0.

ISC	**IV**	**14 11 26 07.7–1.5**	**38.1N–.10**	**71.4E–.10**	**35**	**3.4b**	**17**	**5-80**
IDC	IV	14 11 26 03.3–2.4	38.25N	71.42E	0	3.7,3.7b		¶12935257
ISCJB	IV	14 11 26 05.9–1.1	38.12N–.09	71.4E–.10	33	3.6b,3.7b		
NNC	IV	14 11 26 09.2–2.0	38.46N	71.44E	0	3.5b,3.1		

ISC Event type ke.
IDC Error ellipse: s-maj=53.6km s-min=16.3km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=9.2km az=137.0.
NNC Error ellipse: s-maj=15.7km s-min=11.9km az=177.0.

ISC	**IV**	**15 05 05 50.7–1.0**	**38.64N–.09**	**70.31E–.07**	**23**	**3.8b**	**34**	**4-79**
NNC	IV	15 05 05 43.6–1.4	38.41N	70.27E	0	4.4,4.4b		¶16152806
IDC	IV	15 05 05 45.2–1.6	38.34N	70.57E	0	4.0,3.8		
ISCJB	IV	15 05 05 47.6–.96	38.50N–.08	70.24E–.06	23	3.6b,3.8		

ISC Event type ke.
ISCJB Event type ke.

NNC	**IV**	**15 06 13 55.1–1.8**	**38.62N**	**70.20E**	**0**	**3.7b,3.3**		
								¶13438573

NNC Error ellipse: s-maj=13.4km s-min=12.2km az=36.0.

NNC	**IV**	**15 16 30 32.8–1.2**	**37.25N**	**70.70E**	**0**	**3.6b,3.4**		
								¶13438632

NNC Error ellipse: s-maj=14.2km s-min=9.0km az=76.0.

NNC	**IV**	**16 16 39 54.6–13**	**37.71N**	**71.21E**	**0**	**3.6b,3.3**		
								¶13438694

NNC Error ellipse: s-maj=107.2km s-min=76.8km az=171.0.

ISC	**IV**	**20 05 02 52.8–1.1**	**36.33N–.06**	**71.1E–.10**	**188**		**26**	**3-66**
ISCJB	IV	20 05 02 53.5–.81	36.32N–.04	71.2E–.10	188	3.4b		¶12935771
IDC	IV	20 05 02 56.9–8.2	36.66N	70.88E	107–72	4.0L,3.2		
NNC	IV	20 05 02 57.5–11	36.70N	70.68E	86–287	3.9,3.6b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=5.3km az=169.4.
IDC Error ellipse: s-maj=127.2km s-min=48.0km az=134.0.
NNC Error ellipse: s-maj=94.0km s-min=78.4km az=172.0.

ISC	**IV**	**21 19 04 52.9–.80**	**37.63N–.05**	**71.9E–.10**	**130**	**3.8b**	**36**	**4-80**
IDC	IV	21 19 04 51.7–4.5	37.35N	72.27E	171–34	3.5,3.5		¶12935848
ISCJB	IV	21 19 04 52.8–.52	37.61N–.04	71.83E–.08	130	3.6b,3.5		
NNC	IV	21 19 05 05.4–4.6	38.43N	72.60E	214–33	3.4,2.6b		

ISC Event type ke.

IDC Error ellipse: s-maj=42.8km s-min=30.3km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.2km az=179.0.
NNC Error ellipse: s-maj=43.8km s-min=20.8km az=11.0.
NNC IV 24 06 08 45.4–4.2 38.76N 70.05E 0 3.6b,3.4
¶13546087

NNC Error ellipse: s-maj=32.8km s-min=23.9km az=5.0.
ISC IV 24 18 18 01.7–1.6 38.8N–.10 71.8E–.10 42 3.7b 23 4-79
IDC IV 24 18 17 53.5–1.7 38.46N 72.21E 0 3.7b,3.6 **¶12936069**
NNC IV 24 18 17 55.9–5.4 38.48N 72.16E 0 3.9b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=31.2km s-min=15.4km az=133.0.
NNC Error ellipse: s-maj=48.8km s-min=35.1km az=19.0.
ISC IV 25 10 02 23.8–.76 36.47N–.06 71.70E–.09 114 3.7b 30 3-66
IDC IV 25 10 02 08.8–3.1 35.74N 71.89E 0 3.8,3.7 **¶12936166**
ISCJB IV 25 10 02 23.4–.52 36.47N–.03 71.82E–.08 114 3.6b,3.7
NNC IV 25 10 02 28.9–5.2 36.90N 71.28E 133–77 3.7,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=62.8km s-min=25.6km az=136.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.0km az=167.9.
NNC Error ellipse: s-maj=43.3km s-min=30.0km az=22.0.
ISC IV 27 03 58 01.9–.70 36.34N–.06 71.2E–.10 119 3.6b 31 3-82
IDC IV 27 03 57 57.3–5.5 36.00N 71.07E 73–46 4.0L,3.7 **¶12936319**
ISCJB IV 27 03 58 00.7–.46 36.32N–.03 71.2E–.10 119 3.6b,3.7
NNC IV 27 03 58 07.3–4.3 36.81N 71.04E 140–55 4.2,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=29.2km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=4.8km az=178.5.
NNC Error ellipse: s-maj=36.2km s-min=25.6km az=21.0.
ISC IV 27 10 48 14.6–.59 36.86N–.05 71.62E–.08 106 3.6b 57 3-84
ISCJB IV 27 10 48 13.2–.45 36.83N–.03 71.59E–.08 106 3.6b **¶12936294**
IDC IV 27 10 48 15.2–1.1 36.83N 71.52E 115–7 3.5,3.4
NNC IV 27 10 48 17.7–3.4 37.14N 71.37E 135–38 4.4,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=3.7km az=166.8.
IDC Error ellipse: s-maj=17.5km s-min=16.4km az=108.0.
NNC Error ellipse: s-maj=28.5km s-min=21.1km az=7.0.
ISC IV 27 10 57 28.6–1.6 36.8N–.10 71.2E–.10 188 11 6-82
IDC IV 27 10 57 22.6–8.4 36.22N 71.04E 135–72 3.1,3.1b **¶12936293**
NNC IV 27 10 57 29.6–3.6 36.83N 70.97E 119–67 3.8,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=73.7km s-min=47.7km az=48.0.
NNC Error ellipse: s-maj=29.3km s-min=23.0km az=10.0.
ISC IV 29 04 42 21.5–.34 36.12N–.03 71.16E–.03 99–3 4.5b 390 2-150
ISCJB IV 29 04 42 20.2–.31 36.11N–.02 71.19E–.02 99–3 4.5b **¶13439178**
IDC IV 29 04 42 20.9–2.8 36.10N 71.05E 91–25 4.2,4.1
BJI IV 29 04 42 20.1 36.10N 71.10E 94 4.8b,4.6b
MOS IV 29 04 42 20.6–.94 36.12N 71.12E 103 4.6b,4.6b
TEH IV 29 04 42 21.0 36.05N 71.27E 92 4.5L,4.6b
NEIC IV 29 04 42 21.6–.59 36.13N 71.10E 96–5 4.7b,4.6b
NNC IV 29 04 42 25.2–4.8 36.50N 70.57E 112–50 4.9,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=3.1km az=11.4.
IDC Error ellipse: s-maj=15.1km s-min=9.6km az=0.0.
MOS Error ellipse: s-maj=6.6km s-min=4.3km az=95.3.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.4km az=155.0.
NNC Error ellipse: s-maj=35.9km s-min=26.4km az=18.0.
ISC IV 29 08 40 17.3–1.7 37.1N–.10 71.2E–.10 188 3.5b 21 5-81
IDC IV 29 08 40 05.2–5.9 36.24N 71.32E 75–44 3.8L,3.6 **¶13439180**
ISCJB IV 29 08 40 16.1–1.2 36.95N–.09 71.42E–.08 188 3.4b,3.6
NNC IV 29 08 40 17.6–4.6 37.10N 71.29E 195–42 4.1,2.8b
ISC Event type ke.
IDC Error ellipse: s-maj=52.0km s-min=32.9km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=9.4km az=1.1.
NNC Error ellipse: s-maj=41.2km s-min=25.0km az=26.0.
ISC IV 29 23 17 11.6–3.1 37.7N–.20 71.6E–.10 150 15 5-16
NNC IV 29 23 17 15.1–3.0 37.93N 71.65E 161–60 3.6,2.6b **¶13439201**
ISC Event type ke.
NNC Error ellipse: s-maj=33.6km s-min=17.6km az=26.0.
NNC IV 30 00 42 12.3–4.2 38.60N 71.01E 19–21 3.6b,3.2
¶13584042

NNC Error ellipse: s-maj=35.2km s-min=23.9km az=15.0.
ISC V 01 11 25 58.0–.52 36.76N–.05 71.77E–.07 142 3.9b 63 3-84
ISCJB V 01 11 25 56.7–.32 36.66N–.03 71.55E–.06 142 3.9b **¶13439249**
IDC V 01 11 25 58.6–.89 36.56N 71.54E 155–7 3.8,3.6
NNC V 01 11 26 08.1–4.1 37.42N 71.68E 185–33 4.3,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=3.0km az=159.1.
IDC Error ellipse: s-maj=14.4km s-min=11.3km az=44.0.
NNC Error ellipse: s-maj=35.3km s-min=23.8km az=18.0.
IDC V 01 22 27 09.6–7.0 37.08N 70.08E 213–49 2.8b,2.7
¶13546484

IDC Error ellipse: s-maj=146.3km s-min=35.0km az=139.0.
NNC V 02 06 01 50.5–5.3 36.91N 71.22E 0 3.6b,3.4
¶13546494

NNC Error ellipse: s-maj=43.5km s-min=34.4km az=168.0.
IDC V 02 07 26 35.6–7.0 36.33N 71.47E 86–51 3.6L,3.2
¶13546497

IDC Error ellipse: s-maj=74.6km s-min=39.1km az=135.0.
ISC V 02 11 47 03.9–.96 36.71N–.05 71.8E–.10 124 3.4b 38 3-82
IDC V 02 11 46 59.0–4.6 36.33N 71.27E 125–39 3.4,3.3 **¶13439277**
ISCJB V 02 11 47 04.6–.68 36.69N–.03 71.90E–.10 124 3.4b,3.3
ISC Event type ke.
ISCJB Event type ke.
NNC V 02 22 39 43.4–8.5 38.27N 70.39E 0 3.7b,3.5
¶13546527

NNC Error ellipse: s-maj=66.8km s-min=43.9km az=3.0.
ISC V 03 12 55 31.1–3.6 36.9N–.30 71.0E–.20 204 9 6-15
NNC V 03 12 55 31.2–6.5 37.27N 70.64E 0 4.0b,3.8 **¶13546547**
ISC Event type ke.
NNC Error ellipse: s-maj=110.0km s-min=50.7km az=81.0.
ISC V 05 17 26 24.0–.55 37.17N–.03 71.89E–.06 142 3.6b 77 3-84
IDC V 05 17 26 23.9–4.1 37.06N 71.67E 107–37 3.6,3.4 **¶12754318**
BJI V 05 17 26 23.0 37.26N 71.21E 207 4.7b,4.5b
NEIC V 05 17 26 24.6–.93 37.33N 71.07E 233–19 4.3b,4.5b
ISCJB V 05 17 26 24.6–.36 37.18N–.02 71.93E–.06 142 3.9b,4.5b
NNC V 05 17 26 32.2–2.0 37.72N 71.64E 178–17 4.5,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=20.3km az=27.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=12.6km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=2.9km az=168.6.
NNC Error ellipse: s-maj=17.8km s-min=10.1km az=17.0.
ISC V 06 02 15 27.9–1.7 37.1N–.10 71.2E–.10 188 14 6-66
IDC V 06 02 15 18.2–6.7 36.40N 71.45E 104–59 3.3,3.3b **¶13550141**
NNC V 06 02 15 22.9–6.7 36.81N 71.00E 109–111 3.7,3.0b
ISCJB V 06 02 15 26.8–1.4 36.97N–.09 71.3E–.10 188 3.6b,3.0b
ISC Event type ke.
ISCJB Event type ke.
ISC V 07 22 59 05.7–3.9 36.8N–.20 71.3E–.20 106 14 6-66
IDC V 07 22 59 04.9–7.0 36.73N 71.12E 175–59 3.6s,3.6 **¶13550243**
ISC Event type ke.
IDC Error ellipse: s-maj=95.5km s-min=42.4km az=139.0.
ISC V 08 15 08 25.6–.67 36.52N–.06 71.17E–.08 188 3.5b 44 3-84
IDC V 08 15 08 19.9–4.4 36.30N 70.94E 107–37 3.5,3.5b **¶13439419**
ISCJB V 08 15 08 25.3–.43 36.46N–.04 71.07E–.07 188 3.5b,3.5b
NNC V 08 15 08 28.6–3.5 36.84N 70.66E 167–38 3.7,2.8b
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=17.6km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=3.9km az=152.5.
NNC Error ellipse: s-maj=29.7km s-min=17.7km az=29.0.
ISC V 09 01 36 44.5–.93 37.11N–.06 71.43E–.10 106 26 5-66
ISCJB V 09 01 36 44.2–.63 37.03N–.04 71.50E–.09 106 3.2b **¶13553062**

IDC V 09 01 36 47.8–7.6 37.48N 70.95E 99–69 3.5L,3.1
NNC V 09 01 36 50.5–3.6 37.44N 71.36E 109–64 3.7,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.1km az=160.5.
IDC Error ellipse: s-maj=126.4km s-min=47.8km az=132.0.
NNC Error ellipse: s-maj=30.6km s-min=22.2km az=16.0.
ISC V 10 16 50 43.1–2.0 37.7N–.20 71.7E–.10 100 3.8b 18 5-80
IDC V 10 16 50 46.7–7.9 37.82N 71.88E 129–50 3.4,3.4b **¶13439480**
NNC V 10 16 50 50.4–4.4 38.40N 72.12E 221–38 3.6,2.4b
ISC Event type ke.
IDC Error ellipse: s-maj=70.6km s-min=37.7km az=173.0.
NNC Error ellipse: s-maj=43.3km s-min=21.0km az=11.0.
ISC V 11 07 07 49.6–.65 36.42N–.06 71.60E–.08 114 3.8b 48 3-81
IDC V 11 07 07 44.7–6.2 35.93N 71.62E 90–43 3.6,3.5 **¶13439495**
ISCJB V 11 07 07 48.9–.46 36.40N–.03 71.65E–.07 114 3.7b,3.5
NNC V 11 07 07 54.2–5.2 36.84N 70.93E 112–57 4.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=62.6km s-min=28.1km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=3.6km az=160.1.
NNC Error ellipse: s-maj=52.7km s-min=26.2km az=38.0.
ISC V 13 21 54 27.9–.71 36.16N–.05 71.57E–.09 119 3.5b 37 2-82
ISCJB V 13 21 54 26.9–.51 36.06N–.03 71.39E–.09 119 3.5b **¶13439568**
IDC V 13 21 54 32.3–8.8 36.33N 71.21E 136–57 3.3,3.3b
NNC V 13 21 54 36.8–3.8 36.84N 71.62E 224–31 4.0,2.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=3.8km az=168.8.
IDC Error ellipse: s-maj=71.2km s-min=35.8km az=10.0.
NNC Error ellipse: s-maj=34.5km s-min=23.5km az=29.0.
ISC V 15 04 41 27.1–3.0 36.9N–.20 71.1E–.10 204 14 6-16
NNC V 15 04 41 26.1–5.6 36.81N 71.06E 192–54 3.5,2.5b **¶13584137**
ISC Event type ke.
NNC Error ellipse: s-maj=48.7km s-min=35.8km az=33.0.
ISC V 15 23 10 16.6–1.5 36.9N–.10 71.1E–.10 88 3.6b 27 6-66
IDC V 15 23 10 13.7–5.8 36.53N 71.40E 76–53 3.6L,3.4 **¶13584216**
ISCJB V 15 23 10 16.0–1.1 36.90N–.07 71.03E–.08 88 3.5b,3.4
NNC V 15 23 10 20.0–2.0 37.06N 71.12E 168–21 3.8,2.6b
ISC Event type ke.
IDC Error ellipse: s-maj=57.7km s-min=37.9km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=8.6km az=159.6.
NNC Error ellipse: s-maj=17.3km s-min=10.0km az=26.0.
ISC V 17 11 57 58.3–.27 36.64N–.03 71.08E–.03 232–2 4.6b 617 3-150
SZGRF V 17 11 57 36.2 36.98N 72.00E 33 4.9b **¶13184013**
BJI V 17 11 57 56.8 36.75N 70.93E 233 4.8b,4.7b
ISCJB V 17 11 57 56.5–.23 36.62N–.02 71.03E–.02 227–2 4.5b,4.7b
MOS V 17 11 57 57.5–.83 36.66N 71.04E 235 4.6b,4.7b
DJA V 17 11 57 58.0–.50 37N–7.0 71E–6.0 228–6 4.8,4.8b
IDC V 17 11 57 58.9–.48 36.57N 71.10E 241–4 4.4,4.3
NEIC V 17 11 57 58.9–.18 36.64N 71.05E 238 4.6b,4.3
NNC V 17 11 58 05.3–4.6 37.28N 71.18E 238–39 5.3,4.1b
ISC Event type fe.
SZGRF Afghanistan-Tajikistan border region.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.5km az=149.9.
MOS Error ellipse: s-maj=5.3km s-min=3.6km az=107.7.
IDC Error ellipse: s-maj=9.0km s-min=6.6km az=4.0.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.5km az=186.0. Felt at Kabul.
NNC Error ellipse: s-maj=42.5km s-min=21.7km az=4.0.
ISC V 18 03 34 01.5–.63 37.07N–.06 71.97E–.08 142 3.6b 47 3-67
ISCJB V 18 03 34 00.8–.43 37.05N–.04 71.85E–.07 142 3.4b **¶13439678**
NNC V 18 03 34 00.3–11 37.32N 70.79E 0 3.9b,3.8
IDC V 18 03 34 02.3–4.9 37.12N 72.09E 151–42 3.3,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=3.7km az=154.0.
NNC Error ellipse: s-maj=93.8km s-min=67.8km az=166.0.
IDC Error ellipse: s-maj=50.7km s-min=33.0km az=136.0.
NNC V 19 15 44 40.9–4.1 37.26N 71.21E 197–42 3.4,2.3b
¶13065875

NNC Error ellipse: s-maj=37.1km s-min=25.2km az=26.0.
NNC V 21 22 38 37.2–2.6 37.17N 70.20E 0 3.5b,3.3
¶13598437

NNC Error ellipse: s-maj=21.9km s-min=20.0km az=99.0.
ISC V 22 19 32 02.2–.66 36.54N–.05 71.13E–.08 188 3.7b 53 3-81
NNC V 22 19 31 56.5–9.2 36.80N 70.35E 0 4.3,3.9b **¶13469825**
IDC V 22 19 31 58.4–4.8 36.24N 70.88E 157–39 3.4,3.4b
ISCJB V 22 19 32 01.1–.41 36.53N–.03 70.98E–.07 188 3.7b,3.4b
ISC Event type ke.
ISCJB Event type ke.
ISC V 22 20 48 39.5–1.0 37.12N–.07 71.8E–.10 150 30 5-17
ISCJB V 22 20 48 40.3–.76 37.16N–.04 72.0E–.10 150 **¶13469826**
NNC V 22 20 48 45.7–2.6 37.57N 71.71E 136–34 4.1,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=4.2km az=161.0.
NNC Error ellipse: s-maj=22.3km s-min=14.4km az=7.0.
ISC V 23 09 22 09.6–1.1 36.96N–.06 71.1E–.20 64 3.5b 8 3-66
IDC V 23 09 21 52.2–3.6 36.39N 70.58E 0 3.6,3.6b **¶13598511**
NNC V 23 09 22 15.9–4.8 37.63N 71.40E 0 3.4b,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=80.9km s-min=32.1km az=140.0.
NNC Error ellipse: s-maj=37.0km s-min=34.8km az=176.0.
NNC V 24 18 12 09.1–11 36.99N 71.38E 157–220 3.6,2.7b
¶13598597

NNC Error ellipse: s-maj=109.0km s-min=61.3km az=11.0.
ISC V 24 19 12 26.3–2.3 37.6N–.20 71.4E–.10 109 14 6-40
NNC V 24 19 12 28.1–3.4 37.63N 71.40E 131–53 3.1,2.4b **¶13598602**
IDC V 24 19 12 31.0–8.6 37.67N 71.95E 149–62 3.2b,3.0
ISC Event type ke.
NNC Error ellipse: s-maj=28.9km s-min=16.5km az=13.0.
IDC Error ellipse: s-maj=74.3km s-min=70.2km az=149.0.
ISC V 25 02 12 17.7–3.7 37.2N–.20 71.5E–.10 50 13 5-16
NNC V 25 02 12 26.8–5.5 37.78N 72.05E 206–63 3.5,2.4b **¶13598619**
ISC Event type ke.
NNC Error ellipse: s-maj=76.6km s-min=26.5km az=37.0.
ISC V 25 15 18 57.4–.43 38.86N–.04 70.62E–.03 41–4 4.5b,3.9s 319 4-150
IDC V 25 15 18 51.0–.50 38.68N 70.63E 0 4.4,4.3L **¶12863052**
NNC V 25 15 18 50.9–1.4 38.65N 70.22E 0 5.0,4.8b
TEH V 25 15 18 53.9 38.99N 70.72E 10 4.6L,4.8b
BJI V 25 15 18 54.9 39.01N 70.52E 39 4.8b,4.6b
ISCJB V 25 15 18 55.6–.48 38.75N–.02 70.59E–.03 42–5 4.4b,3.9s
MOS V 25 15 18 58.0–.97 38.86N 70.64E 63 4.9b,3.9s
NEIC V 25 15 18 58.9–.70 38.86N 70.65E 56–6 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=9.2km az=160.0.
NNC Error ellipse: s-maj=10.9km s-min=8.4km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.6km az=26.8.
MOS Error ellipse: s-maj=5.7km s-min=4.5km az=85.1.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=182.0.
ISC V 26 22 26 17.9–1.9 38.8N–.10 71.57E–.09 34 22 4-79
IDC V 26 22 26 12.0–3.1 38.70N 72.07E 0 3.7b,3.5 **¶13653524**
NNC V 26 22 26 18.6–5.6 39.05N 71.59E 0 3.4b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=40.3km s-min=23.0km az=179.0.
NNC Error ellipse: s-maj=45.3km s-min=27.6km az=0.0.
NNC V 27 11 44 53.8–6.5 37.45N 70.06E 0 3.9b,3.8
¶13653582

NNC Error ellipse: s-maj=50.4km s-min=47.6km az=179.0.
ISC V 28 06 04 57.9–1.1 36.5N–.10 71.1E–.10 188 3.6b 30 6-82
ISCJB V 28 06 04 56.2–.93 36.35N–.10 71.1E–.10 188 3.6b **¶13439803**
IDC V 28 06 04 58.3–3.6 36.37N 71.19E 199–31 3.4s,3.4
NNC V 28 06 05 06.7–1.8 37.08N 71.19E 219–22 3.6,2.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=9.7km az=136.9.
IDC Error ellipse: s-maj=26.5km s-min=19.3km az=20.0.

NNC Error ellipse: s-maj=18.2km s-min=9.3km az=14.0.
ISC V 28 11 13 15.8–.83 36.71N–.06 71.2E–.10 114 15 3-81
ISCJB V 28 11 13 15.5–.89 36.75N–.04 71.3E–.20 114 3.3b ¶13653650
NNC V 28 11 13 20.0–4.5 37.21N 71.46E 0 3.8b,3.7
IDC V 28 11 13 19.6–6.9 37.00N 70.99E 159–45 3.8s,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.8km s-min=5.2km az=2.1.
NNC Error ellipse: s-maj=37.7km s-min=32.7km az=168.0.
IDC Error ellipse: s-maj=122.5km s-min=32.7km az=139.0.
ISC V 28 21 21 56.5–1.8 39.0N–.10 71.53E–.09 10 19 4-79
ISCJB V 28 21 21 54.4–1.2 39.03N–.09 71.4E–.10 10 3.4b ¶13653667
IDC V 28 21 21 55.7–2.9 39.40N 71.24E 0 3.5,3.4
NNC V 28 21 21 58.3–2.6 39.25N 71.63E 2–9 3.6b,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=10.6km az=150.3.
IDC Error ellipse: s-maj=106.6km s-min=15.5km az=141.0.
NNC Error ellipse: s-maj=20.3km s-min=12.0km az=10.0.
ISC V 30 00 42 07.5–3.7 36.8N–.20 71.1E–.10 88 12 6-17
NNC V 30 00 42 13.4–4.8 37.17N 71.24E 183–63 3.4,2.5b ¶13659404
ISC Event type ke.
NNC Error ellipse: s-maj=46.1km s-min=23.1km az=8.0.
ISC V 31 05 27 14.2–2.6 37.6N–.20 68.9E–.10 27 19 6-80
IDC V 31 05 27 06.2–4.4 36.79N 69.80E 0 3.8,3.7 ¶13659459
NNC V 31 05 27 15.8–6.2 37.95N 69.32E 0 4.0b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=61.6km s-min=33.7km az=170.0.
NNC Error ellipse: s-maj=61.3km s-min=31.1km az=12.0.
ISC V 31 14 43 00.4–3.7 38.2N–.20 71.5E–.10 113 11 4-16
NNC V 31 14 43 01.2–8.1 38.16N 72.09E 242–68 3.4,2.3b ¶13659488
ISC Event type ke.
NNC Error ellipse: s-maj=77.4km s-min=43.2km az=9.0.
NNC V 31 17 34 37.0–4.1 37.33N 70.83E 0 3.5b,3.3
¶13659499

NNC Error ellipse: s-maj=69.0km s-min=32.0km az=79.0.
ISC VI 02 05 43 59.3–.62 36.23N–.06 71.47E–.08 119 3.9b 58 5-82
IDC VI 02 05 43 54.2–4.2 36.04N 71.20E 58–38 3.9L,3.8 ¶13439875
ISCJB VI 02 05 43 57.6–.44 36.24N–.03 71.52E–.07 119 3.7b,3.8
NNC VI 02 05 44 02.1–2.6 36.64N 70.85E 112–29 4.4,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=22.4km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=3.2km az=156.4.
NNC Error ellipse: s-maj=19.4km s-min=12.5km az=12.0.
NNC VI 03 06 40 56.0–4.9 37.04N 69.00E 0 3.7b,3.3
¶13680282

NNC Error ellipse: s-maj=41.3km s-min=37.8km az=115.0.
ISC VI 04 08 05 53.6–5.2 37.6N–.40 68.7E–.20 10 8 6-64
IDC VI 04 08 05 58.2–2.1 37.96N 69.15E 0 3.4,3.4 ¶13680400
NNC VI 04 08 06 04.7–7.8 38.67N 68.21E 0 3.7b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=17.3km az=147.0.
NNC Error ellipse: s-maj=75.5km s-min=42.9km az=4.0.
ISC VI 04 23 29 28.2–.40 37.03N–.04 71.35E–.05 106 4.1b 162 3-95
IDC VI 04 23 29 20.6–4.6 36.76N 71.28E 33–34 4.4L,4.1 ¶13469906
ISCJB VI 04 23 29 26.8–.22 36.99N–.02 71.42E–.04 106 4.1b,4.1
MOS VI 04 23 29 27.0–.91 37.06N 71.27E 99 4.2b,4.1
NEIC VI 04 23 29 27.5–1.1 37.08N 71.23E 91–10 4.3b,4.1
BJI VI 04 23 29 29.7 37.09N 71.37E 104 4.7b,4.4b
NNC VI 04 23 29 31.5–5.6 37.42N 71.13E 144–59 4.8,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=13.5km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.7km az=163.9.
MOS Error ellipse: s-maj=11.9km s-min=5.1km az=77.7.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.0km az=142.0.
NNC Error ellipse: s-maj=48.5km s-min=28.4km az=8.0.
ISC VI 05 03 03 09.4–3.8 37.1N–.30 71.4E–.20 188 10 5-16
NNC VI 05 03 03 01.4–6.0 36.92N 70.79E 0 3.8b,3.6 ¶13680503
ISC Event type ke.
NNC Error ellipse: s-maj=64.4km s-min=52.8km az=69.0.
ISC VI 05 23 45 11.5–1.9 37.4N–.10 69.0E–.10 27 15 6-64
IDC VI 05 23 45 03.3–2.4 36.75N 69.66E 0 3.5,3.5 ¶13680531
NNC VI 05 23 45 19.2–4.5 38.00N 69.12E 20–18 3.7b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=52.0km s-min=19.5km az=140.0.
NNC Error ellipse: s-maj=29.8km s-min=15.4km az=20.0.
ISC VI 06 13 08 23.6–.82 37.24N–.06 71.37E–.09 106 38 3-66
IDC VI 06 13 08 13.3–3.8 37.00N 71.28E 0 3.8,3.7 ¶13469922
ISCJB VI 06 13 08 23.5–.66 37.13N–.04 71.51E–.10 106 3.5b,3.7
NNC VI 06 13 08 31.7–4.0 37.73N 71.33E 193–41 3.9,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=99.8km s-min=27.4km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=4.5km az=165.2.
NNC Error ellipse: s-maj=37.8km s-min=19.4km az=20.0.
ISC VI 07 11 16 21.8–.66 36.47N–.05 71.48E–.09 114 3.7b 38 3-82
IDC VI 07 11 16 17.6–6.0 36.24N 71.24E 65–54 3.6L,3.5 ¶13680731
ISCJB VI 07 11 16 21.0–.42 36.48N–.03 71.38E–.09 114 3.6b,3.5
NNC VI 07 11 16 27.4–4.7 36.95N 71.05E 134–54 4.3,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=26.3km az=27.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.6km az=1.6.
NNC Error ellipse: s-maj=38.3km s-min=24.7km az=22.0.
NNC VI 07 14 17 29.8–5.1 37.32N 70.42E 0 3.8b,3.6
¶13680738

NNC Error ellipse: s-maj=47.5km s-min=39.4km az=100.0.
ISC VI 07 15 51 17.5–.69 36.48N–.05 71.52E–.09 114 3.8b 51 3-66
IDC VI 07 15 51 10.3–7.3 35.96N 71.61E 80–67 4.0s,4.0 ¶13439973
ISCJB VI 07 15 51 16.1–.41 36.46N–.03 71.45E–.07 114 3.7b,4.0
NNC VI 07 15 51 26.5–4.4 37.11N 71.21E 187–36 4.4,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=56.6km s-min=36.2km az=137.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=3.8km az=165.8.
NNC Error ellipse: s-maj=38.6km s-min=23.6km az=24.0.
ISC VI 08 02 18 46.2–3.8 36.8N–.20 71.0E–.10 88 10 6-15
NNC VI 08 02 18 50.9–22 37.17N 70.82E 131–420 3.6,2.9b ¶13680819
ISC Event type ke.
NNC Error ellipse: s-maj=221.3km s-min=125.9km az=172.0.
ISC VI 08 15 54 24.1–.51 36.92N–.04 71.52E–.07 106 4.0b 90 3-84
MOS VI 08 15 54 21.1–1.6 36.83N 71.49E 91 4.1b ¶13680847
ISCJB VI 08 15 54 22.6–.36 36.93N–.02 71.59E–.06 106 4.0b
IDC VI 08 15 54 24.1–1.1 36.94N 71.55E 109–8 3.8,3.7
NNC VI 08 15 54 26.7–2.6 37.21N 71.29E 146–26 4.5,3.5b
BJI VI 08 15 54 36.4 37.50N 71.30E 250 4.4b,4.2b
ISC Event type ke.
MOS Error ellipse: s-maj=17.5km s-min=7.8km az=84.4.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=2.8km az=164.4.
IDC Error ellipse: s-maj=16.1km s-min=15.9km az=63.0.
NNC Error ellipse: s-maj=22.0km s-min=13.6km az=8.0.
NNC VI 13 09 26 00.7–26 37.04N 71.21E 223–451 3.5,2.5b
¶13762586

NNC Error ellipse: s-maj=287.5km s-min=127.2km az=4.0.
ISC VI 13 14 13 33.0–1.1 37.04N–.09 69.02E–.10 10 3.6b 21 6-86
IDC VI 13 14 13 30.9–.97 36.82N 69.32E 0 3.7,3.6 ¶13681287
ISCJB VI 13 14 13 31.6–.86 37.12N–.06 68.99E–.08 10 3.5b,2.9s
NNC VI 13 14 13 35.3–2.4 37.18N 68.98E 12–11 3.9b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=15.4km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=9.2km az=177.8.
NNC Error ellipse: s-maj=17.3km s-min=13.6km az=178.0.
ISC VI 16 13 22 46.7–.81 36.87N–.06 71.1E–.10 150 22 3-82
IDC VI 16 13 22 46.0–6.3 36.55N 71.32E 172–61 3.3,3.2 ¶13681489
ISCJB VI 16 13 22 46.9–.55 36.86N–.04 71.3E–.10 150 3.2b,3.2
NNC VI 16 13 22 54.8–8.1 37.33N 71.30E 190–60 3.8,3.0b

ISC Event type ke.
IDC Error ellipse: s-maj=48.3km s-min=26.9km az=9.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=4.9km az=171.9.
NNC Error ellipse: s-maj=80.3km s-min=40.9km az=32.0.
ISC VI 17 06 07 46.0–.65 36.91N–.06 71.81E–.09 142 3.5b 48 3-82
ISCJB VI 17 06 07 46.0–.49 36.91N–.03 71.81E–.08 142 3.5b ¶13681518
IDC VI 17 06 07 45.9–4.5 36.87N 71.81E 130–37 3.5,3.4
NNC VI 17 06 07 51.7–11 37.33N 71.37E 100–211 3.9,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=3.5km az=158.6.
IDC Error ellipse: s-maj=32.1km s-min=21.2km az=16.0.
NNC Error ellipse: s-maj=92.9km s-min=65.8km az=7.0.
ISC VI 18 09 41 41.9–.68 37.01N–.05 71.45E–.09 106 3.3b 39 3-84
IDC VI 18 09 41 38.7–6.1 36.72N 71.49E 81–54 4.1L,3.6 ¶13681588
ISCJB VI 18 09 41 40.5–.43 37.02N–.03 71.37E–.08 106 3.4b,3.6
NNC VI 18 09 41 45.4–1.1 37.26N 71.36E 153–11 4.3,3.4b
NDI VI 18 09 43 54.2–2.2 32.09N 75.66E 10 2.5L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=46.7km s-min=24.4km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.0km az=178.2.
NNC Error ellipse: s-maj=9.0km s-min=5.4km az=10.0.
NDI Error ellipse: s-maj=4.5km s-min=14.7km az=-1.0.
ISC VI 19 14 00 01.4–.73 36.49N–.05 71.1E–.10 114 3.5b 36 3-84
ISCJB VI 19 13 59 59.0–.55 36.36N–.04 70.98E–.08 114 3.6b ¶13681662
IDC VI 19 14 00 00.4–4.7 36.28N 71.13E 125–40 3.5,3.4
NNC VI 19 14 00 08.1–1.8 36.86N 70.83E 161–19 4.5,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.7km az=160.5.
IDC Error ellipse: s-maj=31.3km s-min=18.7km az=30.0.
NNC Error ellipse: s-maj=15.6km s-min=11.8km az=19.0.
ISC VI 21 10 57 35.2–.66 36.40N–.05 71.58E–.08 114 3.9b 38 3-81
IDC VI 21 10 57 28.8–6.0 35.90N 71.61E 75–48 4.1,4.1s ¶13383530
ISCJB VI 21 10 57 34.5–.44 36.44N–.03 71.57E–.07 114 3.8b,4.1s
NNC VI 21 10 57 40.0–3.5 36.92N 70.96E 185–36 4.1,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=57.6km s-min=35.1km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.1km az=167.3.
NNC Error ellipse: s-maj=30.8km s-min=21.7km az=32.0.
ISC VI 21 11 57 33.4–.86 37.12N–.07 71.03E–.08 88 3.6b 40 5-85
IDC VI 21 11 57 33.2–5.1 36.81N 71.47E 113–46 3.5,3.4 ¶13681775
NNC VI 21 11 57 36.5–3.2 37.29N 71.04E 142–32 4.0,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=18.5km az=21.0.
NNC Error ellipse: s-maj=26.0km s-min=13.7km az=13.0.
NNC VI 22 15 34 13.2–3.8 37.45N 71.09E 133–65 3.6,3.1b
¶13841200

NNC Error ellipse: s-maj=50.5km s-min=21.7km az=46.0.
ISC VI 23 04 28 53.2–1.0 37.12N–.07 71.2E–.10 10 16 3-17
NNC VI 23 04 29 07.1–3.9 37.89N 70.73E 0 4.4b,4.0 ¶13441385
ISC Event type ke.
NNC Error ellipse: s-maj=32.6km s-min=26.4km az=131.0.
ISC VI 23 10 01 50.3–1.1 38.0N–.10 69.4E–.10 27 3.7b 15 5-84
NNC VI 23 10 01 33.8–6.7 36.84N 69.86E 0 4.1b,3.9 ¶13681893
IDC VI 23 10 01 46.5–1.2 38.10N 69.43E 0 3.7,3.6b
ISCJB VI 23 10 01 49.0–1.1 38.0N–.10 69.3E–.10 27 3.5b,3.6b
ISC Event type ke.
ISCJB Event type ke.
ISC VI 25 04 30 14.4–.66 36.21N–.06 71.55E–.08 119 3.8b 48 2-82
NDI VI 25 04 30 06.2–2.0 29.64N 70.27E 10 4.7L ¶13584555
IDC VI 25 04 30 10.1–5.5 35.87N 71.16E 76–44 4.0L,3.7
ISCJB VI 25 04 30 13.8–.48 36.17N–.03 71.53E–.08 119 3.7b,3.7
NNC VI 25 04 30 24.9–2.5 37.04N 71.31E 208–20 3.8,2.9b
ISC Event type ke.
NDI Error ellipse: s-maj=16.4km s-min=17.2km az=-1.0.
IDC Error ellipse: s-maj=43.9km s-min=24.7km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.8km az=164.4.
NNC Error ellipse: s-maj=22.5km s-min=13.7km az=24.0.
NNC VI 25 05 38 01.4–9.9 37.93N 71.44E 214–128 3.5,2.4b
¶13841386

NNC Error ellipse: s-maj=100.7km s-min=49.7km az=10.0.
NNC VI 25 22 59 28.3–3.2 37.23N 69.80E 0 3.7b,3.4
¶13841445

NNC Error ellipse: s-maj=25.1km s-min=18.0km az=178.0.
ISC VI 26 01 31 36.1–.70 36.82N–.06 72.27E–.09 142 3.5b 53 5-84
IDC VI 26 01 31 32.6–4.8 36.73N 71.80E 79–42 3.9L,3.6 ¶13279140
ISCJB VI 26 01 31 35.4–.49 36.85N–.03 72.26E–.08 142 3.5b,3.6
NNC VI 26 01 31 41.1–2.7 37.42N 71.53E 158–25 3.8,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=18.9km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=3.4km az=162.4.
NNC Error ellipse: s-maj=23.8km s-min=13.5km az=7.0.
ISC VI 26 02 18 30.9–1.3 37.8N–.10 71.41E–.08 10 3.5b 21 4-73
IDC VI 26 02 18 28.9–2.0 37.71N 71.80E 0 3.7,3.6 ¶13682040
NNC VI 26 02 18 33.8–2.5 38.14N 71.06E 10–11 3.8b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=37.4km s-min=17.6km az=135.0.
NNC Error ellipse: s-maj=18.2km s-min=13.3km az=9.0.
ISC VI 26 03 20 38.5–1.8 36.2N–.10 71.4E–.20 99 3.6b 11 7-66
IDC VI 26 03 20 33.1–10 35.68N 71.76E 78–104 3.5,3.5b ¶13682041
ISCJB VI 26 03 20 37.8–1.3 36.28N–.09 71.3E–.10 99 3.8b,3.5b
NNC VI 26 03 20 44.5–7.7 36.56N 70.52E 34–262 3.8b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=72.1km s-min=54.9km az=129.0.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=12.3km az=11.4.
NNC Error ellipse: s-maj=168.0km s-min=45.3km az=127.0.
ISC VI 27 19 46 15.9–.77 37.26N–.05 71.6E–.10 109 3.8b 34 3-44
ISCJB VI 27 19 46 14.9–.46 37.26N–.03 71.60E–.10 109 3.8b ¶13682155
NNC VI 27 19 46 16.7–8.9 37.36N 71.24E 104–110 3.8,3.4b
IDC VI 27 19 46 17.4–8.0 37.33N 71.78E 119–56 3.5,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.5km az=4.5.
NNC Error ellipse: s-maj=69.2km s-min=44.1km az=3.0.
IDC Error ellipse: s-maj=69.5km s-min=45.2km az=167.0.
NNC VI 28 00 47 51.4–4.3 37.49N 70.08E 0 3.6b,3.4
¶13841623

NNC Error ellipse: s-maj=67.6km s-min=36.3km az=86.0.
ISC VI 29 09 23 23.5–.65 37.01N–.05 70.95E–.08 35 3.8b 47 3-85
IDC VI 29 09 23 18.0–.88 36.88N 71.37E 0 4.1,4.0L ¶13383596
ISCJB VI 29 09 23 21.3–.43 36.95N–.03 71.21E–.07 35 3.6b,3.2s
NNC VI 29 09 23 22.6–2.9 36.93N 70.65E 61–44 4.2,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=15.7km az=112.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.2km az=160.4.
NNC Error ellipse: s-maj=20.9km s-min=16.4km az=22.0.
ISC VI 30 04 51 40.7–.53 36.58N–.05 71.46E–.06 114 3.8b 92 3-84
IDC VI 30 04 51 25.4–.92 36.05N 71.32E 0 4.7s,4.7 ¶13307369
ISCJB VI 30 04 51 40.4–.32 36.56N–.02 71.55E–.05 114 3.8b,4.7
NEIC VI 30 04 51 41.9–1.0 36.53N 71.42E 129–9 4.4b,4.7
NNC VI 30 04 51 47.7–3.7 37.01N 71.21E 112–41 4.4,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=19.4km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.0km az=164.7.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=10.6km az=127.0.
NNC Error ellipse: s-maj=29.6km s-min=21.0km az=6.0.

(718) Hindu Kush region.

ISC I 02 21 56 39.9–2.3 36.5N–.20 70.0E–.30 213 15 7-31
ISCJB I 02 21 56 38.8–1.5 36.5N–.10 70.0E–.20 213 2.7b ¶12079855
IDC I 02 21 56 41.3–18 36.67N 70.10E 197–136 3.5,3.3s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.6km s-min=7.9km az=151.1.

IDC Error ellipse: s-maj=154.5km s-min=44.2km az=14.0.
ISC I 02 23 16 39.7–.99 36.21N–.07 70.8E–.10 204 30 3-82
IDC I 02 23 16 23.4–1.3 35.69N 70.58E 0 3.9b,3.9 **¶12079858**
ISCJB I 02 23 16 39.4–.64 36.22N–.04 70.8E–.10 204 3.2b,3.9
NNC I 02 23 16 40.6–8.9 36.84N 70.29E 0 4.4b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=24.0km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=5.1km az=163.0.
NNC Error ellipse: s-maj=88.0km s-min=71.9km az=58.0.
ISC I 03 12 49 42.1–.65 36.54N–.05 70.87E–.08 188 3.4b 50 2-84
ISCJB I 03 12 49 41.4–.41 36.57N–.03 70.91E–.07 188 3.4b **¶12079904**
NEIC I 03 12 49 42.7–.75 36.54N 70.98E 181–10 4.3b
NNC I 03 12 49 44.7–4.0 37.29N 70.38E 0 3.9b,3.6
IDC I 03 12 49 49.5–6.8 36.68N 71.20E 254–67 3.1b,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.2km az=163.6.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.3km az=59.0.
NNC Error ellipse: s-maj=32.2km s-min=31.0km az=106.0.
IDC Error ellipse: s-maj=38.0km s-min=18.6km az=15.0.
ISC I 03 18 34 56.5–.75 36.51N–.06 70.42E–.10 204 3.5b 29 3-65
IDC I 03 18 34 47.8–9.6 36.21N 70.12E 129–85 3.3b,3.2 **¶12079921**
NNC I 03 18 34 54.5–9.2 37.05N 70.27E 0 3.8b,3.8
ISCJB I 03 18 34 55.5–.59 36.53N–.04 70.47E–.10 204 3.4b,3.8
ISC Event type ke.
ISCJB Event type ke.
ISC I 03 20 23 20.4–.17 36.46N–.03 70.74E–.02 209–1 5.8b 2148 2-171
BGS I 03 20 23 02.2–1.2 34.51N 72.60E 205 5.4b **¶13404580**
SZGRF I 03 20 23 16.7 36.18N 70.97E 186 6.0b
BJI I 03 20 23 18.8 36.62N 70.61E 206 6.3b,6.0b
ISCJB I 03 20 23 19.0–.23 36.43N–.01 70.73E–.01 202–2 5.7b,6.0b
MOS I 03 20 23 19.2–.85 36.44N 70.78E 207 6.2s,5.9b
NEIC I 03 20 23 20.2–.10 36.42N 70.74E 205 5.8b,5.9b
DJA I 03 20 23 20 36.30N 70.86E 196 6.3b,5.9b
IDC I 03 20 23 20.8–.29 36.43N 70.79E 209–2 5.6b,5.6
NIC I 03 20 23 21.5–.90 36.51N 70.76E 200 5.6b,5.6
NNC I 03 20 23 21.8–4.6 36.86N 70.24E 155–54 7.1,6.0b
ISC Event type fe.
BGS Error ellipse: s-maj=265.8km s-min=327.4km az=-1.0.
SZGRF Hindu Kush, Afghanistan, region.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=18.6.
MOS Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=126.4. Felt (III-IV) at Chimkent, Taraz. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=199.0. Felt [IV] at Baghlan, Charikar and Jabal os Saraj; [III] at Bagrami, Jalalabad, Kabul and Mazar-e Sharif; [II] at Khowst. Also felt at Asadabad, Asmar, Eshkashem, Konduz, Mehtar Lam and Sarowbi. Felt [IV] at Peshawar and [III] at Islamabad and Lahore, Pakistan. Felt [III] at Dushanbe, Tajikistan. Also felt at Khorugh and Uroteppa. Felt [II] at Tashkent, Uzbekistan. Also felt at Termiz. Felt at Delhi, Gurgaon and Pathankot, India; Srinagar, Kashmir; Osh, Kyrgyzstan.
IDC Error ellipse: s-maj=6.3km s-min=5.1km az=177.0.
NIC Earthquake Hindu Kush Region, Afghanistan 3km SW Ghowrayd gharami.
NNC Error ellipse: s-maj=37.9km s-min=31.1km az=38.0.
ISC I 03 23 40 34.2–1.6 36.57N–.08 70.6E–.20 204 8 3-7
¶16193518
ISC Event type ke.
ISC I 04 13 51 52.3–2.9 36.6N–.20 69.7E–.10 48 21 6-18
NNC I 04 13 52 00.2–8.7 37.37N 69.87E 0 3.7b,3.6 **¶11712585**
ISC Event type ke.
NNC Error ellipse: s-maj=66.9km s-min=62.6km az=157.0.
ISC I 04 23 12 60.0–.15 36.50N–.02 70.91E–.02 195–1 5.6b 2174 2-154
SZGRF I 04 23 12 26.8 35.21N 72.30E 195 5.3b **¶13989036**
BGS I 04 23 12 41.7–1.3 34.21N 72.28E 187 5.6b
ISCJB I 04 23 12 58.0–.21 36.48N–.01 70.88E–.01 184–2 5.7b
BJI I 04 23 12 58.7 36.68N 70.81E 193 5.3b,5.1b
MOS I 04 23 12 58.8–.84 36.49N 70.93E 194 5.9b,5.1b
TEH I 04 23 12 59.0 36.59N 70.90E 180 5.9L,5.1b
NEIC I 04 23 12 59.3–.33 36.44N 70.88E 187–3 5.7b,5.6W
IDC I 04 23 13 00.4–.29 36.43N 70.98E 200–2 5.3,5.3
DJA I 04 23 13 00 36.45N 70.88E 179 5.6b,5.3
NNC I 04 23 13 02.4–4.5 36.96N 70.56E 173–53 6.9,5.5b
ISC Event type fe.
SZGRF Pakistan.
BGS Error ellipse: s-maj=295.9km s-min=348.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=14.8.
MOS Error ellipse: s-maj=4.8km s-min=2.9km az=130.7.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=197.0. Felt [IV] at Jalalabad; [III] at Bagrami and Kabul; [II] at Asadabad and Charikar. Also felt at Asmar, Baghlan, Khowst and Mazar-e Sharif. Felt [IV] at Peshawar and [III] at Islamabad, Pakistan. Also felt at Abottabad, Kohat, Lahore and Rawalpindi. Felt [II] at Tashkent, Uzbekistan. Felt at Kishtwar and Srinagar, India; Shymkent, Kazakhstan; Dushanbe and Khorugh, Tajikistan. Depth from broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s51 Moment tensor: Scale 10^{17}Nm; M_{rr}2.73 $M_{\theta\theta}$-2.94 $M_{\phi\phi}$0.22 $M_{r\theta}$0.95 $M_{\theta\phi}$0.23 $M_{\phi r}$1.50 Best double couple: NP1:ϕ_s296.00000°,δ41.00000°,λ128.00000°. NP2: ϕ_s70.00000°,δ59.00000°,λ62.00000°. Principal axes: T 3.5700,Plg64.0000°,Azm289.0000° ; N -0.4700,Plg23.0000°,Azm85.0000°; P -3.1000,Plg9.0000°,Azm179.0000° M_o3.40000×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=5.5km az=3.0.
NNC Error ellipse: s-maj=36.7km s-min=24.9km az=18.0.
ISC I 05 17 51 27.0–.53 36.47N–.04 70.72E–.06 199–5 4.0b 138 3-91
ISCJB I 05 17 51 25.5–.38 36.46N–.02 70.74E–.05 199–5 3.9b **¶11712614**
MOS I 05 17 51 25.1–.99 36.41N 70.66E 195 4.3b
IDC I 05 17 51 28.0–.87 36.45N 70.72E 208–8 3.8,3.7b
NNC I 05 17 51 32.7–2.1 36.99N 70.76E 216–18 5.2,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.5km az=160.5.
MOS Error ellipse: s-maj=13.2km s-min=6.5km az=91.1.
IDC Error ellipse: s-maj=10.4km s-min=9.4km az=35.0.
NNC Error ellipse: s-maj=19.6km s-min=10.9km az=24.0.
ISC I 08 22 35 50.5–1.1 36.72N–.09 70.9E–.10 188 3.6b 20 6-66
ISCJB I 08 22 35 48.7–.73 36.66N–.06 70.7E–.10 188 3.7b **¶12080787**
IDC I 08 22 35 52.6–13 36.27N 71.29E 270–176 3.3,3.1b
NNC I 08 22 35 55.4–2.8 37.00N 70.89E 195–31 3.5,2.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=6.1km az=154.4.
IDC Error ellipse: s-maj=102.2km s-min=46.6km az=97.0.
NNC Error ellipse: s-maj=25.6km s-min=14.4km az=11.0.
ISC I 11 05 47 39.8–1.4 36.37N–.08 70.8E–.10 188 27 6-17
NNC I 11 05 47 45.1–5.5 37.19N 70.92E 0 3.8,3.7b **¶11712703**
ISC Event type ke.
NNC Error ellipse: s-maj=51.2km s-min=34.1km az=41.0.
ISC I 12 00 14 51.4–1.5 36.21N–.09 69.4E–.10 112 32 7-64
IDC I 12 00 14 55.2–15 36.50N 69.94E 83–142 3.3L,3.2b **¶11712718**
NNC I 12 00 15 00.3–8.3 37.14N 69.31E 0 4.2,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=134.1km s-min=65.1km az=150.0.
NNC Error ellipse: s-maj=77.3km s-min=62.8km az=104.0.
ISC I 12 22 30 22.4–3.2 36.2N–.20 70.7E–.10 102 8 7-66
IDC I 12 22 30 10.5–3.2 35.16N 71.39E 0 3.4b,3.4 **¶12081147**
NNC I 12 22 30 33.3–3.9 37.11N 70.45E 0 3.8b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=76.0km s-min=27.1km az=135.0.
NNC Error ellipse: s-maj=28.7km s-min=28.3km az=6.0.
ISC I 14 22 04 01.2–.51 36.43N–.05 70.11E–.06 213 3.5b 112 2-83
NNC I 14 22 03 51.0–7.6 36.38N 69.57E 0 4.0,3.7b **¶11712768**
ISCJB I 14 22 04 00.4–.32 36.47N–.02 70.16E–.05 213 3.4b,3.7b
IDC I 14 22 04 00.9–4.0 36.30N 70.14E 218–38 3.3,3.2b
NEIC I 14 22 04 01.5–.62 36.46N 70.15E 215–7 4.1b,3.2b
ISC Event type se.
NNC Error ellipse: s-maj=71.3km s-min=53.5km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.1km az=163.3.
IDC Error ellipse: s-maj=23.2km s-min=15.5km az=164.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.4km az=55.0.
ISC I 15 14 03 32.5–1.1 36.99N–.06 71.0E–.10 40 23 3-15
ISCJB I 15 14 03 30.9–.77 37.01N–.04 71.0E–.20 40 **¶11712773**
NNC I 15 14 03 36.3–6.5 37.65N 70.63E 0 4.0b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.4km s-min=5.1km az=178.6.
NNC Error ellipse: s-maj=51.8km s-min=43.6km az=3.0.
ISC I 17 05 57 13.9–.65 36.51N–.05 70.77E–.09 188 3.4b 55 3-84
ISCJB I 17 05 57 13.0–.44 36.48N–.03 70.73E–.07 188 3.4b **¶11712787**
IDC I 17 05 57 13.6–4.8 36.33N 70.77E 195–45 3.3b,3.3
NNC I 17 05 57 15.2–6.4 36.70N 70.39E 144–66 4.3,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=3.8km az=161.7.
IDC Error ellipse: s-maj=25.0km s-min=16.8km az=32.0.
NNC Error ellipse: s-maj=50.0km s-min=30.6km az=10.0.
ISC I 17 23 18 44.5–.33 36.01N–.02 69.87E–.02 66–2 4.7b 327 2-89
IDC I 17 23 18 33.7–.67 35.61N 69.83E 0 4.7L,4.5 **¶13405806**
BJI I 17 23 18 42.5 36.14N 69.50E 66 4.9b,4.8L
MOS I 17 23 18 43.1–1.3 35.95N 69.90E 70 4.9b,4.8L
ISCJB I 17 23 18 44.0–.37 35.95N–.02 69.90E–.02 83–4 4.5b,4.8L
NEIC I 17 23 18 45.5–.64 35.91N 69.97E 86–7 4.9b,4.8L
NNC I 17 23 18 46.4–3.6 36.18N 69.42E 46–51 5.0,4.8b
TEH I 17 23 18 47.0 36.19N 69.71E 68 4.7L,4.8b
SZGRF I 17 23 18 49.8 36.07N 69.87E 137 4.5b,4.8b
ISC Event type fe.
IDC Error ellipse: s-maj=18.3km s-min=11.9km az=0.0.
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=102.3.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=3.1km az=16.1.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.8km az=221.0. Felt at Kabul.
NNC Error ellipse: s-maj=29.6km s-min=23.5km az=165.0.
SZGRF Hindu Kush, Afghanistan, region.
ISC I 19 10 06 47.5–.51 36.51N–.05 70.34E–.07 204 3.6b 106 2-85
IDC I 19 10 06 42.8–4.5 36.16N 70.32E 170–40 3.5,3.4b **¶11682449**
ISCJB I 19 10 06 47.1–.38 36.54N–.03 70.45E–.07 204 3.5b,3.4b
NEIC I 19 10 06 47.7–.78 36.48N 70.41E 206–9 4.9b,3.4b
NNC I 19 10 06 55.2–8.3 37.07N 70.72E 233–74 4.3,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=14.8km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=3.6km az=167.5.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.5km az=58.0.
NNC Error ellipse: s-maj=77.4km s-min=38.8km az=4.0.
ISC I 19 13 59 03.4–.77 36.39N–.06 70.70E–.09 204 3.5b 44 3-82
IDC I 19 13 58 59.2–8.7 36.20N 70.68E 160–68 3.5,3.4b **¶11677624**
ISCJB I 19 13 59 03.1–.57 36.57N–.04 70.86E–.09 204 3.3b,3.4b
NNC I 19 13 59 06.9–9.6 36.96N 70.46E 173–90 4.5,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=55.5km s-min=26.6km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=4.8km az=159.9.
NNC Error ellipse: s-maj=79.5km s-min=42.2km az=14.0.
ISC I 20 06 17 57.5–2.4 36.7N–.20 68.3E–.10 24 15 7-81
IDC I 20 06 17 55.6–2.4 36.30N 68.67E 0 3.5,3.4b **¶12081840**
NNC I 20 06 18 03.1–.92 37.36N 68.29E 0 3.5b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=51.9km s-min=25.9km az=139.0.
NNC Error ellipse: s-maj=8.6km s-min=7.2km az=84.0.
ISC I 20 09 26 13.4–.37 36.06N–.04 69.80E–.04 94–2 4.5b 255 2-89
ISCJB I 20 09 26 09.3–.39 35.94N–.02 69.78E–.03 72–4 4.4b **¶13433879**
BJI I 20 09 26 11.9 36.13N 69.67E 89 5.0b,4.6s
MOS I 20 09 26 11.6–1.1 36.00N 69.88E 92 4.7b,4.6s
NNC I 20 09 26 12.4–1.0 36.61N 69.67E 0 4.8b,4.7
NEIC I 20 09 26 12.2–.68 35.87N 69.93E 92–7 5.2b,4.7
IDC I 20 09 26 13.5–.75 35.89N 69.78E 103–7 4.1,4.0
TEH I 20 09 26 14.0 36.10N 64.74E 86 4.5L,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.3km az=147.3.
MOS Error ellipse: s-maj=9.1km s-min=5.0km az=93.9.
NNC Error ellipse: s-maj=9.9km s-min=6.9km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.0km az=49.0. Felt at Kabul.
IDC Error ellipse: s-maj=17.4km s-min=11.4km az=27.0.
ISC I 20 15 51 35.6–.51 36.53N–.05 70.33E–.06 204 3.6b 73 3-82
ISCJB I 20 15 51 34.5–.30 36.49N–.03 70.32E–.05 204 3.5b **¶11682459**
IDC I 20 15 51 34.4–3.8 36.35N 70.26E 196–37 3.4b,3.4
NNC I 20 15 51 39.6–4.8 36.94N 70.03E 174–57 4.0,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=153.1.
IDC Error ellipse: s-maj=19.9km s-min=14.1km az=21.0.
NNC Error ellipse: s-maj=40.4km s-min=26.7km az=19.0.
ISC I 22 08 08 56.6–2.1 36.7N–.20 70.5E–.10 100 13 6-65
IDC I 22 08 08 38.5–3.2 35.65N 70.74E 0 3.6b,3.6 **¶12082041**
NNC I 22 08 08 56.5–3.6 36.61N 70.52E 97–66 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=74.3km s-min=25.6km az=138.0.
NNC Error ellipse: s-maj=29.4km s-min=24.6km az=48.0.
ISC I 23 18 40 43.9–.55 36.53N–.05 70.52E–.06 204 3.6b 95 2-85
IDC I 23 18 40 37.1–10 36.10N 70.35E 142–92 3.5,3.5 **¶13433954**
ISCJB I 23 18 40 43.2–.35 36.51N–.03 70.48E–.06 204 3.5b,3.5
NEIC I 23 18 40 43.6–.71 36.46N 70.46E 195–9 4.6b,3.5
NNC I 23 18 40 45.9–16 36.89N 70.03E 131–182 4.3,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=50.4km s-min=19.8km az=27.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.6km az=160.9.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.1km az=58.0.
NNC Error ellipse: s-maj=126.8km s-min=77.6km az=18.0.
ISC I 24 03 27 08.1–.54 36.52N–.05 70.82E–.07 204 3.8b 78 3-84
IDC I 24 03 27 05.4–4.1 36.34N 70.69E 173–38 3.7,3.6b **¶11677673**
BJI I 24 03 27 05.9 36.14N 71.10E 200 4.0b,3.6b
ISCJB I 24 03 27 06.7–.37 36.45N–.03 70.75E–.07 204 3.6b,3.6b
NNC I 24 03 27 09.5–4.4 36.87N 70.47E 179–47 4.8,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=13.0km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.2km az=159.8.
NNC Error ellipse: s-maj=36.8km s-min=24.4km az=24.0.
ISC I 24 19 19 08.9–1.5 36.64N–.06 70.3E–.10 204 12 2-41
ISCJB I 24 19 19 09.4–.49 36.53N–.03 70.22E–.08 204 3.7b **¶12082243**
NEIC I 24 19 19 10.8–.68 36.58N 70.31E 188–10 4.2b
IDC I 24 19 19 22.4–23 37.14N 70.51E 281–182 3.4b,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.5km az=175.2.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.3km az=67.0.
IDC Error ellipse: s-maj=444.9km s-min=86.3km az=160.0.
ISC I 27 05 50 29.2–4.8 36.6N–.30 70.3E–.20 213 19 6-16
NNC I 27 05 50 29.7–2.3 37.03N 70.04E 0 3.9b,3.7 **¶12790458**
ISC Event type ke.
NNC Error ellipse: s-maj=19.3km s-min=17.5km az=103.0.
ISC I 27 14 13 35.7–.93 36.44N–.06 70.0E–.10 213 3.3b 54 3-85
IDC I 27 14 13 29.9–8.2 36.11N 69.96E 170–68 3.2,3.1b **¶11682526**
ISCJB I 27 14 13 35.2–.61 36.47N–.04 70.2E–.10 213 3.2b,3.1b
NNC I 27 14 13 41.3–6.1 36.85N 70.47E 210–52 3.7,2.6b
ISC Event type ke.
IDC Error ellipse: s-maj=50.6km s-min=28.7km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=4.0km az=164.4.
NNC Error ellipse: s-maj=53.5km s-min=32.9km az=9.0.
ISC I 27 15 23 07.1–.94 36.77N–.06 70.8E–.10 88 13 3-16
ISCJB I 27 15 23 05.5–.62 36.79N–.04 70.9E–.10 88 **¶12790480**
NNC I 27 15 23 10.9–6.7 37.40N 70.93E 0 3.5b,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=4.8km az=166.9.
NNC Error ellipse: s-maj=51.2km s-min=47.4km az=6.0.
ISC I 27 19 18 25.6–1.7 36.56N–.08 70.3E–.20 204 18 3-17
¶16193636
ISC Event type ke.
ISC I 29 20 48 43.7–1.1 36.53N–.08 70.4E–.10 204 42 6-41

NNC I 29 20 48 40.7–9.4 36.81N 69.92E 0 4.0b,3.8 ¶11677733
IDC I 29 20 48 41.5–16 36.27N 70.49E 187–73 3.7b,3.5
ISCJB I 29 20 48 42.7–.72 36.50N–.05 70.4E–.10 204 3.7b,3.5
ISC Event type ke.
ISCJB Event type ke.
ISC I 31 05 32 56.1–.67 36.63N–.05 70.96E–.10 188 3.5b 52 3-82
NNC I 31 05 32 51.4–8.9 36.91N 70.80E 0 4.0,4.0b ¶12082789
IDC I 31 05 32 52.7–3.7 36.33N 70.86E 178–30 3.4,3.3b
ISCJB I 31 05 32 54.9–.52 36.58N–.04 70.85E–.08 188 3.4b,3.3b
ISC Event type ke.
ISCJB Event type ke.
ISC II 01 07 44 53.8–.63 36.67N–.06 70.64E–.07 188 3.7b 75 3-85
IDC II 01 07 44 48.8–3.5 36.25N 70.59E 137–31 3.7,3.6 ¶13434129
MOS II 01 07 44 49.1–1.3 36.37N 70.64E 148 3.9b,3.6
ISCJB II 01 07 44 52.5–.41 36.63N–.03 70.72E–.06 188 3.6b,3.6
NNC II 01 07 44 53.7–1.7 36.81N 70.41E 168–18 4.7,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=14.2km az=1.0.
MOS Error ellipse: s-maj=16.6km s-min=8.2km az=85.7.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=156.0.
NNC Error ellipse: s-maj=14.0km s-min=8.8km az=23.0.
IDC II 02 02 17 55.9–10 36.98N 70.28E 195–60 3.0b,2.6
¶12699379
IDC Error ellipse: s-maj=277.1km s-min=42.3km az=141.0.
ISC II 04 04 25 57.2–1.9 36.7N–.20 70.5E–.20 204 9 6-65
IDC II 04 04 25 54.2–6.9 36.40N 70.67E 188–60 2.9,2.9 ¶12699511
ISCJB II 04 04 25 55.5–1.5 36.6N–.10 70.5E–.20 204 2.8b,2.9
ISC Event type ke.
ISCJB Event type ke.
ISC II 06 02 44 24.7–5.0 36.8N–.30 70.8E–.20 88 3.2b 18 6-81
IDC II 06 02 44 17.9–5.6 36.40N 70.73E 163–41 3.0,3.0b ¶12699639
ISC Event type ke.
IDC Error ellipse: s-maj=75.2km s-min=31.3km az=141.0.
ISC II 06 17 11 34.0–.33 36.59N–.04 70.99E–.03 211–2 4.3b 308 3-150
BJI II 06 17 11 32.5 36.72N 70.84E 216 4.6b,4.5b ¶13434337
ISCJB II 06 17 11 32.7–.27 36.56N–.02 71.01E–.03 212–3 4.3b,4.5b
MOS II 06 17 11 32.4–.84 36.56N 70.98E 211 4.3b,4.5b
NEIC II 06 17 11 34.3–.28 36.59N 70.98E 217 4.5b,4.5b
IDC II 06 17 11 34.9–.87 36.59N 71.00E 222–7 4.1,4.0
NNC II 06 17 11 36.2–1.7 36.92N 70.72E 163–21 5.5,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.8km az=160.6.
MOS Error ellipse: s-maj=9.4km s-min=5.1km az=86.3.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=6.1km az=91.0. Felt [II] at Kabul. Also felt at Feyzabad.
IDC Error ellipse: s-maj=9.6km s-min=9.2km az=138.0.
NNC Error ellipse: s-maj=13.8km s-min=10.2km az=21.0.
ISC II 07 00 48 17.2–.89 36.79N–.06 70.9E–.10 200 31 3-66
IDC II 07 00 48 13.2–15 36.31N 71.19E 218–180 3.3,3.3b ¶12699702
ISCJB II 07 00 48 16.3–.61 36.81N–.04 70.7E–.10 200 3.6b,3.3b
NNC II 07 00 48 22.5–3.4 37.13N 71.00E 236–28 3.8,2.5b
ISC Event type ke.
IDC Error ellipse: s-maj=95.2km s-min=60.2km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.4km az=176.4.
NNC Error ellipse: s-maj=31.8km s-min=17.9km az=6.0.
ISC II 07 08 49 53.5–1.9 36.6N–.10 70.8E–.10 188 28 6-66
IDC II 07 08 49 51.5–6.3 36.48N 70.79E 186–57 2.9,2.9 ¶12699719
ISCJB II 07 08 49 55.2–1.6 36.8N–.10 70.9E–.10 188 3.1b,2.9
NNC II 07 08 49 57.9–5.3 36.91N 70.77E 167–59 3.9,2.5b
ISC Event type ke.
IDC Error ellipse: s-maj=70.5km s-min=38.5km az=144.0.
ISCJB Event type ke. Error ellipse: s-maj=17.9km s-min=13.1km az=151.1.
NNC Error ellipse: s-maj=45.9km s-min=24.5km az=7.0.
ISC II 10 19 27 11.4–2.7 36.4N–.20 70.3E–.20 88 3.8b 14 6-81
IDC II 10 19 27 24.7–8.3 37.03N 71.43E 221–52 3.2b,3.1 ¶12699930
ISC Event type ke.
IDC Error ellipse: s-maj=78.4km s-min=43.0km az=178.0.
ISC II 12 04 29 56.6–.88 35.67N–.07 69.81E–.09 87 3.8b 29 3-65
ISCJB II 12 04 29 54.4–.68 35.53N–.06 69.82E–.09 87 3.6b ¶12083142
NNC II 12 04 30 05.0–1.8 36.74N 69.33E 0 3.9b,3.7
IDC II 12 04 30 10.1–16 35.80N 69.99E 232–160 3.2,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.3km az=148.9.
NNC Error ellipse: s-maj=15.9km s-min=13.3km az=110.0.
IDC Error ellipse: s-maj=128.2km s-min=41.8km az=163.0.
ISC II 14 08 21 37.7–1.0 35.55N–.06 69.7E–.10 90 3.5b 27 3-65
ISCJB II 14 08 21 36.5–.76 35.58N–.04 69.69E–.10 90 3.4b ¶12700640
IDC II 14 08 21 38.8–8.0 35.68N 69.58E 90–67 3.6L,3.3
NNC II 14 08 21 40.0–4.7 35.78N 69.55E 69–97 3.9,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=4.9km az=167.6.
IDC Error ellipse: s-maj=74.0km s-min=30.2km az=158.0.
NNC Error ellipse: s-maj=40.2km s-min=34.4km az=127.0.
ISC II 15 08 24 06.8–.61 35.99N–.05 70.38E–.08 110 3.8b 55 2-84
IDC II 15 08 24 05.8–.88 35.94N 70.19E 89–7 3.7,3.6 ¶15956141
NNC II 15 08 24 05.5–2.8 36.41N 70.05E 0 4.3,4.2b
ISCJB II 15 08 24 06.4–.41 36.03N–.03 70.47E–.06 110 3.7b,4.2b
ISC Event type ke.
ISCJB Event type ke.
ISC II 16 08 05 23.0–1.1 36.38N–.10 70.8E–.10 188 3.4b 25 6-82
IDC II 16 08 05 22.8–4.0 36.32N 70.88E 190–33 3.2,3.2b ¶12700884
NNC II 16 08 05 26.2–12 36.61N 70.02E 161–123 3.7,2.4b
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=23.0km az=2.0.
NNC Error ellipse: s-maj=108.6km s-min=83.4km az=33.0.
ISC II 19 08 04 05.3–.41 36.71N–.05 70.70E–.05 286–3 4.0b 132 3-150
ISCJB II 19 08 04 03.9–.38 36.69N–.03 70.59E–.05 283–4 3.9b ¶16191965
MOS II 19 08 04 03.0–.83 36.66N 70.60E 276 4.1b
BJI II 19 08 04 04.0 36.88N 70.57E 266 4.4b,4.4b
IDC II 19 08 04 05.3–.59 36.64N 70.66E 286–4 3.8,3.7
NNC II 19 08 04 16.8–8.1 37.74N 71.26E 296–61 4.5,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.9km az=164.4.
MOS Error ellipse: s-maj=12.1km s-min=6.3km az=89.1.
IDC Error ellipse: s-maj=12.0km s-min=10.3km az=17.0.
NNC Error ellipse: s-maj=83.8km s-min=43.3km az=4.0.
ISC II 21 19 24 17.6–3.8 36.9N–.20 70.5E–.20 64 12 6-15
NNC II 21 19 24 22.9–2.9 37.29N 70.87E 155–74 3.6,2.7b ¶12933698
ISC Event type ke.
NNC Error ellipse: s-maj=31.6km s-min=17.8km az=29.0.
ISC II 24 09 29 38.5–.87 36.64N–.08 70.96E–.09 188 3.4b 28 6-81
ISCJB II 24 09 29 37.2–.60 36.56N–.04 70.99E–.08 188 3.3b ¶12701728
IDC II 24 09 29 38.0–5.6 36.59N 70.89E 177–42 3.1b,3.0
NNC II 24 09 29 42.2–3.2 37.36N 70.48E 0 3.9b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.0km az=154.7.
IDC Error ellipse: s-maj=58.9km s-min=33.1km az=151.0.
NNC Error ellipse: s-maj=25.4km s-min=23.9km az=168.0.
ISC II 26 07 18 30.1–3.3 36.1N–.30 66.6E–.20 35 3.5b 14 8-82
IDC II 26 07 18 25.2–2.6 35.58N 67.20E 0 3.6,3.5 ¶12701903
NNC II 26 07 18 31.0–4.4 36.40N 66.75E 0 3.7b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=58.9km s-min=22.6km az=141.0.
NNC Error ellipse: s-maj=56.1km s-min=36.3km az=130.0.
ISC II 26 07 42 51.3–1.8 36.67N–.09 71.0E–.20 188 3.5b 8 6-81
IDC II 26 07 42 54.1–5.0 36.39N 71.41E 170–40 3.3,3.2 ¶12701905
NNC II 26 07 43 03.7–2.8 37.21N 71.26E 163–28 3.5,2.8b
ISC Event type ke.
IDC Error ellipse: s-maj=51.2km s-min=31.2km az=146.0.
NNC Error ellipse: s-maj=24.3km s-min=14.9km az=7.0.
ISC II 26 14 09 25.7–3.1 36.5N–.20 70.4E–.40 200 21 6-17
ISCJB II 26 14 09 26.8–1.2 36.46N–.07 70.5E–.20 200 ¶12933779
NNC II 26 14 09 33.8–3.3 36.96N 70.71E 205–27 3.7,2.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=6.0km az=155.7.
NNC Error ellipse: s-maj=34.5km s-min=19.4km az=37.0.
ISC III 01 03 22 23.1–1.8 36.3N–.10 69.52E–.10 48 3.6b 29 7-83
IDC III 01 03 22 22.2–5.2 35.80N 69.93E 92–44 3.5,3.4b ¶12702160
NNC III 01 03 22 27.8–2.1 36.86N 69.52E 0 3.6b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=23.5km az=26.0.
NNC Error ellipse: s-maj=19.3km s-min=14.0km az=58.0.
ISC III 04 20 15 43.3–.73 36.36N–.06 70.43E–.09 204 3.2b 51 3-85
IDC III 04 20 15 41.3–3.7 36.19N 70.44E 195–32 3.2,3.1b ¶12702452
ISCJB III 04 20 15 42.6–.54 36.41N–.04 70.21E–.08 204 3.2b,3.1b
NNC III 04 20 15 52.0–6.3 37.04N 70.68E 209–57 4.1,2.7b
ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=18.6km az=12.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.4km az=162.3.
NNC Error ellipse: s-maj=56.6km s-min=34.2km az=11.0.
ISC III 04 23 36 04.4–1.2 36.82N–.10 70.9E–.10 188 3.3b 17 6-85
IDC III 04 23 35 51.5–5.5 36.02N 70.94E 65–48 3.5,3.5 ¶12702462
NNC III 04 23 36 02.3–3.8 37.26N 70.37E 0 3.6b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=21.2km az=32.0.
NNC Error ellipse: s-maj=34.1km s-min=24.2km az=41.0.
ISC III 09 11 20 56.1–1.2 36.3N–.10 69.8E–.20 213 3.1b 16 7-85
ISCJB III 09 11 20 54.5–.98 36.3N–.10 69.7E–.20 213 3.1b ¶12702793
IDC III 09 11 20 57.6–5.2 36.37N 69.93E 230–50 3.1,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=11.9km az=23.2.
IDC Error ellipse: s-maj=40.1km s-min=24.9km az=4.0.
ISC III 13 11 20 00.5–.63 36.48N–.06 70.18E–.08 213 3.5b 43 3-85
IDC III 13 11 19 57.8–3.8 36.21N 70.16E 198–33 3.5,3.4 ¶12703162
ISCJB III 13 11 19 59.4–.43 36.46N–.03 70.14E–.07 213 3.4b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC III 13 12 30 03.5–3.5 36.9N–.20 71.0E–.10 188 6 5-15
NNC III 13 12 30 00.8–1.6 37.22N 70.62E 0 3.7b,3.6 ¶13436204
ISC Event type ke.
NNC Error ellipse: s-maj=14.2km s-min=12.5km az=81.0.
IDC III 18 04 13 30.4–1.3 36.36N 70.88E 0 3.7,3.4b
¶12703561
IDC Error ellipse: s-maj=55.1km s-min=38.8km az=9.0.
ISC III 23 08 25 51.5–.73 36.87N–.07 69.37E–.08 37 3.7b 27 4-86
NNC III 23 08 25 42.8–5.4 36.54N 69.22E 0 4.0b,3.8 ¶12635366
IDC III 23 08 25 44.8–1.0 36.65N 69.51E 0 3.9,3.8
ISCJB III 23 08 25 50.1–.53 37.00N–.04 69.25E–.08 37 3.7b,3.4s
ISC Event type ke.
ISCJB Event type ke.
ISC III 24 01 16 44.8–.92 36.99N–.09 69.1E–.10 10 3.7b,3.2s 20 4-86
NNC III 24 01 16 36.5–8.3 36.55N 69.13E 0 3.9b,3.8 ¶12635436
ISCJB III 24 01 16 41.9–.48 37.03N–.05 69.24E–.08 10 3.5b,3.2s
IDC III 24 01 16 41.1–.99 36.79N 69.43E 0 3.7,3.7
NDI III 24 01 18 31.3–3.2 30.47N 75.41E 10 2.4L,3.7
ISC Event type ke.
NNC Error ellipse: s-maj=87.7km s-min=48.5km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.6km az=155.8.
IDC Error ellipse: s-maj=20.5km s-min=14.9km az=144.0.
NDI Error ellipse: s-maj=36.8km s-min=19.6km az=-1.0.
ISC III 25 19 50 13.0–.97 36.59N–.08 70.89E–.10 188 30 6-66
ISCJB III 25 19 50 12.4–.68 36.50N–.05 70.90E–.09 188 3.4b ¶12635588
IDC III 25 19 50 12.7–15 36.46N 70.92E 188–171 3.1b,3.0L
NNC III 25 19 50 19.3–1.9 36.99N 70.86E 190–19 3.9,2.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.4km az=153.2.
IDC Error ellipse: s-maj=127.9km s-min=79.5km az=130.0.
NNC Error ellipse: s-maj=17.2km s-min=9.6km az=19.0.
ISC III 26 14 22 52.2–1.3 36.6N–.10 70.5E–.10 100 3.6b 24 6-85
IDC III 26 14 22 51.1–4.4 36.36N 70.94E 110–37 3.5,3.4b ¶12612762
NNC III 26 14 22 54.4–3.4 37.06N 70.31E 0 3.9,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=21.2km az=26.0.
NNC Error ellipse: s-maj=34.4km s-min=26.5km az=41.0.
ISC III 27 21 11 46.9–1.7 36.9N–.10 70.9E–.20 88 9 6-81
IDC III 27 21 11 44.4–13 36.46N 71.38E 84–63 3.1,2.9L ¶12635723
ISCJB III 27 21 11 45.6–1.3 36.9N–.10 70.9E–.20 88 3.1b,2.9L
ISC Event type ke.
ISCJB Event type ke.
ISC III 28 02 20 52.8–1.6 36.6N–.10 70.8E–.10 88 3.8b 19 6-81
IDC III 28 02 20 56.6–4.7 36.44N 71.42E 165–34 3.3b,3.3 ¶12635737
NNC III 28 02 21 05.7–4.0 37.18N 71.12E 192–35 3.5,2.6b
ISC Event type ke.
IDC Error ellipse: s-maj=46.5km s-min=24.0km az=150.0.
NNC Error ellipse: s-maj=35.4km s-min=20.7km az=24.0.
ISC III 28 18 54 32.9–1.0 36.58N–.09 70.9E–.10 188 3.5b 31 6-84
NNC III 28 18 54 27.8–6.7 36.74N 70.41E 0 4.2,3.8b ¶12635792
IDC III 28 18 54 29.6–4.7 36.30N 70.98E 166–40 3.4,3.3b
ISCJB III 28 18 54 30.9–.77 36.43N–.07 70.96E–.09 188 3.5b,3.3b
ISC Event type ke.
ISCJB Event type ke.
ISC III 29 07 46 25.1–1.3 36.28N–.07 69.2E–.10 43 15 3-82
ISCJB III 29 07 46 24.5–1.0 36.34N–.04 69.3E–.10 43 3.1b ¶12635848
NNC III 29 07 46 31.4–11 36.53N 69.48E 153–238 3.2,2.6b
IDC III 29 07 46 32.3–9.5 36.65N 69.17E 108–74 3.3L,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=5.7km az=169.7.
NNC Error ellipse: s-maj=107.8km s-min=72.7km az=16.0.
IDC Error ellipse: s-maj=217.3km s-min=71.3km az=124.0.
ISC III 31 04 41 28.5–1.1 36.6N–.10 70.9E–.10 188 3.1b 17 7-84
IDC III 31 04 41 23.9–5.2 36.31N 70.95E 148–45 3.1b,3.1 ¶12636004
ISCJB III 31 04 41 27.1–.85 36.55N–.07 70.9E–.10 188 3.1b,3.1
NNC III 31 04 41 32.3–7.1 36.87N 70.77E 175–97 3.6,2.5b
ISC Event type ke.
IDC Error ellipse: s-maj=37.1km s-min=27.9km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=9.2km az=21.9.
NNC Error ellipse: s-maj=66.6km s-min=37.3km az=13.0.
ISC IV 01 03 47 32.5–1.9 36.7N–.10 70.4E–.10 64 3.4b 22 6-81
IDC IV 01 03 47 23.1–6.0 35.84N 70.97E 57–47 3.7L,3.5 ¶12934262
NNC IV 01 03 47 34.5–11 36.76N 70.23E 94–186 4.0,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=44.6km s-min=26.3km az=165.0.
NNC Error ellipse: s-maj=88.5km s-min=57.4km az=15.0.
ISC IV 01 15 45 09.3–1.4 36.5N–.10 71.0E–.10 188 3.4b 25 6-82
IDC IV 01 15 45 03.3–5.5 36.03N 70.81E 70–47 4.0L,3.6 ¶12741993
ISCJB IV 01 15 45 09.0–.76 36.42N–.05 71.23E–.09 188 3.4b,3.6
NNC IV 01 15 45 11.2–5.7 36.69N 70.71E 145–64 4.1,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=38.4km s-min=26.3km az=24.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.5km az=158.2.
NNC Error ellipse: s-maj=46.6km s-min=31.1km az=29.0.
ISC IV 02 23 32 59.2–.51 36.53N–.05 70.42E–.06 204 3.6b 80 3-126
ISCJB IV 02 23 32 58.3–.35 36.46N–.02 70.37E–.05 204 3.5b ¶13437839
IDC IV 02 23 33 00.4–2.7 36.42N 70.29E 222–25 3.6,3.6
NNC IV 02 23 33 04.2–1.3 36.89N 70.38E 210–9 4.7,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=2.7km az=161.1.
IDC Error ellipse: s-maj=15.4km s-min=12.9km az=20.0.
NNC Error ellipse: s-maj=10.2km s-min=8.8km az=25.0.
ISC IV 03 22 23 53.9–.66 36.54N–.05 70.39E–.08 204 3.3b 45 3-65
IDC IV 03 22 23 50.6–4.8 36.34N 70.32E 174–42 3.2,3.1b ¶12742004
ISCJB IV 03 22 23 53.0–.43 36.52N–.03 70.33E–.07 204 3.2b,3.1b

NNC IV 03 22 23 57.9–3.8 36.86N 70.28E 183–34 3.9,2.7b
ISC Event type ke.
IDC Error ellipse: s-maj=48.2km s-min=29.3km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.2km az=160.2.
NNC Error ellipse: s-maj=37.3km s-min=21.0km az=34.0.
ISC IV 04 01 34 13.2–3.2 36.4N–.20 70.4E–.20 64 9 7-65
NNC IV 04 01 34 16.3–5.5 36.60N 70.34E 103–95 3.5,2.7b ¶12934520
IDC IV 04 01 34 24.4–14 36.48N 71.13E 249–147 2.7b,2.6
ISC Event type ke.
NNC Error ellipse: s-maj=43.5km s-min=36.1km az=177.0.
IDC Error ellipse: s-maj=92.6km s-min=51.7km az=170.0.
ISC IV 05 11 42 56.7–1.0 36.26N–.08 70.6E–.20 102 16 3-65
IDC IV 05 11 42 42.4–3.2 35.66N 70.76E 0 4.0b,3.8 ¶12934570
ISCJB IV 05 11 42 55.3–.79 36.28N–.04 70.6E–.10 102 3.6b,3.8
ISC Event type ke.
ISCJB Event type ke.
NNC IV 07 06 38 49.3–3.3 36.63N 70.07E 190–31 3.6,2.7b
¶13438095
NNC Error ellipse: s-maj=35.3km s-min=21.5km az=47.0.
ISC IV 09 14 15 21.7–.48 36.60N–.05 70.86E–.05 188 4.2b 126 3-150
ISCJB IV 09 14 15 20.0–.31 36.47N–.02 70.67E–.05 188 4.2b ¶15153624
MOS IV 09 14 15 21.8–.93 36.46N 70.79E 217 4.3b
BJI IV 09 14 15 23.6 36.77N 70.71E 224 4.6b,4.4b
IDC IV 09 14 15 23.8–2.0 36.53N 70.84E 222–18 3.9,3.7
NNC IV 09 14 15 26.1–5.8 36.81N 70.72E 202–56 5.1,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=159.8.
MOS Error ellipse: s-maj=11.0km s-min=4.9km az=81.0.
IDC Error ellipse: s-maj=12.3km s-min=11.3km az=27.0.
NNC Error ellipse: s-maj=50.3km s-min=27.6km az=5.0.
ISC IV 09 16 34 29.6–.27 36.55N–.03 70.96E–.03 188–2 4.7b 649 3-150
SZGRF IV 09 16 34 18.3 35.51N 72.41E 184 4.9b ¶13438263
BJI IV 09 16 34 24.3 36.68N 70.39E 180 4.7b,4.7b
MOS IV 09 16 34 27.8–.84 36.51N 70.97E 182 4.9b,4.7b
ISCJB IV 09 16 34 27.3–.27 36.51N–.02 70.96E–.02 175–3 4.6b,4.7b
DJA IV 09 16 34 29.3–.60 36N–7.0 71E–7.0 168–9 5.6,5.6b
IDC IV 09 16 34 29.7–.50 36.45N 70.94E 187–4 4.3,4.2
NEIC IV 09 16 34 29.4–.18 36.51N 70.97E 184 4.6b,4.2
NNC IV 09 16 34 32.4–6.9 36.91N 70.69E 180–66 5.3,4.3b
ISC Event type fe.
SZGRF Pakistan.
MOS Error ellipse: s-maj=5.6km s-min=3.4km az=108.1.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.6km az=147.7.
IDC Error ellipse: s-maj=10.9km s-min=6.7km az=20.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.5km az=198.0. Felt [III] at Kabul. Also felt at Jalalabad.
NNC Error ellipse: s-maj=59.9km s-min=31.7km az=5.0.
ISC IV 11 23 19 02.1–.65 36.52N–.06 70.84E–.07 188 3.4b 57 6-84
IDC IV 11 23 18 59.5–4.2 36.24N 70.62E 164–37 3.5,3.4 ¶12935000
ISCJB IV 11 23 19 01.1–.42 36.43N–.03 70.80E–.07 188 3.4b,3.4
NNC IV 11 23 19 06.4–2.1 36.87N 70.71E 177–17 4.3,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=15.5km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=3.2km az=156.2.
NNC Error ellipse: s-maj=17.5km s-min=12.8km az=33.0.
ISC IV 12 01 46 11.1–3.6 36.8N–.20 70.7E–.20 213 12 6-16
NNC IV 12 01 46 11.4–11 36.82N 70.55E 158–159 4.0,2.8b ¶13438399
ISC Event type ke.
NNC Error ellipse: s-maj=98.3km s-min=55.8km az=11.0.
NNC IV 12 11 12 40.3–12 36.45N 70.15E 0 3.9b,3.4
¶13438427
NNC Error ellipse: s-maj=104.9km s-min=85.9km az=160.0.
ISC IV 14 03 00 57.1–3.3 36.6N–.20 70.4E–.10 204 11 6-15
NNC IV 14 03 00 55.0–6.5 36.50N 70.31E 178–104 3.5,2.8b ¶13438497
ISC Event type ke.
NNC Error ellipse: s-maj=59.5km s-min=36.7km az=31.0.
ISC IV 15 16 16 00.4–.60 36.57N–.05 70.42E–.08 204 3.2b 50 3-85
IDC IV 15 16 15 58.4–3.9 36.37N 70.51E 185–33 3.1,3.0 ¶12935291
ISCJB IV 15 16 15 59.5–.42 36.51N–.03 70.43E–.06 204 3.1b,3.0
NNC IV 15 16 16 00.3–9.0 36.75N 69.86E 129–105 4.2,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=29.4km s-min=18.8km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.7km az=159.9.
NNC Error ellipse: s-maj=70.3km s-min=40.6km az=17.0.
ISC IV 16 19 08 04.3–.60 36.27N–.06 69.34E–.06 48 3.6b 53 3-82
IDC IV 16 19 07 57.9–1.6 36.15N 69.23E 0 4.1L,4.0 ¶13438698
ISCJB IV 16 19 08 03.1–.41 36.38N–.03 69.19E–.05 48 3.6b,4.0
NNC IV 16 19 08 08.1–4.2 36.58N 69.15E 104–54 4.3,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=32.8km s-min=15.0km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=154.7.
NNC Error ellipse: s-maj=32.7km s-min=27.5km az=172.0.
ISC IV 17 07 31 06.6–.35 35.63N–.04 69.69E–.04 90 4.4b 196 1-149
BJI IV 17 07 30 57.0 35.51N 68.80E 72 4.8b,4.6b ¶13438728
ISCJB IV 17 07 31 05.2–.22 35.59N–.02 69.82E–.03 90 4.3b,4.6b
MOS IV 17 07 31 05.3–1.1 35.61N 69.70E 88 4.2b,4.6b
NEIC IV 17 07 31 06.4–.62 35.63N 69.65E 85–6 4.5b,4.6b
IDC IV 17 07 31 08.2–2.1 35.73N 69.68E 99–18 4.1,4.0
NNC IV 17 07 31 13.1–3.9 36.14N 69.49E 133–35 5.0,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.6km az=158.3.
MOS Error ellipse: s-maj=10.1km s-min=5.5km az=81.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.9km az=118.0.
IDC Error ellipse: s-maj=12.5km s-min=10.2km az=161.0.
NNC Error ellipse: s-maj=29.3km s-min=18.3km az=24.0.
ISC IV 17 13 08 03.4–1.6 36.7N–.10 70.85E–.10 100 3.9b 31 3-81
IDC IV 17 13 07 54.8–5.9 35.83N 71.36E 79–45 3.7L,3.5 ¶12935448
NNC IV 17 13 08 04.9–8.6 36.71N 70.74E 104–146 4.0,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=55.6km s-min=33.7km az=150.0.
NNC Error ellipse: s-maj=65.4km s-min=47.0km az=16.0.
ISC IV 21 02 16 02.6–4.1 36.7N–.20 70.7E–.20 204 5 6-65
IDC IV 21 02 15 47.8–10 36.47N 70.18E 0 3.2b,3.1 ¶12935918
NNC IV 21 02 16 09.5–13 37.09N 70.95E 195–174 3.3,2.2b
ISC Event type ke.
IDC Error ellipse: s-maj=383.3km s-min=28.5km az=142.0.
NNC Error ellipse: s-maj=129.8km s-min=65.4km az=13.0.
ISC IV 21 14 23 40.3–.61 36.53N–.05 70.52E–.08 204 3.4b 48 3-85
IDC IV 21 14 23 38.0–3.8 36.38N 70.50E 184–33 3.4,3.3 ¶13438965
ISCJB IV 21 14 23 39.4–.40 36.53N–.03 70.41E–.07 204 3.3b,3.3
NNC IV 21 14 23 43.5–5.5 36.85N 70.38E 187–46 4.4,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=20.0km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.9km az=165.2.
NNC Error ellipse: s-maj=46.8km s-min=27.6km az=27.0.
ISC IV 22 01 03 19.1–1.5 36.7N–.10 70.7E–.10 64 3.4b 11 6-81
IDC IV 22 01 03 07.4–3.9 36.25N 71.20E 0 3.6,3.4 ¶12935984
ISCJB IV 22 01 03 17.0–1.3 36.67N–.08 70.8E–.10 64 3.3b,3.4
NNC IV 22 01 03 26.9–2.1 37.44N 70.65E 0 3.4b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=102.5km s-min=38.3km az=139.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=11.6km az=19.5.
NNC Error ellipse: s-maj=16.6km s-min=16.0km az=76.0.
ISC IV 23 18 42 15.7–.94 36.02N–.06 69.51E–.10 50 3.5b 54 3-85
IDC IV 23 18 42 11.8–.87 35.97N 69.84E 0 3.9,3.8 ¶12936005
NNC IV 23 18 42 19.3–2.4 36.27N 69.44E 84–32 4.2,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=16.3km az=87.0.
NNC Error ellipse: s-maj=17.7km s-min=16.1km az=3.0.
ISC IV 23 19 35 55.6–1.5 36.1N–.20 69.9E–.20 10 3.6b 6 7-65
IDC IV 23 19 35 53.7–2.5 35.95N 69.69E 0 3.7,3.6 ¶12936002

ISC Event type ke.
IDC Error ellipse: s-maj=64.5km s-min=30.9km az=156.0.
ISC IV 23 21 45 11.4–.81 36.48N–.07 70.83E–.10 188 3.4b 34 6-84
ISCJB IV 23 21 45 09.6–.61 36.35N–.05 70.68E–.09 188 3.4b ¶12935996
IDC IV 23 21 45 10.3–4.1 36.34N 70.93E 188–36 3.2,3.2b
NNC IV 23 21 45 11.4–10 36.87N 70.73E 0 4.2b,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.9km az=163.0.
IDC Error ellipse: s-maj=29.2km s-min=17.4km az=26.0.
NNC Error ellipse: s-maj=80.3km s-min=71.3km az=15.0.
ISC IV 25 03 16 40.2–.64 36.53N–.06 70.87E–.09 188 3.6b 41 3-84
IDC IV 25 03 16 35.5–4.8 36.21N 70.86E 148–42 3.5,3.4b ¶12936188
ISCJB IV 25 03 16 39.4–.43 36.55N–.04 70.81E–.08 188 3.5b,3.4b
NNC IV 25 03 16 48.0–4.2 37.22N 70.80E 174–33 3.9,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=17.4km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.2km az=157.5.
NNC Error ellipse: s-maj=39.2km s-min=20.6km az=32.0.
ISC IV 25 12 18 36.0–.81 36.65N–.06 70.9E–.10 188 3.3b 19 3-84
IDC IV 25 12 18 34.1–5.4 36.43N 71.06E 182–45 3.3,3.2b ¶12936155
ISCJB IV 25 12 18 35.6–.58 36.66N–.04 70.8E–.10 188 3.4b,3.2b
ISC Event type ke.
ISCJB Event type ke.
ISC IV 27 09 28 34.8–1.1 35.63N–.08 68.5E–.10 35 3.4b 21 3-64
IDC IV 27 09 28 29.5–2.5 35.40N 68.55E 0 3.6b,3.5 ¶12936304
ISCJB IV 27 09 28 33.9–.88 35.63N–.05 68.6E–.10 33 3.6b,3.5
NNC IV 27 09 28 38.9–4.3 35.99N 69.02E 8–33 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=70.0km s-min=25.5km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=6.3km az=157.3.
NNC Error ellipse: s-maj=35.8km s-min=32.8km az=155.0.
ISC IV 29 20 10 54.4–.38 36.58N–.04 70.99E–.05 225–3 4.2b 199 3-150
MOS IV 29 20 10 52.9–.71 36.56N 71.05E 221 4.3b ¶13439196
BJI IV 29 20 10 53.5 36.85N 70.92E 214 4.6b,4.4b
ISCJB IV 29 20 10 53.2–.34 36.59N–.02 71.02E–.05 224–3 4.0b,4.4b
IDC IV 29 20 10 54.1–.64 36.48N 70.96E 221–5 4.0,3.9
NEIC IV 29 20 10 54.3–.30 36.60N 70.98E 222 4.7b,3.9
NNC IV 29 20 10 58.4–3.3 37.11N 70.86E 185–27 5.3,3.9b
ISC Event type se.
MOS Error ellipse: s-maj=12.0km s-min=5.0km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.2km az=160.2.
IDC Error ellipse: s-maj=11.3km s-min=8.9km az=41.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.0km az=75.0.
NNC Error ellipse: s-maj=28.0km s-min=18.6km az=24.0.
ISC IV 30 19 16 03.7–.48 36.60N–.04 71.00E–.06 188 3.8b 82 3-84
ISCJB IV 30 19 16 02.6–.30 36.52N–.02 70.97E–.05 188 3.8b ¶13439232
IDC IV 30 19 16 04.5–2.7 36.47N 70.96E 195–26 3.7,3.5
NNC IV 30 19 16 09.2–1.2 37.01N 70.89E 193–8 4.7,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=2.7km az=162.1.
IDC Error ellipse: s-maj=14.9km s-min=11.6km az=27.0.
NNC Error ellipse: s-maj=9.8km s-min=7.9km az=38.0.
ISC V 01 12 20 56.4–6.3 35.3N–.30 68.9E–.40 35 8 8-9
NNC V 01 12 20 54.5–4.2 35.43N 68.76E 17–30 4.1b,3.5 ¶13546470
ISC Event type ke.
NNC Error ellipse: s-maj=43.4km s-min=32.1km az=97.0.
NNC V 02 18 18 42.4–11 36.77N 70.68E 117–248 3.6,2.9b
¶13546518
NNC Error ellipse: s-maj=96.0km s-min=75.9km az=8.0.
ISC V 07 01 49 17.7–1.1 36.6N–.10 70.2E–.10 213 3.5b 18 6-65
IDC V 07 01 49 08.2–11 36.14N 70.13E 130–106 3.9L,3.4 ¶16155469
ISCJB V 07 01 49 16.4–.85 36.57N–.07 70.2E–.10 213 3.3b,3.4
ISC Event type ke.
ISCJB Event type ke.
ISC V 10 04 00 32.3–2.0 36.7N–.20 67.2E–.20 35 16 7-63
IDC V 10 04 00 26.1–3.0 36.22N 67.72E 0 3.7b,3.6 ¶13553118
NNC V 10 04 00 29.9–5.5 36.48N 67.32E 42–86 3.7b,3.3
ISCJB V 10 04 00 29.5–1.4 36.7N–.10 67.3E–.10 33 3.7b,3.3
ISC Event type ke.
ISCJB Event type ke.
ISC V 11 10 51 04.2–3.8 35.1N–.20 69.3E–.30 49 13 8-16
NNC V 11 10 51 00.8–13 35.17N 69.45E 0 3.7b,3.3 ¶13553189
ISC Event type ke.
NNC Error ellipse: s-maj=164.8km s-min=112.4km az=75.0.
ISC V 12 20 42 48.0–1.1 36.82N–.06 70.4E–.10 36 15 3-17
ISCJB V 12 20 42 45.8–.86 36.85N–.04 70.3E–.10 36 ¶13568590
NNC V 12 20 42 48.4–11 37.10N 70.27E 6–67 3.7b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=5.3km az=176.6.
NNC Error ellipse: s-maj=79.7km s-min=62.2km az=179.0.
ISC V 12 21 18 53.6–1.3 36.40N–.07 69.3E–.10 48 21 3-18
ISCJB V 12 21 18 52.8–.94 36.42N–.04 69.4E–.10 48 ¶13568592
NNC V 12 21 19 00.7–4.5 36.71N 69.54E 157–47 4.1,2.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.7km s-min=5.4km az=169.9.
NNC Error ellipse: s-maj=37.2km s-min=24.1km az=17.0.
ISC V 13 02 31 04.0–1.8 36.2N–.20 69.4E–.20 112 10 7-64
IDC V 13 02 31 00.4–6.4 35.89N 69.59E 101–68 3.5L,3.2 ¶13568601
ISC Event type ke.
IDC Error ellipse: s-maj=99.1km s-min=40.0km az=124.0.
ISC V 13 04 37 42.1–.66 36.52N–.06 70.84E–.08 188 3.4b 41 3-84
IDC V 13 04 37 39.3–3.8 36.27N 70.82E 176–32 3.4,3.3 ¶13439544
ISCJB V 13 04 37 41.0–.51 36.51N–.04 70.74E–.07 188 3.4b,3.3
NNC V 13 04 37 44.5–17 36.76N 70.36E 176–215 3.3,2.7b
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=18.4km az=13.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.6km az=152.4.
NNC Error ellipse: s-maj=155.6km s-min=78.6km az=15.0.
ISC V 15 13 02 21.4–1.1 36.61N–.09 70.4E–.10 204 23 6-41
ISCJB V 15 13 02 20.5–.78 36.53N–.06 70.4E–.10 204 3.3b ¶13584190
IDC V 15 13 02 26.9–9.0 36.95N 70.39E 214–56 3.2b,3.0
NNC V 15 13 02 27.4–7.4 37.04N 70.39E 228–94 3.7,2.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=5.4km az=151.5.
IDC Error ellipse: s-maj=89.8km s-min=44.7km az=174.0.
NNC Error ellipse: s-maj=103.4km s-min=37.3km az=48.0.
ISC V 18 09 49 18.8–3.6 36.9N–.20 70.9E–.20 88 12 6-16
NNC V 18 09 49 13.3–3.4 36.92N 70.62E 0 3.9,3.8b ¶13584333
ISC Event type ke.
NNC Error ellipse: s-maj=32.6km s-min=28.0km az=75.0.
NNC V 19 13 23 47.6–9.3 36.89N 70.27E 0 3.7b,3.7
¶13584421
NNC Error ellipse: s-maj=100.9km s-min=81.2km az=82.0.
ISC V 21 01 55 33.4–.64 36.29N–.06 69.09E–.07 43 3.9b 44 3-75
IDC V 21 01 55 24.7–2.0 35.86N 69.34E 0 3.9,3.9b ¶13193060
ISCJB V 21 01 55 31.5–.47 36.27N–.04 69.11E–.06 43 3.8b,3.9b
NNC V 21 01 55 34.4–6.1 36.34N 68.99E 72–77 3.9,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=41.8km s-min=16.9km az=146.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.4km az=156.0.
NNC Error ellipse: s-maj=44.1km s-min=33.3km az=6.0.
ISC V 21 14 07 18.4–.73 36.51N–.06 70.73E–.10 204 3.5b 27 3-84
IDC V 21 14 07 14.1–5.4 36.20N 70.76E 167–49 3.2,3.2b ¶13598431
ISCJB V 21 14 07 17.6–.48 36.48N–.04 70.72E–.10 204 3.3b,3.2b
NNC V 21 14 07 25.7–8.1 37.16N 70.42E 156–88 3.2,2.6b
ISC Event type ke.
IDC Error ellipse: s-maj=38.2km s-min=18.6km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.3km az=168.6.
NNC Error ellipse: s-maj=66.8km s-min=38.5km az=18.0.
ISC V 23 10 55 51.1–.80 36.63N–.07 70.83E–.10 188 3.4b 25 3-84
IDC V 23 10 55 48.2–5.5 36.34N 71.00E 165–49 3.3,3.2 ¶13598513

ISCJB V 23 10 55 50.2–.52 36.60N–.04 70.90E–.09 188 3.4b,3.2
NNC V 23 10 55 54.1–8.5 36.87N 70.67E 165–86 3.8,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=40.3km s-min=20.5km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.7km az=175.6.
NNC Error ellipse: s-maj=70.4km s-min=44.1km az=20.0.
NNC V 23 14 50 19.9–3.1 36.80N 70.00E 0 3.6b,3.1
¶13598522

NNC Error ellipse: s-maj=26.5km s-min=24.1km az=96.0.
NNC V 24 17 31 37.2–4.0 36.28N 70.69E 90–93 3.5,3.2b
¶13598594

NNC Error ellipse: s-maj=30.7km s-min=29.9km az=12.0.
ISC V 27 01 27 41.7–.97 36.57N–.09 70.66E–.09 204 3.3b 30 7-81
IDC V 27 01 27 33.4–5.2 36.01N 70.67E 141–42 3.5s,3.5 ¶13653546
ISCJB V 27 01 27 41.6–.64 36.59N–.05 70.69E–.08 204 3.3b,3.5
NNC V 27 01 27 43.4–7.2 36.81N 70.46E 174–67 3.3,2.5b
ISC Event type ke.
IDC Error ellipse: s-maj=48.9km s-min=30.8km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.7km az=148.2.
NNC Error ellipse: s-maj=59.9km s-min=37.7km az=20.0.
NNC V 28 02 48 32.6–4.5 36.82N 70.57E 142–68 3.7,2.8b
¶13653625

NNC Error ellipse: s-maj=39.0km s-min=25.7km az=27.0.
ISC V 28 04 29 24.1–1.5 36.40N–.09 69.0E–.10 43 16 4-16
ISCJB V 28 04 29 22.5–1.0 36.44N–.06 69.0E–.10 43 ¶13653626
NNC V 28 04 29 28.9–6.9 36.62N 69.12E 130–121 3.9,2.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=6.1km az=155.3.
NNC Error ellipse: s-maj=55.2km s-min=41.7km az=27.0.
ISC V 30 21 57 26.1–3.4 36.6N–.20 70.1E–.20 213 14 6-15
NNC V 30 21 57 19.5–6.8 36.53N 69.98E 0 3.8,3.8b ¶13659447
ISC Event type ke.
NNC Error ellipse: s-maj=57.4km s-min=47.1km az=160.0.
ISC VI 01 04 08 54.5–.90 36.67N–.07 70.6E–.20 250 14 3-81
ISCJB VI 01 04 08 53.3–.66 36.71N–.05 70.5E–.10 250 2.7b ¶13659512
IDC VI 01 04 08 55.1–5.0 36.64N 70.88E 273–39 2.9,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=6.5km az=179.9.
IDC Error ellipse: s-maj=66.3km s-min=29.7km az=144.0.
ISC VI 01 04 27 07.2–.86 35.97N–.06 70.4E–.10 110 29 2-65
ISCJB VI 01 04 27 07.0–.57 35.94N–.04 70.50E–.09 110 3.0b ¶13659513
IDC VI 01 04 27 07.4–16 35.84N 70.36E 96–152 3.6L,3.4b
NNC VI 01 04 27 14.5–4.2 36.46N 70.23E 88–57 3.8,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=4.3km az=157.6.
IDC Error ellipse: s-maj=115.8km s-min=51.1km az=165.0.
NNC Error ellipse: s-maj=31.2km s-min=27.0km az=12.0.
IDC VI 01 20 35 22.8–6.4 36.03N 70.05E 189–56 2.9,2.9b
¶16066180

IDC Error ellipse: s-maj=48.1km s-min=37.3km az=44.0.
NNC VI 04 05 51 21.5–6.4 36.99N 70.74E 0 3.6b,3.4
¶13680391

NNC Error ellipse: s-maj=52.3km s-min=44.8km az=160.0.
ISC VI 06 02 17 01.8–.45 36.32N–.04 70.05E–.04 129–4 4.0b 141 2-85
BJI VI 06 02 16 59.2 36.42N 69.67E 132 4.5b,4.2b ¶13439942
ISCJB VI 06 02 17 00.6–.36 36.26N–.02 70.07E–.04 136–4 4.0b,4.2b
MOS VI 06 02 17 01.4–1.2 36.27N 70.08E 136 4.0b,4.2b
IDC VI 06 02 17 01.8–.99 36.21N 70.10E 136–8 3.8,3.7
NEIC VI 06 02 17 02.1–.74 36.33N 69.92E 131–9 4.4b,3.7
NNC VI 06 02 17 07.6–2.1 36.77N 69.75E 166–19 4.9,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.2km az=173.0.
MOS Error ellipse: s-maj=11.3km s-min=5.2km az=80.7.
IDC Error ellipse: s-maj=14.1km s-min=11.9km az=123.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.6km az=117.0.
NNC Error ellipse: s-maj=15.7km s-min=14.3km az=14.0.
ISC VI 06 16 57 11.9–1.0 36.48N–.06 67.06E–.09 35 3.8b 64 5-87
IDC VI 06 16 57 07.9–.92 36.15N 67.39E 0 4.1L,4.0 ¶13469925
ISCJB VI 06 16 57 10.3–.55 36.48N–.03 67.19E–.07 33 3.9b,4.0
MOS VI 06 16 57 10.7–1.4 36.46N 67.33E 31 4.1b,4.0
NNC VI 06 16 57 14.9–1.9 36.77N 66.99E 25 4.3b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=16.7km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.2km az=163.3.
MOS Error ellipse: s-maj=18.9km s-min=7.6km az=80.4.
NNC Error ellipse: s-maj=14.9km s-min=11.5km az=10.0.
ISC VI 07 00 05 32.6–.43 36.54N–.04 70.18E–.05 213 4.1b 120 3-126
MOS VI 07 00 05 30.8–.77 36.48N 70.10E 210 4.1b ¶13680707
ISCJB VI 07 00 05 31.2–.29 36.52N–.03 70.14E–.05 213 4.0b
BJI VI 07 00 05 31.8 36.61N 70.12E 205 4.6b,4.5b
IDC VI 07 00 05 32.4–2.0 36.51N 70.16E 210–18 3.8,3.7
NNC VI 07 00 05 42.5–3.3 37.34N 70.70E 231–23 4.3,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=11.6km s-min=5.4km az=78.6.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=159.3.
IDC Error ellipse: s-maj=11.0km s-min=10.0km az=141.0.
NNC Error ellipse: s-maj=29.0km s-min=24.1km az=30.0.
ISC VI 09 06 38 20.0–.86 36.75N–.06 70.9E–.10 188 3.3b 17 3-81
IDC VI 09 06 38 17.2–4.9 36.39N 71.09E 217–38 3.2,3.1 ¶13680954
ISCJB VI 09 06 38 19.9–.66 36.73N–.04 70.7E–.10 188 3.3b,3.1
NNC VI 09 06 38 27.2–17 37.25N 71.71E 297–206 3.5,2.4b
ISC Event type ke.
IDC Error ellipse: s-maj=65.7km s-min=32.4km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=5.2km az=172.9.
NNC Error ellipse: s-maj=197.6km s-min=100.5km az=4.0.
ISC VI 10 00 56 17.4–.98 36.29N–.08 69.7E–.10 100 3.5b 32 3-96
IDC VI 10 00 56 03.5–1.1 35.79N 69.73E 0 3.9,3.9b ¶13469955
ISCJB VI 10 00 56 15.8–.80 36.20N–.05 69.4E–.10 100 3.6b,3.9b
NNC VI 10 00 56 26.2–3.5 36.88N 69.54E 115–43 3.9,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=37.1km s-min=24.6km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=6.1km az=157.4.
NNC Error ellipse: s-maj=26.7km s-min=20.0km az=12.0.
ISC VI 10 13 40 36.1–.62 36.57N–.05 70.99E–.08 188 3.6b 57 3-84
IDC VI 10 13 40 31.7–4.0 36.28N 70.89E 154–34 3.6,3.4 ¶13469958
ISCJB VI 10 13 40 34.6–.48 36.45N–.04 70.85E–.08 188 3.6b,3.4
NNC VI 10 13 40 36.0–6.3 36.92N 69.68E 0 4.2b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=18.5km az=33.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=3.4km az=154.5.
NNC Error ellipse: s-maj=75.5km s-min=43.8km az=113.0.
NNC VI 11 02 53 00.6–7.0 35.90N 68.42E 0 3.6b,3.4
¶13762468

NNC Error ellipse: s-maj=67.6km s-min=51.2km az=131.0.
ISC VI 12 09 52 52.9–1.3 36.5N–.10 69.6E–.20 48 8 3-16
NNC VI 12 09 52 59.6–4.1 37.07N 69.43E 0 4.1b,3.8 ¶13762527
ISC Event type ke.
NNC Error ellipse: s-maj=35.4km s-min=27.0km az=131.0.
ISC VI 14 06 37 55.7–.67 36.59N–.06 70.70E–.09 300 3.6b 53 3-85
IDC VI 14 06 37 53.3–4.0 36.49N 70.54E 260–38 3.4,3.4 ¶13383477
ISCJB VI 14 06 37 55.6–.38 36.64N–.03 70.67E–.07 300 3.6b,3.4
NNC VI 14 06 38 00.8–3.0 37.15N 70.51E 271–23 4.0,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=18.1km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=3.4km az=159.2.
NNC Error ellipse: s-maj=33.9km s-min=18.3km az=32.0.
NNC VI 18 06 22 38.5–6.1 36.58N 69.21E 0 3.7b,3.6
¶13840846

NNC Error ellipse: s-maj=70.2km s-min=49.5km az=80.0.
ISC VI 19 03 01 52.6–1.4 36.7N–.10 70.8E–.10 88 3.6b 17 6-81
IDC VI 19 03 01 47.5–6.3 36.07N 71.48E 85–50 3.5,3.5L ¶13383509
ISCJB VI 19 03 01 51.6–1.3 36.69N–.09 71.0E–.10 88 3.7b,3.5L
NNC VI 19 03 01 59.7–7.8 37.10N 71.22E 198–79 3.8,2.8b
ISC Event type ke.
IDC Error ellipse: s-maj=71.8km s-min=36.6km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=11.7km az=39.6.
NNC Error ellipse: s-maj=105.2km s-min=41.8km az=49.0.
ISC VI 19 07 56 32.9–1.0 36.68N–.07 68.5E–.10 24 17 4-81
NNC VI 19 07 56 32.8–7.0 36.87N 68.08E 0 3.7b,3.6 ¶13681643
IDC VI 19 07 56 40.6–5.7 36.46N 69.35E 136–44 3.0s,3.0
ISC Event type ke.
NNC Error ellipse: s-maj=58.8km s-min=40.3km az=176.0.
IDC Error ellipse: s-maj=74.3km s-min=30.9km az=145.0.
ISC VI 20 12 47 55.9–.58 36.51N–.05 70.25E–.07 204 3.5b 54 3-85
ISCJB VI 20 12 47 54.5–.46 36.43N–.03 70.08E–.06 204 3.4b ¶13681721
IDC VI 20 12 47 56.2–3.2 36.35N 70.29E 220–30 3.4,3.3
NNC VI 20 12 48 01.0–7.5 36.92N 70.26E 184–66 4.0,3.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.2km az=157.8.
IDC Error ellipse: s-maj=21.9km s-min=19.0km az=47.0.
NNC Error ellipse: s-maj=61.0km s-min=38.1km az=10.0.
ISC VI 20 20 38 46.0–4.0 36.4N–.30 70.8E–.20 188 8 6-17
NNC VI 20 20 38 37.4–15 36.27N 71.12E 0 3.8b,3.8 ¶13841013
ISC Event type ke.
NNC Error ellipse: s-maj=173.1km s-min=112.9km az=112.0.
ISC VI 21 13 46 03.4–.37 36.53N–.03 70.91E–.03 195–3 4.4b 332 2-150
BJI VI 21 13 46 00.0 36.67N 70.50E 189 4.8b,4.7b ¶13202285
MOS VI 21 13 46 02.7–.89 36.51N 70.89E 197 4.5b,4.7b
ISCJB VI 21 13 46 02.2–.26 36.50N–.02 70.89E–.03 193–3 4.2b,4.7b
NEIC VI 21 13 46 03.4–.54 36.50N 70.88E 192–5 4.4b,4.7b
IDC VI 21 13 46 05.5–1.6 36.55N 70.93E 215–15 4.0,3.9
NNC VI 21 13 46 10.9–1.2 37.22N 70.90E 188–10 5.0,3.9b
ISC Event type se.
MOS Error ellipse: s-maj=7.0km s-min=4.1km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.8km az=158.1.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.6km az=195.0.
IDC Error ellipse: s-maj=9.2km s-min=8.3km az=11.0.
NNC Error ellipse: s-maj=9.2km s-min=7.6km az=11.0.
ISC VI 21 23 40 49.2–.66 36.60N–.06 69.78E–.08 213 3.4b 46 3-85
ISCJB VI 21 23 40 48.5–.43 36.61N–.04 69.68E–.07 213 3.4b ¶13383537
IDC VI 21 23 40 50.1–2.9 36.46N 70.02E 243–28 3.4,3.4
NNC VI 21 23 40 53.9–4.0 36.95N 69.86E 218–33 4.0,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.9km az=0.7.
IDC Error ellipse: s-maj=19.9km s-min=14.7km az=178.0.
NNC Error ellipse: s-maj=35.2km s-min=19.5km az=7.0.
ISC VI 23 00 32 31.3–.74 36.67N–.06 70.99E–.09 200 3.9b 42 3-81
IDC VI 23 00 32 28.0–4.3 36.40N 71.00E 178–35 3.6,3.6b ¶13681869
ISCJB VI 23 00 32 31.1–.41 36.71N–.03 70.89E–.07 200 3.7b,3.6b
NNC VI 23 00 32 41.5–7.1 37.40N 71.53E 238–61 3.9,2.8b
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=21.1km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.1km az=166.1.
NNC Error ellipse: s-maj=68.1km s-min=37.4km az=8.0.
ISC VI 23 02 03 13.6–.91 36.22N–.06 70.5E–.10 110 13 3-82
IDC VI 23 02 03 12.8–8.0 36.07N 70.52E 90–75 3.2,3.2b ¶13681877
ISCJB VI 23 02 03 13.1–.64 36.21N–.04 70.4E–.10 110 3.3b,3.2b
NNC VI 23 02 03 22.5–9.9 36.77N 70.77E 198–140 3.5,2.4b
ISC Event type ke.
IDC Error ellipse: s-maj=56.0km s-min=33.0km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=5.2km az=169.8.
NNC Error ellipse: s-maj=92.6km s-min=55.3km az=18.0.
ISC VI 24 10 57 16.4–.69 36.50N–.06 70.41E–.08 204 3.4b 47 3-85
IDC VI 24 10 57 12.3–4.5 36.24N 70.40E 164–38 3.3,3.3b ¶13681959
ISCJB VI 24 10 57 16.0–.45 36.47N–.03 70.43E–.07 204 3.3b,3.3b
NNC VI 24 10 57 19.9–7.3 36.91N 69.92E 142–92 4.1,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=19.0km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=3.8km az=156.6.
NNC Error ellipse: s-maj=59.3km s-min=27.4km az=13.0.
ISC VI 24 23 42 17.3–3.1 36.9N–.20 70.3E–.10 200 21 6-18
NNC VI 24 23 42 19.2–3.3 37.03N 70.35E 208–27 3.8,2.9b ¶13841343
ISC Event type ke.
NNC Error ellipse: s-maj=28.5km s-min=17.4km az=9.0.
IDC VI 26 22 09 04.8–1.3 36.28N 68.05E 0 3.6,3.6
¶13682090

IDC Error ellipse: s-maj=29.8km s-min=17.6km az=131.0.
ISC VI 28 01 28 38.6–.67 36.54N–.06 70.67E–.09 204 3.6b 47 3-84
ISCJB VI 28 01 28 37.7–.44 36.48N–.03 70.75E–.07 204 3.5b ¶13383583
IDC VI 28 01 28 38.8–2.5 36.39N 70.81E 209–23 3.6,3.5
NNC VI 28 01 28 41.6–5.1 36.82N 70.53E 187–39 4.9,3.5b
NDI VI 28 01 30 48.5–2.3 31.92N 75.26E 9–125 2.9L,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.5km az=163.2.
IDC Error ellipse: s-maj=18.1km s-min=14.1km az=130.0.
NNC Error ellipse: s-maj=49.1km s-min=24.2km az=33.0.
NDI Error ellipse: s-maj=96.0km s-min=120.7km az=-1.0.
NNC VI 29 16 32 37.7–4.3 36.92N 70.41E 0 4.1b,3.5
¶13841743

NNC Error ellipse: s-maj=34.1km s-min=25.0km az=175.0.
IDC VI 30 12 43 34.0–4.9 36.34N 70.96E 200–47 3.1s,3.1
¶13682311

IDC Error ellipse: s-maj=35.7km s-min=26.0km az=26.0.
ISC VI 30 13 36 24.1–.65 36.50N–.06 70.50E–.09 204 3.3b 41 3-85
IDC VI 30 13 36 21.2–4.2 36.29N 70.44E 178–37 3.3,3.3b ¶13682314
ISCJB VI 30 13 36 23.6–.46 36.51N–.04 70.45E–.08 204 3.3b,3.3b
ISC Event type ke.
ISCJB Event type ke.

(719) Tajikistan-Xinjiang border region.

ISC I 01 22 27 37.1–3.0 39.9N–.20 73.91E–.09 10 18 2-14
NNC I 01 22 27 33.4–2.8 39.67N 73.55E 0–15 3.5b,3.2 ¶11712486
ISC Event type ke.
NNC Error ellipse: s-maj=27.1km s-min=11.0km az=4.0.
ISC I 03 13 06 27.4–1.2 39.84N–.09 73.61E–.08 29 3.5b 33 2-85
IDC I 03 13 06 22.7–1.1 39.46N 73.64E 0 3.4b,3.4 ¶11712514
ISCJB I 03 13 06 25.5–.85 39.71N–.07 73.52E–.08 29 3.4b,3.4
NNC I 03 13 06 26.8–3.7 39.97N 73.74E 0 3.3b,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=19.5km s-min=16.1km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=8.3km az=11.4.
NNC Error ellipse: s-maj=30.0km s-min=13.9km az=168.0.
ISC I 04 18 29 10.2–1.5 39.9N–.10 73.80E–.06 10 3.8b 43 2-71
IDC I 04 18 29 03.8–1.4 39.21N 73.64E 0 3.9,3.8b ¶13404604
NNC I 04 18 29 09.5–1.4 39.72N 73.43E 0 3.9b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=16.3km az=159.0.
NNC Error ellipse: s-maj=13.5km s-min=6.2km az=13.0.
ISC I 04 23 01 09.6–2.7 38.7N–.20 73.13E–.09 103 30 3-67
IDC I 04 23 01 11.3–2.3 39.21N 73.62E 0 3.9b,3.4 ¶11712598
NNC I 04 23 01 14.3–2.3 39.28N 72.86E 0 3.6b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=43.1km s-min=20.1km az=136.0.
NNC Error ellipse: s-maj=19.6km s-min=10.2km az=10.0.
ISC I 09 13 59 19.7–.69 39.40N–.07 73.66E–.06 29 3.7b 74 3-82
IDC I 09 13 59 15.2–1.0 39.25N 73.64E 0 3.9,3.8b ¶11712682
MOS I 09 13 59 19.7–1.8 39.54N 73.42E 33 4.1b,3.8b
NNC I 09 13 59 27.3–2.3 40.20N 73.56E 0 4.0b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=16.1km az=152.0.
MOS Error ellipse: s-maj=16.3km s-min=7.6km az=93.5.
NNC Error ellipse: s-maj=23.6km s-min=10.6km az=172.0.

ISC I 11 20 40 54.2–4.3 39.1N–.30 73.7E–.10 10 22 3-14
NNC I 11 20 40 59.6–2.7 39.78N 73.79E 0 3.8b,3.4 **¶12698762**
ISC Event type ke.
NNC Error ellipse: s-maj=24.5km s-min=11.4km az=8.0.
ISC I 14 06 09 21.3–.37 38.35N–.03 73.61E–.04 107 4.3b 149 2-152
ISCJB I 14 06 09 19.6–.24 38.25N–.02 73.55E–.04 107 4.2b **¶13404849**
MOS I 14 06 09 19.1–1.2 38.15N 73.45E 110 4.4b
NEIC I 14 06 09 20.0–.86 38.16N 73.55E 102–10 4.5b
NNC I 14 06 09 20.8–5.4 38.64N 73.35E 0 4.6b,4.6
IDC I 14 06 09 22.6–5.1 38.33N 73.50E 114–42 4.1,3.9
BJI I 14 06 09 27.6 38.90N 73.90E 135 4.7b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.0km az=163.3.
MOS Error ellipse: s-maj=14.0km s-min=5.9km az=99.2.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=4.9km az=59.0.
NNC Error ellipse: s-maj=45.1km s-min=29.5km az=171.0.
IDC Error ellipse: s-maj=36.1km s-min=16.9km az=170.0.
ISC I 16 12 35 54.4–.72 39.52N–.03 73.39E–.04 30–5 4.4b,3.6s 259 2-93
IDC I 16 12 35 49.5–.59 39.37N 73.41E 0 4.4,4.3 **¶13405760**
NNC I 16 12 35 49.1–1.2 39.37N 73.21E 0 4.8b,4.7
BJI I 16 12 35 50.5 39.40N 73.30E 20 4.5b,4.4b
MOS I 16 12 35 53.7–1.2 39.52N 73.40E 33 4.6b,4.4b
ISCJB I 16 12 35 54.8–.44 39.45N–.02 73.43E–.04 48–4 4.4b,3.5s
NEIC I 16 12 35 56.9–1.0 39.59N 73.38E 49–9 4.5b,3.5s
SZGRF I 16 12 35 57.3 40.23N 74.03E 33 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=10.3km az=2.0.
NNC Error ellipse: s-maj=11.1km s-min=5.2km az=18.0.
MOS Error ellipse: s-maj=7.6km s-min=5.0km az=113.7.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.6km az=3.6.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.2km az=175.0.
SZGRF Kyrgyzstan-Xinjiang border region.
ISC I 17 15 36 06.7–2.8 38.7N–.20 73.52E–.10 38 16 2-14
NNC I 17 15 36 12.0–12 39.24N 73.60E 0 3.7b,3.4 **¶11712791**
ISC Event type ke.
NNC Error ellipse: s-maj=111.7km s-min=51.0km az=154.0.
ISC I 17 20 08 21.9–.28 39.63N–.03 73.72E–.04 29 4.5b,4.0s 279 2-95
NEIC I 17 20 08 16.6–2.6 39.48N 73.54E 1–17 4.8b,4.0s **¶13405802**
IDC I 17 20 08 17.4–.57 39.59N 73.45E 0 4.4,4.3
BJI I 17 20 08 19.3 39.68N 73.54E 12 4.9b,4.6s
ISCJB I 17 20 08 20.3–.17 39.56N–.02 73.60E–.03 29 4.5b,4.0s
MOS I 17 20 08 21.6–1.7 39.69N 73.55E 33 4.7b,4.0s
NNC I 17 20 08 22.4–3.4 39.85N 73.44E 0 4.9,4.8b
SZGRF I 17 20 08 32.0 40.76N 73.49E 33 4.5b,4.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.9km az=56.0.
IDC Error ellipse: s-maj=12.8km s-min=10.1km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.9km az=145.6.
MOS Error ellipse: s-maj=6.9km s-min=4.6km az=105.1.
NNC Error ellipse: s-maj=30.4km s-min=16.8km az=3.0.
SZGRF Kyrgyzstan.
ISC I 29 12 44 00.4–.70 38.59N–.05 73.63E–.10 107 3.9b 45 2-79
ISCJB I 29 12 43 58.2–.42 38.54N–.03 73.53E–.08 107 3.9b **¶12082664**
BJI I 29 12 44 01.5 38.54N 73.65E 49 3.7L
NNC I 29 12 44 06.6–2.1 39.16N 73.41E 138–16 3.9,3.4b
IDC I 29 12 44 12.6–4.0 39.64N 73.50E 149–27 3.5,3.4b
DMN I 29 12 45 51.0–21 32.27N 80.82E 60 4.2b,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.9km az=171.4.
NNC Error ellipse: s-maj=24.2km s-min=8.5km az=19.0.
IDC Error ellipse: s-maj=50.2km s-min=29.5km az=149.0.
DMN Event type ke. Error ellipse: s-maj=541.9km s-min=25.9km az=141.0.
ISC I 30 19 38 47.1–2.6 39.6N–.20 73.4E–.10 10 3.9b 20 2-68
IDC I 30 19 38 47.2–3.0 39.47N 72.41E 0 3.9b,3.7 **¶11682546**
ISC Event type ke.
IDC Error ellipse: s-maj=70.8km s-min=22.3km az=151.0.
ISC II 06 22 29 43.5–3.6 39.0N–.20 73.8E–.10 47 17 2-5
¶16408960
ISC Event type ke.
ISC II 15 08 22 55.7–13 38.8N–1.0 74.1E–.20 10 6 2-5
¶16408992
ISC Event type ke.
ISC II 15 22 02 52.8–1.8 39.6N–.10 73.6E–.10 10 3.6b 16 3-68
IDC II 15 22 02 52.2–1.9 39.59N 73.40E 0 3.8b,3.6 **¶12700836**
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=15.3km az=132.0.
ISC II 17 04 35 19.8–1.1 39.39N–.08 73.57E–.06 10 3.4b 23 2-78
IDC II 17 04 35 18.1–2.0 39.40N 73.63E 0 3.3,3.3b **¶12700979**
NNC II 17 04 35 29.1–1.2 39.72N 73.31E 0 3.6b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=20.2km az=132.0.
NNC Error ellipse: s-maj=11.8km s-min=4.7km az=18.0.
ISC II 17 14 26 16.7–.99 39.73N–.08 73.88E–.07 28 3.6b 32 2-84
BJI II 17 14 26 03.6 39.42N 72.88E 10 3.6L **¶12701020**
IDC II 17 14 26 11.7–.97 39.53N 74.04E 0 3.7,3.6b
NNC II 17 14 26 12.8–.66 39.64N 73.81E 0 3.9b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=13.4km az=100.0.
NNC Error ellipse: s-maj=6.3km s-min=2.8km az=11.0.
ISC II 26 07 50 50.1–.23 38.39N–.03 74.16E–.03 139 4.6b 419 2-153
DJA II 26 07 50 42 38.03N 74.94E 10 5.1b **¶13435103**
MOS II 26 07 50 46.3–1.2 38.27N 74.13E 120 4.7b
ISCJB II 26 07 50 48.3–.15 38.32N–.02 74.14E–.03 140 4.5b
BJI II 26 07 50 48.6 38.51N 74.10E 133 5.0b,4.8b
IDC II 26 07 50 49.9–.58 38.31N 74.08E 140–4 4.3,4.3
NEIC II 26 07 50 49.6–.23 38.24N 74.19E 141 4.8b,4.3
NNC II 26 07 50 54.6–1.5 38.91N 73.85E 184–15 5.2,4.4b
SZGRF II 26 07 51 10.8 38.88N 74.26E 33 5.0b,4.4b
ISC Event type se.
MOS Error ellipse: s-maj=7.1km s-min=4.4km az=103.1.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.6km az=141.7.
IDC Error ellipse: s-maj=9.6km s-min=7.5km az=13.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.6km az=50.0.
NNC Error ellipse: s-maj=15.5km s-min=6.6km az=3.0.
SZGRF Tajikistan-Xinjiang border region.
ISC II 26 08 38 21.5–.53 39.54N–.05 73.76E–.05 10 4.0b,3.5s 48 2-84
ISCJB II 26 08 38 19.0–.33 39.64N–.03 73.84E–.06 10 3.9b,3.5s **¶12701909**
IDC II 26 08 38 18.0–.70 39.43N 73.79E 0 4.2,4.0
NNC II 26 08 38 19.3–2.2 39.45N 73.80E 0 4.4b,4.3
BJI II 26 08 38 21.2 39.69N 73.81E 8 4.6b,4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=177.8.
IDC Error ellipse: s-maj=14.4km s-min=10.0km az=111.0.
NNC Error ellipse: s-maj=19.1km s-min=10.0km az=5.0.
ISC II 27 03 13 53.0–.61 38.41N–.06 73.67E–.07 107 3.7b 55 2-79
ISCJB II 27 03 13 52.0–.31 38.36N–.03 73.61E–.07 107 3.6b **¶12054421**
IDC II 27 03 13 54.6–2.7 38.47N 73.44E 113–21 3.6,3.5
NNC II 27 03 13 55.4–6.1 38.88N 73.28E 0 4.2b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.7km az=173.4.
IDC Error ellipse: s-maj=25.1km s-min=14.4km az=148.0.
NNC Error ellipse: s-maj=61.9km s-min=31.5km az=19.0.
ISC III 03 05 33 36.5–13 38.8N–1.0 74.2E–.20 10 8 2-5
¶16525159
ISC Event type ke.
ISC III 07 07 32 09.9–3.8 39.0N–.30 73.4E–.10 38 9 2-5
¶16525143
ISC Event type ke.
ISC III 08 13 54 40.4–2.0 39.7N–.10 73.87E–.09 10 15 2-15
NNC III 08 13 54 41.2–1.8 39.78N 73.84E 0 3.3b,3.1 **¶13435745**
ISC Event type ke.
NNC Error ellipse: s-maj=14.7km s-min=8.7km az=1.0.
ISC III 08 13 57 39.8–1.6 39.7N–.10 73.53E–.08 10 3.8b 22 2-68
IDC III 08 13 57 35.5–2.6 39.34N 73.78E 0 3.8b,3.5 **¶12702723**
NNC III 08 13 57 39.6–1.4 39.61N 73.52E 0 3.6b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=47.6km s-min=19.5km az=124.0.
NNC Error ellipse: s-maj=14.1km s-min=5.9km az=16.0.
ISC III 11 06 54 56.9–1.5 39.8N–.10 73.5E–.10 14 3.6b 21 2-85
IDC III 11 06 54 52.2–.99 39.46N 73.80E 0 3.7b,3.7 **¶12702954**
NNC III 11 06 54 57.2–4.0 39.62N 73.54E 0 3.7b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=13.4km az=98.0.
NNC Error ellipse: s-maj=39.0km s-min=17.1km az=153.0.
ISC III 12 00 03 26.4–.91 38.45N–.05 73.22E–.10 103 21 2-14
ISCJB III 12 00 03 26.2–.51 38.38N–.04 73.5E–.10 103 **¶13436041**
NNC III 12 00 03 30.8–3.0 39.15N 72.79E 0 3.5b,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=4.7km az=11.9.
NNC Error ellipse: s-maj=23.4km s-min=14.2km az=179.0.
ISC III 12 18 01 25.4–.94 39.28N–.09 73.71E–.07 29 3.6b 51 2-84
IDC III 12 18 01 20.6–.86 39.28N 73.85E 0 3.9,3.8 **¶12703098**
BJI III 12 18 01 22.8 39.27N 73.66E 10 4.4b,3.9L
ISCJB III 12 18 01 23.6–.67 39.16N–.06 73.55E–.08 29 3.6b,3.9L
MOS III 12 18 01 24.2–1.6 39.24N 73.50E 33 4.1b,3.9L
NNC III 12 18 01 28.3–2.5 39.74N 73.40E 0 4.0b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=12.3km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=8.6km az=147.7.
MOS Error ellipse: s-maj=18.3km s-min=7.5km az=83.7.
NNC Error ellipse: s-maj=23.5km s-min=10.4km az=12.0.
ISC III 14 04 17 24.4–.82 39.65N–.07 73.99E–.06 10 3.7b 35 2-84
IDC III 14 04 17 21.9–.81 39.40N 73.71E 0 3.8,3.7 **¶12703224**
NNC III 14 04 17 25.4–2.5 39.64N 73.55E 0 3.8b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=15.6km s-min=13.1km az=129.0.
NNC Error ellipse: s-maj=26.0km s-min=13.2km az=26.0.
ISC III 17 22 33 44.3–.98 39.71N–.09 73.80E–.08 29 3.8b 25 2-84
IDC III 17 22 33 39.5–.87 39.46N 73.88E 0 3.8,3.7b **¶12703544**
NNC III 17 22 33 44.3–2.8 39.74N 73.80E 0 3.7b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=12.0km az=95.0.
NNC Error ellipse: s-maj=24.7km s-min=11.7km az=8.0.
ISC III 22 03 47 54.7–3.8 39.1N–.20 73.3E–.10 10 10 3-14
NNC III 22 03 47 53.6–4.2 39.18N 73.32E 0 3.1b,2.8 **¶13436985**
ISC Event type ke.
NNC Error ellipse: s-maj=32.6km s-min=18.2km az=177.0.
IDC III 23 06 26 43.3–1.6 37.76N 74.96E 0 3.5,3.5b
¶12635362
IDC Error ellipse: s-maj=32.6km s-min=23.6km az=110.0.
ISC III 27 21 15 34.2–.56 38.28N–.05 74.20E–.07 124 4.0b 58 2-79
ISCJB III 27 21 15 33.0–.32 38.34N–.02 74.15E–.07 124 3.8b **¶12604814**
BJI III 27 21 15 35.1 38.59N 74.16E 128 4.6b,4.1b
NNC III 27 21 15 35.6–4.9 38.86N 73.74E 0 4.1,4.0b
IDC III 27 21 15 37.1–1.5 38.54N 73.86E 130–9 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.2km az=173.1.
NNC Error ellipse: s-maj=40.3km s-min=24.7km az=169.0.
IDC Error ellipse: s-maj=23.9km s-min=16.4km az=133.0.
ISC IV 03 17 19 28.8–3.2 39.8N–.20 73.73E–.09 14 12 2-14
NNC IV 03 17 19 24.7–5.1 39.48N 73.39E 1–25 3.1b,2.7 **¶12606062**
ISC Event type ke.
NNC Error ellipse: s-maj=45.9km s-min=22.0km az=2.0.
ISC IV 08 16 42 27.1–1.5 38.3N–.10 73.85E–.10 124 3.8b 29 4-68
ISCJB IV 08 16 42 26.8–1.1 38.20N–.08 73.63E–.10 124 3.8b **¶12606932**
IDC IV 08 16 42 29.3–4.9 38.29N 74.12E 152–38 3.4b,3.2
NNC IV 08 16 42 32.3–5.9 38.53N 73.81E 138–68 3.4,2.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=10.0km az=142.8.
IDC Error ellipse: s-maj=46.1km s-min=41.4km az=118.0.
NNC Error ellipse: s-maj=54.7km s-min=26.1km az=2.0.
ISC IV 09 05 18 18.9–2.9 38.9N–.20 75.0E–.10 10 6 4-79
IDC IV 09 05 18 14.8–3.2 38.93N 74.79E 0 3.4,3.3 **¶12607009**
ISC Event type ke.
IDC Error ellipse: s-maj=51.7km s-min=30.6km az=62.0.
ISC IV 11 06 18 47.6–3.2 38.7N–.20 73.7E–.10 107 13 3-15
NNC IV 11 06 18 49.4–2.7 39.06N 73.66E 0 3.6b,3.2 **¶12607368**
ISC Event type ke.
NNC Error ellipse: s-maj=21.6km s-min=12.4km az=170.0.
ISC IV 12 17 41 15.8–12 39.5N–1.0 73.4E–.20 29 13 3-12
NNC IV 12 17 41 15.2–2.9 39.75N 73.48E 0 3.6b,3.3 **¶12607654**
ISC Event type ke.
NNC Error ellipse: s-maj=27.9km s-min=15.9km az=178.0.
ISC IV 21 14 00 33.8–1.2 39.54N–.09 73.36E–.09 29 3.5b 13 3-85
IDC IV 21 14 00 29.1–1.1 39.35N 73.67E 0 3.5,3.4 **¶12668746**
NNC IV 21 14 00 34.0–2.2 39.69N 73.45E 0 3.5b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=14.6km az=102.0.
NNC Error ellipse: s-maj=19.3km s-min=10.0km az=10.0.
ISC IV 24 13 23 12.7–1.0 39.25N–.08 73.01E–.09 10 3.4b 19 2-82
NNC IV 24 13 23 05.0–10 38.33N 72.56E 0 3.8,3.8b **¶12693018**
IDC IV 24 13 23 10.5–1.2 39.09N 73.04E 0 3.5,3.4
ISC Event type ke.
NNC Error ellipse: s-maj=84.0km s-min=55.6km az=173.0.
IDC Error ellipse: s-maj=24.1km s-min=16.8km az=123.0.
ISC IV 25 19 14 06.6–1.3 39.5N–.10 73.18E–.10 10 3.6b 25 3-85
IDC IV 25 19 14 03.2–1.2 39.35N 73.95E 0 3.6,3.5 **¶12704775**
NNC IV 25 19 14 07.1–5.9 39.51N 73.18E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=19.6km az=89.0.
NNC Error ellipse: s-maj=49.4km s-min=28.8km az=0.0.
ISC IV 28 21 15 23.0–.56 38.31N–.05 74.02E–.06 124 3.9b 50 2-79
IDC IV 28 21 15 20.7–4.5 38.13N 74.10E 110–33 3.5,3.5b **¶13439166**
ISCJB IV 28 21 15 22.4–.32 38.26N–.02 73.93E–.06 124 3.8b,3.5b
BJI IV 28 21 15 24.3 38.39N 73.94E 143 4.4b,3.5b
NNC IV 28 21 15 25.2–5.2 38.79N 73.71E 0 4.1,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=20.6km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.4km az=171.5.
NNC Error ellipse: s-maj=54.1km s-min=30.9km az=24.0.
ISC V 02 01 56 26.2–.94 39.45N–.08 73.88E–.08 28 3.7b 28 3-84
IDC V 02 01 56 21.8–.90 39.34N 73.85E 0 3.7,3.6 **¶12750245**
NNC V 02 01 56 31.3–6.9 39.88N 73.79E 0 3.6b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=15.9km az=116.0.
NNC Error ellipse: s-maj=57.5km s-min=33.9km az=172.0.
ISC V 10 14 25 50.2–.64 39.67N–.05 73.46E–.06 10 3.8b 28 2-78
NNC V 10 14 25 44.5–1.6 39.53N 73.26E 0 3.9b,3.4 **¶13553155**
ISCJB V 10 14 25 46.7–.58 39.72N–.05 73.59E–.08 10 3.7b,3.5s
IDC V 10 14 25 50.0–1.4 39.63N 73.28E 0 3.7b,3.7
ISC Event type ke.
NNC Error ellipse: s-maj=14.5km s-min=7.7km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.0km az=154.0.
IDC Error ellipse: s-maj=29.7km s-min=12.6km az=130.0.
ISC V 14 08 20 56.5–1.3 39.70N–.09 73.70E–.07 10 3.8b 25 2-84
IDC V 14 08 20 53.4–.93 39.35N 73.71E 0 3.8,3.7 **¶13568681**
BJI V 14 08 20 53.9 39.59N 73.50E 7 3.7b,3.5L
NNC V 14 08 20 58.9–2.3 39.63N 73.70E 0 4.0b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=12.8km az=103.0.
NNC Error ellipse: s-maj=19.9km s-min=10.1km az=178.0.
ISC V 14 08 36 14.9–1.3 40.0N–.10 73.8E–.10 28 3.6b 16 2-82

IDC V 14 08 36 10.9–1.2 39.69N 73.77E 0 3.8,3.6 ¶13568682
ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=17.3km az=96.0.
ISC V 15 04 29 49.3–4.9 38.8N–.30 73.2E–.10 10 9 3-14
NNC V 15 04 29 52.5–1.6 39.21N 73.25E 241–18 2.9,1.7b ¶13584134
ISC Event type ke.
NNC Error ellipse: s-maj=18.8km s-min=7.5km az=7.0.
ISC V 16 20 44 04.4–.64 38.39N–.05 73.62E–.09 107 3.5b 50 2-81
IDC V 16 20 44 02.8–4.6 38.31N 73.35E 75–42 3.8L,3.5 ¶13065856
ISCJB V 16 20 44 03.7–.37 38.30N–.03 73.60E–.07 107 3.4b,3.5
BJI V 16 20 44 07.5 38.49N 73.46E 119 3.5b,3.5
NNC V 16 20 44 10.4–4.7 38.78N 73.20E 124–38 3.7,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=33.4km s-min=22.8km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=3.5km az=169.1.
NNC Error ellipse: s-maj=49.4km s-min=17.5km az=22.0.
ISC V 19 00 55 00.3–1.6 38.9N–.10 75.0E–.10 10 3.4b 11 4-79
IDC V 19 00 54 56.4–1.8 38.69N 75.06E 0 3.7,3.7b ¶13584374
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=18.1km az=116.0.
ISC V 19 01 48 18.6–.78 38.37N–.06 73.8E–.10 124 3.4b 20 4-79
ISCJB V 19 01 48 17.3–.52 38.42N–.04 73.8E–.10 124 3.6b ¶13584378
IDC V 19 01 48 19.2–4.8 38.33N 73.93E 136–35 3.4,3.3
NNC V 19 01 48 24.2–6.6 38.62N 71.76E 0 3.4b,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.1km az=0.1.
IDC Error ellipse: s-maj=39.5km s-min=23.9km az=175.0.
NNC Error ellipse: s-maj=90.1km s-min=49.8km az=81.0.
ISC V 25 23 27 08.4–.35 39.62N–.03 73.62E–.04 29 4.5b,3.4s 303 2-84
LDG V 25 23 27 01.3–.13 39.39N 73.86E 10 4.5b,3.1s ¶13469845
IDC V 25 23 27 03.0–.65 39.43N 73.78E 0 4.3,4.2
BJI V 25 23 27 04.5 39.44N 73.54E 23 4.3b,3.9L
ISCJB V 25 23 27 06.9–.20 39.58N–.02 73.63E–.03 29 4.4b,3.3s
NNC V 25 23 27 09.1–3.9 39.79N 73.59E 6–16 4.3,4.2b
MOS V 25 23 27 10.6–.86 39.64N 73.70E 65 4.9b,4.2b
TEH V 25 23 27 11.4 39.78N 73.43E 40 4.7L,4.2b
NEIC V 25 23 27 11.3–.69 39.64N 73.69E 57–6 4.8b,4.2b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=13.7km s-min=3.8km az=44.0.
IDC Error ellipse: s-maj=12.6km s-min=9.8km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=1.2.
NNC Error ellipse: s-maj=27.5km s-min=11.1km az=174.0.
MOS Error ellipse: s-maj=6.5km s-min=4.2km az=104.2.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.7km az=162.0.
ISC V 28 01 38 37.9–2.7 39.9N–.20 73.61E–.07 14 13 2-14
NNC V 28 01 38 38.0–3.4 39.89N 73.38E 0 3.4b,3.0 ¶13653623
ISC Event type ke.
NNC Error ellipse: s-maj=31.7km s-min=16.6km az=177.0.
ISC V 31 12 51 29.5–1.1 39.34N–.09 73.76E–.07 10 3.7b 27 2-84
BJI V 31 12 51 27.0 39.52N 73.55E 5 3.3L ¶13193429
ISCJB V 31 12 51 28.4–.71 39.29N–.06 73.54E–.08 10 3.6b
IDC V 31 12 51 28.2–.94 39.32N 73.61E 0 3.7,3.7b
NNC V 31 12 51 32.7–1.8 39.72N 73.47E 0 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=8.0km az=12.1.
IDC Error ellipse: s-maj=20.6km s-min=15.5km az=104.0.
NNC Error ellipse: s-maj=15.9km s-min=8.1km az=5.0.
ISC VI 03 20 42 08.1–1.9 38.5N–.20 74.8E–.10 10 12 4-69
ISCJB VI 03 20 42 06.5–1.5 38.6N–.10 74.9E–.10 10 4.0b ¶13194884
NNC VI 03 20 42 12.8–4.6 39.13N 74.79E 0 3.9b,3.5
IDC VI 03 20 42 13.5–7.0 38.51N 75.37E 70–57 3.5b,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.6km s-min=12.6km az=6.0.
NNC Error ellipse: s-maj=44.4km s-min=18.3km az=11.0.
IDC Error ellipse: s-maj=69.9km s-min=52.5km az=151.0.
ISC VI 08 05 25 25.5–1.3 39.2N–.10 73.3E–.10 10 3.7b 16 3-82
ISCJB VI 08 05 25 23.9–1.2 39.08N–.09 73.3E–.10 10 3.6b ¶13195641
IDC VI 08 05 25 24.1–1.2 39.05N 73.47E 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=12.0km az=141.1.
IDC Error ellipse: s-maj=33.4km s-min=20.7km az=136.0.
ISC VI 12 21 00 38.0–.92 39.64N–.06 73.43E–.07 14 24 2-15
ISCJB VI 12 21 00 36.6–.66 39.52N–.05 73.24E–.08 14 ¶13196498
NNC VI 12 21 00 41.8–2.5 39.96N 73.51E 0 4.2b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.9km az=155.6.
NNC Error ellipse: s-maj=20.5km s-min=9.9km az=173.0.
ISC VI 15 18 26 09.4–1.1 39.45N–.08 73.53E–.06 10 3.7b 29 2-68
ISCJB VI 15 18 26 06.8–1.1 39.25N–.08 73.54E–.10 10 3.7b ¶13681445
IDC VI 15 18 26 09.3–1.8 39.56N 73.41E 0 3.8b,3.6
NNC VI 15 18 26 12.9–3.7 39.72N 73.46E 0 3.7b,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=10.5km az=157.4.
IDC Error ellipse: s-maj=30.6km s-min=13.5km az=134.0.
NNC Error ellipse: s-maj=31.9km s-min=16.2km az=176.0.
ISC VI 16 21 16 03.2–.55 38.46N–.05 73.40E–.05 121–5 4.0b 162 2-79
BJI VI 16 21 16 01.6 38.62N 73.40E 118 4.1b ¶13197190
MOS VI 16 21 16 02.5–.68 38.47N 73.37E 126 4.1b
IDC VI 16 21 16 02.3–3.9 38.40N 73.43E 113–29 3.8,3.7
NEIC VI 16 21 16 03.1–.68 38.48N 73.41E 118–6 4.5b,3.7
NNC VI 16 21 16 04.7–6.2 39.10N 73.29E 0 4.5b,4.0
ISC Event type se.
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=91.9.
IDC Error ellipse: s-maj=32.6km s-min=16.1km az=164.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.2km az=128.0.
NNC Error ellipse: s-maj=54.5km s-min=31.0km az=9.0.
ISC VI 21 05 01 35.8–.93 39.77N–.08 73.99E–.07 10 3.6b 38 2-82
IDC VI 21 05 01 33.2–1.1 39.51N 74.12E 0 3.8,3.7b ¶13366462
ISCJB VI 21 05 01 34.4–.79 39.67N–.07 73.82E–.08 10 3.6b,3.7b
BJI VI 21 05 01 35.0 39.73N 73.88E 9 4.0b,3.5L
NNC VI 21 05 01 39.4–1.7 40.01N 73.85E 0 4.0b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=15.0km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=8.5km az=165.4.
NNC Error ellipse: s-maj=14.9km s-min=7.8km az=5.0.

(720) Northwestern Kashmir.

ISC II 22 13 23 48.7–.55 36.29N–.05 74.39E–.09 100 3.8b 52 3-82
IDC II 22 13 23 48.3–.89 36.25N 74.24E 80–6 3.7,3.6 ¶12054387
NNC II 22 13 23 58.3–4.5 37.01N 73.88E 103–48 3.8,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=14.1km az=39.0.
NNC Error ellipse: s-maj=34.5km s-min=26.5km az=3.0.
ISC III 13 00 34 20.3–.73 35.90N–.06 73.37E–.09 48 3.3b 30 4-82
IDC III 13 00 34 15.0–1.2 35.92N 72.99E 0 3.6,3.5b ¶12703123
ISCJB III 13 00 34 18.0–.52 35.84N–.04 73.26E–.10 48 3.4b,3.5b
ISC Event type ke.
ISCJB Event type ke.
ISC V 05 14 27 07.2–1.1 36.87N–.06 73.4E–.20 35 15 3-18
NNC V 05 14 27 11.5–3.7 37.13N 73.51E 60–49 3.4b,3.3 ¶13546651
ISC Event type ke.
NNC Error ellipse: s-maj=26.3km s-min=22.4km az=175.0.
ISC VI 19 12 53 54.9–4.3 36.1N–.10 73.9E–.50 35 5 3-18
ISCJB VI 19 12 53 53.9–3.9 36.16N–.08 73.8E–.50 35 ¶13840928
NNC VI 19 12 54 01.5–9.0 36.15N 71.16E 0 3.9b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=63.1km s-min=8.2km az=7.9.
NNC Error ellipse: s-maj=102.4km s-min=66.1km az=111.0.

SEISMIC REGION 49.
Northern Eurasia.

(721) Finland.

ISC V 05 21 55 26.7–1.0 63.69N–.01 21.45E–.02 5–8 325 0-15
NAO V 05 21 55 26.3–.70 63.67N 21.46E 3.5L ¶13439344
IDC V 05 21 55 27.1–.64 63.70N 21.55E 0 3.7L,3.6
CSEM V 05 21 55 27.3–.09 63.68N 21.56E 5 3.4L,3.6
HEL V 05 21 55 28.6–.10 63.68N 21.49E 14–1 3.4L,3.3L
UPP V 05 21 55 29.0 63.68N 21.48E 16 2.5L,3.3L
BER V 05 21 55 29.7 63.66N 21.68E 15 3.5L,3.3L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=7.3km s-min=6.6km az=69.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=82.0.
HEL Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
UPP Event type ke.
ISC V 09 15 28 45.0–1.1 63.70N–.02 21.60E–.02 2–10 120 1-6
NAO V 09 15 28 44.8–1.0 63.68N 21.42E 2.1L ¶13439445
ISCJB V 09 15 28 45.9–.77 63.66N–.02 21.63E–.04 4–5 2.1L
CSEM V 09 15 28 46.2–.12 63.66N 21.66E 2 2.3L
BER V 09 15 28 46.4–3.5 63.69N 21.43E 0–14 2.1L
HEL V 09 15 28 47.8–.10 63.66N 21.57E 11–1 2.3L,2.1L
UPP V 09 15 28 48.1 63.69N 21.42E 9 1.9L,2.1L
IDC V 09 15 28 50.1–.76 63.87N 22.68E 0 2.8,2.8
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=152.8.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=64.0.
BER Error ellipse: s-maj=6.8km s-min=16.5km az=-1.0.
HEL Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
UPP Event type ke.
IDC Error ellipse: s-maj=7.9km s-min=7.0km az=72.0.

(724) Baltic States - Belarus - Northwestern Russia.

IDC I 27 15 20 02.1–2.9 59.28N 22.10E 0 3.1,3.0
¶12082491
IDC Error ellipse: s-maj=41.6km s-min=10.0km az=162.0.
IDC II 27 10 00 40.7–.82 51.24N 37.90E 0 3.6,3.5
¶15957442
IDC Error ellipse: s-maj=15.5km s-min=9.1km az=51.0.
IDC IV 01 08 00 12.8–2.6 52.26N 35.75E 0 3.6,3.4
¶16152215
IDC Error ellipse: s-maj=32.5km s-min=13.5km az=122.0.
IDC IV 30 07 59 54.1–4.3 52.12N 35.92E 0 3.6,3.6
¶16154662
IDC Error ellipse: s-maj=51.6km s-min=15.9km az=128.0.
IDC V 13 07 39 03.0–2.5 59.74N 22.28E 0 3.1,3.0
¶16155705
IDC Error ellipse: s-maj=38.3km s-min=9.3km az=162.0.
IDC VI 02 14 36 40.4–3.1 59.59N 24.69E 0 3.3,3.3
¶16066228
IDC Error ellipse: s-maj=37.9km s-min=10.6km az=153.0.
IDC VI 17 08 00 05.2–2.3 52.19N 35.46E 0 3.8,3.7
¶16101428
IDC Error ellipse: s-maj=31.6km s-min=13.3km az=126.0.

(726) Northern and central Siberia.

IDC III 30 20 01 24.4–1.4 73.96N 92.42E 0 4.2L,3.4
¶12635979
IDC Error ellipse: s-maj=36.3km s-min=21.8km az=82.0.

SEISMIC REGION 50.
Antarctica.

(727) Victoria Land.

IDC III 27 02 27 39.1–1.2 78.72S 157.94E 0 3.8,3.7
¶12635672
IDC Error ellipse: s-maj=38.0km s-min=16.7km az=124.0.

(729) Antarctica.

IDC I 23 12 32 17.4–4.1 67.01S 111.60E 0 4.2,4.1
¶12082122
IDC Error ellipse: s-maj=175.8km s-min=48.3km az=102.0.

SEISMOLOGICAL OBSERVATORIES

IN ALPHABETICAL ORDER OF STATION NAME WITH BASIC PARAMETERS

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
100 Mile House	HM-BC	British Columbia,Canada	51.6550N	121.4756W	1128	From 1962-07-26 to 1962-10-05
1031 Sheenboro Crescent, Ottawa	OT001	Ontario,Canada	45.4788N	75.4745W	88	From 2001-11-15
1514 Bourcier, Ottawa	OT002	Ontario,Canada	45.4742N	75.5019W	84	From 2005-03-24
16, Winslow Court, Ottawa	OT004	Ontario,Canada	45.3644N	75.7746W	78	From 2005-03-24
2758 Massicotte Lane, Ottawa	OT008	Ontario,Canada	45.3496N	75.6418W	80	From 2005-06-29
29 Palms	TN-	California,U.S.A.	34.1983N	115.9500W	533	From 1962-02-01 to 1962-05-03
413	BUK	Nevada,U.S.A.	37.0505N	116.1890W	1490	From 1965-01-01 to 1970-12-31
416	LWN	Nevada,U.S.A.	36.6183N	116.3930W	808	From 1970-01-01 to 1999-08-25
4D Ranch, Culbertson	O29A	Nebraska,U.S.A.	40.1253N	100.7977W	826	From 2009-05-27
4UR Ranch, Creede	S22A	Colorado,U.S.A.	37.7461N	106.8293W	2626	From 2008-06-15
5 Glenshane	B5GA	Barbados	13.0670N	59.5955W	35	
7 Observatory Cres., Ottawa	OT012	Ontario,Canada	45.3942N	75.7167W	77	From 2001-09-24
959, Brant, Ottawa	OT006	Ontario,Canada	45.4292N	75.6500W	68	From 2006-03-03
9 Mile Ranch, Kaycee	I22A	Wyoming,U.S.A.	43.8924N	106.4840W	1430	From 2008-10-08
A@15sbjarnarstat ir	IASB	Iceland	64.7480N	21.3250W	94	
Aachen	AAC	Nordrhein-Westfalen,Germany	50.7833N	6.0833E	179	
Aachen	BA01	Nordrhein-Westfalen,Germany	50.7789N	6.0614E	216	From 2006-10-01
Aaknes	AKN	Norway	62.1783N	6.9974E	508	From 2009-11-01
Aasiaat, Greenland	ASIG	Greenland	68.7060N	52.8710W	60	From 2004-05-11
Abakan	ABNR	Krasnoyarskiy Kray,Russia	53.7250N	91.4350E	125	From 2003-10-29
Abant	ABT	Turkey	40.6058N	31.3208E	1794	From 1991-01-01 to 1993-10-01
Abaselama	ABSE	Eritrea	14.8847N	39.3272E	2392	
Abashiri	ABJ	Abashiri,Japan	44.0150N	144.2830E	38	
Abashiri 2	ABJ2	Abashiri,Japan	43.8417N	143.8700E	180	From 1994-02-10 to 2001-08-03
Abashiri--Tokoro	JTKR	Abashiri,Japan	43.9707N	143.9082E	42	
Abastumani	ABS	Georgia	41.7555N	42.8134E	1590	From 1940-01-01
Abbadia di Fiastra (Tolentino)	T0402	Italy	43.2213N	13.4063E	212	
Abbazia di Naro	NARO	Italy	43.6108N	12.5806E	271	From 2011-01-17
Abborrasen	ABB	Sweden	57.8450N	12.7860E	239	From 1980-01-01 to 1991-12-31
Abdulvahap	ADVT	Turkey	40.4332N	29.7383E	193	From 2006-05-19
Abeche	ABC	Chad	13.8272N	20.8444E	550	From 1965-01-01 to 1968-06-30
Aberdeen	ABE	Scotland,United Kingdom	57.1667N	2.1000W	12	
Aberfeldy	ABEM	Victoria,Australia	37.7194S	146.3890E	548	
Aberfoyle	EAB	Scotland,United Kingdom	56.1881N	4.3400W	250	From 1969-01-01
Aberstueckl	ABSI	Italy	46.7285N	11.3205E	1801	From 2006-12-13
Abfaltersbach	ABTA	Austria	46.7474N	12.5123E	1041	From 2006-12-13
Abha	ABHA	Saudi Arabia	18.2500N	42.7500E	2200	From 1988-11-01
Abilene, Hawley	ABTX	Texas,U.S.A.	32.6238N	99.6431W	502	From 2009-02-12
Abington	ABG	Pennsylvania,U.S.A.	40.1167N	75.1333W		
Abisko	ABK	Sweden	68.3417N	18.8167E	385	
Aboa	ABOA	Dronning Maud Land	73.0300S	13.2500E	200	From 2007-01-18
Abou Kooc	KOOC	Syria	33.6592N	36.7633E	1120	From 1994-12-01
Abou Rabah	RABH	Syria	34.4354N	37.2054E	738	From 1994-12-01
Abra de Ilog	ABP	Mindoro,Philippines	13.4440N	120.7270E		From 1976-02-01 to 1977-05-22
Abri du Galion	ABGF	Guadeloupe	16.0323N	61.6603W	1150	
Abries	OG22	Provence-Cote d'Azur,France	44.8227N	6.9452E	1810	
Abriola	ABRE	Italy	40.5008N	15.7601E	1542	
Absaloka Mine, Hardin	F21A	Montana,U.S.A.	45.8231N	107.1233W	1026	From 2008-08-12
Absolon Red Butte, Lander	K19A	Wyoming,U.S.A.	42.8247N	108.8466W	1878	From 2007-11-08 to 2009-10-07
Abu 'Arish	ABAR	Saudi Arabia	16.9420N	42.9390E	135	From 1996-03-01
Abu Hadid	AAHD	Egypt	23.7474N	32.7511E	231	
Abu Rudays	HRDS	Egypt	28.7120N	33.2975E	252	
Abu Simbel	ASL	Egypt	22.3369N	31.6161E		From 1975-10-01
Abu Simbel	ABUS	Egypt	22.2500N	31.1372E	230	
Abuyama	ABU	Osaka,Japan	34.8603N	135.5740E	200	From 1966-07-08
Abymes - Guadeloupe	GABY	Guadeloupe	16.2706N	61.5044W	20	From 2005-02-01
Academy	AY-	South Dakota,U.S.A.	43.5278N	99.1083W	610	From 1962-07-14 to 1962-10-05
Academy	AY-SD	South Dakota,U.S.A.	43.5278N	99.1083W	610	From 1962-07-14 to 1962-10-05
Acapulco	ACX	Guerrero,Mexico	16.8694N	99.8583W	300	
Acapulco	ACP2	Mexico	16.8743N	99.8865W	167	From 2009-02-16
Acatlan	ACP	Puebla,Mexico	18.2078N	98.0597W	1250	
Accumuli	RM31	Italy	42.7023N	13.2331E	1034	From 2009-09-17 to 2010-02-15
Acerenza	ACER	Italy	40.7867N	15.9427E	690	From 2007-07-05
Acheberg	ACHB	Switzerland	47.5876N	8.2543E	470	From 1983-06-01
Achilles Lake	ACKN	Northwest Territories,Canada	64.9915N	110.8708W	467	
Achnashellach	KAC	Scotland,United Kingdom	57.4999N	5.2982W	330	From 1983-01-01
Achvaich	MVH1	Scotland,United Kingdom	57.9250N	4.1825W	185	From 1984-01-01
Aci Sant'Antonio	EACI	Sicily,Italy	37.6140N	15.1290E	290	From 1994-10-01
Acomizza, Italy	ACOM	Italy	46.5480N	13.5130E	1788	
Acorn Hollow, Los Molinos	O03C	California,U.S.A.	39.9971N	122.0319W	85	From 2005-04-19 to 2007-09-06
Acoyapa	ACY	Nicaragua	11.9977N	85.2252W	400	From 1975-01-01
Acrocorinthos	ACOR	Greece	37.8902N	22.8692E	437	From 2008-12-29
Acton	ACTO	Ontario,Canada	43.6087N	80.0624W	360	From 1991-07-09
Adagdak	AD8	Alaska,U.S.A.	51.9806N	176.6000W	259	From 1974-01-01 to 1992-02-01
Adak	ADA	Alaska,U.S.A.	51.8633N	176.6550W		From 1949-07-01 to 1954-04-30
Adak	ADK	Alaska,U.S.A.	51.8837N	176.6840W	116	From 1966-01-01
Adak Island	AD-IS	Alaska,U.S.A.	51.8750N	176.6792W	61	
Adak Island	AD-	Alaska,U.S.A.	51.8750N	176.6792W	61	
Adam Dziewonski Observatory	HRV	Massachusetts,U.S.A.	42.5064N	71.5583W	180	From 1975-08-01
Adamit	ADI	Israel	33.0789N	35.2250E	470	From 1983-07-01
Adams	ADN	New York,U.S.A.	43.8333N	76.1197W	137	From 1974-11-24 to 1977-07-27
Adamuz	EADA	Spain	38.1673N	4.5771W	565	
Adana	ADAT	Turkey	37.0623N	35.3550E	150	From 1992-01-01
Adana	ADT	Turkey	37.0638N	35.3550E	150	From 1979-12-01 to 1999-08-25
Addanki	ADKI	Andhra Pradesh,India	15.8446N	79.9686E	49	From 2008-09-01
Addlestone Acy	ADSC	South Carolina,U.S.A.	32.8119N	80.0167W	6	
Adel	AOT	Oregon,U.S.A.	42.1665N	119.9033W	1370	
Adeladia	PADM	California,U.S.A.	35.6393N	120.8640W	471	
Adelaida	ADES	El Salvador	13.6583N	89.3583W	1200	From 1991-12-01
Adelaide	ADE	South Australia,Australia	34.9669S	138.7090E	655	From 1958-06-01
Adelanto	ADL	California,U.S.A.	34.5563N	117.4170W	900	From 1975-02-01
Adelanto Receiving Station	ADO	California,U.S.A.	34.5505N	117.4339W	908	From 2000-08-09
Adell	L07A	Oregon,U.S.A.	42.0187N	119.3398W	1816	From 2006-06-09 to 2008-04-17
Aden	ADEN	Yemen	12.7760N	44.9830E	41	From 1994-11-01
ADIBADRI	ABI	Uttar Pradesh,India	30.1520N	79.2084E	1595	From 2007-06-30
Adirondack	RSNY	New York,U.S.A.	44.5483N	74.5300W	396	
Adirondack Community College	ACCN	New York,U.S.A.	43.3843N	73.6678W	340	
Adis Abeba	AAE	Ethiopia	9.0292N	38.7656E	2442	From 1959-03-01
Adjabya	LJBD	Libya	30.9130N	20.1982E	49	
ADJUD	ADJ	Romania	46.0952N	27.1821E	102	From 2008-10-23
Adndan	AADN	Egypt	22.1224N	31.5307E	249	
Adobe Creek	GACM	California,U.S.A.	38.8728N	122.8620W	985	
Adobe Valley	AVC	California,U.S.A.	37.9160N	118.7330W	2225	From 1975-07-01 to 1977-09-30
Adra	EXAD	Spain	36.7500N	3.0010W	24	
Adra	ADRA	Spain	36.7893N	3.0487W	0	
Adria, Italy	ADRI	Italy	45.0378N	12.0167E	1	From 2008-01-26
Adriano, Sevilla	E011	Spain	37.2103N	5.9905W	56	From 2007-09-23 to 2009-06-11
Aeknabara	AEKI	Sumatera,Indonesia	2.1017N	98.4536E	840	From 1991-01-01
Aeronautique	ZAM	Martinique	14.5727N	61.0287W	25	
Aery, Baudette	B34A	Minnesota,U.S.A.	48.4860N	94.6501W	354	From 2010-09-14
Aespoe	ASPU	Sweden	57.4185N	16.5992E	10	From 2005-04-14
Afareaitu	AFR	Moorea,French Polynesia	17.5383S	149.7780W	50	
Afiamalu	AFI	Samoa Islands	13.9094S	171.7770W	706	From 1958-04-01
Afif	AFIF	Saudi Arabia	24.1010N	43.1800E	950	From 1990-03-01
'Afif	AFFS	Saudi Arabia	23.9267N	43.0005E	1090	
Afjeh	IAFJ	Iran	35.8560N	51.7125E	2750	From 1996-01-01
Afˆar-Bala (Ankara)	AFSR	Turkey	39.4468N	33.0707E	1055	From 2008-09-05
Aftenstjerne Lake, Greenland	ASSG	Greenland	82.1762N	38.1082W	318	From 2004-07-24
Agadir Fac de Sc.	AFS	Morocco	30.4200N	9.5000W	75	From 2001-06-02
Agadir Oufela	AOF	Morocco	30.4400N	9.5600W	90	From 2001-06-02
Agalyk	AGL	Uzbekistan	39.5200N	66.8700E	865	
Agartala	AGT	Tripura,India	23.8833N	91.2500E	17	
Agassiz Lake	AGAM	Alaska,U.S.A.	60.1542N	141.0330W	1024	
Agassiz National Wildlife Refuge	AGMN	Minnesota,U.S.A.	48.2978N	95.8619W	351	From 2006-09-20
Agave Hill	AGAC	California,U.S.A.	33.6384N	116.4011W	809	
Agenahambo	AGE	Papua New Guinea	8.8136S	148.0990E	303	From 1963-08-01 to 1972-12-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Aggia Anna	VAG	Greece	38.3161N	22.9003E	760	From 1982-10-01
Aghdareh	HAGD	Iran	34.8220N	49.1397E	2120	From 2011-04-01
Agia Marina, Milos Island	MHLO	Greece	36.6898N	24.4017E	174	From 2010-06-04
Agillar	DAGI	Turkey	41.0778N	41.9142E	1188	From 2007-09-25
Agin	AGN	Turkey	38.9483N	38.7154E	914	From 1973-09-20
Agios Charalampos	AXAR	Greece	38.7664N	22.6590E	406	From 2008-04-01
Agios Georgios	AGG	Greece	39.0222N	22.3303E	540	From 1989-04-01
Agios Nikonas	DYR	Greece	36.7622N	22.3337E	426	From 2008-07-01
Agira	CAGR	Sicily,Italy	37.6220N	14.4999E	548	From 2010-05-21
Agolada(Pontevedra)	EAGO	Spain	42.8027N	8.0892W	500	From 2010-03-24
Agordo	AGOR	Italy	46.2829N	12.0472E	631	From 2007-06-08
Agoura	AGOC	California,U.S.A.	34.1465N	118.7670W	259	
Agra	AGRA	Uttar Pradesh,India	27.2305N	77.9438E	0	
Agra	AGR	Uttar Pradesh,India	27.1333N	78.0167E	163	
Agrelo	AAGR	Mendoza,Argentina	33.0852S	68.8284W	1159	
Agri	AGRT	Turkey	39.6088N	42.9870E	1440	From 1997-08-26 to 2006-11-21
Agrihan Island	AGRI	Mariana Islands	18.7331N	145.6530E	25	From 1994-04-23
Agron	ERON	Spain	37.0185N	3.8058W	1304	From 1994-03-01
Agua Clara, Sierra Llorona en Colsn	ACLA	Panama	9.3650N	79.7065W	460	From 2004-10-01
Aguadilla	AGP	Puerto Rico	18.4075N	67.1410W	220	
Aguadilla, PR	AGPR	Puerto Rico	18.4675N	67.1112W	117	From 2004-10-01
Agualva	AGA	Azores,Portugal	38.7845N	27.1732W	80	From 1981-05-16 to 2000-05-17
Aguascalientes	AGX	Aguascalientes,Mexico	21.8787N	102.3010W		From 1988-01-01
Aguas Calientes	AGUN	Nicaragua	12.6667N	86.8367W	300	
Aguni-jima	JAGN	Ryukyu Islands,Japan	26.5888N	127.2422E	12	
Ahir Dag	KAHT	Turkey	37.6307N	36.8734E	1830	From 2003-11-05
Ahlen	BAHL	Nordrhein-Westfalen,Germany	51.7369N	7.8217E	92	
AHRAM	AHBU	Iran	28.8640N	51.2950E	80	From 2010-06-02
Ahram - Rada'a city Al-Baydha Gov. - Yemen	RADA	Yemen	14.4390N	44.8530E	2353	From 2001-09-22
Ahua	AHA	Hawaii,U.S.A.	19.3733N	155.2650W	1070	From 1958-01-01
Ahuacatlan	ANIG	Nayarit,Mexico	21.0538N	104.5207W	1009	From 2006-09-30
Ahuachapan	AHU	El Salvador	13.9217N	89.8458W	810	
Ahwaz	AHWZ	Iran	31.3300N	48.6438E	19	From 2010-04-27
Aibetsu	AIB	Kamikawa,Japan	43.9067N	142.6461E	260	
Aida	JAD	Okayama,Japan	34.9403N	134.1680E	170	
Aigle	AIGLE	Switzerland	46.3416N	6.9534E	800	From 1998-09-01
Aigurande	NE08	Centre,France	46.4200N	1.7300E	360	From 1982-11-01 to 1984-12-31
Aikawa	AIK	Niigata,Japan	38.0217N	138.2433E	35	
Ailbek	ABKT	Turkmenistan	37.9304N	58.1189E	678	
Ainahou	AIN	Hawaii,U.S.A.	19.3750N	155.4600W	1524	From 1973-04-26
'Ain El Ouahch	CAEH	Algeria	36.7800N	6.8500E	383	
'Ain N'Sour	EANR	Algeria	35.9500N	1.1000E	727	
Ain Smara	CASM	Algeria	36.2600N	6.4900E	680	
Ainzon	NE11	Spain	41.8140N	1.5170W	440	From 1983-01-01 to 2001-07-28
Aioi	JAI	Tokushima,Japan	33.7923N	134.4515E	165	
Airport Hangar	APH	New York,U.S.A.	43.8413N	74.4970W	564	From 1974-07-01 to 1983-10-31
Airport Road	AARM	California,U.S.A.	39.2762N	121.0250W	930	From 1976-07-20
Aitape	AITP	Papua New Guinea	3.1384S	142.3489E	2	
Ait Ouarda	AIT	Morocco	32.1100N	6.5110W		From 1980-06-01
Aizawl	AZL	Mizoram,India	23.7200N	92.7300E	750	
Aizu	AID	Fukushima,Japan	37.5667N	140.1170E	526	
AIZWAL	AIZW	Mizoram	23.7384N	92.6897E	969	From 2011-05-01
Ajaccio	AJAF	Corse,France	41.9833N	8.7302E	210	From 1991-12-03
Ajai Ranch	AJAR	Arizona,U.S.A.	34.8860N	110.5720W	1622	
Ajiro2	AJI	Shizuoka,Japan	35.0450N	139.0918E	59	
Ajmer	AJM	Rajasthan,India	26.4792N	74.6431E	540	
Ajmer	AJMR	Rajasthan,India	26.4791N	74.6432E	540	
Akaike	JFA	Fukuoka,Japan	33.7120N	130.7952E	130	
Akama	AKM	Fukuoka,Japan	33.8122N	130.5972E	60	
Akamas	AKMC	Cyprus	35.0270N	32.3300E	416	
Akbulak array	ABKAR	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB31	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB03	Kazakhstan	49.2511N	59.9431E	243	From 2003-10-27
Akbulak array site	AB09	Kazakhstan	49.2614N	59.9181E	238	From 2003-10-27
Akbulak array site	AB06	Kazakhstan	49.2611N	59.9693E	237	From 2003-10-27
Akbulak array site	AB01	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB05	Kazakhstan	49.2736N	59.9431E	244	From 2003-10-27
Akbulak array site	AB07	Kazakhstan	49.2410N	59.9593E	235	From 2003-10-27
Akbulak array site	AB04	Kazakhstan	49.2578N	59.9371E	249	From 2003-10-27
Akbulak array site	AB02	Kazakhstan	49.2591N	59.9466E	241	From 2003-10-27
Akbulak array site	AB08	Kazakhstan	49.2387N	59.9280E	243	From 2003-10-27
Akcadag	AKCD	Turkey	38.2956N	37.9224E	1376	From 2007-06-05
Akcakoca	AKC	Turkey	40.0244N	31.1808E	150	From 1979-12-01 to 1999-08-25
Akdeniz- K¨–br¨–s	AKDN	Cyprus	35.2977N	32.9677E	90	From 2008-11-19
Akfadou	AKF	Algeria	36.6333N	4.5667E	1545	
Akhalkalaki	AKH	Georgia	41.4100N	43.4928E	1708	From 1950-01-01
Akhelmad	IAKL	Iran	36.6022N	58.7566E	2508	From 1997-03-01
Akhisar	AKS	Turkey	38.8790N	27.8130E	370	
Akhisar	AKHS	Turkey	38.8788N	27.8138E	370	From 2006-07-13
Akhty	AKT	Dagestan,Russia	41.4800N	47.7300E	1200	
Ak¨–nc¨–lar- K¨–br¨–s	AKIN	Cyprus	35.0153N	33.4661E	230	From 2008-11-18
Akirkeby	BSD*	Denmark	55.1139N	14.9147E	88	From 1981-11-03
Akita	AKI	Akita,Japan	39.7183N	140.1017E	10	
Akita	AKI1	Akita,Japan	39.7150N	140.1033E	2	From 1989-11-01
Akita 2	AKIJ	Akita,Japan	39.7350N	140.1417E	65	From 1990-04-25
Akitakoma	KOMT	Akita,Japan	39.7800N	140.7700E	680	
Akkeshi	AKK	Kushiro,Japan	43.0171N	144.8423E	80	From 1976-07-01
Akkeshi	JAK	Abashiri,Japan	42.9962N	144.6965E	20	
Akkus	AKKT	Turkey	40.7844N	37.0136E	1593	From 1992-01-01 to 1994-06-30
Akkuyli	AKUL	Tajikistan	38.4300N	68.5800E		
Akkuyu-Mersin	AKKU	Turkey	36.1587N	33.5508E	144	From 2011-07-01
Akola	AKL	Maharashtra,India	20.7028N	77.0153E	310	
Akosombo	AKGH	Ghana	6.2433N	0.0403E	377	From 1987-01-01
AKSARAY - Altinkaya	AKSY	Turkey	38.6497N	33.7607E	973	From 2011-03-16
AK-SAY(Kyrgyzstan)	ASAI	Kyrgyzstan	40.9178N	76.5210E	3021	From 2009-07-29
Aktash	AKAR	Altayskiy Kray,Russia	50.3200N	87.6200E	1380	
Aktobe	AKB	Kazakhstan	50.2600N	58.1000E		
Aktoprak	AKTT	Turkey	37.4860N	34.4680E	1550	From 1993-01-01
Aktyubinsk	AKTK	Kazakhstan	50.4348N	58.0164E	379	From 1994-10-01 to 2005-07-20
Aktyubinsk	AKTO	Kazakhstan	50.4348N	58.0164E	314	From 2005-07-20
AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	KKZ	Kazakhstan	50.4070N	58.0348E	369	From 2006-05-11
Akulivik	AKVQ	Quebec,Canada	60.8080N	78.1912W	17	From 2006-09-15
Akureyri	AKU	Iceland	65.6867N	18.1067W	24	From 1964-07-31 to 2002-11-30
Akureyri	AKU-	Iceland	65.6717N	18.1000W		
Akutan	AKUT	Alaska,U.S.A.	54.1352N	165.7719W	19	
Akutan	AKA	Alaska,U.S.A.	54.1358N	165.7700W	12	
Akutan 1	AKA1	Alaska,U.S.A.	54.1358N	165.7700W	12	
Akutan 2	AKA2	Alaska,U.S.A.	54.1242N	165.7783W	90	From 1996-08-01 to 2004-01-14
Akutan 4	AKA4	Alaska,U.S.A.	54.1100N	165.7317W	135	From 1996-08-01 to 2004-01-14
Akutan 5	AKA5	Alaska,U.S.A.	54.1552N	165.8650W	225	From 1996-08-01 to 2004-01-14
Akutan Broad B.	AKBBA	Alaska,U.S.A.	54.0984N	165.9318W	310	
Akutan Green Grass	AKGG	Alaska,U.S.A.	54.1988N	165.9916W	326	
Akutan Harbor	AHB	Alaska,U.S.A.	54.1153N	165.8157W	447	
Akutan Long Valley	AKLV	Alaska,U.S.A.	54.1627N	165.9556W	551	
Akutan Morgan	AKMO	Alaska,U.S.A.	54.0912N	166.0106W	277	
Akutan Reef Bight	AKRB	Alaska,U.S.A.	54.1301N	166.0687W	334	
Akutan Spr's Bay	HSB	Alaska,U.S.A.	54.1868N	165.9124W	497	
Akutan Strait	AKSA	Alaska,U.S.A.	54.1358N	165.6967W	213	
Akutan Volcano	AKV	Alaska,U.S.A.	54.1262N	165.9627W	863	
Akutan Zero	ZRO	Alaska,U.S.A.	54.0916N	165.9780W	446	
Akyaka	EAK	Turkey	40.6862N	43.6069E	1613	From 2009-10-01
Akyazi	AKY	Turkey	40.6630N	30.6594E	110	From 1979-01-01 to 1999-08-25
Ala-Archa	AAK	Kyrgyzstan	42.6333N	74.4944E	1680	From 1990-09-01
Alabaster Cavern State Park	ACO	Oklahoma,U.S.A.	36.6986N	99.1461W	521	From 1977-06-22
Alaid	ALID	Kamchatskaya Oblast',Russia	50.8690N	155.5500E	1400	From 2000-04-01
Alamagan	ALMG	Mariana Islands	17.6010N	145.8380E	490	From 1991-01-01
Alamo	ALA	Nevada,U.S.A.	37.2417N	115.1150W		From 1971-01-01 to 1973-04-30
Alamocita Creek, Datil	X21A	New Mexico,U.S.A.	34.4457N	107.7857W	2141	From 2008-02-09
Aland	AAL	Finland	60.1780N	19.9936E	10	From 2004-04-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Al Areen	BEE	Bahrain	26.0167N	50.5217E		
Al Aritein	ARTJ	Jordan	32.2467N	36.8283E	1058	From 1987-02-23
Al Arnab	ARNB	Syria	35.8608N	35.9722E	930	From 1995-11-01
Alasht	IALA	Iran	36.0829N	52.8099E	2600	From 2000-08-01
Al Ashush, Dubai	ASUD	United Arab Emirates	24.6260N	55.3292E	132	From 2006-09-19
Alassa	ALAS	Libya	32.8425N	11.6138E	73	
Al 'Ayyat	AYT	Egypt	29.7044N	31.1529E	145	
Al Bad'	BADA	Saudi Arabia	28.5660N	34.9620E	495	From 1986-01-01
Al Bad'	BDAS	Saudi Arabia	28.4300N	35.1000E	530	
Albannette	OG18	Rhone-Alpes,France	45.1932N	6.4290E	1455	From 1990-12-04
Albanya	ALBA	Spain	42.3128N	2.7235E	400	
Al Bayda'	BDHA	Yemen	13.9750N	45.5670E	2000	From 1994-11-01
Albemarle	AE-NC	North Carolina,U.S.A.	35.4336N	80.0597W	183	From 1966-12-16 to 1966-12-20
Albemarle	AE-	North Carolina,U.S.A.	35.4336N	80.0597W	183	From 1966-12-16 to 1966-12-20
Alberni	ALB	British Columbia,Canada	49.2717N	124.8300W	25	From 1951-01-01
Alberton, Johannesburg	ALBD	South Africa	26.2596S	28.1391E	1585	From 2010-03-19
Al Beshri	BSHR	Syria	35.6685N	39.8185E	852	From 2002-04-01
Albida	BIDA	Syria	35.0138N	36.3212E	930	From 1995-11-01
Alboran	EALB	Spain	35.9399N	3.0343W	20	
Al Budayyi	BBU	Bahrain	26.2150N	50.4567E		From 1986-01-01
Albunol	EXAL	Spain	36.7910N	3.2030W	286	
Albuquerque	ABQ	New Mexico,U.S.A.	34.9425N	106.4570W	1849	From 1974-01-01
Albuquerque	W22A	New Mexico,U.S.A.	35.0719N	106.8674W	1813	From 2008-01-09 to 2010-02-07
Albuquerque	ALQ	New Mexico,U.S.A.	34.9425N	106.4575W	1849	
Albuquerque	ANMO	New Mexico,U.S.A.	34.9459N	106.4572W	1820	From 1974-08-01
Alcan	ALC	Alaska,U.S.A.	62.6225N	141.0080W	582	From 1979-09-25
Alcanar	ALCN	Spain	40.5500N	0.4800E	177	From 2009-10-05
Alcochete	PACT	Portugal	38.7680N	8.8333W	30	
Alcott Elementary School	ALCT	Washington,U.S.A.	47.6475N	122.0370W	55	
Alcoutim	PALC	Portugal	37.4647N	7.4758W	73	
Alcova	K21A	Wyoming,U.S.A.	42.6332N	107.2510W	1960	From 2008-07-16
Aldan	ALDR	Sakha,Russia	58.6100N	125.4094E	682	
Alder Creek	ACK	Alaska,U.S.A.	65.9542N	162.1890W	377	
Alder Peak	PAPM	California,U.S.A.	35.9128N	121.3620W	1015	
Alders End	HAE	England,United Kingdom	52.0376N	2.5475W	224	From 1982-01-01
Alder Springs	GAS	California,U.S.A.	39.6548N	122.7150W	1219	From 1985-04-10
Alder Springs Broadband	GASB	California,U.S.A.	39.6547N	122.7159W	1354	
Al-Direh	DRHJ	Jordan	29.3580N	34.9620E	10	
Alegheny College	ALLY	Pennsylvania,U.S.A.	41.6492N	80.1448W	390	
Alemaya	ALME	Ethiopia	9.4300N	42.0400E	2133	From 1988-01-01
Alert	ALE	Northwest Territories,Canada	82.5033N	62.3500W	65	From 1961-09-29
Alevga	ALFC	Cyprus	35.1570N	32.5990E	520	
Alexander Bay	ALX	New York,U.S.A.	44.3225N	75.9279W	122	From 1976-08-01
Alexander City	AX-AL	Alabama,U.S.A.	32.8356N	86.1764W	183	From 1965-12-03 to 1965-12-13
Alexander City	AX2	Alabama,U.S.A.	32.7772N	86.1300W	213	From 1966-03-24 to 1967-01-16
Alexander City	AX2AL	Alabama,U.S.A.	32.7772N	86.1300W	213	From 1966-03-24 to 1967-01-16
Alexander City	AX-	Alabama,U.S.A.	32.8356N	86.1764W	183	From 1965-12-03 to 1965-12-13
Alexander Ranch	ARDC	California,U.S.A.	35.4632N	120.9783W	91	
Alexander Valley	GAXM	California,U.S.A.	38.7108N	122.7550W	379	From 1973-09-21
Alexandra	AXZ	South Island,New Zealand	45.2672S	169.3311E	260	From 1996-03-06
Alexandroupolis	ALN	Greece	40.8972N	26.0456E	110	From 1989-06-01
Alfacar	ALCS	Spain	37.2542N	3.5439W		From 1982-02-01 to 1982-03-01
Alfacar	AFC	Spain	37.2544N	3.5450W	1490	
Al Faqa, Dubai	FAQ	United Arab Emirates	24.7453N	55.5924E	203	From 2006-05-30
Al Fayyum	FYM	Egypt	29.6923N	31.0430E	200	
Alfred	ALF	New York,U.S.A.	42.2253N	77.7972W	671	From 1971-01-01 to 1978-09-30
Alfred	AFO1	Ontario,Canada	45.6282N	74.8824W	53	
Alfred	ALFO	Ontario,Canada	45.6283N	74.8842W	0	
Alfred	AFO2	Ontario,Canada	45.6308N	74.8540W	53	
Alftagrof	IALF	Iceland	63.4910N	19.1844W	132	From 2011-01-11
ALG	MOLA	Algeria	34.6300N	0.0100E	1039	
Algarobillo	CHP4	Peru	4.5019S	80.3600W	220	
Alger-Bouzareah	ABA	Algeria	36.8017N	3.0350E	345	From 1910-01-01
Al Ghardaqah	HHRG	Egypt	27.2193N	33.5691E	227	
Algiers University	ALG	Algeria	36.7717N	3.0583E	59	From 1949-01-01 to 1982-12-31
Algodonales	EXAO	Spain	36.8820N	5.4040W	370	From 2007-09-17
Algonquin Park	ALGO	Ontario,Canada	45.9544N	78.0509W	235	
Alhama Almeria	EXAA	Spain	36.9580N	2.5680W	528	
Alhama de Murcia	EALH	Spain	37.8581N	1.4197W	294	From 1986-01-01
Alhama Granada	EXAG	Spain	37.0160N	3.9860W	900	
Al Hawiyah	HWYS	Saudi Arabia	21.4349N	40.4177E		
Alia	ALJA	Italy	37.7490N	13.7537E	700	From 2008-02-14
Aliabad	ALIA	Iran	36.7000N	54.5000E	0	
Alibeck	GEYT	Turkmenistan	37.9295N	58.1171E	610	From 2009-12-16
ALIBECK ARRAY SITE A0	GYA0	Turkmenistan	37.9295N	58.1171E	593	From 2010-02-07
ALIBECK ARRAY SITE A0B	GYA0B	Turkmenistan	37.9295N	58.1171E	591	From 2010-02-07
ALIBECK ARRAY SITE A1	GYA1	Turkmenistan	37.9232N	58.1173E	606	From 2010-02-07
ALIBECK ARRAY SITE A2	GYA2	Turkmenistan	37.9355N	58.1213E	518	From 2010-02-07
ALIBECK ARRAY SITE A3	GYA3	Turkmenistan	37.9331N	58.1131E	609	From 2010-02-07
ALIBECK ARRAY SITE B1	GYB1	Turkmenistan	37.9205N	58.1259E	626	From 2010-02-07
ALIBECK ARRAY SITE B2	GYB2	Turkmenistan	37.9376N	58.1269E	551	From 2010-02-07
ALIBECK ARRAY SITE B3	GYB3	Turkmenistan	37.9430N	58.1158E	540	From 2010-02-07
ALIBECK ARRAY SITE B4	GYB4	Turkmenistan	37.9332N	58.0980E	584	From 2010-02-07
ALIBECK ARRAY SITE B5	GYB5	Turkmenistan	37.9206N	58.1085E	704	From 2010-02-07
Alicahue	ALH	Aconcagua,Chile	32.3700S	70.7928W	1890	From 1970-08-01
Alicante	EXAI	Spain	38.3550N	0.4870W	35	
Alicante	ALI	Spain	38.3553N	0.4873W	35	
Alice Springs	ASP	Northern Territory,Australia	23.6833S	133.8970E	600	From 1970-12-15 to 1982-02-15
Alice Springs	ASPA	Northern Territory,Australia	23.6669S	133.9010E	555	From 1982-02-17 to 2006-05-29
Alice Springs Array Beam Reference Point	ASAR	Northern Territory,Australia	23.6664S	133.9040E	607	
Alice Springs Array Site 1	AS01	Northern Territory,Australia	23.6647S	133.9510E	605	From 1986-01-01
Alice Springs Array Site 10	AS10	Northern Territory,Australia	23.6969S	133.9140E	607	From 1986-01-01
Alice Springs Array Site 11	AS11	Northern Territory,Australia	23.6783S	133.8980E	608	From 1986-01-01
Alice Springs Array Site 12	AS12	Northern Territory,Australia	23.6664S	133.9040E	607	From 1986-01-01
Alice Springs Array Site 13	AS13	Northern Territory,Australia	23.6519S	133.8940E	604	From 1986-01-01
Alice Springs Array Site 14	AS14	Northern Territory,Australia	23.6517S	133.9100E	620	From 1986-01-01
Alice Springs Array Site 15	AS15	Northern Territory,Australia	23.6356S	133.9120E	669	From 1986-01-01
Alice Springs Array Site 16	AS16	Northern Territory,Australia	23.6369S	133.9300E	676	From 1986-01-01
Alice Springs Array Site 17	AS17	Northern Territory,Australia	23.6644S	133.9920E	615	From 1986-01-01
Alice Springs Array Site 18	AS18	Northern Territory,Australia	23.6900S	133.9810E	592	From 1986-01-01
Alice Springs Array Site 19	AS19	Northern Territory,Australia	23.7044S	133.9630E	577	From 1986-01-01
Alice Springs Array Site 2	AS02	Northern Territory,Australia	23.6792S	133.9370E	619	From 1986-01-01
Alice Springs Array Site 3	AS03	Northern Territory,Australia	23.6744S	133.9200E	643	From 1986-01-01
Alice Springs Array Site 4	AS04	Northern Territory,Australia	23.6597S	133.9290E	666	From 1986-01-01
Alice Springs Array Site 5	AS05	Northern Territory,Australia	23.6492S	133.9470E	683	From 1986-01-01
Alice Springs Array Site 6	AS06	Northern Territory,Australia	23.6475S	133.9710E	663	From 1986-01-01
Alice Springs Array Site 7	AS07	Northern Territory,Australia	23.6656S	133.9700E	614	From 1986-01-01
Alice Springs Array Site 8	AS08	Northern Territory,Australia	23.6814S	133.9600E	594	From 1986-01-01
Alice Springs Array Site 9	AS09	Northern Territory,Australia	23.6994S	133.9410E	591	From 1986-01-01
Alice Springs Site	AS31	Northern Territory,Australia	23.6651S	133.9053E	627	From 2005-06-20
Alicudi	IACL	Sicily,Italy	38.5338N	14.3565E	181	From 2007-05-10
Alicudi	ACL	Sicily,Italy	38.5331N	14.3556E	140	
Alishan	ALS	Taiwan region	23.5104N	120.8050E	2413	
Al Jahlan	JHLN	Syria	35.6725N	38.4411E	459	From 1995-04-01
Aljibe	ALJ	Spain	36.5299N	5.6494W	427	
Al Khamasin	KAMS	Saudi Arabia	20.3088N	44.5811E	325	
Al Kharijah	AKRG	Egypt	25.5032N	30.4985E	152	
Alki Wastewater Plant ANSS-SMO	ALKI	Washington,U.S.A.	47.5751N	122.4176W	1	From 2004-11-04
Alkurruntz	EALK	Spain	43.2197N	1.5071W	1	From 2003-07-30
All	MALI	Sicily,Italy	38.0530N	15.4000E	1005	From 1993-12-01
Alla	ALL	Buryatiya,Russia	54.7000N	110.7667E		
Alla	ALLA	Buryatiya,Russia	54.7000N	110.7667E		
Allagash	AGM	Maine,U.S.A.	47.0817N	69.0233W	238	From 1975-11-01 to 1999-01-31
Allahabad	ALBI	Uttar Pradesh,India	25.3090N	81.8085E	107	
Allard Ranch, Norris	J28A	South Dakota,U.S.A.	43.4239N	101.2359W	835	From 2009-06-02
Allegan	ACM	Michigan,U.S.A.	42.6475N	85.8517W	268	
Allendale	XAL	England,United Kingdom	54.8617N	2.2147W	462	From 1983-07-10
Allen Road	ALRZ	North Island,New Zealand	38.5638S	176.3428E	405	From 2007-11-07
Allentown	ATPA	Pennsylvania,U.S.A.	40.5767N	75.5886W	61	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Alliance	AI-NB	Nebraska,U.S.A.	42.1328N	103.2764W	1311	From 1962-11-07 to 1962-12-12
Alliance	AI-	Nebraska,U.S.A.	42.1328N	103.2764W	1311	From 1962-11-07 to 1962-12-12
Al Lith	LITH	Saudi Arabia	20.7161N	40.6161E	100	
Al Lith	LTHS	Saudi Arabia	20.2757N	40.4111E	121	
Allumiere - RM	TO02	Italy	42.1378N	11.8886E	410	From 2008-04-11 to 2009-04-02
Alma-Ata	AAA	Kazakhstan	43.2717N	76.9467E	800	
Alma-Ata	AA1	Kazakhstan	43.2717N	76.9467E	800	
Almaden	AMC	California,U.S.A.	37.1583N	121.8470W	244	From 1968-10-16
Almaden	JALM	California,U.S.A.	37.1583N	121.8470W	244	From 1968-10-16
Al Majma'ah	MJMA	Saudi Arabia	25.8550N	45.2890E	650	From 1990-03-01
Al Marj	MARJ	Libya	32.5818N	20.8757E	408	
Almaty	KNDC	Kazakhstan	43.2172N	76.9658E	900	From 2005-11-28
Almayashu	AML	Kyrgyzstan	42.1311N	73.6941E	3400	
Al-Mazaregh	MZRK	Syria	35.8266N	40.6525E	373	From 2002-04-01
Almeirim	ALMR	Portugal	39.1555N	8.5768W	165	
Almeirim	AMRP	Portugal	39.1583N	8.5750W	160	From 1990-02-01 to 2009-05-30
Almeria	EXAM	Spain	36.8520N	2.4590W	65	
Almeria	ALM	Spain	36.8525N	2.4598W	65	
ALMNKUR	MNKR	Syria	35.9425N	39.2708E	376	From 2002-04-01
Al Mukalla	MUKL	Yemen	14.4760N	49.0360E	41	
Al Mukha	MUKH	Yemen	13.3150N	43.2653E	0	
Al-Naaiem	NAY	Kuwait	29.2489N	47.2421E	218	
Alonnisos	AOS	Greece	39.1703N	23.8800E	200	From 1996-07-11
Alotau	ALOA	Papua New Guinea	10.2983S	150.3770E	10	From 1984-02-03
Alotau	ALOT	Papua New Guinea	10.2960S	150.4640E	200	From 1982-11-08 to 1984-02-03
ALPA Array Beam Reference Point	ALAR	Alaska,U.S.A.	65.0653N	147.5639W	626	
ALPA Array Site 31	AL31	Alaska,U.S.A.	65.0653N	147.5639W	626	
ALPA Array Site 32	AL32	Alaska,U.S.A.	65.1944N	147.3161W		
ALPA Array Site 33	AL33	Alaska,U.S.A.	65.0286N	147.1961W		
ALPA Array Site 35	AL5	Alaska,U.S.A.	64.9447N	147.8595W		From 1993-07-01
ALPA Array Site 36	AL36	Alaska,U.S.A.	65.0978N	148.0014W		
ALPA Array Site 37	AL37	Alaska,U.S.A.	65.2333N	147.7433W		
Alpe Faloria	AFL	Italy	46.5300N	12.1800E	2235	
Alpha Peak	APW	Washington,U.S.A.	46.6517N	122.6470W	457	
Alpine	ALPW	Wyoming,U.S.A.	43.1506N	110.9980W	1792	From 1986-01-01
Alpnach	APL	Switzerland	46.9496N	8.2428E	880	From 1992-12-01 to 2004-08-05
Al-Qirein	QRNJ	Jordan	32.3350N	35.5750E	-180	
Alquife, Granada	E015	Spain	37.1743N	3.1115W	1316	From 2007-06-27 to 2009-06-25
Al-Qurain	QRN	Kuwait	28.7444N	47.9177E	135	
Al-Radifah	RDF	Kuwait	28.9259N	47.5497E	180	
Al Salmeh	SLMH	Syria	36.2139N	37.9278E	510	From 1995-04-01
Al Shahba	SHBJ	Jordan	32.3025N	37.8280E	960	From 1987-10-24
Al Sharaya	SHRA	Saudi Arabia	21.4789N	39.9681E	413	From 1995-01-01
Al Sooda	SODA	Saudi Arabia	18.2900N	42.3740E	2600	From 1989-06-06
Alsterbro	ATR	Sweden	56.9950N	15.9180E	119	From 1980-01-01
Alston	ALST	Oregon,U.S.A.	46.1090N	123.0329W	198	
Alta	AAU	Utah,U.S.A.	40.5919N	111.6380W	2694	From 1974-11-01 to 1976-04-30
Altamira	ATB	Para,Brazil	3.2878S	52.2250W		
Altamura	AMUR	Italy	40.9071N	16.6041E	443	From 2005-08-03
Alta Sierra Campground	WASM	California,U.S.A.	35.7382N	118.5570W	1871	
Alta Urco	ALTA	Ecuador	2.4737S	78.9893W	2700	From 1996-03-05
Alteburg	ABH	Rheinland-Pfalz,Germany	49.8817N	7.5475E	618	From 1993-01-01
Alter Ridge	ALD	Washington,U.S.A.	45.8194N	120.0670W	427	From 1975-11-01
Altiaghaj	ATGJ	Azerbaijan	40.8610N	48.9380E	1133	From 2009-09-07
Altintas	ALT	Turkey	39.0552N	30.1103E	1060	From 1973-06-27
Altinyayla-SIVAS	CUALT	Turkey	39.2733N	36.7583E	1482	From 2010-07-06
Altmuhljura-Amtmannsdorf	ALTM	Bayern,Germany	48.9950N	11.5200E	430	From 2003-01-01
Alto Anchicaya	ANCC	Colombia	3.5153N	76.8667W	540	
Alto Bandera	DR10	Dominican Republic	18.8082N	70.6878W	2470	
Alto Masis	AMAS	Costa Rica	10.6115N	84.9930W	979	From 2000-01-01
Altona	ATO	Oklahoma,U.S.A.	35.7922N	98.1195W	364	From 1982-11-11
Altoona	AS-PA	Pennsylvania,U.S.A.	40.7331N	78.5239W	469	
Altos	ACH	Panama	8.6635N	79.9292W	900	
Alturitas	ALTV	Venezuela	9.7516N	72.4178W		
Altzomoni	IIA	Mexico D.F.,Mexico	19.1495N	98.6583W		
Al 'Udayn	UDYN	Yemen	13.9670N	43.9670E	1370	From 1994-11-01
Alum Ck. St. Park	ACOH	Ohio,U.S.A.	40.2318N	82.9833W		
Alum Creek State Park	ACSO	Ohio,U.S.A.	40.2319N	82.9820W	288	
Alushta	ALU	Ukraine	44.6820N	34.4030E	61	
Al'Uyaynah	AYN	Saudi Arabia	28.8660N	36.0010E	770	From 1986-01-01
Alvares	PCAL	Portugal	40.0309N	8.0718W	454	From 2010-01-01
Alvey	ALVY	Oregon,U.S.A.	43.9981N	123.0158W	155	
Alvord Mountain	ALV	California,U.S.A.	35.0617N	116.6289W	640	
Al Wahab	WHAB	Syria	35.9171N	37.5520E	630	From 1995-04-01
Al Wajh	WAJH	Saudi Arabia	26.1760N	36.5600E	75	From 1988-06-20
Alzada	G24A	Montana,U.S.A.	45.3280N	104.4163W	1147	From 2008-11-25
Amaminishikomi	JAMN	Ryukyu Islands,Japan	28.2430N	129.1750E	10	From 2009-03-01
Amami Oshima	JAM	Ryukyu Islands,Japan	28.4113N	129.6052E	15	
Amanu	AMN	Tuamotu,French Polynesia	17.8506S	140.8590W	2	From 1976-01-01
Amara	AMRR	Romania	44.6103N	27.3354E	67	
Amargosa	AMR	California,U.S.A.	36.3975N	116.4745W	725	From 1978-07-24 to 2002-12-10
Amargosa	AMDNV	Nevada,U.S.A.	36.4526N	116.2809W	0	
Amarillo	AZ-TX	Texas,U.S.A.	35.4300N	101.9306W	988	From 1963-08-28 to 1964-03-06
Amarillo	AZ-	Texas,U.S.A.	35.4300N	101.9306W	988	From 1963-08-28 to 1964-03-06
Amarillo	AMTX	Texas,U.S.A.	34.8837N	101.6808W	1010	From 2004-09-30
Amasra-Bartin	MASR	Turkey	41.7599N	32.4691E	330	From 2011-02-22
Amasugawa 1	AM1	Shiga,Japan	35.4444N	135.9186E	250	
Amasugawa 2	AM2	Shiga,Japan	35.4441N	135.9215E	180	
Amatignak Island	AMA	Alaska,U.S.A.	51.2884N	179.1090W	503	From 1970-10-09 to 1973-04-30
Amatzia	AMZI	Israel	31.4590N	34.9125E	151	
Amatzia	AMAZ	Israel	31.5325N	34.9154E	396	From 2005-12-05
Ambar	AMP	Pakistan	34.0550N	72.4150E	361	
Ambatonomby	OBY	Madagascar	19.3680S	47.4570E	1625	
Amberd	AMBZ	Armenia	40.3880N	44.2590E	2200	
Ambohiby	ATG	Madagascar	18.8790S	46.1880E	1520	From 1994-06-16
Ambohidratompo	OPO	Madagascar	18.5706S	47.1879E	1463	From 1978-11-17
Ambohimiarambe	ABM	Madagascar	19.7810S	47.3650E	1843	From 1982-03-23
Ambohimpanom	ABPO	Madagascar	19.0174S	47.2275E	1528	
Ambon	AAI	Ambon,Indonesia	3.6870S	128.1945E	80	From 1975-01-01
Ambon	AMO	Ambon,Indonesia	3.7000S	128.1670E		
Amboy	AB-WV	West Virginia,U.S.A.	39.3306N	79.5669W	914	
Amboy	AB-	West Virginia,U.S.A.	39.3306N	79.5669W	914	
Amboy	F04A	Washington,U.S.A.	45.9325N	122.4193W	211	From 2005-10-25 to 2008-10-27
Ambulong	AMB	Luzon,Philippines	14.0833N	121.0500E	10	From 1910-01-01 to 1999-08-25
Amchitka	AMC*	Alaska,U.S.A.	51.4097N	179.2922E	0	From 1965-01-01 to 1966-01-01
Amchitka	AEB	Alaska,U.S.A.	51.3604N	179.2470E		
Amchitka	AC-IS	Alaska,U.S.A.	51.3894N	179.3425E	61	
Amchitka	ANA	Alaska,U.S.A.	51.6277N	178.6560E		From 1969-08-25 to 1973-04-30
Amchitka	AMKA	Alaska,U.S.A.	51.3783N	179.3019E	115	
Amchitka	ANB	Alaska,U.S.A.	51.6062N	178.7920E		From 1970-10-14 to 1971-04-30
Amchitka	AND	Alaska,U.S.A.	51.5623N	178.9530E	186	From 1970-07-18 to 1973-04-30
Amchitka	ASB	Alaska,U.S.A.	51.3604N	179.2470E		From 1969-05-25 to 1973-04-30
Amchitka	ASC	Alaska,U.S.A.	51.4631N	179.1580E		From 1969-07-28 to 1972-12-11
Amchitka	ASD	Alaska,U.S.A.	51.3907N	179.3420E		From 1969-05-29 to 1973-04-30
Amchitka	AWA	Alaska,U.S.A.	51.3746N	179.2530E		
Amchitka Central A	ACA	Alaska,U.S.A.	51.4809N	179.1190E	42	From 1971-05-08 to 1972-12-11
Amchitka Central B	ACB	Alaska,U.S.A.	51.4626N	179.0910E	47	From 1971-05-08 to 1972-06-30
Amchitka Central C	ACC	Alaska,U.S.A.	51.4843N	179.0430E	26	From 1971-05-08 to 1972-06-30
Amchitka Central D	ACD	Alaska,U.S.A.	51.4282N	179.1370E	37	From 1971-05-08 to 1972-06-30
Amchitka Central E	ACE	Alaska,U.S.A.	51.4005N	179.1730E	9	From 1971-05-08 to 1972-06-30
Amchitka Central F	ACF	Alaska,U.S.A.	51.5258N	178.9940E	62	From 1971-05-08 to 1972-06-30
Amchitka East	AME	Alaska,U.S.A.	51.3867N	179.2550E		
Amderma	AMD	Arkhangel'skaya Oblast',Russia	69.7667N	61.6833E		
AMECAMECA	AMVM	Mexico	19.1318N	98.7858W	2458	From 2009-08-18
Amelia	AMI	Italy	42.5851N	12.4286E		
Amelia	AM9	Italy	42.5851N	12.4286E		From 1980-06-01 to 1980-07-01
American Fork	AMF	Utah,U.S.A.	40.4020N	111.7880W	1445	
Americas 2	WILN	Nicaragua	12.1607N	86.1875W	20	
Americus	AMG	Georgia,U.S.A.	32.0594N	84.2177W	106	From 1973-09-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ammassalik, Greenland	ANGG	Greenland	65.6160N	37.6370W	0	From 2000-02-03
Amo	AMJ	Gifu,Japan	36.2494N	137.0280E	620	From 1975-08-05
Amorgos	AMOR	Greece	36.9898N	25.9863E	240	
Amos	AMS	California,U.S.A.	33.1413N	115.2540W	140	From 1973-04-16 to 2008-02-22
Ampana	APSI	Sulawesi,Indonesia	0.9108S	121.6487E	0	From 2007-12-01
Amraillo	W29A	Texas,U.S.A.	35.1212N	101.6476W	1072	From 2009-01-21
Amsterdam Island	AIS	Amsterdam Island	37.7966S	77.5694E	36	
Anacapa Island	AIC	California,U.S.A.	34.0133N	119.4370W	113	From 1973-02-23
Anaconda	AMM	Montana,U.S.A.	46.0942N	112.9510W	2051	
Anadyr'	ANDR	Magadanskaya Oblast',Russia	64.7340N	177.4950E	55	
Anaheim Lake	ALRB	British Columbia,Canada	52.5103N	125.0844W	1237	From 2006-08-30
Anan'yevo	ANVS	Kyrgyzstan	42.7830N	77.6670E	1860	
Anapa	ANN	Krasnodarskiy Kray,Russia	44.8000N	37.4330E	35	
Anarak	ANAR	Iran	33.1897N	53.7288E	1322	From 2011-04-01
Anatahan	ANA2	Mariana Islands	16.3412N	145.7115E	314	
Anatahan	ANAT	Mariana Islands	16.3530N	145.6560E	510	
Anatahan S. Rim	AFOK	Mariana Islands	16.3416N	145.6746E	418	
Anchorage	AMU	Alaska,U.S.A.	61.1917N	149.8050W	53	From 1965-02-01 to 1975-12-05
Anchorage	ANI*	Alaska,U.S.A.	61.2417N	149.8270W		From 1964-03-30 to 1964-06-27
Anchorage	ANH	Alaska,U.S.A.	61.2417N	149.8267W	30	From 1964-03-30 to 1964-06-27
Anchorite	ANCR	Nevada,U.S.A.	38.1732N	118.7537W	2250	
Ancon	PP10	Peru	11.7723S	77.1432W	56	
Ancona	ANS	Italy	43.5522N	13.4622E	295	From 1973-01-01
Ancona	AOI	Italy	43.5500N	13.6020E	530	
Andalgala	ANL	Catamarca,Argentina	27.6167S	66.3167W		
Anderson	ANTN	Tennessee,U.S.A.	36.1717N	85.2313W	612	
Anderson Farm, Haxtun	N27A	Colorado,U.S.A.	40.8063N	102.5367W	1228	From 2008-12-04
Anderson Peak	BAPM	California,U.S.A.	36.1758N	121.6430W	1219	
Anderson Ranch, Garber	U34A	Oklahoma,U.S.A.	36.4365N	97.5354W	345	From 2009-10-23
Anderson Ranch, Keeline	K24A	Wyoming,U.S.A.	42.7225N	104.8152W	1593	From 2008-10-24
Anderson Res.	CADM	California,U.S.A.	37.1638N	121.6258W		From 1967-08-25
Anderson Reservoir	ADR	California,U.S.A.	37.1638N	121.6258W	207	From 1967-08-25
Andimeshk	IAND	Iran	32.4250N	48.3556E	0	From 1998-01-01
Andirin	ANDN	Turkey	37.5800N	36.3452E	1142	From 2006-11-06
Andizhan	ANR	Uzbekistan	40.7550N	72.3600E	494	
Andong	KSAND	South Korea	36.5687N	128.7057E	139	From 1999-04-16
Andong	KSADO	South Korea	36.4121N	128.9488E	0	From 2007-12-26
Andorre	PAND	Andorra	42.5225N	1.5467E	1857	From 1991-10-25
Anegada	ABV	Virgin Islands	18.7298N	64.3320W	35	From 2004-06-01
Anegada Island	ABVI	Puerto Rico,Puerto Rico	18.7297N	64.3325W	8	
Angavokely	AVY	Madagascar	18.9279S	47.7376E	1807	From 1973-01-01
Angela	AN-MA	Montana,U.S.A.	46.7522N	106.0917W	907	From 1964-11-16 to 1965-06-11
Angela	AN-	Montana,U.S.A.	46.7522N	106.0917W	907	From 1964-11-16 to 1965-06-11
Angel Island	CAIM	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel Island	AGC	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel Island	LT13	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel's Peak	APK	Nevada,U.S.A.	36.3194N	115.5740W	2680	From 1975-06-15 to 1983-09-06
Angels Peak	APKW	Nevada,U.S.A.	36.3198N	115.5868W	2580	From 1983-09-06 to 2002-10-10
Angle Creek	ANCK	Alaska,U.S.A.	58.1988N	155.4940W	869	From 1996-08-01
Angle Creek Headwaters	ACHA	Alaska,U.S.A.	58.2107N	155.3260W	960	From 1996-08-01
Angle Mountain	ANGW	Wyoming,U.S.A.	43.8318N	110.1900W	2743	From 1990-09-01
Angol	AGCH	Maule,Chile	37.8093S	72.6964W	81	From 2005-12-20
Angol	ANGC	Malleco,Chile	37.7833S	72.7083W	70	From 1988-01-01
Angono	ARP	Luzon,Philippines	14.5380N	121.1530E	85	
Angora Road	ANWZ	North Island,New Zealand	40.4615S	176.4749E	132	From 2008-08-07
Angostura	ANGV	Venezuela	9.7050N	69.5217W	680	From 1984-01-01 to 1999-08-25
Angra dos Reis-Rio de Janeiro-Brazil	ESAR	Rio de Janeiro	23.0207S	44.4403W	5	From 2006-09-03
Angra Heroismo	ADH0	Azores,Portugal	38.6633N	27.2066W	100	From 1988-12-12 to 2000-05-17
Angra Heroismo	ADH	Azores,Portugal	38.6550N	27.2350W	83	
Angren	ANE	Uzbekistan	41.0100N	70.2600E	951	
Angureal	ANGU	Ecuador	0.0468N	78.0083W	4680	From 2005-09-20
Aniakchak	ANKA	Alaska,U.S.A.	56.9058N	158.2290W	863	From 1994-08-01
Aniakchak	ANI	Alaska,U.S.A.	57.0417N	158.0400W	0	
Aniakchak	ANON	Alaska,U.S.A.	56.9198N	158.1716W	445	
Aniakchak	AZAC	Alaska,U.S.A.	56.8954N	158.2307W	1057	
Aniakchak Crater	ANIA	Alaska,U.S.A.	56.9056N	158.2293W	930	
Aniakchak Jack	AJAX	Alaska,U.S.A.	56.8895N	158.2215W	967	
Aniakchak Northeast	ANNE	Alaska,U.S.A.	56.9127N	158.0589W	705	
Aniakchak Northwest	ANNW	Alaska,U.S.A.	56.9664N	158.2149W	816	
Aniakchak Peak	ANPK	Alaska,U.S.A.	56.8418N	158.1261W	972	
Aniakchak Plenty Bear	ANPB	Alaska,U.S.A.	56.8024N	158.2808W	658	
Anini-y	AAP	Panay,Philippines	10.4200N	121.9440E	50	
Anjarah	ANJJ	Jordan	32.3010N	35.7710E	1075	
Anjilo	IANJ	Iran	35.4672N	53.9144E	2135	From 1999-05-01
Ankara	DAD	Turkey	39.9082N	32.7536E	875	From 2007-12-27
Ankara	ANK	Turkey	39.9167N	32.8167E		
Ankara	ANTO	Turkey	39.8689N	32.7936E	883	From 1978-08-01
Anmore	ANMB	British Columbia,Canada	49.3187N	122.8585W	179	
Anmyeondo	KSANM	South Korea	36.5000N	126.3000E	47	From 2002-11-07
Anna	AN1	Ohio,U.S.A.	40.4792N	84.1308W	323	From 1976-01-15 to 1999-08-25
Anna	AN12	Ohio,U.S.A.	40.9214N	84.1822W	226	
Anna	AN10	Ohio,U.S.A.	40.4728N	84.4700W	297	
Anna	AN8	Ohio,U.S.A.	40.2444N	84.2864W	302	
Anna	AN11	Ohio,U.S.A.	40.5639N	84.6803W	267	
Anna	AN3	Ohio,U.S.A.	40.5486N	83.8122W	326	
Anna	AN4	Ohio,U.S.A.	40.2219N	83.8978W	346	
Anna	AN7	Ohio,U.S.A.	40.8233N	83.8600W	281	
Anna	AN9	Ohio,U.S.A.	40.7111N	84.4969W	255	
Ann Arbor	AAM	Michigan,U.S.A.	42.3012N	83.6567W	172	From 1940-01-01
An Nimas	NAMS	Saudi Arabia	19.1702N	42.2021E	2328	
Anninata	KFL	Greece	38.1096N	20.7880E	264	From 2006-09-30
Annsville	ANNS	New York,U.S.A.	41.3140N	73.9132W	42	
Ano Chora	ANX	Greece	38.5933N	21.9209E	1019	From 2010-11-25
Anoyia	IDI	Crete,Greece	35.2880N	24.8900E	750	
Anpu	ANP	Taiwan region	25.1865N	121.5200E	826	From 1963-03-14
Anshas	MANS	Egypt	30.9560N	31.5180E	45	
Anshuo	EAST	Taiwan region	22.3830N	120.8480E	445	
Antalya	ANTB	Turkey	36.8998N	30.6538E	20	From 2004-03-12
Antalya-Kepez	KEPZ	Turkey	36.9015N	31.6039E	615	From 2010-11-12
ANTÁNANARIVO INFRASONIC ARRAY REFERENCE POINT	IMGI	Madagascar	19.0109S	47.3050E	1385	From 2001-10-15
Antelope	ALPC	California,U.S.A.	34.6871N	118.2995W	753	
Antelope Grade	PAGB	California,U.S.A.	35.7307N	120.2499W	480	
Antelope Grade	PAGM	California,U.S.A.	35.7325N	120.2504W	436	
Antelope Island	ANU	Utah,U.S.A.	41.0397N	112.2320W	1353	From 1975-11-01 to 1991-08-27
Antelope Mountain	LAMM	California,U.S.A.	41.6098N	122.6256W	1769	
Antelope Range	ARUT	Utah,U.S.A.	37.7880N	113.4400W	1646	From 1980-12-01
Antelope Range	ANTCA	California,U.S.A.	37.9177N	118.5650W	2040	
Antelope Ridge	ANTR	New Mexico,U.S.A.	32.2637N	103.4110W	1056	From 1991-01-01
Antelope Valley	BAVM	California,U.S.A.	36.6459N	121.0301W	572	From 1975-07-02
Antenna a Mare	ME06	Italy	38.1595N	15.4647E	1134	From 2007-11-15 to 2008-04-15
Antennamare	ATN	Sicily,Italy	38.1595N	15.4647E	1130	
Antibes	ANTF	Provence-Cote d'Azur,France	43.5640N	7.1230E	54	From 2003-01-06
Anticline Ridge	PARM	California,U.S.A.	36.2492N	120.3420W	485	From 1975-09-05
Antigua	ANG	Antigua,Antigua and Barbuda	17.1550N	61.8300W	27	From 1966-04-20
Antigua	AWI	Antigua,Antigua and Barbuda	17.1430N	61.8350W	23	From 1955-06-24 to 1963-10-06
Antikythira Island	ANKY	Greece	35.8670N	23.3012E	143	From 2008-07-23
Antillo	AIO	Sicily,Italy	37.9712N	15.2330E	751	
Antioch	CACM	California,U.S.A.	36.9762N	121.7600W	74	From 1973-10-26
Antioch Church	ACTN	Tennessee,U.S.A.	36.3470N	89.3100W	143	
Antisana	ANTI	Ecuador	0.4492S	78.1612W	4510	From 1991-08-09
Antlers	AL-OK	Oklahoma,U.S.A.	34.3581N	95.6125W	213	From 1962-07-04 to 1962-07-11
Antlers	AL-	Oklahoma,U.S.A.	34.3581N	95.6125W	213	From 1962-07-04 to 1962-07-11
Antofagasta	ANCH	Antofagasta,Chile	23.6820S	70.4100W	60	
Antofagasta	ANT	Antofagasta,Chile	23.7050S	70.4153W	80	From 1962-12-28
Antumapu	ANTU	Santiago,Chile	33.5691S	70.6335W	640	
Anvil Mountain	ANV	Alaska,U.S.A.	64.5655N	165.3720W	330	From 1976-08-01
Anzar Reservoir 9	AN9*	California,U.S.A.	37.0140N	122.0362W	129	
Anzar Road	HAZM	California,U.S.A.	36.8847N	121.5910W	122	From 1967-06-29
Anzar Road	ANZ	California,U.S.A.	36.8847N	121.5910W	122	From 1967-06-29

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Aoalbol	IADA	Iceland	65.0190N 15.5750W	443	From 1998-09-19
Aobayama	AOB	Miyagi,Japan	38.2483N 140.8470E	87	From 1967-04-01
Aomori	AOM	Aomori,Japan	40.8167N 140.7833E	5	
Aomori	AOM1	Aomori,Japan	40.8200N 140.7733E	3	From 1989-12-01
Aomori 2	AOMJ	Aomori,Japan	40.5600N 140.3730E	8	From 1978-01-01
Aomori 3	AOM3	Aomori,Japan	40.7767N 140.8170E	150	From 1990-04-21
Aou	AOU	Kochi,Japan	33.7923N 133.7710E	470	From 1972-04-01
Aouinet Torkoz	ANTZ	Morocco	28.4747N 9.8547W	300	From 1991-12-18
Aoulouz	ALZ	Morocco	30.6960N 8.1410W	800	
Apacha	APC	Kamchatskaya Oblast',Russia	52.9250N 157.1581E	100	
Apache	AP-	Oklahoma,U.S.A.	34.8331N 98.4358W	427	
Apache	AP-OK	Oklahoma,U.S.A.	34.8331N 98.4358W	427	
Apache Junction	GVA	Arizona,U.S.A.	33.4214N 111.5748W	507	From 1994-01-05
Apakhonchich	APN	Kamchatskaya Oblast',Russia	56.0000N 160.8300E	700	
Apatity	APA	Murmanskaya Oblast',Russia	67.5689N 33.4050E	182	
Apatity Array Beam Reference Point	APAES	Murmanskaya Oblast',Russia	67.6061N 32.9931E	200	
Apatity Array Site A0	APA0	Murmanskaya Oblast',Russia	67.6061N 32.9931E	200	From 1992-09-01
Apatity Array Site A1	APA1	Murmanskaya Oblast',Russia	67.6078N 32.9931E	200	
Apatity Array Site A2	APA2	Murmanskaya Oblast',Russia	67.6053N 32.9964E	200	
Apatity Array Site A3	APA3	Murmanskaya Oblast',Russia	67.6047N 32.9894E	200	
Apatity Array Site B1	APB1	Murmanskaya Oblast',Russia	67.6067N 33.0047E	200	
Apatity Array Site B2	APB2	Murmanskaya Oblast',Russia	67.5983N 33.0017E	200	
Apatity Array Site B3	APB3	Murmanskaya Oblast',Russia	67.6028N 32.9861E	200	
Apatity Array Site B4	APB4	Murmanskaya Oblast',Russia	67.6078N 32.9831E	200	
Apatity Array Site B5	APB5	Murmanskaya Oblast',Russia	67.6100N 32.9928E	200	
Apatity Array Site Z9	APZ9	Murmanskaya Oblast',Russia	67.5686N 33.4050E	200	
Apeiranthos	APE	Greece	37.0689N 25.5306E	620	From 1975-11-01
Aper	APER	Greece	35.5504N 27.1741E	250	
Apex site 3 Nunavut	AP3N	Northwest Territories,Canada	69.4586N 84.4616W	437	From 2005-08-17
Apia	API	Samoa Islands	13.8072S 171.7750W	2	From 1902-01-01
Apoyeque	APYN	Nicaragua	12.2338N 86.3500W	300	
Apoyeque	APY	Nicaragua	12.2277N 86.3528W	260	From 1975-01-01
Apoyo	APON	Nicaragua	11.9167N 86.0667W	600	
Appelbo	APP	Sweden	60.5390N 13.9280E	340	From 1969-01-01
Appiano	APPI	Italy	46.4787N 11.2281E	1056	From 2003-11-12
Apres Vouz Peak	AVOW	Wyoming,U.S.A.	43.6111N 110.8140W	2036	From 1986-01-01
Aqaba	AQBJ	Jordan	29.7280N 35.0500E	170	From 1989-10-23
Aqua Casa	AQ6*	Sicily,Italy	38.4856N 14.9317E		From 1966-04-01 to 1966-05-01
Aqua Vermelha	AGVB	Minas Gerais,Brazil	19.7394S 50.2331W	393	From 1993-03-01
Aquidauana	AQDB	Mato Grosso,Brazil	20.4800S 55.7000W	155	From 2003-07-01
Aquila	MMIG	Michoacan,Mexico	18.2885N 103.3455W	64	From 2006-07-08
Aracena	ARAC	Spain	37.8923N 6.5647W	675	
Aradan	ARDR	Altayskiy Kray,Russia	52.5800N 93.4300E	950	
Arado	A492	Costa Rica	10.2138N 85.5963W	0	From 2000-01-01
Arahi	RAHZ	North Island,New Zealand	38.9179S 177.0858E	472	From 2008-05-15
Arakani	ARKR	Dagestan,Russia	42.6028N 46.9944E	750	
Arakawa	K06	Iwate,Japan	39.4181N 141.5464E	363	
Araks	AKSZ	Armenia	40.1910N 43.8850E	1160	
Aral	ARLS	Kyrgyzstan	41.8610N 74.3230E	1640	
Aranda	RNDA	Australian Capital Territory,Australia	35.2580S 149.0820E	666	From 2007-01-01
Arangoiti	YARA	Spain	42.6477N 1.1902W	1303	From 2009-12-11
Aranguren	EARA	Spain	42.7727N 1.5797W	476	From 2005-07-07
Arapaho	V32A	Oklahoma,U.S.A.	35.7202N 99.0437W	533	From 2009-10-29
Arapuni	ARA	North Island,New Zealand	38.0833S 175.6500E	65	From 1930-07-01 to 1950-10-31
Araqi	ARQ	Oman	23.3366N 56.5219E	400	From 2001-07-01
Ararat	ARRZ	Armenia	39.8540N 44.6970E	850	
'Arava Valley	ARVI	Israel	30.6400N 35.1870E		
Araxos	AXS	Greece	38.1962N 21.3763E	97	From 2009-05-27
ARAXOS	ARX	Greece	38.1897N 21.4135E	196	From 2006-01-06
Arbavere	ARBE	Estonia	59.4365N 25.9841E	71	From 2011-01-20
Arbois	ARBF	Provence-Cote d'Azur,France	43.4917N 5.3325E	185	From 1998-11-01
Arbon	K15A	Idaho,U.S.A.	42.6852N 112.5305W	1566	From 2007-07-24 to 2009-05-07
Arbuckle	GARM	California,U.S.A.	38.9552N 122.2520W	268	
Arcadia Dam	ADOK	Oklahoma,U.S.A.	35.6521N 97.3711W	316	
ARCALIA	ARCR	Romania	47.0855N 24.3537E	385	
Arcata	ARC	California,U.S.A.	40.8777N 124.0774W	30	From 1948-02-27
Arcavacata	ACI	Italy	39.3508N 16.2031E	300	From 1976-05-18
ARCESS Array Beam Reference Point	ARCES	Norway	69.5349N 25.5058E	403	
ARCESS Array Site A0	ARA0	Norway	69.5349N 25.5059E	403	
ARCESS Array Site A1	ARA1	Norway	69.5363N 25.5071E	411	
ARCESS Array Site A2	ARA2	Norway	69.5338N 25.5078E	392	
ARCESS Array Site A3	ARA3	Norway	69.5346N 25.5019E	402	
ARCESS Array Site B1	ARB1	Norway	69.5379N 25.5079E	414	
ARCESS Array Site B2	ARB2	Norway	69.5357N 25.5134E	397	
ARCESS Array Site B3	ARB3	Norway	69.5324N 25.5106E	376	
ARCESS Array Site B4	ARB4	Norway	69.5328N 25.4998E	378	
ARCESS Array Site B5	ARB5	Norway	69.5363N 25.4985E	405	
ARCESS Array Site C1	ARC1	Norway	69.5411N 25.5079E	381	
ARCESS Array Site C2	ARC2	Norway	69.5383N 25.5229E	395	
ARCESS Array Site C3	ARC3	Norway	69.5329N 25.5231E	376	
ARCESS Array Site C4	ARC4	Norway	69.5293N 25.5117E	377	
ARCESS Array Site C5	ARC5	Norway	69.5300N 25.4982E	374	
ARCESS Array Site C6	ARC6	Norway	69.5341N 25.4882E	395	
ARCESS Array Site C7	ARC7	Norway	69.5396N 25.4936E	362	
ARCESS Array Site D1	ARD1	Norway	69.5483N 25.5093E	395	
ARCESS Array Site D2	ARD2	Norway	69.5452N 25.5308E	366	
ARCESS Array Site D3	ARD3	Norway	69.5366N 25.5483E	331	
ARCESS Array Site D4	ARD4	Norway	69.5271N 25.5362E	371	
ARCESS Array Site D5	ARD5	Norway	69.5214N 25.5118E	351	
ARCESS Array Site D6	ARD6	Norway	69.5227N 25.4900E	413	
ARCESS Array Site D7	ARD7	Norway	69.5294N 25.4707E	413	
ARCESS Array Site D8	ARD8	Norway	69.5384N 25.4686E	368	
ARCESS Array Site D9	ARD9	Norway	69.5454N 25.4857E	359	
ARCESS Array Site E0	ARE0	Norway	69.5348N 25.5057E	403	
Arcevia	ARV	Italy	43.4977N 12.9410E	459	From 1983-06-01
Arcevia	ARVD	Italy	43.4981N 12.9415E	461	
Archignac	ARH	Aquitaine,France	45.0097N 1.3117E	320	
Arcidosso	ARCI	Italy	42.8519N 11.4754E	1080	From 2005-05-04
Arctowski Station	AAS	South Shetland Islands	62.1600S 58.4625W	15	From 1978-04-01 to 2000-06-29
Arden House	ARNY	New York,U.S.A.	41.3032N 74.1145W	430	
Ardmore	AM-	Oklahoma,U.S.A.	34.0478N 97.4114W	274	From 1961-12-08 to 1961-12-20
Ardmore	AM-OK	Oklahoma,U.S.A.	34.0478N 97.4114W	274	From 1961-12-08 to 1961-12-20
Ardon	ARNR	Severo-Osetinskaya,Russia	43.1893N 44.2792E	428	From 2001-01-31
Areado	AREB	Brazil	21.3625S 46.1234W	982	
Arecibo	APR	Puerto Rico	18.4422N 66.7247W	50	From 1975-11-14
Arecibo Observatory	AOPR	Puerto Rico	18.3466N 66.7539W	355	
Arenal	AR1	Costa Rica	10.4586N 84.7322W	595	
Arenal	AREE	Ecuador	1.4823S 78.4213W	4005	
Arenal 1	ARE1	Costa Rica	10.4610N 84.7188W	359	From 2000-01-01
Arenal Observatory Lodge	AROL	Costa Rica	10.4373N 84.7092W	720	
Arenas del Rey	EXAR	Spain	36.9580N 3.8940W	927	
Arenillas	ARNL	Colombia	3.5478S 80.0670W	44	From 2008-12-17
Arequipa	ARE	Peru	16.4621S 71.4913W	2452	
Arette	NE10	Aquitaine,France	43.0860N 0.6990W	480	From 1982-11-01 to 2001-07-28
Arette	ATE	Aquitaine,France	43.0858N 0.7003W	480	From 1977-12-01
Argentiere	OGAG	Provence-Cote d'Azur,France	44.4547N 6.5410E	1300	
Argentine Island	AIA	Antarctic Peninsula	65.2500S 64.2667W	11	From 2001-01-10
Arges	ARR	Romania	45.3675N 24.6336E	871	
Argonne	AO-WS	Wisconsin,U.S.A.	45.6067N 88.9503W	518	
Argonne	AO-	Wisconsin,U.S.A.	45.6067N 88.9503W	518	
Argonne North	ARNI	Idaho,U.S.A.	43.6667N 112.6240W	1553	From 1990-08-14
Argyle Ridge	ARGU	Utah,U.S.A.	39.8228N 110.5437W	2828	
Arica	ARI	Tarapaca,Chile	18.5294S 70.1769W	250	
Arica	ARCH	Chile	18.4906S 70.2965W	58	From 2008-10-17
Arida	ARD	Wakayama,Japan	34.0859N 135.1620E	40	From 1958-12-01
Arik	KRX	Kamchatskaya Oblast',Russia	53.3590N 158.6490E	1413	From 2009-08-01
Arisaig	KAR1	Scotland,United Kingdom	56.9188N 5.8290W	186	From 1983-01-01
Arizona State University	ASU	Arizona,U.S.A.	33.4163N 111.9350W	354	From 1971-11-01
Arkansas Junction, Hobbs	127A	New Mexico,U.S.A.	32.6764N 103.3575W	1160	From 2008-03-16 to 2010-03-03

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Arkaroola	ARKL	South Australia,Australia	30.2760S	139.3390E	520	
Arkhangelos	ARG	Greece	36.2161N	28.1261E	170	From 1966-07-10
Arkhangelos	RHD	Greece	36.2161N	28.1261E	170	From 1966-07-10
Arkit	ARK	Kyrgyzstan	41.7980N	71.9630E	1280	
Arlington	R26A	Colorado,U.S.A.	38.3009N	103.4470W	1304	From 2008-11-30
Arlington Trafton Elementary School	ATES	Washington,U.S.A.	48.2364N	122.0592W	62	
Armento	ARME	Italy	40.3163N	16.0321E	989	
Armidale	ARMA	New South Wales,Australia	30.4183S	151.6293E	1112	From 1995-09-12
Armutlu	ARMT	Turkey	40.5656N	28.8616E	418	
Army Bay	ABAZ	North Island,New Zealand	36.6020S	174.8322E	74	From 2008-10-13
Army Corps of Engineers Seattle ANSS	ACES	Washington,U.S.A.	47.5595N	122.3411W	55	From 2000-07-06
Arna	ARNS	Norway	60.4500N	5.4700E	30	From 2002-01-01
Arnica Sink	LASM	California,U.S.A.	41.5993N	121.5770W	2060	
Arnoeviken	ARNU	Sweden	61.6920N	17.3780E	100	From 2000-07-15
Arnold Ranch	ARN	California,U.S.A.	37.3493N	121.5327W	628	
Arnold Ranch	CAOM	California,U.S.A.	37.3493N	121.5330W	628	
Aropaoanui	ARHZ	North Island,New Zealand	39.2631S	176.9959E	270	From 2010-03-11
Arp	ARPT	Tennessee,U.S.A.	35.7560N	89.6733W	122	
Ar Rass	ARSS	Saudi Arabia	25.8810N	43.2365E	720	
Arrayan	ARRY	Ecuador	1.5063S	78.4552W	2900	From 1994-10-29
Ar Rayn	RAYN	Saudi Arabia	23.5225N	45.5032E	631	
Ar Rifa	BRF	Bahrain	26.0733N	50.5833E		
Arriondas	EARI	Spain	43.3012N	5.2099W	680	
Arroyo Pinares	AAPN	Spain	37.3077N	4.1210W	1160	
Arroyo Seco	AASM	California,U.S.A.	38.4300N	121.1090W	65	
Arshan	ARS	Irkutskaya Oblast',Russia	51.9203N	102.4233E	970	
Arslanbob	ARSB	Kyrgyzstan	41.3240N	72.9820E	1510	
Arsuz	ARST	Turkey	36.4550N	35.9400E	35	From 1997-03-01
Art	433A	Texas,U.S.A.	30.7544N	99.0910W	447	From 2009-11-10
Arta	ART	Djibouti	11.5212N	42.8378E	710	From 1972-04-01 to 1976-12-31
Arta Grotte	AGD	Djibouti	11.5290N	42.8240E	450	From 1985-03-09
Arta Observatory	ARO	Djibouti	11.5270N	42.8462E	680	From 1972-12-01
Arta Tunnel	ATD	Djibouti	11.5300N	42.8470E	610	
Artemida-Makistos	AMT	Greece	37.5324N	21.7089E	481	From 2008-12-22
Arthez-de-Bearn	ARTL	Aquitaine,France	43.4561N	0.5881W	210	
Arti	ARU	Sverdlovskaya Oblast',Russia	56.4302N	58.5625E	250	
Artigues	ARTF	Provence-Cote d'Azur,France	43.5870N	5.8050E	513	
Artvin	ARTV	Turkey	41.1849N	41.9283E	2034	From 2005-08-05
Artybash	ARTR	Altayskiy Kray,Russia	51.7980N	87.2810E	464	From 1980-07-26
Artyk	ATKR	Sakha,Russia	64.1800N	145.1333E	700	
Aruch	ARUZ	Armenia	40.2830N	44.0910E	1200	
Arusha	ARTT	,United Republic of Tanzania	2.7256S	36.2817E		From 1993-01-01
Arviat, NU	ARVN	Nunavut,Canada	61.0898N	94.0648W	-16	From 2006-08-14
Arvin	ARVC	California,U.S.A.	35.1269N	118.8301W	258	From 1983-09-15
Arzberg	ARSA	Austria	47.2505N	15.5232E	577	From 1997-06-20
Asacha	ASAK	Kamchatskaya Oblast',Russia	52.3830N	157.9000E	922	From 2008-12-23
Asagicarikuru	ASAT	Turkey	40.6936N	30.7439E	100	
Asahigawa	AHS	Shiribeshi,Japan	43.1339N	141.0460E	170	From 1974-04-20 to 1974-12-10
Asahikawa	ASA	Kamikawa,Japan	43.7700N	142.3730E	112	
Asahikawa	ASAJ	Kamikawa,Japan	44.1165N	142.5968E	220	From 1978-01-01
Asama Observatory	AVOE	Nagano,Japan	36.4011N	138.5720E	1406	From 1933-01-01
Asama Yama	ASM	Nagano,Japan	36.4000N	138.5670E		
Ascension	ASCN	Ascension	7.9327S	14.3601W	173	From 1994-10-01
Ascension Island Hydrophone Array Site 19	ASH19	Ascension	7.8250S	14.6020W	-125	
Ascension Island Hydrophone Array Site 21	ASH21	Ascension	7.9870S	14.4950W	-810	
Ascension Island Hydrophone Array Site 23	ASH23	Ascension	8.0697S	14.4175W	-841	
Ascension Island Hydrophone Array Site 24	ASH24	Ascension	8.0557S	14.4490W	-777	
Ascension Island Hydrophone Array Site 25	ASH25	Ascension	8.9465S	14.6500W	-1646	
Ascension Island Hydrophone Array Site 26	ASH26	Ascension	8.9440S	14.6180W	-1661	
Ascension Island Hydrophone Array Site 27	ASH27	Ascension	7.8530S	14.3660W	-770	
Ascension Island Hydrophone Array Site 29	ASH29	Ascension	7.9490S	14.2660W	-824	
ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	ASCG	Ascension	7.9377S	14.3752W	189	From 2005-04-14
Ascoli Pisceno	ALP	Italy	42.7803N	13.5761E	1370	From 1979-01-01
Asem Bagus	ABJI	Jawa,Indonesia	7.7957S	114.2342E	0	From 2007-12-01
Aserradero	ASE	Nicaragua	12.4747N	87.1903W		From 1977-02-03 to 1980-12-31
Ashes, Strandquist	B32A	Minnesota,U.S.A.	48.3951N	96.5363W	335	From 2010-08-14
Asheville	AVNC	North Carolina,U.S.A.	35.6240N	82.5310W	943	
Ashfield	BASO	Ontario,Canada	44.0133N	81.6648W	185	From 2007-08-01
Ash Flat	AFAR	Arkansas,U.S.A.	36.1333N	91.5312W	239	
Ashford Hill	AFH	England,United Kingdom	51.3439N	1.2197W	91	
Ashibetsu	JAB	Sorachi,Japan	43.5045N	142.2232E	187	
Ashikaga	JAG	Tochigi,Japan	36.4250N	139.4533E	241	
Ashiyiah	ASHO	Oman	24.6839N	56.0583E	546	From 2004-12-01
Ashizuri	ASZ	Kochi,Japan	32.7200N	133.0133E	32	From 1962-01-01
Ashkhabad	ASHT	Turkmenistan	37.9421N	58.3847E	262	From 2009-12-06
Ashkhabad	ASH	Turkmenistan	37.9500N	58.3500E	220	
Ashland	ALO	Oregon,U.S.A.	42.2000N	122.7000W	720	
Ash Meadows, Armagosa	U10A	Nevada,U.S.A.	36.4193N	116.3297W	668	From 2006-06-17 to 2008-10-15
Ashnola River, Keremeos	A07A	British Columbia,Canada	49.0480N	120.3837W	1842	From 2006-10-14 to 2008-06-17
Ashorobuto	JAR	Kushiro,Japan	43.2968N	143.7695E	210	
Ashpeak Ranch, Duncan	119A	Arizona,U.S.A.	32.7663N	109.3029W	1406	From 2007-03-11 to 2009-01-18
Ashqof	ASHJ	Jordan	32.3440N	37.6190E	1100	
Ashtabula EMA	ACEO	Ohio,U.S.A.	41.7490N	80.7680W	293	
Ashtian	ASAO	Iran	34.5480N	50.0253E	2217	From 1998-03-28
Ashton Mining of Canada property	YOSQ	Quebec,Canada	52.8666N	72.1998W	649	From 2005-06-26
Askersund	ASKU	Sweden	58.8946N	14.8288E	150	From 2002-03-25
Askja	IASK	Iceland	65.0519N	16.6482W	955	From 2007-09-21
Askoy	ASK	Norway	60.4830N	5.1950E	50	From 1983-01-01
Asmera	ASME	Eritrea	15.3500N	38.9300E	2420	From 1988-01-01
Asmuli	IASM	Iceland	63.8340N	20.6150W	22	From 1990-01-03
Aso	ASO	Kumamoto,Japan	32.8833N	131.0170E	568	From 1928-01-01 to 1999-08-25
Asolfsskalaheidi	IASO	Iceland	63.5966N	19.7311W	673	From 2010-12-17
Asolo, Italy	MASO	Italy	45.8040N	11.9164E	365	From 2010-06-22
Aso san	ASJ	Kumamoto,Japan	32.8767N	131.0750E	1143	
Aspremont	ASPF	Provence-Cote d'Azur,France	43.7682N	7.2583E	850	
Aspurt	YASP	Spain	42.7292N	1.1634W	692	From 2010-05-01
Asqua	ASQU	Italy	43.7967N	11.7893E	860	From 2007-10-25
As Saff	HSAF	Egypt	29.6187N	31.5538E	446	
Assam	NGJA	Assam,India	26.7067N	91.6750E	60	
Assam	BKOA	Assam,India	25.9833N	91.2667E	50	
Asse, Remlingen/Germany	ASSE	Germany	52.1303N	10.6729E	-809	From 2007-07-01
Assergi	RM28	Italy	42.4024N	13.5486E	1482	From 2009-06-19 to 2009-08-31
Assisi	ASS	Italy	43.0630N	12.6517E	805	From 1983-05-01
Assisi San Benedetto	ASSB	Italy	43.0426N	12.6587E	734	From 2008-06-11
Astara	ASTR	Azerbaijan	38.5600N	48.7910E	148	From 2010-11-29
Astolofo Dutra	ATDB	Minas Gerais,Brazil	21.2900S	42.8606W		From 1995-12-01
Astor Pass	APNR	Nevada,U.S.A.	40.2300N	119.8665W	1471	
Aswan	ASW	Egypt	24.0782N	32.8888E	132	From 1975-10-01
Atahualpa	ATAH	Peru	7.1351S	78.3944W	3165	
Atalanti	ATAL	Greece,Greece	38.6926N	23.0213E	290	From 2008-01-01
'Ataq	ATAQ	Yemen	14.5333N	46.8083E	0	
Atar	ATA	Djibouti	11.4537N	43.2052E	50	From 1972-04-01
Atar 1	ATR1	Israel	30.9700N	34.6300E	200	
Atchley Ranch, Grenville	U26A	New Mexico,U.S.A.	36.3945N	103.7439W	1861	From 2008-05-11
Athens Obs.	ATU	Greece	37.9722N	23.7167E	95	From 1892-01-01
Athens Observatory	ATH	Greece	37.9722N	23.7167E	95	From 1892-01-01
Athens University	ATHU	Greece,Greece	37.9665N	23.7845E	308	From 2008-01-20
Athinios (Pelekanos)	THT1	Greece	36.3858N	25.4296E	0	From 2011-03-25
Atibaia	VAO2	Sao Paulo,Brazil	23.2250S	46.5417W	1120	From 1993-07-01
Atico	ATI	Peru	16.1711S	73.6203W	300	
Atikokan Iron Mine	ATKO	Ontario,Canada	48.8231N	91.6004W	382	
Atka	AA-IS	Alaska,U.S.A.	52.2117N	174.2036W	6	
Atka Island	ATKA	Alaska,U.S.A.	52.2027N	174.1955W	55	
ATLACOMULCO	ATVM	Mexico	19.7618N	99.8410W	2527	From 2009-01-01
Atlanta	I12A	Idaho,U.S.A.	43.7945N	115.1328W	1849	From 2007-08-05 to 2009-07-28
Atlanta	ATL	Georgia,U.S.A.	33.4333N	84.3375W	272	From 1963-06-21
Atlantic LNG	ALNG	Trinidad and Tobago	10.1814N	61.6882W		
Atluck Lake	ATLB	British Columbia,Canada	50.2184N	127.0600W	266	From 2005-04-21
Atoka	AK-	Oklahoma,U.S.A.	34.3683N	96.0572W	183	From 1962-06-17 to 1962-06-28

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Atoka	AK-OK	Oklahoma,U.S.A.	34.3683N	96.0572W	183	From 1962-06-17 to 1962-06-28
Atsumi	JAA	Aichi,Japan	34.6317N	137.1433E	30	
Atsumi	ATM	Yamagata,Japan	38.5650N	139.6620E	180	From 1968-09-15
Atsumi	JYA	Yamagata,Japan	38.5930N	139.7138E	200	
Attachie	ATC	British Columbia,Canada	56.2300N	121.4500W		
At Ta'if	TAIF	Saudi Arabia	21.2920N	40.3540E	1680	From 1989-02-01
Attica	ATT	New York,U.S.A.	42.8358N	78.1942W	470	From 1971-07-01 to 1976-01-16
Attu Island--Fox	ATTU	Alaska,U.S.A.	52.8821N	173.1643E	250	From 1993-07-01
Attu Island--Fox	FX1	Alaska,U.S.A.	52.8821N	173.1643E	250	From 1993-07-01
At Turbah	TRBA	Yemen	13.2310N	44.1150E	1860	
Atwood	P29A	Kansas,U.S.A.	39.6021N	100.9316W	929	From 2009-05-13
Auburn	ABRN	New York,U.S.A.	42.9963N	76.4853W	224	
Auburn	ABN	Nebraska,U.S.A.	40.3911N	95.8506W	294	From 1977-11-18
Auburn Dam	ADC	California,U.S.A.	38.9448N	120.9680W	524	From 1972-02-01 to 1983-05-16
Auburn Hatchery	AHID	Idaho,U.S.A.	42.7654N	111.1004W	1960	
Auburntown	ABTN	Tennessee,U.S.A.	35.8855N	86.1090W	363	From 1984-01-01
Auchinoon	EAU	Scotland,United Kingdom	55.8454N	3.4474W	359	From 1969-01-01
Auckland	AUC	North Island,New Zealand	36.8600S	174.7780E	79	From 1941-04-01 to 2003-09-09
Augspurger Mountain	APM	Washington,U.S.A.	45.7361N	121.6810W	865	
Augst-Roemermuseum	SAUR	Switzerland	47.5339N	7.7228E	290	From 2006-03-23
Augusta	AG-	Maine,U.S.A.	44.3728N	69.6628W	152	
Augusta	AG-ME	Maine,U.S.A.	44.3728N	69.6628W	152	
Augusta	HAGA	Sicily,Italy	37.2850N	15.1550E	126	From 1994-05-01
Augusta-Monte Tauro	AGST	Sicily,Italy	37.2565N	15.2271E	70	
Auguste-Victoria Mine North	BAVN	Nordrhein-Westfalen	51.7380N	7.1220E	65	From 2011-02-21
Augustine Domo	AUD	Alaska,U.S.A.	59.3626N	153.4260W	1208	From 1994-09-06
Augustine Flow	AUF	Alaska,U.S.A.	59.3878N	153.4590W	165	From 1975-09-01
Augustine H	AUH	Alaska,U.S.A.	59.3639N	153.4430W	890	From 1978-12-01
Augustine Island	AGI	Alaska,U.S.A.	59.3800N	153.4200W	580	From 1971-08-01 to 1976-01-31
Augustine Island	AUE	Alaska,U.S.A.	59.3590N	153.3720W	172	
Augustine Island	AUI	Alaska,U.S.A.	59.3352N	153.4270W	293	From 1978-04-01
Augustine Island	AU2	Alaska,U.S.A.	59.3703N	153.3780W	195	
Augustine Lava	AUL	Alaska,U.S.A.	59.3822N	153.4350W	360	From 1980-10-29
Augustine Mound	AUM	Alaska,U.S.A.	59.3708N	153.3530W	105	From 1975-09-01
Augustine NWest	AUNW	Alaska,U.S.A.	59.3782N	153.4768W	160	
Augustine Pinnacle	AUP	Alaska,U.S.A.	59.3623N	153.4210W	1033	From 1977-09-22
Augustine SEast	AUSE	Alaska,U.S.A.	59.3414N	153.3975W	152	
Augustine-Summit	AGU	Alaska,U.S.A.	59.3600N	153.4310W	1226	From 1990-09-01
Augustine West	AUW	Alaska,U.S.A.	59.3701N	153.4710W	276	From 1986-07-01
Auke Bay	ABF	Alaska,U.S.A.	58.3813N	134.6430W	3	From 1980-10-27
Auki	AUK	Solomon Islands,Papua New Guinea	8.7617S	160.7030E	91	
Aumenau	GWBC	Hessen,Germany	50.3938N	8.2696E	180	From 2001-12-04
Äli-Bayramli	ALIB	Azerbaijan	39.9580N	49.0060E	73	From 2003-08-01
Äppelbo	APO	Sweden	60.5390N	13.9280E	340	From 1969-01-01
Aurakhmat	AUR	Uzbekistan	41.5833N	70.1167E		
Auriere	AURF	Provence-Cote d'Azur,France	43.8873N	7.3275E	1040	
Aurillac	ACDF	Auvergne	44.9300N	2.4400E	640	From 2007-05-03
Aurora	AR-	Wisconsin,U.S.A.	45.6967N	88.1422W	381	From 1962-06-06 to 1962-10-05
Aurora	AR-WS	Wisconsin,U.S.A.	45.6967N	88.1422W	381	From 1962-06-06 to 1962-10-05
Au Sable	ASNY	New York,U.S.A.	44.5340N	73.6740W	0	
Ausora	ASOR	Uttar Pradesh,India	28.7558N	77.7722E	0	
Aussois	OG24	Rhone-Alpes,France	45.2217N	6.7357E	1495	From 1993-12-17
Austin	AT-	Nevada,U.S.A.	39.4814N	117.0739W	1981	From 1962-01-15 to 1963-07-01
Austin	AT-NV	Nevada,U.S.A.	39.4814N	117.0739W	1981	From 1962-01-15 to 1963-07-01
Austin	ATX	Texas,U.S.A.	30.3144N	97.8667W	280	
Austin	AUS	Texas,U.S.A.	30.2833N	97.7833W		
Austin	P09A	Nevada,U.S.A.	39.5516N	117.1395W	1737	From 2006-04-14 to 2008-03-08
Avacha	AVH	Kamchatskaya Oblast',Russia	53.2650N	158.7380E	900	
Avellanes	AVN	Spain	41.8837N	0.7518E	630	
Averroes	AVE	Morocco	33.2981N	7.4133W	230	From 1937-06-01
Avery Point	APT	Connecticut,U.S.A.	41.3160N	72.0639W	3	From 1972-01-07 to 1977-06-01
Avezzano	AZI	Italy	41.9884N	13.4357E		From 1987-01-01 to 1994-12-31
Avola	HAVL	Sicily,Italy	36.9600N	15.1250E	455	From 1994-05-01
Avon	AVO	New South Wales,Australia	34.3764S	150.6150E	532	From 1958-01-01
Avondale Springs	ASTN	Tennessee,U.S.A.	36.3270N	83.4760W	730	
Avonos	AVNT	Turkey	38.7794N	34.8553E	1584	From 1998-01-01
AVREN	AVR	Bulgaria	43.1196N	27.6691E	304	From 2006-10-01
Avril sur Loire	AVF	Bourgogne,France	46.7906N	3.3526E	225	From 1977-10-19
Avril sur Loire	AVFP	Bourgogne,France	46.7919N	3.3569E	200	
AVT- Casa Castalda	ATCC	Italy	43.1851N	12.6399E	556	From 2009-12-16
AVT- Montelovesco	ATLO	Italy	43.3152N	12.4073E	583	From 2009-11-11
AVT- Monte Tezio	ATTE	Italy	43.1979N	12.3536E	928	From 2009-12-24
AVT- Monte Valcinella	ATVA	Italy	43.2786N	12.2853E	604	From 2009-11-11
AVT- Monte Valentino	ATVO	Italy	43.3821N	12.4066E	637	From 2009-10-27
Awaji shima	JAJ	Hyogo,Japan	34.3357N	134.9078E	109	
Awa shima	JAW	Niigata,Japan	38.4562N	139.2487E	70	
Awhitu Peninsula	AWAZ	North Island	37.0638S	174.6429E	-268	From 2010-12-14
Awoonga Dam	AWOON	Queensland,Australia	24.0773S	151.3147E	553	
Awoonga Dam 3	AWDQ	Queensland,Australia	24.0478S	151.3157E	110	From 1987-07-01
Ayacucho	PP07	Peru	13.0833S	74.2500W	2800	
Ayacucho	AYAC	Peru	13.1510S	74.2060W	2761	
Ayagualo	AYA	El Salvador	13.6294N	89.2894W		
Aya Nagar	AYAN	Delhi,India	28.4822N	77.1267E		From 2001-03-13
Ayaqueme	AYVM	Mexico D.F.,Mexico	19.1678N	98.9542W	2924	
Aybut	ABTO	Oman	17.3538N	53.2966E	650	From 2001-07-01
Aydincik	AYK	Turkey	36.1522N	33.3269E	50	From 1988-01-01
Ayd¯–ntepe-Bayburt	BAYT	Turkey	40.3935N	40.1410E	1675	From 2008-09-12
Ayenquera	AYE	Peru	17.0133S	71.6719W	240	
Aykdinkavak	AYKD	Turkey	37.4144N	36.8067E	580	From 2009-02-07
'Aynunah	AYUS	Saudi Arabia	28.1889N	35.2689E		
Ayseler	AYS	Turkey	36.8955N	31.5736E	565	From 1977-02-01
Ayvalik	AYVA	Turkey	39.3083N	26.6903E	82	From 2003-10-24
Azai	AZJ	Shiga,Japan	35.4772N	136.3239E	370	
Azarshahr	IAZR	Iran	37.6783N	45.9800E	2300	From 1995-08-01
Aznalcollar, Sevilla	E017	Spain	37.5720N	6.2290W	259	From 2007-11-15 to 2009-06-19
Azuc	AZUC	Colombia	3.6940N	76.1360W	3680	
Azucar	AZ1C	Colombia	3.7310N	76.1118W	3980	
Azuela	AZU1	Ecuador	0.0825S	77.5905W	1766	From 2003-04-22
Azuero	AZU	Panama	7.7917N	80.2740W	14	
Ba@14rda@14	BRDA	Azerbaijan	40.2630N	47.1790E	103	From 2003-08-01
Babate	BBTS	Senegal	14.6613N	16.5332W	0	
Babati	BBAT	Tanzania	4.1229S	35.4566E	1337	
Babushkin	BTMB	Buryatiya,Russia	51.7000N	105.8320E	550	From 1999-03-01
Bacau	BAC	Romania	46.5669N	26.9124E	169	From 1942-12-25
Bac Can	BCVB	Vietnam	21.8848N	105.7725E	51	From 2008-01-01
Baccana	BACM	Italy	44.2783N	10.0722E	450	From 1998-11-01
Baccarat	BACF	Lorraine,France	48.4440N	6.7390E	316	
Bac-Giang	BGV	Vietnam	21.2941N	106.2290E	15	From 1967-04-01
Bachelor Mtn.	BACC	California,U.S.A.	33.6122N	117.0406W	551	
Backbrunna	BACU	Sweden	59.8540N	17.1078E	100	From 2001-12-12
Backryungdo	KSBAR	South Korea	37.9770N	124.7142E	0	From 2008-02-14
Bacolet	BOT	Trinidad and Tobago	11.1667N	60.7179W	30	
Bacon Ridge	BCRT	Tennessee,U.S.A.	35.7660N	84.5760W	409	
Baconsthorpe	ABA1	England,United Kingdom	52.8884N	1.1453E	74	From 1982-01-01
Badajoz	EXBA	Spain	38.8790N	6.9700W	185	
Badajoz	EBAD	Spain	38.7556N	7.0133W	221	
Badegauja	BADN	Nepal	28.7330N	81.1670E	1556	
Bademkaya	DBAD	Turkey	41.0183N	41.6947E	1139	From 2007-09-26
Badger Mountain	BDG	Washington,U.S.A.	46.2347N	119.3170W	475	From 1969-03-01
Badiali	BADI	Italy	43.5097N	12.2443E	430	From 2004-07-30
Badra	IBDR	Iraq	33.1100N	45.9300E	90	From 2009-01-01
Badran	BDRN	Syria	33.3408N	36.3095E	965	From 1994-12-01
Bad Reichenhall	BHG	Bayern,Germany	47.7214N	12.8789E	475	From 1972-03-01
Bad Segeberg	BSEG	Schleswig-Holstein,Germany	53.9353N	10.3169E	40	
Bad Urach	BUCH	Baden-Wurttemberg,Germany	48.4496N	9.3529E	785	From 2002-01-01
Baengnyeongdo	KSBRD	South Korea	37.9677N	124.6303E	169	From 2001-11-06
Baffin Island 1	B1NU	Nunavut,Canada	68.4619N	71.5880W	181	
Baffin Island 2	B2NU	Nunavut,Canada	68.9216N	73.1966W	157	
Bafgh	IBAF	Iran	31.5902N	55.5673E	1485	From 1998-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Baggett Ranch, Ozona	430A	Texas,U.S.A.	30.7866N	101.2362W	768	From 2009-02-14
Baghdad	BHD	Iraq	33.2700N	44.3800E	32	From 1979-01-01
Bagley Icefield	BAGL	Alaska,U.S.A.	60.4901N	142.0895W	55	
Bagneres-Bigorre	BDB	Midi-Pyrenees,France	43.0650N	0.1483E	561	From 1960-01-01 to 1970-12-31
Bagni Di Lucca	BDI	Italy	44.0625N	10.5969E	830	From 1983-10-01
Bagolino	BAG8	Italy	45.8228N	10.4664E	807	From 2006-06-15
Bagra	BGP	Pakistan	33.9742N	73.0682E	777	
Baguashan	BGSB	Taiwan region	24.0570N	120.6106E	0	
Baguio	BAF*	Luzon,Philippines	16.4167N	120.6000E	1500	From 1972-01-01
Baguio City	BAG	Luzon,Philippines	16.4108N	120.5800E	1507	From 1909-01-01
Baguio City	BCP	Luzon,Philippines	16.4180N	120.6100E	1500	
Baguio City Dairy Farm	BCPH	Luzon,Philippines	16.3810N	120.5810E	1500	
Baguio Weather Station	BWP	Luzon,Philippines	16.4047N	120.6022E		
Bahadurgarh	BHGR	Haryana,India	28.6877N	76.9388E	0	
Bahawalnagar	BNGR	Punjab	29.9500N	73.2500E	157	From 2006-05-20
Bahia de Los Angeles	LAX	Baja California,Mexico	28.9467N	113.5670W	50	From 1971-12-31
Bahia Malaga	MALC	Colombia	4.0136N	77.3353W	50	
Bahia Solano	SOLC	Colombia	6.3700N	77.4576W	51	From 1994-01-01
Bahrah	BARA	Saudi Arabia	21.4400N	39.4710E	250	From 1995-04-01
Bahrah	BHRA	Saudi Arabia	21.4440N	39.9680E		From 1995-01-01 to 1999-08-25
Bahraich	BRCI	Uttar Pradesh,India	27.5667N	81.5833E	123	
Baia Mare	BMR	Romania	47.6736N	23.4960E	294	From 1979-01-01
Baidarnaya	BDR	Kamchatskaya Oblast',Russia	56.5680N	161.2080E	936	From 2005-10-08
Baie Comeau	CNQ	Quebec,Canada	49.3022N	68.0744W	200	From 1991-01-07
Baie du Lac Sali	BLSD	Djibouti	11.5908N	42.5178E	100	From 1987-01-01
Baie-St-Paul	BLBQ	Quebec	47.4275N	70.5156W	35	From 2009-11-05
Baie-St-Paul	BSPQ	Quebec,Canada	47.4400N	70.5100W	0	From 1979-05-24
Baijiatuau	BJT	Beijing,China	40.0183N	116.1680E	197	From 1995-01-01
Bailadores	BLV	Venezuela	8.1908N	71.8256W	1110	From 1969-08-01 to 1970-09-29
Bailey Peak	BAP	Utah,U.S.A.	38.5264N	112.7950W	2387	
Bailey Ranch, Gibbon	N31A	Nebraska,U.S.A.	40.8235N	98.9544W	687	From 2009-09-11
Bainbridge School	BABE	Washington,U.S.A.	47.6058N	122.5353W	83	
Baing, Sumba	BASI	Sumba,Indonesia	10.2189S	120.5777E	80	From 2008-12-01
Bains de Bromines	BROM	Rhone-Alpes,France	45.9450N	6.0668E	535	From 1997-02-19
Baives	BAIF	Nord-Pas-de-Calais,France	50.0592N	4.2078E	215	From 1996-04-03
Bajamar	EBAJ	Spain	28.5399N	16.3434W	239	
Bajram Curri	BCI	Albania	42.3666N	20.0675E	500	
Bakacak	BKT	Turkey	40.1420N	29.1360E	1734	From 1978-09-01 to 1980-12-31
Bakel	BKL	Senegal	14.9024N	12.4648W	30	From 1976-11-01
Baker	E24A	Montana,U.S.A.	46.5608N	104.3073W	912	From 2008-11-12
Baker	BKRC	California,U.S.A.	35.2693N	116.0703W	275	
Baker Lake	BLC	Northwest Territories,Canada	64.3167N	96.0167W	16	From 1965-07-26
Baker Lake, Hudson Bay	YBKN	Nunavut,Canada	64.3185N	96.0026W	25	From 2006-08-27
Bakersfield	BF-	California,U.S.A.	35.6481N	118.8575W	567	
Bakersfield	BF-CL	California,U.S.A.	35.6481N	118.8575W	567	
Baki	BAK	Azerbaijan	40.3720N	49.8180E	83	From 1903-01-01
Bakonya	RHK1	Hungary	46.0948N	18.0720E	297	
Bakuriani	BKR	Georgia	41.7337N	43.5032E	1798	From 1955-01-01
Bala	BALAT	Turkey	39.5562N	33.1198E	1288	From 2007-12-21
Bala	BBAL	Turkey	39.5427N	33.1230E	1312	From 2008-03-05
Balakot	BLKT	Pakistan	34.5300N	73.3300E	991	From 2007-10-10
Balboa Heights	BHP	Panama	8.9608N	79.5581W	36	From 1914-01-01 to 1977-03-31
Balcom Canyon	BALC	California,U.S.A.	34.3076N	118.9671W	258	
Balcova	BLCB	Turkey	38.3853N	27.0420E	150	From 2004-10-05
Bald Eagle	BED	District of Columbia,U.S.A.	38.8200N	77.0089W		
Bald Hill	BLH	Washington,U.S.A.	47.8368N	122.0320W	198	
Bald Knob	BK-AR	Arkansas,U.S.A.	35.3567N	91.6450W	122	From 1962-07-06 to 1963-04-10
Bald Knob	BK-	Arkansas,U.S.A.	35.3567N	91.6450W	122	From 1962-07-06 to 1963-04-10
Bald Mountain Lookout	CBLG	California,U.S.A.	37.7715N	118.8980W	2560	From 1984-01-01
Bald Peter	BPO	Oregon,U.S.A.	44.6519N	121.6890W	1957	From 1987-09-01
Bald Peter	VBPM	Oregon,U.S.A.	44.6610N	121.6890W	1876	
Baldwin	BA-WS	Wisconsin,U.S.A.	44.8994N	92.2722W	335	From 1962-10-11 to 1962-10-27
Baldwin	BA-	Wisconsin,U.S.A.	44.8994N	92.2722W	335	From 1962-10-11 to 1962-10-27
Baldy	BALM	Alaska,U.S.A.	61.0362N	142.3450W	1300	From 1973-08-24
Baldy Mountain	GBMM	California,U.S.A.	39.1418N	122.4940W	975	
Baldy Mountain	BALA	Alaska,U.S.A.	55.1937N	162.7857W	329	From 1996-07-01
Baleine	SVL	St Vincent,Saint Vincent and the Grenadines	13.3680N	61.2040W	91	
Baler	BALP	Luzon,Philippines	15.7410N	121.5760E	50	
Balikesir	BALB	Turkey	39.6400N	27.8800E	120	
Balikpapan	BKB	Kalimantan,Indonesia	1.2605S	116.8963E	0	
Balikpapan	BKB2	Kalimantan,Indonesia	1.2605S	116.8960E		
Baljurashi	BLJS	Saudi Arabia	19.9571N	41.6051E	2239	
Baljuvan	BLD	Tajikistan	38.3000N	69.6600E		
Ballabur	BAU	Azerbaijan	38.7100N	48.7800E	70	From 1984-01-01
Ballarat	BRAT	Victoria,Australia	37.5500S	143.9310E	9	
Ballidu	BLDU	Western Australia,Australia	30.6147S	116.7091E	280	From 1999-11-08
Ballidu	BAL	Western Australia,Australia	30.6065S	116.7072E	300	From 1982-08-27 to 1997-12-31
Ballon Servance	BSF	Franche Comte,France	47.8319N	6.7922E	1200	
Balmorhea	BM-TX	Texas,U.S.A.	30.9264N	103.8550W	1067	From 1962-01-20 to 1962-02-15
Balmorhea	BM-	Texas,U.S.A.	30.9264N	103.8550W	1067	From 1962-01-20 to 1962-02-15
Balmorhea Ranch, Pecos	327A	Texas,U.S.A.	31.3691N	103.4923W	784	From 2008-03-20 to 2010-02-13
Balsthal	BALST	Switzerland	47.3358N	7.6950E	908	From 2000-06-16
Baltah	BLIT	Tunisia	36.7130N	8.9528E	225	
Baltimore	BLVT	Vermont,U.S.A.	43.3488N	72.5853W	300	
Balya	BALY	Turkey	39.7403N	27.6195E	645	From 2007-05-24
Bamboo Saint Ann	BBJ	Jamaica	18.3830N	77.2670W	641	From 1977-02-14
Bambui	BNC	Cameroon	6.0160N	10.2800E	1890	From 1987-02-17
Bamfield	B928	British Columbia,Canada	48.8337N	125.1345W	-227	
Bamfield Marine Station	BMSB	British Columbia,Canada	48.8356N	125.1355W	10	From 2003-03-07
Banah	BANOM	Oman	25.9233N	56.2996E	504	From 2004-12-01
Banawang	BNP	Luzon,Philippines	14.6188N	120.4140E	71	
Banca Lucia	BANL	Costa Rica	10.5197N	84.8320W	821	From 2000-01-01
Bancas Point	BCPM	Alaska,U.S.A.	59.9533N	139.6350W	396	From 1979-07-07
Bancroft	BANO	Ontario,Canada	45.0198N	77.9280W	360	
Banda Aceh	BSI	Sumatera,Indonesia	5.4964N	95.2961E	192	
Bandanaira	BNDI	Moluccas,Indonesia	4.5224S	129.9045E	16	From 2008-07-04
Bandar-abas	IBND	Iran	27.4489N	56.5399E	62	From 2006-07-01
Bandar-Abbas	BNDS	Iran	27.3993N	56.1713E	1500	From 2004-05-13
Bandar Lampung	BLSI	Sumatera,Indonesia	5.3676S	105.2452E	147	From 2005-01-01
Bandirma	BNT	Turkey	40.3561N	27.9200E	354	From 1984-01-01
Bandung	BND	Jawa,Indonesia	6.9000S	107.6500E	726	
Banff	BAN	Alberta,Canada	51.1717N	115.5580W	1500	From 1956-08-01 to 1966-09-22
Bangkinang	BKNI	Sumatera,Indonesia	0.3262N	101.0396E	65	From 2008-04-26
BangkokBB_BH_low_level	TMDB	Thailand	13.6684N	100.6068E	-47	
Bangor	BG-ME	Maine,U.S.A.	44.6344N	69.2214W	183	From 1961-11-04 to 1962-07-01
Bangor	BG-	Maine,U.S.A.	44.6344N	69.2214W	183	From 1961-11-04 to 1962-07-01
Bangor (NY)	BGR	New York,U.S.A.	44.8288N	74.3742W	297	From 1976-11-01
Bangui	BCAO	Central African Republic	4.4333N	18.5353E	336	From 1979-05-31 to 1999-08-25
Bangui	BNG	Central African Republic	4.4350N	18.5467E	378	
Bangula	BANG1	Malawi	16.5842S	35.1165E	96	From 2011-04-26
BANI	BANI	Dominican Republic	18.3923N	70.3582W	1038	From 1996-06-01
Bani@18 Suwayf	HBNS	Egypt	28.9517N	31.2126E	201	
Bani Suef	NBNS	Egypt	28.6226N	31.2945E	295	From 2010-03-20
Banja Luka	BLY	Bosnia and Herzegovina	44.7488N	17.1839E	256	From 1975-05-01
Banjamegara	BJII	Jawa,Indonesia	7.3329S	109.7096E	629	From 2000-01-01
Banjar Baru	BBKI	Kalimantan,Indonesia	3.4625S	114.8411E	110	From 2005-01-01
Banloc	BANR	Romania	45.3825N	21.1355E	80	
Bannalp	BNALP	Switzerland	46.8705N	8.4250E	1540	From 1998-09-30
Bannockburn	BANM	Victoria,Australia	38.0515S	144.2498E	200	
Banos Encina	EBAN	Spain	38.1643N	3.7857W	460	From 1986-11-01
Banyuglugur	BLJI	Jawa,Indonesia	7.7450S	113.5950E	0	From 2007-12-01
Banyuwangi	BYJI	Jawa,Indonesia	8.2140S	114.3557E	0	From 2007-12-01
Baotou	PAO	Nei Monggol Zizhiqu,China	40.6056N	110.0208E	1114	
Baotou	BTO	Nei Monggol Zizhiqu,China	40.6056N	110.0208E	1114	
Baptist College of Charleston	BCS	South Carolina,U.S.A.	32.9797N	80.0653W	9	From 1976-03-31
Baranello	BAI2	Italy	41.5092N	14.5531E	745	
Barangay Tapao	SIPH	Philippines	17.8917N	120.4580E	33	From 2005-10-19
Barbacena	BARB	Minas Gerais,Brazil	21.2210S	43.8005W	1030	
Barbados	BDS	Barbados	13.1460N	59.6260W	110	From 1969-07-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Barbados	BRB	Barbados	13.1220N	59.6060W	55	From 1955-06-30 to 1969-07-25
Barbar	BRBR	Syria	33.4113N	35.9508E	1834	From 1994-12-01
Barbarano Romano - VT	TO08	Italy	42.2244N	12.0526E	463	From 2008-05-29 to 2009-04-02
Barber's Block	BBL	Dominica	15.5262N	61.4700W	365	From 1978-11-21
Barbuda	BWI	Barbuda,Antigua and Barbuda	17.6650N	61.7900W	30	From 1977-01-01
Barcelona	BARV	Venezuela	9.9839N	70.7456W	615	
Bardonecchia	BNI	Italy	45.0522N	6.6786E	1410	
Bare Mountain	BRO	Nevada,U.S.A.	36.7628N	116.6250W	920	From 1978-11-28
Bare Point	BPCB	British Columbia,Canada	48.9236N	123.7045W	31	From 2008-03-19
Bar Giyyora	BGIO	Israel	31.7221N	35.0878E	760	From 1986-08-11
Barguzin	BGZ	Buryatiya,Russia	53.6167N	109.6167E		
Barham	BHM	England,United Kingdom	51.2128N	1.1742E	100	
Bari	BAI*	Italy	41.1200N	16.8667E	0	
Bari	BAI	Italy	41.1070N	16.8790E	15	
Bariadhala	BRDH	Bangladesh	22.6800N	91.6506E	0	
Bari-Castellana	BRT	Italy	40.8778N	17.2036E	333	From 1978-01-01
Barichara	BARC	Colombia	6.6434N	73.1764W	1859	
Barinas	BRIV	Venezuela	8.6170N	70.4510W	0	
Baring Head	BHW	North Island,New Zealand	41.4092S	174.8710E	10	From 1975-11-27
Barisakho	BROG	Georgia	42.4500N	44.9300E	1250	
Barisano	BRSN	Italy	44.2841N	12.0769E	20	
Barisciano	RM14	Italy	42.3454N	13.5722E	1105	From 2009-04-07 to 2009-08-31
Barje	BARS	Serbia	42.8165N	21.8153E	392	From 1996-03-07
Barkley Canyon	NCBC	British Columbia,Canada	48.4275N	126.1752W	-398	From 2009-09-01
Barkley Ridge	BARK	Alaska,U.S.A.	60.4035N	142.4911W	1141	
Barley Canyon	BRC	New Mexico,U.S.A.	35.8903N	106.7110W	2261	From 1976-06-01 to 1999-08-25
Barnard Glacier	BARN	Alaska,U.S.A.	61.0599N	141.6601W	1915	
Barnard House	BHS	St Vincent,Saint Vincent and the Grenadines	13.2963N	61.1272W	90	
Barnechea	BACH	Santiago,Chile	33.3528S	70.4917W	820	
Barney Top	BTU	Utah,U.S.A.	37.7557N	111.8743W	3235	
Baronissi	BSS	Italy	40.7906N	14.8061E	205	
Barrage Abdel Moumen	BAM	Morocco	30.6661N	9.1661W		
Barrage El Makhazine	BMK	Morocco	34.9410N	5.8430W	166	From 1979-06-01 to 2001-10-26
Barrage Ibn Batouta	BBT	Morocco	35.6480N	5.7290W	60	From 1981-01-01
Barrage Mansour Eddahbi	BME	Morocco	30.9156N	6.7603W	1078	From 1975-03-01
Barrage Mohamed Ben Abdellah	BMB	Morocco	33.9422N	6.7511W	40	From 1978-01-01
Barrage Mohammed V	BMKM	Morocco	34.6590N	2.9340W	274	
Barra Mansa	BMA	Rio de Janeiro,Brazil	22.6950S	44.1536W	595	
Barranco	PFBV	Portugal	37.2715N	7.9808W	573	From 1996-01-01 to 2009-05-30
Barranco-do-Velho	PBDV	Portugal	37.2430N	7.9312W	468	From 2007-01-08
Barrancos	PBAR	Portugal	38.1750N	7.0390W	205	From 2007-01-01
Barreal	RTBS	San Juan,Argentina	31.6614S	69.4531W		
Barren Site	BNM	New Mexico,U.S.A.	34.1502N	106.6280W	2121	
Barre Substation	BREC	California,U.S.A.	33.8077N	117.9812W	24	
Barrett	BAR	California,U.S.A.	32.6801N	116.6721W	496	From 1952-01-17
Barrette	BAH	Hawaii,U.S.A.	21.3397N	158.0770W		From 1970-01-01 to 1999-08-25
Barrier Glacier	BGL	Alaska,U.S.A.	61.2635N	152.3910W	1173	From 1989-01-01
Barrier Glacier Two	BGRM	Alaska,U.S.A.	60.7575N	152.4180W	985	From 1991-07-01
Barrio Florida	PWP	Puerto Rico	18.1350N	65.4450W	10	From 1975-03-01 to 1978-03-13
Barrow	BRV	Alaska,U.S.A.	71.2742N	156.7850W	15	
Barrow	BRW	Alaska,U.S.A.	71.3033N	156.7480W		From 1965-01-01
Barry Inlet	BNB	British Columbia,Canada	52.5758N	131.7520W	765	From 1985-09-01
Barry Ridge	KBRM	California,U.S.A.	40.7298N	123.9560W	853	
Barter Island	BI1	Alaska,U.S.A.	70.1318N	143.6420W	10	From 1975-09-01 to 1999-08-25
Barter Island	BI2	Alaska,U.S.A.	69.6233N	145.8950W	1100	From 1975-09-01 to 1999-08-25
Barter Island	BI3	Alaska,U.S.A.	69.5967N	144.3710W	690	From 1975-09-01 to 1978-08-14
Barter Island	BI4	Alaska,U.S.A.	69.5202N	142.9800W	745	From 1975-09-01 to 1999-08-25
Bart¨–n	BTIN	Turkey	41.6362N	32.2504E	233	From 2011-02-02
Barton Gulch	BGMT	Montana,U.S.A.	45.2333N	112.0400W	2172	
Baru	BRU	Panama	8.8068N	82.5608W	3425	
Bar X Bar Ranch, Keystone	M28A	Nebraska,U.S.A.	41.3956N	101.3715W	1071	From 2009-05-14
Basata	HBST	Egypt	29.2166N	34.7327E	234	
Basco	BAP*	Batan Islands,Philippines	20.4622N	121.9695E	10	
Basco	BBP	Batan Islands,Philippines	20.4411N	121.9640E	40	
Base Esperanza	ESPZ	Antarctic Peninsula	63.3981S	56.9964W	31	
Basel-Blauen	BBS	Switzerland	47.4644N	7.5092E	700	From 1974-06-01
Basel-Friedhofgasse	SBAF	Switzerland	47.5838N	7.5920E	248	From 1998-02-13
Basel-PUK	SBAP	Switzerland	47.5724N	7.5644E	263	From 1998-05-11
Basel-Tropenhaus	SBAT	Switzerland	47.5586N	7.5817E	260	From 1992-05-05
Basin Creek	BCM	Montana,U.S.A.	45.8355N	112.5150W	1975	From 1980-11-12 to 1981-10-10
Baskale_VAN	BASK	Turkey	38.0523N	44.0040E	1931	From 2011-06-27
Basking Ridge	BRNJ	New Jersey,U.S.A.	40.6828N	74.5660W	50	
Basle	BAS	Switzerland	47.5400N	7.5817E	309	From 1934-01-01 to 1978-12-31
Basra	BSR	Iraq	30.6000N	47.8000E		
Basset	K30A	Nebraska,U.S.A.	42.6742N	99.6131W	712	From 2009-09-19
Basse Terre	BTG	Guadeloupe	15.9902N	61.7192W	42	From 1976-01-01
Bassetti Ranch	PBRM	California,U.S.A.	35.5485N	121.0090W	85	
Bass Mountain	LBMM	California,U.S.A.	40.7328N	122.3658W	841	
Bassoo Peak	BSMT	Montana,U.S.A.	47.8513N	114.7870W	1950	
Bastrop	536A	Texas,U.S.A.	30.0756N	97.0652W	115	From 2010-01-14
Bata	RHK2	Hungary	46.1270N	18.7799E	147	
Batagay	BTGS	Sakha,Russia	67.6510N	134.6400E	110	
Batakoyurt	BTKR	Severo-Osetinskaya,Russia	43.3722N	44.5422E	597	From 2005-12-01
Bataraza	BATP	Palawan,Philippines	8.7970N	117.8010E	54	
Bat Cave Butte	BATC	California,U.S.A.	33.4590N	115.8410W	-18	
Batelco	BTP	Luzon,Philippines	14.6909N	120.5150E	32	
Bates	BT-OR	Oregon,U.S.A.	44.6244N	118.7711W	1372	
Bates	BT-	Oregon,U.S.A.	44.6244N	118.7711W	1372	
Bates Ranch, Gandy	P13A	Utah,U.S.A.	39.4550N	114.0156W	1555	From 2007-03-01 to 2008-09-05
Bath	BATH	England,United Kingdom	51.4430N	2.3290W	127	From 2009-07-14
Bath County 1	BV1	Virginia,U.S.A.	38.1781N	79.6611W	768	From 1978-08-01
Bath County 2	BV2	Virginia,U.S.A.	38.1367N	79.9194W	610	From 1978-08-01
Bath County 3	BV3	Virginia,U.S.A.	38.2383N	79.7667W	750	From 1978-08-01
Bath County 4	BV4	Virginia,U.S.A.	38.3572N	79.8278W	814	From 1978-08-01
Bath Hotel, Nevis	NVBH	Nevis,Saint Kitts and Nevis	17.1169N	62.6168W	15	From 2002-05-02
Bathurst New Brunswick	BATG	New Brunswick,Canada	47.2767N	66.0599W	336	From 2005-10-22
Batken	BTK	Kyrgyzstan	40.0580N	70.8180E	1020	
Batman	BTMN	Turkey	37.8911N	41.2701E	959	From 2003-10-02
Batman	BTMT	Turkey	38.1923N	41.4888E	854	
Batoke	BTE	Cameroon	4.0481N	9.0869E	90	From 1985-03-01
Batrach	BTCH	Syria	36.0375N	36.4592E	803	From 1995-04-01
Bat Shelomo	BTI	Israel	32.6140N	35.0160E	300	
Battle Mountain	BMN	Nevada,U.S.A.	40.4315N	117.2218W	1594	From 1969-09-02
Baubata	PGBAU	New Britain,Papua New Guinea	5.3674S	151.0334E	251	
Bau Bau	BBSI	Buton	5.4875S	122.5704E	104	From 2005-01-01
Bau Bau, Buton	BSSI	Buton	6.1428S	120.4904E	114	From 2008-12-01
Baumata	BATI	Asia,Indonesia	10.2065S	123.6633E	356	
Baumata	BWTI	Timor,Indonesia	10.2000S	123.7000E		
Bautismo	BAUT	Venezuela	10.5065N	66.4820W	1976	From 1984-01-01 to 1999-08-25
Ba Vi	BVV	Vietnam	21.1022N	105.3687E	182	
Bavra	BAW	Armenia	41.1200N	43.8000E	2160	From 1977-01-01
Bawean	BWJI	Bawean	5.8511S	112.6578E	58	From 2005-01-01
Baw Faw Mountain	BFW	Washington,U.S.A.	46.4867N	123.2150W	902	From 1972-10-25
Bayana	BAYN	Nepal	29.4700N	81.2000E	3050	From 1995-01-01
Bayan-Aul	BAYK	Kazakhstan	50.8200N	75.5500E	0	
Bayanday	BAY	Irkutskaya Oblast',Russia	53.0667N	105.5170E		
Bayano	BYN	Panama	9.1910N	78.8750W	120	
Bayan-Olgiy	BYO	Mongolia	48.9600N	89.9600E	2075	
Bay Bridge East	BBEB	California,U.S.A.	37.8216N	122.3298W	-30	
Bay Bridge East Pier 17	E17B	California,U.S.A.	37.8209N	122.3353W	-164	
Bay Bridge East Pier 7	E07B	California,U.S.A.	37.8185N	122.3469W	-142	
Bay Bridge West Pier 2	W02B	California,U.S.A.	37.7911N	122.3863W	-45	
Bay Bridge West Pier 5	W05B	California,U.S.A.	37.8011N	122.3758W	0	
Bayer	BYRJ	Jordan	30.6400N	36.5000E	1030	
Baylor University	BUTX	Texas,U.S.A.	31.6917N	97.3483W	183	From 1992-11-01
Bayram-Ali	BAT	Turkmenistan	37.6000N	62.1167E		
Baytree	DCA2	Alberta,Canada	55.7916N	119.8877W	819	
Baza	EXBZ	Spain	37.4900N	2.7750W	881	
BB Station	BBSR	Bermuda	32.3712N	64.6962W	-25	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Beach Ranch, Enterprise	F10A	Oregon,U.S.A.	45.9734N	117.2277W	1136	From 2006-08-23 to 2009-01-08
Beaesweiler	BA12	Nordrhein-Westfalen,Germany	50.9091N	6.1863E	116	From 2006-10-01
Bean Ranch, Sierra Blanca	325A	Texas,U.S.A.	31.3711N	104.9712W	1666	From 2008-02-25 to 2010-01-16
Bear Butte	KBBM	California,U.S.A.	40.1970N	123.8500W	576	
Bear Canyon	BCU	Utah,U.S.A.	39.5983N	110.3710W	2438	From 1962-01-01 to 1977-03-31
Bear Canyon	BCYI	Idaho,U.S.A.	44.3108N	113.4050W	2194	From 1992-01-01
Bear Creek Country Club, Murrieta	BCCC	California,U.S.A.	33.5751N	117.2612W	391	From 2000-07-11 to 2005-08-08
Bear Creek Road	JBCM	California,U.S.A.	37.1603N	122.0260W	660	From 1969-05-21
Bear Creek Road	LT15	California,U.S.A.	37.1603N	122.0260W	660	From 1969-05-21
Beardsley Farm, Havre	B18A	Montana,U.S.A.	48.3943N	109.7775W	950	From 2007-11-14 to 2009-09-04
Bear Gulch	BGH	California,U.S.A.	37.3420N	122.3390W	158	From 1971-11-02
Bear Gulch	JBGM	California,U.S.A.	37.3420N	122.3390W	158	From 1971-11-02
Bear Mountain	BMTC	California,U.S.A.	35.1358N	118.5970W	1237	From 1976-08-01 to 2008-02-22
Bear Mountains	BMNM	New Mexico,U.S.A.	34.2750N	107.2600W	1972	
Bear Paw Mtn.	BPAW	Alaska,U.S.A.	64.1002N	150.9848W	619	
Bear River Range	BEI	Idaho,U.S.A.	42.1167N	111.7820W	1859	From 1974-10-01
Bear Valley	BVLM	California,U.S.A.	36.5752N	121.1890W	510	From 1970-09-03
Bear Valley	BVL	California,U.S.A.	36.5752N	121.1890W	510	From 1970-09-03
Bear Valley Observatory	BVC	California,U.S.A.	38.0397N	122.7930W	30	
Beas, Huelva	E009	Spain	37.4192N	6.7651W	148	From 2007-09-26 to 2009-06-23
Beatrice	BENE	Nebraska,U.S.A.	40.2167N	96.6025W	396	
Beatty	BEA	Nevada,U.S.A.	36.8833N	116.7670W		From 1972-01-01 to 1973-04-30
Beatty	BTY	Nevada,U.S.A.	36.8833N	116.7670W	1183	From 1971-01-01 to 1973-04-30
Beaufort West	BEW	Cape Province,South Africa	32.3565S	22.5730E	870	From 1993-04-01 to 2001-03-03
Beaumont Base	BBSC	California,U.S.A.	33.9214N	116.9806W	785	
Beaver	BHUT	Utah,U.S.A.	38.2768N	112.6404W	1799	From 2008-06-09
Beaver	BVR	Pennsylvania,U.S.A.	40.7000N	80.3333W		
Beaver Butte	VBEM	Oregon,U.S.A.	45.0603N	121.5870W	1544	
Beaver Creek	BVCY	Yukon Territory,Canada	62.4141N	140.8606W	708	From 2010-08-14
Beaver Creek Array Beam Reference Point	BCAR	Alaska,U.S.A.	63.0656N	141.7851W	846	
Beaver Creek Array Site 1	BC01	Alaska,U.S.A.	63.0619N	141.8279W	746	
Beaver Creek Array Site 2	BC02	Alaska,U.S.A.	63.0440N	141.8021W	563	
Beaver Creek Array Site 3	BCA3	Alaska,U.S.A.	63.0656N	141.7851W	846	From 1993-07-01
Beaver Creek Array Site 4	BC04	Alaska,U.S.A.	63.0809N	141.7684W	790	
Beaver Creek Array Site 5	BC05	Alaska,U.S.A.	63.0610N	141.7534W	908	
Beaver Dam Saddle, Pierce	E12A	Idaho,U.S.A.	46.4151N	115.5705W	1555	From 2007-08-23 to 2009-07-23
Beaver Lake	BVK	Utah,U.S.A.	38.5464N	113.1050W	1707	
Beaver Lake Mountains	BKU	Utah,U.S.A.	38.5352N	113.1270W	1859	From 1980-12-01 to 1988-09-29
Beaver Mountain	BEAW	Wyoming,U.S.A.	43.2509N	110.6130W	2960	From 1990-09-01
Bebedouro	BB19B	Sao Paulo	21.0659S	48.5276W	574	
Bebedouro	BB16B	Sao Paulo,Brazil	21.0333S	48.5855W	527	From 2009-01-01
Becerrea'	EXBE	Spain	42.8530N	7.1590W	675	
Bechler	YPBE	Wyoming,U.S.A.	44.1495N	111.0390W	1966	
Becho	BCHG	Georgia	43.0332N	42.5784E	1345	From 1983-01-01
Beckley	BL-	West Virginia,U.S.A.	37.7989N	81.3100W	610	From 1961-12-13 to 1965-07-23
Beckley	BL-WV	West Virginia,U.S.A.	37.7989N	81.3100W	610	From 1961-12-13 to 1965-07-23
Beckworth	BEKR	California,U.S.A.	39.8667N	120.3586W	1743	From 2000-10-01
Beclabito	T19A	New Mexico,U.S.A.	36.8299N	109.0249W	1736	From 2007-06-22 to 2009-03-03
Becsehely	BEHE	Hungary	46.4702N	16.7755E	298	From 2005-03-26
Bedford	BD-	Pennsylvania,U.S.A.	40.1333N	78.5078W	366	From 1962-12-22 to 1963-03-21
Bedford	BD-PA	Pennsylvania,U.S.A.	40.1333N	78.5078W	366	From 1962-12-22 to 1963-03-21
Bedland, Calhan	Q25A	Colorado,U.S.A.	38.9145N	104.2472W	2001	From 2008-06-08
Beebe Ranch	BBR	California,U.S.A.	38.2608N	122.5500W	137	From 1970-08-14
Beebe Ranch	NBRM	California,U.S.A.	38.2608N	122.5500W	137	From 1970-08-14
Beecher Island, Eckley	O27A	Colorado,U.S.A.	40.1900N	102.4794W	1206	From 2008-12-07
Beegum Peak	LBPM	California,U.S.A.	40.3183N	122.8810W	1051	
Beenleigh	BEEN	Queensland,Australia	27.7276S	153.1980E	130	
Beeville	835A	Texas,U.S.A.	28.2870N	97.8297W	57	From 2009-12-21
Beibei	PEH	Sichuan,China	29.8367N	106.4180E	213	
Beijing	BJI	Beijing,China	40.0403N	116.1750E	43	
Beijing	PEK	Beijing,China	40.0403N	116.1750E	43	
Beijing	BJI2	Beijing,China	40.1017N	116.0820E		From 1977-03-01 to 1977-06-30
Beirut	BEYL	Lebanon	33.8717N	35.4932E	49	From 2006-07-01
Beja	PBEJ	Portugal	38.0264N	7.8664W	270	From 1995-06-01
Bekescsaba	BKE	Hungary	46.6125N	17.8930E	95	From 1987-01-01 to 1984-12-31
Belacker	BAF	Alsace,France	47.8347N	6.9953E	1000	From 1974-10-01
Belbasi	BBTK	Turkey	39.8422N	32.7603E	1200	From 1986-01-01
Belbasi Array Beam Reference Point	BRAR	Turkey	39.8535N	32.7608E	1243	
Belbasi Array Site 1	BR01	Turkey	39.8417N	32.7601E	1286	
Belbasi Array Site 2	BR02	Turkey	39.8488N	32.7654E	1270	
Belbasi Array Site 3	BR03	Turkey	39.8334N	32.7656E	1259	
Belbasi Array Site 31	BR31	Turkey	39.8535N	32.7608E	1243	
Belbasi Array Site 4	BR04	Turkey	39.8409N	32.7413E	1265	
Belbasi Array Site 5	BR05	Turkey	39.8481N	32.7469E	1265	
Belbasi Array Site 6	BR06	Turkey	39.8533N	32.7483E	1210	
Belbasi Site	BR00	Turkey	39.8535N	32.7608E	1243	
Belchertown	QUA2	Massachusetts,U.S.A.	42.2789N	72.3525W	168	
Belem	BEB	Para,Brazil	1.4500S	48.4450W	15	From 1987-01-01
Belen	BLNT	Turkey	36.4880N	36.1880E	555	From 1997-03-01
Belfast (SA)	BFT	Transvaal,South Africa	25.6867S	30.0433E	1868	From 1986-01-01
Belfond	SLB	St Lucia	13.8275N	61.0412W	600	
Belgrade	BGNE	Nebraska,U.S.A.	41.4083N	98.1502W	573	From 2008-10-18
Belgrade	BGY	Serbia	44.8026N	20.5158E	250	From 1990-01-01
Belgrano 2	BELA	Coats Land	77.8750S	34.6269W	262	From 2009-01-16
Belica	BELI	Former Yugoslav Rep. of Macedonia	41.6828N	21.2739E	523	From 2004-01-01
Bella Bella	BBB	British Columbia,Canada	52.1847N	128.1130W	14	From 1986-12-05
Bella Coola	BCBC	British Columbia,Canada	52.3720N	126.7550W	0	From 2007-12-06
Bellamira	BLLM	El Salvador	13.4425N	88.2378W	642	
Bellaria	BLLA	Italy	44.1429N	12.4703E	1	From 2009-01-15
Belle Mtn. Joshua Tree, Twentynine Palms	BELC	California,U.S.A.	34.0006N	115.9982W	1388	From 2001-03-15
Belle Prairie	BPIL	Illinois,U.S.A.	38.2019N	88.5919W	133	
Belleterre	BELQ	Quebec,Canada	47.3980N	78.6874W	355	From 2007-08-22
Belleview	BE-	Florida,U.S.A.	28.9053N	82.0644W	21	From 1965-10-07 to 1967-01-16
Belleview	BE-FL	Florida,U.S.A.	28.9053N	82.0644W	21	From 1965-10-07 to 1967-01-16
Belle View Chopil	DBCT	Dominica	15.2707N	61.3456W	527	From 1989-12-01
Belleville	BV-PA	Pennsylvania,U.S.A.	40.6844N	77.6233W	244	From 1962-11-08 to 1962-12-12
Belleville	BVIL	Illinois,U.S.A.	38.5136N	89.9240W	162	
Belleville	BV-	Pennsylvania,U.S.A.	40.6844N	77.6233W	244	From 1962-11-08 to 1962-12-12
Bellevue	BVM	Martinique	14.7350N	61.0630W	694	From 1972-05-01
Bellevue State Park	BVD	Delaware,U.S.A.	39.7747N	75.4994W	58	From 1985-02-01
Bellfield	BFD	Victoria,Australia	37.1761S	142.5440E	235	From 1972-10-16 to 2006-05-29
Bellingham	BLL	Washington,U.S.A.	48.7389N	122.4850W	96	From 1961-12-01 to 1969-12-31
Bell Mountain	BLM*	Nevada,U.S.A.	39.1536N	118.0917W	1951	From 1972-01-13 to 1975-07-31
Bell Site, White Sands Missle Range	123A	New Mexico,U.S.A.	32.6349N	106.2622W	1206	From 2008-05-14 to 2010-01-19
Bell Springs	KBSM	California,U.S.A.	39.9178N	123.5950W	1134	
Bellville	BLE	Cape Province,South Africa	33.9000S	18.6450E	78	
Belmont	SVB	St Vincent,Saint Vincent and the Grenadines	13.2720N	61.2520W	282	From 1978-06-06
Belogorka	BGK	Kyrgyzstan	42.6250N	74.2360E	1450	
Belogorka 2	BGK2	Kyrgyzstan	42.6451N	74.2274E	1640	
BELONIA	BELO	Tripura	23.2485N	91.4472E	20	From 2011-05-01
Belsk	BEL	Poland	51.8370N	20.7920E	180	From 1965-11-03
Belted Range	BLT	Nevada,U.S.A.	37.4825N	116.1260W	1882	From 1979-05-30 to 2002-10-10
Beluga	BLGA	Alaska,U.S.A.	61.1765N	151.0313W	20	
Belvedere	BELV	Provence-Cote d'Azur	44.0160N	7.3190E	800	From 2004-03-17
Belvue	BEK	Kansas,U.S.A.	39.2632N	96.1997W	349	From 1977-09-15 to 2001-07-15
Belyy Ugol+	BEYR	Russia	44.0120N	42.8170E	660	
Belyy Yar	BYAR	Khanty-Mansi Autonomous Okrug,Russia	61.4167N	73.4000E	91	
Bemidji	BEM	Minnesota,U.S.A.	47.4889N	94.8683W	426	From 1981-07-07
Benavides	934A	Texas,U.S.A.	27.6018N	98.5192W	144	From 2009-12-20
Bench	BEH	Alaska,U.S.A.	66.0150N	149.8120W		From 1985-03-01
Bend	I05A	Oregon,U.S.A.	44.1626N	121.2675W	1011	From 2004-07-21 to 2008-01-30
Bend	BEND	Oregon,U.S.A.	44.0669N	121.3267W	1141	
Bend	CKT	Alaska,U.S.A.	61.2008N	152.2060W	1036	From 1992-09-17
Benevento	BNV	Italy	41.1333N	14.3000E	154	
Bengkulu	BGI	Sumatera,Indonesia	3.6500S	102.5670E		
Beni-Abbes	BAB	Algeria	30.1214N	2.1861W		
Beniarda	EBEN	Spain	38.7038N	0.2250W	764	
Benidorm	EXBN	Spain	38.5450N	0.1310W	45	
Beni Messoud	BMD	Morocco	35.7803N	5.6997W	396	

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Beni Rached	EBNR	Algeria	36.2905N 1.5302E	636	
Ben Lomond (Santa Cruz Mountains)	BNLO	California,U.S.A.	37.1311N 122.1729W	794	From 2005-04-20 to 2007-09-02
Bennet, Jal	227A	New Mexico,U.S.A.	32.0120N 103.2924W	879	From 2008-03-21 to 2010-02-15
Bennett Dam	BDBC	British Columbia,Canada	56.1742N 122.2820W	700	From 1985-10-01
Benn Knob	BENN	North Carolina,U.S.A.	35.5650N 81.6610W	878	From 1982-01-22 to 2008-02-13
Benoni	BNON	South Africa	26.1580S 28.3190E	1683	From 2010-03-01
Bensberg	BNS	Nordrhein-Westfalen,Germany	50.9639N 7.1756E	200	From 1954-04-01
Bensberg	BA09	Nordrhein-Westfalen,Germany	50.9638N 7.1755E	200	From 2006-10-01
Benson Hill Elementary School	RBEN	Washington,U.S.A.	47.4348N 122.1862W		
Benson Ranch	BENWA	Washington,U.S.A.	46.5188N 119.7170W	335	
Benton	BENR	California,U.S.A.	37.7155N 118.5730W	2490	From 1983-07-29
Beograd	BEO	Serbia	44.8093N 20.4714E	129	From 1910-06-01
Beppu	BEP	Oita,Japan	33.2833N 131.4830E	75	
Beppuamama	JBEP	Kumamoto,Japan	33.3363N 131.4072E	434	From 2010-02-01
Beqa	BQA	Fiji	18.3786S 178.1350E	439	From 1979-10-01
Berane	BEY	Montenegro	42.8718N 19.8931E	996	From 1982-12-25
Berane	IVA	Montenegro	42.8718N 19.8931E	996	From 1982-12-25
Berati	BERA	Albania	40.7027N 19.9494E	100	
Berchikul'	BRCR	Kemerovskaya Oblast',Russia	55.6400N 88.3200E	350	
Berchtesgaden	BGLD	Bayern,Germany	47.6524N 13.0125E	930	From 1999-10-22
Berda	BERT	Tunisia	34.2410N 9.0118E	320	
Berdun	YBER	Spain	42.5810N 0.9182W	632	From 2010-05-01
Beregovo	BERU	Ukraine	48.2336N 22.6464E	140	From 2000-07-12
Berezeni	BERR	Romania	46.3589N 28.1501E	66	From 2001-11-08
Bergen	BER	Norway	60.3838N 5.3339E	50	From 1994-06-28
Berg Farm, Melba	J10A	Idaho,U.S.A.	43.4275N 116.7670W	748	From 2006-11-29 to 2008-07-24
Berggiesshubel	BRG	Sachsen,Germany	50.8732N 13.9428E	260	
Bergheim	BEG	Nordrhein-Westfalen,Germany	50.9613N 6.6557E	-95	From 1975-05-01 to 1994-12-01
Bergheim	BGUS	Saskatchewan,Canada	52.1960N 106.3980W	594	From 1999-01-01 to 2002-12-01
Bergheim Laurentius Kirche	BD01	Nordrhein-Westfalen,Germany	50.9593N 6.6355E	78	From 2001-01-01
Berg Lake	BERG	Alaska,U.S.A.	60.3928N 143.7018W	474	
Bergtoll Ranch, Theony	A21A	Montana,U.S.A.	48.9912N 106.9254W	779	From 2008-09-17 to 2010-07-19
Bering	BKI	Kamchatskaya Oblast',Russia	55.2040N 165.9720E	10	
Bering Glacier BLM Camp	BGLC	Alaska,U.S.A.	60.1210N 143.2821W	10	
Berja	EBER	Spain	36.8979N 2.8896W	1690	
Berkeley--Byerly	BKS	California,U.S.A.	37.8762N 122.2356W	243	From 1962-01-01
Berkeley--Haviland	BRK	California,U.S.A.	37.8735N 122.2610W	49	From 1887-01-01
Berlin	BR-PA	Pennsylvania,U.S.A.	39.9242N 78.8447W	665	From 1962-12-30 to 1965-07-23
Berlin	BNH	New Hampshire,U.S.A.	44.5906N 71.2564W	472	From 1963-01-01 to 1999-01-31
Berlin	BRN	Berlin,Germany	52.4188N 13.2031E	45	From 1972-07-01
Berlin--Free University	BRL	Berlin,Germany	52.4715N 13.2904E	-68	From 1970-01-01
Berlin--Lankwitz	BRNL	Berlin,Germany	52.4278N 13.3580E	42	From 1991-04-06
Berlin (NY)	BERL	New York,U.S.A.	42.6913N 73.3913W	549	
Berlin (Penn)	BR-	Pennsylvania,U.S.A.	39.9242N 78.8447W	665	From 1962-12-30 to 1965-07-23
Bermuda--Columbia	BEC	Bermuda	32.3794N 64.6811W	41	From 1939-02-03
BERMUDA INFRASONIC ARRAY REFERENCE POINTGB	BN	Bermuda	32.3615N 64.6987W	-35	From 2008-11-10
Bermuda-Navy	BEN	Bermuda	32.2697N 64.8536W		
Bernadia	BERI	Italy	46.2367N 13.2433E	640	From 1977-05-06
Bernadia	BAD	Italy	46.2367N 13.2433E	640	From 1977-05-06
Bernardo	X22A	New Mexico,U.S.A.	34.5058N 107.0102W	1604	From 2008-01-10
Bernardo	BDNM	New Mexico,U.S.A.	34.4960N 106.9130W	1505	From 1990-01-01
Bernie	BRNM	Missouri,U.S.A.	36.7236N 89.9978W	103	
Bernie	BRM	Missouri,U.S.A.	36.6333N 90.0597W	109	From 1969-01-01 to 1973-12-31
Berninapass	BERNI	Switzerland	46.4132N 10.0221E	2310	From 1998-08-01
Bernov	BERN	Czech Republic	50.2321N 12.5117E	635	
Berrybush	BYB	Wales,United Kingdom	51.8994N 5.0958W	0	
Berryessa Peak	NBPM	California,U.S.A.	38.6678N 122.1930W	67	From 1974-05-10
Berryman	BRR	Missouri,U.S.A.	37.9533N 91.1750W	250	From 1960-01-01 to 1962-12-31
Ber_school_1	RORSS	Norway	64.8702N 11.2340E	0	From 2000-01-01
Ber_school_2	MELSS	Norway	66.8637N 13.7233E	29	From 2000-01-01
Bertagne	BERF	Provence-Cote d'Azur,France	43.3130N 5.6907E	1030	
Bertell Ranch	BRTC	California,U.S.A.	34.6115N 117.9630W	789	
Bertha Hill	BHI	Idaho,U.S.A.	46.7640N 115.7920W	1652	From 1971-10-01 to 1976-01-14
Berwen	BWZ	South Island,New Zealand	44.5339S 169.8869E	500	From 1991-01-20
Besancon	BES	Franche Comte,France	47.2497N 5.9875E	311	From 1950-01-01
Besboro Island	BBO	Alaska,U.S.A.	64.1212N 161.3050W	244	
Besiri	BEST	Turkey	37.8911N 41.2700E	959	From 2003-10-02
Bessie Mountain	BESE	Alaska,U.S.A.	58.5796N 134.8543W	870	
Betania	BETC	Colombia	2.6814N 75.4413W	540	From 1994-01-01
Bet Guvrin	GVI	Israel	31.6320N 34.9090E	390	From 1983-04-01 to 1999-08-25
Bethany	BETM	Missouri,U.S.A.	36.6119N 90.0593W	129	
Betharram	BTH	Aquitaine,France	43.1231N 0.2069W	325	From 1986-08-01 to 1995-12-31
Bethel	BQ-AK	Alaska,U.S.A.	60.7789N 161.8836W	46	
Bethel	BET	Alaska,U.S.A.	60.8078N 161.7720W		
Bethel	MBET	Montserrat	16.7414N 62.1631W	350	From 1989-07-01
Bethel	BETH	Kentucky,U.S.A.	38.2467N 83.8531W	278	From 1980-10-26 to 1999-08-25
Bethel	BHO	Oklahoma,U.S.A.	34.3808N 94.8673W	143	From 1981-03-30 to 1987-10-15
Bethesda--National Naval Medical Center	NHB	Maryland,U.S.A.	39.0016N 77.0837W	91	From 1962-01-01 to 1972-12-31
Betijoque	BETV	Venezuela	9.3795N 70.6730W	638	
Bet Lehem HaGelilit	BLGI	Israel	32.7334N 35.1913E	190	From 2007-11-19
Bet Oren	BRNI	Israel	32.7200N 34.9900E	400	From 1991-12-01
Beuda	CBEU	Spain	42.2567N 2.6769E	824	From 2007-05-01
Beuren	BEU	Baden-Wurttemberg,Germany	48.5838N 9.4153E	443	From 1973-01-01 to 2002-03-08
Beverley	BEV	Jamaica	18.4517N 77.3000W	123	
Beverly	BVW	Washington,U.S.A.	46.8110N 119.8823W	670	
Beverly Hills	BVH	California,U.S.A.	34.0762N 118.3959W	39	
Beykoz	BEYT	Turkey	41.1590N 29.2910E	153	
Bezymyannaya	BZMR	Kamchatskaya Oblast',Russia	55.9350N 160.4900E	1450	From 2006-08-01
Bezymyannyi-Griva	BZGR	Kamchatskaya Oblast',Russia	55.9400N 160.6960E	1152	From 2007-08-23
Bezymyannyi-West	BZWR	Kamchatskaya Oblast',Russia	55.9640N 160.4960E	1624	From 2007-08-23
Bhakra	BHK	Punjab,India	31.4167N 76.4167E	410	From 1965-02-15
Bhandari	BHDI	Nagaland,India	26.2800N 94.1492E	700	
Bhannes	BHL	Lebanon	33.9042N 35.6542E	1000	From 1980-05-01
Bhavnagar	BHV	Gujarat,India	21.7500N 72.1433E	7	From 2002-07-16
Bhopal	BHPL	Madhya Pradesh,India	23.2410N 77.4245E	520	
Bhubaneshwar	BWNR	Orissa,India	20.2955N 85.8058E		
Bhuj	BHJ	Gujarat,India	23.2540N 69.6540E	80	From 1980-04-01
Bhuj	BHUJ	Gujarat,India	23.2540N 69.6540E		
Bhumibol Dam	BDT	Thailand	17.2443N 99.0030E	154	From 1976-01-01
Biak	BAKI	Irian Jaya,Indonesia	1.1914S 136.1070E	89	
Bialla	BIAL	New Britain,Papua New Guinea	5.3100S 151.0520E	160	From 1985-05-13
Bibbiana	BIBN	Italy	44.0800N 11.3000E	711	From 2005-04-23
Biblis	WBH	Hessen,Germany	49.7047N 8.4151E	85	From 2004-09-17
B. Ibn Batouta	BIT	Morocco	35.6481N 5.7289W	60	
Bicaz	BIZ	Romania	46.9392N 26.1042E	410	
Biccari - m.te Cornacchia	MOCO	Italy	41.3700N 15.1580E	1049	From 2005-08-03
Bickleton	BLTW	Washington,U.S.A.	45.9150N 120.1770W	659	
Bidbid	BIDO	Oman	23.5211N 58.1269E	200	From 2001-07-01
Biddle	G23A	Montana,U.S.A.	45.2012N 105.3907W	1064	From 2008-11-23
Bidston	BID	England,United Kingdom	53.4000N 3.0667W	60	
Bieber	WBG	Hessen,Germany	50.1716N 9.3459E	310	From 2003-12-15
Bielsa	EBIE	Spain	42.6862N 0.1428E	2130	
Bielsko-Biala	MIKI	Poland	49.7884N 19.0603E	358	From 2005-06-15
Big Bar	N02C	California,U.S.A.	40.8220N 123.3057W	717	From 2005-06-29 to 2007-11-19
Big Bear	BBC	California,U.S.A.	34.2417N 116.9080W	2060	From 1951-06-21 to 1957-09-20
Big Bear Solar Observatory, Big Bear Lake	BBRC	California,U.S.A.	34.2623N 116.9207W	2069	From 2000-06-14
Big Bend	BBI	Idaho,U.S.A.	44.1762N 111.4290W	1950	From 1974-06-01 to 1980-07-24
Big Bend	BBM	Montana,U.S.A.	48.3764N 115.3280W	719	From 1971-02-01 to 1974-07-09
Big Bend Ranch, Presidio	626A	Texas,U.S.A.	29.5540N 104.1335W	979	From 2008-03-09 to 2010-02-07
Big Butte	BGB	Nevada,U.S.A.	37.0402N 116.2278W	1706	From 1979-01-23 to 2002-10-10
Big Chuckawalla Mtns, Desert Center	BC3	California,U.S.A.	33.6551N 115.4537W	1137	From 1991-05-08
Big Chuckwalla Mountains 2	BC2	California,U.S.A.	33.6570N 115.4612W	1185	From 1974-11-01 to 2008-02-22
Big Creek	BGN	Nevada,U.S.A.	41.6761N 118.5970W	1527	From 1974-03-01 to 1975-08-31
Big Creek Baldy	BCB	Montana,U.S.A.	48.6351N 115.5450W	1756	From 1972-07-02 to 1976-10-04
Big Creek, Yellow Pine	G12A	Idaho,U.S.A.	45.1285N 115.3257W	1780	From 2007-07-29 to 2009-07-25
Big Darby	GBDM	California,U.S.A.	39.4420N 123.3090W	655	
Big Dutch Hollow	BDU	Utah,U.S.A.	40.8742N 111.5340W	2198	From 1974-09-01 to 1989-04-24
Bigfork	BFM	Montana,U.S.A.	48.0672N 114.1000W	914	
Big Grassy Butte	GBI	Idaho,U.S.A.	43.9875N 112.0630W	1561	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Big Grassy Mountain	BGU	Utah,U.S.A.	40.9254N	113.0299W	1608	
Big Gulch	LBGM	California,U.S.A.	40.8023N	122.5897W	884	
Big Hill	BLW	North Island,New Zealand	41.3686S	175.4740E	340	From 1979-06-29 to 2004-06-08
Big Hole Peak	BHMT	Montana,U.S.A.	47.5825N	115.0370W	1628	
Big Horn, Sheridan	H21A	Wyoming,U.S.A.	44.6277N	107.0423W	1411	From 2008-07-25
Big Horse Ranch, Ione	R04C	California,U.S.A.	38.2571N	120.9363W	115	From 2004-12-08 to 2007-12-04
Big Koniuji Island	BKJ	Alaska,U.S.A.	55.1567N	159.5590W	146	
Big Lost River	LRI	Idaho,U.S.A.	43.5283N	112.9480W	1509	From 1971-12-01 to 1999-08-25
Big Maria Mountains	BMM	California,U.S.A.	33.7567N	114.5860W	564	From 1974-04-01 to 1976-10-31
Big Mountain	BBGM	California,U.S.A.	36.5913N	121.0250W	1216	From 1972-02-03
Big Mountain	BGM	Alaska,U.S.A.	59.3927N	155.2290W	625	From 1979-02-21
Big Mountain	BIG	Alaska,U.S.A.	59.3889N	155.2170W	567	From 1972-07-31 to 1978-09-08
Big Muddy Lake	BMS	Saskatchewan,Canada	49.2117N	104.7930W	700	From 1977-07-11
Bigot	BIM	Martinique	14.5170N	61.0708W	425	From 1972-01-01
Big Rock Lookout	BROR	Oregon,U.S.A.	44.2674N	122.4520W	135	
Big Springs	BSPT	Tennessee,U.S.A.	35.7260N	84.1090W	334	From 1983-11-01
Big Stone Gap	BI-VA	Virginia,U.S.A.	36.8458N	82.7069W	549	From 1962-11-07 to 1962-12-12
Big Stone Gap	BI-	Virginia,U.S.A.	36.8458N	82.7069W	549	From 1962-11-07 to 1962-12-12
Bigte	NZB	Luzon,Philippines	14.8630N	121.1010E	227	
Big Timber	F18A	Montana,U.S.A.	45.9046N	109.7158W	1291	From 2007-09-18 to 2009-09-12
Big Trails, Ten Sleep	I21A	Wyoming,U.S.A.	43.8122N	107.2920W	1639	From 2008-07-29
Bijagual	LAJ	Costa Rica	9.8637N	84.1213W	1650	
Bijeljina	BLJ	Bosnia and Herzegovina	44.7830N	19.2670E	94	From 2002-07-05
Bilaspur	BLSP	Madhya Pradesh,India	22.1291N	82.1319E	398	
Bilaspur	BLPI	Madhya Pradesh,India	22.0833N	82.4167E	85	
Bilibino	BILL	Magadanskaya Oblast',Russia	68.0389N	166.2711E	299	
Billerbeck	NE35	Nordrhein-Westfalen,Germany	51.9720N	7.3480E	166	
Billings	F20A	Montana,U.S.A.	45.8006N	108.1488W	1194	From 2008-07-23
Billings	BS-MA	Montana,U.S.A.	45.7322N	108.8922W	1219	
Bima	BMNI	Sumba,Indonesia	8.5400S	118.6926E	63	From 2005-01-01
Bindweide	BIW	Rheinland-Pfalz,Germany	50.7308N	7.8373E	360	
Bingham Canyon	BIU	Utah,U.S.A.	40.5131N	112.1360W	2244	
Binghamton	BING	New York,U.S.A.	42.0757N	75.9767W	408	From 1978-10-18 to 1986-09-30
Binghamton	BINY	New York,U.S.A.	42.1993N	75.9861W	498	From 1993-08-17
Binghamton	BNY	New York,U.S.A.	42.0896N	75.9708W	291	From 1970-08-01
Bingley Moor	BMY	England,United Kingdom	53.8698N	1.8185W	235	
Bingol	BINT	Turkey	38.8758N	40.4890E	1342	From 1997-08-21
Bingol	BGOL	Turkey	38.9882N	40.6711E	1166	From 2011-01-07
BINGOL	BNGL	Turkey	38.9521N	41.1499E	1968	From 2005-07-11
Bing¨¶l	BNGB	Turkey	38.9913N	40.6790E	1180	From 2008-11-21
Binningen	SBIS2	Switzerland	47.4511N	7.5835E	315	From 2008-12-01
Binsa	BIN	Congo (Kinshasa)	4.3667S	15.2500E	450	From 1966-01-01 to 1999-08-25
Bintulu	BTM	Sarawak,Malaysia	3.2000N	113.0833E	156	
Biorka	BIO	Alaska,U.S.A.	56.8517N	135.5580W	61	From 1967-06-08 to 1970-05-31
Bi'r al Bayda'	BIDS	Saudi Arabia	26.8669N	36.9575E	200	
Biratori	JBT	Hidaka,Japan	42.5898N	142.1337E	100	From 1995-04-01
Biratori 2	JBT2	Hidaka,Japan	42.7783N	142.3637E	170	
Birch Creek	BCKR	California,U.S.A.	37.6975N	118.3720W	1634	From 1984-09-13
Birch Farm	BFZ	North Island,New Zealand	40.6817S	176.2460E	318	From 1996-07-01
Birchfield Mountain	BFMT	Tennessee,U.S.A.	35.4880N	84.2270W	329	From 1983-11-09
Birch Hill	BRH	Alaska,U.S.A.	64.8648N	147.6400W	330	From 1970-07-09 to 1972-08-10
Bird Springs	WBSM	California,U.S.A.	35.5370N	118.1390W	1932	
Birjand	BIRU	Iran	32.9000N	59.2000E	0	
Birlad	BIR	Romania	46.2664N	27.6264E	225	From 1979-01-01
Birley Grange	KBI1	England,United Kingdom	53.2543N	1.5279W	272	From 1988-01-01
Bir Mashi	BMSH	Saudi Arabia	28.8139N	34.8389E	50	From 1993-07-01
Birney	G22A	Montana,U.S.A.	45.2189N	106.2924W	1203	From 2008-11-22
Birongo	BIRV	Venezuela	10.4756N	66.2693W	200	
Bi'r Shalatayn	HSHL	Egypt	23.1067N	35.3999E	147	
Bisbee	318A	Arizona,U.S.A.	31.4390N	109.9907W	1576	From 2007-03-07 to 2009-01-20
Biscoitos	PBIS	Azores,Portugal	38.7613N	27.2527W	435	From 2003-03-01
Bishah	BISH	Saudi Arabia	20.0010N	42.5990E	800	From 1991-05-01
Bishkek	FRU1	Kyrgyzstan	42.8100N	74.6300E	929	From 2010-06-30
Bishkek	FRU	Kyrgyzstan	42.8333N	74.6167E	655	
Bishop	BP-CL	California,U.S.A.	37.3600N	118.6903W	2317	From 1963-04-16 to 1963-07-18
Bishop	BHPR	California,U.S.A.	37.2995N	118.4870W	2171	From 1984-08-10
Bishop	BP-	California,U.S.A.	37.3600N	118.6903W	2317	From 1963-04-16 to 1963-07-18
Bishop Farm, Joseph	G10A	Oregon,U.S.A.	45.2925N	117.1204W	1527	From 2006-08-24 to 2008-07-18
Bishrakh	BISR	Uttar Pradesh,India	28.5710N	77.4390E	0	
Bislig	BIPH	Mindanao,Philippines	8.1840N	126.3610E	44	
Bislig	BIP	Mindanao,Philippines	8.2250N	126.2500E	200	
Bismark Peak	BIS	Nevada,U.S.A.	39.1238N	119.6750W	1786	From 1978-03-01
BISOCA	BISC	Romania	45.5402N	26.6874E	950	From 2005-08-10
Bistriski jarek	BISS	Slovenia	46.6478N	15.1271E	480	From 1996-12-01
Bisya	BSY	Oman	22.7446N	57.1995E	450	From 2001-07-01
Bisya	BSYO	Oman	22.7310N	57.2402E	350	From 1998-05-26 to 2000-12-31
Bitlis	BTLK	Turkey	38.4070N	42.1060E	1545	
Bitola	BIA	Former Yugoslav Rep. of Macedonia	41.0194N	21.3239E	720	From 1994-09-17
Bitter Crk WRge	BCW	California,U.S.A.	34.9401N	119.4131W	1101	
Bitterwater Creek	PBWM	California,U.S.A.	36.3150N	120.9290W	381	From 1972-01-27
Bitterwater Creek	BTW	California,U.S.A.	36.3150N	120.9290W	381	From 1972-01-27
Bixby	BIX	Oklahoma,U.S.A.	35.9780N	95.8461W	195	From 1990-08-01
Bjarnastaoir	IBJA	Iceland	63.9460N	21.3030W	57	From 1989-08-15
Bjornoya	BJO	Norway	74.5055N	19.1883E	18	
Bjornoya	BJO1	Norway	74.5020N	18.9990E	18	From 1994-08-25
Bjuv	BJUU	Sweden	56.0740N	13.0230E	100	From 2008-08-25
Black Birch	BBW	South Island,New Zealand	41.7125S	173.8783E	250	
Blackbirch Station	BSWZ	North Island,New Zealand	41.7150S	173.8758E	293	From 2003-12-10
Blackbird State Forest	BBD	Delaware,U.S.A.	39.3461N	75.6767W	18	From 1977-01-01 to 1999-01-31
Blackburn lab bldg12	OTBB	Ontario,Canada	45.4068N	75.5548W	76	From 2002-05-23
Black Butte	BBN	New Mexico,U.S.A.	34.4078N	106.7460W	1524	From 1970-02-15 to 1971-12-18
Black Butte	YPBB	Idaho,U.S.A.	45.0288N	111.1168W	2085	
Black Butte	BLK	Montana,U.S.A.	48.8547N	115.1180W	969	From 1971-02-07 to 1976-10-04
Black Canyon	BLCC	California,U.S.A.	34.2436N	118.6731W	607	
Black Canyon North	BCHM	California,U.S.A.	36.0543N	117.7280W	1265	From 1975-09-26
Black Crater	BKCOR	Oregon,U.S.A.	44.2994N	121.6960W	1208	
Black Diamond Mines Park, Antioch	BDM	California,U.S.A.	37.9540N	121.8655W	219	From 1998-11-12
Blackfoot	J15A	Idaho,U.S.A.	43.3998N	112.4334W	1497	From 2007-08-09 to 2009-05-09
Black Forest	BFO	Baden-Wurttemberg,Germany	48.3301N	8.3296E	589	From 1974-10-01
Black Fox Mountain	LBFM	California,U.S.A.	41.3470N	121.8900W	1982	
Black Gap, Marathon	628A	Texas,U.S.A.	29.4862N	102.8885W	655	From 2008-03-05 to 2010-02-10
Black Gap (USAF), Gila Bend	114A	Arizona,U.S.A.	32.7513N	112.8830W	279	From 2008-02-05 to 2009-02-18
Black Hill	BLHA	Alaska,U.S.A.	55.7029N	162.0672W	378	From 1996-07-01
Black Hill	EBH	Scotland,United Kingdom	56.2481N	3.5081W	375	From 1969-01-01
Black Hills	RSSD	South Dakota,U.S.A.	44.1212N	104.0359W	2090	From 1981-08-10
Black Hill Station	BHHZ	North Island,New Zealand	39.4893S	176.0629E	831	From 2008-06-12
Black Mountain	BMT*	Nevada,U.S.A.	37.2836N	116.5336W	1920	
Black Mountain	JBMM	California,U.S.A.	37.3182N	122.1530W	820	From 1975-02-24
Black Mountain	BMRR	California,U.S.A.	40.1087N	120.2910W	2146	
Black Mountain	BLKC	California,U.S.A.	35.0880N	117.2190W	648	
Black Mountain	BMTN	Nevada,U.S.A.	37.2913N	116.6380W	2073	From 1983-04-15 to 2002-10-10
Black Mountain	BMUT	Utah,U.S.A.	41.9582N	111.2340W	2243	From 1979-10-01
Black Mountain	BLDC	California,U.S.A.	35.5338N	120.9067W	457	
Black Mountain, Craig	N21A	Colorado,U.S.A.	40.7600N	107.5196W	2235	From 2007-11-09
Blacknest	BKN	England,United Kingdom	51.3642N	1.1869W	107	From 1973-02-22
Black Oak	GBOM	California,U.S.A.	38.8243N	122.8430W	879	From 1975-06-20
Black Peak	BPK	Arizona,U.S.A.	34.1247N	114.2100W	504	From 1974-04-01 to 1976-11-09
Black Pine Ridge	BPMT	Montana,U.S.A.	46.4375N	113.4463W	2408	
Black Rapids	BLR	Alaska,U.S.A.	63.5017N	145.8450W	809	From 1965-03-01 to 1999-08-25
Black Ridge (BLM), Bullfrog Basin	S17A	Utah,U.S.A.	37.6354N	110.8018W	1373	From 2007-07-28 to 2009-03-13
Black River	BRJ	Jamaica	18.0333N	77.8683W	8	From 1961-11-05 to 1964-03-07
Black Rk. Forest	BRNY	New York,U.S.A.	41.4140N	74.0119W	282	
Blackrock camp	BLAC	California,U.S.A.	34.0695N	116.3890W	1243	
Black Rock Valley	BRVW	Washington,U.S.A.	46.4853N	119.9912W	920	
Blacksburg	BAV	Virginia,U.S.A.	37.2221N	80.4250W	622	From 1973-09-01 to 2004-09-30
Blacksburg	BLA	Virginia,U.S.A.	37.2113N	80.4210W	634	From 1962-09-04
Black Stump Fm	BKZ	North Island,New Zealand	39.1675S	176.4922E	729	From 2004-02-11
Blacktail Mountain	BLMT	Montana,U.S.A.	48.0108N	114.3633W	2052	
Blanchard Fire Station	MBFM	California,U.S.A.	37.6785N	120.3630W	309	From 1976-11-03

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Blanco	534A	Texas,U.S.A.	30.0284N 98.4753W	461	From 2009-11-06
Blanding	BX-	Utah,U.S.A.	37.5633N 109.4347W	1707	From 1963-08-08 to 1964-03-18
Blanding	BX-UT	Utah,U.S.A.	37.5633N 109.4347W	1707	From 1963-08-08 to 1964-03-18
Blasjo	BLS	Norway	59.3900N 6.4490E	1170	From 1985-01-01 to 2003-04-05
Blasjo	BLS1	Norway	59.3910N 6.8270E	1160	From 1986-10-01 to 1991-01-10
Blasjo	BLS2	Norway	59.2940N 6.9270E	1190	From 1986-10-01 to 1991-01-10
Blasjo	BLS3	Norway	59.4250N 6.5150E	1130	From 1986-10-01 to 1991-01-10
Blasjo	BLS5	Norway	59.4229N 6.4560E	540	From 1994-06-20
Bleialf	BLI	Rheinland-Pfalz,Germany	50.2323N 6.2877E	468	
Blekinge	BLEU	Sweden	56.3040N 15.8145E	90	From 2002-11-05
Blewett	BW-	Washington,U.S.A.	47.3803N 120.6533W	884	
Blewett	BW-WA	Washington,U.S.A.	47.3803N 120.6533W	884	
Blockade Glacier	BKG	Alaska,U.S.A.	61.0702N 152.2630W	1009	From 1991-07-01
Bloemfontein	BLF	Orange Free State,South Africa	29.1089S 26.1881E	1420	
Bloom-Carroll	BCSO	Ohio,U.S.A.	39.7940N 82.6980W	256	
Bloomer Hill	OBHM	California,U.S.A.	39.6517N 121.4620W	914	From 1975-09-06
Bloomfield	BY-IO	Iowa,U.S.A.	40.7692N 92.4525W	259	
Bloomington	BLO	Indiana,U.S.A.	39.1719N 86.5222W	246	From 1961-12-01
Bloomsburg	BB-PA	Pennsylvania,U.S.A.	41.1822N 76.5519W	305	From 1962-08-16 to 1962-10-05
Bloomsburg	BB-	Pennsylvania,U.S.A.	41.1822N 76.5519W	305	From 1962-08-16 to 1962-10-05
Blossom Village, Little Cayman	LCCY	Cayman Islands	19.6676N 80.0821W	5	From 2011-01-01
Blowhard Mountain	BHU	Utah,U.S.A.	37.5925N 112.8570W	3230	
Blowhole	BHT	Tennessee,U.S.A.	35.8470N 84.9450W	826	From 1981-10-23
Blue Bank Bayou	BBTN	Tennessee,U.S.A.	36.3870N 89.4570W	88	
Blue Mountain	BLM	Alaska,U.S.A.	58.0467N 156.3370W	550	From 1975-01-01
Blue Mountain	BMT	Alaska,U.S.A.	58.0467N 156.3370W	550	From 1975-01-01
Blue Mountain Lake	BML	New York,U.S.A.	43.8680N 74.4020W	305	From 1971-09-01 to 1973-10-31
Blue Mountains Array	BMO	Oregon,U.S.A.	44.8525N 117.3060W	1154	From 1962-01-01
Bluenose Ridge	KBNM	California,U.S.A.	39.8927N 123.1940W	1363	From 1979-11-09
Blue Ridge	BLU	California,U.S.A.	34.4053N 117.7250W	1880	From 1975-02-01 to 2008-02-22
Blue Ridge	BRDG	Arizona,U.S.A.	34.6260N 111.1760W	2057	From 1991-01-01
Blue Ridge Broadcasting Company	BRBC	North Carolina,U.S.A.	35.7390N 82.2860W	1976	From 1982-05-26 to 2008-02-13
Blue River	WGB	British Columbia,Canada	52.1023N 119.4650W	2012	From 1984-08-08 to 1986-07-31
Blue River	BLBC	British Columbia,Canada	52.0434N 119.2411W	2362	
Blum	BLMY	New York,U.S.A.	41.3297N 73.9550W	134	
Blyn Mountain	BLN	Washington,U.S.A.	48.0074N 122.9720W	585	From 1970-07-02
Blythe	Y12C	California,U.S.A.	33.7503N 114.5238W	196	From 2004-10-08
Blythe	BLYC	California,U.S.A.	33.7503N 114.5238W	196	
Boac	BOAC	Luzon,Philippines	13.4590N 121.8440E	29	
Boaco	BOA	Nicaragua	12.4818N 85.7178W	550	From 1975-01-01
Boaco	BOA1	Nicaragua	12.4872N 85.6945W	734	
BOACO BROADBAND	BOAB	Nicaragua	12.4491N 85.6663W	89	From 1995-02-02
Bobbio (Coli)	BOB	Italy	44.7669N 9.4478E	910	
Bob Jauregui Ranch	ABJM	California,U.S.A.	39.1653N 121.1910W	457	From 1976-07-27
Bob Quinn Lake	BQB	British Columbia,Canada	57.0227N 130.2400W	1310	From 1981-10-09
Bobrof	AK4	Alaska,U.S.A.	51.8230N 177.4450W	8	
Boca de Chavon	ROBI	Dominican Republic	18.4100N 68.8400W	0	
Bocca Nuova	EBCN	Sicily,Italy	37.7521N 14.9858E	3135	From 2009-10-09
Bocca Seriola	CCE3	Italy	43.5170N 12.3548E	750	From 2011-02-08
Bochum	NE36	Nordrhein-Westfalen,Germany	51.4419N 7.2703E	85	
Bochum	BOC	Nordrhein-Westfalen,Germany	51.4894N 7.2139E	64	From 1907-01-01
Bochum--University	BUG	Nordrhein-Westfalen,Germany	51.4406N 7.2693E	85	From 1971-10-01
Bocsa	PKS6	Hungary	46.5998N 19.5645E	120	
Bodaibo	BOD	Irkutskaya Oblast',Russia	57.8189N 114.0039E	245	
Bodega del ICE en Pailas	GPS3	Costa Rica	10.7547N 85.3650W	639	From 2000-01-01
Bodie	BODR	California,U.S.A.	38.1628N 118.9702W	2195	
Bodon	BDN	Buryatiya,Russia	53.9000N 110.1000E	1000	
Bodrum	BODT	Turkey	37.0621N 27.3104E	379	From 2005-02-14
Boeing Everett	BEVT	Washington,U.S.A.	47.9200N 122.2700W	170	
Boeing Fire Protection	BSFP	Washington,U.S.A.	47.5200N 122.2983W	5	From 2004-07-07
Boeun	KSBON	South Korea	36.5000N 127.8000E	332	From 2005-11-02
Bogazkoy	BGKT	Turkey	41.1810N 28.7730E	80	From 2002-01-01
Bogdanovka	BGD	Georgia	41.2645N 43.5986E	1978	From 1954-01-01
Boggs Mountain	GBGM	California,U.S.A.	38.8140N 122.6790W	1125	From 1975-06-26
Boggy Peak	BPA	Antigua,Antigua and Barbuda	17.0460N 61.8570W	396	From 1980-07-09
Bogi-Zagon	BZN	Tajikistan	38.4800N 69.8200E		
Bogner Ranch, Nez Perce	E11A	Idaho,U.S.A.	46.3559N 116.2092W	831	From 2006-11-13 to 2008-06-06
Bogoin	BGCA	Central African Republic	5.1761N 18.4242E	576	
Bogong Mts	BOV	Victoria,Australia	36.8078S 147.2270E	700	From 1963-01-01 to 1972-08-09
Bogota	BOCO	Colombia	4.5869N 74.0433W	3137	From 1977-12-01
Bogota	BOG	Colombia	4.6231N 74.0650W	2658	From 1941-09-01
Bohocortia	BOH	Aquitaine,France	43.1027N 1.0117W	1150	
Bohunice	BHC	Czech Republic	48.5786N 17.5289E	0	
Boiestown	BOIN	New Brunswick,Canada	46.4628N 66.4067W	86	From 2007-06-26
Boischatel	BCLQ	Quebec,Canada	46.9262N 71.1728W	180	From 2007-11-02
Bois d'Agland	BGF	Auvergne,France	46.5578N 2.8464E	390	
Boise	BSE	Idaho,U.S.A.	43.6500N 116.0920W		From 1975-05-01
Boisen	BOI	New Britain,Papua New Guinea	4.1878S 152.1990E	18	
Bois Riant Capesterre	BCG	Guadeloupe	16.0850N 61.6197W	442	
Boistfort Mountain	BMW	Washington,U.S.A.	46.4750N 123.2280W	870	
Bojanci	BOJS	Slovenia	45.5040N 15.2520E	256	From 2004-03-01
Bojnu@18rd	BJRD	Iran,Iran	37.7000N 57.4080E	1337	
Bojnurd	BJMA	Iran	37.9000N 55.9500E	0	
Bokaro	BOK	Bihar,India	23.7948N 85.8858E	282	
Bokaro	BOKR	Bihar,India	23.7948N 85.8859E	282	
Bokosso	BKO	Cameroon	4.4181N 9.1411E	380	From 1985-02-13
Bolinao	BOLP	Luzon,Philippines	16.3810N 119.9130E	71	
Bolinger Road	BGC	California,U.S.A.	37.8162N 122.0620W	610	From 1969-08-23
Bolinger Road	LT16	California,U.S.A.	37.8162N 122.0620W	610	From 1969-08-23
Bolinger Road	CBRM	California,U.S.A.	37.8162N 122.0620W	610	From 1969-08-23
Boljevac	BOLS	Serbia	43.8289N 21.9532E	267	From 2002-06-21
Bologna	BOL	Italy	44.4867N 11.3290E	80	
Bol'shaya Rechka	BLRR	Krasnoyarskiy Kray,Russia	53.0383N 92.4282E	558	From 2005-02-23
Bolvadin	BOLV	Turkey	38.7183N 30.9502E	1303	From 2007-05-30
Bolzano	BLZ	Italy	46.5049N 11.3468E	280	From 1971-05-06
Bolzano	BOSI	Europe	46.4952N 11.3185E	242	From 2006-12-13
Bombay	BOM	Maharashtra,India	18.8958N 72.8127E	6	
Bomdila	BMI	Arunachal Pradesh,India	27.2675N 92.4230E	2700	From 1983-07-01
Bomnak	BMKR	Amurskaya Oblast',Russia	54.7110N 128.8420E	342	
Bom Sucesso	BSCB	Minas Gerais,Brazil	20.9977S 44.7737W	870	
Bomura	BHOK	Shiga,Japan	35.2447N 135.8728E	380	
Bonanza	DCA1	Alberta,Canada	56.0317N 119.9319W	485	
Bonanza King	LBKM	California,U.S.A.	41.0842N 122.6650W	1341	
Bonds Corner	BON	California,U.S.A.	32.6945N 115.2690W	14	From 1973-04-16 to 2008-02-22
Bone	J16A	Idaho,U.S.A.	43.2741N 111.6119W	2004	From 2007-07-25 to 2009-05-10
Bone	BNSI	Sulawesi,Indonesia	4.4005S 120.1065E	0	From 2007-12-01
BONGHWA	KSCHY	South Korea	36.9378N 128.9167E	321	From 2000-11-22
Bonilla	BNAB	British Columbia,Canada	53.4933N 130.6370W	16	From 1987-12-04
Bonnechere River Park	BRPO	Ontario,Canada	45.6506N 77.5061W	170	
Bonneval	BOF	Rhone-Alpes,France	45.3540N 7.0300E	1800	From 1981-07-01
Bonny Gate	BNJ	Jamaica	18.3210N 76.9510W	485	
Bonnylands	HBL2	England,United Kingdom	52.0508N 3.0384W	400	From 1991-01-01
Book Cliffs East	BCE	Utah,U.S.A.	39.6131N 110.4084W	2666	
Boomskoye uschel'e	BOOM	Kyrgyzstan	42.4900N 75.9400E	1737	From 2010-06-05
Boondooma	BOON	Queensland,Australia	26.0951S 151.4521E	370	
Boondooma Dam	BDMQ	Queensland,Australia	26.1123S 151.4440E	320	
Boorowa	BWA	New South Wales,Australia	34.4250S 148.4180E	656	From 1971-01-01
Boqueron	BOQS	El Salvador	13.7350N 89.2800W	1830	From 1991-12-01
Boquillas Ranch, Navajo N., Peach Springs	V14A	Arizona,U.S.A.	35.6339N 113.1053W	1731	From 2007-03-09 to 2008-11-07
Boraas	BORU	Sweden	57.6345N 12.7697E	175	From 2006-08-04
Boracho Peak	MT1	Texas,U.S.A.	30.9289N 104.3910W	1714	From 1977-06-01 to 2003-01-28
Borbona	RM20	Italy	42.5249N 13.1264E	804	From 2009-04-09 to 2009-08-26
Borcka	BCA	Turkey	41.4450N 41.6223E	500	
Borcka	DBOC	Turkey	41.3453N 41.6666E	615	From 2007-09-24
Bordano	BOO	Italy	46.3200N 13.1000E	444	From 1977-05-09
Bordano	BORI	Italy	46.3200N 13.1000E	444	From 1977-05-09
Bordesti	BRD	Romania	45.5536N 27.0288E	356	
Borealis Mine area, Hawthorne	TVH2	Nevada,U.S.A.	38.3782N 118.7564W	2174	
Borgarnes	BORG	Iceland	64.7474N 21.3268W	110	From 1994-07-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Borgo	BL1	Italy	43.9802N	11.4342E		From 1977-11-01
Borgo	BSL	Italy	43.9802N	11.4342E		From 1977-11-01
Borgo San Lorenzo	BOSL	Italy	43.9400N	11.3800E	374	From 2007-02-02
Borgo Val di Taro	BVT	Italy	44.4864N	9.7750E	0	From 1975-09-01 to 1991-12-31
Borinquen Arriba	GB1A	Costa Rica	10.8185N	85.3983W	881	From 2000-01-01
Borland Lodge	BRZ	South Island,New Zealand	45.7792S	167.5390E	190	From 1979-08-22 to 1990-08-02
Bormio	BRMO	Italy	46.4761N	10.3731E	1380	
Bornholm Skovbrynet	BSD	Denmark	55.1139N	14.9147E	88	From 1990-03-01
Bornova	KDAG	Turkey	38.4028N	27.2667E	997	From 1999-07-01
Borongan	BESP	Samar,Philippines	11.6010N	125.4380E	48	
Borovoye	BRVK	Kazakhstan	53.0581N	70.2828E	315	From 1994-09-01
Borovoye Array Beam Reference Point	BVAR	Kazakhstan	53.0249N	70.3885E	420	From 2002-07-06
Borovoye Array Site A0	BVA0	Kazakhstan	53.0249N	70.3885E	420	From 2002-07-06
Borovoye Array Site A1	BVA1	Kazakhstan	53.0249N	70.3886E	420	From 2002-07-06
Borovoye Array Site A2	BVA2	Kazakhstan	53.0189N	70.3912E	434	From 2002-07-06
Borovoye Array Site A3	BVA3	Kazakhstan	53.0268N	70.3785E	437	From 2002-07-06
Borovoye Array Site A4	BVA4	Kazakhstan	53.0290N	70.3963E	405	From 2002-07-06
Borovoye Array Site B5	BVB5	Kazakhstan	53.0247N	70.3662E	387	From 2002-07-06
Borovoye Array Site B6	BVB6	Kazakhstan	53.0361N	70.3762E	401	From 2002-07-06
Borovoye Array Site B7	BVB7	Kazakhstan	53.0379N	70.3950E	435	From 2002-07-06
Borovoye Array Site B8	BVB8	Kazakhstan	53.0216N	70.4108E	419	From 2002-07-06
Borovoye Array Site B9	BVB9	Kazakhstan	53.0123N	70.3857E	512	From 2002-07-06
Borrego Mountain	BRGC	California,U.S.A.	33.1712N	116.1740W	219	
Borrego Springs	BORC	California,U.S.A.	33.2682N	116.4172W	252	
Borschemich	BD11	Nordrhein-Westfalen,Germany	51.0823N	6.4302E	100	From 2001-01-01
Borseda	BORS	Italy	44.2450N	9.8258E	510	From 1991-01-01 to 1999-08-25
Boryeong	KSPOR	South Korea	36.3212N	126.5557E	15	From 2000-02-18
Borzhomi	BOR	Georgia	41.8333N	43.3833E	794	
Boshof	BOSA	South Africa	28.6137S	25.2560E	1200	From 1993-01-01
BOSHOF INFRASONIC ARRAY REFERENCE POINT	I47ZA	Orange Free State	28.6211S	25.2352E	1306	From 2005-11-08
Bosilegrad	BOSS	Serbia	42.4961N	22.4800E	446	From 2010-08-04
Boslevi	BGLV	Georgia	42.1740N	43.1828E	1046	From 2007-10-19
Bosley Butte	KBO	Oregon,U.S.A.	42.2123N	124.2260W	1008	
Boso 1	BSO1	Honshu,Japan	34.6535N	140.9780E	-4011	From 1988-01-01
Boso 2	BSO2	Honshu,Japan	34.7513N	140.7545E	-2090	From 1988-01-01
Boso 3	BSO3	Honshu,Japan	34.8017N	140.5103E	-1898	From 1988-01-01
Boso 4	BSO4	Honshu,Japan	34.9900N	140.3380E	-658	From 1988-01-01
Bosque Alegre	BOS	Cordoba,Argentina	31.5983S	64.5458W	1200	
Bostanabad	IBST	Iran	37.7000N	46.8920E	2100	From 1995-08-01
Boston College	BCX	Massachusetts,U.S.A.	42.3350N	71.1705W	61	
Bothel	BBO1	Scotland,United Kingdom	54.7367N	3.2464W	209	From 1992-01-01
Botiquin	BOTV	Venezuela	10.4037N	67.2167W	2375	From 2004-04-04
Botkins High School	BHSO	Ohio,U.S.A.	40.4690N	84.1790W	304	
Botlikh	BTLR	Dagestan,Russia	42.6639N	46.2222E	870	
Botticino	BOTT	Italy	45.5494N	10.3095E	200	From 2009-10-27
Bou Andas	CBND	Algeria	36.5275N	5.1255E	1575	
Bouganvilia	BVG	Guatemala	14.1080N	90.9397W	45	From 1978-06-01 to 1987-11-09
Bougnies	BBOU	Belgium	50.3888N	3.9447E	80	From 1985-03-29
Bouhanifia	ODJA	Algeria	35.3300N	0.1500W	645	From 2004-04-01
Boujaaouane	BOJ	Morocco	32.0310N	9.0680W	300	
Boulbra	BBA	Morocco	31.9120N	9.4710W		
Boulder	BDC	Colorado,U.S.A.	40.0050N	105.1581W	1625	
Boulder	BDW	Wyoming,U.S.A.	42.7762N	109.5680W	2190	From 1977-06-20 to 1986-07-01
Boulder	BOU	Colorado,U.S.A.	40.0083N	105.2710W	1654	From 1953-12-01 to 1968-12-31
Boulder	BO1	Colorado,U.S.A.	40.0128N	105.2520W	1669	
Boulder Array	PD06	Wyoming,U.S.A.	42.7667N	109.5580W	2224	From 1986-07-18
Boulder Array Site 6	BW06	Wyoming,U.S.A.	42.7667N	109.5583W	2224	From 1986-07-18
Boulder City	BCN	Nevada,U.S.A.	35.9808N	114.8340W	776	From 1938-02-01 to 1975-06-30
Boulder Dam	BDA	Arizona,U.S.A.	36.0154N	114.7370W	237	From 1941-04-01 to 1961-12-31
Boulder Hill, Kettleman City	V05C	California,U.S.A.	35.8667N	119.9028W	118	From 2005-04-11 to 2007-12-07
Boumerdes	ABMS	Algeria	36.7500N	3.4800E	97	From 2004-05-01
Boundary Peak	BNPN	Nevada,U.S.A.	37.9885N	118.3020W	2438	
Boundary Peak	BONR	Nevada,U.S.A.	37.9552N	118.3020W	2582	From 1974-07-01
Bountiful Peak	BPU	Utah,U.S.A.	40.9542N	111.8170W	2652	From 1974-10-01 to 1975-03-31
Bourheim	BD12	Nordrhein-Westfalen,Germany	50.9020N	6.3220E	-77	From 2004-08-01
Bourrignon	BOURR	Switzerland	47.3938N	7.2302E	860	From 1998-09-01
Bovan	BOVS	Serbia	43.6351N	21.7057E	223	From 2009-11-03
Bowen Island	BIB	British Columbia,Canada	49.4060N	123.3060W	37	From 1983-01-20
Bowen Ranch, Douglas	K23A	Wyoming,U.S.A.	42.7546N	105.6251W	1612	From 2008-11-17
Bowe Ranch, Endee	W27A	New Mexico,U.S.A.	35.0637N	103.0627W	1233	From 2008-05-09
Bowland	LBO	England,United Kingdom	53.9789N	2.5728W	320	From 1989-01-01
Bowling Green	BGKY	Kentucky,U.S.A.	37.0055N	86.5232W	240	
Bowling Green	BGO	Ohio,U.S.A.	41.3781N	83.6592W	212	From 1963-09-01
Bowling Green State University	BGSO	Ohio,U.S.A.	41.3812N	83.6404W	208	
Bowman	BOW	South Carolina,U.S.A.	33.3736N	80.6431W	35	From 1977-10-23
Bowman	F25A	South Dakota,U.S.A.	45.9256N	103.4576W	912	From 2009-07-11
Bowman Hall	BHKY	Kentucky,U.S.A.	38.0350N	84.5050W	306	
Box Canyon	BOX	Nevada,U.S.A.	39.6153N	118.1763W	1283	
Box Lake	BOXN	Northwest Territories,Canada	63.8521N	109.7169W	436	
Boyabat	BOYT	Turkey	41.4206N	34.9036E	660	From 1994-05-01
Boyabat	BYBT	Turkey	41.4685N	34.7667E	85	From 1996-10-10
Boyalica	BOY	Turkey	40.4867N	29.5573E	30	From 1994-01-01
Boyer Ranch	BYX	Nevada,U.S.A.	39.9542N	117.9178W	1128	
Bozab	IBZA	Iran	34.4696N	47.8605E	2343	From 2004-01-01
Bozcaada	BOZC	Turkey	39.8419N	26.0528E	202	From 2003-10-16
Bozcaada-Canakkale	BOZD	Turkey	39.8314N	26.0705E	39	From 2011-03-27
Bozeman	BZE	Montana,U.S.A.	45.8060N	110.9330W	244	From 1974-01-01 to 1977-05-31
Bozeman	BZM	Montana,U.S.A.	45.6669N	111.0450W	1490	From 1931-05-01 to 1968-03-31
Bozeman Pass	BZMT	Montana,U.S.A.	45.6482N	110.7967W	1905	
Bozeman (W)	BOZ	Montana,U.S.A.	45.6470N	111.6296W	1589	From 1999-11-13
Bozkurt	BZK	Turkey	41.9600N	34.0035E	70	From 1992-07-01
Bozova	ATAB	Turkey	37.4696N	38.2949E	551	From 2005-06-24
BOZOYUK	AUBOZ	Turkey	39.9106N	30.0325E	825	From 2010-01-27
Brabster	OBR	Scotland,United Kingdom	58.6142N	3.1623W	89	From 1995-09-21
Bracie Corner	BRCN	New York,U.S.A.	44.4275N	75.5830W	83	
Bradely Ranch, Valier	B15A	Montana,U.S.A.	48.3129N	112.5619W	1222	From 2007-09-11 to 2009-08-14
Bradley Lake	BRLK	Alaska,U.S.A.	59.7642N	150.8860W	631	From 1980-11-28
Bradley Lake NE	BRNE	Alaska,U.S.A.	59.9108N	150.6520W	1219	From 1980-10-12 to 1984-06-29
Bradley Lake NW	BRNW	Alaska,U.S.A.	59.8375N	151.1690W	582	From 1980-10-03 to 1984-06-29
Bradley Lake SE	BRSE	Alaska,U.S.A.	59.7055N	150.6710W	975	From 1980-10-10
Bradley Lake SW	BRSW	Alaska,U.S.A.	59.6410N	151.0450W	951	From 1980-10-12 to 1984-06-29
Braganca	PBRG	Portugal	41.8048N	6.7413W	691	From 1995-06-01
Braggadocio	BRGM	Missouri,U.S.A.	36.2047N	89.8585W	78	
Braida Crags	BCZ	South Island,New Zealand	46.0067S	167.8400E	120	From 1990-05-27
Brajici-Budva	BUM	Montenegro	42.3007N	18.8936E	822	From 2003-06-02
Branch Mountain	BCH	California,U.S.A.	35.1850N	120.0840W	1140	From 1976-08-01
Brandywine Creek State Park	BWD	Delaware,U.S.A.	39.7994N	75.5767W	62	From 1985-02-01
Brankovina	VVOS	Serbia	44.3518N	19.9047E	0	
Brasilia	BDFB	Distrito Federal,Brazil	15.6412S	48.0141W	1095	From 1993-06-01
Brasilia	BAE	Distrito Federal,Brazil	15.8411S	47.8200W	1200	From 1968-01-03 to 1970-12-21
Brasilia Array	BCS*	Distrito Federal,Brazil	15.7660S	48.0388W	1255	From 1966-11-17 to 1970-12-21
Brasilia Array Centre Point	BAO	Distrito Federal,Brazil	15.6349S	47.9915W	1211	
Brasilia Array Site E1	BAE1	Distrito Federal,Brazil	15.6426S	47.9689W	1170	
Brasilia Array Site E2	BAE2	Distrito Federal,Brazil	15.6501S	47.9469W	1110	
Brasilia Array Site E3	BAE3	Distrito Federal,Brazil	15.6569S	47.9261W	1150	
Brasilia Array Site E4	BAE4	Distrito Federal,Brazil	15.6642S	47.9031W	1258	
Brasilia Array Site E5	BAE5	Distrito Federal,Brazil	15.6725S	47.8809W	1260	
Brasilia Array Site EE	BAEE	Distrito Federal,Brazil	15.7386S	47.6200W	1200	From 1971-01-01
Brasilia Array Site S1	BAS1	Distrito Federal,Brazil	15.6561S	47.9997W	1145	
Brasilia Array Site S2	BAS2	Distrito Federal,Brazil	15.6779S	48.0070W	1060	
Brasilia Array Site S3	BAS3	Distrito Federal,Brazil	15.6986S	48.0146W	1120	
Brasilia Array Site S4	BAS4	Distrito Federal,Brazil	15.7191S	48.0223W	1140	
Brasilia Array Site S5	BAS5	Distrito Federal,Brazil	15.7420S	48.0304W	1150	
Brasilia Array Site SE	BASE	Distrito Federal,Brazil	15.9572S	48.0706W	1200	From 1971-01-01
Brasilia Array Site W1	BAW1	Distrito Federal,Brazil	15.6282S	48.0129W	1150	
Brasilia Array Site W2	BAW2	Distrito Federal,Brazil	15.6214S	48.0186W	1200	
Brasilia Array Site W3	BAW3	Distrito Federal,Brazil	15.6126S	48.0575W	1265	
Brasilia Array Site W4	BAW4	Distrito Federal,Brazil	15.6053S	48.0794W	1200	From 1971-01-01
Brasilia Array Site WE	BAWE	Distrito Federal,Brazil	15.5909S	48.1139W	1340	From 1971-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
BRASILIA INFRASONIC ARRAY REFERENCE POINT	I09BR	Distrito Federal	15.6380S	48.0164W	1185	From 2001-06-20
Brasilia (W)	BDF	Distrito Federal,Brazil	15.6638S	47.9033W	1260	From 1970-12-22
Brasopolis	BRAS	Minas Gerais,Brazil	22.5353S	45.5854W	1850	From 1986-03-12
Brasstown Bald	BBG	Georgia,U.S.A.	34.8740N	83.8110W	1355	From 1982-01-27 to 2008-02-13
Bratislava	BRA	Slovakia	48.1683N	17.1050E	270	
Bratislava	ZST	Slovakia	48.1961N	17.1025E	250	From 1976-07-01
Bratogost	BRY	Montenegro	42.9016N	18.5389E	1407	From 1983-12-25
Braunhartsberg	BHBD	Baden-Wurttemberg,Germany	48.2474N	9.0042E	933	From 1982-01-01
Brava--Cachaco	BCCH	Cape Verde Islands	14.8322N	24.6936W	660	
Breckenridge Mountain	WBMM	California,U.S.A.	35.4510N	118.5830W	2292	
Bredaryd	BYD	Sweden	57.0590N	13.1630E	152	From 1980-01-01 to 1991-12-31
Bredtraesk	BREU	Sweden	63.8908N	18.5777E	100	From 2000-04-28
Breislack	LKG	Guadeloupe	16.0447N	61.6583W	1380	
Bremgarten	BREM	Baden-Wurttemberg,Germany	47.9111N	7.6274E	210	From 2001-01-24
Bremner River	BMRM	Alaska,U.S.A.	60.9682N	144.6030W	823	From 1979-09-12
Brentwood	TBW	England,United Kingdom	51.6549N	0.2911E	82	From 1989-01-01
Bressanone	BRES	Italy	46.6987N	11.7341E	2454	From 2002-05-01
Brest	BST	Bretagne,France	48.3020N	4.0627W	288	From 1983-03-01
Brest	NE54	Belarus	52.5680N	23.8610E	200	
Brettingsstaoir	IBRE	Iceland	66.1230N	17.9100W	41	From 2001-01-25
Brewton	BO-	Alabama,U.S.A.	31.1697N	86.8597W	76	From 1965-12-02 to 1965-12-13
Brewton	BO-AL	Alabama,U.S.A.	31.1697N	86.8597W	76	From 1965-12-02 to 1965-12-13
Brewton	BRAL	Alabama,U.S.A.	31.0114N	87.0568W	61	
Brezje pri Sen	KBZS	Slovenia	45.9400N	15.4390E	217	
Brgy, Tapao	SIPP	Philippines	17.9230N	120.4580E	56	From 2006-10-01
Briangon	OG15	Provence-Cote d'Azur,France	44.9113N	6.6487E	1985	From 1993-01-20
Briano	GRDB	Italy	45.7095N	10.6661E	997	From 2011-06-01
Bricherasio	BHB	Italy	44.8417N	7.2633E	530	From 1990-05-17 to 2009-09-30
Brid	BRIU	Ukraine	48.3380N	23.0203E	167	From 2005-05-26
Bridge Bay	YPBR	Wyoming,U.S.A.	44.5367N	110.4395W	2383	
Bridge Creek, Tuttle	W34A	Oklahoma,U.S.A.	35.2352N	97.7733W	428	From 2009-10-26
Bridgeport	BPT	Connecticut,U.S.A.	41.2221N	73.2422W	83	From 1972-01-07 to 1977-06-10
Bridger	G20A	Montana,U.S.A.	45.2202N	108.2141W	1431	From 2008-08-14
Brienza	BRIE	Italy	40.4966N	15.6153E	980	
Brig	BRI	Switzerland	46.3153N	7.9956E	708	
Brigand Hill	TBH	Trinidad and Tobago	10.4840N	61.0670W	199	From 1978-04-11
Brigerbad	BIBA	Switzerland	46.3025N	7.9304E	660	From 2009-10-01
Brigham City	BCUT	Utah,U.S.A.	41.5123N	111.9822W	1676	
Brigham Young University	BYU	Utah,U.S.A.	40.2531N	111.6491W	1420	
Brimhall	V20A	New Mexico,U.S.A.	35.7992N	108.4662W	1889	From 2008-02-16 to 2010-02-07
Brimstone Hill	BSK	St Kitts,Saint Kitts and Nevis	17.3470N	62.8400W	125	From 1980-07-09
Brinkman Farms, Chinook	B19A	Montana,U.S.A.	48.4551N	108.9443W	803	From 2008-09-03 to 2010-07-18
Brinnon	C04A	Washington,U.S.A.	47.7172N	122.9718W	53	From 2005-10-22 to 2008-02-18
Brione	BIE	Italy	45.8828N	10.8739E	360	From 1981-06-15
Briones	BRIB	California,U.S.A.	37.9189N	122.1518W	219	
Brisbane	SBRN	California,U.S.A.	37.6856N	122.4113W	-157	
Brisbane	BRS	Queensland,Australia	27.3917S	152.7750E	525	From 1963-01-01
Brisbane	BRSB	Australia	27.4781S	153.0311E	15	From 1937-09-01 to 1963-12-31
Brisbane 2 Soft	BN2S	Queensland,Australia	27.3293S	153.0477E	8	From 2009-01-01
Brisbane hardrock	BR1	Queensland,Australia	27.4306S	153.0237E	100	
Brisbane softrock	BR2	Queensland,Australia	27.4314S	153.0693E	100	
BRISIGHELLA	BRIS	Italy	44.1499N	11.5107E	260	From 2010-05-26
Brite Ranch	MT4	Texas,U.S.A.	30.2731N	104.5700W	1469	From 1977-06-01 to 2003-01-28
Broad Law	EBL	Scotland,United Kingdom	55.7733N	3.0436W	365	From 1969-01-01
Broad Pass	BDP	Alaska,U.S.A.	63.2312N	149.2590W	709	From 1971-08-01 to 1976-09-30
Brockman Farm, Red Cloud	O32A	Nebraska,U.S.A.	40.2610N	98.2764W	579	From 2009-09-14
Brocks Farm	BSCP	California,U.S.A.	32.7248N	115.0440W	43	
Brockton	B23A	Montana,U.S.A.	48.4643N	104.9909W	716	From 2008-09-17 to 2010-07-15
Brognaturo	ME04	Italy	38.5928N	16.3576E	907	From 2007-10-21 to 2008-06-29
Brojen	IBRJ	Iran	31.9080N	51.2600E	2354	From 1985-01-01
Broken Hill	BHA	Zambia	14.4467S	28.4683E	1206	
Bromley	BRUT	Utah,U.S.A.	40.6230N	111.8790W	1337	From 1990-08-22
Bronaber	WBR	Wales,United Kingdom	52.8560N	3.8941W	340	From 1985-01-01
Bronson	340A	Texas,U.S.A.	31.4167N	93.8896W	57	From 2010-02-19
Bronte	231A	Texas,U.S.A.	31.9353N	100.3163W	574	From 2009-03-01
Brookfield	BCT	Connecticut,U.S.A.	41.4933N	73.3839W	69	From 1975-06-10 to 1999-01-31
Brookside Elementary School	BRKS	Washington,U.S.A.	47.7555N	122.2884W	100	
Brooks Peninsula	BPBC	British Columbia,Canada	50.1572N	127.7710W	732	From 1991-10-01
Brookwood Res.	CBWM	California,U.S.A.	37.9242N	122.1070W	221	From 1971-04-28
Brookwood Reservoir	BKC	California,U.S.A.	37.9242N	122.1070W	221	From 1971-04-28
Brophy Road	ABRM	California,U.S.A.	39.1352N	121.4870W	24	From 1977-02-14
Browne	BWN	Alaska,U.S.A.	64.1717N	149.4650W	365	From 1989-09-19
Brownlee Dam	BDID	Idaho,U.S.A.	44.7983N	116.8850W	1400	From 1990-07-01
Brown Mountain	BRTN	Tennessee,U.S.A.	36.3567N	82.8678W	630	From 1986-06-05
Brown Peak	BRPK	Alaska,U.S.A.	54.6455N	163.7408W	393	
Brown Place, Jackson	J17A	Wyoming,U.S.A.	43.3629N	110.7118W	1975	From 2007-10-25 to 2009-05-16
Bruarjokull	IBRU	Iceland	64.8290N	16.0880W	746	From 2004-12-29
Bruce Peninsula	BRCO	Ontario,Canada	44.2437N	81.4423W	273	
Bruguera	CBRU	Spain	42.2855N	2.1801E	1327	
Bruguera	BRUG	Spain	42.2830N	2.1860E	1300	
Brunswick	BRWK	Victoria,Australia	37.7608S	144.9493E	9	From 2008-09-20
Brunts Corner	BTCC	California,U.S.A.	33.0121N	115.2199W	39	
Bruntsheil	BBH	Scotland,United Kingdom	55.1333N	2.9299W	216	
Bruslee	BSLQ	Queensland,Australia	20.8670S	146.5640E	185	From 1984-03-02
Bryant	B05A	Washington,U.S.A.	48.2641N	122.0960W	154	From 2005-11-30 to 2008-02-20
Bryant College	BRYW	Connecticut,U.S.A.	41.9178N	71.5388W	380	
Bryant Ranch, Stanton	229A	Texas,U.S.A.	31.9671N	101.8107W	804	From 2009-02-09
Bryn Du	SBD1	Wales,United Kingdom	52.9055N	3.2585W	489	From 1980-01-01
Bryson	PBYM	California,U.S.A.	35.8150N	121.0820W	335	
Bsor	BSO	Israel	31.2670N	34.4850E	140	From 1983-01-01 to 1991-12-31
Bua	MBU	Fiji	16.9728S	178.7217E	549	From 1981-11-01
Buan	KSPUA	South Korea	35.7226N	126.7178E	11	From 2000-02-13
Buaraba 3	WBAQ	Queensland,Australia	27.3527S	152.3082E		From 1984-07-06
Bucak	BCK	Turkey	37.4608N	30.5890E	860	From 1973-05-18
Bucaramanga	BCR	Colombia	7.0194N	73.1764W	750	From 1972-10-01 to 1980-12-31
Bucaramanga	BMG	Colombia	7.0717N	73.0753W	1000	
Buchan	BUCN	Victoria,Australia	37.5287S	148.0976E	250	
Buchan	BUV	Victoria,Australia	37.4983S	148.1680E	100	From 1964-01-01 to 1966-12-31
Buchanan	BIPS	New York,U.S.A.	41.2678N	73.9473W	24	
Buchanan	D30A	North Dakota,U.S.A.	47.1082N	98.7576W	465	From 2009-08-07
Bucharest	BUC2	Romania	44.3479N	26.0281E	77	From 1977-04-01
Bucharest	BUC	Romania	44.4136N	26.0967E	82	
Bucharest	BUC1	Romania	44.3479N	26.0281E	77	From 1977-04-01
Bucharest-Childs Park	BAPR	Romania	44.4059N	26.1190E	103	From 2003-11-06
Bucharest-Geological Museum	BGMR	Romania	44.4553N	26.0851E	123	From 1997-11-13
Bucharest-Geotec Company	BTMR	Romania	44.4370N	26.1067E	140	From 2001-01-10
Bucharest-INCERC-borehole	BBIR	Romania	44.4411N	26.1618E	-88	From 2002-10-29 to 2008-11-28
Bucharest-INCERC-Test Bldg	RBAR	Romania	44.4409N	26.1624E	115	From 2004-05-10 to 2008-11-28
Bucharest-Old Court	BVCR	Romania	44.4301N	26.1017E	112	From 2001-01-17
Bucharest-Scientist's House	BSTR	Romania	44.4457N	26.0984E	125	From 2000-10-31
Bucharest-Stefan cel Mare Str.	BLHR	Romania	44.4525N	26.1122E	149	From 2001-05-08
Buchberg	BUB	Switzerland	47.7490N	8.6030E	740	From 1971-12-01 to 1980-11-10
Buchs, Altendorf	SBUA2	Switzerland	47.1591N	9.4710E	464	From 2011-05-01
Buchserberg Malbun	SBUB	Switzerland	47.1459N	9.4342E	1371	From 2010-08-25
Buckhannon	BZ-	West Virginia,U.S.A.	38.7983N	80.3494W	457	
Buckhannon	BZ-WV	West Virginia,U.S.A.	38.7983N	80.3494W	457	
Buckingham	BU-	Quebec,Canada	45.7675N	75.5403W	183	From 1962-07-24 to 1962-10-05
Buckingham	BU-QB	Quebec,Canada	45.7675N	75.5403W	183	From 1962-07-24 to 1962-10-05
Buck Lake	BUKO	Ontario,Canada	45.4423N	79.3989W	317	
Buckleboo	BBOO	South Australia,Australia	32.8102S	136.0588E	321	From 1995-12-08
Bucklebury West	BUW	England,United Kingdom	51.4094N	1.2244W	125	
Buck Mountain	BUCK	Oregon,U.S.A.	44.1973N	122.9862W	964	
Buckrabanyule	BUCM	Victoria,Australia	36.2384S	143.4981E	200	
Bucksport	BPM	Maine,U.S.A.	44.6317N	68.7893W	80	
Buco	VBU	Luzon,Philippines	14.0870N	120.9870E		
Bucovina Array	BURAR	Romania	47.6148N	25.2168E	1150	
Bucovina Ar. Site	BUR05	Romania	47.6326N	25.2175E	1182	
Bucovina Ar. Site	BUR08	Romania	47.6440N	25.2002E	1214	
Bucovina Ar. Site	BUR06	Romania	47.6169N	25.2444E	1211	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bucovina Ar. Site	BUR04	Romania	47.6182N	25.2122E	1160	
Bucovina Ar. Site	BUR03	Romania	47.6085N	25.2178E	1202	
Bucovina Ar. Site	BUR09	Romania	47.6164N	25.1902E	1253	
Bucovina Ar. Site	BUR02	Romania	47.6187N	25.2209E	1142	
Bucovina Ar. Site	BUR07	Romania	47.6426N	25.2324E	1230	
Bucovina Ar. Site	BUR01	Romania	47.6147N	25.2167E	1149	
Bucures@17ti--IRSA	BUCF	Romania	44.5018N	26.1416E	83	
BUCURESTI	SGEB	Romania	44.3812N	26.1369E	80	From 2008-10-29
Bucuresti-Nicolae Titulescu	DTIR	Romania	44.4527N	26.0717E	91	From 2008-11-20
Budapest	BUD	Hungary	47.4836N	19.0239E	196	
Budderoo	BUDM	New South Wales,Australia	34.6763S	150.6707E	604	
Budock Water	CBW1	England,United Kingdom	50.1482N	5.1144W	94	From 1981-01-01
Budoia	BDO	D'Entrecasteaux Islands,Papua New Guinea	9.6789S	150.8490E	1	From 1969-07-23 to 1969-07-28
Budva	BDV	Montenegro	42.2834N	18.8279E	385	From 1983-12-25 to 2003-06-02
Buenavista	BUE	Veracruz,Mexico	19.4380N	96.5590W	200	
Buena Vista	BUEV	Costa Rica	10.7982N	85.4070W	807	From 2000-01-01
Buena Vista	BUS	Costa Rica	9.5553N	83.7583W	3487	
Buena Vista	BVA	Guatemala	14.6667N	90.6373W	2262	From 1973-03-01
Buenos Aires	BUAY	Trinidad and Tobago	10.1072N	61.6862W		
Buenos Aires	BAA	Buenos Aires,Argentina	34.5917S	58.4833W	25	
Buffalo	BUF	New York,U.S.A.	42.9255N	78.8528W	195	From 1912-01-01
Buffalo Canyon	BFC	Nevada,U.S.A.	38.8940N	119.6080W	1734	From 1978-01-01
Buffalo-Larkin	BFF	New York,U.S.A.	42.8475N	78.6442W	230	From 1951-03-01 to 1999-08-25
Buffalo Meadows, Empire	N06A	Nevada,U.S.A.	40.7484N	119.8346W	1341	From 2006-07-12 to 2008-04-14
Buffelsbos	BUFB	Cape Province,South Africa	34.1510S	24.7420E	109	From 2008-09-24
Buffelsfontein	BFS	Transvaal,South Africa	26.8983S	26.7850E	1310	From 1983-01-01 to 2000-09-01
Buffelsfontein	BFSD	Transvaal,South Africa	26.8650S	26.7860E	1374	From 2008-04-07
Buffer Zone	CBZL	California,U.S.A.	37.6917N	121.7160W	175	From 1989-02-07
Buga	BUGC	Colombia	3.8933N	76.2569W	1200	
Buhlerhohe	BUH	Baden-Wurttemberg,Germany	48.6755N	8.2284E	750	From 1967-02-01
Buia	BUA	Italy	46.2183N	13.1233E	320	From 1977-05-06
Buia	BUII	Italy	46.2183N	13.1233E	320	From 1977-05-06
Bujalance, Cordoba	E022	Spain	37.9010N	4.3819W	292	From 2007-09-25 to 2009-06-24
Bukit Timah Dairy	BTDF	Singapore	1.3608N	103.7729E	64	
Bulawayo	BUL	Zimbabwe	20.1433S	28.6133E	1341	From 1958-01-31
Bulawayo	BLWY	Zimbabwe	20.1400S	28.6100E	1348	
Bulengo	BULE	Congo (Kinshasa)	1.6280S	29.1380E	1480	
Bulgan	BLGM	Mongolia	48.7900N	103.5300E	1210	
Bulgheria - Camerota	BULG	Italy	40.0783N	15.3776E	815	From 2006-08-07
Bullion Camp, Hudson Bay	BULN	Nunavut,Canada	66.3971N	93.1252W	330	From 2006-08-17
Bull Mountain	BMBC	British Columbia,Canada	56.0450N	122.1310W	1100	
Bull Run Dam	BULL	Oregon,U.S.A.	45.4461N	122.1547W	222	
Bulochka	BLCS	Kamchatskaya Oblast',Russia	53.1930N	158.7940E	500	
Bulolo	BLLO	Papua New Guinea	7.2020S	146.6200E	700	From 1988-06-10
Bulukumba	BKSI	Sulawesi,Indonesia	5.3219S	120.1224E	0	From 2007-12-01
Bulusan	VBN	Luzon,Philippines	12.7320N	124.0250E		
Bumble Bee	BBUT	Utah,U.S.A.	40.7455N	112.0112W	1291	
Bunker Hill	BKHT	Tennessee,U.S.A.	35.5320N	83.9360W	843	From 1983-11-10
Bunkhouse Ranch, Marshall	139A	Texas,U.S.A.	32.6795N	94.3927W	59	From 2010-04-30
Bunnythorpe	BUN	North Island,New Zealand	40.2833S	175.6350E	60	From 1932-10-01 to 1968-10-31
Buntu Taipa	BUNI	Sulawesi,Indonesia	3.6578S	120.3230E	240	
Bunyan	BNN	Turkey	38.8520N	35.8460E	1350	
Burakin	WA4	Western Australia,Australia	30.6019S	117.2250E	320	From 1986-04-22
BURAR	BUR32	Romania	47.6330N	25.1805E	1328	From 2008-01-11
BURAR	BUR33	Romania	47.6351N	25.2008E	1249	From 2008-01-11
Burdekin Lookout	BURD	Queensland,Australia	20.6232S	147.1218E	291	
Burdett	R31A	Kansas,U.S.A.	38.2888N	99.5271W	667	From 2009-05-17
Bureau des Mines et l'Energie	NQBME	Haiti	18.5627N	72.2968W	84	
Burgeitz	BGG	Rheinland-Pfalz,Germany	50.2060N	7.3372E	140	From 1977-05-02
Burj al 'Arab	HBRG	Egypt	30.5743N	29.8393E	118	
Burke	BUI	Idaho,U.S.A.	47.4650N	115.7820W	590	
Burlington	RD01	Ontario,Canada	43.4109N	79.8356W	142	
Burlington	BUO	Ontario,Canada	43.3617N	79.7450W	88	From 1979-12-12 to 1980-05-01
Burlington	BUR	Vermont,U.S.A.	44.4800N	73.1967W	100	From 1932-12-01 to 1956-12-31
Burma	BURJ	Jordan	32.2418N	35.8042E	1045	From 1983-09-01
Burn	BUWY	England,United Kingdom	53.7429N	1.0665W	5	
Burnet	434A	Texas,U.S.A.	30.8142N	98.2690W	462	From 2009-11-08
Burnie High School	BNE	Tasmania,Australia	41.0625S	145.8653E	70	
Burns	BURN	Oregon,U.S.A.	43.5731N	119.1303W	1615	
Burnside Ranch, Stapleton	M29A	Nebraska,U.S.A.	41.4441N	100.6892W	952	From 2009-05-12
Burnt Mountain Array Beam Reference Point	BMAR	Alaska,U.S.A.	67.4289N	144.5807W	756	
Burnt Mountain Array Site 1	BM01	Alaska,U.S.A.	67.4507N	144.5273W	463	
Burnt Mountain Array Site 2	BM02	Alaska,U.S.A.	67.4297N	144.4915W	5296	
Burnt Mountain Array Site 3	BM3	Alaska,U.S.A.	67.4192N	144.6070W	802	From 1993-07-01
Burnt Mountain Array Site 4	BM04	Alaska,U.S.A.	67.4181N	144.5584W	516	
Burnt Mountain Array Site 5	BM05	Alaska,U.S.A.	67.4289N	144.5807W	756	
Burnt Peak	BTPC	California,U.S.A.	34.6823N	118.5740W	1702	
Burrinjuck	BJEM	Australian Capital Territory,Australia	34.9505S	148.6460E	400	
Burrinjuck Dam	BJDM	Australian Capital Territory,Australia	35.0041S	148.5819E	380	
Burton Butte	BUOR	Oregon,U.S.A.	42.2785N	122.2453W	1797	
Burvik	BURU	Sweden	64.5836N	21.3769E	100	From 2000-09-01
Burwash Landing	BH-	Yukon Territory,Canada	61.3706N	139.1414W	861	From 1965-10-16 to 1965-11-15
Burwash Landing	BH-YK	Yukon Territory,Canada	61.3706N	139.1414W	861	From 1965-10-16 to 1965-11-15
Busan	KSBUS	South Korea	35.2486N	129.1125E	92	From 2001-12-28
Busan_acc	KSBSA	South Korea	35.1048N	129.0319E	0	From 2007-12-12
Bush Stream	BSP	South Island,New Zealand	43.8706S	170.1040E	750	From 1975-06-01 to 1983-11-21
Bushy Park	BSZ	North Island,New Zealand	39.7987S	174.9310E	150	From 1990-06-01 to 2003-12-14
Busso	BSSO	Italy	41.5461N	14.5938E	1010	From 2005-01-17
Butare	BTR	Rwanda	2.6167S	29.7333E	1648	
Butare	AST	Rwanda	2.6167S	29.7333E	1648	
Butcher Ranch, Price	P17A	Utah,U.S.A.	39.4730N	110.7400W	1687	From 2007-07-14 to 2009-05-21
Butembo	BTC	Congo (Kinshasa)	0.1333N	29.2667E	1720	From 1969-01-01
Butler Butte	BBOR	Oregon,U.S.A.	42.8868N	122.6796W	1671	From 1992-06-01
Butler Peak	BTL	California,U.S.A.	34.2572N	117.0030W	2526	
Butner	BUNC	North Carolina,U.S.A.	36.1764N	78.7631W	122	
Buton	BTNI	Sulawesi,Indonesia	5.0000S	122.9170E		
Butte	F15A	Montana,U.S.A.	45.8409N	112.4929W	1995	From 2006-10-27 to 2009-07-10
Butte	BUT	Montana,U.S.A.	46.0133N	112.5630W	1758	
Butte a Klehm	BKM	Vanuatu	17.6683S	168.2430E	270	
Butte Creek Rim	LBCM	California,U.S.A.	40.8368N	121.3499W	1525	
Butterfield Farm, Chambers	L31A	Nebraska,U.S.A.	42.1760N	98.8387W	670	From 2009-09-10
Buttle Lake	BTB	British Columbia,Canada	49.4683N	125.5210W	1640	From 1984-09-01
Butuan	BUTP	Mindanao,Philippines	8.9690N	125.6210E	68	
Butuan	BTN	Mindanao,Philippines	8.9333N	125.5330E	2	From 1914-01-01 to 1943-12-31
BUYEO	KSBUY	South Korea	36.2683N	126.9204E	11	From 2006-11-24
Buynaksk	BUJR	Dagestan,Russia	42.8250N	47.1083E	480	
Buyukada	BUY	Turkey	40.8523N	29.1181E	100	From 2001-03-01
Buyukada	BADT	Turkey	40.8523N	29.1175E	175	
Buzau	BUZR	Romania	45.1503N	26.8095E	139	From 2006-07-28
Buzias	BZS	Romania	45.6167N	21.6167E	260	
Buzzard Lagoon Road	JBZM	California,U.S.A.	37.0178N	121.7860W	213	From 1975-10-07
Buzz No.'s Place	BZNA	California,U.S.A.	33.4915N	116.6670W	1301	
Byrd	BYR	Marie Byrd Land	80.0167S	119.5170W	1515	From 1957-01-01 to 1969-01-31
Byrd (S.R.I.)	BSA	Marie Byrd Land	80.0055S	119.0430W	1449	
Byrd--Stanford Research Institute	BYA	Marie Byrd Land	80.0096S	119.4810W	1453	
Byrd--Stanford Research Institute	BY1	Marie Byrd Land	80.0055S	119.0430W	1449	
Byrd--Stanford Research Institute	BY2	Marie Byrd Land	80.0773S	119.6830W	1449	
Byrd--Stanford Research Institute	BY3	Marie Byrd Land	79.9456S	119.7180W	1452	
Byron Hot Springs	CBSM	California,U.S.A.	37.7968N	121.6460W	279	
Bystrovka, Novosibirskaya Oblast', Russia	BSTK	Novosibirskaya Oblast'	54.5677N	82.6535E	118	From 2003-04-10
Bytom	BYT	Poland	50.3622N	18.9144E	283	From 1960-01-01 to 1972-01-01
Byxelkrok	BYXU	Sweden	57.2899N	17.0083E	10	From 2002-11-05
C@19adrg	CADS	Slovenia	46.2280N	13.7369E	700	From 2003-10-01
C@19res@19njevec Ostr	CRES	Slovenia	45.8260N	15.4569E	431	
Ca@14lilabad	GLBA	Azerbaijan	39.2420N	48.3930E	147	From 2003-08-01
Cabagna-an	VCB	Negros,Philippines	10.3620N	123.1170E	550	
Caballo Blanco	CABA	Venezuela	7.8558N	71.5022W	1600	From 1984-01-01
Cabbage Hill	CHOR	Oregon,U.S.A.	45.5908N	118.5790W	1076	
Cabildo	CBCH	Coquimbo,Chile	32.4269S	71.0689W	175	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cabo de Gata	ACBG	Spain	36.7687N	2.1938W	64	
Cabonga Reservoir	CBRQ	Quebec,Canada	47.3091N	76.4707W	307	
Cabo Pasado	CABP	Ecuador	0.3865S	80.4287W	125	From 2009-04-08
Caborca	CBS	Sonora,Mexico	30.7283N	112.1600W	300	From 1972-07-30
Cabo Rojo, PR	CRPR	Puerto Rico	18.0064N	67.1096W	4	From 2005-03-08
Cabramurra	CBR	New South Wales,Australia	35.9433S	148.3930E	1537	From 1972-08-09
Cabramurra	CAB	New South Wales,Australia	35.9267S	148.4330E	1610	From 1959-01-01 to 1972-08-09
Cabrayil	DZB	Azerbaijan	39.4100N	47.0300E	680	From 1981-01-01 to 1993-01-01
Cabril	PCAB	Portugal	41.7102N	8.0270W	577	
Cacacuatique	CAHU	El Salvador	13.7707N	88.2110W	1682	
Cacapava Do Sul	CPSB	Rio Grande do Sul	30.4055S	53.4395W	227	
Cache Creek	CK-	British Columbia,Canada	50.8253N	121.3278W	518	From 1962-07-22 to 1962-10-05
Cache Creek	CK-BC	British Columbia,Canada	50.8253N	121.3278W	518	From 1962-07-22 to 1962-10-05
Cachucha Ranch	CCN	New Mexico,U.S.A.	36.8333N	106.8330W		
Cack Lake	CLSB	British Columbia,Canada	52.7587N	122.5551W	792	From 2006-09-02
Caconde	CACB	Sao Paulo,Brazil	21.6802S	46.7326W	1381	From 1993-03-01
Cactus City	CTCC	California,U.S.A.	33.6552N	115.9901W	538	
Cactus Flat W	WCFM	California,U.S.A.	36.2083N	117.9040W	1384	From 1975-09-26
Cactus Flat West	CFWM	California,U.S.A.	36.2083N	117.9040W	1384	From 1975-09-26
Cactus Peak	CTS	Nevada,U.S.A.	37.6565N	116.7251W	1877	From 1979-04-24 to 2002-10-10
Cactus Peak W	WCPM	California,U.S.A.	36.0710N	117.8500W	1494	From 1975-09-26
Cactus Peak West	CPTM	California,U.S.A.	36.0710N	117.8500W	1494	From 1975-09-26
Cadarache	CDR	Provence-Cote d'Azur,France	43.6750N	5.7669E	368	From 1962-01-10
Caddo, Fort Cobb	W33A	Oklahoma,U.S.A.	35.1518N	98.4686W	414	From 2009-10-27
Cadiz	EXCA	Spain	36.5230N	6.2850W	57	
Cady Mountains	CAD	California,U.S.A.	34.8167N	116.3330W		
Caete la Real, Malaga	E006	Spain	36.9491N	5.0446W	1039	From 2007-10-09 to 2009-06-23
Cafayete	FSA	Salta,Argentina	26.0923S	66.0128W	1736	
Cagayan de Oro	CGP	Mindanao,Philippines	8.4548N	124.6942E	50	From 1977-10-01
Cagayan Oro	OMP	Mindanao,Philippines	8.4550N	124.6940E	50	From 1977-10-01
Cagliari Citta	CCI	Sardinia,Italy	39.2208N	9.1172E	50	
Cagliari Serpeddi	CA2	Sardinia,Italy	39.3622N	9.2971E	1050	From 1978-06-01
Cagliari Serpeddi	CGL	Sardinia,Italy	39.3622N	9.2972E	1050	From 1978-06-01
Cagnes-sur-Mer	CAGN	Provence-Cote d'Azur	43.6670N	7.1460E	96	From 2003-06-26
Caguas	CAG	Puerto Rico	18.2394N	66.0353W	350	From 1974-08-16 to 1975-07-17
Cahill	CAHL	Alaska,U.S.A.	58.0525N	155.3015W	807	From 1996-08-01
Cahill Ridge	JCHM	California,U.S.A.	37.5170N	122.3760W	323	
Cahto Peak	KCPM	California,U.S.A.	39.6863N	123.5824W	1261	From 1979-11-09
Cahuilla Valley	CAHC	California,U.S.A.	33.5037N	116.6985W	1219	
Cahul	KGL	Moldova	45.9050N	28.2010E	48	
Caicara del Orinoco	CAOV	Venezuela	7.3260N	66.3220W	72	From 2002-10-03
Caico	CAI	Rio Grande do Norte,Brazil	6.5260S	37.1380W	190	From 1983-05-31
Caiguire	CAIV	Venezuela	10.4695N	64.1731W	40	From 1993-04-01
Cairn Curran	CCRM	Victoria,Australia	36.9906S	143.9722E	230	
Cairnmuir Flats	CFC	South Island,New Zealand	45.1842S	169.2922E	576	
Cairnmuir Mts	CMCZ	South Island,New Zealand	45.1492S	169.2750E	1039	From 1985-12-01 to 1996-04-30
Cairns-h acc only	CNS2	Queensland,Australia	16.9110S	145.7105E	50	
Cairns-h seis/acc	CNS1	Queensland,Australia	16.9541S	145.7359E	129	
Cairo Montenotte	CKI	Italy	44.4197N	8.2786E	350	From 1983-10-01 to 2002-02-07
Cajamarca	PP16	Peru	7.1300S	78.5160W	2750	
Cakiroluk	DNZL	Turkey	37.6897N	29.0464E	1716	From 2002-11-06
Calabasas	CALB	California,U.S.A.	34.1401N	118.6284W	276	From 1994-01-01 to 2002-12-31
Calabor	ECAL	Spain	41.9413N	6.7371W	950	
Calabrutti - M.te Cervialto	MCRV	Italy	40.7826N	15.1684E	1191	From 2005-07-10
Calachota	PP02	Peru	12.6273S	75.9783W	1655	
Calama	CAC	Antofagasta,Chile	22.4797S	69.0261W	2000	
Calar Alto	ACLR	Spain	37.1897N	2.5822W	1490	
Calaveras Res.	CALM	California,U.S.A.	37.4512N	121.7990W	265	From 1967-10-19
Calaveras Reservoir	CVR	California,U.S.A.	37.4512N	121.7990W	265	From 1967-10-19
Calcutta	CAL	West Bengal,India	22.5392N	88.3307E	6	
Caldarusani	CDB	Romania	44.6769N	26.2706E	85	From 1979-01-01 to 1999-08-25
Caldas Novas	COR2	Goias,Brazil	17.7433S	48.6892W	950	
Caldeira	CALA	Azores,Portugal	38.5814N	28.7019W	875	
Caldera	CLD	Atacama,Chile	27.0833S	70.9333W		
Caldera	CDCH	Atacama,Chile	27.0674S	70.8215W	25	From 2004-07-30
Caldiran	CLDR	Turkey	39.1431N	43.9170E	2087	From 2004-12-16
Caldwell Ranch, Toyah	326A	Texas,U.S.A.	31.3165N	103.9786W	982	From 2008-03-19 to 2010-02-14
Calebasse	PMCB	Martinique	14.7968N	61.1487W	730	
Calectric	CLTC	California,U.S.A.	34.0928N	117.3169W	325	
Caledonia Mountain	LMN	New Brunswick,Canada	45.8520N	64.8060W	363	From 1981-10-28
Calern	CALF	Provence-Cote d'Azur,France	43.7523N	6.9220E	1242	
Calern	CALN	Provence-Cote d'Azur,France	43.7522N	6.8894E	1430	From 1982-06-01
Calero Reservoir	CB2	California,U.S.A.	37.1908N	121.7650W	230	From 1968-10-01 to 1968-10-16
Caleta Bueno	CTBN	Antofagasta,Chile	22.4550S	70.2515W	169	From 2007-11-25
Caleta Campos	CCMX	Michoacan,Mexico	18.0533N	102.7500W		
Calhoun Falls	CHF	South Carolina,U.S.A.	34.0247N	82.5867W	152	From 1977-02-14 to 1989-04-30
CALICANTO	CLCV	Venezuela	10.2633N	67.5936W	554	From 2004-06-30
Calice al Cornoviglio	CALI	Italy	44.2413N	9.8348E	410	From 1995-04-01 to 2009-09-30
Calico Hills	CDH1	Nevada,U.S.A.	36.8631N	116.3148W	1407	From 1980-02-01 to 2002-10-10
Calico Hills	CDH5	Nevada,U.S.A.	36.8631N	116.3148W	1077	From 1980-02-01 to 2002-10-10
Caliente	CQ-NV	Nevada,U.S.A.	37.9042N	114.4708W	1804	
Calif City Airpt	CCAC	California,U.S.A.	35.1525N	118.0165W	710	
California City	CALC	California,U.S.A.	35.1035N	117.9480W	722	
California State, Hayward	CSH	California,U.S.A.	37.6575N	122.0530W	170	From 1972-01-01
Calipatria	CLIC	California,U.S.A.	33.1408N	115.5270W	-59	
Calistoga	CLS	California,U.S.A.	38.6367N	122.5850W	457	
Calitri	CLTR	Italy	40.9000N	15.4408E	670	
Callahan	M02C	California,U.S.A.	41.3920N	122.8538W	960	From 2005-06-30 to 2007-11-14
Callao Caves	CVP	Luzon,Philippines	17.7030N	121.8220E	60	From 1976-05-01
Calls Hollow Road	CHRY	New York,U.S.A.	41.2081N	74.2211W	183	
Cal Nev Ari	W12A	Nevada,U.S.A.	35.3010N	114.8701W	774	From 2006-03-25 to 2008-10-14
Cal Poly Pomona	CPPC	California,U.S.A.	34.0602N	117.8090W	205	
Calstate	BAKC	California,U.S.A.	35.3444N	119.1044W	116	
Cal. St., Hayward	CSHM	California,U.S.A.	37.6575N	122.0530W	170	From 1972-01-01
Caltabellotta	CLTB	Sicily,Italy	37.5786N	13.2156E	957	
Caltech Broad	CBCC	California,U.S.A.	34.1401N	118.1275W	239	
Caltech Cellar	CACC	California,U.S.A.	34.1368N	118.1220W	230	
Caltech--GSA	GSA	California,U.S.A.	34.1368N	118.1283W	234	
Caltech Rob'n Pit	CRPC	California,U.S.A.	34.1362N	118.1271W	233	
Calugareni	CGN	Romania	44.1667N	26.0000E	78	
Calvario	CALV	Ecuador	1.5220S	77.9088W	1180	From 1994-01-21
Calvi	CVF	Corse,France	42.5675N	8.8694E	530	From 1975-10-01 to 1989-11-13
Calviac	CAF	Midi-Pyrenees,France	44.9258N	2.0644E	630	From 1977-09-01
Calvinia	CVNA	Cape Province,South Africa	31.4822S	19.7617E	1050	From 2004-03-01
Calvinia	CVN	Cape Province,South Africa	31.4500S	19.7617E	1050	
Calx Mountain	CLX	Montana,U.S.A.	48.2084N	115.1330W	1975	
Camacho	PT10	Peru	12.0750S	76.9690W	274	From 1984-03-12
Camarillo Hills	CAMC	California,U.S.A.	34.2545N	119.0333W	268	
Camas Ranch	MFID	Idaho,U.S.A.	43.4151N	115.8278W	1302	
Cambria	PCBM	California,U.S.A.	35.5184N	121.0607W	164	
Cambridge	CAM	Massachusetts,U.S.A.	42.3833N	71.1167W	5	From 1908-01-01 to 1930-12-31
Cambridge Bay Array Beam Reference Point	CBAR	Northwest Territories,Canada	69.1266N	105.1120W	40	
Cambridge Bay Array Site 1	CB01	Northwest Territories,Canada	69.1760N	105.2093W		
Cambridge Bay Array Site 11	CB11	Northwest Territories,Canada	69.1509N	105.0547W		
Cambridge Bay Array Site 12	CB12	Northwest Territories,Canada	69.1371N	105.1172W		
Cambridge Bay Array Site 13	CB13	Northwest Territories,Canada	69.1183N	105.1862W		
Cambridge Bay Array Site 14	CB14	Northwest Territories,Canada	69.1305N	105.2570W		
Cambridge Bay Array Site 15	CB15	Northwest Territories,Canada	69.1426N	105.3316W		
Cambridge Bay Array Site 16	CB16	Northwest Territories,Canada	69.1722N	105.3412W		
Cambridge Bay Array Site 17	CB17	Northwest Territories,Canada	69.1991N	105.3583W		
Cambridge Bay Array Site 18	CB18	Northwest Territories,Canada	69.2125N	105.2905W		
Cambridge Bay Array Site 19	CB19	Northwest Territories,Canada	69.2322N	105.2324W		
Cambridge Bay Array Site 2	CB02	Northwest Territories,Canada	69.1939N	105.1457W		
Cambridge Bay Array Site 3	CB03	Northwest Territories,Canada	69.1620N	105.1299W		
Cambridge Bay Array Site 31	CB31	Northwest Territories,Canada	69.1266N	105.1120W		
Cambridge Bay Array Site 32	CB32	Northwest Territories,Canada	69.2420N	105.5848W		
Cambridge Bay Array Site 33	CB33	Northwest Territories,Canada	69.3894N	105.2630W		
Cambridge Bay Array Site 34	CB34	Northwest Territories,Canada	69.2688N	104.8210W		
Cambridge Bay Array Site 35	CB35	Northwest Territories,Canada	69.2628N	105.2073W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cambridge Bay Array Site 4	CB04	Northwest Territories,Canada	69.1483N	105.1999W		
Cambridge Bay Array Site 5	CB05	Northwest Territories,Canada	69.1592N	105.2594W		
Cambridge Bay Array Site 6	CB06	Northwest Territories,Canada	69.1885N	105.2779W		
Cambridge Bay Array Site 7	CB07	Northwest Territories,Canada	69.2033N	105.2156W		
Cambridge Bay Array Site 8	CB08	Northwest Territories,Canada	69.2228N	105.1513W		
Cambridge Bay Array Site 9	CB09	Northwest Territories,Canada	69.2125N	105.0797W		
Cambridge (NY)	CAMB	New York,U.S.A.	43.0488N	73.2967W	287	
Camerino	CIO	Italy	43.1950N	13.1440E	956	
Camerino	CMR	Italy	43.1333N	13.0667E		
Camlidere-ANKARA	CMDR	Turkey	40.4942N	32.4750E	1305	From 2011-08-05
CAMPBELL BAY	CMBY	Andaman Islands,India	7.0109N	93.9266E	10	From 2008-02-13
Campbell Island	CBZ	Campbell Island,New Zealand	52.5508S	169.1590E	30	From 1966-12-01 to 1990-02-25
Campbellpur	CBP	Pakistan	33.7325N	72.2302E		
Campbell River	CBB	British Columbia,Canada	50.0328N	125.3650W	317	From 1981-01-28
Camp Ben Lomond	JBLM	California,U.S.A.	37.1282N	122.1680W	792	From 1976-04-27
Camp Century	CCG	Greenland	77.1667N	61.1333W	1920	From 1962-11-30 to 1963-02-25
Camp Classen	CCOK	Oklahoma,U.S.A.	34.4577N	97.1556W	293	From 1994-08-10
Camp Creek Bald	CCNC	North Carolina,U.S.A.	36.0236N	82.7147W	1452	
Campeare	CAMV	Venezuela	10.5510N	63.3220W	1002	
Camp Elliot	CPE	California,U.S.A.	32.8889N	117.1051W	150	From 1972-11-01
Camp Elliot, Miramar	109C	California,U.S.A.	32.8889N	117.1051W	150	From 2004-05-04
Camp Garcia	CGV	Puerto Rico	18.1328N	65.3173W	130	From 1978-03-01 to 2002-10-10
Camp Murray	MURR	Washington,U.S.A.	47.1200N	122.5600W	10	
Campo	CP-	California,U.S.A.	32.7289N	116.3711W	1189	From 1961-10-01 to 1966-03-31
Campo	T27A	Colorado,U.S.A.	37.0614N	102.7214W	1366	From 2008-12-17
Campo	CP-CL	California,U.S.A.	32.7289N	116.3711W	1189	From 1961-10-01 to 1966-03-31
Campo Grande	CGTX	Texas,U.S.A.	31.3267N	105.7100W	1305	
Campone	CM6*	Sicily,Italy	38.2069N	15.4603E	0	From 1966-01-01 to 1967-01-01
Campora	CMPR	Italy	40.3181N	15.3030E	732	From 2005-10-13
Campos	CMPB	Brazil	21.7840S	41.4291W	56	
Campotosto	CAMP	Italy	42.5358N	13.4090E	1283	From 2003-10-06
Campotto Po	CMPO	Italy	44.5808N	11.8056E	2	From 2007-02-21
Camp Pendleton	CPT	California,U.S.A.	33.3025N	117.3400W	61	From 1975-01-01
Camp Six	KSXM	California,U.S.A.	41.8308N	123.8768W	1120	
Camp Six Broadband	KSXB	California,U.S.A.	41.8304N	123.8769W	1136	
Camp Tracy	CTU	Utah,U.S.A.	40.6925N	111.7503W	1731	
Campulung	CMP	Romania	45.2683N	25.0383E	598	From 1943-03-01
Campus Universitario de Almeria	AALM	Spain	36.8300N	2.4017W	10	
Camp Williams	CWU	Utah,U.S.A.	40.4459N	112.1020W	1945	From 1974-10-01
Camsell Lake	CAMN	Northwest Territories,Canada	63.7321N	110.8989W	420	
Canada Road	CDC	California,U.S.A.	37.0254N	121.4845W	300	From 1967-10-13
Canada Road	AN7*	California,U.S.A.	37.0254N	121.4845W	300	From 1967-10-13
Canada Road	HCAM	California,U.S.A.	37.0254N	121.4845W	300	From 1967-10-13
Canadian Museum of Nature	OTNM	Ontario,Canada	45.4121N	75.6891W	72	From 2003-06-11
Canakkale	CANB	Turkey	40.0167N	27.0624E	230	From 2004-10-02
Canale Monterano - RM	TO03	Italy	42.1280N	12.0482E	223	From 2008-05-14 to 2009-04-02
Canalobre	ACU	Spain	38.5114N	0.4106W	580	From 1985-03-01
Canberra	CAN	Australian Capital Territory,Australia	35.3208S	148.9990E	700	From 2006-08-20
Canberra Magnetic Observatory	CNB	Australian Capital Territory,Australia	35.3150S	149.3630E	850	
Candela	FG4	Italy	41.1319N	15.5175E	450	
Candelaria	PCAN	Azores,Portugal	38.4637N	28.4853W	400	
Candelaria	PCND	Azores,Portugal	38.4691N	28.4624W	650	From 2005-09-01
Candelaria	CANR	Nevada,U.S.A.	38.1097N	118.1932W	2015	
Candle	CDL	Alaska,U.S.A.	66.1140N	161.6570W	65	
Canebrake	CBKC	California,U.S.A.	32.8995N	116.2520W	414	
Cane Creek	CCAR	Arkansas,U.S.A.	33.9172N	91.7716W	72	
Canela	CNLB	Rio Grande do Sul	29.3143S	50.8527W	705	
Caneva	CAE	Italy	46.0067N	12.4367E	870	From 1983-04-23
Canfield Road	NCFM	California,U.S.A.	38.3213N	122.7960W	98	From 1970-08-14
Canisius	CANY	New York,U.S.A.	42.9255N	78.8528W	192	From 1978-12-01 to 1982-03-18
Cankiri	CANT	Turkey	40.6061N	33.6196E	815	
Canlaon	VCN	Negros,Philippines	10.3970N	123.2070E	590	
Cannet Maures	CMF	Provence-Cote d'Azur,France	43.3573N	6.3895E	152	
Canning Dam	CANN	Western Australia,Australia	32.1522S	116.1277E	135	
Cannon Point	CAW	North Island,New Zealand	41.1089S	175.0680E	330	
Canossa - RE	RE02	Italy	44.5672N	10.4673E	500	From 2008-12-28 to 2009-02-12
Canovanas	CBYP	Puerto Rico	18.2716N	65.8566W	606	
Canovanas	CBYB	Puerto Rico	18.3000N	65.8000W	550	
Cantantal	ACAN	San Luis,Argentina	32.2741S	67.1886W	634	
Canterbury Laser	CRLZ	South Island,New Zealand	43.5769S	172.6208E	30	
Cantone	ATCA	Italy	43.5659N	12.2661E	687	From 2010-05-18
Cantwell	CNA	Alaska,U.S.A.	63.3964N	148.9450W	700	From 1971-08-01 to 1976-09-30
Canyon Day Junior High, Whiteriver	Y18A	Arizona,U.S.A.	33.7776N	110.0341W	1512	From 2007-04-11 to 2009-02-05
Canyon Junction	CJW	Wyoming,U.S.A.	44.7343N	110.4980W	2395	From 1974-10-01 to 1999-08-25
Canyon Junction	YPCJ	Wyoming,U.S.A.	44.7438N	110.4975W	2426	
Canyonlands National Park, Moab	R18A	Utah,U.S.A.	38.3862N	109.8942W	1828	From 2007-06-16 to 2009-03-07
Capacho	CAPV	Venezuela	7.8650N	72.3140W	1800	From 2002-08-14
Cape Campbell	CCW	South Island,New Zealand	41.7508S	174.2170E	216	From 1981-02-19 to 2004-04-14
Cape Campbell	CMWZ	North Island,New Zealand	41.7492S	174.2138E	281	From 2003-12-10
Cape D'Aguilar	HKCD	Hong Kong,China	22.2092N	114.2597E	40	From 1997-04-23
Cape Darby	CDY	Alaska,U.S.A.	64.3475N	162.7840W	561	
Cape Douglas	CDA	Alaska,U.S.A.	58.9553N	153.5290W	386	From 1974-01-01 to 1981-08-16
Cape Douglas	CDD	Alaska,U.S.A.	58.9298N	153.6430W	622	From 1981-08-22
Cape Frico	AR7	Costa Rica	9.8503N	85.1164W	582	From 1976-05-15 to 1999-08-25
Cape Girardeau	CGM	Missouri,U.S.A.	37.3167N	89.5333W	134	From 1938-01-01
Cape Gloucester Airport	CGA	New Britain,Papua New Guinea	5.4500S	148.4200E	15	
Cape Good Hope	CGH	Cape Province,South Africa	33.9333S	18.4833E	13	
Cape Hallett	HLL	Victoria Land	72.3139S	170.2170E	2	From 1957-04-01 to 1964-10-31
Cape Kidnappers	CKHZ	North Island,New Zealand	39.6599S	177.0775E	209	From 2007-08-30
Cape Leeuwin Hydroacoustic Site W1	H01W1	Western Australia	34.8930S	114.1540E	-2598	From 2010-01-24
Cape Leeuwin Hydroacoustic Site W2	H01W2	Western Australia	34.8985S	114.1338E	-2662	From 2010-01-24
Cape Leeuwin Hydroacoustic Site W3	H01W3	Western Australia	34.8832S	114.1361E	-2578	From 2010-01-24
Cape Reinga	CRZ	North Island,New Zealand	34.4319S	172.6800E	140	From 1967-10-01 to 1999-08-25
Cape Romanzof	CPR	Alaska,U.S.A.	61.7900N	165.9550W		
Cape Saint James	SJB	British Columbia,Canada	51.9367N	131.0144W	100	From 1982-09-17
Cape San Juan	CSJ	Puerto Rico	18.3830N	65.6180W	66	From 1975-04-01 to 1999-08-25
Cape Sarichef	CSA	Alaska,U.S.A.	54.5944N	164.8750W	152	From 1970-11-28 to 1971-05-18
Capetown	KCTM	California,U.S.A.	40.4758N	124.3360W	409	
Cape Town	CTO	Cape Province,South Africa	33.9500S	18.4500E	100	
Cape Wrath	RCR	Scotland,United Kingdom	58.6240N	4.9986W	100	From 1995-09-10
Cape Yakataga	CYK	Alaska,U.S.A.	60.0830N	142.4850W	3	From 1989-01-01
Cape Yakataga	CYT	Alaska,U.S.A.	60.0744N	142.4110W	323	From 1978-08-08 to 1980-09-22
Cap Guir	CGR	Morocco	30.6300N	9.8800W	65	From 2001-06-02
Capitan	Y24A	New Mexico,U.S.A.	33.9257N	105.4361W	1827	From 2008-04-24
Capitol Peak	CPW	Washington,U.S.A.	46.9738N	123.1360W	792	From 1970-07-29
Capodimonte	CAP	Italy	40.8667N	14.2500E	129	
Capo Mulini Mare	SN1	Italy	37.5476N	15.3975E	-2065	From 2006-02-09
Capo Vaticano	CVI	Italy	38.5923N	15.9038E		From 1978-04-01
Capo Vaticano	CV6*	Sicily,Italy	38.6089N	16.8842E		From 1966-04-01 to 1966-05-01
Capps Glacier	CGLM	Alaska,U.S.A.	61.3077N	152.0070W	1082	
Capra Ranch	CAPCA	California,U.S.A.	33.3882N	117.1949W	285	
Caprese Michel	CRE	Italy	43.6197N	11.9508E	1170	From 1983-10-01
Capriano del Colle	LEOD	Italy	45.4582N	10.1234E	92	From 2007-07-18
Capriolo	CAPR	Italy	45.6372N	9.9345E	215	From 2006-05-31
Caprock	Z26A	New Mexico,U.S.A.	33.2716N	103.9798W	1163	From 2008-04-17
Cap Rock	CPRX	New Mexico,U.S.A.	33.0308N	103.8670W	1356	
Cap Spartel	CPS	Morocco	35.7910N	5.9100W	326	
Captain Cook	CPH	Hawaii,U.S.A.	19.4882N	155.9180W	323	From 1973-09-20
Capurgana	CAPC	Colombia	8.6040N	77.3573W	50	
Caracas	CAR	Venezuela	10.5070N	66.9280W	1035	From 1962-05-24
Carapelle Calvisio	RM27	Italy	42.3018N	13.6799E	947	From 2009-06-18 to 2009-08-31
Caraveli	CRV	Peru	15.7844S	73.3731W	1780	
Caravelle	CRM	Martinique	14.7537N	60.9155W	180	From 1973-01-01
Carcaliu	CFR	Romania	45.1780N	28.1362E	52	From 1977-03-01
Carcanieres	CARF	Midi-Pyrenees,France	42.7160N	2.1055E	1220	From 1998-07-10
Cardinia	CDNM	Victoria,Australia	37.9462S	145.4252E	252	
Cardoso	CRDM	Italy	44.0262N	10.4818E	370	From 2006-01-01
Carei	CEI	Romania	47.6850N	22.4585E	125	From 1979-01-01
Carey	J14A	Idaho,U.S.A.	43.3234N	113.5178W	1649	From 2007-08-11 to 2009-06-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cariacou	GRCU	Grenada	12.4711N	61.4529W	240	
Caribou	CBM	Maine,U.S.A.	46.9325N	68.1208W	250	From 1962-10-01 to 1994-12-31
Carife	CAFE	Italy	41.0280N	15.2366E	1070	From 2005-07-10
Carlentini	HCRL	Sicily,Italy	37.2830N	15.0320E	190	From 1994-05-01
Carlisle	CARL	Western Australia,Australia	31.9835S	115.9267E	2	From 2009-02-14
Carloforte	CRL	Sardinia,Italy	39.1333N	8.3167E	18	
Carlsbad	CLN	New Mexico,U.S.A.	32.4027N	103.7320W	1094	From 1974-04-05
Carlsbad	CLNB	New Mexico,U.S.A.	32.2642N	103.8790W	1045	
Carlsbad 2	CLN2	New Mexico,U.S.A.	32.3552N	103.7740W	1100	
Carlsbad 4	CLN4	New Mexico,U.S.A.	32.3533N	104.0290W	975	
Carlsbad 6	CLN6	New Mexico,U.S.A.	32.5208N	103.8790W	1100	
Carlsbad 7	CLN7	New Mexico,U.S.A.	32.4132N	103.8080W	1033	
Carlsbad E Tower	CBET	New Mexico,U.S.A.	32.4205N	103.9900W	1042	
Carlson Angus Ranch, Regent	E26A	North Dakota,U.S.A.	46.4712N	102.4621W	806	From 2009-06-11
Carlson Farm, Grass Valley	G06A	Oregon,U.S.A.	45.2357N	120.6351W	780	From 2006-08-15 to 2009-01-08
Carmanah Point Lighthouse	CPLB	British Columbia,Canada	48.6118N	124.7512W	40	
Carmen	CARM	Ecuador	0.2410S	79.4965W	2330	
Carmenet Vineyard	CVS	California,U.S.A.	38.3453N	122.4584W	295	
Carmichael	CRG	Guadeloupe	16.0542N	61.6592W	1370	
Carmignano	CRMI	Italy	43.7900N	10.9700E	490	From 2006-10-12
Carmo do Cajuru	CDCB	Minas Gerais,Brazil	20.2365S	44.7182W	880	From 1993-01-01
Carnagh Station	CNGZ	North Island,New Zealand	38.4855S	178.2072E	175	From 2007-12-02
Carnasaw Mountain Lookout Tower	CRO	Oklahoma,U.S.A.	34.1499N	94.5556W	302	From 1977-05-17 to 1980-07-23
Carnegie Institution of Washington	DTM	District of Columbia,U.S.A.	38.9567N	77.0644W	67	
Carney Farms, Richland	A22A	Montana,U.S.A.	48.9926N	105.9153W	861	From 2008-09-16 to 2010-07-15
Carnmenellis	CCA1	England,United Kingdom	50.1866N	5.2277W	210	From 1981-01-01
Carnsore Point	ECP	Ireland	52.1800N	6.3689W	5	From 1980-06-01 to 2002-01-06
Carolei	CARO	Italy	39.2540N	16.2190E	618	From 2006-08-07
CAROLEI	CAR1	Italy	39.2534N	16.2114E	679	From 2009-10-21
Carovilli	CII	Italy	41.7230N	14.3050E	910	
Carovilli	CRVI	Italy	41.7239N	14.3056E	910	
Carpegna, Italy	CPGN	Italy	43.8011N	12.3205E	1399	From 2008-12-10
Carpinone	CPI2	Italy	41.5853N	14.3186E	750	
Carquinez Bridge	CRQB	California,U.S.A.	38.0558N	122.2249W	-63	
Carr	N24A	Colorado,U.S.A.	40.8271N	104.8824W	1695	From 2008-07-08
Carrickbyrne, Co Wexford	IWEX	Ireland	52.3743N	6.7745W	179	
Carrickbyrne Hill	ECB	Ireland	52.3661N	6.7811W	125	From 1981-02-01
Carrizo Plain	CARC	California,U.S.A.	35.3082N	119.8458W	765	
Carrizo Plain	CRR	California,U.S.A.	32.8868N	115.9692W	66	From 1973-04-06
Carrot	PCA1	Scotland,United Kingdom	55.7007N	4.2550W	302	From 1983-01-01
Carruther's Hill	CASA	Cape Province,South Africa	34.6990S	19.5900E	187	
Cars	CARS	Ecuador	2.4357S	78.9482W	3940	
Carson	E27A	North Dakota,U.S.A.	46.4293N	101.5645W	738	From 2009-07-16
Carson Hill	MCHM	California,U.S.A.	38.0187N	120.5100W	475	From 1972-04-19
Carson Hill	CRH	California,U.S.A.	38.0187N	120.5100W	475	From 1972-04-19
Cartagena	CART	Spain	37.5868N	1.0012W	65	
Carters Dam	CDG	Georgia,U.S.A.	34.6108N	84.6713W		From 1975-01-01
Carthage	CTNY	New York,U.S.A.	43.9879N	75.6453W	187	From 2005-11-08 to 2007-06-27
Carthage	CRNM	New Mexico,U.S.A.	33.9525N	106.7340W	1662	
Cartuja	CRT	Spain	37.1900N	3.5956W	774	
Caruaru	CAUB	Pernambuco,Brazil	8.1768S	36.0093W	479	From 2002-02-07
Carupano	CRUV	Venezuela	10.6748N	63.2363W	20	From 1993-04-01
Carvers	Q09A	Nevada,U.S.A.	38.8340N	117.1816W	1703	From 2006-04-13 to 2008-03-22
Cary Ranch	CRY	California,U.S.A.	33.5654N	116.7373W	1128	
Caryville	CA-TN	Tennessee,U.S.A.	36.1444N	84.1897W	305	
Caryville	CA-	Tennessee,U.S.A.	36.1444N	84.1897W	305	
Casablanca	COBS	Spain	40.7141N	1.3573E	-160	From 2007-11-01
Casacalenda	CSCL	Italy	41.6948N	14.8320E	905	From 2002-11-28
Casa Diablo	DBOG	California,U.S.A.	37.6528N	118.9180W	2243	From 1984-07-01
Casa Diablo Hot Springs	MCSM	California,U.S.A.	37.6550N	118.9040W	2420	From 1982-08-05
Casa Diablo Mountain	CASR	California,U.S.A.	37.5748N	118.5520W	2170	From 1980-06-01
Casa Juvan	CJV	California,U.S.A.	34.5305N	118.1440W	1341	
Casalattico (FR)	T0203	Italy	41.6187N	13.7213E	559	From 2009-10-08 to 2010-01-14
Casamaina	RM12	Italy	42.2620N	13.3924E	1412	From 2009-04-07 to 2009-05-25
Casa M˜¡quinas Las Pailas	APPA	Costa Rica	10.7583N	85.3590W	650	From 2000-01-01
Casa M˜¡quinas Miravalles	APGM	Costa Rica	10.7007N	85.1925W	636	From 2000-01-01
Casamari	CAS	Italy	41.6333N	13.3667E		
Casamicciola	OC9	Italy	40.7458N	13.9008E	123	From 1993-01-01
Casamicciola	CSM	Italy	40.7500N	13.9000E	123	
Casares, Malaga	E005	Spain	36.4294N	5.2660W	321	From 2008-02-14 to 2009-06-18
Casa Rosa Ranch, Morristown	Y15A	Arizona,U.S.A.	33.9535N	112.3331W	572	From 2007-03-20 to 2008-12-02
Cascade Tunnel	CC-WA	Washington,U.S.A.	47.7692N	121.0836W	1036	
Case Bada	ECBD	Sicily,Italy	37.7795N	15.0863E	1420	From 1994-10-01
Case del Piano	ECPN	Sicily,Italy	37.7428N	14.9885E	2985	From 1993-11-01
Case del Vescovo	ECVS	Sicily,Italy	37.7030N	15.0177E	1950	From 1994-10-01
Case Giovannangeli - (Balsorano -AQ)	T0201	Italy	41.7780N	13.5745E	570	From 2009-06-12 to 2009-07-28
Casera Mimoias	CSMI	Italy	46.5120N	12.6520E	1635	
Casera Razzo	CSZ	Italy	46.4731N	12.6172E	1825	From 1988-01-01 to 1994-10-12
Casey	CASY	Enderby Land	66.2792S	110.5364E	154	
Casey Station	CSY	Wilkes Land	66.2894S	110.5290E	56	
Case Zampini	ECZM	Sicily,Italy	37.7308N	14.9040E	1342	From 1992-12-01
Cashmere	CMZ	South Island,New Zealand	43.5861S	172.6400E	255	From 1978-09-07 to 1990-04-30
Casias Ranch, Antonito	T23A	Colorado,U.S.A.	37.0361N	106.0372W	2429	From 2008-06-06
Casigua	CSV	Venezuela	8.5040N	72.5220W	50	
Casitas Dam	BCD	California,U.S.A.	34.3687N	119.3440W	213	From 1971-11-01
Casitas Lake	BCL	California,U.S.A.	34.4125N	119.3610W	177	From 1969-11-24 to 1971-10-05
Casmilo, Condeixa	PCAS	Portugal	40.0528N	8.4983W	343	From 2009-07-24
Casper	K22A	Wyoming,U.S.A.	42.6507N	106.5240W	1686	From 2008-07-15
Casr Tuba	CSTJ	Jordan	31.1200N	36.6770E	760	From 1990-03-24
Casr Tuba	QTBJ	Jordan	31.1200N	36.6770E		From 1990-03-24
Cassa de la Selva	CCAS	Spain	41.8840N	2.9053E	197	From 2004-12-01
Cassano Ionio	CSI	Italy	39.7765N	16.2894E	507	From 1979-05-01
Cassano Irpino	CSSN	Italy	40.8608N	15.0239E	690	
Casso	CSO	Italy	46.2733N	12.3239E	1070	From 1988-01-01
Cassop	LCP	England,United Kingdom	54.7368N	1.4741W	185	From 1991-01-01
Castanea	MSRU	Sicily,Italy	38.2630N	15.5090E	335	From 1993-12-01
Castelbuono	CSLB	Sicily,Italy	37.9374N	14.0579E	583	
Castel del Monte	CDT	Italy	41.0820N	16.2740E	500	
Castel Frentano	CAFR	Italy	42.2273N	14.3470E	250	From 2006-11-15
Castella	LCAM	California,U.S.A.	41.1688N	122.2728W	689	
Castellane	OG32	Rhone-Alpes,France	43.8103N	6.5593E	1130	From 1991-05-03
Castelleone	CTL8	Italy	45.2763N	9.7622E	-78	From 2009-10-13
Castellina Chianti	CSNT	Italy	43.4722N	11.2911E	573	
Castello di San Valentino (Castellarano) - RE	RE08	Italy	44.5237N	10.6998E	301	From 2008-12-28 to 2009-02-12
Castell'Umberto	ME07	Italy	38.0813N	14.8116E	739	From 2007-11-22 to 2008-05-11
Castelmola	ECML	Sicily,Italy	37.8692N	15.2637E	810	From 1994-10-01
Castelo Branco	PCBR	Portugal	39.8403N	7.4775W	180	From 1994-05-10
Castel Tesino	CTI	Italy	46.0481N	11.6498E	1189	
Castelvetrano	CAVT	Sicily,Italy	37.6788N	12.7556E	158	From 2000-07-01
Castelvetrano	CVT	Sicily,Italy	37.6780N	12.7920E	0	From 1986-01-01
Castiglione	ECTS	Sicily,Italy	37.8820N	15.1210E	681	From 1989-07-01
Castiglione Aldobrando (Gubbio) - PG	AT04	Italy	43.2543N	12.4505E	595	From 2010-03-31
Castiglione della Pescaia	CASP	Italy	42.7908N	10.8652E	390	From 2007-05-30
Castiglione (Tornimparte)	RM15	Italy	42.2823N	13.2452E	1223	From 2009-04-09 to 2009-05-25
Castiglion Fiorentino	CAFI	Italy	43.3292N	11.9663E	547	From 2007-09-12
Castillo	CASO	Costa Rica	10.4337N	84.7342W	575	From 2000-01-01
Castillo de Giribaile, Vilches, Jaen	E032	Spain	38.1135N	3.4898W	480	From 2008-06-04 to 2008-11-14
Castleberry Farm, Seminole	128A	Texas,U.S.A.	32.6213N	102.4850W	966	From 2009-02-06
Castle Douglas	GCD	Scotland,United Kingdom	54.8638N	3.9417W	189	From 1989-01-01
Castle Hill	CAH	New South Wales,Australia	34.6433S	149.2420E	700	From 1970-01-01
Castle Mountain	CTM	California,U.S.A.	35.9317N	120.3370W	1189	From 1970-12-15
Castle Mountains	CMJ	Jamaica	18.1358N	76.3727W	333	
Castle Mt.	PCAM	California,U.S.A.	35.9317N	120.3370W	1189	From 1970-12-15
Castlepoint	CAZ	North Island,New Zealand	40.9042S	176.2260E	6	From 1968-02-20 to 1988-11-30
Castlepoint	CPWZ	North Island,New Zealand	40.9098S	176.2016E	181	From 2009-07-07
Castle Rock	CRC	California,U.S.A.	37.2417N	122.1300W	607	From 1966-03-01 to 1977-06-01
Castle Rock	CTR	New York,U.S.A.	43.8742N	74.4600W	585	From 1971-09-01
Castle Rocks	CAST	Alaska,U.S.A.	63.4193N	152.0820W	611	
Castle Rock Springs	GCRM	California,U.S.A.	38.7732N	122.7150W	719	From 1979-05-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Castle Valley Ranch, Emery	Q16A	Utah,U.S.A.	38.9176N	111.1716W	1912	From 2007-05-31
Castor Lake	CTLN	Yukon Territory,Canada	64.4287N	116.0189W	552	
CASTRO	CTRO	Chile	42.4814S	73.7814W	92	From 2008-08-12
Castrocucco	CUC	Italy	39.9931N	15.8156E	665	
Castroreale	MCSR	Sicily,Italy	38.0640N	15.2500E	1010	From 1993-12-01
Castro Verde	PCVE	Portugal	37.6320N	8.0390W	234	From 2007-12-11
Castrovirreyna	CST	Peru	13.2917S	75.3233W	3947	
Catak	CTK	Turkey	40.6900N	34.8261E	1250	From 1991-01-01
Catalca	ELBA	Turkey	41.1469N	28.4307E	331	From 2005-09-20
Catalca	CTT	Turkey	41.1473N	28.4297E	324	From 1978-08-01
Catalca	CTTX	Turkey	41.3420N	28.3580E	378	
Catalina Dam	CTD	California,U.S.A.	33.3549N	118.4444W	190	
Catalina I. Airport	CIAC	California,U.S.A.	33.4019N	118.4137W	467	
Catalina Island	CIS	California,U.S.A.	33.4067N	118.4030W	485	From 1971-07-01 to 2008-07-16
Catalina Island	CIU	California,U.S.A.	33.4458N	118.4830W	203	
Catamayo	CATE	Ecuador	3.9618S	79.3720W	1358	From 2008-12-12
Catania	CAT	Sicily,Italy	37.5142N	15.0972E	20	
Catapilco	CTP	Aconcagua,Chile	32.5717S	71.3117W	116	From 1970-08-01
Cataract Bedrock	CTBM	New South Wales,Australia	34.2648S	150.8107E	322	
Cataract Creek	CCAZ	Arizona,U.S.A.	35.6540N	112.2970W	1724	
Cataract Dam	CTDM	New South Wales,Australia	34.2672S	150.8023E	294	
Catarman	CNP	Samar,Philippines	12.5105N	124.6632E		From 1980-09-04
Cat Creek Ranch, Riddle	L11A	Idaho,U.S.A.	42.1669N	115.7541W	1511	From 2007-01-08 to 2008-08-14
Catenanuova	ECNV	Sicily,Italy	37.5956N	14.7125E	475	From 2007-01-30
Cat-ERZURUM	ECAT	Turkey	39.6062N	40.9742E	1910	From 2010-08-04
Catfish Pond	CNJ	New Jersey,U.S.A.	41.0358N	75.0042W	351	From 1973-02-01 to 1974-07-31
Cathedral Cave	CCM	Missouri,U.S.A.	38.0557N	91.2446W	223	
Catigliano (Citt˜ di Castello) - PG	AT07	Italy	43.4940N	12.0561E	442	From 2010-04-01
Catron	CATM	Missouri,U.S.A.	36.6129N	89.6472W	82	
Catuaro Arriba	CATA	Venezuela	10.6010N	63.0700W	360	
Cauayan	CAUP	Luzon,Philippines	16.9440N	121.8230E	50	
Cauldkaine Hill	ECK	Scotland,United Kingdom	55.1811N	3.1272W	336	From 1981-09-01
Causey	Y27A	New Mexico,U.S.A.	33.8839N	103.1633W	1253	From 2008-04-18
Cauta	CTAS	El Salvador	13.7489N	89.8653W	355	
Cavalese	CAV	Italy	46.2931N	11.4619E	1050	From 1981-06-15
Cavaso del Tomba, Italy	MTOM	Italy	45.8883N	11.8993E	897	From 2010-06-09
Cave	KCA	Kerguelen Islands	49.3480S	70.2180E		From 1974-02-01
Cavedale Road	NCDM	California,U.S.A.	38.3698N	122.4620W	620	From 1971-03-08
Cavedale Road	CRD	California,U.S.A.	38.3698N	122.4620W	620	From 1971-03-08
Cave In Rock	CIRL	Illinois,U.S.A.	37.5119N	88.1081W	119	
Cave Junction	L02A	Oregon,U.S.A.	42.1560N	123.6018W	484	From 2005-12-16 to 2007-11-29
Cave Junction, OR	L02D	Oregon	42.1578N	123.6031W	458	From 2009-11-08
Cave Mountain	CAVC	California,U.S.A.	35.0523N	116.3392W	664	
Caviahue	CANA	Neuquen,Argentina	37.8874S	71.0620W	1645	From 1993-11-08
Cavillon	CAVM	New South Wales,Australia	29.6478S	151.6238E	982	
Cavuskoy	CAVI	Turkey	40.2022N	29.8425E	460	From 1993-01-01
Cavuskoy	CAVTT	Turkey	40.2022N	29.8425E	460	
Cawcaw Swamp	CCS	South Carolina,U.S.A.	32.8161N	80.2553W	9	From 1976-03-31
Cayambe	CASW	Ecuador	0.0160N	78.0063W	4889	
Cayambe	CAYA	Ecuador	0.0715N	77.9902W	4143	From 1988-10-14
Cayambe Volc	ELAGU	Ecuador	0.0236S	77.9903W	4218	From 2002-12-12
Cayenne	CAY	French Guiana	4.9480N	52.3167W	25	From 1985-07-22
Cazenovia	CAZE	New York,U.S.A.	42.9313N	75.9200W	301	
Cccc	CCCC	Cuba	21.2000N	77.7660W		
C.da Z Pietro	EZPO	Sicily,Italy	37.8230N	15.1068E	847	From 1994-10-01
Ceahlau	CEA	Romania	46.9758N	25.9511E	1699	From 1982-09-01 to 1989-01-01
Cebu City	CCP	Cebu,Philippines	10.3313N	123.9062E	36	
Cedar Bluff	CBKS	Kansas,U.S.A.	38.8140N	99.7374W	667	From 1994-09-01
Cedar Butte	CBTI	Idaho,U.S.A.	43.3875N	112.9120W	1754	From 1986-07-11
Cedar Butte	CIB	Idaho,U.S.A.	43.4011N	112.9420W	1611	From 1979-11-18 to 1986-07-11
Cedar City	CCUT	U.S.A.	37.5506N	113.3627W	2127	
Cedar City	CCU	Utah,U.S.A.	37.6753N	113.0690W	1775	From 1968-12-01
Cedar City	S14A	Utah,U.S.A.	37.7601N	113.1684W	1746	From 2007-01-27 to 2008-10-08
Cedar City	CVH	Utah,U.S.A.	37.7151N	113.0641W	1724	From 2008-06-10
Cedar City, Iron County	IAE	Utah,U.S.A.	37.6651N	113.0667W	1807	From 2008-07-09
Cedar City Park	CCPU	Utah,U.S.A.	37.6666N	113.0882W	1839	From 2009-09-03
Cedar Cove	CVE	Utah,U.S.A.	38.4642N	112.8520W	1890	
Cedar Creek	CDO	Oklahoma,U.S.A.	34.1904N	94.7726W	230	From 1980-08-01 to 1981-03-25
Cedar Creek Ranch, Saratoga	M22A	Wyoming,U.S.A.	41.4033N	106.5958W	2334	From 2007-11-25
Cedaredge	CECO	Colorado,U.S.A.	38.9310N	107.9810W	1692	
Cedar Flats	CDFW	Washington,U.S.A.	46.1162N	122.0470W	780	
Cedar Moraine	CDMR	Washington,U.S.A.	47.4222N	121.7578W	479	
Cedar Mountain	CMU	Utah,U.S.A.	39.1713N	110.6190W	2332	From 1978-06-01 to 1990-08-14
Cedar Springs	CSP	California,U.S.A.	34.2980N	117.3583W	1239	From 1969-07-01
Cedar Springs	CED	California,U.S.A.	34.2772N	117.3340W	1067	From 1965-03-01 to 1967-07-31
Cedral	CDRL	Costa Rica	10.5252N	83.6873W	51	
Cedral	CDL2	Costa Rica	10.5252N	83.6873W	51	
Cedros	CEDR	Azores,Portugal	38.6341N	28.6986W	100	From 1993-04-07
Cedros	CDRO	Azores,Portugal	38.6292N	28.6992W	195	
Cedros	PCED	Azores,Portugal	38.6283N	28.7017W	200	
Ceiba Bonita	SDD09	Dominican Republic	19.2533N	69.6073W	465	
Celerina	SCEL	Switzerland	46.5074N	9.8552E	1718	From 2009-08-01
Celeste	CEL	Italy	38.2594N	15.8939E	690	
Cemaes, Anglesey	WPS	Wales	53.4004N	4.4986W	16	From 2011-03-10
Cemisgezek	CEM	Turkey	39.0579N	38.9234E	1076	From 1973-09-10
Centennial Lake Park	CLPO	Ontario,Canada	45.2460N	76.9642W	272	
Centennial Mountain	CMI	Idaho,U.S.A.	44.5253N	111.6220W	2377	
Center	D27A	North Dakota,U.S.A.	47.1081N	101.5254W	658	From 2009-07-17
Center Grove, Livingston	439A	Texas,U.S.A.	30.7937N	94.7660W	90	From 2010-04-12
Centerville	CV-TN	Tennessee,U.S.A.	35.7700N	87.3844W	183	From 1961-11-25 to 1962-10-05
Centerville	337A	Texas,U.S.A.	31.3159N	95.8854W	150	From 2010-02-16
Centerville	CV-	Tennessee,U.S.A.	35.7700N	87.3844W	183	From 1961-11-25 to 1962-10-05
Central Fire St	CFSC	California,U.S.A.	34.1054N	117.2829W	312	
Central Michigan University	MTPM	Michigan,U.S.A.	43.5872N	84.7743W	178	
Central Minnesota Array	CM1	Minnesota,U.S.A.	45.9337N	93.3528W	324	From 1977-01-01
Central Minnesota Array	CM2	Minnesota,U.S.A.	45.9741N	93.1618W	323	From 1977-01-01
Central Minnesota Array	CM3	Minnesota,U.S.A.	43.8747N	93.0097W	294	From 1977-01-01
Central Minnesota Array	CM4	Minnesota,U.S.A.	45.7500N	93.1019W	298	From 1977-01-01
Central Minnesota Array	CM5	Minnesota,U.S.A.	45.7830N	93.3234W	298	From 1977-01-01
Central Minnesota Array	CM6	Minnesota,U.S.A.	45.8599N	93.1977W	310	From 1977-01-01
Central Park	CPNY	New York,U.S.A.	40.7912N	73.9600W	27	
Central Site	MCEM	California,U.S.A.	37.9388N	120.5293W	373	
Centro de Investigaciones Geotecnicas	CIGS	El Salvador	13.6981N	89.1733W	616	From 1991-12-01 to 2003-03-28
Cent US Eq Cons	CUET	Tennessee,U.S.A.	35.0072N	89.9756W	104	
Ceres	CER	Cape Province,South Africa	33.3617S	19.2933E	472	
Cerknica	CEY	Slovenia	45.7388N	14.4267E	579	From 1975-08-15
Cernavoda	CVDA	Romania	44.3336N	28.0374E	43	From 2010-11-16
Cernavoda	CVD	Romania	44.3145N	28.0326E	82	
Cernavoda-Power Plant	CVD1	Romania	44.3207N	28.0624E	20	From 2010-06-03
Cernica	CNCR	Romania	44.4439N	26.2619E	105	From 2004-08-17
Cerqua	RM30	Italy	42.5332N	13.0931E	885	From 2009-09-17 to 2010-02-16
Cerre-les-Noroy	CNF	Franche Comte,France	47.5828N	6.3177E	305	
Cerreto	CERT	Italy	41.9490N	12.9820E	755	From 2003-04-23
Cerrillo	CRX	Mexico D.F.,Mexico	19.4064N	99.6800W	2997	From 1978-11-29
Cerrillos	CELP	Puerto Rico	18.0749N	66.5792W	195	
Cerrillos	CLLP	Puerto Rico	18.0800N	66.5767W	195	From 1991-04-01 to 1999-08-25
Cerro Adams	ACR	Costa Rica	8.6532N	83.1680W	500	
Cerro Alto Campground	PCGM	California,U.S.A.	35.4253N	120.7390W	314	
Cerro Antonio	CANV	Venezuela	11.0390N	68.8280W	450	From 1993-04-01
CERRO ARCO	ARCO	Mendoza	32.8415S	68.9321W	1557	From 1997-06-12
Cerro Azul	CZL	New Mexico,U.S.A.	36.2833N	105.9103W	2128	
Cerro Blanco	RTCB	San Juan,Argentina	31.4878S	68.8104W	1059	
Cerro Blanco	BCO	San Juan,Argentina	31.4878S	68.8104W	1059	
Cerro Bola	CBX	Baja California,Mexico	32.3131N	116.6636W	1250	From 1982-01-05
Cerro Calan	CLCH	Santiago,Chile	33.3961S	70.5369W	865	
Cerro Castillo	GO09	Magallanes,Chile	51.2707S	72.3381W	372	
Cerro-Chispas-Manabi	CHIS	Ecuador	1.0493S	80.7260W	324	From 2006-11-10
Cerro Coronel	ACCO	San Juan,Argentina	30.5879S	69.0820W	2933	
Cerro de Hojas	HOJA	Ecuador	1.0505S	80.5460W	500	From 1993-01-22

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cerro de Hula	CHUH	Honduras	13.9417N	87.2333W	1720	
Cerro de Hule	HLH	Honduras	13.8375N	87.2583W	0	From 1990-07-01
Cerro del Durazano	CDN	New Mexico,U.S.A.	35.4546N	107.3480W	2591	From 1976-01-01
Cerro de Muerte	CDM	Costa Rica	9.5552N	83.7657W	3470	From 1984-03-07
Cerro de Punta	CDPB	Puerto Rico	18.1700N	66.5900W	1300	
Cerro de Punta	CDP	Puerto Rico	18.1751N	66.5913W	1300	From 1975-07-30
Cerro Diablo	CEDI	Venezuela	7.6540N	71.8850W	900	From 1984-01-01
Cerro El Oso	CEOS	Venezuela	9.0299N	68.3434W	404	From 1986-12-01
Cerro El Roble	ELRO	Santiago,Chile	32.9753S	71.0153W	2185	
Cerro Encantado	CEO	Oaxaca,Mexico	16.2333N	97.0183W	3000	
Cerro Gallo	CGAC	Costa Rica	10.0310N	84.4757W	1300	From 1996-01-01
Cerro Gallo 2	CGA2	Costa Rica	10.0162N	84.4655W	1200	
Cerro Gordo	CGVM	Mexico D.F.,Mexico	19.7500N	98.8293W		
Cerro Gordo	CGO	California,U.S.A.	36.5504N	117.8029W	2795	
Cerro Jefe	JEF	Panama	9.2188N	79.3738W	977	
Cerro Kenedy	KENC	Colombia	11.1108N	74.0477W	2560	
CERRO LA CRUZ	ACLC	La Rioja	29.4254S	66.9520W	1670	From 1993-06-19
Cerro la Pandura	CPD	Puerto Rico	18.0368N	65.9151W	385	From 1975-07-30
Cerro Moro	ELMO	Venezuela	8.0131N	71.7169W	2100	From 1984-01-01
Cerron	CERV	Venezuela	10.3112N	70.6742W	1730	
Cerronegro	CEN	San Juan,Argentina	31.5758S	68.7542W	900	
Cerro Negro	ECEN	Ecuador	0.8238N	77.9713W	4230	From 1992-03-29
Cerro Negro	CENE	Venezuela	7.7639N	71.3228W	400	From 1984-01-01
Cerro Negro	CNGN	Nicaragua	12.5000N	86.6985W	515	
Cerro Pandura	CPDB	Puerto Rico	18.0600N	65.8600W	370	
Cerro Paranal	CPN1	Antofagasta,Chile	24.6259S	70.4040W	2600	From 2003-03-16
Cerro Prieto	CPBX	Baja California,Mexico	32.4178N	115.3040W	180	From 1981-10-02
Cerro San Cristobal	SCRT	Spain	36.6350N	6.1750W	73	
Cerro Toribio	GTV	Venezuela	7.6083N	63.1017W	380	
Cerro Valdivia	RTCV	San Juan,Argentina	31.8617S	68.5412W	734	
Cerro Valdivia	VAA	San Juan,Argentina	31.8617S	68.5412W	734	
Cerro Villicun	RTLL	San Juan,Argentina	31.3286S	68.4758W	720	
Cervenica-Dubnik	CRVS	Slovakia	48.9022N	21.4614E	476	
Cesaproba (Montereale)	RM10	Italy	42.5090N	13.1864E	951	From 2009-04-07 to 2010-02-15
Cescau	CESL	Aquitaine,France	43.4019N	0.5319W	220	
Cesi	CESX	Italy	42.6100N	12.5800E	380	From 2008-07-18
CESI - Serravalle di Chienti	CESI	Italy	43.0049N	12.9046E	840	From 2007-01-08
Cesta pri Krskem	CESS	Slovenia	45.9734N	15.4631E	382	From 1996-12-01
Ceuta	CEUT	Ceuta,Spain	35.8830N	5.3263W	100	
Ceuta	ECEU	Spain	35.8978N	5.3768W	278	From 2007-04-11
Ceuta	CEU	Spain	35.8987N	5.3731W	0	
Cevo	CEME	Montenegro	42.5467N	18.9177E	799	From 2010-11-01
Ceyhan	CEYT	Turkey	37.0100N	35.7480E	100	
Chabahar	CHBR	Iran	25.5950N	60.4820E	125	From 2009-10-23
Chacachacare	TCE	Trinidad and Tobago	10.6970N	61.7530W	240	
Chacarita	CCR	Buenos Aires,Argentina	34.5833S	58.4667W		
Cha da Macela	CML	Azores,Portugal	37.7708N	25.5459W	291	From 1981-01-01
Cha da Macela	CMLA	Azores,Portugal	37.7637N	25.5243W	332	
Chadas Angostura	CHCH	Santiago,Chile	33.9333S	70.6525W	680	From 1982-01-01
Chaffey Accelerograph	CHAM	New South Wales,Australia	31.3497S	151.1379E	553	
Chaffey Dam	CHFM	New South Wales,Australia	31.3265S	151.1164E	580	
Chagan-Uzun	CUR	Altayskiy Kray,Russia	50.1000N	88.3500E	1500	
Chagda	CGD	Sakha,Russia	58.7500N	130.6167E	178	
Chaguaramas	TCHG	Trinidad and Tobago	10.6800N	61.6600W	21	From 2004-07-03
Chagyl	CAGT	Turkmenistan	40.7820N	55.3860E	144	
Chaix Hills	CHX	Alaska,U.S.A.	60.0630N	141.1170W	1067	From 1974-09-04
Chaiyaphum	CHAI	Thailand	15.9018N	101.9864E	199	
Chakachamna Lake	CKL	Alaska,U.S.A.	61.1965N	152.3380W	1265	From 1989-01-01
Chakachatna North	CKN	Alaska,U.S.A.	61.2240N	152.1810W	735	From 1991-08-19
Chakrata	CKA	Himachal Pradesh,India	30.7187N	77.8659E	1990	From 2007-05-01
Chala	CLA	Peru	15.8603S	74.2433W	32	
Chala	CHAG	Georgia	42.7279N	42.0265E	305	From 1973-01-01
Chalampe	CHAF	Alsace,France	47.8122N	7.5403E	-285	
Chalhuanca	PP08	Peru	14.2883S	73.2447W	3000	
Chalk River	CKO	Ontario,Canada	45.9944N	77.4500W	191	From 1981-01-12
Chalk River	CRLO	Ontario,Canada	46.0375N	77.3801W	168	
Chalk Rock	KCRM	California,U.S.A.	40.4263N	123.8190W	896	
Challavanipeta	CHLP	Andhra Pradesh,India	18.5058N	84.0573E	55	From 2008-09-01
Challis	CL-	Idaho,U.S.A.	44.4911N	114.3417W	2256	From 1966-05-23 to 1966-05-24
Challis	H13A	Idaho,U.S.A.	44.5642N	114.2545W	1563	From 2006-12-30 to 2009-05-22
Challis	CL-ID	Idaho,U.S.A.	44.4911N	114.3417W	2256	From 1966-05-23 to 1966-05-24
Chama	CNM	New Mexico,U.S.A.	36.9167N	106.5690W		
Chamberlain	CBC	California,U.S.A.	36.9314N	121.6618W	200	From 1969-01-01
Chamberlain	HCBM	California,U.S.A.	36.9314N	121.6618W	200	From 1969-01-01
Chamberlain Mountain	CHMT	Montana,U.S.A.	46.9143N	113.2520W	2077	
Chamberlain Ridge	GCBM	California,U.S.A.	39.3838N	123.5210W	560	
Chambon-Foret	CLF	Centre,France	48.0167N	2.2667E		
Chamela	CJM	Jalisco,Mexico	19.4990N	105.0430W	129	
Cham-Katzbach	CHKA	Bayern,Germany	49.2410N	12.6498E	276	From 2004-06-01
Champ du Feu	CDF	Alsace,France	48.4122N	7.2761E	1068	From 1972-11-22
Champorcher	CIRO	Italy	45.6019N	7.5682E	2516	From 2009-11-07
Chanaral	CAA	Atacama,Chile	26.3303S	70.6139W	2	From 1977-01-01
Chanarkot	CKP	Pakistan	34.0227N	72.7733E	1195	
Chanca	CNCB	Bolivia	16.8127S	67.9821W	4325	From 1982-01-01
Chanco	CNCO	Maule,Chile	35.7349S	72.5330W	50	From 2004-11-17
Changalane	CNG	Mozambique	26.2917S	32.1883E	100	From 1961-01-01
Changchun	HSK	Jilin,China	43.9167N	125.3000E	250	
Changchun	CNH	Jilin,China	43.8292N	125.3130E	236	From 1976-10-15 to 1999-08-25
Changchun	CN2	Jilin,China	43.8014N	125.4480E	230	From 1976-10-15
Changhua City	WCH	Taiwan region	24.0820N	120.5570E	17	From 1999-08-04
CHANGNYEONG	KSCHR	South Korea	35.5440N	128.4907E	105	From 2006-12-30
Changuinola	CNI	Panama	9.4167N	82.5168W	20	From 1993-04-18
Changyeh	CYEH	Gansu,China	38.9333N	100.5833E	0	From 1955-01-01
Chania	CHAN	Crete,Greece	35.5192N	24.0425E	34	From 2006-12-01
Chanki	CHKI	Nagaland,India	26.4292N	94.3983E	950	
Channel	CHNM	Missouri,U.S.A.	36.0419N	89.9286W	74	
Channing	V28A	Texas,U.S.A.	35.7505N	102.2243W	1163	From 2009-01-17
Chantaburi	CHAT	Thailand	12.5167N	102.1667E	22	From 1996-05-01
Chapadao Do Sul	CDSB	Mato Grosso	18.7655S	52.8393W	750	
Chaparral, Anthony	223A	New Mexico,U.S.A.	32.0062N	106.4276W	1232	From 2008-03-28 to 2010-01-16
Chaparral WMA, Artesia Wells	833A	Texas,U.S.A.	28.3236N	99.3939W	171	From 2009-12-04
Chapelcross	BCC1	Scotland,United Kingdom	55.0153N	3.2201W	138	From 1992-01-01
Chapel Hill	CEH	North Carolina,U.S.A.	35.8908N	79.0928W	152	From 1975-08-01 to 2004-03-05
Chapel Hill	CHC	North Carolina,U.S.A.	35.9028N	79.0506W	149	From 1953-01-01 to 1970-12-31
Chaplin	CPL	Connecticut,U.S.A.	41.7890N	72.1072W	161	From 1972-01-19 to 1974-07-23
Chapri	CPA	Pakistan	32.9805N	71.4237E	335	
Chaqaral	CRCH	Atacama,Chile	26.3455S	70.6214W	10	From 2004-07-30
Chara	CRS	Irkutskaya Oblast',Russia	56.9000N	118.2689E	700	
Charan	CHTH	Iran	35.9080N	51.1260E	2250	From 2005-10-01
Charjew	CHDS	Turkmenistan	39.0750N	63.5930E	190	
Charlesbourg	CHQ	Quebec,Canada	46.8897N	71.3000W	145	From 1971-11-11 to 1982-07-04
Charleston	CHRM	Missouri,U.S.A.	36.8515N	89.3621W	93	
Charleston Southern University	CSU	South Carolina,U.S.A.	32.9860N	80.0707W		
Charley	NYC	Nevada,U.S.A.	37.1550N	116.1550W	1695	From 1971-01-01 to 1973-01-31
Charlottesville	CVVA	Virginia,U.S.A.	38.0218N	78.5321W	159	
Charlottesville	CVV	Virginia,U.S.A.	37.9814N	78.4608W	167	From 1978-07-01
Charlottesville	CLT	Virginia,U.S.A.	38.0333N	78.5167W	150	From 1973-01-01 to 1973-12-31
Charlottesville	CTV	Virginia,U.S.A.	38.0326N	78.5228W	264	From 1973-07-04 to 1974-01-31
Charlottesville	CVL	Virginia,U.S.A.	37.9814N	78.4608W	167	From 1978-07-01
Charly	CHAR	Ecuador	0.0867S	77.6708W	3315	From 2005-06-17
Charmoille	CHMF	Franche Comte	47.2483N	6.6517E	854	From 2010-12-01
Charnwood Forest	CWF	England,United Kingdom	52.7383N	1.3072W	186	From 1974-10-18
Charter Oak	COKM	Missouri,U.S.A.	36.7101N	89.7262W	87	
Charters Towers	CTA	Queensland,Australia	20.0883S	146.2540E	357	From 1957-09-15
Charters Towers	CTAO	Queensland,Australia	20.0883S	146.2540E	357	From 1976-10-09
Chase Mountain	VCMM	Oregon,U.S.A.	42.0955N	121.9890W	1889	
Chase Ranch	AN6*	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chase Ranch	CSR	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chase Ranch	HCRM	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Chateau	CNZ	North Island,New Zealand	39.2000S	175.5480E	1116	From 1961-01-01
Chateau Observatory	COVZ	North Island,New Zealand	39.1999S	175.5424E	1089	From 2009-11-01
CHATHAM INFRASONIC ARRAY REFERENCE POINT	IS6NZ	Chatham Islands	43.9166S	176.4834W	14	From 2004-11-09
Chatham Island	CTZ	Chatham Islands,New Zealand	43.7355S	176.6172W	99	From 2007-12-18
Chatham Islands	CIZ	Chatham Islands,New Zealand	43.9550S	176.5660W	45	From 1932-08-01 to 2003-08-15
Chatra	CHA	Nepal	26.8333N	87.1667E	161	
Chats Falls	CFO	Ontario,Canada	45.4692N	76.2292W	70	From 1977-10-06 to 1979-02-16
Chaudanne	CHDN	Provence-Cote d'Azur,France	43.8481N	6.5408E	740	From 1993-09-01
Chaumont	CHAU	New York,U.S.A.	44.1375N	76.1742W	102	
CHBT	CHBT	Thailand	12.7526N	102.3300E	4	From 2008-10-22
Cheb	CHE	Czech Republic	50.0794N	12.3761E	430	
Cheddleton UK	CHDUK	England,United Kingdom	53.0675N	2.0425W	151	From 2010-03-24
Cheisacher	SULZ	Switzerland	47.5275N	8.1115E	670	From 2000-08-29
Chekchek	ICHK	Iran	32.2442N	54.4073E	2030	From 1998-10-01
Chekok	CKK	Alaska,U.S.A.	59.9597N	154.2330W	732	From 1972-07-29 to 1978-09-09
Chelan Butte	CBW	Washington,U.S.A.	47.8071N	120.0330W	1160	
Chelan Butte South	CBSW	Washington,U.S.A.	47.8046N	120.0410W	1073	From 1987-01-01
Cheltenham	CLH	Maryland,U.S.A.	38.7347N	76.8458W		From 1904-11-01 to 1928-12-31
Chemainus	AHCB	British Columbia,Canada	48.9325N	123.7373W	0	From 2004-04-17
Chemehuevi Mountains	CMH	California,U.S.A.	34.5530N	114.5720W	940	From 1975-02-01
Chengdu	CNU	Sichuan,China	30.6603N	104.0110E	506	
Chengdu	CDU	Sichuan,China	30.6603N	104.0110E	506	
Chengdu	CD2	Sichuan,China	30.9100N	103.7580E	628	
Chengkung	CHKT	Taiwan region	23.0992N	121.3654E	33	
Chenhua	TWY	Taiwan region	25.2758N	121.5996E	20	From 1975-01-10
Chennai	MDRS	Tamil Nadu,India	13.0680N	80.2463E	15	
Cheonan	KSCEA	South Korea	36.8231N	127.2575E	179	From 2004-12-10
CHEONGJU	KSCEJ	South Korea	36.6351N	127.4390E	57	From 2000-11-21
CHEONGSONG	KSCHS	South Korea	36.3919N	129.0794E	247	From 2006-12-30
Cheorwon	KSCHW	South Korea	38.1404N	127.3038E	154	From 2000-01-20 to 2002-11-28
Cheorwon	KSCWO	South Korea	38.0833N	127.5167E	351	From 2003-11-30
Chepes	ACHE	La Rioja,Argentina	31.1661S	66.6637W	1448	
Chera	ECHE	Spain	39.5908N	0.9678W	643	From 1986-11-01
Cherat	CHER	Pakistan	33.8000N	71.9000E	1300	From 2011-03-15
Cherat	CEP	Pakistan	33.8235N	71.9090E	1376	
Cheremushki	CERR	Khakassia,Russia	52.8539N	91.4150E	400	
Chernabura Island	CNBA	Alaska,U.S.A.	54.8200N	159.5887W	94	From 1993-06-01
Chernivtsi	CHRU	Ukraine	48.2975N	25.9217E	240	From 1992-09-01
Chernovtsy	CRA	Ukraine	48.2833N	25.9333E	242	
Chernovtsy (B)	CRB	Ukraine	48.3000N	25.9333E		
Cherry Point	CPC	North Carolina,U.S.A.	34.9000N	76.8833W		From 1950-01-01 to 1956-12-31
Cherskiy	CES	Magadanskaya Oblast',Russia	68.7000N	161.2000E		
Chesbro Res.	JCBM	California,U.S.A.	37.1118N	121.6890W	192	From 1967-08-24
Chesbro Res. 1	CB1	California,U.S.A.	37.1638N	121.6258W		
Chesbro Res. 3	CB3	California,U.S.A.	37.2590N	121.6735W	329	
Chesbro Res. 4	CB4	California,U.S.A.	37.3493N	121.5327W		
Chesbro Res. 5	CB5	California,U.S.A.	37.2852N	121.7725W		
Chesbro Res. 6	CB6	California,U.S.A.	37.4513N	121.7990W	240	
Chesbro Res. 8	CB8	California,U.S.A.	37.1588N	121.8470W	280	
Chesbro Reservoir	CBO	California,U.S.A.	37.1118N	121.6890W	192	From 1967-08-24
Cheshme madani	CHMN	Iran	29.8608N	57.5396E	2923	From 2010-05-05
Chester	O04C	California,U.S.A.	40.3200N	121.0860W	1513	From 2005-05-25 to 2007-11-27
Chesterland	CCHE	Ohio,U.S.A.	41.5612N	81.3620W	365	
Chestnut Mountain	CMGA	Georgia,U.S.A.	34.6290N	85.0340W	478	
Cheticamp, Nova Scotia	CHEG	Nova Scotia,Canada	46.8084N	60.6745W	446	From 2005-10-19
Chet-Su	CHET	Uzbekistan	41.0600N	70.2400E	1136	
Chetwynd	CTC	British Columbia,Canada	55.6417N	121.7500W		From 1967-12-01 to 1973-04-06
Cheung Chau	CCHK	Hong Kong,China	22.2013N	114.0267E	73	
Chews Ridge	BCWM	California,U.S.A.	36.3067N	121.5660W	1518	
Cheyenne	M24A	Wyoming,U.S.A.	41.4676N	104.8248W	1816	From 2008-07-14
Cheyenne	CY-	Wyoming,U.S.A.	41.4167N	104.8600W	1920	From 1962-07-06 to 1962-07-11
Cheyenne	CY-WY	Wyoming,U.S.A.	41.4167N	104.8600W	1920	From 1962-07-06 to 1962-07-11
Chiang Mai	CHG	Thailand	18.8138N	98.9438E	416	From 1963-03-01
Chiang Mai	CMMT	Thailand	18.8128N	98.9480E	399	From 2008-12-01
Chiang Mai	CHTO	Thailand	18.8138N	98.9438E	316	From 1977-06-01
Chiang Mai Array Beam Reference Point	CMAR	Thailand	18.4575N	98.9429E	307	
Chiang Mai Array Site 1	CM01	Thailand	18.4205N	98.9588E	292	
Chiang Mai Array Site 10	CM10	Thailand	18.4298N	99.0019E	341	
Chiang Mai Array Site 11	CM11	Thailand	18.3756N	98.9604E	320	
Chiang Mai Array Site 12	CM12	Thailand	18.4061N	98.9254E	330	
Chiang Mai Array Site 13	CM13	Thailand	18.4211N	98.9069E	303	
Chiang Mai Array Site 14	CM14	Thailand	18.4361N	98.9136E	322	
Chiang Mai Array Site 15	CM15	Thailand	18.4524N	98.9245E	324	
Chiang Mai Array Site 16	CM16	Thailand	18.4575N	98.9429E	358	
Chiang Mai Array Site 17	CM17	Thailand	18.4577N	98.9624E	325	
Chiang Mai Array Site 18	CM18	Thailand	18.4610N	98.9830E	314	
Chiang Mai Array Site 2	CM02	Thailand	18.4344N	98.9466E	305	
Chiang Mai Array Site 3	CM03	Thailand	18.4263N	98.9762E	304	
Chiang Mai Array Site 31	CM31	Thailand	18.4575N	98.9429E	306	
Chiang Mai Array Site 32	CM32	Thailand	18.6533N	98.8469E	292	
Chiang Mai Array Site 33	CM33	Thailand	18.8177N	98.9466E	358	
Chiang Mai Array Site 34	CM34	Thailand	18.8511N	99.1498E	315	
Chiang Mai Array Site 35	CM35	Thailand	18.6781N	99.1539E	283	
Chiang Mai Array Site 36	CM36	Thailand	18.5182N	99.0954E	310	
Chiang Mai Array Site 4	CM04	Thailand	18.3997N	98.9789E	336	
Chiang Mai Array Site 5	CM05	Thailand	18.4013N	98.9451E	336	
Chiang Mai Array Site 6	CM06	Thailand	18.4156N	98.9406E	332	
Chiang Mai Array Site 7	CM07	Thailand	18.4337N	98.9304E	302	
Chiang Mai Array Site 8	CM08	Thailand	18.4453N	98.9577E	295	
Chiang Mai Array Site 9	CM09	Thailand	18.4439N	98.9908E	345	
Chiangrai	CRAI	Thailand	20.2289N	100.3734E	356	
Chiangrai	CHRT	Thailand	19.8709N	99.7827E		From 1996-07-01
Chiapa de Corzo	CZC	Chiapas,Mexico	16.7120N	93.0200W	418	
Chiapas	VGP	Chiapas,Mexico	17.3572N	93.6140W		
Chiapas	ARL	Chiapas,Mexico	17.4120N	93.1180W		
Chiapas	SIPM	Chiapas,Mexico	17.2230N	93.1570W		
Chiapas	MARM	Chiapas,Mexico	17.2180N	92.6930W		
Chiapas	PORM	Chiapas,Mexico	17.1790N	93.3950W		
Chiapas	LIBM	Chiapas,Mexico	17.2940N	93.0120W		
Chiapas	PENM	Chiapas,Mexico	17.4360N	93.5280W		
Chiapas	TANM	Chiapas,Mexico	16.9190N	93.1150W		
Chiapas	UJZ	Chiapas,Mexico	15.0750N	92.0833W		
Chiapas	ZZA	Chiapas,Mexico	15.1333N	92.3167W		
Chiapas	BJU	Chiapas,Mexico	16.8768N	93.1791W		
Chiapas	PAY	Chiapas,Mexico	17.4717N	93.4913W		
Chiautla de Tapia	CHPM	Puebla,Mexico	18.2986N	98.6132W	1030	
Chiavari	CHV	Italy	44.3153N	9.3236E		
Chiawan	TWD	Taiwan region	24.0800N	121.5960E	30	From 1972-09-25
Chiayi	CHY	Taiwan region	23.4977N	120.4240E	27	
Chibit, Altay Republic, Russia	CHBI	Altayskiy Kray	50.3132N	87.5034E	1164	From 2003-08-12
Chibougamau	CHGQ	Quebec,Canada	49.9105N	74.3748W	405	From 2007-10-11
Chicago	CGI	Illinois,U.S.A.	41.9800N	87.7183W		
Chicago	CHK	Illinois,U.S.A.	41.7889N	87.5992W	180	From 1918-01-01 to 1967-12-31
Chicago-Loyola	CHI	Illinois,U.S.A.	41.9000N	87.6333W	183	From 1912-09-01
Chichaoua	CIA	Morocco	31.5650N	8.7590W	473	
Chichibu	CHJ	Saitama,Japan	35.9917N	139.0820E	219	
Chichibu	CHJJ	Saitama,Japan	36.0483N	138.9950E	187	From 1978-01-01
Chichi jima	CBI	Bonin Islands,Japan	27.0897N	142.1883E	3	From 1975-01-01
Chichi jima	CBIJ	Bonin Islands,Japan	27.0957N	142.1845E	145	
Chichinautzin	CHVM	Mexico D.F.,Mexico	19.0873N	99.1473W	3213	
Chichi shima	TTZ	Bonin Islands,Japan	27.0833N	142.1830E		
Chiclayo	CHP8	Peru	6.7650S	79.8650W	60	From 1982-08-01
Chico	CCO	California,U.S.A.	39.0642N	121.0090W	60	From 1972-02-23
Chicoasen	CSN	Chiapas,Mexico	16.9690N	93.1080W	320	
Chicoasen 1	CR1	Chiapas,Mexico	17.0453N	93.1152W	1200	
Chicoasen 2	CR2	Chiapas,Mexico	16.8850N	92.9580W	1743	
Chicoasen 3	CR3	Chiapas,Mexico	16.8143N	92.9547W	1200	
Chicoasen 4	CR4	Chiapas,Mexico	16.7172N	93.0748W	900	
Chicoasen 5	CR5	Chiapas,Mexico	16.8168N	93.1188W	1300	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Chicoasen 6	CR6	Chiapas,Mexico	16.9582N	93.2260W	1700	
Chicoasen 7	CR7	Chiapas,Mexico	17.2330N	93.1700W	1750	
Chicoutimi	CIQ	Quebec,Canada	48.2723N	70.7908W	273	
Chicoutimi-Nord	CHIQ	Quebec,Canada	48.4900N	71.0100W	0	From 1984-09-21
Chidliak Camp Nunavut	CDKN	Northwest Territories,Canada	64.2348N	66.3440W	65	From 2009-08-20
Chiengmai2	CMAI	Thailand	19.9325N	99.0453E	1502	
Chignik	CHGN	Alaska,U.S.A.	56.3014N	158.4141W	16	
Chigu Township	TSCK	Taiwan region	23.1470N	120.0860E	13	From 2002-11-06
Chihuahua	CHH	Chihuahua,Mexico	28.6367N	106.0783W	1430	
Chihuahua	CHIX	Baja California,Mexico	32.4867N	115.2418W	15	From 1987-02-01
Chijiwa	CJA	Nagasaki,Japan	32.7842N	130.2106E	88	
Chilao Flats	CFL	California,U.S.A.	34.3330N	118.0239W	1560	
Chilao Flat Sta	CHFC	California,U.S.A.	34.3334N	118.0259W	1594	
Chilbolton	CLB	England,United Kingdom	51.1436N	1.4328W	80	From 1976-05-01 to 1999-08-25
Childara	CHLD	Tajikistan	38.7700N	70.3000E	1700	
Childress 1	CEC	Texas,U.S.A.	34.5720N	100.3260W	548	
Childress 2	CNE	Texas,U.S.A.	34.5838N	100.3100W	555	
Childress 3	CNO	Texas,U.S.A.	34.5780N	100.3350W	562	
Childress 4	CNW	Texas,U.S.A.	34.5917N	100.3600W	540	
Childress 5	CSE	Texas,U.S.A.	34.5558N	100.3310W	521	
Childress 6	CSW	Texas,U.S.A.	34.5570N	100.3480W	546	
Childress 7	CWT	Texas,U.S.A.	34.5703N	100.3440W	549	
Childs Glacier	CSG	Alaska,U.S.A.	60.6610N	144.8550W	678	From 1984-01-01
Chilecito	CCT	La Rioja,Argentina	29.1667S	67.5000W		
Chileka	CLK	Malawi	15.6800S	34.9767E	781	
Chilgok	KSCIG	South Korea	36.0386N	128.3832E	0	From 2007-12-17
Chilik	CHL	Kazakhstan	43.5270N	78.3740E	760	
Chillagoe	CHIL	Queensland,Australia	17.1505S	144.5306E	423	
Chillan	CCHI	Bio-Bio,Chile	36.6025S	72.0769W	123	
Chilliwack	A06A	British Columbia,Canada	49.0983N	121.4804W	576	From 2006-10-18 to 2008-05-21
Chiloquin, OR	K04D	Oregon	42.6246N	121.7535W	1315	From 2009-10-13
Chilquin	K04A	Oregon,U.S.A.	42.6133N	121.7307W	1305	From 2006-05-23 to 2007-10-27
Chimachoy	CIM	Guatemala	14.5838N	90.8667W	2450	From 1975-03-01 to 1999-08-25
Chimborazo	CHIM	Ecuador	1.4203S	78.8614W	4100	From 1990-01-01 to 1991-12-31
Chimborazo	CHI1	Ecuador	1.4187S	78.8148W	4440	From 1992-02-13 to 2002-07-01
Chimborazo Volcano	PORT	Ecuador	1.4633S	78.7732W	4469	From 2007-03-22
Chimeneas	EXCH	Spain	37.1320N	3.8240W	717	
Chimeneas	ACHM	Spain	37.1050N	3.8297W	862	
Chimkent	TCH	Kazakhstan	42.3190N	69.6030E		
Chimkent	CHM	Kazakhstan	42.3190N	69.6030E	512	
Chimney Peak	WCHM	California,U.S.A.	35.8830N	118.0750W	2475	
China Gardens	WCGM	California,U.S.A.	36.1900N	117.6240W	1689	From 1975-09-26
China Gardens South	CGSM	California,U.S.A.	36.1900N	117.6240W	1689	From 1975-09-26
China Grove, San Antonio	634A	Texas,U.S.A.	29.3815N	98.3515W	188	From 2009-12-06
China Lake	CLC	California,U.S.A.	35.8158N	117.5975W	775	From 1949-07-08
China Lake	GPO	California,U.S.A.	35.6494N	117.6619W	705	
China Lake Receiver Site	WCXM	California,U.S.A.	35.7116N	117.5945W	654	
Chinandega	CHIN	Nicaragua	12.6430N	87.0270W	300	
China Poot	CNPM	Alaska,U.S.A.	59.5258N	151.2360W	564	
Chinchina	CHN	Colombia	4.9667N	75.6167W	1360	From 1949-08-01
Chingaza	CHIC	Colombia	4.6330N	73.7306W	3102	From 1994-01-01
Chingoma	CHGM	Mozambique	16.8531S	36.8383E	247	From 2010-05-25
Chin-men Tao	KNMB	Taiwan region	24.4638N	118.3884E	43	
Chino	CHNC	California,U.S.A.	33.9988N	117.6804W	208	
Chio	CHIO	Canary Islands,Spain	28.2398N	16.8162W	432	From 2004-05-27
Chios island	CHOS	Greece	38.3868N	26.0550E	842	From 2006-03-29
Chirah Chowk	CHCP	Pakistan	33.6583N	73.2638E	579	
Chiredzi	CIR	Zimbabwe	21.0133S	31.5800E	430	
Chirikof Island	CHIR	Alaska,U.S.A.	55.8225N	155.6205W	234	
Chirikof Island	CHIA	Alaska,U.S.A.	55.8378N	155.5797W	250	
Chiripa	AR6	Costa Rica	10.4458N	84.9098W	1010	
Chiripa	CHPA	Costa Rica	10.4430N	84.9077W	1059	From 2000-01-01
Chironico	CHIR1	Switzerland	46.4198N	8.8330E	800	From 2005-12-15
Chisagues Bielsa	ECHI	Spain	42.6638N	0.1906E	1434	From 2010-12-09
Chita	CHTJ	Aichi,Japan	34.7303N	136.9066E	40	
Chita	CIT	Chitinskaya Oblast',Russia	52.0211N	113.5519E	790	From 1970-01-01
CHITILA	GSMB	Romania	44.4813N	26.0273E	85	From 2008-10-30
Chitina Glacier	CTGM	Alaska,U.S.A.	60.9650N	141.3330W	1554	From 1979-09-05
Chitral	CHTL	Pakistan	35.8800N	71.7800E	1494	From 2007-10-10
Chittagong	CHT	Bangladesh	22.3500N	91.8167E	35	
Chitwood Farm, Usk	B10A	Washington,U.S.A.	48.2995N	117.2252W	585	From 2006-08-30 to 2008-06-11
Chize	CHIF	France	46.1330N	0.4080W	62	
Chizu	CZT	Tottori,Japan	35.2695N	134.2936E	300	
Chkalov	CKLZ	Armenia	40.9350N	44.6510E	1410	
Chkalova array site	CHK7	Kazakhstan	53.6539N	70.5869E	147	From 1995-08-11
Chkalova array site	CHK9	Kazakhstan	53.6975N	70.6002E	132	From 1995-08-11
Chkalova array site	CHK5	Kazakhstan	53.6716N	70.6592E	136	From 1995-08-11
Chkalova array site	CHK6	Kazakhstan	53.6509N	70.6324E	148	From 1995-08-11
Chkalova array site	CHK4	Kazakhstan	53.6952N	70.6431E	131	From 1995-08-11
Chkalova array site	CHK8	Kazakhstan	53.6796N	70.5731E	140	From 1995-08-11
Chkalovo	CHKZ	Kazakhstan	53.6761N	70.6153E	123	From 1994-07-23
Ch'k'valeri	CHVG	Georgia	42.7183N	42.0841E	390	
CHN6	CHN6	Taiwan region	23.7352N	120.3953E	22	From 1994-01-25 to 1997-09-30
Chocan	CHP3	Peru	5.1800S	80.9619W	200	From 1979-12-01
Chocolate Mountain	CH2	California,U.S.A.	33.2962N	115.3360W	347	From 1977-12-01 to 2008-07-06
Chocolate Mountains	COT	California,U.S.A.	33.3052N	115.3530W	294	From 1973-04-16 to 2002-12-20
Choctaw High	OK006	Oklahoma,U.S.A.	35.4780N	97.2787W	358	
Cholame Creek	CCRB	California,U.S.A.	35.9572N	120.5515W	350	
Cholame Valley	CVC	California,U.S.A.	35.8242N	120.3510W		
Choma	CHMZ	Zambia	16.8333S	27.0667E	1278	From 1987-01-01
Chonco	CNR	Nicaragua	12.6725N	87.0722W	240	From 1975-01-01
Choranche	OG13	Rhone-Alpes,France	45.0733N	5.3995E	560	From 1989-08-11
Chor-Sady	CSD	Tajikistan	38.8500N	69.7800E		
Chorzow	CHZ	Poland	50.2925N	18.9917E	316	From 1960-01-01
Chorzow	CHZP	Poland	50.2910N	18.9920E	312	From 2009-11-11
Choshi	COJ	Chiba,Japan	35.7022N	140.8550E	-42	
Chosi	CHO	Chiba,Japan	35.7250N	140.8433E	27	
Chosi	CHOJ	Chiba,Japan	35.7027N	140.8587E	62	From 1986-11-08
Chosi	CHO1	Chiba,Japan	35.7367N	140.8617E	28	From 1986-08-22 to 1986-11-08
Chowiet Island	CHW	Alaska,U.S.A.	56.0333N	156.7120W	160	From 1974-01-01
Choya	CYA	Catamarca,Argentina	28.4417S	65.8020W	570	From 1971-02-01
Chr Bro Hi School	CBHT	Tennessee,U.S.A.	35.1326N	89.8657W	79	
Chr Cany lake	CCCA	California,U.S.A.	35.5249N	117.3645W	670	
Chrisman Ranch, Davenport	C09A	Washington,U.S.A.	47.8006N	118.2741W	495	From 2006-09-19 to 2009-01-08
Christchurch	CHR	South Island,New Zealand	43.5328S	172.6270E	8	From 1902-01-01 to 2003-09-09
Christianburg	CBT	Tennessee,U.S.A.	35.5394N	84.4206W	357	
Christmas Canyon	XMS	California,U.S.A.	35.5233N	117.3550W	704	
Christmas Creek	CKR	Alaska,U.S.A.	64.6680N	160.5305W	671	
Christmas Island	XMI	Christmas Island	10.4495S	105.6895E	277	From 1976-09-27
Christmas Island	XMIS	Christmas Island	10.4807S	105.6519E	243	From 2005-08-16
Christmas Valley	J06A	Oregon,U.S.A.	43.2515N	120.1528W	1407	From 2006-01-31 to 2008-04-10
Chrome Mountain	CRMT	Montana,U.S.A.	45.4558N	110.1402W	2941	
Chua Tram	CTVN	Vietnam	20.9382N	105.6888E	50	
Chuberi	CBRG	Georgia	43.0617N	42.1768E	1148	From 1968-01-01
Chuchupate	CHP	California,U.S.A.	34.8083N	119.0120W	1590	From 1952-01-01 to 1952-11-30
Chudeng	CHUD	Xizang Zizhiqu,China	29.6981N	91.1361E	3771	From 2005-03-28
Chuian-Garon	CGT	Tajikistan	38.6500N	69.1500E		
Chulitna	CUT	Alaska,U.S.A.	62.4047N	150.2690W	168	From 1986-07-18
Chul'man	CLNS	Sakha,Russia	56.8369N	124.8931E	704	
Chumysh	CHMS	Kazakhstan	42.9986N	74.7513E	655	
Chuncheon	KSCHC	South Korea	37.7776N	127.8145E	241	
Chungju	KSCHJ	South Korea	36.8729N	127.9748E	219	
Chupsang	CHUS	Xizang Zizhiqu,China	29.9970N	90.7462E	4113	From 2005-08-25
Chupungnyeong	KSCPN	South Korea	36.2169N	127.9913E	242	From 2000-02-24
CHUPUNGNYEONG	KSCPR	South Korea	36.2210N	127.9719E	284	From 2006-12-30
Chur	CHU	Switzerland	46.8499N	9.5367E	630	
Church	CHB	Alaska,U.S.A.	64.2577N	149.1700W	196	
Church Bay	WCB1	Wales,United Kingdom	53.3782N	4.5467W	139	From 1985-01-01
Church Hills	CHTN	Tennessee,U.S.A.	36.5847N	82.7200W	558	From 1983-02-10 to 1986-01-09

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Churchill	CH-MT	Manitoba,Canada	58.6069N	93.8167W	38	From 1965-10-22 to 1965-11-09
Churchill	CH-	Manitoba,Canada	58.6069N	93.8167W	38	From 1965-10-22 to 1965-11-09
Churui	JCH	Tokachi,Japan	42.6143N	143.3623E	120	
Chusal	CHS	Tajikistan	39.1000N	70.7667E	1670	
Chushkaly	CHKK	Kazakhstan	43.8700N	77.0001E	510	
Chutung	TWR	Taiwan region	24.6401N	121.0786E	760	From 1974-02-11
Chvalec	CHVC	Czech Republic	50.5881N	16.0547E	598	From 2009-05-20
Chylin	CYP	Poland	51.2933N	23.3000E	100	From 1976-01-01 to 1991-12-31
Cibinong	KMSI	Sulawesi,Indonesia	0.5745N	123.9807E	0	From 2007-12-01
Cibinong	CNJI	Jawa,Indonesia	7.3090S	107.1296E	0	From 2007-12-01
Cibinong	CGJI	Jawa,Indonesia	6.6135S	105.6929E	0	From 2007-12-01
Cicekdag	CDAG	Turkey	39.6236N	34.3719E	1136	From 2005-03-23
Cicese	CCX	California,U.S.A.	31.8683N	116.6633W	30	
Cienega Rd	AN14*	California,U.S.A.	36.7092N	121.3430W	305	From 1969-05-29
Cienega Road	BCGM	California,U.S.A.	36.7092N	121.3430W	305	From 1969-05-29
Cihanbeyli	CHBY	Turkey	38.5823N	32.8901E	1086	From 2010-06-29
Cilcuayo	CIVM	Mexico D.F.,Mexico	19.1032N	98.9858W	3530	
Cilicap	CLJI	Jawa,Indonesia	7.7187S	109.0150E	46	From 2005-01-01
Cilov Adasi	ZHI	Azerbaijan	40.3250N	50.5900E	-24	From 1968-01-01
Cima Grappa	CGRP	Italy	45.8800N	11.8000E	1757	
Cimarron	R21A	Colorado,U.S.A.	38.3685N	107.5501W	2260	From 2007-11-14 to 2010-02-07
Cimerak	CMJI	Jawa,Indonesia	7.7837S	108.4485E	0	From 2007-12-01
Cimolais	CIMO	Italy	46.3100N	12.4400E	610	
Cinarcik-Koru-Yalova	SBT1	Turkey	40.7056N	29.1491E	-1260	From 2010-12-31
Cincinnati	CNN	Ohio,U.S.A.	39.1450N	84.4967W	203	From 1927-01-01 to 1963-12-31
Cine	CIN	Turkey	37.6000N	28.0867E	120	From 1956-06-01
Cingoli	CING	Italy	43.3756N	13.1954E	626	From 2003-11-19
Ciorogarla	CIOR	Romania	44.4489N	25.8799E	138	From 2003-11-02
Cipolletti	CIP	Rio Negro,Argentina	38.9333S	68.1333W		
Cipreses	CICH	O'Higgins,Chile	34.3198S	70.4205W	1200	
Circle Bar Ranch, Crane	J08A	Oregon,U.S.A.	43.3580N	118.4743W	1229	From 2006-06-28 to 2009-01-08
Circle Bar Ranch, Sunflower	Y16A	Arizona,U.S.A.	33.8798N	111.4783W	1068	From 2007-03-21 to 2008-12-02
Circle Diamond K Ranch, Victoria	736A	Texas,U.S.A.	28.9550N	97.0673W	45	From 2010-04-18
Circle Dot Ranch, Maxwell	U25A	New Mexico,U.S.A.	36.3998N	104.4081W	1845	From 2008-05-12
Circle Ranch, Eureka	P11A	Nevada,U.S.A.	39.5530N	115.7536W	1787	From 2006-05-28 to 2008-09-09
Circular Butte	CRBI	Idaho,U.S.A.	43.8303N	112.6350W	1543	
Cirque	CRQM	Alaska,U.S.A.	60.7567N	143.1390W	1853	From 1988-07-01
Cisc	CISC	Cuba	20.0020N	75.7710W		
Cisompet, Garut	CISI	Jawa,Indonesia	7.5557S	107.8153E	544	From 2008-07-21
Cisternazza	ECIS	Sicily,Italy	37.8360N	14.9953E	1342	From 1992-10-01
Citeko	CBJI	Jawa,Indonesia	6.4200S	106.8500E	0	
Cittanova	ME10	Italy	38.3029N	16.1953E	728	From 2007-11-21 to 2009-02-05
Citt' di Castello	CDCA	Italy	43.4584N	12.2336E	50	From 2006-07-13
City College NY	CNY	New York,U.S.A.	40.8217N	73.9533W		
Ciudad Altamirano	CDAM	Guerrero,Mexico	18.3500N	100.6500W	300	
Ciudad Guzman	CGX	Jalisco,Mexico	19.6917N	103.5080W	1530	
Ciudad Serdan	IISM	Puebla,Mexico	18.9880N	97.3768W		
Civita di Ruta - Ottati	CDRU	Italy	40.4896N	15.3046E	1057	From 2005-10-13
Civitella Cesi - VT	TO09	Italy	42.1868N	12.0181E	220	From 2009-01-14 to 2009-04-02
Clabaugh Cattle Company, Gillette	H23A	Wyoming,U.S.A.	44.5620N	105.4007W	1213	From 2008-10-18
Clairette	234A	Texas,U.S.A.	32.0040N	98.1368W	358	From 2009-11-17
Clancy	CMT	Montana,U.S.A.	46.5167N	111.9330W	1402	From 1974-01-01
Clara Peak	CLP	New Mexico,U.S.A.	36.0358N	106.2400W	2591	From 1973-09-01
Clark Canyon Reservoir	CCMT	Montana,U.S.A.	44.9150N	112.8740W	1926	From 1985-07-24 to 1989-08-30
Clarke City	SMQ	Quebec,Canada	50.2225N	66.7028W	344	
Clark Hill Reservoir	IVAG	Georgia,U.S.A.	34.2721N	82.7460W	168	
Clark Hill Reservoir	BEVG	Georgia,U.S.A.	34.0893N	82.7333W	158	
Clark Hill Reservoir	LDVG	Georgia,U.S.A.	34.1478N	82.6833W	162	
Clark Hill Reservoir	CH5	Georgia,U.S.A.	33.7333N	82.3250W	132	From 1975-12-01
Clark Hill Reservoir	CH6	Georgia,U.S.A.	33.8792N	82.5194W	146	From 1975-12-01
Clark State Community College	CSCO	Ohio,U.S.A.	39.8950N	83.7980W	304	
Clarkstown	CLAR	New York,U.S.A.	41.1887N	74.0037W	76	
Clark Valley	GCK	California,U.S.A.	39.5438N	122.4367W	251	
Clausthal	CLZ	Niedersachsen,Germany	51.8416N	10.3724E	680	
Claut1	CLA1	Italy	46.2660N	12.5170E	612	
ClautB	CLAB	Italy	46.2720N	12.5120E	672	
Clavier	BCLA	Belgium	50.4196N	5.3029E	235	From 1991-10-29
Clay Center	CCNE	Nebraska,U.S.A.	40.5037N	97.9367W	529	
Clayton	CT-OK	Oklahoma,U.S.A.	34.4881N	95.1272W	305	From 1962-07-14 to 1962-10-05
Clayton	CT-	Oklahoma,U.S.A.	34.4881N	95.1272W	305	From 1962-07-14 to 1962-10-05
Clayton Basin, Artesia	126A	New Mexico,U.S.A.	32.6462N	104.0204W	1032	From 2008-03-15 to 2010-02-16
Clear Creek Butte	CCB	Alaska,U.S.A.	64.6467N	147.8050W	219	From 1971-02-25
Clear Creek Ranch, Tonopah	Q10A	Nevada,U.S.A.	38.8247N	116.3999W	2027	From 2007-02-05 to 2008-09-13
Clear Mews	CMA	Alaska,U.S.A.	64.2900N	149.1800W	181	From 1964-01-01 to 1974-01-31
Clearmont	H22A	Wyoming,U.S.A.	44.5943N	106.3521W	1276	From 2008-10-09
Cle Elum	D06A	Washington,U.S.A.	47.1935N	120.8445W	575	From 2006-09-12 to 2008-05-12
Clemmons Ranch, Yeso	X25A	New Mexico,U.S.A.	34.5271N	104.6621W	1494	From 2008-04-27
Clermont-Ferrand	CFF	Auvergne,France	45.7630N	3.1112E	400	From 1984-11-01
Clermont-Ferrand	NE16	Auvergne,France	45.7630N	3.1112E	400	From 1984-11-01 to 2001-07-28
Cleve	CLV	South Australia,Australia	33.6911S	136.4960E	238	From 1963-10-01
Cleveland	CLE	Ohio,U.S.A.	41.4888N	81.5321W	328	
Cleveland Dam	CLVB	British Columbia,Canada	49.3817N	123.1447W	427	
Cleveland Museum of Natural History	CLEO	Ohio,U.S.A.	41.5120N	81.6140W	192	
Cliffside	CFM	Montana,U.S.A.	48.2081N	115.4580W	886	From 1971-02-01 to 1974-07-09
Cliffs of the Neuse	CNNC	North Carolina,U.S.A.	35.2393N	77.8901W	29	
Climax Mine	NYM	Nevada,U.S.A.	37.2313N	116.0520W	1603	From 1971-01-01 to 1973-01-31
CLINCENI	CLIR	Romania	44.3784N	25.9414E	88	From 2008-11-06
Clinton	CLIN	New York,U.S.A.	41.8750N	73.8490W	168	From 1978-05-01 to 1983-02-25
Clinton	E14A	Montana,U.S.A.	46.4162N	113.4926W	1675	From 2006-10-12 to 2009-06-12
Clintwood	CI-	Virginia,U.S.A.	37.1936N	82.4158W	549	From 1962-10-15 to 1962-10-27
Clintwood	CI-VA	Virginia,U.S.A.	37.1936N	82.4158W	549	From 1962-10-15 to 1962-10-27
Closani	CLO	Romania	45.0739N	22.8019E	335	From 1982-09-01
Cloverdale	GCVM	California,U.S.A.	38.7697N	123.0140W	150	From 1975-05-07
Clover Valley, Wells	N12A	Nevada,U.S.A.	40.8522N	115.0387W	1786	From 2006-05-10 to 2008-08-09
Cludinico	CLUD	Italy	46.4569N	12.8814E	635	From 2011-02-15
Cluj	CLU	Romania	46.7500N	23.6500E		
Cluj-Napoca	CJR	Romania	46.7133N	23.5981E	750	From 1979-01-01
Cluj-Napoca	CJR1	Romania	46.7661N	23.5514E	345	From 1985-12-01
Clyde	CYZ	South Island,New Zealand	45.1458S	169.3290E	606	From 1984-04-04 to 2003-08-15
Clyde River	CLRN	Nunavut,Canada	70.4743N	68.5871W	9	From 2011-01-13
Coachella	COA	California,U.S.A.	32.8635N	115.1230W	35	From 1973-04-16
Coal Bank Pass, Durango	S21A	Colorado,U.S.A.	37.6620N	107.7917W	2723	From 2007-12-05 to 2010-02-07
Coamo	CCA	Puerto Rico	18.0696N	66.3263W	269	From 1977-02-15 to 1999-08-25
Coast Env Seattle	KDKW	Washington,U.S.A.	47.5950N	122.3335W	4	
Coatepeque	COAS	El Salvador	13.8867N	89.5719W	1260	
Cobalt	G13A	Idaho,U.S.A.	45.0931N	114.2329W	1538	From 2006-11-14 to 2009-06-04
Cobano	CAO	Costa Rica	9.7012N	85.1033W	263	From 1984-11-01
Cobar Meteorology Station	CMSA	New South Wales,Australia	31.5375S	145.6916E	220	From 2001-06-26
Cobar Meteorology Station	CMS	New South Wales,Australia	31.4867S	145.8283E	255	From 1982-12-06 to 1999-08-25
Cobb Dam	CDZ	South Island,New Zealand	41.0955S	172.7130E	780	From 1989-11-30 to 1990-04-25
Cobblestone Ranch, Loring	A20A	Montana,U.S.A.	48.8799N	107.9257W	868	From 2008-09-11 to 2010-07-20
Cobb Mountain	GCMM	California,U.S.A.	38.8058N	122.7550W	1286	From 1975-04-23
Cobb River	COB	South Island,New Zealand	41.0878S	172.7340E	213	From 1949-07-01 to 1990-02-25
Cobleskill	CONY	New York,U.S.A.	42.6658N	74.4688W	468	From 2001-07-14 to 2006-02-28
Cobquecura	COBQ	Bio-Bio,Chile	36.1077S	72.7440W	100	
Cobquecura	COCH	Bio-Bio,Chile	36.1313S	72.7884W	23	
Cochabamba	CCH	Bolivia	17.3842S	66.1342W	2650	
Cochiti	COH	New Mexico,U.S.A.	35.5802N	106.3050W	1646	From 1976-01-01
Cochrane	CHRN	Chile	47.1457S	72.7525W	198	From 2009-09-07
Coco Island	ICCO	Costa Rica,Costa Rica	5.5436N	87.0567W	10	From 2007-09-23
Cocos Island	CCK	Cocos Islands	12.2000S	96.9000E		
Codavolpe	ECDV	Sicily,Italy	37.7010N	15.1620E	230	From 1994-10-01
Codolo	CODM	Italy	44.3908N	9.8500E	580	From 1999-03-01
Codrington	CPB	Barbuda,Antigua and Barbuda	17.6400N	61.8260W	5	From 1980-07-09
Codroy Newfoundland	CODG	Newfoundland,Canada	47.8406N	59.2535W	50	From 2005-10-06
Cody	CZ-	Nebraska,U.S.A.	42.8750N	101.2417W	975	
Cody	CZ-NB	Nebraska,U.S.A.	42.8750N	101.2417W	975	
Coen	COEN	Queensland,Australia	13.9574S	143.1749E	285	From 2002-10-03
Coe Ranch	COE	California,U.S.A.	37.2590N	121.6735W	329	From 1967-10-03 to 2011-07-23

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Coe Ranch	CCOM	California,U.S.A.	37.2590N	121.6735W	329	From 1967-10-03 to 2011-07-23
Coe Ranch Number 3	CCOB	California,U.S.A.	37.2590N	121.6731W	371	
Cofrada	COFN	Nicaragua	12.1500N	86.1100W	50	
Cogollos-Vega	ECOG	Spain	37.2772N	3.5664W	1176	From 1990-06-13
Cohagen	D22A	Montana,U.S.A.	47.1498N	106.1797W	791	From 2008-09-06
Cohasset Ridge	OCHM	California,U.S.A.	39.8758N	121.7660W	530	From 1976-12-17
Coimbra	COI	Portugal	40.2080N	8.4124W	140	
Coimbra	PCOI	Portugal	40.1585N	8.4662W	174	
Coker Ranch, Turkey	X30A	Texas,U.S.A.	34.4461N	100.8740W	698	From 2009-03-12
Cokeville	L17A	Wyoming,U.S.A.	42.0995N	110.8727W	1996	From 2007-11-04 to 2009-05-06
Colby Mountain	LCMM	California,U.S.A.	40.1465N	121.5210W	1829	
Colchester	TCR	England,United Kingdom	51.8349N	0.9125E	40	From 1989-01-01
Colchester	COV	Vermont,U.S.A.	44.5777N	73.1458W	85	From 1976-11-01 to 1980-08-31
Cold Bay	CBA	Alaska,U.S.A.	55.1750N	162.7330W		
Cold Bay	CBY	Alaska,U.S.A.	55.1887N	162.7040W	20	From 1993-06-01
Col de Zad	CZD	Morocco	33.0330N	5.0430W	2356	From 1992-01-01
Coldfoot	COLD	Alaska,U.S.A.	67.2274N	150.2013W	377	
Cold Spring	COSP	New York,U.S.A.	41.4407N	73.9282W	128	
Cold Spring Mountain	GCSM	California,U.S.A.	39.0228N	123.5212W	695	
Cold Spring River	CSRY	New York,U.S.A.	43.9692N	74.1750W		From 1983-10-01 to 1986-10-31
Cold Springs	KCSM	California,U.S.A.	40.5377N	123.5130W	1640	From 1992-08-13
Cold Springs	CSPT	Tennessee,U.S.A.	35.7610N	83.8240W	335	From 1983-10-28
Col du Perthus	PERF	Languedoc-Rousillon,France	42.4856N	2.8742E	490	From 1989-01-01 to 1999-10-06
Coldwater Canyon	CWCR	California,U.S.A.	37.4948N	118.3060W	2000	From 1984-08-10 to 2002-10-10
Coldwater, Mount Saint Helens	B201	Washington,U.S.A.	46.3033N	122.2648W	752	
Coleburn Distillery	MCD	Scotland,United Kingdom	57.5828N	3.2542W	280	From 1981-06-01
Colegio Aleman	DSCH	Santiago,Chile	33.3985S	70.5688W	699	
Coleman	CLM	Alberta,Canada	49.6350N	114.5200W		
Coleman	232A	Texas,U.S.A.	31.8880N	99.6469W	621	From 2009-03-07
Coleville	R06C	California,U.S.A.	38.5226N	119.4509W	1698	From 2005-08-04 to 2008-03-15
Coley Creek	SCCK	South Carolina,U.S.A.	35.0228N	82.9915W	701	
Coleyville	CVJ	Jamaica	18.2262N	77.5348W	985	
Colfax	CF-	Wisconsin,U.S.A.	45.0942N	91.7664W	366	From 1962-11-04 to 1962-12-12
Colfax	CF-WS	Wisconsin,U.S.A.	45.0942N	91.7664W	366	From 1962-11-04 to 1962-12-12
Coligny	CGY	Transvaal,South Africa	26.3483S	26.3750E		From 1986-01-01 to 1999-01-31
Colima	CMX	Colima,Mexico	19.1808N	103.6910W	779	From 1986-01-01
Colima	COLM	Colima,Mexico	19.1808N	103.6910W	779	From 1986-01-01
Collangettes	COLF	Auvergne,France	45.5178N	3.6945E	740	
Col Las Americas	LACH	Metropolitana,Chile	33.4518S	70.5308W	690	From 2006-04-01
Colle Belvedere (Rocca di Mezzo)	RM24	Italy	42.1710N	13.4724E	1565	From 2009-04-22 to 2009-09-01
Collebrencioni	RM07	Italy	42.4050N	13.4065E	1133	From 2009-04-06 to 2009-08-31
College	COLA	Alaska,U.S.A.	64.8738N	147.8511W	74	From 1996-01-01
College--Fairbanks	CMO	Alaska,U.S.A.	64.8600N	147.8350W	183	From 1949-01-01 to 1977-12-31
College Fiord	CFI	Alaska,U.S.A.	61.1827N	147.7670W	3	From 1974-07-31
College of the Siskiyous	LCSM	California,U.S.A.	41.4162N	122.3925W	1125	
College of Wooster	COWO	Ohio,U.S.A.	40.8158N	81.9378W	328	
College Outpost	COL	Alaska,U.S.A.	64.9000N	147.7933W	320	
Collenoveri	RM11	Italy	42.5382N	13.2772E	931	From 2009-04-07 to 2010-02-15
Collepietro	T0110	Italy	42.2264N	13.7791E	915	From 2009-09-02
Colle Roio	RM02	Italy	42.3430N	13.3283E	787	From 2009-04-06 to 2009-06-17
Colle San Martino	SMB1	Italy	41.3968N	14.7184E	819	
Colliano	CLLN	Italy	40.7177N	15.3180E	1207	From 2004-09-23
Colli (Barete)	RM05	Italy	42.4387N	13.2588E	890	From 2009-04-06 to 2009-09-01
Collier Ranch, Chico	Z34A	Texas,U.S.A.	33.3712N	97.9158W	341	From 2009-11-10
Collingwood	CLWO	Ontario,Canada	44.4491N	80.3013W	485	
Collinsville	CVLQ	Queensland,Australia	20.5900S	147.6090E	102	From 1985-04-03
Collinsville	HGA	Alabama,U.S.A.	34.2602N	85.8464W	384	
Collm	CLL	Sachsen,Germany	51.3077N	13.0026E	230	
Collurania	CLR	Italy	42.6667N	13.7167E		
Coloane	MCO	Macao,China	22.1219N	113.5580E	174	
Cologne	CLG	Nordrhein-Westfalen,Germany	50.9283N	6.9350E	0	
Colombo	COC	Sri Lanka	6.9000N	79.8667E	7	
Colome	CO-SD	South Dakota,U.S.A.	43.2867N	99.6703W	640	From 1962-07-06 to 1962-07-11
Colome	CO-	South Dakota,U.S.A.	43.2867N	99.6703W	640	From 1962-07-06 to 1962-07-11
Colon	COLN	O'Higgins,Chile	34.0667S	70.4567W	2160	
Colon	ECO	Panama	9.3638N	79.6937W	468	From 1990-10-17
Colon	ECO2	Panama	9.3218N	79.6837W	450	
Colonesti	CLI	Romania	46.5500N	27.2833E	502	
Colonia	COLC	Costa Rica	10.6652N	85.2037W	445	From 2000-01-01
Colonia del Valle	CVM	Mexico D.F.,Mexico	19.3821N	99.1785W		
Colonia Sabana	CSB	Puerto Rico	18.2897N	66.1567W	470	From 1975-07-30
Colony High School	CHSA	Alaska,U.S.A.	61.6080N	149.2120W	112	
Colorado	COCR	Costa Rica	10.5527N	83.6708W	10	
Colorado Mnmt	CMCO	Colorado,U.S.A.	39.1026N	108.7380W	1756	
Coloredo	COLI	Italy	46.1333N	13.3783E	250	From 1977-05-06
Col San Antonio	HUMP	Puerto Rico	18.1421N	65.8498W	79	
Colson Canyon	SCCM	California,U.S.A.	34.9413N	120.1720W	610	
Colson Canyon	BCC	California,U.S.A.	34.9397N	120.1720W	610	From 1969-11-24
Colter Canyon	COLW	Wyoming,U.S.A.	43.9623N	110.6960W	2079	From 1986-01-01
Colton High School	COLT	Oregon,U.S.A.	45.1703N	122.4369W	213	
Columbia	COTN	Tennessee,U.S.A.	35.7842N	86.9707W	320	
Columbia	CSC	South Carolina,U.S.A.	34.0000N	81.0333W	94	From 1931-01-01 to 1973-09-30
Columbia College	CMB	California,U.S.A.	38.0346N	120.3865W	697	From 1986-11-06
Columbo, Santorini Isl.	CMBO	Greece	36.4709N	25.4056E	108	From 2011-02-02
Columbus	CUN	Nebraska,U.S.A.	41.4789N	97.3800W	467	
Columbus	COLR	Nevada,U.S.A.	38.1447N	118.0542W	1835	
Col Varnada, Mel (BL)	VARN	Italy	45.9933N	12.1047E	870	From 2006-11-16
Colville	CLW	Washington,U.S.A.	48.5933N	117.8820W	585	From 1975-06-01 to 1976-11-30
Colville Lake	CLVN	Northwest Territories,Canada	67.0390N	126.0779W	263	From 2010-07-18
Colville Reservation, Omak	B08A	Washington,U.S.A.	48.3584N	119.3332W	696	From 2006-11-07 to 2008-11-12
Comanche National Grassland Park, Kim	T26A	Colorado,U.S.A.	37.1747N	103.5933W	1830	From 2009-01-10
Combarbala	CMCH	Coquimbo,Chile	31.1735S	71.0013W	906	
Combe Brimond	CBBF	Provence-Cote d'Azur,France	44.5965N	6.8535E	1980	From 1989-11-06
Combe Farm	DCO	England,United Kingdom	50.3200N	3.8724W	410	From 1982-01-01
Combovin	OG16	Rhone-Alpes,France	44.8500N	5.0975E	775	From 1990-04-05
Comb Ridge	CRTN	Tennessee,U.S.A.	36.1998N	83.8407W	488	
Comitan	CCIG	Chiapas,Mexico	16.2820N	92.1370W	1500	
Comitan	COM	Chiapas,Mexico	16.2533N	92.1281W	1528	
Comitan 2	COM2	Chiapas,Mexico	16.2417N	92.1372W		
Commelle	OG08	Rhone-Alpes,France	45.4482N	5.2397E	550	From 1989-02-13
Compton	COOC	California,U.S.A.	33.8960N	118.2164W	-31	
Concepcio@15n	U14B	Concepcion,Chile	36.8579S	73.0798W	27	
Concepcion	CONC	Concepcion,Chile	36.8295S	73.0353W	60	
Concepcion	CON	Concepcion,Chile	36.8281S	73.0450W	15	
Concepcion	CONN	Nicaragua	11.5642N	85.6257W	250	
Concesio	CNCS	Italy	45.6060N	10.2170E	126	From 2006-05-03
Conchagua	CNCH	El Salvador	13.2763N	87.8337W	1056	
Con Chiusa Politi	EPOL	Sicily,Italy	37.8625N	14.9915E	830	From 1994-10-01
Con Con	CCCH	Valparaiso,Chile	32.9228S	71.5158W	45	
Concord--Diablo Valley College	CNC	California,U.S.A.	37.9667N	122.0720W	36	From 1960-09-12 to 1966-12-06
Concordia	CNK	Kansas,U.S.A.	39.5080N	97.7130W	465	From 1978-04-18 to 2001-07-15
Concordia, Antarctica	CCD	East Antarctica	75.1065S	123.3050E	3240	From 2007-01-01
Concrete	CE-WA	Washington,U.S.A.	48.5225N	121.6872W	274	From 1962-10-15 to 1962-10-27
Concrete	CE-	Washington,U.S.A.	48.5225N	121.6872W	274	From 1962-10-15 to 1962-10-27
Con Cuong	CCVB	Vietnam	19.0485N	104.8768E	30	From 2008-01-01
Condor	PP03	Peru	13.5412S	75.5242W	1400	
Cone Peak	CPK	Hawaii,U.S.A.	19.3950N	155.3280W	1038	From 1967-11-01
Congro	PCNG	Azores,Portugal	37.7670N	25.3960W	578	From 2003-01-01
Conil	CNIL	Spain	36.3700N	6.0545W	63	
Connealy Angus Ranch, Whitman	L28A	Nebraska,U.S.A.	42.0073N	101.5196W	1155	From 2009-06-05
Connel	CNL	Washington,U.S.A.	46.6530N	118.9170W	293	From 1970-06-01 to 1975-02-28
Connelly Farm, Tescott	Q33A	Kansas,U.S.A.	38.9982N	97.8327W	422	From 2009-10-27
Conner	APYP	Luzon,Philippines	17.8620N	121.2430E	50	
Conniff Cattle Co., Rinco	122A	New Mexico,U.S.A.	32.6995N	107.0005W	1333	From 2008-02-01 to 2009-12-09
Cono NE Rev Volc	CONE	Ecuador	0.0699S	77.6425W	2685	From 2003-03-08
Conover	COWI	Wisconsin,U.S.A.	46.1003N	89.1369W	523	
Conrad Observatory	CSNA	Austria	47.9282N	15.8588E	1039	From 2006-12-13
Conrad Observatory	CONA	Austria	47.9282N	15.8618E	1046	
CONSTANTA	CCF	Romania	44.1434N	28.6730E	35	From 2007-08-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Constantine	CNS	Algeria	36.3700N	6.6125E	670	
Constantine	CCO1	England,United Kingdom	50.1357N	5.1957W	168	From 1981-01-01
Constitucion	CONS	Maule,Chile	35.3229S	72.4131W	110	
Constitucion	CTCH	Maule,Chile	35.3308S	72.4119W	10	From 2004-09-08
Contact Creek	CNTC	Alaska,U.S.A.	58.2645N	155.8837W	1158	From 1996-08-01
Contao	CNTO	Chile	41.8022S	72.7182W	10	From 2008-05-06
Contrada Cassone	ECCS	Sicily,Italy	37.7105N	15.0643E	1500	From 1994-10-01
Contwyoto Lake 2	COWN	Northwest Territories,Canada	65.2679N	111.1860W	513	
Conway	CW-	Arkansas,U.S.A.	35.1356N	91.9778W	152	From 1962-05-09 to 1962-06-09
Conway	CW-AR	Arkansas,U.S.A.	35.1356N	91.9778W	152	From 1962-05-09 to 1962-06-09
Cook Canyon	CKC	California,U.S.A.	34.1363N	117.1750W	550	
Cookes Peak, Deming	121A	New Mexico,U.S.A.	32.5324N	107.7851W	1652	From 2008-02-12
Cook Lake	COKN	Northwest Territories,Canada	63.2702N	108.7623W	357	From 2008-07-10
Cook Peak	WCOM	California,U.S.A.	35.6225N	118.4380W	1609	
Cook Ranch	COK	California,U.S.A.	32.8492N	115.7270W	-15	From 1973-04-16
Coolgardie	COOL	Western Australia,Australia	30.8838S	121.1450E	500	From 1988-08-01 to 2006-05-29
Coonabarabran	EPSO	New South Wales,Australia	31.2601S	149.2209E	563	From 2009-12-01
Cooney Tunnel	COO	New South Wales,Australia	30.5778S	151.8917E	653	From 1974-08-17 to 1999-08-25
Coon Peak	CPU	Utah,U.S.A.	40.6731N	112.1900W	2228	From 1974-11-01
Cooper Cave	CPCT	Tennessee,U.S.A.	35.4498N	84.5218W	275	
Cooper Hill	PQ0	Maine,U.S.A.	44.9863N	67.4674W	219	
Cooper Mountain	CMTX	Texas,U.S.A.	33.0105N	100.8420W	811	
Coopers Lake	CKM	Montana,U.S.A.	47.0666N	112.9100W	1353	From 1974-08-02 to 1976-10-31
Copaltepe	COPN	Nicaragua	12.1800N	86.5917W	150	
Copenhagen	COP	Denmark	55.6853N	12.4325E	13	From 1962-01-01
Copete-Rev Volc	ECOPE	Ecuador	0.1061S	77.6206W	2350	From 2003-02-17 to 2003-09-01
Copeton	COPM	New South Wales,Australia	29.9178S	150.9347E	571	
Copiapo	CPCH	Atacama,Chile	27.3580S	70.3530W	371	
Copiapo	CPP	Atacama,Chile	27.3542S	70.3511W	384	
Coppermine	CMC	Northwest Territories,Canada	67.8333N	115.0833W	31	From 1963-03-15 to 1969-12-06
Copper Mountain	CPM	California,U.S.A.	34.1540N	116.1970W	937	
Copperopolis	MCUM	California,U.S.A.	37.9727N	120.6170W	336	From 1972-04-19
Coppito (AQ)	T0109	Italy	42.3600N	13.3382E	754	From 2009-04-08 to 2009-04-09
Coquitlam Dam	COQB	British Columbia,Canada	49.3542N	122.7747W	161	
Corbin	CBN	Virginia,U.S.A.	38.2046N	77.3732W	70	From 1971-01-01
Corbin	CNV	Virginia,U.S.A.	38.2050N	77.3733W	70	From 1978-07-01
Corcelles	OG35	Rhone-Alpes	46.0445N	5.5715E	900	From 2008-04-04
Corcovado	CHP2	Peru	4.6161S	80.8131W	200	From 1979-12-01
Cordova	CDI	Alaska,U.S.A.	60.4967N	145.4933W	65	From 1964-04-02 to 1964-05-08
Cordova	CVA	Alaska,U.S.A.	60.5465N	145.7490W	90	From 1971-08-31
Cordova Ski Area	EYAK	Alaska,U.S.A.	60.5493N	145.7479W	146	
Cordoza Dairy	HCZM	California,U.S.A.	36.9090N	121.8000W	30	From 1975-11-13
Corfu	CRF	Washington,U.S.A.	46.8250N	119.3870W	189	From 1970-07-01
Corinaldo	CRN	Italy	43.6308N	12.9978E	271	
Corinaldo (AN)	AD04	Italy	43.6440N	13.0398E	227	From 2010-03-31
Cork	CORK	Ireland	51.8833N	8.4667W		From 1914-01-01 to 1942-12-31
Corleone	CORL	Sicily,Italy	37.8943N	13.3038E	660	From 2006-04-19
Corleto Perticara	COPE	Italy	40.3834N	16.0692E	800	
Corlu	CRLT	Turkey	41.1290N	27.7360E	230	From 2002-01-01
Corn Cob Canyon	HCOM	California,U.S.A.	36.8875N	121.7080W	134	From 1975-11-19
Corn Creek	U11A	Nevada,U.S.A.	36.4230N	115.3835W	867	From 2006-06-20 to 2008-10-13
Corn Creek, Alamo	T11A	Nevada,U.S.A.	37.2408N	115.2202W	1402	From 2007-02-11 to 2008-09-16
Cornell	CN-	Wisconsin,U.S.A.	45.1928N	91.1281W	320	From 1962-05-10 to 1962-06-28
Cornell	CN-WS	Wisconsin,U.S.A.	45.1928N	91.1281W	320	From 1962-05-10 to 1962-06-28
Cornellia Hill	CORN	Puerto Rico	18.1635N	67.1794W	8	
Corner Brook	CBK	Newfoundland,Canada	48.9197N	57.9697W	380	
Cornuda. Italy	MCOR	Italy	45.8371N	11.9887E	394	From 2010-06-29
Cornudas Mountain, Dell City	224A	Texas,U.S.A.	32.0760N	105.5226W	1487	From 2008-02-28 to 2010-01-16
Cornudas Mountains	MNTX	Texas,U.S.A.	31.6985N	105.3821W	404	
Coroa da Mata	PMAT	Azores,Portugal	37.8160N	25.4710W	240	From 2003-01-01
Coron	BUSP	Palawan,Philippines	12.0030N	120.1990E	66	
Corona	CRNC	California,U.S.A.	33.8757N	117.5611W	135	
Corona Quarry	COQ	California,U.S.A.	33.8605N	117.5097W	205	From 1976-01-01
Coronation Park	CORO	Tasmania,Australia	41.4522S	147.1450E	30	From 1996-01-01
Coronel Fontana	CFA	San Juan,Argentina	31.6026S	68.2331W	713	
Coronel Fontana	CFAA	San Juan,Argentina	31.6047S	68.2376W	577	From 2004-12-22
Corral Hollow	CSTL	California,U.S.A.	37.6392N	121.4980W	205	From 1981-02-18
Correggio	CODE	Italy	44.7980N	10.7150E	27	
Correggio Bag	ZAVE	Italy	44.7542N	10.7030E	33	
Correggio Fan	FANE	Italy	44.7670N	10.7362E	33	
Correggio Man	MAN1	Italy	44.7822N	10.7855E	29	
Correggio--Silva	SILE	Italy	44.7550N	10.7970E	33	
Corrie	PCOU	Scotland,United Kingdom	55.9880N	4.1002W	267	From 1990-01-01 to 1991-01-01
Corte	CORF	Corse,France	42.2980N	9.1530E	475	From 2005-06-22
Cortez Mining, Crescent City	O10A	Nevada,U.S.A.	40.2917N	116.4999W	1470	From 2006-05-16 to 2008-08-15
Corum	CORM	Turkey	40.1785N	34.6302E	1292	From 2004-12-15
Corum	CTKT	Turkey	40.6231N	34.7897E	1650	From 2002-03-01
Corum-Alaca	COAL	Turkey	40.2548N	34.9860E	1154	From 2010-11-30
Corum_Osmancik	CTAK	Turkey	40.6478N	34.7914E	1775	From 2011-05-31
Corvallis	COR	Oregon,U.S.A.	44.5857N	123.3030W	121	From 1950-12-01
Cosiguina	COS	Nicaragua	12.9580N	87.5752W	500	From 1975-01-01
Coso Basin North	CBHM	California,U.S.A.	35.9882N	117.7500W	890	From 1975-09-26
Coso Springs S	WCSM	California,U.S.A.	36.0263N	117.7670W	1143	From 1975-09-26
Coso Springs South	CSSM	California,U.S.A.	36.0263N	117.7670W	1143	From 1975-09-26
Costa Raja	CRJA	Sicily,Italy	37.8016N	13.0043E	560	From 2000-07-01
Cotabato	CTB	Mindanao,Philippines	7.2000N	124.2000E	50	
Cotabato--PC Hill	CTBH	Mindanao,Philippines	7.2210N	124.2460E	50	
Cotacachi	COTA	Ecuador	0.3350N	78.3378W	4020	From 1988-07-22
Cotillion Park	DCA3	Alberta,Canada	56.1665N	119.6977W	284	
Cotoan	CTCR	Costa Rica	8.8962N	82.7593W	1620	From 1989-01-01
Cotopaxi 1	VC1	Ecuador	0.6420S	78.4030W	4103	From 1988-07-08
Cotopaxi Volc	COV1	Ecuador	0.6621S	78.3437W	4979	From 2001-12-15
Cotopaxi Volcano	BMOR	Ecuador	0.7308S	78.4588W	4337	From 2007-07-01
Cotopaxi Volcano	BNAS	Ecuador	0.6713S	78.4805W	3919	From 2007-07-01
Cotopaxi Volcano	BREF	Ecuador	0.6697S	78.4405W	4859	From 2007-07-01
Cotopaxi Volcano	BVC2	Ecuador	0.6575S	78.4118W	4408	From 2007-07-01
Cotopaxi Volcano	BTAM	Ecuador	0.6750S	78.3968W	4292	From 2007-07-01
Cotopaxi Volc (N)	PITA	Ecuador	0.5585S	78.4326W	3610	From 2001-12-03
Cotopaxi Vol south	MOV1	Ecuador	0.7132S	78.4405W	4782	From 2002-01-11
Cottongarden Point	CGPV	Virgin Islands	17.7635N	64.5842W	40	
Cotton Hill	PSDMB	Dominica	15.5850N	61.4570W	40	
Cottonwood	COTR	Nevada,U.S.A.	38.6417N	118.7718W	1890	
Cottonwood Creek	CWC	California,U.S.A.	36.4399N	118.0802W	1553	From 1965-10-13
Cottonwood Mountains	CTW	California,U.S.A.	33.6773N	115.8721W	504	From 1977-08-24
Cottonwood Point	CWPT	Missouri,U.S.A.	36.0091N	89.6264W	76	
Cournillens	SCOU	Switzerland	46.8540N	7.1037E	600	From 2008-04-16
Court-Saint-Etienne	BCES	Belgium	50.6061N	4.5767E	167	From 2010-07-13
Covasna	CVO	Romania	45.8222N	26.1739E	635	From 1982-09-01
Cove	G09A	Oregon,U.S.A.	45.2781N	117.7802W	1027	From 2006-08-11 to 2008-07-17
Cove Fort	CFU	Utah,U.S.A.	38.6189N	112.5390W	2012	
Cove Ranch, Picabo	J13A	Idaho,U.S.A.	43.3979N	114.1742W	1552	From 2006-12-09 to 2009-06-02
Covington	CVTN	Tennessee,U.S.A.	35.5415N	89.6435W	101	
Cowboy Ranch, Jiggs	O11A	Nevada,U.S.A.	40.1313N	115.6570W	1948	From 2006-05-17 to 2008-08-12
Cow Camps Rge	CCRT	Tennessee,U.S.A.	35.4660N	84.0540W	940	From 1983-11-06
Cow Castle Creek	COW	South Carolina,U.S.A.	33.3817N	80.6993W	60	From 1977-10-23
Cowlitz River	CWZ	Washington,U.S.A.	46.4910N	122.0120W	305	
Cow Mountain	GCWM	California,U.S.A.	39.1308N	123.0760W	1089	
Coxcomb Mountains 2	CO2	California,U.S.A.	33.8472N	115.3447W	276	
Cox Ranch, Sanderson	528A	Texas,U.S.A.	30.1615N	102.7880W	1183	From 2008-03-18 to 2010-02-11
Coyhaique	COYC	Patagonia,Argentina	45.5729S	72.0813W	235	From 2004-12-20
Coyote D'meter	CYD1	California,U.S.A.	37.5629N	122.0967W	-23	
Coyote Hills	LT8	California,U.S.A.	37.5590N	122.0940W	38	From 1966-12-15 to 1975-04-29
Coyote Hills	CCYM	California,U.S.A.	37.5517N	122.0910W	67	From 1975-05-01
Coyote Hills	CYH	California,U.S.A.	37.5590N	122.0940W	38	From 1966-12-15 to 1975-04-29
Coyote Hollow	CHOI	Idaho,U.S.A.	43.3125N	111.2130W	2103	From 1986-01-01
Coyote Mountain	COY	California,U.S.A.	33.3640N	116.3110W	232	From 1976-01-01 to 2008-06-11
Coyotepe	CYN	Nicaragua	11.9958N	86.0987W	345	From 2000-04-01
Coyote Point	JCPM	California,U.S.A.	37.5882N	122.3220W	14	
Cozia	COZ	Romania	45.3205N	24.3425E	1610	From 1982-09-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
CP-1	CPX	Nevada,U.S.A.	36.9300N	116.0550W	1285	From 1961-01-01 to 1991-01-14
CP-1	CPY	Nevada,U.S.A.	36.9319N	116.0559W	1304	From 1991-01-14 to 2002-10-10
CP-17	CPN	Nevada,U.S.A.	37.1438N	116.2710W	1759	From 1965-01-01 to 1970-12-31
CRAAG	ESS	Algeria	36.0000N	3.1000E	400	
Craco	CRAC	Italy	40.3650N	16.4350E	384	From 2006-02-22
Crafton Hills	CFT	California,U.S.A.	34.0352N	117.1110W	671	From 1975-01-01
Craig	CRAG	Alaska,U.S.A.	55.4689N	133.1230W	57	
Craig	CGC	Colorado,U.S.A.	40.5233N	107.5620W	1925	From 1970-01-01 to 1972-11-30
Craig Goch	HCG	Wales,United Kingdom	52.3225N	3.6567W	511	From 1980-11-01
Craigsville	CX-WV	West Virginia,U.S.A.	38.3231N	80.6403W	732	
Craigsville	CX-	West Virginia,U.S.A.	38.3231N	80.6403W	732	
CRAIOVA	CRAR	Romania	44.3250N	23.7999E	125	From 2004-06-28
CR and CF Franklin Farms, Melrose	X26A	New Mexico,U.S.A.	34.5508N	103.8103W	1393	From 2008-04-29
Crane	KR-OR	Oregon,U.S.A.	43.4175N	118.5122W	1402	
Crane	KR-	Oregon,U.S.A.	43.4175N	118.5122W	1402	
Crater	A10	Costa Rica	10.4611N	84.7156W	830	
Crater GGP	CGGP	Ecuador	0.1765S	78.6058W	4400	From 1993-03-13
Crateri Nord Est	ECNE	Sicily,Italy	37.7653N	15.0019E	2957	From 2009-09-23
Crater Lake	VCLM	Oregon,U.S.A.	42.8785N	122.1200W	2048	
Crater Peak	CRP	Alaska,U.S.A.	61.2670N	152.1550W	1622	From 1981-08-26
Crater Peak Alternate	CPAM	Alaska,U.S.A.	61.2548N	152.1420W	1192	From 1992-10-29
Crater Peak Rim	CPKM	Alaska,U.S.A.	61.2633N	152.2330W	2017	From 1991-10-01
Crater Peak Two	CP2	Alaska,U.S.A.	61.2642N	152.2420W	1981	From 1992-10-26
Craters of Moon	COMI	Idaho,U.S.A.	43.4618N	113.5940W	1890	From 1992-01-01
Crater Summit	SSV	St Vincent,Saint Vincent and the Grenadines	13.3270N	61.1930W	824	From 1979-01-16
Crazy Canyon	PCCM	California,U.S.A.	36.0898N	121.1636W	372	
Crazy Man Mountain	CZM	Washington,U.S.A.	46.4353N	122.5060W	620	From 1980-04-01
Creal Springs	CSIL	Illinois,U.S.A.	37.6319N	88.7900W	168	
Creighton Mine,Sudbury	DSNO	Ontario,Canada	46.4715N	81.1870W	-1723	From 2006-11-09
Creighton Mine,Sudbury	SSNO	Ontario,Canada	46.4715N	81.1870W	277	From 2006-11-09
Crescent City	M01C	California,U.S.A.	41.8473N	124.1221W	38	From 2006-05-19 to 2007-11-16
Crescent Cliff	LCFM	California,U.S.A.	40.4863N	121.5240W	840	From 1976-11-12
Crested Butte, Gunnison	Q22A	Colorado,U.S.A.	38.8627N	106.9096W	2727	From 2007-12-18 to 2010-02-07
Crestline	CSL	California,U.S.A.	34.2497N	117.2780W	1490	
Crete	CR-NB	Nebraska,U.S.A.	40.6644N	96.8542W	442	From 1965-10-26 to 1966-10-14
Crete	CTN	Nebraska,U.S.A.	40.6222N	96.9483W	432	
Crete	CR-	Nebraska,U.S.A.	40.6644N	96.8542W	442	From 1965-10-26 to 1966-10-14
Crete	CR2NB	Nebraska,U.S.A.	40.6367N	96.8483W	418	
Creve Coeur	CCMO	Missouri,U.S.A.	38.7200N	90.4670W	152	
Crevison Peak	HCPM	California,U.S.A.	37.1945N	121.1850W	513	From 1979-11-15 to 1988-02-15
Cripan	ECRI	Spain	42.6089N	2.5100W	807	From 1986-10-01
Cripple Cowboy Ranch, Baxter Pass	P19A	Colorado,U.S.A.	39.6333N	108.9812W	2099	From 2007-08-21 to 2010-02-07
Cripps Ranch, Grass Range	D19A	Montana,U.S.A.	47.1646N	108.8800W	1047	From 2008-08-29
Criterion Ridge	CROR	Oregon,U.S.A.	44.9828N	120.9880W	1015	From 1987-08-01
Crittenden County--Downhole	CRID	Arkansas,U.S.A.	35.3020N	90.3330W	36	From 1982-03-16
Crittenden County--Surface	CRIS	Arkansas,U.S.A.	35.3020N	90.3330W	64	From 1981-12-16
Crivoux	CREF	Provence-Cote d'Azur,France	44.5495N	6.6228E	1680	From 1993-05-12
Crni Vrh	CRNS	Slovenia	46.0807N	14.2613E	689	
Crocker Grade	CRGC	California,U.S.A.	35.2422N	119.7249W	1169	From 1976-06-01
Crocket Farms Inc., Mclean	W30A	Texas,U.S.A.	35.1818N	100.5770W	870	From 2009-03-25
Crockett	338A	Texas,U.S.A.	31.3567N	95.3106W	137	From 2010-02-18
Croghan	CROG	New York,U.S.A.	43.9050N	75.4125W	244	From 1977-07-27 to 1986-09-30
Croghan	DCN	Ireland	53.3439N	7.2767W	150	From 1976-11-01
Crook	LCK	England,United Kingdom	54.3595N	2.8715W	200	From 1989-01-01 to 1992-10-13
Cross D Ranch, Liberty	539A	Texas,U.S.A.	30.1084N	94.7236W	15	From 2010-04-13
Cross Fire Station	CFS	South Carolina,U.S.A.	33.2787N	80.1693W	26	From 1988-05-30
Cross River	CRNY	New York,U.S.A.	41.3118N	73.5482W	293	From 1981-12-01
Crosstimbers Borehole	TUL0	Oklahoma,U.S.A.	35.9126N	95.7903W	-571	
Crossville	CS-TN	Tennessee,U.S.A.	35.8153N	85.1594W	579	From 1963-01-01 to 1963-03-21
Crossville	CS-	Tennessee,U.S.A.	35.8153N	85.1594W	579	From 1963-01-01 to 1963-03-21
Crow Canyon Rd	CCNM	California,U.S.A.	37.7915N	121.9480W	219	From 1976-02-05
Crow Canyon Road	CYC	California,U.S.A.	37.7915N	121.9480W	219	From 1976-02-05
Crowheart	J19A	Wyoming,U.S.A.	43.2649N	109.0531W	1782	From 2008-08-08
Crowley Lake	CLKR	California,U.S.A.	37.5907N	118.8240W	2576	From 1979-11-01
Crown Mine	CMN	Nevada,U.S.A.	40.8160N	117.5280W	1792	From 1964-01-01 to 1999-08-25
Crown Mines	CRWM	Transvaal,South Africa	26.2370S	28.0150E	1704	From 2010-02-10
Crown Point	CPI	Idaho,U.S.A.	43.8667N	116.3000W		
Crows Nest Canyon	CNCI	Idaho,U.S.A.	43.9290N	113.4530W	1914	From 1992-01-01
Crozet Islands	CRZF	Crozet Islands	46.4296S	51.8612E	140	From 1986-04-01
Crutchfield	CRU	Kentucky,U.S.A.	36.5950N	89.0200W	127	From 1974-07-12
Crystal Lake	CLY	New York,U.S.A.	43.8513N	74.4490W	579	From 1971-09-01 to 1982-12-31
Crystal Springs Elementary School	CSEN	Washington,U.S.A.	47.8000N	122.2100W		
Csakvar	PKSC	Hungary	47.3806N	18.4371E	200	
CSIRO Animal Health Laboratory	GEAM	Victoria,Australia	38.1530S	144.3890E	100	
Cs^‡kako	CSKK	Hungary	47.3631N	18.2605E	320	From 2009-05-08
Cu@15pira	CUPV	Venezuela	10.0570N	65.7880W	668	From 2002-10-23
Cuddapah	CUD	India	14.4759N	78.7661E	137	
Cudjo Caverns	CCVA	Virginia,U.S.A.	36.6030N	83.6670W	571	From 1982-10-06
Cuesta del Viento	ACDV	San Juan,Argentina	30.1703S	69.1206W	1630	
Cueva Verdes	CDLV	Canary Islands,Spain	29.1631N	13.4439W	37	
Cuglieri	CUG	Sardinia,Italy	40.1869N	8.5698E	445	
Cuida Lopez Mateos	AZVM	Mexico D.F.,Mexico	19.5848N	99.2830W	2409	From 2009-01-01
Cuipilapa	CUI	Costa Rica,Costa Rica	10.6577N	85.1640W	560	
Cukurca	CUKT	Turkey	37.2474N	43.6076E	1298	From 2005-10-01
Culebra	CULB	Puerto Rico	18.3260N	65.3010W	161	
Culebra	CUP	Puerto Rico	18.3350N	65.3090W	120	From 1975-07-01 to 1999-08-25
Culiacan	CUL	Sinaloa,Mexico	24.8080N	107.3160W		
Cultus Mountains	CMW	Washington,U.S.A.	48.4237N	122.1190W	1190	
Cumana	CUM	Venezuela	10.4650N	64.1700W	24	From 1969-08-01
Cumanacoa	COAV	Venezuela	10.1580N	63.8270W	1232	
Cumbal	CMBC	Colombia	0.8594N	77.8419W	3420	From 1994-01-01
Cumberland Camp Nunavut	CMBN	Northwest Territories,Canada	65.6861N	64.4481W	289	From 2009-08-17
Cumberland Gap	CG-	Virginia,U.S.A.	36.6264N	83.2600W	396	From 1962-06-01 to 1965-07-23
Cumberland Gap	CG-VA	Virginia,U.S.A.	36.6264N	83.2600W	396	From 1962-06-01 to 1965-07-23
Cumberland Gap	CGTN	Tennessee,U.S.A.	36.5580N	83.7110W	704	From 1981-10-23 to 1982-04-03
Cumberland Plat.	CPO5	Tennessee,U.S.A.	35.6038N	85.5735W	570	
Cumberland Plateau	CPO	Tennessee,U.S.A.	35.5948N	85.5704W	574	From 1963-02-13 to 1999-08-25
Cumberland Plateau	RSCP	Tennessee,U.S.A.	35.6000N	85.5689W	581	
Cumberland Plateau	CPOT	Tennessee,U.S.A.	35.6038N	85.5735W	570	
Cumberland Plateau Observatory	CP-SO	Tennessee,U.S.A.	35.5947N	85.5706W	574	
Cumbre	CUMB	Ecuador	0.6700S	78.4300W	5820	
Cumshewa	CWB	British Columbia,Canada	53.1581N	131.9970W	620	From 1985-09-01
Cunda Adasi-Balikesir	CUND	Turkey	39.3361N	26.6685E	73	From 2011-04-02
Cupa	CUPA	Ecuador	0.3665N	79.5000W	113	From 1994-08-08
Curaglia	CUNA	Switzerland	46.6711N	8.8467E	1400	From 2009-12-02
Curarigua	CURV	Venezuela	10.0130N	69.9610W	750	From 2002-06-20
Curley Farm, La Sal	R19A	Utah,U.S.A.	38.2916N	109.2607W	2035	From 2007-06-24 to 2009-03-06
Currant	CU-NV	Nevada,U.S.A.	38.6772N	115.4550W	1646	From 1963-09-09 to 1964-03-09
Currant	CND	Nevada,U.S.A.	38.8320N	115.2900W	2292	From 1975-11-01
Currant	CU-	Nevada,U.S.A.	38.6772N	115.4550W	1646	From 1963-09-09 to 1964-03-09
Currie	O12A	Nevada,U.S.A.	40.2679N	114.7454W	1743	From 2006-05-18 to 2008-09-03
Curry Mountain	PCRM	California,U.S.A.	36.0938N	120.4350W	296	From 1975-09-04
Cushendall	GCL	Northern Ireland,United Kingdom	55.0760N	6.1300W	275	From 1989-01-01
Cusmapa	CUSS	El Salvador	13.9092N	89.9472W	678	
Cusp Creek	CCC	British Columbia,Canada	56.1233N	122.3000W		From 1967-12-01 to 1973-04-06
Cussignacco Udine	CUSI	Italy	46.0370N	13.2530E	90	
Cusua	CUSU	Ecuador	1.4428S	78.4805W	2700	
Cuyoaco	CUPM	Puebla,Mexico	19.6036N	97.6186W	2450	
Cuyo Island	CUYO	Palawan,Philippines	10.8500N	121.0180E	196	
Cuzco	CUS	Peru	13.5633S	71.8767W	3240	
Cuzco--Tambomachay	PR05	Peru	13.4780S	71.9590W	3858	
Cypress Bend	CBD	Missouri,U.S.A.	36.3170N	89.6510W	84	From 1985-06-21
Dabaa	DABA	Egypt	31.0098N	28.2814E	92	
Dabajuro	DABV	Venezuela	10.9220N	70.6360W	152	From 2002-04-17
Dabo	DSRI	Peninsular Malaysia,Malaysia	0.4793S	104.5778E	58	From 2005-01-01
Dabrowa Gornicza	DGP	Poland	50.3292N	19.2142E	275	
Daday	BALT	Turkey	41.5342N	33.3858E	1746	From 1994-06-01
Daegu	KSDAG	South Korea	35.7685N	128.8970E	263	From 2001-12-05
Daegwallycong	KSDGY	South Korea	37.6904N	128.6742E	791	From 2001-12-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Daejeon	KSTEJ	South Korea	36.3681N	127.3712E	68	
Dafare	DAF	Djibouti	11.6077N	42.5292E	270	From 1976-03-01
Dagmar	DGMT	Montana,U.S.A.	48.4702N	104.1959W	646	
Dahal	DHLJ	Jordan	30.8200N	35.4020E	-80	From 1990-02-23
Dahanechah	IDAH	Iran	32.7390N	59.8680E	2277	From 2005-12-01
Dakar	DAK	Senegal	14.6667N	17.4333W	30	
Dake	DAKH	Aomori,Japan	40.6311N	140.2725E	525	
Dakhla	HDK1	Egypt	25.5432N	29.4028E	568	From 2001-02-10
Dalandzadgad	DZD	Mongolia	43.5700N	104.4100E	1485	
Dalbeg	DLBQ	Queensland,Australia	20.1491S	147.2670E	116	From 1984-04-09
Dale	535A	Texas,U.S.A.	30.0290N	97.5711W	170	From 2009-12-16
Dale-Ortello Valley, Anselmo	M30A	Nebraska,U.S.A.	41.5371N	99.8723W	853	From 2009-05-18
Dalfsen	NE38	Netherlands	52.5038N	6.2592E	3	
Dalhousie	DLH	Himachal Pradesh,India	32.5417N	75.9667E	1960	
Dalia	MDAL	Morocco	35.9000N	5.4810W	30	From 2000-06-10
Dalian	DL2	Liaoning,China	38.9061N	121.6280E	62	From 1983-08-01
Dallas	J30A	South Dakota,U.S.A.	43.3248N	99.4922W	608	From 2009-09-17
Dallas	DAL	Texas,U.S.A.	32.8461N	96.7839W	187	From 1953-12-14
Dallas	DLS	Texas,U.S.A.	32.8778N	96.7056W	169	From 1971-02-20 to 1975-12-31
Dalny	DALK	Kamchatskaya Oblast',Russia	53.0311N	158.7536E	67	From 2009-06-28
Dalselv	N1R6	Norway	66.2610N	13.9700E	85	
Dalton	DALG	Georgia,U.S.A.	34.6088N	85.0137W	457	
Dalton	DLT	California,U.S.A.	34.1700N	117.8108W	478	From 1950-07-20 to 1959-08-29
Dalton Mountain	DMMT	Montana,U.S.A.	46.8623N	112.7150W	2039	From 1987-11-19 to 1990-07-10
Dalton (NSW)	DLN	New South Wales,Australia	34.7233S	149.1820E	550	From 1961-01-01 to 1972-08-09
Dalton Road	CDAL	California,U.S.A.	37.7300N	121.7280W	190	From 1980-02-01
Dalyan (Mudla)	DALT	Turkey	36.7691N	28.6371E	548	From 2004-08-17 to 2009-04-08
Dalyan (Mu¨la)	DALY	Turkey	36.8171N	28.6536E	3	From 2009-04-09
Daman	DMN	Nepal	27.6090N	85.1060E	2225	From 1980-03-27
Damascus University	DUSS	Syria	33.5110N	36.2880E	667	
Damavand	IDMV	Iran	35.5772N	52.0322E	2546	From 1996-01-01
Damavand	DAMV	Iran	35.6302N	51.9708E	2300	From 2004-01-19
Dampier	DAM	Western Australia,Australia	20.6667S	116.6670E		
Damuels	DAVA	Austria	47.2867N	9.8803E	1602	
Dana Ranch, Cascade	D16A	Montana,U.S.A.	47.0308N	111.5492W	1427	From 2007-09-27 to 2009-07-14
Danby, Needles	DANC	California,U.S.A.	34.6375N	115.3812W	428	From 1998-09-22
Danda	WDT	Taiwan region	23.7560N	121.1330E	2550	
Dandelion	DAH	Hawaii,U.S.A.	19.3570N	155.6670W	3003	
Dane	DAN	Ontario,Canada	48.0667N	80.0167W		
Daneborg	DBG	Greenland,Greenland	74.3071N	20.2193W	107	From 2010-08-11
Dangsing	DANN	Nepal	28.3500N	83.7600E	2500	From 1994-04-01
Daniels Canyon	DAU	Utah,U.S.A.	40.4125N	111.2560W	2771	From 1974-11-01
Danmarks Havn	DAG	Greenland	76.7714N	18.6547W	30	From 1972-09-14
Dannemora	DANY	New York,U.S.A.	44.8357N	73.7572W	507	From 1977-09-16 to 1982-05-13
Dannevirke	DVHZ	North Island,New Zealand	40.3006S	176.1664E	469	From 2008-01-14
Dannevirke	DNN	North Island,New Zealand	40.2167S	176.1170E	219	From 1932-07-01 to 1934-10-31
Dan Oppiter Farms, Dalhart	V27A	Texas,U.S.A.	35.7569N	102.8361W	1228	From 2009-04-14
Danville	A09A	Washington,U.S.A.	48.9752N	118.5851W	931	From 2006-09-13 to 2008-05-17
Daraweish	JDRJ	Jordan	30.7280N	35.6660E	1365	From 1990-04-26
Daraweish	JRDJ	Jordan	30.7280N	35.6660E	1365	From 1990-04-26
Darb Altahta	DRBT	Syria	36.8513N	39.8112E	596	From 2002-04-01
Darband	DBP	Pakistan	34.3760N	72.8710E	704	
Darby	F13A	Montana,U.S.A.	45.7893N	114.3317W	1462	From 2006-10-18 to 2009-06-11
Darende-Malatya	DARE	Turkey	38.5712N	37.4832E	1080	From 2007-07-31
Dar Kharkhour	DKH	Morocco	35.4880N	5.3608W	1237	
Darkhovein	SCNT	Iran	30.7070N	48.3901E	1	From 2010-08-11
Dar Kodiat	DKD	Morocco	30.3600N	9.1460W	345	From 2001-06-02
Darlington East Ontario	DREO	Ontario,Canada	43.8724N	78.7040W	94	From 2007-06-22
Darlington West Ontario	DRWO	Ontario,Canada	43.8719N	78.7300W	59	From 2007-06-20
Darmstadt	WBB	Hessen,Germany	49.8434N	8.6626E	240	From 2003-01-10
Darouich	DRWC	Syria	36.6211N	36.6667E	920	From 1995-08-01
Dartmouth	DRT	Victoria,Australia	36.5833S	147.4920E	950	From 1975-12-01
Dartmouth Bedrock	DDBM	Victoria,Australia	36.5578S	147.5115E	329	
Dartmouth Crest	DDCM	Victoria,Australia	36.5609S	147.5241E	494	
Dartmouth Digital	DTMM	Victoria,Australia	36.5293S	147.4686E	436	
Daru	DNG	Papua New Guinea	9.0885S	143.2060E	3	
Darwin	DAR	Northern Territory,Australia	12.4083S	130.8180E	6	
Darwin (Calif)	DAC	California,U.S.A.	36.2770N	117.5937W	1813	From 1960-06-01
Darwin Parliament House	DPH	Northern Territory,Australia	12.4667S	130.8423E	45	From 2009-01-01
Darwin Rock Store	DRS	Northern Territory,Australia	12.4313S	130.8993E	44	From 2009-01-01
Dashabbas	IDSA	Iran	32.4828N	47.8416E	0	From 1998-01-01
Datca	DAT	Turkey	36.7290N	27.5778E	1100	From 2005-10-08
Datca-Mugla	DATC	Turkey	36.7592N	27.6606E	89	From 2011-04-07
Datong	TTC	Shanxi,China	40.1350N	113.2370E	1175	
Davao	DAP	Mindanao,Philippines	7.0667N	125.6000E	19	From 1972-01-01 to 1999-08-25
Davao City--Mintal	DMPH	Mindanao,Philippines	7.0830N	125.5080E	150	
Davao City (W)	DAV	Mindanao,Philippines	7.0700N	125.5790E	145	From 1964-08-24
Davao Weather Station	DWP	Mindanao,Philippines	7.1272N	125.6557E		
Davenport	DPW	Washington,U.S.A.	47.8706N	118.2030W	892	From 1986-11-01
Davenport	DVW	Washington,U.S.A.	47.6383N	118.2260W	717	From 1975-06-01
Davenport Ranch, Sheffield	429A	Texas,U.S.A.	30.6248N	101.8938W	804	From 2009-02-13
David	DVD	Panama	8.4358N	82.4506W	20	From 1986-06-01
David-gareji	DGRG	Georgia	41.4507N	45.3732E	690	
Da Vinci Academy	DAIL	Illinois,U.S.A.	41.9776N	88.3414W	647	
Davis Peak	DPD	California,U.S.A.	35.2330N	120.7817W	488	
Davis Ranch, Arriba	P26A	Colorado,U.S.A.	39.5602N	103.3465W	1566	From 2008-12-02
Davos	DAVON	Switzerland	46.8368N	9.7967E	2800	
Davos	DAVOS	Switzerland	46.8394N	9.7939E	2800	From 1974-09-10 to 2002-02-15
Davos/Dischmatal	DAVOX	Switzerland	46.7805N	9.8795E	1830	From 2002-07-25
Dawson	DAWY	Yukon Territory,Canada	64.0655N	139.3910W	808	From 1992-09-30
Dawson City	DWY	Yukon Territory,Canada	64.0533N	139.4320W	346	From 1984-09-17
Dawson Falls	DFE	North Island,New Zealand	39.3275S	174.1036E	880	From 1992-06-01
Dawson Inlet	DAWS	British Columbia,Canada	53.2340N	132.4782W	211	
Dawson Inlet, BC	DIB	British Columbia,Canada	53.2025N	132.4767W	68	From 2004-03-15
DAWSON INLET T-PHASE SITE S1	H02S1	British Columbia	53.2025N	132.4766W	66	From 2006-11-20
Day	DAY	Djibouti	11.7527N	42.6382E		
Dayton	DYTN	Tennessee,U.S.A.	35.4910N	85.0920W	580	
Deadman Bay	DMB	Alaska,U.S.A.	57.0872N	153.9600W	300	From 1975-10-01
Deadman Peak	DMPK	New Mexico,U.S.A.	36.4264N	106.7760W	2664	From 1976-11-22
Dead Sea	DSI	Israel	31.5700N	35.3800E	200	
Dead Sea Dam 2	DSD2	Israel	31.1800N	35.4400E	-390	
Deagu-acc	KSDAU	South Korea	35.8856N	128.6187E	0	From 2007-12-11
Dease Lake	DLBC	British Columbia,Canada	58.4372N	130.0270W	978	From 1994-09-28
Dease Lake	DLB	British Columbia,Canada	58.4270N	130.0610W	1210	
Death Valley	DV-CL	California,U.S.A.	35.8333N	116.1017W	792	From 1962-01-20 to 1962-04-23
Death Valley	DV-	California,U.S.A.	35.8333N	116.1017W	792	From 1962-01-20 to 1962-04-23
De Beque	P20A	Colorado,U.S.A.	39.4998N	108.3912W	1738	From 2007-12-08 to 2010-02-07
De Bilt	DBN	Netherlands	52.1017N	5.1767E	3	From 1908-08-01
Debin	DBI	Magadanskaya Oblast',Russia	62.3390N	150.7550E	332	
Debrecen	DEB	Hungary	47.5611N	21.6389E	0	
Deception Hills	DHAK	Alaska,U.S.A.	59.0912N	138.2136W	678	
Deception Island	DEC	South Shetland Islands	62.9833S	60.7167W	7	
Deep Cove	DCZ	South Island,New Zealand	45.4783S	167.1540E	20	From 1991-05-28
Deep Springs	DSP	California,U.S.A.	37.3700N	117.9700W	0	
Deer Creek Reservoir	DCU	Utah,U.S.A.	40.4137N	111.5270W	1829	From 1974-11-01
Deer Hill, Carlsbad	225A	New Mexico,U.S.A.	32.1101N	104.8229W	1703	From 2008-03-26 to 2010-02-19
Deer Island	DRIA	Alaska,U.S.A.	54.9661N	162.2629W	457	From 1996-07-01
Deer Island	DRRA	Alaska,U.S.A.	54.9235N	162.2832W	380	
Deer Lake	DRLN	Newfoundland,Canada	49.2560N	57.5042W	238	From 1993-12-14
Deerlick Creek	DLC	Alabama,U.S.A.	33.2608N	87.4448W	137	
Deer Lodge	E15A	Montana,U.S.A.	46.4246N	112.6412W	1520	From 2006-10-10 to 2009-06-12
Degenried	ZUR	Switzerland	47.3692N	8.5809E	615	From 1913-01-01
Dehradun	DHDN	Himachal Pradesh,India	30.3280N	78.0143E	619	From 2007-05-01
Dehra Dun	DDI	Uttar Pradesh,India	30.3225N	78.0556E	682	
Dehrash	IDHR	Iran	34.6997N	46.3867E	1866	From 2004-01-01
Deir Qamar	DQRL	Lebanon	33.7057N	35.5702E	963	From 2010-03-30
Dekalb	DEK	Illinois,U.S.A.	41.9331N	88.7650W	259	From 1987-01-01
Delaikoro	NDE	Fiji	16.5860S	179.3176E	941	From 1981-11-01
Delamar Landing Field, Caliente	S12A	Nevada,U.S.A.	37.6083N	114.8489W	1479	From 2007-02-10 to 2008-09-17

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Delamar Mountains	DLM	Nevada,U.S.A.	37.6063N	114.7384W	1744	From 1978-06-08 to 2002-10-10
Del Amo	DLAC	California,U.S.A.	33.8482N	118.0962W	14	
Delary	DEL	Sweden	56.4700N	13.8700E	150	From 1969-10-25
Delary	DEL1	Sweden	56.4717N	13.8683E	150	From 1967-08-01 to 1969-10-24
Delaware Emergency Management Agency	DEMA	Delaware,U.S.A.	39.3187N	75.6098W	12	
Delaware (Ont)	DLA	Ontario,Canada	42.8583N	81.5733W	227	From 1975-06-01
Delcer	SLDE	St Lucia	13.8031N	61.0583W	246	
Delcommune	DCC	Congo (Kinshasa)	10.5100S	25.4550E	1437	
Delhi	DH-NY	New York,U.S.A.	42.2442N	74.8883W	652	From 1961-10-28 to 1965-11-15
Delhi	DH-	New York,U.S.A.	42.2442N	74.8883W	652	From 1961-10-28 to 1965-11-15
Delisi	TBLG	Georgia	41.7309N	44.7382E	510	From 1976-01-01
Dell	DLAR	Arkansas,U.S.A.	35.8097N	90.0080W	67	
Dellbruck	BA08	Nordrhein-Westfalen,Germany	50.9642N	7.0755E	58	From 2006-10-01
Delli Paoli	DPLY	New York,U.S.A.	41.2528N	73.9108W	67	
Dell Rapids	DL-SD	South Dakota,U.S.A.	43.8328N	96.7733W	488	From 1962-12-28 to 1963-03-21
Dell Rapids	DL-	South Dakota,U.S.A.	43.8328N	96.7733W	488	From 1962-12-28 to 1963-03-21
Delmo Park	DPM	Montana,U.S.A.	45.9690N	112.2690W	1855	From 1984-01-01 to 1985-07-22
Deloro Mine	DELO	Ontario,Canada	44.5177N	77.6186W	213	
Delta	DELX	Baja California,Mexico	32.3552N	115.1872W	28	From 1987-02-01
Delta Junction E	DJE	Alaska,U.S.A.	64.0280N	145.6790W	378	From 1990-06-07 to 2002-12-20
Delta Microwave	DMW	Alaska,U.S.A.	64.0563N	145.7310W	346	From 1986-01-01
Del Valle	CL1	California,U.S.A.	37.5663N	121.6800W	250	From 1979-10-10
Del Valle	CDVM	California,U.S.A.	37.5663N	121.6800W	250	From 1979-10-10
Demacu	DEIG	Mexico D.F.,Mexico	20.3012N	99.0353W	1994	From 2003-06-28
Demirci	DEMI	Turkey	39.0428N	28.7162E	920	From 2007-05-21
Demirkent	DDEM	Turkey	40.8923N	41.7507E	1149	From 2007-09-26
Demirkopru	DKP	Turkey	38.6142N	28.3128E	250	
Demirkoy	DMK	Turkey	41.8216N	27.7572E	315	From 1970-08-01 to 2003-02-28
Demirtas	DMT	Turkey	40.2750N	29.0972E	140	From 1978-08-01 to 1999-08-25
Demmitville	DMV	Missouri,U.S.A.	36.7040N	89.7450W	89	
Denali Highway	DHY	Alaska,U.S.A.	63.0763N	147.3730W	1615	From 1993-07-06
Denizli	DENT	Turkey	37.7540N	29.0330E	637	
Denniston	DNS	South Island,New Zealand	41.7381S	171.7960E	600	From 1968-05-25 to 1968-07-02
Denniston North	DSZ	South Island,New Zealand	41.7469S	171.8030E	630	From 1990-02-19
Denny Creek	YPDC	Montana,U.S.A.	44.7095N	111.2397W	2025	
Denpasar	DNP	Bali,Indonesia	8.6772S	115.2102E	15	From 1968-01-01
Denpasar	IGBI	Bali,Indonesia	8.8181S	115.1456E	0	From 2005-01-01
Dent	DEI	Idaho,U.S.A.	46.6400N	116.1990W	960	From 1971-10-01 to 1974-07-25
Dent Fell	XDE	England,United Kingdom	54.5058N	3.4897W	291	From 1983-04-15
Denton	DNT	Texas,U.S.A.	33.2167N	97.1333W	208	From 1925-01-01 to 1999-08-25
Denver	DEN	Colorado,U.S.A.	39.7917N	105.0330W	1655	From 1909-08-01
Denville	DENJ	New Jersey,U.S.A.	40.9662N	74.4642W	298	
Deoband	DBND	Uttar Pradesh,India	29.7167N	77.7312E	210	From 2007-05-01
Deokjeokdo	KSDEI	South Korea	37.2558N	126.1049E	0	From 2008-01-01
Deposit	DP-	New York,U.S.A.	42.0883N	75.4522W	579	From 1962-07-07 to 1962-07-17
Deposit	DP-NY	New York,U.S.A.	42.0883N	75.4522W	579	From 1962-07-07 to 1962-07-17
Deputatskiy	DEPR	Sakha,Russia	69.3920N	139.9020E	320	From 2003-08-27
Derazinda	DRP	Pakistan	31.7440N	70.2028E	638	
Derbent	DERT	Turkey	40.3558N	29.6760E	50	From 1994-01-01
Derbent	DRN	Dagestan,Russia	42.0300N	48.3300E	-28	
Derby	DVT	Vermont,U.S.A.	44.9620N	72.1709W	370	
Derby	DER	Colorado,U.S.A.	39.8678N	104.8840W		
Dersam	DNY	New York,U.S.A.	42.8363N	78.1688W	381	From 1971-07-01 to 1979-04-30
Derveni	DVI	Greece	38.1020N	22.4090E	410	From 2006-05-10
Desaguadero	DSG	Bolivia	16.5594S	69.0250W	3810	
Des Bee Dove	DBD	Utah,U.S.A.	39.3137N	111.0925W	2265	
Dese	DESE	Ethiopia	11.1180N	39.6352E	2538	From 1988-01-01
Desenzano Tresine	GRDT	Italy	45.4853N	10.5227E	137	From 2004-01-10
Desert	DES	Hawaii,U.S.A.	19.3367N	155.3880W	815	From 1958-07-01
Desert Coulee Ranch, Glasgow	C21A	Montana,U.S.A.	47.8264N	107.0960W	804	From 2008-09-04 to 2011-01-13
Desert Hot Springs	DHS	California,U.S.A.	33.9667N	116.5000W	330	From 1948-01-01 to 1949-03-31
Deserto Penisola Sorrentina	DPS	Italy	40.6100N	14.3651E	456	From 1972-12-01
Deserto P. S.	DP1	Italy	40.6100N	14.3651E	456	From 1972-12-01
Desert Rsrch Ctr	DREC	California,U.S.A.	32.8053N	115.4468W	-13	
Desert Studies Ctr	DSCC	California,U.S.A.	35.1426N	116.1039W	283	
Desert Tortoise Park	DTP	California,U.S.A.	35.2675N	117.8450W	951	
Desert V Tower	DVTC	California,U.S.A.	32.6591N	116.1006W	881	
Desfina	DESF	Greece	38.4127N	22.5321E	750	From 2008-06-12
Desfina	DSF	Greece	38.4112N	22.5271E	699	From 2008-02-28
Des Moines	DMI	Iowa,U.S.A.	41.6000N	93.6833W	296	From 1934-12-20 to 1937-06-30
Despedida	DSPA	Tierra del Fuego,Argentina	53.9536S	68.2668W	150	
Dessel	BDSL	Belgium	51.2168N	5.0648E	22	From 2008-11-01
Detroit Lake	H04A	Oregon,U.S.A.	44.6837N	122.1862W	652	From 2005-11-09 to 2008-12-03
Deva	DEV	Romania	45.8833N	22.9033E	250	From 1970-02-01
Devers	DEVC	California,U.S.A.	33.9360N	116.5779W	337	
Devilbend	DVBM	Victoria,Australia	38.2874S	145.0977E	75	
Devil Canyon	DVL	California,U.S.A.	34.1998N	117.3280W	598	From 1974-12-01 to 1976-11-30
Devil Mountain	DMA	Alaska,U.S.A.	66.3100N	164.5200W	243	From 1977-08-01
Devils Kitchen North	DKNM	California,U.S.A.	36.0510N	117.8088W	1347	
Devils Point	DVP	Vanuatu	17.7253S	168.1870E		
Devrek	DVR	Turkey	41.1594N	32.0075E	960	From 1991-01-01
Dezadeash Lake	DLY	Yukon Territory,Canada	60.3700N	137.0650W	738	From 1978-11-20 to 1981-03-31
Dgnorisa	DGN	Georgia	42.4666N	42.8333E	450	From 1979-01-01
Dhahab	HDHB	Egypt	28.7221N	34.6188E	19	
Dhahran	DHR	Saudi Arabia	26.3039N	50.1389E	72	
Dhama@18r BB	DHBB	Yemen	14.5710N	44.3900E	2460	
Dhamar	DHMR	Yemen	14.5610N	44.3870E	2429	From 1994-06-01
Dhamar	DAMY	Yemen	14.5725N	44.3917E	2488	
DHARAMSHALA	DHRM	Himachal Pradesh,India	32.2500N	76.3000E	1995	From 1998-09-20
Dharan Janob	DHJN	Saudi Arabia	17.6600N	43.4890E	2400	From 1990-06-13
Dharma Camp	DHRN	Northwest Territories,Canada	67.0331N	119.5088W	218	From 2009-07-15
Dharwar	DHD	Goa, Daman and Diu,India	15.4328N	74.9844E	755	
DHUBRI	DHUB	Assam	26.0201N	89.9955E	33	From 2011-05-01
Diablo Creek	DCD	California,U.S.A.	35.2122N	120.8408W	238	
Diadem	DMP	South Island,New Zealand	44.4142S	169.8270E	820	From 1975-06-01 to 1983-11-21
Diamond D Ranch, Stanley	H12A	Idaho,U.S.A.	44.5494N	114.8554W	1777	From 2006-11-17 to 2009-07-27
Diamond G Ranch, Dubois	I18A	Wyoming,U.S.A.	43.7013N	109.8171W	2322	From 2007-10-26 to 2009-09-18
Diamond Head	DHH	Hawaii,U.S.A.	21.2632N	157.8006W	125	From 1985-05-01
Diamond Ranch	DIR	California,U.S.A.	36.3363N	120.3760W	496	From 1973-11-07 to 1975-06-16
Diavik Mine	DVKN	Northwest Territories,Canada	64.5092N	110.3096W	420	
DIBRUGARH	DIBR	Assam	27.4676N	94.9112E	90	From 2011-05-01
Dickey	D1A	Maine,U.S.A.	47.0586N	69.0989W	305	From 1976-10-01 to 1999-01-31
Dickey	D2A	Maine,U.S.A.	47.1303N	69.1503W	402	From 1976-10-01 to 1999-08-25
Dickey	D3A	Maine,U.S.A.	47.0875N	69.1669W	259	From 1976-10-01 to 1999-08-25
Dickey	D4A	Maine,U.S.A.	47.1881N	69.2767W	490	
Dickey	D5A	Maine,U.S.A.	47.0113N	69.2650W	365	
Dickey	D6A	Maine,U.S.A.	47.0890N	69.4957W	430	
Dickinson College	DCP	Pennsylvania,U.S.A.	40.2040N	77.1970W	143	From 1990-01-14
Dider Farm, Eltopia	E08A	Washington,U.S.A.	46.4911N	119.0595W	233	From 2006-09-26 to 2008-12-03
Didima	DID	Greece	37.5063N	23.2368E	520	From 2006-04-10
Didim-Aydin	DIDI	Turkey	37.3766N	27.2398E	75	From 2011-04-19
Didyma	DIDY	Greece	37.4765N	23.2118E	1036	From 2008-10-13
Didziasalis	IDID	Lithuania	55.3148N	26.7390E	141	
Diego Garcia	DGAR	Chagos Archipelago	7.4121S	72.4525E	0	
DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	DGRP	Chagos Archipelago	7.3778S	72.4842E	1	From 2002-12-18
Dienbien	DBV	Vietnam	21.3900N	103.0250E	1050	
Difesa San Luca	DSB1	Italy	41.2872N	14.9769E	940	
Diga del Menta	ME05	Italy	38.1243N	15.8999E	1458	From 2007-10-22 to 2010-01-31
Digger Butte	LDBM	California,U.S.A.	40.4317N	121.7850W	1225	
Dighton	R30A	Kansas,U.S.A.	38.2844N	100.2769W	776	From 2009-04-16
DIGLIPUR	DGPR	Andaman Islands,India	13.1776N	92.9305E	30	From 2008-01-27
Digne	OGDI	Provence-Cote d'Azur,France	44.1100N	6.3003E	770	
Digne	OG29	Rhone-Alpes,France	44.0925N	6.2650E	685	From 1991-01-22
Digorskoe uzhel'e	DIGR	Severo-Osetinskaya,Russia	42.8994N	43.5807E	1907	From 2003-11-01
Dikili	DKL	Turkey	39.0713N	26.9054E	45	From 2010-07-22
Dikmen	DIKM	Turkey	41.6496N	35.2578E	258	From 2006-06-27
Dilar	DILR	Spain	37.0430N	3.6188W	1100	
Dilar	EXDI	Spain	37.0680N	3.6010W	898	
Dili	DLI	East Timor	8.5669S	125.5533E	0	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Dillingham	DLL	Alaska,U.S.A.	59.0000N	158.7000W	0	
Dillon	DI-	Montana,U.S.A.	45.1736N	112.4478W	1859	From 1966-05-23 to 1966-05-24
Dillon	G15A	Montana,U.S.A.	45.1660N	112.4887W	1857	From 2006-11-09 to 2009-06-09
Dillon	DI-MA	Montana,U.S.A.	45.1736N	112.4478W	1859	From 1966-05-23 to 1966-05-24
Dillon	DLMT	Montana,U.S.A.	45.3625N	112.5964W	1569	
Dillon Ranch	DIL	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dillon Ranch	AN5*	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dillon Ranch	HDLM	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dilts Ranch, Bill	J23A	Wyoming,U.S.A.	43.4036N	105.5524W	1499	From 2008-10-15
Dimbokro	DBIC	Ivory Coast	6.6701N	4.8563W	25	
DIMBOKRO INFRASONIC ARRAY REFERENCE POINT	DIMCI	Ivory Coast	6.6704N	4.8569W	156	From 2002-03-29
Dimitrovgrad	DIM	Bulgaria	42.0500N	25.5333E	160	
Dimmadalsˆ¡s	IDIM	Iceland	65.9615N	16.9319W	266	From 2008-11-20
Dimmitt	X28A	Texas,U.S.A.	34.5185N	102.1973W	1160	From 2009-01-22
Dimona	DIMI	Israel	31.0080N	35.1020E	520	
Dine' College, Tsaile	U19A	Arizona,U.S.A.	36.2925N	109.2076W	2166	From 2008-02-21
Dipolog	DIP	Mindanao,Philippines	8.6000N	123.3500E	3	From 1972-01-01 to 1972-10-31
Dipolog City	DCPH	Mindanao,Philippines	8.5830N	123.3520E	5	
Dirks Ranch, Alva	H24A	Wyoming,U.S.A.	44.7473N	104.5524W	1166	From 2008-10-20
Disappointment Valley, Cahone	S20A	Colorado,U.S.A.	37.8300N	108.3605W	2355	From 2008-06-19 to 2010-02-07
Discovery Mine	DSMN	Northwest Territories,Canada	63.1799N	113.9004W	307	
Disk Island	DSK	Alaska,U.S.A.	60.5020N	147.6470W	15	From 1974-07-27 to 1975-10-18
Disney	DWPF	Florida,U.S.A.	28.1103N	81.4328W	-142	
Divibare	DIVS	Serbia	44.0982N	19.9917E	996	From 2003-09-27
Divide	DIV	Alaska,U.S.A.	61.1295N	145.7717W	931	
Divide	Q24A	Colorado,U.S.A.	38.9641N	105.1492W	2775	From 2008-06-28
Divnogorie	VORD	Voronezhskaya Oblast',Russia	50.9660N	39.2930E	94	From 1998-02-01
Divnogorsk	DVG	Krasnoyarskiy Kray,Russia	55.9561N	92.4036E	241	From 2001-12-18
Divot King Ranch, Dilley	733A	Texas,U.S.A.	28.7192N	99.2939W	169	From 2009-12-03
Dixie Hot Springs	DIXR	Nevada,U.S.A.	39.8022N	118.0820W	1143	From 1980-01-01
Dixie Valley	P08A	Nevada,U.S.A.	39.6946N	118.0800W	1040	From 2006-02-26 to 2008-03-11
Dixon Ranch, Lance Creek	J24A	Wyoming,U.S.A.	43.3305N	104.6613W	1315	From 2008-10-25
Diyadin	DYDN	Turkey	39.5436N	43.6889E	2010	From 2006-09-13
Diyarbakir	DIY	Turkey	37.8958N	40.2263E	900	From 1994-01-06
Diyarbakir	DIYA	Turkey	37.9234N	40.1208E	838	From 2006-12-18
Diyarbakir	DYBB	Turkey	37.9531N	40.1394E	826	From 2009-12-10
Djebel Ababsia	CABS	Algeria	36.2733N	7.4778E	1025	
Djebel Ababsia	ABSA	Algeria	36.2733N	7.4778E	1025	
Djebel Berber	OJBR	Algeria	35.5835N	0.3450E	800	
Djebel Bou Affroun	DFRA	Algeria	36.5450N	5.8769E	1187	
Djebel Bou Ahmed	EBHM	Algeria	36.3772N	1.0758E	829	
Djebel Bou Ietas	OBLS	Algeria	34.9750N	0.4420W	1053	
Djebel Bou Maad	EBOM	Algeria	36.4222N	2.2128E	1225	
Djebel Bou Yalou	EBYL	Algeria	36.4242N	1.8325E	1051	
Djebel Djouab	ADJB	Algeria	36.1577N	3.4380E	1140	
Djebel Guires	OJGS	Algeria	35.5045N	0.7497E	920	
Djebel Kef Guellal	OKGL	Algeria	36.0380N	0.6430E	560	
Djebel Ketaf	AKET	Algeria	36.0470N	3.8822E	1428	
Djebel Kodjel	OKJL	Algeria	35.0405N	0.1647E	1075	
Djebel Mahouada	EMHD	Algeria	36.2008N	2.9530E	1250	
Djebel Manchoura	CMAH	Algeria	36.6250N	7.4197E	795	
Djebel Midouna	OMID	Algeria	35.2800N	0.1900W	745	
Djebel Saadia	ESAD	Algeria	35.9167N	1.3572E	890	
Djebel Tachoubennt	ETHB	Algeria	36.0245N	1.7300E	1070	
Djebel Tanoua	ETAN	Algeria	35.9083N	2.3358E	1595	
Djebel Tarf	ATAF	Algeria	35.8737N	4.2772E	1000	
Djebel Teioualt	CTEI	Algeria	36.0630N	6.4063E	1285	
Djebel Tessala	OTSS	Algeria	35.2817N	0.7942W	1055	
Djerdap	DJES	Serbia	44.6660N	22.5200E	392	From 1996-05-20
Dmanisi	DMNS	Georgia	41.3300N	44.2000E	1260	
Doab	IDOB	Iran	33.7874N	48.1774E	1935	From 2008-01-01
Doan Hung	DHV	Vietnam	21.6268N	105.1838E	70	
Dobbs Creek Ranch, Lacey	D04A	Washington,U.S.A.	47.1109N	122.8035W	31	From 2005-10-24 to 2008-03-29
Dobcross Hall	BDL	Scotland,United Kingdom	54.8030N	2.9385W	157	
Doboj	DOB	Bosnia and Herzegovina	44.7330N	18.1000E	165	From 2003-09-01
Dobrina	DOBS	Slovenia	46.1495N	15.4691E	425	From 1996-12-01
Dobrovo	DBY	Slovenia	45.9990N	13.5280E	100	From 1989-08-14 to 1989-08-17
Dobruska-Polom	DPC	Czech Republic	50.3502N	16.3222E	748	
Dochfour	MDO	Scotland,United Kingdom	57.4410N	4.3630W	366	From 1981-01-01
Dochia	DOC	Romania	46.9069N	26.5500E	330	From 1984-01-01 to 1988-08-15
Docker River	DOCK	Western Australia,Australia	24.8380S	129.0334E	650	
Dodaira	DDR	Saitama,Japan	35.9983N	139.1930E	800	From 1966-04-01
Dodoma	DOD	,United Republic of Tanzania	6.2083S	35.7556E	1204	
Dodoma, Tanzania	DODT	Tanzania	6.1900S	35.7500E	1114	From 2007-02-11
Dodoni	DDN	Greece	39.5314N	20.8449E	1108	From 2007-11-07
Dodson Butte	DBO	Oregon,U.S.A.	43.1192N	123.2430W	984	From 1990-08-01
Doetra (Olivone)	DOETR	Switzerland	46.5324N	8.8773E	1771	From 2005-12-15
Dog Skin Mountain	DSM	Nevada,U.S.A.	39.8672N	119.7087W	1804	
Dogwood	DWDM	Missouri,U.S.A.	36.7961N	89.4927W	89	
Dogwood	DWM	Missouri,U.S.A.	36.8050N	89.4900W	92	From 1974-11-20
Doi Son	DSV	Vietnam	20.5870N	105.9740E	70	
Dolbeau-Mistassini	DMCQ	Quebec,Canada	48.9646N	72.0680W	197	From 2009-09-15
Dolgoi Island	DLG	Alaska,U.S.A.	55.1410N	161.8358W	367	
Dolgoi Island	DOL	Alaska,U.S.A.	55.1485N	161.8636W	442	From 1996-07-01
Dolores	ABRA	Luzon,Philippines	17.6490N	120.7120E	50	
Dombai	DOMR	Stavropol'skiy Kray,Russia	43.2920N	41.6240E	1608	From 2006-10-25
Dombas	DOMB	Norway	62.0424N	9.0642E	660	
Domengine Ranch	PDRM	California,U.S.A.	36.3357N	120.3690W	488	
Domenigoni Valley Reservoir	DGR	California,U.S.A.	33.6500N	117.0095W	609	From 1993-03-17
Dome Shelter	DRZ	North Island,New Zealand	39.2764S	175.5640E	2600	From 1984-04-01
Dominica	DOM	Dominica	15.2960N	61.3910W	15	From 1953-02-03
Domo	DOMO	Ecuador	0.3033N	78.3592W	3600	From 1994-04-01 to 1994-08-31
Domodossola	DMD	Italy	46.1167N	8.3000E	280	
Dompierre	DOMF	Nord-Pas-de-Calais,France	50.1288N	3.8610E	145	
Dongducheon	KSDDC	South Korea	37.9000N	127.0577E	112	From 2000-11-10
DONGHAE	KSTOH	South Korea	37.5026N	129.1226E	40	From 2000-03-10
Dongo Capesterre	DOG	Guadeloupe	16.0320N	61.6178W	460	
Dongola	DON	Missouri,U.S.A.	37.1760N	89.9330W	165	From 1974-07-10
Donna J Jenkins	DJJ	California,U.S.A.	34.1062N	118.4551W	268	
Donnelly	H11A	Idaho,U.S.A.	44.7035N	116.0127W	1525	From 2006-10-27 to 2008-07-16
Donnelly Dome	DDM	Alaska,U.S.A.	63.7872N	145.8630W	920	From 1977-09-01
Donner Summit	DONR	California,U.S.A.	39.3517N	120.3205W	2268	
Don Santos Ranch	CDSM	California,U.S.A.	37.9663N	122.2530W	109	From 1973-11-15
Doolan Road	CDOM	California,U.S.A.	37.7300N	121.8350W	198	From 1970-07-29
Doolan Road	DOO	California,U.S.A.	37.7300N	121.8350W	198	From 1970-07-29
Doongara	DNGQ	Queensland,Australia	20.5550S	146.4750E	280	From 1984-02-29
Dopca	DOPR	Romania	45.9674N	25.3887E	526	From 2005-08-31
Dora Dora	DRAM	Victoria,Australia	35.9654S	147.3754E	230	
Dorchester	DRC	South Carolina,U.S.A.	33.1075N	80.3883W	20	
Dorgali Grotta	DGI	Sardinia,Italy	40.3182N	9.6067E	343	
Dorot	DOR	Israel	31.5090N	34.6860E	130	
Dortyol	DRTT	Turkey	36.8400N	36.2480E	45	From 1994-03-01
Dos Bocas Dam	DOS	Puerto Rico	18.3294N	66.6789W	400	From 1974-08-16 to 1975-07-17
Dos Picos Cty Pk	DPP	California,U.S.A.	32.9986N	116.9415W	463	
Dos Rios de Upala	2RIO	Costa Rica,Costa Rica	10.5284N	85.2332W	619	
Dosso del Sommo	DDS	Italy	45.8800N	11.1883E	1670	From 1981-06-15
Dot Lake	DOT	Alaska,U.S.A.	63.6487N	144.0620W	671	From 1986-01-01
Double 8 Ranch, Willits	P01C	California,U.S.A.	39.4690N	123.3375W	440	From 2005-08-24 to 2007-09-04
Double Butte	DB2	California,U.S.A.	33.7352N	117.0629W	591	
Double Diamond Ranch, Oakley	L13A	Idaho,U.S.A.	42.0886N	113.9444W	1482	From 2006-12-13 to 2008-08-07
Double Mountain	DBM	California,U.S.A.	34.9790N	118.3610W	1204	
Double T Ranch, Babb	A14A	Montana,U.S.A.	48.9725N	113.4218W	1420	From 2007-09-03 to 2009-08-13
Douglas	319A	Arizona,U.S.A.	31.3757N	109.2809W	1187	From 2007-03-06 to 2010-05-28
Douliou City	WDL	Taiwan region	23.7150N	120.5390E	41	From 1999-08-04
Dourbes	DOU	Belgium	50.0960N	4.5950E	224	From 1982-07-01
Dourbes	NE06	Belgium	50.0960N	4.5942E	225	From 1982-07-01 to 2001-07-28
Downhole Baldwin Hills	DHB	California,U.S.A.	34.0175N	118.3850W		From 1973-03-01
Downie Pk Ridge	DPRB	British Columbia,Canada	51.5750N	118.1970W	2135	
Downie Slide	DOWB	British Columbia,Canada	51.5183N	118.5160W	594	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Downsview	DVO	Ontario,Canada	43.7833N	79.5167W	193	From 1975-08-01
Doyle Hill	DHN	New York,U.S.A.	42.8255N	78.1930W	491	
Dracevica, Montenegro	DRME	Montenegro	42.1867N	19.1843E	300	From 2009-06-09
Dragan	DRR	Romania	46.7869N	22.7219E	955	From 1979-01-01 to 2004-03-05
Dragasani	DRA	Romania	44.6786N	24.2561E	180	From 1978-01-01
Drage	N2B4	Norway	62.1190N	5.2430E	110	
Dragoon	218A	Arizona,U.S.A.	31.9737N	110.0464W	1486	From 2007-03-05 to 2009-01-20
Dragot	DRGI	Israel	31.5930N	35.3920E	12	
Drain, OR	I03D	Oregon	43.6972N	123.3487W	140	From 2009-11-03
Drake Creek	DCID1	Idaho,U.S.A.	43.5945N	111.1845W	1871	
Dramaga	DBJI	Jawa,Indonesia	6.5538S	106.7497E	211	From 2005-01-01
Draper Farm, Castleford	K12A	Idaho,U.S.A.	42.6360N	114.9029W	1091	From 2006-12-11 to 2008-07-25
Dreilaegerbach Talsperre	DREG	Nordrhein-Westfalen,Germany	50.6630N	6.2330E	390	From 2006-11-01
Drenchia	DRE	Italy	46.1733N	13.6433E	810	From 1982-12-20
Drewsey	I08A	Oregon,U.S.A.	43.9104N	118.5692W	1189	From 2006-07-23 to 2008-04-06
Drift River	DFR	Alaska,U.S.A.	60.5920N	152.6860W	1097	From 1988-08-15
Dromana	DROM	Victoria,Australia	38.3482S	144.9598E	138	
Drossia	DRO	Greece	37.9523N	21.7104E	422	From 2009-07-16
Drum Mountains (BLM), Topaz	P14A	Utah,U.S.A.	39.5906N	113.0687W	1784	From 2007-06-12 to 2008-11-18
Drumtochty	EDR	Scotland,United Kingdom	56.9190N	2.5393W	388	From 1989-01-12
Dry Creek	GDCM	California,U.S.A.	38.7672N	123.2400W	772	From 1975-05-07
Dry Creek	DCI	Idaho,U.S.A.	43.9548N	111.0960W	2020	From 1974-06-01 to 1980-07-24
Dry Ridge	DY-KY	Kentucky,U.S.A.	38.6497N	84.6433W	259	
Dry Ridge	DY-	Kentucky,U.S.A.	38.6497N	84.6433W	259	
Drytown Water District	ADWM	California,U.S.A.	38.4392N	120.8480W	251	From 1976-07-21
Dry Willow Peak	DWU	Utah,U.S.A.	38.1053N	112.9980W	2270	
Duarte Ranch	DUC	California,U.S.A.	38.0297N	122.0010W	168	From 1971-04-28
Duba	DBAS	Saudi Arabia	27.2100N	35.9700E	452	
Dubki	DBC	Dagestan,Russia	43.0200N	46.8300E	900	
Dublin	DSB	Ireland	53.2452N	6.3762W	236	From 1993-12-01
Dublin Merrion Square	DMS	Ireland	53.3406N	6.2486W	5	From 1990-11-01 to 2002-01-06
DUBNA INFRASONIC ARRAY REFERENCE POINT	I43RU	Moskovskaya Oblast'	56.7214N	37.2176E	120	From 2009-05-20
Dubrovnik	DBR	Croatia	42.6470N	18.0790E	68	
Dubuque	DBQ	Iowa,U.S.A.	42.5067N	90.6833W	244	From 1962-01-01
Ducktown	DCT	Tennessee,U.S.A.	35.0542N	84.4194W	508	
Duckwater	Q11A	Nevada,U.S.A.	38.8455N	115.6541W	1562	From 2006-06-08 to 2008-09-11
Dugan Ranch, Towner	B28A	North Dakota,U.S.A.	48.4492N	100.3616W	451	From 2009-08-10
Dugi Otok	DUOK	Croatia	44.1131N	14.9318E	115	
Dugout Coal Mine	DCM	Utah,U.S.A.	39.6950N	110.5833W	2537	
Dugway	DUG	Utah,U.S.A.	40.1950N	112.8130W	1477	From 1962-05-09
Duke of York Island	DOY	New Britain,Papua New Guinea	4.2170S	152.3980E	1	From 1983-11-17
Dulce	DNM	New Mexico,U.S.A.	36.9333N	106.9960W		
Duluth	DUL	Minnesota,U.S.A.	46.8200N	92.0833W	340	From 1952-01-01 to 1961-12-31
Dumont d'Urville	DRV	Terre Adelie	66.6650S	140.0090E	40	
Dundee	EDU	Scotland,United Kingdom	56.5475N	3.0142W	275	From 1969-01-01
Dunderburg Mountain	DBMY	New York,U.S.A.	41.2944N	73.9750W	27	
Dundo	DUN	Angola	7.4088S	20.8372E	709	From 1970-03-01
Dundret	DUNU	Sweden	67.1215N	20.5688E	500	From 2003-11-25
Dunedin	DNZ	South Island,New Zealand	45.8664S	170.5150E	15	From 1979-11-05
Dunedin-Penfold	DND	South Island,New Zealand	45.8833S	170.5320E	100	From 1945-01-01 to 1983-10-31
Dungji	WDGT	Taiwan region	23.2600N	119.6600E	33	
Dungshr Township	TWDS	Taiwan region	24.2600N	120.8310E	367	From 2001-04-10
Dunmovintown East	DTEM	California,U.S.A.	36.0975N	117.9258W	1152	
Dunnerdale	CDU1	England,United Kingdom	54.3362N	3.1952W	355	From 1992-01-01
Dunnigan Hills	NDHM	California,U.S.A.	38.7655N	121.9120W	69	
Dunn Peak	DPI	Idaho,U.S.A.	47.2887N	116.8990W	1709	
Dunn Ranch,Anza	DNR	California,U.S.A.	33.5667N	116.6306W	1274	From 2001-10-22
Dunphy	N10A	Nevada,U.S.A.	40.7186N	116.5080W	1392	From 2006-05-02 to 2008-08-15
Dunsink Observatory	DDK	Ireland	53.3869N	6.3392W	85	From 1977-04-01 to 2002-01-06
Duppenweiler	DUP	Rheinland-Pfalz,Germany	49.4113N	6.7863E	280	
Dupree	G27A	South Dakota,U.S.A.	45.3791N	102.9310W	761	From 2009-06-25
Duragan	DGT	Turkey	41.4258N	35.0655E	255	From 1976-09-01
Durango	DR-CO	Colorado,U.S.A.	37.4647N	107.7833W	2225	From 1961-10-01 to 1964-12-30
Durango	DGC	Colorado,U.S.A.	37.2625N	107.8990W	2340	From 1970-01-01 to 1972-11-30
Durango	DR-	Colorado,U.S.A.	37.4647N	107.7833W	2225	From 1961-10-01 to 1964-12-30
Durant	DU-OK	Oklahoma,U.S.A.	34.0364N	96.2178W	198	From 1963-08-14 to 1964-03-09
Durant	DU-	Oklahoma,U.S.A.	34.0364N	96.2178W	198	From 1963-08-14 to 1964-03-09
Durate Ranch	CDUM	California,U.S.A.	38.0297N	122.0010W	168	From 1971-04-28
Duren	BA11	Nordrhein-Westfalen,Germany	50.7666N	6.5010E	138	From 2006-10-01
Durham	DUR	England,United Kingdom	54.7684N	1.5850W	103	
Durham (NH)	DNH	New Hampshire,U.S.A.	43.1225N	70.8948W	24	From 1976-01-01
Durham Road	DREZ	North Island,New Zealand	39.1906S	174.2008E	272	From 2008-03-05
Durkee	H09A	Oregon,U.S.A.	44.6653N	117.6643W	1263	From 2006-07-29 to 2008-07-12
Duronia	DUI	Italy	41.6589N	14.4581E	918	
Dursunbey	DURS	Turkey	39.6011N	28.4742E	960	From 2007-05-29
Dursunbey	DST	Turkey	39.6040N	28.6191E	685	From 1975-10-22
Dursunbey	DRB	Turkey	39.5811N	28.6374E	620	From 1970-08-01 to 1975-10-22
D'Urville Island	DUWZ	South Island,New Zealand	40.8037S	173.9214E	454	From 2005-03-10
D'Urville Island	DIW	South Island,New Zealand	40.8022S	173.9220E	460	From 1990-06-01 to 2004-06-08
Dushanbe	DSH	Tajikistan	38.5583N	68.7750E	847	
Dusheti	DUS	Georgia	42.0902N	44.7019E	946	From 1953-01-01
Dusing	DSN	New York,U.S.A.	42.8443N	78.1803W	412	From 1971-07-01 to 1976-01-16
Dusty Glacier	YUK7	Yukon Territory,Canada	60.5307N	138.1399W	1992	From 2010-08-24
Dutch Harbor	DHA	Alaska,U.S.A.	53.8950N	166.5330W		
Dutch Harbor	DUT	Alaska,U.S.A.	53.8983N	166.5370W	60	
Dutton Round Hill	DT1	Alaska,U.S.A.	55.1075N	162.2808W	210	From 1996-08-01
Dutton South Flank	DTNA	Alaska,U.S.A.	55.1493N	162.2520W	366	From 1996-08-01
Duxbury	DXB	Massachusetts,U.S.A.	42.0610N	70.6992W	8	
Duxbury	DUX	Massachusetts,U.S.A.	42.0686N	70.7678W	27	From 1976-10-01
Dweir	DWR	Lebanon	33.3855N	35.0680E	420	
Dwight	DTN	Nebraska,U.S.A.	41.0217N	97.0358W	464	From 1980-08-25
Dyer Hill	DHW	Washington,U.S.A.	47.9605N	119.7690W	850	From 1975-06-01
Dyer Hill 2	DHW2	Washington,U.S.A.	47.9853N	119.7700W	884	
Dyersburg	DRTN	Tennessee,U.S.A.	36.1370N	89.3650W	137	From 1989-08-08
Dyersburg	DY1	Tennessee,U.S.A.	36.1917N	89.3917W	120	From 1969-01-01 to 1970-12-31
Dylym	DLMR	Dagestan,Russia	43.0700N	46.6300E	420	
Dzhafr	DZH	Tajikistan	39.1000N	70.5833E	1650	
Dzhankel'dy	DZN	Uzbekistan	40.8500N	63.3400E	211	
Dzherino	DZE	Tajikistan	38.7800N	68.8300E		
Dzherino	DZET	Tajikistan	38.8055N	68.8270E	1200	From 2010-02-23
Dzhirgatal'	DZT	Tajikistan	39.2200N	71.2200E		
Dzhizak	DZI	Uzbekistan	40.1200N	67.8200E	384	
Dziouia	ODZI	Algeria	35.2900N	1.2300W	293	From 2005-01-01
Eade Ranch	EADB	California,U.S.A.	35.8952N	120.4229W	254	
Eads	R27A	Colorado,U.S.A.	38.2859N	102.7980W	1201	From 2008-12-08
Eagle	EGC	Colorado,U.S.A.	39.6525N	106.8280W	2010	From 1970-01-01 to 1972-11-30
Eagle	P22A	Colorado,U.S.A.	39.5952N	106.7589W	2170	From 2008-06-22
Eagle	EGAK	Alaska,U.S.A.	64.7774N	141.1581W	296	
Eagle Butte	EBS	South Dakota,U.S.A.	44.9998N	101.2320W	735	From 1972-05-01
Eagle Creek	ECR	Idaho,U.S.A.	43.0540N	111.3710W	2086	
Eagle Field, Dos Palos	T05C	California,U.S.A.	36.8953N	120.6737W	46	From 2005-02-14 to 2007-09-03
Eagle Flat	EF-TX	Texas,U.S.A.	31.1764N	105.1300W	1433	From 1962-01-25 to 1962-05-03
Eagle Flat	EF-	Texas,U.S.A.	31.1764N	105.1300W	1433	From 1962-01-25 to 1962-05-03
Eagle Lake	637A	Texas,U.S.A.	29.4390N	96.3324W	45	From 2010-05-24
Eagle Lake Field Station, Susanville	ELFS	California,U.S.A.	40.6183N	120.7279W	1553	From 2005-05-20 to 2007-10-09
Eagle Mountain	MT2	Texas,U.S.A.	30.8990N	105.0800W	2088	From 1977-03-01 to 2003-01-28
Eagle Mountain	EAG	California,U.S.A.	33.8490N	115.4730W	366	From 1974-11-01 to 2002-12-20
Eagle's Nest	EGN	New York,U.S.A.	43.8595N	74.4818W	549	From 1971-09-01 to 1983-10-31
Eagleton	EGMT	Montana,U.S.A.	48.0240N	109.7547W	1055	
Early Rise 101	ER101	Ontario,Canada	47.9297N	83.1364W	457	
Early Rise 102	ER102	Ontario,Canada	48.1019N	82.6036W	457	
Early Rise 103	ER103	Ontario,Canada	48.2264N	82.1694W	305	
Early Rise 104	ER104	Ontario,Canada	48.3378N	81.7542W	396	
Early Rise 105	ER105	Ontario,Canada	48.4878N	81.2706W	305	
Early Rise 106	ER106	Ontario,Canada	48.5383N	80.7681W	274	
Early Rise 107	ER107	Ontario,Canada	48.5386N	80.2775W	305	
Early Rise 108	ER108	Ontario,Canada	48.5333N	79.8642W	457	
Early Rise 109	ER109	Quebec,Canada	48.7975N	79.3572W	290	
Early Rise 110	ER110	Quebec,Canada	48.8636N	78.8636W	305	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Early Rise 111	ER111	Quebec,Canada	48.6225N	78.3106W	305	
Early Rise 112	ER112	Quebec,Canada	48.6964N	77.9039W	320	
Early Rise 113	ER113	Quebec,Canada	48.8361N	77.4203W	290	
Early Rise 114	ER114	Quebec,Canada	49.1194N	77.0067W	305	
Early Rise 115	ER115	Quebec,Canada	49.3811N	76.5378W	305	
Early Rise 116	ER116	Quebec,Canada	49.5914N	76.0267W	305	
Early Rise 117	ER117	Quebec,Canada	49.8236N	75.6000W	305	
Early Rise 118	ER118	Quebec,Canada	49.8206N	75.1281W	381	
Early Rise 119	ER119	Quebec,Canada	49.7906N	74.6381W	381	
Early Rise 120	ER120	Quebec,Canada	49.9247N	74.2583W	396	
Early Rise 201	ER201	Quebec,Canada	49.5947N	74.2772W	381	
Early Rise 202	ER202	Quebec,Canada	49.3533N	74.0381W	46	
Early Rise 203	ER203	Quebec,Canada	49.1858N	73.6717W	381	
Early Rise 204	ER204	Quebec,Canada	49.0400N	73.3633W	381	
Early Rise 205	ER205	Quebec,Canada	48.8747N	72.9336W	351	
Early Rise 207	ER207	Quebec,Canada	48.5564N	72.3456W	123	
Early Rise 208	ER208	Quebec,Canada	48.4097N	71.9767W	137	
Early Rise 209	ER209	Quebec,Canada	48.4856N	71.6039W	168	
Early Rise 210	ER210	Quebec,Canada	48.3447N	71.1464W	152	
Early Rise 211	ER211	Quebec,Canada	48.2758N	70.7978W	274	
Early Rise 212	ER212	Quebec,Canada	48.1725N	70.2931W	183	
Early Rise 213	ER213	Quebec,Canada	48.0150N	70.0728W	244	
Early Rise 215	ER215	Quebec,Canada	47.8044N	69.4231W	152	
Early Rise 216	ER216	Quebec,Canada	47.6272N	69.0097W	290	
Early Rise 217	ER217	Quebec,Canada	47.4864N	68.6633W	366	
Early Rise 218	ER218	New Brunswick,Canada	47.4047N	68.3417W	175	
Early Rise 219	ER219	New Brunswick,Canada	47.2181N	67.9167W	183	
Early Rise 220	ER220	New Brunswick,Canada	47.0175N	67.7278W	173	
Early Rise 221	ER221	New Brunswick,Canada	46.9122N	67.3647W	213	
Early Rise 222	ER222	New Brunswick,Canada	46.8806N	66.9761W	442	
Early Rise 223	ER223	New Brunswick,Canada	46.8133N	66.6133W	396	
Early Rise 224	ER224	New Brunswick,Canada	46.5922N	66.2322W	122	
Early Rise 225	ER225	New Brunswick,Canada	46.5383N	65.8464W	31	
Early Rise 226	ER226	New Brunswick,Canada	46.3369N	65.5950W	46	
Early Rise 227	ER227	New Brunswick,Canada	46.1961N	65.1625W	61	
Early Rise 228	ER228	New Brunswick,Canada	46.1475N	64.9058W	152	
Early Rise 229	ER229	New Brunswick,Canada	46.0150N	64.5211W	76	
Early Rise 230	ER230	New Brunswick,Canada	45.9686N	64.1742W	46	
Early Rise 231	ER231	Nova Scotia,Canada	45.8667N	63.8197W	15	
Early Rise 232	ER232	Nova Scotia,Canada	45.7489N	63.4486W	31	
Early Rise 234	ER234	Nova Scotia,Canada	45.5922N	62.7147W	76	
Early Rise 235	ER235	Nova Scotia,Canada	45.5986N	62.3006W	61	
Early Rise 236	ER236	Nova Scotia,Canada	45.5822N	61.9044W	15	
Early Rise 237	ER237	Nova Scotia,Canada	45.6264N	61.5583W	46	
Early Rise 238	ER238	Nova Scotia,Canada	45.6239N	61.2200W	23	
Early Rise 239	ER239	Nova Scotia,Canada	45.6617N	60.8392W	15	
Early Rise 241	ER241	Nova Scotia,Canada	46.0281N	60.2061W	76	
Early Rise 242	ER242	Nova Scotia,Canada	46.1606N	59.9367W	15	
Early Rise 300	ER300	Pennsylvania,U.S.A.	40.4617N	80.1806W	287	
Early Rise 301	ER301	Pennsylvania,U.S.A.	40.2869N	79.9494W	311	
Early Rise 302	ER302	Pennsylvania,U.S.A.	40.0783N	79.7703W	317	
Early Rise 303	ER303	Pennsylvania,U.S.A.	39.8753N	79.5306W	616	
Early Rise 304	ER304	Maryland,U.S.A.	39.6958N	79.2636W	823	
Early Rise 306	ER306	West Virginia,U.S.A.	39.2528N	78.9119W	290	
Early Rise 307	ER307	West Virginia,U.S.A.	39.0336N	78.6531W	457	
Early Rise 308	ER308	Virginia,U.S.A.	38.8297N	78.4356W	270	
Early Rise 309	ER309	Virginia,U.S.A.	38.6222N	78.2317W	232	
Early Rise 310	ER310	Virginia,U.S.A.	38.3764N	78.0556W	122	
Early Rise 311	ER311	Virginia,U.S.A.	38.1644N	77.8139W	128	
Early Rise 312	ER312	Virginia,U.S.A.	37.9578N	77.5933W	67	
Early Rise 313	ER313	Virginia,U.S.A.	37.7381N	77.4308W	64	
Early Rise 314	ER314	Virginia,U.S.A.	37.5247N	77.1858W	37	
Early Rise 315	ER315	Virginia,U.S.A.	37.2964N	76.9653W	18	
Early Rise 316	ER316	Virginia,U.S.A.	37.0883N	76.7550W	24	
Early Rise 317	ER317	Virginia,U.S.A.	36.8811N	76.5819W	18	
Early Rise 318	ER318	Virginia,U.S.A.	36.6356N	76.3594W	3	
Early Rise 319	ER319	North Carolina,U.S.A.	36.3908N	76.1642W	6	
Ear Mountain	EAM	Alaska,U.S.A.	65.9193N	166.2420W	700	
Earnscleugh	EAZ	South Island,New Zealand	45.2327S	169.3082E	237	
Earthquake Lake	QLMT	Montana,U.S.A.	44.8307N	111.4300W	2064	From 1994-09-09
East Anglia University	AEU	England,United Kingdom	52.6201N	1.2347E	15	
East Aurora	EAN	New York,U.S.A.	42.7686N	78.6192W	282	
East Aurora area, Hawthorne	TVH3	Nevada,U.S.A.	38.3548N	118.8199W	2071	
Eastbourne	TEB	England,United Kingdom	50.8188N	0.1459E	70	From 1989-01-01
East Braintree	EB-	Manitoba,Canada	49.6278N	95.6222W	312	From 1963-08-06 to 1964-08-12
East Braintree	EB-MT	Manitoba,Canada	49.6278N	95.6222W	312	From 1963-08-06 to 1964-08-12
East Cape	ECZ	North Island,New Zealand	37.6936S	178.5460E	40	From 1934-10-01 to 1985-07-26
East Claridon	CECL	Ohio,U.S.A.	41.5470N	81.1020W	362	
East Dome	ESD	Washington,U.S.A.	46.1973N	122.1500W	1609	
East End Reserv.	EASTN	Queensland,Australia	23.8641S	150.9647E	139	
East Entrance	YPEE	Wyoming,U.S.A.	44.4905N	110.0010W	2134	
Easter Island	EIC	Easter Island,Chile	27.1581S	109.4340W	42	
EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	CEIC	Easter Island	27.1273S	109.3627W	163	From 2005-03-17
East Falkland Island	EFI	Falkland Islands	51.6753S	58.0637W	30	
East Helena	E16A	Montana,U.S.A.	46.5336N	111.6764W	1398	From 2007-09-12 to 2009-07-13
East Kanab	EKU	Arizona,U.S.A.	37.0747N	112.4968W	1829	
East Lansing	LNSM	Michigan,U.S.A.	42.7310N	84.4770W	256	
East Machias	EMMW	Maine,U.S.A.	44.7100N	67.4583W	35	
East Machias	EMM	Maine,U.S.A.	44.7392N	67.4894W	20	
East Machias	EMMT	Maine,U.S.A.	44.7833N	67.3533W	33	From 1932-07-01 to 1940-12-31
East Mammoth Hills	MEMM	California,U.S.A.	37.6663N	118.9390W		
East Mesa	EMSC	California,U.S.A.	32.7392N	114.9852W	11	
East Pahranagat Range	EPR	Nevada,U.S.A.	37.1687N	115.1864W	1305	From 1979-01-23 to 2002-10-10
East Prairie	EPRM	Missouri,U.S.A.	36.7173N	89.3583W	88	
East Promontory	EPU	Utah,U.S.A.	41.3915N	112.4090W	1436	From 1975-09-01
east rand property ines	ERPM	Transvaal,South Africa	26.3433S	28.2418E	1611	From 2006-05-23
East Ridge	ERMT	Montana,U.S.A.	45.9932N	112.4560W	1928	From 1984-01-01 to 1987-10-01
East Ridge	PQ1	Maine,U.S.A.	44.9035N	67.3271W	93	
East Ridge Elementary School	EARN	Washington,U.S.A.	47.7400N	122.0400W	10	
Eastside	ESTR	Nevada,U.S.A.	38.0913N	118.3267W	2012	
East Tamaki Reservoir	ETAZ	North Island,New Zealand	36.9535S	174.9278E	-152	From 2010-02-11
East Traverse Mountains	ETU	Utah,U.S.A.	40.4772N	111.8440W	1884	From 1974-07-01 to 1983-11-30
East Wide Canyon	EWC	California,U.S.A.	33.9372N	116.3822W	466	
Eatonton	ETG	Georgia,U.S.A.	33.2912N	83.3507W	137	From 1978-02-01
E Barbuda OBS	O6A	Barbuda,Antigua and Barbuda	17.7920N	61.0220W	-496	
Ebbets Pass	EBP	California,U.S.A.	38.5828N	119.8063W	2432	
Eben Emael	BEBN	Belgium	50.7965N	5.6772E	80	From 1986-04-01
Ebenezer Church	EBZ	Tennessee,U.S.A.	35.1410N	89.3510W	169	From 1980-05-15
Ebro Roquetas	EBRE	Spain	40.8228N	0.4940E	36	
Ebro Roquetas	EBR	Spain	40.8206N	0.4936E	50	
Ech Chlef	ECHA	Algeria	36.1500N	1.3667E	0	
Ech Chlef	ECHF	Algeria	36.1562N	1.3403E	207	
Echelle	ECG	Guadeloupe	16.0418N	61.6538W	1395	
Echery	ECH	Alsace,France	48.2158N	7.1583E	580	From 1967-10-31
Echo Falls	ECF	California,U.S.A.	34.4580N	119.0910W	1000	From 1975-11-01
Echo Lake	ELW	Washington,U.S.A.	47.4943N	121.8714W	267	
Echo Peak	EPM	Nevada,U.S.A.	37.2266N	116.3346W	2221	From 1990-09-18 to 2002-12-10
Echo Peak	EHN	Nevada,U.S.A.	37.2138N	116.3237W	2280	
Ecuador	ANGL	Ecuador	0.3929S	77.5444W	3360	From 1990-08-01
Ecuador Network	RECU	Ecuador	0.6420S	78.4030W		
Ecuador Network	AECU	Ecuador	0.2705S	78.4070W	3000	
Ecuador Network	PECU	Ecuador	0.3950S	78.6025W	3550	
Ecuador Network	GECU	Ecuador	0.3172S	78.1897W	4350	
Ecuador Network	IECU	Ecuador	0.4750S	78.3067W	3720	
Ecuador Network	BECU	Ecuador	0.4747S	78.5962W	3320	
Ecuador Network	CECU	Ecuador	0.4762S	77.8703W	2220	
Ecuador Network	MECU	Ecuador	0.5375S	78.2442W	4090	
Eden	EDEN	Ecuador	0.0367S	78.5212W	3270	
Edgecumbe	EDRZ	North Island,New Zealand	38.1076S	176.7381E	780	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Edge Oya	EO1	Svalbard,Norway	77.6583N	21.2167E	4	From 1977-01-01
Edgewood	ED-MI	Michigan,U.S.A.	43.2556N	84.4114W	213	From 1965-12-02 to 1965-12-13
Edgewood	ED-	Michigan,U.S.A.	43.2556N	84.4114W	213	From 1965-12-02 to 1965-12-13
Edinburgh	EDI	Scotland,United Kingdom	55.9233N	3.1861W	125	
Edincik	EDT	Turkey	40.3468N	27.8634E	270	From 1972-12-03
Edincik	EDC	Turkey	40.3468N	27.8634E	270	From 1972-12-03
Edirne	EDRB	Turkey	41.8470N	26.7440E	209	
Edirne-Kesan	KESN	Turkey	40.8259N	26.6800E	3071	From 2010-11-11
Edison Barstow Service Cntr	RRX	California,U.S.A.	34.8800N	117.0000W	439	From 2004-04-01
Edison CC	ECCO	Ohio,U.S.A.	40.1580N	84.2130W	274	
Edith	EDIT	Tennessee,U.S.A.	35.8630N	89.5543W	148	
Edith	T22A	Colorado,U.S.A.	37.0138N	106.9030W	2224	From 2007-12-21 to 2010-02-07
Edmonton	EDM	Alberta,Canada	53.2217N	113.3500W	730	From 1963-04-01
Edmundston	EBN	New Brunswick,Canada	47.4617N	68.2417W	195	From 1981-10-28
Edmundston, New Brunswick	EDMN	New Brunswick,Canada	47.4607N	68.2398W	186	From 2000-10-16
Edson Butte	KEBM	Oregon,U.S.A.	42.8722N	124.3342W	818	
Edwards Air Force Base,Rosamund	EDW2	California,U.S.A.	34.8800N	117.9900W	772	From 2004-06-14
Edwards Air Force Base,Rosamund	EDW	California,U.S.A.	34.8800N	117.9900W	789	From 2004-04-01 to 2004-08-03
EDZO	EDZN	Northwest Territories	62.7272N	116.0990W	244	From 2011-07-15
Eel River Conservation Camp, Redway	O01C	California,U.S.A.	40.1398N	123.8195W	137	From 2005-08-25 to 2007-11-17
Eenrum	ENM1	Netherlands	53.4064N	6.4817E	-49	From 2010-01-22
Eenrum	ENM	Netherlands	53.4076N	6.4823E	1	
Eenrum	ENM4	Netherlands	53.4064N	6.4817E	-199	From 2010-01-22
Eenrum	ENM2	Netherlands	53.4064N	6.4817E	-99	From 2010-01-22
Eenrum	ENM3	Netherlands	53.4064N	6.4817E	-149	From 2010-01-22
Effingham	EFO	Ontario,Canada	43.0917N	79.3117W	168	From 1979-07-06
EFORIE	EFOR	Romania	44.0795N	28.6323E	30	From 2008-11-12
Efpalio	EFP	Greece	38.4269N	21.9058E	115	From 2006-08-03
Efringen	EFR	Baden-Wurttemberg,Germany	47.6653N	7.5637E	280	From 1984-12-01
Egilsstadhir	EGI	Iceland	65.2833N	14.3833W	25	
Egridir - ISPARTA	BAGO	Turkey	37.9905N	30.7886E	958	From 2010-07-06
Egvard	EGVZ	Armenia	39.2300N	46.5500E	0	
Eidsvold	EIDS	Queensland,Australia	25.3691S	151.0817E	216	From 2002-11-06
Eielson Array	NPO	Alaska,U.S.A.	64.7714N	146.8865W	419	
Eielson Array Beam Reference Point	ILAR	Alaska,U.S.A.	64.7714N	146.8866W	419	
Eielson Array Broadband	ILB	Alaska,U.S.A.	64.7714N	146.8866W	419	From 1993-07-01
Eielson Array Site 1	IL1	Alaska,U.S.A.	64.7716N	146.8860W	418	From 1993-07-01
Eielson Array Site 10	IL10	Alaska,U.S.A.	64.7529N	146.8431W	586	
Eielson Array Site 11	IL11	Alaska,U.S.A.	64.7415N	146.8974W	444	
Eielson Array Site 12	IL12	Alaska,U.S.A.	64.7447N	146.9436W	366	
Eielson Array Site 13	IL13	Alaska,U.S.A.	64.7479N	146.9865W	367	
Eielson Array Site 14	IL14	Alaska,U.S.A.	64.7750N	146.9794W	223	
Eielson Array Site 15	IL15	Alaska,U.S.A.	64.7777N	146.9428W	336	
Eielson Array Site 16	IL16	Alaska,U.S.A.	64.7933N	146.9215W	382	
Eielson Array Site 17	IL17	Alaska,U.S.A.	64.8072N	146.8898W	357	
Eielson Array Site 18	IL18	Alaska,U.S.A.	64.7575N	146.7768W	554	
Eielson Array Site 19	IL19	Alaska,U.S.A.	64.7461N	146.7974W	549	
Eielson Array Site 2	IL02	Alaska,U.S.A.	64.7847N	146.8643W	261	
Eielson Array Site 3	IL03	Alaska,U.S.A.	64.7714N	146.8512W	440	
Eielson Array Site 4	IL04	Alaska,U.S.A.	64.7570N	146.8761W	528	
Eielson Array Site 5	IL05	Alaska,U.S.A.	64.7731N	146.9229W	389	
Eielson Array Site 6	IL06	Alaska,U.S.A.	64.7792N	146.9040W	262	
Eielson Array Site 7	IL07	Alaska,U.S.A.	64.7993N	146.8393W	401	
Eielson Array Site 8	IL08	Alaska,U.S.A.	64.7903N	146.7969W	505	
Eielson Array Site 9	IL09	Alaska,U.S.A.	64.7681N	146.7832W	494	
Eigenji	JEG	Shiga,Japan	35.1353N	136.3905E	433	From 1996-01-01
Eightmile Canyon	EMI	Idaho,U.S.A.	44.0742N	112.9260W	1963	From 1992-01-01
Ein Gedi	ENGI	Israel	31.4690N	35.3940E	-321	
Eisghbrachaidh	REB	Scotland,United Kingdom	58.1188N	5.2822W	100	From 1995-09-10
Ekalaka	F24A	Montana,U.S.A.	45.8452N	104.4448W	1105	From 2008-11-15
Ekati Mine	EKTN	Northwest Territories,Canada	64.6984N	110.6095W	469	
Ekimchan	EKMR	Khabarovskiy Kray,Russia	53.0700N	132.9500E	543	
Ekona	EKC	Cameroon	4.2100N	9.3269E	450	From 1984-12-01
Eksjoe	EKSU	Sweden	57.5726N	15.3016E	250	From 2002-05-04
El Abra	ABR	Veracruz,Mexico	19.8070N	96.5345W	520	
El 'Aiyat	AUT	Egypt	29.6660N	31.1800E		
Elanda	ELDR	Altayskiy Kray,Russia	51.2170N	86.0900E	472	
El Angel	ANGS	El Salvador	13.8000N	89.1917W	850	From 1991-12-01
El Apazote	APG	Guatemala	15.0040N	90.4643W	1880	
Elat	EIL	Israel	29.6699N	34.9512E	210	From 1997-01-01
Elaudy	ELYF	Aquitaine,France	43.1700N	0.9917W	700	From 1985-02-01 to 1998-01-22
El Ayoun	AYNT	Tunisia	35.5737N	8.9292E	1100	
Elazig	ELA	Turkey	38.6833N	39.2333E		
Elazig	ELZG	Turkey	38.4978N	38.9844E	1640	From 2002-04-25
Elazig	ELZ	Turkey	38.6894N	39.2064E	1180	From 1973-09-17 to 1974-05-31
El Baul	BAUV	Venezuela	8.9433N	68.0415W	106	
El Cabril	ECAB	Spain	38.0753N	5.4186W	520	
EL CAFE	CAFV	Venezuela	10.2649N	68.0541W	1060	From 2004-05-25
El Cajon	ECA	California,U.S.A.	32.8000N	116.9500W	135	From 1949-01-01 to 1999-08-25
El Canelo	CACH	O'Higgins,Chile	34.1169S	70.6000W	1300	From 1990-11-06
El Cayaco	CAIG	Guerrero,Mexico	17.0478N	100.2673W	80	
El Centro	ECC	California,U.S.A.	32.7983N	115.5480W	-15	From 1956-11-28 to 1970-09-30
El Centro	ETC	Colombia	6.8625N	73.7694W	140	From 1975-01-31
Elche	EXEL	Spain	38.2660N	0.6980W	108	
El Chinero	ECBX	Baja California,Mexico	31.4720N	115.0513W	40	From 1983-05-17
Elco	ELC	Illinois,U.S.A.	37.2850N	89.2270W	153	From 1974-07-19
Elcoad	IELO	Spain	42.8432N	1.2366W	819	From 2008-07-18
El Crucero	CRUN	Nicaragua	11.9833N	86.3000W	930	
Elda	EXED	Spain	38.4720N	0.7910W	407	
Eldee	EEO	Ontario,Canada	46.6411N	79.0733W	398	From 1984-03-04
Eldivan	ELDT	Turkey	40.4900N	33.4269E	1596	From 1992-07-01
Eldorado	EDMA	Misiones,Argentina	26.3578S	54.4417W	310	
El Dorado	EDK	Kansas,U.S.A.	37.7738N	96.7950W	418	From 1978-04-17 to 2001-07-15
Eldorado Mountains	EMN	Nevada,U.S.A.	35.9214N	114.7541W	785	From 1988-08-11 to 2002-10-10
Electric Lake	ELU	Utah,U.S.A.	39.6402N	111.2038W	2970	
El Ejido	EXEE	Spain	36.7750N	2.8130W	107	
Elephant Butte, Truth or Consequences	Z22A	New Mexico,U.S.A.	33.2555N	106.9639W	1497	From 2008-04-11
Eleskirt	EATA	Turkey	39.8622N	42.4916E	2770	From 2009-10-04
El Faro	LFRS	El Salvador	13.6233N	89.0617W	1000	From 1991-12-01
Elginfield	ELFO	Ontario,Canada	43.1930N	81.3163W	298	
Elginfield	ELF	Ontario,Canada	43.1933N	81.3150W	320	From 1975-06-01
El Golfo de Santa Clara	EGM	Baja California,Mexico	31.6783N	114.4920W	5	From 1969-04-26
El Granada	JEGM	California,U.S.A.	37.5140N	122.4620W	202	From 1975-02-10
El Granado	EGRO	Spain	37.5342N	7.4831W	130	
El Guri	GURV	Venezuela	7.7600N	63.0850W	199	From 2003-05-15
Elham, Standardhill Farm (Kent)	ELSH	England,United Kingdom	51.1482N	1.1345E	126	From 2008-01-25
El Hato	EHV	Venezuela	8.8064N	70.8647W	3700	From 1974-01-01
El Hierro	CHIE	Canary Islands,Spain	27.7270N	17.9607W	170	From 1989-06-01
El Hierro	CTIG	Canary Islands,Spain	27.7882N	17.9221W	53	From 2009-08-14
El Hobo	HOBC	Colombia	4.3548N	76.1355W	1180	From 1987-01-01
Elida	Y26A	New Mexico,U.S.A.	33.9232N	103.8246W	1371	From 2008-04-18
Elim	ELIM	Cape Province,South Africa	34.5967S	19.7450E	472	From 2000-01-01
Eliza Dome	EDB	British Columbia,Canada	49.8737N	127.1200W	189	
Elizondo	ELIZ	Spain	43.1639N	1.5285W	523	From 1992-12-03
Elk Butte	EBI	Idaho,U.S.A.	46.8375N	116.1180W	1765	From 1987-01-01
Elk Chute Ditch	ECD	Missouri,U.S.A.	36.0600N	89.9400W	79	From 1975-09-25 to 1992-02-29
Elk City	F12A	Idaho,U.S.A.	45.7565N	115.2547W	1442	From 2006-11-03 to 2009-06-15
Elkhorn Farm, Martin	J27A	South Dakota,U.S.A.	43.2526N	102.0069W	1081	From 2009-08-01
Elkhorn Ranch	EKH	California,U.S.A.	36.6647N	121.1740W	342	From 1971-02-01
Elkhorn Ranch	BEHM	California,U.S.A.	36.6647N	121.1740W	342	From 1971-02-01
Elkhorn Road	HERM	California,U.S.A.	36.7983N	121.7110W	69	
Elko	EKO	Nevada,U.S.A.	40.8122N	115.7760W	1615	From 1969-11-12
Elko	ELK	Nevada,U.S.A.	40.7448N	115.2390W	2210	From 1968-11-01
Elko Archery Club, Elko	N11A	Nevada,U.S.A.	40.8167N	115.7360W	1643	From 2006-05-03 to 2008-08-13
Elk River	EKR	California,U.S.A.	40.6953N	124.1390W	49	From 1974-06-20
Elk Rock	ERK	Washington,U.S.A.	46.3056N	122.3410W	1270	
El Ksiba	KIB	Morocco	32.5760N	6.0390W	935	
Ellensburg	EBG	Washington,U.S.A.	46.9097N	120.5680W	805	
Ellensburg	EL-WA	Washington,U.S.A.	46.9242N	120.7300W	975	From 1962-05-28 to 1962-06-28

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ellensburg	EL-	Washington,U.S.A.	46.9242N	120.7300W	975	From 1962-05-28 to 1962-06-28
Ellenville	ELNV	New York,U.S.A.	41.5000N	74.4398W	323	
Ellicott	JELM	California,U.S.A.	36.9273N	121.8270W	85	
Ellicott City	ECM	Maryland,U.S.A.	39.2613N	76.8842W	140	
Elliot Lake	ELLO	Ontario,Canada	46.3832N	82.6639W	328	
Ellis	Q31A	Kansas,U.S.A.	39.0048N	99.3950W	680	From 2009-05-18
El Lisan	LISJ	Jordan	31.2400N	35.4810E	-327	From 1990-02-23
Ellis Ranch, Medicine Bow	L22A	Wyoming,U.S.A.	42.0310N	106.4338W	2012	From 2007-11-26
Ellisras	ERS	Transvaal,South Africa	23.6816S	27.7233E	840	From 1994-07-01 to 2003-11-21
Elliston	ELMT	Montana,U.S.A.	46.5222N	112.3445W	1981	From 1996-08-31
El Llanito	LLAV	Venezuela	10.4696N	66.8097W	875	From 1988-01-01
Ellsinore	EN-MO	Missouri,U.S.A.	36.8828N	90.5956W	152	From 1965-10-25 to 1966-02-25
Ellsinore	EN-	Missouri,U.S.A.	36.8828N	90.5956W	152	From 1965-10-25 to 1966-02-25
Ellsworth	ECT	Connecticut,U.S.A.	41.8346N	73.4113W	342	From 1976-01-28 to 1999-08-25
Ellsworth Farm, Hinsdale	B21A	Montana,U.S.A.	48.4278N	107.0166W	661	From 2008-09-05 to 2010-07-18
Elm	EMA	Alabama,U.S.A.	33.2210N	87.4738W	92	From 1971-01-09
Elma	ELM	New York,U.S.A.	42.8497N	78.6442W	216	From 1971-07-01 to 1976-07-28
Elmali	ELL	Turkey	36.7482N	29.9085E	1230	From 1973-11-29
El Manteco	GMV	Venezuela	7.3558N	62.5404W	248	
El Maslubiya	MASJ	Jordan	31.7290N	35.7183E	822	From 1983-09-01
El Mayor	EMX	Baja California,Mexico	31.9881N	115.2416W	10	From 1981-10-19
Elmendorf Base	EAFB	Alaska,U.S.A.	61.2335N	149.7718W	61	From 1994-06-24
Elmer	X32A	Oklahoma,U.S.A.	34.4214N	99.2854W	401	From 2009-10-25
El Mirage	ELMC	California,U.S.A.	34.5262N	117.6400W	986	
El Mirage 2	EL2	California,U.S.A.	34.5295N	117.5435W	1106	
Elmo	EO2TX	Texas,U.S.A.	32.6481N	96.1586W	158	
El Monte Cty Pk	EML	California,U.S.A.	32.8908N	116.8457W	161	
Elmore Ranch	ELRC	California,U.S.A.	33.1475N	115.8334W	-97	
Elmore Ranch	ERRC	California,U.S.A.	33.1168N	115.8227W	-56	
El Nido	ENPP	Palawan,Philippines	11.2060N	119.4250E	27	
Elora Gorge	ELGO	Ontario,Canada	43.6755N	80.4374W	377	
Elorza	ELOV	Venezuela	7.0010N	69.4830W	105	From 2003-04-03
Eloy	116A	Arizona,U.S.A.	32.5618N	111.7042W	477	From 2006-03-20 to 2008-12-05
Elp	ENV	Netherlands	52.8953N	6.6338E	17	
El Pangue	ELP	Valparaiso,Chile	33.2576S	71.2050W	680	From 1973-01-01
El Paso	EP-TX	Texas,U.S.A.	31.9328N	105.9667W	1615	From 1962-01-15 to 1962-05-04
El Paso	EP-	Texas,U.S.A.	31.9328N	105.9667W	1615	From 1962-01-15 to 1962-05-04
El Paso	EPT	Texas,U.S.A.	31.7717N	106.5060W	1186	From 1961-02-01
EL PAUJM	PAUV	Venezuela	10.1803N	67.2414W	1259	From 2004-07-15
El Pedroso, Sevilla	E019	Spain	37.7160N	5.8788W	125	From 2007-09-23 to 2009-06-16
Elp / Enerveen	ENV4	Netherlands	52.8944N	6.6337E	-183	From 2009-12-04
Elp / Enerveen	ENV1	Netherlands	52.8944N	6.6337E	-33	From 2009-12-04
Elp / Enerveen	ENV3	Netherlands	52.8944N	6.6337E	-133	From 2009-12-04
Elp / Enerveen	ENV2	Netherlands	52.8944N	6.6337E	-83	From 2009-12-04
El Pino	IIP	Mexico D.F.,Mexico	19.3469N	98.9180W	2650	
El Prado	PRAV	Venezuela	9.2327N	70.8507W	662	
El Quisco	ELQ	Valparaiso,Chile	33.3953S	71.6889W	50	From 1973-01-01 to 1975-03-28
El Retiro	RTR	El Salvador	13.8972N	89.6457W	1499	
El Rito	U23A	New Mexico,U.S.A.	36.3289N	106.1919W	2093	From 2008-05-21
El Roble	ROC1	Santiago,Chile	32.9759S	71.0156W	2191	
El Roble	ROCH	Santiago,Chile	32.9719S	71.0111W	2000	From 1981-12-04
El Rosal	ROSC	Colombia	4.8563N	74.3301W	3017	From 1994-01-01
El Salvador	ESC	Atacama,Chile	26.2300S	69.5100W	4700	
El Segundo	ESGS	California,U.S.A.	33.9163N	118.4200W	-100	From 1982-04-01
Elsinore Mountain	ELS	California,U.S.A.	33.6478N	117.4270W	853	
El Tejon	TEJ	California,U.S.A.	35.2298N	118.6890W	634	
El Tigre	TGRV	Venezuela	8.8340N	64.1683W	293	From 1992-11-01
El Tocuyo	TOV	Venezuela	9.7925N	69.7926W	650	
Eltopia	ETP	Washington,U.S.A.	46.4648N	119.0590W	219	From 1969-03-01
Eltopia	ET2	Washington,U.S.A.	46.5350N	118.9500W	330	From 1989-04-05 to 2001-11-01
Eltopia	ET3	Washington,U.S.A.	46.5773N	118.9375W	286	From 1990-09-12
Elvey	ELV	Alaska,U.S.A.	64.8603N	147.8490W	180	From 1971-08-01 to 1972-08-31
El Viejo	A495	Costa Rica	10.3925N	85.4560W	0	From 2000-01-01
El Vigia	EVV	Veracruz,Mexico	18.4565N	95.3493W		From 1988-01-01
El Vigia	VIGV	Venezuela	8.8400N	71.3642W	417	
El Volcan	VOLV	Venezuela	10.4200N	66.8498W	1480	
Ely	ELY	Nevada,U.S.A.	39.1313N	114.8920W	2011	
Ely	EY2NV	Nevada,U.S.A.	39.4314N	115.3178W	2012	From 1966-03-01 to 1966-03-12
Ely	EY-	Nevada,U.S.A.	39.4100N	115.3128W	2012	From 1963-04-21 to 1963-06-10
Ely	EY-NV	Nevada,U.S.A.	39.4100N	115.3128W	2012	From 1963-04-21 to 1963-06-10
Ely	EYMN	Minnesota,U.S.A.	47.9462N	91.4950W	475	From 1994-09-26
Ely	EY2	Nevada,U.S.A.	39.4314N	115.3178W	2012	From 1966-03-01 to 1966-03-12
El Yeso	YECH	Santiago,Chile	33.6653S	70.0834W	2577	From 2006-04-21
El Yunque	EYP	Puerto Rico	18.3127N	65.7911W	1060	From 1975-07-30 to 1976-08-09
El Zacaton	ZAX	Baja California	31.5137N	116.2730W	947	
Emae	EME	Vanuatu	17.0908S	168.3510E		
Emamgholi	IEMG	Iran	37.4155N	58.6522E	2565	From 1997-03-01
Embalse de El Pintado, Sevilla	E018	Spain	37.9803N	5.9548W	392	From 2007-09-16 to 2009-06-17
Embalse del Gaudalen, Jaen	E932	Spain	38.1496N	3.4708W	418	From 2009-02-12 to 2009-09-15
Embd, Mattertal	EMBD	Switzerland	46.2165N	7.8322E	1180	From 2009-10-29
Emerald Bay	EMB	California,U.S.A.	38.9747N	120.1027W	2122	
Emergency Operations Facility	EFD	California,U.S.A.	35.3205N	120.7250W	95	
Emma Park	EMUT	Utah,U.S.A.	39.8140N	110.8150W	2268	
Emmet	BEMM	California,U.S.A.	36.6613N	121.0960W	488	From 1970-08-14
Emmet	EMT	California,U.S.A.	36.6613N	121.0960W	488	From 1970-08-14
Emosson	EMO	Switzerland	46.0482N	6.9620E	1800	From 1973-09-01 to 1980-12-31
Emosson-Mur	EMS	Switzerland	46.0700N	6.9310E	1800	From 1981-01-01 to 2002-01-02
Empire Grade Rd	LT11	California,U.S.A.	37.0352N	122.1040W	442	From 1969-03-04 to 1976-04-30
Empire Grade Road	EGR	California,U.S.A.	37.0352N	122.1040W	442	From 1969-03-04 to 1976-04-30
Emporia	EM-KA	Kansas,U.S.A.	38.5247N	96.4728W	411	From 1965-09-14 to 1965-09-16
Emporia	EM-	Kansas,U.S.A.	38.5247N	96.4728W	411	From 1965-09-14 to 1965-09-16
Emporia	EMK	Kansas,U.S.A.	38.4465N	96.3172W	370	From 1977-08-15 to 2001-07-15
Encino	035A	Texas,U.S.A.	26.9379N	98.1023W	29	From 2010-01-12
Ende, Flores	EDFI	Flores,Indonesia	8.7497S	121.6903E	914	From 2008-12-01
Endenburg	ENDD	Baden-Wurttemberg,Germany	47.7150N	7.7379E	635	From 1984-12-01
Endilloe	EDO	South Australia,Australia	32.3217S	138.0483E	300	From 1977-01-01
Enez	ENEZ	Turkey	40.7362N	26.1530E	101	From 2006-06-21
Engebretsen Ranch, Morrill	L25A	Nebraska,U.S.A.	42.1548N	103.9657W	1379	From 2008-11-22
Enggano, Bengkulu	EGSI	Sumatera,Indonesia	5.3526S	102.2767E	35	From 2008-12-01
Engineer Hill	ENG	Alaska,U.S.A.	64.7352N	147.0460W	220	From 1971-09-07 to 1976-06-30
Engine Test Stand	ETS	Nevada,U.S.A.	36.8325N	116.3090W	1158	From 1965-01-01 to 1970-12-31
English Bluff	ENGB	British Columbia,Canada	49.0080N	123.0889W	55	
Engstlatt	ENGD	Baden-Wurttemberg,Germany	48.3125N	8.8729E	538	From 1982-01-01
Enilchek, Kyrgyzstan	ENEL	Kyrgyzstan	42.1529N	79.4550E	2739	From 2008-09-22
Eniwetok	EW-IS	Marshall Islands	11.3972N	162.3753E	3	From 1963-06-28 to 1963-09-13
Eniwetok	EW-	Marshall Islands	11.3972N	162.3753E	3	From 1963-06-28 to 1963-09-13
Eniwo	JEW	Ishikari,Japan	42.8402N	141.4498E	185	From 1995-02-01
Ennepetalsperre	ENTS	Nordrhein-Westfalen,Germany	51.2414N	7.4108E	300	From 2000-10-01
Ennis	136A	Texas,U.S.A.	32.4746N	96.5297W	113	From 2010-06-06
Ens	RESF	Midi-Pyrenees,France	42.8077N	0.3385E	1270	From 1998-09-01
Ens	ENSF	Midi-Pyrenees,France	42.8047N	0.3356E	1300	
Ensenada	ENX	Baja California,Mexico	31.8835N	116.6626W	230	From 1981-08-03
Ensenada	ECX	Baja California,Mexico	31.8690N	116.6600W		
Enshi	ENH	Hubei,China	30.2718N	109.4870E	487	From 1986-01-01
Entebbe	ENT	Uganda	0.0589N	32.4733E	1175	
Entiat	ETW	Washington,U.S.A.	47.6045N	120.3310W	1475	From 1986-10-01
Entracque	ENR	Italy	44.2267N	7.4203E	1040	From 1967-01-01
Entre Lagos	PUYE	Chile	40.6839S	72.6034W	209	
Enumclaw	D05A	Washington,U.S.A.	47.1881N	121.9888W	266	From 2005-11-21 to 2008-12-03
Enzan	ENZ	Yamanashi,Japan	35.7360N	138.8053E	807	
Eparoz	IEPA	Spain	42.7794N	1.2669W	769	From 2008-07-18
Epen	ENN	Netherlands	50.7672N	5.9233E	120	From 1981-01-01 to 1996-02-27
Ephrata	EPH	Washington,U.S.A.	47.3536N	119.5960W	628	From 1983-03-01
Ephrata	EPW	Washington,U.S.A.	47.3522N	119.5960W	628	From 1975-06-01
Epi	EPI	Vanuatu	16.6950S	168.1160E		
Erbaa	ERBA	Turkey	40.6814N	36.7547E	655	From 2008-03-24
Erciyes	ERCT	Turkey	38.6031N	35.5142E	1915	From 1993-08-28 to 1998-05-01
Erdek	ERD	Turkey	40.4000N	27.8000E		From 1970-01-01 to 1972-12-31
Erdemli	MEST	Turkey	36.5869N	34.1453E	855	From 2003-12-12

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Eremo	ERBM	Italy	44.4192N	10.4128E	919	
Erenkoy	EREN	Cyprus	35.5300N	34.1700E	88	
Eretria	EREA	Greece	38.4199N	23.9318E	475	From 2010-06-16
Eretria	ERET	Greece	38.4423N	23.8064E	810	From 2008-12-23
Erewhon	EWZ	South Island,New Zealand	43.5117S	170.8520E	650	From 1991-03-21 to 2002-12-20
Erian - IBB Gov. - Yemen	ERIN	Yemen	14.2300N	44.2300E	1600	From 1997-01-15 to 2005-10-22
Erice	ERC	Sicily,Italy	38.0376N	12.5873E	776	From 1978-02-01
Erice	ER1	Sicily,Italy	38.0376N	12.5873E	776	From 1978-02-01
Erie	ERP	Pennsylvania,U.S.A.	42.1333N	79.9833W		
Erie	ERPA	Pennsylvania,U.S.A.	42.1175N	79.9891W	306	
Erikli-Kesan	ERIK	Turkey	40.6708N	26.5132E	41	From 2008-07-02
Erimo	JEM	Hidaka,Japan	42.0158N	143.1573E	40	
Erimo	ERM	Hidaka,Japan	42.0150N	143.1571E	40	From 1976-07-01
Erithrai	VTH	Greece	38.2006N	23.3600E	756	From 1982-10-01
Erkin-Say	EKS	Kyrgyzstan	42.6680N	73.7860E	1180	
Erkin-Say	EKS2	Kyrgyzstan	42.6615N	73.7772E	1360	
Ermenek	ERMK	Turkey	36.6416N	32.9128E	1855	From 2005-02-28
Ernestine	ERN	Alaska,U.S.A.	61.4442N	145.1120W	570	From 1971-09-16 to 1973-08-29
Ernies Place	ERPC	California,U.S.A.	32.7435N	115.6630W	-9	
EROS Data Center, Sioux Falls	ECSD	South Dakota,U.S.A.	43.7337N	96.6141W	478	
Erpfingen	ERPF	Baden-Wurttemberg,Germany	48.3447N	9.1744E	839	From 2010-03-01
Err	ERR	Morocco	32.3800N	6.3230W		From 1995-12-16
Errachidia	ZFT	Morocco	32.0340N	4.3520W	1800	From 1993-01-01
Er Rumman	RUMJ	Jordan	32.1820N	35.8275E	445	From 1983-09-01
Erto-Casso	ERT	Italy	46.2767N	12.3767E	775	From 1982-11-24 to 1988-01-01
Ertsjaerv	ERTU	Sweden	66.5541N	22.1895E	300	From 2004-04-17
Erzin	ERNS	Tyva,Russia	50.2630N	95.1550E	1105	
Erzincan	ERZN	Turkey	39.5866N	39.7220E	1310	From 2008-10-15
Erzincan	EZC	Turkey	39.7520N	39.3533E	1500	From 1993-08-27
Erzincan	KRDT	Turkey	39.9167N	39.1183E	2810	From 1998-09-30 to 2003-08-14
Erzurum	ERZ	Turkey	39.9150N	41.2767E	1850	From 1966-08-06
Erzurum	EZM	Turkey	39.9053N	41.3623E	2400	
Erzurum	ERZM	Turkey	39.9053N	41.3658E	2380	From 1996-01-01
Erzurum	ERZT	Turkey	39.9067N	41.2533E	1955	
Erzyncan	ERZC	Turkey	39.7242N	39.5258E	1170	From 1998-01-01 to 1998-09-29
Esa-ala	ESB	D'Entrecasteaux Islands,Papua New Guinea	9.6867S	150.9030E	60	From 1974-01-01
Esa-ala	ESA	D'Entrecasteaux Islands,Papua New Guinea	9.7384S	150.8140E	46	From 1965-01-01
Esan	ESH	O shima,Japan	41.8842N	141.0112E	40	From 1976-07-01
Esanatoglia	SNTG	Italy	43.2550N	12.9406E	625	
Escape Road	ESR	Hawaii,U.S.A.	19.4113N	155.2390W	1177	From 1971-09-01
ESCO Site	ESCO	Congo (Kinshasa)	1.6340S	29.1590E	1480	
Escot	ESCF	Aquitaine,France	43.0785N	0.5747W	570	
Escuela Geologia	SJS	Costa Rica	9.9392N	84.0542W	1196	
EscuelaIngenieria	EDC*	Santiago,Chile	33.4592S	70.6678W		
Esen Bulak	EBM	Mongolia	46.3900N	96.2600E	2160	
Esenkoy-Cinarcik-Yalova	SBT5	Turkey	40.6311N	28.8803E	-368	From 2010-06-09
Esentepe	ESE	Turkey	40.7556N	30.3242E	197	From 1991-01-01
Eskdalemuir	EKG	Scotland,United Kingdom	55.3339N	3.1923W	356	From 2002-11-12
Eskdalemuir	EKB	Scotland,United Kingdom	55.3339N	3.1923W	356	
Eskdalemuir	ESK	Scotland,United Kingdom	55.3167N	3.2050W	263	From 1964-03-19
Eskdalemuir Array	EKA	Scotland,United Kingdom	55.3331N	3.1592W	263	From 1962-05-01
Eskdalemuir Array Site B1	EKB1	Scotland,United Kingdom	55.3093N	3.1770W	274	
Eskdalemuir Array Site B10	EKB10	Scotland,United Kingdom	55.3769N	3.1292W	328	
Eskdalemuir Array Site B2	EKB2	Scotland,United Kingdom	55.3168N	3.1717W	313	
Eskdalemuir Array Site B3	EKB3	Scotland,United Kingdom	55.3249N	3.1682W	306	
Eskdalemuir Array Site B4	EKB4	Scotland,United Kingdom	55.3317N	3.1612W	300	
Eskdalemuir Array Site B5	EKB5	Scotland,United Kingdom	55.3393N	3.1563W	313	
Eskdalemuir Array Site B6	EKB6	Scotland,United Kingdom	55.3466N	3.1506W	337	
Eskdalemuir Array Site B7	EKB7	Scotland,United Kingdom	55.3541N	3.1454W	435	
Eskdalemuir Array Site B8	EKB8	Scotland,United Kingdom	55.3618N	3.1397W	400	
Eskdalemuir Array Site B9	EKB9	Scotland,United Kingdom	55.3690N	3.1348W	395	
Eskdalemuir Array Site R1	EKR1	Scotland,United Kingdom	55.3374N	3.1786W	355	
Eskdalemuir Array Site R10	EKR10	Scotland,United Kingdom	55.3104N	3.0609W	382	
Eskdalemuir Array Site R2	EKR2	Scotland,United Kingdom	55.3344N	3.1656W	349	
Eskdalemuir Array Site R3	EKR3	Scotland,United Kingdom	55.3306N	3.1530W	319	
Eskdalemuir Array Site R4	EKR4	Scotland,United Kingdom	55.3284N	3.1394W	336	
Eskdalemuir Array Site R5	EKR5	Scotland,United Kingdom	55.3254N	3.1263W	306	
Eskdalemuir Array Site R6	EKR6	Scotland,United Kingdom	55.3224N	3.1132W	394	
Eskdalemuir Array Site R7	EKR7	Scotland,United Kingdom	55.3194N	3.1001W	348	
Eskdalemuir Array Site R8	EKR8	Scotland,United Kingdom	55.3163N	3.0868W	419	
Eskdalemuir Array Site R9	EKR9	Scotland,United Kingdom	55.3137N	3.0732W	431	
Eskilstuna	ESKU	Sweden	59.2311N	16.3938E	50	From 2002-01-19
Eskisehir	ESKT	Turkey	39.5200N	30.8500E	1289	
Eskisehir	BORA	Turkey	39.8801N	30.4534E	960	From 2005-08-04
Eskiyayla	EYL	Turkey	40.5658N	30.1250E	1160	From 1990-01-01
Eskypehyr	SEYT	Turkey	39.5200N	30.8500E	1172	From 1998-01-01
Espanola	ES-	Ontario,Canada	46.3189N	81.7928W	274	From 1962-11-12 to 1962-12-07
Espanola	ES-ON	Ontario,Canada	46.3189N	81.7928W	274	From 1962-11-12 to 1962-12-07
Esparros	EPF	Aquitaine,France	43.0308N	0.3400E	750	From 1977-07-07
Esparros	PYF	Aquitaine,France	43.0308N	0.3400E	750	From 1977-07-07
Esparza	EPA	Costa Rica	9.9877N	84.5965W	310	From 1984-03-17
Espegrend	EGD	Norway	60.2712N	5.2257E	20	From 1991-03-01
Espenschied	ESP	Hessen,Germany	50.0992N	7.8932E	398	
Espera	ESPR	Spain	36.8686N	5.8562W	135	
Esperanza - Manati, PR	EMPR	Puerto Rico	18.4770N	66.5296W	9	From 2011-07-01
Espira	FESP	Midi-Pyrenees,France	42.8199N	2.8222E	240	From 2008-10-01
Espiye-Giresun	ESPY	Turkey	40.9167N	38.7273E	430	From 2007-03-02
Espot	ESPO	Spain	42.5785N	1.1197E	1440	
Esso	ESO	Kamchatskaya Oblast',Russia	55.9250N	158.7000E	490	
Estacion Bilbao	BIL2	Ecuador	1.4553S	78.5025W	2381	From 2007-08-22
Estacion Edusismo	QTOE	Ecuador	0.1722S	78.4889W	2777	From 2007-01-01
Estacion Juarez	EJC	Chiapas,Mexico	17.6044N	93.1956W		
Estancia	EST	New Mexico,U.S.A.	34.8645N	105.7230W	2055	From 1976-06-01
Esteban Cantu	ECNX	Baja California,Mexico	31.6570N	116.5978W	1040	
Estepa	ESTP	Spain	37.2713N	4.8662W	893	
Estepona	EXES	Spain	36.4230N	5.1520W	13	
Esterri de Cardos	CEST	Spain	42.6005N	1.2553E	1325	From 2006-06-01
Estevan Point	ETB	British Columbia,Canada	49.3763N	126.5380W	1	
E St Louis HE Ctr	STIL	Missouri,U.S.A.	38.6205N	90.1626W	131	
Estremoz	PESTR	Portugal	38.8672N	7.5902W	410	From 2006-07-01
Esutoru	ESU	Sakhalinskaya Oblast',Russia	49.0833N	142.0330E		
Eten	CHP7	Peru	6.9450S	79.8650W	200	
Ethyl Lake Duckett	ELD	Alberta,Canada	54.5358N	110.3320W	564	From 1978-12-01
Etna Belvedere	EBEL	Sicily,Italy	37.7408N	15.0091E	2808	From 2004-09-14
Etna Monte Conca	EMCN	Italy	37.7912N	15.0335E	1911	From 2008-05-15
Etna Monte Frumento Supino	EMFS	Italy	37.7196N	14.9979E	2545	From 2004-07-20
Etowah	ETT	Tennessee,U.S.A.	35.3260N	84.4550W	588	From 1981-11-25
Etsaut	ETSF	Aquitaine,France	42.8986N	0.5592W	910	From 1996-04-03
Eugene	I03A	Oregon,U.S.A.	43.9726N	123.2777W	205	From 2005-11-18 to 2008-01-20
Eugene	EUO	Oregon,U.S.A.	44.0294N	123.0689W	160	
Eugowra	EUGM	New South Wales,Australia	33.4182S	148.3418E	290	
Eureka	F29A	South Dakota,U.S.A.	45.8336N	99.8273W	575	From 2009-08-21
Eureka	EUR	Nevada,U.S.A.	39.4833N	115.9700W	2178	From 1958-05-01
Eureka	EK-NV	Nevada,U.S.A.	39.2089N	115.7103W	1951	From 1963-11-11 to 1964-11-02
Eureka	EUW	Washington,U.S.A.	46.3958N	118.5620W	367	From 1975-06-01
Eureka	EUNU	Nunavut,Canada	80.0533N	86.4158W	628	
Eureka	P10A	Nevada,U.S.A.	39.6202N	116.4639W	1874	From 2006-06-07 to 2008-09-08
Eureka Canyon	EUC	California,U.S.A.	37.0505N	121.8104W	399	From 1969-05-28 to 2011-07-26
Eureka Canyon	JECM	California,U.S.A.	37.0505N	121.8104W	399	From 1969-05-28 to 2011-07-26
Eureka Canyon	LT12	California,U.S.A.	37.0505N	121.8104W	399	From 1969-05-28 to 2011-07-26
Eureka Canyon	JECB	California,U.S.A.	37.0492N	121.8072W	365	
Eureka (L)	EK-	Nevada,U.S.A.	39.2089N	115.7103W	1951	From 1963-11-11 to 1964-11-02
Eureka Mesa	EUM	New Mexico,U.S.A.	36.0131N	106.8440W	2914	From 1976-01-13
Eureka Ridge	ERI	Idaho,U.S.A.	46.5347N	116.2750W	862	From 1971-10-01 to 1974-07-26
Eutaw	EU-AL	Alabama,U.S.A.	32.7792N	87.8739W	43	From 1963-07-02 to 1964-10-22
Eutaw	EU-	Alabama,U.S.A.	32.7792N	87.8739W	43	From 1963-07-02 to 1964-10-22
Eutaw	EU2AL	Alabama,U.S.A.	32.7964N	87.8847W	43	From 1966-11-12 to 1967-01-16
Eutaw	EU2	Alabama,U.S.A.	32.7964N	87.8847W	43	From 1966-11-12 to 1967-01-16
Evander	EVA	Transvaal,South Africa	26.5055S	29.0770E	1621	From 1981-01-01 to 1999-01-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Evansville	EVIN	U.S.A.	37.9716N	87.5297W	140	
Evensk	EVNR	Magadanskaya Oblast',Russia	61.9240N	159.2670E	75	From 2006-05-05
Evensk	EVEN	Magadanskaya Oblast',Russia	61.9140N	159.2290E	17	From 2008-11-23
Everest	EVN	Nepal	27.9568N	86.8167E	5037	
Everett College ANSS-SMO	EVCC	Washington,U.S.A.	48.0073N	122.2055W	30	From 2001-08-28
Everett Gateway Middle School ANSS-SMO	EVGW	Washington,U.S.A.	47.8542N	122.1546W	122	From 2001-07-01
Everglades	EVE	Florida,U.S.A.	25.3873N	80.6828W	1	
Evergreen College	EGRN	Washington,U.S.A.	47.0733N	122.9781W	57	
Evora	EVO	Portugal	38.5320N	8.0130W	235	
Evora	NE27	Portugal	38.5320N	8.0130W		
Evrytania	EVR	Greece	38.9167N	21.8087E	1050	
E Wide Canyon 2	EW2	California,U.S.A.	33.9406N	116.4084W	639	
Ewing Young ES, Newberg ANSS-SMO	EYES	Oregon,U.S.A.	45.3294N	123.0577W	61	From 2002-09-01
Excelsior	EXC	Nevada,U.S.A.	38.3385N	118.3242W	1823	
Exmoor	HEX	England,United Kingdom	51.0668N	3.8025W	278	From 1991-01-01
Exogi	EXG	Greece	38.4609N	20.6327E	331	From 2010-06-09
Experimental Lakes	EPLO	Ontario,Canada	49.6737N	93.7258W	437	
Experiment Station	EXSG	California,U.S.A.	37.6137N	118.8310W	2153	From 1984-07-01
Eystri-Skogar	IESK	Iceland	63.5250N	19.4510W	95	From 2001-10-04
Ezine	EZN	Turkey	39.8258N	26.3253E	50	From 1970-08-01
Fabra	FBR	Spain	41.4164N	2.1250E	405	
Fabrichnaya	FAB	Kazakhstan	43.1470N	76.4470E	1050	
Fachingen	FACH	Rheinland-Pfalz,Germany	50.3563N	7.9938E	110	
Faenza	FAE	Italy	44.3056N	11.8833E	48	
Faenza	FAEN	Italy	44.2895N	11.8770E	41	From 2007-09-17
Fagnano	FAGN	Italy	42.2660N	13.5840E	760	From 2004-05-11
Fagurholsmyri	IFAG	Iceland	63.8750N	16.6540W	27	From 1999-05-14
Failaka Island	FKI	Kuwait	29.4471N	48.3132E	6	
Fairbairn	FAIR	Queensland,Australia	23.6565S	148.0772E	290	
Fairbanks	FB2AK	Alaska,U.S.A.	64.9100N	147.4464W	343	
Fairbanks	FBA	Alaska,U.S.A.	64.9000N	147.7933W	320	From 1978-08-13 to 1996-12-31
Fairbanks	FB-AK	Alaska,U.S.A.	64.9519N	148.2842W	716	
Fairbanks	FBAS	Alaska,U.S.A.	64.7711N	146.8860W	400	
Fairbanks	FBK	Alaska,U.S.A.	64.8994N	148.0060W	330	From 1970-09-01 to 1972-04-30
FAIRBANKS INFRASONIC ARRAY REFERENCE POINTS	GBUS	Alaska	64.8750N	147.8611W	200	From 2002-09-17
Fairbanks--Long Period	FBAL	Alaska,U.S.A.	64.9100N	147.4464W	365	
Fairbourne	WFB	Wales,United Kingdom	52.6830N	4.0378W	325	From 1985-01-01
Fairfield	D25A	North Dakota,U.S.A.	47.1508N	103.3203W	850	From 2009-07-22
Fair Harbour	FHRB	British Columbia,Canada	50.0537N	127.1186W	0	From 2009-03-12
Fairmont	FTW	Washington,U.S.A.	47.8767N	122.2010W	147	From 1975-09-24
Fairpoint	H26A	South Dakota,U.S.A.	44.6168N	102.7739W	879	From 2009-06-20
Fairview Park	FPN1	Nevada,U.S.A.	39.2488N	118.1620W	2002	
Fairview Peak	FPN	Nevada,U.S.A.	39.2040N	118.1560W	2256	From 1971-09-30 to 1999-08-25
Faith Ranch, Carrizo Springs	832A	Texas,U.S.A.	28.2844N	99.9743W	238	From 2009-12-07
Faja de Cima	FAC	Azores,Portugal	37.7732N	25.6505W	191	From 1981-01-01
Fakeheh	FKH	Lebanon	34.2448N	36.4102E	1152	From 2004-12-01
Fak Fak	FAKI	Irian Jaya,Indonesia	2.9192S	132.2489E	136	From 2008-11-27
Falk	FKPU	Sweden	58.1591N	13.7241E	305	From 2004-08-07
Falkenberg	FABU	Sweden	57.0011N	12.7184E	80	From 2006-10-07
Falkenberg	FALK	Bayern,Germany	49.8606N	12.2248E	465	
Falkland Islands	FLK	Falkland Islands	51.8365S	58.4465W	10	From 1992-11-06
Falling Springs	FAL	California,U.S.A.	34.3098N	117.8092W	2316	
Fallon	P07A	Nevada,U.S.A.	39.5399N	118.8893W	1218	From 2006-02-25 to 2008-03-10
Fall River	FLR	Massachusetts,U.S.A.	41.7167N	71.1215W	52	From 1975-03-24 to 1999-01-31
False Pass	FALS	Alaska,U.S.A.	54.8573N	163.4155W	45	
False Pass	FSP	Alaska,U.S.A.	54.9533N	163.4570W	200	
Falun	FALU	Sweden	60.4943N	15.8318E	150	From 2002-01-15
Famagusta	FAM	Cyprus	34.9961N	34.0019E	68	From 1987-02-01 to 1998-11-30
Famara	EFAM	Spain	29.1275N	13.5295W	135	
Fancy Village	SFAN	St Vincent,Saint Vincent and the Grenadines	13.3838N	61.1721W	229	
F and S Farms, Texico	X27A	New Mexico,U.S.A.	34.6469N	103.0974W	1304	From 2008-04-28
Fangliau	SCZT	Taiwan region	22.3720N	120.6200E	74	
Fanning Island	FAN	Line Islands,Kiribati	4.0000N	159.6670W		
Fano Adriatico	RM18	Italy	42.5499N	13.5318E	853	From 2009-04-09 to 2009-06-23
Fanzolo, Italy	MFAN	Italy	45.7119N	11.9989E	65	From 2010-07-06
Faraa	FRAS	Saudi Arabia	21.0584N	40.5183E	1996	
Farallon Islands	NFIM	California,U.S.A.	37.6983N	123.0000W	107	From 1971-05-05
Farallon Islands	FARB	California,U.S.A.	37.6978N	123.0011W	-18	
Farasan al Kabir	FRSS	Saudi Arabia	16.7383N	42.1152E	66	
Faratahi	FRT	Tuamotu,French Polynesia	18.1700S	141.0420W	2	From 1976-01-01
Farellones	FCH	Santiago,Chile	33.3276S	70.2906W	2770	From 1982-01-01
Fargo Canyon	FRGC	California,U.S.A.	33.7572N	116.0623W	887	
Faris Peak	WFAR	Alaska,U.S.A.	54.5371N	164.7765W	640	
Farley Peak	KFPM	California,U.S.A.	39.6392N	123.4240W	796	
Farmers Butte	FBO	Oregon,U.S.A.	44.3099N	122.5780W	1080	From 1991-09-01
Farmington	FARG	New Mexico,U.S.A.	36.7781N	108.1870W	1801	From 1977-10-01 to 1999-08-25
Farmville	FRV	Virginia,U.S.A.	37.2030N	78.3593W	216	From 1978-10-10 to 2004-09-30
Faro	FARH	Ecuador	0.0355S	78.5095W	3595	
Faro	FAR	Portugal	37.0189N	7.9722W	8	
Farra di Soligo, Italy	MPRO	Italy	45.9106N	12.1070E	281	From 2010-06-07
Farr-Stevens Ranch, Sargent	738A	Texas,U.S.A.	28.8404N	95.6481W	13	From 2010-02-16
Farson	L19A	Wyoming,U.S.A.	42.1012N	109.3575W	2034	From 2007-10-24
Fartura	FRTB	Sao Paulo	23.3435S	49.5635W	531	
Far West T-bar	FWVZ	North Island,New Zealand	39.2564S	175.5519E	2000	
Fath-abad	IFTB	Iran	38.0171N	46.3944E	2222	From 2008-01-01
Fatmalar	FAT	Turkey	36.9065N	31.5136E	472	From 1975-04-01
Faulkton	G30A	South Dakota,U.S.A.	45.1293N	99.1446W	496	From 2009-09-09
Faultless	FA-NV	Nevada,U.S.A.	38.6406N	116.2228W	1920	
Fauresmith	FRS	Orange Free State,South Africa	29.7500S	25.3217E	1420	From 1985-01-01 to 2000-09-01
Favara	FA1	Sicily,Italy	37.3000N	13.6600E	330	From 1983-04-01
Favara	FAI	Sicily,Italy	37.2758N	13.6756E	149	From 1983-04-01
Favara	FAVR	Sicily,Italy	37.2671N	13.6669E	258	
Fayetteville	FAV	Arkansas,U.S.A.	36.1214N	94.1906W	387	From 1969-07-01
Fayetteville	FAY	Arkansas,U.S.A.	36.0911N	94.1911W	404	From 1952-01-01 to 1969-07-31
Fayid	FYD	Egypt	30.2930N	32.2310E	200	
Feather Falls	FEA	California,U.S.A.	39.6191N	121.2460W	1227	From 1966-06-01 to 1969-01-31
Featherly Pass	FLP	Alaska,U.S.A.	57.7117N	156.2650W	485	From 1975-10-01
Federal Ranch	FRC	British Columbia,Canada	56.4417N	122.3830W		From 1967-12-01 to 1973-04-06
Feichten	FETA	Austria	47.0211N	10.7291E	1632	From 2006-12-13
Feke	FEKT	Turkey	37.8070N	35.9070E	690	From 1993-01-01
Feldberg	FEL	Baden-Wurttemberg,Germany	47.8758N	8.0127E	1330	From 1961-01-01 to 1996-04-30
Feldberg im Schwarzwald	FELD	Baden-Wurttemberg,Germany	47.8763N	8.0040E	1465	From 1996-04-01
Fenais da Ajuda	PFAD	Azores,Portugal	37.8388N	25.3231W	291	From 2003-12-01
Fenestrelle	FENE	Italy	45.0302N	7.0627E	1000	From 1996-10-01 to 2009-09-30
Feng-lin	TWE*	Taiwan region	23.7367N	120.4255E	140	
Feodosiya	FEO	Ukraine	45.0190N	35.3900E	40	
Fergana	FRG	Uzbekistan	40.3833N	71.7833E	577	
Ferguson	FERR	Nevada,U.S.A.	38.5928N	118.1750W	1646	From 1976-03-01
Fernando de Noronha	FNDO	Brazil	3.8333S	32.4167W		
Ferndale	FER	California,U.S.A.	40.5767N	124.2620W	15	From 1933-01-01
Fern Forest	FEF	Hawaii,U.S.A.	19.4783N	155.1490W	691	
Fernie	FRN	British Columbia,Canada	49.4833N	114.9770W		
Ferrara Citta	FECT	Italy	44.8675N	11.6264E	-55	
Ferry Basin	FBMT	Montana,U.S.A.	47.4068N	114.4222W	1518	
Feteiras	PFET	Azores,Portugal	37.8174N	25.7886W	342	From 2004-06-01
Fethiye	FETY	Turkey	36.6353N	29.0835E	452	From 2004-12-03
Fethiye-Mugla	FETI	Turkey	36.6901N	29.0962E	20	From 2011-04-21
Fiamignano	FIAM	Italy	42.2680N	13.1172E	1070	From 2004-07-02
Ficken Ranch, Kirk	P27A	Colorado,U.S.A.	39.5559N	102.5782W	1286	From 2009-02-03
Fickle Hill	FHC	California,U.S.A.	40.8017N	123.9850W	610	From 1968-12-01
Fiddyment Ranch	AFRM	California,U.S.A.	38.7923N	121.3490W	31	From 1976-12-02
Fields	L08A	Oregon,U.S.A.	42.1901N	118.3445W	1490	From 2006-06-19 to 2008-04-19
Fields Point	FPW	Washington,U.S.A.	47.9667N	120.2130W	352	From 1975-06-01
Fierza	FRZ	Albania	42.2813N	20.0382E		
Fiescheralp	FIESA	Switzerland	46.4353N	8.1104E	2338	From 2009-11-12
Fiesheim UWZ	BA04	Nordrhein-Westfalen,Germany	50.7620N	6.7941E	118	From 2006-10-01
Fig Tree	FGTQ	Queensland,Australia	20.9701S	147.7760E	220	From 1987-08-03
Figueroa Mtn.	FIGC	California,U.S.A.	34.7283N	119.9880W	945	
Fila Bonilla	FIBO	Costa Rica	10.0192N	83.7075W	2160	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Fila Carbon	FICA	Costa Rica	9.7375N	82.8945W	204	
Fila de Piedra	FIPE	Venezuela	7.9697N	71.2511W	600	From 1984-01-01
Filaki	VFI	Greece	39.2352N	22.5921E	360	From 1982-10-01
Fila Paraiso	ELPA	Venezuela	7.7917N	71.7253W	1285	From 1984-01-01
Filetto	RM08	Italy	42.3719N	13.5047E	1054	From 2009-04-06 to 2009-08-31
Filicudi I Eolie	IFIL	Sicily,Italy	38.5640N	14.5660E	200	From 1979-01-01
Filignano	CERA	Italy	41.5978N	14.0183E	800	From 2006-07-20
Fillmore	FM-	Utah,U.S.A.	39.2183N	112.2069W	1890	From 1961-10-07 to 1966-03-12
Fillmore	FM-UT	Utah,U.S.A.	39.2183N	112.2069W	1890	From 1961-10-07 to 1966-03-12
Fillmore	FIL	California,U.S.A.	34.4238N	118.8350W	243	
Fillmore	Q15A	Utah,U.S.A.	38.9995N	112.3793W	1477	From 2007-05-22 to 2008-11-15
Fillols	FILF	Languedoc-Rousillon,France	42.5603N	2.5603E	850	From 1998-09-09
Finale Ligure	FINB	Italy	44.1775N	8.3253E	85	From 2008-01-01
Finale Ligure	FIN	Italy	44.2092N	8.2083E	590	From 1984-01-01 to 2009-09-30
Finca la Perla	LAPC	Costa Rica	10.7675N	85.4328W	359	From 2000-01-01
Finca Las Im˜¡genes	GBS3	Costa Rica	10.7818N	85.4550W	359	From 2000-01-01
Fine	FINE	New York,U.S.A.	44.2650N	75.1670W	354	
FINESS Array Beam Reference Point	FINES	Finland	61.4436N	26.0771E	150	
FINESS Array Site A0	FIA0	Finland	61.4436N	26.0771E	156	From 1990-01-01
FINESS Array Site A1	FIA1	Finland	61.4445N	26.0793E	138	
FINESS Array Site A2	FIA2	Finland	61.4412N	26.0737E	162	
FINESS Array Site A3	FIA3	Finland	61.4447N	26.0716E	153	
FINESS Array Site B1	FIB1	Finland	61.4441N	26.0845E	165	
FINESS Array Site B2	FIB2	Finland	61.4391N	26.0818E	159	
FINESS Array Site B3	FIB3	Finland	61.4394N	26.0706E	176	
FINESS Array Site B4	FIB4	Finland	61.4436N	26.0650E	158	
FINESS Array Site B5	FIB5	Finland	61.4467N	26.0711E	143	
FINESS Array Site B6	FIB6	Finland	61.4469N	26.0808E	147	
FINESS Array Site C1	FIC1	Finland	61.4384N	26.0596E	158	
FINESS Array Site C2	FIC2	Finland	61.4488N	26.0612E	154	
FINESS Array Site C3	FIC3	Finland	61.4527N	26.0772E	133	
FINESS Array Site C4	FIC4	Finland	61.4489N	26.0899E	145	
FINESS Array Site C5	FIC5	Finland	61.4397N	26.0917E	161	
FINESS Array Site C6	FIC6	Finland	61.4346N	26.0760E	159	
Finlay Fork	FNC	British Columbia,Canada	55.9917N	123.2500W		
Finn Hill Junior High School	FINN	Washington,U.S.A.	47.7191N	122.2319W	10	
Finntorp	FINU	Sweden	59.4034N	12.4789E	20	From 2005-05-01
Finschhafen	FINC	Papua New Guinea	6.6167S	147.8570E	7	From 1992-05-20
Finsterwolde	FSW	Netherlands	53.2146N	7.1204E	0	
Finsterwolde 1	FSW1	Netherlands	53.2135N	7.1195E	1	From 2010-04-29
Finsterwolde 2	FSW2	Netherlands	53.2135N	7.1195E	-74	From 2010-04-29
Finsterwolde 3	FSW3	Netherlands	53.2135N	7.1195E	-149	From 2010-04-29
Finsterwolde 4	FSW4	Netherlands	53.2135N	7.1195E	-224	From 2010-04-29
Finsterwolde 5	FSW5	Netherlands	53.2135N	7.1195E	-299	From 2010-04-29
Fintinele	FTB	Romania	46.6892N	23.0544E	1100	From 1979-01-01
Fiordimonte	FDMO	Italy	43.0365N	13.0873E	550	From 2008-03-27
Firariana	FRR	Madagascar	18.7169S	47.6000E	1555	From 1973-06-01 to 1978-11-16
Fira-Santorini	THR7	Greece	36.4224N	25.4284E	315	From 2010-03-06
Firdgum	FDG3	Netherlands	53.2562N	5.5481E	-89	From 2009-10-13
Firdgum	FDG4	Netherlands	53.2562N	5.5481E	-119	From 2009-10-13
Firdgum	FDG1	Netherlands	53.2562N	5.5481E	-29	From 2009-10-13
Firdgum	FDG2	Netherlands	53.2562N	5.5481E	-59	From 2009-10-13
Fire Island	FIB	Alaska,U.S.A.	61.1662N	150.1753W	62	From 1996-01-01
Fire Island	FIS	Alaska,U.S.A.	61.1442N	150.2190W	76	From 1974-09-24 to 1976-05-04
Firenze	FIR	Italy	43.7739N	11.2550E	46	
Firoozkooh	IFIR	Iran	35.6415N	52.7536E	2380	From 1996-01-01
First Sedna Site,Hudson Bay	SEDN	Nunavut,Canada	63.2502N	91.2081W	121	From 2006-08-24
Fish Creek	FSHM	Victoria,Australia	38.7565S	145.9996E	420	
Fish Creek Ranch, Battle Mountain	O09A	Nevada,U.S.A.	40.1697N	117.1899W	1491	From 2006-04-22 to 2008-03-08
Fish Haven	L16A	Idaho,U.S.A.	42.0149N	111.4319W	2013	From 2007-07-13 to 2009-05-06
Fishrie	MFI	Scotland,United Kingdom	57.6116N	2.2953W	220	From 1988-01-01
Fish Springs	FSU	Utah,U.S.A.	39.7225N	113.3910W	1487	From 1979-06-01
Fitzpatrick Place, Clyde Park	F17A	Montana,U.S.A.	45.9054N	110.6590W	1545	From 2007-10-21 to 2009-09-09
Fitzroy Crossing	FITX	Western Australia,Australia	18.1092S	125.6428E	110	From 1995-03-19 to 1996-09-11
Fitzroy Crossing	FITZ	Western Australia,Australia	18.1020S	125.6390E	110	From 1994-09-01
Fitzroy Falls	FTZM	New South Wales,Australia	34.6421S	150.4838E	711	
Fitzroy Harbor	FHO	Ontario,Canada	45.4550N	76.2170W	72	From 1979-04-01 to 1982-01-11
Fiumefreddo	EFIU	Sicily,Italy	37.7896N	15.2103E	97	From 2009-05-26
Fivizzano	FIVI	Italy	44.2393N	10.1273E	380	From 2006-01-01
Flaach	FLACH	Switzerland	47.5720N	8.5676E	370	From 2003-08-29
Flagg Ranch	FLWY	Wyoming,U.S.A.	44.0827N	110.6993W	2078	
Flag Point	VFP	Oregon,U.S.A.	45.3181N	121.4650W	1716	From 1980-10-01
Flagstaff	FS-AZ	Arizona,U.S.A.	35.0692N	111.3094W	1890	From 1961-10-14 to 1966-03-12
Flagstaff	FLAG	Arizona,U.S.A.	35.1667N	111.6430W	2115	From 1977-05-01
Flagstaff	W16A	Arizona,U.S.A.	35.0951N	111.5318W	2192	From 2007-04-27 to 2008-11-21
Flagstaff	FLG	Arizona,U.S.A.	35.2932N	111.7020W	2445	From 1966-11-01 to 1972-09-30
Flagstaff	FS-	Arizona,U.S.A.	35.0692N	111.3094W	1890	From 1961-10-14 to 1966-03-12
Flaming Gorge	FGU	Utah,U.S.A.	40.9264N	109.3860W	1982	From 1960-01-01 to 1976-06-30
Flanigan	O06A	Nevada,U.S.A.	40.1650N	119.8275W	1228	From 2006-02-24 to 2008-03-05
Flash Two Peak	FLSC	California,U.S.A.	34.9704N	117.0391W	990	From 1979-06-01
Flat	FLA	Utah,U.S.A.	39.4700N	110.4380W	1670	From 1962-01-01 to 1977-03-31
Flatey	IFLA	Iceland	66.1610N	17.8480W	13	From 2000-11-09
Flat Gap	FGTN	Tennessee,U.S.A.	36.4340N	83.1950W	500	From 1991-12-19 to 2008-02-13
Flathead National Forest, Polebridge	A13A	Montana,U.S.A.	48.9330N	114.4135W	1199	From 2006-09-28 to 2009-08-06
Flat River	FRM	Missouri,U.S.A.	37.8358N	90.4864W	161	From 1969-01-01 to 1972-12-31
Flat Rock	FRNY	New York,U.S.A.	44.8350N	73.5883W	223	
Flat Top 2	FL2	Washington,U.S.A.	46.1964N	122.3500W	1378	
Flavio Alfaro	FLFR	Ecuador	0.3574S	79.8427W	399	From 2008-12-10
Fleetwood	FLT	Alabama,U.S.A.	33.2580N	87.4095W	128	From 1971-01-09
Flemingsburg	SLKY	Kentucky,U.S.A.	38.4260N	83.7510W	280	From 1989-02-15
Flemingsburg	FLKY	Kentucky,U.S.A.	38.4260N	83.7510W	280	From 1989-02-15
Fletcher	FLE	Vermont,U.S.A.	44.7227N	72.9517W		
Fletcher	FLET	Vermont,U.S.A.	44.7227N	72.9517W	366	From 1977-08-08
Fletcher Lake Big Creek, BC	FLLB	British Columbia,Canada	51.7390N	123.1059W	1189	From 2006-08-24 to 2008-06-10
Flin Flon	FFC	Saskatchewan,Canada	54.7250N	101.9780W	338	From 1965-02-22
Flin Flon Array Beam Reference Point	FLAR	Saskatchewan,Canada	54.7188N	101.9950W	229	
Flin Flon Array Site 1	FL01	Saskatchewan,Canada	54.7257N	101.9921W		
Flin Flon Array Site 10	FL10	Saskatchewan,Canada	54.7398N	101.9559W		
Flin Flon Array Site 11	FL11	Saskatchewan,Canada	54.7171N	101.9410W		
Flin Flon Array Site 12	FL12	Saskatchewan,Canada	54.6984N	101.9454W		
Flin Flon Array Site 13	FL13	Saskatchewan,Canada	54.6875N	101.9855W		
Flin Flon Array Site 14	FL14	Saskatchewan,Canada	54.6925N	102.0241W		
Flin Flon Array Site 15	FL15	Saskatchewan,Canada	54.7126N	102.0421W		
Flin Flon Array Site 16	FL16	Saskatchewan,Canada	54.7361N	102.0558W		
Flin Flon Array Site 17	FL17	Saskatchewan,Canada	54.7481N	102.0301W		
Flin Flon Array Site 18	FL18	Saskatchewan,Canada	54.7599N	101.9958W		
Flin Flon Array Site 2	FL02	Saskatchewan,Canada	54.7252N	101.9677W		
Flin Flon Array Site 3	FL03	Saskatchewan,Canada	54.7120N	101.9634W		
Flin Flon Array Site 31	FL31	Saskatchewan,Canada	54.7189N	101.9950W	229	
Flin Flon Array Site 4	FL04	Saskatchewan,Canada	54.7119N	101.9811W		
Flin Flon Array Site 5	FL05	Saskatchewan,Canada	54.7087N	102.0021W		
Flin Flon Array Site 6	FL06	Saskatchewan,Canada	54.7182N	102.0096W		
Flin Flon Array Site 7	FL07	Saskatchewan,Canada	54.7266N	102.0168W		
Flin Flon Array Site 8	FL08	Saskatchewan,Canada	54.7348N	101.9902W		
Flin Flon Array Site 9	FL09	Saskatchewan,Canada	54.7544N	101.9668W		
Flint Hills	HFHM	California,U.S.A.	36.8882N	121.4690W	101	From 1975-12-10
Flippin	FLPT	Tennessee,U.S.A.	36.4094N	89.3206W	131	
Florencia	FLOC	Colombia	1.5137N	75.6326W	364	From 1994-01-01
Flores Is	FLOR	Azores,Portugal	39.4347N	31.1921W	605	From 1991-09-09
FLORES T-PHASE SITE N1	H07N1	Azores	39.6912N	31.1196W	479	From 2005-05-04
FLORES T-PHASE SITE S1	H07S1	Azores	39.3786N	31.2061W	478	From 2004-11-30
Florida	FLOM	Guerrero,Mexico	17.2255N	100.3887W	840	
Florina	FNA	Greece	40.7838N	21.3762E	750	From 1989-12-01
Florissant	FLO	Missouri,U.S.A.	38.8017N	90.3700W	160	From 1928-01-01 to 1971-08-31
Floro	FOO	Norway	61.5980N	5.0440E	10	From 1999-06-08
Flostrand	STOK2	Norway	66.3400N	13.3600E	20	From 2005-07-01
Flostrand	FLOS	Norway	66.3365N	13.3647E	20	From 2005-05-01
Flower Mountain	FMTX	Texas,U.S.A.	31.7720N	94.8050W	220	
Flueckinger Farm, Gordon	K27A	Nebraska,U.S.A.	42.7036N	102.2364W	1131	From 2008-11-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Flymyra	FLYU	Sweden	60.1282N	17.8846E	100	From 2002-01-13
Focsani	FOC	Romania	45.6950N	27.1833E	61	From 1942-07-12
Fodele	FODE	Crete,Greece	35.3797N	24.9576E	50	
Foel Wylfa	FOEL	Wales,United Kingdom	52.8898N	3.2012W	449	From 2008-10-30
Fofonovo	FFNB	Buryatiya,Russia	52.0470N	106.7640E	564	From 1999-08-01
Foggia	FGG	Italy	41.4500N	15.5514E		From 1977-11-01
Foggia	FOG	Italy	41.4500N	15.5514E		From 1977-11-01
Foggia	FG1	Italy	41.4500N	15.5514E		From 1977-11-01
Fogo--Pe de Pico	FPPC	Cape Verde Islands	14.9603N	24.3658W	1680	
Foia	PFFO	Portugal	37.3163N	8.5860W	799	From 1996-01-01 to 2009-05-30
Foligno	FOL	Italy	42.9567N	12.7067E		
Folkestone	TFO1	England,United Kingdom	51.1135N	1.1409E	202	From 1989-01-01
Fond-Bernard	FNG	Guadeloupe	16.0603N	61.6867W	825	
Fontana	FON	California,U.S.A.	34.0996N	117.4387W	449	
Fontana Vidola	FNVD	Italy	44.1678N	11.1229E	950	From 2003-10-22
Fontenelle, Green River	L18A	Wyoming,U.S.A.	41.9243N	110.0364W	2051	From 2007-11-03
Fontinhas	FOT	Azores,Portugal	38.7411N	27.3361W		
Fontmartina	CFON	Spain	41.7623N	2.4356E	972	
Fontmartina	FONT	Spain	41.7622N	2.4338E	963	
Font Roja	AFON	Spain	38.6649N	0.5412W	1120	From 2008-12-23
Fool Peak	FLU	Utah,U.S.A.	39.3782N	112.1710W	1950	
Forcella Aurine	FAU	Italy	46.2300N	11.9800E	1430	
Fordham	FOR	New York,U.S.A.	40.8631N	73.8856W	24	From 1910-01-01
Ford Ranch	FRD	California,U.S.A.	33.4947N	116.6022W	1164	
Ford Ridge	FDU	Utah,U.S.A.	39.7568N	110.9900W	2975	From 1978-03-01 to 2004-03-05
Forest Bistro	DFBT	Dominica	15.2401N	61.3559W	83	
Forest Hill	FWV	West Virginia,U.S.A.	37.5817N	80.8117W	756	
Forest Hills Divide	AFDM	California,U.S.A.	38.9480N	120.9720W	549	From 1983-05-16
Forest Hill Site	AFHM	California,U.S.A.	39.0418N	120.7910W	1064	From 1976-07-20
Forest Lakes	X17A	Arizona,U.S.A.	34.3371N	110.8058W	2280	From 2007-04-13 to 2009-02-20
Forgia Vecchia	VL6*	Sicily,Italy	38.4089N	14.9611E		From 1966-04-01 to 1966-05-01
Forni Avoltri	FOA	Italy	46.5867N	12.7750E	880	From 1982-06-06 to 1988-01-01
Forni Avoltri	FVI	Italy	46.5966N	12.7804E	1024	
Forrest	FORR	Western Australia,Australia	30.8500S	128.1000E		From 1988-01-01 to 1992-05-17
Forrest	FRTM	Victoria,Australia	38.5337S	143.7160E	230	
Forrest	FORT	Western Australia,Australia	30.7790S	128.0590E	165	From 1992-05-19
Forrest Kerr	FKBC	British Columbia,Canada	56.7847N	130.6180W	1175	From 1989-10-10
Forsmark	FORU	Sweden	60.3870N	18.1801E	10	From 2005-05-12
Forsnaval	RFO	Scotland,United Kingdom	58.2133N	7.0052W	197	From 1995-09-10
Forsyth	FR-	Montana,U.S.A.	46.1000N	106.4403W	823	From 1963-07-07 to 1964-08-05
Forsyth	FR-MA	Montana,U.S.A.	46.1000N	106.4403W	823	From 1963-07-07 to 1964-08-05
Forsythe	AN2*	California,U.S.A.	36.7875N	121.4470W	41	From 1967-09-25 to 1971-04-27
Fort Charlotte	FCV	St Vincent,Saint Vincent and the Grenadines	13.1570N	61.2450W	194	
Fort Churchill	FCC	Manitoba,Canada	58.7617N	94.0867W	39	
Fort de France	FDF	Martinique	14.7333N	61.1503W	510	
Fort de Pagny la Blanche Cˆte (52)	PAGF	France,France	48.5551N	5.7251E	384	From 2008-11-05
Fort Gibson	GBO	Oklahoma,U.S.A.	35.8526N	95.1843W	302	From 1979-07-19 to 1984-12-30
FORTIN DE LA CUMBRE	FDCV	Venezuela	10.5407N	66.9537W	1472	From 2003-09-08
Fort Lent	NE42	Netherlands	51.8630N	5.8510E		
Fort MacArthur	FMA	California,U.S.A.	33.7125N	118.2850W	15	
Fort Macarthur Park	FMP	California,U.S.A.	33.7126N	118.2938W	89	From 2004-04-01
Fort Manro	FTMN	Punjab	29.9000N	70.0000E	1909	From 2010-10-15
Fort McLeod	FT-BC	British Columbia,Canada	54.9136N	122.8822W	914	From 1962-11-16 to 1962-12-09
Fort McLeod	FT-	British Columbia,Canada	54.9136N	122.8822W	914	From 1962-11-16 to 1962-12-09
Fort Nelson	FL-BC	British Columbia,Canada	58.8606N	122.8364W	655	From 1965-10-22 to 1965-11-15
Fort Nelson	FL-	British Columbia,Canada	58.8606N	122.8364W	655	From 1965-10-22 to 1965-11-15
Fort Nelson	FNBB	British Columbia,Canada	58.8904N	123.0097W	618	
Fort Nelson	FNBC	British Columbia,Canada	58.8418N	122.5737W	380	From 1998-02-09 to 2006-03-28
Fort Paine	FPAL	Alabama,U.S.A.	34.5403N	85.6113W	556	
Fort Rock	J05A	Oregon,U.S.A.	43.2843N	121.2357W	1540	From 2006-07-17 to 2007-11-02
Fort Rock, OR	J05D	Oregon	43.2848N	121.2347W	1541	From 2009-10-16
Fort Ross	FTR	California,U.S.A.	38.5227N	123.1610W	528	From 1975-01-22
Fort Saint James	FSB	British Columbia,Canada	54.4767N	124.3280W	747	
Fort Saint James	FSJ	British Columbia,Canada	54.4633N	124.2800W	772	From 1965-05-12 to 1979-04-17
Fort Shafter	SFTX	Texas,U.S.A.	29.9255N	104.3696W	1384	
Fort Sherman	FH-	Panama	9.3631N	79.9583W	15	From 1966-11-14 to 1966-12-20
Fort Sherman	FH-PM	Panama	9.3631N	79.9583W	15	From 1966-11-14 to 1966-12-20
Fort Simpson	FST	Northwest Territories,Canada	61.8400N	121.2750W	175	From 1986-01-09
Fort Simpson	FST1	Northwest Territories,Canada	61.7858N	121.2590W	175	From 1985-10-06 to 1986-01-09
Fort Smith	FSMA	Alberta,Canada	59.9862N	111.8218W	187	From 2010-09-12
Fort Stockton	FO-TX	Texas,U.S.A.	30.9017N	102.6978W	880	From 1964-06-21 to 1965-04-12
Fort Stockton	FO-	Texas,U.S.A.	30.9017N	102.6978W	880	From 1964-06-21 to 1965-04-12
Fort Tejon	FTC	California,U.S.A.	34.8708N	118.8918W	942	From 1952-11-21
Fortuna	FTA	Panama	8.6815N	82.2647W	629	
Fortuna	FORC	Costa Rica	10.4665N	84.6698W	286	
Fortuna Mine	FTM	Arizona,U.S.A.	32.5548N	114.3340W	263	From 1975-07-01 to 2009-04-08
Fort Yukon	FYU	Alaska,U.S.A.	66.5660N	145.2320W	137	From 1972-02-09
Fort Yukon	FY1	Alaska,U.S.A.	67.2667N	148.9700W	939	From 1975-09-01
Fort Yukon	FY2	Alaska,U.S.A.	67.1245N	147.0970W	671	From 1975-09-01
Fort Yukon	FY3	Alaska,U.S.A.	68.1472N	145.7000W	1439	From 1975-09-01 to 1978-08-14
Fort Yukon	FY4	Alaska,U.S.A.	67.4533N	146.2100W	792	From 1975-09-01 to 1978-08-14
Fort Yukon	FY5	Alaska,U.S.A.	67.1400N	143.2500W	558	From 1975-09-01
Fosdinovo	FS1	Italy	44.1267N	10.0250E		
Fosdinovo	FSI	Italy	44.1261N	10.0253E	0	From 1977-01-01 to 1979-12-31
Fossombrone	FSSB	Italy	43.6922N	12.7775E	498	
Fouillouse	FOUF	Provence-Cote d'Azur,France	44.5292N	6.7819E		From 1983-01-01
Foulwind	FLW	South Island,New Zealand	41.7522S	171.5000E	20	From 1968-05-24 to 1968-07-02
Foumbot	FBT	Cameroon	5.4690N	10.5710E	1040	From 1987-02-17
Fountain Green	P16A	Utah,U.S.A.	39.6092N	111.6595W	1822	From 2007-05-28 to 2009-04-11
Fountain Ranch, Boone	R25A	Colorado,U.S.A.	38.1474N	104.2834W	1461	From 2008-06-04
Fourare	FOE	Morocco	31.9880N	9.2610W		
Four Mile Canyon	FMC	Oregon,U.S.A.	45.6244N	120.0280W	305	From 1975-11-01
Fournols	FRNF	Limousin,France	45.3867N	2.5627E	670	
Fourpeaked Station 1	FOSS	Alaska,U.S.A.	58.7994N	153.6950W	546	
Fourpeaked Station 2	FONW	Alaska,U.S.A.	58.8348N	153.9184W	905	
Fourpeaked Volcano	FOPK	Alaska,U.S.A.	58.7580N	153.4739W	546	
Four Points	FPST	Tennessee,U.S.A.	35.9780N	89.4547W	106	
Four Seasons	FS03	Queensland,Australia	25.1068S	151.8667E	180	From 2001-02-16
Fox Airport	FOXC	California,U.S.A.	34.7443N	118.2326W	683	From 1981-03-01
Fox Creek	FXWY	Wyoming,U.S.A.	43.6381N	111.0268W	2254	
Fox Creek	FOX	California,U.S.A.	40.5212N	123.9920W	113	From 1974-06-19
Fox Glacier	FOZ	South Island,New Zealand	43.5649S	169.6885E	0	
Foz do Areia	FDA4	Parana,Brazil	26.1670S	51.7700W	0	
Foz do Areia	FDA	Parana,Brazil	25.9869S	51.5153W		From 1979-01-01
Foz do Areia	FDA5	Parana,Brazil	26.1498S	51.4552W	1000	From 1981-01-01
Francis Marion National Forest	FMF	South Carolina,U.S.A.	32.9540N	79.8410W		From 1973-02-28 to 1973-10-02
Francis Peak	FPU	Utah,U.S.A.	41.0264N	111.8370W	2816	From 1974-09-01
Franconia Notch	FNN	New Hampshire,U.S.A.	44.1600N	71.6817W	1060	From 1967-01-01 to 1975-12-31
Frank Field Bay, Greenland	FFBG	Greenland	82.1294N	56.0364W	30	From 2004-07-27
Franklin	FKO	Oklahoma,U.S.A.	35.2613N	97.3861W	351	From 1987-01-01
Franklin	FN-WV	West Virginia,U.S.A.	38.5494N	79.5131W	910	From 1964-05-04 to 1965-11-12
Franklin	FN-	West Virginia,U.S.A.	38.5494N	79.5131W	910	From 1964-05-04 to 1965-11-12
Franklin	FNO	Oklahoma,U.S.A.	35.2571N	97.4006W	357	From 1992-04-28
Franklin Camp	FCBC	British Columbia,Canada	48.9742N	124.7358W	255	From 2006-12-19 to 2007-02-15
Franklin College	FMPA	Pennsylvania,U.S.A.	40.0478N	76.3208W	121	
Franklin Falls Dam	FFD	New Hampshire,U.S.A.	43.4701N	71.6533W	131	
Frank Sound, Grand Cayman	FSCY	Cayman Islands	19.3129N	81.1835W	1	From 2011-01-01
Franktown	FK-	Colorado,U.S.A.	39.5867N	104.4617W	1803	From 1966-11-17 to 1967-06-26
Franktown	FK-CO	Colorado,U.S.A.	39.5867N	104.4617W	1803	From 1966-11-17 to 1967-06-26
Fraticciola Selvatica (Perugia) - PG	AT08	Italy	43.1834N	12.5482E	608	From 2010-04-01
Frazione Salia	C004	Italy	43.4481N	12.5161E	814	From 2011-02-09
Frdhf. Weidikon, ZR	EWZT1	Switzerland	47.3728N	8.5087E	410	From 2009-08-25
Frederick Butte	VFBM	Oregon,U.S.A.	43.6585N	120.2370W	1369	
Fred Haigh	FRED	Queensland,Australia	24.8985S	151.8970E	120	
Freedom	FDKY	Kentucky,U.S.A.	36.7900N	85.7942W	306	From 1987-03-27
Freed Ranch, Watford	C25A	North Dakota,U.S.A.	47.7124N	103.2558W	700	From 2009-07-25
Fregona, Italy	MFRE	Italy	46.0151N	12.3552E	545	From 2010-06-22
Freiberg	FBE	Sachsen,Germany	50.9212N	13.3541E	44	From 2004-10-01
Freiburg im Breisgau	FBB	Baden-Wurttemberg,Germany	48.0016N	7.8532E	258	From 1994-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Fremont Peak	HFPM	California,U.S.A.	36.7537N	121.4900W	705	From 1970-09-02
Fremont Peak	FRP	California,U.S.A.	36.7537N	121.4900W	705	From 1970-09-02
Frenchman Hills East	FHE	Washington,U.S.A.	46.9519N	119.4969W	455	
French Village	FVM	Missouri,U.S.A.	37.9840N	90.4260W	310	From 1972-09-01
Frenkendorf	SFRA	Switzerland	47.5036N	7.7091E	350	From 2007-12-31
Fresagrandinaria	FRES	Italy	41.9735N	14.6693E	414	From 2004-09-14
Fresno	FRE	California,U.S.A.	36.7683N	119.7970W	88	From 1935-11-28 to 1971-03-02
FREYUNG INFRASONIC ARRAY REFERENCE POINT	I26DE	Bayern	48.8516N	13.7131E	1111	From 2000-05-16
Friant	FRI	California,U.S.A.	36.9917N	119.7080W	119	From 1971-01-01
Frijoles Canyon	FCN	New Mexico,U.S.A.	35.7719N	106.2500W	1945	From 1973-05-07 to 1973-07-31
Frink	FRK	California,U.S.A.	33.4021N	115.6384W	60	
Frissel Point	FRIS	Oregon,U.S.A.	44.2122N	122.1005W	1642	
Frobisher Bay	FRB	Northwest Territories,Canada	63.7467N	68.5467W	18	From 1972-11-30
Frobisher Bay	FBC	Northwest Territories,Canada	63.7333N	68.4667W	45	
Frobisher Bay	FBN	Northwest Territories,Canada	63.7467N	68.5467W	18	From 1972-09-14
Froelich Ranch	FROB	California,U.S.A.	35.9109N	120.4869W	231	
Frontone	FRON	Italy	43.5178N	12.7257E	515	From 2010-04-19
Front Royal	FTV	Virginia,U.S.A.	38.8661N	78.1689W	341	
Frosini	FROS	Italy	43.2097N	11.1562E	431	From 2010-05-17
Froya	FRO	Norway	61.7570N	4.8820E	20	
Fruitdale	H25A	South Dakota,U.S.A.	44.6215N	103.5981W	942	From 2009-06-19
Fruska Gora	FRGS	Serbia	45.1577N	19.8102E	500	From 2005-12-15
Fruska Gora	FGSL	Serbia	45.1571N	19.8104E	500	From 2006-01-01
Fry Pan Ranch, Harper	J09A	Oregon,U.S.A.	43.3471N	117.7542W	1303	From 2006-08-07 to 2008-07-11
Fube	FUB	Shimane,Japan	35.2838N	133.1560E	190	From 1968-12-15 to 1975-05-01
Fuego	FGO	Guatemala	14.4457N	90.8405W	1410	From 1973-02-01
Fuego 2	FGO2	Guatemala	14.4387N	90.8358W	1335	From 1986-07-01
Fuego 3	FUG	Guatemala	14.4478N	90.8420W	1505	From 1987-03-01
Fuente Hervidero	AFUE	Spain	37.1133N	3.5068W	1586	
Fuerteventura	CFTV	Canary Islands,Spain	28.4138N	14.0833W	540	From 1985-12-01
Fuerteventura	CFUE	Canary Islands,Spain	28.6468N	13.9359W	180	From 2004-11-17
Fuhringer Ranch, Dutton	C16A	Montana,U.S.A.	47.8012N	111.7458W	1240	From 2007-09-02 to 2009-08-12
Fuji-kawa	FUJ	Yamanashi,Japan	35.2312N	138.4715E	140	
Fujikirizawa	K11	Iwate,Japan	39.4783N	141.5325E	527	
Fukue	FKJ	Nagasaki,Japan	32.6933N	128.8267E	26	
Fukue jima 2	JFU	Nagasaki,Japan	32.6555N	128.7495E	120	
Fukui	FKJD	Fukui,Japan	36.0941N	136.1233E	90	
Fukui	FUK	Fukui,Japan	36.0533N	136.2270E	10	
Fukuoka	FKK	Fukuoka,Japan	33.5800N	130.3800E	3	
Fukushima	FKS	Fukushima,Japan	37.7567N	140.4750E	69	
Fulgham	FMKY	Kentucky,U.S.A.	36.6640N	88.9090W	152	From 1986-10-30
Fuller Ranch	FRTX	Texas,U.S.A.	32.9388N	100.8480W	689	From 1979-01-01 to 2003-01-28
Fullerton	FULC	California,U.S.A.	33.8717N	117.9225W	51	
Fullerton Airport	FLAS	California,U.S.A.	33.8713N	117.9750W	-400	From 1986-09-12
Funafuti	FUNA	Tuvalu (Ellice Islands)	8.5259S	179.1966E	-1	
Funaoka	FOTD	Tottori,Japan	35.3305N	134.2672E	200	
Funatsu	FUN	Yamanashi,Japan	35.4983N	138.7630E	860	
Funchal	FUL	Madeira Islands,Portugal	32.6476N	16.8922W	58	From 1973-12-07
Funeral Mountains	FMT	California,U.S.A.	36.6375N	116.7826W	1079	From 1978-11-28
Funks Creek	GFC	California,U.S.A.	39.3266N	122.2889W	64	
FUNVISIS	FUNV	Venezuela	10.4690N	66.8100W	918	From 2000-08-09
Fuquene	FUQ	Colombia	5.4700N	73.7381W	2580	From 1957-12-01
Furan	JFR	Kamikawa,Japan	43.1635N	142.5935E	360	
Furi	FURI	Ethiopia	8.8967N	38.6783E	2560	
Furnace Creek,Death Valley	FURC	California,U.S.A.	36.4700N	116.8600W	-37	From 2004-04-01
Furnas	FRA	Azores,Portugal	37.7593N	25.3533W	557	From 1981-01-01
Furnas	FRA1	Azores,Portugal	37.7430N	25.3568W	555	From 2004-03-01
Furstenfeldbruck	FUR	Bayern,Germany	48.1655N	11.2763E	565	From 1959-01-01
Furth	WBA	Hessen,Germany	49.6544N	8.8183E	483	From 2001-10-25
Furtwangen	FWS	Baden-Wurttemberg,Germany	48.0530N	8.1976E	925	From 1969-03-01
Furusato	FURD	Kagoshima,Japan	31.5608N	130.6614E	360	
Fuscaldo	FSC	Italy	39.4189N	16.0425E	54	
Fusea	FUSE	Italy	46.4142N	13.0011E	520	From 2007-12-13
Fushiki	HKI	Toyama,Japan	36.7833N	137.0500E		
Fush Village	ETL	Taiwan region	24.1590N	121.6230E	415	From 1998-08-07
Fusio	FUSIO	Switzerland	46.4549N	8.6632E	1480	From 1999-08-16
Futaleufu@15	FUTA	Chile	43.1886S	71.8525W	354	
Futatsui	FUT	Akita,Japan	40.1467N	140.2167E	140	From 1967-12-29
Fytoko, Volos	FYTO	Greece	39.4086N	22.9396E	192	From 2008-07-01
Gabala	QBL	Azerbaijan	40.9460N	47.8370E	670	From 2011-04-22
Gabbs	GAB	Nevada,U.S.A.	38.9752N	117.9130W		
Gabbs	Q08A	Nevada,U.S.A.	38.8606N	117.9316W	1411	From 2006-03-02 to 2008-03-14
Gabel Atot	ATOT	Egypt	28.1698N	33.8603E		
Gable Butte	GBB	Washington,U.S.A.	46.6082N	119.6270W	177	
Gable Mountain	GBL	Washington,U.S.A.	46.5983N	119.4600W	330	From 1969-03-01
Gabriel Gonzalez Videla	GGV	Antarctic Peninsula	64.8199S	62.8633W		
Gafsa	GAF	Tunisia	34.4167N	8.8000E	314	From 1976-01-01
Gafsa	GFA	Tunisia	34.3382N	9.7265E	250	
Gagliano Castelferrato	GALF	Italy	37.7107N	14.5665E	740	From 2006-10-27
Gaibana	GBAN	Nepal	28.6800N	81.6140E	2120	
Gainesville	GAI	Florida,U.S.A.	29.6458N	82.3394W	50	
Gala	GALA	Azerbaijan	40.4100N	50.1550E	22	From 2003-08-01
Gala Law	EGL	Scotland,United Kingdom	55.8617N	2.7383W	245	From 1969-01-01 to 1981-11-27
Gala Law	EGL1	Scotland,United Kingdom	55.8611N	2.7425W	245	
Galapagos Islands	GIE	Galapagos,Ecuador	0.7333S	90.3000W	30	From 1960-01-01
Galatos Road	GRRZ	North Island,New Zealand	38.3497S	176.1099E	580	From 2009-11-12
Galela, Maluku	GAMI	Moluccas,Indonesia	1.8381N	127.7879E	130	From 2008-12-01
Galena City School	GCSA	Alaska,U.S.A.	64.7461N	156.8792W	46	
Galera	GALE	Ecuador	0.8213N	80.0133W	25	From 1991-11-03 to 1992-04-28
Galerazamba	GAL	Colombia	10.7856N	75.2622W	21	From 1949-04-01
Galeton	GT-PA	Pennsylvania,U.S.A.	41.6317N	77.8111W	610	From 1962-05-31 to 1962-06-28
Galeton	GT-	Pennsylvania,U.S.A.	41.6317N	77.8111W	610	From 1962-05-31 to 1962-06-28
Galiano Island	GOBB	British Columbia,Canada	48.9493N	123.5105W	161	
Galiano Island	GOB	British Columbia,Canada	49.0122N	123.5830W	10	
Galich'ya Gora	LPSR	Voronezhskaya Oblast'	52.6012N	38.9282E	136	From 2007-08-05
Galileo	GALC	California,U.S.A.	35.2137N	117.7547W	980	
Galion	GZ-OH	Ohio,U.S.A.	40.6600N	82.7833W	372	
Gallatin	GLT	Tennessee,U.S.A.	36.3620N	86.4980W	159	From 1981-11-10
Galloway	GAL1	Scotland,United Kingdom	54.8664N	4.7114W	117	From 1989-01-01
Galoa	NGA	Fiji	18.1919S	177.9979E	396	From 1979-10-01
Galvasay	GAY	Uzbekistan	41.5333N	69.9000E		
Gambarie	GMB	Italy	38.1681N	15.8289E	1300	
Gambatesa	GATE	Italy	41.5131N	14.9102E	487	From 2009-11-03
Gambell	GAMB	Alaska,U.S.A.	63.7767N	171.7008W	10	
Gameti Lake	GALN	Yukon Territory,Canada	64.1167N	117.3143W	340	
Ganado	V18A	Arizona,U.S.A.	35.7113N	109.9327W	1977	From 2007-05-11 to 2009-02-07
Ganagobie	GANF	Provence-Cote d'Azur,France	43.9976N	5.9087E	650	
Ganaly	GNL	Kamchatskaya Oblast',Russia	53.6950N	157.9419E	1200	
Gandia	EXGA	Spain	38.9660N	0.1780W	40	From 2003-09-24
Ganghwa	KSGAH	South Korea	37.7076N	126.4465E	62	From 2009-01-01
Gangneung	KSKAN	South Korea	37.7425N	128.8893E	25	From 2001-12-15
Gangseo	KSGSG	South Korea	37.5485N	126.8446E	67	From 2007-12-12
Gangtok	GTK	Sikkim,India	27.3333N	88.6167E	1765	
Ganja	KRV	Azerbaijan	40.6280N	46.3100E	532	From 1950-01-01
Ganja	GANJ	Azerbaijan	40.6460N	46.3220E	574	From 2003-01-01
Ganjari	GJRN	Nepal	29.4800N	80.7400E	2934	
Ganki	GNK	Aomori,Japan	40.7322N	140.3366E	100	
Ganzirri	GZI	Sicily,Italy	38.2647N	15.6086E		
Gaotai	GTA	Gansu,China	39.4106N	99.8144E	1341	
Garchy	GRC	Bourgogne,France	47.2956N	3.0736E	191	From 1957-11-22
Gardenia Lake, NWT	GDLN	Northwest Territories,Canada	62.0199N	105.9943W	385	From 2008-07-16
Gardner Draw, Artesia	125A	New Mexico,U.S.A.	32.6588N	104.6573W	1212	From 2008-03-13 to 2010-02-18
Gardner Farm	GRD	Utah,U.S.A.	40.5983N	111.9258W	1323	
Gardner Place, Afton	K17A	Wyoming,U.S.A.	42.7507N	110.9201W	1922	From 2007-11-03 to 2009-05-16
Gareloi East	GAEA	Alaska,U.S.A.	51.7830N	178.7468W	326	
Gareloi-Kavalga I.	GAKI	Alaska,U.S.A.	51.5544N	178.8121W	99	
Gareloi Lava Pt.	GALAA	Alaska,U.S.A.	51.7618N	178.7715W	315	
Gareloi North	GANO	Alaska,U.S.A.	51.8203N	178.8038W	451	
Gareloi Northeast	GANE	Alaska,U.S.A.	51.8189N	178.7767W	322	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Gareloi Southwest	GASW	Alaska,U.S.A.	51.7789N	178.8546W	248	
Gariep Dam	HVD	South Africa,South Africa	30.6050S	25.4967E	1433	
Garland	GL-	Texas,U.S.A.	32.9722N	96.6350W	168	
Garland	GL-TX	Texas,U.S.A.	32.9722N	96.6350W	168	
Garm	GAM	Tajikistan	39.0000N	70.3167E	1300	
Garm	GAR	Tajikistan	39.0000N	70.3167E	1300	
Garmisch-Partenkirchen	PART	Bayern,Germany	47.4970N	11.1130E	760	From 2003-01-01
Garmisch-Partenkirchen	GAP	Bayern,Germany	47.4767N	11.0644E	725	From 1973-06-01 to 2004-08-13
Garmisch-Partenkirchen	GAPA	Bayern,Germany	47.4970N	11.1170E	760	From 1991-01-01
Garner Mountain	LGMM	California,U.S.A.	41.5997N	121.8350W	1560	From 1988-10-23
Garner Valley	GVDA	California,U.S.A.	33.6689N	116.6738W	1341	
Garnes Mountain	GMI	Idaho,U.S.A.	43.7065N	111.3430W	2630	From 1974-06-01 to 1980-07-24
Garni	GNI	Armenia	40.1495N	44.7414E	1583	From 1992-01-01
Garraf	CGAR	Spain	41.2944N	1.1339E	584	
Garret Mountain	GMTN	New Jersey,U.S.A.	40.8825N	74.1845W	165	From 1978-04-25
Garrett	L23A	Wyoming,U.S.A.	42.1143N	105.7012W	2153	From 2008-07-17
Garrison	GARN	New York,U.S.A.	41.3603N	73.9240W	207	
Garrison Hill	GHW	Washington,U.S.A.	47.0417N	122.2720W	268	From 1975-09-24
Garrygala	GARG	Turkmenistan	38.4390N	56.2730E	315	
Garurganga	GARI	Uttar Pradesh,India	30.4525N	79.4445E	1500	From 1986-07-26
Garvey Reservoir	GVRC	California,U.S.A.	34.0497N	118.1199W	141	From 1987-10-08
Gary	239A	Texas,U.S.A.	32.0179N	94.4707W	100	From 2010-02-21
Gasbuggy	GB-NM	New Mexico,U.S.A.	36.6869N	107.2261W	2164	
Gaspe, Quebec	GASG	Quebec,Canada	48.9463N	66.1161W	261	From 2005-10-25
Gateway	GACO	Colorado,U.S.A.	38.6844N	108.9737W	1414	
Gauribidanur Array	GBA	Karnataka,India	13.6042N	77.4361E	686	From 1965-01-01
Gaurikund	GKD	Himachal Pradesh,India	30.6213N	79.0029E	1760	From 2007-05-01
Gavdhos	GAVD	Crete,Greece	34.8432N	24.0862E	175	
Gavdhos	GVD	Crete,Greece	34.8391N	24.0874E	180	
Gavdos	GVDS	Crete,Greece	34.8435N	24.0902E	164	From 2007-05-01
Gavelli	GAVE	Italy	42.6922N	12.8942E	1161	From 2006-09-26
Gavieira, Arcos de Valdevez	PGAV	Portugal	41.9653N	8.2698W	1084	From 2008-10-27
Gavin Park	CGPM	California,U.S.A.	37.6453N	122.0100W	366	
Gaylord	GY-MN	Minnesota,U.S.A.	44.5047N	94.0547W	305	From 1962-07-05 to 1962-07-11
Gaylord	GY-	Minnesota,U.S.A.	44.5047N	94.0547W	305	From 1962-07-05 to 1962-07-11
Gaynekanda	GNKN	Nepal	28.6330N	81.3310E	1334	
Gaziantep	GAZ	Turkey	37.1721N	37.2113E	864	From 1989-07-01
Gaziantep	GZT	Turkey	37.3553N	37.5641E	1446	From 2002-03-01
Gaziantep	GZTT	Turkey	37.0361N	37.3125E	850	From 1992-01-01
Gaziantep	SOFT	Turkey	37.1278N	37.3458E	1209	From 1998-02-11 to 2002-08-07
Gazipasa	GAZI	Turkey	36.2347N	32.3157E	394	From 2008-03-06
Gazzo Veronese (Italy)	GAZZ	Italy	45.1134N	11.0950E	12	From 2009-12-04
Gebbies Pass	GPZ	South Island,New Zealand	43.6964S	172.6440E	225	From 1956-11-01 to 1977-10-31
Gebel Alisa	AGAL	Egypt	23.4285N	32.8255E		
Gebel Marawa	AGMR	Egypt	23.5377N	32.5405E		
Gebel Rewraw	AGRW	Egypt	23.6450N	32.8097E		
Gebze	GBZT	Turkey	40.7889N	29.4450E	184	
Gebze	GEB	Turkey	40.8186N	29.4222E	240	From 1979-12-01 to 1999-08-25
GEDABAY	GDB	Azerbaijan	40.7210N	45.7540E	1643	From 2010-12-23
Gedeh	GED	Jawa,Indonesia	7.8333S	113.8330E		
Gedikpinar	GEDT	Turkey	39.9737N	29.7232E	700	From 1994-01-01
Gediz	GEDZ	Turkey	39.0444N	29.4104E	883	From 2010-10-21
Gediz	GDZ	Turkey	39.0888N	29.4811E	1367	From 2005-01-17
Geehi	GEE	New South Wales,Australia	36.4197S	148.1830E	480	From 1958-01-01 to 1968-12-31
Gees Lookout	GEES	Tasmania,Australia	41.4453S	147.1236E	70	From 1995-04-07
Gegechkori	GEG	Georgia	42.3500N	42.3833E	180	From 1957-01-01
Gemlik	GEMT	Turkey	40.4350N	29.1890E	220	From 2006-07-07
Gemona	GEPF	Italy	46.2750N	13.1386E	12	From 2008-07-17
Gemona	GMNA	Italy	46.2750N	13.2369E	270	
General Santos	GTP	Mindanao,Philippines	6.1333N	125.2167E		
General Santos City	GSPH	Mindanao,Philippines	6.0870N	124.9490E	1050	
Geneseo	GENY	New York,U.S.A.	42.7670N	77.8170W	0	From 2001-10-27 to 2007-07-02
Gen˜ove, Vieux-Billard	SGEV	Switzerland	46.2006N	6.1367E	373	From 2011-05-01
Genf, Marziano	SGEM	Switzerland	46.1927N	6.1304E	377	From 1992-06-05
Geno	GENO	Iran	27.4000N	56.1723E	1616	From 2010-04-30
Genoa	GNO	Nevada,U.S.A.	38.9292N	119.8530W	1646	
Genova	GEN	Italy	44.4181N	8.9301E	53	From 1963-01-01 to 1995-12-31
Genova University	GENL	Italy	44.4057N	8.9697E	80	From 1995-09-01
Genta-Ana	GENH	Iburi,Japan	42.5513N	140.8532E	150	
Gentilly	GNT	Quebec,Canada	46.3628N	72.3722W	10	From 1978-04-06
Gentvishi	GTS	Georgia	43.3828N	41.2820E	740	From 2006-09-01
Genyem	GENI	Irian Jaya,Indonesia	2.5927S	140.1678E	45	From 2009-11-24
Geochang	KSKUC	South Korea	35.6676N	127.9079E	220	From 2000-02-24
Geochang	KSKCH	South Korea	35.6140N	127.9188E	420	From 2006-12-30
Geological Survey, Reston	GSR	Virginia,U.S.A.	38.9479N	77.3696W	119	From 1975-06-01
Geophysical Institute, University of Alaska	GIA	Alaska,U.S.A.	64.8600N	147.8350W	158	From 1969-06-01 to 1971-01-31
Georgetown	GEO	District of Columbia,U.S.A.	38.9000N	77.0667W	29	From 1911-01-01
Georgetown	GTD	Delaware,U.S.A.	38.7414N	75.4144W	15	From 1977-01-01 to 1999-01-31
Georgetown Playfield ANSS-SMO	GTWN	Washington,U.S.A.	47.5512N	122.3220W	25	From 2004-08-01
GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	GERE	Queen Maud Land	70.7011S	8.3029W	57	From 2009-07-01
Geraldton	GTO	Ontario,Canada	49.7450N	86.9617W	350	
Gerania Oros	MGER	Greece	37.9860N	23.2602E	600	
GERESS Array Beam Reference Point	GERES	Bayern,Germany	48.8451N	13.7016E	1137	
GERESS Array Site A0	GEA0	Bayern,Germany	48.8368N	13.7019E	1027	
GERESS Array Site A1	GEA1	Bayern,Germany	48.8363N	13.7039E	1009	
GERESS Array Site A2	GEA2	Bayern,Germany	48.8386N	13.7018E	1059	
GERESS Array Site A3	GEA3	Bayern,Germany	48.8350N	13.7000E	1017	
GERESS Array Site B1	GEB1	Bayern,Germany	48.8389N	13.7075E	1015	
GERESS Array Site B2	GEB2	Bayern,Germany	48.8395N	13.6986E	1092	
GERESS Array Site B3	GEB3	Bayern,Germany	48.8369N	13.6960E	1058	
GERESS Array Site B4	GEB4	Bayern,Germany	48.8327N	13.6989E	1006	
GERESS Array Site B5	GEB5	Bayern,Germany	48.8346N	13.7059E	976	
GERESS Array Site C1	GEC1	Bayern,Germany	48.8412N	13.7099E	1027	
GERESS Array Site C2	GEC2	Bayern,Germany	48.8451N	13.7016E	1137	
GERESS ARRAY SITE C2A	GEC2A	Bayern	48.8451N	13.7016E	1127	From 2008-08-12
GERESS ARRAY SITE C2B	GEC2B	Bayern	48.8451N	13.7016E	1127	From 2008-08-12
GERESS Array Site C3	GEC3	Bayern,Germany	48.8424N	13.6917E	1075	
GERESS Array Site C4	GEC4	Bayern,Germany	48.8352N	13.6875E	1103	
GERESS Array Site C5	GEC5	Bayern,Germany	48.8296N	13.6957E	1009	
GERESS Array Site C6	GEC6	Bayern,Germany	48.8268N	13.7091E	942	
GERESS Array Site C7	GEC7	Bayern,Germany	48.8354N	13.7145E	986	
GERESS Array Site D1	GED1	Bayern,Germany	48.8518N	13.7148E	1060	
GERESS Array Site D2	GED2	Bayern,Germany	48.8532N	13.6964E	999	
GERESS Array Site D3	GED3	Bayern,Germany	48.8465N	13.6818E	949	
GERESS Array Site D4	GED4	Bayern,Germany	48.8386N	13.6796E	1039	
GERESS Array Site D5	GED5	Bayern,Germany	48.8246N	13.6807E	1085	
GERESS Array Site D6	GED6	Bayern,Germany	48.8194N	13.6966E	1083	
GERESS Array Site D7	GED7	Bayern,Germany	48.8209N	13.7159E	959	
GERESS Array Site D8	GED8	Bayern,Germany	48.8332N	13.7261E	938	
GERESS Array Site D9	GED9	Bayern,Germany	48.8434N	13.7238E	987	From 1992-01-01
Gerfalco	GRFL	Italy	43.1475N	10.9764E	770	
Gerlach	N07A	Nevada,U.S.A.	40.7721N	118.9716W	1305	From 2006-02-21 to 2006-04-27
Gerlach	N07B	Nevada,U.S.A.	40.7797N	118.9711W	1302	From 2006-04-27 to 2008-03-18
Germantown	GERM	New York,U.S.A.	42.1570N	73.8113W	88	
Germi	GRMI	Iran	38.8081N	47.8938E	1300	From 2004-08-01
Geronimo	Z18A	Arizona,U.S.A.	33.0851N	110.0362W	812	From 2007-03-09 to 2009-01-18
GE Springer Mine, Mill City	N08A	Nevada,U.S.A.	40.7811N	118.1337W	1492	From 2006-02-15 to 2008-03-20
Gesves	BGES	Belgium	50.3845N	5.0869E	295	From 1997-11-15
Gevas	GEVA	Turkey	38.3122N	43.0586E	1672	From 2008-10-31
Gevers	GAUS	Turkmenistan	37.9320N	58.9100E	148	
Geyser Peak	GGPM	California,U.S.A.	38.7647N	122.8440W	1054	From 1975-04-18
Geysers	GDXM	California,U.S.A.	38.8078N	122.7947W	910	
Gezan	GEZ	Tajikistan	39.4000N	67.7000E		
Ghaleghazi	IGHG	Iran	34.3294N	46.5685E	2090	From 2004-01-01
Ghaloghah	IGLO	Iran	36.5024N	53.8302E	1963	From 2000-08-01
Ghamsar	QAM	Iran	33.7606N	51.4397E	1864	From 1985-01-01
Ghanteswor	GHAN	Nepal	29.1800N	80.6300E	2450	From 1995-01-01
Ghardimaou	GHAT	Tunisia	36.4958N	8.3048E	400	
Gharib	GRB	Egypt	28.2705N	32.7859E	465	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Gharneh	IGAR	Iran	32.4038N	52.0418E	2020	From 2005-04-06
Gharyan	GHAR	Libya	32.1220N	13.0863E	709	
Ghazvin	IGZV	Iran	36.3859N	50.2184E	2100	From 1996-01-01
Ghdames	LGHD	Libya	30.0167N	9.4422E	600	
Ghir-Karzin	GHIR	Iran	28.2855N	52.9867E	1200	From 2004-05-11
GHOM	GHVR	Iran	34.4800N	51.2950E	924	From 2007-05-01
Ghuzeima	GHZJ	Jordan	30.5300N	36.3250E	1048	From 1990-01-12
Gibalbin	GIBL	Spain	36.8301N	5.9674W	374	
Gibilmanna	GIB	Sicily,Italy	37.9894N	14.0267E	1000	
Gifford Fjord, Baffin Island, Nunavut	GIFN	Northwest Territories,Canada	69.9945N	81.6380W	92	From 2005-08-19
Gifu	GIF	Gifu,Japan	35.3983N	136.7650E	13	
Gilahina Butte	GLB	Alaska,U.S.A.	61.4418N	143.8100W	845	From 1973-08-25
Gila River Indian Community, Laveen	Z15A	Arizona,U.S.A.	33.2893N	112.1581W	318	From 2007-04-14 to 2008-12-05
Gilbert	GBT	Nevada,U.S.A.	38.1630N	117.6840W	2137	
Gilbert Hill	GHI	Idaho,U.S.A.	46.4702N	116.3190W	920	From 1971-10-01 to 1976-01-14
Gilboa	GILB	New York,U.S.A.	42.4230N	74.4527W	335	
Gileppe	GIP	Belgium	50.5922N	5.9742E		
Giles	GLS	Western Australia,Australia	25.0353S	128.2960E	600	From 1974-10-01 to 1978-04-11
Gilgit	GLGT	Pakistan	35.9000N	74.3000E	1478	From 2010-06-30
Gilhagi	IGIL	Iceland	66.0770N	16.3510W	134	From 1993-10-23
Gilleleje	GID	Denmark	56.1270N	12.1788E	10	
Gillis	GILR	Nevada,U.S.A.	38.7313N	118.5347W	1676	
Gilmore Creek	GIL	Alaska,U.S.A.	64.9750N	147.4950W	350	
Gilmore Dome	GLM	Alaska,U.S.A.	64.9873N	147.3890W	820	From 1968-08-01
Gilmore Dome	GLN	Alaska,U.S.A.	64.9873N	147.3890W	820	From 1968-08-01
Gilroy Hot Springs	GHS	California,U.S.A.	37.0958N	121.4470W	778	From 1971-09-03
Gilroy Springs	HGSM	California,U.S.A.	37.0958N	121.4470W	778	From 1971-09-03
Gilroy West	HGWM	California,U.S.A.	37.0170N	121.6530W	131	From 1975-10-02
Gimchen	KSGIC	South Korea	36.0799N	128.1024E	123	From 2007-12-12
Ginetes	SET2	Azores,Portugal	37.8435N	25.8066W	525	From 1998-09-01
Gioiosa Marea	ME15	Italy	38.1708N	14.8988E	116	From 2008-05-13 to 2010-01-31
Gippayama	GPY	Nagano,Japan	36.3944N	138.5000E	2033	
Giralia	GIRL	Western Australia,Australia	22.6430S	114.2340E	111	From 1995-09-04
Girardeau Bridge	CBMO	Missouri,U.S.A.	37.3036N	89.5236W	102	
Girdled Road	CGRR	Ohio,U.S.A.	41.6787N	81.1418W	334	
GIRESUNGRSN	GRSN	Turkey	40.9244N	38.2681E	536	From 2005-08-09
Girifalco	GRI	Italy	38.8221N	16.4200E	510	
Girl Scout Camp	GSCY	New York,U.S.A.	41.2661N	74.0039W	110	
Girov	GIRR	Romania	46.9551N	26.5008E	334	From 2010-08-18
Gisborne	GNZ	North Island,New Zealand	38.6442S	178.0230E	30	From 1963-07-01
Gissar	GIS	Tajikistan	38.4667N	68.5667E		
Giuliano Di Roma	GIUL	Italy	41.5583N	13.2546E	566	From 2002-06-12
Giurgiulesti	GIUM	Moldova	45.4850N	28.2081E	106	From 2007-07-27
Giv'at Hamore	GVMR	Israel	32.6200N	35.3700E	90	From 1991-12-01
Givet	GIVF	Nord-Pas-de-Calais,France	50.1022N	4.8233E	295	From 1996-04-03
Gizo	GIZ	Solomon Islands,Papua New Guinea	8.0986S	156.8420E	20	
Gjilan	GJIK	Kosovo	42.4616N	21.4359E	630	From 2008-07-06
Glacier Island	GLC	Alaska,U.S.A.	60.8907N	147.0720W	3	From 1972-07-24 to 1984-09-17
Glacier Island	GLI	Alaska,U.S.A.	60.8797N	147.0940W	429	From 1984-09-18
Glacier Lake	GLK	Washington,U.S.A.	46.5639N	121.6090W	1320	
Glacier Peak	GC-WA	Washington,U.S.A.	48.1622N	121.2822W	671	From 1962-11-08 to 1962-12-12
Glacier Peak	GC-	Washington,U.S.A.	48.1622N	121.2822W	671	From 1962-11-08 to 1962-12-12
Glacier Peak	GPW	Washington,U.S.A.	48.1179N	121.1379W	2354	
Glacier Shelter	GSZ	North Island,New Zealand	39.2686S	175.5616E	2530	From 1976-07-01 to 1984-03-31
Gladstone	GLAD	Tasmania,Australia	40.9844S	148.0086E	146	From 1996-01-01
Gladstone Plant	GLADS	Queensland,Australia	23.8697S	151.2681E	117	
Gladstone Stream	GSP	South Island,New Zealand	44.1336S	170.0180E	840	From 1975-01-01 to 1978-04-30
Glafira	VGL	Greece	39.4456N	22.8842E	424	From 1982-10-01
Glamis	GLA	California,U.S.A.	33.0520N	114.8270W	627	From 1966-12-20
Glashutten	GHA	Austria	47.4625N	16.3881E	500	
Glass	GLAT	Tennessee,U.S.A.	36.2694N	89.2876W	120	
Glass	GLST	Missouri,U.S.A.	36.2691N	89.2877W	122	
Glebe high school	OTGH	Ontario,Canada	45.4014N	75.6969W	74	From 2001-12-18
Glehn	BA17	Nordrhein-Westfalen,Germany	51.2516N	6.3657E	65	From 2006-10-01
Glen Almond	GAC	Quebec,Canada	45.7033N	75.4783W	62	From 1979-10-26
Glen Avon	GAV	California,U.S.A.	34.0225N	117.5049W	262	From 1976-01-01
Glenbawn Bedrock	GBBM	New South Wales,Australia	32.0925S	150.9725E	275	
Glenbawn Dam	GBAM	New South Wales,Australia	32.1114S	150.9993E	293	
Glen Canyon	GCA	Arizona,U.S.A.	36.9736N	111.5931W	1339	From 1960-08-01 to 1999-08-25
Glen Canyon Dam (NPS), Page	T16A	Arizona,U.S.A.	36.9839N	111.5060W	1177	From 2007-03-17 to 2008-11-19
Glen Cove	GCY	New York,U.S.A.	40.8583N	73.6300W	43	From 1965-02-01
Glendale	K02A	Oregon,U.S.A.	42.7667N	123.4898W	963	From 2006-05-26 to 2007-11-28
Glendive	GI-	Montana,U.S.A.	47.1928N	104.2194W	732	From 1963-07-17 to 1964-08-05
Glendive	GI-MA	Montana,U.S.A.	47.1928N	104.2194W	732	From 1963-07-17 to 1964-08-05
Glendive	D24A	Montana,U.S.A.	47.1152N	104.3270W	766	From 2008-09-19
Glenfield	GFW	South Island,New Zealand	41.4567S	173.8310E	230	
Glengowla, Co Galway	IGLA	Ireland	53.4195N	9.3750W	30	
Glenifferbraes	PGBU	Scotland,United Kingdom	55.8115N	4.4837W	199	From 1990-01-01 to 1991-01-01
Glenmaggie	GLMM	Victoria,Australia	37.9020S	146.7990E	160	
Glenmuick	GLE	South Island,New Zealand	42.9000S	173.1500E	75	
Glennies Creek Dam	GLNM	New South Wales,Australia	32.3662S	151.2464E	160	
Glenroy	BGRQ	Queensland,Australia	20.5492S	147.1050E	160	From 1981-02-16
Glenside	GLEN	South Australia,Australia	34.9435S	138.6310E	70	From 2001-08-02
Glenview	GGLM	California,U.S.A.	38.8967N	122.7760W	893	From 1975-04-18
Glhisar (BURDUR)	GLHS	Turkey	37.1560N	29.4983E	1100	From 2005-04-08
Globe	GE-	Arizona,U.S.A.	33.7756N	110.5281W	1475	From 1964-04-09 to 1965-10-04
Globe	GE-AZ	Arizona,U.S.A.	33.7756N	110.5281W	1475	From 1964-04-09 to 1965-10-04
Glory Hole Creek	GHO	Alaska,U.S.A.	61.7722N	148.9240W	1021	From 1984-09-11
Gloucester	GLO	Massachusetts,U.S.A.	42.6403N	70.7272W	15	From 1975-08-01
Gloversville	GLOV	New York,U.S.A.	43.0895N	74.3320W	292	
Glow Worm Lake	GLWN	Northwest Territories,Canada	64.7253N	109.3304W	449	
Glumsstadir	IGLU	Iceland	64.9806N	15.0854W	115	From 2005-11-01
Gnd/Air Tx Cntr	GATR	California,U.S.A.	34.5527N	120.5024W	590	
Gnome	GN-NM	New Mexico,U.S.A.	32.2625N	103.8569W	1036	From 1962-01-08 to 1962-02-15
Gnome	GN-	New Mexico,U.S.A.	32.2625N	103.8569W	1036	From 1962-01-08 to 1962-02-15
Gnosjoe	GNOU	Sweden	57.2900N	13.7560E	280	From 2006-10-09
Goa	GOA	Goa, Daman and Diu,India	15.4917N	73.8247E	58	From 1964-06-06
Go??abunga	IGOD	Iceland	63.6598N	19.3224W	1200	From 2006-09-06
Goat Mountain	VGTM	Oregon,U.S.A.	45.1498N	122.2650W	993	
Goat Mountain	GT2	Oregon,U.S.A.	45.1556N	122.2710W	823	From 1985-09-01
Goat Mountain	GOAT	Alaska,U.S.A.	60.5810N	144.7271W	897	
Goat Mountain	GTM	California,U.S.A.	34.2946N	116.3560W	836	
Gobbelet	GOBY	New York,U.S.A.	41.3294N	73.9219W	150	
Gobu	GOBA	Azerbaijan	40.4010N	49.7330E	183	From 2003-08-01
Godfrey	GOGA	Georgia,U.S.A.	33.4112N	83.4666W	150	From 1993-03-16
Godhavn	GDH	Greenland	69.2500N	53.5333W	23	
Gofitskoye	GOF	Stavropol'skiy Kray,Russia	45.0580N	43.0340E	294	From 1994-03-19
Goheung	KSKOH	South Korea	34.6090N	127.2733E	53	From 2000-02-10
Gokceada-Canakkale	GOKC	Turkey	40.1997N	25.9183E	118	From 2011-03-28
Golan-Tel Qazir	GLH	Israel	32.7140N	35.6500E	330	From 1986-06-26
Gold Coast 1 Soft	GC1S	Queensland,Australia	28.1617S	153.5115E	11	From 2009-01-01
Gold Coast 2 Fill	GC2F	Queensland,Australia	27.9122S	153.3958E	12	From 2009-01-01
Gold Coast Softrock	GC2	Queensland,Australia	28.1364S	153.4539E	60	
Gold Cst Hrdrock	GC1	Queensland,Australia	27.9487S	153.3618E	60	
Golden	GLD	Colorado,U.S.A.	39.7493N	105.2201W	1762	From 1974-01-01
Golden	GNM	New Mexico,U.S.A.	35.2496N	106.1930W	2417	From 1976-01-01
Golden	GOL	Colorado,U.S.A.	39.7003N	105.3711W	2359	From 1961-12-21 to 1999-08-25
Goldendale	F06A	Washington,U.S.A.	45.7664N	120.7817W	577	From 2006-08-26 to 2008-03-28
Goldfield	GF-NV	Nevada,U.S.A.	37.9175N	117.2017W	1707	From 1963-02-08 to 1963-03-29
Goldfield	GF-	Nevada,U.S.A.	37.9175N	117.2017W	1707	From 1963-02-08 to 1963-03-29
Goldfield	S09A	Nevada,U.S.A.	37.7243N	117.2246W	1767	From 2006-04-12 to 2008-03-24
Gold Hill	PGHM	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold Hill	GHC	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold Hill	GHIB	California,U.S.A.	35.8323N	120.3473W	330	
Gold Hill	PK1	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold King Creek	GKC	Alaska,U.S.A.	64.1787N	147.9350W	490	From 1976-07-01
Gold Mountain	GMN	Nevada,U.S.A.	37.3004N	117.2598W	2169	From 1979-07-13
Gold Mountain	GMW	Washington,U.S.A.	47.5479N	122.7860W	506	From 1970-02-27
Gold River	GDR	British Columbia,Canada	49.7810N	126.0320W	100	From 1978-08-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Gold Rush Inn	AGIM	California,U.S.A.	38.8447N	120.9810W	305	From 1976-01-28
Goldstone	GSC	California,U.S.A.	35.3018N	116.8058W	1000	From 1961-11-07
Goldstream Park	GSTB	British Columbia,Canada	51.6600N	118.6850W	1340	
Goldstream Valley	GSV	Alaska,U.S.A.	64.9216N	147.9370W	302	
Goldstream Valley	GSVT	Alaska,U.S.A.	63.3372N	142.9821W	497	
Golhisar	GOLH	Turkey	37.2369N	29.5611E	1090	From 2005-03-25
Golis@17e	GOLS	Slovenia	46.0108N	15.6245E	559	
Golondrinas	GOLV	Ecuador	0.2082N	79.1370W	404	From 2008-07-25
Golpazari	GPA	Turkey	40.2889N	30.3094E	560	From 1970-07-01
Golpazari	GLP	Turkey	40.2889N	30.3094E	560	From 1970-07-01
Goma	GOM	Congo (Kinshasa)	1.6810S	29.2270E	1470	
Gonabad	GNKF	Iran	34.5000N	58.4000E	0	
Gonen	GET	Turkey	40.1083N	27.5667E	590	From 1978-09-01 to 1984-03-31
Gonen-Balikesir	GONE	Turkey	40.0466N	27.6860E	142	From 2008-06-27
Gongen	GON	Kagoshima,Japan	31.5825N	130.6858E	270	
Gongju	KSKOJ	South Korea	36.4706N	127.1446E	100	From 2006-12-30
Gonzales	VGZ	British Columbia,Canada	48.4139N	123.3240W	68	From 1982-03-23
Goochland	GHV	Virginia,U.S.A.	37.7942N	78.1073W	107	From 1978-10-10
Goodnow Flow	GNF	New York,U.S.A.	43.9152N	74.2302W		From 1983-10-01
Goodsprings	V11A	Nevada,U.S.A.	35.8384N	115.4305W	1117	From 2006-06-16 to 2008-10-14
Goonhilly	CGH1	England,United Kingdom	50.0507N	5.1649W	97	From 1981-01-01
GO Pecny, Ondrejov, Czech Republic	GOPC	Czech Republic	49.9140N	14.7870E	484	From 2009-06-01
Gorafe	GORA	Spain	37.4805N	3.0398W	895	
Gordon	GO-	Nebraska,U.S.A.	42.6328N	102.2739W	1097	From 1962-12-28 to 1963-03-21
Gordon	GO-NB	Nebraska,U.S.A.	42.6328N	102.2739W	1097	From 1962-12-28 to 1963-03-21
Gordon Butte	VGBM	Oregon,U.S.A.	45.5157N	120.7780W	729	
Gordon Butte	VGB	Oregon,U.S.A.	45.5157N	120.7780W	729	
Gorelyy	GRL	Kamchatskaya Oblast',Russia	52.5519N	158.0733E	1250	
Gorenja Brezovica	GBAS	Slovenia	45.9348N	14.4423E	538	
Gori	GOR	Georgia	41.9855N	44.1088E	648	From 1932-01-01
Goris	GRS	Armenia	39.5000N	46.3333E	1399	From 1951-01-01
Gorje	GRJ	Slovenia	46.3833N	14.0833E	600	
Gorjuse	GORS	Slovenia	46.3170N	13.9950E	1086	From 2004-07-01
Gorka Klasztorna	GKP	Poland	53.2697N	17.2367E	115	From 2004-05-28
Gorkha	GKN	Nepal	28.0030N	84.6370E	1478	From 1983-07-01
Gornja Briga	GBRS	Slovenia	45.5311N	14.8101E	610	From 2007-04-05
Gornji Cirnik	GCIS	Slovenia	45.8672N	15.6275E	320	From 2003-08-11
Gornotajezhnoje	GRTR	Primorskiy Kray,Russia	43.7073N	132.1565E	263	From 2006-07-24
Gornyy	GOY	Sakhalinskaya Oblast',Russia	44.9167N	147.5670E		
Gornyy	GRNR	Khabarovskiy Kray,Russia	50.7690N	136.4220E	450	
Goroka	GKA	Papua New Guinea	6.0583S	145.3920E	1634	From 1970-03-01 to 1972-11-22
Goroka	GRK	Papua New Guinea	6.0756S	145.3950E	1579	From 1968-01-25 to 1970-03-12
Goroka	GRK1	Papua New Guinea	6.0700S	145.3940E	1695	
Gorontalo	GTOI	Moluccas,Indonesia	0.6358N	123.0105E	0	From 2005-01-01
Gorron	GRR	Pays de la Loire,France	48.3883N	0.8583W	220	
Gosan	KSGOS	South Korea	33.2938N	126.1628E	71	From 2002-10-29
Gosnell	GNAR	Missouri,U.S.A.	35.9652N	90.0178W	71	
Gosnell High Sch.	GSAR	Missouri,U.S.A.	35.9618N	89.9694W	0	
Goteborg	GOT	Sweden	57.6983N	11.9783E	66	
Goteborg	NE01	Sweden	57.8010N	12.1320E	55	From 1983-02-01 to 1986-01-31
Gotemba	GTN	Shizuoka,Japan	35.3167N	138.9330E		
Gotland	GOTU	Sweden	57.6855N	18.5700E	50	From 2002-03-05
Gotsu	JGT	Shimane,Japan	35.0287N	132.3343E	50	
Gottingen	GTT	Niedersachsen,Germany	51.5464N	9.9642E	272	From 1899-01-01 to 2005-06-17
Gould Hall	GOU	Alaska,U.S.A.	61.1892N	149.8000W	71	From 1994-08-01
Goura	GUR	Greece	37.9363N	22.3423E	1081	From 2006-04-12
Gourbit	GRBF	Midi-Pyrenees,France	42.8413N	1.5367E	878	From 1989-01-01
Govalcot	GOV	Maharashtra,India	17.5400N	73.4883E	1	
Government House	GHSS	South Australia,Australia	34.9194S	138.6017E	42	From 2009-01-01
GOVORA	RMVG	Romania	45.0364N	24.2843E	260	From 2008-03-13
Gowlland Point	GOWB	British Columbia,Canada	48.7369N	123.1848W	29	
Goynuk	GYN	Turkey	40.3533N	30.7264E	1279	From 1991-01-01 to 1993-09-01
Gozaisho	GZS	Mie,Japan	35.0153N	136.4260E	1150	From 1963-10-01 to 1965-12-31
Gozaisho	GOZ	Mie,Japan	35.0153N	136.4260E	1150	From 1963-10-01 to 1965-12-31
Grace West	PGWM	California,U.S.A.	35.1838N	120.6270W	148	
Graciosa	PGRA	Azores,Portugal	39.0293N	27.9813W	245	
GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	IAGFE	Azores	39.0423N	28.0055W	284	From 2010-11-09
Graechen Ausblick	SGRA	Valais,Switzerland	46.1936N	7.8356E	1591	From 2010-12-21
Graesoe	GRAU	Sweden	60.3342N	18.5396E	100	From 2001-12-19
Grafenberg	GRFO	Bayern,Germany	49.6909N	11.2203E	384	From 1978-10-01
Grafenberg	GG-GR	Bayern,Germany	49.6922N	11.2153E	525	From 1965-03-02
Grafenberg Ar.	SB-	Bayern,Germany	49.6919N	11.2217E	500	From 1965-03-02
Grafenberg Ar.	GG-	Bayern,Germany	49.6922N	11.2153E		From 1965-03-02
Grafenberg Array	GRA1	Bayern,Germany	49.6919N	11.2217E	500	From 1976-03-01
Grafenberg Array	GRA2	Bayern,Germany	49.6550N	11.3600E	512	From 1976-03-01
Grafenberg Array	GRA3	Bayern,Germany	49.7623N	11.3193E	455	From 1976-03-01
Grafenberg Array	GRA4	Bayern,Germany	49.5655N	11.4359E	503	From 1978-01-01
Grafenberg Array	GRB1	Bayern,Germany	49.3922N	11.6537E	494	From 1978-01-01
Grafenberg Array	GRB2	Bayern,Germany	49.2712N	11.6691E	552	From 1978-01-01
Grafenberg Array	GRB4	Bayern,Germany	49.4688N	11.5615E	507	From 1978-01-01
Grafenberg Array	GRB3	Bayern,Germany	49.3439N	11.8065E	517	From 1978-01-01
Grafenberg Array	GRB5	Bayern,Germany	49.1111N	11.6789E	525	From 1979-01-01
Grafenberg Array	GRC1	Bayern,Germany	48.9960N	11.5220E	512	From 1979-09-01
Grafenberg Array	GRC2	Bayern,Germany	48.8680N	11.3750E	445	
Grafenberg Array	GRC3	Bayern,Germany	48.8904N	11.5851E	438	From 1979-01-01
Grafenberg Array	GRC4	Bayern,Germany	49.0870N	11.5270E	503	
Grafenberg Array	GRF	Bayern,Germany	49.6919N	11.2217E	500	From 1965-03-02
Grafton	GFN	New York,U.S.A.	42.7928N	73.4153W	518	From 1971-10-01 to 1976-07-28
Grahamstown	GRH	Cape Province,South Africa	33.3100S	26.5750E	558	
Grahamstown	GRM	Cape Province,South Africa	33.3133S	26.5083E	610	From 1967-11-03
Graiana	GRAM	Italy	44.4913N	10.0658E	850	From 1999-04-01
Granada	NE14	Spain	37.1900N	3.5950W	774	From 1983-05-01 to 2001-07-28
Granastaoir	IGRA	Iceland	65.9180N	17.5790W	24	From 1993-10-21
Granbergs Dal	GBD	Sweden	59.4570N	14.5540E	150	From 1980-01-01 to 1991-12-31
Grand Ballon	GBF	Alsace,France	47.9027N	7.0990E	1350	
Grand-Bara	GBR	Djibouti	11.1520N	42.4630E	625	From 1981-05-04
Grand Bay	DGBT	Dominica	15.2390N	61.3290W	70	
Grand Be	GBMF	Martinique	14.7973N	61.1648W	800	
Grand Canyon	GCAZ	Arizona,U.S.A.	36.0440N	112.1280W	2294	From 1987-01-01
Grand Canyon West Ranch, Meadview	V13A	Arizona,U.S.A.	35.8522N	113.9840W	1402	From 2007-03-10 to 2008-10-17
Grand Cayman	GCM	Cayman Islands	19.2890N	81.3810W	5	From 1984-11-01 to 2000-12-31
Grand Coulee	GCW	Washington,U.S.A.	47.9414N	118.9800W	462	
Grande Dixence	DIX	Switzerland	46.0801N	7.4082E	2410	From 1999-01-19
Grande-Etoile	GELF	Provence-Cote d'Azur,France	43.3836N	5.4275E	550	
Grandfather Mountain	GFM	North Carolina,U.S.A.	36.1110N	81.8070W	1726	From 1982-05-27
Grand Junction	GJC	Colorado,U.S.A.	39.0906N	108.5269W	1445	
Grand'Maison	GDM	Rhone-Alpes,France	45.2038N	6.1163E	1574	
Grand Marais	C39A	Minnesota,U.S.A.	47.8171N	90.1289W	341	
Grand Rapids	GP-MN	Minnesota,U.S.A.	47.6644N	93.4894W	427	From 1964-09-02 to 1964-12-01
Grand Rapids	GP-	Minnesota,U.S.A.	47.6644N	93.4894W	427	From 1964-09-02 to 1964-12-01
Grand Remous	GRQ	Quebec,Canada	46.6067N	75.8600W	290	
Grand Saline	GA-TX	Texas,U.S.A.	32.6569N	95.7044W	-86	
Grand Saline	GA3TX	Texas,U.S.A.	32.6597N	95.7036W	-94	
Grand Saline	GA2TX	Texas,U.S.A.	32.6581N	95.7036W	119	
Grand Targhee Resort	TARW	Wyoming,U.S.A.	43.7638N	110.9910W	2091	From 1986-01-01
Grand Turk	GRTK	Turks and Caicos Islands	21.5115N	71.1327W	12	
Grandview Point	GRAI	Idaho,U.S.A.	43.8093N	111.3360W	2231	
Grand Wintersberg	GWF	Alsace,France	48.9775N	7.6219E	580	From 1980-07-01
Grange	GNG	Trinidad and Tobago	11.1770N	60.7980W	36	
Granges-Gontardes	GGF	Rhone-Alpes,France	44.3667N	4.7667E	110	
Grangeville	F11A	Idaho,U.S.A.	45.8883N	116.1549W	1186	From 2006-11-04 to 2008-07-15
Granite Bay	GBY	Alaska,U.S.A.	60.4322N	147.9780W	495	From 1985-07-12
Granite Butte	GBM	Montana,U.S.A.	46.8593N	112.4560W	2237	From 1974-10-09 to 1976-10-04
Granite Creek	GRNC	Alaska,U.S.A.	60.7319N	141.7538W	2116	
Granite Creek	GCC	California,U.S.A.	37.0300N	121.9970W	122	From 1965-01-01
Granite Creek	YUK5	Yukon Territory,Canada	61.1315N	137.8593W	1619	From 2010-08-23
Granite Mountain	GMA	Alaska,U.S.A.	65.4287N	161.2320W	860	From 1970-09-17 to 1978-03-25
Granite Mountain	GMU	Utah,U.S.A.	40.5755N	111.7630W	1829	From 1970-08-01
Granite Mountains Res. Center	GMRC	California,U.S.A.	34.7800N	115.6600W	1326	From 2006-05-03

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Granite Pass	GRP	California,U.S.A.	34.8043N	115.6050W	1238	
Granite Peak	LGPM	California,U.S.A.	40.9125N	122.8290W	1290	From 1982-10-01
Graniteville	GVS	South Carolina,U.S.A.	33.5970N	81.8528W	100	From 1974-05-20 to 1976-08-09
Gran Sasso	GIGS	Italy	42.4500N	13.5690E	1000	From 2003-02-24
Grant Creek	GRCI	Idaho,U.S.A.	43.9667N	113.9890W	2341	From 1983-11-01
Grantsville	GS-MD	Maryland,U.S.A.	39.6189N	79.1833W	762	
Grantsville	GS-	Maryland,U.S.A.	39.6189N	79.1833W	762	
Grant Village	H17A	Wyoming,U.S.A.	44.3951N	110.5762W	2400	From 2007-10-03
Grant Village	YPGV	Wyoming,U.S.A.	44.3808N	110.5453W	2430	
Grapevine	GV-	Texas,U.S.A.	32.8858N	96.9983W	152	From 1962-06-02 to 1965-12-31
Grapevine	GV-TX	Texas,U.S.A.	32.8858N	96.9983W	152	From 1962-06-02 to 1965-12-31
Grapevine	GVN	California,U.S.A.	36.9999N	117.3435W	844	From 1978-11-28
Grapevine Ranger Station, Death Valley	GRAC	California,U.S.A.	37.0000N	117.3700W	689	From 2004-04-01
Grass Mountain	GSM	Washington,U.S.A.	47.2032N	121.7940W	1305	From 1970-06-11
Grass Mountain	VGMM	Oregon,U.S.A.	43.5923N	122.5460W	1561	
Grassy Mountain	GMG	Georgia,U.S.A.	34.8627N	84.6703W	1097	From 1985-11-01
Gratio	GRT	Tennessee,U.S.A.	36.2640N	89.4250W	137	
Graus	EGRA	Spain	42.1952N	0.3160E	706	From 1990-12-12
Grayback Hills BLM, Clive	N14A	Utah,U.S.A.	40.8513N	113.1867W	1325	From 2007-02-20 to 2008-08-20
Gray Butte	LGBM	California,U.S.A.	41.3452N	122.1940W	2304	
Gray Hill	HGH	England,United Kingdom	51.6380N	2.8064W	210	From 1980-01-01
Grayling	GLMI	Michigan,U.S.A.	44.8245N	84.6174W	387	
Grayling	GRLA	Alaska,U.S.A.	62.9063N	160.0626W	31	
Grayling Creek	GCR	Montana,U.S.A.	44.7962N	111.1060W	2075	From 1973-01-01
Grays Lake	GRRI	Idaho,U.S.A.	42.9380N	111.4220W	2207	
Graz	GRA	Austria	47.0767N	15.4483E	369	
Gr delle femmine	EGFM	Sicily,Italy	37.8197N	15.0210E	1700	From 1994-10-01
Great Barrier	GBZ	North Island,New Zealand	36.2178S	175.4810E	70	From 1967-10-01 to 1990-05-20
Great Barrier Island	GRZ	North Island,New Zealand	36.2502S	175.4578E	146	From 2010-05-13
Great Rift	GTRI	Idaho,U.S.A.	43.2440N	113.2410W	1547	From 1992-01-01
Great Sand Dunes National Park	SDCO	Washington,U.S.A.	37.7456N	105.5012W	2569	
Great Sitkin	AD1	Alaska,U.S.A.	52.0233N	176.1520W	244	From 1974-01-01 to 1992-02-01
Great Sitkin Cape Kiugilak	GSCK	Alaska,U.S.A.	52.0119N	176.1620W	384	
Great Sitkin Middle Yoke	GSMY	Alaska,U.S.A.	52.0432N	176.0563W	418	
Great Sitkin Saddle Point	GSSP	Alaska,U.S.A.	52.0928N	176.1757W	295	
Great Sitkin Teapot Rock	GSTR	Alaska,U.S.A.	52.0943N	176.0591W	536	
Great Sitkin Triple Divide	GSTD	Alaska,U.S.A.	52.0559N	176.1447W	873	
Great Whale R.	GWR	Quebec,Canada	55.2767N	77.7433W	20	From 1972-09-14
Great Whale River	GWC	Quebec,Canada	55.2917N	77.7533W	8	From 1965-09-27 to 1972-09-01
Greaves Creek	GRVM	New South Wales,Australia	33.6618S	150.3091E	980	
Greenback	GRBT	Tennessee,U.S.A.	35.6740N	84.1970W	329	
Greenback	GBTN	Tennessee,U.S.A.	35.6660N	84.2110W	326	From 1983-03-23 to 2006-07-06
Green Bank	GBV	West Virginia,U.S.A.	38.4300N	79.8438W	826	From 1976-11-15
Greenbrier Site X102	X102	Arkansas,U.S.A.	35.3798N	92.3115W	206	
Greenbrier Site X201	X201	Arkansas,U.S.A.	35.2927N	92.3623W	207	
Greenbrier Site X301	X301	Arkansas,U.S.A.	35.2386N	92.4002W	112	
Greenbush Farm, Park River	B31A	North Dakota,U.S.A.	48.4236N	97.6495W	279	From 2010-08-12
Green Hill Farm, Brenham	537A	Texas,U.S.A.	30.0799N	96.3155W	92	From 2010-01-31
Green Lake	GLKZ	Kermadec Islands,New Zealand	29.2620S	177.9203W	30	From 2009-06-01
Green Mountain	GNW	Washington,U.S.A.	47.5644N	122.8253W	165	
Green Oak Ranch	GORC	California,U.S.A.	33.1537N	117.2292W	138	
Greenough	D14A	Montana,U.S.A.	47.0816N	113.5062W	1444	From 2006-10-04 to 2009-07-16
Green Peter	VGPM	Oregon,U.S.A.	44.4833N	122.5820W	1212	
Greenpond	GPD	New Jersey,U.S.A.	41.0177N	74.4608W	360	
Green River Community College BBO	GRCC	Washington,U.S.A.	47.3116N	122.1807W	130	From 2004-09-01
Greensboro	GBG	Georgia,U.S.A.	33.4985N	83.2112W	173	From 1978-02-01
Greensboro	GBNC	North Carolina,U.S.A.	36.0678N	79.7450W	236	
Green Top	GTTN	Tennessee,U.S.A.	35.8120N	83.6670W	917	
Greenvale	GVL	Victoria,Australia	37.6186S	144.9006E	187	From 1976-01-01 to 2009-09-03
Green Valley	217A	Arizona,U.S.A.	31.7748N	110.8162W	1412	From 2007-03-03 to 2008-12-06
Green Valley Road	GVR	California,U.S.A.	38.2807N	122.2150W	257	From 1971-04-30
Green Verdugo site,Sunland	DECC	California,U.S.A.	34.2500N	118.3300W	519	From 2004-04-01
Greenville	GRV	Missouri,U.S.A.	37.0533N	90.3950W	168	From 1964-01-01 to 1974-12-31
Greenville	GH-MS	Mississippi,U.S.A.	33.3292N	91.0353W	30	
Greenwater Valley	GWV	California,U.S.A.	36.1867N	116.6710W	1540	From 1978-07-24 to 1988-02-16
Greenwater Valley	GWY	California,U.S.A.	36.1860N	116.6689W	1556	From 1988-04-01
Greenwich	GWJ	Jamaica	18.0740N	76.7280W	1200	
Greenwood	GWDE	Delaware,U.S.A.	38.8256N	75.6171W	19	From 1995-08-29 to 2001-06-29
Gregorio Matese	SGG	Italy	41.3867N	14.3788E	880	From 1977-01-01
Grenada	GRE	Grenada	12.0470N	61.7460W	15	From 1952-12-21
Grenada	LGRM	California,U.S.A.	41.6392N	122.4805W	780	
Grenoble	GRN	Rhone-Alpes,France	45.2425N	5.7452E	1040	From 1980-02-01
Grenoble	GRN*	Rhone-Alpes,France	45.1833N	5.7000E	244	
Grenville	GRGR	Caribbean Sea	12.1324N	61.6540W	195	
Gresham	PGO	Oregon,U.S.A.	45.4667N	122.4530W	237	From 1982-06-01
Gresik	GRJI	Jawa,Indonesia	6.9145S	112.4793E	0	From 2007-12-01
Gretna	GAN	Nebraska,U.S.A.	41.0214N	96.2469W	335	From 1977-12-13 to 1979-10-30
Greybull	H20A	Wyoming,U.S.A.	44.4868N	107.9990W	1236	From 2008-07-26
Greycliff	GCMT	Montana,U.S.A.	45.7912N	109.6672W	1530	
Greymouth	GRY	South Island,New Zealand	42.4167S	171.2170E	4	From 1932-11-01 to 1942-10-31
Griffith Obs. 2	GR2C	California,U.S.A.	34.1182N	118.3003W	342	
Griffith Observatory	GOC	California,U.S.A.	34.1130N	118.3020W	347	From 1965-06-01
Griffith Park	GFP	California,U.S.A.	34.1293N	118.3100W		From 1975-04-01
Grimsel Gerstenegg	GRIMS	Switzerland	46.5781N	8.3189E	1746	From 2011-08-01
Grimsey	IGRI	Iceland	66.5420N	18.0100W	36	From 1994-01-21
Grimsfjall	IGRF	Iceland	64.4070N	17.2670W	1710	From 2001-05-08
Grimsstaoir	IGRS	Iceland	65.6380N	16.1240W	378	From 1996-02-15
Grindav??k	IGRV	Iceland	63.8572N	22.4558W	52	From 1997-03-03
Grindle Hills	GRIN	Alaska,U.S.A.	60.2810N	143.3190W	625	
Grindstone Mountain	GROR	Oregon,U.S.A.	45.3513N	123.6620W	945	From 1986-05-01
Grise Fiord	GFNU	Nunavut,Canada	76.4180N	82.8998W	12	
Grit	GRI*	Texas,U.S.A.	30.7778N	99.3842W	518	From 1967-05-19 to 1967-05-23
Grit	GR1TX	Texas,U.S.A.	30.7778N	99.3842W	518	From 1967-05-19 to 1967-05-23
Grit	GR2	Texas,U.S.A.	30.7864N	99.4161W	549	From 1967-05-19 to 1967-05-23
Grit	GR2TX	Texas,U.S.A.	30.7864N	99.4161W	549	From 1967-05-19 to 1967-05-23
Griva	GRG	Greece	40.9567N	22.4014E	560	From 1981-01-01
Grizzlie Mountain	GMO	Oregon,U.S.A.	44.4391N	120.9560W	1689	
Grizzly Bear Lake	GBLN	Northwest Territories,Canada	64.1995N	112.9935W	392	
Grizzly Peak	GZU	Utah,U.S.A.	41.4255N	111.9750W	2646	
Grjothals	IGHS	Iceland	65.8578N	16.6272W	405	From 2008-03-19
Grjothals	IGHA	Iceland	65.8435N	16.6629W	396	From 2009-09-30
Grobnik	GROS	Slovenia	46.4610N	15.5018E	930	
Groom Lake Road	GLR	Nevada,U.S.A.	37.1994N	116.0175W	1446	From 1975-11-20 to 2002-10-10
Groom Range	GMR	Nevada,U.S.A.	37.3338N	115.7725W	1580	From 1979-01-23 to 2002-10-10
Grossbuechelberg	MGBB	Bayern,Germany	49.9720N	12.2150E	650	From 2001-03-12
Grosses Roches	GSQ	Quebec,Canada	48.9100N	67.1100W	398	From 1981-10-28
Grosshau	GSH	Nordrhein-Westfalen,Germany	50.7357N	6.3796E	367	From 1981-01-01
Grossmontoni	MOSI	Italy	46.6164N	10.5495E	1957	From 2006-12-13
Grota Negra	GRON	Azores,Portugal	37.7680N	25.5333W	577	From 2006-08-10
Ground Zero	GZN	Nevada,U.S.A.	37.2360N	116.5160W		From 1965-01-01 to 1970-12-31
Ground Zero	ZOX	Nevada,U.S.A.	37.2360N	116.5160W		From 1965-01-01 to 1970-12-31
Grouse Hill	LGHM	California,U.S.A.	41.6115N	121.6210W	2146	
Grouse Mountain	KGMM	California,U.S.A.	40.7588N	123.6740W	1615	
Grover	N25A	Colorado,U.S.A.	40.8132N	104.0873W	1607	From 2008-07-02
Grover	GRX	Nevada,U.S.A.	39.6355N	117.9890W	1390	From 1980-01-01
Groznyy	GROC	Russia	43.2027N	45.7961E	198	From 2008-04-15
Groznyy	GRO	Chechnya,Russia	43.3200N	45.7500E	123	
Grundy	GD-VA	Virginia,U.S.A.	37.3928N	81.9778W	366	From 1962-07-21 to 1962-10-05
Grundy	GD-	Virginia,U.S.A.	37.3928N	81.9778W	366	From 1962-07-21 to 1962-10-05
Gruta Xavier	XAVN	Nicaragua	12.1487N	86.3263W	160	
Gruza	GRUS	Serbia	43.8886N	20.7153E	273	From 2002-05-01
Gryon	GRYON	Switzerland	46.2505N	7.1111E	1300	From 2002-10-10
G??ttrup	GOET	Denmark	57.0350N	9.2250E	5	From 1977-01-01 to 1989-12-31
Guacamaya	GUAC	Venezuela	10.1920N	67.2711W	1359	From 1987-06-01
Guadalajara	GUM	Jalisco,Mexico	20.6794N	103.3242W	1567	
Guadalajara 2	GUM2	Jalisco,Mexico	20.6667N	103.3000W	1543	
Guadaloupe-1	LZG	Guadeloupe,Guadeloupe	16.1408N	61.7755W	116	From 1997-01-01
Guadaloupe-2	PHG	Guadeloupe,Guadeloupe	16.0146N	61.6426W	981	From 2004-03-30
Guadaloupe-3	TBG	Guadeloupe,Guadeloupe	15.8522N	61.6455W	78	From 2004-11-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Guadalupe	PT03	Peru	13.9917S	75.7967W	400	
Guadalupe Mountain	GDL2	New Mexico,U.S.A.	32.2003N	104.3640W	1213	
Guadarrama	GUD	Spain	40.6430N	4.1540W	1393	From 1979-07-01
Guajares	EGUA	Spain	36.8337N	3.5654W	386	From 1991-01-10
Gualala	GGUM	California,U.S.A.	38.8565N	123.4980W	661	
Gualdo di Macerata	GUMA	Italy	43.0627N	13.9352E	574	From 2007-10-18
Guallil	GUAL	Ecuador	3.0718S	78.8142W	3265	From 1994-07-21
Guam	GUA	Mariana Islands	13.5397N	144.9141E	287	From 1963-04-01
Guam	GUAM	Mariana Islands	13.4717N	144.7483E		From 1914-01-01 to 1944-12-31
Guam	GUMO	Mariana Islands	13.5891N	144.8686E	99	From 1975-08-01
Guam	GUAMO	Missouri,U.S.A.	36.8892N	89.8390W	172	
GUANDACOL	AGUA	La Rioja	29.4866S	68.4918W	1144	From 1996-09-26
Guangzhou	GZH	Guangdong,China	23.0869N	113.3440E	11	
Guangzhou	CNT	Guangdong,China	23.0869N	113.3440E	11	
Guanica, Bosque Seco, PR	GBPR	Puerto Rico	17.9751N	66.8792W	15	From 2006-09-21
Guanoco	GUNV	Venezuela	10.1616N	62.9426W	60	
Guantanamo	GM-	Cuba	19.9669N	75.0872W	16	From 1963-11-19 to 1964-03-03
Guantanamo	GTMO	Cuba	20.0800N	75.1400W	0	
Guantanamo	GM-CU	Cuba	19.9669N	75.0872W	16	From 1963-11-19 to 1964-03-03
Guantanamo Bay	GBC	Cuba	19.9000N	75.1500W		
Guantanamo Bay	GTBY	Caribbean Sea,U.S.A.	19.9268N	75.1108W	79	
Guarapari	CAM3	Espirito Santo,Brazil	20.7288S	40.5222W	27	
Guarcino	GUAR	Italy	41.7945N	13.3123E	741	From 2003-05-29
Guardamar (Alicante)	EXGUA	Spain	38.0960N	0.6570W	20	From 2009-09-01
Guardaparques de Rinc˜‡n de la Vieja	GPS1	Costa Rica	10.7748N	85.3497W	846	From 2000-01-01
Guatemala Basin O.B.S. 2	GB02	Guatemala Basin,North Pacific Ocean	6.5569N	93.5519W	-3580	From 1979-05-01
Guatemala Basin O.B.S. 3	GB03	Guatemala Basin,North Pacific Ocean	7.8381N	94.3869W	-3730	From 1979-05-01
Guatemala Basin O.B.S. 4	GB04	Guatemala Basin,North Pacific Ocean	12.7400N	91.0161W	-5260	From 1979-06-01
Guatemala Basin O.B.S. 5	GB05	Guatemala Basin,North Pacific Ocean	12.6519N	90.9489W	-6010	From 1979-05-01
Guatemala Basin O.B.S. 6	GB06	Guatemala Basin,North Pacific Ocean	12.6939N	90.8519W	-5260	From 1979-06-01
Guatemala Basin O.B.S. 7	GB07	Guatemala Basin,North Pacific Ocean	12.7911N	90.9119W	-4460	From 1979-06-01
Guatemala Basin O.B.S. 8	GB08	Guatemala Basin,North Pacific Ocean	12.7169N	90.9369W	-5465	From 1979-05-01
Guatemala City	GCG	Guatemala	14.5862N	90.5328W	1502	From 1925-01-01
Guatemala OBS 1	GB01	Guatemala Basin,North Pacific Ocean	3.9981N	91.9981W	-2893	From 1979-05-01
Guayabo de Bagaces	GUAB	Costa Rica	10.7075N	85.2292W	584	From 2000-01-01
Guayacanes	GUAY	Dominican Republic	18.4400N	69.4333W	0	
Guaymas	GYM	Sonora,Mexico	27.9100N	110.9520W	15	
Guba	GUB	Congo (Kinshasa)	10.6667S	26.4333E		
Gudauri	GUDG	Georgia	42.4646N	44.4772E	2012	From 2007-11-13
Gudauri	GUDA	Georgia	42.2752N	44.2837E	2011	From 2007-11-13
Guelma	CGMA	Algeria	36.4500N	7.4100E	336	
Guelma	CGUE	Algeria	36.4500N	7.4100E	336	
Guerrero	LLJ	Guerrero,Mexico	16.5642N	98.8847W		
Guerrero	CGG	Guerrero,Mexico	16.6750N	98.4575W	400	
Guia Canaria	GGC	Canary Islands,Spain	28.1197N	15.6367W	560	From 1984-11-01
Guildford	GILD	England,United Kingdom	51.2500N	0.5833W		
Guimar	GUI	Canary Islands,Spain	28.3208N	16.4405W	868	
Guinayangan	GQP	Philippines	13.9050N	122.4460E	50	
Guiria	GUIV	Venezuela	10.6470N	62.2230W	50	
Guiyang	GYA	Guizhou,China	26.4586N	106.6640E	1162	
Guiyang	KWA	Guizhou,China	26.4586N	106.6640E	1162	
Guiyang	HXI	Guizhou,China	26.4586N	106.6640E	1162	
Gukeng	WGK	Taiwan region	23.6860N	120.5620E	75	
Gulagac	GULA	Turkey	38.3443N	34.2360E	1128	From 2010-06-30
Gulek	GULE	Turkey	37.2837N	34.7765E	1625	From 2006-12-01
Guler Mountain	GULW	Washington,U.S.A.	45.9242N	121.5960W	1189	From 1986-07-31
Gulkana	GUL	Alaska,U.S.A.	62.2206N	145.4514W	600	From 1964-04-11 to 1964-05-07
Gulpinar-Canakkale	GPNR	Turkey	39.4560N	26.1332E	52	From 2011-03-26
Gulveren	GULT	Turkey	40.4323N	30.5150E	930	From 1993-01-01
Gumba	GUN	Nepal	27.9106N	85.8794E	2900	From 1985-03-01
Gum-Bashi	GUMR	Stavropol'skiy Kray,Russia	43.7756N	42.2472E	2312	
GUMI	KSGUM	South Korea	36.2347N	128.2902E	48	From 2006-12-30
Gumukmas	GMJI	Jawa,Indonesia	8.2732S	113.4441E	0	From 2007-12-01
Gumushane	GUMT	Turkey	40.4600N	39.4800E	1326	
Gundaroo	GUND	New South Wales,Australia	35.0318S	149.2679E	600	From 2007-08-01
Gundogdu	GDDT	Turkey	40.3397N	29.0213E	575	From 1994-01-01
Guneyli	GNYT	Turkey	40.5638N	29.2795E	585	From 1994-01-01
Gungliau Township	TNGL	Taiwan region	25.0430N	121.9230E	12	From 2002-11-06
Gun Hill	BBGH	Caribbean Sea	13.1434N	59.5588W	180	
Gunib	GNBR	Dagestan,Russia	42.3889N	46.9639E	800	
Gunnerudssatern	GNN	Sweden	60.1336N	13.6956E	265	From 1969-01-01 to 1991-12-31
Gunsan	KSKUS	South Korea	36.0168N	126.8336E	58	From 2000-02-05
GUNSAN	KSGUS	South Korea	36.0371N	126.7819E	33	From 2006-12-30
Gun Site Peak	GSUT	Utah,U.S.A.	41.9063N	112.1210W	1783	From 1979-10-01 to 1980-07-31
Gunungsitoli	GSI	Nias,Indonesia	1.3039N	97.5755E	107	From 2005-09-30
Gunung Srandil	SCJI	Jawa	7.6810S	109.1689E	45	
Gunzen	GUNZ	Sachsen,Germany	50.3635N	12.3316E	669	From 2000-12-16
Gura Zlata	GZR	Romania	45.3933N	22.7767E	850	From 1977-04-01
Guri	GUV	Venezuela	7.8086N	63.0974W	130	
Guri Network	GUV4	Venezuela	7.6083N	63.1017W	410	
Guri Network	GUV2	Venezuela	7.7816N	62.8176W	650	
Guri Network	GUV3	Venezuela	7.6009N	62.7614W	440	
Guri Network	GUV1	Venezuela	7.9478N	62.8554W	410	
Guri Network	GUV5	Venezuela	7.8944N	63.2120W	410	
Gurin_S¯VAS	CUGUR	Turkey	38.7237N	37.2719E	1401	From 2010-07-08
Gusciola	GSCL	Italy	44.3506N	10.5878E	665	
Gusukube	JOGS	Ryukyu Islands,Japan	24.7600N	125.4063E	60	
Gutenstein	GUT	Baden-Wurttemberg,Germany	48.0709N	9.1153E	647	From 1997-10-14
Guthrie	V34A	Oklahoma,U.S.A.	35.8345N	97.5176W	329	From 2009-10-31
Gut Margarthenhoehe	BD04	Nordrhein-Westfalen,Germany	50.9151N	6.5986E	80	From 2001-01-01
Guttu	GTU	Himachal Pradesh,India	30.5269N	78.7477E	1880	From 2007-05-01
Guwahati	GWH	Assam,India	26.1500N	91.7300E		From 1982-12-01
GUWAHATI	GUWA	Assam	26.1933N	91.6914E	88	From 2011-05-01
Guyot Hills	GYO	Alaska,U.S.A.	60.1463N	141.4710W	183	From 1976-06-01
Guysborough	GBN	Nova Scotia,Canada	45.4078N	61.5128W	38	From 1983-05-03
Guzelce-Avcilar-Istanbul	SBT2	Turkey	40.8786N	28.5142E	-810	From 2010-11-03
Gvkgeada	GADA	Turkey	40.1909N	25.8986E	130	From 2006-07-06
Gvttingen	GTTG	Germany	51.5451N	9.9647E	279	From 2006-01-18
Gwangju	KSKWJ	South Korea	35.1599N	126.9910E	213	From 2000-12-13
Gwangju-acc	KSGWJ	South Korea	35.1731N	126.8915E	0	From 2007-01-01
Gweek	CGW	England,United Kingdom	50.1006N	5.2228W	9	From 1993-01-01
Gygjarholskot	IGYG	Iceland	64.2810N	20.2150W	119	From 1989-12-10
Gyogryolbido	KSGBI	South Korea	36.6250N	125.5590E	112	From 2007-12-12
Gyula	GYL	Hungary	46.5981N	21.1718E	92	
Gyumri	GYMZ	Krasnodarskiy Kray,Russia	40.8100N	43.8310E	1560	
Gyumri	GMRZ	Armenia	40.8100N	43.8310E	1560	From 1945-01-01
Gyzyletrek	GZLA	Turkmenistan	37.6750N	54.7650E	55	
G?zelcaml?	GCAM	Turkey	37.7002N	27.2335E	38	From 2007-05-22
HAARP	HARP	Alaska,U.S.A.	62.4076N	145.1550W	600	
Haboro	HAB	Rumoi,Japan	44.3833N	141.7000E		
Hachijo jima	HJJ	Bonin Islands,Japan	33.1017N	139.7880E	80	
Hachijo jima 2	JHJ	Bonin Islands,Japan	33.1192N	139.7833E	153	
Hachijojimakashitate	JHCJ	Bonin Islands,Japan	33.0723N	139.7977E	170	From 2009-03-01
Hachinohe	HAC	Aomori,Japan	40.5250N	141.5270E	28	
Hachinohe 2	HACJ	Aomori,Japan	40.3972N	141.5460E	230	From 1991-03-08
Hacho	HACH	Spain	37.1890N	4.1218W	1025	
Hacienda Drive	AHDM	California,U.S.A.	39.0483N	121.0765W	483	
Hadbat Hakran	HKNS	Saudi Arabia	22.6420N	41.7158E		
Haddam	HDM	Connecticut,U.S.A.	41.4858N	72.5232W	24	From 1974-12-23 to 1999-01-31
Hadim	HDMB	Turkey	36.9640N	32.4860E	1946	From 2003-11-05
Hadley Quad	HAKY	Kentucky,U.S.A.	37.1057N	86.5849W	169	From 1987-06-26
HADONG	KSHAD	South Korea	35.0797N	127.7696E	60	From 2006-12-30
Hadrut	HDR	Armenia	39.5220N	47.0310E	800	From 1998-01-01
Haenam	KSHAN	South Korea	34.5727N	126.5693E	13	From 2001-09-08
Haflong	HLGA	Assam,India	25.1600N	93.0167E	662	From 1984-08-01
Hagersville	HGVO	Ontario,Canada	42.9607N	80.1264W	224	
Hagfors	HFS	Sweden	60.1335N	13.6945E	296	From 1969-01-01
Hagfors Array Site A1	HFSA1	Sweden	60.1383N	13.6955E	240	
Hagfors Array Site B1	HFSB1	Sweden	60.1382N	13.7011E	225	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Hagfors Array Site B2	HFSB2	Sweden	60.1431N	13.6988E	230	
Hagfors Array Site B3	HFSB3	Sweden	60.1433N	13.6884E	240	
Hagfors Array Site B4	HFSB4	Sweden	60.1384N	13.6860E	235	
Hagfors Array Site B5	HFSB5	Sweden	60.1351N	13.6935E	240	
Hagfors Array Site C1	HFSC1	Sweden	60.1344N	13.6968E	265	
Hagfors Array Site C2	HFSC2	Sweden	60.1335N	13.6973E	260	
Hagfors New Array Site A0	HFA0	Sweden	60.1420N	13.6850E	274	
Hagfors New Array Site A1	HFA1	Sweden	60.1444N	13.6846E	294	
Hagfors New Array Site A2	HFA2	Sweden	60.1406N	13.6806E	301	
Hagfors New Array Site A3	HFA3	Sweden	60.1405N	13.6896E	265	
Hagfors New Array Site B1	HFB1	Sweden	60.1482N	13.6824E	323	
Hagfors New Array Site B2	HFB2	Sweden	60.1421N	13.6729E	341	
Hagfors New Array Site B3	HFB3	Sweden	60.1370N	13.6820E	271	
Hagfors New Array Site B4	HFB4	Sweden	60.1384N	13.6943E	266	
Hagfors New Array Site B5	HFB5	Sweden	60.1467N	13.6964E	253	
Hagfors New Array Site C2	HFC2	Sweden	60.1335N	13.6945E	296	
Ha Giang	HGVB	Vietnam	22.8358N	104.9923E	119	From 2008-01-01
Hagoal	HHAG	Egypt	29.9530N	32.0990E	477	
Hagol	HAGS	Egypt	24.3794N	34.9866E	293	
Hague Volcano	HAG	Alaska,U.S.A.	55.3171N	161.9042W	503	From 1996-07-01
Haha-jima-NKT	JHHJ	Bonin Islands,Japan	26.6297N	142.1780E	110	
Hahryggur	HAH	Iceland	64.1185N	21.2828W		
Haibara	HBR	Nara,Japan	34.5028N	135.9930E	390	
Haid-Arzberg	MHAI	Bayern,Germany	50.0225N	12.1762E	550	From 2001-03-13
Haifa	HAF	Israel	32.7790N	35.0240E	179	
Ha'il	HILS	Saudi Arabia	27.3835N	41.7917E	1080	
Hailar	HIA	Nei Monggol Zizhiqu,China	49.2667N	119.7420E	610	From 1987-03-01
Hailey	HL-ID	Idaho,U.S.A.	43.6472N	114.2506W	1890	From 1961-10-14 to 1964-03-07
Hailey	HL-	Idaho,U.S.A.	43.6472N	114.2506W	1890	From 1961-10-14 to 1964-03-07
Hailey	HL2ID	Idaho,U.S.A.	43.5618N	114.4149W	1784	
Hailey	HLID	Idaho,U.S.A.	43.5625N	114.4138W	1772	
Hailey	HL2	Idaho,U.S.A.	43.5618N	114.4149W		From 1964-03-01 to 1967-12-31
Haileybury School of Mines	HSMO	Ontario,Canada	47.3708N	79.6657W	306	From 2005-07-20
Hailstone	HLJ	Utah,U.S.A.	40.6103N	111.4000W	1926	From 1992-10-22
Haines Junction	HYT	Yukon Territory,Canada	60.8250N	137.5040W	1416	
Haiwee	HAI	California,U.S.A.	36.1367N	117.9470W	1150	From 1929-09-11 to 1965-10-27
Haiwee Spring South	HWSM	California,U.S.A.	36.1050N	117.7610W	1436	From 1975-09-26
Haiwe Spring S	WHSM	California,U.S.A.	36.1050N	117.7610W	1436	From 1975-09-26
Hajjah	HAJJ	Yemen	15.6990N	43.5990E	1650	From 1994-11-01
Hakkari	HKR	Turkey	37.5780N	43.7408E	1750	From 2004-06-18
HAKKARI	HAKT	Turkey	37.5579N	43.7071E	2153	From 2005-07-04
Hakodate	HAK	O shima,Japan	41.8150N	140.7583E	35	
Hakodate 2	HAKJ	O shima,Japan	41.8333N	140.7783E	80	From 1992-02-25
Hakui	JJH	Ishikawa,Japan	36.9250N	136.7817E	35	
Halaksitan	HLD	Djibouti	11.5965N	42.4323E	-75	From 1979-09-23
Halanga-Turnu Severin	RMGR	Romania	44.6627N	22.6922E	113	From 2008-08-29
Haldarsvik	FHV	Faeroe Islands	62.2597N	7.0984W		
Haleakala	HLK	Hawaii,U.S.A.	20.7583N	156.2479W	2132	From 1958-09-01
Haleakala	HKL	Hawaii,U.S.A.	20.7106N	156.2590W	3051	From 1975-01-01
Hale Pohaku	HPU	Hawaii,U.S.A.	19.7808N	155.4580W	3396	From 1969-08-18
Halifax	HAL	Nova Scotia,Canada	44.6377N	63.5920W	64	From 1915-01-01
Halim	HALM	Morocco	31.7680N	9.4700W	0	
Hallabat	HLBJ	Jordan	32.0775N	36.3025E	827	From 1987-01-01
Halle	HLE	Sachsen-Anhalt,Germany	51.4979N	11.9569E	92	
Hallett	HTT	South Australia,Australia	33.4306S	138.9220E	708	From 1962-06-01
Halley Bay	HBA	Coats Land	75.5167S	26.6000W		
Hall Mountain, Copeland	A11A	Idaho,U.S.A.	48.9580N	116.3631W	1455	From 2006-10-10 to 2008-06-12
Halls	HALT	Tennessee,U.S.A.	35.9106N	89.3395W	85	
Hall's Lagoon	HLA	New South Wales,Australia	33.5226S	150.9160E	27	
Hallstavik	HVK	Sweden	60.0090N	18.5660E	20	From 1980-01-01 to 1991-12-31
Haltingen (BS)	HALTI	Switzerland	47.6069N	7.5933E	-295	From 2006-10-01
Hamada	HMD	Shimane,Japan	34.8933N	132.0730E	21	
Hamaker Mountain	HAMO	Oregon,U.S.A.	42.0690N	121.9710W	1999	From 1993-10-06
Hamakita	JHMK	Shizuoka,Japan	34.8162N	137.7587E	-700	From 2002-01-01
Hamamatsu	HMM	Shizuoka,Japan	34.7067N	137.7233E	33	
Hamamatsu 2	HMMJ	Shizuoka,Japan	34.8558N	137.7215E	150	From 1989-03-25
Hambach	BD05	Nordrhein-Westfalen,Germany	50.9366N	6.4832E	90	From 2001-01-01
Hambach Funkstation	BD08	Nordrhein-Westfalen,Germany	50.8842N	6.5017E	114	From 2001-01-01
Hamburg	HAM	Hamburg,Germany	53.4651N	9.9248E	30	From 1905-01-01
Hamburg	HMB	New York,U.S.A.	42.6545N	78.8525W	290	From 1971-09-01 to 1976-07-28
Hamelton Butte	VHBM	Oregon,U.S.A.	42.7858N	121.3490W	1945	
Hamer Butte	HID	Idaho,U.S.A.	43.9631N	112.1640W	1527	From 1979-08-24 to 1999-08-25
Hamilton	HML	Ontario,Canada	43.2500N	79.8500W		
Hamilton	HMT	Alaska,U.S.A.	60.3365N	144.2610W	620	From 1977-06-01
Hamilton	HNY	New York,U.S.A.	42.8318N	75.5148W	500	From 1974-07-01 to 1978-08-31
Hamilton Opening	GHOM	California,U.S.A.	39.0444N	123.5400W	687	
Hamilton Ranch	HMR	California,U.S.A.	38.1547N	121.8003W	65	From 1971-04-29
Hamilton Ranch, Breckenridge	133A	Texas,U.S.A.	32.6083N	98.9162W	418	From 2009-11-12
Hamley Bridge	HML1	South Australia,Australia	34.4034S	138.5889E	73	From 2007-03-28
Hamman Mousa	HAMM	Egypt	28.2763N	33.5778E		
Hammer	RHAM	Bayern,Germany	47.8040N	12.7200E	799	From 2001-04-09
Hammerfest	HAMF	Norway	70.6424N	23.6843E	105	From 2010-06-11
Hammernes	N1R5	Norway	66.3870N	14.0330E	62	
Hamm, Michael-Ende-School	HMES	Nordrhein-Westfalen,Germany	51.6578N	7.7263E	56	From 2004-08-01
Hamra	HMRJ	Jordan	32.0450N	36.3110E	708	
Hamren	HMNA	Assam,India	25.9233N	92.6083E		From 1985-01-01
Hamta	HMTJ	Jordan	32.2208N	35.8122E	550	From 1983-09-01 to 1984-09-30
Hanceville	HVA	Alabama,U.S.A.	34.0264N	86.7692W	195	
Handcock Road	HRRZ	North Island,New Zealand	38.3919S	176.2836E	590	From 2007-03-23
Haney	HNB	British Columbia,Canada	49.2744N	122.5790W	185	From 1980-06-20
Haney	HYC	British Columbia,Canada	49.2656N	122.5730W	150	From 1975-09-01 to 1980-07-04
Hanford	HAWA	Washington,U.S.A.	46.3925N	119.5326W	364	
Hanford	HAN	Washington,U.S.A.	46.6033N	119.4670W	329	
Hanford Gable Butte	HGB	Washington,U.S.A.	46.5977N	119.4620W	165	
Hanimaadhoo	HMDM	Maldives	6.7731N	73.1822E	0	From 2008-01-22
Hanita	HNTI	Israel	33.0830N	35.1740E	301	
Hanksville Airport, Hanksville	R17A	Utah,U.S.A.	38.4187N	110.7109W	1357	From 2007-06-26 to 2009-03-10
Hannah	HH-	Montana,U.S.A.	48.9481N	98.6925W	1100	From 1963-07-22 to 1964-08-05
Hannah	HH-ND	Montana,U.S.A.	48.9481N	98.6925W	488	From 1963-07-22 to 1964-08-05
Hannah	HH2	North Dakota,U.S.A.	48.9442N	98.6822W	488	From 1966-05-23
Hannah	HH2ND	North Dakota,U.S.A.	48.9442N	98.6822W	488	From 1966-05-23
Hanning Flat	WHFM	California,U.S.A.	35.6962N	118.3490W	902	
Hanno	JHU	Saitama,Japan	35.8517N	139.2817E	245	
Hanoi	HNV	Vietnam	21.0481N	105.7970E	6	
Hanover	HNH	New Hampshire,U.S.A.	43.7053N	72.2856W	180	From 1975-06-15
Han Pijesak,BIH	HAPS	Bosnia and Herzegovina	44.0872N	18.9507E	1190	
Hansel Valley	HVU	Utah,U.S.A.	41.7797N	112.7750W	1609	
Hans M'sky res	HMSA	South Africa	23.7288S	30.6680E	474	
Hans Werner Braun Residence, San Diego	HWB	California,U.S.A.	33.0262N	116.9596W	478	
Hanur-Agry	AGRB	Turkey	39.5755N	42.9920E	1820	From 2006-11-21
HAPCHEON	KSHAC	South Korea	35.5572N	128.1699E	33	From 2000-12-05
Happy Creek Ranch, Winnemucca	M08A	Nevada,U.S.A.	41.4483N	118.3792W	1288	From 2006-02-14 to 2008-04-02
Haql	HAQS	Saudi Arabia	29.0500N	34.9200E	320	
Haql	HQL	Saudi Arabia	29.2700N	35.0469E	285	From 1986-01-01
Harad	HRAD	Yemen	16.4167N	43.0500E	0	
Harads	HARU	Sweden	66.1635N	20.9752E	105	From 2006-09-19
Harare	HARE	Zimbabwe	17.7000S	31.0100E	1501	
Harbor Island ANSS-SMO	HART	Washington,U.S.A.	47.5838N	122.3501W	2	From 2005-02-09
Harding Lake	HDA	Alaska,U.S.A.	64.4058N	146.9540W	450	From 1977-09-01
Hard Times	NEV	Nevis,Saint Kitts and Nevis	17.1361N	62.5710W	244	From 1980-07-09
Hardware Ranch	HRUT	Utah,U.S.A.	41.6073N	111.5650W	1720	
Hardware Ranch	HWUT	Utah,U.S.A.	41.6069N	111.5652W	1830	
Hargill	035Z	Texas,U.S.A.	26.4630N	98.0683W	19	From 2010-01-09
Harich	HARI	Armenia	40.6080N	44.0000E	1980	From 1994-11-01
Harlan Ranch	PHAM	California,U.S.A.	35.8360N	120.3980W	455	
Harlequin Lake	HQN	Alaska,U.S.A.	59.4517N	138.8770W	372	From 1974-10-01
Harlowton	E18A	Montana,U.S.A.	46.5663N	109.9137W	1459	From 2007-09-14 to 2009-09-08
Harmony Heights	HHI	Idaho,U.S.A.	46.4757N	116.1470W	636	From 1971-10-01 to 1974-07-15
Harness Mountain	HSO	Oregon,U.S.A.	43.5258N	123.0900W	1020	From 1990-09-20

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Haroharo	HARZ	North Island,New Zealand	38.0911S	176.5019E	740	From 1992-06-15 to 2004-04-30
Harold F. Ross	AHRM	California,U.S.A.	38.8543N	121.0700W	345	From 1976-01-29
Harpers Horsepen, Conroe	538A	Texas,U.S.A.	30.2219N	95.4900W	59	From 2010-01-28
Harrah City Hall	OK007	Oklahoma,U.S.A.	35.4877N	97.1612W	325	
Harre	HARN	Nepal	28.4200N	81.6700E	1230	
Harrisburg	HBAR	Arkansas,U.S.A.	35.5550N	90.6572W	74	
Harrisburg (Southeastern Illinois College)	HAIL	U.S.A.	37.7527N	88.4373W	123	
Harrisonburg	HBV	Virginia,U.S.A.	38.4383N	78.8725W	411	From 1971-06-01
Harrison Lake South	HLSB	British Columbia,Canada	49.2836N	121.7249W	18	
Harrison Mills	HRMB	British Columbia,Canada	49.2446N	121.9391W	3	
Harrison Substation	HAO	Oregon,U.S.A.	45.5092N	122.6567W	18	
Harris Ranch	HRC	California,U.S.A.	36.7700N	121.4130W	228	
Harsova	HARR	Romania	44.6900N	27.9310E	118	
Hartford	HAR	Connecticut,U.S.A.	41.7500N	72.6833W		From 1947-01-01 to 1954-12-31
Hartland	HTL	England,United Kingdom	50.9944N	4.4850W	91	From 1981-05-01
Harts Bluff	HBF	South Carolina,U.S.A.	32.9331N	80.3777W	10	From 1973-03-23
Hartsel	Q23A	Colorado,U.S.A.	38.9045N	105.8337W	2774	From 2008-06-25
Harvey Farm, Monticello	S19A	Utah,U.S.A.	37.7459N	109.1366W	2059	From 2007-06-23 to 2009-03-06
Hasanabad	IHSB	Iran	35.4378N	51.2757E	1119	From 1996-01-01
Hashikami	HSH	Iwate,Japan	40.4117N	141.5830E	355	
Hashim	HSHJ	Jordan	29.4210N	35.4000E	1100	From 1989-09-04
Hashtrud	IHSH	Iran	38.3067N	47.2630E	2805	From 1995-08-01
Haskell	Z32A	Texas,U.S.A.	33.3066N	99.4783W	427	From 2009-03-10
Hasliberg/Brienz	HASLI	Switzerland	46.7568N	8.1512E	1280	From 1999-03-01
Hassan Addkhil	HAD	Morocco	31.9950N	4.4550W	1124	
Hassela	HASU	Sweden	62.1532N	16.6136E	100	From 2000-04-13
Hasselmere	SFH	England,United Kingdom	51.0604N	0.6912W	260	
Hastings	HT-	Minnesota,U.S.A.	44.8528N	92.8778W	274	From 1962-08-02 to 1962-10-05
Hastings	HT-MN	Minnesota,U.S.A.	44.8528N	92.8778W	274	From 1962-08-02 to 1962-10-05
Hastings	HAS	North Island,New Zealand	39.6333S	176.8830E	11	From 1931-01-01 to 1947-12-31
Hastings Reserve	HAST	California,U.S.A.	36.3887N	121.5514W	542	From 2004-07-19 to 2007-09-02
Hastings State Park	BHSM	California,U.S.A.	36.3558N	121.5400W	646	From 1975-09-04
Hata	HATH	Aomori,Japan	41.3011N	140.9643E	180	
Hatay	HTY	Turkey	36.1212N	36.1378E	84	
Hatchie Coon Island	HCI	Arkansas,U.S.A.	35.6950N	90.3450W	67	
Hat Creek	LHCM	California,U.S.A.	40.8050N	121.5140W	1020	
Hat Creek Radio Observatory, Hat Creek	HATC	California,U.S.A.	40.8161N	121.4612W	1013	From 2005-05-19 to 2007-09-07
Hateruma jima	HATJ	Ryukyu Islands,Japan	24.0567N	123.8050E	15	From 1992-02-24
Hatgal	HTG	Mongolia	50.4600N	100.1700E	1680	
Hathaway	HAWT	Missouri,U.S.A.	36.2256N	89.6596W	81	
Hatillo	SDD06	Dominican Republic	19.0363N	70.2135W	240	
Hat Mesa	HTMS	New Mexico,U.S.A.	32.4725N	103.6340W	1192	From 1991-01-01
Hatta, Dubai	HATD	United Arab Emirates	24.8257N	56.1321E	340	From 2006-05-17
Hattorf	HAT	Hessen,Germany	50.8297N	9.9442E	-592	From 1980-01-01
Haudompre	HAU	Lorraine,France	48.0056N	6.3481E	577	
Hauiti	HIZ	North Island,New Zealand	38.5147S	174.8554E	266	From 2004-02-09
Haukadalur	IHAU	Iceland	63.9690N	19.9650W	96	From 1989-12-08
Haulerwijk	HWF2	Netherlands	53.0710N	6.3512E	-93	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF4	Netherlands	53.0710N	6.3512E	-193	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF	Netherlands	53.0718N	6.3516E	6	
Haulerwijk	HWF3	Netherlands	53.0710N	6.3512E	-143	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF1	Netherlands	53.0710N	6.3512E	-43	From 2010-11-24 to 2010-11-24
Haus	N2B5	Norway	61.9220N	5.5850E	30	
Hausauer Farms, Kief	C28A	North Dakota,U.S.A.	47.7157N	100.3871W	524	From 2009-08-13
Hausen	HSND	Baden-Wurttemberg,Germany	48.3042N	9.1938E	709	From 1982-01-01
Hauterive	HTQ	Quebec,Canada	49.1917N	68.3939W	123	From 1982-04-15
Havelock North	HNHZ	North Island,New Zealand	39.6653S	176.8812E	10	From 1989-08-05 to 1997-08-04
Havelock North	HNZ	North Island,New Zealand	39.6833S	176.8830E	18	From 1947-01-01 to 1953-12-31
Haverah Park	HPK	England,United Kingdom	53.9581N	1.6241W	227	From 1978-01-01
Haverstraw	HAVE	New York,U.S.A.	41.2325N	74.1113W	268	
Havilah	WHVM	California,U.S.A.	35.5099N	118.5190W	971	
Havilah	HAV	California,U.S.A.	35.5100N	118.5170W	990	From 1952-07-01 to 1952-09-04
Havirov	HAVC	Czech Republic	49.7630N	18.4770E	0	
Havre	HV-	Montana,U.S.A.	48.4222N	109.8222W	884	From 1965-10-25 to 1967-12-10
Havre	HV-MA	Montana,U.S.A.	48.4222N	109.8222W	884	From 1965-10-25 to 1967-12-10
Havza	HAVZ	Turkey	41.0743N	35.7180E	575	From 2008-12-04
Hawaii-2 Observatory	H2O	North Pacific Ocean	27.8819N	141.9917W	-4947	
HawaiianBeaches	HBH	Hawaii,U.S.A.	19.5315N	154.8980W	92	
Hawaiian Volcano	HVO	Hawaii,U.S.A.	19.4233N	155.2930W	1240	From 1912-01-01
HAWAII INFRASONIC ARRAY REFERENCE POINT	I59US	Hawaii	19.5915N	155.8936W	1076	From 2001-02-20
Hawaii Institute of Geophysics	HIG	Hawaii,U.S.A.	21.2847N	157.8190W	18	From 1964-05-01
Hawaii Isl. Ar.	HW-IS	Hawaii,U.S.A.	19.9803N	155.7056W	705	From 1963-07-24 to 1964-10-22
Hawaii Isl. Ar.	HW-	Hawaii,U.S.A.	19.9803N	155.7056W	705	From 1963-07-24 to 1964-10-22
Hawaii Preparatory Academy	HPAH	Hawaii,U.S.A.	20.0303N	155.6973W	755	
Haweek	HAWK	Syria	34.5211N	36.4055E	1000	From 1995-09-01
Hawker	HKER	South Australia,Australia	31.7642S	138.5524E	440	
Hawk's Nest	HWKN	South Australia,Australia	29.9578S	135.2035E	180	From 1981-06-22
Hawks Nest	HKN	South Australia,Australia	30.0117S	135.1867E	171	
Hawk Springs	HK-WY	Wyoming,U.S.A.	41.6958N	104.3569W	1494	From 1962-07-17 to 1962-10-05
Hawk Springs	HK-	Wyoming,U.S.A.	41.6958N	104.3569W	1494	From 1962-07-17 to 1962-10-05
Hawqa	HWQ	Lebanon	34.2780N	35.9463E	1161	From 2001-02-01
Hayfield	HAY	California,U.S.A.	33.7074N	115.6839W	413	From 1956-06-20
Hayfork Bally	KHBM	California,U.S.A.	40.6602N	123.2190W	1885	
Hayseed and Buckwheat Dairy Farm	HBDB	British Columbia,Canada	49.1697N	122.2135W	6	
Hay Springs	HS-	Nebraska,U.S.A.	42.4256N	102.7144W	1158	From 1962-05-09 to 1962-06-28
Hay Springs	HS-NB	Nebraska,U.S.A.	42.4256N	102.7144W	1158	From 1962-05-09 to 1962-06-28
Haystack Butte	HYS	California,U.S.A.	34.8638N	117.5690W	867	
Haystack Fork	HAYW	Wyoming,U.S.A.	43.6396N	110.3320W	2835	From 1990-09-01 to 2007-08-07
Haystack Lookout	HTW	Washington,U.S.A.	47.8035N	121.7690W	829	From 1975-06-11
Hayter Ranch, Fort Stockton	427A	Texas,U.S.A.	30.8498N	103.4018W	1031	From 2008-03-16 to 2010-02-12
Hayti	HATI	Missouri,U.S.A.	36.1770N	89.6760W	83	
Hazelwood Elementary School	RHAZ	Washington,U.S.A.	47.5405N	122.1857W	10	
Headley	HEA	England,United Kingdom	51.3583N	1.2639W	114	
Headquarters	HDQ	Colorado,U.S.A.	39.5583N	105.0790W	1683	From 1973-01-01 to 1976-11-30
Healdsburg	NHBM	California,U.S.A.	38.5893N	122.9090W	165	From 1975-02-21
Heard Island	HII	Heard Island	53.0200S	73.3850E	10	
Hearst Castle	PHCM	California,U.S.A.	35.6822N	121.1530W	514	
Hebbronville	034A	Texas,U.S.A.	27.0647N	98.6833W	155	From 2010-01-08
Heber	HEB	Utah,U.S.A.	40.5015N	111.3358W	1925	
Heber	HR-	Arizona,U.S.A.	34.6697N	110.7664W	1875	From 1964-07-10 to 1965-10-04
Heber	HR-AZ	Arizona,U.S.A.	34.6697N	110.7664W	1875	From 1964-07-10 to 1965-10-04
Hebgen Ridge	YPHR	Idaho,U.S.A.	44.8523N	111.3160W	2060	
Hebron	O33A	Nebraska,U.S.A.	40.0755N	97.5845W	480	
Hector,Ludlow	HEC	California,U.S.A.	34.8300N	116.3300W	920	From 2004-04-01
Heda	HDAN	Shizuoka,Japan	34.9620N	138.8201E	250	
Heda	HEDN	Shizuoka,Japan	34.9591N	138.8126E	160	
Hedekas	HED	Sweden	58.6800N	11.7780E	78	From 1980-01-01 to 1991-12-31
Heerlen	HEE	Netherlands	50.8850N	5.9817E	115	From 1926-04-18 to 1981-01-01
Hefner Road	OK003	Oklahoma,U.S.A.	35.5493N	97.3358W	354	
Hegura jima	JHG	Ishikawa,Japan	37.8483N	136.9200E	12	
Heguri	JHE	Nara,Japan	34.6535N	135.6850E	260	
Hehuan Shan	WHF	Taiwan region	24.1450N	121.2650E	3395	
Heidelberg (Koenigstuhl)	HEI	Baden-Wurttemberg,Germany	49.3991N	8.7274E	560	From 1959-01-01
Heidenheim-Charlottenhoehle	HDH	Baden-Wurttemberg,Germany	48.5843N	10.2070E	501	From 1996-01-01
Heiheiahulu	HUL	Hawaii,U.S.A.	19.4188N	154.9790W	369	
Heimansgroeve	HGN	Netherlands	50.7640N	5.9317E	135	From 1993-03-01
Heimerzheim	BA15	Nordrhein-Westfalen,Germany	50.7117N	6.9275E	157	From 2006-10-01
Heinrich-Robert Mine	HRH	Nordrhein-Westfalen,Germany	51.6234N	7.7527E	-888	
Heinsberg	BA13	Nordrhein-Westfalen,Germany	51.0707N	6.0753E	42	From 2006-10-01
Heioarbar	IHEI	Iceland	64.2000N	21.2360W	162	From 1989-12-13
Hejung	EHC	Taiwan region	24.2680N	121.7330E	11	
Hel	PHL	Poland	54.6080N	18.8170E	1	
Helez	HLZ	Israel	31.6000N	34.6400E	100	
Helgoland	HLG	Schleswig-Holstein,Germany	54.1847N	7.8839E	41	
Hella	IHLA	Iceland	65.9440N	18.3870W	37	From 1995-02-01
Hells Half Acre	HHAI	Idaho,U.S.A.	43.2950N	112.3790W	1391	
Helmville	HLM	Montana,U.S.A.	46.8894N	112.9330W	1365	From 1974-09-03 to 1976-10-04
Helsinki	HEL	Finland	60.1756N	24.9570E	20	
Helvecia	HSFA	Santa Fe,Argentina	31.1028S	60.1108W	55	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Helwan	HLW	Egypt	29.8583N	31.3417E	116	From 1903-01-01
Hemet	HMTC	California,U.S.A.	33.7088N	117.0039W	582	
Hempstead	HE-TX	Texas,U.S.A.	30.1997N	96.0919W	67	From 1963-07-25 to 1964-03-16
Hempstead	HE-	Texas,U.S.A.	30.1997N	96.0919W	67	From 1963-07-25 to 1964-03-16
Hemsoen	HEMU	Sweden	62.6760N	18.0359E	100	From 2000-04-13
Hendek	HENT	Turkey	40.8231N	30.8992E	583	
Henderson Mound	HENM	Missouri,U.S.A.	36.7160N	89.4717W	88	
Hengchuen, Pingtung county	TSEB	Taiwan region	21.9000N	120.9000E	0	From 2005-01-01
Hengchun	HEN	Taiwan region	22.0055N	120.7381E	22	
Hengchun	TWK1	Taiwan region	21.9433N	120.8053E	90	From 1978-01-15
Heniu Mare	HNM	Romania	47.2775N	24.7339E	1580	From 1982-09-01 to 1989-01-01
Henry Mountain	HMU	Utah,U.S.A.	37.9380N	110.7418W	2430	From 2005-11-17
Heoinshofoi	IHED	Iceland	66.0810N	17.3100W	75	From 2000-09-25
Hepburn Lake, NWT	HPLN	Northwest Territories,Canada	66.3485N	115.3232W	479	From 2009-07-16
Heping Village	EHP	Taiwan region	24.3100N	121.7410E	200	From 2001-05-01
Hepp	HPP	Alaska,U.S.A.	64.7905N	147.9590W	170	From 1971-11-09 to 1976-06-30
Heraklion	IACM	Crete,Greece	35.3058N	25.0709E	43	From 2009-11-28
Herceg Novi	HCY	Montenegro	42.4473N	18.4938E	321	From 1983-12-25
Hercules	HERB	California,U.S.A.	38.0124N	122.2622W	-18	
Herd Peak	LHEM	California,U.S.A.	41.6285N	122.2190W	2155	From 1981-01-15
Heredia	HDC	Costa Rica	10.0013N	84.1140W	1150	From 1984-03-17
Heredia 2	HDC2	Costa Rica	10.0237N	84.1167W	1220	From 1985-01-01
Hereke	HRT	Turkey	40.8217N	29.6680E	645	From 1980-01-01
Heris	IHRS	Iran	38.3183N	47.0420E	2100	From 1995-08-01
Herkenbosch	HKB	Netherlands	51.1889N	6.1684E	74	
Hermanus	HER	Cape Province,South Africa	34.4250S	19.2250E	26	
Hermiston	HRO	Oregon,U.S.A.	45.8357N	119.3810W	172	
Hernandez Reservoir, Idria	U04C	California,U.S.A.	36.3627N	120.7828W	812	From 2004-12-05 to 2007-12-11
Hernandez Valley	PHRM	California,U.S.A.	36.3730N	120.8190W	750	From 1969-11-26
Hernandez Valley	HVC	California,U.S.A.	36.3730N	120.8190W	750	From 1969-11-26
Hernando Brdge	HDBT	Tennessee,U.S.A.	35.1534N	90.0581W	66	
Herne Bay Borehole	HBAZ	North Island,New Zealand	36.8501S	174.7304E	20	From 2009-08-06
Heron Place, Grans Saline	137A	Texas,U.S.A.	32.5973N	95.7559W	141	From 2010-02-24
Herstmonceux	HMNX	England,United Kingdom	50.8674N	0.3363E	26	From 2009-05-16
Hetta	HEF	Finland	68.4080N	23.6600E	380	From 2006-11-01
Heukewalde	HKWD	Thuringen,Germany	50.8298N	12.2681E	317	From 2008-05-06
Heuksando	KSHUK	South Korea	34.6838N	125.4518E	79	From 1999-04-18
Hexham	HEXM	Victoria,Australia	37.9280S	142.7780E	220	
Hiawatha	HWK	Kansas,U.S.A.	39.8022N	95.4965W	320	From 1978-10-05 to 2001-07-15
Hibok Hibok	VHH	Mindanao,Philippines	9.2330N	124.6720E	250	From 1993-01-01
Hickman	HICK	Kentucky,U.S.A.	36.5409N	89.2288W	141	
Hicks Bay	HBZ	North Island,New Zealand	37.5992S	178.3010E		From 1985-07-26 to 2004-03-01
Hicks Ranch, Ibapah	O13A	Utah,U.S.A.	40.1314N	113.9814W	1573	From 2007-02-21 to 2008-09-01
Hidaka	HDK	Wakayama,Japan	33.9259N	135.1390E	30	From 1965-01-01 to 1974-04-03
Hidaka-Cho	HIC	Hidaka,Japan	42.8915N	142.4573E	330	From 1976-07-01
Hidalgo Marine Base	HDB	California,U.S.A.	34.4008N	116.2874W	875	
Hidalgo Mountain	HDG	California,U.S.A.	34.4289N	116.3058W	1302	From 1974-04-01 to 2010-04-28
Hidden Bay	AD4	Alaska,U.S.A.	51.6986N	176.6320W	213	From 1974-01-01 to 1992-02-01
Hidden Lake	HKP	Pennsylvania,U.S.A.	41.0382N	75.0617W	337	From 1973-02-01 to 1974-07-31
Hierbabuena	HIER	Ecuador	2.7200S	79.4200W	2800	
Hierro	EHRO	Spain	27.7535N	18.1106W	135	
Higginbotham Farm, Almira	C08A	Washington,U.S.A.	47.7849N	119.0454W	783	From 2006-09-21 to 2008-05-14
Highclere	BDH	Barbados	13.2030N	59.5890W	308	From 1978-11-19
Highcliff Hill	HHSZ	South Island,New Zealand	45.8860S	170.5977E	375	From 2006-04-08
High Heaven	VHHM	Oregon,U.S.A.	45.2647N	123.3090W	533	
High Hole Crater	LHHM	California,U.S.A.	41.5228N	121.5325W	1890	
High Hoyland	HHWY	England,United Kingdom	53.5867N	1.5974W	205	
Highland	HLNC	California,U.S.A.	34.1213N	117.2190W	236	
Highland Ranch	HLR	Colorado,U.S.A.	39.5372N	104.9740W	1782	From 1973-01-01 to 1976-11-30
Highland Springs	GHLM	California,U.S.A.	39.0405N	123.0190W	956	From 1975-06-01
Highlands Station	HLRZ	North Island,New Zealand	38.2537S	176.3520E	576	From 2008-12-03
High Level	HILA	Alberta,Canada	58.5561N	117.0203W	329	From 2009-10-19
Highline Community College ANSS-SMO	HICC	Washington,U.S.A.	47.3899N	122.2991W	115	From 2001-06-27
High Valley	GHVM	California,U.S.A.	39.0850N	122.7340W	1036	
Higuera	EHIG	Spain	28.5567N	17.8062W	845	
Hikami	HMTD	Hyogo,Japan	35.2265N	135.0435E	250	
Hikimi	JHIK	Shimane,Japan	34.5313N	131.9292E	350	From 1997-12-01
Hikinohira	HIKD	Kagoshima,Japan	31.5803N	130.6439E	550	
Hikone	HIK	Shiga,Japan	35.2733N	136.2470E	87	
Hilina Pali	HLP	Hawaii,U.S.A.	19.2993N	155.3100W	707	From 1970-09-01
Hillesheim	HILG	Rheinland-Pfalz,Germany	50.2918N	6.6788E	500	From 1998-01-01
Hilltop Ranch, Iowa Park	Y33A	Texas,U.S.A.	34.0081N	98.6256W	321	From 2009-11-08
Hilo	HIL	Hawaii,U.S.A.	19.7178N	155.0878W	26	From 1922-01-01 to 2000-11-09
Hilton Creek	HTCR	California,U.S.A.	37.5298N	118.7710W	3012	From 1984-07-19
Himeji	HIM	Hyogo,Japan	34.8367N	134.6733E	39	
Himekami	HMK	Iwate,Japan	39.8483N	141.2467E	586	
Hinai	JAH	Akita,Japan	40.1887N	140.6358E	140	
Hinchinbrook Island	HIN	Alaska,U.S.A.	60.3968N	146.5020W	611	From 1974-10-03
Hinckley	HKM	Maine,U.S.A.	44.6564N	69.6408W	79	
Hindmarsh Valley	HMV1	South Australia,Australia	35.4903S	138.6369E	96	From 2008-12-28
Hinemaiaia	HATZ	North Island,New Zealand	38.8922S	176.0920E	492	From 1985-05-01
Hines	J07A	Oregon,U.S.A.	43.3736N	119.3105W	1273	From 2006-06-20 to 2008-04-04
Hinesburg	HBVT	Vermont,U.S.A.	44.3623N	73.0650W	342	
Hingarae	HITZ	North Island,New Zealand	38.7086S	175.7660E	458	From 1984-12-01 to 1991-06-21
Hinohara	HHR	Tokyo,Japan	35.7353N	139.0764E	595	
Hino-misaki	HNMJ	Wakayama,Japan	33.8811N	135.0661E	191	
Hinteralfeld	HINF	Lorraine,France	47.8167N	6.8531E	720	From 1996-04-03
Hinton	HWV	West Virginia,U.S.A.	37.5906N	80.8408W	521	From 1978-04-01 to 1998-12-31
Hinze Dam	HINZ	Queensland,Australia	28.0511S	153.2807E	140	
Hiratsu	HRTT	Yamagata,Japan	39.0100N	139.9400E	40	
Hirodai	HRD	Aomori,Japan	40.5842N	140.4773E	50	
Hirogawara	HRG	Shizuoka,Japan	35.1584N	139.0586E	285	
Hiroka	JHK	Fukushima,Japan	37.2483N	139.0170E	195	From 1994-04-01
Hiroo	HOO	Tokachi,Japan	42.2917N	143.3200E	32	
Hiroo 2	HOOJ	Tokachi,Japan	42.3833N	143.2870E	-1	
Hiroshima	HIR	Hiroshima,Japan	34.3633N	132.4370E	30	From 1935-01-01
Hiroshima	HIR1	Hiroshima,Japan	34.3950N	132.4650E	-4	From 1987-12-23
Hiroshima 2	HIRJ	Hiroshima,Japan	34.4283N	132.5650E	412	From 1988-03-22
Hirz Mountain	LHMM	California,U.S.A.	40.8968N	122.2450W	1064	
Hisarcik	HIS	Turkey	40.4687N	29.9313E	970	From 1993-01-01
Hisarkoy	HSY	Cyprus	35.1734N	33.0552E	257	From 2005-05-11
Hitachi	JHO	Tochigi,Japan	36.6108N	140.5690E	215	From 1995-04-01
Hittiya	HITJ	Jordan	29.7430N	35.8410E	1235	From 1989-10-29
Hiyama	JHY	Hiyama,Japan	41.6777N	140.0573E	30	
H. Mason	HMO	Oregon,U.S.A.	45.5381N	122.5720W	64	From 1975-01-01
Hnaberd	HNAZ	Armenia	40.6330N	44.1440E	2150	
Hlnxe	BZER	Nordrhein-Westfalen,Germany	51.6207N	6.8695E	51	From 2004-12-08
Ho	HOGH	Ghana	6.6092N	0.4450E	372	From 1987-01-01
Hoa Binh	HBV2	Vietnam	20.7962N	105.3387E	80	
Hoa-Binh	HBVN	Vietnam	20.8259N	105.3520E	30	From 1979-07-27
Hoadley Peaks	LHOM	California,U.S.A.	40.6852N	122.7500W	1378	
Hoarfrost River	HFRN	Northwest Territories	62.8617N	109.2777W	153	From 2011-07-12
Hobart	HB-OK	Oklahoma,U.S.A.	35.1764N	98.9103W	491	From 1961-11-09 to 1963-04-10
Hobart	FNT	Tasmania,Australia	42.9265S	147.3540E	184	From 1957-01-01 to 1962-12-31
HOBART INFRASONIC ARRAY REFERENCE POINT	05AU	Tasmania	42.4908S	147.6806E	350	From 2003-03-29
Hobart Mills	HBM	California,U.S.A.	39.4017N	120.1530W	1804	From 1970-03-24 to 1973-04-30
Hobart Mills	HBT	California,U.S.A.	39.4267N	120.1630W	1804	From 1973-04-01
Hobart (Okla)	HB-	Oklahoma,U.S.A.	35.1764N	98.9103W	491	From 1961-11-09 to 1963-04-10
Hobbs	HHAR	Arkansas,U.S.A.	36.2817N	93.9399W	421	
Hochheid	FSH	Rheinland-Pfalz,Germany	50.0763N	7.1087E	350	
Hochneukirch	BD09	Nordrhein-Westfalen,Germany	51.0963N	6.4650E	88	From 2001-01-01
Hockley	HKT	Texas,U.S.A.	29.9500N	95.8333W	-415	From 1973-06-01
Hodge	HOD	California,U.S.A.	34.8389N	117.2475W	807	
Hodges Ranch	BHRM	California,U.S.A.	36.7278N	121.2640W	213	
Hof	HOF	Bayern,Germany	50.3136N	11.8775E	566	From 1909-01-01 to 2004-08-13
Hoffart Farm, Langdon	A30A	North Dakota,U.S.A.	48.9402N	98.3009W	484	From 2009-08-19
Hoffen	HOFF	Alsace,France	48.9417N	7.9639E	150	
Hogan Spring (BLM), Cisco	Q19A	Utah,U.S.A.	38.9553N	109.2630W	1283	From 2007-06-14 to 2009-04-26
Hogback Mountain	HOG	Oregon,U.S.A.	42.2424N	121.7057W	1887	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Hogback Ridge	GHGM	California,U.S.A.	39.1283N	122.8250W	903	From 1975-04-18
Hog Canyon	PHGM	California,U.S.A.	35.8760N	120.4840W	792	
Hoggard's Bluff	HOGG	Arkansas,U.S.A.	35.2216N	92.2410W	133	From 1985-08-01
Hogget Hill	HHP	South Island,New Zealand	44.3275S	170.3460E	490	From 1975-06-01 to 1983-11-21
Hogsback Ridge	HRU	Utah,U.S.A.	40.7862N	111.8848W	1640	
Hohbusch	HOBG	Nordrhein-Westfalen,Germany	50.9835N	7.3338E	270	From 1996-03-01
Hohenheim	HOH	Baden-Wurttemberg,Germany	48.7167N	9.2167E	396	From 1903-01-01 to 1934-01-31
Hohentengen	HTN	Baden-Wurttemberg,Germany	48.0293N	9.3784E	571	From 1984-01-01
Hohenwarte Talsperre	HWTS	Thuringen,Germany	50.5923N	11.4723E	555	From 2009-11-01
Hohe Rhon--Flad	HROE	Bayern,Germany	50.5366N	10.1574E	569	From 2002-12-10
Hohkeppel	HOK	Nordrhein-Westfalen,Germany	50.9803N	7.3122E	230	From 1976-06-01 to 1994-12-01
Hoima	HOI	Uganda	1.4180N	31.3420E	1094	From 1991-07-01
Hokigiyama	HOKE	Yamanashi,Japan	34.8488N	139.0413E	900	
Hokkaido University	HSS	Ishikari,Japan	42.9647N	141.2320E	215	
Hokoriku	HKJ	Fukui,Japan	35.9375N	136.2125E	20	
Hokuryu	JHR	Sorachi,Japan	43.7430N	141.7248E	195	
Holberg	HOLB	British Columbia,Canada	50.6405N	128.1320W	564	From 1991-08-01
Holcomb Ridge	HOLC	California,U.S.A.	34.4582N	117.8451W	1160	
Holdsworth Station	HOWZ	North Island,New Zealand	40.8991S	175.5149E	475	From 2007-04-20
Hole	HLX	Nevada,U.S.A.	39.9337N	117.6632W	1219	
Holguin	HOL	Cuba	20.8940N	76.2630W	350	
Holguin	HLGC	Cuba	20.8900N	76.0600W	350	From 1999-09-01
Holladay Fire Station, Holladay, Utah	HFSU	Utah,U.S.A.	40.6702N	111.8257W	1344	From 2010-08-17
Holland Mills	HMC	Quebec,Canada	45.7583N	75.6483W	175	
Holland Ranch, Erick	W31A	Oklahoma,U.S.A.	35.1864N	99.9435W	644	From 2009-03-22
Holland Ranch, North Fork	M11A	Nevada,U.S.A.	41.4311N	115.7912W	1849	From 2006-05-06 to 2008-08-11
Hollywood	HWD	South Carolina,U.S.A.	32.7388N	80.2835W	9	
Holman	HMNT	Northwest Territories,Canada	70.7631N	117.8058W	36	
Holmes Hill	YHH	Wyoming,U.S.A.	44.7883N	110.8505W	2717	
Holmfirth	LHO	England,United Kingdom	53.5451N	1.8548W	460	From 1991-01-01
Holstrom Ranch	JHLM	California,U.S.A.	37.1090N	121.8332W	908	From 1975-10-02
Holt	HLT	Alabama,U.S.A.	33.2223N	87.5077W	95	
Holter Research Foundation--Helena	HRF	Montana,U.S.A.	46.5943N	112.0440W	1256	
Holter Research Foundation--York Bridge	HRY	Montana,U.S.A.	46.7113N	111.8310W	1341	From 1980-11-08
Holt Ranch, Enterprise	S13A	Utah,U.S.A.	37.5808N	113.8604W	1698	From 2007-02-15 to 2008-10-09
Holy Cross	HCC	California,U.S.A.	36.9814N	121.7220W	159	From 1967-05-02 to 1975-10-12
Holy Mount Cemetery	HMCY	New York,U.S.A.	40.9648N	73.8032W	245	From 1985-12-01
Holy Rosary School	HOLY	Washington,U.S.A.	47.5654N	122.3839W	106	
Homack Ranch, Wilcox	118A	Arizona,U.S.A.	32.6399N	109.9697W	1440	From 2007-04-05 to 2009-01-21
Homborsund	HOMB	Norway	58.2702N	8.5052E	21	From 2008-11-20
Homer	HOM	Alaska,U.S.A.	59.6583N	151.6430W	198	From 1976-08-01
Homestead National Monument	HMN	Nebraska,U.S.A.	40.2864N	96.8356W	368	From 1979-03-10 to 2001-07-15
Homyel'	NE57	Belarus	52.6030N	31.0810E	129	
Honcut	OHCM	California,U.S.A.	39.3357N	121.4840W	79	From 1975-08-05
Hondo	HONK	Kumamoto,Japan	32.8761N	131.0780E	1167	
Hondo	JHD	Kumamoto,Japan	32.4650N	130.1368E	70	
Honeyville	HONU	Utah,U.S.A.	41.6100N	111.9170W	1515	From 1989-06-13
Hong Kong Observatory	HKC	Hong Kong,China	22.3020N	114.1743E	27	From 1921-10-01
Hong Kong Po Shan	HKPS	Hong Kong,China	22.2776N	114.1415E	196	From 2009-10-01
Hongo	HGJ	Tokyo,Japan	35.7156N	139.7630E	19	From 1965-05-01
Hongo	HNG	Tokyo,Japan	35.7111N	139.7660E	18	
Honiara	HNR	Solomon Islands,Papua New Guinea	9.4316S	159.9470E	72	From 1960-10-01
Honjo	HJH	Akita,Japan	39.3383N	140.1730E	136	From 1975-04-01
Honjo	HJY	Akita,Japan	39.3383N	140.1730E	136	From 1975-04-01
Honolulu	HNL	Hawaii,U.S.A.	21.3583N	157.8100W	243	From 1964-05-01 to 1974-12-31
Honolulu	HON	Hawaii,U.S.A.	21.3242N	158.0010W	2	From 1902-01-01
Honuapo	HPO	Hawaii,U.S.A.	19.0889N	155.5540W	15	
Hood Meadows East	VHEM	Oregon,U.S.A.	45.3287N	121.6740W	1739	
Hoodsport	HDW	Washington,U.S.A.	47.6485N	123.0540W	1006	
Hope	HOPB	British Columbia,Canada	49.3873N	121.4205W	248	
Hope	HOJ	Jamaica	18.0045N	76.7494W	179	From 1965-08-21
Hope Bay	HOP	Jamaica	18.0220N	76.7500W	200	From 1961-11-01 to 1965-06-30
Hopedale	HDIL	Illinois,U.S.A.	40.5560N	89.2940W	219	
Hopen	HOPEN	Svalbard,Norway	76.5100N	25.0100E	25	From 2004-09-01
Hope Point	HOPE	South Georgia Islands	54.2836S	36.4879W	20	
Hopland	HOPS	California,U.S.A.	38.9935N	123.0723W	299	From 1994-10-20
Hopovo Monastery	HOPOS	Serbia	45.1351N	19.8354E	310	From 2004-01-28
Hopper	HOPT	Tennessee,U.S.A.	36.3270N	89.4717W	125	
Hoqain	HOQ	Oman	23.5824N	57.3109E	350	From 2001-07-01
Horasan	HOMI	Turkey	40.0452N	41.9055E	2174	From 2006-09-18
Horco Molle	AHML	Tucuman,Argentina	26.7847S	65.3345W	670	From 1992-09-01
Horem	BA06	Nordrhein-Westfalen,Germany	50.9196N	6.7052E	73	From 2006-10-01
Hornachuelos	EHOR	Spain	37.8231N	5.2481W	160	From 1985-05-01
Hornachuelos	HORN	Spain	37.8466N	5.2582W	268	
Horndal	HRN	Sweden	60.2500N	16.4860E		From 1980-01-01
Hornillas	HORNC	Costa Rica	10.7125N	85.1783W	807	From 2000-01-01
Hornopire@15n	HOCH	Chile	41.9072S	72.4081W	165	
Hornsund	HSP	Svalbard,Norway	77.0082N	15.5504E		
Hornsund (broadband)	HSPB	Svalbard,Norway	77.0019N	15.5332E	10	
Horodok	HORU	Ukraine	49.2138N	26.4263E	340	From 2001-02-19
Horoka	HRK	Hokkaido,Japan	43.4663N	143.1287E	695	
Horominai	HORH	Iburi,Japan	42.4765N	140.9167E	235	
Horqueta	HOQC	Colombia	3.4680N	76.6337W	2220	From 1987-01-01
Horse Butte	YHB	Idaho,U.S.A.	44.7512N	111.1952W	2157	
Horse Canyon	HCU	Utah,U.S.A.	39.4883N	110.3450W	2134	From 1962-01-01 to 1977-03-31
Horsefly Mountain	VHYM	Oregon,U.S.A.	42.2645N	121.0490W	1932	
Horse Heaven Hills	HHH	Washington,U.S.A.	46.1717N	119.3840W	490	From 1987-03-01
Horse Mountain	KHMM	California,U.S.A.	40.8747N	123.7310W	1509	
Horse Pasture	SHEL	Saint Helena	15.9588S	5.7457W	537	From 1995-06-19
Horseshoe Bay	HBC	British Columbia,Canada	49.3775N	123.2760W		From 1951-01-01 to 1960-04-30
Horse Springs, Datil	Y20A	New Mexico,U.S.A.	33.9085N	108.3769W	2177	From 2008-02-10
Horse Wrangler Ranch, Akron	O26A	Colorado,U.S.A.	40.2422N	103.3128W	1413	From 2008-11-20
Horta	HOR	Azores,Portugal	38.5267N	28.6300W	60	
Horta de San Juan	ERTA	Spain	40.9567N	0.3335E	547	
Hortiatis	HORT	Greece	40.5978N	23.0996E	933	From 2006-07-12
Horyu	HRJ	Ishikawa,Japan	37.3994N	137.1360E	275	
Hoseineyeh	IHOS	Iran	32.6793N	48.2365E	0	From 1998-01-01
Hoshina	HSJ	Nagano,Japan	36.5841N	138.2740E	490	From 1968-07-21
Hoskins	DAW	New Britain,Papua New Guinea	5.5500S	150.4670E	250	From 1969-11-02 to 1970-12-31
Hososhima	JMH	Miyazaki,Japan	32.5717N	131.5883E	60	
Hossack Road	HSRZ	North Island,New Zealand	38.3113S	176.2449E	470	From 2010-04-13
Hot Caves	HTC	Hawaii,U.S.A.	19.2388N	155.4000W	381	
Hot Creek Range	HCR	Nevada,U.S.A.	38.2339N	116.4357W	2058	
Hotel Rinc^‡n de la Vieja Lodge	GPS2	Costa Rica	10.7525N	85.3520W	676	From 2000-01-01
Hotokeiwa	HTK	Nagano,Japan	36.3769N	138.5397E	1462	
Hot Spot	HSW	Washington,U.S.A.	46.5295N	119.5550W	217	From 1970-06-01 to 1971-10-31
Hot Springs	C13A	Montana,U.S.A.	47.6795N	114.5735W	976	From 2006-09-21 to 2009-08-04
Hot Springs Basin	YPHS	Wyoming,U.S.A.	44.7556N	110.3540W	2621	
Hot Springs Mountain	HOT	California,U.S.A.	33.3144N	116.5824W	1934	From 1976-01-01 to 2010-04-28
Houchin Ranch, La Veta	S24A	Colorado,U.S.A.	37.6407N	105.2126W	2672	From 2008-06-13
Houelmont	HMG	Guadeloupe	15.9823N	61.7000W	420	
Houlton	HN-	Maine,U.S.A.	46.1619N	67.9858W	213	
Houlton	HN-ME	Maine,U.S.A.	46.1619N	67.9858W	213	
Houlton	HNME	Maine,U.S.A.	46.1599N	67.9867W	209	
Hourglass Bar Ranch, Mountainair	X23A	New Mexico,U.S.A.	34.5810N	106.1881W	1948	From 2008-04-19
House Creek	GHCM	California,U.S.A.	38.6060N	123.1970W	518	From 1975-05-07
House Creek Ranch, Rogerson	L12A	Idaho,U.S.A.	42.1460N	115.0162W	1756	From 2006-12-21 to 2008-08-08
Houston	HOU	Texas,U.S.A.	29.7189N	95.4022W	5	
Houston--Electro-Tech	HET	Texas,U.S.A.	29.7200N	95.4699W	6	From 1961-01-01 to 1965-04-30
Hovd	HBD	Mongolia	48.0100N	91.6500E	1410	
Hoven	G29A	South Dakota,U.S.A.	45.1926N	99.9234W	588	From 2009-09-10
Howard	HD-	Pennsylvania,U.S.A.	40.9956N	77.5956W	369	From 1964-09-25 to 1965-01-25
Howard	HD-PA	Pennsylvania,U.S.A.	40.9956N	77.5956W	369	From 1964-09-25 to 1965-01-25
Howats Hill	BHH	Scotland,United Kingdom	55.0931N	3.2181W	216	
Howe Caverns	HCNY	New York,U.S.A.	42.6968N	74.3984W	273	
Howe Peak	HPI	Idaho,U.S.A.	43.7114N	113.0970W	2597	From 1972-10-01
Howes	H27A	South Dakota,U.S.A.	44.6329N	102.0775W	748	From 2009-06-10
Howe Scarp	HWSI	Idaho,U.S.A.	43.9222N	113.1060W	1740	From 1992-01-01
Howrah	HOW	West Bengal,India	22.4167N	88.3092E	3	From 1952-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Hoy	OHO	Orkney Islands,United Kingdom	58.8321N	3.2464W	172	From 1995-09-21
Hoyanger	HYA	Norway	61.1660N	6.1870E	30	From 1999-06-08
Hoyt Mine	HYX	Nevada,U.S.A.	39.7728N	117.7630W	1661	From 1980-01-01
Hoyt Peak	HTU	Utah,U.S.A.	40.6753N	111.2200W	2575	From 1974-11-01
Hraun	IHRN	Iceland	66.1100N	20.1230W	15	From 1996-08-30
Hsiaoliuchiu	TWP	Taiwan region	22.3460N	120.3625E	80	From 1978-01-02
Hsiaoliuchiu	WLCT	Taiwan region	22.3480N	120.3620E	38	
Hsinchu	HSN	Taiwan region	24.8022N	120.9696E	34	
Hsinkong	SGK	Taiwan region	23.1000N	121.3670E	36	
Hsinkong	HSI	Taiwan region	23.1000N	121.3670E	36	
Hsinying	TWK	Taiwan region	23.2667N	120.4880E	590	From 1974-07-19
Huajuapan	UTMO	Oaxaca,Mexico	17.8300N	97.8035W	1783	From 2003-11-18
Hualalai	HUH	Hawaii,U.S.A.	19.6875N	155.8390W	2189	From 1971-05-06
Hualan@16e@15	U65B	Maule,Chile	34.9642S	71.7886W	66	
Hualan@16e@15	GO05	Maule,Chile	35.0099S	71.9303W	488	
Hualapai Mountain Park, Kingman	W13A	Arizona,U.S.A.	35.0990N	113.8854W	1988	From 2006-03-09
Hualien Port	HWAP	Taiwan region	23.9800N	121.6200E	0	From 2001-08-27
Hualilan	HLN	San Juan,Argentina	30.7364S	68.9492W	2000	
Huancayo	HUA	Peru	12.0384S	75.3228W	3313	From 1932-04-01
Huanuco	HCO	Peru	9.8300S	76.2300W	1851	
Huara	HUAR	Chile	19.9320S	69.7261W	1135	From 2009-12-03
Huaraz	HUZ	Peru	9.5289S	77.5083W	3300	From 1972-01-01
Huarmaca	HURP	Peru	5.5830S	78.4330W	2000	
Huasco	HUCH	Atacama,Chile	28.4641S	71.2215W	9	From 2005-04-19
Huatulco	HUIG	Oaxaca,Mexico	15.7684N	96.1082W	150	
Huaypira	CHP5	Peru	4.6050S	80.5011W	240	
Huckleberry Mountain	HBO	Oregon,U.S.A.	43.8443N	122.3200W	1615	From 1990-09-19
Huddart Park	JHPM	California,U.S.A.	37.4442N	122.3020W	347	
Huddler Ranch, Lake City	T32A	Kansas,U.S.A.	37.1797N	98.9247W	596	From 2009-10-12
Hudiksvall	HUDU	Sweden	61.7364N	17.1194E	100	From 2005-10-15
Hudson	HUO	Ontario,Canada	50.0806N	92.0981W	367	From 1986-10-02
Hudson Bay High School ANSS-SMO	HUBA	Washington,U.S.A.	45.6307N	122.6526W	23	From 2002-09-12
Hue	HUV	Vietnam	16.4168N	107.5855E	8	
Hueftle Ranch, Cozad	N30A	Nebraska,U.S.A.	40.7957N	100.1001W	842	From 2009-05-21
Huehuecho	HUES	El Salvador	13.7783N	89.0000W	910	From 1991-12-01
Huelma, Jaen	E025	Spain	37.7016N	3.4657W	1621	From 2007-06-22 to 2009-06-24
Huelva	EXHU	Spain	37.2740N	6.9310W	380	From 2008-06-01
Huescar	EHUE	Spain	37.8148N	2.5927W	980	From 1990-11-13
Huff	E28A	North Dakota,U.S.A.	46.5748N	100.6934W	579	From 2009-08-18
Hugo	Q26A	Colorado,U.S.A.	38.9234N	103.5195W	1546	From 2008-12-04
Hugoton	T29A	Kansas,U.S.A.	37.1565N	101.2942W	936	From 2009-04-08
Hu-ho-hao-te	HHC	Nei Monggol Zizhiqu,China	40.8494N	111.5640E	1169	
Huinay	HUNY	Chile	42.3789S	72.4142W	20	
Huiting Farm, Downs	P32A	Kansas,U.S.A.	39.6223N	98.6011W	524	From 2009-09-19
Huitzitzil	HUG	Guatemala	14.0208N	91.3235W		From 1987-10-01
Huka	HUTZ	North Island,New Zealand	38.6339S	176.0950E	360	From 1985-09-01 to 1996-04-22
Hull Mountain	GHMM	California,U.S.A.	39.4954N	122.9310W	1456	
Hull Mountain	HUMO	Oregon,U.S.A.	42.6071N	122.9567W	554	
Humahuaca	HJA	Jujuy,Argentina	23.2079S	65.4095W	3178	
Humberston	HMBC	Tarapaca,Chile	20.2781S	69.8878W	1152	
Humbligny	HYF	Centre,France	47.2685N	2.6394E	428	
Humboldt	X15A	Arizona,U.S.A.	34.4866N	112.2368W	1331	From 2006-03-22 to 2008-11-06
Hume Dam	HUMM	Victoria,Australia	36.1110S	147.0290E	190	
Humele	HUMR	Romania	44.5281N	24.9804E	247	From 2008-08-29
Humuula	HMH	Hawaii,U.S.A.	19.6052N	155.4860W	2445	
Hundersingen	HUN	Baden-Wurttemberg,Germany	48.0792N	9.4083E	565	
Hundred Mile H.	HM-	British Columbia,Canada	51.6550N	121.4756W	1128	From 1962-07-26 to 1962-10-05
Hungry Hill Ranch, Wilson	Z29A	Texas,U.S.A.	33.2595N	101.7062W	938	From 2009-01-29
Hungry Horse	HHM	Montana,U.S.A.	48.3494N	114.0280W	1100	From 1947-11-10 to 1979-12-16
Hungye	EHY	Taiwan region	23.5060N	121.3220E	237	
Hunish Island	HNSH	Yemen	13.6935N	42.7147E	80	From 2007-11-27
Hunter Liggett MR Jolon	V03C	California,U.S.A.	36.0214N	121.2356W	336	From 2005-02-23 to 2007-12-05
Huntington	339A	Texas,U.S.A.	31.3331N	94.5560W	82	From 2010-02-18
Huntoon Valley	HCK	Nevada,U.S.A.	38.0755N	118.5920W		
Huntoon Valley	HVL	Nevada,U.S.A.	39.1832N	118.5390W	1856	
Huntsville	M16A	Utah,U.S.A.	41.3146N	111.6298W	1872	From 2007-07-09 to 2009-04-21
Hunxe	BHXE	Nordrhein-Westfalen,Germany	51.6308N	6.8929E	159	
Hurbanovo	HRB	Slovakia	47.8736N	18.1928E	115	
Huron Fishing Bridge	PHBM	California,U.S.A.	36.2488N	120.0830W	100	
Hurricane	T14A	Utah,U.S.A.	37.0615N	113.0840W	1529	From 2007-01-28 to 2008-10-10
Hurricane	HUR	Alaska,U.S.A.	62.9778N	149.6360W	505	From 1971-08-01
Hurricane	HHS	Utah,U.S.A.	37.1738N	113.2957W	987	From 2008-05-15
Hurricane Hollow	HHT	Tennessee,U.S.A.	36.1711N	87.9014W	113	
Hurst Farm, Blanding	S18A	Utah,U.S.A.	37.6903N	109.9948W	2351	From 2007-06-25 to 2009-06-18
Husband	HUOR	Oregon,U.S.A.	44.1197N	121.8482W	2037	
Huson	D13A	Montana,U.S.A.	47.0943N	114.4587W	1000	From 2006-10-06 to 2009-07-17
Husum	HUSU	Sweden	63.3416N	19.2184E	100	From 2000-08-23
Huta Ginjang	HUTI	Sumatera,Indonesia	2.3153N	98.9711E	1600	
Hutch Mountain	HTCH	Arizona,U.S.A.	34.8060N	111.3940W	2559	
Huxley Gorge	HGP	South Island,New Zealand	44.1025S	169.8440E	590	From 1975-06-01 to 1983-11-21
Huzimizaka	HZA	Nagano,Japan	36.3992N	138.5411E	2232	
Hvannstoosfjoll	IHVA	Iceland	64.9550N	15.8690W	695	From 2004-12-29
Hvar	HVAR	Croatia	43.1780N	16.4490E	189	From 1986-10-01
Hveravellir	IHVE	Iceland	64.8700N	19.5670W	640	From 1996-08-30
Hwalien	HWA	Taiwan region	23.9770N	121.6050E	16	
Hwange	HWZ	Zimbabwe	18.3302S	26.5034E	0	
Hyde Park	HDU	Utah,U.S.A.	41.8044N	111.7650W	1853	From 1975-03-01
Hyderabad	HYB	Andhra Pradesh,India	17.4169N	78.5531E	510	From 1967-12-11
Hyderabad	HYD	Andhra Pradesh,India	17.4333N	78.4500E	528	
Hyderabad (broadband)	HYBB	Andhra Pradesh,India	17.4187N	78.5520E	522	From 2008-09-15
Hylton High School	PPHYL	District of Columbia,U.S.A.	38.6500N	77.3800W	112	
Hysham	HY-	Montana,U.S.A.	45.9728N	107.0817W	975	From 1964-11-30 to 1965-09-19
Hysham	HY-MA	Montana,U.S.A.	45.9728N	107.0817W	975	From 1964-11-30 to 1965-09-19
Iasi	IAS	Romania	47.1933N	27.5617E	160	From 1951-12-10
Ibarra	IBAR	Ecuador	0.2871N	78.1065W	2360	
Ibbenbueren East	IBBE	Nordrhein-Westfalen,Germany	52.2998N	7.7943E	141	From 2005-12-01
Ibbenbueren South	IBBS	Nordrhein-Westfalen,Germany	52.2843N	7.7486E	169	From 2005-12-01
Ibbenburen	IBBN	Nordrhein-Westfalen,Germany	52.3072N	7.7566E	137	
Ibiza	EIBI	Balearic Islands,Spain	39.0269N	1.3436E	260	
Ibuki Yama	IBU	Shiga,Japan	35.3783N	136.3770E	30	
Ica	ICA	Peru	14.0750S	75.7250W	500	
Ice Cap	IC-GL	Greenland	77.9467N	39.1833W	2365	From 1966-07-06 to 1967-08-28
Ice Cap	IC-	Greenland	77.9467N	39.1833W	2365	From 1966-07-06 to 1967-08-28
Icheon	KSICN	South Korea	37.2907N	127.4167E	164	From 2003-11-28
Ichihara	ICH	Chiba,Japan	35.4009N	140.1768E	-146	
Ichinomiya	INMK	Tokushima,Japan	34.0284N	134.4663E	50	
Ichinoseki	JMK	Iwate,Japan	38.9518N	141.2198E	70	
Ichiyama	ICY	Yamanashi,Japan	34.9033N	138.9333E	210	
Icod de los Vinos	CICO	Canary Islands,Spain	28.3490N	16.7241W	785	From 2004-05-13
Idaho Array	IDA	Idaho,U.S.A.	43.7867N	113.0220W	1524	
Idaho Array 1	ID1	Idaho,U.S.A.	43.6200N	113.3280W	1638	
Idaho Array 2	ID2	Idaho,U.S.A.	43.5283N	112.8370W	1521	
Idaho Array 3	ID3	Idaho,U.S.A.	43.8575N	112.7080W	1460	
Idaho Array 4	ID4	Idaho,U.S.A.	43.7250N	112.7970W	1478	
Idaho Array 5	ID5	Idaho,U.S.A.	43.8983N	113.6160W	1829	
Idaho Springs	ISCO	Colorado,U.S.A.	39.7997N	105.6134W	2743	From 1996-10-17
Ideyld Park	J03A	Oregon,U.S.A.	43.3717N	122.9646W	292	From 2005-12-15 to 2007-10-31
Idfu	HEDF	Egypt	25.0945N	33.1818E	186	
Idjevan	IDJZ	Armenia	40.8820N	45.1460E	700	
Idriss Premier	IDR	Morocco	34.1660N	4.7500W	217	From 1979-06-01
Iengra	IENR	Sakha,Russia	56.2238N	124.8571E	860	From 2004-07-10
Iera Moni Metamorfosis, Varipetro, Chania, Crete	IMMV	Crete,Greece	35.4606N	23.9811E	230	From 2010-07-16
Ierapetra Chania	FRMA	Crete,Greece	35.0144N	25.7334E	33	From 2006-12-01
Ifrane	IFR	Morocco	33.5169N	5.1269W	1630	From 1964-11-01
Igarata	IGAB	Sao Paulo,Brazil	23.2525S	46.1165W	677	
Iggoen	IGGU	Sweden	60.8730N	17.3160E	100	From 2000-03-27
Igitkin Island	GSIG	Alaska,U.S.A.	51.9864N	175.9250W	407	
Igloolik	IGL	Northwest Territories,Canada	69.3767N	81.8067W	38	From 1975-09-03
Igloolik	IGLN	Northwest Territories,Canada	69.3689N	81.8175W	43	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Igloolik, Nunavut	ILON	Northwest Territories,Canada	69.3712N	81.8242W	51	From 2005-08-23
Ignalina	IIGN	Lithuania	55.3503N	26.2225E	255	
Ignalina Nuclear	INPP	Lithuania	55.6056N	26.5667E	148	
Igoumenitsa	IGT	Greece	39.5325N	20.3325E	320	From 1989-04-01
Igron	IGR	Tajikistan	38.3000N	69.3000E	0	
Iguala	III	Guerrero,Mexico	18.3760N	99.4680W	1740	
Igualata	IGUA	Ecuador	1.4900S	78.6387W	4430	
Iheya	JIH	Ryukyu Islands,Japan	27.0348N	127.9670E	25	
Iida	IJDJ	Nagano,Japan	35.4800N	137.9120E	528	From 1978-03-01
Iida	IID	Nagano,Japan	35.5100N	137.8367E	484	
Iida	IIDJ	Nagano,Japan	35.4800N	137.9120E	528	From 1978-03-01
Iinan	INA	Mie,Japan	34.4463N	136.3750E	160	From 1965-07-01 to 1970-07-31
IISEE	IIS	Tokyo,Japan	35.7097N	139.6970E	25	
Iizuka	IZK	Fukuoka,Japan	33.6500N	130.7000E		
Iizume	IZMH	Aomori,Japan	40.8338N	140.4985E	30	
Ikemajima	JIKM	Ryukyu Islands,Japan	24.9237N	125.2477E	11	From 2010-02-01
Iki	JII	Nagasaki,Japan	33.7955N	129.7320E	70	
Ikuma	JNM	Shimane,Japan	35.4958N	133.0297E	20	
Ikusaka	IKJ	Nagano,Japan	36.4218N	137.9440E	500	From 1968-07-01 to 1970-03-15
Ilan	YLA	Taiwan region	24.7656N	121.7480E	7	From 1936-01-01
Ilan	ILA	Taiwan region	24.7656N	121.7479E	7	From 1936-01-01
Ile d'Oleron	OLEF	Poitou-Charentes,France	45.9445N	1.3488W	3	From 1994-12-06
Ile-Ife	OAUI	Togo	7.5230N	4.5219E	257	From 2007-11-01
Ilgaz	ILGA	Turkey	41.0521N	33.7165E	2069	From 2007-07-02
Ili	ILI	Kazakhstan	43.8600N	77.0320E	540	
Iliamna	ILIM	Alaska,U.S.A.	60.0802N	152.9590W	823	
Iliamna	ILM	Alaska,U.S.A.	60.1820N	152.8160W	550	From 1971-08-07
Iliamna Low South	ILS	Alaska,U.S.A.	59.9576N	153.0681W	1125	
Iliamna NE	INE	Alaska,U.S.A.	60.0608N	153.0620W	1585	From 1990-08-29
Iliamna NW	INW	Alaska,U.S.A.	60.0677N	153.1325W	1219	From 1990-08-29 to 1994-12-31
Iliamna South	IVS	Alaska,U.S.A.	60.0092N	153.0810W	2332	From 1990-08-29
Iliamna Volcano East	IVE	Alaska,U.S.A.	60.0169N	153.0163W	1173	From 1996-01-01
Iliamna West	ILW	Alaska,U.S.A.	60.0600N	153.1360W	1722	From 1994-10-01
ilic-Erzincan	ILIC	Turkey	39.4520N	38.5678E	1280	From 2008-12-25
Illapel	ILCH	Coquimbo,Chile	31.6358S	71.1694W	350	
Iloca	ILOC	Maule,Chile	34.9350S	72.1828W	7	
Iloilo	ILO	Panay,Philippines	10.7000N	122.5670E		
I.L. Ranch, Tuscararo	M10A	Nevada,U.S.A.	41.5220N	116.5396W	1687	From 2006-05-05 to 2008-08-18
Ilulissat	ILULI	Greenland	69.2121N	51.1048W	53	From 2009-07-14
Ilulissat, Greenland	ILUG	Greenland	69.2170N	51.1080W	45	From 2004-05-14
Ilw as Safayhah	ALWS	Saudi Arabia	29.3103N	35.0650E		
Imadeyama	IMAT	Iwate,Japan	39.1067N	141.7600E	519	
Imagane	IMG	Hiyama,Japan	42.3905N	140.1444E	90	
Imajo	IMJ	Fukui,Japan	35.7982N	136.3028E	240	
Imi Mikki	IMK	Morocco	30.5239N	9.6517W	60	From 1991-12-17
Imola, Italy	IMOL	Italy	44.3595N	11.7425E	-148	From 2010-08-10
Imperia	IMI	Italy	43.9105N	7.8932E	840	From 1983-01-01
Imperial Boulder Park	IBP	California,U.S.A.	32.6611N	116.0929W	879	
Imphal	IMP	Manipur,India	24.7833N	93.9333E	785	
Imsbach	IMS	Rheinland-Pfalz,Germany	49.5940N	7.9008E	350	
Imsil	KSIMS	South Korea	35.6055N	127.2859E	246	From 2000-12-06
In Amguel	IAA	Algeria	23.8222N	5.1750E		
INCERC-Sediu Central	INCR	Romania	44.4410N	26.1611E	88	From 2008-02-20
Inchbonnie	INZ	South Island	42.7245S	171.4441E	165	From 2011-01-26
Incheon	KSINC	South Korea	37.4776N	126.6240E	68	
Inch Island, Co Donegal	IDGL	Ireland	55.0730N	7.5100W	122	
Inchon	INC	South Korea	37.4833N	126.6330E	70	
Inchon	INCN	South Korea	37.4830N	126.6330E	420	
Incio	EINC	Spain	42.6600N	7.3500W	739	
Independence	IND	California,U.S.A.	39.4343N	120.2920W	2146	
Independ'e Ridge	RIDG	Alaska,U.S.A.	63.7407N	144.8417W	888	
India	UMI	India	25.5167N	92.7333E		
Indiana Array	IN1	Indiana,U.S.A.	40.5420N	85.8936W		From 1980-01-01 to 1996-12-31
Indiana Array	IN2	Indiana,U.S.A.	39.9390N	86.7831W		From 1980-01-01 to 1996-12-31
Indiana Array	IN4	Indiana,U.S.A.	39.5697N	84.9029W		From 1980-01-01 to 1996-12-31
Indiana Array	IN3	Indiana,U.S.A.	39.2653N	85.7854W		From 1980-01-01 to 1996-12-31
Indiana State University	ISU	Indiana,U.S.A.	39.4714N	87.4075W	148	
Indian Gallows	SVG	St Vincent,Saint Vincent and the Grenadines	13.2450N	61.2780W	46	
Indian Hill Lake	IHLN	Northwest Territories,Canada	63.3052N	110.8911W	417	
Indian Lake	ILKN	Yukon Territory,Canada	64.2241N	115.1293W	266	
Indian Meadow	IMW	Wyoming,U.S.A.	43.8970N	110.9390W	2646	
Indian Mountain	IMA2	Alaska,U.S.A.	66.0688N	153.6871W	1318	
Indian Mountain	IMA	Alaska,U.S.A.	66.0685N	153.6790W	1380	
Indian Mountain Array Beam Reference Point	IMAR	Alaska,U.S.A.	65.9835N	153.7491W	372	
Indian Mountain Array Site 1	IM01	Alaska,U.S.A.	65.9969N	153.7225W	360	
Indian Mountain Array Site 2	IM02	Alaska,U.S.A.	66.0005N	153.7971W	645	
Indian Mountain Array Site 3	IM3	Alaska,U.S.A.	65.9835N	153.7490W	372	From 1993-07-01
Indian Mountain Array Site 4	IM04	Alaska,U.S.A.	65.9745N	153.7828W	587	
Indian Mountain Array Site 5	IM05	Alaska,U.S.A.	65.9751N	153.7253W	450	
Indianola	INDN	Nebraska,U.S.A.	40.1925N	100.4000W	762	
Indian Ridge	IRO	Oregon,U.S.A.	44.0053N	122.2543W	1642	
Indian Springs Canyon	ICU	Utah,U.S.A.	37.1497N	113.9235W	1451	
Indian Valley	PIVM	California,U.S.A.	35.9065N	120.6820W	497	From 1975-09-24
Indio Hills	INDC	California,U.S.A.	33.8162N	116.2300W	354	
Indio Mountain, Van Horn	425A	Texas,U.S.A.	30.7862N	104.9857W	1337	From 2008-03-15 to 2010-02-06
INEL Research	IRCI	Idaho,U.S.A.	43.5153N	112.0333W	1442	From 1990-03-15
Infanta	INF	Luzon,Philippines	14.7500N	121.6467E	5	
Ingas	INGI	Bali,Indonesia	8.8183S	115.1450E	202	
Inge Lehmann	ILG	Greenland	77.9467N	39.1833W	2401	
Ingelmoor High School	NIHS	Washington,U.S.A.	47.7413N	122.2226W	137	From 2002-06-04
Ingram Canyon, Westley	S04C	California,U.S.A.	37.5049N	121.3278W	310	From 2004-12-20 to 2007-09-03
Ingram Point	VIPM	Oregon,U.S.A.	44.5082N	120.6190W	1731	
Ingram Ranch	ING	California,U.S.A.	32.9883N	115.3100W	2	From 1973-04-16 to 2010-04-28
INJE	KSIJA	South Korea	37.9867N	128.1111E	224	From 2006-12-30
Ink	IK-	Arkansas,U.S.A.	34.6194N	94.1025W	305	From 1962-11-10 to 1962-12-13
Ink	IK-AR	Arkansas,U.S.A.	34.6194N	94.1025W	305	From 1962-11-10 to 1962-12-13
Inkopah	IKP	California,U.S.A.	32.6501N	116.1095W	906	From 1972-11-08 to 2010-04-28
Innsbruck	IBK	Austria	47.2606N	11.3847E	580	From 1973-03-01
Innsbruck	INN	Austria	47.2667N	11.4000E	575	
Inspiration	INS	California,U.S.A.	33.9356N	116.1940W	1700	From 1974-04-01 to 2010-04-28
Institut Agronomique	IAG	Guadeloupe	16.0840N	61.6000W	250	
Institute	INSR	Kamchatskaya Oblast',Russia	53.0661N	158.6050E	175	
Instituto de Ingenieria, UNAM	IIM	Mexico D.F.,Mexico	19.3260N	99.1820W	2275	
Instituto de Meteorologia, Lisbon	INMG	Portugal	38.7743N	9.1257W	93	From 1993-02-01
Instituto Hidrografico de la Armada	IHA	Valparaiso,Chile	33.0258S	71.6411W	88	From 1988-01-01
Intevep	INTV	Venezuela	10.3878N	67.0514W	1594	From 2004-01-23
Introdacqua	INTR	Italy	42.0115N	13.9046E	924	From 2003-08-29
Inubo	INB	Chiba,Japan	35.7031N	140.8603E	32	
Inukjuak	INUQ	Quebec,Canada	58.4509N	78.1186W	12	From 2006-09-12
Inuvik	INK	Northwest Territories,Canada	68.3070N	133.5200W	40	From 1969-02-22
Inuyama	INU	Aichi,Japan	35.3488N	137.0170E	140	From 1966-06-01
Inveralochy	INV	New South Wales,Australia	34.9650S	149.6670E	650	From 1959-01-01 to 1983-06-14
Inveralochy	IVN	New South Wales,Australia	34.9667S	149.6670E	650	From 1972-08-09 to 1983-06-14
Inveralochy	IVY	New South Wales,Australia	34.9722S	149.7180E	650	From 1983-06-14
Invergeldie, Comrie	INVG	Scotland,United Kingdom	56.4273N	4.0452W	279	From 2010-07-10
Inverness	IVSM	Victoria,Australia	36.1338S	147.0681E	330	
Ione	IO-NV	Nevada,U.S.A.	38.5258N	117.6389W	1737	
Ione	IO-	Nevada,U.S.A.	38.5258N	117.6389W	1737	
Ipanguacu	IPA	Rio Grande do Norte,Brazil	5.6958S	36.8561W	65	From 1987-08-01
Ipeti	IPE	Panama	8.9772N	78.4933W	50	
Ipil	IPIL	Mindanao,Philippines	7.7880N	122.5710E	50	
Ipoh	IPM	Peninsular Malaysia,Malaysia	4.4795N	101.0255E	247	From 1979-05-26
Iquique	ICC	Tarapaca,Chile	20.2840S	70.0350W	950	
Iquique	IQQ	Tarapaca,Chile	20.2408S	70.1278W		From 1976-01-01
Ira	IVT	Vermont,U.S.A.	43.5221N	73.0533W	295	
Irabujima	JIRB	Ryukyu Islands,Japan	24.8282N	125.1728E	19	From 2010-02-01
Iran Long-Period Array	IR1	Iran	35.4160N	50.6890E	1347	From 1976-01-01
Iran Long-Period Array	IR2	Iran	35.6628N	50.8976E	1172	From 1976-01-01
Iran Long-Period Array	IR4	Iran	35.2387N	50.9012E	1373	From 1976-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Iran Long-Period Array	IR6	Iran	35.4737N	50.4256E	1540	From 1976-01-01
Iran Long-Period Array	IR7	Iran	35.7028N	50.6089E	1305	From 1976-01-01
Iran Long-Period Array	IR5	Iran	35.2128N	50.5811E	1385	From 1976-01-01
Iran Long-Period Array	IR3	Iran	35.4761N	51.0238E	989	From 1976-01-01
Iranshahr	IRSH	Iran	27.2000N	60.7000E	0	
Irapuato, Guanajuato	IGIG	Guanajuato,Mexico	20.7531N	101.3278W	1809	
Irimote jima	IRI	Ryukyu Islands,Japan	24.3857N	123.7493E	9	From 1991-03-01
Iriomote-Funauki	IRIF	Ryukyu Islands,Japan	24.3348N	123.7300E	5	From 2004-03-04
Iris	IRS	California,U.S.A.	33.1908N	115.4290W	-10	
IRIS PASSCAL Instrument Center, Socorro	Y22D	New Mexico,U.S.A.	34.0739N	106.9210W	1436	From 2007-09-29
IRIS PASSCAL Instrument Center, Socorro	Y22C	New Mexico,U.S.A.	34.0741N	106.9211W	1436	From 2004-05-07 to 2007-09-28
Irkutsk	IRK	Irkutskaya Oblast',Russia	52.2431N	104.2711E	467	
Iron Canyon	IRC	California,U.S.A.	34.3885N	118.4030W	533	From 1971-11-01 to 2010-04-28
Iron Canyon	IR2C	California,U.S.A.	34.3881N	118.3997W	562	
Iron Mountain	IMU	Utah,U.S.A.	38.6331N	113.1580W	1832	From 1988-09-29
Iron Mountain Pumping Sta,Desert Center	IRM	California,U.S.A.	34.1600N	115.1500W	567	From 2004-04-01
Iron Mountains	IRN	California,U.S.A.	34.1600N	115.1840W	980	
Iron Peak	KIPM	California,U.S.A.	39.8087N	123.4810W	1367	
Isabella	ISA	California,U.S.A.	35.6628N	118.4740W	873	From 1954-01-06
Isangel	INH	Vanuatu	19.5472S	169.2730E	110	From 1970-06-10
Isanotski	ISTK	Alaska,U.S.A.	54.7321N	163.7063W	704	
Isanotski North	ISNN	Alaska,U.S.A.	54.8323N	163.7784W	466	
Ischia Osservatorio Casamicciola	IOCA	Italy	40.7468N	13.9014E	110	From 2011-02-09
Ise	ISE	Mie,Japan	34.4585N	136.7740E	440	From 1963-10-01
Ise	JIE	Mie,Japan	34.3917N	136.7067E	135	
Isfjord	ISF	Svalbard,Norway	78.0592N	13.6403E	5	
Ishigaki jima	ISI	Ryukyu Islands,Japan	24.3317N	124.1633E	6	
Ishigaki jima 2	JIJ	Ryukyu Islands,Japan	24.3635N	124.1428E	78	
Ishigakijimahirakubo	JISG	Ryukyu Islands,Japan	24.5870N	124.3107E	13	From 2010-02-01
Ishihara	IHR	Kochi,Japan	33.6879N	133.4710E	510	From 1967-04-01 to 1999-08-25
Ishii	ISIK	Tokushima,Japan	34.0573N	134.4581E	27	
Ishinomaki	ISN	Miyagi,Japan	38.4250N	141.3030E	44	
Ishipane	K05	Iwate,Japan	39.3822N	141.5139E	463	
Ishtion	ISH	Tajikistan	38.8333N	70.7833E	1880	
Isikli	IKL	Turkey	36.2386N	33.6853E	120	From 1988-01-01
Iskenderun	COBT	Turkey	36.5197N	36.2556E	1710	From 1994-02-17
Isla Aves	IAV	Venezuela	15.7000N	63.6000W	0	
Isla Barro Colorado	BCIP	Panama	9.1665N	79.8373W	61	
Isla Caja de Muertos, Puerto Rico	ICMP	Puerto Rico	17.8863N	66.5267W	9	From 2009-10-01
Isla Caja Muertos	ICM	Puerto Rico	17.8934N	66.5210W	7	
Isla de Alboran	ALR	Spain	35.9392N	3.0350W	10	From 1978-10-01 to 1999-08-25
Isla de la Plata	ISPT	Ecuador	1.2621S	81.0736W	190	From 2008-12-18
Isla del Cano	IDC	Costa Rica	8.7133N	83.8698W	10	From 1987-01-01
Isla del Coco	ICO	Costa Rica	5.5461N	87.0555W	25	
Isla de Pascua	PSC	Easter Island,Chile	27.1583S	109.4340W	50	From 1965-08-01 to 1999-08-25
Isla Desecheo	IDE	Puerto Rico	18.3864N	67.4741W	203	From 1977-02-15
Isla Fernandina	FERN	Galapagos,Ecuador	0.2667S	91.4450W	3	
Isla Guadalupe	IGM	Baja California,Mexico	28.8842N	118.2917W	65	
Isla Isabel II, Islas Chafarinas	CHAS	Morocco	35.1835N	2.4309W	86	From 2007-11-07 to 2009-04-12
Isla La Blanquilla	IBAV	Venezuela	11.8230N	64.5770W	100	From 2002-07-06
Isla La Orchila	ORCV	Venezuela	11.8120N	66.1940W	22	From 2003-01-15
Isla Las Cabras	ILCA	Chile	42.0606S	72.5367W	15	
Isla Los Monjes	IMOV	Venezuela	12.3590N	70.9020W	67	From 2003-10-10
Isla Los Testigos	ITEV	Venezuela	11.3550N	63.1320W	13	From 2002-07-10
Islamabad	ISBA	Pakistan	33.7000N	73.1000E	626	From 2010-11-28
Isla Mona	IMOB	Puerto Rico	18.0500N	67.8700W	93	
Isla Mona	IMR	Puerto Rico	18.0884N	67.8463W	55	From 1975-11-14 to 1977-01-10
Isla Mona	IMO	Puerto Rico	18.1095N	67.9081W	3	From 1977-02-15
Island Lagoon	ILN	South Australia,Australia	31.3931S	136.8700E	137	
Isla Saona	SAON	Dominican Republic	18.1833N	68.7667W	0	
Islas Juan Fernandez	IJF	Juan Fernandez Islands,Chile	33.6167S	78.8333W	6	
Islas Marias	IMM	Nayarit,Mexico	21.6200N	106.5800W		
Isla Socorro	H06N	Colima	18.8600N	110.9900W	10	
Isla Socorro	SRR	Colima,Mexico	18.7254N	110.9524W	60	From 1974-01-01
Isle de Caille	GRIC	Grenada	12.2856N	61.5858W	46	From 2003-05-23
Isle of Man	WIM	Isle of Man,United Kingdom	54.1472N	4.6735W	365	From 1985-01-01
Isle of Wight	SIW	England,United Kingdom	50.6711N	1.3747W	162	
Ismay	E23A	Montana,U.S.A.	46.4978N	105.3062W	750	From 2008-10-30
Ismayilli	IML	Azerbaijan	40.7930N	48.1820E	728	From 2003-03-29
Ismayilli	ISM	Azerbaijan	40.8060N	48.2100E	926	From 1982-01-01 to 2003-01-01
Ismayilll	ISL	Azerbaijan	40.8100N	48.1700E	755	From 2003-01-01
Isoka	IKZ	Zambia	10.1713S	32.6460E	1350	From 1984-01-01
Isola	ISO	Provence-Cote d'Azur,France	44.1833N	7.0500E	876	From 1960-01-01
Isola di Gorgona	GROG	Italy	43.4262N	9.8920E	118	From 2005-08-03
Isola Di Gorgona	GORG	Italy	43.4276N	9.8946E	228	From 2003-09-30
Isola di Marettimo	IMT	Sicily,Italy	37.9567N	12.0783E		
Isola Levanzo	LV9	Sicily,Italy	37.9856N	12.3374E	20	
Isola Levanzo	LVI	Sicily,Italy	37.9861N	12.3389E	30	
Isortoq, Greenland	ISOG	Greenland	65.5480N	38.9757W	12	From 2007-07-24
Isparta	ISP	Turkey	37.8226N	30.5221E	1100	
Issarbe	ISSF	Aquitaine,France	43.0278N	0.7953W	1210	
Istanbul	IST	Turkey	41.0456N	28.9958E	50	From 1962-02-20 to 1989-01-02
Istanbul	ITU	Turkey	41.1062N	29.0148E	98	From 1989-01-02
Istanbul	IST1	Turkey	41.0433N	28.9850E	65	
Istanbul-Kandilli	ISK	Turkey	41.0656N	29.0592E	132	From 1935-01-01
Istric ta	ISRF	Romania	45.1186N	26.5433E	763	
Istrita	ISR	Romania	45.1188N	26.5431E	750	From 1977-03-01
ISUMI INFRASONIC ARRAY REFERENCE POINT	I30JP	Chiba	35.3078N	140.3138E	52	From 2005-02-28
Itadori	ITD	Gifu,Japan	35.7238N	136.7804E	390	
Itaipu	ITB	Parana,Brazil	24.7936S	54.2089W	300	
Itaipu 1	ITB1	Parana,Brazil	24.6467S	54.3886W		From 1983-01-01
Itaipu 7	ITB7	Parana,Brazil	25.1222S	54.1753W	400	
Itaka	ITKT	,United Republic of Tanzania	8.8728S	32.7830E	1590	From 1992-06-14
Italian Canyon	ICI	Idaho,U.S.A.	44.3293N	112.9410W	2463	From 1992-01-01
Itanagar	INR	Arunachal Pradesh,India	27.0800N	93.6000E		From 1981-05-01
ITANAGAR	ITAN	Arunachal Pradesh	27.1446N	93.7219E	214	From 2011-05-01
Itaparica	ITR	Pernambuco,Brazil	8.7614S	38.4233W	321	
Itatiaia	ITA	Rio de Janeiro,Brazil	22.3756S	44.7017W	2530	
Itaya	JFI	Fukuoka,Japan	33.4272N	130.3883E	660	
Itezhi-Tezhi	ITZ	Zambia	15.7465S	26.0157E	1106	From 1984-01-01
Ithaca	INY	New York,U.S.A.	42.4438N	76.4836W	238	From 1972-08-05
Ithaca	ITH	New York,U.S.A.	42.4500N	76.4833W	243	From 1909-01-01 to 1999-08-25
Ithomi	ITHO	Greece	37.1786N	21.9252E	400	
Ithomi	ITM	Greece	37.1797N	21.9267E	400	From 1974-10-01
Ito	ITO	Shizuoka,Japan	34.9667N	139.1000E		From 1937-06-01 to 1949-09-30
Itoigawa	ITGE	Niigata,Japan	37.0082N	137.9992E	270	
Itoiz	IPRE	Spain	42.8058N	1.3564W	530	From 2005-05-18
Itumba	ITBT	,United Republic of Tanzania	9.4287S	33.1858E	1270	From 1992-06-15
Itzapa	ITG	Guatemala	14.5968N	90.8455W	2320	From 1984-07-01
Iul'tin	ILT	Magadanskaya Oblast',Russia	67.8700N	178.7300W	244	
Ivanjica	IVAS	Serbia	43.5764N	20.1524E	811	From 2008-10-22
Ivanof Bay	IVF	Alaska,U.S.A.	55.8958N	159.5300W	275	
IVIC	IVIV	Venezuela	10.4038N	66.9743W	2375	From 2004-02-17
Ivigtut	IVI	Greenland	61.2000N	48.1833W	20	
Ivujivik	IVKQ	Quebec,Canada	62.4184N	77.9113W	7	From 2006-09-16
Iwai-Kita	IWJ	Chiba,Japan	35.0981N	139.8714E	0	
Iwaki	IWK	Fukushima,Japan	37.0000N	140.9490E	35	
Iwakimizuishiyama	ONAJ	Fukushima,Japan	37.1017N	140.7983E	650	From 2002-03-28
Iwanai	IWN	Hokkaido,Japan	42.6705N	143.0462E	235	From 1976-07-01
Iwaosan	IWO	Mie,Japan	34.8825N	136.1322E	400	
Iwasaki	JIW	Aomori,Japan	40.5928N	140.0070E	330	
Iwatsuki	IWT	Saitama,Japan	35.9258N	139.7381E	-3501	
Iwo jima	YUO	Bonin Islands,Japan	24.7833N	141.3170E		
Ixhuatan	IHC	Chiapas,Mexico	17.2906N	93.0083W		
Ixpaco	IXG	Guatemala	14.1743N	90.4545W	1420	From 1984-10-01
Ixtacomitan	IXC	Chiapas,Mexico	17.4272N	93.1008W		
Ixtapalapa	IXT	Mexico D.F.,Mexico	19.4000N	99.1000W		
Iza	SRO1	Slovakia	47.7622N	18.2328E	111	From 2004-09-25
Izee	I07A	Oregon,U.S.A.	44.0820N	119.5042W	1293	From 2006-07-21 to 2009-01-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Izmir	IZM	Turkey	38.3978N	27.2625E	632	From 1973-03-18
Izmir	URLA	Turkey	38.3602N	26.5955E	495	From 2005-05-03
Iznik	IZN	Turkey	40.4338N	29.7605E	195	From 1978-11-01 to 1999-08-25
Iznik	IZI	Turkey	40.3368N	29.4728E	910	From 1990-01-01
Izon-la-Bruisse	OG28	Rhone-Alpes,France	44.2582N	5.5975E	1040	From 1991-07-18
Izuhara	IZU	Nagasaki,Japan	34.1950N	129.2933E	18	
Izuhara	IZUJ	Nagasaki,Japan	34.1950N	129.2930E	3	From 1991-09-01
Izuhara 2	IZU2	Nagasaki,Japan	34.2273N	129.2733E	410	From 1991-02-26 to 2002-10-23
Izumi	IZT	Hyogo,Japan	34.9722N	134.8876E	230	
Izumi	JIU	Kumamoto,Japan	32.5733N	130.7933E	230	
Izumi 2	JIU2	Kumamoto,Japan	32.5453N	130.8145E	260	
Izumozaki	JIZZ	Niigata,Japan	37.5317N	138.7095E	40	
Izushimoda	JIZS	Shizuoka,Japan	34.7178N	138.8782E	135	
Jabal Ad Dan - Dhamar Gov. - Yemen	ADDN	Yemen	14.3530N	43.8500E	2598	From 1997-01-20
Jabal al Asfar	ASF	Jordan	32.1723N	36.8972E	937	
Jabal al Khashab	KHB	Egypt	29.9280N	30.9750E	265	
Jabal al Moallq	JMOS	Saudi Arabia	29.1686N	35.1094E		
Jabal at Tayr	GTR	Egypt	25.5096N	30.5595E	155	
Jabal bu Thady	BTHT	Tunisia	35.1323N	10.2852E	240	
Jabal Farasan	FRJS	Saudi Arabia	22.5905N	39.3638E		
Jabal Katrina	HKAT	Egypt	28.5229N	33.9928E	1729	
Jabal Laban	LBNS	Saudi Arabia	21.0465N	39.9013E		
Jabal Madar	JMDO	Oman	22.3701N	58.1035E	350	From 2001-07-01
Jabal Masmas	HMSM	Egypt	22.8814N	31.8890E	375	
Jabal Moqyreh	JMQS	Saudi Arabia	28.8861N	35.8778E		
Jabalpur	JBP	Madhya Pradesh,India	23.1667N	79.9833E	0	
Jackboy Hill	MJHT	Montserrat	16.7672N	62.1698W	149	
Jackerath	JCK	Nordrhein-Westfalen,Germany	51.0350N	6.4309E	-240	From 1981-01-01
Jackman	JKM	Maine,U.S.A.	45.6555N	70.2426W	378	
Jack Peak	JPK	Alaska,U.S.A.	61.0552N	146.5978W	835	
Jackson	JS-TN	Tennessee,U.S.A.	35.6556N	88.6128W	152	From 1961-12-11 to 1962-06-28
Jackson	JS-	Tennessee,U.S.A.	35.6556N	88.6128W	152	From 1961-12-11 to 1962-06-28
Jackson	G14A	Montana,U.S.A.	45.2432N	113.4604W	2140	From 2006-11-10 to 2009-06-10
Jackson Bay	JCZ	South Island,New Zealand	44.0750S	168.7583E	1072	From 2004-06-22
Jackson Lake Dam	JLDW	Wyoming,U.S.A.	43.8562N	110.5873W	2074	
Jacksonville	JAC	Florida,U.S.A.	30.4167N	81.6500W	9	From 1950-01-01 to 1956-12-31
Jacksonville	238A	Texas,U.S.A.	32.0034N	95.1203W	126	From 2010-02-22
Jacmel	JAKH	Haiti	18.2377N	72.5180W	47	
Jacoby Creek	JCC	California,U.S.A.	40.8175N	124.0296W	27	
Jacura	JACV	Venezuela	11.0880N	68.8300W	349	From 2002-10-30
Jaen	EXJA	Spain	37.7720N	3.7890W	549	
Jaguaretama	CS6B	Ceara,Brazil	5.4945S	38.6708W	112	From 2003-10-03 to 2005-06-16
Jahan bin	JHBN	Iran	32.2312N	50.6657E	2657	From 2011-01-01
Jahrom	JHRM	Iran	28.5053N	53.5771E	1019	From 2011-01-17
Jahuel	JACH	Aconcagua,Chile	32.6819S	70.5929W	1075	
Jaisalmer	JASL	Rajasthan,India	26.9243N	70.9030E	223	From 2002-01-18
Jajag, Banyuwangi	JAGI	Jawa,Indonesia	8.4702S	114.1521E	171	From 2008-07-21
Jakarta	DJA	Jawa,Indonesia	6.1833S	106.8362E	8	
Jalalah	GLL	Egypt	29.5772N	31.7081E	519	
Jama	JAMA	Ecuador	0.2612S	80.2058W	680	From 1992-02-05
Jamag	JMAG	Xizang Zizhiqu,China	29.6880N	91.6694E	4160	From 2004-06-14
JAMBI	JMBI	Jawa,Indonesia	1.6335S	103.6417E	0	From 2005-01-01
James Farms, Milford	R14A	Utah,U.S.A.	38.2987N	113.0213W	1542	From 2007-02-27 to 2008-09-18
Jamestown	JAS	California,U.S.A.	37.9466N	120.4393W	428	From 1964-01-01 to 1984-06-30
Jamestown	JAS1	California,U.S.A.	37.9267N	120.4210W	398	From 1984-07-03 to 1986-11-06
Jammu	JMU	Jammu and Kashmir,India	32.7167N	74.9000E		
Jandula	JAND	Spain	38.2200N	3.9700W	645	From 2006-05-01
Jangheung	KSJAH	South Korea	34.6847N	126.9196E	0	From 2000-12-08
Jangsu	KSJAS	South Korea	35.6569N	127.5203E	407	From 2002-10-21
Janina	JAN	Greece	39.6567N	20.8508E	540	
Jan Mayen	JMIC	Norway	70.9866N	8.5052W	158	
Jan Mayen	JMI	Jan Mayen Island,Norway	70.9283N	8.7308W	50	From 1996-01-18
Jan Mayen East	JNE	Jan Mayen Island,Norway	70.9900N	8.2970W	57	From 1996-01-18
Jan Mayen West	JNW	Jan Mayen Island,Norway	71.0290N	8.4280W	95	From 1996-01-18
Jaout	JAU	Aquitaine,France	43.0380N	0.3693W	1545	
Jarabacoa	DR07	Dominican Republic	19.0856N	70.5981W	1030	
Jarash	JARJ	Jordan	32.2375N	35.9461E	840	From 1984-10-01
Jardin	JDN	Chiapas,Mexico	17.1650N	92.5000W	920	
Jarrell	435A	Texas,U.S.A.	30.7830N	97.5851W	247	From 2009-11-11 to 2010-01-15
Jarrell	435B	Texas,U.S.A.	30.7827N	97.5850W	248	From 2010-01-15
Jasper	JP-AT	Alberta,Canada	52.8972N	118.0903W	1128	
Jasper	JA-	Minnesota,U.S.A.	43.8900N	96.3214W	518	
Jasper	JP-	Alberta,Canada	52.8972N	118.0903W	1128	
Jasper	JA-MN	Minnesota,U.S.A.	43.8900N	96.3214W	518	
Jasper Ridge	JRSC	California,U.S.A.	37.4037N	122.2387W	70	From 1994-06-30
Jatai	JATB	Goias,Brazil	17.8929S	51.4929W	819	From 2004-01-07 to 2006-08-09
Jatiwangi	JCJI	Jawa,Indonesia	6.4900S	108.2700E	0	
Jato	JAT	Guatemala	14.3180N	91.6367W	68	From 1979-11-01
J.Aulia	JAWL	Sudan	15.2340N	32.4820E	426	From 2003-11-01
Jausiers	JAUF	Provence-Cote d'Azur,France	44.4292N	6.7500E	1585	From 1990-09-12
Javornik	JAVS	Slovenia	45.8934N	14.0643E	1100	From 2004-01-01
Jaww	BJA	Bahrain	25.9917N	50.6083E		
Jayapura	JAY	Irian Jaya,Indonesia	2.5148S	140.7047E	400	From 1973-04-01
Jazzator, Altay Republic, Russia	DGZ	Altayskiy Kray	49.7005N	87.4316E	1606	From 2003-08-20
Jbel Babet	JBB	Morocco	35.0130N	4.1980W	1230	From 1994-08-10
Jbel Lahdid	JHA	Morocco	31.7360N	9.4540W	725	
Jbel Ouklim	JOK	Morocco	31.4060N	5.5650W	1669	
J-C Ranch, Comstock	530A	Texas,U.S.A.	30.1489N	101.3379W	636	From 2009-02-24
Jecheon	KSJEC	South Korea	37.1538N	128.1912E	263	From 2000-11-20
Jeeralang Junction	JENM	Victoria,Australia	38.3507S	146.4197E	330	
Jefferson	P23A	Colorado,U.S.A.	39.3741N	105.8388W	3006	From 2008-06-24
Jefferson College	JCMO	Illinois,U.S.A.	38.2575N	90.5585W	237	
Jehonathan	JNI	Israel	32.9500N	35.8270E	500	
Jehsanih	JEHI	Bali,Indonesia	8.0833S	115.2130E	60	
Jeju	KSJJU	South Korea	33.4306N	126.5463E	542	From 2003-12-03
Jena	JEN	Thuringen,Germany	50.9519N	11.5833E	193	
Jena	JE-LA	Louisiana,U.S.A.	31.7847N	92.0153W	46	From 1964-02-06 to 1967-01-16
Jena (USA)	JE-	Louisiana,U.S.A.	31.7847N	92.0153W	46	From 1964-02-06 to 1967-01-16
Jenkinsville	JSC	South Carolina,U.S.A.	34.2817N	81.2603W	120	
Jenolan Black	JBRM	New South Wales,Australia	33.7618S	150.0486E	1235	
Jenolan Caves	JNL	New South Wales,Australia	33.8257S	150.0219E	829	From 1959-01-01
Jensen Ranch, Palermo	B26A	North Dakota,U.S.A.	48.3762N	102.2341W	708	From 2009-07-29
Jenson Cabin	JECI	Idaho,U.S.A.	44.3722N	114.1840W	2135	From 1983-12-01
Jeongeup	KSJEU	South Korea	35.4935N	126.9298E	182	From 2003-11-26
JEONGSEON	KSJES	South Korea	37.4303N	128.6654E	414	From 2006-12-30
Jeonju	KSCHO	South Korea	35.8178N	127.1542E	53	From 1999-05-18
Jeonju	KSJEO	South Korea	35.9379N	127.2928E	176	From 2007-12-12
Jerez de los Caballeros, Badajoz	E028	Spain	38.3553N	6.8073W	602	From 2007-09-13 to 2009-06-18
Jeri Cho Mine, NWT	JERN	Northwest Territories,Canada	66.0194N	111.4672W	476	From 2006-07-21 to 2010-07-20
Jermuk	DZR	Armenia	39.8800N	45.7000E	2115	
Jerome	JR-AZ	Arizona,U.S.A.	34.8256N	111.9903W	1311	From 1964-03-30 to 1965-10-04
Jerome	JR-	Arizona,U.S.A.	34.8256N	111.9903W	1311	From 1964-03-30 to 1965-10-04
Jersey	VJYM	Oregon,U.S.A.	44.9022N	120.9740W	951	
Jersey	JRS	Channel Islands,United Kingdom	49.1924N	2.0917W	53	From 1981-11-01
Jersey Dam (Crest)	JDC	Channel Islands,United Kingdom	49.1847N	2.0469W	39	From 1992-07-01
Jersey Dam (Gallery)	JDG	Channel Islands,United Kingdom	49.1947N	2.0469W	7	From 1992-07-01
Jerusalem	JER	Israel	31.7719N	35.1972E	770	From 1954-01-01
Jesolo	IESO	Italy	45.5200N	12.5500E	0	
Jette	JTMT	Montana,U.S.A.	47.7467N	114.2825W	1469	
Jewell Farm	JFWS	Wisconsin,U.S.A.	42.9143N	90.2481W	335	From 1992-07-29
Jhansi	JHNI	Uttar Pradesh,India	25.4658N	78.5395E	250	
Jiali	SCLT	Taiwan region	23.1750N	120.1940E	7	
Jian Township	EGA	Taiwan region	23.9730N	121.5630E	37	From 1998-08-07
Jiashian	SGST	Taiwan region	23.0820N	120.5830E	278	
Jicamarca	PT05	Peru	11.9548S	76.8693W	700	
Jicaral	JCR	Costa Rica	9.8498N	85.1118W	575	
Jichi Village	TEGC	Taiwan region	23.7090N	121.5400E	5	From 1999-08-04
Jilotepec	JIL	Veracruz,Mexico	19.6307N	96.9333W	1330	
Jimani	JIDR	Dominican Republic	18.4910N	71.8507W	13	From 2010-01-22

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Jim Creek	JCW	Washington,U.S.A.	48.1935N	121.9300W	616	
Jimena Frontera	EJIF	Spain	36.4513N	5.4688W	260	From 1988-05-20
Jimena Frontera	EJIM	Spain	36.4514N	5.4689W	260	From 1987-04-01 to 1988-05-19
Jim Sage Mountain	JSM	Idaho,U.S.A.	42.1313N	113.3825W	1524	
Jindabyne	JIN	New South Wales,Australia	36.4394S	148.5930E	960	From 1958-01-01 to 1972-08-09
Jindo	KSJDO	South Korea	34.4700N	126.3166E	477	From 2007-12-13
Jindrichovice	JIND	Czech Republic	50.2621N	12.6168E	722	
Jinju	KSJIN	South Korea	35.1615N	128.0301E	72	From 2005-12-16
Jinju	KSCHI	South Korea	35.2032N	128.1194E	21	From 1999-05-16
Jinotega	JIG	Nicaragua	13.2012N	85.7708W	1249	From 1975-01-01
Jiouru	SGLT	Taiwan region	22.7250N	120.4910E	30	
Jiquilpan	JQX	Baja California,Mexico	32.5080N	115.0710W	5	
Jiri	JIRN	Nepal	27.6600N	86.1900E	3064	From 1994-04-01
Jizan	JIZN	Saudi Arabia	16.9590N	42.8250E	100	From 1989-02-01
Jizan	JAZS	Saudi Arabia	17.0684N	42.9174E	173	
JLa Parita Creek, ourdanton	734A	Texas,U.S.A.	28.8473N	98.5576W	121	From 2009-12-02
Joaquin Canyon North	JCNB	California,U.S.A.	35.9390N	120.4311W	309	
Joaquin Canyon South	JCSB	California,U.S.A.	35.9212N	120.4340W	299	
Joaquin Lookout	JOAQ	New Mexico,U.S.A.	35.7708N	106.8410W	2768	From 1978-11-11
Joaquin Road	JJRM	California,U.S.A.	37.3447N	122.2010W	430	
Jocassee View	JVW	South Carolina,U.S.A.	34.9923N	82.9977W	554	
Jochberg	RJOB	Bayern,Germany	47.7372N	12.7957E	860	From 2001-05-15
Jocotitlan	IIJ	Mexico:State,Mexico	19.7340N	99.7340W	3900	
Jocotitlan	JCM	Mexico D.F.,Mexico	19.7342N	99.7611W		From 1988-01-01
Joensuu	JOE	Finland	62.6517N	29.6950E	90	
Joensuu	JOF	Finland	62.9182N	31.3124E	180	From 1981-09-29
Johannesberg	BPI	Transvaal,South Africa	26.1750S	28.0300E	1700	
Johannesburg	JOH	Transvaal,South Africa	26.1817S	28.0750E	1806	
John Jarvie Ranch (BLM), Flaming Gorge	N19A	Utah,U.S.A.	40.8936N	109.1772W	1703	From 2007-08-18 to 2009-04-24
Johnnie	JON	Nevada,U.S.A.	36.4399N	116.1033W	939	From 1978-07-24 to 2002-12-10
Johnny Jack Ridge	KJJM	California,U.S.A.	40.2477N	124.3070W	725	
John's Creek	JCE1	Oklahoma,U.S.A.	35.5812N	97.9003W	413	
John Smith Road	HJSM	California,U.S.A.	36.8165N	121.2990W	215	From 1975-06-01
Johnson	JHN	Nebraska,U.S.A.	40.4469N	96.0175W	329	From 1978-12-01 to 2001-07-15
Johnson Can.	AN15*	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Can.	BJCM	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Canyon	JHC	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Ranch, Cut Bank	A15A	Montana,U.S.A.	48.9777N	112.7327W	1236	From 2007-09-13 to 2009-08-13
Johns Peak	WJPM	California,U.S.A.	35.4109N	118.4820W	1090	
John Stanford Center Downhole Anss-SM	SSS1	Washington,U.S.A.	47.5818N	122.3311W	-20	From 2004-10-24
Johnston I.	JN-	Line Islands,Kiribati	16.7339N	169.5281W	3	From 1962-03-31 to 1962-08-02
Johnston Island	JN-IS	Johnston Island	16.7339N	169.5281W	3	From 1962-03-31 to 1962-08-02
Johnston Island	JOHN	Johnston Island	16.7329N	169.5292W	-36	
Jolon Road	JOL	California,U.S.A.	36.0837N	121.1690W	336	From 1969-06-18 to 2011-07-22
Jolon Road	PJRM	California,U.S.A.	36.0837N	121.1690W	336	From 1969-06-18 to 2011-07-22
Jolon Road	PJLM	North America,U.S.A.	36.0905N	121.1581W	240	
Jones Farm, Ritzville	D09A	Washington,U.S.A.	47.0615N	118.3092W	540	From 2006-08-29 to 2008-06-10
Jones High Sch.	OK001	Oklahoma,U.S.A.	35.5611N	97.2895W	350	
Jones Ranch, Declo	K14A	Idaho,U.S.A.	42.5452N	113.1760W	1387	From 2006-12-28 to 2009-05-07
Joppolo	JOPP	Italy	38.6068N	15.8856E	500	From 2006-08-07
Jordan	JO-	Minnesota,U.S.A.	44.7069N	93.5083W	290	From 1962-07-13 to 1962-07-30
Jordan	JO-MN	Minnesota,U.S.A.	44.7069N	93.5083W	290	From 1962-07-13 to 1962-07-30
Jordan	GUIM	Panay,Philippines	10.6260N	122.5890E	50	
Jordan Butte	JBO	Oregon,U.S.A.	45.4616N	119.8370W	645	From 1982-09-01
Jordanelle	JLU	Utah,U.S.A.	40.6019N	111.4499W	2285	From 1981-09-28
Jordan Ranch	JRTX	Texas,U.S.A.	32.9340N	100.9530W	804	From 1979-01-01
Jordan River	JRBB	British Columbia,Canada	48.4300N	123.0522W	24	From 2008-05-13
Jordan Valley	JVI	Israel	31.9380N	35.3390E	680	From 1986-07-17
Jorden Valley SMO	JORV	Oregon,U.S.A.	42.9777N	117.0537W	1338	From 2004-07-01
Jorhat	JHI	Assam,India	26.7333N	94.1667E	84	From 1979-01-01
JORHAT	JORH	Assam	26.7430N	94.2513E	79	From 2011-05-01
Joseni	JOSR	Romania	46.7059N	25.5154E	749	From 2010-08-18
Joseph F. Staten	JFS	California,U.S.A.	35.3508N	117.6700W	1433	From 1979-06-01
Joseph's Coat	YJC	Wyoming,U.S.A.	44.7555N	110.3492W	2684	
Joshimath	JOSI	India	30.5558N	79.5582E	1889	From 2002-04-09
Joshua Ridge West	JRWM	California,U.S.A.	35.9943N	117.8215W	1366	
Joshua Tree	NYJ	Nevada,U.S.A.	37.0080N	115.9750W	1286	From 1971-01-01 to 1973-01-31
Joshua Tree Park	JTR	California,U.S.A.	33.8140N	115.9002W	1372	
Josvafo	JOS	Hungary	48.4958N	20.5394E	280	
Jouge	JJG	Hiroshima,Japan	34.6412N	133.1543E	470	
Jozini	JOZ	Natal,South Africa	27.4450S	32.0783E	244	From 1976-07-01 to 1999-08-25
J Risha	RSHJ	Jordan	30.2610N	35.2330E	357	From 1989-12-15
J Risha	JRSJ	Jordan	30.2610N	35.2330E	357	From 1989-12-15
J. Sargeant Reynolds Community College	JSRW	Virginia,U.S.A.	37.6938N	77.8786W	67	
J Saunders Place	SNDA	California,U.S.A.	33.5519N	116.6129W	1358	
Jston Ridge Obs	JRO	Washington,U.S.A.	46.2751N	122.2178W	1280	
Juana Nunez	DR1	Dominican Republic	19.3114N	70.6961W		
Juana Nunez	DR01	Dominican Republic	19.3114N	70.6961W	505	
Juan Diaz	JUD	Costa Rica	10.1620N	85.5470W	844	From 1984-11-01
Juan Diaz 2	JUD2	Costa Rica	10.1670N	85.5412W	680	
Jubany	JUBA	South Shetland Islands	62.2373S	58.6627W	16	
Jud	E30A	North Dakota,U.S.A.	46.5021N	98.9098W	544	From 2009-08-20
Judd Hill Plantation	JHP	Arkansas,U.S.A.	35.6050N	90.5100W	68	
Jufra	LJFR	Libya	29.1018N	15.8128E	351	
Jug	JUM	New Mexico,U.S.A.	35.9050N	106.6680W	2400	
Jugenheim	JUG	Hessen,Germany	49.7667N	8.6000E		
Juive	JUI6	Ecuador	1.4244S	78.4686W	2422	From 2007-07-13
Juive	JUIV	Ecuador	1.4238S	78.4647W	2380	From 1992-02-04
Juive 3	JUI3	Ecuador	1.4218S	78.4767W	2425	
Juiz de Fora	JFO	Minas Gerais,Brazil	21.7277S	43.3254W	780	From 1990-08-01
Jujurieux	OG05	Franche Comte,France	46.0405N	5.4583E	400	
Jujuy	JUJ	Jujuy,Argentina	24.2458S	65.2728W	1270	
Julian	JULC	California,U.S.A.	33.0483N	116.6130W	1292	From 1978-04-01
Julich	JUE	Nordrhein-Westfalen,Germany	50.9100N	6.4070E	91	From 1974-11-01
Jumaytepeque	JMG	Guatemala	14.3387N	90.2703W	1815	From 1979-05-01
Jumilla	EXJU	Spain	38.4750N	1.3160W	520	
Jumunjin	KSJMJ	South Korea	37.8816N	128.7561E	75	From 2008-01-01
Junction	R15A	Utah,U.S.A.	38.2108N	112.2767W	1861	From 2007-05-21 to 2009-03-11
Junction City	JCT	Texas,U.S.A.	30.4794N	99.8022W	591	From 1965-03-01
Juneau Island	JIS	Alaska,U.S.A.	58.2762N	134.3831W	10	From 1995-04-18
June Lake	JLK	Washington,U.S.A.	46.1467N	122.1530W	1049	
Jungingen	JUND	Baden-Wurttemberg,Germany	48.3301N	9.0408E	600	From 1976-01-01
Jungrangju	KSJUR	South Korea	37.6136N	127.0886E	56	From 2007-01-01
Juni	PT11	Peru	11.5490S	75.7150W	4480	From 1983-09-21
Juniper Basin Ranch, Riddle	L10A	Idaho,U.S.A.	42.0773N	116.4711W	1537	From 2007-01-10 to 2008-08-16
Juniper Gulch	JGI	Idaho,U.S.A.	44.0925N	112.6770W	1657	From 1979-11-06
Juniper Hills	JNH	California,U.S.A.	34.4475N	117.9540W	1317	From 1977-11-01
Juniper Island	ISLE	Alaska,U.S.A.	60.6025N	142.3391W	1485	
Junjel	JNJ	Guatemala	15.3988N	91.4287W	3348	From 1980-01-01 to 1999-08-25
Juno	JU-TX	Texas,U.S.A.	30.1119N	101.0772W	533	From 1964-04-04 to 1964-08-11
Juno	JU-	Texas,U.S.A.	30.1119N	101.0772W	533	From 1964-04-04 to 1964-08-11
JuntasAbangares	JTS	Costa Rica	10.2908N	84.9525W	340	
Juquia	JUQB	Sao Paulo,Brazil	24.0930S	47.7163W	470	
Juriquilla Campus	JRQG	Queretaro de Arteaga,Mexico	20.7037N	100.4469W	1965	
Jwalamukhi	JWA	Himachal Pradesh,India	31.8667N	76.3333E		
Jwalamukhi	JWL	Himachal Pradesh,India	31.8700N	76.3706E	0	
Jyotipuram	JYP	Jammu and Kashmir,India	33.1083N	74.8500E		
Kaadhehdhoo	KAAM	Maldives,Maledives	0.4926N	72.9949E	-1	From 2008-01-29
Kaahu Road	KUTZ	North Island,New Zealand	38.4891S	175.8233E	515	From 2010-04-15
Kaapuna	KUH	Hawaii,U.S.A.	19.2663N	155.8710W	524	From 1972-01-04
Kabakon Island	EDY	New Ireland,Papua New Guinea	4.2395S	152.3890E	5	
Kabansk	KAB	Buryatiya,Russia	52.0500N	106.6539E	468	
Kabd	KBD	Kuwait	29.1756N	47.6933E	124	
Kabsdagh	KBSD	Syria	37.0013N	40.5430E	562	From 2002-04-01
Kabul	KBL	Afghanistan	34.5408N	69.0432E	1920	
Kabul (SRO)	KAAO	Afghanistan	34.5408N	69.0432E	1920	From 1977-05-10
Kabupaten Dompu	DBNI	Sumba	8.5019S	118.3121E	185	
Kace˘ov	KACW	Czech Republic	50.1436N	12.5172E	524	From 2004-01-01
Kadinhani	KDHN	Turkey	38.5211N	32.1164E	1122	From 2005-02-23

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kadzharan	KDR	Armenia	39.1500N	46.1000E	2155	From 1972-01-01
Kaena	KAE	Hawaii,U.S.A.	19.2892N	155.1320W	37	From 1973-05-08
Kaena Point	KPH	Hawaii,U.S.A.	21.5761N	158.2750W	110	From 1965-04-01 to 1976-12-31
Kaeng Krachan	PHET	Thailand	12.9100N	99.6300E	100	From 2008-01-01
Kafar-mosalman	IKFM	Iran	33.5244N	47.8469E	0	From 2008-01-01
Kafrein	KFNJ	Jordan	31.8617N	35.6760E	-90	From 1983-09-01
Kaftarguzar	KFTR	Tajikistan	38.8300N	70.1500E	1800	
Kaga	JKG	Ishikawa,Japan	36.2767N	136.3317E	25	
Kagalaska	AD3	Alaska,U.S.A.	51.7428N	176.3570W	198	From 1974-01-01 to 1992-02-01
Kagalaska Island	ETKA	Alaska,U.S.A.	51.8619N	176.4059W	290	
Kagoshima	KAG	Kagoshima,Japan	31.5508N	130.5508E	2	
Kagoshima 2	KAGJ	Kagoshima,Japan	31.1867N	130.8883E	200	
Kahang-Kahang	KHKI	Bali,Indonesia	8.3643S	115.6080E		
Kaharoa	KARZ	North Island,New Zealand	38.0219S	176.2438E	500	From 2006-07-11
Kahramanmaras	KMRS	Turkey	37.5053N	36.9000E	590	From 2006-08-30
Kahui Hut	KHEZ	North Island,New Zealand	39.2942S	174.0145E	929	From 2009-05-21
Kahuku	KHU	Hawaii,U.S.A.	19.2483N	155.6180W	1939	From 1969-08-26
Kahuranaki	KAHZ	North Island,New Zealand	39.7959S	176.8764E	638	From 2007-06-07
Kahutara	KHZ	South Island,New Zealand	42.4181S	173.5400E	70	From 1988-11-01
Kaiam	KIAM	Papua New Guinea	7.1124S	143.9224E	307	
Kaiamu	PGKAI	New Britain,Papua New Guinea	5.4659S	150.9134E	10	
Kaibab National Forest USFS, William	V15A	Arizona,U.S.A.	35.8191N	112.1731W	1891	From 2007-04-19 to 2008-11-21
Kaikoura	KKZ	South Island,New Zealand	42.4219S	173.6960E	109	From 1980-06-04 to 1989-06-08
Kaikoura West	KKY	South Island,New Zealand	42.4200S	173.6920E	101	From 1972-06-08 to 1980-06-04
Kailua Kona	KKH	Hawaii,U.S.A.	19.6567N	156.0186W	14	From 1975-01-01
Kaimai	KMRZ	North Island	37.8456S	175.9416E	542	From 2011-03-08
Kaimana, Papua	KMPI	Irian Jaya,Indonesia	3.6616S	133.7044E	0	From 2008-12-01
Kaimata	KAI	South Island,New Zealand	42.5258S	171.4090E	82	From 1942-09-01 to 1990-12-05
Kainokawa	KKW	Wakayama,Japan	33.8987N	135.4420E	260	
Kaiseraugst-Friedh	SKAF	Switzerland	47.5384N	7.7199E	270	From 2006-10-04
Kaiser Creek	KCC	California,U.S.A.	37.3236N	119.3187W	888	
Kaiserville	KVN	Nevada,U.S.A.	39.0510N	118.1000W	1829	From 1972-01-13
Kaitaia	KIT*	North Island,New Zealand	35.1083S	173.2650E	91	
Kaitanak	KTNR	Altayskiy Kray,Russia	50.1470N	85.4650E	979	
Kaizawa	KZW	Aomori,Japan	40.6915N	140.3631E	160	
Kajaani	KJF	Finland	64.1992N	27.7147E	160	From 1970-07-09 to 1990-03-31
Kajaani	KJN	Finland	64.0853N	27.7119E	250	
Kajisay	KDJ	Kyrgyzstan	42.1300N	77.1800E	1799	From 2011-04-15
Kakadu	KDU	Northern Territory,Australia	12.6869S	132.4727E	46	From 2008-11-26
Kakadu	KAKA	Northern Territory,Australia	12.7115S	132.4396E	100	
Kakani	KKN	Nepal	27.7900N	85.2800E	1920	From 1980-03-01
Kakaramea	KATZ	North Island,New Zealand	38.9764S	175.6946E	1280	
Kakegawa	KGW	Shizuoka,Japan	34.8626N	138.0222E	69	
Kakegawa	JKKG	Shizuoka,Japan	34.7857N	137.9732E	-450	
Kakhk	KHI	Iran	34.1433N	58.6417E	1600	From 1971-04-01
Kakioka	KAK	Ibaraki,Japan	36.2317N	140.1930E	27	
Kakioka Outpost	KAKJ	Ibaraki,Japan	36.2050N	140.1730E	-80	From 1978-01-01
Kalaidasht	KLD	Tajikistan	38.5300N	69.4800E		
Kalalua Cone	KLCH	Hawaii,U.S.A.	19.4058N	155.0680W	659	
Kalamazoo	KZM	Michigan,U.S.A.	42.1528N	85.8211W		From 1978-02-01 to 1996-12-31
Kalaupapa	KPA	Hawaii,U.S.A.	21.1900N	156.9848W	4	
Kalavryta, Achaia	KLV	Greece	38.0437N	22.1504E	758	From 2009-04-08
Kalayaan	KIPH	Spratly Islands	11.0530N	114.2840E	2	
Kalborn	LKLB	Luxembourg	50.1000N	6.1086E	320	From 1995-04-01
Kald??rsel	IKAS	Iceland	64.0229N	21.8520W	108	From 2006-02-03
Kalfafell	IKAL	Iceland	63.9480N	17.6870W	78	From 1996-10-22
Kalgarh	KALG	Uttar Pradesh,India	29.5062N	78.7537E	0	
Kalgoorlie	KLGA	Western Australia,Australia	30.7175S	121.4380E	390	From 1986-05-12 to 1988-08-10
Kalgoorlie	KLG	Western Australia,Australia	30.7837S	121.4580E	360	From 1964-01-01 to 1986-05-12
Kalianget	KMMI	Jawa,Indonesia	7.0500S	113.9667E	0	
Kaliastana	KALI	Jawa,Indonesia	7.1064S	106.6590E	810	
Kalibo	KALP	Panay,Philippines	11.6780N	122.3380E	15	
Kaliningrad	KLNR	Kaliningradskaya Oblast'	54.6044N	20.2094E	8	From 2009-04-10
Kalithea	KALE	Greece,Greece	38.3911N	22.1398E	760	From 2008-01-01
Kalix	KALU	Sweden	65.8596N	23.3567E	30	From 2006-09-19
Kalltalsperre	KLL	Nordrhein-Westfalen,Germany	50.6467N	6.3113E	440	
Kalmit	KTD	Rheinland-Pfalz,Germany	49.3202N	8.0837E	670	From 1971-10-01
Kalocsa	KAL	Hungary	46.5286N	18.9764E	93	
Kaloudiana Chania	KLDN	Crete,Greece	35.4870N	23.6905E	44	From 2006-12-01
Kalpa	KLP	Himachal Pradesh,India	31.5333N	78.2500E	2724	
Kalwaria Paclawska	KWP	Poland	49.6314N	22.7075E	448	From 1999-06-24
Kamafusa	KMF	Miyagi,Japan	38.2100N	140.7017E	180	
Kamakawa 2	JKK2	Kamikawa,Japan	43.8728N	142.7480E	350	
Kamakura	KMK	Kanagawa,Japan	35.3167N	139.5500E		
Kaman	KAMT	Turkey	39.3690N	33.7130E	1161	
KAMANJAB	KJAB	Namibia	19.6200S	14.8480E	1071	From 2006-04-05
Kamaran Island	KAMRY	Yemen	15.3327N	42.6158E	23	From 2007-10-10
Kamar-syah	IKMR	Iran	33.5178N	48.3803E	0	From 2008-01-01
Kamata	KTJ	Shizuoka,Japan	34.9433N	139.0870E	58	From 1979-04-01 to 1990-03-20
Kamata 2	KTJJ	Shizuoka,Japan	34.9252N	139.0640E	175	From 1990-03-20
Kambalda	KMBL	Western Australia,Australia	31.3669S	121.8821E	370	From 2000-11-28
Kamenistaya	KMNR	Kamchatskaya Oblast',Russia	55.7560N	160.2370E	1100	
Kamenskaya	KMSK	Kamchatskaya Oblast',Russia	62.4669N	166.2055E	45	From 2010-06-24
Kamenskoye	KAMR	Kamchatskaya Oblast',Russia	62.4560N	166.2100E	64	From 1994-10-10
Kameyama	KAM	Mie,Japan	34.8567N	136.4650E	71	
Kameyama	KMYN	Mie,Japan	34.8670N	136.3500E	240	
Kami	KMA	Albania	42.2620N	20.2428E		
Kamigamo	KGMK	Kyoto,Japan	35.0593N	135.7657E	180	
Kamigamo	KMM	Kyoto,Japan	35.0333N	135.7000E	190	
Kamikawa	JKK	Kamikawa,Japan	43.8117N	142.8472E	430	
Kamikawa-asahi	JKA	Kamikawa,Japan	44.1160N	142.6000E	220	From 2009-01-01
Kamikineusu	KMU	Hidaka,Japan	42.2386N	142.9670E	185	From 1967-07-01
Kamikuga	KKGU	Tochigi,Japan	36.5979N	139.6250E	280	From 1976-07-17
Kamimonzen	KV02	Miyazaki,Japan	31.9931N	130.8364E	430	
Kamimuroga	KRJ	Nagano,Japan	36.4164N	138.1510E	621	From 1968-07-01
Kaminaka	KMNK	Tokushima,Japan	33.7865N	134.3057E	280	
Kaminokuni	KKJ	Hiyama,Japan	41.7789N	140.1757E	70	
Kamitakara	KTJD	Gifu,Japan	36.2802N	137.3271E	760	
Kamo	KAMZ	Armenia	40.8250N	43.9500E	1230	
Kamor	KAMOR	Switzerland	47.2896N	9.4875E	1730	
Kamor/St.Gall Rh.T	LIENZ	Switzerland	47.2946N	9.4927E	1720	From 2004-10-28
Kamuela	KML	Hawaii,U.S.A.	20.0317N	155.7000W	740	
Kanab	KN-UT	Utah,U.S.A.	37.0228N	112.8275W	1737	From 1961-12-09 to 1999-08-25
Kanab	KN-	Utah,U.S.A.	37.0228N	112.8275W	1737	From 1961-12-09 to 1999-08-25
Kanab	KEUT	Utah,U.S.A.	37.0503N	112.5293W	1514	From 2008-05-29
Kanab	KNB	Utah,U.S.A.	37.0166N	112.8220W	1715	From 1968-11-01
Kanaga Island Cape Miga	KICM	Alaska,U.S.A.	51.9189N	177.1953W	183	
Kanaga Island Kanaga Volcano	KIKV	Alaska,U.S.A.	51.8788N	177.1704W	411	
Kanaga Island MID Benchmark	KIMD	Alaska,U.S.A.	51.7616N	177.2349W	183	
Kanaga Island North Cape	KINC	Alaska,U.S.A.	51.9314N	177.1276W	198	
Kanaga Island Round Head	KIRH	Alaska,U.S.A.	51.8996N	177.0935W	309	
Kanaga Island Westway Bight	KIWB	Alaska,U.S.A.	51.8531N	177.1508W	244	
Kanahau	KANH	Hawaii,U.S.A.	20.6933N	156.2913W	2745	
Kanaihara	KNJD	Shiga,Japan	35.5716N	136.2846E	300	
Kanaka Peak	KPK	California,U.S.A.	39.5833N	121.3050W	899	From 1969-01-01
Kanangra Walls	KANM	New South Wales,Australia	33.9966S	150.0668E	1206	
Kanayama	KNY	Fukushima,Japan	37.4004N	139.5580E	390	
Kanazawa	KANJ	Ishikawa,Japan	36.5867N	136.6370E	0	From 1991-10-23
Kanazawa	KAN	Ishikawa,Japan	36.5467N	136.6480E	28	
Kanazawa 2	KAN2	Ishikawa,Japan	36.5250N	136.7767E	530	From 1992-04-24
Kanchanaburi	KBR	Thailand	14.0167N	99.5333E	28	From 1986-12-01
Kandavu Island	KDV	Fiji	18.9655S	178.3470E	390	
Kandira	KND	Turkey	41.0527N	30.1608E	50	From 1978-11-01 to 1999-08-25
Kanekii	KIH	Hawaii,U.S.A.	19.5093N	155.7650W	1841	
Kane Nui o Hamo	KNHH	Hawaii,U.S.A.	19.3794N	155.1693W	954	
Kaneyama	JYK	Yamagata,Japan	38.9178N	140.3590E	220	
kangal_SIVAS	CUKAN	Turkey	39.3163N	37.4667E	1523	From 2010-07-09
Kangasniemi	KAF	Finland	62.1128N	26.3061E	205	From 1977-08-31
Kangasniemi	NE62	Finland	62.1120N	26.3060E	124	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kangerlussuaq 2	SF2	Greenland	66.9967N	50.6226W	0	
Kangerlussuaq 2	SFJD	Greenland	66.9960N	50.6215W	80	
Kangurt	KNR	Tajikistan	38.2500N	69.5300E		
Kano Inlet	KANO	British Columbia,Canada	53.2883N	132.6175W	221	
Kansas City	KC-	Missouri,U.S.A.	39.3558N	94.6714W	274	From 1965-10-17 to 1967-01-16
Kansas City	KC-MO	Missouri,U.S.A.	39.3558N	94.6714W	274	From 1965-10-17 to 1967-01-16
Kansas State University--Konza Prairie	KSU1	Kansas,U.S.A.	39.1009N	96.6094W	347	
Kantara	KANT	Cyprus	35.3830N	33.8800E	0	
Kantishna Hills	KTH	Alaska,U.S.A.	63.5530N	150.9220W	975	From 1988-08-15
Kanton	KNTN	Phoenix Islands,Kiribati	2.7744S	171.7190W	0	
Kanzaki	KZT	Hyogo,Japan	35.0739N	134.7933E	200	
Kaohsiung	KAU	Taiwan region	22.5679N	120.3080E	2	
Kaohsiung Port	KAUP	Taiwan region	22.5540N	120.3150E	0	From 2001-08-27
Kaoiki Faults	KFH	Hawaii,U.S.A.	19.4210N	155.4190W	1579	
Kapahiang	KSI	Sumatera,Indonesia	3.6517S	102.5929E	539	
Kapapala Ranch	KLH	Hawaii,U.S.A.	19.2733N	155.4450W	610	From 1969-10-02 to 2000-11-09
Kapiti Island	KIW	North Island,New Zealand	40.8625S	174.9095E	349	From 1978-04-10
Kapoho	KPO	Hawaii,U.S.A.	19.5003N	154.8420W	134	
Kapowsin	B941	Washington,U.S.A.	46.9868N	122.2190W	3	
Kappang	KPNG	Sulawesi,Indonesia	5.0153S	119.7508E	300	
Kappang	KAPI	Sulawesi,Indonesia	5.0142S	119.7517E	30	
Kap Tobin	KTG	Greenland	70.4167N	21.9833W	6	From 1980-09-30 to 2000-05-26
Kapuskasing	KAPO	Ontario,Canada	49.4504N	82.5079W	210	
Kapuskasing	KAO	Ontario,Canada	49.4483N	82.4850W	198	From 1982-09-18 to 1999-08-25
Kaputan	KAPZ	Armenia	40.3220N	44.6990E	1700	
Karabiga	KGT	Turkey	40.4517N	27.3033E	185	From 1984-03-14
Karabiga-Canakkale	KRBG	Turkey	40.3932N	27.2977E	76	From 2008-06-27
Karacabey	KCT	Turkey	40.2656N	28.3567E	451	From 1983-06-01
Karacabey (Bursa)	KCTX	Turkey	40.2655N	28.3565E	451	From 2008-07-11
Karacayir	SVSK	Turkey	39.9170N	36.9980E		
Karachi	KCHI	Pakistan	24.9100N	67.1300E	34	From 2006-07-26
Karachi	KAR	Pakistan	24.9333N	67.1433E	34	
Karacoban	EKAR	Turkey	39.2559N	42.0640E	2129	From 2009-09-29
Karad	KARD	Maharashtra,India	17.3074N	74.1834E	618	
Karad	KAD	Maharashtra,India	17.3075N	74.1833E	582	From 1970-01-01
Karadeniz	KDE	Turkey	41.2889N	31.4250E	290	From 1982-07-01
Karadeniz Ereoli	KDZE	Turkey	41.3132N	31.4429E	410	From 2006-06-29
Karagaybulak	KBK	Kyrgyzstan	42.6564N	74.9478E	1760	
Karahalli	KHL	Turkey	38.3232N	29.5232E	940	From 1988-08-01
Karahalli	KHAL	Turkey	38.3703N	29.4917E	1141	From 2007-05-30
Karaikal	KRKL	Tamil Nadu,India	10.9000N	79.8667E		
Karaisali	KARA	Turkey	37.2607N	35.0546E	366	From 2005-08-26
Karaka Road Borehole	KBAZ	North Island,New Zealand	37.0965S	174.8884E	-148	From 2008-11-11
Karakunidake	KV06	Miyazaki,Japan	31.9494N	130.8711E	1100	
Karamursel	KMS	Turkey	40.6727N	29.5911E	280	From 1978-08-01 to 1999-08-25
Karamyk	DRK	Kyrgyzstan	39.4800N	71.8000E	2627	From 2011-03-12
Karanay	KRNR	Dagestan,Russia	42.8269N	46.9069E	1150	
Karangkates	KRKI	Jawa,Indonesia	8.1583S	112.4525E	0	
Karang Pucung	KPJI	Jawa,Indonesia	7.3330S	108.9310E	0	From 2007-12-01
Karang Ratu	KRAI	Ambon	3.3184S	128.3947E	124	
Karanos	KARN	Crete,Greece	35.4019N	23.9174E	420	From 2004-12-03
Karapiro	KRP	North Island,New Zealand	37.9250S	175.5370E	64	From 1951-06-01 to 1990-02-06
Karasu	KRU	Tajikistan	38.4800N	68.9700E		
Karatas	KRTS	Turkey	36.5731N	35.3749E	53	From 2005-08-25
Karatay Array	KKAR	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK09	Kazakhstan	43.1224N	70.4995E	546	From 2001-12-01
Karatay Array site	KK07	Kazakhstan	43.0891N	70.5008E	528	From 2001-12-01
Karatay Array site	KK02	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK01	Kazakhstan	43.1054N	70.5061E	525	From 2001-12-01
Karatay Array site	KK03	Kazakhstan	43.1028N	70.5012E	529	From 2001-12-01
Karatay Array site	KK08	Kazakhstan	43.1048N	70.4871E	539	From 2001-12-01
Karatay Array site	KK05	Kazakhstan	43.1170N	70.5235E	509	From 2001-12-01
Karatay Array site	KK06	Kazakhstan	43.0944N	70.5255E	533	From 2001-12-01
Karatay Array site	KK04	Kazakhstan	43.1098N	70.5060E	525	From 2001-12-01
Karatay Array site	KK31	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Kardeh	IKRD	Iran	36.7759N	58.5146E	2245	From 2004-06-01
Karewarewa	KAVZ	North Island,New Zealand	39.0986S	175.6458E	1200	
Karewarewa	KRVZ	North Island,New Zealand	39.0962S	175.6412E	1207	From 2004-12-03
Kargi	KART	Turkey	41.1697N	34.3056E	1946	From 1992-01-01 to 1994-05-31
Kariba Dam	KRB	Zimbabwe	16.5267S	28.7950E	805	From 1966-03-01 to 1999-08-25
Karkaralinsk	KKL	Kazakhstan	49.3300N	75.3800E	0	
Karkar Island	KKI	Papua New Guinea	4.5883S	145.9540E	460	From 1975-06-22
Karlskrona	KLS	Sweden	56.1650N	15.5917E	11	
Karlsruhe	KRL	Baden-Wurttemberg,Germany	49.0108N	8.4122E	114	From 1905-01-01
Karlsruhe West	KRW	Baden-Wurttemberg,Germany	49.0214N	8.3681E	110	
Karmit	KMTI	Israel	30.1044N	34.7251E	473	
Karmoy	KMY	Norway	59.2120N	5.2470E	58	From 1984-11-01
Karmrakar	KRMZ	Armenia	39.3110N	46.4760E	1480	
Karoi	KRI	Zimbabwe	16.8300S	29.6150E	1343	
Karoi	KRR	Zimbabwe	16.8517S	29.6183E	1380	From 1967-01-01 to 1978-12-31
KARONGA	KARM1	Malawi	9.9541S	33.8954E	522	From 2010-08-05
Karpankyla	KU5	Finland	65.9146N	29.8862E	260	From 2003-11-05
Karpathos	KAP	Greece	35.5508N	27.1747E	250	From 1988-01-01 to 2003-02-24
Karpathos	KARP	Greece	35.5472N	27.1612E	528	
Karpathos	KRPT	Crete,Greece	35.7611N	27.1981E	161	From 2007-05-01
Karratha	KAA	Western Australia,Australia	20.7772S	116.8590E	15	From 1971-02-11 to 1972-08-09
Kars	KARS	Turkey	40.6276N	43.0788E	1450	From 1994-01-13
Kars	DIGO	Turkey	40.4147N	43.3742E	2278	From 2005-08-04
Karuizawa	KRZ	Nagano,Japan	36.3383N	138.5500E	1001	
Karuizawa	KAZ	Nagano,Japan	36.3383N	138.5500E	1001	
Karymshinskiy	KRMR	Kamchatskaya Oblast',Russia	52.8300N	158.1300E	120	From 2002-07-01
Karymskiy	KII	Kamchatskaya Oblast',Russia	54.0360N	159.4490E	900	
Kas	AKAS	Turkey	36.2327N	29.6052E	1279	From 2005-03-24
Kasabonika Lake, First Nations Ontario	KASO	Ontario,Canada	53.5279N	88.6414W	192	From 2005-08-03
Kasai	JKS	Hyogo,Japan	34.9827N	134.8443E	150	
Kasempa	KMZ	Zambia	13.4555S	25.8337E	1223	From 1984-01-01
Kashi	KSH	Xinjiang Uygur Zizhiqu,China	39.5167N	75.9731E	1314	
Kashima	KSJ	Nagano,Japan	36.5762N	137.8050E	1010	From 1968-12-01 to 1969-03-31
Kashiwara	KAJ	Osaka,Japan	34.5000N	135.8000E	120	
Kashiwa-zaki	KZJ	Niigata,Japan	37.3307N	138.5265E	100	
Kashiwa-zaki	KZK	Niigata,Japan	37.2951N	138.5157E	220	
Kasma	KU7	Finland,Finland	65.7582N	28.8991E	265	From 2007-08-13
Kasperske Hory	KHC	Czech Republic	49.1309N	13.5782E	695	From 1973-01-01
Kasrt alli	KSRV	Syria	35.8641N	39.0026E	300	From 2005-01-01
Kastamonu	KAS	Turkey	41.3717N	33.7667E	850	From 1958-09-01
KASTAMONU	KAST	Turkey	41.4904N	33.9286E	677	From 2008-12-02
Kastanea	KTI	Greece	40.3929N	22.1165E	1329	
Kastek	KST	Kazakhstan	43.0430N	75.9630E	1415	
Kastelli Heraklio	KSTL	Crete,Greece	35.3037N	25.0707E	70	From 2006-12-01
Kastellorizon	KSL	Greece	36.1500N	29.5833E	100	From 1988-01-01
Kastoria	KSO	Greece	40.5225N	21.2775E	740	From 1997-01-01
Kasumi	JKSM	Hyogo,Japan	35.5875N	134.6638E	85	
Kasumkent	KSMR	Dagestan,Russia	41.6028N	48.1278E	840	
Kaszmaul Farm, Murdock	S33A	Kansas,U.S.A.	37.5936N	98.0016W	471	From 2009-10-16
Katale	KTL	Congo (Kinshasa)	1.3247S	29.3838E	1600	From 1990-01-01
Katano	KTNK	Osaka,Japan	34.7716N	135.7053E	250	
Katas	KTAS	Punjab	32.7000N	72.6000E	655	From 2010-06-30
Katashina	JKT	Tochigi,Japan	36.7667N	139.2488E	933	
Katherine and Luke Keathley, Corsicana	236A	Texas,U.S.A.	31.9997N	96.5310W	118	From 2010-04-25
Katlanovo	KAY	Former Yugoslav Rep. of Macedonia	41.8958N	21.7017E	248	From 1969-01-01
Katmai	KAWH	Alaska,U.S.A.	58.3837N	154.7992W	777	
Katmai	KTM	Alaska,U.S.A.	58.3247N	155.3760W	945	From 1973-07-27 to 1975-08-24
Katmai Barrier Ridge	KABR	Alaska,U.S.A.	58.1312N	154.9692W	884	
Katmai Bkd Mtn	KBM	Alaska,U.S.A.	58.2750N	155.2017W	732	
Katmai Buttress	KABU	Alaska,U.S.A.	58.2704N	155.2822W	1065	
Katmai Hardscrabble Creek	KAHC	Alaska,U.S.A.	58.6490N	155.0060W	1250	
Katmai Hook Glacier	KAHG	Alaska,U.S.A.	58.4940N	154.5463W	923	
Katmai Ikagluik Creek	KAIC	Alaska,U.S.A.	58.4850N	155.0458W	734	
Katmai Knife Crk	KAKN	Alaska,U.S.A.	58.2970N	155.0611W	1049	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Katmai Mt Cerb's	KCE	Alaska,U.S.A.	58.2433N	155.1833W	777	
Katmai Pasha	KAPH	Alaska,U.S.A.	58.5968N	154.3468W	907	
Katmai Rainbow River	KARR	Alaska,U.S.A.	58.4978N	154.7033W	610	
Katmai Vly 10 NE	KVTA	Alaska,U.S.A.	58.3817N	155.2950W	457	
Kato Vasiliki	VRS	Greece	38.3520N	21.6080E	340	From 2006-05-10
Katrineberg	KTN	Sweden	61.0660N	16.2840E		From 1980-01-01
Katsuura	KTR	Chiba,Japan	35.1478N	140.3153E	10	From 1988-01-01
Katsuyama	KAJD	Fukui,Japan	36.0487N	136.5281E	300	
Katsuyama	KADD	Fukui,Japan	36.0621N	136.5482E	380	
Kauhava	NE63	Finland	63.0470N	22.6680E	55	
Kauri Point	KAAZ	North Island,New Zealand	36.8242S	174.7036E	65	
Kaushut	KAH	Turkmenistan	37.4500N	59.4830E	257	
Kautokeino	KTK5	Norway	69.0096N	23.2273E		
Kautokeino	KTK4	Norway	69.0081N	23.2347E		
Kautokeino	KTK1	Norway	69.0117N	23.2371E	340	From 1989-01-01
Kautokeino	KTK6	Norway	69.0100N	23.2360E	340	
Kautokeino	KTK3	Norway	69.0067N	23.2352E		From 1989-01-01 to 2003-04-05
Kautokeino	KTK2	Norway	69.0075N	23.2374E		From 1989-01-01 to 2003-04-05
Kavak	KVT	Turkey	41.0806N	36.0464E	650	From 1976-08-01
Kavala	KAVA	Greece	40.9967N	24.5137E	157	From 2008-05-16
Kavieng	KVG	New Ireland,Papua New Guinea	2.5878S	150.8120E	10	From 1974-05-01
Kavieng	KAV	New Ireland,Papua New Guinea	2.5733S	150.8170E	4	From 1971-08-25 to 1974-05-31
Kavouri	KVR	Greece	37.8278N	23.7695E	60	
Kawah Idjen	KIJ	Jawa,Indonesia	8.0667S	114.2330E		
Kawai	KWJ	Shiga,Japan	35.5154N	136.2494E	170	
Kawasaki	HRM	Kanagawa,Japan	35.5506N	139.6792E	-536	
Kawatabi	KWT	Miyagi,Japan	38.7533N	140.7600E	260	
Kawauchi	JFK	Fukushima,Japan	37.3665N	140.8745E	520	
Kawazu	KWZ	Shizuoka,Japan	34.7625N	138.9900E	65	
Kaweka Forest	KWHZ	North Island,New Zealand	39.4240S	176.4228E	854	From 2010-06-02
Kawich Peak	KP-NV	Nevada,U.S.A.	37.8975N	116.4592W	2134	
Kawich Range	KRNA	Nevada,U.S.A.	37.7417N	116.3803W	1980	From 1980-04-23 to 2002-10-10
Kayabasi	BDRM	Turkey	37.0653N	27.4442E	368	From 2003-05-26
Kayabe	JKB	O shima,Japan	41.8877N	141.0325E	10	
Kayak Island	KYK	Alaska,U.S.A.	59.8683N	144.5230W	375	From 1974-10-02 to 1999-08-25
Kayak Island	KAIM	Alaska,U.S.A.	59.9268N	144.4160W	311	
Kaye Shedlock's, Cheyenne Wells	KSCO	Colorado,U.S.A.	39.0112N	102.6273W	1382	From 2008-10-28
Kayrak	KYR	Turkey	36.3517N	33.5253E	1210	From 1988-01-01
KAYSERI_Yahyali	YAHY	Turkey	38.0947N	35.3630E	1230	From 2011-05-31
Kazeroun	IKAZ	Iran	29.7796N	51.8400E	2805	From 2002-10-01
Kaziranga	KZI	Assam,India	26.5767N	93.4083E	130	From 1983-02-01
Kazreti	KZR	Georgia	41.3815N	44.4153E	740	From 2003-01-01
Kealakekua	KLK	Hawaii,U.S.A.	19.5220N	155.9200W	505	From 1964-01-28 to 1974-01-31
Kealakomo	KEA	Hawaii,U.S.A.	19.3083N	155.1600W	201	
Keanakolu	KKU	Hawaii,U.S.A.	19.8898N	155.3430W	1863	
Keban	KEB	Turkey	38.7978N	38.7278E	739	From 1974-05-28
Kecel	PKS2	Hungary	46.4920N	19.2131E	106	
Kechabta	KCHT	Tunisia	37.1100N	9.9400E	565	
Kecovo	KECS	Slovakia	48.4832N	20.4856E	345	From 2003-12-15
Kecskemet	KEC	Hungary	46.9122N	19.6983E	122	
Kedomdong	KEDI	Lombok,Indonesia	8.4870S	116.1130E	560	From 1991-01-01
Kedougou	KDS	Senegal	12.5687N	12.2112W	110	From 1976-05-01
Kedougou	KDG	Senegal	12.9258N	12.3214W		
Kedougou	KED	Senegal	12.9258N	12.3214W		From 1974-08-01 to 1976-08-01
Kedougou	KED*	Senegal	12.5687N	12.2112W		From 1976-08-01
Keefer Ranch, Vananda	E21A	Montana,U.S.A.	46.5408N	107.0757W	834	From 2008-08-10
Keeler	KEEL	Oregon,U.S.A.	45.5502N	122.8951W	67	
Keelung Port	KLUP	Taiwan region	25.1330N	121.7410E	0	From 2001-04-10
Keen Camp Maintenance Station	KEE	California,U.S.A.	33.6383N	116.6530W	1366	From 1975-02-01
Keen Mountain	KMV	Virginia,U.S.A.	37.2083N	82.0258W	500	From 1969-01-01 to 1969-12-31
Keepit Bedrock	KPTM	New South Wales,Australia	30.8851S	150.4819E	295	
Keepit Dam	KPAM	New South Wales,Australia	30.8791S	150.4902E	264	
Keeseville	KSVO	New York,U.S.A.	44.5424N	73.6861W	388	
Keetly	KLJ	Utah,U.S.A.	40.6308N	111.4050W	1992	From 1992-10-30
Kefar Szold	KSDI	Israel	33.1920N	35.6590E	123	
Kef Ayad	AKAY	Algeria	36.3063N	4.9353E	1485	
Kef el Ahmar	CKHR	Algeria	36.0167N	5.5122E	1280	
Kef-Lekhel	CKFL	Algeria	36.4000N	6.7200E	1229	From 2004-12-01
Keg River	KV-AT	Alberta,Canada	56.8303N	117.3239W	305	From 1965-10-12 to 1965-11-15
Keg River	KV-	Alberta,Canada	56.8303N	117.3239W	305	From 1965-10-12 to 1965-11-15
Kehvi	KEH	Georgia	42.3082N	43.9339E	1031	From 2007-12-29
Keihoku	JWK2	Soya,Japan	45.3162N	141.8975E	60	
Keihoku	KHK	Kyoto,Japan	35.1774N	135.6623E	260	
Keimoes	KEIM	Cape Province	28.7040S	20.9680E	760	From 2010-12-22
Kejulik	KJL	Alaska,U.S.A.	58.0540N	155.5732W	792	From 1996-08-01
Kekaha	KEKH	Hawaii,U.S.A.	21.9829N	159.7110W	54	From 2007-07-18
Keklikteppe	KEKT	Turkey	40.4853N	29.2422E	950	From 1994-01-01
Kelakatan	KELI	Bali,Indonesia	8.2167S	114.4910E	591	
Kelbejer	KBJ	Azerbaijan	40.1500N	46.0900E	1350	From 1984-01-01 to 1993-01-01
Kelkit	KELT	Turkey	40.1486N	39.2556E	1912	From 2003-11-06
Kellerberrin	KLB	Western Australia,Australia	31.5923S	117.7600E	300	From 1981-09-23 to 2006-05-29
Kellerberrin	KLBR	Western Australia,Australia	31.5915S	117.7546E	320	From 1999-10-13
Kellogg	KGI	Idaho,U.S.A.	47.4883N	116.0820W	1400	From 1970-01-01 to 1975-01-31
Kelly Canyon	KCI	Idaho,U.S.A.	43.6688N	111.6640W	1902	
Kelly Hill Caves	KELC	South Australia,Australia	35.9825S	136.9111E	100	
Kelly School	KSWY	Wyoming,U.S.A.	43.6226N	110.6280W	2031	
Kelsey	KELB	British Columbia,Canada	48.6611N	123.5701W	53	
Kelsey Bay	KBB	British Columbia,Canada	50.3847N	126.0280W	1310	From 1986-08-23
Kelsey New	KLNB	British Columbia,Canada	48.6611N	123.5706W	53	
Keltepe	KLT	Turkey	40.6435N	30.1006E	1601	From 1978-09-01 to 1980-12-31
Kelud	KEL	Jawa,Indonesia	8.1000S	112.9000E		
Kemaliye	KEMA	Turkey	39.2688N	38.4932E	1026	From 2006-10-19
Kemerovo	KEM	Kemerovskaya Oblast',Russia	55.3429N	86.0886E	122	From 2005-05-19
Kenai	KEN	Alaska,U.S.A.	60.6167N	151.1533W	10	From 1964-04-04 to 1964-06-26
Kendall Valley, Cora	J18A	Wyoming,U.S.A.	43.2112N	110.0200W	2357	From 2007-11-05 to 2009-05-17
Kendari	KDI	Sulawesi,Indonesia	3.9574S	122.6192E	55	From 2005-01-01
Kendrikon	KNT	Greece	41.1619N	22.8981E	380	From 1981-01-01
Kenedy	735A	Texas,U.S.A.	28.8553N	97.8081W	90	From 2009-12-18
Kennady Lake	KNDN	Northwest Territories,Canada	63.4193N	109.2013W	421	
Kennard Place, Willow Creek	F16A	Montana,U.S.A.	45.7843N	111.6262W	1350	From 2007-10-18 to 2009-07-11
Kennedy	BKA	Alabama,U.S.A.	33.6339N	87.9690W	122	
Kennewick	KE-WA	Washington,U.S.A.	46.1400N	119.2775W	396	
Kennewick	KE-	Washington,U.S.A.	46.1400N	119.2775W	396	
Kent Elementary ANSS-SMO	KNEL	Washington,U.S.A.	47.3805N	122.2519W	14	From 2004-08-01
Kentfield	KFC	California,U.S.A.	37.9550N	122.5530W	6	
Kent State University	KSUO	Ohio,U.S.A.	41.1509N	81.3504W	370	
Kepong	FRIM	Peninsular Malaysia,Malaysia	3.2370N	101.6250E	98	From 1996-01-01
Keramoti	KERA	Crete,Greece	35.3692N	23.5577E	240	
Keravat	KET	New Britain,Papua New Guinea	4.3331S	152.0360E	17	From 1969-03-26 to 1970-12-31
Keravat	KRT	New Britain,Papua New Guinea	4.3529S	152.0520E	20	From 1966-11-18 to 1969-04-07
Kerch	KERU	Ukraine	45.3100N	36.4600E	50	From 1997-05-01
Kerema	KRG	Papua New Guinea	7.9597S	145.7690E	14	
Keren	KERI	Israel	30.9900N	34.4900E	360	
Kereru	KRHZ	New Zealand	39.6449S	176.3699E	530	From 2008-05-17
KERGUELEN INFRASONIC ARRAY REFERENCE ELEMENT	PS38	Kerguelen Islands	49.3458S	70.2416E	84	From 2007-12-10
Kerinci	KRJI	Sumatera,Indonesia	2.0912S	101.4619E	811	From 2005-01-01
Kerkira	KEK	Greece	39.7130N	19.7987E	280	From 1989-03-01
Kerman	KRBA	Iran	29.9797N	56.7523E		
Kerman	KRBR	Iran	29.9822N	56.7605E	2576	From 2004-06-01
Kermanshah	KER	Iran	34.3850N	47.1319E	1330	
Kermit	KM5	Texas,U.S.A.	31.8317N	103.0317W	874	From 1976-10-15 to 1999-08-25
Kermit	KM9	Texas,U.S.A.	31.7482N	102.8563W	888	From 1976-10-14 to 1999-08-25
Kermit	KT7	New Mexico,U.S.A.	31.7092N	103.3060W	847	From 1975-11-13 to 1999-08-25
Kermit	KT4	New Mexico,U.S.A.	31.9100N	103.3152W	948	From 1976-01-17 to 1999-08-25
Kermit	KT8	New Mexico,U.S.A.	31.7067N	103.0972W	840	From 1976-01-16 to 1999-08-25
Kermit	KT3	New Mexico,U.S.A.	31.6227N	103.2888W	855	
Kermit	KTE	Texas,U.S.A.	31.5278N	103.0970W	799	From 1976-01-15 to 1976-10-14
Kermit	KT9	New Mexico,U.S.A.	31.7178N	102.8810W	869	From 1976-01-17 to 1976-10-14
Kermit	KT2	New Mexico,U.S.A.	32.0894N	103.1020W	927	From 1976-01-20 to 1976-12-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kermit	KM3	Texas,U.S.A.	31.6777N	103.2092W		
Kermit	KM6	Texas,U.S.A.	31.9825N	102.8632W	1030	From 1976-10-16 to 1999-08-25
Kermit	KIT	Texas,U.S.A.	31.5436N	102.8820W	795	
Kermit	KKT	Texas,U.S.A.	31.6227N	103.2890W		
Kermit	KM2	Texas,U.S.A.	32.0925N	103.0718W	932	
Kermit	KME	Texas,U.S.A.	31.5782N	103.1200W	816	From 1976-10-14 to 1999-08-25
Kermit	KTT	Texas,U.S.A.	31.5436N	102.8820W	795	From 1975-11-10
Kermit	KT1	New Mexico,U.S.A.	32.0683N	103.3290W	930	From 1975-11-08 to 1999-08-25
Kermit	KT5	New Mexico,U.S.A.	32.0680N	103.3260W		From 1976-03-24 to 1976-10-15
Kermit	KIE	Texas,U.S.A.	31.6068N	103.1957W	828	
Kermit	KTX	Texas,U.S.A.	31.5305N	103.2897W	847	From 1976-01-16 to 1999-08-25
Kern-Tulare	WKTM	California,U.S.A.	35.7940N	118.4420W	890	
Kerrville	533A	Texas,U.S.A.	30.0718N	99.0351W	556	From 2009-11-07
Keshet	KSHT	Israel	32.9820N	35.8110E	719	From 1991-05-01
Keskin Array Beam Reference Point	BRTR	Turkey	39.7250N	33.6390E	1440	
Keskin Array Site 101	BR101	Turkey	39.7254N	33.6391E	1437	
Keskin Array Site 102	BR102	Turkey	39.7355N	33.6486E	1525	
Keskin Array Site 103	BR103	Turkey	39.7196N	33.6570E	1488	
Keskin Array Site 104	BR104	Turkey	39.7074N	33.6414E	1346	
Keskin Array Site 105	BR105	Turkey	39.7180N	33.6173E	1431	
Keskin Array Site 106	BR106	Turkey	39.7338N	33.6180E	1372	
Keskin Array Site 131	BR131	Turkey	39.7253N	33.6390E	1414	
Keskin MP Array Beam Reference Point	BRMAR	Turkey	39.8417N	32.7760E	1257	
Keskin MP Array Site 231	BR231	Turkey	39.8417N	32.7760E	1196	
Keskin MP Array Site 232	BR232	Turkey	39.9285N	32.9820E	1071	
Keskin MP Array Site 233	BR233	Turkey	39.7935N	32.9813E	1	
Keskin MP Array Site 234	BR234	Turkey	39.6519N	32.8001E	1002	
Keskin MP Array Site 235	BR235	Turkey	39.7413N	32.5916E	1217	
Keskin MP Array Site 236	BR236	Turkey	39.8795N	32.5511E	1035	
Keskin MP Array Site 237	BR237	Turkey	40.0187N	32.7304E	1045	
Kesra	KEST	Tunisia	35.7318N	9.3460E	885	
KESRA INFRASONIC ARRAY REFERENCE POINT	I48TN	Tunisia	35.8052N	9.3230E	848	From 2006-06-02
Kestanelik-??atalca	CTKS	Turkey	41.2364N	28.5066E	47	From 2007-09-28
Keswick	CKE	England,United Kingdom	54.5877N	3.1059W	304	
Keswick, Cumbria	KESW	England,United Kingdom	54.5886N	3.1048W	282	From 2008-09-04
Ketchikan	KCN	Alaska,U.S.A.	55.3343N	131.6325W	20	
Ketetahi	KETZ	North Island,New Zealand	39.1006S	175.6520E	1208	From 1985-05-01 to 1992-01-22
Kettenpom Peak	KKPM	California,U.S.A.	40.1458N	123.3350W	1244	
Kettle Butte	KBI	Idaho,U.S.A.	43.5907N	112.3770W	1698	From 1992-01-01
Kettleman Hills	PKEM	California,U.S.A.	36.0615N	120.1090W	288	
Keumsan	KSKMS	South Korea	36.1016N	127.4837E	171	From 2000-12-23
Keung Shan	HKLI	Hong Kong,China	22.2417N	113.8787E	100	From 1997-04-23
Keuruu	KEF	Finland	62.1672N	24.8703E	215	From 1977-08-31
Kevo	KEV1	Finland	69.7558N	27.0125E	97	
Kevo	KEV	Finland	69.7553N	27.0067E	80	From 1967-06-01
Kew	KEW	England,United Kingdom	51.4683N	0.3131W	5	
Kewanee	KEWM	Missouri,U.S.A.	36.6981N	89.5926W	85	
Key Point	KYP	California,U.S.A.	34.1018N	118.8795W	700	
Keystone College	KSPA	Pennsylvania,U.S.A.	41.5570N	75.7681W	297	
Keyworth	KEY1	England,United Kingdom	52.8779N	1.0757W	59	
Keyworth	KEY2	England,United Kingdom	52.8790N	1.0770W	76	
Kfar Ka'horesh	HRSH	Israel	32.7000N	35.2800E	416	
KGF	KGF	Karnataka,India	12.9483N	78.2541E	876	From 1999-01-01
Khabarovsk	HABR	Khabarovskiy Kray,Russia	48.4730N	135.0510E	81	From 2005-04-01
Khabarovsk	KHBR	Khabarovskiy Kray,Russia	48.4740N	135.0560E	81	From 2006-05-17
Khabaz	KBZ	Stavropol'skiy Kray,Russia	43.7286N	42.8975E		
Khafra	HKFR	Egypt	22.5891N	31.3047E	337	
Khaishi	KHS	Georgia	42.9427N	42.1893E	644	From 1967-01-01
Khait	KHAT	Tajikistan	39.1700N	70.8800E	1800	
khalkal	ADB	Iran	37.3700N	48.2000E	1576	
Khamasin	KMSA	Saudi Arabia	20.3710N	44.4950E	715	From 1988-11-01
Khamis Mushayt	KMTU	Saudi Arabia	18.1660N	42.8650E	2000	From 1990-06-13
Khamis Mushayt	KMTA	Saudi Arabia	18.1660N	42.8650E	2000	
Khancoban	KHA	New South Wales,Australia	36.2136S	148.1290E	435	From 1968-09-06
Khandyga	KHG	Sakha,Russia	62.6500N	135.5500E	105	
Khani	KHN	Sakha,Russia	56.9211N	119.7892E	690	From 2005-12-01
Khani	KHNR	Sakha,Russia	56.9210N	119.9790E	690	From 2005-12-11
Khanty-Mansiysk	HMA	Khanty-Mansi Autonomous Okrug,Russia	61.0333N	69.1167E	91	
Khaolaem Dam	KHLT	Thailand	14.7970N	98.5893E	164	
Khao Laem Dam	KHT	Thailand	14.7848N	98.5925E	173	From 1982-10-01
Khapcheranga	KPC	Buryatiya,Russia	49.7039N	112.3789E	953	
Kharkheh	IKAR	Iran	32.4833N	48.1543E	0	From 1998-01-01
Kharsali	KSLI	Himachal Pradesh,India	30.9745N	78.4395E	2555	From 2007-05-01
Khatum	KTMO	Oman	23.4841N	57.6854E	85	From 1998-07-13
Khaybar	KBRS	Saudi Arabia	25.7886N	39.2644E	200	
Kheis	KHE	Arkhangel'skaya Oblast',Russia	80.6167N	58.0500E	21	
Khelvachauri	KHEL	Georgia	41.5742N	41.6963E	32	From 2003-01-01
Khenifra	KHF	Morocco	32.9830N	5.7070W	1060	
Khetri	KHET	Rajasthan,India	28.0740N	75.8063E	330	From 2001-08-01
Khezeriat	SKHZ	Iran	30.9498N	48.5347E	6	From 2010-08-11
Khinaliq	XNQ	Azerbaijan	41.1720N	48.1400E	1985	From 2010-11-10
Khios Island	XIO	Greece	38.2567N	26.0408E	210	From 1997-01-01
Khitrov Hills	KHIT	Alaska,U.S.A.	60.4432N	143.2490W	1101	
Khodzhikent	KDK	Uzbekistan	41.6167N	69.9667E		
Kholmsk	KHLM	Sakhalinskaya Oblast'	47.0550N	142.0520E	45	From 2008-10-10
Khomeyn	KHMZ	Iran	33.7390N	49.9590E	1985	From 2009-01-12
Khomkaen	KHON	Thailand	16.3378N	102.8230E	134	
Khong Chiam	UBPT	Thailand	15.2800N	105.4700E	120	From 2008-01-01
Khon Kaen	KKTK	Thailand	16.3370N	102.8230E	140	From 2001-01-01
Khonsa	KOI	Arunachal Pradesh,India	26.9833N	95.5000E	785	From 1979-01-01
Khor El Raml	AKRL	Egypt	23.6634N	32.7211E	190	
Khorog	KHO	Tajikistan	37.4833N	71.5333E	2199	
Khorongon	KHR	Tajikistan	38.6667N	68.7833E		
Khor Sakr	AKSR	Egypt	23.6372N	33.0208E		
Khovu-Aksy	HVS	Krasnoyarskiy Kray,Russia	51.1358N	93.7022E	1075	From 2007-04-25
Khrisi	XRY	Crete,Greece	34.8748N	25.6943E	21	
Khumson	KHUM	Tajikistan	41.6800N	69.9500E	850	
Khunzakh	XNZR	Dagestan,Russia	42.5417N	46.7050E	1640	
Khuramsha	HRMR	Buryatiya,Russia	51.6280N	106.9550E	620	From 1997-04-01
Khuzdar	KHUZ	Pakistan	27.7800N	66.6000E	1244	From 2007-11-10
Khvani	KHVA	Georgia	42.1902N	43.5236E	829	From 2007-10-03
Kiagna River	KIAG	Alaska,U.S.A.	60.9236N	142.3587W	1773	
Kiajanaja	KJA	Guatemala	15.7398N	91.7827W	2280	From 1980-10-01 to 1999-08-25
Kiara Terrace	KIA	Pakistan	34.1133N	72.7133E	497	
Kiasar	IKIA	Iran	36.2070N	53.6837E	2167	From 2000-08-01
KIBA	KIBA	Tanzania	5.1831S	36.3446E	1520	
Kibati	KBTI	Congo (Kinshasa)	1.5690S	29.2770E	2000	
Kibumba	KBBA	Congo (Kinshasa)	1.5190S	29.3330E	2029	
Kibwezi	KIBK	Kenya	2.3400S	38.0460E	775	From 1996-06-01
Kidapawan	KCP	Mindanao,Philippines	7.0090N	125.0900E	598	
Kidman Hollow	KDUT	Utah,U.S.A.	41.7213N	112.0290W	1829	From 1978-10-01
Kiev	KIEV	Ukraine	50.6944N	29.2083E	123	
Kigali	KIG	Rwanda	1.9634S	30.0633E	1545	From 2008-10-09
Kiinagashima	JKN	Mie,Japan	34.2483N	136.2633E	90	
Kijevo	KIJV	Croatia	44.0050N	16.4050E	413	From 2004-04-07
Kijyo	JKJ	Miyazaki,Japan	32.2483N	131.4150E	380	
Kikaishima	JZK	Ryukyu Islands,Japan	28.3145N	129.9720E	130	
Kika Raxquin	KIK	Guatemala	14.8130N	91.4105W	3200	From 1980-10-01
Kilembe	KIL	Uganda	0.2000N	30.0080E	1372	From 1991-07-01
Kilenge	KCM	New Britain,Papua New Guinea	5.4833S	148.3830E	15	From 1975-03-01 to 1980-09-05
Kilima Mbogo	KMBO	Kenya	1.1268S	37.2523E	1940	
Killari	KLRI	Andhra Pradesh	18.0693N	76.5977E	614	From 2009-09-10
Killbear Provincial Park	KLBO	Ontario,Canada	45.3566N	80.2132W	177	
Kilmashogue	DKM	Ireland	53.2553N	6.2644W	280	From 1976-11-01 to 2002-01-06
Kilpisjarvi	KIF	Finland	69.0044N	20.8018E	0	
Kilyos	KLYT	Turkey	41.2530N	29.0420E	30	From 2002-01-01
Kim	S26A	Colorado,U.S.A.	37.6216N	103.4711W	1394	From 2008-12-06
Kimball Elementary School	KIMB	Washington,U.S.A.	47.5752N	122.3016W	100	
Kimball Pass	KMP	Alaska,U.S.A.	61.5143N	145.0300W	1103	From 1977-08-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kimbe	KMBE	New Britain,Papua New Guinea	5.5590S	150.1530E	10	
Kimbe	KMB	New Britain,Papua New Guinea	5.4833S	150.1000E	23	From 1969-11-22 to 1999-08-25
Kimberley	KIM	Orange Free State,South Africa	28.7517S	24.7800E	1321	
Kincaid Ranch	HKRM	California,U.S.A.	36.9017N	121.4260W	66	From 1975-07-03
Kincaid Ranch, Fort Stockton	428A	Texas,U.S.A.	30.7263N	102.6847W	982	From 2008-03-10 to 2010-02-13
Kindia	KING	Guinea	9.9638N	12.8685W	410	From 1991-07-01
King County	TKCO	Washington,U.S.A.	47.5369N	122.3004W	0	
King Edward Point	KEP	South Georgia Islands	54.2800S	36.4800W		From 1972-03-01 to 1999-08-25
Kingman	KG-AS	Arizona,U.S.A.	35.6417N	113.9078W	1067	
Kingman	KG-	Arizona,U.S.A.	35.6417N	113.9078W	1067	From 1963-04-19 to 1963-07-11
Kingman	KG-AZ	Arizona,U.S.A.	35.6417N	113.9078W	1067	From 1963-04-19 to 1963-07-11
King Ranch	KRC	California,U.S.A.	35.3267N	119.7450W	680	
Kingsbay	KBS	Svalbard,Norway	78.9256N	11.9417E	74	From 1994-11-05
Kingscourt	DMU	Ireland	53.8989N	6.9106W	280	From 1976-11-01
Kingscourt	DMUB	Ireland	53.9000N	6.9086W	280	From 1994-04-11
Kings Mountain	KMSC	North Carolina,U.S.A.	35.1420N	81.3333W	240	
Kings Mountain	KMOR	Oregon,U.S.A.	45.6355N	123.4900W	975	From 1982-09-01
Kings Tableland	KTLM	New South Wales,Australia	33.8621S	150.4042E	720	
Kingston	KGNO	Ontario,Canada	44.2272N	76.4934W	89	
Kingston	KIN	Jamaica	17.9737N	76.7851W	32	From 1937-01-01 to 1978-12-09
Kingsville	KVTX	Texas,U.S.A.	27.5459N	97.8929W	14	
Kinkasan	KSN	Miyagi,Japan	38.2717N	141.5883E		
Kinmen	KNM	Taiwan region	24.4167N	118.4333E	13	
Kinomoto	KNJ	Wakayama,Japan	34.2623N	135.1250E	20	From 1965-06-02 to 1965-11-30
Kinomoto	KMT	Wakayama,Japan	34.2623N	135.1250E	20	From 1965-06-02 to 1965-11-30
Kipapa	KIP	Hawaii,U.S.A.	21.4233N	158.0140W	73	
Kipawa	MLQ1	Quebec,Canada	46.8036N	78.9873W	299	
Kipourio	KPRO	Greece	39.9549N	21.3632E	837	From 2011-03-30
Kipp Ranch, Antelope Well	320A	New Mexico,U.S.A.	31.3369N	108.5284W	1414	From 2008-02-16 to 2010-01-19
Kipuka Nene	KNH	Hawaii,U.S.A.	19.3350N	155.2900W	924	From 1967-09-21
Kiractepe	KRCT	Turkey	41.0814N	32.8792E	1449	From 1993-07-01 to 1994-06-30
Kirbyville	440A	Texas,U.S.A.	30.7456N	93.9587W	59	From 2010-05-22
Kirchzarten	KIZ	Baden-Wurttemberg,Germany	47.9562N	7.9182E	445	From 1987-01-01
Kirikhan	KRH	Turkey	36.4922N	36.3466E	220	From 1979-12-01 to 1999-08-25
Kiri Road	TKEZ	North Island,New Zealand	39.3895S	174.0075E	330	
Kirishev	KIRR	Kamchatskaya Oblast',Russia	55.9530N	160.3420E	1475	From 2006-08-01
Kirishima Volcano	KV01	Kagoshima,Japan	31.9447N	130.8478E	1215	
Kiritimati	XMAS	Kiribati	2.0448N	157.4453W	1	
K¯–rka- Seyitgazi ESKISEHIR	AUKIR	Turkey	39.2772N	30.5308E	1088	From 2010-06-20
Kirkby Lonsdale	LKL	England,United Kingdom	54.2185N	2.5345W	396	From 1989-01-01 to 1992-10-14
Kirkenes	KRK	Norway	69.7242N	30.0625E	25	
Kirkland Lake	KILO	Ontario,Canada	48.4970N	79.7233W	322	
Kirkland Lake	KLC	Ontario,Canada	48.1447N	80.0292W	310	
Kirkland Lake	KLO	Ontario,Canada	48.2060N	79.9950W	350	
Kirkuk	IKRK	Iraq	35.4000N	44.3400E	331	From 2009-01-01
Kirkwood Meadows Resort, Kirkwood	R05C	California,U.S.A.	38.7028N	120.0755W	2366	From 2005-08-05 to 2007-10-05
Kirov	KIRV	Kirovskaya Oblast',Russia	58.5850N	49.4158E	0	
Kirovskiy	KROS	Amurskaya Oblast',Russia	54.4330N	126.9710E	455	
Kiruna	KIR	Sweden	67.8400N	20.4167E	390	
Kishima-dake	KISK	Kumamoto,Japan	32.8926N	131.0669E	1105	
Kishinev	KIS	Moldova	46.9980N	28.8180E	185	
Kishinomiya	KISE	Wakayama,Japan	34.2220N	135.3000E	75	
Kislovodsk	KIV	Stavropol'skiy Kray,Russia	43.9553N	42.6863E	1054	
Kislovodsk Array Beam Reference Point	KVAR	Stavropol'skiy Kray,Russia	43.9557N	42.6952E	1196	
Kislovodsk Array Site 0	KIV0	Stavropol'skiy Kray,Russia	43.9557N	42.6952E	1196	
Kislovodsk Array Site 1	KIV1	Stavropol'skiy Kray,Russia	43.9570N	42.6946E	1196	
Kislovodsk Array Site 2	KIV2	Stavropol'skiy Kray,Russia	43.9554N	42.6970E	1196	
Kislovodsk Array Site 3	KIV3	Stavropol'skiy Kray,Russia	43.9547N	42.6939E	1196	
Kitadake	KITD	Kagoshima,Japan	31.5992N	130.6461E	450	
Kita-Gairin	NRMH	Iburi,Japan	42.5479N	140.8392E	484	
Kitakami	KGJ	Iwate,Japan	39.3883N	141.5650E	376	
Kitakata	JKIT	Miyazaki,Japan	32.6245N	131.4535E	180	From 1997-03-01
Kitausu	KITH	Iburi,Japan	42.5239N	140.8104E	120	
Kithairon Oros	MKIT	Greece	38.1842N	23.2599E	1406	
Kithira	KYTH	Greece	36.2807N	23.0363E	458	
Kitsap County Moderate Risk Waste Facility	KIMR	Washington,U.S.A.	47.5031N	122.7672W	100	
Kitsap County North Road Shed	KINR	Washington,U.S.A.	47.7517N	122.6431W	100	
Kitsap County Wastewater Treatment Plant	KITP	Washington,U.S.A.	47.6750N	122.6297W	100	
Kiyosumi	KIY	Chiba,Japan	35.1500N	140.1830E	290	
Kiyosumi	KYS	Chiba,Japan	35.1977N	140.1480E	180	From 1966-04-01
Kizilcal	KIZT	Turkey	38.8800N	31.8800E	1202	
Kizimen	KZV	Kamchatskaya Oblast'	55.1130N	160.2940E	1509	From 2009-11-10
Kizyl-Arvat	KAT	Turkmenistan	39.0280N	56.2700E	200	
Klagenfurt	KFA	Austria	46.6483N	14.3278E	450	
Klamath Falls	L04A	Oregon,U.S.A.	42.1750N	121.8910W	1336	From 2006-05-24 to 2007-10-26
Klamath Falls	KFAL	Oregon,U.S.A.	42.2577N	121.7851W	1326	
Klamath Falls	KFO	Oregon,U.S.A.	42.2667N	121.7450W	1439	From 1962-01-01
Klaveano Farm, Fernwood	D11A	Idaho,U.S.A.	47.0477N	116.3353W	849	From 2006-11-11 to 2008-06-07
Klein Altendorf	BA10	Nordrhein-Westfalen,Germany	50.6131N	6.9945E	186	From 2006-10-01
Kleinbodungen	KBDG	Thuringen,Germany	51.3334N	10.8669E	425	From 2008-06-18
Klimovskoe	KLMR	Arkhangel'skaya Oblast',Russia	60.8539N	39.5186E	157	From 2003-11-25
Klindworth Farms, Hogeland	A19A	Montana,U.S.A.	48.9286N	108.7429W	971	From 2008-08-27 to 2010-07-20
Klokotos Trikala	THL	Thessaly,Greece	39.5647N	22.0145E	107	From 2006-09-22
Kloof	KLOF	South Africa	26.3498S	27.6100E	1631	From 2006-08-16
Kluane	KEY	Yukon Territory,Canada	61.0500N	138.5020W	785	From 1979-03-09 to 1981-07-25
Kluang	KGM	Peninsular Malaysia,Malaysia	2.0157N	103.3190E	103	
Klutina	KLU	Alaska,U.S.A.	61.4928N	145.9200W	1012	From 1972-08-09
Klyuchi	KLY	Kamchatskaya Oblast',Russia	56.3130N	160.6520E	100	
Knez@19ji Dol	KNDS	Slovenia	45.5279N	14.3806E	1024	From 2004-01-01
Knife Ck. Glacier	KCG	Alaska,U.S.A.	58.3076N	155.1114W	762	
Knight Island	KNIM	Alaska,U.S.A.	60.3487N	147.7360W	434	
Knik Glacier	KNK	Alaska,U.S.A.	61.4125N	148.4560W	595	
Knox Farm, Ray	B25A	North Dakota,U.S.A.	48.2716N	103.1613W	705	From 2009-07-28
Knox Ranch	KNO	California,U.S.A.	35.4833N	118.5280W	1090	From 1952-07-01 to 1952-11-10
Knoxville	HPKT	Tennessee,U.S.A.	35.9260N	83.8790W	305	From 1980-03-25 to 1991-04-01
Kobayashi Ranch	KBY	California,U.S.A.	33.0402N	115.7010W	-51	From 1975-02-01 to 1976-05-31
Kobe	KBE	Hyogo,Japan	34.7345N	135.1778E	440	
Kobe	KOB	Hyogo,Japan	34.6883N	135.1800E	58	
Kobuan	KOA	Bougainville,Papua New Guinea	6.2241S	155.6190E	65	From 1969-12-07 to 1972-11-30
Kobugahara	KBH	Tochigi,Japan	36.6550N	139.5286E	700	
Kocaeli-Kandira	KAND	Turkey	41.0943N	30.1922E	75	From 2010-11-25
Kochi	KOC	Kochi,Japan	33.5533N	133.5370E	-1	
Kodaikanal	KOD	Tamil Nadu,India	10.2333N	77.4667E	2345	From 1910-01-01
Kodera	KDT	Japan	34.9183N	134.7127E	200	From 1970-10-01 to 1972-06-01
Kodiak	KD1	Alaska,U.S.A.	57.7467N	152.4920W		From 1964-04-21 to 1964-05-10
Kodiak	KD2	Alaska,U.S.A.	57.7583N	152.4930W		From 1964-04-10 to 1964-05-03
Kodiak	KD3	Alaska,U.S.A.	57.7483N	152.5150W		From 1964-05-14 to 1964-08-17
Kodiak Island	KDC	Alaska,U.S.A.	57.7478N	152.4920W	13	From 1964-04-02 to 2004-04-03
Kodiak Island	KDAK	Alaska,U.S.A.	57.7828N	152.5835W	64	
Kodinsk	KDN	Krasnoyarskiy Kray,Russia	58.5910N	99.1920E	296	From 2007-09-28
Koelnbreinsperre	KBA	Austria	47.0784N	13.3447E	1721	From 1981-11-01
Koeppel	KOE	Rheinland-Pfalz,Germany	50.4253N	7.7317E	540	
Koester Ranch, Padroni	N26A	Colorado,U.S.A.	40.8289N	103.2221W	1284	From 2008-12-08
Koforidua	KOGH	Ghana	6.0842N	0.2431W	483	From 1987-01-01
Kofu	KFU	Yamanashi,Japan	35.7426N	138.5683E	590	
Kofu	KOF	Yamanashi,Japan	35.6650N	138.5567E	274	
Kog	KOGS	Slovenia	46.4481N	16.2503E	240	From 2004-03-01
Kogok River	KGR	Alaska,U.S.A.	63.1692N	162.0667W	320	
Kohala	KOH	Hawaii,U.S.A.	20.1282N	155.7800W	1166	
Kohestak	KHSK	Iran	26.7568N	57.0528E	40	From 2010-04-30
KOHEUNG	KOHB	South Korea	34.6184N	127.2758E	68	From 2009-09-24
Koh Gabri	KHGB	Iran	30.3755N	56.4768E	2057	From 2010-05-05
Kohima	KHM	Nagaland,India	25.6631N	94.0761E	1630	From 1979-01-01
KOHIMA	KOHI	Nagaland	25.7203N	94.1081E	1353	From 2011-05-01
Kohlern	KOSI	Italy	46.4630N	11.3778E	1604	From 2006-12-13
Kohler Place, Littleton	P24A	Colorado,U.S.A.	39.5144N	104.9082W	1861	From 2008-06-10
Kohls Ranch	KH-AZ	Arizona,U.S.A.	34.4833N	111.0342W	2286	From 1964-04-02 to 1964-06-18
Kohls Ranch	KH-	Arizona,U.S.A.	34.4833N	111.0342W	2286	From 1964-04-02 to 1964-06-18
Kohzaman	HKZM	Iran	35.3775N	48.9045E	2334	From 2011-04-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Koide	K12	Iwate,Japan	39.4575N	141.4989E	534	
Koidern River	KRY	Yukon Territory,Canada	61.9700N	140.4080W	686	
Koike	KOID	Kagoshima,Japan	31.5872N	130.6128E	40	
Kokohu	KNZ	North Island,New Zealand	39.0214S	177.6736E		
Kokoji	K04	Iwate,Japan	39.3611N	141.5192E	477	
Kokstad	KSD	Cape Province,South Africa	30.5410S	29.4167E	1350	From 1993-03-01
Kolacno	KOLL	Slovakia	48.5787N	18.4024E	290	From 2002-12-01
Kolahrood	IKLH	Iran	33.3190N	51.5787E	2280	From 2000-09-01
Kolaka, Sulawesi	KKSI	Sulawesi,Indonesia	4.1718S	121.6513E	89	From 2008-12-01
Kolanjah	KLNJ	Iran	31.0084N	51.5921E	2950	From 2011-04-01
Kolasin	KOME	Montenegro	42.8505N	19.5152E	1030	From 2011-07-26
Kolay	KOL	Turkey	41.4243N	35.7961E	145	From 1976-09-01
Koldanda	KOLN	Nepal	27.7700N	83.6000E	1830	From 1994-04-01
KOLHAPUR, MAHARASTRA	KOLH	Maharashtra,India	16.8338N	74.2813E	563	From 2002-07-02
Koln Dom Grabung	BA19	Nordrhein-Westfalen,Germany	50.9412N	6.9577E	48	From 2006-10-01
Koln University	BA07	Nordrhein-Westfalen,Germany	50.9259N	6.9243E	50	From 2006-10-01
Kolonicke sedlo	KOLS	Slovakia	48.9333N	22.2731E	460	From 2004-09-01
Komaba	KOM	Saitama,Japan	35.6500N	139.7630E	38	
Komagane	KGN	Yamanashi,Japan	35.7518N	137.9719E	629	
Komaggas	KOMG	Cape Province,South Africa	29.7970S	17.4837E	299	
Komakuk Beach	KBT	Yukon Territory,Canada	69.5937N	140.1820W	15	From 1981-08-08
Komarou	KOMA	Tajikistan	39.1000N	70.4000E		
Komasi	IKOM	Iran	34.1745N	47.5102E	1502	From 2004-01-01
Komatsu	KMJD	Ishikawa,Japan	36.3645N	136.5057E	70	
Komatsu	KMD	Ishikawa,Japan	36.3135N	136.4916E	70	
Komgaron	KMGR	Severo-Osetinskaya	43.0572N	44.8659E	740	From 2010-08-07
Kompina	KMC	Cameroon	4.3861N	9.5781E	85	From 1984-12-14
Komsomolabad	KOMS	Tajikistan	38.9000N	69.9500E		
Komsomolskaya	KMSR	Severo-Osetinskaya,Russia	43.3708N	44.2924E	348	From 2005-08-11
Konawaena	KNW	Hawaii,U.S.A.	19.5133N	155.9180W	495	From 1922-01-01 to 1960-12-31
KOND	KOND	Tanzania	4.5453S	35.4745E	1357	
Konedobu	KDB	Papua New Guinea	9.4717S	147.1600E	40	From 1968-01-01
Kongan	KGNI	Nagaland,India	26.7558N	94.8383E	500	
Kongsberg	KONO	Norway	59.6491N	9.5982E	216	From 1991-06-28
Kongsberg	KON	Norway	59.6491N	9.5982E	216	
Konigsberg	KNG	Kaliningradskaya Oblast',Russia	54.8333N	20.5000E	33	
Konitsa	KNS	Greece	40.0596N	20.7592E	1090	From 2008-02-28
Konogogo	EKN	New Ireland,Papua New Guinea	3.4888S	152.1850E	270	
Konpirayama	KONH	Iburi,Japan	42.5541N	140.8168E	230	
Konsvik	KONS	Norway	66.4992N	13.1193E	36	From 2005-07-01
Konsvik	STOK1	Norway	66.5000N	13.1200E	36	From 2005-07-01
Konya-Eregli	KERG	Turkey	37.4146N	34.1250E	1365	From 2010-11-10
Konya-Kulu	KKUL	Turkey	39.1713N	32.9173E	1178	From 2010-11-11
Konya-Meram	KMER	Turkey	37.7685N	32.3680E	1231	From 2010-11-11
Konya--Tatoy	KONT	Turkey	37.9453N	32.3605E	550	
Koohdasht(Tabas)	TKDS	Iran	33.6134N	57.1221E	1222	From 2011-08-01
Kooshah	IKOO	Iran	32.4241N	59.0044E	2245	From 2005-12-01
Kootwijk	NE32	Netherlands	52.1790N	5.8120E	40	
Kopaniny	KOCW	Czech Republic	50.2652N	12.2336E	575	From 1994-01-01
Kop Dagi	KOPT	Turkey	40.0179N	40.4972E	2489	From 2006-09-18
Kophill	SKP1	England,United Kingdom	51.7218N	0.8096W	212	From 1993-01-01
Kopyto	KPT	Kamchatskaya Oblast',Russia	55.9661N	160.2219E	1004	
Kora	KORR	Severo-Osetinskaya,Russia	43.0861N	44.0677E	621	From 2005-11-03
Korca	KBN	Albania	40.6236N	20.7874E	870	
Korea Array	KSRS	South Korea	37.4540N	127.9230E		
Korhogo	LKO	Ivory Coast	9.5444N	5.5889W	435	From 1989-06-01
Korintji-Dempo	KKD	Sumatera,Indonesia	3.7000S	102.9330E		
Korkueli	KORT	Turkey	37.0007N	30.3503E	1304	From 2008-03-06
Korkuteli	KORK	Turkey,Turkey	37.0007N	30.3503E	1304	
Koro	KRO	Fiji	17.3141S	179.3920E	522	From 1981-11-01
Korolevo	KORU	Ukraine	48.1573N	23.1339E	150	From 1998-07-15
Koror	KOR	Caroline Islands,Palau	7.3350N	134.4850E	30	From 1950-01-01 to 1958-12-31
Korovin Flat Point	KOFP	North America,U.S.A.	52.2751N	174.0972W	662	
Korovin Northeast	KONE	Alaska,U.S.A.	52.3936N	174.1193W	253	
Korovin Northwest	KONW	Alaska,U.S.A.	52.3980N	174.2080W	334	
Korovin Southeast	KOSE	Alaska,U.S.A.	52.3450N	174.0500W	625	
Korovin Volcano	KOKV	Alaska,U.S.A.	52.3610N	174.1640W	776	
Korovin West	KOWE	Alaska,U.S.A.	52.3657N	174.2507W	527	
Koryaka	KOK	Kamchatskaya Oblast',Russia	53.2919N	158.6361E	1050	
Koryakskii	KRER	Kamchatskaya Oblast',Russia	53.3040N	158.7490E	1847	From 2009-01-15
Kosan Boka	KIC	Ivory Coast	6.3606N	4.7411W	176	From 1967-06-01
Kosmodemyansk	KOS	Sakhalinskaya Oblast',Russia	44.1000N	145.8830E		
Kosmos	KOSW	Washington,U.S.A.	46.4613N	122.1910W	828	
Kosov	KSV	Ukraine	48.3150N	25.0667E	450	
Kosovska,, Mitrovica	KMIS	Serbia	42.9179N	20.8377E	0	From 2008-01-01
Koster	KSR	Transvaal,South Africa	25.8517S	26.8972E	1623	
Kota Agung	KASI	Sumatera,Indonesia	5.5236S	104.4967E	0	From 2007-12-01
Kotabaru	KBKI	Borneo,Indonesia	3.2995S	116.1670E	0	From 2007-12-01
Kotabumi	KLI	Sumatera,Indonesia	4.8630S	104.8567E	32	
Kotacane, Aceh	KCSI	Sumatera,Indonesia	3.5220N	97.7715E	204	From 2008-12-01
Kota Kinabalu	KKM	Sabah,Malaysia	6.0443N	116.2147E	830	
Kota Tinggi	MYKOM	Peninsular Malaysia,Malaysia	1.7900N	103.8500E	0	From 2006-03-24
Kothagudem	KGD	Andhra Pradesh,India	17.5767N	80.6571E	0	
Kothi	KOTI	Himachal Pradesh,India	32.3077N	77.2000E	2527	From 1985-08-01
Kotkhai	KKHI	Himachal Pradesh,India	31.1015N	77.5814E	2240	From 2007-05-01
Kotohata	K07	Iwate,Japan	39.4164N	141.6564E	554	
Kotokel	KELR	Buryatiya,Russia	52.7600N	108.0800E	460	From 2005-11-03
Kottamaia	KEG	Egypt	29.9275N	31.8292E	460	From 1991-01-01
Kottamia	KOT	Egypt	29.9276N	31.8292E	490	
Kotzebue	KTA	Alaska,U.S.A.	66.8500N	162.6100W	26	From 1976-08-01
Koumac	KOU	New Caledonia	20.5619S	164.2810E	17	
Koumaradei	KOUM	Greece	37.7041N	26.8377E	340	
Kourou	KOG	French Guiana	5.2070N	52.7320W	10	
Koussour	KSU	Djibouti	11.5335N	42.4463E	370	From 1975-11-01
Kouya	JWY	Wakayama,Japan	34.2183N	135.5930E	795	
Kovokta	KVO	Buryatiya,Russia	56.1400N	113.0500E	1280	
Kowa	KOWA	Mali	14.4967N	4.0167W	280	
Kowarra	KOWM	Victoria,Australia	35.7885S	144.5201E	102	
Kowen Forest	KOW	Australian Capital Territory,Australia	35.2883S	149.2980E	792	
Koyama	KOY	Shizuoka,Japan	35.3500N	138.9830E		
Koyna Nagar	KNI	Maharashtra,India	17.3967N	73.7500E	630	From 1963-10-11 to 1999-08-25
Kozaga	JWZ	Wakayama,Japan	33.5305N	135.7148E	230	
Kozan	KOZTB	Turkey	37.4360N	35.8180E	150	From 1993-03-01
Kozan	KOZT	Turkey	37.4805N	35.8267E	381	From 2005-08-25
Kozani	KZN	Greece	40.3067N	21.7708E	900	
Kozel'skiy	KZL	Kamchatskaya Oblast',Russia	53.2010N	158.8940E	950	
Kozjak Brana	KOZJ	Former Yugoslav Rep. of Macedonia	41.8778N	21.1950E	533	From 2004-01-01
Kozu shima	JKO	Bonin Islands,Japan	34.1867N	139.1367E	138	
Kozyr	KOZ*	Kamchatskaya Oblast',Russia	56.0660N	159.8960E		
Kozyr	KOZR	Kamchatskaya Oblast',Russia	56.0660N	159.8960E	450	
Kozyrevsk	KOZ	Kamchatskaya Oblast',Russia	56.0580N	159.8732E	450	
K-Podol'skiy	KMPD	Ukraine	48.5630N	26.4600E	121	
Krabesse	KRAM	Morocco	31.7030N	9.3400W		
Krabi	KRAB	Thailand	8.2215N	99.1965E	58	
Krakow	KRA	Poland	50.0561N	19.9397E	223	From 1954-01-01 to 1992-04-30
Kraliky	KRLC	Czech Republic	50.0753N	16.7817E	754	From 2007-11-01
Kramer	KM-	California,U.S.A.	34.8811N	117.2567W	853	From 1963-04-01 to 1966-03-31
Kramer	KM-CL	California,U.S.A.	34.8811N	117.2567W	853	From 1963-04-01 to 1966-03-31
KRANIDI	KRND	Greece	37.3830N	23.1502E	140	From 2010-06-08
Kraslice	KRCW	Czech Republic	50.3316N	12.5304E	760	From 1994-01-01
KrasnayaPolyana	KPR	Krasnodarskiy Kray,Russia	43.6667N	40.2000E	450	
Krasnodar	KGUR	Krasnodarskiy Kray,Russia	45.0216N	39.0297E	66	
Krasnogorka	KRS	Kazakhstan	43.2500N	75.1667E		
Krasnovodsk	KRF	Turkmenistan	40.0130N	53.0030E	10	
Krasnoyarsk	KRAR	Krasnoyarskiy Kray,Russia	56.0120N	92.8729E	123	From 1999-12-24
Krefeld	NE39	Nordrhein-Westfalen,Germany	51.3425N	6.5375E	40	
Kremmling	O22A	Colorado,U.S.A.	40.1618N	106.5470W	2747	From 2008-06-21
Kremsmunster	KMR	Austria	48.0565N	14.1319E	379	From 1958-01-01
Kreppuhraun	IKRE	Iceland	64.7837N	16.3828W	760	From 2006-11-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Krestovskiy	KRSR	Kamchatskaya Oblast',Russia	56.2169N	160.5653E	1120	
Krib	KRIT	Tunisia	36.3383N	9.0748E	640	
Kristallenia	KRIS	Crete,Greece	35.1780N	25.5030E	850	
Krokottuvotn	IKVO	Iceland	65.7140N	16.8810W	572	From 2002-06-23
Krokur	IKRO	Iceland	64.0980N	21.1200W	147	From 1996-10-08
Kronoki	KRN	Kamchatskaya Oblast',Russia	54.5961N	161.1339E	50	
Krupnik	KKB	Bulgaria	41.8667N	23.0833E	434	
Krusevo	KRUS	Former Yugoslav Rep. of Macedonia	41.3689N	21.2488E	1015	From 2006-09-01
Krutoberegovo	KBG	Kamchatskaya Oblast',Russia	56.2550N	162.7050E	30	
Krutoberegovo 1	KBTR	Kamchatskaya Oblast',Russia	56.2081N	162.8189E	200	
Krutsinger Ranch, Parks	O28A	Nebraska,U.S.A.	40.1262N	101.7735W	1032	From 2009-05-28
Krysuvik	IKRI	Iceland	63.8780N	22.0760W	146	From 1992-12-01
Ksara	KSA	Lebanon	33.8233N	35.8900E	920	
Ksar Es Souk	KES	Morocco	31.9950N	4.4550W	1124	From 1973-02-01 to 1976-10-31
Kshj	KSHJ	Jordan	30.2740N	36.9660E	1005	From 1995-08-01
Ksiaz	KSP	Poland	50.8428N	16.2931E	353	From 1970-01-01
KU8	KU8	Finland	66.0287N	27.9436E	270	From 2009-09-25
Kuala Lumpur	KLM	Peninsular Malaysia,Malaysia	3.1025N	101.6450E	46	
Kuala Trengganu	KTMY	Peninsular Malaysia,Malaysia	5.3283N	103.1356E	33	
Kuala Trengganu	KTGM	Peninsular Malaysia,Malaysia	5.3280N	103.1340E	56	From 1994-01-01
Kuangyinshan	TWS1	Taiwan region	25.1008N	121.4177E	60	From 1981-01-05
Kuaotunu	KUZ	North Island,New Zealand	36.7471S	175.7200E	40	From 1990-10-11
Kubaka	GOLD	Magadanskaya Oblast',Russia	63.6780N	159.9570E	726	From 2003-01-14
Kubataba	KUBR	Stavropol'skiy Kray,Russia	43.8000N	43.4097E	665	
Kuba-Taba	KBTC	Stavropol'skiy Kray	43.8166N	43.4084E	687	From 2006-11-10
Kubokawa	JKU	Kochi,Japan	33.3095N	133.0633E	340	
Kucevo	KUBS	Serbia	44.4123N	21.6749E	389	From 2010-07-14
Kuching	KSM	Sarawak,Malaysia	1.4733N	110.3083E	66	
Kuchinoerabu	JKC	Ryukyu Islands,Japan	30.4620N	130.1957E	20	
Kuchiyama	KCY	Tokushima,Japan	33.9970N	134.1422E	260	
Kucino	KUC	Moskovskaya Oblast',Russia	55.7500N	37.9667E	155	
Kudamatsu	JKD	Yamaguchi,Japan	34.0540N	131.8738E	220	
Kudat	KDM	Sabah,Malaysia	6.9160N	116.8330E	3	
Kuemmerle Ranch, Upton	I24A	Wyoming,U.S.A.	43.8594N	104.6263W	1338	From 2008-10-23
Kufra	KFRA	Syria	35.2125N	36.7996E	650	From 1994-12-01
Kufra	LKFR	Libya	24.1613N	23.2122E	413	
Kugaaruk Camp, Nunavut	KUGN	Nunavut,Canada	68.0898N	90.0616W	165	From 2007-08-18
Kugluktuk,NWT	KUKN	Northwest Territories,Canada	67.8226N	115.0899W	320	From 2010-07-21
Kukesi	KKS	Albania	42.0756N	20.4113E	300	
Kukul	KKG	Guatemala	14.9750N	92.0360W	960	From 1979-11-01
Kukurantumi	KUK	Ghana	6.1890N	0.3690W	198	From 1973-03-01
Kula-Manisa	KULA	Turkey	38.5144N	28.6607E	915	From 2007-02-21
Kul'dur	KLR	Yevreyskaya Avtonomnaya Oblast',Russia	49.2300N	131.7500E	298	From 1954-01-01
Kulet Umm Tiheiwat	NMAN	Egypt	23.9169N	33.0737E	255	
Kulim	KULM	Peninsular Malaysia,Malaysia	5.2900N	100.6500E	74	From 2003-11-01
Kulkuduk	KLKU	Uzbekistan	42.5400N	63.3000E	361	
Kullorsuaq	KULLO	Greenland	74.5805N	57.2201W	44	From 2009-07-17
Kultieth River Mountain	KULT	Alaska,U.S.A.	60.2479N	142.7214W	1006	
Kulu	KULU	Turkey	39.0426N	33.0023E	1121	From 2010-06-29
Kuludalsa	IKUD	Iceland	64.3210N	21.8750W	28	From 1996-06-28
Kulusuk, Greenland	KULG	Greenland	65.5752N	37.1788W	50	From 2004-08-02
Kulyab	KUL	Tajikistan	37.9000N	69.7800E	605	
Kumagaya	KMG	Saitama,Japan	36.1466N	139.3833E	31	
Kumamoto	KUM	Kumamoto,Japan	32.8100N	130.7100E	39	
Kumamoto 2	KUMJ	Kumamoto,Japan	32.5350N	130.8280E	170	
Kumano	KMN	Wakayama,Japan	33.9677N	136.0580E	300	
Kumaryk	KUMR	Uzbekistan	41.2000N	69.3000E	404	
Kumba	KBC	Cameroon	4.6531N	9.4131E	375	From 1985-03-17
Kumbag-Tekirdag	SBT4	Turkey	40.8281N	27.5354E	-1144	From 2010-12-22
Kume jima	KMJ	Ryukyu Islands,Japan	26.3350N	126.8067E	4	
Kume jima 2	JKE	Ryukyu Islands,Japan	26.3260N	126.7860E	71	
Kumisi	KYM	Georgia	41.6300N	44.7300E	420	
Kumisi	KMSG	Georgia	41.6211N	44.7754E	420	From 1982-01-01
Kumluca	MARK	Turkey	36.2748N	30.4356E	973	From 2003-12-08
Kumora	KMO	Buryatiya,Russia	55.8869N	111.2006E	480	
Kumora	KUM*	Buryatiya,Russia	55.8869N	111.2006E	480	
Kumukh	KMKR	Dagestan,Russia	42.1311N	47.0989E	1950	
Kundal	KUDL	Haryana,India	28.1442N	76.4892E	0	
Kunene	KNN	Congo (Kinshasa)	1.4800S	29.0670E	1800	
Kuni	JGK	Gumma,Japan	36.5620N	138.6397E	645	
Kunigami	JOW	Ryukyu Islands,Japan	26.8322N	128.2745E	220	
Kunimi	JKI	Oita,Japan	33.6323N	131.5690E	120	
Kunming	KUN	Yunnan,China	25.1233N	102.7400E	1945	
Kunming	KMI	Yunnan,China	25.1233N	102.7400E	1940	
Kunneppu	KNP	Abashiri,Japan	43.7599N	143.7124E	190	
Kunszentmiklos	PKS7	Hungary	47.0473N	19.1609E	95	
Kununurra	KNA	Western Australia,Australia	15.7500S	128.7667E	150	From 1965-11-01 to 2008-08-20
Kununurra	KNRA	Western Australia,Australia	15.6769S	128.7627E	101	From 2008-08-21
Kuosheng	TWX	Taiwan region	25.1988N	121.6616E	40	From 1975-01-10
Kupang	KUG	Timor,Indonesia	10.1513S	123.6050E	52	From 1973-01-01
Kupang	KUP	Timor,Indonesia	10.1678S	123.5860E	52	
Kupang	KUPT	Timor,Indonesia	10.1513S	123.6050E		
Kupiano	KPN	Papua New Guinea	10.0746S	148.1810E	20	
Kupiano	KUPN	Papua New Guinea	10.0769S	148.1840E	10	From 1983-12-14
Kurahashi	JHM	Hiroshima,Japan	34.1395N	132.5293E	60	
Kuranda	KDA	Queensland,Australia	16.8250S	145.6300E	365	From 1959-11-01 to 1964-12-31
Kurayoshi	KYTD	Tottori,Japan	35.4392N	133.8339E	100	
Kurayoshi	JKR	Tottori,Japan	35.3783N	133.8198E	174	
Kurchatov	KURK	Kazakhstan	50.7154N	78.6202E	184	From 1995-03-26
Kurchatov Array	KURBB	Kazakhstan	50.6226N	78.5304E	200	From 2006-09-20
Kurchatov Array Site 1	KUR01	Kazakhstan	50.7216N	78.5634E	163	From 2006-09-20
Kurchatov Array Site 10	KUR10	Kazakhstan	50.5236N	78.4977E	203	From 2006-09-20
Kurchatov Array Site 11	KUR11	Kazakhstan	50.6019N	78.6863E	200	From 2006-09-20
Kurchatov Array Site 12	KUR12	Kazakhstan	50.6061N	78.6551E	202	From 2006-09-20
Kurchatov Array Site 13	KUR13	Kazakhstan	50.6102N	78.6242E	224	From 2006-09-20
Kurchatov Array Site 14	KUR14	Kazakhstan	50.6144N	78.5927E	217	From 2006-09-20
Kurchatov Array Site 15	KUR15	Kazakhstan	50.6185N	78.5615E	198	From 2006-09-20
Kurchatov Array Site 16	KUR16	Kazakhstan	50.6269N	78.4993E	193	From 2006-09-20
Kurchatov Array Site 17	KUR17	Kazakhstan	50.6318N	78.4690E	184	From 2006-09-20
Kurchatov Array Site 18	KUR18	Kazakhstan	50.6353N	78.4368E	191	From 2006-09-20
Kurchatov Array Site 19	KUR19	Kazakhstan	50.6394N	78.4057E	180	From 2006-09-20
Kurchatov Array Site 2	KUR02	Kazakhstan	50.7017N	78.5566E	167	From 2006-09-20
Kurchatov Array Site 20	KUR20	Kazakhstan	50.6436N	78.3746E	182	From 2006-09-20
Kurchatov Array Site 21	KUR21	Kazakhstan	50.6222N	78.5311E	240	
Kurchatov Array Site 3	KUR03	Kazakhstan	50.6820N	78.5500E	173	From 2006-09-20
Kurchatov Array Site 4	KUR04	Kazakhstan	50.6622N	78.5434E	176	From 2006-09-20
Kurchatov Array Site 5	KUR05	Kazakhstan	50.6424N	78.5366E	181	From 2006-09-20
Kurchatov Array Site 6	KUR06	Kazakhstan	50.6028N	78.5239E	194	From 2006-09-20
Kurchatov Array Site 7	KUR07	Kazakhstan	50.5831N	78.5172E	200	From 2006-09-20
Kurchatov Array Site 8	KUR08	Kazakhstan	50.5632N	78.5108E	199	From 2006-09-20
Kurchatov Array Site 9	KUR09	Kazakhstan	50.5433N	78.5043E	199	From 2006-09-20
Kurday	KRD	Kazakhstan	43.3833N	75.0500E	900	
Kurdemir	KDMR	Azerbaijan	40.3760N	48.1840E	39	From 2009-10-26
Kurdzhali	KDZ	Bulgaria	41.6500N	25.4167E	409	
Kure	KRE	Hiroshima,Japan	34.2333N	132.5670E		
Kuril'sk	KUR	Sakhalinskaya Oblast',Russia	45.2333N	147.8667E	25	
Kurino-dake	KV04	Miyazaki,Japan	31.9422N	130.8133E	1020	
Kurkur	AKUR	Egypt	23.8940N	32.7760E		
Kurmenty	KRM	Kazakhstan	42.9870N	78.2750E	2151	
Kuroka	JGF	Gifu,Japan	35.6008N	137.3572E	580	
Kuromamegawa	KMGE	Nagano,Japan	36.4200N	138.5456E	1557	
Kuro-shima	JKRS	Ryukyu Islands,Japan	24.2375N	124.0092E	9	
Kuroyon	KYJ	Toyama,Japan	36.5640N	137.6692E	1390	
Kurravaara	KUA	Sweden	67.9542N	20.3368E	360	
Kurtkulagi	KRTT	Turkey	36.9220N	35.8810E	100	From 1994-01-01
Kurty	KUU	Kazakhstan	43.8930N	76.3390E	550	
Kurukshetra	KKR	Haryana,India	29.9615N	76.8207E	257	From 1974-01-01
Kurvinen	KU1	Finland	65.5646N	29.5583E	240	From 2003-06-26
Kurzu	KRYG	Georgia	42.5826N	42.2841E	310	From 1973-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kusadasi-Aydin	KUSD	Turkey	37.8604N	27.2868E	321	From 2011-04-20
Kushihara	KHJ	Gifu,Japan	35.2576N	137.4088E	343	
Kushima	JJK	Miyazaki,Japan	31.4800N	131.2847E	235	
Kushima--Naru	JNAR	Miyazaki,Japan	31.5265N	131.2717E	80	
Kushiro	KUSJ	Kushiro,Japan	43.1000N	144.7950E	-30	From 1978-01-01
Kushiro	KSUJ	Kushiro,Japan	43.1000N	144.7950E	-30	From 1978-01-01
Kushiro	KUS	Kushiro,Japan	42.9750N	144.3917E	33	
Kuta	KUTA	Papua New Guinea	5.9200S	144.2233E	2017	
KUTAHYA	AUKUT	Turkey	39.9555N	30.0213E	1085	From 2010-06-20
Kutsugahara	KUT	Hiroshima,Japan	34.9528N	132.8160E	336	From 1968-05-06 to 1974-12-27
Kuturchin	KTRR	Krasnoyarskiy Kray,Russia	54.9377N	94.2144E	350	From 2004-11-26
Kutztown	KTZ	Pennsylvania,U.S.A.	40.5117N	75.7800W	148	From 1967-10-01
Kuujjuuaa	KUQ	Quebec,Canada	58.1090N	68.4113W	54	From 1990-01-21
Kuzuini	KUZU	Turkey	36.7735N	37.0750E	701	From 2007-12-07
Kuzumaki	JKZ	Iwate,Japan	39.9845N	141.3298E	620	
Kvetna	KVC	Czech Republic	50.2059N	12.5152E	580	From 2003-05-14
Kwajalein Atoll	KWAJ	Marshall Islands	8.8019N	167.6130E		
Kwanting	KWNG	Beijing,China	40.2400N	115.6050E	0	From 1955-01-01
Kyakhta	KYA	Buryatiya,Russia	50.3667N	106.4500E		
Kyburz Flat	KBF	California,U.S.A.	39.5068N	120.2120W	2079	From 1973-04-01
Kyle	KYL	Scotland,United Kingdom	57.3197N	5.6506W	105	From 1984-01-01 to 1986-04-18
Kyoto	KYO	Kyoto,Japan	35.0117N	135.7350E	42	
Ky Son	KSVV	Vietnam	20.8750N	105.3590E	30	From 2005-03-15
Kythira	KTHR	Crete,Greece	36.2606N	23.0042E	315	From 2007-05-01
Kyzart	KZA	Kyrgyzstan	42.0778N	75.2496E	3520	
Kyzyl	KZLR	Krasnoyarskiy Kray,Russia	51.7050N	94.4538E	603	From 2003-12-24
Kyzyl-Adyr	KZAD	Kyrgyzstan	42.6590N	71.6000E	900	
Kyzyldzhar	KYZD	Tajikistan	41.5500N	70.0100E	1428	
Kziot	KZIT	Israel	30.9063N	34.3972E	248	
La Aguada	AGV	Venezuela	8.5630N	71.0900W	3516	
La Almunia	NE11*	Spain	41.4770N	1.3720W	370	
Labasa	LBSA	Fiji	16.5540S	179.2890E	185	
Labassere	LABF	Midi-Pyrenees,France	43.0475N	0.0737E	750	From 1997-03-01
la Bastide-des-Jourdans	BSTF	Provence-Cote d'Azur,France	43.8800N	5.6450E	500	From 2010-07-08
Labe	LABG	Guinea	11.2328N	12.3322W	1130	From 1991-07-01
Labete	LBT	Solomon Islands,Papua New Guinea	8.3167S	157.2670E		
Labuha	LBMI	Bacan	0.6379S	127.5008E	114	From 2005-01-01
Labuhan Bajo, Sumatra	LBFI	Flores,Indonesia	8.4800S	119.8900E	123	From 2008-12-01
Lac	LACI	Albania	41.6363N	19.7094E	55	
Lac	LACR	Severo-Osetinskaya,Russia	42.8255N	44.2958E	1287	From 2004-08-13
La Casta Ranch, Jordon	D21A	Montana,U.S.A.	47.0658N	106.9939W	934	From 2008-08-21
Lac Aux requins	LARD	Djibouti	11.5787N	42.5066E	100	From 1999-01-01
Lac Daran	DAQ	Quebec,Canada	47.9644N	71.2425W	939	From 1988-12-15
Lac de Gras North	LDGN	Northwest Territories,Canada	64.6786N	110.5224W	422	
Lac de Gras South	LGSN	Northwest Territories,Canada	64.3337N	110.1307W	440	
Lac de Lave	LDLD	Djibouti	11.5837N	42.4985E	137	From 1987-01-01
Lac des Isle Mine	LDIO	Ontario,Canada	49.1750N	89.5955W	500	
Lac-des-Plages	DHLQ	Quebec,Canada	45.9963N	74.8853W	193	
Lac du Bonnet	ULM	Manitoba,Canada	50.2497N	95.8750W	281	From 1984-09-04
LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	LBCA	Manitoba	50.2015N	96.0269W	247	From 1999-05-04
La Ceiba	CEIV	Venezuela	9.4098N	71.0359W	4	
La Ceiba	LCBS	El Salvador	13.6550N	88.9783W	710	From 1991-12-01
La Chapelle	CABF	Franche Comte,France	46.6111N	6.0875E	1070	From 1996-04-03
La Chartreuse	BLCH	Belgium	50.6395N	5.5988E	100	From 1991-02-01
La Chataigneraie	LCHF	Poitou-Charentes,France	46.6693N	0.7417W	166	
La Clusaz	OG04	Rhone-Alpes,France	45.9137N	6.4380E	1330	From 1991-09-11
Lacona	LCNA	New York,U.S.A.	43.6442N	75.9260W	396	
La Concha	LHG	Guatemala	14.4450N	91.1825W	600	From 1979-05-01
Laconia	LANH	New Hampshire,U.S.A.	43.5910N	71.4900W	200	
Lacq	LACL	Aquitaine,France	43.4350N	0.7269W	195	
Lacq-Usine	USIL	Aquitaine,France	43.4169N	0.6378W	95	
La Cruz	CRUC	Colombia	1.4987N	76.9523W	2743	From 1994-01-01
La Cruz	CRZC	Costa Rica	10.9533N	85.5967W	325	
Lac Salanfe	SALAN	Switzerland	46.1441N	6.9730E	1885	From 2001-07-11
Lac Senin/Sanetsch	SENIN	Switzerland	46.3633N	7.2993E	2035	From 2002-02-06
Lac Sinclair, Quebec	LSQ1	Quebec,Canada	45.7898N	76.1525W	215	From 2007-06-30
La Cuchilla	LACU	Venezuela	7.8767N	71.3906W	800	From 1984-01-01
La Cueva	LCV	New Mexico,U.S.A.	35.8828N	106.6740W	2652	From 1973-09-01 to 1999-08-25
La Culata	CUV	Venezuela	8.7490N	71.0600W	2940	
La Cumbre	CMG	Guatemala	14.6707N	89.7853W	1802	
La Cumbre 2	CMG2	Guatemala	14.6608N	89.7867W	1710	From 1988-01-01
La Cumbre Peak	LPC	California,U.S.A.	34.4965N	119.7130W	1190	From 1969-11-01
La Danta	LADA	Venezuela	7.9389N	71.6131W	1200	From 1984-01-01
Ladd Mountain	LMW	Washington,U.S.A.	46.6680N	122.2910W	1195	From 1975-06-30
La Desirade	DEG	Guadeloupe	16.3132N	61.0598W	575	From 1988-03-01
La Diana	DIAC	Colombia	3.2913N	76.1973W	1520	From 1987-01-01
La Diferencia	DR6	Dominican Republic	19.2328N	70.9915W		
La Diferencia	DR06	Dominican Republic	19.2328N	70.9915W		
Ladik-KONYA	LADK	Turkey	38.2000N	32.3648E	1168	From 2007-06-19
Ladron	LAZ	New Mexico,U.S.A.	34.4020N	107.1390W	1853	
Ladron Mountain	LAD	New Mexico,U.S.A.	34.4583N	107.0370W	1768	From 1976-01-01
La Druitiere	LDF	Basse-Normandie,France	48.5936N	0.1222W	290	From 1982-09-28
Lady	LDJ	Utah,U.S.A.	40.5815N	111.4087W	2217	From 1992-09-30
Lae	LAE	Papua New Guinea	6.6731S	146.9130E	50	From 1966-01-01 to 1970-05-18
Lae	LAT	Papua New Guinea	6.6651S	147.0020E	72	From 1970-05-18
Lae--Mount Lunaman	LML	Papua New Guinea	6.7351S	147.0090E	100	From 1979-01-01
Lafayette	LA-GA	Georgia,U.S.A.	34.8572N	85.4500W	610	From 1965-12-03 to 1965-12-13
Lafayette	LA-	Georgia,U.S.A.	34.8572N	85.4500W	610	From 1965-12-03 to 1965-12-13
Lafayette	LAF	Rhode Island,U.S.A.	41.5508N	71.5067W	40	From 1976-03-25 to 1977-06-10
La Foliniere	FLN	Basse-Normandie,France	48.7625N	0.4819W	240	
La Follette	LF-TN	Tennessee,U.S.A.	36.4697N	83.8286W	366	
La Follette	LF-	Tennessee,U.S.A.	36.4697N	83.8286W	366	
La Foret Royale	FRF	Provence-Cote d'Azur,France	43.5607N	6.6468E	310	From 1981-07-01
La Frestale	LFF	Aquitaine,France	44.9395N	0.7402E	200	From 1985-07-17
La Fuente	LFU	El Salvador	13.7487N	89.1138W	732	
Lagarterita	LGT	Panama	9.0745N	79.9150W	50	
Lagoa do Fogo	LFA	Azores,Portugal	37.7726N	25.4831W	693	From 1981-01-01
Lago Colima	CLMC	Colombia	3.8814N	76.5630W	1480	From 1988-11-01
Lago de Cote	AR2	Costa Rica	10.5614N	84.8933W	763	
Lagodekhi	LGD	Georgia	41.8347N	46.2423E	420	From 1968-01-01
Lago del Serru	LSD	Italy	45.4595N	7.1343E	2285	From 1985-01-01
La Gomera	EGOM	Canary Islands,Spain	28.1594N	17.2096W	0	From 2003-05-19
La Gonave Hosp	WSYH	Haiti	18.8330N	72.8628W	29	
Lagor	LAGL	Aquitaine,France	43.4061N	0.6650W	190	
Lago Ritom (SBB)	RITOM	Switzerland	46.5345N	8.6780E	1822	From 2005-12-15
La Grande	LGOR	Oregon,U.S.A.	45.2164N	118.0010W	1200	From 1991-07-01
La Grande	LBQ	Quebec,Canada	53.5360N	77.3540W	183	From 1979-07-27
La Grande	LDQ	Quebec,Canada	53.8061N	77.4281W	198	
La Grande	LCQ	Quebec,Canada	53.5411N	76.9731W	293	From 1978-10-13
La Grande	LAQ	Quebec,Canada	53.8073N	77.0200W	183	From 1978-10-15
La Grande	LTQ	Quebec,Canada	53.7017N	76.0850W	313	From 1980-05-01 to 1982-11-17
La Grande	LGQ	Quebec,Canada	53.6920N	77.7250W	190	From 1976-08-04 to 1980-05-17
La Grande 3	JBQ	Quebec,Canada	53.6103N	75.6053W	381	
La Grande 3	JAQ	Quebec,Canada	53.8022N	75.7211W	366	From 1981-03-23 to 1999-08-25
La Grande 3	JCQ	Quebec,Canada	53.4672N	75.8242W	320	
La Grande 3	LRQ	Quebec,Canada	53.7014N	76.0589W	284	From 1984-04-02
La Grande 3	LXQ	Quebec,Canada	53.7223N	76.0222W	195	From 1986-12-16
La Grande 4	LG4Q	Quebec,Canada	53.6269N	74.0972W	168	
La Grande 4	LQQ	Quebec,Canada	53.8458N	73.4883W	311	From 1983-02-23 to 1984-03-11
La Grande 4	KAQ	Quebec,Canada	53.9833N	73.5230W	472	From 1983-01-01 to 1984-03-12
La Grande 4	KBQ	Quebec,Canada	53.9778N	73.2850W	472	From 1983-01-01 to 1984-03-11
La Grande 4	KCQ	Quebec,Canada	53.8328N	73.1319W	457	From 1983-01-01 to 1984-03-11
La Grange	LGAR	Arkansas,U.S.A.	34.6520N	90.6560W	100	From 1979-08-07
Lagu-Hvolar	IHVO	Iceland	63.5260N	18.8480W	196	From 1999-10-20
Laguna Cedeˆ–o	CEDE	Costa Rica	10.4868N	84.7035W	686	From 2000-01-01
Laguna Cube	LGCB	Ecuador	0.3821N	79.5753W	160	From 2008-12-03
Laguna Mountains	LGA	Arizona,U.S.A.	32.7597N	114.4930W	68	
Laguna Peak	BLG	California,U.S.A.	34.1095N	119.0640W	415	From 1969-11-01
Laguna Tiscapa	TISN	Nicaragua	12.1425N	86.2693W	200	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Laguna Verde	LAV	Valparaiso,Chile	33.0874S	71.7462W	60	
Laguna Verde	LVVM	Veracruz,Mexico	19.7380N	96.4488W		From 1988-01-01
Laguna Verde	LVIG	Veracruz,Mexico	19.7232N	96.4177W	41	
Laguneta	LAGU	Venezuela	9.7700N	69.7650W	800	From 1986-01-01
Lagunillas	LAGV	Venezuela	10.2239N	71.1593W	100	
Lagunillas	LGN	Venezuela	10.1450N	71.2700W	-3	From 1969-08-01
Lahad Datu	MYLDM	Sabah,Malaysia	5.1800N	118.5000E	0	From 2006-03-24
Lahat	LHSI	Sumatera,Indonesia	3.8267S	103.5233E	0	From 2007-12-01
La Hesperia	HSPR	Ecuador	0.3515S	78.8502W	1387	From 2008-11-24
La Honda	LT5	California,U.S.A.	37.3313N	122.2800W	226	From 1966-12-18 to 1970-05-01
Lahore	LAH	Pakistan	31.5500N	74.3333E	210	From 1952-01-01 to 1968-12-31
Laichau	LUV	Vietnam	22.0519N	103.1590E	1100	
Lai Chau	LCVN	Vietnam	22.0387N	103.1543E	1100	
L'Aileron	AIL	Martinique	14.8010N	61.1080W	879	From 1971-03-01 to 1999-08-25
Lailor River, Nunavut	LAIN	Northwest Territories,Canada	69.1086N	83.5361W	320	From 2005-08-18
Lajitas	LTX	Texas,U.S.A.	29.3339N	103.6670W	1013	From 1984-09-12
Lajitas Array Beam Reference Point	TXAR	Texas,U.S.A.	29.3338N	103.6670W	1013	
Lajitas Array Site 10	TX10	Texas,U.S.A.	29.3307N	103.7025W	1033	
Lajitas Array Site 2	TX02	Texas,U.S.A.	29.3297N	103.6575W	952	
Lajitas Array Site 3	TX03	Texas,U.S.A.	29.3310N	103.6740W	990	
Lajitas Array Site 4	TX04	Texas,U.S.A.	29.3397N	103.6672W	1013	
Lajitas Array Site 5	TX05	Texas,U.S.A.	29.3202N	103.6523W	957	
Lajitas Array Site 6	TX06	Texas,U.S.A.	29.3187N	103.6815W	1007	
Lajitas Array Site 7	TX07	Texas,U.S.A.	29.3397N	103.6890W	1038	
Lajitas Array Site 8	TX08	Texas,U.S.A.	29.3510N	103.6765W	1015	
Lajitas Array Site 9	TX09	Texas,U.S.A.	29.3433N	103.6598W	1001	
Lajitas Ar. Site	TX00	Texas,U.S.A.	29.3338N	103.6670W	1013	
Lajitas Ar. Site	TX31	Texas,U.S.A.	29.3342N	103.6678W	1025	
Lajitas B3	LTB3	Texas,U.S.A.	29.3397N	103.6672W	1013	
La Jolla	LJC	California,U.S.A.	32.8633N	117.2530W	8	From 1927-05-05 to 1975-11-30
La Jonquera	EJON	Spain	42.4487N	2.8886E	570	
La Joya	LJY	New Mexico,U.S.A.	34.3365N	106.8960W	1532	
Lake	LKWY	Wyoming,U.S.A.	44.5652N	110.4000W	2424	From 1995-10-19
Lake Benmore	LBZ	South Island,New Zealand	44.3872S	170.1842E	423	From 2004-06-04
Lake Butte	YPLB	Wyoming,U.S.A.	44.5113N	110.2720W	2565	
Lake Butte	YPLA	Wyoming,U.S.A.	44.5127N	110.2687W	2580	
Lake Chabot	LKC	California,U.S.A.	37.7380N	122.0640W	312	From 1972-11-21 to 2008-07-16
Lake Chabot	CLCB	California,U.S.A.	37.7379N	122.0649W	309	
Lake Chabot	CLCM	California,U.S.A.	37.7380N	122.0640W	312	From 1972-11-21 to 2008-07-16
Lake Charles	LCAR	Arkansas,U.S.A.	36.0695N	91.1543W	103	
Lake De Bois	LDBN	Northwest Territories,Canada	66.7219N	124.9431W	294	From 2010-07-17
Lake Erie College	LECO	Ohio,U.S.A.	41.7090N	81.2500W	204	
Lake Granby, Granby	O23A	Colorado,U.S.A.	40.2109N	105.9178W	2635	From 2008-07-06
Lakehead University	LHC	Ontario,Canada	48.4167N	89.2667W	196	From 1969-02-28 to 1986-09-24
Lake Helena	LHM	Montana,U.S.A.	46.6756N	111.9430W	1117	From 1974-10-09 to 1976-10-04
Lake Herman	NLHM	California,U.S.A.	38.1198N	122.1480W	177	
Lake Hughes	LHU	California,U.S.A.	34.6710N	118.4110W	1036	From 1976-06-01
Lake Junction	YPLK	Wyoming,U.S.A.	44.5697N	110.3865W	2390	
Lakeland CC	LCCO	Ohio,U.S.A.	41.6380N	81.3640W	231	
Lake Margaret	MARG	Tasmania,Australia	41.9995S	145.5516E	700	
Lake Mead	LM-	Nevada,U.S.A.	36.5825N	114.5353W	536	From 1961-11-25 to 1962-05-14
Lake Mead	LM-NV	Nevada,U.S.A.	36.5825N	114.5353W	536	From 1961-11-25 to 1962-05-14
Lake Mikany	MIKA	Tasmania,Australia	40.8781S	145.1811E	40	
Lake Minchumina	CHUM	Alaska,U.S.A.	63.8827N	152.3147W	58	
Lake Moeraki	LMZ	South Island,New Zealand	43.7183S	169.2710E	10	From 1990-11-09
Lake Mountain	LMUT	Utah,U.S.A.	40.3151N	111.9320W	1593	
Lake Mountain	LMU	Utah,U.S.A.	40.2831N	111.9370W	2316	From 1974-09-01 to 1980-03-31
Lake Ozonia	LONY	New York,U.S.A.	44.6197N	74.5829W	440	
Lake Ozonia	LOZ	New York,U.S.A.	44.6197N	74.5829W	440	
Lake Rotokare	LREZ	North Island,New Zealand	39.4602S	174.4027E	220	From 2010-01-27
Lake Shores	LSU	Utah,U.S.A.	40.1322N	111.7301W	1375	
Lakeside	LSCT	Connecticut,U.S.A.	41.6784N	73.2244W	318	From 1993-08-04 to 2007-02-06
Lake Taylor	LTZ	South Island,New Zealand	42.7828S	172.2690E	640	From 1989-11-01
Lakeview	LKVW	Oregon,U.S.A.	42.2242N	120.3596W	1512	From 2007-05-01
Lakeview	L05A	Oregon,U.S.A.	42.0472N	120.8336W	1751	From 2006-06-16 to 2007-10-24
Lakeview Peak	LVP	Washington,U.S.A.	46.0683N	122.4080W	1170	
Lakeview Retreat	LRAL	Alabama,U.S.A.	33.0348N	86.9978W	130	
Lake Wenatchee	LW-	Washington,U.S.A.	47.8456N	120.9017W	762	
Lake Wenatchee	LW-WA	Washington,U.S.A.	47.8456N	120.9017W	762	
Lake Whitney	WHTX	Texas,U.S.A.	31.9913N	97.4561W	190	From 2009-02-11
Lake Wisdom	LKW	Papua New Guinea	5.3350S	147.0650E	150	
Lake Woodford	WOOD	New South Wales,Australia	33.6979S	150.4855E	420	
Lakewood Golf Course	LGC	California,U.S.A.	33.8358N	118.1500W	17	From 1971-07-07 to 1974-03-15
Lakka	LAKA	Greece,Greece	38.2401N	21.9785E	505	From 2008-01-01
Lale Fork Canyon	LFC	New Mexico,U.S.A.	35.8769N	106.6650W	2451	
La Lomota	DR5	Dominican Republic	19.6349N	70.8596W		
La Lomota	DR05	Dominican Republic	19.6349N	70.8596W	660	
La Lucha	LCR	Costa Rica	9.7384N	84.0016W	1400	From 1978-01-01 to 1982-11-30
La Lucha 2	LCR2	Costa Rica	9.7422N	84.0030W	1730	From 1982-11-01
La Lucha Farm	LLC	Costa Rica	9.6654N	83.9991W	1400	From 1966-02-01 to 1978-01-31
Lama dei Peligni	LPEL	Italy	42.0468N	14.1832E	760	From 2008-04-11
La Malbaie	LMQ	Quebec,Canada	47.5483N	70.3267W	419	From 1976-11-04
La Malbaie	LMBQ	Quebec,Canada	47.4700N	70.1500W	0	From 1979-09-19
Lamap	LMP	Vanuatu	16.4256S	167.8000E	60	
Lamas de Olo	POLO	Portugal	41.3738N	7.7942W	1060	From 2008-10-29
Lambert	C23A	Montana,U.S.A.	47.8026N	105.1844W	729	From 2008-09-09 to 2011-01-13
Lambert Chapel	LCAL	Alabama,U.S.A.	34.5225N	85.6302W	544	From 1983-02-24 to 1985-12-03
Lambom Island	ELB	New Ireland,Papua New Guinea	4.8038S	152.8300E	10	
Lamborn Mesa, Paonia	Q21A	Colorado,U.S.A.	38.8347N	107.5738W	1881	From 2007-12-04 to 2010-02-07
Lambtecht Ranch, Loup City	M31A	Nebraska,U.S.A.	41.3440N	98.9766W	699	From 2009-09-09
La Mesa Andrade	LMX	Sonora,Mexico	32.1087N	114.9600W		From 1988-01-01
Lamington	LMG	Papua New Guinea	8.9083S	148.1500E	1200	From 1970-01-01
Lamocks	LMC	Guangdong,China	23.2667N	117.2830E		
La Mourre	LMR	Provence-Cote d'Azur,France	43.3339N	6.5092E	200	
Lampang	LAMP	Thailand	18.5226N	99.6322E	246	
Lampang	LPT	Thailand	18.2167N	99.5500E	0	From 1976-02-01 to 1978-08-31
Lampedusa	LPD	Italy	35.5114N	12.5951E	20	From 1989-05-01
Lampeter	LPW	Wales,United Kingdom	52.1136N	4.0681W	152	
Lamto	LIC	Ivory Coast	6.2244N	5.0278W	105	From 1965-06-01
La Murta	EMUR	Spain	37.8422N	1.2405W	574	
Lancaster	LANC	California,U.S.A.	34.7270N	118.0510W	719	
Land-Between-the-Lakes	LLKY	Kentucky,U.S.A.	36.9220N	88.0970W	177	From 1985-01-01
Landers	LAC	California,U.S.A.	34.3898N	116.4120W	792	From 1968-08-01
Landfair	LDFC	California,U.S.A.	35.0781N	115.1096W	1209	
Lands Inn, Kimberly	H07A	Oregon,U.S.A.	44.5913N	119.5646W	1204	From 2006-08-15 to 2008-04-18
Landslide	LSW	Washington,U.S.A.	46.4813N	119.2453W	262	From 1970-06-01 to 1971-10-31
Lane BPA Site-SMO	LANE	Oregon,U.S.A.	44.0517N	123.2331W	120	From 2001-01-17
Lanestosa	ELAN	Spain	43.2317N	3.4340W	0	From 2003-03-28
Langara Island	LIB	British Columbia,Canada	54.2558N	133.0580W	35	From 1984-09-12
Lang Chanh	LAVN	Vietnam	20.1532N	105.2475E	50	From 2003-01-01
Langenberg	LANF	Alsace,France	48.9806N	7.8053E	500	
Langila	LAG	New Britain,Papua New Guinea	5.4556S	148.4330E	24	
Lang Ngam	LNVN	Vietnam	21.0770N	106.1540E	50	
Langsa, Aceh	LASI	Sumatera	4.4572N	97.9704E	13	
Lankaran	LNK	Azerbaijan	38.7500N	48.8600E	-18	From 1949-01-01 to 1984-01-01
Lannavaara	LANU	Sweden	68.0493N	21.9880E	500	From 2004-08-07
Lanshu	TWI	Taiwan region	22.0683N	120.5050E	20	From 1974-09-12
Lanslevillard	LNS	Rhone-Alpes,France	45.2889N	6.9147E	1480	
Lanuvio	LAV9	Italy	41.6778N	12.6989E	300	From 2000-06-07
Lan-yu	LAY	Taiwan region	22.0387N	121.5510E	324	
Lan-yu	LYUB	Taiwan region	22.0017N	121.5840E	40	
Lanzarote	CLAN	Canary Islands,Spain	29.1031N	13.4761W	356	
Lanzhou	LAN	Gansu,China	36.0500N	103.8330E	1518	
Lanzhou	LCC	Gansu,China	36.0833N	103.6670E	1600	
Lanzhou	LZH	Gansu,China	36.0867N	103.8440E	1560	
La Palma	LPS	El Salvador	14.2922N	89.1619W	1000	
La Paz	LPX	Baja California,Mexico	24.1293N	110.4310W	7	From 2006-12-09
La Paz	LPB	Bolivia	16.5327S	68.0984W	3292	From 1962-02-01
La Paz	LZ-BV	Bolivia	16.2586S	68.4797W	3993	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
La Paz	LAP	Baja California,Mexico	24.1600N	110.2800W	65	
La Paz	LPAZ	Bolivia	16.2879S	68.1307W	4774	
La Paz	LPIG	Baja California,Mexico	24.1020N	110.3080W	46	
La Paz	LZ-	Bolivia	16.2586S	68.4797W	3993	
La Pedrera	LAPE	Venezuela	7.5580N	71.5756W	327	From 1984-01-01
La Peregrina	LPR	Puerto Rico	18.3086N	65.8697W	580	From 1976-08-10 to 1999-08-25
La Plagne	LPG	Rhone-Alpes,France	45.4977N	6.7514E	2570	From 1985-06-01
La Plagne	LPL	Rhone-Alpes,France	45.5164N	6.7324E	2070	From 1986-07-01
La Plaine	DLPL	Dominica	15.3325N	61.2468W	300	From 2007-12-04
La Plaine Cafres	PCR	Reunion	21.1957S	55.5778E	2270	
La Plantade	PLDF	Auvergne,France	45.9698N	3.6212E	940	From 1983-06-01
La Plata	LPA	Buenos Aires,Argentina	34.9089S	57.9319W	14	From 1907-01-01
La Pocatiere	POC	Quebec,Canada	47.3644N	70.0408W	61	From 1972-01-21 to 1980-10-17
La Pocatiere	LPQ	Quebec,Canada	47.3408N	70.0093W	126	From 1980-06-06 to 2006-03-28
La Pryor	LP-TX	Texas,U.S.A.	29.1797N	99.6764W	274	From 1961-11-27 to 1962-05-16
La Pryor	LP-	Texas,U.S.A.	29.1797N	99.6764W	274	From 1961-11-27 to 1962-05-16
Lapseki	LPK	Turkey	40.3727N	26.7602E	200	
Lapu-Lapu	LLP	Cebu,Philippines	10.3170N	123.9660E	135	
La Quiaca	LQA	Jujuy,Argentina	22.1033S	65.6033W	3464	
L'Aquila	T0103	Italy	42.3618N	13.4245E	849	From 2009-04-06 to 2009-06-12
L'Aquila	AQU	Italy	42.3539N	13.4019E	729	From 1952-01-01
La Quinta	LAQC	California,U.S.A.	33.6280N	116.2800W	49	
La Rabassa	ARBS	Andorra	42.4467N	1.5490E	2145	From 2009-10-20
Laramie	LAR	Wyoming,U.S.A.	41.3144N	105.5830W	2400	From 1954-01-01 to 1977-12-31
Laramie	M23A	Wyoming,U.S.A.	41.4680N	105.7221W	2166	From 2008-07-15
Larch Mountain	VLMM	Oregon,U.S.A.	45.5385N	122.0390W	1158	
Laredo	933A	Texas,U.S.A.	27.6133N	99.2746W	214	From 2010-01-07
Lares	LRS	Puerto Rico	18.2914N	66.8446W	455	From 1977-02-15
Larissa Observatory	LRSO	Greece	39.6713N	22.3917E	78	From 2011-07-06
La Roca	LARO	Costa Rica	9.7052N	84.0235W	2107	
La Roche-sur-Yon	LRYF	Poitou-Charentes,France	46.5787N	1.5472W	67	
Laroque-de-Fa	LRDF	Languedoc-Rousillon,France	42.9378N	2.5387E	400	From 2003-04-01
Larrau	LARF	Aquitaine,France	43.0380N	0.9875W	670	From 1997-10-30
Larroussi	LRO	Morocco	31.8370N	9.1500W	135	
Larsen Ranch, Manila	N18A	Utah,U.S.A.	40.9763N	109.6731W	1893	From 2007-07-24 to 2009-04-23
Larsen Ranch, Promontory	M15A	Utah,U.S.A.	41.4632N	112.4477W	1348	From 2007-02-12 to 2009-04-08
La Rua	ERUA	Spain	42.3927N	7.1425W	431	From 1987-05-01
La Rumorosa	RMX	Baja California,Mexico	32.6025N	116.0786W	1420	
La Rusia	RUSC	Colombia	5.9271N	73.0755W	3356	From 1994-01-01
Lasa Array	LA0	Montana,U.S.A.	46.6885N	106.2231W	902	
Lasa Array	LASA	Montana,U.S.A.	46.6885N	106.2231W	902	
LASA Array	LAO	Montana,U.S.A.	46.6885N	106.2231W	902	From 1966-01-01
LASA B Ring	LB1	Montana,U.S.A.	46.7522N	106.0920W	754	From 1966-01-01 to 1999-08-25
LASA B Ring	LB4	Montana,U.S.A.	46.7681N	106.2430W	717	From 1966-01-01 to 1999-08-25
LASA B Ring	LB3	Montana,U.S.A.	46.6592N	106.3170W	723	From 1966-01-01 to 1999-08-25
LASA B Ring	LB2	Montana,U.S.A.	46.6350N	106.1630W	694	From 1966-01-01 to 1999-08-25
LASA C Ring	LC2	Montana,U.S.A.	46.6694N	106.0130W	779	From 1966-01-01 to 1978-06-30
LASA C Ring	LC4	Montana,U.S.A.	46.7353N	106.3740W	764	From 1966-01-01 to 1978-06-30
LASA C Ring	LC1	Montana,U.S.A.	46.8394N	106.1270W	719	From 1966-01-01 to 1999-08-25
LASA C Ring	LC3	Montana,U.S.A.	46.5742N	106.2500W	682	From 1966-01-01 to 1978-06-30
LASA D Ring	LD4	Montana,U.S.A.	46.9419N	106.3830W	713	From 1966-01-01 to 1978-06-30
LASA D Ring	LD2	Montana,U.S.A.	46.5031N	106.0110W	661	From 1966-01-01 to 1978-06-30
LASA D Ring	LD3	Montana,U.S.A.	46.5497N	106.4800W	800	From 1966-01-01 to 1999-08-25
LASA D Ring	LD1	Montana,U.S.A.	46.8397N	105.8890W	759	From 1966-01-01 to 1978-06-30
LASA E Ring	LE1	Montana,U.S.A.	47.1628N	106.0560W	686	From 1966-01-01 to 1974-01-01
LASA E Ring	LE2	Montana,U.S.A.	46.5128N	105.3650W	610	From 1966-01-01 to 1974-01-01
LASA E Ring	LE4	Montana,U.S.A.	46.7608N	106.9170W	803	From 1966-01-01 to 1974-01-01
LASA E Ring	LE3	Montana,U.S.A.	46.1494N	106.3340W	761	From 1966-01-01 to 1974-01-01
LASA F Ring	LF1	Montana,U.S.A.	47.3708N	105.1880W	740	From 1966-01-01 to 1974-01-01
LASA F Ring	LF2	Montana,U.S.A.	45.9094N	105.4860W	754	From 1966-01-01 to 1974-01-01
LASA F Ring	LF4	Montana,U.S.A.	47.4111N	106.9440W	707	From 1966-01-01 to 1974-01-01
LASA F Ring	LF3	Montana,U.S.A.	45.9728N	107.0820W	837	From 1966-01-01 to 1974-01-01
Las Animas	S27A	Colorado,U.S.A.	37.6837N	102.8982W	1439	From 2008-12-15
Las Aradas	LHAH	Honduras	14.0500N	87.4083W	1650	
Las Brisas	LBRS	El Salvador	13.7383N	89.0433W	770	From 1991-12-01
Las Campanas	LCO	Coquimbo,Chile	29.0111S	70.7010W	2299	
Las Canadas	CCAN	Canary Islands,Spain	28.2217N	16.6050W	2210	
Las Cruces	LCCH	Santiago,Chile	33.4753S	71.5697W	180	From 1987-11-17
Las Cruces	LC-NM	New Mexico,U.S.A.	32.4022N	106.5994W	1585	
Las Cruces	LC-	New Mexico,U.S.A.	32.4022N	106.5994W	1585	
La Serena	LSCH	Coquimbo,Chile	29.9080S	71.2450W	52	
Las Flores	AIES	El Salvador	13.4564N	89.0514W	39	
Las Flores	FLS	Guatemala	13.8943N	90.0658W	180	
Las Granadillas	GRDS	El Salvador	13.7583N	89.2917W	1500	From 1991-12-01
Lasithi	LAST	Crete,Greece	35.1611N	25.4786E	870	
Lasjerd	ILAS	Iran	35.3822N	52.9589E	2195	From 1999-05-01
Las Lajas	LJX	Veracruz,Mexico	19.5383N	97.1492W	3050	From 1983-04-01
Las Lilas	GBS2	Costa Rica	10.8370N	85.4527W	392	From 2000-01-01
Las Melosas	LMEL	Santiago,Chile	33.8476S	70.2034W	1540	
Las Mercedes	MERV	Venezuela	9.2510N	66.2970W	156	From 2001-11-16
Las Mercedes	LMGC	Cuba	20.0640N	77.0050W		
Las Mesas	LSP	Puerto Rico	18.1757N	67.0858W	389	From 1975-11-14
Las Mesas	LSP2	Puerto Rico	18.1458N	66.9811W		
Las Morras, Villanueva del Duque, Cordoba	E031	Spain	38.3393N	4.9967W	691	From 2007-09-23 to 2009-06-16
Las Nubes	LNB	Nicaragua	12.0328N	86.2532W	640	From 1983-01-01
Las Nubes	NBG	Guatemala	14.5875N	90.3467W	2200	
Las Ollas	OLLA	Venezuela	10.0189N	66.8039W	947	From 1984-01-01
La Souterraine	LSF	Limousin,France	46.2500N	1.5294E	430	
LAS PENAS INFRASONIC ARRAY REFERENCE POINT	LPBO	Bolivia	16.2152S	68.4535W	4096	From 2000-01-03
Lassiter	DY2	Tennessee,U.S.A.	36.3302N	89.3520W	110	From 1969-01-01 to 1970-12-31
Last Change Range	LCH	California,U.S.A.	37.2330N	117.6450W	1414	
Las Vegas	LVW	Nevada,U.S.A.	36.1700N	115.1880W	654	
Las Vegas	LVN	Nevada,U.S.A.	36.1092N	115.1400W	610	From 1960-01-01 to 1970-12-31
Laterza	LATE	Italy	42.6137N	11.8040E	610	From 2006-05-04
Laterza	LTRZ	Italy	40.6033N	16.8191E	381	
Latheron	MLA1	Scotland,United Kingdom	58.3055N	3.3627W	188	From 1981-01-01
La Tirana	TIRA	Chile	20.3299S	69.5717W	1020	From 2009-12-05
La Tortuga	TORT	Venezuela	10.9084N	65.3139W	40	From 1984-01-01 to 1999-08-25
Latouche	LTI	Alaska,U.S.A.	60.0405N	147.8540W	302	From 1988-07-01
La Tour-de-Pellz	NOV4	Switzerland	46.4475N	6.8598E	380	From 2010-02-09
Latrobe	ALAM	California,U.S.A.	38.5667N	120.9560W	293	
La Tuque	LATQ	Quebec,Canada	47.3836N	72.7819W	163	From 2007-09-14
Latur	LATR	Maharashtra,India	18.4163N	76.5595E		
Lauchernalp	LAUCH	Raron,Switzerland	46.4155N	7.7717E	2160	From 2010-11-17
La Union	UON	Guerrero,Mexico	17.9700N	101.8150W		
Laupahoehoe	LPH	Hawaii,U.S.A.	19.9972N	155.4042W	6	
Laupendahl	LAUG	Nordrhein-Westfalen,Germany	51.3510N	6.9440E	140	From 2004-08-01
Lau Rambong	LARI	Sumatera,Indonesia	2.8856N	98.1572E	820	
Laurance Lake	VLL	Oregon,U.S.A.	45.4633N	121.6790W	1195	From 1980-10-01
La Urbina	LAU	Venezuela	7.9110N	71.7080W	1810	
Laurel	LL-	Mississippi,U.S.A.	31.7214N	89.3558W	91	From 1966-11-14 to 1966-12-03
Laurel	LL-MS	Mississippi,U.S.A.	31.7214N	89.3558W	91	From 1966-11-14 to 1966-12-03
Laurel Creek	LRCG	California,U.S.A.	37.5857N	118.9090W	2780	From 1984-07-01
Laurel Hill	JLAB	California,U.S.A.	37.1543N	121.7347W	318	
Laurel Hill	JLAM	California,U.S.A.	37.1543N	121.7340W	308	
Laurel Mountain	LRMC	California,U.S.A.	35.4773N	117.6892W	1256	
L'Aution	AUTN	Provence-Cote d'Azur,France	43.9955N	7.4275E	2065	
Lava2-Rev Volc	LAV2	Ecuador	0.0848S	77.6438W	2680	From 2002-03-08 to 2003-09-01
Lava3-Reventador	LAV3	Ecuador	0.0967S	77.6323W	2210	From 2004-11-09 to 2008-08-12
Lava4-Reventador	LAV4	Ecuador	0.0925S	77.6292W	2218	From 2008-08-13
Lava Cap Winery, Placerville	LAVA	California,U.S.A.	38.7552N	120.7395W	828	From 2004-12-09 to 2007-12-08
Lava Point	LVA	Alaska,U.S.A.	54.1609N	166.0338W	457	
Lavic	LAVC	California,U.S.A.	34.7658N	116.2865W	902	
La Victoria	LVG	Guatemala	14.9662N	91.0950W	2020	From 1978-06-01 to 1999-08-25
La Villa de Los Santos	LVS	Panama	7.9270N	80.4166W	37	From 2001-08-14
La Villita	LVGX	Guerrero,Mexico	18.0450N	102.1750W		
Lavrentia	LAVR	The Chukotsky Autonomous Okrug	65.5850N	171.0120W	18	From 2005-12-15
Lawrence	LAW	Kansas,U.S.A.	38.9594N	95.2500W	260	From 1909-01-01 to 2001-07-15
Lawrence	LAK	Kansas,U.S.A.	39.0463N	95.2045W	326	From 1977-08-14 to 2001-07-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lawton	X33A	Oklahoma,U.S.A.	34.5410N	98.5006W	346	From 2009-10-24
Lawton Elementary School	LAWT	Washington,U.S.A.	47.6565N	122.3894W	111	
Laxson Ranch, Crystal City	732A	Texas,U.S.A.	28.7292N	99.9707W	178	From 2009-02-16
La Yayitas	DR11	Dominican Republic	18.4719N	70.2346W	780	
Layou Valley	DLVT	Dominica	15.4365N	61.3946W	274	
Lazaro Cardenas	LAZM	Michoacan,Mexico	18.0360N	102.2050W		
Lazići	BBLS	Serbia	43.8660N	19.4050E	882	From 1996-01-24
Lazy	LACW	Czech Republic	50.0508N	12.6250E	838	From 1994-01-01
Lazy 6 Ranch, Villanueva	W24A	New Mexico,U.S.A.	35.2106N	105.4075W	1902	From 2008-05-03
Lazy EL Ranch, Roscoe	G18A	Montana,U.S.A.	45.3171N	109.5631W	1699	From 2007-10-28 to 2009-09-15
Lazy Trails Angus Ranch, Wood Lake	K29A	Nebraska,U.S.A.	42.7612N	100.3182W	840	From 2009-06-01
Lazy VL Ranch, Encino	X24A	New Mexico,U.S.A.	34.5646N	105.4349W	1917	From 2008-04-26
Le@15oga@12ne	LGNH	Haiti	18.5110N	72.6058W	62	
Leachville	LVAR	Arkansas,U.S.A.	35.9146N	90.2221W	71	
Lead	LEA	South Dakota,U.S.A.	44.3333N	103.8170W		
Lead Mine Pass	HKLM	Hong Kong,China	22.4121N	114.1588E	300	From 1997-04-23
Lead Mountain	LED	California,U.S.A.	34.4677N	115.9360W	853	From 1974-04-01
Leadore	H14A	Idaho,U.S.A.	44.6165N	113.3674W	1933	From 2007-08-16 to 2009-06-05
Leadville	LDV	Nevada,U.S.A.	41.0975N	119.3910W	1798	From 1974-03-01 to 1976-05-31
Leamington	P15A	Utah,U.S.A.	39.5708N	112.2786W	1576	From 2007-05-23 to 2009-04-11
Leaning Rock	LRCZ	South Island,New Zealand	45.0653S	169.3460E	1533	From 1986-12-01 to 2003-08-15
Leavenworth	C06D	Washington,U.S.A.	47.9229N	120.8943W	544	
Lebam	E03A	Washington,U.S.A.	46.5459N	123.5632W	72	From 2005-10-26 to 2009-01-08
Lebanon	LB-NH	New Hampshire,U.S.A.	43.6208N	72.2756W	274	From 1962-06-14 to 1962-06-28
Lebanon	LB-	New Hampshire,U.S.A.	43.6208N	72.2756W	274	From 1962-06-14 to 1962-06-28
Lebel-sur-Quevillon	LSQQ	Quebec,Canada	49.0580N	76.9796W	308	From 2009-09-13
Le Caire	OG25	Provence-Cote d'Azur,France	44.3698N	6.0735E	1060	
Lecce	LCI	Italy	40.3346N	18.1120E	46	
Ledoux Ranch, Antler	A27A	North Dakota,U.S.A.	48.9533N	101.2407W	466	From 2009-08-08
Leeds	LEE	Utah,U.S.A.	37.2430N	113.3767W	1097	From 1963-04-01 to 1999-08-25
Leeds	LDS	Utah,U.S.A.	37.2425N	113.3514W	1101	
Leeds University	LDU	England,United Kingdom	53.8025N	1.5553W	230	From 1983-01-01
Leesville	635A	Texas,U.S.A.	29.3877N	97.7736W	119	From 2009-12-17
Lee's Yard	MLYT	Montserrat	16.7213N	62.1910W	355	
Lee Vining	R07C	California,U.S.A.	38.0890N	119.0469W	1996	From 2005-08-03 to 2007-10-02
Lefka	LEF	Cyprus	35.1193N	32.8903E	130	From 1998-01-14
Lefkada island	LKD2	Greece	38.7889N	20.6578E	485	From 2008-06-02
Lefkose	LFK	Cyprus	35.2792N	33.5325E	690	From 1987-01-01
Legarje	LEGS	Slovenia	45.9488N	15.3177E	390	
Legaspi	LEG	Luzon,Philippines	13.1333N	123.7333E	19	
Legaspi	LGP	Luzon,Philippines	13.1562N	123.7340E	19	From 1975-10-01
Leghorn	LIV	Italy	43.5333N	10.3000E		
Legoe Bay, Lummi Island	A04A	Washington,U.S.A.	48.7197N	122.7070W	23	From 2004-09-19 to 2008-02-19
Legon	LEGH	Ghana	5.6483N	0.1814W	91	
Legon	LGG	Ghana	5.6483N	0.1967W	137	From 1976-11-01 to 1986-12-31
Lehigh University	LUPA	Pennsylvania,U.S.A.	40.5987N	75.3718W	255	From 2006-01-08
Leibel Peak	WLPM	California,U.S.A.	35.5077N	118.4090W	2265	
Leipzig	LEI	Sachsen,Germany	51.3350N	12.3917E	113	
Leirgulen	N2B6	Norway	61.8640N	5.3060E	20	
Leirhofn	ILEI	Iceland	66.4070N	16.4900W	41	From 1993-10-24
Lekhapani	LKP	Assam,India	27.3333N	96.0667E	148	
Le Mans	LMF	Pays de la Loire,France	48.0000N	0.2000E	77	
Le Marinel	LMA	Congo (Kinshasa)	10.3000S	25.4000E		
Lembang	LEM	Jawa,Indonesia	6.8266S	107.6175E	1293	From 1954-01-01
Lemhi Junction	LJI	Idaho,U.S.A.	43.8208N	112.8440W	1600	From 1990-05-15
Lemitar	LENM	New Mexico,U.S.A.	34.1655N	106.9740W	1698	
Lemmon	F27A	South Dakota,U.S.A.	45.8727N	102.0203W	757	From 2009-07-19
Lemonthyme	LMT	Tasmania,Australia	41.6100S	146.1520E	349	From 1969-09-25 to 1971-08-06
Le Moule	GLMO	Guadeloupe	16.3324N	61.3513W	5	From 2005-02-01
Leninakan	LEN	Armenia	40.7667N	43.8500E	1522	
Lenkeran, Azerbaijan	LKRN	Azerbaijan	38.7100N	48.7790E	65	From 2003-03-29
Lennox	LTN	Tennessee,U.S.A.	36.0630N	89.4950W		From 1977-08-01 to 1992-12-31
Lenox	LNXT	Tennessee,U.S.A.	36.1014N	89.4913W	144	
Lenox	LNX	Massachusetts,U.S.A.	42.3389N	73.2724W	345	
Lentini	HLNI	Sicily,Italy	37.3480N	14.8720E	95	From 1994-05-01
Leoben	LTA	Austria	47.4033N	15.0761E	840	
Leola	F30A	South Dakota,U.S.A.	45.8356N	99.0250W	601	From 2009-09-08
Leola	LAL	Alabama,U.S.A.	34.4367N	87.3372W	320	From 1989-03-28
Leon	LEON	Nicaragua	12.4160N	86.8925W	160	
Leon	LNM	Jalisco,Mexico	21.1167N	101.6675W	1800	
Leonard	LNO3	Oklahoma,U.S.A.	35.9125N	95.7892W	257	From 1992-01-01
Leonard	LNO	Oklahoma,U.S.A.	35.9125N	95.7892W	-487	From 1988-12-07
Leonard	LNO2	Oklahoma,U.S.A.	35.9125N	95.7892W	-171	From 1992-01-01
Leona Valley	LEOC	California,U.S.A.	34.6313N	118.3040W	1073	
Leon Cerro Gordo	LCG	Guanajuato,Mexico	21.1450N	101.7250W	2200	From 1968-03-01
Leoncito	RTLS	San Juan,Argentina	31.7989S	69.2969W	2250	
Leoncito	LEO	San Juan,Argentina	31.7997S	69.3353W	2400	
Leonessa	LNSS	Italy	42.6029N	13.0403E	1155	From 2004-05-10
Leota Junior High School	LEOT	Washington,U.S.A.	47.7679N	122.1151W	155	
Leova	LEOM	Moldova	46.4733N	28.2467E	52	From 1982-01-01
Lepanto	LPAR	Missouri,U.S.A.	35.6019N	90.3002W	66	
Le Parnasse	PAG	Guadeloupe	16.0297N	61.6800W	670	From 1950-01-01
Lepaterique	LTH	Honduras	14.0708N	87.3458W		From 1990-01-01
Le Pertre	LPF	Bretagne,France	48.0315N	1.0408W	156	
Le Peyrat	LPEF	Midi-Pyrenees,France	42.9485N	1.9077E	440	From 1998-10-20
Lephalale	LEP	Transvaal,South Africa	23.6497S	27.7468E	840	
Le Pouchou	LPO	Midi-Pyrenees,France	44.6831N	1.1869E	330	
Lerchenberg	LBG	Baden-Wurttemberg,Germany	48.6639N	8.7954E	594	From 1995-01-01
Leresti	LRR	Romania	45.4403N	25.0750E	700	From 1989-01-01
Lerida	LER	New South Wales,Australia	34.9344S	149.3640E	700	From 1970-01-01 to 1995-01-01
Lerik	LRK	Azerbaijan	38.6430N	48.3400E	1592	From 2009-11-25
Lermontov	LMTZ	Armenia	40.7570N	44.6440E	1810	
Lernakert	LERZ	Armenia	40.5670N	43.9500E	1990	
Le Roux Dam	PKR	Orange Free State,South Africa	30.0033S	24.7417E	1267	
Lerwick	LRWS	Shetland Islands,United Kingdom	60.1397N	1.1831W	80	
Lerwick	LRW	Shetland Islands,United Kingdom	60.1360N	1.1779W	83	From 1978-01-01
Les Avellanes	CAVN	Spain	41.8827N	0.7518E	626	
les Blancs	BLAF	Provence-Cote d'Azur,France	43.9510N	6.0450E	601	
Les Buteaux	LBF	Bourgogne,France	46.9844N	3.9772E	715	
l'Escarene	ESCA	Provence-Cote d'Azur,France	43.8310N	7.3740E	550	From 2004-09-23
Lescure	LESF	Midi-Pyrenees,France	43.0311N	1.2839E	460	
Les Eyzies	NE09	Aquitaine,France	44.8520N	0.9810E	160	From 1982-11-01 to 1986-02-28
Les Forges d'Abel	FDAF	France	42.8188N	0.5672W	1230	From 1998-05-20
Lesken	LSNR	Severo-Osetinskaya,Russia	43.2738N	43.8156E	694	From 2004-06-23
Leskovik	LSK	Albania	40.1500N	20.6000E	922	From 1985-01-01
Lesozavodsk	LES	Sakhalinskaya Oblast',Russia	44.7667N	147.1830E		
Lesparou	LSPF	Midi-Pyrenees,France	42.9481N	1.9042E	450	
Les Platons	JLP	Channel Islands,United Kingdom	49.2428N	2.1039W	131	From 1981-01-01
Les Rejaudoux	NE18	Limousin,France	45.3044N	1.5164E	410	From 1975-10-01 to 2001-07-28
Les Rejaudoux	RJF	Limousin,France	45.3044N	1.5164E	410	From 1975-10-01
Les Verrieres	BRANT	Switzerland	46.9380N	6.4730E	1145	From 2002-10-10
Letterbox	LBXM	New South Wales,Australia	34.2721S	150.8736E	400	
Letur, Albacete	E034	Spain	38.2298N	2.1918W	1292	From 2008-06-03 to 2009-09-14
Leukerbad	LKBD	Switzerland	46.3870N	7.6271E	1550	From 1994-12-21
Leukerbad 2	LKBD2	Switzerland	46.3745N	7.6443E	2128	From 2001-07-05
Levan	LEVU	Utah,U.S.A.	39.5065N	111.8147W	1996	From 1992-01-01
Levan Peak	LVU	Utah,U.S.A.	39.4917N	111.8270W	2530	From 1978-01-01
Levkas	LKD	Greece	38.7072N	20.6506E	1140	
Levy	LVY	Alaska,U.S.A.	64.2167N	149.2530W	230	From 1972-07-01
Lewis and Clark Caverns	LCCM	Montana,U.S.A.	45.8377N	111.8780W	1669	From 1983-03-01
Lewisburg	LE-TN	Tennessee,U.S.A.	35.6347N	86.7672W	213	From 1962-10-17 to 1962-10-27
Lewisburg	LE-	Tennessee,U.S.A.	35.6347N	86.7672W	213	From 1962-10-17 to 1962-10-27
Lewis Ranch	BLRM	California,U.S.A.	36.6660N	121.2730W	232	From 1973-02-15
Lewistown	LT-PA	Pennsylvania,U.S.A.	40.3392N	78.0667W	396	From 1962-11-08 to 1962-12-12
Lewistown	LT-	Pennsylvania,U.S.A.	40.3392N	78.0667W	396	From 1962-11-08 to 1962-12-12
Lewistown	LN-MA	Montana,U.S.A.	47.2119N	109.1489W	1448	
Lexington	LEX	Virginia,U.S.A.	37.7894N	79.4417W	311	From 1971-05-01 to 1977-12-31
Lexington	LEK	Kentucky,U.S.A.	38.0361N	84.5050W	299	From 1974-10-01 to 1976-05-31
Lexington Res.	JLXM	California,U.S.A.	37.2018N	121.9860W	244	From 1975-02-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lexington Reservoir	LXR	California,U.S.A.	37.2018N	121.9860W	244	From 1975-02-04
L&G Farms, Chester	B17A	Montana,U.S.A.	48.2921N	110.7988W	894	From 2007-11-15 to 2009-09-05
Lhasa	LSA	Xizang Zizhiqu,China	29.7000N	91.1500E	3789	
Lhasa	LHA	Xizang Zizhiqu,China	29.6367N	91.0367E	3789	
Lhers	LHE	Aquitaine,France	42.9130N	0.6213W	1070	
Lhok Sumawe	LHMI	Sumatera,Indonesia	5.2288N	96.9472E	3	From 2008-02-29
Liard River	LR9	British Columbia,Canada	59.4483N	126.1750W	610	
Libby	B12A	Montana,U.S.A.	48.4694N	115.5889W	764	From 2006-09-23 to 2009-08-07
Libby Dam	LDM	Montana,U.S.A.	48.4539N	115.3170W	838	From 1970-02-22 to 2004-03-11
Liberty	LTY	Washington,U.S.A.	47.2578N	120.6703W	970	
Liberty	LI-	Nevada,U.S.A.	38.3061N	117.2917W	1829	
Liberty	LI-NV	Nevada,U.S.A.	38.3061N	117.2917W	1829	
Liberty Hill	LHS	South Carolina,U.S.A.	34.4762N	80.8062W	120	From 1974-05-20
Lichensteins Rd	LIRZ	North Island,New Zealand	38.0050S	176.3842E	340	From 1992-06-15
Lichinga	LICM	Mozambique	13.2830S	35.2260E	1400	From 2006-06-01
Lichinga	LICH	Mozambique	13.2689S	35.2348E	1400	
Lidau	ELDTW	Taiwan region	23.1890N	121.0170E	1040	
Liddieville	LV-	Louisiana,U.S.A.	32.1361N	91.8750W	15	From 1963-06-28 to 1964-01-30
Liddieville	LV-LA	Louisiana,U.S.A.	32.1361N	91.8750W	15	From 1963-06-28 to 1964-01-30
Liddow	LID	Mecklenberg-Vorpommern,Germany	54.5481N	13.3664E	1	
Lien	ILIN	Iran	34.9186N	46.9624E	2195	From 2004-01-01
LIFOU	LIFNC	Loyalty Islands,New Caledonia	20.7771S	167.2402E	35	From 2010-04-01
Lightning Creek	LGTM	Victoria,Australia	36.7632S	147.4636E	1105	
Lignon Hill	VLH	Luzon,Philippines	13.1600N	123.7260E	67	From 1993-01-01
Lihir Island	LHIS	New Ireland,Papua New Guinea	3.1170S	152.6330E	10	From 1987-06-22
Liikasenvaara	KU4	Finland	66.3645N	29.5794E	290	From 2004-11-04
Lijar	LIJA	Spain	36.9061N	5.4038W	951	From 1987-11-01
Likavka	LIKS	Slovakia	49.0500N	19.1060E	341	From 2003-12-01
Likely Place Golf, Likely	M06C	California,U.S.A.	41.2047N	120.4772W	1434	From 2005-06-28 to 2007-10-21
Lilico Spur	LSCZ	South Island,New Zealand	45.1164S	169.3692E	759	From 1986-12-01 to 1996-04-30
Lille	LIL	Nord-Pas-de-Calais,France	50.6158N	3.0708E	13	
Lillehammer	LHN	Norway	61.0492N	10.8800E	555	From 1965-04-01 to 1999-08-25
Lille Linde	LLD	Denmark	55.3331N	12.2150E	8	
Lillevand	N1R4	Norway	66.4490N	13.8780E	55	
Lillevik	N1R2	Norway	66.2820N	13.2330E	61	
Lillooet	LLLB	British Columbia,Canada	50.6090N	121.8815W	700	
Lillooet	LLL	British Columbia,Canada	50.6950N	121.9170W		From 1959-01-01 to 1960-02-01
Lilltraesk	LILU	Sweden	65.2856N	19.8480E	100	From 2000-09-01
Lilongwe	LILM	Malawi	14.1840S	33.7750E	1106	
Lima	LIM	Peru	11.9750S	77.0347W	127	
Lima	H15A	Montana,U.S.A.	44.6173N	112.6439W	1957	From 2007-08-16 to 2009-06-07
Lima (Magdalena)	LM2	Peru	12.0850S	77.0583W	0	
Lima (NY)	LILH	New York,U.S.A.	42.9213N	77.6172W	233	
Limay	LIY	Nicaragua	13.1983N	86.5602W	460	From 1975-01-01
Limburg	LIBD	Baden-Wurttemberg,Germany	48.1505N	7.6030E	210	From 1985-01-01
Lime	LIME	Oregon,U.S.A.	44.4331N	117.2480W	1500	From 1990-04-01
Limekiln Ridge	LRM	Montana,U.S.A.	45.8222N	112.4510W	2326	From 1981-10-10
Limnos	LOS	Greece	39.9342N	25.0814E	460	From 1996-09-28
Limnos Island	LIA	Greece	39.8981N	25.1831E	60	From 1997-01-01
Limon	LICR	Costa Rica	9.9692N	83.0883W	105	
Limon	LIO	Costa Rica	10.0050N	83.0350W	62	
Limon	LNCR	Costa Rica	9.9658N	83.0693W	40	
Limonal	LIM1	Costa Rica	10.6982N	85.2520W	600	From 1993-01-01
Limon Verde	LVC	Antofagasta,Chile	22.6128S	68.9113W	2165	
Linares	LNCH	Maule,Chile	35.8475S	71.6013W	170	From 2005-01-13
Linares	LNIG	Nuevo Leon,Mexico	24.8982N	99.4657W	295	From 2006-01-16
Lincoln	ALNM	California,U.S.A.	38.9297N	121.2880W	54	From 1976-12-02
Lincoln	D15A	Montana,U.S.A.	47.0418N	112.5204W	1593	From 2006-10-05 to 2009-07-15
Lincoln	LCN	Nebraska,U.S.A.	40.8117N	96.7019W	352	
Lincoln	LIN	Nebraska,U.S.A.	40.8383N	96.6533W	366	
Lincoln	Q04C	California,U.S.A.	38.8390N	121.3769W	14	From 2004-12-10 to 2007-10-12
Lincoln School	LOC	California,U.S.A.	38.1525N	122.7130W	120	From 1970-08-14
Lincton Mountain	LNOR	Oregon,U.S.A.	45.8711N	118.2850W	768	From 1986-08-01
Linda	LDMO	Missouri,U.S.A.	36.4110N	89.5630W	86	From 1980-07-19
Linda, St. Vincent	A31A	Minnesota,U.S.A.	48.9320N	97.1888W	244	From 2010-08-25
Lindquist Farm, Mitchell	H06A	Oregon,U.S.A.	44.7344N	120.3346W	516	From 2006-08-16 to 2008-05-08
Lindsay	LINO	Ontario,Canada	44.3541N	78.7802W	268	
Lindsay	D23A	Montana,U.S.A.	47.1730N	105.2071W	895	From 2008-09-19
Linfen	LNF	Shanxi,China	36.0840N	111.3700E	555	
Lingo Farm, Meno	U33A	Oklahoma,U.S.A.	36.4327N	98.1135W	393	From 2009-10-25
Linhart Farms, Moccasin	D18A	Montana,U.S.A.	47.1961N	109.8023W	1202	From 2007-10-15 to 2009-09-10
Linkoeping	LNKU	Sweden	58.2232N	15.5047E	130	From 2002-03-25
Linthal, Matt	SLTM2	Switzerland	46.9236N	9.0009E	649	From 2011-05-01
Linth-Limmern	LLS	Switzerland	46.8468N	9.0083E	1860	From 1988-10-12
Lions Peak	HLPM	California,U.S.A.	37.0413N	121.6319W	102	
Lioujiau	CHN7	Taiwan region	23.4840N	120.2350E	6	
Lipari	LPI	Italy	38.4892N	14.9328E	225	From 1987-12-11
Lipari	LLI	Sicily,Italy	38.4450N	14.9481E	225	
Lipkovo	LIP	Former Yugoslav Rep. of Macedonia	42.1625N	21.5833E	483	From 1969-01-01
Lip M Gallina IE	ILMG	Sicily,Italy	38.4603N	14.9467E	170	From 1988-01-01
Lip Q Pani IE	ILIQ	Sicily,Italy	38.5100N	14.9158E	350	From 1988-01-01
Liptovska Anna	LANS	Slovakia	49.1505N	19.4678E	710	From 2010-02-25
Lisbon	LIS	Portugal	38.7165N	9.1491W	77	
Lisbon	LS-NH	New Hampshire,U.S.A.	44.2383N	71.9225W	287	From 1963-09-27 to 1965-03-22
Lisbon	LBNH	New Hampshire,U.S.A.	44.2401N	71.9259W	367	From 1993-08-14
Lisbon--Monsanto	PMST	Portugal	38.7368N	9.1833W	175	
Lisbon (USA)	LS-	New Hampshire,U.S.A.	44.2383N	71.9225W	287	From 1963-09-27 to 1965-03-22
Listvyanka	LSTR	Irkutskaya Oblast',Russia	51.8681N	104.8319E	450	
Lita	LITE1	Ecuador	0.7945N	78.3611W	1206	From 2006-01-18
Lita	LITE	Ecuador	0.8078N	78.3644W	1200	From 2007-01-01
Litchfield	LITR	California,U.S.A.	40.4308N	120.3208W	1646	
Litokhoron	LIT	Greece	40.1008N	22.4900E	480	From 1981-01-01
Little America	LAA	King Edward VII Land	78.2000S	162.2500W		
Little Aspen Butte	LAB	Oregon,U.S.A.	42.2675N	122.0640W	1774	From 1993-10-07
Little Butte	LBM	Montana,U.S.A.	46.5149N	111.8540W	1524	From 1974-10-09 to 1976-10-04
Little Cholame Creek	LCCB	California,U.S.A.	35.9801N	120.5142W	385	
Little Chuckwalla Mountains	LTC	California,U.S.A.	33.4890N	115.0700W	458	
Little Creek Mountain	LCMT	Utah,U.S.A.	37.0118N	113.2439W	1411	
Little Green Mountain	LGM	Idaho,U.S.A.	46.7330N	116.0930W	1455	From 1971-10-01 to 1974-07-25
Little Hoodo Mountain	LHD	Montana,U.S.A.	48.2578N	115.5580W	1134	
Little Horse	WLHM	California,U.S.A.	36.1524N	118.3131W	2645	
Little Humpy Peak	LHUT	Utah,U.S.A.	40.8914N	110.9964W	3084	From 2008-07-08
Little Huntoon Valley	LHV	Nevada,U.S.A.	38.2512N	118.5040W		
Little Lost River	LLRI	Idaho,U.S.A.	43.7230N	112.9330W	1471	From 1990-06-06
Little Maria Mountains	LTM	California,U.S.A.	33.9150N	114.9180W	744	From 1974-04-01
Little Mountain	LMTN	Tennessee,U.S.A.	35.8868N	83.4098W	610	From 1984-03-16 to 1991-09-08
Little Mountain	LTU	Utah,U.S.A.	41.5917N	112.2470W	1585	From 1974-09-01
Little Mount Hoffman	LMHM	California,U.S.A.	41.5790N	121.6570W	2228	From 1979-07-12
Little Rabbit V.	BRVM	California,U.S.A.	36.4243N	121.0180W	555	From 1969-11-26
Little Rabbit Valley	LRV	California,U.S.A.	36.4243N	121.0180W	555	From 1969-11-26
Little Raleigh	RNC	North Carolina,U.S.A.	35.6318N	78.9803W		
Little Rock	LRA	Arkansas,U.S.A.	34.7783N	92.3517W	150	From 1931-02-02 to 1967-07-27
Littlerock Reservoir	LRRC	California,U.S.A.	34.5260N	118.0280W		From 1976-05-01
Little Sitkin Island	LSI	Alaska,U.S.A.	51.9197N	178.5340E		From 1970-10-20 to 1972-06-30
Little Sitkin NW	LSNW	Alaska,U.S.A.	51.9705N	178.5169E	290	
Little Sitkin PP	LSPA	Alaska,U.S.A.	51.9569N	178.5734E	335	
Little Sitkin S'e	LSSA	Alaska,U.S.A.	51.9496N	178.5132E	549	
Little Sitkin SE	LSSE	Alaska,U.S.A.	51.9332N	178.5690E	335	
Little Skull Mountain	LSM	Nevada,U.S.A.	36.7389N	116.2716W	1162	From 1971-07-20 to 2002-10-10
Little Skull Mountain	LSN	Nevada,U.S.A.	36.7536N	116.2590W	1070	
Little Table Mountain	LTMT	Montana,U.S.A.	44.5258N	112.1100W	2603	From 1989-09-14
Little Thumb Creek	YLT	Wyoming,U.S.A.	44.4370N	110.5880W	2439	
Liverpool	LVR	England,United Kingdom	53.4167N	2.9333W	60	
Livingston	LTL	U.S.A.	30.5374N	90.7660W	21	
Liwa	LWLI	Sumatera,Indonesia	5.0175S	104.0589E	938	From 2005-01-01
Liyang	LYP	Luzon,Philippines	14.6334N	120.4851E	100	
Liyutan	TWQ1	Taiwan region	24.3480N	120.7730E	260	
Ljotipollur	LJO	Iceland	64.0235N	19.0230W		
Ljubljana	LJU	Slovenia	46.0438N	14.5274E	396	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Llanada	LLA	California,U.S.A.	36.6167N	120.9430W	475	From 1961-01-01
Llanberis	YLL	Wales,United Kingdom	53.1402N	4.1704W	162	From 1984-01-01
Llano	LLAC	California,U.S.A.	34.8455N	117.4855W	1018	
Llanuwychllyn	LLW	Wales,United Kingdom	52.8492N	3.6650W	213	
Llaves	U22A	New Mexico,U.S.A.	36.3773N	106.8546W	2119	From 2008-05-22
Llico	LLIC	Bio-Bio,Chile	37.2293S	73.5942W	70	
Llivia	CLLI	Spain	42.4792N	1.9741E	1411	
Llolleo	LLCH	Santiago,Chile	33.6105S	71.6182W	30	
Llyn Conwy	WLC	Wales,United Kingdom	52.9956N	3.7788W	440	From 1985-01-01
Llynfaes	WLF1	Wales,United Kingdom	53.2894N	4.3966W	58	From 1985-01-01
Lobatse	LBTB	Botswana	25.0145S	25.5970E	1028	From 1993-01-01
Lobios	ELOB	Spain	41.8674N	8.0611W	980	
Localitˆ Poggio-Vacaldola (Sant'Agata Feltria RN)	PR02	Italy	43.8586N	12.1569E	520	From 2011-05-25
Localitˆ San Martino (Sarsina - FC)	T0502	Italy	43.9006N	12.1371E	467	From 2011-05-25
Lock 6	L6KY	Kentucky,U.S.A.	37.9260N	84.8200W		
Lock 6	LGKY	Kentucky,U.S.A.	37.9260N	84.8200W	128	From 1983-11-01 to 1988-04-13
Locke Island	LOCW	Washington,U.S.A.	46.7170N	119.4308W	210	From 1982-11-01
Lockhart	LOKY	Kentucky,U.S.A.	37.2370N	88.2950W	230	From 1992-12-01
Lockwood Valley	LOK	California,U.S.A.	34.7245N	119.0910W	1570	
Loc. Pratieghi (Badia Tedalda - AR)	T0503	Italy	43.7399N	12.1008E	865	From 2011-05-25
Lodge	LDG	Alabama,U.S.A.	33.2905N	87.5350W	95	
Lodge Grass	G21A	Montana,U.S.A.	45.2250N	107.2070W	1227	From 2008-07-24
Lodgepole	F26A	South Dakota,U.S.A.	45.8512N	102.6697W	852	From 2009-07-12
Lodi Road	LDR	Delhi,India	28.5833N	77.2167E		
Lodumlu	LOD	Turkey	39.8890N	32.7640E	902	
Loei	LOE	Thailand	17.4063N	101.7300E	259	From 1984-08-01
Loei	LOEI	Thailand	17.5093N	101.2644E	305	
Loerrach-Stetten	LOES	Baden-Wurttemberg,Germany	47.6047N	7.6663E	307	From 2004-06-16
Lofoten	LOF	Norway	68.1310N	13.5420E	80	From 1987-01-01
Logan	LOG	Utah,U.S.A.	41.7417N	111.8130W	1455	
Logan Glacier	LOGN	Alaska,U.S.A.	60.8245N	141.0028W	1665	
Log Cabin	LCA	Alabama,U.S.A.	33.3067N	87.4683W	132	From 1971-01-09
Logie Almond	ELO	Scotland,United Kingdom	56.4706N	3.7119W	495	From 1969-01-01
Loginova	LGNR	Kamchatskaya Oblast',Russia	56.0828N	160.6897E	2500	
Logrono	LGR	Spain	42.4578N	2.5032W	446	From 1963-01-01 to 1989-11-30
Logumkloster	NE03	Denmark	55.0450N	9.1530E	25	From 1983-02-01 to 2001-07-28
Lohaghat	LGTI	India	29.4500N	80.2463E	0	
Lohaghat	LGAT	Nepal	29.4500N	81.8333E		
Loja	ALOJ	Spain	37.1090N	4.1050W	1340	
Lokbatan	LKB	Azerbaijan	40.3050N	49.7150E	30	From 1980-01-01
Lokris	LKR	Greece	38.6506N	22.9994E	180	From 1997-01-01
Loma Alta	LALZ	El Salvador	13.5393N	88.5422W	474	
Loma Carmona	SACA	Dominican Republic	18.9775N	69.6803W		From 1986-07-12
Loma Colora	SDD01	Dominican Republic	19.1235N	69.9732W	165	
Loma de el Viento	LEV	Venezuela	7.7661N	63.0607W	337	
Loma El Cafe	SDD07	Dominican Republic	18.7828N	70.2223W	620	
Loma El Joboban	MAVI	Dominican Republic	19.2457N	69.9117W		From 1986-09-07
Loma El Mogote	SDD04	Dominican Republic	19.4835N	70.4855W	905	
Loma en Medio	LOMO	Dominican Republic	18.8767N	68.8613W	0	
Loma La Ceniza	SDD03	Dominican Republic	19.3370N	70.0685W	410	
Loma La Naviza	DR08	Dominican Republic	18.9623N	70.0217W	640	
Loma La Naviza	DR8	Dominican Republic	18.9624N	70.0217W		
Loma Manaclilla	SDD05	Dominican Republic	19.1017N	70.4478W	425	
Loma Pena Alta	DR12	Dominican Republic	18.7878N	69.3807W	640	
Loma Prieta	JLPM	California,U.S.A.	37.1110N	121.8430W	1152	
Loma Quita	QUES	Dominican Republic	19.3530N	70.1480W	0	
LOMAS DE OLMEDO	ALOL	Salta	23.8148S	63.9712W	510	From 1996-10-25
Loma Siseviere	SDD02	Dominican Republic	19.6035N	69.9483W	440	
Loma Yayales	SDD08	Dominican Republic	18.9885N	69.6922W	325	
Lome	LOM	Togo	6.1217N	1.2133E	5	
Lometa	334A	Texas,U.S.A.	31.3325N	98.2379W	389	From 2009-11-14
Lo Mia Camp, Pine	X16A	Arizona,U.S.A.	34.4178N	111.4411W	1759	From 2007-03-30
Lomita	LOMS	California,U.S.A.	33.7952N	118.2790W	-173	From 1989-12-20
Lomont	LOMF	Franche Comte,France	47.3508N	6.8275E	1000	
Lompoc	BLP	California,U.S.A.	34.5603N	120.4000W	134	From 1969-11-01
London (Ont)	LND	Ontario,Canada	43.0410N	81.1830W	246	From 1961-12-07 to 1967-05-31
London (Ont)	LDN	Ontario,Canada	43.0400N	81.1833W	246	From 1975-06-01
Lone Oak Road	PLOM	California,U.S.A.	36.2465N	121.0430W	308	From 1970-08-14
Lone Oak Road	LRC	California,U.S.A.	36.2465N	121.0430W	308	From 1970-08-14
Lone Pine	LN9	California,U.S.A.	36.5944N	118.1850W	500	
Lone Star	LST	Missouri,U.S.A.	36.5230N	89.7310W	83	
Lone Tree Road	HLTM	California,U.S.A.	36.8845N	121.3080W	183	From 1970-08-17
Lone Tree Road	LTR	California,U.S.A.	36.8845N	121.3080W	183	From 1970-08-17
Long Ground	MLGT	Montserrat	16.7250N	62.1623W	287	
Long Hollow	LOHW	Wyoming,U.S.A.	43.6124N	110.6040W	2121	From 1986-01-01
Longmire	LON	Washington,U.S.A.	46.7500N	121.8100W	854	From 1958-03-12
Longmont	O24A	Colorado,U.S.A.	40.1227N	105.0729W	1553	From 2008-07-03
Long Mynd	HLM1	Wales,United Kingdom	52.5184N	2.8807W	429	From 1984-01-01
Longovilo	LNV	Valparaiso,Chile	33.9558S	71.4108W	160	From 1972-01-01
Long Quarter, Great Bend	R32A	Kansas,U.S.A.	38.4225N	98.7111W	573	From 2009-10-28
Longridge	LLO	England,United Kingdom	53.8503N	2.5598W	247	From 1989-01-01 to 1991-10-14
Long Valley	LG-AZ	Arizona,U.S.A.	34.4078N	111.5458W	1768	From 1964-04-02 to 1965-10-04
Long Valley	LVNJ	New Jersey,U.S.A.	40.8095N	74.7650W	201	From 1977-06-08
Long Valley	LG-	Arizona,U.S.A.	34.4078N	111.5458W	1768	From 1964-04-02 to 1965-10-04
Lonorore	LNR	Vanuatu	15.8519S	168.1600E	8	
Lookout	M05C	California,U.S.A.	41.3593N	121.1457W	1333	From 2005-06-29 to 2007-10-10
Lookout Mountain	LMCR	California,U.S.A.	37.7283N	118.9450W	2530	From 1979-11-01
Lookout Mountain	LKGA	Georgia,U.S.A.	34.6233N	85.4722W	655	From 1985-12-05
Lookout Mountain Observatory	LMS	California,U.S.A.	34.0692N	118.4400W	131	
Lookout Mountain Observatory	LMO	California,U.S.A.	34.1086N	118.3880W	392	From 1971-02-12 to 1973-06-30
Lookout Peak	LOP	Nevada,U.S.A.	36.8544N	116.1677W	1714	From 1979-01-23 to 2002-10-10
Look Rock	LRKT	Tennessee,U.S.A.	35.6340N	83.9240W	780	From 1983-10-25
Lopu atari	LOPT	Romania	45.4740N	26.5691E	780	
Lorado	LRDO	Arkansas,U.S.A.	35.9692N	90.6953W	137	From 1988-12-01
Lorca	EXLO	Spain	37.6760N	1.7000W	407	
Lorch/Rhein	WBD	Hessen,Germany	50.0847N	7.8570E	229	From 2001-11-30
Lord Howe Island	LHI	New South Wales,Australia	31.5200S	159.0631E	73	From 2007-07-08
Lorgues	LRG	Provence-Cote d'Azur,France	43.4547N	6.3603E	110	
Lormes	LOR	Bourgogne,France	47.2683N	3.8589E	520	
Lorqui	EXLR	Spain	38.0820N	1.2530W	115	
Los Alamitos	LNAS	California,U.S.A.	33.7892N	118.0550W	-50	From 1972-05-01
Los Alamos	LOA	New Mexico,U.S.A.	35.8247N	106.2940W	2144	From 1972-01-12 to 1999-08-25
Los Alamos Infrasonic Array Beam Ref. Pt.	LSIAR	New Mexico,U.S.A.	36.7681N	106.3340W		
Los Alamos Infrasonic Array Site 1	LSI01	New Mexico,U.S.A.	36.7681N	106.3340W		
Los Alamos Infrasonic Array Site 2	LSI02	Colorado,U.S.A.	36.8619N	105.2269W		
Los Alamos Infrasonic Array Site 3	LSI03	New Mexico,U.S.A.	36.9657N	105.3340W		
Los Alamos Infrasonic Array Site 4	LSI04	New Mexico,U.S.A.	36.8619N	107.4411W		
Los Angeles Museum of Natural History	LCM	California,U.S.A.	34.0178N	118.2870W		From 1971-08-01
Los Banos	LBPH	Luzon,Philippines	14.1540N	121.1800E	300	
Los Chungos	CHNG	Coquimbo,Chile	31.8828S	71.4998W	27	From 2005-03-12
Los Guarumos	LGUZ	El Salvador	13.6447N	88.5613W	220	
Los Lagos	LOLA	Costa Rica	10.4900N	84.7137W	550	
Los Molles	MOCH	Valparaiso,Chile	32.2319S	71.5069W	15	
Los Morros	CEN1	Antofagasta,Chile	23.3897S	70.2000W	1090	From 2005-09-16
Los Niches	NICH	Maule,Chile	35.0026S	71.2296W	220	From 2004-06-03
Los Osos Digital	LSDC	California,U.S.A.	35.2973N	120.8430W	244	
L'Ospedale	OSPF	Corse,France	41.6632N	9.1915E	965	From 2003-01-01
Los Pinos Mountain	LPM	New Mexico,U.S.A.	34.3117N	106.6320W	1737	From 1976-01-01
Los Pintados	PINT	Chile	20.7613S	69.3973W	1146	From 2009-12-05
Los Queltehues	LQT	Santiago,Chile	33.8147S	70.2119W	1400	From 1976-06-26
Los Roques	LORO	Venezuela	11.9520N	66.6768W	69	From 1984-01-01
Lossen Ranch, Watonga	V33A	Oklahoma,U.S.A.	35.8209N	98.2862W	420	From 2009-10-31
Losser	NE31	Netherlands	52.2641N	7.0066E	35	
Los Tablones	LTG	Guatemala	14.9625N	90.1553W	928	From 1978-06-01 to 1999-08-25
Lost Marbles Ranch, Westfall	I09A	Oregon,U.S.A.	43.9733N	117.7407W	950	From 2006-07-27 to 2008-07-11
Lostock Dam	LOSM	New South Wales,Australia	32.3304S	151.4556E	109	
Los Trancos	JLTM	California,U.S.A.	37.3537N	122.2040W	270	From 1966-12-15
Los Trancos Road	JTRM	California,U.S.A.	37.3522N	122.1980W	251	
Los Trancos Woods	LTW	California,U.S.A.	37.3537N	122.2040W	270	From 1966-12-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lost Valley Reservoir	LVRI	Idaho,U.S.A.	44.9447N	116.4520W	1700	From 1991-08-01
Losuia	LOSU	D'Entrecasteaux Islands,Papua New Guinea	8.5119S	151.0740E	10	From 1983-12-08
Los Vilos	VICH	Coquimbo,Chile	31.9112S	71.5104W	44	
Lotru	LOT	Romania	45.4481N	23.7694E	1240	
Louis Bay	LOU	Alaska,U.S.A.	60.4655N	147.6440W	490	
Louis Trichardt	LTT	Cape Province,South Africa	29.7233S	23.0150E	1006	
Loup City	LCNC	Nebraska,U.S.A.	41.3083N	98.9387W	671	
Loup City	LCNE	Nebraska,U.S.A.	41.3083N	98.9387W	671	
Lourdes	PYLO	Midi-Pyrenees,France	43.0982N	0.0478W	407	From 2001-07-24
Loures	PLOU	Portugal	38.8852N	9.1518W	180	
Loutraki	LOUT	Greece	37.9879N	22.9743E	307	From 2010-05-27
Loutraki	LTK	Greece	38.0230N	22.9670E	410	From 2006-01-01
Loutraki	LTRA	Greece	37.9754N	22.9766E	100	From 2008-03-15
Lovejoy Buttes	LJB	California,U.S.A.	34.5912N	117.8480W	899	From 1977-12-01
Lovelace Mesa, Carrizozo	Y23A	New Mexico,U.S.A.	33.9315N	106.0549W	1789	From 2008-04-12
Lovelock	LO-	Nevada,U.S.A.	39.9353N	118.8394W	1280	From 1963-02-23 to 1963-03-29
Lovelock	LO-NV	Nevada,U.S.A.	39.9353N	118.8394W	1280	From 1963-02-23 to 1963-03-29
Lovelock	LVK	Nevada,U.S.A.	40.1870N	118.5250W	1225	From 1969-11-05 to 1975-11-30
Lovikneset	N2B3	Norway	61.8250N	4.9530E	10	
Lovozero	LVZ	Karel'skaya,Russia	67.8979N	34.6514E	630	
Lower Browns Hole	LBUT	Utah,U.S.A.	41.3097N	111.7320W	1768	From 1978-06-01 to 1981-05-31
Lower Mag Wash	LWA	Utah,U.S.A.	38.4903N	112.8610W	1817	
Loyalton	LOY	California,U.S.A.	39.6600N	120.2400W	0	
Lualailua	LLAH	Hawaii,U.S.A.	20.6270N	156.3103W	683	
Luanda	LUA	Angola	8.5000S	13.2333E	69	
Lubang	LUBP	Mindoro,Philippines	13.7340N	120.2460E	50	
Lubbock	LUB	Texas,U.S.A.	33.5833N	101.8670W	979	From 1948-06-01
Lubilhac	LBL	Auvergne,France	45.2323N	3.2470E	950	
Luboga	LBGA	Congo (Kinshasa)	1.2650S	29.1170E	1850	
Lubrecht Forest	LFM	Montana,U.S.A.	46.8898N	113.4530W	1256	From 1974-08-02 to 1976-10-04
Lubudi	LBC	Congo (Kinshasa)	9.9000S	25.9833E	1375	From 1966-12-01 to 1999-08-25
Lubumbashi	ELI	Congo (Kinshasa)	11.6500S	27.4667E	1245	
Luby	LUBY	Czech Republic	50.2602N	12.3592E	625	
Luby	LBCW	Czech Republic	50.2655N	12.4123E	638	From 2000-01-01
Lucas Creek	LCW	Washington,U.S.A.	46.6707N	122.7008W	396	
Lucas Heights	LHBM	New South Wales,Australia	34.0537S	150.9786E	168	
Lucedale	LD2MS	Mississippi,U.S.A.	30.8528N	88.5406W	79	
Lucedale	LD-	Mississippi,U.S.A.	30.9500N	88.8833W	70	From 1966-11-13 to 1966-12-03
Lucedale	LD3MS	Mississippi,U.S.A.	30.6661N	89.0436W	46	
Lucedale	LD-MS	Mississippi,U.S.A.	30.9500N	88.8833W	70	From 1966-11-13 to 1966-12-03
Luceram	LUCF	Provence-Cote d'Azur,France	43.8925N	7.3462E	1087	From 2006-05-17
Lucky Boy Pass	LBP	Nevada,U.S.A.	38.4320N	118.7390W	2280	
Lucky Star	LSUT	Utah,U.S.A.	41.6848N	111.5580W	2225	From 1979-11-01 to 2004-03-11
Lucoli (AQ)	RM01	Italy	42.2767N	13.3356E	1350	From 2009-04-06 to 2009-08-31
Lucq-de-Bearn	LDBL	Aquitaine,France	43.3189N	0.6139W	250	
Luda	DAI	Liaoning,China	38.9000N	121.6330E	97	
Luepa	LUEV	Venezuela	5.8430N	61.4610W	1380	From 2003-06-04
Luganville	LUG	Vanuatu	15.5178S	167.1300E	150	
Lugnano (Citt^ di Castello) - PG	AT02	Italy	43.3681N	12.1744E	360	From 2010-04-01
Lugo	EXLU	Spain	43.0120N	7.5540W	466	
Lukban	LQP	Luzon,Philippines	14.1120N	121.5390E	1650	
Luk Keng	HKLK	Hong Kong,China	22.5138N	114.2106E	90	From 1997-04-23
Lukmanier-Pass	LUKA1	Switzerland	46.5647N	8.8001E	1921	From 2005-12-15
Lumberton	LU-MS	Mississippi,U.S.A.	31.0389N	89.2389W	91	
Lumbreras	ALUM	Salta,Argentina	25.2376S	64.8794W	812	
Lummi Island	A04D	Washington,U.S.A.	48.7201N	122.7063W	13	
Lunacharskoye	LNC	Uzbekistan	41.3333N	69.3500E		
Lund	LUNU	Sweden	55.6320N	13.4460E	128	From 2008-02-21
Lund	LUN	Sweden	55.6983N	13.1867E	32	
Luning	LNG	Nevada,U.S.A.	38.6150N	118.2100W		
Lupin Mine	LUPN	Northwest Territories,Canada	65.7383N	111.2569W	505	
Luque	ELUQ	Spain	37.5605N	4.2668W	703	From 1992-01-23
Luri	LURI	Corse,France	42.8988N	9.3958E	180	From 1989-11-01
Lusaka	LUS	Zambia	15.3837S	28.3312E	1259	From 1971-01-01 to 1999-08-25
Lusaka	LSZ	Zambia	15.2766S	28.1882E	1184	From 1984-01-01
Lussari	LSR	Italy	46.4758N	13.5278E	1750	From 1988-01-01
Lutao	TWH	Taiwan region	22.7103N	121.4773E	50	From 1974-09-17
Luther M School	OK005	Oklahoma,U.S.A.	35.6549N	97.1911W	298	
Lutirano	LMD	Italy	44.0767N	11.7239E	450	
Luwuk	LUWI	Sulawesi,Indonesia	1.0418S	122.7717E	6	From 2008-03-09
Luxembourg	LUX	Luxembourg	49.6000N	6.1333E		
Luz	PLUZ	Azores,Portugal	39.0164N	27.9773W	98	From 2005-08-01
Luzern Werkhofstrasse	SLUW	Luzern,Switzerland	47.0463N	8.3179E	436	From 2010-12-01
Luzhba, Kemerovskaya Oblast', Russia	LUZB	Kemerovskaya Oblast'	53.6611N	88.9001E	489	From 2006-01-01
L'vov	LVV	Ukraine	49.8190N	24.0310E	320	
Lwiro	LWI	Congo (Kinshasa)	2.2393S	28.8025E	1772	From 1953-01-01
Lyangar	LNA	Tajikistan	38.4000N	69.3500E		
Lyman	M18A	Wyoming,U.S.A.	41.4272N	110.0674W	2103	From 2007-10-27 to 2009-05-21
Lyman	LYW	Washington,U.S.A.	48.5353N	122.1020W	107	From 1975-04-16
Lynden	LY-WA	Washington,U.S.A.	48.6475N	122.2028W	122	
Lynnwood City Hall ANSS-SMO	LYNC	Washington,U.S.A.	47.8255N	122.2938W	19	From 2005-02-08
Lyon Mountain	LYMT	Montana,U.S.A.	46.9700N	112.2895W	2237	From 1996-08-31
Lyons Estate	DLE	Ireland	53.2872N	6.5436W	140	From 1980-04-25 to 1990-12-31
Lyons Farm	DLF	Ireland	53.2958N	6.5314W	96	From 1990-08-01
Lysite	J21A	Wyoming,U.S.A.	43.3459N	107.4459W	1913	From 2008-08-07
Lytham Saint Anne's	LLY	England,United Kingdom	53.7975N	2.9069W	33	From 1989-01-01
M12	M12	Hawaii,U.S.A.	19.3948N	155.3080W	1116	From 1972-12-01 to 1973-02-28
Ma'ale Noah	NOH	Israel	30.6890N	34.9620E	680	
Maars	MRS	Alaska,U.S.A.	57.8567N	156.4890W	131	From 1977-05-20
Maaselka	MSF	Finland	65.9113N	29.0402E	365	
Maasin	MSLP	Leyte,Philippines	10.1340N	124.8590E	50	
Macae	CAM1	Rio de Janeiro,Brazil	22.3978S	41.8338W	139	
Macagua	GMC	Venezuela	8.3000N	62.6833W		
Macapo	MAPV	Venezuela	9.8308N	68.4573W	355	From 2008-01-16
Macas	MACE	Ecuador	2.2549S	78.1985W	1553	From 2006-01-22
Macdoel	M04C	California,U.S.A.	41.7826N	121.8393W	1391	From 2005-06-30 to 2007-10-23
Macedon	MACM	Victoria,Australia	37.4303S	144.6910E	576	
Machiques	MCHV	Venezuela	10.0460N	72.5800W	0	
Machtesh Katan	MKT	Israel	30.9480N	35.1520E	520	From 1983-01-01
Mackay	I14A	Idaho,U.S.A.	43.9286N	113.4518W	1897	From 2007-08-13 to 2009-08-13
MacKay Lake North	MCKN	Northwest Territories,Canada	64.1980N	110.2132W	431	
Mackay Peak	MCPI	Idaho,U.S.A.	43.9003N	113.7040W	2902	From 1983-11-01
MacKenzie Ranch, Jordan Valley	K10A	Oregon,U.S.A.	42.7779N	116.8705W	1701	From 2006-12-16 to 2008-07-24
Mack Ranch, Harrison	K25A	Nebraska,U.S.A.	42.6120N	103.8705W	1437	From 2008-11-15
Macquarie Island	MCQ	Macquarie Islands,Australia	54.4986S	158.9560E	14	From 1950-06-01
Macquarie Island	MQI	Macquarie Islands,Australia	54.5200S	158.9300E	250	
Mactan	MAP	Cebu,Philippines	10.3228N	123.9807E	137	From 1980-01-22
Macugnaga	MCGN	Italy	45.9575N	7.9878E	1185	
Madang	MDG	Papua New Guinea	5.2501S	145.7800E	27	From 1974-12-01
Madang	MAD	Papua New Guinea	5.2333S	145.8000E		
Maddock	MDND	North Dakota,U.S.A.	47.8481N	99.6029W	488	From 2008-09-03
Madeira	PMAR	Madeira Islands,Portugal	32.7237N	16.9137W	1605	
Madeleine	MADF	Aquitaine,France	43.1457N	0.8195W	535	
Madison	MDS	Wisconsin,U.S.A.	43.3722N	89.7600W	278	From 1962-01-16 to 1968-06-10
Madison Junction	MJW	Wyoming,U.S.A.	44.6483N	110.8590W	2111	From 1964-01-01 to 1999-08-25
Madison River	YMR	Wyoming,U.S.A.	44.6687N	110.9650W	2149	
Madoc	MADO	Ontario,Canada	44.4360N	77.4708W	138	
Madonna delle Grazie (Coppito)	T0104	Italy	42.3599N	13.3382E	754	From 2009-04-07
Madras	MDR	Tamil Nadu,India	13.0000N	80.1833E	15	
Madras	H05A	Oregon,U.S.A.	44.6473N	121.2271W	720	From 2005-12-09 to 2008-01-30
Madrid	MDD	Spain	40.4000N	3.6833W		
Madsous	MADS	Saudi Arabia	29.1080N	35.0730E	645	From 1993-09-01
Maebashi	MAE	Gumma,Japan	36.4017N	139.0650E	112	
Maebashi 2	MAEJ	Gumma,Japan	36.5377N	139.1795E	1665	From 1989-03-25
Maesarieng	MHMT	Thailand	18.1764N	97.9310E	164	
Maesberg Ranch, Thedford	L29A	Nebraska,U.S.A.	42.0641N	100.4779W	901	From 2009-06-04
Mafra	PMAFR	Portugal	38.9554N	9.2827W	329	From 2006-07-31
Magadan	MA2	Magadanskaya Oblast',Russia	59.5753N	150.7680E	339	
Magadan	MAG	Magadanskaya Oblast',Russia	59.5540N	150.8050E	50	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Magadan 1	MGD	Magadanskaya Oblast',Russia	60.0460N	150.7300E	221	
Magadi	MAGK	Kenya	1.9182S	36.2873E	660	From 1994-02-01
Magalia	MGL	California,U.S.A.	39.8117N	121.5580W	1010	From 1966-06-01
Magasa	MAGA	Italy	45.7753N	10.6286E	1265	From 2006-06-21
Magazine Ridge	OKFG	Alaska,U.S.A.	53.4107N	167.9115W	201	
Magdalena	MMG	Guatemala	14.5380N	90.6815W	2190	From 1975-03-01
Magdalena	MAG1	Ecuador	0.0722S	79.7733W	316	From 2005-08-24
Magdalena	MAGD	Ecuador	0.0685S	79.7738W	340	
Magdalen Islands	MADG	Gulf of St. Lawrence	47.2748N	61.6892W	78	From 2005-10-01
Mageik Landslide	MGLS	Alaska,U.S.A.	58.1343N	155.1608W	472	From 1996-08-01
Maghara	AMAG	Egypt	30.6430N	33.2083E	601	
Magodro	MGO	Fiji	17.7925S	177.7400E	726	From 1983-09-01
Magosa	MAGT	Cyprus	35.1000N	33.8700E	7	
Magruder Mountain	MGM	Nevada,U.S.A.	37.4411N	117.4961W	2148	
Maguayo	MGPB	Puerto Rico	18.0500N	67.0400W	60	
Maguayo	MGP	Puerto Rico	18.0076N	67.0891W	60	From 1975-11-14
Maguga Dam	MAGG	Swaziland	26.0739S	31.2668E	694	
Mag Wash	MWA	Utah,U.S.A.	38.4981N	112.8470W	1878	
Mahabad	IMAH	Iran	36.7666N	45.7167E	1344	From 1991-11-01
Mahableshwar	MAH	Maharashtra,India	17.8900N	73.6500E	1382	
Mahdasht	IMHD	Iran	35.6853N	50.6675E	1150	From 1996-01-01
Mahe	SEY1	Seychelles	4.6150S	55.4908E	270	
Mahe Island	MSEY	Seychelles	4.6737S	55.4792E	475	
Mahia	MAHZ	North Island,New Zealand	39.1883S	177.8808E	336	From 1987-03-01 to 1999-08-25
Mahia Peninsula	MHGZ	North Island,New Zealand	39.1543S	177.9068E	302	From 2007-08-24
Mahoenui	MOZ	North Island,New Zealand	38.5058S	174.8030E	160	From 1990-04-26 to 2003-09-29
Mahon	MAHO	Balearic Islands,Spain	39.8959N	4.2665E	25	
Mahukona	MHA	Hawaii,U.S.A.	20.1878N	155.9030W	5	From 1983-01-01
Mail Ridge	KMRM	California,U.S.A.	40.2220N	123.7086W	915	
Mains of Drumtochty	DRUM	Scotland,United Kingdom	56.9126N	2.4865W	208	From 2009-04-01
MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT	MAIM	Cape Verde Islands	15.2573N	23.1839W	44	From 2007-05-30
Maissana	MSSA	Italy	44.3162N	9.5174E	930	From 2008-11-21
Maitri	MAIT	Dronning Maud Land	70.7760S	11.7360E	132	
Maizieres J'ville	MEZF	Champagne-Ardenne,France	48.5019N	5.0519E	245	
Maizuru	MZH	Kyoto,Japan	35.4483N	135.3200E	21	
Maizuru	MAI	Kyoto,Japan	35.4717N	135.3870E	31	
Maizuru 2	MZH2	Kyoto,Japan	35.4017N	135.3933E	170	From 1994-02-24
Majene	MJSI	Sulawesi,Indonesia	3.5503S	118.9803E	97	From 2005-01-01
Majene	PMSI	Sulawesi	3.5008S	118.9149E	306	
Makanchi	MAKZ	Kazakhstan	46.8080N	81.9770E	570	From 1996-09-14
Makanchi Array Beam Reference Point	MKAR	Kazakhstan	46.7937N	82.2904E	615	
Makanchi Array site	MK06	Kazakhstan	46.7751N	82.3133E	637	From 2000-08-28
Makanchi Array site	MK05	Kazakhstan	46.7937N	82.2913E	615	From 2000-08-28
Makanchi Array site	MK32	Kazakhstan	46.7937N	82.2904E	609	From 2000-08-28
Makanchi Array site	MK07	Kazakhstan	46.7538N	82.3156E	627	From 2000-08-28
Makanchi Array site	MK02	Kazakhstan	46.7694N	82.3086E	639	From 2000-08-28
Makanchi Array site	MK09	Kazakhstan	46.7744N	82.2769E	579	From 2000-08-28
Makanchi Array site	MK31	Kazakhstan	46.7937N	82.2904E	609	From 2000-08-28
Makanchi Array site	MK04	Kazakhstan	46.7715N	82.2951E	589	From 2000-08-28
Makanchi Array site	MK08	Kazakhstan	46.7561N	82.2866E	607	From 2000-08-28
Makanchi Array site	MK03	Kazakhstan	46.7656N	82.3015E	630	From 2000-08-28
Makanchi Array site	MK01	Kazakhstan	46.7700N	82.3003E	609	From 2000-08-28
Makaopuhi	MKA	Hawaii,U.S.A.	19.3678N	155.1640W	881	From 1964-03-01 to 2002-10-16
Makara Radio	MRW	North Island,New Zealand	41.2300S	174.7000E	235	From 1976-01-26
Makassar	MKS	Sulawesi,Indonesia	5.2178S	119.4700E	28	From 1970-06-01
Makatiti	MKRZ	North Island,New Zealand	38.1403S	176.4667E	300	
Makawir	MKRJ	Jordan	31.5522N	35.6408E	815	From 1983-09-01
Makeyevka	MKY	Ukraine	48.0333N	37.9833E		
Makhachkala	MAK	Dagestan,Russia	42.9610N	47.5050E	42	
Makhata	MAX	Georgia	41.7117N	44.8225E	575	From 2003-01-01
Maki	MAKK	Kumamoto,Japan	32.9173N	130.9279E	440	
Makna	MKNA	Saudi Arabia	28.4380N	34.8750E	650	From 1993-07-01
Makrakomi, Fthiotida	MAKR	Greece	39.0132N	22.1317E	532	From 2008-06-18
Maku	MAKU	Iran	39.3548N	44.6833E	1730	From 2004-04-03
Makukawa	MAKT	Fukushima,Japan	37.6792N	140.2494E	1240	
Makushin Cirque	MCIR	Alaska,U.S.A.	53.9513N	166.8918W	800	From 1996-08-01
Makushin Gods Own Repeater Site	MGOD	Alaska,U.S.A.	53.7947N	166.8725W	695	From 1996-08-01
Makushin Julie Andrews	MSOM	Alaska,U.S.A.	53.8165N	166.9490W	50	From 1996-08-01
Makushin Nateekin	MNAT	Alaska,U.S.A.	53.8838N	166.6833W	390	From 1996-08-01
Makushin Rep'tr	MREP	Alaska,U.S.A.	53.8105N	166.7456W	785	
Makushin Switchbacks	MSW	Alaska,U.S.A.	53.9147N	166.7827W	418	From 1996-08-01
Makushin Table Top	MTBL	Alaska,U.S.A.	53.9693N	166.6785W	865	From 1996-08-01
Malabar	MLB	Jawa,Indonesia	7.2167S	107.6170E	1550	From 1911-01-01 to 1945-12-31
Malad City	L15A	Idaho,U.S.A.	42.0041N	112.3860W	1645	From 2007-07-13 to 2009-05-05
Malad Range	MLI	Idaho,U.S.A.	42.0268N	112.1260W	1896	From 1974-10-01
Mala Drenova	MDRV	Serbia	43.6915N	21.0919E	0	
Malaga	MAL	Spain	36.7275N	4.4111W	60	From 1915-01-01
Malaga	EXMA	Spain	36.7260N	4.3930W	83	
Malaga-Limonero	EMAL	Spain	36.7620N	4.4292W	80	From 1993-05-20
Malaga, Loving	226A	New Mexico,U.S.A.	32.0618N	104.1014W	929	From 2008-03-22 to 2009-02-21
Malagash, Nova Scotia	MALG	Nova Scotia,Canada	45.7903N	63.3271W	22	From 2005-10-15
Malaho	MAOD	Djibouti	12.0944N	42.2253E	329	From 2004-01-01
Malaspina Glacier	MLA	Alaska,U.S.A.	59.7633N	140.1500W	46	
Malaspina Glacier	MLP	Alaska,U.S.A.	59.7633N	140.1500W	46	
Malataya	MYA	Turkey	38.3261N	38.4253E	1050	
Malatya	MALT	Turkey	38.3134N	38.4273E	1120	
Malatya	MLTT	Turkey	38.3542N	38.3617E	1170	From 1992-10-01 to 2002-04-25
Malaya Ipel'ka	MIPR	Kamchatskaya Oblast',Russia	52.2761N	156.7581E	370	
Malden	MLD	Missouri,U.S.A.	36.5587N	89.9698W		From 1967-11-01 to 1969-11-30
Malden	MLDM	Missouri,U.S.A.	36.6250N	89.9195W	84	
Malga Bissina	MABI	Italy	46.0549N	10.5140E	1853	From 2003-12-17
Malga Garda, Italy	MGRD	Italy	45.9754N	12.0152E	1335	From 2010-06-08
Malibu	MABC	British Columbia,Canada	50.1647N	123.8560W	75	From 1991-03-20
Malinalco, Edo de Mexico	MAVM	Mexico	18.9572N	99.4942W	1824	From 2009-07-01
Malin Array Beam Reference Point	AKASG	Ukraine	50.7012N	29.2242E	160	
Malin Array Site 01	AK01	Ukraine	50.6911N	29.2131E	160	
Malin Array Site 02	AK02	Ukraine	50.6573N	29.2057E	170	
Malin Array Site 03	AK03	Ukraine	50.7263N	29.2217E	160	
Malin Array Site 04	AK04	Ukraine	50.7226N	29.1660E	160	
Malin Array Site 05	AK05	Ukraine	50.6197N	29.2036E	180	
Malin Array Site 06	AK06	Ukraine	50.5858N	29.1985E	190	
Malin Array Site 07	AK07	Ukraine	50.5507N	29.2044E	170	
Malin Array Site 08	AK08	Ukraine	50.6338N	29.2548E	122	
Malin Array Site 09	AK09	Ukraine	50.6151N	29.2846E	180	
Malin Array Site 10	AK10	Ukraine	50.5990N	29.2513E	180	
Malin Array Site 11	AK11	Ukraine	50.6784N	29.1677E	160	
Malin Array Site 12	AK12	Ukraine	50.6437N	29.1549E	180	
Malin Array Site 13	AK13	Ukraine	50.6123N	29.0606E	180	
Malin Array Site 14	AK14	Ukraine	50.6306N	29.1076E	180	
Malin Array Site 15	AK15	Ukraine	50.6951N	29.1240E	170	
Malin Array Site 16	AK16	Ukraine	50.6700N	29.1058E	170	
Malin Array Site 17	AK17	Ukraine	50.6851N	29.0574E	170	
Malin Array Site 18	AK18	Ukraine	50.7221N	29.0676E	170	
Malin Array Site 19	AK19	Ukraine	50.7222N	29.0116E	180	
Malin Array Site 20	AK20	Ukraine	50.7430N	29.0100E	170	
Malin Array Site 21	AK21	Ukraine	50.7764N	29.0419E	160	
Malin Array Site 22	AK22	Ukraine	50.7608N	29.0712E	160	
Malin Array Site 23	AK23	Ukraine	50.7625N	29.1254E	160	
Malin Array Site BB	AKBB	Ukraine	50.7012N	29.2242E	160	
Malindi	MALM	Malawi	14.3500S	35.3170E	496	
Malini	MII	Romania	47.4558N	26.0747E	400	
Mallet	U28A	Texas,U.S.A.	36.3793N	102.2243W	1165	From 2009-04-16
Mallorca	ETOS	Balearic Islands,Spain	39.7678N	2.8144E	480	
Malnas	MSR	Romania	46.0381N	24.8214E	640	From 1982-09-01
Malnisio	MLNI	Italy	46.1500N	12.6100E	814	
Malo-Kuril'sk	MLK*	Sakhalinskaya Oblast',Russia	43.8667N	146.8170E		
Malo Peshtene	MPEP	Bulgaria	43.3560N	23.7401E	339	From 2007-05-10
Malpasso	EMLP	Sicily,Italy	37.6842N	15.1778E	115	From 1994-10-01
Malpelo	MAPC	Colombia	4.0000N	81.6000W	137	From 2009-06-28

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Malta	MLT	Malta	35.9000N	14.4800E	18	From 1982-07-01
Malta	L14A	Idaho,U.S.A.	42.0343N	113.2398W	1528	From 2007-07-17 to 2009-05-08
Malvaux	MLV	Bourgogne,France	47.2655N	3.0387E		
Malvern	MCJ	Jamaica	17.9250N	77.6870W	755	From 1977-02-20
Mambajao	MAM	Mindanao,Philippines	9.2500N	125.6000E		From 1917-01-01 to 1935-12-31
Mamelis	MAME	Netherlands	50.8004N	5.9733E	160	From 2009-03-10
Mammari	MAMC	Cyprus	35.1710N	33.2180E	240	
Mammoth Hot Springs	MHS	Wyoming,U.S.A.	44.9770N	110.6850W		From 1964-01-01 to 1974-10-31
Mammoth Lakes Airport	MLAC	California,U.S.A.	37.6301N	118.8361W	2134	
Mammoth Pass	MMPM	California,U.S.A.	37.6100N	119.0280W	2870	From 1983-08-26
Mammoth Vault	YMV	Wyoming,U.S.A.	44.9737N	110.6888W	1829	
Mamou	MAMG	Guinea	10.2645N	11.9650W	773	From 1991-07-01
Mamousia	MAMO	Greece	38.1520N	22.1443E	650	From 2001-12-10
Mamuju	MMSI	Sulawesi,Indonesia	2.6900S	118.9100E	221	From 2008-01-01
Manaccan	CMA1	England,United Kingdom	50.0821N	5.1274W	42	From 1993-01-01
Manadas	PMAN	Azores,Portugal	38.6327N	28.0890W	180	
Manado	MNI	Sulawesi,Indonesia	1.4439N	124.8399E	191	From 1972-01-01
Managua	MGAN	Nicaragua	12.1468N	86.2472W	80	
Manakhah	MNKH	Yemen	15.0652N	43.7500E	0	
Manam	AMAN	Egypt	23.9333N	32.9340E		
Manamana	MANV	Venezuela	9.7992N	70.7962W		
Manantiales	MAA	Mendoza,Argentina	32.0839S	69.8500W		
Manas	MNSR	Dagestan,Russia	42.7028N	47.7194E	-20	
Manas	MNAS	Kyrgyzstan	42.4870N	72.5040E	1515	
Manawahe	MARZ	North Island,New Zealand	37.9867S	176.6744E	480	From 1992-06-15
Mancha de Ca Pechiches	PECV	Ecuador	0.7773S	80.0488W	442	From 2008-06-06
Manchester	MX-	Tennessee,U.S.A.	35.5503N	86.2700W	305	From 1962-11-14 to 1962-12-12
Manchester	MX-TN	Tennessee,U.S.A.	35.5503N	86.2700W	305	From 1962-11-14 to 1962-12-12
Manchester	MNWA	Washington,U.S.A.	47.5650N	122.5341W	1554	From 2002-11-01
Mandailing Natal	MNSI	Sumatera,Indonesia	0.7955N	99.5796E	0	From 2007-12-01
Mandalay	MND	Myanmar	22.0157N	96.1148E	93	From 1966-10-01 to 1999-08-25
Mandiavato	MDSM	Madagascar	19.0852S	47.0306E	1511	
Mandileni	MDL	Cape Province,South Africa	30.7100S	28.8000E	1320	From 1988-01-01 to 1999-12-31
Mangahao	MNG	North Island,New Zealand	40.6186S	175.4820E	396	From 1965-11-01 to 2003-08-15
Mangahewa	MHEZ	North Island,New Zealand	39.0778S	174.3229E	194	From 2008-03-04
Mangalia	MANR	Romania	43.8168N	28.5876E	71	From 2008-10-02
Mangalore	MNGI	Karnataka,India	12.9417N	74.8227E		
Mangatainoka River	MRZ	North Island,New Zealand	40.6625S	175.5792E	320	From 1992-06-01
Mangateitei	MTVZ	North Island,New Zealand	39.3864S	175.4703E	815	From 2005-03-16
Mangla	MNL	Pakistan	33.1472N	73.7500E	436	
Mangrove Creek Dam	MGCD	New South Wales,Australia	33.2096S	151.1092E	219	From 1997-11-05
Manhattan	AMNH	New York,U.S.A.	40.7808N	73.9738W		
Manhattan	MHK	Kansas,U.S.A.	39.1874N	96.5792W	318	From 1974-11-19 to 2001-07-15
Manhattan	MHT	Kansas,U.S.A.	39.1997N	96.5806W	339	
Manica	MANI	Mozambique	18.9482S	32.8843E	1300	
Manicaragua	MGV	Cuba	22.1100N	79.9800W		
Manicouagan	MNQ	Quebec,Canada	50.5333N	68.7744W	564	From 1974-11-27
Manihiki	MNHK	Cook Islands	10.4150S	161.0330W	1	
Manila	MAN	Luzon,Philippines	14.6600N	121.0780E	70	From 1949-01-01
Manila South	MSAR	Arkansas,U.S.A.	35.7842N	90.1469W	69	
Manipur University	MUM	Manipur,India	24.7498N	93.9242E	784	
Manisa	MANT	Turkey	38.4908N	28.5578E	2008	From 2002-12-12
Maniwaki	MIQ	Quebec,Canada	46.3667N	75.9667W	199	From 1974-02-27 to 1981-04-30
Manley	MLY	Alaska,U.S.A.	65.0308N	150.7390W	804	From 1990-09-25
Manna	MNAI	Sumatera,Indonesia	4.3605S	102.9557E	154	From 2006-07-27
Mann Creek Ranch, Princeton	K08A	Oregon,U.S.A.	42.7308N	118.4864W	1391	From 2006-06-29 to 2008-04-08
Manning	D26A	North Dakota,U.S.A.	47.0301N	102.4357W	693	From 2009-07-23
Manning Farm, Rocklake	A29A	North Dakota,U.S.A.	48.9228N	99.2321W	480	From 2009-08-20
Manof	MNFI	Israel	32.8510N	35.2360E	350	
Manokwari, Papua	MWPI	Irian Jaya,Indonesia	0.9300S	134.0400E	70	From 2008-01-01
Mansa	MZZ	Zambia	11.1422S	28.8760E	1256	From 1984-01-01
Manso	MSB	Mato Grosso,Brazil	14.8864S	55.8172W	360	
Manteigas	MTE	Portugal	40.3997N	7.5442W	815	From 1974-12-10
Manter	S28A	Kansas,U.S.A.	37.5899N	101.8979W	1064	From 2009-04-10
Manton Dam	MTN	Northern Territory,Australia	12.8436S	131.1327E	137	From 1972-06-01
Mantova	MNTV	Italy	45.1495N	10.7897E	36	From 2009-07-29
Manual Prospect Mine,Trona	MPMC	California,U.S.A.	36.0600N	117.4900W	1839	From 2004-04-01
Manuel Ranch, Winnett	D20A	Montana,U.S.A.	47.0911N	108.1362W	902	From 2008-08-15
Manus Island	MANU	Papua New Guinea	2.0432S	147.3662E	141	From 2009-04-01
Many	MANYT	Tanzania	5.4463S	34.5030E	1258	
Manysh	MNYS	Turkmenistan	37.7720N	58.6080E	680	
Manzanillo	MNZ	Colima,Mexico	19.0542N	104.3306W	60	
Manzanita Entrance	LMEM	California,U.S.A.	40.5378N	121.5700W	1753	From 1988-11-04
Manzanita Lake	LMZM	California,U.S.A.	40.5443N	121.5640W	329	From 1976-11-12
Manzanita Lake	MLC	California,U.S.A.	40.5367N	121.5620W	1800	From 1956-06-01
Manzenberg	MANZ	Bayern,Germany	49.9862N	12.1083E	638	From 1996-07-31
Mapaga	MPSI	Sulawesi,Indonesia	0.3374N	119.8980E	0	From 2007-12-01
Mapinhane	MAPI	Mozambique	22.2486S	35.0917E	39	From 2010-05-25
Maple Bay	SHDB	British Columbia,Canada	48.7970N	123.6360W	55	From 2003-02-28
Maple Canyon	MPU	Utah,U.S.A.	40.0155N	111.6333W	1909	
Maple Creek	YMC	Wyoming,U.S.A.	44.7593N	111.0060W	2073	From 1974-10-01
Maple Falls	A05A	Washington,U.S.A.	48.9983N	122.0852W	174	From 2005-11-25 to 2009-01-08
Mapleton	I02A	Oregon,U.S.A.	44.0035N	123.8299W	170	From 2005-11-17 to 2008-01-22
Maple valley SMO-IDS24	MPL	Washington,U.S.A.	47.4684N	122.1858W	122	From 1997-01-01
Maputo	LMM	Mozambique	25.9686S	32.5942E	55	
Maracay	MARA	Venezuela	10.3239N	67.6069W	1200	From 1984-01-01 to 1999-08-25
Marana (Italy)	MARN	Italy	45.6378N	11.2099E	550	From 2009-11-27
Marand	IMRD	Iran	38.7133N	45.7030E	1684	From 1995-08-01
Marapu	PGMAR	New Britain,Papua New Guinea	5.5830S	150.7675E	110	
Marathon	MTX	Texas,U.S.A.	30.3079N	103.2542W	1363	
Maraveh tapeh	MRVT	Iran	37.6593N	56.0893E	870	From 2006-03-18
Marayes	AMAR	San Juan,Argentina	31.4555S	67.3277W	659	
Marble Bar	MBL	Western Australia,Australia	21.1600S	119.8330E	200	From 1976-06-23 to 2006-05-29
Marble Bar	MBT	Western Australia,Australia	21.1700S	119.7420E	200	From 1972-10-01 to 1976-06-23
Marble Bar	MBWA	Western Australia,Australia	21.1590S	119.7312E	194	From 2001-08-25
Marble Canyon	MCA	California,U.S.A.	36.6466N	117.2805W	303	From 1979-01-23
Marblemount	B06A	Washington,U.S.A.	48.5183N	121.4845W	75	From 2006-09-17 to 2008-11-12
Marchena, Sevilla	E012	Spain	37.3710N	5.5248W	144	From 2007-10-30 to 2009-07-07
Marconi Conference Center, Marshall	MCCM	California,U.S.A.	38.1448N	122.8802W	-7	
Marcus Island	MCS	Marcus Island,Japan	24.2900N	153.9880E		From 1966-01-01 to 1970-12-31
Mardin	MARD	Turkey	37.3139N	40.7789E	1290	From 2005-06-24
Mared	SMRD	Iran	30.4979N	48.3069E	5	From 2010-08-11
Maredsous	BMRD	Belgium	50.3025N	4.7675E	215	From 1997-09-25
Mareno di Piave, Italy	MMAR	Italy	45.8419N	12.3602E	33	From 2010-06-07
Mareth	MART	Tunisia	33.5768N	10.2495E	140	
Marewa	MRH	North Island,New Zealand	39.4992S	176.8880E	4	From 1987-03-19 to 1989-07-31
Margaret Lake	MGTN	Northwest Territories,Canada	63.6856N	109.5911W	411	
Marguerite Bay	ANC	Antarctic Peninsula	68.1944S	67.0000W	7	
Maria Elena	MACH	Antofagasta,Chile	22.1955S	69.7577W	2003	From 2007-11-21
Mariazell	MZA	Austria	47.7703N	15.3283E	990	
Ma'rib	MARB	Yemen	15.4640N	45.3200E	1120	From 1994-11-01
Maricao	MRCP	Puerto Rico	18.1770N	67.0310W	330	
Maricopa	MARC	California,U.S.A.	35.0025N	119.3390W	436	
Marie-Galante	MGG	Guadeloupe	15.9180N	61.3168W	51	
Marienthal	R29A	Kansas,U.S.A.	38.4243N	101.1383W	957	From 2009-04-17
Mariestad	MRE	Sweden	58.6170N	13.7460E		From 1980-01-01 to 1991-12-31
Marin Headlands	MHDL	California,U.S.A.	37.8421N	122.4940W	0	
Marino	MA9	Italy	41.7702N	12.6593E	340	From 2000-05-11
Marion BPA Site DOGAMI SMO	MRIN	Oregon,U.S.A.	44.8002N	122.6995W	187	From 2002-03-19
Marion Island	MIO	Prince Edward Islands	46.9583S	37.9000E	10	
Mariponipon	MRPI	Sumatera,Indonesia	1.6125N	99.3172E	1100	
Marisa	MRSI	Sulawesi,Indonesia	0.4771N	121.9406E	0	From 2007-12-01
Markates	VMA	Greece	38.7058N	23.5876E	468	From 1983-01-01
Markates	MRKA	Greece	38.7058N	23.5875E	424	From 2008-10-16
Marked Tree	MK-	Arkansas,U.S.A.	35.5589N	90.2653W	61	
Marked Tree	MK-AR	Arkansas,U.S.A.	35.5589N	90.2653W	61	
Market Rasen	LMK	England,United Kingdom	53.4569N	0.3266W	130	From 1991-01-01
Marks Point, NSW, Australia	MKPT	New South Wales,Australia	33.0556S	151.6432E	20	From 2005-09-01
Mark West Springs	MAC	California,U.S.A.	38.5505N	122.7230W	134	From 1970-08-14

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mark W Springs	NMWM	California,U.S.A.	38.5505N	122.7230W	134	From 1970-08-14
Marlboro	MARL	Vermont,U.S.A.	42.7990N	72.8378W	580	From 1977-08-08 to 1983-02-25
Marlo Lake	MLON	Northwest Territories,Canada	63.9696N	109.8953W	418	
Marmara Adasi	MRMT	Turkey	40.6032N	27.5957E	800	
Marmara-Ereglisi-Tekirdag	SBT3	Turkey	40.8847N	27.9751E	-1204	From 2011-01-21
Marmari	MRMA	Greece	38.0573N	24.3792E	300	From 2008-10-14
Marmaris-Mugla	MRSB	Turkey	36.7160N	28.1967E	402	From 2011-04-07
Marmelete	MORF	Portugal	37.3063N	8.6508W	650	
Marmol	MRL	Guatemala	15.0658N	89.6912W	1460	From 1979-10-01
Maron	MAJ	Jawa,Indonesia	7.5667S	110.4170E		
Marquesado	RTMQ	San Juan,Argentina	31.5057S	68.6667W	798	
MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	MAIAR	Marquesas archipelago	8.8678S	140.1591W	806	From 2005-03-29
Marquette Ranch, East Glacier	B14A	Montana,U.S.A.	48.3609N	113.2729W	1529	From 2007-09-14 to 2009-08-10
Marrel Ranch, Paradise Valley	M09A	Nevada,U.S.A.	41.4230N	117.4497W	1355	From 2006-04-26 to 2008-04-01
Marsad	MRSJ	Jordan	29.6850N	35.3219E	810	From 1990-03-15
Marsa Matruh	MMT	Egypt	31.3800N	27.2750E		From 1975-01-01 to 1980-12-31
Marseilles	MAR	Provence-Cote d'Azur,France	43.3053N	5.3939E	75	
Marsico Vetere	MARE	Italy	40.3932N	15.8113E	1030	
Marston	MARMO	Missouri,U.S.A.	36.5300N	89.6690W	82	
Martakert	MTKZ	Armenia	40.2000N	46.8200E	480	From 1998-01-01
Martimbang	MARI	Sumatera,Indonesia	1.9603N	98.9681E	1680	
Martinez Indian Reservation	MIRC	California,U.S.A.	33.4162N	116.0810W	91	
MARTIN GARCIA	MGBA	Buenos Aires	34.1886S	58.2478W	22	From 1994-04-08
Martinsdale	E17A	Montana,U.S.A.	46.4620N	110.8576W	1835	From 2007-09-13 to 2009-09-07
Martis Peak	MPK	California,U.S.A.	39.2957N	120.0300W	2484	From 1973-04-01
Martos, Jaen	E024	Spain	37.7225N	3.9241W	1239	From 2007-07-02 to 2009-06-24
Martuni	MTNZ	Armenia	39.7970N	47.1140E	400	From 1998-01-01
Martvili	MARV	Georgia	42.4100N	42.3800E	190	
Marumori	JMM	Miyagi,Japan	37.8660N	140.7930E	100	
Maruseppu	JMP	Abashiri,Japan	44.0070N	143.3597E	460	
Marv??o	PMRV	Portugal	39.4283N	7.3917W	430	From 2007-07-01
Mary	MRY	Turkmenistan	37.6000N	61.8667E		
Mary Lake	YML	Wyoming,U.S.A.	44.6053N	110.6432W	2653	
Mary Lake	YPML	Wyoming,U.S.A.	44.6028N	110.6063W	2519	
Maryland--Naval Ordinance Lab	NLM	Maryland,U.S.A.	39.0324N	76.9805W	114	From 1962-01-01 to 1972-12-31
Mary Lane Ranch, Marfa	526A	Texas,U.S.A.	30.0609N	104.0898W	1405	From 2008-03-05 to 2010-02-09
Marymoor Park	MARYW	Washington,U.S.A.	47.6625N	122.1211W	11	
Mary's Peak	MPOR	Oregon,U.S.A.	44.5048N	123.5500W	1249	From 1990-08-01
Marysvale	MVU	Utah,U.S.A.	38.5037N	112.2123W	2239	
Marysvale	MSU	Utah,U.S.A.	38.5123N	112.1772W	2105	From 1975-11-01
Marysville	MV-CL	California,U.S.A.	39.2131N	121.2931W	183	From 1961-10-22 to 1966-03-12
Marysville	MV-	California,U.S.A.	39.2131N	121.2931W	183	From 1961-10-22 to 1966-03-12
Maryville	MVLT	Tennessee,U.S.A.	35.7340N	83.9420W		From 1984-01-29
Maryville College	MVMO	Missouri,U.S.A.	38.6465N	90.5009W	183	
Masachapa	MCH	Nicaragua	11.8747N	86.5287W	147	From 1975-01-01
Masada	MZBI	Israel	31.3126N	35.3580E	-56	From 2010-06-27
Masada	MSDA	Israel	31.3200N	35.2900E	400	
Masada	MZDA	Israel	31.3096N	35.3628E	-275	From 1991-05-01
Masamba	MSSI	Sulawesi,Indonesia	2.5547S	120.3241E	111	From 2005-01-01
Masan	KSMAS	South Korea	35.1706N	128.5725E	78	From 2000-12-05
Masaya	MASN	Nicaragua	11.9873N	86.1513W	500	
Masbate	MMPH	Luzon,Philippines	12.3580N	123.6240E	11	
Masc	MASC	Cuba	20.1750N	74.2310W		
Mas de Barberans	CMAS	Spain	40.7267N	0.3150E	530	From 2006-04-01
Mash'abbe Sade	MASH	Israel	30.9960N	34.7850E	365	
Mashad	ISRO	Iran	36.3088N	59.4703E	1050	From 2007-03-01
Mashad	MHI	Iran	36.3088N	59.4703E	1150	From 1975-09-15
Mashhad	MSH	Iran	36.3111N	59.5878E	987	From 1965-09-17 to 1975-09-06
Mashhad (SRO)	MAIO	Iran	36.3083N	59.4717E	1150	From 1975-10-01
Mashhad University	MUI	Iran	36.3117N	59.6050E	1000	From 1972-01-01
Masjed Soleyman	MSHA	Iran	31.9000N	49.3000E		
Maskali	MKL	Djibouti	11.7123N	43.1498E	5	
Masohi	MSAI	Moluccas,Indonesia	3.3461S	128.9285E	82	From 2005-01-01
Mason Butte	MAS	Idaho,U.S.A.	46.6327N	116.3580W	1141	From 1971-10-01 to 1976-01-14
Massena	MSNY	New York,U.S.A.	44.9983N	74.8620W	55	From 1977-02-01
Masseria Cannata	ECAN	Sicily,Italy	37.8880N	14.9100E	1140	From 1994-10-01
Masset	MSTB	British Columbia,Canada	54.0033N	132.1180W	91	From 1987-12-04
Masset	MASB	British Columbia,Canada	54.0150N	132.0230W	15	
Mastiano	MAIM	Italy	43.9142N	10.4915E	210	From 2000-09-01
Masuda	JMD	Shimane,Japan	34.6317N	131.8933E	260	
Masugnsbyn	MASU	Sweden	67.4569N	21.9983E	500	From 2003-11-19
Masuku	MSKU	Gabon	1.6557S	13.6116E	287	
Matagami	MATQ	Quebec,Canada	49.7589N	77.6376W	280	From 2007-09-19
Matakaoa Point	MXZ	North Island,New Zealand	37.5638S	178.3063E	126	From 2004-03-01
Matam	MMS	Senegal	15.6167N	13.3333W	50	
Mataram	KLNI	Lombok	8.4219S	116.0949E	99	
Mataram	MTNI	Lombok,Indonesia	8.6360S	116.1707E	108	From 2005-01-01
Matarih	MATL	Lebanon	33.4887N	35.3297E	5	From 2000-11-01
Matatall Enterprise, Big Sandy	138A	Texas,U.S.A.	32.6604N	95.0887W	143	From 2010-02-22
Matau	MTUR	Romania	45.2261N	25.0630E	1018	From 1988-08-01
Matawai	MWZ	North Island,New Zealand	38.3357S	177.5275E	600	From 2004-02-29
Matea Rd	MRHZ	North Island,New Zealand	38.8337S	176.4173E	772	From 2010-05-14
Matera	MATE	Italy	40.6493N	16.7047E	0	From 2007-04-24
Mathat	MATF	Poitou-Charentes,France	45.8308N	0.2883W	30	
Mati	MATI	Luzon,Philippines	6.9460N	126.2570E	120	
Matias Romero	CMIG	Oaxaca,Mexico	17.0910N	94.8840W	200	
Matka	MYG	Former Yugoslav Rep. of Macedonia	41.9567N	21.3008E	306	From 1969-01-01
Matopo	MATP	Zimbabwe	20.4258S	28.4994E	1215	
Matouba	MBG	Guadeloupe	16.0481N	61.6839W	830	
Matruh	HMAT	Egypt	31.0940N	27.0964E	239	
Matruh	MAT1	Egypt	31.3450N	27.2340E	55	
Matruh	MATC	Egypt	31.3457N	27.2305E	30	
Matshushiro Site	MJ00	Nagano,Japan	36.5427N	138.2070E	406	
Matsu	MTST	Taiwan region	26.0900N	119.5600E	113	
Ma-tsu	MATB	Taiwan region	26.1515N	119.9456E	75	
Matsu Arr-Jizo	MJA0	Nagano,Japan	36.5427N	138.2472E	629	
Matsu-Daira	MJB3	Nagano,Japan	36.4847N	138.2944E	848	
Matsue	MTS	Shimane,Japan	35.4550N	133.0720E	18	
Matsu-Inaba	MJB8	Nagano,Japan	36.5214N	138.2099E	729	
Matsu-Irikaruiz	MJB6	Nagano,Japan	36.4712N	138.2507E	762	
Matsu-Jizotouge	MJA4	Nagano,Japan	36.5115N	138.2422E	997	
Matsula	MTSE	Estonia	58.7144N	23.8146E	3	From 2006-08-07
Matsumoto	MTM	Nagano,Japan	36.2433N	137.9730E	610	
Matsumoto	MTMJ	Nagano,Japan	36.5850N	137.8050E	929	From 1978-01-01
Matsumotoyama	MATH	Iburi,Japan	42.5489N	140.8683E	120	
Matsu-Nakagumi	MJB4	Nagano,Japan	36.4677N	138.2816E	736	
Matsu-Nakaone	MJA2	Nagano,Japan	36.5241N	138.2656E	1126	
Matsushiro	MAJO	Nagano,Japan	36.5427N	138.2070E	405	From 1977-06-30
Matsushiro	MAT	Nagano,Japan	36.5427N	138.2070E	406	From 1947-05-01
Matsushiro Array Beam Reference Point	MJAR	Nagano,Japan	36.5417N	138.2090E	422	
Matsushiro Array Site 0	MAT0	Nagano,Japan	36.5417N	138.2067E	407	
Matsushiro Array Site 1	MJ01	Nagano,Japan	36.5599N	138.2419E	598	
Matsushiro Array Site 2	MJ02	Nagano,Japan	36.5393N	138.3193E	1230	
Matsushiro Array Site 4	MJ03	Nagano,Japan	36.4816N	138.2976E	837	
Matsushiro Array Site 4	MJ04	Nagano,Japan	36.4681N	138.2538E	760	
Matsushiro Array Site 5	MJ05	Nagano,Japan	36.4867N	138.2139E	960	
Matsushiro Array Site 6	MJ06	Nagano,Japan	36.5216N	138.2503E	616	
Matsu-Soehiyama	MJA3	Nagano,Japan	36.4956N	138.2467E	886	
Matsu-Sugadaira	MJB2	Nagano,Japan	36.5423N	138.3160E	1255	
Matsu-Takimoto	MJB1	Nagano,Japan	36.5630N	138.2387E	611	
Matsu-Toyosaka	MJA1	Nagano,Japan	36.5338N	138.2523E	630	
Matsu-Tunnel	MJB9	Nagano,Japan	36.5458N	138.2039E	454	
Matsu-Wadaira	MJB7	Nagano,Japan	36.4898N	138.2108E	997	
Matsuyama	MTY	Ehime,Japan	33.8400N	132.7800E	34	
Matsu-Yatsubo	MJB5	Nagano,Japan	36.4824N	138.2575E	803	
Mattawa	MW-	Ontario,Canada	46.2753N	78.5717W	244	From 1962-10-11 to 1962-10-27
Mattawa	MW-ON	Ontario,Canada	46.2753N	78.5717W	244	From 1962-10-11 to 1962-10-27
Matthews	MATM	Missouri,U.S.A.	36.7743N	89.6046W	86	
Mattmark	MMK	Switzerland	46.0505N	7.9640E	2210	From 1981-01-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Matua	MAU	Sakhalinskaya Oblast',Russia	48.0600N	153.2500E	20	
Matupit	MIP	New Britain,Papua New Guinea	4.2433S	152.1900E	2	
Matupit Island	MPT	New Britain,Papua New Guinea	4.2437S	152.1900E	2	
Matura	TTR	Trinidad and Tobago	10.6740N	61.0660W	46	From 1984-07-01
Maui	MAUI	Hawaii,U.S.A.	20.7684N	156.2448W	2060	
Maumere	MMRI	Flores,Indonesia	8.6357S	122.2376E	137	From 2006-11-01
Mauna Kea	MKH	Hawaii,U.S.A.	19.8267N	155.4720W		From 1975-01-01 to 1999-08-25
Mauna Loa	MLH	Hawaii,U.S.A.	19.4967N	155.3880W	2010	From 1958-07-01
Mauna Loa 2	MLX	Hawaii,U.S.A.	19.4600N	155.3450W	1475	From 1966-09-21
Mauna Loa Observatory	MLOA	Hawaii,U.S.A.	19.5360N	155.5760W	3399	
Maungaku	MGZ	North Island,New Zealand	39.0019S	175.5390E	806	From 1984-04-11
Maupin	VMNM	Oregon,U.S.A.	45.1868N	121.0530W	555	
Maura Aman, Bengkulu	MASI	Sumatera,Indonesia	3.1415S	102.2396E	384	From 2008-12-01
Maura Dua	MDSI	Sumatera,Indonesia	4.4861S	104.1783E	0	From 2007-12-01
Maurine	G26A	South Dakota,U.S.A.	45.2937N	102.5990W	833	From 2009-07-09
Mauritius Island	MRI	Mauritius	20.1000S	57.5300E		
Mauritius Meteorological Services (Vacoas)	MRIV	Mauritius	20.2980S	57.4970E	424	From 2007-01-15
Mavora Lakes	MLZ	South Island,New Zealand	45.3481S	168.1728E	640	From 1996-03-01
Mawashi	MWS	Ryukyu Islands,Japan	26.2333N	127.6830E	25	
Mawson	MAW	Mac Robertson Land	67.6039S	62.8706E	12	From 1956-01-01
Maxey Ranch	PMRM	California,U.S.A.	35.7848N	120.2360W	512	
Maximikha	MXMB	Buryatiya,Russia	53.2630N	108.7450E	510	From 1997-10-01
Mayacamas Mountains	GMMM	California,U.S.A.	38.8382N	122.7988W	963	
Mayadein	HMYD	Egypt	29.7958N	30.8009E	279	
Mayaguez	MPR	Puerto Rico	18.2117N	67.1398W	22	From 1973-01-01
Maychil	PT20	Peru	6.5190S	79.1860W	1180	
Mayfield	MAY	Washington,U.S.A.	46.0833N	122.0830W		
May Junction 2	MJ2	Washington,U.S.A.	46.5575N	119.3590W	146	From 1989-03-13
Maynard	MAYB	British Columbia,Canada	50.4025N	127.1720W	1414	From 1994-09-02
Mayon Resthouse	VMR	Luzon,Philippines	13.2800N	123.6710E	800	
Mayorazgo	MAYR	Peru	12.0550S	76.9440W	320	
Mayor Island	MYRZ	North Island,New Zealand	37.2819S	176.2407E	356	From 2004-05-21
Maysville	MVKY	Ohio,U.S.A.	38.6460N	83.7614W	213	
Mazaricos	EMAZ	Spain	42.9490N	8.9765W	405	
Mazatlaan	MAIG	Sinaloa,Mexico	23.1883N	106.4244W	10	
Mazatlan	MAZ	Sinaloa,Mexico	23.1881N	106.4061W	65	
Mazatlan	MZX	Sinaloa,Mexico	23.2008N	106.4253W	10	
Maze	MZE	Gifu,Japan	35.8911N	137.1553E	590	
Mazidag	MAZI	Turkey	37.4593N	40.4467E	1212	From 2009-06-29
Mazie Landing	MZO	Oklahoma,U.S.A.	36.1316N	95.3001W	182	From 1976-09-16 to 1978-06-16
Mazirat	MAF	Auvergne,France	46.2215N	2.5664E	470	From 1985-07-10
Mazirat	MZF	Auvergne,France	46.2156N	2.5839E	480	From 1971-01-01 to 1985-07-10
Mazon	MSON	Ecuador	1.4845S	78.4678W	3380	From 1992-12-10
Mazracia	MAZR	Egypt	27.9292N	33.9948E		
Mbarara	MBAR	Uganda	0.6019S	30.7382E	1390	
Mbeya	MBAT	,United Republic of Tanzania	8.8740S	33.4528E	1780	From 1992-06-12
M'Bour	MBO	Senegal	14.3908N	16.9547W	3	
MBSI	MBSI	Sumatera,Indonesia	3.7611S	102.2710E	27	From 2006-12-01
McAlpine Lake	MALO	Ontario,Canada	50.0244N	79.7635W	271	
McCarthy VSAT	MCARA	Alaska,U.S.A.	61.3841N	143.0219W	447	
McCloud	M03C	California,U.S.A.	41.2742N	122.1220W	1047	From 2005-07-12 to 2007-11-13
McCloud Flat S	MFSM	California,U.S.A.	36.1172N	117.8550W	1524	From 1975-09-25
McCloud Flat South	MFS	California,U.S.A.	36.1172N	117.8550W	1524	From 1975-09-25
McClure	MCIL	Illinois,U.S.A.	37.2965N	89.4984W	115	
McComb	MB-	Mississippi,U.S.A.	31.3428N	90.2864W	122	From 1966-11-15 to 1966-12-06
McComb	MB-MS	Mississippi,U.S.A.	31.3428N	90.2864W	122	From 1966-11-15 to 1966-12-06
McCrory	MY-	Arkansas,U.S.A.	35.3511N	91.0797W	61	From 1962-07-16 to 1962-08-03
McCrory	MY-AR	Arkansas,U.S.A.	35.3511N	91.0797W	61	From 1962-07-16 to 1962-08-03
McDonald Obs.	MOT2	Texas,U.S.A.	30.8990N	105.0800W	2088	
McDonald Obs.	MOT1	Texas,U.S.A.	30.9290N	104.3910W	1715	
McDonald Obs.	MOT3	Texas,U.S.A.	30.5419N	104.6580W	1481	
McDonald Obs.	MOT4	Texas,U.S.A.	30.2730N	104.5700W	1469	
McDonald Observatory	MOT	Texas,U.S.A.	30.6797N	104.0080W	2020	From 1975-08-01
McDonald Observatory, Fort Davis	426A	Texas,U.S.A.	30.6689N	104.0293W	1943	From 2008-03-12 to 2010-02-09
McDonald Ranch, Hollis	X31A	Oklahoma,U.S.A.	34.6309N	99.9793W	514	From 2009-03-19
McGee Creek	MGCB	British Columbia,Canada	48.6317N	123.6808W	236	
McGill	P12A	Nevada,U.S.A.	39.4731N	114.9075W	1878	From 2006-05-30 to 2008-09-02
McKendrick Lake	KLN	New Brunswick,Canada	46.8433N	66.3717W	411	
McKenzie Canyon	MCMT	Montana,U.S.A.	44.8277N	112.8490W	2323	From 1989-09-14
McKinley	MCK	Alaska,U.S.A.	63.7323N	148.9349W	618	From 1964-12-01
McKinney Farm, Littlefield	Y28A	Texas,U.S.A.	33.9086N	102.2479W	1068	From 2009-01-26
McLaughlin	F28A	South Dakota,U.S.A.	45.8485N	100.8005W	633	From 2009-08-21
McLaughlin Mine	HOME	California,U.S.A.	38.8800N	122.4600W	0	
McLaughlin Natural Reserve	MNRC	California,U.S.A.	38.8787N	122.4428W	709	
McLaughlin Ranch	GMCM	California,U.S.A.	38.7927N	123.1300W	439	From 1975-05-07
McManaman Lake, Nunavut	MCMN	Nunavut,Canada	63.3043N	92.2977W	46	From 2010-08-04
McMillan Canyon	PMCM	California,U.S.A.	35.7247N	120.3710W	488	
McMinnville	MM-TN	Tennessee,U.S.A.	35.5644N	85.5889W	381	From 1961-12-17 to 1963-04-01
McMinnville	MM-	Tennessee,U.S.A.	35.5644N	85.5889W	381	From 1961-12-17 to 1963-04-01
McMinnville, OR	G03D	Oregon	45.2115N	123.2641W	222	From 2009-10-24
McMurdo Sound	MCM	Victoria Land	77.8333S	166.6000E	25	
McNeil Island	MEW	Washington,U.S.A.	47.2019N	122.6460W	98	From 1985-03-01
McNeill Hill	MCHZ	North Island,New Zealand	39.4443S	176.6967E	349	From 2008-05-27
McNeil River	MCNL	Alaska,U.S.A.	59.1852N	154.3370W	442	From 1981-08-22
McNeil River	MCL	Alaska,U.S.A.	59.1027N	154.2000W	273	From 1975-01-01 to 1981-08-16
McPhails Peak	BMCM	California,U.S.A.	36.6567N	121.3650W	1022	From 1975-01-26
McQueen's Valley	MQZ	South Island,New Zealand	43.7078S	172.6520E	60	From 1990-03-01
McRoberts Ranch, Bridgeport	M26A	Nebraska,U.S.A.	41.4661N	103.1427W	1348	From 2008-12-06
Meade Ranch, Gillette	I23A	Wyoming,U.S.A.	43.9605N	105.4629W	1462	From 2008-10-16
Meadow Creek Golf Course	MGU	Utah,U.S.A.	40.6815N	111.9180W	1291	From 1993-06-24
Meangora	MEG	New South Wales,Australia	35.1006S	150.0370E	712	From 1978-05-17 to 2007-08-29
Meany Midle School ANSS-SMO	MEAN	Washington,U.S.A.	47.6225N	122.3064W	37	From 2002-02-19
Mecca Hills	MECC	California,U.S.A.	33.6353N	116.0280W	495	
Mechernich	MEC	Nordrhein-Westfalen,Germany	50.6000N	6.6667E		
Meda	MEDT	Tunisia	34.1082N	9.9203E	90	
Medan	MED	Sumatera,Indonesia	3.5500N	98.6833E	32	
Medea	MEB	Algeria	36.3030N	2.7300E	500	
Medea	AMDA	Algeria	36.2600N	2.7100E	1059	
Medellin	MEDC	Colombia	6.2028N	75.5808W	1518	
Medford	MF-	Wisconsin,U.S.A.	45.3475N	90.5897W	412	From 1962-12-22 to 1963-04-01
Medford	MF-WS	Wisconsin,U.S.A.	45.3475N	90.5897W	412	From 1962-12-22 to 1963-04-01
Medias	MDB	Romania	46.1417N	24.3806E	375	From 1979-01-01
Medicine Creek Dam	MKN	Nebraska,U.S.A.	40.3739N	100.2250W	732	From 1979-03-01 to 2001-07-15
Medicine Lake	LMDM	California,U.S.A.	41.5730N	121.6230W	2140	
Medina	MEDY	New York,U.S.A.	43.1818N	78.3903W	186	From 1978-12-01 to 2002-12-20
Medina	MEDO	New York,U.S.A.	43.1646N	78.4546W	190	From 2004-05-07
Medio Mundo	MMO	Nicaragua	11.8942N	86.0150W	480	From 1975-01-01
Meekatharra	MEK	Western Australia,Australia	26.6128S	118.5450E	515	
Meekatharra	MEEK	Western Australia,Australia	26.6376S	118.6135E	529	From 1992-06-03
Meekatharra	MEKA	Western Australia,Australia	26.6142S	118.5360E	390	From 1986-05-01 to 1991-06-16
Meers	MEO	Oklahoma,U.S.A.	34.7835N	98.5846W	465	From 1985-09-01
Meers Fault	MFO	Oklahoma,U.S.A.	34.8212N	98.5296W	451	From 1984-04-20 to 1985-05-31
Meerut	MEE	Uttar Pradesh,India	28.9167N	77.6667E	220	
Meeteetse	I19A	Wyoming,U.S.A.	44.0363N	108.9943W	1982	From 2008-08-12
Megha	MEGN	Nepal	28.7100N	82.3400E	2740	
Megler CREST BB SMO	MEGW	Washington,U.S.A.	46.2661N	123.8771W	351	From 2001-11-16
Megri	MGRZ	Armenia	38.9000N	46.2400E	0	
Mehetia	MEH	Society Islands,French Polynesia	17.8753S	148.0661W	300	
Mehriz	IMEH	Iran	31.3902N	54.6130E	2130	From 1998-10-01
Mei-Ami	MAMI	Israel	32.5000N	35.1500E	460	
Meikle Cairn	MME1	Scotland,United Kingdom	57.3149N	2.9647W	475	From 1981-01-01
Meishan	TWO1	Taiwan region	23.5705N	120.5946E	231	From 1976-08-20
Meishan	TWO	Taiwan region	23.5761N	120.5490E	180	From 1972-09-10
Meitler Ranch, Lucas	Q32A	Kansas,U.S.A.	38.9908N	98.5596W	526	From 2009-10-20
Mejillones	MECH	Antofagasta,Chile	23.1038S	70.4483W	18	From 2007-11-16
Melanico ??? S. Croce di Magliano	MELA	Italy	41.7059N	15.1270E	115	From 2008-04-23
Melbourne	MEL	Victoria,Australia	37.8314S	144.9733E	28	From 1902-01-01
Meldola (FC)	AD01	Italy	44.0583N	12.0975E	284	From 2010-03-31
Melhnausar	IMEL	Iceland	65.5700N	16.6573W	370	From 2009-09-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Melilla	EMEL	Spain	35.3000N	2.9567W	85	From 1988-02-01 to 1999-01-31
Melilla	MELI	Spain	35.2938N	2.9350W	5	
Melilla	EMLI	Morocco	35.3000N	2.9500W	0	From 2002-06-21
Melilli	MEI	Sicily,Italy	37.1806N	15.1300E		
Melles	MELF	Midi-Pyrenees,France	42.8727N	0.7592E	940	From 1997-10-08
Mels	MELS	Switzerland	47.0484N	9.3826E	1060	
Mely	MLYF	Provence-Cote d'Azur,France	43.9880N	5.7670E	765	From 2010-07-13
Membach	MEM	Belgium	50.6092N	6.0066E	250	
Memphis	MPH	Tennessee,U.S.A.	35.1230N	89.9320W	94	From 1978-09-21 to 1983-01-10
Memphis--Engineering Building	MET	Tennessee,U.S.A.	35.1220N	89.9340W	93	From 1973-11-13
Menan Buttes	MBI	Idaho,U.S.A.	43.7864N	111.9710W	1707	From 1973-09-01 to 1974-07-31
Menard	432A	Texas,U.S.A.	30.8755N	99.7937W	647	From 2009-02-17
Mencas	MENF	Picardie,France	50.5582N	2.1550E	100	
Mendi	MNDI	Papua New Guinea	6.1550S	143.6580E	1800	From 1985-08-28
Mendips	SMD	England,United Kingdom	51.3083N	2.7170W	310	
Mendoza	MEN	Mendoza,Argentina	32.9050S	68.8642W	287	
Mendoza	MDZ	Mendoza,Argentina	32.8833S	68.8500W	826	From 1968-03-07
Mendum Tagoi	MENI	Irian Jaya,Indonesia	2.5103S	140.4170E	300	
Menerdue Farm	CME	England,United Kingdom	50.1760N	5.1903W	178	From 1982-01-01 to 1994-05-31
Mengen	MGN	Turkey	40.9248N	32.1812E	720	From 1970-08-01 to 1982-07-10
Menlo Park	LT7	California,U.S.A.	37.4502N	122.1830W	21	From 1967-09-22 to 1976-09-11
Menlo Park	JMPM	California,U.S.A.	37.4556N	122.1660W	17	
Menlo Park	MOB	California,U.S.A.	37.4502N	122.1830W	21	From 1967-09-22 to 1976-09-11
Mentasta	MENT	Alaska,U.S.A.	62.9381N	143.7194W	702	
Menton	MENA	Provence-Cote d'Azur	43.7840N	7.4890E	210	From 1999-02-09
Mentor	CMEN	Ohio,U.S.A.	41.6840N	81.4040W	188	
Menzel Bouzelfa	MBZ	Tunisia	36.6800N	10.6700E	220	
Meolans	OG27	Rhone-Alpes,France	44.3932N	6.5085E	1393	From 1991-04-17
Mera	TMS	Chiba,Japan	34.9200N	139.8280E	13	
Merapi	MRP	Jawa,Indonesia	7.4000S	110.2670E		
Merate	MERA	Italy	45.6725N	9.4182E	350	From 2005-10-25
Merauke	MMPI	Irian Jaya,Indonesia	8.4667S	140.3833E	8	
Merced	S05C	California,U.S.A.	37.3460N	120.3296W	85	From 2005-04-18 to 2007-12-08
Mercer	MCR	Alaska,U.S.A.	63.8952N	149.0590W	456	From 1971-09-01 to 1975-07-31
Mercury	MCN	Nevada,U.S.A.	36.9315N	116.0560W		
Mercury	MCY	Nevada,U.S.A.	36.6620N	115.9621W	1308	From 1980-03-07 to 2002-10-10
Mercury	MCV	Nevada,U.S.A.	36.6335N	116.0000W	1158	From 1971-01-01 to 1979-08-31
Mercy Hot Springs	BMSM	California,U.S.A.	36.6580N	120.7940W	769	From 1973-12-06
Merida	MER	Yucatan,Mexico	20.9475N	89.6164W	7	
Meridian	MRO	Oklahoma,U.S.A.	35.8356N	97.2265W	294	From 1978-03-16 to 1982-09-04
Meriville Lake	BMRO	Ontario,Canada	44.5952N	81.2174W	178	From 2007-08-02
Merkhyat	MRKH	Sudan	15.7010N	32.3670E	446	From 2003-11-01
Merouana	CMER	Algeria	35.6200N	5.9000E	1020	
Merrill Creek	FHMC	New Jersey,U.S.A.	40.7510N	75.0400W	256	
Merrill Creek	ABMC	New Jersey,U.S.A.	40.6860N	75.0540W	170	
Merrill Creek	PMMC	New Jersey,U.S.A.	40.6410N	75.1230W	152	
Merrill Creek	HRMC	New Jersey,U.S.A.	40.7230N	75.0890W	295	
Merrill Creek	EPMC	New Jersey,U.S.A.	40.6580N	75.1900W	140	
Merrill Creek	PEMC	New Jersey,U.S.A.	40.7580N	75.0760W	305	
Merrill Creek	PDMC	New Jersey,U.S.A.	40.7560N	75.1170W	232	
Merrill Creek	PFMC	New Jersey,U.S.A.	40.7250N	75.1550W	220	
Merritt	ME-BC	British Columbia,Canada	50.1058N	120.6656W	1067	From 1962-07-07 to 1962-07-17
Merritt	ME-	British Columbia,Canada	50.1058N	120.6656W	1067	From 1962-07-07 to 1962-07-17
Mersa Alam	EMRS	Egypt	25.0131N	34.8387E	197	From 2003-06-20
Mersin	KIZK	Turkey	36.4803N	34.1437E	165	From 2009-06-10
Mersin	MERS	Turkey	36.8677N	34.5222E	802	From 2005-08-23
Mertzon	330A	Texas,U.S.A.	31.4063N	101.1752W	742	From 2009-03-04
Meru	MERK	Kenya	0.1925S	37.8095E	920	From 1997-12-01
Merzbaher-Enilchek	MRZ1	Kyrgyzstan	42.2246N	79.8597E	3354	From 2011-08-01
MESA	MESA	Alaska,U.S.A.	60.1790N	141.9485W	1919	
Mesa Falls	YPMF	Idaho,U.S.A.	44.1432N	111.2882W	1786	
Mesagne	MESG	Italy	40.5890N	17.8500E	78	From 2009-05-26
Mesa Lucero	MLM	New Mexico,U.S.A.	34.8144N	107.1450W	2088	From 1976-01-01
Mesa, Roswell	Y25A	New Mexico,U.S.A.	33.9229N	104.6928W	1364	From 2008-04-16
Mesas	MESS	Costa Rica	10.7407N	85.1943W	677	From 2000-01-01
Mesa State College	MSCO	Colorado,U.S.A.	39.0794N	108.5546W	1387	
Mesa Verde	MVCO	Colorado,U.S.A.	37.2103N	108.4986W	2169	
Mesquite Ranch, Deming	221A	New Mexico,U.S.A.	32.0094N	107.7782W	1277	From 2008-02-11 to 2010-01-18
Messejana	MESJ	Portugal	37.8400N	8.2200W	147	From 2007-07-04
Messina	MSNA	South Africa	22.3452S	30.0232E	600	
Messina ING	MSI	Sicily,Italy	38.2052N	15.5539E	55	From 1967-07-01
Messina Univ.	MES1	Sicily,Italy	38.1989N	15.5550E	45	
Messina University	MES	Sicily,Italy	38.1989N	15.5550E	45	
Messtetten	MSS	Baden-Wurttemberg,Germany	48.1783N	8.9615E	948	From 1933-01-01
Mesters Vig	MVG	Norway	72.2300N	23.9400E	0	From 2010-09-09
Mestia	MTIG	Georgia	43.0417N	42.7723E	1395	From 1973-01-01
Met	MTZV	Vietnam	21.5480N	106.3420E	50	From 2002-01-01
Metahra	OMET	Algeria	35.3300N	0.7300W	400	From 2004-12-01
Meteti	UPD2	Panama	8.5475N	78.0148W	86	From 2010-06-01
Metsahovi	MEF	Finland	60.2172N	24.3958E	55	
Metsamor	METS	Armenia	40.1500N	44.0800E	850	
Metsovon	MEV	Greece	39.7850N	21.2289E	1500	
Mettingen	NE34	Nordrhein-Westfalen,Germany	52.3110N	7.7710E	122	
Metzger Ranch, Havre	A18A	Montana,U.S.A.	48.9198N	109.8459W	804	From 2007-11-20 to 2009-09-03
Meulaboh, Aceh	MLSI	Sumatera	4.2668N	96.4040E	58	
Mexicali	MBIG	Baja California,Mexico	32.4072N	115.1981W	2	From 2008-03-01
Mexican Hat	T18A	Utah,U.S.A.	37.1364N	109.8741W	1297	From 2007-06-23 to 2009-03-05
Mexico City	MEX	Mexico D.F.,Mexico	19.3289N	99.1861W	2280	From 1978-06-01
Meyer Farm, Musselshell	E20A	Montana,U.S.A.	46.5038N	108.1301W	954	From 2008-08-09
Meyer Ranch, Chandler	V35A	Oklahoma,U.S.A.	35.7626N	96.8378W	280	From 2010-03-13
Mezcala	MEIG	Guerrero,Mexico	17.9258N	99.6197W	808	From 2005-03-09
Mezhgor'ye	MEZ	Ukraine	48.5140N	23.5140E	440	
Mezontepec	IIZ	Mexico:State,Mexico	19.1875N	99.2413W	3430	
MHIT	MHIT	Flores,Indonesia	8.4500S	119.8900E	123	From 2008-01-01
Miami	IMYA	Iran	36.3416N	60.1017E	1684	From 1999-07-01
Miami	MIA	Florida,U.S.A.	25.9167N	80.3000W		From 1945-01-01 to 1956-12-31
Mianeh	MISD	Iran	37.3500N	47.6000E	0	
Miaoli City	NML	Taiwan region	24.5650N	120.8260E	45	From 1999-08-04
Mica Creek	MCE	British Columbia,Canada	52.0033N	118.5620W	625	From 1977-06-04 to 1981-08-12
Mica Creek	MCC	British Columbia,Canada	52.0517N	118.5850W	578	
Michaelchurch	MCH1	Wales,United Kingdom	51.9974N	2.9983W	219	From 1978-01-01
Michelle Canyon Maxwell	MCMB1	British Columbia,Canada	52.8217N	123.8190W	1233	From 2007-11-22 to 2008-06-14
Michilla	MIC	Antofagasta,Chile	22.7064S	70.2669W	100	
Michnevo	MHV	Moskovskaya Oblast',Russia	54.9595N	37.7664E	150	From 1995-05-01
Michoacan	ZEM	Michoacan,Mexico	18.7926N	102.1116W	200	
Michoacan	BVTM	Michoacan,Mexico	18.8933N	102.2650W		
Michoacan	CBZM	Michoacan,Mexico	18.0150N	102.4050W		
Micigliano	RM22	Italy	42.4445N	13.0488E	970	From 2009-04-10 to 2009-06-18
Middleburg	MR-	Pennsylvania,U.S.A.	40.8147N	77.1756W	213	From 1962-10-11 to 1962-10-27
Middleburg	MR-PA	Pennsylvania,U.S.A.	40.8147N	77.1756W	213	From 1962-10-11 to 1962-10-27
Middlebury	MDV	Vermont,U.S.A.	43.9992N	73.1812W	134	From 1970-03-01
Middle Cape	MMC	Alaska,U.S.A.	57.3333N	154.6350W	340	From 1971-08-01
Middle Mountain	MMNB	California,U.S.A.	35.9565N	120.4960W	385	
Middlesmoor	MMY	England,United Kingdom	54.1758N	1.8689W	427	
Middleton Gardens	MGS	South Carolina,U.S.A.	32.8978N	80.1410W	9	From 1976-03-31
Middleton Island	MID	Alaska,U.S.A.	59.4278N	146.3390W	37	From 1964-04-10
Middletown	NMTM	California,U.S.A.	38.8057N	122.4460W	422	From 1975-06-26
Midelt	MDT	Morocco	32.8169N	4.6139W	1200	
Midland	I28A	South Dakota,U.S.A.	43.9996N	101.1692W	655	From 2009-06-13
Mid-South CC	MCAR	Arkansas,U.S.A.	35.1449N	90.2225W	0	
Midway	MDY	Midway Islands,U.S.A.	28.2067N	177.3330W		From 1966-01-01 to 1970-12-31
Midway	MIDW	Midway Islands,U.S.A.	28.2157N	177.3697W	-75	
Midway	MDW	Washington,U.S.A.	46.6132N	119.7610W	330	From 1969-03-01
Midwest	J22A	Wyoming,U.S.A.	43.4126N	106.4785W	1587	From 2008-08-06
Midwestern State University	MSUEL	Texas,U.S.A.	33.8735N	98.5195W	294	From 2004-02-07
Miekihoku	JKN2	Mie,Japan	34.2390N	136.2737E	80	From 2005-03-23
Miglionico	MIGL	Italy	40.6044N	16.4410E	440	From 2006-08-07
MIHALICIK	AUMIH	Turkey	39.8679N	31.4832E	1416	From 2010-02-05
Mihama	JFM	Kyoto,Japan	35.5283N	135.9833E	161	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mihama	MHJ	Fukui,Japan	35.5306N	135.9789E	260	
Mijas	EMIJ	Spain	36.5645N	4.7727W	470	
Mikata	JMT	Hyogo,Japan	35.4433N	134.5350E	270	
Mikawa	MIKN	Aichi,Japan	34.7626N	137.4701E	76	
Mikawa	MKW	Hiroshima,Japan	34.6111N	133.1070E	320	From 1967-09-01
Mikazuki	MZT	Hyogo,Japan	34.9867N	134.4446E	200	
Mikes Peak	CMPM	California,U.S.A.	37.3577N	121.3183W	760	
Miki	JMIK	Hyogo,Japan	34.8070N	135.0538E	160	
Mila	MILA	New South Wales,Australia	37.0547S	149.1550E	785	From 2001-07-16
Milagra Ridge	JMGM	California,U.S.A.	37.6370N	122.4740W	201	From 1971-08-31
Milagra Ridge	MGA	California,U.S.A.	37.6370N	122.4740W	201	From 1971-08-31
Milan	V21A	New Mexico,U.S.A.	35.8054N	107.6378W	2046	From 2008-02-18 to 2010-02-07
Milan	MILT	Tennessee,U.S.A.	35.8489N	88.7329W	146	From 1985-11-01
Milan	MIL	Italy	45.4667N	9.1833E	124	
Milano	MILN	Italy	45.4803N	9.2321E	125	From 2006-06-01
Milas	MLSB	Turkey	37.2953N	27.7765E	500	From 2003-09-16
Milazzo	MILZ	Sicily,Italy	38.2713N	15.2313E	0	From 1995-01-01
Mildenfurth	MLFH	Germany	50.7901N	12.0809E	212	From 2010-09-16
Mile High Drive	MHD	Utah,U.S.A.	40.6607N	111.8010W	1597	From 1990-10-04
Miles City	E22A	Montana,U.S.A.	46.4386N	105.9488W	784	From 2008-10-30
Milestii Mici	MILM	Moldova	46.9186N	28.8127E	64	From 2009-12-22
Mileto	MLE	Italy	38.6000N	16.0500E	360	
Milford	MLF	Ohio,U.S.A.	39.1374N	84.2774W	238	From 1963-01-01
Milford North	MNU	Utah,U.S.A.	38.6197N	112.8470W	1664	From 1977-01-01
Milford Reservoir	MLK	Kansas,U.S.A.	39.1073N	96.8933W	386	From 1977-08-15
Milford Sound	MSZ	South Island,New Zealand	44.6733S	167.9280E	90	From 1966-03-01
Milimani	MILK	Kenya	0.1140S	34.7510E	1142	From 1997-02-01 to 1998-03-31
Military Pass	LMPM	California,U.S.A.	41.4883N	122.1620W	1865	
Mill City	MILG	California,U.S.A.	37.6213N	118.9870W	2536	From 1981-07-01
Mill Creek	MLL	California,U.S.A.	34.0913N	116.9360W	1513	
Millendorf	BD03	Nordrhein-Westfalen,Germany	50.9917N	6.5570E	70	From 2001-01-01
Miller	BRSD	South Dakota,U.S.A.	44.4430N	98.9563W	519	From 2008-10-05 to 2010-06-29
Miller Ranch	MT3	Texas,U.S.A.	30.5419N	104.6570W	1481	From 1977-06-01 to 2003-01-28
Miller Ranch, Amidon	E25A	North Dakota,U.S.A.	46.5009N	103.4013W	885	From 2009-06-11
Millersview	332A	Texas,U.S.A.	31.3829N	99.7423W	513	From 2009-03-06
Millersville	MVL	Pennsylvania,U.S.A.	39.9992N	76.3506W	91	
Millerton Lake Dam, Friant	T06C	California,U.S.A.	37.0069N	119.7089W	216	From 2004-12-06 to 2007-12-06
Millington	MLNT	Tennessee,U.S.A.	35.3340N	89.9300W	100	
Millom	LMI	England,United Kingdom	54.2206N	3.3070W	140	From 1989-01-01
Mills College	CMCM	California,U.S.A.	37.7813N	122.1760W	90	From 1971-07-20
Millsfield	MFTN	Tennessee,U.S.A.	36.1610N	89.3930W	113	
Milo	MIM	Maine,U.S.A.	45.2436N	69.0403W	140	From 1975-07-01 to 2004-10-14
Milos	MHL	Greece	36.6828N	24.3958E	400	
Milton-Freewater	MFW	Oregon,U.S.A.	45.9030N	118.4060W	384	From 1971-10-01
Milwaukee	MLW	Wisconsin,U.S.A.	43.0333N	87.9167W	194	From 1909-01-01 to 1957-12-31
Min@16e Min@16e	MNMC	Tarapaca,Chile	19.1308S	69.5953W	2304	
Mina	MN-	Nevada,U.S.A.	38.4361N	118.1481W	1524	
Mina	MINR	Krasnoyarskiy Kray,Russia	54.9000N	94.2000E	510	
Mina	MNA	Nevada,U.S.A.	38.4328N	118.1570W	1525	
Mina	MN-NV	Nevada,U.S.A.	38.4361N	118.1481W	1524	
Mina	R08A	Nevada,U.S.A.	38.3489N	118.1064W	1419	From 2006-03-03 to 2008-03-24
Mina	MNV	Nevada,U.S.A.	38.4322N	118.1540W	1507	From 1970-05-26
Mina Array Beam Reference Point	NVAR	Nevada,U.S.A.	38.4296N	118.3036W	2041	
Mina Array Site 1	NV01	Nevada,U.S.A.	38.4296N	118.3035W	2029	
Mina Array Site 10	NV10	Nevada,U.S.A.	38.4488N	118.3194W	2133	
Mina Array Site 2	NV02	Nevada,U.S.A.	38.4374N	118.3049W	2094	
Mina Array Site 3	NV03	Nevada,U.S.A.	38.4279N	118.2937W	1978	
Mina Array Site 32	NV32	Nevada,U.S.A.	38.3342N	118.3003W	1836	
Mina Array Site 33	NV33	Nevada,U.S.A.	38.4858N	118.4238W	1946	
Mina Array Site 4	NV04	Nevada,U.S.A.	38.4232N	118.3068W	1984	
Mina Array Site 5	NV05	Nevada,U.S.A.	38.4464N	118.2913W	2186	
Mina Array Site 6	NV06	Nevada,U.S.A.	38.4224N	118.2744W	1936	
Mina Array Site 7	NV07	Nevada,U.S.A.	38.4105N	118.2949W	1849	
Mina Array Site 8	NV08	Nevada,U.S.A.	38.4041N	118.3184W	1798	
Mina Array Site 9	NV09	Nevada,U.S.A.	38.4354N	118.3352W	1918	
Mina Array Sites 11 and 31	NV11	Nevada,U.S.A.	38.4320N	118.1554W	1509	
Minabe	JWM	Wakayama,Japan	33.8492N	135.3547E	170	
Mina Concepcion	EMIN	Spain	37.7675N	6.6724W	240	
Minamiashigara	ASG	Kanagawa,Japan	35.3138N	139.0279E	386	
Minamidaito 2	JMZ	Ryukyu Islands,Japan	25.8190N	131.2207E	50	
Minamidaito jima	MVI	Ryukyu Islands,Japan	25.8283N	131.2350E	14	From 1974-02-01
Minami-Gairin	SRMH	Iburi,Japan	42.5312N	140.8330E	476	
Minamiizu	MIZN	Shizuoka,Japan	34.6889N	138.8424E	105	
Minami-tori-shima	MCSJ	Marcus Island,Japan	24.2900N	153.9780E	10	
Mineo	MNE	Sicily,Italy	37.2500N	14.7333E	510	
Mineo	HMNO	Sicily,Italy	37.3180N	14.6000E	530	From 1994-05-01
Mineoka	MNJ	Chiba,Japan	35.1019N	139.9908E	100	
Minera del Fierro	MFCH	Maule,Chile	35.0244S	70.4411W	1920	
Mineral	MIN	California,U.S.A.	40.3460N	121.6066W	1470	From 1938-01-01 to 2000-06-29
Minerbio Fiu	FIU	Italy	44.6395N	11.4917E	12	
Minerbio--Passere	PASE	Italy	44.6062N	11.4567E	12	
Minerbio--Torre	TORE	Italy	44.6072N	11.5255E	16	
Miners Draw (BLM), Jensen	O19A	Utah,U.S.A.	40.2982N	109.1236W	1649	From 2007-08-20
Miners Mountain	MMU	Utah,U.S.A.	38.1985N	111.2940W	2387	From 1980-10-01
Minervino Murge	MRVN	Italy	41.0609N	16.1958E	610	From 2007-04-24
Mines Road	CL2	California,U.S.A.	37.6275N	121.7080W	245	From 1979-11-29
Mines Road	MNR	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mines Road	CMNM	California,U.S.A.	37.6275N	121.7080W	245	From 1979-11-29
Mines Road	CB9	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mines Road	CMRM	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mineville/Witherbee	MIV	New York,U.S.A.	44.0747N	73.5340W	317	From 1985-06-01
Mingacevir	MGC	Azerbaijan	40.7700N	47.0600E	30	From 1968-01-01
Mingechevir, Azerbaijan	MNGR	Azerbaijan	40.7730N	47.0850E	100	From 2010-01-14
Mingjian	WNT	Taiwan region	23.8780N	120.6840E	110	
Minicoy	MNCI	Laccadive Islands,India	8.3000N	73.1333E		
Minicoy	MNCY	Laccadive Islands,India	8.2667N	73.0333E	0	
Minitrack	MIK	Alaska,U.S.A.	64.8723N	147.8280W	160	From 1970-05-01 to 1975-03-31
Mink Peak	MKMT	Montana,U.S.A.	47.1032N	115.1138W	2088	
Minneapolis	MFM	Minnesota,U.S.A.	44.9141N	93.1930W	226	
Minneapolis	MNM	Minnesota,U.S.A.	44.9740N	93.2381W	204	From 1974-12-01 to 1976-12-31
Minneapolis	MNN	Minnesota,U.S.A.	44.9144N	93.1900W	217	From 1964-01-01 to 1967-12-31
Minoodasht	IMND	Iran	37.2575N	55.4069E	180	From 1991-08-01
Minoodasht	IMIN	Iran	37.1422N	55.2336E	180	From 2000-08-01
Minshiung	CHN2	Taiwan region	23.5320N	120.4750E	45	
Minsk	MNK	Belarus	54.5000N	27.8333E	198	
Minsk	MICGM	Belarus	54.5000N	27.8800E	196	From 1963-01-03
Miomork	IMID	Iceland	63.6580N	19.8860W	132	From 1989-12-21
Miracle	EMIR	Spain	41.9144N	1.5258E	841	
Miradouro	MIRA	Azores,Portugal	37.7855N	25.2787W	702	From 1999-04-27
Miraflores	MRF	Peru	12.1316S	77.0249W		
Miramar	MIRN	Nicaragua	12.4400N	86.7117W	280	
Miramichi	MINB	New Brunswick,Canada	46.9700N	66.5300W	0	From 1982-06-01
Miranda	MIDA	Italy	41.6419N	14.2540E	950	From 2004-07-07
Mirandola	SGIA	Italy	44.8592N	11.0358E	20	
Mirnyy	MIR	Queen Mary Land	66.5514S	93.0167E	34	
Mirrayikh	MYKS	Saudi Arabia	21.5545N	39.3323E		
Mirror Lake Plateau	YMP	Wyoming,U.S.A.	44.7402N	110.1560W	2774	
MIRYANG	KSMIY	South Korea	35.4864N	128.7412E	13	From 2000-03-04
Misaki	MSK	Kanagawa,Japan	35.1500N	139.6170E		
Misakubo	MSKJ	Shizuoka,Japan	35.1934N	137.9390E	754	From 1979-04-01
Misere	A54	Quebec,Canada	47.4567N	70.4125W	381	From 1977-08-30
Misericordia	VMS	Luzon,Philippines	13.2500N	123.7550E		
Mishima	MIS	Shizuoka,Japan	35.1117N	138.9300E	22	
Mishlifen	MIF	Morocco	33.4090N	5.2290W	2070	
Misoa	MISV	Venezuela	9.9730N	70.9256W	768	
Misono	MSN	Hidaka,Japan	42.4232N	142.5414E	100	From 1976-07-01
Misrath	LMSR	Libya	32.3125N	15.0083E	114	
Mission Creek	MSMT	Montana,U.S.A.	45.6305N	110.3537W	1926	
Mission Ridge	H28A	South Dakota,U.S.A.	44.6751N	101.0206W	642	From 2009-06-12

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mission San Jose	MSJ	California,U.S.A.	37.5202N	121.8733W	479	From 1972-07-01
Mission San Jose	CMJM	California,U.S.A.	37.5202N	121.8733W	479	From 1972-07-01
Missoula	MSO	Montana,U.S.A.	46.8292N	113.9410W	1264	From 1973-11-01
Miston	MIST	Tennessee,U.S.A.	36.1707N	89.5023W	80	
Mistretta	ME01	Italy	37.9329N	14.3611E	944	From 2007-10-18 to 2009-02-03
Mitaka	MTK	Tokyo,Japan	35.6667N	139.5000E	57	
Mitchell	MC-SD	South Dakota,U.S.A.	43.6544N	97.9194W	366	From 1962-05-09 to 1962-06-28
Mitchell	MH-	Nebraska,U.S.A.	41.8889N	103.8917W	1311	From 1962-10-15 to 1962-10-27
Mitchell	MH-NB	Nebraska,U.S.A.	41.8889N	103.8917W	1311	From 1962-10-15 to 1962-10-27
Mitchell	MC-	South Dakota,U.S.A.	43.6544N	97.9194W	366	From 1962-05-09 to 1962-06-28
Mitchell Field	MFA	Alaska,U.S.A.	51.9350N	176.5920W		From 1949-07-01 to 1952-12-31
Mitchell Peak	HELL	California,U.S.A.	36.6801N	119.0228W	1140	From 2005-02-11 to 2007-10-14
Mito	MIT	Ibaraki,Japan	36.3783N	140.4720E	29	
Mitogawa	MTGE	Wakayama,Japan	33.5539N	135.6874E	60	
Mitoyo	MITH	Iburi,Japan	42.5728N	140.7804E	325	
Mitsuishi	MUJ	Hidaka,Japan	42.2831N	142.5856E	60	
Mitsune	JHJ2	Bonin Islands,Japan	33.1117N	139.8167E	70	
Mitta Mitta	MITM	Victoria,Australia	36.7317S	147.6587E	470	
Mi Wuk Village	MMWM	California,U.S.A.	38.0638N	120.1810W	1411	From 1976-07-12
Mix Canyon Road	MIX	California,U.S.A.	38.4113N	122.0570W	177	From 1971-06-12
Mix Canyon Road	NMXM	California,U.S.A.	38.4113N	122.0570W	177	From 1971-06-12
Miyake jima	MKJ	Bonin Islands,Japan	36.1100N	139.5283E	170	From 1972-02-01
Miyakejima3	JMY	Bonin Islands,Japan	34.0715N	139.5127E	470	
Miyako	MKO	Iwate,Japan	39.5900N	141.9820E	125	From 1968-09-01
Miyako	MIY	Iwate,Japan	39.6450N	141.9680E	46	
Miyako jima 2	JMJ	Ryukyu Islands,Japan	24.8147N	125.2935E	43	
Miyakonagasawa	MIYJ	Iwate,Japan	39.5767N	141.8197E	200	From 1990-04-23
Miyako zima	MYK	Ryukyu Islands,Japan	24.7917N	125.2783E	41	
Miyama	JGM	Gifu,Japan	35.6993N	136.7182E	495	
Miyazaki	MYZ	Miyazaki,Japan	31.9200N	131.4233E	7	
Miyazaki 2	MYZ2	Miyazaki,Japan	31.8967N	131.4120E	12	
Miyazu	MYD	Kyoto,Japan	35.5333N	135.2000E		
Mizel	MZLS	Saudi Arabia	24.0275N	45.2071E	880	
Mizumiiro	MZI	Shizuoka,Japan	35.0440N	138.2936E	400	
Mizusawa	MIZ	Iwate,Japan	39.1343N	141.1360E	63	From 1902-01-01
Mizusawa	MIW	Iwate,Japan	39.1343N	141.1360E	63	From 1902-01-01
M & M Farms, Shelby	B16A	Montana,U.S.A.	48.4128N	111.7073W	1038	From 2007-09-26 to 2009-08-12
Moa	MOAC	Cuba	20.6600N	74.9600W		
Moab	MBUT	Utah,U.S.A.	38.5334N	109.5099W	1376	From 2006-07-27
Moab Khotsong	MOAB	Transvaal,South Africa	26.9870S	26.7990E	1370	From 2008-05-13
Moapa	T12A	Nevada,U.S.A.	36.7256N	114.7147W	538	From 2007-01-24 to 2008-10-11
Moar Alm	RMOA	Bayern,Germany	47.7617N	12.8645E	815	From 2001-08-24
Moawhango	MOVZ	North Island,New Zealand	39.4083S	175.7525E	850	From 2004-06-01
Moca	MCAB	Puerto Rico	18.4100N	67.0800W	303	
Moca	MOCA	Puerto Rico	18.4143N	67.0775W		
Moca	SRO2	Slovakia	47.7627N	18.3940E	109	From 2004-09-25
Moca	MCP	Puerto Rico	18.4190N	67.1107W	250	From 1975-11-14 to 1999-08-25
Moca	MFP	Fernando Poo,Equatorial Guinea	3.3418N	8.6609E	1338	From 1963-10-01
Moc Chau	MCVV	Vietnam	20.8000N	104.6500E	800	From 2005-03-15
Mochara	MOCB	Bolivia	21.2505S	65.6380W	3580	From 1993-06-01
Mocoron	MOCN	Nicaragua	12.7817N	87.0400W		
Model	MOTN	Tennessee,U.S.A.	36.6180N	87.9867W	177	
Modelwitz	MODW	Thuringen,Germany	50.9426N	12.4682E	240	From 2009-09-01
Modena	MODE	Italy	44.6297N	10.9492E	41	From 2007-10-18
Modica	HMDC	Sicily,Italy	36.9580N	14.7820E	540	From 1994-05-01
Modoc	MOD	Oregon,U.S.A.	41.9024N	120.3029W	1554	
Modra-Piesok	MODS	Slovakia	48.3736N	17.2774E	520	
Moessingen	MSG	Baden-Wurttemberg,Germany	48.3992N	9.0353E	475	From 1971-01-01
Moffat	R23A	Colorado,U.S.A.	38.1907N	105.8264W	2547	From 2008-11-05
Moffit Pass	N17A	Utah,U.S.A.	40.9425N	110.8335W	2500	From 2007-07-11 to 2009-04-22
Moffitt Ranch	GMOM	California,U.S.A.	38.7102N	123.1430W	802	From 1975-05-07
Mogadiscio	MOG	Somalia	2.0333N	45.3500E		
Moghan	IMOG	Iran	36.1082N	59.3393E	2577	From 1999-07-01
Moghavemat	SMGT	Iran	30.7811N	48.2626E	4	From 2010-08-11
MOGNA	AMOG	San Juan	30.9389S	68.4931W	895	From 1996-09-25
Mogollon	ML-	New Mexico,U.S.A.	33.4147N	108.8364W	1646	From 1961-12-15 to 1962-02-16
Mogollon	ML-NM	New Mexico,U.S.A.	33.4147N	108.8364W	1646	From 1961-12-15 to 1962-02-16
Mogosoaia	PMGR	Romania	44.5275N	25.9939E	141	From 2006-11-23
Mogosoaia	MOGR	Romania	44.5649N	25.9417E	144	From 2003-10-26
Mogote Corralitos	AMLC	San Juan,Argentina	31.3089S	67.9250W	3241	
Mohaka	MOH	North Island,New Zealand	39.1325S	177.1478E	245	From 1987-03-19 to 1999-08-25
Mohawk Valley, Roll	113A	Arizona,U.S.A.	32.7683N	113.7667W	118	From 2007-05-08 to 2010-05-28
Mohican School	MOSO	Ohio,U.S.A.	40.6115N	82.3827W	370	
Mohonk Preserve	NPNY	New York,U.S.A.	41.7546N	74.1435W	216	From 2007-09-07
Moikau	MOW	North Island,New Zealand	41.4217S	175.2520E	430	
Moikau Station	MSWZ	North Island,New Zealand	41.4158S	175.2495E	410	From 2003-08-28
Moi Rana	MOR4	Norway	66.2367N	14.7668E		From 1989-01-01 to 1989-12-12
Moi Rana	MOR5	Norway	66.2377N	14.7664E		
Moi Rana	MOR8	Norway	66.1713N	14.4411E	445	From 1993-08-01
Moi Rana	MOR1	Norway	66.2374N	14.7721E	650	From 1989-01-01 to 1989-12-12
Moi Rana	MOR6	Norway	66.2370N	14.7670E	650	From 1986-02-01 to 1989-12-12
Moi Rana	MOR3	Norway	66.2357N	14.7724E		
Moi Rana	MOR2	Norway	66.2366N	14.7741E		From 1989-01-01 to 1989-12-12
Moi Rana	MOR7	Norway	66.2850N	14.7350E	435	From 1990-05-23 to 1993-08-31
Mojave River Dam	MRD	California,U.S.A.	34.6757N	117.2410W	969	
Mokapu	MOK	Hawaii,U.S.A.	21.4565N	157.7370W	90	From 1965-04-01 to 1999-08-25
MOKOCHONG	MOKO	Nagaland	26.3210N	94.5156E	1353	From 2011-05-01
Mokollar	IMKO	Iceland	64.9778N	16.3391W	660	From 2005-11-01
Mokpo	KSMOP	South Korea	34.8083N	126.3766E	37	From 2000-02-11
Mokpo	KSMOK	South Korea	34.7656N	126.7378E	140	From 2008-01-01
Mokuaweoweo	MWH	Hawaii,U.S.A.	19.4880N	155.6000W	1251	
Mol	BMOL	Belgium	51.2144N	5.0861E	-198	From 2008-06-03
Molcaxac	MOPM	Puebla,Mexico	18.7333N	97.9167W	1840	
Molde	MOL	Norway	62.5700N	7.5480E	98	From 1987-02-01
Moldovita	MDVR	Romania	44.7815N	21.7128E	720	From 2010-11-09
Molesworth	MLWM	Victoria,Australia	37.1368S	145.5105E	280	
Moliterno	MOLE	Italy	40.2514N	15.8296E	1130	
Molkenrain	MOF	Alsace,France	47.8517N	7.1332E	1085	From 1982-01-01
Mollejon	MOLL	Venezuela	7.7350N	71.6289W	900	From 1984-01-01
Molln	MOA	Austria	47.8495N	14.2659E	572	From 1996-01-01
Moma	MOMR	Sakha,Russia	66.4667N	143.2167E	192	
Mombacho	MOBN	Nicaragua	11.8317N	85.9777W	1000	
Mombaroccio (PU)	AD03	Italy	43.7910N	12.8474E	377	From 2010-03-29
Momias	MOMI	Spain	36.3301N	5.7200W	370	
Momote	MOM	Admiralty Islands,Papua New Guinea	2.0417S	147.4020E	10	From 1969-10-01
Momotombo	MOMN	Nicaragua	12.4083N	86.5400W	500	
Momotombo	MOMJ	Nicaragua	12.4083N	86.5400W	500	
Monaco	MON	Monaco	43.7306N	7.4250E	52	
Mona Island, PR	IMPR	Puerto Rico	18.0770N	67.9311W	9	From 2009-07-15
Monand	IMON	Iran	33.1922N	59.6667E	2150	From 2005-12-01
Monarch Peak	MOP	California,U.S.A.	36.2157N	120.7974W	754	From 1970-08-14 to 2011-07-22
Monarch Peak	PMPM	California,U.S.A.	36.2157N	120.7974W	754	From 1970-08-14 to 2011-07-22
Monarch Peak	PMPB	California,U.S.A.	36.2159N	120.8013W	802	
Monasavu	MSV	Fiji	17.7578S	178.0544E	626	From 1983-02-01
Monastery St. Joachim Osogovski	KPJ	Former Yugoslav Rep. of Macedonia	42.2092N	22.3617E	700	From 1995-01-01
Monastry St. Andrei	MSAB	Romania	44.0910N	27.8256E	106	From 2000-10-24
Moncalieri	MNC	Italy	45.0000N	7.7000E	238	
Moncks Corner	MKC	South Carolina,U.S.A.	33.1900N	80.0400W	25	From 1973-03-13 to 1973-10-01
Moncorvo	MVO	Portugal	41.1644N	7.0289W	860	From 1980-08-01
Moncucco Torinese	MONC	Italy	45.0739N	7.9271E	480	From 2005-01-13
Mondaino (RN)	AD02	Italy	43.8471N	12.6687E	355	From 2010-03-30
Mondonedo	EMON	Spain	43.4361N	7.3298W	615	From 1988-07-01
Mondragone	MODR	Italy	41.1459N	13.8779E	345	From 2007-06-19
Mondy	MOY	Buryatiya,Russia	51.6667N	100.9931E	1303	
Monesi	MONE	Italy	44.0795N	7.7550E	1320	From 1991-06-01 to 2009-09-30
Monestir Poblet	POBL	Spain	41.3793N	1.0847E	515	
Monetta	MTT	South Carolina,U.S.A.	33.7503N	81.6400W	182	From 1976-08-09
Mongiuffi-Melia	MMME	Sicily,Italy	37.9350N	15.2540E	905	From 1993-12-01
Moni Apezanon	APEZ	Crete,Greece	34.9777N	24.8859E	435	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Monida	MOMT	Montana,U.S.A.	44.5933N	112.3940W	2220	
Monjas	MJAS	Ecuador	0.2520S	78.4980W	2800	
Monmouth	MONM	Wales,United Kingdom	51.8396N	2.8054W	145	From 2009-07-14
Monmouth DOGAMI SMO	MONO	Oregon,U.S.A.	44.8537N	123.2414W	60	From 2008-02-12
Monnetier-Mornex	OG02	Rhone-Alpes,France	46.1542N	6.2208E	620	From 1989-11-10
Monobe	JMN	Kochi,Japan	33.7282N	133.8790E	550	
Mono Craters	MCRR	California,U.S.A.	37.8872N	118.9937W	2268	
Mono Lake	ML3	California,U.S.A.	37.5494N	118.8153W	2512	From 1966-08-25 to 1966-09-09
Mono Lake	ML2CL	California,U.S.A.	38.0806N	119.2442W	2987	From 1966-08-24 to 1966-09-09
Mono Lake	ML1	California,U.S.A.	37.8806N	118.8494W	2512	From 1966-08-22 to 1966-08-26
Mono Lake	ML1CL	California,U.S.A.	37.8806N	118.8494W	2512	From 1966-08-22 to 1966-08-26
Mono Lake	ML2	California,U.S.A.	38.0806N	119.2442W	2987	From 1966-08-24 to 1966-09-09
Mono Lake	ML4CL	California,U.S.A.	38.3058N	119.5536W	2195	From 1966-08-23 to 1966-09-09
Mono Lake	ML4	California,U.S.A.	38.3058N	119.5536W	2195	From 1966-08-23 to 1966-09-09
Mono Lake	ML3CL	California,U.S.A.	37.5494N	118.8153W	2512	From 1966-08-25 to 1966-09-09
Monomi-yama	K08	Iwate,Japan	39.3128N	141.5244E	488	
Mono Valley	MONR	California,U.S.A.	38.0608N	118.7760W	2179	From 1974-07-01 to 2002-10-10
Monowai	MNW	South Island,New Zealand	45.7803S	167.6190E	155	From 1935-07-01 to 1978-11-26
Monroe Substation	MBPA	Washington,U.S.A.	47.8985N	121.8889W	186	
Monserrat	MRB	Spain	41.5950N	1.8372E	860	
Monsted	NE02	Denmark	56.4590N	9.1700E	60	From 1983-02-01 to 2001-07-28
Monsted U'grnd	MUD	Denmark	56.4550N	9.1733E	12	From 1982-03-01
Mont	MONL	Aquitaine,France	43.4328N	0.6506W	100	
Montachique	MTH	Portugal	38.8967N	9.1925W	409	
Montagna Grande	MTGR	Sicily,Italy	37.8934N	12.7593E	751	From 2000-07-01
Montagne du Rey	REYF	Aquitaine,France	43.0697N	0.3925W	1000	From 1996-12-12
Montagnes des Peres	MPGF	French Guiana	5.1100N	52.6440W	147	
Montagne Vauclin	MVM	Martinique	14.5545N	60.8955W	361	From 1975-01-01
Montagny	OG11	Rhone-Alpes,France	45.4527N	6.6095E	1120	From 1993-07-07
Montague Island	MTU	Alaska,U.S.A.	59.9878N	147.6520W	434	
Montague Island	MTG	Alaska,U.S.A.	59.9118N	147.4970W	31	From 1974-10-03 to 1985-07-31
Montalto (Apecchio) - PU	AT03	Italy	43.5359N	12.3860E	789	From 2010-04-18
Montana Rajada	CRAJ	Canary Islands,Spain	28.2649N	16.5969W	2474	From 2004-06-11
Montanita	PT21	Peru	6.8490S	79.1360W	1200	
Montargil	PMTG	Portugal	39.0690N	8.2253W	190	From 2008-09-25
Montasola	MNS	Italy	42.3847N	12.6808E	600	From 1978-01-01
Montasola	MA1	Italy	42.3846N	12.6800E	600	From 1978-01-01
Montbardon	MBDF	Provence-Cote d'Azur,France	44.7269N	6.7714E	1520	From 1996-04-03
Mont Bernier	MBV	Vanuatu	17.6587S	168.3100E		
Mont Chateau	MCWV	West Virginia,U.S.A.	39.6581N	79.8456W	280	From 1991-03-28
Montclair	MONJ	New Jersey,U.S.A.	40.8083N	74.2308W	98	
Montclair St. U.	MSNJ	New Jersey,U.S.A.	40.8841N	74.1815W	132	From 2000-11-02
Mont de Guillon, France	MDGS	Franche Comte,France	47.3146N	6.3929E	400	From 2004-10-20 to 2008-12-09
Mont-d'or	MLG	Guadeloupe	16.0613N	61.7103W	642	
Mont Dore	PLUM	New Caledonia	22.2730S	166.6400E	9	From 2007-01-01
Mont Dzumac	DZM	New Caledonia	22.0710S	166.4440E	905	From 1985-01-01
Monte Acero	MAB1	Italy	41.2589N	14.4958E	723	
Monteagle	MEA	New South Wales,Australia	34.2083S	148.3930E		From 1966-08-14 to 1972-08-09
Monte Arcimis	EMAR	Sicily,Italy	37.6883N	15.0623E	1250	From 1994-10-01
Monte Arcimis	EARC	Sicily,Italy	37.6938N	15.0643E	1267	From 2002-10-01
Monte Argentario	MAO	Italy	42.4167N	11.1522E	326	From 1983-08-01
Monte Argentario	MAON	Italy	42.4283N	11.1309E	237	From 2003-07-25
Monte Baldo	BALI	Italy	45.7806N	10.8625E	1751	From 1981-06-15
Monte Baldo	BALD	Italy	45.6831N	10.8181E	1911	From 2007-11-08
Montebello Ionico	MMBI	Italy	38.0330N	15.7630E	950	From 1993-12-01
Montebello Ridge	MTB	California,U.S.A.	37.2907N	122.0910W	347	From 1975-02-07 to 1976-12-23
Montebelluna (TV), Italy	MBEL	Italy	45.7993N	12.0686E	271	From 2010-06-09
Montecano	MONV	Venezuela	11.9550N	69.9710W	170	From 2002-04-17
Monte Cassino	MCI	Italy	41.4833N	13.8167E	527	
Monte Cedrone	ATMC	Italy	43.4468N	12.1928E	739	From 2009-01-29
Montecelio	MTCE	Italy	42.0228N	12.7422E	388	From 2002-12-05
Monte Cimone	MME	Italy	44.1936N	10.7000E	2160	
Monte Civitella	MCIV	Italy	42.7786N	11.6765E	790	From 2010-05-17
Monte Cocuzzo	CZI	Italy	39.2183N	16.1336E	1700	From 1982-01-01
Montecristo	MTO	El Salvador	14.3897N	89.4050W	1380	
Montecristo 2	MTO2	El Salvador	14.4000N	89.3617W	1870	
Monte Cristo Peak	MCU	Utah,U.S.A.	41.4617N	111.5070W	2664	From 1975-12-01
Montecucco	N002	Italy	43.3731N	12.3296E	538	From 2011-03-15
Monte Cuccoli	MOCL	Italy	44.0025N	11.1086E	639	From 2008-11-19
Monte dei Santi	ESAN	Sicily,Italy	37.6945N	14.9677E	1690	From 1994-10-01
Monte Escuro	MTSA	Azores,Portugal	37.7810N	25.4384W	826	
Monte Escuro	MESC	Azores,Portugal	37.7931N	25.4456W	790	From 1990-01-19
Monte Figo	FIG	Portugal	37.1006N	7.8283W	310	From 1984-03-30 to 2009-05-30
Monte Figo	PFMF	Portugal	37.1005N	7.8235W	398	From 1996-01-01
Monte Finestrelle	MFNL	Sicily,Italy	37.7908N	12.9224E	677	From 2000-07-01
Monte Foce - Gubbio	ATFO	Italy	43.3666N	12.5715E	960	From 2009-08-10
Monte Fontane	EMFO	Sicily,Italy	37.7352N	15.0835E	1134	From 1994-10-01
Montegabbione	MGAB	Italy	42.9126N	12.1121E	547	From 2008-04-02
Montego Bay	MBJ	Jamaica	18.4027N	77.8627W	576	
Monte Grosso	EMGR	Sicily,Italy	37.6703N	15.0073E	1350	From 1994-10-01
Montehunto	PMJU	Portugal	39.1750N	9.0488W	660	
Monte Intraleo	EMIL	Sicily,Italy	37.7213N	14.9165E	1560	From 1994-10-01
Montelago di Sassoferrato	SSFR	Italy	43.4363N	12.7822E	750	From 2010-07-23
Monte Lauro	MEU	Sicily,Italy	37.1011N	14.9300E	985	
Monteleto	CC03	Italy	43.3780N	12.5163E	513	From 2011-03-15
Monte Llano	DR4	Dominican Republic	19.4672N	70.3600W		
Monte Llano	DR04	Dominican Republic	19.4672N	70.3600W	327	
Montello	MTLO	Italy	45.8133N	12.0967E	350	From 1988-01-01
Montello	M13A	Nevada,U.S.A.	41.3602N	114.1655W	1514	From 2006-05-04 to 2008-08-19
Monte Maddalena	GRDM	Italy	45.5451N	10.2795E	785	From 2007-05-01
Monte Magaggiaro	MMGO	Sicily,Italy	37.6619N	12.9767E	397	From 2000-07-01
Monte Massico	MSC	Italy	41.1914N	13.9714E	109	
Montemor	MOE	Portugal	38.5228N	8.3506W	263	From 1983-02-19
Monte Nero	EMNR	Sicily,Italy	37.8162N	15.0260E	1745	From 2003-09-01
Monte Nero	EN6*	Sicily,Italy	37.8058N	15.0389E		From 1966-04-01 to 1966-05-01
Monte Parmentelli	EMPL	Sicily,Italy	37.6790N	14.9698E	1434	From 1994-10-01
Monte-Pele	MPM	Martinique	14.8120N	61.1680W	1190	
Monte Pellegrino	MPG	Sicily,Italy	38.1617N	13.3600E	600	From 1994-03-01
Monte Pirata	MTPB	Puerto Rico	18.0900N	65.5500W	175	
Monte Pirata	MTP	Puerto Rico	18.0972N	65.5525W	120	From 1975-04-01
Monte Pizzetto	PZZT	Italy	44.1313N	10.8617E	1236	From 2005-08-09
Monte Prat	MPRI	Italy	46.2417N	12.9883E	762	From 1977-06-02
Monterenzio	MTRZ	Italy	44.3763N	11.4663E	594	From 2007-12-12
Monterey	HMOM	California,U.S.A.	36.6005N	121.9180W	192	From 1970-11-27
Monterey	MTR	California,U.S.A.	36.6005N	121.9180W	192	From 1970-11-27
Monterey Bay OB	MOBB	California,U.S.A.	36.6906N	122.1660W	-1036	
Monte Rocchetta	MRB1	Italy	41.1264N	14.9728E	625	
Monte Rojo	SDD10	Dominican Republic	19.2105N	69.2698W	385	
Monte Rosa	MR6*	Sicily,Italy	38.4792N	14.9578E		From 1966-04-01 to 1966-05-01
Monte Rota	SEST	Italy	46.7493N	12.2165E	1729	From 2003-11-12
Monte Ruvolo	EMRV	Sicily,Italy	37.7463N	14.8835E	1205	From 1994-10-01
Monte S. Angelo	MSAG	Italy	41.7120N	15.9096E	890	From 2006-05-25
Montesano sulla Marcellana	MTSN	Italy	40.2663N	15.7515E	1056	From 2006-08-07
Monte Sant'Angelo	FGMS	Italy	41.7079N	15.9534E	848	
Monte Sant'Angelo (FG)	MS1	Italy	41.7050N	15.9420E	830	From 1982-04-01
Montesarchio	MSB1	Italy	41.0897N	14.6594E	610	
Monte Scavo	ESVO	Sicily,Italy	37.7728N	14.9468E	1680	From 1994-10-01
Monte Sirino - Moliterno	SIRI	Italy	40.1821N	15.8675E	1063	From 2006-08-07
Monte Soro	MNO	Sicily,Italy	37.9331N	14.6947E	1830	
Monte Soro	ESRO	Sicily,Italy	37.9308N	14.6940E	1847	From 1994-10-01
Monte Spagnolo	EMSG	Sicily,Italy	37.8208N	14.9498E	1435	From 1994-10-01
Monte Urbino	MURB	Italy	43.2630N	12.5246E	845	From 2004-01-21
Monte Vetore	EMVT	Sicily,Italy	37.6910N	14.9835E	1855	From 1994-10-01 to 2005-07-13
Monte Vettore	MVT	Sicily,Italy	37.6892N	14.9861E	1660	
Monteview	I15A	Idaho,U.S.A.	43.9997N	112.4850W	1470	From 2007-08-14 to 2009-06-05
Monte Vulture - Melfi	VULT	Italy	40.9549N	15.6163E	1101	From 2005-08-12
Monteynard	MNY	Rhone-Alpes,France	44.9606N	5.6911E	422	From 1963-09-01
Montezuma	S30A	Kansas,U.S.A.	37.6402N	100.4640W	853	From 2009-04-15
Montezuma	MTZ	Antofagasta,Chile	22.6333S	68.8333W	1850	From 1933-01-01 to 1999-08-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Montezuma Peak	MZP	Nevada,U.S.A.	37.7007N	117.3834W	2395	From 1979-07-13
Montgomery	MGVT	Vermont,U.S.A.	44.9135N	72.6277W	262	From 1977-08-01 to 1981-08-25
Monticello	MCEL	Italy	40.3249N	15.8019E	960	From 2006-08-07
Monticello Reservoir Site 1	MR01	South Carolina,U.S.A.	34.3318N	81.2957W	131	
Monticello Reservoir Site 10	MR10	South Carolina,U.S.A.	34.3363N	81.3375W	137	
Monticello Reservoir Site 2	MR02	South Carolina,U.S.A.	34.1929N	81.2302W	84	
Monticello Reservoir Site 3	MR03	South Carolina,U.S.A.	34.3514N	81.4569W	125	
Monticello Reservoir Site 4	MR04	South Carolina,U.S.A.	34.4287N	81.2166W	145	
Monticello Reservoir Site 5	MR05	South Carolina,U.S.A.	34.2675N	81.3342W	103	
Monticello Reservoir Site 6	MR06	South Carolina,U.S.A.	34.3517N	81.1962W	137	
Monticello Reservoir Site 7	MR07	South Carolina,U.S.A.	34.3720N	81.3250W	134	
Monticello Reservoir Site 8	MR08	South Carolina,U.S.A.	34.4088N	81.4092W	112	
Monticello Reservoir Site 9	MR09	South Carolina,U.S.A.	34.3008N	81.4030W	122	
Monti di Nese	MDI	Italy	45.7772N	9.7114E	1025	
Montolieu	MTLF	Languedoc-Rousillon,France	43.3411N	2.2175E	365	From 1996-04-03
Mont Orford	MOQ	Quebec,Canada	45.3120N	72.2541W	841	From 1991-05-03
Montottone (Fermo)	T0401	Italy	43.0621N	13.5957E	343	
Montouss^	FMON	Midi-Pyrenees,France	43.0634N	0.4164E	647	From 2008-09-01
Montpelier	MPVT	Vermont,U.S.A.	44.2783N	72.6067W		From 1977-06-27 to 1981-08-25
Montreal	MNT	Quebec,Canada	45.5025N	73.6231W	112	From 1954-09-01
Montreal, Quebec	MNTQ	Quebec	45.5003N	73.6228W	112	From 2010-07-26
Mont Rhoder	AMRH	Algeria	35.8572N	4.9388E	1530	
Montrose	MRC	Colorado,U.S.A.	38.4706N	107.8600W	1790	From 1970-01-01 to 1972-11-30
Montrose	MS-PA	Pennsylvania,U.S.A.	41.7611N	75.7975W	457	From 1962-07-24 to 1962-07-27
Montrose	MS-	Pennsylvania,U.S.A.	41.7611N	75.7975W	457	From 1962-07-24 to 1962-07-27
Mont Sano	MSAL	Alabama,U.S.A.	34.8467N	86.6735W	260	
Monts Chateau	KCH	Kerguelen Islands	49.2440S	70.1450E		From 1974-02-01
Montserrat	MWI	Montserrat	16.7130N	62.2220W	46	From 1966-03-20 to 1999-08-25
Montserrat Volcano Observatory	MVOV	Montserrat	16.7465N	62.2283W	80	
Mont Tournerait	TOUF	Provence-Cote d'Azur,France	44.0137N	7.2483E	1830	
Mont Tremblant	TRQ	Quebec,Canada	46.2222N	74.5556W	853	From 1981-03-16
Monturaqui	MTQ	Antofagasta,Chile	24.3400S	68.4400W	3000	
Mont Vial	MUIF	Provence-Cote d'Azur,France	43.8963N	7.1525E	1480	
Mont Vial	MVIF	Provence-Cote d'Azur,France	43.8963N	7.1525E	1480	
Monument Peak	MONP	Arizona,U.S.A.	32.8900N	116.4200W	1920	From 2004-04-15
Moodus	MD3	Connecticut,U.S.A.	41.5066N	72.4715W	152	
Moodus	MD2	Connecticut,U.S.A.	41.5314N	72.4337W	61	
Moodus	MD4	Connecticut,U.S.A.	41.5023N	72.5121W	106	
Moodus	MD5	Connecticut,U.S.A.	41.4551N	72.4950W	101	
Moodus	MD1	Connecticut,U.S.A.	41.5529N	72.4667W	113	
Moody	335A	Texas,U.S.A.	31.2819N	97.4271W	217	From 2009-11-15
Moondarra Dam	MDRM	Victoria,Australia	38.0990S	146.3790E	250	
Moonee Ponds	MPDM	Victoria,Australia	37.7689S	144.9064E	30	
Moon Mountain	MOON	Oregon,U.S.A.	44.0515N	121.6695W	224	From 2002-08-01
Moorlands	MOO	Tasmania,Australia	42.4417S	147.1900E	325	From 1960-01-01
Moosalm	MOTA	Austria	47.3448N	11.1037E	1575	From 1991-02-09
Moose Creek	MCID	Idaho,U.S.A.	44.1903N	111.1827W	2149	
Moose Creek	MSE	Alaska,U.S.A.	61.8383N	148.9670W	1319	From 1984-09-11
Moose Creek	YUK3	Yukon Territory,Canada	61.7755N	140.4595W	2100	From 2010-08-25
Moose Creek Bluff	MCB	Alaska,U.S.A.	64.7225N	147.2250W	200	From 1968-09-01 to 1971-09-30
Moose Pass	MPA	Alaska,U.S.A.	60.4892N	149.3610W	150	From 1973-08-05
Moose Ponds	MOOW	Wyoming,U.S.A.	43.7486N	110.7450W	2128	From 1986-01-01
Moosonee Ontario	MSNO	Ontario,Canada	51.2913N	80.6113W	4	From 2005-07-23
Mopani	MOPA	Transvaal,South Africa	23.5173S	31.3977E	362	From 2004-03-26
Moragy	PKSM	Hungary	46.2119N	18.6413E	170	
Moravsky	KRUC	Czech Republic	49.0619N	16.3952E	341	
Moravsky Beroun	MORC	Czech Republic	49.7768N	17.5425E	743	From 1995-04-01
Morawa	MRWA	Western Australia,Australia	29.2180S	115.9960E	300	From 1984-06-21
Morawa	MORW	Western Australia,Australia	29.0679S	116.0403E	296	From 1999-09-27
Morecambe B102	LBH	England,United Kingdom	54.0325N	2.9058W	-85	From 1990-01-01
Morelia	MOIG	Michoacan,Mexico	19.6779N	101.1889W	2000	
Morelia	MRX	Michoacan,Mexico	19.7045N	101.1917W	1560	From 1988-01-01
Moreno Valley High School, Angel Fire	U24A	New Mexico,U.S.A.	36.4093N	105.2784W	2573	From 2008-05-18
Moresby Island	MOBC	British Columbia,Canada	53.1448N	131.9687W	675	
Morganfield	MOKY	Kentucky,U.S.A.	37.6470N	87.9010W	204	From 1989-01-01
Morgan Territory	MTC	California,U.S.A.	37.8110N	121.8037W	745	From 1969-04-17 to 2008-07-16
Morgan Territory	CMOB	California,U.S.A.	37.8104N	121.8027W	743	
Morgan Territory	CMOM	California,U.S.A.	37.8110N	121.8037W	745	From 1969-04-17 to 2008-07-16
Morgan Territory	LT17	California,U.S.A.	37.8110N	121.8037W	745	From 1969-04-17 to 2008-07-16
Morgantown	MRG	West Virginia,U.S.A.	39.6331N	79.9544W	281	From 1950-10-01
Morge	MRGE	Italy	45.7698N	7.0610E	1660	From 2005-09-08
Mori	MOR	O shima,Japan	42.1033N	140.5717E	19	
Morigerati	MGR	Italy	40.1376N	15.5535E	288	
Morin Heights	MRHQ	Quebec,Canada	45.8870N	74.2127W	422	
Morin Heights	MRNQ	Quebec,Canada	45.8425N	74.2934W	59	
Morioka	MRK	Iwate,Japan	39.6967N	141.1667E	154	
Morioka 2	MRKJ	Iwate,Japan	39.5988N	141.3238E	380	From 1992-02-21
Moriya	MRJ	Ibaraki,Japan	35.9425N	140.0044E	1	
Mormanno	MMN	Italy	39.8901N	15.9905E		
Morne Balai	BAMF	Martinique	14.8157N	61.1483W	670	
Morne-Daniel	MDN	Dominica	15.3185N	61.3923W	99	From 1981-03-16
Morne Jacques	MJM	Martinique	14.7887N	61.0708W	400	
Morne La Croix	CXM	Martinique	14.8113N	61.1685W	1240	
Morne Lapointe	LPMF	Martinique	14.5745N	60.9663W	130	
Morne Lenard	PML	Martinique	14.7810N	61.1838W	370	
Morne Mazeau, Deshaies	GDHS	Guadeloupe,Guadeloupe	16.2727N	61.7651W	618	
Morne Pavillon	PAMF	Martinique	14.6138N	61.0363W	120	
Morne Soldat	MSGF	Guadeloupe	16.0987N	61.7220W	851	
Morne Tabac	SLTA	St Lucia	13.8704N	61.0399W	550	
Morong	MNP	Luzon,Philippines	14.6798N	120.2780E	12	
Morongo Valley	MRVC	California,U.S.A.	34.1558N	116.5020W	1239	From 1978-03-01
Morovis	MOV	Puerto Rico	18.2987N	66.3666W	485	From 1977-02-15 to 1999-08-25
Morphett Vale	MPTV	South Australia,Australia	35.1301S	138.5374E	100	From 2010-05-27
Morrocoy	MORO	Venezuela	10.8722N	68.3161W	920	From 1984-01-01
Morro de la Arena	MACI	Canary Islands,Spain	28.2500N	16.5080W	1590	
Morro Solar	PT01	Peru	12.0150S	77.0317W	250	
Morshin	MORS	Ukraine	49.1330N	23.8940E	262	
Morshin	MRSS	Ukraine	49.1330N	23.8940E	262	
Morton Thiokol	MTUT	Utah,U.S.A.	41.7092N	112.4547W	1373	
Moscow	MOS	Moskovskaya Oblast',Russia	55.7383N	37.6250E	121	
Moseley Ranch, Sierra Blanca	324A	Texas,U.S.A.	31.4425N	105.4828W	1441	From 2008-02-23 to 2010-01-14
Mose, Pekin	C30A	North Dakota,U.S.A.	47.7026N	98.4783W	480	From 2009-08-06
Mosicchio (Amatrice)	RM25	Italy	42.6223N	13.2815E	976	From 2009-06-18 to 2009-07-06
Mosqueruela	EMOS	Spain	40.3639N	0.4721W	1694	
Moss Hill, Ennis	G16A	Montana,U.S.A.	45.2285N	111.8046W	1769	From 2007-09-24 to 2009-06-09
Mostar	MST	Bosnia and Herzegovina	43.3500N	17.8167E	70	
Mosteiros	SET4	Azores,Portugal	37.8747N	25.7988W	402	From 1998-12-01
Mosul	MSL	Iraq	36.4000N	43.1100E	242	From 1981-07-01
Motegi	MGJ	Tochigi,Japan	36.5535N	140.2167E	140	
Motril	EXMO	Spain	36.7270N	3.5360W	55	
Motta San Giovanni	MTTG	Italy	38.0019N	15.6939E	490	
Motutapu	MTAZ	North Island,New Zealand	36.7881S	174.9100E	60	
Motz Farm, Whitney	K26A	Nebraska,U.S.A.	42.7016N	103.1783W	1122	From 2008-11-15
Moucha	MCAD	Djibouti	11.7303N	43.2120E	4	From 1994-01-01
Mouk	IMOK	Iran	29.0461N	52.7146E	2788	From 2002-10-01
Mould Bay	NP-NT	Northwest Territories,Canada	76.2522N	119.3717W	59	
Mould Bay	MBC	Northwest Territories,Canada	76.2417N	119.3600W	15	From 1961-10-18 to 2004-11-10
Moule a Chique	MCLT	St Lucia	13.7096N	60.9412W	220	
Moulis	MLS	Midi-Pyrenees,France	42.9578N	1.0947E	450	
Moumakai	MKAZ	North Island,New Zealand	37.1114S	175.1667E	120	
Mounoet Dainard	MNB	British Columbia,Canada	52.1987N	118.3830W	2271	
Mount Abel	ABL	California,U.S.A.	34.8508N	119.2210W	1981	From 1976-06-01
Mount Adagdak	ADAG	Alaska,U.S.A.	51.9802N	176.6017W	286	
Mount Adams	AMW	North Island,New Zealand	41.3094S	175.7610E	400	From 1991-02-11 to 2003-09-09
Mount Adams--Stagman Ridge	ASR	Washington,U.S.A.	46.1507N	121.5930W	1280	
Mountain Creek	FALL	British Columbia,Canada	53.2780N	132.4601W	391	
Mountain Grove	MGMO	Missouri,U.S.A.	37.1540N	92.2687W	453	
Mountain Home	MO-	Idaho,U.S.A.	43.0719N	116.2656W	792	From 1966-11-17 to 1967-06-26
Mountain Home	MO-ID	Idaho,U.S.A.	43.0719N	116.2656W	792	From 1966-11-17 to 1967-06-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mountain Pass	MTPC	Nevada,U.S.A.	35.4848N	115.5533W	1582	
Mountain Pine	MP-AR	Arkansas,U.S.A.	34.6017N	93.1458W	183	From 1961-11-20 to 1963-06-03
Mountain Pine	MP-	Arkansas,U.S.A.	34.6017N	93.1458W	183	From 1961-11-20 to 1963-06-03
Mountain View	MVH	Hawaii,U.S.A.	19.5042N	155.0620W	409	
Mount Airy	MANY	New York,U.S.A.	41.2220N	73.8686W	133	
Mount Amassa	ASI	Israel	31.3300N	35.0950E	850	From 1983-08-01 to 1984-10-31
Mount Arapiles	ARPS	Victoria,Australia	36.7699S	141.8383E	213	From 2000-12-01
Mount Atzmon	ATZ	Israel	32.8216N	35.2697E	510	From 1986-01-01
Mount Bagana	BGA	Bougainville,Papua New Guinea	6.1500S	155.1800E	1000	From 1984-01-01
Mount Baker	MU-WA	Washington,U.S.A.	48.9167N	121.9103W	732	From 1962-09-26 to 1962-10-05
Mount Baker	MBW	Washington,U.S.A.	48.7840N	121.9000W	1676	From 1972-11-08
Mount Baldy Ranger Station	BFSC	California,U.S.A.	34.2388N	117.6585W	1312	From 2001-07-10
Mount Belmont	BEMT	Montana,U.S.A.	46.7483N	112.3300W	2228	
Mount Berech	MBH	Israel	29.7925N	34.9153E	842	From 1986-06-18 to 2007-06-18
Mount Bingar	MBA	New South Wales,Australia	34.1250S	146.2370E		From 1961-01-01 to 1962-12-31
Mount Brisbane	WMBQ	Queensland,Australia	27.1155S	152.5500E	160	From 1977-03-18
Mount Cameroon	MOC	Cameroon	4.2869N	9.2169E	2475	From 1985-11-23 to 1990-12-31
Mount Cameroon	MOKC	Cameroon	4.2583N	9.2500E	2040	
Mount Carmel	CRI	Israel	32.6820N	35.0450E	450	From 1983-07-01 to 1999-08-25
Mount Cartier	CARB	British Columbia,Canada	50.9000N	118.0530W	2294	
Mount Castle	MCAS	Papua New Guinea	6.3719S	143.4833E	1950	From 1996-08-31
Mount Claude	CLAW	Tasmania,Australia	41.4920S	146.1830E	900	
Mount Constitution	MCW	Washington,U.S.A.	48.6797N	122.8320W	693	From 1972-11-08
Mount Cooper	MCPQ	Queensland,Australia	20.5500S	146.8065E	300	From 1984-02-23
Mount Cotopaxi	CPXM	New South Wales,Australia	34.4765S	150.6248E	622	
Mount Darwin	MTD	Zimbabwe	16.7800S	31.5833E	967	From 1971-06-01
Mount Davis	MDA	California,U.S.A.	33.9130N	116.9990W	845	
Mount Denham	MTDJ	Jamaica	18.2261N	77.5345W	925	
Mount Diablo	MDC	California,U.S.A.	37.8817N	121.9140W	1173	From 1967-05-27 to 1974-06-01
Mount Ellis	MEMT	Montana,U.S.A.	45.6040N	110.9697W	1951	From 1987-10-15
Mount Erie	ERW	Washington,U.S.A.	48.4540N	122.6251W	389	
Mount Fremont	FMW	Washington,U.S.A.	46.9317N	121.6720W	1890	From 1972-09-04
Mount Gambier	MGBR	South Australia,Australia	37.7283S	140.5710E	190	
Mount Gibbes	MGNC	North Carolina,U.S.A.	35.7363N	82.2855W	1973	
Mount Gilboa	MGI	Israel	32.4391N	35.4117E	300	
Mount Grey	MGB	British Columbia,Canada	49.0000N	124.6920W	1300	From 1983-12-01
Mount Hagen	VMHM	Oregon,U.S.A.	44.1377N	122.4070W	902	
Mount Hamilton	MHC	California,U.S.A.	37.3416N	121.6426W	1250	From 1887-01-01
Mount Hamilton Road	MHR	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mount Harif	HRFI	Israel	30.0364N	35.0370E	438	From 2002-05-20
Mount Harkness	LHKM	California,U.S.A.	40.4353N	121.2780W	2060	
Mount Harlan	BMHM	California,U.S.A.	36.6863N	121.4130W	811	From 1975-01-29
Mount Hebo	HEBO	Oregon,U.S.A.	45.2137N	123.7542W	875	
Mount Hebo	VHOM	Oregon,U.S.A.	45.2192N	123.7250W	951	
Mount Hermon	HRI	Israel	33.2660N	35.7340E	1015	From 1983-07-01
Mount Hood Meadows	HOOD	Oregon,U.S.A.	45.3216N	121.6522W	1520	
Mount Hope	RD03	Ontario,Canada	43.1832N	79.9440W	198	
Mount Hope	MHPQ	Queensland,Australia	21.3960S	146.8020E	200	From 1984-04-10
Mount Hope	HOPM	Victoria,Australia	35.9964S	144.2046E	140	
Mount Horn	MHZ	South Island,New Zealand	45.0619S	169.2797E	1127	From 1984-06-06 to 1996-04-30
Mount Humbug	HBMT	Montana,U.S.A.	45.7930N	112.6080W	2481	From 1990-08-08
Mount Ida	MZ-AR	Arkansas,U.S.A.	34.5586N	93.6578W	213	From 1962-12-20 to 1963-01-31
Mount Ida	MIAR	Arkansas,U.S.A.	34.5457N	93.5730W	207	From 1992-09-23
Mount Ida	MZ-	Arkansas,U.S.A.	34.5586N	93.6578W	213	From 1962-12-20 to 1963-01-31
Mount Irish	MTI	Nevada,U.S.A.	37.6758N	115.2759W	1536	From 1979-06-08 to 2002-10-10
Mount Isa	ISQ	Queensland,Australia	20.7150S	139.5530E	500	From 1979-08-21 to 1987-06-14
Mount Isa	QIS	Queensland,Australia	20.5577S	139.6052E	450	From 1987-06-15
Mount John	MJZ	South Island,New Zealand	43.9872S	170.4660E	1000	From 1965-05-29 to 1980-06-25
Mount John Pukaki	MJP	South Island,New Zealand	43.9911S	170.4590E	960	From 1975-06-01 to 1983-11-21
Mount Johnson	BJOM	California,U.S.A.	36.6283N	121.3130W		From 1974-01-31
Mount Kelaz	KELA	Alaska,U.S.A.	58.4400N	155.7407W	975	
Mount Kenneth	MTKN	Western Australia,Australia	31.9333S	115.7736E	61	From 2009-04-01
Mount Kliuchef	KOKL	Alaska,U.S.A.	52.3232N	174.2002W	758	
Mount Konoctai	GMKM	California,U.S.A.	38.9695N	122.7870W	906	From 1975-04-18
Mount Lassen	LAS	California,U.S.A.	40.4752N	121.5080W	2650	From 1973-10-01 to 1974-07-16
Mount Lazard	LZB	British Columbia,Canada	48.6117N	123.8236W	844	
Mount Lewis	CMLM	California,U.S.A.	37.4773N	121.6510W	1076	
Mount Logan	MTLAZ	Arizona,U.S.A.	36.3530N	113.1990W	2418	
Mount Lospe	PMLM	California,U.S.A.	34.8947N	120.6093W	468	
Mount Malkishua	MMLI	Israel	32.4379N	35.4216E	511	
Mount Malkishua	MML	Israel	32.4351N	35.4133E	510	From 1986-05-01 to 2001-07-18
Mount Mary	MMP	South Island,New Zealand	44.1425S	170.2780E	950	From 1975-06-01 to 1983-11-21
Mount Meron	MNRI	Israel	33.0100N	35.3870E	900	
Mount Meron	MMR	Israel	32.9900N	35.4200E	1108	From 1991-05-01
Mount Meron	MRNI	Israel	33.0120N	35.3920E	900	
Mount Meron array	MMC3	Israel	33.0183N	35.4138E	713	From 2004-01-01
Mount Meron array	MMC4	Israel	33.0072N	35.4186E	750	From 2004-01-01
Mount Meron array	MMA0B	Israel	33.0153N	35.4031E	809	From 2004-01-01
Mount Meron array	MMC5	Israel	33.0087N	35.4127E	766	From 2004-01-01
Mount Meron array	MMA1	Israel	33.0181N	35.4062E	776	From 2004-01-01
Mount Meron array	MMB1	Israel	33.0151N	35.4108E	733	From 2004-01-01
Mount Meron array	MMB2	Israel	33.0097N	35.3953E	878	From 2004-01-01
Mount Meron array	MMC7	Israel	33.0221N	35.3926E	816	From 2004-01-01
Mount Meron array	MMB4	Israel	33.0208N	35.4020E	806	From 2004-01-01
Mount Meron array	MMC2	Israel	33.0268N	35.4116E	701	From 2004-01-01
Mount Meron array	MMA0	Israel	33.0152N	35.4031E	810	From 2004-01-01
Mount Meron array	MMC1	Israel	33.0305N	35.4037E	827	From 2004-01-01
Mount Meron array	MMB3	Israel	33.0195N	35.3971E	812	From 2004-01-01
Mount Meron array	MMA2	Israel	33.0125N	35.4057E	776	From 2004-01-01
Mount Meron array	MMA4	Israel	33.0146N	35.3975E	851	From 2004-01-01
Mount Meron array	MMC6	Israel	33.0120N	35.3915E	893	From 2004-01-01
Mount Meron array	MMA3	Israel	33.0121N	35.4006E	792	From 2004-01-01
Mount Meron Array Beam Reference Point	MMAI	Israel	33.0153N	35.4031E	809	From 2004-01-01
Mount Michael	MMCZ	South Island,New Zealand	45.0036S	169.1313E	1163	From 1990-03-01 to 1996-04-30
Mount Mitchell	MTMW	Washington,U.S.A.	46.0255N	122.2120W	1121	
Mount Mocho	CMMM	California,U.S.A.	37.4557N	121.4940W	1117	
Mount Montar	MOI	Israel	31.7350N	35.3491E	140	
Mount Morgan	MORG	Queensland,Australia	23.7626S	150.3901E	170	
Mount Moriah Church	MMCS	South Carolina,U.S.A.	34.7798N	82.9152W	280	
Mount Morrison	MTW	North Island,New Zealand	41.1594S	175.5020E	282	From 1979-06-29
Mount Natib	NBP	Luzon,Philippines	14.7420N	120.4160E	585	
Mount Nelson	NELS	Tasmania,Australia	42.9271S	147.3326E	348	
Mount Ogden	MOUT	Utah,U.S.A.	41.1849N	111.8790W	2743	From 1980-09-01
Mount Olympus	OLYC	California,U.S.A.	33.4313N	117.1180W	482	
Mount Oso	COSM	California,U.S.A.	37.5085N	121.3740W	1020	
Mount Ozzard	OZB	British Columbia,Canada	48.9603N	125.4930W	671	
Mount Pasian	MPP	Mindanao,Philippines	7.8972N	126.0180E	1130	From 1975-09-01 to 1980-01-17
Mount Pierce	KMPM	California,U.S.A.	40.4173N	124.1200W	957	
Mount Pierson	MTPU	Utah,U.S.A.	38.0415N	112.1843W	3112	From 2009-10-24
Mount Pinos, Frazier Park	MPI	California,U.S.A.	34.8126N	119.1453W	2673	From 2000-11-01
Mount Rainier--Camp Muir	RCM	Washington,U.S.A.	46.8358N	121.7318W	3085	
Mount Rainier--Camp Schurman	RCS	Washington,U.S.A.	46.8710N	121.7310W	2877	From 1989-06-27
Mount Rainier--Emerald Ridge	REMR	Washington,U.S.A.	46.8192N	121.8409W	1756	From 1989-07-12
Mount Rainier--Summit	RSU	Washington,U.S.A.	46.8533N	121.7631W	4440	
Mount Rainier--Voight Creek	RVC	Washington,U.S.A.	46.9429N	121.9710W	1000	
Mount Ramon	RMNI	Israel	30.5964N	34.7620E	853	
Mount Ramon	RMN	Israel	30.4970N	34.6270E	1000	
Mount Read	MTRD	Tasmania,Australia	41.8464S	145.5436E	1080	
Mount Saint Catherine	GRW	Grenada	12.1600N	61.6610W	762	From 1978-04-09
Mount Saint Helena	SHC	California,U.S.A.	38.6703N	122.6340W	1200	From 1973-12-07 to 1977-01-20
Mount Saint Helena	NMHM	California,U.S.A.	38.6695N	122.6340W	1331	From 1977-01-20
Mount Saint Helens	SHW	Washington,U.S.A.	46.1925N	122.2370W	1423	From 1972-10-25
Mount Saint Helens Crater	VALT	Washington,U.S.A.	46.2142N	122.1893W	1681	From 2006-09-23
Mount San Antonio	MSA	New Mexico,U.S.A.	36.8592N	106.0180W	3322	From 1975-10-09
Mount Santo Tomas	MSP	Luzon,Philippines	16.3333N	120.5667E	2000	From 1975-10-01
Mount Sar Shalom	MSM	Israel	33.0610N	35.2790E	500	From 1983-03-19 to 1983-07-14
Mount Sheppard	MTSH	North Carolina,U.S.A.	35.7556N	79.9528W	361	
Mount Sheridan	YMS	Wyoming,U.S.A.	44.2640N	110.5278W	3106	
Mount Signal	SGL	California,U.S.A.	32.6492N	115.7250W	110	From 1973-04-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mount Sodom	SDOM	Israel	31.0800N	35.3900E	-200	
Mount Spurr	SPU	Alaska,U.S.A.	61.1817N	152.0540W	800	From 1971-08-10
Mount St. Helen	MSH11	Washington,U.S.A.	46.2078N	119.0377W	97	From 2004-10-28
Mount St. Helen	MSH21	Washington,U.S.A.	46.3079N	122.2660W	1040	From 2004-10-30
Mount St. Helen	MSH31	Washington,U.S.A.	46.3085N	119.3380W	117	From 2005-08-14
Mount Surprise	MTSU	Queensland,Australia	18.1342S	144.3168E	460	From 2002-11-06
Mount Tamalpais	NTPM	California,U.S.A.	37.9200N	122.5630W	274	
Mount Tarawera	TARZ	North Island,New Zealand	38.2356S	176.5059E	1071	From 2007-11-22
Mount Tassie	MTV	Victoria,Australia	38.4017S	146.5660E	740	
Mount Tassie Tower	MTLM	Victoria,Australia	38.4015S	146.5642E	755	
Mount Taylor	MTL	New Mexico,U.S.A.	35.2519N	107.5960W	3335	From 1975-10-15
Mount Thompson	THOB	British Columbia,Canada	52.6900N	119.1220W	2499	From 1972-10-15 to 1999-08-25
Mount Tsukuba	MTJ	Ibaraki,Japan	36.2108N	140.1100E	286	From 1921-01-01
Mount Umunhum	JUMM	California,U.S.A.	37.1608N	121.8980W	1048	
Mount Union College	MUCO	Ohio,U.S.A.	40.9050N	81.1090W	365	
Mount Varzin	EVZ	New Britain,Papua New Guinea	4.3960S	152.1550E	597	
Mount Washington	MWAB	British Columbia,Canada	49.7411N	125.3032W	1176	From 2009-07-31
Mount Wilson	MWC	California,U.S.A.	34.2238N	118.0580W	1730	From 1928-04-23
Mount Yahel	MYI	Israel	31.1990N	35.2160E	500	
Mount Yoash	YASH	Israel	29.5850N	34.8810E	718	
Mount Zion Church	ZIN	South Carolina,U.S.A.	33.1072N	80.1628W	30	From 1977-10-23
Moutere Station	MSCZ	South Island,New Zealand	45.0931S	169.4117E	701	From 1986-12-01 to 1996-04-30
Mouthoumet	MTHF	Languedoc-Rousillon,France	42.9386N	2.5339E	620	From 1989-01-01
Moxa	MOX	Thuringen,Germany	50.6447N	11.6156E	455	
Moxie City	MXC	Washington,U.S.A.	46.5772N	120.2930W	540	
Moye	OG06	Rhone-Alpes,France	45.8810N	5.8902E	650	From 1992-04-14
Moyogalpa	MOYN	Nicaragua	11.5357N	85.6958W	50	
Moyori	MYR	Tokachi,Japan	42.2918N	143.2837E	80	From 1971-11-03
Moyuta	MYT	Guatemala	14.0472N	90.0642W	1325	From 1983-10-01
Mozjanca	MOZS	Slovenia	46.2941N	14.4433E	660	From 2005-07-07
Mtatsminda	MTA	Georgia	41.6939N	44.7925E	515	From 2004-01-01
Mt Baker	MU-	Washington,U.S.A.	48.9167N	121.9103W	732	From 1962-09-26 to 1962-10-05
Mt Berech	MBRI	Israel	29.7942N	34.9140E	850	From 2007-06-19
Mt. Cagua	SGCP	Luzon,Philippines	18.2420N	122.0460E	50	
Mte Cammarata	MCT	Sicily,Italy	37.6311N	13.6336E	1565	
Mte del Estrado	MEP	Puerto Rico	18.1458N	66.9811W	880	From 1990-07-01 to 1999-08-25
M.te Sabotino	SABO	Italy	45.9800N	13.6000E	600	
Mte Sant'Angelo	FG3	Italy	41.7074N	15.9494E	858	
Mte Valcellina	RE1	Italy	46.1600N	12.6533E	548	From 1977-08-03 to 1995-11-10
Mte Valcellina	RCL	Italy	46.1600N	12.6533E	548	From 1977-08-03 to 1995-11-10
Mt Hamilton Road	CB10	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mt Hamilton Road	NHMM	California,U.S.A.	38.1547N	121.8003W		From 1969-03-04
Mt Hamilton Road	CMHM	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mt. Morris Dam	MMNY	New York,U.S.A.	42.7319N	77.9066W	241	From 2008-05-01
Mt Rat	MRAT	South Australia,Australia	34.6300S	137.6254E	120	From 2007-02-01
Mts of Mourne	GMM	Northern Ireland,United Kingdom	54.2390N	5.9510W	140	From 1989-01-01
Mt St Catherine	MCG	Grenada	12.1600N	61.6610W	762	From 1977-07-01 to 1978-07-01
Mt Trumbull	U14A	Arizona,U.S.A.	36.4182N	113.1805W	1916	From 2007-02-18 to 2008-11-13
Mt Valcellina	MRVI	Italy	46.1600N	12.6533E		From 1977-08-03 to 1999-08-25
Muara Teweh, Kalimantan	MTKI	Kalimantan,Indonesia	0.9418S	114.8959E	114	From 2008-12-01
Mucha	TWA	Taiwan region	24.9803N	121.5837E	260	From 1972-08-29
Mudanjiang	MDJ	Jilin,China	44.6164N	129.5920E	250	
Mudanya-Bursa	MDNY	Turkey	40.3690N	28.8840E	110	From 2008-07-09
Mudaysisat	MDSJ	Jordan	31.6320N	36.2520E	970	From 1985-12-20
Mud Lake	MUDI	Idaho,U.S.A.	43.6189N	111.0770W	2124	From 1986-01-01 to 2005-03-26
Muduarah	MUDJ	Jordan	29.4220N	35.8200E	900	
Muduarah	MDRJ	Jordan	29.4420N	35.8200E	900	From 1990-04-26
Mudurnu	MDUB	Turkey	40.4711N	31.1976E	1108	From 2008-05-22
Mudurnu	MUT	Turkey	40.4647N	31.2119E	960	From 1979-01-01 to 1999-08-25
Mudurnu	MDU	Turkey	40.4653N	31.2145E	740	From 1995-12-21 to 2008-05-22
Mud Volcano	MVW	Wyoming,U.S.A.	44.6225N	110.4420W	2415	From 1972-10-01
Muggio	MUGIO	Switzerland	45.9219N	9.0417E	830	From 2002-01-24
Muharraq	BMU	Bahrain	26.2350N	50.6600E		
Muhayil	MOHS	Saudi Arabia	18.5761N	42.0190E	520	
Muhor-Tarhata, Altay Republic, Russia	SLNR	Altayskiy Kray	49.7770N	88.4670E	2057	From 2003-10-18
Muirshiel	PMSU	Scotland,United Kingdom	55.8459N	4.7452W	351	From 1990-01-01 to 1991-01-01
Mukachevo	MUKU	Ukraine	48.4536N	22.6874E	125	From 1996-08-14
Mukerian	MUK	Punjab,India	31.9500N	75.6167E		
Mula	EXMU	Spain	38.0390N	1.4940W	340	
Muldenberg	MULD	Sachsen,Germany	50.4117N	12.4040E	678	From 2007-12-20
Muleshoe	MSTX	Texas,U.S.A.	33.9696N	102.7724W	1167	From 2008-04-23
Mulino	G04A	Oregon,U.S.A.	45.2059N	122.4784W	272	From 2005-11-09 to 2008-11-12
Mullan	MUL	Idaho,U.S.A.	47.4617N	115.7820W	1300	From 1968-01-01
Mullinville	S31A	Kansas,U.S.A.	37.6193N	99.4845W	700	From 2009-04-14
Mull of Kintyre	GMK	Scotland,United Kingdom	55.3459N	5.5936W	160	From 1989-01-01
Multi FST (Faido)	MFSFB	Switzerland	46.5055N	8.8045E	441	From 2005-12-15
Multi FST (Faido)	MFSFA	Switzerland	46.5004N	8.8080E	427	From 2005-12-15
Mulungwishi	MLN	Congo (Kinshasa)	10.7833S	26.6250E	1200	From 1970-11-30 to 1976-12-31
Mummy Mountain	MMA	Arizona,U.S.A.	33.5544N	111.9580W	426	From 1971-05-17 to 1973-01-18
Munchique	MUNC	Colombia	2.4693N	76.9569W	3007	From 1994-01-01
Muncho Lake	MUB	British Columbia,Canada	58.9550N	125.7570W	1100	
Mundaring	MUN	Western Australia,Australia	31.9783S	116.2080E	253	From 1959-07-31 to 2008-04-21
Mungyeong	KSMUG	South Korea	36.6213N	128.1506E	170	From 2000-02-23 to 2006-12-30
Mungyeong	KSMGY	South Korea	36.6552N	128.0608E	209	From 2006-12-30
Munich	MNH	Bayern,Germany	48.1500N	11.6000E	528	From 1905-01-01 to 1943-12-31
Munster	MWG	Nordrhein-Westfalen,Germany	51.9627N	7.6241E	58	
Muntele Rosu	MLR	Romania	45.4909N	25.9450E	1360	
Muotathal	MUO	Switzerland	46.9676N	8.6371E	1920	From 1981-11-24
Murafatepe	MRFT	Turkey	40.5036N	33.4547E	1500	From 1992-01-01 to 1992-07-31
Muraz-Klaeranlage	SMUK	Switzerland	46.2863N	6.9406E	388	From 2006-04-03
Muraz-Reservoire	SMUR	Switzerland	46.2772N	6.9205E	480	From 2006-04-03
Murefte	MFT	Turkey	40.7867N	27.2812E	924	From 1978-10-01
Murgab	MUR	Tajikistan	38.3667N	73.9333E	3860	
Muro Lucano	MRLC	Italy	40.7564N	15.4889E	605	
Muroran	MRR	Iburi,Japan	42.3100N	140.9817E	43	From 1923-06-01
Muroran 2	MRRJ	Iburi,Japan	42.4250N	141.0720E	-15	
Murotomisaki	MRT	Kochi,Japan	33.2483N	134.1800E	186	
Muroto Misaki	MRMJ	Kochi,Japan	33.2444N	134.1805E	10	From 1995-05-31
Murotomisaki 2	MRT2	Kochi,Japan	33.3863N	134.1432E	200	From 1994-01-27
Murphy	MYNC	North Carolina,U.S.A.	35.0739N	84.1279W	550	
Murphy Dome	MDM	Alaska,U.S.A.	64.9588N	148.2300W	634	From 1990-02-16
Murphy's Point	MPPO	Ontario,Canada	44.7700N	76.2648W	143	
Murrieta	MURC	California,U.S.A.	33.6000N	117.2000W	562	From 2005-10-12
Murupara	MUGZ	North Island	38.4771S	176.7705E	337	From 2011-03-29
Murzuk	LUMB	Libya	26.1382N	14.7520E	474	
Musan	KSMUS	South Korea	37.8881N	126.7594E	40	From 2002-10-19
Mushullacta	MUSH	Ecuador	1.7147S	77.8392W	1010	From 1995-10-06
Musihges	OG34	Rhone-Alpes,France	46.0113N	5.9600E	445	From 2002-08-06
Muskinabad	MUS	Tajikistan	38.6833N	69.6000E		
Musomiste	MMB	Bulgaria	41.5892N	23.7278E	606	From 1983-08-01
Musselwhite Mine	MUMO	Ontario,Canada	52.6128N	90.3914W	316	
Musuan	BUKP	Mindanao,Philippines	7.8790N	125.0620E	471	
Mutare	MUZ	Zimbabwe	18.9950S	32.6267E	0	
Mutkov	MUTC	Czech Republic	49.7990N	17.2837E	614	
Mutnovka	MTVR	Kamchatskaya Oblast',Russia	52.4830N	158.1830E	1394	From 2008-12-23
Mutribah	MIB	Kuwait	29.8032N	47.3388E	125	
Muttenz-Waldhaus	SMZW	Switzerland	47.5476N	7.6473E	272	From 1996-12-13
Muzaffarabad	MUZF	Jammu and Kashmir	34.3600N	73.4900E	1165	From 2006-06-15
MW Ranch, Wilsonville	O30A	Nebraska,U.S.A.	40.1791N	100.0571W	751	From 2009-05-29
Myers Farm, Uniontown	E10A	Washington,U.S.A.	46.4850N	117.1102W	903	From 2006-09-28 to 2008-06-20
Myklebust	N2B2	Norway	61.7210N	5.1780E	25	
Myndd Eilian	WME	Wales,United Kingdom	53.3966N	4.3034W	130	From 1985-01-01
Myokensan	MYO	Osaka,Japan	34.9254N	135.4705E	640	
Myponga	MYP	South Australia,Australia	35.4436S	138.4162E	150	From 2006-04-01
Myrviken	MYV	Sweden	62.9417N	14.3467E	345	From 1981-12-15
Myrvik Farm, Edmore	B30A	North Dakota,U.S.A.	48.4505N	98.3286W	480	From 2009-08-18
Mys Kozlova	MKZ	Kamchatskaya Oblast',Russia	54.5561N	161.7300E		
Mys Shipunski	SPN	Kamchatskaya Oblast',Russia	53.0980N	160.0230E	170	
Mys Shultsa	MSHR	Primorskiy Kray	42.5800N	131.1570E	84	From 2008-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mzuzu	MZM	Malawi	11.4333S	34.0167E		
N23	N23	Nevada,U.S.A.	37.3013N	116.6160W	1838	
Naalehu	NAA	Hawaii,U.S.A.	19.0633N	155.5870W	205	From 1958-01-01 to 1969-01-01
Nabeyama	NABD	Kagoshima,Japan	31.4875N	130.7753E	340	
Nabire	NABI	Irian Jaya,Indonesia	3.3269S	135.2403E	0	
Naboro	NAF	Fiji	18.1203S	178.3008E	183	From 1979-10-01 to 1983-04-30
Naches	NAC	Washington,U.S.A.	46.7344N	120.8260W	738	
Nacogdoches	NATX	Texas,U.S.A.	31.7598N	94.6610W	168	
Naden	NDB	British Columbia,Canada	53.9550N	132.9420W	686	
Nadi	NDF	Fiji	17.7569S	177.4500E	30	From 1971-08-05
Nadzab	NADZ	Papua New Guinea	6.5778S	146.7130E	65	
Naegeli Ranch, Trout Creek	C12B	Montana,U.S.A.	47.7092N	115.4750W	801	From 2007-08-27 to 2009-08-02
NAFPAKTOS	NFP	Greece	38.4170N	21.8590E	280	From 2006-01-06
Nagahama	JNA	Ehime,Japan	33.5572N	132.4787E	230	
Nagai Island	NGI	Alaska,U.S.A.	55.0393N	160.0692W	240	
Nagai Island	NAGA	Alaska,U.S.A.	54.9783N	160.1383W	305	From 1996-07-01
Nagano	NGN	Nagano,Japan	36.6600N	138.1950E	419	
Nagara	JCN	Chiba,Japan	35.4183N	140.2017E	40	
Nagarjunasagar	NJS	Andhra Pradesh,India	16.5541N	79.3060E	189	From 2008-09-01
Nagasaki	NGS	Nagasaki,Japan	32.7317N	129.8700E	24	
Nagasakinomozaki	NGSJ	Nagasaki,Japan	32.6327N	129.7987E	20	From 1992-04-25
Nagatsuro	NGT	Shizuoka,Japan	34.6000N	138.8470E	55	
Na-gawa	NGJ	Nagano,Japan	36.1330N	137.7208E	858	
Nageezi	U21A	New Mexico,U.S.A.	36.4277N	107.6578W	2124	From 2008-05-23 to 2010-02-07
Nago	NGO1	Ryukyu Islands,Japan	26.5900N	127.9683E	6	From 1987-07-01
Nago	NAGO	Ryukyu Islands,Japan	26.0000N	128.1000E		
Nago	NGO	Ryukyu Islands,Japan	26.5950N	127.9730E	7	From 1974-07-01
Nagotoyohara	JNTH	Ryukyu Islands,Japan	26.5185N	128.0222E	46	From 2010-02-01
Nagoya	NAG	Aichi,Japan	35.1650N	136.9680E	56	
Nagpur	NGP	Maharashtra,India	21.1500N	79.0500E	311	
Nagua	NADR	Dominican Republic	19.3541N	69.8561W	4	From 2010-01-30
Nagutskaya	NAGR	Stavropol'skiy Kray,Russia	44.4472N	42.7614E	580	
Naha	NAH	Ryukyu Islands,Japan	26.2167N	127.6833E	11	
Naha	NAH1	Ryukyu Islands,Japan	26.2033N	127.6900E	21	From 1987-02-01
Nahal Hemdat	HMDT	Israel	32.2530N	35.5260E	151	From 1991-05-01
Nahampoana Res	FOMA	Madagascar	24.9756S	46.9788E	26	From 2008-09-01
Nahan	NHN	Himachal Pradesh,India	30.5269N	77.2712E	610	From 2007-05-01
NAHD	NAHD	Egypt	23.8022N	32.7781E	219	
Na'in	NASN	Iran	32.7990N	52.8080E	2800	From 1998-03-28
Nairobi	NAKO	Kenya	1.2739S	36.8037E	1692	
Nairobi	NAI	Kenya	1.2739S	36.8037E	1692	From 1963-06-14
NAIROBI INFRASONIC ARRAY REFERENCE POINT	I32KE	Kenya	1.2422S	36.8272E	1662	From 2003-06-17
Najran	NAJS	Saudi Arabia	17.5034N	44.2847E	1310	
Naju	KSNAJ	South Korea	35.0261N	127.9264E	68	From 2006-12-30
Nakaizu	JIZ	Yamanashi,Japan	34.9129N	138.9968E	263	
Na'kalak'ari	NKK	Georgia	41.9300N	45.0200E	1000	
Nakama	JJN	Niigata,Japan	37.1030N	138.1630E	140	
Nakano	NNJ	Nagano,Japan	36.7486N	138.3850E	420	From 1968-07-01 to 1973-03-31
Nakanohara	NKR	Hiroshima,Japan	34.9419N	132.8240E	391	From 1970-12-18
Nakanosawa	NSW	Nagano,Japan	36.4006N	138.5697E	1381	
Nakanoshima	JNN	Ryukyu Islands,Japan	29.8412N	129.8747E	240	
Nakash	JNK	Nemuro,Japan	43.5853N	144.7190E	220	
Nakatsue	JNU	Oita,Japan	33.1217N	130.8783E	540	
Nakayama Pass	NKS	Shiribeshi,Japan	42.8295N	141.0160E	420	From 1977-11-10 to 1978-08-20
Nake	NKE	Ryukyu Islands,Japan	28.3833N	129.5000E		
Nake (Tuamotu)	NAE	Tuamotu,French Polynesia	18.4236S	140.6690W	2	From 1976-01-01
Nakhchivan	NAX	Azerbaijan	39.1740N	45.4950E	927	From 2003-08-01
Nakhl	HNKL	Egypt	29.9293N	33.9804E	438	
Nakhla	NKM	Morocco	35.4481N	5.4100W	158	From 1973-10-01
Nakhon Sawan	NST	Thailand	15.6727N	100.1330E	34	From 1982-09-01
Nakina Ontario	NANO	Ontario,Canada	50.3543N	86.9684W	309	From 2005-08-04
Nakonayok	NAYO	Thailand	14.3152N	101.3209E	106	
Nakonsritamarat	SRIT	Thailand	8.5955N	99.6020E	58	
Nakornpanom	PANO	Thailand	17.1476N	104.6122E	135	
Nalchik	NCK	Russia	43.4955N	43.5956E	500	From 2006-07-24
Nalgonda	NLG	Andhra Pradesh,India	17.0669N	79.2672E	220	From 1974-04-01
Nallihan	NAL	Turkey	40.2094N	31.3092E	1390	From 1991-01-01 to 1998-09-30
Nalytchevo	NLC	Kamchatskaya Oblast',Russia	53.1711N	159.3450E	20	
Namangan	NAM	Uzbekistan	40.9833N	71.6667E	419	
Namatanai	NAMA	Papua New Guinea	3.6653S	152.4416E	5	From 1997-10-24
Namhae	KSNAH	South Korea	34.8166N	127.9264E	40	From 2002-10-31
Namlea	NLAI	Ambon,Indonesia	3.2390S	127.0998E	0	From 2007-12-01
Namosi	NMS	Fiji	18.0842S	178.1650E	534	From 1979-10-01
Nampula	NPA	Mozambique	15.0875S	39.2533E	374	From 1974-02-10
Namsos	NSS	Norway	64.5300N	11.9670E	102	From 1987-02-01
Namu Road	NMEZ	North Island,New Zealand	39.4132S	173.8775E	119	From 2009-04-02
Namwon	KSNAW	South Korea	35.4014N	127.3344E	89	From 2000-02-07
Nan	NANT	Thailand	18.8000N	100.7000E	264	From 1995-06-01
Nana	NNA	Peru	11.9873S	76.8422W	575	
Nanahuazin	NANS	El Salvador	13.7150N	89.5092W	1160	
Nanaimo	NAB	British Columbia,Canada	49.2225N	124.0040W	256	From 1982-03-23 to 2004-04-03
Nanaimo Lost Lake,BC	NLLB	British Columbia,Canada	49.2274N	123.9881W	192	From 2003-12-30
Nanau	ENA	Taiwan region	24.4280N	121.7410E	113	
Nango	JANG	Aomori,Japan	40.3735N	141.5152E	270	
Nanjing	NJ2	Jiangsu,China	32.0517N	118.8540E	45	
Nanjing	NJI	Jiangsu,China	32.0633N	118.7830E	10	
Nanjing	NAN	Jiangsu,China	32.0633N	118.7830E	10	
Nanjuang	NSTT	Taiwan region	24.6310N	121.0010E	164	
Nankipoo	NKT	Tennessee,U.S.A.	35.8500N	89.5540W	153	From 1974-06-26 to 1992-02-29
Nanoose	GHNB	British Columbia,Canada	49.3065N	124.2364W	5	From 2004-11-22
Nan Shan	NNS	Taiwan region	24.4400N	121.3730E	1140	
Nanshi	CHN1	Taiwan region	23.1850N	120.5280E	360	
Nantucket	NMA	Massachusetts,U.S.A.	41.2947N	70.0261W	3	
Nanutarra	NAU	Western Australia,Australia	22.5442S	115.5000E	80	From 1980-04-19 to 1987-10-21
Nanutarra	NANU	Western Australia,Australia	22.5619S	115.5290E	80	From 1987-10-22 to 1995-02-28
Napay	NAP	Uzbekistan	41.7167N	70.1167E		
Napfberg	NAPF	Bayern,Germany	49.8887N	12.0517E	695	
Napier	NPR	North Island,New Zealand	39.5000S	176.9170E	10	From 1953-01-01 to 1955-12-31
Naples	NPL	Italy	40.8467N	14.2578E	7	
Napoleon	E29A	North Dakota,U.S.A.	46.5682N	99.6420W	628	From 2009-08-19
Napperby	NAPP	South Australia,Australia	33.1828S	138.1478E	181	From 2009-01-01
Naqoura	NAQL	Lebanon	33.1170N	35.1410E	83	From 2008-07-01
Nara	NAR	Nara,Japan	34.6917N	135.8317E	105	
Nara (Leontica)	NARA	Switzerland	46.4603N	8.8981E	1450	From 2005-12-15
Naramoto	NRME	Shizuoka,Japan	34.8266N	139.0645E	200	
Nardaran	NDR	Azerbaijan	40.5810N	49.9870E	41	From 2003-08-01
Nardues-Aldunate	YNAR	Spain	42.6375N	1.3672W	740	From 2009-12-11
Nariel	NARM	New South Wales,Australia	36.4302S	147.8448E	550	
Narlikuyu	NART	Turkey	36.4510N	34.1030E	100	From 1993-01-01
Naroch	NACGM	Belarus	54.9000N	26.7800E	189	From 1979-08-17
Naroch'	NE53	Belarus	54.9040N	26.7930E	189	From 1989-10-01
Narrogin	NWA	Western Australia,Australia	32.9270S	117.2340E	365	From 1976-02-13 to 2006-05-29
Narrogin (SRO)	NWAO	Western Australia,Australia	32.9270S	117.2340E	265	From 1976-02-13
Narrow River	NWR	Idaho,U.S.A.	42.0987N	113.4367W	1646	
Narrows	NAV	Virginia,U.S.A.	37.3167N	80.7931W	610	From 1968-01-01 to 2004-09-30
Narsarsuaq	NRS	Greenland	61.1595N	45.4188W	65	
Naryn	NRN	Kyrgyzstan	41.4333N	76.0000E	2849	
Nasa	NAS2	Ecuador	0.6453S	78.4683W	4022	From 2007-08-15
Nasa	NAS1	Ecuador	0.6335S	78.4775W	3880	From 1993-11-24
Nasa Cotopaxi	NCE	Ecuador	0.6611S	78.4972W	3821	From 1977-01-01 to 1982-12-31
Nasa Mountain	NMN	Nevada,U.S.A.	37.0808N	116.8181W	1500	From 1978-11-28
Nasaqa	NAS	Fiji	16.5367S	179.2967E	85	From 1964-01-01 to 1969-12-31
Nassriya	NSR	Iraq	31.0100N	46.1400E	5	From 2009-01-01
Nastanj	TNSJ	Iran	33.9633N	56.6089E	1123	From 2011-08-01
Nasudden	NSD	Sweden	65.1955N	18.8235E		From 1991-01-01
Natal	NAT	Rio Grande do Norte,Brazil	5.8678S	35.2845W	50	
Natashquan Quebec	NATG	Gulf of St. Lawrence	50.2872N	62.8102W	-1	From 2005-11-26
Natchez Trace	NATN	Tennessee,U.S.A.	35.8560N	88.2400W	198	From 1985-03-27 to 1987-05-06
Natchez Trace	NAIN	Tennessee,U.S.A.	35.8560N	88.2400W	198	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Nathian	NTP	Pakistan	34.3272N	72.3858E	686	
National Central University	NCU	Taiwan region	24.9700N	121.1870E	134	
National Guard	NGH	Hawaii,U.S.A.	19.7020N	155.0290W	18	
National Taiwan Ocean University, Keelung City	TNOU	Taiwan region	25.1500N	121.7730E	50	From 1999-08-04
Natividade	NATB	Brazil	21.0550S	42.0040W		
Natroun	HNAT	Egypt	29.6329N	30.6172E	270	
Nattai	NATM	New South Wales,Australia	34.2061S	150.4267E	632	
Natural Bridge	YNB	Wyoming,U.S.A.	44.5245N	110.4590W	2390	
Natural Resources Authority	JSOJ	Jordan	31.9570N	35.8460E	926	
Naumai	NMHZ	North Island,New Zealand	39.0988S	176.8063E	864	From 2008-04-07
Nausori Highlands	NHF	Fiji	17.8083S	177.5967E	518	From 1964-01-01 to 1969-12-31
Navajo Lake	T21A	New Mexico,U.S.A.	36.9914N	107.5342W	2006	From 2008-05-24 to 2010-02-07
Navajo Res., Navajo Mountain	T17A	Arizona,U.S.A.	36.9969N	110.8041W	1876	From 2007-07-30 to 2009-03-04
Navarro Ridge	GNAM	California,U.S.A.	39.1975N	123.6310W	344	
Navidad	NAVD	Valparaiso,Chile	33.9508S	71.8328W	16	
Naxcivan	NAK	Azerbaijan	39.2050N	45.4150E	887	From 1951-01-01
Naze	NZJ	Ryukyu Islands,Japan	28.3767N	129.4980E	4	From 1973-04-01
Nazlini	NL-AZ	Arizona,U.S.A.	35.9014N	109.5694W	1768	From 1964-03-31 to 1965-01-25
Nazlini	NL2	Arizona,U.S.A.	35.8069N	109.6290W	1920	From 1965-02-10 to 1965-10-04
Nazlini	NL2AZ	Arizona,U.S.A.	35.8069N	109.6286W	1920	
Nazlini	NL-	Arizona,U.S.A.	35.9014N	109.5694W	1768	From 1964-03-31 to 1965-01-25
Nazwa, Dubai	NAZ	United Arab Emirates	24.9884N	55.6618E	199	From 2006-05-24
Neah Bay	NBW	Washington,U.S.A.	48.4000N	124.7000W		
Neapolis	NPS	Crete,Greece	35.2625N	25.6125E	370	From 1973-07-01
Near Bada	BODY	Saudi Arabia	28.3560N	35.1320E		
Near Lassiter	DY5	Tennessee,U.S.A.	36.3247N	89.3621W	134	From 1970-01-01 to 1972-12-31
Near Potsdam	CHIP	New York,U.S.A.	44.7980N	75.1950W	97	
Near Sharaf	MATS	Saudi Arabia	28.7140N	35.0800E		From 1993-07-01 to 1999-08-25
N¨bias	FNEB	Midi-Pyrenees,France	42.9042N	2.1079E	578	From 2007-07-01
Nebitdag	NBD	Turkmenistan	39.5100N	54.3830E	15	
Nectar Brook	NBK	South Australia,Australia	32.7010S	137.9830E	180	
Nedlands	NDA	Western Australia,Australia	31.9750S	115.8170E	8	
Needles	ND-	California,U.S.A.	34.5992N	115.5514W	366	From 1963-04-17 to 1963-06-07
Needles	ND-CL	California,U.S.A.	34.5992N	115.5514W	366	From 1963-04-17 to 1963-06-07
Needles	NEE	California,U.S.A.	34.8248N	114.5994W	139	From 1993-04-16 to 2006-07-27
Needles Airport, Needles	NEE2	California,U.S.A.	34.7676N	114.6188W	271	From 2006-07-27
Neeritter	NEER	Netherlands	51.1687N	5.7846E	30	From 2006-01-27
Negara	NBBI	Bali,Indonesia	8.3700S	114.6200E	0	
Negar Kerman	NGRK	Iran	29.6440N	56.7304E	3123	From 2010-05-05
Neginohata	NGHE	Shizuoka,Japan	34.8122N	138.8281E	160	
Negril	NEJ	Jamaica	18.2510N	78.3300W	200	From 2002-04-17
Neicheng	TWE	Taiwan region	24.7211N	121.6670E	20	From 1975-07-18
Neifu	TWZ	Taiwan region	25.0970N	121.5790E	280	From 1975-01-18 to 1983-11-11
Neilton Lookout	NLWA	Washington,U.S.A.	47.3917N	123.8691W	640	
Neipperg	NEI	Baden-Wurttemberg,Germany	49.1083N	9.0417E	268	
Nelchina	NCA	Alaska,U.S.A.	61.9937N	146.8240W	741	From 1986-07-17
Nelson	V12A	Nevada,U.S.A.	35.7266N	114.8511W	1098	From 2006-06-19 to 2008-10-16
Nelson	NEN	Nevada,U.S.A.	35.6495N	114.8433W	1326	
Nelson	NEL	Nevada,U.S.A.	35.7122N	114.8433W	999	From 1963-10-01 to 1981-12-31
Nelson	NNZ	South Island,New Zealand	41.2188S	173.3794E	145	From 2003-08-12
Nelson Butte	NLW	Washington,U.S.A.	48.0783N	120.3380W	1490	From 1985-05-01
Nelyaty	NLYR	Chitinskaya Oblast',Russia	56.4911N	115.7031E	596	
Nelyaty	NLY	Buryatiya,Russia	56.5036N	115.7022E	596	From 1979-04-01 to 2001-11-28
Nemaska	NEMQ	Quebec,Canada	51.6837N	76.2576W	197	From 2007-08-27
Nemaska Station	NMSQ	Quebec,Canada	51.7133N	76.0237W	275	From 2009-09-12
Nemuro	NEM	Nemuro,Japan	43.3283N	145.5900E	26	
Nemuro 2	NEM2	Nemuro,Japan	43.3650N	145.7430E	16	From 1992-12-16
Nemuro--Hokkaido University	NMR	Nemuro,Japan	43.3695N	145.7280E	20	
Nenana	NEA	Alaska,U.S.A.	64.5772N	149.0770W	364	From 1971-10-01
Neno	NENM1	Malawi	15.3971S	34.6531E	864	From 2011-04-29
Neochorion	VNE	Greece	39.3119N	23.2322E	692	From 1982-10-01
Neokhori	NEO	Greece	39.3067N	23.2235E	500	From 1988-01-01
NEPTUNE Canada Endeavour node	NCEN	British Columbia,Canada	47.9399N	129.0600W	-2324	From 2009-01-01
NEPTUNE Canada Endeavour West	KEBB	British Columbia,Canada	47.9594N	129.1254W	-2201	From 2009-09-01
NEPTUNE Canada High Rise	NCHR	British Columbia,Canada	47.9741N	129.0819W	-2150	From 2009-01-01
NEPTUNE Canada Main Field	KEMF	British Columbia,Canada	47.9485N	129.0987W	-2205	From 2009-01-01
NEPTUNE Canada Mothra	KEMO	British Columbia,Canada	47.9241N	129.1082W	-2270	From 2009-01-01
Nerja	ANER	Spain	36.7623N	3.8453W	170	
Nerungri	NRGR	Sakha,Russia	56.6570N	124.7230E	840	From 2001-11-01
Neskantaga (Lansdowne House)First Nations Ontario	NSKO	Ontario,Canada	52.1965N	87.9305W	241	From 2005-07-29
Nestorio	NEST	Greece	40.4147N	21.0489E	1056	From 2008-06-30
Neuchatel	NEC	Switzerland	47.0063N	6.9487E	600	From 1980-06-01 to 1996-01-19
Neuchatel	NEU	Switzerland	46.9973N	6.9573E	487	From 1911-01-01 to 1999-08-25
Neuenburg	NEUB	Sachsen-Anhalt,Germany	51.2083N	11.7752E	200	From 2003-08-21
Neuhaus	RNHA	Bayern,Germany	47.8060N	12.8190E	855	From 2001-05-22
Neumayer	VNA	Dronning Maud Land	70.5997S	8.3622W	40	
Neumayer Olymp	VNA3	Dronning Maud Land	71.2428S	9.6687W	480	
Neumayer--Station	VNA1	Dronning Maud Land	70.6503S	8.2624W	40	From 1992-03-01
Neumayer--Watzmann	VNA2	Dronning Maud Land	70.9252S	7.3927W	350	
Neuquen (mine)	NEUQ	Chile	20.1722S	70.0732W	1043	From 2009-05-17
Nevada Test Site	NT-NV	Nevada,U.S.A.	37.2758N	116.4183W	1987	
Nevada Test Site	NT2NV	Nevada,U.S.A.	37.2533N	116.2858W	2185	
Nevada Test Site Array	NTA	Nevada,U.S.A.	37.2783N	116.4370W	1996	
Nevado Cumbal	CUMC	Colombia	0.9607N	77.8723W	3950	From 1989-01-01
Nevel'sk	NEVR	Sakhalinskaya Oblast'	46.6760N	141.8580E	24	From 2008-10-10
Neviano degli Arduini - PR	RE01	Italy	44.5810N	10.3129E	522	From 2008-12-27 to 2009-02-12
Nevis Range	KNR1	Scotland,United Kingdom	56.8219N	4.9714W	1147	From 1991-01-01
Nevrokopi	NVR	Greece	41.3500N	23.8619E	595	From 1997-01-01
Nevsehir-Avanos	AVNS	Turkey	38.8065N	34.8474E	1213	From 2010-12-17
NEVSHA	NEF	Bulgaria	43.2643N	27.2752E	350	From 2007-06-01
New Abbey	BNA	Scotland,United Kingdom	54.9658N	3.6242W	28	
New Alisa	ANAL	Egypt	23.4100N	32.6780E		
Newall Road	NWEZ	North Island,New Zealand	39.2750S	173.8667E	230	
New Almaden Mine	JNAM	California,U.S.A.	37.1770N	121.8450W	512	
Newark	NED	Delaware,U.S.A.	39.7042N	75.7047W	47	From 1970-11-19
Newberry Crater	NCOR	Oregon,U.S.A.	43.7040N	121.1380W	1908	From 1987-09-01
Newby Ranch, Pratt	S32A	Kansas,U.S.A.	37.7001N	98.9363W	558	From 2009-10-11
Newcastle	P21A	Colorado,U.S.A.	39.5240N	107.4493W	2097	From 2007-12-12
Newcastle	NWL	Natal,South Africa	27.7207S	29.9532E	1332	
New Castle	NCJ	Jamaica	18.0750N	76.7190W	1142	
Newcastle Ridge	NCRB	British Columbia,Canada	50.4035N	126.0553W	1293	
Newcomb	U20A	New Mexico,U.S.A.	36.3758N	108.5204W	1682	From 2008-02-19
Newcomb	NCB	New York,U.S.A.	43.9708N	74.2236W	500	
Newdale	I16A	Idaho,U.S.A.	43.8756N	111.4868W	1744	From 2007-08-15 to 2009-09-17
New Delhi	NDI	Delhi,India	28.6833N	77.2167E	230	From 1960-10-01
Newell	G25A	South Dakota,U.S.A.	45.1935N	103.4173W	894	From 2009-07-10
New Goldendale	GL2	Washington,U.S.A.	45.9597N	120.8230W	1000	
New Haven	NHIL	Illinois,U.S.A.	37.9269N	88.1708W	134	
New Haven	NHC	Connecticut,U.S.A.	41.3167N	72.9000W	11	From 1925-01-01 to 1999-08-25
New Hogan Reservoir	MNHM	California,U.S.A.	38.1458N	120.8140W	219	From 1977-03-01
New Hope	NHSC	South Carolina,U.S.A.	33.1067N	80.1778W	11	
New Kensington	NKP	Pennsylvania,U.S.A.	40.5597N	79.7542W	251	From 1939-01-01 to 1959-12-31
New Madrid	NMM	Missouri,U.S.A.	36.5910N	89.5282W		From 1967-11-01 to 1969-11-30
New Madrid	NMD	Missouri,U.S.A.	36.5750N	89.4819W	92	
New Madrid	NMMO	Missouri,U.S.A.	36.5880N	89.5520W	90	
New Madrid Sch	NMEM	Missouri,U.S.A.	36.5740N	89.5850W	0	
New Mexico Highlands	NMH	New Mexico,U.S.A.	35.6042N	105.1700W	2026	From 1977-10-15
New Orleans	NOL	Louisiana,U.S.A.	29.9483N	90.1200W	2	From 1910-01-01
New Plymouth	NPZ	North Island,New Zealand	39.0667S	174.0730E	34	From 1931-08-01 to 1958-12-31
Newport	NEW	Washington,U.S.A.	48.2642N	117.1227W	760	From 1966-06-01
Newport DOGAMI SMO	NEWO	Oregon,U.S.A.	44.6243N	124.0461W	2	From 2008-02-14
NEWPORT INFRASONIC ARRAY REFERENCE POINT	I56US	Washington	48.2641N	117.1257W	763	From 2005-07-13
New Reactor	NPRI	Idaho,U.S.A.	43.5975N	112.8270W	1513	From 1990-08-14
New River	NW2	California,U.S.A.	33.0905N	115.6920W	-68	From 1976-12-01
New Salem	NSLM	Texas,U.S.A.	31.9750N	94.9580W		
New Underwood	I26A	South Dakota,U.S.A.	44.0309N	102.8596W	971	From 2009-06-18
Neytrino	NEY	Russia	43.2489N	42.7222E	1715	From 2008-12-05
Ngariki Road	NRZ	North Island,New Zealand	39.3375S	173.9330E	250	From 1991-02-01
Ngau Island	GAU	Fiji	18.0817S	179.3296E	286	From 1978-05-01 to 1999-08-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ngauruhoe	NGZ	North Island,New Zealand	39.1769S	175.6010E	1430	From 1976-07-01
Ngawi	NGJI	Jawa,Indonesia	7.3676S	111.4612E	0	From 2007-12-01
NGMR	NGMR	Egypt	23.5217N	32.4074E	207	
Ngoundere	NGC	Cameroon	7.2617N	13.5683E	1100	From 1982-02-01
Nha Trang	NTV	Vietnam	12.2667N	109.1943E	5	
Nha-Trang	NHA	Vietnam	12.2100N	109.2120E	5	From 1957-06-01
Nhimo	NHIM	Xizang Zizhiqu,China	29.4336N	90.1643E	3822	From 2004-06-18
Niagara	NG-	Wisconsin,U.S.A.	45.7575N	88.1492W	396	From 1961-11-19 to 1963-06-14
Niagara	NG-WS	Wisconsin,U.S.A.	45.7575N	88.1492W	396	From 1961-11-19 to 1963-06-14
Nian	NIAN	Iran	27.5596N	56.8349E	248	From 2010-04-30
Nibetsu	NIB	Akita,Japan	39.8033N	140.2683E	243	
Nice - Cite Administrative des Alpes-Maritimes	NCAD	Provence-Cote d'Azur	43.6710N	7.2000E	5	From 2002-04-26
Nice, Eglise du Port	NPOR	Provence-Cote d'Azur	43.7000N	7.2860E	5	From 1990-01-01
Nice, Jardin Alsace-Lorraine	NALS	Provence-Cote d'Azur	43.6990N	7.2580E	6	From 1998-05-07
Nice, Liberation	NLIB	Provence-Cote d'Azur	43.7100N	7.2640E	18	From 1998-05-07
Nice, Mont Boron	NBOR	Provence-Cote d'Azur	43.6910N	7.3020E	191	From 1990-01-01
Nice, Saint-Roch	NROC	Provence-Cote d'Azur	43.7160N	7.2930E	22	From 1998-05-07
Nichawak Mountain	NICHA	Alaska,U.S.A.	60.2366N	143.9672W	507	
Nicholson Point	NPT	Northwest Territories,Canada	69.9272N	128.9630W	60	From 1981-08-08
Nicolai Mountain	NLO	Oregon,U.S.A.	46.0883N	123.4500W	900	
Nicolau / Grandola	PNCL	Portugal	38.1118N	8.5289W	120	From 2008-09-26
Nicolosi	ENIC	Italy	37.6314N	15.0216E	882	From 2006-03-08
Nicolosi	ENLS	Sicily,Italy	37.6060N	15.0243E	666	From 2002-10-01
Nicolosi	ENCS	Sicily,Italy	37.6390N	15.0050E	958	From 1994-10-01
Nicosia	NIC	Cyprus	35.1564N	33.3450E	166	
NICOSIA -NORTH CYPRUS	CMET	Cyprus	35.1960N	33.3630E	134	From 2006-10-17
Nicoya	AR8	Costa Rica	10.1925N	85.5206W	511	
Niedersach Riedel	NRDL	Niedersachsen,Germany	52.4943N	10.1073E	-355	
Niedzica	NIE	Poland	49.4189N	20.3131E	649	
Nigde	BSTP	Turkey	37.9508N	34.1100E	1318	From 2005-02-25
Nigde	NIG	Turkey	38.1100N	34.6100E	2291	
Niigata	NII	Niigata,Japan	37.9100N	139.0520E	3	
Niigata 2	NIIJ	Niigata,Japan	37.2400N	139.0020E	31	From 1978-01-01
Niihama	NHM	Ehime,Japan	33.9500N	133.2500E		
Nii jima	NJJ	Bonin Islands,Japan	34.3667N	139.2500E	50	
Nii jima 2	NJJJ	Bonin Islands,Japan	34.4020N	139.2830E	180	From 1988-01-01
Niijimaoohara	JNIO	Japan	34.3560N	139.2742E	57	From 2010-02-01
Nijar	ENIJ	Spain	36.9717N	2.2069W	440	From 1985-04-01
Nikishka	NKA	Alaska,U.S.A.	60.7431N	151.2380W	100	From 1971-09-10
Nikkaluokta	NIKU	Sweden	67.8673N	19.0347E	300	From 2003-08-24
Nikolaevsk School	NHSA	Alaska,U.S.A.	59.8111N	151.6127W	256	
Nikolayevsk	NKL	Khabarovskiy Kray,Russia	53.1500N	140.6800E	15	
Nikolski	NKI	Alaska,U.S.A.	52.9426N	168.8570W	8	
Nikolski	NIKO	Alaska,U.S.A.	52.9738N	168.8539W	8	
Nikolski	NIK	Alaska,U.S.A.	52.9743N	168.8530W	207	From 1971-05-17
Nikolski High Hill	NIKH	Alaska,U.S.A.	52.9731N	168.8530W	199	
Niksic	NKME	Montenegro	42.7670N	18.9530E	688	From 2009-06-04
Niksic	NKY	Montenegro	42.8130N	18.9932E	1142	From 1983-12-25
Niles Canyon	CNIC	California,U.S.A.	37.6079N	121.9646W	393	
Nilore	NIL	Pakistan	33.6500N	73.2517E	536	From 1994-12-19
Nine Bar Ranch, Gage	U31A	Oklahoma,U.S.A.	36.3695N	99.8508W	725	From 2009-04-07
Nine Mile Canyon	WNMM	California,U.S.A.	35.8428N	117.9048W		
Nine Mile Canyon	NMC	California,U.S.A.	35.8428N	117.9048W	951	
Ninemile Creek	NCM	Montana,U.S.A.	47.1802N	114.5660W	1183	From 1983-06-15
Ninemile Divide	NDMT	Montana,U.S.A.	47.2690N	114.7988W	1917	
Nine Sixteen Ranch, Cliff	Z20A	New Mexico,U.S.A.	33.1132N	108.5922W	1547	From 2008-02-20
Ninganchiao	NACB	Taiwan region	24.1738N	121.5947E	130	
Niniconang	NINI	Sulawesi,Indonesia	4.4225S	119.7560E	1463	
Ninilchik	NNL	Alaska,U.S.A.	60.0422N	151.2960W	366	From 1972-08-24
Ninilchik One	NIN	Alaska,U.S.A.	60.0111N	151.5360W	110	From 1971-08-28 to 1972-08-24
Ninotsminda	NTS	Georgia	41.7410N	45.2865E	915	From 2003-01-01
Niobrara River	NR-	Nebraska,U.S.A.	42.8197N	101.7011W	975	
Niobrara River	NR-NB	Nebraska,U.S.A.	42.8197N	101.7011W	975	
Nioudou	ENTT	Taiwan region	24.6400N	121.5660E	280	
Nirayama	NRY	Shizuoka,Japan	35.0599N	138.9628E	-91	
Nirehara	NRJ	Toyama,Japan	36.5133N	137.2384E	220	
Nishiizu	NSI	Shizuoka,Japan	34.7870N	138.8040E	-422	
Nishinai	K01	Iwate,Japan	39.3989N	141.6053E	431	
Nisiros	NISR	Greece	36.6117N	27.1283E	48	
Nisos Aigina	NAIG	Greece	37.7585N	23.4887E	221	
Nisos Salamina	NSAL	Greece	37.9066N	23.4633E	190	
Nissan Island	NIS	New Britain,Papua New Guinea	4.5300S	154.2383E	10	From 1971-08-01
Nisyros Isl.	NIS3	Greece	36.5742N	27.1557E	271	From 2009-03-23
Nisyros Isl.	NIS2	Greece	36.5780N	27.1808E	400	From 2009-03-23
Nisyros Isl.	NIS1	Greece	36.6023N	27.1782E	378	From 2008-05-24
Nisyros Isl.	NIS4	Greece	36.6717N	27.1314E	0	From 2009-03-23
Niue	NUE	Cook Islands	19.0764S	169.9280W	56	From 1973-04-15
Niue	NIUE	Australasia	19.0763S	169.9272W	108	From 2007-09-20
Niukaw	JGN	Gifu,Japan	36.2232N	137.3153E	775	
Niumate	NIU	Tonga	21.1600S	175.2900W	15	
Nizh Angarsk	NIZ	Buryatiya,Russia	55.7750N	109.5411E	487	
N'lazarevskaya	NVL	Dronning Maud Land	70.7667S	11.8333E	107	
NNAL	NNAL	Egypt	23.2931N	32.6645E	233	
No. 579 Westminster Ave.	OTWM	Ontario,Canada	45.3824N	75.7628W	69	From 2001-11-08
NOAA--Sand Point	NOWS	Washington,U.S.A.	47.6867N	122.2559W	2	
Noah's Angus Ranch, Cambridge	H10A	Idaho,U.S.A.	44.5890N	116.7474W	882	From 2006-10-28 to 2008-07-09
Nobeoka	NOB	Miyazaki,Japan	32.5783N	131.6600E	20	
Noboribetsu	JNB	Iburi,Japan	42.4687N	141.0383E	110	
Noci	NOCI	Italy	40.7888N	17.0644E	420	From 2005-08-03
Nodinka Narrows	NODN	Northwest Territories,Canada	63.9607N	110.9601W	435	
Noerdlinger Ries-Bissingen	NORI	Bayern,Germany	48.7203N	10.6250E	492	From 2003-06-10
Nojiri	NOJ	Kagoshima,Japan	31.5586N	130.6386E	150	
Nola	NL9	Italy	40.9205N	14.5450E	75	From 1992-01-01
Nome	ANM	Alaska,U.S.A.	64.5655N	165.3720W	330	
Nome	NOM	Alaska,U.S.A.	64.5617N	165.3870W		
Nongkai	NONG	Thailand	18.0635N	103.1457E	140	
Nongplab	NNT	Thailand	12.5898N	99.7338E	106	From 1982-11-01
Nongstoin	NGNA	Meghalaya,India	25.5217N	91.2720E		
Nonn-Bad Reichenhall	RNON	Bayern,Germany	47.7405N	12.8671E	555	From 2000-05-24
Nono	NONO	Ecuador	0.0557S	78.5780W	2972	
Nonsavu	MSVF	Fiji	17.7333S	178.0500E	783	From 1994-05-24
Nopah Range	NOP	California,U.S.A.	36.1271N	116.1522W	983	From 1978-07-24 to 2002-12-10
Nora	NRAU	Sweden	59.5704N	15.0401E	150	From 2002-01-29
Noranda	NRMS	Missouri,U.S.A.	36.4870N	89.5880W	88	
Nor Artik	NARZ	Armenia	40.4650N	43.7160E	1550	
Norcasia	NORC	Colombia	5.5964N	74.8929W	508	
Norcia	NRCA	Italy	42.8336N	13.1143E	927	
Nord	NOR	Greenland	81.6000N	16.6833W	36	From 1957-01-01 to 1972-04-22
Norderasen	NOD	Sweden	63.4428N	14.8573E	450	
Nord Galaele Koma	BEAD	Djibouti	11.5715N	42.5277E	10	From 1987-01-01
Nordlingen	NRD	Bayern,Germany	48.8500N	10.4833E	432	From 1912-01-01 to 1931-12-31
Nordman	NTI	Idaho,U.S.A.	48.6300N	116.9630W	823	From 1967-08-27 to 1975-12-08
Nordsjona	N1R3	Norway	66.3370N	13.4060E	68	
NORESS Array Beam Reference Point	NORES	Norway	60.7353N	11.5414E	302	
NORESS Array Site A0	NRA0	Norway	60.7353N	11.5414E	302	From 1984-10-01 to 2002-06-11
NORESS Array Site A1	NRA1	Norway	60.7366N	11.5423E	291	From 1984-10-01 to 2002-06-11
NORESS Array Site A2	NRA2	Norway	60.7343N	11.5434E	311	From 1984-10-01 to 2002-06-11
NORESS Array Site A3	NRA3	Norway	60.7350N	11.5387E	296	From 1984-10-01 to 2002-06-11
NORESS Array Site B1	NRB1	Norway	60.7381N	11.5426E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site B2	NRB2	Norway	60.7355N	11.5475E	315	From 1984-10-01 to 2002-06-11
NORESS Array Site B3	NRB3	Norway	60.7326N	11.5440E	314	From 1984-10-01 to 2002-06-11
NORESS Array Site B4	NRB4	Norway	60.7333N	11.5372E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site B5	NRB5	Norway	60.7367N	11.5364E	289	From 1984-10-01 to 2002-06-11
NORESS Array Site C1	NRC1	Norway	60.7414N	11.5434E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site C2	NRC2	Norway	60.7383N	11.5525E	339	From 1984-10-01 to 2002-06-11
NORESS Array Site C3	NRC3	Norway	60.7331N	11.5533E	352	From 1984-10-01 to 2002-06-11
NORESS Array Site C4	NRC4	Norway	60.7293N	11.5452E	311	From 1984-10-01 to 2002-06-11
NORESS Array Site C5	NRC5	Norway	60.7301N	11.5341E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site C6	NRC6	Norway	60.7348N	11.5287E	303	From 1984-10-01 to 2002-06-11

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
NORESS Array Site C7	NRC7	Norway	60.7402N 11.5331E	275	From 1984-10-01 to 2002-06-11
NORESS Array Site D1	NRD1	Norway	60.7486N 11.5449E	305	From 1984-10-01 to 2002-06-11
NORESS Array Site D2	NRD2	Norway	60.7444N 11.5616E	372	From 1984-10-01 to 2002-06-11
NORESS Array Site D3	NRD3	Norway	60.7359N 11.5689E	453	From 1984-10-01 to 2002-06-11
NORESS Array Site D4	NRD4	Norway	60.7271N 11.5633E	379	From 1984-10-01 to 2002-06-11
NORESS Array Site D5	NRD5	Norway	60.7222N 11.5475E	348	From 1984-10-01 to 2002-06-11
NORESS Array Site D6	NRD6	Norway	60.7233N 11.5288E	352	From 1984-10-01 to 2002-06-11
NORESS Array Site D7	NRD7	Norway	60.7302N 11.5162E	337	From 1984-10-01 to 2002-06-11
NORESS Array Site D8	NRD8	Norway	60.7390N 11.5168E	301	From 1984-10-01 to 2002-06-11
NORESS Array Site D9	NRD9	Norway	60.7466N 11.5266E	278	From 1984-10-01 to 2002-06-11
NORESS Array Site E0	NRE0	Norway	60.7353N 11.5414E	307	From 1984-10-01 to 2002-06-11
Norfolk	NRFK	Norfolk Island,Australia	29.0400S 167.9630E	196	
Norfolk Island	NIA	Norfolk Island,Australia	29.0417S 167.9600E	130	From 1969-12-01 to 1977-05-26
Norfolk Island	NFK	Norfolk Island,Australia	29.0433S 167.9388E	203	From 2008-07-10
Noril'sk	NRIK	Krasnoyarskiy Kray,Russia	69.3000N 87.5000E	0	
Noril'sk	NRIL	Krasnoyarskiy Kray,Russia	69.5049N 88.4414E	92	
Noril'sk	NRIS	Krasnoyarskiy Kray,Russia	69.0061N 87.9964E	498	
Noril'sk	NRI	Krasnoyarskiy Kray,Russia	69.4300N 88.0830E	44	
Norman	NMO	Oklahoma,U.S.A.	35.2056N 97.4440W	354	From 1975-01-01 to 1976-09-30
Norris Canyon Road	CNCM	California,U.S.A.	37.7560N 121.9900W	306	
Norris Junction	NJW	Wyoming,U.S.A.	44.7303N 110.6930W	2290	From 1972-10-01
Norris Junction	YNR	Wyoming,U.S.A.	44.7155N 110.6792W	2336	
Norrtaelje	NRTU	Sweden	59.6769N 18.6308E	40	From 2002-01-15
NORSAR 1A	NA0	Norway	60.8237N 10.8324E	379	From 1971-01-01
NORSAR Array Beam Reference Point	NOA	Norway	61.0397N 11.2148E	717	
NORSAR Array Site 01A00	NAO00	Norway	60.8237N 10.8324E	379	
NORSAR Array Site 01A01	NAO01	Norway	60.8442N 10.8865E	426	
NORSAR Array Site 01A02	NAO02	Norway	60.8057N 10.8971E	362	
NORSAR Array Site 01A03	NAO03	Norway	60.7881N 10.8084E	223	
NORSAR Array Site 01A04	NAO04	Norway	60.8105N 10.7625E	297	
NORSAR Array Site 01A05	NAO05	Norway	60.8507N 10.8193E	290	
NORSAR Array Site 01B00	NBO00	Norway	61.0307N 10.7777E	529	
NORSAR Array Site 01B01	NBO01	Norway	61.0616N 10.7834E	596	
NORSAR Array Site 01B02	NBO02	Norway	61.0492N 10.8569E	521	
NORSAR Array Site 01B03	NBO03	Norway	61.0129N 10.8371E	429	
NORSAR Array Site 01B04	NBO04	Norway	61.0119N 10.7524E	398	
NORSAR Array Site 01B05	NBO05	Norway	61.0597N 10.7219E	553	
Norsar Array Site 01C00	NCO	Norway	61.3371N 10.5856E	974	From 1971-04-01 to 1976-10-31
NORSAR Array Site 02B00	NB200	Norway	61.0397N 11.2148E	717	
NORSAR Array Site 02B01	NB201	Norway	61.0495N 11.2939E	613	
NORSAR Array Site 02B02	NB202	Norway	61.0069N 11.2778E	647	
NORSAR Array Site 02B03	NB203	Norway	61.0107N 11.1677E	730	
NORSAR Array Site 02B04	NB204	Norway	61.0498N 11.1581E	670	
NORSAR Array Site 02B05	NB205	Norway	61.0710N 11.1977E	637	
NORSAR Array Site 02C00	NC200	Norway	61.2807N 10.8354E	847	
NORSAR Array Site 02C01	NC201	Norway	61.2988N 10.9138E	1033	
NORSAR Array Site 02C02	NC202	Norway	61.2545N 10.9110E	2054	
NORSAR Array Site 02C03	NC203	Norway	61.2438N 10.8318E	714	
NORSAR Array Site 02C04	NC204	Norway	61.2759N 10.7629E	851	
NORSAR Array Site 02C05	NC205	Norway	61.3231N 10.8227E	958	
NORSAR Array Site 03C00	NC300	Norway	61.2617N 11.4141E	366	
NORSAR Array Site 03C01	NC301	Norway	61.2762N 11.4905E	290	
NORSAR Array Site 03C02	NC302	Norway	61.2328N 11.4726E	300	
NORSAR Array Site 03C03	NC303	Norway	61.2251N 11.3690E	401	
NORSAR Array Site 03C04	NC304	Norway	61.2784N 11.3320E	393	
NORSAR Array Site 03C05	NC305	Norway	61.2979N 11.4035E	312	
NORSAR Array Site 04C00	NC400	Norway	61.0791N 11.7189E	522	
NORSAR Array Site 04C01	NC401	Norway	61.0804N 11.7994E	583	
NORSAR Array Site 04C02	NC402	Norway	61.0446N 11.7573E	450	
NORSAR Array Site 04C03	NC403	Norway	61.0537N 11.6683E	304	
NORSAR Array Site 04C04	NC404	Norway	61.0982N 11.6456E	332	
NORSAR Array Site 04C05	NC405	Norway	61.1128N 11.7153E	496	
NORSAR Array Site 06C00	NC600	Norway	60.7473N 11.4584E	321	
NORSAR Array Site 06C01	NC601	Norway	60.7746N 11.5416E	248	
NORSAR Array Site 06C02	NC602	Norway	60.7353N 11.5414E	305	
NORSAR Array Site 06C03	NC603	Norway	60.7050N 11.4807E	340	
NORSAR Array site 06C04	NC604	Norway	60.7263N 11.3956E	378	
NORSAR Array Site 06C05	NC605	Norway	60.7770N 11.4103E	242	
NORSAR Subarray 10C Beam Reference Point	N10	Norway	60.4695N 10.2999E	403	From 1971-01-01 to 1976-10-01
NORSAR Subarray 11C Beam Reference Point	N11	Norway	60.6171N 10.2497E	242	From 1971-01-01 to 1976-10-01
NORSAR Subarray 12C Beam Reference Point	N12	Norway	60.7729N 9.9845E	637	From 1971-01-01 to 1976-10-01
NORSAR Subarray 13C Beam Reference Point	N13	Norway	61.0498N 9.8861E	919	From 1971-01-01 to 1976-10-01
NORSAR Subarray 14C Beam Reference Point	N14	Norway	61.1869N 10.2729E	492	From 1971-01-01 to 1976-10-01
NORSAR Subarray 1A Beam Reference Point	NAO	Norway	60.8237N 10.8324E	379	From 1971-01-01
NORSAR Subarray 1B Beam Reference Point	NBO	Norway	61.0307N 10.7777E	529	From 1971-04-01
NORSAR Subarray 2B Beam Reference Point	NB2	Norway	61.0397N 11.2148E	717	From 1971-04-01
NORSAR Subarray 2C Beam Reference Point	NC2	Norway	61.2807N 10.8354E	847	From 1971-04-01
NORSAR Subarray 3B Beam Reference Point	NB3	Norway	60.9130N 11.2696E	529	From 1971-04-01 to 1976-10-31
NORSAR Subarray 3C Beam Reference Point	NC3	Norway	61.2617N 11.4141E	366	From 1971-04-01
NORSAR Subarray 4B Beam Reference Point	NB4	Norway	60.6738N 11.1881E	239	From 1971-04-01 to 1976-10-31
NORSAR Subarray 4C Beam Reference Point	NC4	Norway	61.0791N 11.7189E	522	From 1971-04-01
NORSAR Subarray 5B Beam Reference Point	NB5	Norway	60.6224N 10.8369E	428	From 1971-04-01 to 1976-10-31
NORSAR Subarray 5C Beam Reference Point	NC5	Norway	60.9468N 11.8004E	425	From 1971-04-01 to 1976-10-31
NORSAR Subarray 6B Beam Reference Point	NB6	Norway	60.7300N 10.4589E	630	From 1971-04-01 to 1976-10-31
NORSAR Subarray 6C Beam Reference Point	NC6	Norway	60.7473N 11.4584E	321	From 1971-04-01
NORSAR Subarray 7B Beam Reference Point	NB7	Norway	60.9200N 10.4658E	759	From 1971-04-01 to 1976-10-31
NORSAR Subarray 7C Beam Reference Point	NC7	Norway	60.4553N 11.4988E	221	From 1971-04-01 to 1976-10-31
NORSAR Subarray 8C Beam Reference Point	NC8	Norway	60.4756N 11.0868E	480	From 1971-04-01 to 1976-10-31
NORSAR Subarray 9C Beam Reference Point	NC9	Norway	60.4094N 10.6038E	478	From 1971-04-01 to 1976-10-31
North	AR9	Costa Rica	10.4717N 84.7286W	658	From 1975-07-13
North Anna	NA5	Virginia,U.S.A.	38.0108N 77.7365W	76	From 1978-08-01 to 2004-09-30
North Anna	NA11	Virginia,U.S.A.	37.9831N 77.6850W		
North Anna	NA2	Virginia,U.S.A.	38.1279N 77.7401W	99	From 1978-10-01 to 1999-08-25
North Anna	NA12	Virginia,U.S.A.	37.9882N 77.8770W	134	From 1978-08-01
North Anna 1	NV1	Virginia,U.S.A.	38.0618N 77.7870W		From 1974-01-01 to 1999-08-25
North Anna 2	NV2	Virginia,U.S.A.	38.0628N 77.8503W		From 1974-01-01 to 1999-08-25
North Anna 3	NV3	Virginia,U.S.A.	38.0983N 77.8093W		From 1974-01-01 to 1999-08-25
North Anna 4	NV4	Virginia,U.S.A.	38.0268N 77.7808W		From 1974-01-01 to 1999-08-25
North Anna 5	NV5	Virginia,U.S.A.	38.0537N 77.7365W		From 1974-01-01 to 1999-08-25
North Anna 6	NV6	Virginia,U.S.A.	38.0913N 77.7782W		From 1974-01-01 to 1999-08-25
North Anna 7	NV7	Virginia,U.S.A.	38.0227N 77.8570W		From 1974-01-01 to 1999-08-25
North Bay	NBH	Hawaii,U.S.A.	19.4950N 155.5800W	1221	From 1964-03-12 to 1968-07-05
North Branch	NB-MN	Minnesota,U.S.A.	45.5328N 92.8475W	259	
North Branch	NB-	Minnesota,U.S.A.	45.5328N 92.8475W	259	
North Capps Glacier	NCG	Alaska,U.S.A.	61.4037N 152.1570W	1244	From 1989-08-07
North Carolina A&T Campus	NCAT	North Carolina,U.S.A.	36.0790N 79.7712W	243	
North Crescent	NCT	Alaska,U.S.A.	60.5617N 152.9300W	1166	From 1988-08-14
North Egmont	NEZ	North Island,New Zealand	39.2719S 174.0960E	920	From 1985-04-17
Northern Antelope Island	NAIU	Utah,U.S.A.	41.0162N 112.2280W	1472	From 1991-11-13
Northern Marianas College	NMCC	Mariana Islands	15.1500N 145.7160E	100	From 1992-05-01
Northfield	NRT	Vermont,U.S.A.	44.1667N 72.6833W	256	
North Gasline	NGL	Alaska,U.S.A.	60.8208N 149.9980W	122	
North Gisborne	NOZ	North Island,New Zealand	38.6180S 178.0370E	60	From 1990-03-05
North Grampians	GOGM	Victoria,Australia	36.8882S 142.3996E	265	
North Greenland Eemian Ice Drilling site	NEEM	Greenland	77.4450N 51.0650W	2454	From 2007-08-22
North Hampton	NHS	South Carolina,U.S.A.	33.0717N 79.7556W	10	From 1974-05-20 to 1980-12-31
North Hollywood	HLLC	California,U.S.A.	34.1764N 118.3597W	193	
North Isle of Man	GIM	Isle of Man,United Kingdom	54.2923N 4.4670W	366	From 1989-01-01
North Kanaga	AD7	Alaska,U.S.A.	51.9000N 177.0900W	244	From 1974-01-01 to 1992-02-01
North Lily Mine	NLU	Utah,U.S.A.	39.9548N 112.0750W	2036	
North Marawa	ANMR	Egypt	23.7340N 32.5626E	185	
North Mineral Mountain	NMUT	Utah,U.S.A.	38.5165N 112.8500W	1853	From 1987-10-01
North-of-Casa	NOCG	California,U.S.A.	37.6875N 118.9190W	2475	From 1984-07-01
North Oquirrh Mountains	NOQ	Utah,U.S.A.	40.6525N 112.1200W	1622	
North Padre Island, Corpus Christi	936A	Texas,U.S.A.	27.4208N 97.3091W	-3	From 2010-01-13
North Pahroc Range	NPN	Nevada,U.S.A.	37.6529N 114.9370W	1664	
North Pahute Mesa	NPM	Nevada,U.S.A.	37.3839N 116.3230W	2250	From 1975-09-01
North Pit	NPH	Hawaii,U.S.A.	19.4150N 155.2830W	1115	From 1958-07-01
North Pocatello Valley	NPI	Idaho,U.S.A.	42.1473N 112.5180W	1640	From 1975-04-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
North Pole	NP-	Northwest Territories,Canada	76.2522N	119.3717W	59	
Northport	A10A	Washington,U.S.A.	48.9813N	117.5586W	688	From 2006-08-30 to 2008-06-14
North Rainier Mesa	NRM	Nevada,U.S.A.	37.2744N	116.2060W	2210	From 1975-09-01 to 1981-12-31
North Reno	NRR	Nevada,U.S.A.	39.5720N	119.8490W	1634	From 1964-04-09
North Rim	U15A	Arizona,U.S.A.	36.4280N	112.2915W	2489	From 2007-05-16
North River	NRA	Alaska,U.S.A.	63.8918N	160.5140W	105	From 1976-08-01 to 1978-08-31
North Stansbury	NSU	Utah,U.S.A.	40.9082N	112.5060W	1422	From 1976-10-01 to 2004-03-05
North Stonington	NSC	Connecticut,U.S.A.	41.4808N	71.8516W	110	From 1977-06-27 to 1999-01-31
North Tanaga	AK0	Alaska,U.S.A.	51.7790N	176.8800W	152	
North Tanaga	AK3	Alaska,U.S.A.	51.8067N	177.8200W	350	From 1976-10-01 to 1992-02-01
North Tanaga	AK5	Alaska,U.S.A.	51.8040N	176.8920W	0	
North Tanaga	AT3	Alaska,U.S.A.	51.8067N	177.8200W	350	From 1975-01-01 to 1976-10-31
North Woods Club	NWC	New York,U.S.A.	43.8450N	74.1502W		From 1986-10-01
Norton	NNK	Kansas,U.S.A.	39.9363N	100.0420W	732	From 1979-03-01 to 1981-12-31
Nottersdorf	NOTT	Bayern,Germany	49.8110N	12.1223E	490	
Nou	NOUE	Niigata,Japan	37.0480N	138.0309E	240	
Noumea	NOC	New Caledonia	22.2839S	166.4320E	5	From 1986-12-09 to 1987-10-27
Noumea	LASL	New Caledonia	22.2310S	166.5400E	11	From 2007-01-01
Noumea	NOU	New Caledonia	22.3100S	166.4510E	105	From 1960-01-01
Noumea	ONTRN	New Caledonia	22.3070S	166.4540E	116	From 2007-04-01
Noumea	NORM	New Caledonia	22.2280S	166.4840E	97	From 2007-01-01
Noumea	MVNO	New Caledonia	22.2700S	166.4420E	0	From 2007-01-01
NOV1	NOV1	Switzerland	46.3888N	6.8138E	465	From 2010-02-09
NOV2	NOV2	Switzerland	46.3718N	6.8739E	375	From 2010-02-09
NOV3	NOV3	Switzerland	46.4337N	6.9403E	1091	From 2010-02-09
Nova Friburgo	CAM4	Rio de Janeiro,Brazil	22.3568S	42.5653W	2000	
Novalja	NVLJ	Croatia	44.5635N	14.8711E	20	
Novara	NOV	Sicily,Italy	38.0278N	15.1367E	775	
Nova Varos 1	NOVS	Serbia	43.4485N	19.8216E	0	
Nova Varos 2	NVSS	Serbia	43.5077N	19.7005E	0	
Novellara	NOVE	Italy	44.7982N	10.7161E	16	From 2003-05-20
Novi Di Modena	ROCE	Italy	44.9000N	10.9242E	17	
Novodnistrovsk	NDNU	Ukraine	48.5947N	27.3664E	242	From 2006-07-27
Novokhopersk	VRHR	Voronezhskaya Oblast',Russia	51.0955N	41.6246E	137	From 2003-11-01 to 2008-06-18
Novokhopyorsk	VRH	Voronezhskaya Oblast'	51.2025N	41.7215E	98	From 2008-06-19
Novosibirsk	NVS	Novosibirskaya Oblast',Russia	54.8404N	83.2346E	150	
Novy Kostel	NKC	Czech Republic	50.2331N	12.4479E	564	
Nowan	KSNOW	South Korea	37.6863N	127.0694E	130	From 2007-12-12
Now Shahr	NOSH	Iran	36.7000N	51.5000E	0	
NPP	NPPZ	Armenia	40.1670N	44.1330E	945	
NRDS	ADM	Nevada,U.S.A.	36.7697N	116.2850W	1033	From 1965-01-01 to 1970-12-31
Nsakai	JNG	Nagano,Japan	36.4067N	138.1000E	930	
NSKD	NSKD	Egypt	23.6599N	32.3861E	236	
Nu aruja	NARJ	Romania	45.8323N	26.7510E	581	
Nueva Concepcion	NCS	El Salvador	14.1015N	89.1795W	290	
Nuku'alofa	NUK	Tonga	21.1320S	175.2070W	10	From 1983-09-05
Nuku Hiva Island	TAOE	Marquesas archipelago	8.8549S	140.1482W	812	From 2004-12-01
Nukus	NUKS	Uzbekistan	42.3500N	59.7700E	73	
Numazu	NUM	Shizuoka,Japan	35.1000N	138.8500E	6	
Nunatak	NTK	Alaska,U.S.A.	59.8777N	139.0350W	1050	From 1974-09-09 to 1975-10-31
Nunuq Camp, NU	NUNN	Nunavut,Canada	65.2146N	91.0784W	229	From 2007-08-16
Nurata	NUT	Uzbekistan	40.5500N	65.6833E	524	
Nurek	NRK	Tajikistan	38.4000N	69.3333E		
Nurmija@14rvi	NE61	Finland	60.5090N	24.6490E	105	
Nurmija@14rvi	NUR	Finland	60.5090N	24.6490E	102	From 1957-01-01
Nurpur	NURP	Himachal Pradesh,India	32.2667N	75.8967E		
Nutrioso	Y19A	Arizona,U.S.A.	33.9571N	109.2541W	2448	From 2007-04-04 to 2009-02-21
Nuugaatsiaq	NUUG	Greenland	71.5386N	53.2001W	40	From 2010-07-01
Nuuk	NUUK	Komi	64.1800N	51.7300W	0	From 2010-09-09
Nuxco	NUXM	Guerrero,Mexico	17.2108N	100.7547W	80	
NWS Agricenter	NAIT	Tennessee,U.S.A.	35.1297N	89.8036W	104	
Nyala	NYA	Sudan	12.0475N	24.9022E	651	From 1980-04-17 to 1982-12-31
Nyarlorinc	PKSN	Hungary	46.8972N	19.8673E	110	
Nye Farm, Monte Vista	S23A	Colorado,U.S.A.	37.7059N	106.0023W	2323	From 2008-06-07
Nyeri	NYRK	Kenya	0.4290S	36.9370E	1902	From 1997-04-01 to 1997-09-30
Nykoping	NYK	Sweden	58.9240N	17.0910E	33	From 1980-01-01
Nylenda	INYL	Iceland	63.9740N	22.7380W	7	From 1997-02-06
Nynaeshamn	NYNU	Sweden	59.0047N	18.0042E	20	From 2002-01-25
Nyzhne Selyshche	NSLU	Ukraine	48.1976N	24.4571E	250	From 2008-01-01
Oacoma	I30A	South Dakota,U.S.A.	43.9143N	99.4262W	549	From 2009-06-16
Oahu Island	OA-	Hawaii,U.S.A.	21.4575N	157.9964W	183	From 1962-03-30 to 1962-11-05
Oahu Island	OA-IS	Hawaii,U.S.A.	21.4575N	157.9964W	183	From 1962-03-30 to 1962-11-05
Oakfield	OAK	New York,U.S.A.	43.0570N	78.3372W	259	From 1971-09-01 to 1974-11-30
Oak Flat	WOFM	California,U.S.A.	35.5354N	118.7135W	1306	
Oak Grove	OKG	Tennessee,U.S.A.	35.6260N	89.8350W	129	From 1975-06-27 to 1992-02-29
Oak Harbor	OHW	Washington,U.S.A.	48.3233N	122.5320W	54	From 1975-05-16
Oakhill	ONH	New Hampshire,U.S.A.	43.2792N	71.5056W	280	From 1975-12-01
Oakley	Q29A	Kansas,U.S.A.	38.8905N	100.9787W	895	From 2009-05-12
Oak Ridge	ORT	Tennessee,U.S.A.	35.9095N	84.3048W	370	From 1967-06-01
Oak Springs Butte	OB-NV	Nevada,U.S.A.	37.2358N	116.0525W	1731	
Oak Springs Butte	OB2NV	Nevada,U.S.A.	37.2253N	116.0578W	1542	
Oak Springs Butte	OB3NV	Nevada,U.S.A.	37.2325N	116.0542W	1609	
Oamaru	OMZ	South Island,New Zealand	45.0706S	170.9150E	95	From 1969-10-16 to 1990-07-31
Oasis	OAS	Antofagasta,Chile	23.2006S	69.7139W	1340	
Oasis-Bungera	OBA	Queen Mary Land	66.1667S	100.7330E	24	
Oasis Ranch, Spearman	U29A	Texas,U.S.A.	36.4519N	101.2702W	928	From 2009-04-20
Oat Mountain	OAT	California,U.S.A.	34.3436N	118.6144W	1089	
Oaxaca	OXBJ	Oaxaca,Mexico	17.0673N	96.7240W	1700	From 2009-02-16
Oaxaca	PXO	Oaxaca,Mexico	15.7478N	96.3030W	25	
Oaxaca	GUO	Oaxaca,Mexico	16.0987N	97.0610W	244	
Oaxaca	OAX	Oaxaca,Mexico	17.0203N	96.7628W	1570	
Oaxaca	OXX	Oaxaca,Mexico	17.0817N	96.7233W	1730	From 1984-01-01
Oaxaca	AZO	Oaxaca,Mexico	15.9660N	97.4080W		
Oaxaca	LAGM	Oaxaca,Mexico	16.1042N	97.0778W	201	
Oaxaca	YOO	Oaxaca,Mexico	17.7500N	97.8250W	1600	
Obama	SWAJ	Nagasaki,Japan	32.6775N	130.2022E	257	
Oban	OBZ	Stewart Island,New Zealand	46.9050S	168.1150E	26	From 1976-09-17 to 2003-08-15
Obara	JAO	Gifu,Japan	35.2667N	137.2583E	600	
Obergurgl	OGA	Austria	46.8678N	11.0253E	1934	From 1975-09-01
Oberlin	OBK	Kansas,U.S.A.	39.9288N	100.4390W	792	From 1979-03-01 to 1981-12-31
Oberstdorf	OBER	Bayern,Germany	47.4070N	10.2934E	1000	From 2002-03-18
Obertriebel	TRIB	Sachsen,Germany	50.3517N	12.1370E	510	From 2001-12-19
Obi Garm	OBG	Tajikistan	38.7167N	69.7167E	1350	
Obihiro	OBI	Tokachi,Japan	42.9200N	143.2167E	39	
Obir	OBKA	Austria	46.5092N	14.5489E	1074	
Obispado Ponce	OBIP	Puerto Rico	18.0428N	66.6062W	102	
Obninsk	OBN	Kaluzhskaya Oblast',Russia	55.1138N	36.5687E		
Obock	OBO	Djibouti	11.9853N	43.2917E	40	From 1973-06-01
Observation Rock	OBSR	Washington,U.S.A.	46.8997N	121.8153W	2382	
Observatory	OBSV	South Africa	26.1850S	28.0740E	1815	From 2009-10-19
Observatory	POB1	Scotland,United Kingdom	55.8458N	4.4299W	34	From 1992-01-01
Obsidian Butte	OBB	California,U.S.A.	33.1673N	115.6370W	-59	From 1973-04-16
O'Byrne Ferry	MOYM	California,U.S.A.	37.9000N	120.5670W	176	From 1972-04-19
Ocana	OCAC	Colombia	8.2388N	73.3193W	1264	
Ocean Bottom Seismometer	OBS	California,U.S.A.	38.0920N	124.5440W	-3840	From 1966-01-01 to 1972-12-31
Ocean Falls	OFB	British Columbia,Canada	52.3540N	127.6843W	75	
Oceanview	VEW	South Carolina,U.S.A.	32.7177N	79.9415W	-60	
Oceanview Est	OVEH	Hawaii,U.S.A.	19.1535N	155.7653W	1378	
Ochomogo	OCM	Costa Rica	9.8948N	83.9608W	1660	
O'Connell Ranch	HORM	California,U.S.A.	36.9172N	121.5080W	98	From 1967-06-26
O'Connell Ranch	OCR	California,U.S.A.	36.9172N	121.5080W	98	From 1967-06-26
Ocos	OCG	Guatemala	14.5655N	92.1217W	8	From 1984-03-01 to 1988-12-31
Ocos 2	OC2	Guatemala	14.5605N	92.1862W	5	From 1986-07-01
Ocozocoautla	OZC	Chiapas,Mexico	16.7850N	93.3730W	864	
Octopus Mountain	OCWA	Washington,U.S.A.	47.7489N	124.1781W	671	
Octopus West	OOW	Washington,U.S.A.	47.7367N	124.1890W	743	
OCUMARITO	OCUV	Venezuela	10.1164N	66.8000W	248	From 2004-10-08
Oda	JJO	Shimane,Japan	35.1683N	132.5033E	60	
Odare	ODAN	Nepal	26.8600N	87.3900E	2045	From 1994-04-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Odawara	JOD	Kanagawa,Japan	35.2648N	139.0908E	360	
Odawara 2	JOD2	Kanagawa,Japan	35.2632N	139.0882E	380	
Odda	ODD1	Norway	59.9120N	6.6280E	684	From 1987-12-03
Odda	ODD	Norway	59.9500N	6.6670E	630	From 1984-11-01 to 1987-12-02
Odesa	NE56	Ukraine	46.6760N	30.8990E	30	
Odessa	ODS	Washington,U.S.A.	47.3067N	118.7450W	524	From 1969-03-01
Odessa Site #2	OD2	Washington,U.S.A.	47.3910N	118.7110W	590	From 1989-06-01
Odiongan	OTPR	Luzon,Philippines	12.3620N	122.0210E	120	
Odiongan	OTRP	Panay,Philippines	12.3620N	122.0210E	120	
Od Khalfella	OKL	Morocco	32.2030N	9.1390W	122	
Odobesti	ODBI	Romania	45.7633N	27.0558E	181	From 2007-09-13
Odobesti	ODB	Romania	45.7747N	27.0561E	140	From 1979-01-01 to 1989-01-01
ODP1027	NC27	British Columbia,Canada	47.7627N	127.7579W	-2656	From 2009-09-01
ODP889	NC89	British Columbia,Canada	48.6705N	126.8488W	-1258	From 2009-09-01
Oestervaala	OSTU	Sweden	60.2298N	17.1342E	100	From 2001-12-20
Ofenpass-Fuorn	FUORN	Switzerland	46.6202N	10.2635E	2333	From 2000-09-28
'Ofer	OFRI	Israel	32.6210N	34.9850E	520	
Offenburg	OFBG	Baden-Wurttemberg,Germany	48.4453N	7.9770E	237	From 2001-11-15
Office Forets	ONF	Aquitaine,France	43.0950N	0.7160W		From 1985-02-01
Offida	OFFI	Italy	42.9350N	13.6857E	320	From 2006-05-16
Oficina Alemania	OFA	Antofagasta,Chile	25.1525S	69.9500W	1000	From 1975-01-01
Ofunato	OFU	Iwate,Japan	39.0617N	141.7180E	37	
Ofunato	OFUJ	Iwate,Japan	39.0802N	141.6690E	180	From 1978-01-01
Oga	JOG	Akita,Japan	39.9043N	139.7770E	270	
Oga	OGH	Akita,Japan	39.9050N	139.7769E	354	
Oga 2	JOG2	Akita,Japan	39.9140N	139.7927E	140	
Ogallala	OGNE	Nebraska,U.S.A.	40.9451N	102.0330W	1054	
Ogasawara	OGS	Bonin Islands,Japan	27.0568N	142.2030E	20	From 1992-06-26
Ogden Bay	OGU	Utah,U.S.A.	41.2750N	111.9440W	1506	From 1975-09-01 to 1979-05-31
Ogdensburg	ODNJ	New Jersey,U.S.A.	41.0829N	74.6056W	187	From 2007-06-23
Ogdensburg	OGD	New Jersey,U.S.A.	41.0875N	74.5958W	-367	From 1961-12-12 to 1981-12-31
Ogeu	OGE	Aquitaine,France	43.1685N	0.4733W	440	
O'Grain Ranch, Modena	R13A	Utah,U.S.A.	38.1802N	113.9691W	1969	From 2007-06-08 to 2009-03-16
Ohakea	OHWZ	North Island	40.2056S	175.3151E	59	From 2011-03-29
Ohasama	JOM	Iwate,Japan	39.4730N	141.2923E	210	
Ohata	JOT	Aomori,Japan	41.3820N	141.0482E	80	
Ohdaira	OHD	Iburi,Japan	42.5262N	140.8425E	250	
O'Higgins	OHC	Antarctic Peninsula	63.3167S	57.9000W	20	
Ohinepanea	OPRZ	North Island,New Zealand	37.8461S	176.5547E	134	From 2007-02-22
Ohio Geological Survey, Columbus	OGSO	Ohio,U.S.A.	40.0568N	82.9654W	268	
Ohio State University	OSUO	Ohio,U.S.A.	39.9981N	83.0109W	226	
Ohio State University--Lima	OSLO	Ohio,U.S.A.	40.7390N	84.0250W	284	
Ohio State University--Mansfield	OSMO	Ohio,U.S.A.	40.7970N	82.5790W	420	
Ohio University	OUAO	Ohio,U.S.A.	39.3220N	82.0970W	217	
Ohira	OHJ	Tochigi,Japan	36.3600N	139.6924E	250	
Ohlone	OHLN	California,U.S.A.	38.0064N	122.2730W	-196	
Ohmine	OMJ	Nagano,Japan	36.6677N	138.1820E	506	
Ohrid	OHR	Former Yugoslav Rep. of Macedonia	41.1114N	20.7989E	739	From 1969-01-01
Oil Point	OPT	Alaska,U.S.A.	59.6528N	153.2300W	625	
Oio	OIZ	North Island,New Zealand	39.0467S	175.3925E	470	From 1992-09-01
Oishiyama	OIS	Wakayama,Japan	34.1053N	135.3270E	678	From 1966-01-07 to 1971-11-04
Oishiyama (A)	OIA	Wakayama,Japan	34.1031N	135.3200E	756	From 1971-08-10
Oishiyama (B)	OIB	Wakayama,Japan	34.0998N	135.3210E	776	From 1971-08-10
Oishiyama (C)	OIC	Wakayama,Japan	34.0989N	135.3170E	776	From 1971-08-10
Oita	OIT	Oita,Japan	33.2333N	131.6230E	5	
Oita 2	OIT2	Oita,Japan	33.2782N	131.4518E	460	From 1994-07-07
Oiwake	OIW	Nagano,Japan	36.3400N	138.5520E	1001	
Ojanco, Jaen	E033	Spain	38.3616N	2.9074W	687	From 2008-04-23 to 2010-02-28
Ojcow	OJC	Poland	50.2195N	19.7984E	391	From 1992-04-01
Ojen	OJEN	Spain	36.0993N	5.5408W	816	
Ojo de Agua	OJOS	El Salvador	13.8633N	89.2367W	645	From 1991-12-01
Okabe	OKB	Shizuoka,Japan	34.9500N	138.2538E	-30	
Okamoto-Ura	KV09	Miyazaki,Japan	32.0183N	130.7878E	280	
Okayama	OKA1	Okayama,Japan	34.6583N	133.9180E	17	
Okayama	OKA	Okayama,Japan	34.6817N	133.9150E	5	
Okayama 2	OKA2	Okayama,Japan	34.6417N	133.9520E	77	
Okha	OKH	Sakhalinskaya Oblast',Russia	53.5500N	142.9330E	24	
Okhotsk	OKHT	Khabarovskiy Kray,Russia	59.3570N	143.2400E	2	From 2007-08-15
Okhotsk	OHTR	Khabarovskiy Kray,Russia	59.3586N	143.3308E	40	
OKI	JOI	Shimane	36.2908N	133.2482E	106	From 2010-12-01
Okiep	OKP	South Africa,South Africa	29.6467S	17.9650E	936	
Okijuku	OKI	Ibaraki,Japan	36.0500N	140.2500E		
Okinoerabujima	JOKE	Ryukyu Islands,Japan	27.3612N	128.5708E	235	From 2010-02-01
Oklahoma City	OCO	Oklahoma,U.S.A.	35.5240N	97.4740W	351	From 1982-05-21
Oklahoma City	OKCFA	Oklahoma,U.S.A.	35.4153N	97.4514W	379	From 2008-04-22
OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA SSA	OKCSA	Oklahoma,U.S.A.	35.4055N	97.4380W	379	From 2008-04-22
Okla Sci Mus	OK004	Oklahoma,U.S.A.	35.5232N	97.4748W	352	
Okmok	OKAK	Alaska,U.S.A.	53.5790N	168.3578W	165	
Okmok Cone D	OKCD	Alaska,U.S.A.	53.4303N	168.1123W	459	
Okmok Cone E	OKCE	Alaska,U.S.A.	53.4270N	168.1643W	515	
Okmok Cone F	OKCF	Alaska,U.S.A.	53.3958N	168.1362W	685	
Okmok East Rim	OKER	Alaska,U.S.A.	53.4537N	168.0512W	956	
Okmok Mt. Idak	OKID	Alaska,U.S.A.	53.4774N	167.8162W	437	
Okmok Mt. Tulik	OKTU	Alaska,U.S.A.	53.3839N	168.0411W	646	
Okmok R'deer Pt	OKRE	Alaska,U.S.A.	53.5202N	168.1641W	422	
Okmok South	OKSO	Alaska,U.S.A.	53.3574N	168.1599W	460	
Okmok Steeple Pt	OKSP	Alaska,U.S.A.	53.2526N	168.2905W	608	
Okmok West Rim	OKWR	Alaska,U.S.A.	53.4347N	168.2056W	1017	
Okmok W'ng Wall	OKWE	Alaska,U.S.A.	53.4721N	168.2398W	445	
Okreek	J29A	South Dakota,U.S.A.	43.4061N	100.3253W	644	From 2009-09-18
Okuchi	JZO	Kagoshima,Japan	32.1400N	130.5985E	440	
Okuno	OKN	Shizuoka,Japan	34.9319N	139.0706E	140	
Okura	JOU	Yamagata,Japan	38.3655N	140.6640E	390	
Okushiri	OKS	Hiyama,Japan	42.0650N	139.4433E	35	From 1993-07-15
Okushiri--Matsue	JOSM	Hiyama,Japan	42.0827N	139.4752E	79	
Okushj	JOR	Hiyama,Japan	42.0667N	139.4450E	33	
Okuyama	OKY	Yamanashi,Japan	35.2273N	138.4212E	620	From 1978-06-01
Olander Ranch, Little River	R33A	Kansas,U.S.A.	38.3081N	97.9842W	497	From 2009-10-17
Olbia	OLB	Sardinia,Italy	40.9267N	9.4956E	5	
Oldbury-Upon-Severn	OLDB	England,United Kingdom	51.6609N	2.5515W	6	From 2009-07-14
Old Faithful	YPOF	Wyoming,U.S.A.	44.4525N	110.8413W	2260	From 1972-10-01 to 2004-03-05
Old Faithful	YFT	Wyoming,U.S.A.	44.4513N	110.8358W	2292	
Old Graveyard	OGTN	Tennessee,U.S.A.	36.4200N	89.4860W	91	
Old Harbor	OHAK	Kodiak Island,U.S.A.	57.2225N	153.2875W	77	
Old Mammoth Mine	OMM	California,U.S.A.	37.6185N	118.9923W	2750	
Old Woman Plateau	OWUT	Utah,U.S.A.	38.7800N	111.4240W	2568	From 1989-02-08
Oleftalsperre	OLFT	Nordrhein-Westfalen,Germany	50.4939N	6.4202E	470	From 1988-06-01
Olema	NOLM	California,U.S.A.	38.0397N	122.7930W	30	From 1977-02-23
Olema	OLC	California,U.S.A.	38.0397N	122.7930W	30	From 1966-12-22 to 1977-02-23
Olintepeque	OLG	Guatemala	14.8977N	91.5077W	2855	
Olkaria	OLK	Kenya	0.8880S	36.3240E	1751	From 1995-03-01 to 1996-10-31
Olkaria West	OLWK	Kenya	0.8380S	36.2640E	1780	From 1996-10-01 to 1997-04-30
Ollague	OLL	Tarapaca,Chile	21.1750S	68.3717W	4000	From 1965-11-01 to 1999-08-25
Olmue	OLCH	Valparaiso,Chile	32.9939S	71.1728W	173	
Olney	OLIL	U.S.A.	38.7338N	88.0991W	150	
Olofstrom	OLF	Sweden	56.3080N	14.4700E	118	From 1980-01-01 to 1991-12-31
Olot	OLT	Spain	42.1443N	2.4743E	700	From 1986-01-01 to 2006-12-31
Olula del Rio	EXOR	Spain	37.3530N	2.2970W	520	
Olym-Cheeka Pk	OCP	Washington,U.S.A.	48.2979N	124.6252W	487	
Olym-F Res Ctr	OFR	Washington,U.S.A.	47.9331N	124.3960W	152	
Olympia	OLW	Washington,U.S.A.	47.0728N	122.9220W	37	From 1986-08-02
Olympic Penn College CREST BB SMO	OPC	Washington,U.S.A.	48.1001N	123.4129W	90	From 2001-05-30
Olympics--Bonidu Creek	OBC	Washington,U.S.A.	48.0353N	124.0780W	938	From 1980-07-01
Olympics--Burnt Hill	OBH	Washington,U.S.A.	47.3263N	123.8660W	383	
Olympics--Forks	OFK	Washington,U.S.A.	47.9500N	124.3580W	134	From 1980-07-01
Olympics--Lake Quinault	OLQ	Washington,U.S.A.	47.5161N	123.8088W	121	
Olympics--North River	ON2	Washington,U.S.A.	46.8808N	123.7811W	257	
Olympics--North River	ONR	Washington,U.S.A.	46.8771N	123.7710W	257	From 1980-07-01 to 2004-10-21
Olympics--Salmon Ridge	OSR	Washington,U.S.A.	47.5056N	123.9620W	815	From 1989-09-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Olympics--Snow Dome	OSD	Washington,U.S.A.	47.8208N	123.7020W	2010	
Olympics--Sooes Peak	OSP	Washington,U.S.A.	48.2849N	124.5900W	585	From 1983-10-01
Olympics--Tyee Ridge	OTR	Washington,U.S.A.	48.0833N	124.3440W	712	
Olyphant	OLY	Arkansas,U.S.A.	35.5030N	91.4700W	236	From 1979-11-06
Omae zaki	OMA	Shizuoka,Japan	34.6017N	138.2167E	-165	
Omahuta	OUZ	North Island,New Zealand	35.2214S	173.5960E	40	From 1991-03-12
Omak	OMW	Washington,U.S.A.	48.4803N	119.5610W	421	From 1975-06-01
Omania	OMRZ	North Island,New Zealand	38.1080S	176.3715E	566	From 2007-04-04
Omchak	OCHR	Magadanskaya Oblast',Russia	61.6653N	147.8667E	820	
Ometepe	OME	Nicaragua	11.5377N	85.6837W	181	
Omihachiman	OHM	Shiga,Japan	35.1738N	136.0835E	120	
Omiya	OOM	Yamanashi,Japan	35.2167N	138.6330E		
Omsukchan	OMS	Magadanskaya Oblast',Russia	62.5150N	155.7750E	527	
Onahama	ONA	Fukushima,Japan	36.9450N	140.9070E	5	
Onalaska	E04A	Washington,U.S.A.	46.5934N	122.7204W	215	From 2005-10-27 to 2008-02-12
Onbets	JOB	Kushiro,Japan	42.9033N	143.8347E	60	
Oncesti	ONCR	Romania	46.4643N	27.2672E	234	From 2004-07-13
Onchagaon	UGON	Uttar Pradesh	28.3100N	77.9100E	237	From 2001-04-27
Oneida	ONTN	Tennessee,U.S.A.	36.4815N	84.4433W	635	
Onerahi	ONE	North Island,New Zealand	35.7758S	174.3630E	30	From 1954-08-01 to 1985-09-26
Ongoro	ONG	Peru	15.8990S	72.4732W	880	
Ongureny	OGRR	Irkutskaya Oblast',Russia	53.6433N	107.5950E	495	
Oni	ONI	Georgia	42.5903N	43.4525E	834	From 1967-03-02
Onida	H29A	South Dakota,U.S.A.	44.6261N	100.2125W	548	From 2009-09-11
Onioshidashi	ODSE	Gumma,Japan	36.4219N	138.5219E	1710	
Ontario (NY)	ONTR	New York,U.S.A.	43.2738N	77.3067W	84	
Onyx Ranch	WORM	California,U.S.A.	35.6956N	118.2425W	795	
Oohira	OHRN	Gifu,Japan	35.4877N	137.1946E	330	
Ooide	K09	Iwate,Japan	39.4742N	141.5114E	446	
Ooka	OKAH	Hawaii,U.S.A.	19.4943N	154.9240W	180	
Oologah	OLO	Oklahoma,U.S.A.	36.4573N	95.7108W	196	From 1976-11-28 to 1977-08-07
Oonami East	KV05	Kagoshima,Japan	31.9217N	130.8586E	1300	
Oonami West	KV03	Kagoshima,Japan	31.9217N	130.8425E	1188	
Oonodaira	K10	Iwate,Japan	39.4958N	141.5147E	616	
Ooshika	OOS	Nagano,Japan	35.5797N	138.0488E	805	
Ootomari	OOT	Sakhalinskaya Oblast',Russia	46.6500N	142.7670E	36	
Opal Mound	OPL	Utah,U.S.A.	38.4817N	112.8720W	1766	
Opana	OPA	Hawaii,U.S.A.	21.6872N	158.0097W	138	From 1965-04-01
Opiter	BOPT	Belgium	51.1118N	5.6350E	51	From 2007-03-06
Oploo	OPLO	Netherlands	51.5888N	5.8121E	0	
Oppeano	OPPE	Italy	45.3082N	11.1724E	20	From 2009-09-24
Oppenau	OPP	Baden-Wurttemberg,Germany	48.4972N	8.1868E	412	From 2008-04-01
Oracle	117A	Arizona,U.S.A.	32.5716N	110.7393W	1544	From 2007-04-06 to 2008-12-03
Oran	ORA	Buryatiya,Russia	55.9300N	113.6700E	705	
Oran	USTO	Algeria	35.7333N	0.5500W	0	
Orangeburg	OSC	South Carolina,U.S.A.	33.5397N	80.8250W	60	
Orangeburg	OSB	South Carolina,U.S.A.	33.5472N	80.8444W	91	From 1977-04-02
Orange Hill	OHS	St Vincent,Saint Vincent and the Grenadines	13.3170N	61.1480W	274	
Orbe	ORB	Switzerland	46.7167N	6.5167E		
Orcadas	ORCD	South Orkney Islands	60.7381S	44.7361W		
Orchard Mesa	OMCO	Colorado,U.S.A.	39.0270N	108.5170W		
Ordiarp	ORDF	Aquitaine,France	43.2135N	0.9357W	270	From 1997-10-28
Ordu-Boztepe	ORDU	Turkey	40.9910N	37.8571E	526	From 2010-12-03
Oregon House	AOHM	California,U.S.A.	39.3753N	121.2560W	457	From 1977-02-14
Orenburg	ORR	Orenburgskaya Oblast',Russia	51.6184N	54.7530E	91	From 2004-10-26
Oreshnoe	ORHR	Krasnoyarskiy Kray,Russia	55.3020N	93.6650E	444	From 2003-03-07
Organos	IIO	Tlaxcala,Mexico	19.5915N	98.7225W	2940	
Organ Pipe National Monument, Ajo	214A	Arizona,U.S.A.	31.9559N	112.8115W	543	From 2007-05-07
Organya	ORG	Spain	42.2278N	1.3322E	740	
Organya	CORG	Spain	42.2303N	1.3176E	716	
Orgiva	ORGV	Spain	36.8572N	3.4322W	1600	
Orhaneli	ORLT	Turkey	40.0460N	28.8960E	649	
Orhaniye	ORH	Turkey	40.8602N	30.0707E	320	From 1995-01-01
Oricopia Mountain	ORCC	California,U.S.A.	33.5662N	115.7692W	1087	
Orie	ORY	Krasnoyarskiy Kray,Russia	55.0031N	95.1089E	378	From 2004-03-19
Oriolo Calabro	OR1	Italy	40.0635N	16.4492E	375	
Oriolo Calabro	ORI	Italy	40.0635N	16.4492E	375	
Oris-en-Rattier	ORIF	Rhone-Alpes,France	44.9183N	5.8800E	1082	From 1996-04-03
Orista	CORI	Spain	41.9735N	2.0499E	331	From 2006-02-01
Oritupano	ORIV	Venezuela	9.0700N	63.4090W	123	From 2002-05-06
Orjiva, Granada	E007	Spain	36.8605N	3.4291W	1289	From 2007-09-13 to 2009-06-26
Orkelljunga	ORK	Sweden	56.2680N	13.2620E	96	From 1980-01-01 to 1991-12-31
Orlando	OR-FL	Florida,U.S.A.	28.4669N	81.2214W	20	From 1963-05-14 to 1963-09-15
Orlando	OR-	Florida,U.S.A.	28.4669N	81.2214W	20	From 1963-05-14 to 1963-09-15
Orleans, Heritage Park	ORHO	Ontario,Canada	45.4563N	75.5367W	51	From 2007-06-19
Orleans, Innes Road, Ontario	ORIO	Ontario,Canada	45.4515N	75.5110W	74	From 2008-06-19
Orleans Mountain	KOMM	California,U.S.A.	41.2788N	123.4520W	1181	
Orlik	ORL	Buryatiya,Russia	52.5389N	99.8100E	1360	
Ormoc	OCLP	Leyte,Philippines	11.0510N	124.6090E	130	
Orongorongo Tunnel	OTW	North Island,New Zealand	41.2775S	175.0042E	230	From 1992-07-28
Orono	ORNO	Maine,U.S.A.	44.8920N	68.6720W	100	From 2008-12-01
Oropa	ORO	Italy	45.6275N	7.9814E	1160	
Oropa	ORX	Italy	45.6325N	7.9817E	1250	
Oroville	ORV	California,U.S.A.	39.5545N	121.5004W	334	From 1963-01-01
Oroz-Betelu	EORO	Spain	42.8926N	1.3095W	880	From 2007-04-27
Orsara di Puglia	FG5	Italy	41.2825N	15.2678E	660	
Ortayu	OTUK	Kazakhstan	48.2445N	72.3378E	602	From 2010-02-10
Orti	OII	Italy	38.1533N	15.6892E		
Ortiz Mountain	OTZ	New Mexico,U.S.A.	35.7603N	106.1730W	2091	From 1976-09-17
Ortiz Mt. (NFS), Santa Fe National Forest	V23A	New Mexico,U.S.A.	35.7452N	106.1833W	1991	From 2008-05-05
Orto-Tokoy	OTK	Kyrgyzstan	42.3460N	76.0170E	1700	
Orzinuovi	ORZI	Italy	45.4056N	9.9307E	83	From 2008-04-24
Os	OSGS	Norway	60.1900N	5.4600E	30	From 2002-01-01
Osaka	OSK	Osaka,Japan	34.6117N	135.6600E	472	
Osaka	OSA	Osaka,Japan	34.6783N	135.5220E	13	
Osborn	OSBY	New York,U.S.A.	41.3603N	73.9239W	212	
Oschiri	OSKI	Italy	40.8210N	9.1083E	896	From 2006-12-12
Oseberg A Platform	OSG	Norway	60.4970N	2.8760E	-100	From 1988-01-01 to 2003-04-05
Osh	OHH	Kyrgyzstan	40.5240N	72.7850E	980	
Oshima	OSH	Bonin Islands,Japan	34.7617N	139.3783E	191	
Oshima	OSHJ	Bonin Islands,Japan	34.7467N	139.3670E	76	From 1991-12-18
O shima 2	JIM	Bonin Islands,Japan	34.7617N	139.3767E	190	
Oshima 3	JIM2	Bonin Islands,Japan	34.7175N	139.4312E	405	
Osimo (AN)	AD06	Italy	43.4944N	13.4366E	112	From 2010-03-30
Osito Adit	OSI	California,U.S.A.	34.6145N	118.7235W	676	
Oskarshamn	OSKU	Sweden	57.1947N	16.0994E	100	From 2002-11-01
Oslo	OO-	Norway	61.0547N	10.8661E	555	
Oslo	OSL	Norway	59.9372N	10.7227E	70	
Oslo	OO-NW	Norway	61.0547N	10.8661E	555	
Osmaniye	OSMT	Turkey	40.6022N	29.7002E	820	From 1993-01-01
Os-Marcillon	OSML	Aquitaine,France	43.3892N	0.5928W	105	
Osorio	EOSO	Spain	28.0718N	15.5525W	760	
Osorno	OSCH	Valdivia,Chile	40.5758S	73.1276W	45	
Ospenovka	USP	Kazakhstan	43.2669N	74.4997E	740	
Osses	OSSF	Aquitaine,France	43.2560N	1.2618W	240	From 1997-06-01
Ossining	OSNY	New York,U.S.A.	41.2117N	73.8283W	122	
Ossora	OSSR	Kamchatskaya Oblast',Russia	59.2500N	163.0600E	5	
Ostas	OSTC	Czech Republic	50.5565N	16.2156E	554	From 2005-07-01
Ostende	BOST	Belgium	51.2382N	2.9387E	3	From 2009-05-01
Ostrava-Krasne	OKC	Czech Republic	49.8375N	18.1472E	272	From 1994-01-01
Ostromysovka	OSMR	Sakhalinskaya Oblast'	47.2450N	143.0100E	30	From 2004-11-10
Ostuacan	OSCM	Chiapas,Mexico	17.4056N	93.3347W		
Ostula	OSM	Michoacan,Mexico	18.4972N	103.4719W		
Oswego	OSWG	New York,U.S.A.	43.5170N	76.4162W	84	
OT011	OT011	Ontario,Canada	45.3939N	75.7149W	94	From 2005-10-21
Otahua Downs	ODZ	South Island,New Zealand	45.0453S	170.6440E	270	From 1990-08-31
Otaki Gorge	OGWZ	North Island,New Zealand	40.8184S	175.1701E	206	From 2007-09-24
Otama	JFT	Fukushima,Japan	37.5182N	140.3367E	350	
Otara	OTAZ	North Island,New Zealand	36.9512S	174.9247E	140	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Otavalo	OTAV	Ecuador	0.2376N	78.4508W	3492	
Otepa	OTP	Tuamotu,French Polynesia	18.1675S	140.8570W	2	From 1976-01-01
Oterleek	OTL	Netherlands	52.6299N	4.8226E	-3	
Oterleek	OTL2	Netherlands	52.6289N	4.8227E	-104	From 1995-04-21
Oterleek	OTL1	Netherlands	52.6289N	4.8227E	-54	From 1995-04-21
Oterleek	OTL3	Netherlands	52.6289N	4.8227E	-154	From 1995-04-21
Oterleek	OTL4	Netherlands	52.6289N	4.8227E	-204	From 1995-04-21
Othello	OTH	Washington,U.S.A.	46.7390N	119.2160W	384	From 1969-03-01
Othello	OT2	Washington,U.S.A.	46.7214N	119.2350W	355	From 1988-12-01 to 2001-11-01
Othello 3	OT3	Washington,U.S.A.	46.6690N	119.2330W	322	
Otiai	OTI	Sakhalinskaya Oblast',Russia	47.3333N	142.7830E		
Ottawa	OTT	Ontario,Canada	45.3942N	75.7167W	77	From 1906-01-01
Otterbach	OTTER	Switzerland	47.5778N	7.6038E	298	From 2006-01-01
Otterbach 1 (BS)	OTER1	Switzerland	47.5777N	7.6037E	-206	From 2009-10-01
Otterbach 2 (BS)	OTER2	Switzerland	47.5791N	7.6046E	-2487	From 2006-10-01
Otter Rapids	OTRO	Ontario,Canada	50.1818N	81.6286W	109	
Oturere	OTVZ	North Island,New Zealand	39.1650S	175.6650E	1480	From 2004-11-18
Ouanaham	OUA	Loyalty Islands,New Caledonia	20.7747S	167.2440E	29	
Oud Koma	ODK	Djibouti	11.5932N	42.4901E	100	From 1987-01-01
Oued Fodda	OFD	Algeria	36.0667N	1.6000E	377	From 1935-01-01 to 1982-12-31
Oujda	OUJ	Morocco	34.6570N	1.9010W	600	
Oukaimeden	OUK	Morocco	31.2090N	7.8680W	2720	
Oulainen	OUFX	Finland	64.3645N	24.7031E	90	From 2011-02-10
Oulhaca	OLHC	Algeria	35.2500N	1.4200W	600	From 2005-01-01
Oulu	OUL	Finland	65.0853N	25.8964E	60	
Oum El Arais	OAR	Tunisia	34.5317N	8.3968E	475	
Oura	ORJ	Shiga,Japan	35.5171N	136.1197E	150	
Ouranopolis	OUR	Greece	40.3344N	23.9819E	60	From 1981-01-01
Ouri	JIO	Miyagi,Japan	38.4543N	141.3488E	40	
Outingdale	AODM	California,U.S.A.	38.6148N	120.7280W	520	From 1976-10-19
Outlet	OUT	Hawaii,U.S.A.	19.3897N	155.2820W	1038	From 1958-07-01
Outpost Mountain	YUK6	Yukon Territory,Canada	60.9432N	138.3626W	2233	From 2010-08-29
Ovalau	OVA	Fiji	17.6862S	178.7837E	439	From 1979-10-01
Ovalle	OVCH	Coquimbo,Chile	30.6080S	71.2010W	222	
Ovando	OVMT	Montana,U.S.A.	47.0643N	112.9967W	1494	
Ova Spin	OSS	Switzerland	46.6868N	10.1437E	1700	From 1982-01-01 to 2002-01-02
Over Castle Rock	OCN	New York,U.S.A.	43.8848N	74.5293W	701	From 1974-07-01 to 1979-07-31
Overton	OVE	Nevada,U.S.A.	36.5311N	114.4420W	395	From 1940-07-01 to 1952-07-31
Owase	OWA	Mie,Japan	34.0667N	136.1950E	17	
Owens Crossroads	OCA	Alabama,U.S.A.	34.6138N	86.4352W	250	
Owens Ranch, Tucumcari	W26A	New Mexico,U.S.A.	35.0891N	103.7656W	1314	From 2008-05-08
Owens River	ORC	California,U.S.A.	37.6353N	118.6560W	2301	From 1979-11-01
Owia	SOA	St Vincent,Saint Vincent and the Grenadines	13.3735N	61.1486W	40	
Owl Hoot	OHTN	Tennessee,U.S.A.	36.1500N	89.5200W	82	
Oxenhope Moor	OMWY	England,United Kingdom	53.7909N	1.9799W	438	
Oxford	OXZ	South Island,New Zealand	43.3259S	172.0383E	360	From 2009-03-14
Oxford	OXD	England,United Kingdom	51.7667N	1.2500W	61	
Oxford	OXF	Mississippi,U.S.A.	34.5118N	89.4092W	101	From 1993-09-17
Ox Mountain	OXMT	California,U.S.A.	37.4994N	122.4243W	14	
Oxtotitlan	OXM	Mexico D.F.,Mexico	19.2972N	99.6883W	2700	
Oya 1	OYT	Hyogo,Japan	35.3339N	134.6645E	260	
Oya 2	OYT2	Hyogo,Japan	35.3218N	134.6658E	230	
Oyama	OYM	Kanagawa,Japan	35.4201N	139.2430E	600	From 1970-04-01
Ozark Folk Center	FCAR	Arkansas,U.S.A.	35.8898N	92.1242W	190	
Ozernaya	OZE	Buryatiya,Russia	56.3000N	113.9800E	620	
PA01 North	PA01	British Columbia	48.6526N	123.4470W	3	From 2010-12-09
PA02 Ocean	PA02	British Columbia	48.6518N	123.4489W	3	From 2010-12-09
PA03 Flamable	PA03	British Columbia	48.6517N	123.4448W	8	From 2010-12-09
PA04 Cage	PA04	British Columbia	48.6510N	123.4462W	8	From 2010-12-09
PA05 Willingdon	PA05	British Columbia	48.6497N	123.4438W	8	From 2010-12-09
PA12 Sannich	PA12	British Columbia	48.6482N	123.4496W	10	From 2010-12-09
Pacaya	PCG	Guatemala	14.3938N	90.6075W	2100	From 1987-03-01
Pacheco Lake	HPCM	California,U.S.A.	37.0599N	121.2758W	468	
Pacheco Lake	PCL	California,U.S.A.	37.0520N	121.2911W	125	From 1968-05-10 to 2011-07-26
Pacheco Lake	AN4*	California,U.S.A.	37.0520N	121.2911W	125	From 1968-05-10 to 2011-07-26
Pacheco Lake	HPLM	California,U.S.A.	37.0520N	121.2911W	125	From 1968-05-10 to 2011-07-26
Pacheco Peak	PACP	California,U.S.A.	37.0080N	121.2870W	844	
Pacific Creek	PACW	Wyoming,U.S.A.	43.9023N	110.4850W	2140	From 1986-01-01
Pacitan	PCJI	Jawa,Indonesia	8.1947S	111.1771E	0	From 2007-12-01
Packway	APAE	England,United Kingdom	52.3006N	1.4782E	58	From 1984-01-01
Padang	PDSI	Sumatera,Indonesia	0.9118S	100.4617E	276	From 2005-01-01
Padang Panjang	PPI	Sumatera,Indonesia	0.4568S	100.3970E	0	
Padua	PAD	Italy	45.4086N	11.8861E	12	
Paducah	PAKY	Kentucky,U.S.A.	37.0570N	88.7720W	76	From 1990-10-01
Paea	PAE	Tahiti,French Polynesia	17.6619S	149.5800W	10	
Paeroa	PATZ	North Island,New Zealand	38.3814S	176.2580E	940	From 1991-01-01
Pagadian	PAGZ	Mindanao,Philippines	7.8480N	123.3820E	50	
Pagan	PAGN	Mariana Islands	18.0750N	145.7310E	540	From 1992-07-01
Pagan Volcano	PAGV	Mariana Islands	18.1250N	145.7700E	10	From 1992-07-01
Page	PGAZ	Arizona,U.S.A.	36.9057N	111.4620W	1272	
Pagerwojo	PWJI	Jawa,Indonesia	8.0220S	111.8039E	0	From 2007-12-01
Pagoda	O21A	Colorado,U.S.A.	40.2149N	107.4705W	2343	From 2007-11-10
Pagosa Springs	PGS	Colorado,U.S.A.	37.2653N	107.0210W		
Pahaquarry	PQN	New Jersey,U.S.A.	41.0073N	75.0858W	229	
Pahoa	PAH	Hawaii,U.S.A.	19.4950N	154.9470W	205	From 1958-01-01 to 1969-01-01
Pahoa Fire House	PFH	Hawaii,U.S.A.	19.4969N	154.9490W	201	From 1986-01-01
Pah Rah Range	PAHR	Nevada,U.S.A.	39.7065N	119.3842W	1500	
Pahroc Range	PRN	Nevada,U.S.A.	37.4067N	115.0508W	1402	
Pahute Mesa	PMN	Nevada,U.S.A.	37.2807N	116.3020W	2141	From 1973-06-05 to 1973-06-22
Pahute Mesa	LO2	Nevada,U.S.A.	37.1979N	116.3790W	2019	From 1973-05-01 to 1975-12-31
Pahute Mesa Site	PH4NV	Nevada,U.S.A.	37.2556N	116.4636W	1917	
Pahute Mesa Site	PH-NV	Nevada,U.S.A.	37.2983N	116.5481W	1792	
Pahute Mesa Site	PH2NV	Nevada,U.S.A.	37.2422N	116.4644W	1908	
Pahute Mesa Site	PH3NV	Nevada,U.S.A.	37.3725N	116.5286W	1603	
Paiam	PIAM	Papua New Guinea	5.4650S	143.1490E	2220	
P Aileron	PAI	Martinique	14.8044N	61.1564W	844	
Pajala	PAJU	Sweden	67.0240N	23.1130E	500	From 2004-04-17
Pak Chong	PCT	Thailand	14.6808N	101.4110E	360	From 1978-10-01
Pakihiroa	PKGZ	North Island	37.8664S	178.0805E	405	From 2010-06-22
Pakoon Wash	U13A	Arizona,U.S.A.	36.4151N	113.9653W	712	From 2007-02-16 to 2008-11-12
Pala Acreide	HPAR	Sicily,Italy	37.0750N	14.9980E	600	From 1994-05-01
Palacio de Doana, Huelva	E010	Spain	36.9886N	6.4431W	52	From 2007-09-24 to 2009-06-24
Palaiochora Chania	KNDR	Crete,Greece	35.2340N	23.6857E	25	From 2006-12-01
Palaion Diasellon	DSL	Greece	39.1338N	21.0963E	525	From 2008-02-22
Pala-Maneri	PLMI	Uttar Pradesh,India	30.8417N	78.6292E	1640	From 1987-10-01
Palana	PALN	Kamchatskaya Oblast',Russia	59.0890N	159.9660E	38	From 2008-11-13
Palanan	PALP	Luzon,Philippines	17.0630N	122.4250E	50	
Palangkaraya	PKKI	Kalimantan	2.2410S	113.9721E	69	
Palangkaraya	PLKI	Kalimantan,Indonesia	2.2262S	113.9453E	70	From 2005-01-01
Palau	PLA	Caroline Islands,Palau	7.3333N	134.4830E	390	
Palau	PALU	Caroline Islands,Palau	7.3436N	134.4741E	10	
PALAU INFRASONIC ARRAY REFERENCE POINT	I39PW	Caroline Islands	7.5355N	134.5470E	100	From 2005-08-10
Palau Saverdera	CPAL	Spain	42.3116N	3.1636E	223	From 2007-03-01
Palayan	PCPH	Luzon,Philippines	15.5620N	121.0960E	7	
Palazzolo	PZI	Sicily,Italy	37.0571N	14.9476E	603	From 1983-10-01
Palazzo San Gervasio	PALZ	Italy	40.9441N	15.9602E	450	From 2006-08-07
Palemas	MPAL	Morocco	35.2250N	3.9420W	412	From 1994-02-15
Palembang	PMBI	Sumatera,Indonesia	2.9270S	104.7720E	30	From 2005-01-01 to 2009-05-29
Paleo Inst,Ithaca	PRNY	New York,U.S.A.	42.4666N	76.5361W	205	
Palermo	PLR	Sicily,Italy	38.1440N	13.3477E	60	
Palermo	PAM	California,U.S.A.	39.4488N	121.5200W		From 1976-01-01
Paliouri	PAIG	Greece	39.9272N	23.6797E	140	From 1981-01-01
Palisades	PAL	New York,U.S.A.	41.0055N	73.9079W	66	
Palizzi	MPAZ	Sicily,Italy	37.9531N	16.0067E	496	From 2006-09-20
Pallekele	PALK	Sri Lanka	7.2728N	80.7022E	460	
Palliser	PLWZ	North Island,New Zealand	41.5709S	175.2546E	638	From 2007-04-19
Palma Real	PALR	Venezuela	11.0000N	63.9110W	920	From 1984-01-01
Palmaria, Porto Venere	PLMA	Italy	44.0498N	9.8507E	22	From 2010-03-28
Palmasola	PSM	Oaxaca,Mexico	16.7048N	95.0410W	750	From 1990-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Palm-Egli Farm, Albin	M25A	Wyoming,U.S.A.	41.4347N	104.0551W	1636	From 2008-11-13
Palmela	PLML	Portugal	38.5550N	8.9033W	216	
Palmer	PLMR	South Australia,Australia	34.8728S	139.1508E	138	From 2006-08-10
Palmer	PMR	Alaska,U.S.A.	61.5922N	149.1310W	100	From 1967-09-01
Palmer East	PME	Alaska,U.S.A.	61.6283N	149.0317W	232	From 1980-09-01 to 1999-08-25
Palmer High School	PHSA	Alaska,U.S.A.	61.6089N	149.1487W	144	
Palmer Road	PREZ	North Island,New Zealand	39.3421S	174.1589E	613	From 2010-02-23
Palmer South	PMS	Alaska,U.S.A.	61.2447N	149.5610W	716	From 1967-05-25 to 2005-08-05
Palmer Station	PMSA	Antarctic Peninsula	64.7742S	64.0490W	10	From 1993-03-01
Palmer USGS	PLRM	Alaska,U.S.A.	61.5922N	149.1310W	100	From 1984-09-20
Palmer West	PWA	Alaska,U.S.A.	61.6508N	149.8790W	137	From 1967-05-23 to 2005-08-05
Palmi	ME03	Italy	38.3301N	15.8374E	567	From 2007-10-20 to 2009-02-05
Palmichal	PALM	Venezuela	10.2046N	64.4388W	1100	From 1984-01-01 to 1999-08-25
Palm Springs	PSP	California,U.S.A.	33.7938N	116.5490W	195	
Palmyra I.	PR-	Line Islands,Kiribati	5.8881N	162.0942W	3	From 1962-04-06 to 1962-11-04
Palmyra Island	PR-IS	Line Islands,Kiribati	5.8881N	162.0942W	3	From 1962-04-06 to 1962-11-04
Palo	PLP	Leyte,Philippines	11.1650N	124.9790E	133	From 1975-10-01
Palo Alto--Branner	PAC	California,U.S.A.	37.4167N	122.1820W	83	From 1927-11-21 to 1965-05-31
Palomar	PLM	California,U.S.A.	33.3534N	116.8620W	1692	From 1939-09-07
Palomares Rd	LT18	California,U.S.A.	37.6313N	121.9560W	463	From 1969-06-29 to 1980-01-23
Palomares Road	PLC	California,U.S.A.	37.6313N	121.9560W	463	From 1969-06-29 to 1980-01-23
Palomares Road	CPLM	California,U.S.A.	37.6375N	121.9610W	317	From 1980-01-23 to 2008-07-16
Palomo	PALO	Costa Rica	9.7850N	83.8203W	1440	
Palora	PALA	Ecuador	1.6917S	77.9562W	908	
Palos Verdes	PVPS	California,U.S.A.	33.7867N	118.4030W		
Palos Verdes	PVR	California,U.S.A.	33.7583N	118.3570W	340	From 1956-03-21 to 1981-09-30
Palos Verdes	PVRC	California,U.S.A.	33.7522N	118.3710W	183	From 1981-09-30
Palo Verde	A494	Costa Rica	10.3465N	85.3503W	0	From 2000-01-01
Palu	PLU	Turkey	38.7000N	39.9308E	979	From 1973-09-12
Palu	PCI	Sulawesi,Indonesia	0.9054S	119.8366E	150	From 1981-01-01
Palub	PALB	Xizang Zizhiqu,China	29.6533N	91.1330E	3675	From 2004-08-27
Pamatai, Papeete	PPTF	Tahiti,French Polynesia	17.5896S	149.5652W	705	From 2009-04-25
Pamplona	EXPA	Spain	42.8140N	1.6250W	478	
Panagyurishte	PGB	Bulgaria	42.5500N	24.1667E	775	
Panama	BASP	Panama	9.0249N	79.5536W	0	From 2008-10-16
Panamint Range	PANV	California,U.S.A.	36.3932N	117.0990W	1697	From 1988-04-01
Panamint Range	PGE	California,U.S.A.	36.3489N	117.0660W	1850	From 1987-11-28 to 1988-02-13
Panarea	PLI	Sicily,Italy	38.6281N	15.0619E	98	
Panarea 2	ME12	Sicily,Italy	38.6315N	15.0700E	119	From 2007-11-06 to 2010-01-31
Panarea IE	IPAN	Sicily,Italy	38.6393N	15.0702E	30	From 1985-01-01
Panarotta	PANI	Italy	46.0489N	11.3081E	1850	From 1981-06-15
Panbari	PNBI	Assam,India	26.5333N	93.4833E	350	
Panbu Gunsar	TAGA	Xizang Zizhiqu,China	29.7400N	91.4600E	3788	From 2006-01-19
Pancar Batu	PCBI	Sumatera,Indonesia	1.8900N	98.9253E	1000	
Pancar Gunung	PACI	Jawa,Indonesia	6.5928S	106.9100E	850	From 1991-10-01
Panda Hill	PDHT	,United Republic of Tanzania	8.9832S	33.2417E	1340	From 1992-06-08
Pandan	PAP	Panay,Philippines	11.7335N	122.1150E		From 1977-04-28 to 1980-04-30
Pandan	PDP	Panay,Philippines	11.7143N	122.0962E		From 1980-04-01
Panekirikiri	PAHZ	North Island,New Zealand	38.8592S	177.0540E	563	From 1983-03-01 to 2003-09-09
Pangkalan Bun	PBKI	Kalimantan,Indonesia	2.7047S	111.6697E	74	From 2005-01-01
Pangkal Pinang	PPBI	Bangka	2.1616S	106.1364E	64	From 2005-01-01
Panguitch	S15A	Arizona,U.S.A.	37.6761N	112.3627W	2102	From 2007-05-15 to 2008-11-15
Panguna	PAA	Bougainville,Papua New Guinea	6.3006S	155.4910E	699	From 1972-12-04
Panhandle Gap, Mount Rainier	PANH	Washington,U.S.A.	46.8590N	121.6426W	2109	
Panimavida	PAN	Linares,Chile	35.7517S	71.4032W	175	
Panska Ves	PVCC	Czech Republic	50.5282N	14.5689E	311	
Pantabangan	PEP	Luzon,Philippines	15.8110N	121.1070E		
Pantelleria	PTS	Sicily,Italy	36.8111N	11.9961E	100	
Pantelleria Cuddia di Mida	PTMD	Sicily,Italy	36.7884N	11.9933E	615	From 2010-07-13
Paolisi	PAOL	Italy	41.0312N	14.5675E	715	From 2010-02-26
Papamoa	PARZ	North Island,New Zealand	37.7335S	176.2900E	180	
Papanoa	PPNM	Guerrero,Mexico	17.3005N	101.0378W	260	
Papayo	PPOM	Guerrero,Mexico	17.0200N	100.2400W	100	
Papeete	THT	Tahiti,French Polynesia	17.5690S	149.5740W	337	
Papeete	PPT	Tahiti,French Polynesia	17.5682S	149.5761W	258	
Papeete2	PPT2	Tahiti,French Polynesia	17.5896S	149.5764W	705	From 2008-11-27
Papenoo	PPN	Tahiti,French Polynesia	17.5308S	149.4320W	100	
Paphos	PPCY	Cyprus	34.8847N	32.3450E	60	From 1987-02-01
Papudo	PACH	Valparaiso,Chile	32.5370S	71.4370W	692	
Paracas	PCS	Peru	13.8033S	76.2783W	100	
Parade	G28A	South Dakota,U.S.A.	45.0749N	100.9161W	709	From 2009-06-11
Paradise	PARR	Nevada,U.S.A.	38.7707N	117.8965W	1774	
Paradis Home	SHVB	British Columbia,Canada	48.4723N	123.6360W	69	From 2003-02-27
Paradox Valley	PV01	Colorado,U.S.A.	38.1344N	108.5700W	2182	
Paradox Valley	PV15	Colorado,U.S.A.	38.3418N	108.4810W	2280	
Paradox Valley	PV08	Colorado,U.S.A.	38.5763N	108.6470W	2940	
Paradox Valley	PV02	Colorado,U.S.A.	38.2073N	108.7370W	2166	
Paradox Valley	PV10	Colorado,U.S.A.	38.3763N	109.0390W	2316	
Paradox Valley	PV04	Colorado,U.S.A.	38.3934N	108.9050W	1756	
Paradox Valley	PV06	Colorado,U.S.A.	38.3325N	108.4580W	2213	
Paradox Valley	PV03	Colorado,U.S.A.	38.2543N	108.8480W	2007	
Paradox Valley	PV05	Colorado,U.S.A.	38.0782N	109.0990W	2115	
Paradox Valley	PV09	Colorado,U.S.A.	38.4987N	109.1330W	2652	
Paradox Valley	PV07	Colorado,U.S.A.	38.4380N	108.6470W	2001	
Paragould	PGA	Arkansas,U.S.A.	36.0600N	90.6200W	152	From 1974-12-28 to 1992-02-29
Paraibuna	PARB	Sao Paulo,Brazil	23.3382S	45.6217W	767	From 1993-12-01
Paraiso	PRS	California,U.S.A.	36.3317N	121.3700W	363	From 1961-01-01
P'arak'ar	PAAR	Armenia	40.1500N	44.3800E	890	From 1993-08-01
Paralimni	PHNC	Cyprus	35.0040N	34.0320E	175	
Paramo de la Osa	OSV	Venezuela	8.6410N	71.4870W	1780	
Paramo Marino	PDMV	Venezuela	8.3190N	71.8280W	2416	
Paran	PRNI	Israel	30.3519N	35.0046E	411	
Paran Flat	KRMI	Israel	30.1174N	34.7250E	468	From 2006-12-07
Parapanda	PARA	Spain	37.3052N	3.9065W	1328	
Paraskevi	PRK	Greece	39.2461N	26.2717E	100	
Paravola	PVO	Greece	38.6167N	21.5259E	185	From 2009-09-02
Parchiule	PARC	Italy	43.6486N	12.2386E	580	From 2008-04-01
Parcperdue Array	LSU3	Louisiana,U.S.A.	30.0492N	92.0071W	-24	
Parcperdue Array	LSU2	Louisiana,U.S.A.	30.0785N	92.0315W	-24	
Parcperdue Array	LSU5	Louisiana,U.S.A.	30.0673N	92.0542W	-24	
Parcperdue Array	LSU1	Louisiana,U.S.A.	30.0733N	91.9821W	-23	
Parcperdue Array	LSU4	Louisiana,U.S.A.	30.0350N	92.0463W	-22	
Parga	RGA	Greece	39.3212N	20.3544E	608	From 2007-11-06
Pariaguan	PARV	Venezuela	8.9650N	64.7960W	205	From 2002-04-04
PARIÁGUAN	PRGV	Venezuela	8.7601N	64.6456W	175	From 2006-06-14
Pari Array Site 0	PAK0	Pakistan	33.6500N	73.2520E	0	
Paris	PAR	Ile-de-France,France	48.8094N	2.4936E	47	
Paritu Road	PRGZ	North Island,New Zealand	38.9243S	177.8831E	503	From 2007-08-24
Parker Dam,Lake Havasu City	PDMCI	Arizona,U.S.A.	34.3000N	114.1400W	144	From 2004-04-01
Parker Ranch, Bruneau	K11A	Idaho,U.S.A.	42.7713N	116.0323W	914	From 2007-02-06 to 2008-07-23
Parkers Pond	PKN	Newfoundland,Canada	47.5858N	52.7833W	210	
Parkfield	PKD1	California,U.S.A.	35.8894N	120.4261W	431	
Parkfield	PKD	California,U.S.A.	35.9452N	120.5416W	583	
Parkfield Array	PKF	California,U.S.A.	35.8818N	120.4130W	469	From 1968-01-11
Parkfield Array	PPFM	California,U.S.A.	35.8818N	120.4130W	469	From 1968-01-11
Park Hill	PKH	California,U.S.A.	36.8563N	121.4060W	122	From 1970-08-17
Park Hill	HPHM	California,U.S.A.	36.8563N	121.4060W	122	From 1970-08-17
Parma	PARMO	Missouri,U.S.A.	36.6635N	89.7522W	85	
PARMA	PRMA	Italy	44.7637N	10.3131E	78	From 2008-06-04
Parndana	PARN	South Australia,Australia	35.8059S	137.2389E	140	
Parnis Oros	MPAR	Greece	38.1513N	23.7357E	1160	
Parod	PARD	Israel	32.5573N	35.2609E	399	
Parque de las Ciencias	APCG	Spain	37.1900N	3.5900W	0	
Parque Tenorio	PTEN	Costa Rica	10.7148N	84.9870W	712	From 2000-01-01
Pars	IPAR	Iran	29.8419N	53.0485E	2603	From 2002-10-01
Parsons	PB-	Tennessee,U.S.A.	35.7361N	88.1361W	122	From 1962-07-06 to 1962-07-11
Parsons	PB-TN	Tennessee,U.S.A.	35.7361N	88.1361W	122	
Parsons Mountain	PRM	South Carolina,U.S.A.	34.0830N	82.3630W	254	From 1975-07-04
Partacoona	PNA	South Australia,Australia	32.0061S	138.1650E	180	From 1969-09-01 to 2001-09-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Paruwai Farm	PAWZ	North Island,New Zealand	41.3825S	175.4262E	331	From 2004-07-14
Parvadeh(Tabas)	TPRV	Iran	33.0281N	56.6858E	1022	From 2011-08-01
Parys	PRYS	Orange Free State,South Africa	26.9253S	27.3598E	1403	From 2004-03-01
Parys	PRY	Orange Free State,South Africa	26.9283S	27.4733E	1455	
Pasadena	PAS	California,U.S.A.	34.1484N	118.1711W	257	From 1927-03-17 to 2007-10-26
Pasadena Art Cn	PASC	California,U.S.A.	34.1714N	118.1852W	341	
Pas de la Coche	PCHF	Rhone-Alpes,France	45.2182N	6.0304E	2010	From 1980-08-01
Pas du Roy	PRGF	Guadeloupe	16.0362N	61.6622W	1070	
Pasian Peak	PPH	Mindanao,Philippines	7.8492N	126.1872E		From 1980-01-18
PASIGHAT	PASG	Arunachal Pradesh	27.6449N	91.8666E	297	From 2011-01-15
Pasiripis	PASI	Jawa,Indonesia	6.6894S	105.5890E	220	From 1991-10-01
Paso Flores	PLCA	Rio Negro,Argentina	40.7328S	70.5508W	956	
Paso Robles	PPRM	California,U.S.A.	35.6477N	120.7010W	279	
Passo dei Salati	SATI	Italy	45.8753N	7.8685E	3005	From 2009-12-07
Passo delle Capannelle	RM26	Italy	42.4569N	13.3563E	1404	From 2009-06-19 to 2010-03-03
Pasto	PSO	Colombia	1.1919N	77.3253W	3010	
Pastocalle	PAST	Colombia	0.6942S	78.6418W	3461	From 2009-06-17
Pasture Canyon	PST	Utah,U.S.A.	39.5767N	110.3520W	2118	From 1962-01-01 to 1977-03-31
Pasuquin	PIP	Luzon,Philippines	18.3250N	120.6190E	150	From 1976-01-26
Patacocha	PAT1	Ecuador	1.5067S	78.4380W	3751	From 2008-08-20
Patacocha	PATA	Ecuador	1.5033S	78.4335W	3725	
Patelzick Creek	PZCI	Idaho,U.S.A.	44.3410N	112.3170W	2073	From 1991-12-08
Paterson	PNJ	New Jersey,U.S.A.	40.9071N	74.1548W	31	From 1972-03-01 to 1996-09-30
Paterson	PATW	Washington,U.S.A.	45.8819N	119.7535W	262	
Paterson 2	PAT2	Washington,U.S.A.	45.8836N	119.7578W	259	
Patience	SLPA	St Lucia	13.8537N	60.9190W	183	
Patocco-Chiusaforte	PTCC	Italy	46.4053N	13.3533E	770	
Patos De Minas	PMNB	Minas Gerais	18.5373S	46.4380W	949	
Patquia	RTPR	La Rioja,Argentina	30.3022S	66.5114W		
Patras	PAT	Greece	38.2364N	21.7467E	40	
Pattaya	PATY	Thailand	12.9232N	100.8657E	39	
Patterson Ranch, Waldron	T33A	Kansas,U.S.A.	37.0824N	98.2444W	394	From 2009-10-15
Patty Peak	PTPK	Alaska,U.S.A.	61.1874N	142.4650W	1933	
Pauahi	PUH	Hawaii,U.S.A.	19.3770N	155.2180W	994	From 1974-03-01
Paularo	PLRO	Italy	46.5497N	13.1481E	1420	From 1988-01-01
Paul Sauer Dam	PSR	Cape Province,South Africa	33.6800S	24.4100E	360	From 1988-01-01 to 2009-06-05
Paul Wright Trailer	PWTG	California,U.S.A.	38.2773N	119.2520W	1996	From 1979-11-15
Pauzhetka	PAU	Kamchatskaya Oblast',Russia	51.4669N	156.8111E	110	
Pavia	EUCT	Italy	45.2026N	9.1349E	82	From 2006-06-26
Pavia	PAV	Italy	45.1833N	9.1736E	77	
Pavliani	VPA	Greece	38.7815N	22.3400E	1084	From 1982-10-01
Pavlikeni	PVL	Bulgaria	43.2167N	25.3333E	97	From 1965-01-01
Pavlof North-6	PN6	Alaska,U.S.A.	55.4528N	161.9205W	808	From 1996-07-01
Pavlof North-7A	PN7A	Alaska,U.S.A.	55.4326N	161.9982W	823	From 1996-07-01
Pavlof South-1A	PS1A	Alaska,U.S.A.	55.4212N	161.7422W	293	From 1996-07-01
Pavlof South-4	PS4	Alaska,U.S.A.	55.3540N	161.8682W	520	
Pavlof South-4A	PS4A	Alaska,U.S.A.	55.3460N	161.8561W	322	From 1996-07-01
Pavlof Volcano	PVV	Alaska,U.S.A.	55.3742N	161.7900W	164	
Pawanui	PWZ	New Zealand	40.0296S	176.8620E	65	
Pawanui	PXZ	North Island,New Zealand	40.0325S	176.8620E	80	From 2005-08-21
Paxson	PAX	Alaska,U.S.A.	62.9708N	145.4690W	1130	From 1969-07-01
Payao	PAYA	Thailand	19.3603N	99.8692E	408	
Payeh	IPAY	Iran	36.4500N	58.9960E	2100	From 2004-06-01
Payette	I10A	Idaho,U.S.A.	44.0860N	116.8029W	782	From 2006-10-26 to 2008-07-19
Paynes Creek	O03D	California,U.S.A.	40.2947N	121.8018W	968	
Payson	PY-AZ	Arizona,U.S.A.	34.2542N	111.3269W	1516	
Payson	PY-	Arizona,U.S.A.	34.2542N	111.3269W	1516	
Pazar-Rize	PZAR	Turkey	41.1780N	40.8988E	80	From 2007-03-01
Peach Tree Valley	PPTM	California,U.S.A.	36.1083N	120.7210W	506	From 1970-04-16
Peach Tree Valley	PTV	California,U.S.A.	36.1083N	120.7210W	506	From 1970-04-16
Peak Mountain	PKM	California,U.S.A.	34.8958N	119.8190W	1704	From 1976-08-01
Peaks-Kenny Pk	PKME	Maine,U.S.A.	45.2644N	69.2917W	108	
Pea Ridge	PEA	Alabama,U.S.A.	33.2553N	87.4943W	107	
Pea Ridge Mine	MMM	Missouri,U.S.A.	38.1300N	91.0400W	-244	
Pearl BPA Site DOGAMI SMO	PERL	Oregon,U.S.A.	45.2382N	122.7790W	68	From 2002-03-19
Pearl Lake	PLID	Idaho,U.S.A.	45.0877N	116.0003W	2194	
Pechorkino, Salair, Kemerovskaya Oblast', Russia	SALR	Altayskiy Kray	54.4169N	85.7029E	250	From 2005-03-02
Pechory	PECR	Nizhegorodskaya Oblast',Russia	56.3167N	44.0833E		
Peckham Road	HPRM	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Peckham Road	AN8*	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Peckham Road	PKC	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Pedasi@15	AZU2	Panama	7.5340N	80.0260W	66	
Pedernales	PEDR	Haiti	18.0362N	71.7461W	0	
Pedernales	PDNS	Ecuador	0.1114N	79.9910W	139	From 2009-04-24
Pedra do Cavalo	PDCR	Bahia,Brazil	12.5313S	39.1225W	220	From 1987-01-01
Pedras Altas	PLTB	Rio Grande do Sul	31.7632S	53.6039W	397	
Pedro Bay	PDB	Alaska,U.S.A.	59.7878N	154.1920W	305	From 1979-02-22
Pedro Cerda	PED	South Shetland Islands	62.9394S	60.5850W	10	
Pedro de Valdivia	PECH	Antofagasta,Chile	22.5975S	69.6742W	0	
Pedro Dome	PJD	Alaska,U.S.A.	65.0350N	147.5080W	740	From 1967-01-01 to 1971-11-30
Pedrog??o	PDRG	Portugal	38.1000N	7.6400W	107	From 2007-06-28
Pedro Velho	NBPV	Rio Grande do Norte	6.4177S	35.2906W	85	From 2011-04-05
Peine	PEI	Antofagasta,Chile	24.6833S	68.0667W	5000	
Peje	PEJK	Kosovo	42.6425N	20.2784E	822	From 2008-07-06
Pelados	CHP1	Peru	4.6719S	80.4911W	150	From 1979-12-01
Peldehue	PEL	Santiago,Chile	33.1436S	70.6853W	690	
Peleduy	PDY	Sakha,Russia	59.6333N	112.7003E	300	
Peleduy Array Beam Reference Point	PDYAR	Sakha,Russia	59.6553N	112.4408E	489	
Peleduy Array Site 31	PDY31	Sakha,Russia	59.6175N	112.6361E	280	
Pelee Case Petit	PCM	Martinique	14.8155N	61.2105W	335	
Pelee Island, Stone Alvar Conservation Area	PLIO	Ontario,Canada	41.7505N	82.6284W	143	
Pelican Cone	YPPC	Wyoming,U.S.A.	44.6480N	110.1925W	2932	
Pellescritta (Montereale)	RM33	Italy	42.5090N	13.2145E	1097	From 2010-09-03
Pemberton	PMB	British Columbia,Canada	50.5188N	123.0760W	400	From 1993-06-05 to 2004-11-10
Pembroke	PEMO	Ontario,Canada	45.6773N	77.2466W	180	
Pembroke	HPE	Wales,United Kingdom	51.9371N	4.7745W	355	From 1990-01-01
Pemiscott Bayou	PEBM	Missouri,U.S.A.	36.1131N	89.8623W	76	
Pen@16o@15n de Ve@15lez	PVLZ	Morocco	35.1730N	4.3010W	0	
Penalolen	FSR	Santiago,Chile	33.4785S	70.5275W	781	
Pe˜–a Musera	YMUS	Spain	42.5838N	1.0202W	594	From 2010-05-01
Penas	PNS	Bolivia	16.2672S	68.4733W	3986	From 1963-01-01 to 1975-12-31
Penc	PENC	Hungary	47.7905N	19.2817E	250	
Pendagan	PENI	Sumatera,Indonesia	5.5667S	105.1710E	200	From 1991-10-01
Pen de Alhucemas	ALHU	Morocco	35.2133N	3.8900W	60	From 2008-01-16 to 2009-07-08
Pender Island	PIB	British Columbia,Canada	48.8167N	123.3170W	40	From 1975-11-01 to 1981-04-27
Pendleton	PT-	Oregon,U.S.A.	45.6111N	118.8839W	411	From 1962-01-26 to 1963-07-29
Pendleton	PNO	Oregon,U.S.A.	45.6120N	118.7630W	402	From 1975-06-01
Pendleton	PT-OR	Oregon,U.S.A.	45.6111N	118.8839W	411	From 1962-01-26 to 1963-07-29
Pendleton	F08A	Oregon,U.S.A.	45.7971N	118.7768W	487	From 2006-07-30 to 2008-06-05
Pengchaiyu	PCYT	Taiwan region	25.6294N	122.0713E	101	
Penghu	PNG	Taiwan region	23.5672N	119.5550E	11	
P'eng-hu	PHUB	Taiwan region	23.5133N	119.5720E	15	
Peninsula	PNL	Alaska,U.S.A.	59.6687N	139.3970W	579	From 1974-09-02
Penmaenmawr	WPM1	Wales,United Kingdom	53.2581N	3.9048W	353	From 1985-01-01
Penman	PENMO	Missouri,U.S.A.	36.4502N	89.6280W	85	
Pennisi	EPIS	Sicily,Italy	37.6508N	15.1237E	385	From 1994-10-01
Penn State University	WRPS	Pennsylvania,U.S.A.	40.7941N	77.8653W	320	
Penn State Wilkes-Barre	PSWB	Pennsylvania,U.S.A.	41.3055N	76.0152W	398	
Penn St. - Brandywine Campus	PSUB	Pennsylvania,U.S.A.	39.9274N	75.4514W	110	
Pennsylvania Geol. Surv.	PAGS	Pennsylvania,U.S.A.	40.2278N	76.7221W	120	
Penon de los Banos, D. F.	PBIG	Mexico	19.4412N	99.0843W	0	
Penonome	PNME	Panama	8.4860N	80.3269W	79	From 2010-05-10
Penrod	PNR	Nevada,U.S.A.	38.8213N	118.7940W		
Pensacola	PEN	Florida,U.S.A.	30.4667N	87.1833W		
Pensacola State College	PJC	North America,U.S.A.	30.4806N	87.2011W		
Pentalofos	PENT	Greece	40.1958N	21.1384E	1090	From 2010-10-21
Penteli	PTL	Greece	38.0489N	23.8647E	500	
Penticton	PNT	British Columbia,Canada	49.3167N	119.6170W	550	From 1960-01-01
Pentidattilo	ME09	Italy	37.9524N	15.7564E	244	From 2008-06-28 to 2010-01-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Penuelas	PNP	Puerto Rico	18.0583N	66.6836W	200	From 1975-07-30
Penzance	CPZ	England,United Kingdom	50.1560N	5.5835W	198	From 1981-01-01
Pera	PFPE	Portugal	37.1340N	8.3178W	33	From 1996-01-01 to 2009-05-30
Peraleda del Zaucejo, Badajoz	E030	Spain	38.4684N	5.6264W	627	From 2007-09-16 to 2009-06-17
Peralta Trail, Apache Junction	Z16A	Arizona,U.S.A.	33.3410N	111.4273W	537	From 2007-03-15 to 2008-12-03
Peran	IPRN	Iran	36.2419N	52.3381E	1333	From 2000-08-01
Perchaven, Sanger	Z35A	Texas,U.S.A.	33.3308N	97.2530W	235	From 2009-11-11
Perdido Creek Ranch, Del Rio	631A	Texas,U.S.A.	29.4123N	100.5759W	344	From 2009-02-19
Perigny	PRYF	Poitou-Charentes,France	46.1635N	1.0507W	30	
Permogore	PRGR	Arkangel'skaya Oblast',Russia	61.6362N	45.6272E	84	
Pernaja	PVF	Finland	60.5451N	25.8616E	45	From 1991-06-11
Pernice	PERS	Slovenia	46.6359N	15.1167E	795	
Perris	PRR	California,U.S.A.	33.7800N	117.2330W	440	
Perris	PEC	California,U.S.A.	33.8919N	117.1610W	616	From 1970-01-01
Perry Basin	PBU	Utah,U.S.A.	41.4682N	112.0100W	1625	From 1975-09-01 to 1981-11-30
Perryville	PV-AR	Arkansas,U.S.A.	34.9294N	92.6700W	213	From 1962-06-15 to 1962-06-28
Perryville	PV-	Arkansas,U.S.A.	34.9294N	92.6700W	213	From 1962-06-15 to 1962-06-28
Perryville	PRYA	Alaska,U.S.A.	55.9088N	160.1700W	20	From 1993-06-01
Persembe	PERT	Turkey	41.0792N	37.7358E	480	From 1994-06-01 to 1999-09-23
Pertek	PTK	Turkey	38.8920N	39.3920E	1835	From 2004-08-30
Perth	PER	Western Australia,Australia	31.9527S	115.8390E	55	
Perugia	PEG	Italy	43.1014N	12.3969E	495	
Perugia	PRG	Italy	43.1014N	12.3969E	495	
Pesaro	PESA	Italy	43.9410N	12.8402E	221	From 2002-12-02
Pesaro	PRO	Italy	43.9167N	12.9167E		From 1976-06-01
Pesaro	PS1	Italy	43.9167N	12.9167E		From 1976-06-01
Pescadero	PSD	California,U.S.A.	37.1990N	122.3480W	84	From 1970-11-25
Pescasseroli (AQ)	T0204	Italy	41.8666N	13.7809E	1371	From 2009-10-08 to 2010-01-22
Pesch	BD10	Nordrhein-Westfalen,Germany	51.0548N	6.4572E	80	From 2001-01-01 to 2006-11-30
Pescosannita	PSB1	Italy	41.2234N	14.8108E	551	
Pescosannita	IPES	Italy	41.2333N	14.8333E	395	From 1999-01-01
Peshawar	PSH	Pakistan	33.9371N	71.4341E	456	From 1976-01-01
Peshawar	PES	Pakistan	34.0050N	71.5483E		
Peshkopia	PHP	Albania	41.6847N	20.4408E	728	
Petauke	PTZ	Zambia	14.2490S	31.3390E	1027	
Peter Faust Dam	PETE	Queensland,Australia	20.4388S	148.4234E	140	
Peter Gray Mountain	PGY	New York,U.S.A.	43.7077N	74.0452W		From 1986-11-01
Petersbachel	PEB	Rheinland-Pfalz,Germany	49.0667N	7.7167E	325	
Petersburg	PSA	Alaska,U.S.A.	56.8083N	132.9533W	17	From 1975-01-01
Petersburg	PBG1	Alaska,U.S.A.	56.7940N	132.9142W	75	
Petersburg	PBV	Virginia,U.S.A.	36.9823N	77.5312W	49	From 1978-10-10 to 2004-09-30
Petersburg	PBG	Alaska,U.S.A.	56.8010N	132.9277W	37	From 1995-04-19
Petersburg Public Schools	PPSA	Alaska,U.S.A.	56.8130N	132.9550W	25	
Peters Farms, Glenburn	B27A	North Dakota,U.S.A.	48.4044N	101.2600W	492	From 2009-08-05
Peterson	PTR	Alabama,U.S.A.	33.2172N	87.4333W	122	From 1971-01-09
Peters Valley	PVN	New Jersey,U.S.A.	41.1957N	74.8697W	175	From 1973-02-01 to 1974-07-31
Petit Bourg	GPTB	Guadeloupe	16.1961N	61.5947W	30	From 2005-02-01
Petit Monier	SLW	St Lucia	14.0203N	60.9384W	366	From 1978-06-25
Petit Puy Manson	PYM	Auvergne,France	45.7505N	3.0078E	970	From 1980-06-01
Petnica	PTNS	Serbia	44.2467N	19.9357E	0	
Petorca	PTCH	Valparaiso,Chile	32.2635S	70.9300W	500	
PETRACHIOAIA	PCHR	Romania	44.5852N	26.3090E	76	From 2008-11-14
Petrified Forest	W18A	Arizona,U.S.A.	35.1181N	109.7357W	1750	From 2007-05-01
Petropavlovsk	PET	Kamchatskaya Oblast',Russia	53.0239N	158.6531E	68	
Petropavlovsk-Kamchatskiy Array Site A0	PEA0	Russia	53.1082N	157.6989E	400	
Petropavlovsk-Kamchatskiy Array Site A1	PEA1	Russia	53.1132N	157.6984E	391	
Petropavlovsk-Kamchatskiy Array Site A2	PEA2	Russia	53.1078N	157.7051E	381	
Petropavlovsk-Kamchatskiy Array Site A3	PEA3	Russia	53.1071N	157.6897E	415	
Petropavlovsk-Kamchatskiy Array site AOB	PEA0B	Kamchatskaya Oblast',Russia	53.1082N	157.6989E	380	
Petropavlovsk-Kamchatskiy Array Site B1	PEB1	Russia	53.1260N	157.6904E	369	
Petropavlovsk-Kamchatskiy Array Site B2	PEB2	Russia	53.1179N	157.7219E	367	
Petropavlovsk-Kamchatskiy Array Site B3	PEB3	Russia	53.1006N	157.7239E	406	
Petropavlovsk-Kamchatskiy Array Site B4	PEB4	Russia	53.0920N	157.6961E	432	
Petropavlovsk-Kamchatskiy Array Site B5	PEB5	Russia	53.1197N	157.6750E	430	
Petropavlovsk-Kamchatskiy Array site P	PETK	Kamchatskaya Oblast',Russia	53.1082N	157.6989E	400	
Petropavlovsk-Kamchatskiy Array site S2	PES2	Kamchatskaya Oblast',Russia	53.1096N	157.7226E	416	
PETROPAVLOVSK-KAMCHATSKY INFRASONIC ARRAY REFERENCE POINT	PETK	Kamchatskaya Oblast'	53.1058N	157.7139E	380	From 2006-10-30
Petroterminal	PTP1	Panama	8.2047N	82.4282W	10	
Petrulli	EPET	Sicily,Italy	37.7037N	15.1202E	630	From 1994-10-01
Pettibone, Tappen	D29A	North Dakota,U.S.A.	47.0605N	99.5957W	551	From 2009-08-05
Peulik 1	PLK1	Alaska,U.S.A.	57.8019N	156.6072W	78	
Peulik 2	PLK2	Alaska,U.S.A.	57.7642N	156.3243W	401	
Peulik 3	PLK3	Alaska,U.S.A.	57.6887N	156.2674W	494	
Peulik 4	PLK4	Alaska,U.S.A.	57.6321N	156.3577W	1031	
Peulik 5	PLK5	Alaska,U.S.A.	57.9977N	156.8777W	49	
Peulik Blue Creek	PLBL	Alaska,U.S.A.	57.6998N	156.8189W	461	
Peulik Whale Mountain	PLWL	Alaska,U.S.A.	58.0449N	156.3413W	0	
Peumo	U69B	O'Higgins,Chile	34.3707S	71.1762W	163	
Pezza	BBB4	Italy	43.4239N	12.6864E	898	From 2011-02-09
Pezze di Greco (BR)	PE1	Italy	40.8050N	17.4230E	80	From 1983-07-01
Pfieffer Point	BPFM	California,U.S.A.	36.2300N	121.7720W	349	From 1973-12-18
Phalaborwa	PHW	South Africa	23.9505S	31.1388E	440	
Phaontom Ranch, North Zulch	437A	Texas,U.S.A.	30.8292N	96.1386W	95	From 2010-02-18
Phelps	PHEL	New York,U.S.A.	42.9542N	77.0950W	188	
Philadelphia	PHI	Pennsylvania,U.S.A.	39.9589N	75.1750W	5	From 1934-07-01 to 1971-08-28
Philippi	PX-WV	West Virginia,U.S.A.	39.0761N	79.9111W	518	
Philippi	PX-	West Virginia,U.S.A.	39.0761N	79.9111W	518	
Philisteinsche Polder	PPB	Netherlands	52.6533N	4.6701E	0	
Philisteinsche Polder (Bergen)	PPB3	Netherlands	52.6526N	4.6700E	-164	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB1	Netherlands	52.6526N	4.6700E	-14	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB2	Netherlands	52.6526N	4.6700E	-89	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB4	Netherlands	52.6526N	4.6700E	-239	From 2010-11-16
Phinny Hill Vineyards, Prosser	F07A	Washington,U.S.A.	45.8951N	119.9278W	227	From 2006-08-27 to 2008-12-03
Phitsanulok	PHIT	Thailand	17.1893N	100.4165E	113	
Phrae	PHRA	Thailand	18.4989N	100.2293E	186	
Phuket	PKT	Thailand	8.0800N	98.1900E		From 1994-07-01
Phuket	PKDT	Thailand	7.8920N	98.3350E	53	
Phulchoki	PKIN	Nepal	27.5770N	85.3965E	2300	From 2007-04-17
Phu-Lien	PLV	Vietnam	20.8060N	106.6290E	90	From 1924-01-01
Piacenza	PCN	Italy	45.0500N	9.6667E		
Piancastagn	PCP	Italy	44.5413N	8.5452E	770	From 1989-03-15
Piano d'Api	EPAP	Sicily,Italy	37.6363N	15.1415E	295	From 1994-10-01
Piano di Cascina (Cagnano Amiterno)	RM09	Italy	42.4355N	13.1865E	1127	From 2009-04-07 to 2010-03-04
Piano Vulcano	PV6*	Sicily,Italy	38.3767N	14.9822E		From 1966-04-01 to 1966-05-01
Piatra Neamt	PTT	Romania	46.9347N	26.3861E	350	From 1987-01-15
Picacho	PICS	El Salvador	13.7394N	89.2550W	1960	From 1991-12-01
Picacho Peak	PIC	California,U.S.A.	32.9142N	114.6430W	263	
Picada	PICA	Costa Rica	10.0255N	83.7858W	2565	
Picayune	PC-MS	Mississippi,U.S.A.	30.5558N	89.7825W	12	From 1966-11-12 to 1966-12-06
Picayune	PC-	Mississippi,U.S.A.	30.5558N	89.7825W	12	From 1966-11-12 to 1966-12-06
Piccione	A001	Italy	43.1671N	12.5206E	317	From 2011-02-09
Pichilemu	PICH	O'Higgins,Chile	34.3858S	72.0019W	30	
Pichincha	GPNO	Ecuador	0.1530S	78.6222W	4040	
Pickens	PKO	Oklahoma,U.S.A.	34.3973N	95.0311W	264	From 1987-10-16
Pickering	PKRO	Ontario,Canada	43.9643N	79.0714W	197	
Pickett Peak	KPPM	California,U.S.A.	40.3460N	123.3620W	1762	
Pickford	PF-MI	Michigan,U.S.A.	46.0878N	84.4608W	259	From 1963-01-03 to 1963-06-17
Pickford	PF-	Michigan,U.S.A.	46.0878N	84.4608W	259	From 1963-01-03 to 1963-06-17
Pickle Lake	PKLO	Ontario,Canada	51.4987N	90.3522W	376	
Pickwick Lake	PLAL	Alabama,U.S.A.	34.9824N	88.0755W	165	
Pickwick Lake	PWLA	Alabama,U.S.A.	34.9800N	88.0640W	204	From 1980-05-14
Pico	PICO	Azores,Portugal	38.5008N	28.4256W	775	From 1989-05-26
Pico Bartolomeu	BART	Azores,Portugal	37.7772N	25.1689W	887	
Pico da Cruz	PCRZ	Azores,Portugal	37.8448N	25.7585W	845	
Pico das Favas	PFAV	Azores,Portugal	38.7113N	27.0844W	153	From 2004-08-01
Pico do Norte, Sta. Barbara	PSMN	Azores,Portugal	37.0031N	25.0654W	276	From 2003-02-12
Pico dos Bois	PBOI	Azores,Portugal	38.4362N	28.3754W	540	From 2005-08-01
Pico dos Padres	PPAD	Azores,Portugal	38.7006N	27.2872W	305	From 2003-03-01
Pico do Teixo	PTEI	Azores,Portugal	38.4950N	28.3565W	820	From 2006-03-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pico El Aguila	EAV	Venezuela	8.8550N	70.8230W	4204	
Pico Espejo	PMV	Venezuela	8.5333N	71.0500W	4765	From 1979-01-01 to 2001-08-14
Pico Herrero	APHE	Spain	36.9520N	3.6880W	1360	
Pico Tres Padres	PTVM	Mexico D.F.,Mexico	19.5930N	99.1130W	2230	
Pico Vermelho	PVER	Azores,Portugal	37.7970N	25.5140W	135	From 2003-01-01
Piedade	PIED	Azores,Portugal	38.4190N	28.0538W	235	From 1993-02-02
Pie de Palo	PPA	San Juan,Argentina	31.5156S	68.2686W	550	
Piedimonte	EPMN	Sicily,Italy	37.8188N	15.1778E	470	From 1994-10-01
Piedmont	PDTN	Tennessee,U.S.A.	35.2733N	85.8495W	335	From 1985-09-19
Piedra Blanca	DR09	Dominican Republic	18.8113N	70.4166W	940	
Piedras Gordas	PGX	Baja California,Mexico	31.9620N	116.4420W	970	
Pieia	PIEI	Italy	43.5360N	12.5350E	665	From 2002-03-18
Pier 30 Seattle	PIER	Washington,U.S.A.	47.5835N	122.3409W	4	
Pierce County East Precinct	PCEP	Washington,U.S.A.	47.1119N	122.2901W	10	
Pierce County Firing Range	PCFR	Washington,U.S.A.	46.9898N	122.4409W	10	
Pierce County Mountain Detachment	PCMD	Washington,U.S.A.	46.8891N	122.3003W	239	
Pierce Ferry	PFA	Arizona,U.S.A.	36.1208N	114.0050W	417	From 1940-10-01 to 1952-06-30
Pierce Place, Pray	G17A	Montana,U.S.A.	45.3212N	110.7398W	1574	From 2007-10-20 to 2009-09-08
Pierpont	PPS	South Carolina,U.S.A.	32.8236N	80.0400W	4	From 1976-03-31
Pietermaritzburg	PTM	Natal,South Africa	29.6271S	30.4035E	671	
Pietermaritzburg	PIE	Natal,South Africa	29.6200S	30.3967E	656	From 1968-04-01 to 1999-08-25
Pietralunga	CCN3	Italy	43.4219N	12.4403E	625	From 2011-03-15
Pietralunga - Aviosuperficie	ATPI	Italy	43.4507N	12.4022E	693	From 2009-03-17
Pietrapaola	PIPA	Italy	39.4851N	16.8158E	479	From 2008-07-02
Pietrapertosa	PTRP	Italy	40.5215N	16.0612E	1077	From 2003-12-05
Pietraquaria	PTQR	Italy	42.0219N	13.4006E	957	
Pietraroja	PTRJ	Italy	41.3641N	14.5290E	1027	From 2007-01-18
Pieve de Saddi	D002	Italy	43.4208N	12.3795E	611	From 2011-03-15
Pieve di Cadore	PDC	Italy	46.4100N	12.3700E		
Pigeon Bay	PBS	South Carolina,U.S.A.	33.2790N	80.2640W	25	From 1974-05-20 to 1988-05-23
Pigeon Point	PIG	Trinidad and Tobago	11.1610N	60.8410W		
Pignataro Maggiore	PIGN	Italy	41.2003N	14.1802E	343	From 2011-02-24
Pigniu (Panix)	PANIX	Switzerland	46.8257N	9.1117E	1433	From 2011-08-05
Pignola, Italy	PGN3	Italy	40.5722N	15.7967E	882	From 2008-10-23
Pilar	PIL	Cordoba,Argentina	31.6683S	63.8833W	338	
Pilar	SET3	Azores,Portugal	37.8918N	25.7820W	300	From 1998-10-01
Pilarcitos Creek	PCC	California,U.S.A.	37.5000N	122.3820W	91	From 1965-01-01
Pilbara Seismic Array Element 00	PSA00	Western Australia,Australia	21.5726S	119.8459E	244	From 2010-09-01
Pilbara Seismic Array Element A1	PSAA1	Western Australia,Australia	21.5767S	119.8363E	277	From 2010-09-01
Pilbara Seismic Array Element A2	PSAA2	Western Australia,Australia	21.5627S	119.8468E	265	From 2010-09-01
Pilbara Seismic Array Element A3	PSAA3	Western Australia,Australia	21.5781S	119.8548E	365	From 2010-09-01
Pilbara Seismic Array Element B1	PSAB1	Western Australia,Australia	21.5689S	119.8219E	282	From 2010-09-01
Pilbara Seismic Array Element B2	PSAB2	Western Australia,Australia	21.5552S	119.8612E	348	From 2010-09-01
Pilbara Seismic Array Element B3	PSAB3	Western Australia,Australia	21.5933S	119.8549E	309	From 2010-09-01
Pilbara Seismic Array Element C1	PSAC1	Western Australia,Australia	21.5333S	119.8091E	283	From 2010-09-01
Pilbara Seismic Array Element C2	PSAC2	Western Australia,Australia	21.5626S	119.9008E	324	From 2010-09-01
Pilbara Seismic Array Element C3	PSAC3	Western Australia,Australia	21.6218S	119.8278E	325	From 2010-09-01
Pilbara Seismic Array Element D1	PSAD1	Western Australia,Australia	21.4547S	119.8301E	260	From 2010-09-01
Pilbara Seismic Array Element D2	PSAD2	Western Australia,Australia	21.6175S	119.9630E	400	From 2010-09-01
Pilbara Seismic Array Element D3	PSAD3	Western Australia,Australia	21.6433S	119.7798E	312	From 2010-09-01
Pilgrim Ck.	I17A	Wyoming,U.S.A.	43.9200N	110.5759W	2134	From 2007-09-19
Pilot Hill	PHWY	Wyoming,U.S.A.	41.3016N	105.4578W	2645	
Pilot Hill -- Preliminary Site	PHWY1	Wyoming,U.S.A.	41.2855N	105.4453W	2666	
Pilot Knob	PLT	California,U.S.A.	32.7312N	114.7290W	61	From 1973-04-16
Pilot Rock	G08A	Oregon,U.S.A.	45.2904N	118.9595W	1318	From 2006-08-10 to 2008-12-03
Pilot Rock	PK-OR	Oregon,U.S.A.	45.3175N	118.9092W	1036	From 1962-06-06 to 1962-06-28
Pilot Rock	PK-	Oregon,U.S.A.	45.3175N	118.9092W	1036	From 1962-06-06 to 1962-06-28
Pinalito	DR3	Dominican Republic	19.2725N	70.7688W		
Pinalito	DR03	Dominican Republic	19.2725N	70.7688W	710	
Pinar	PINR	Spain	36.4990N	6.1183W	10	
Pinarbasi	PINB	Turkey	38.6769N	36.4027E	2288	From 2006-10-19
Pinares de Mayari	PINC	Cuba	20.4870N	75.7910W		
Pinarhisar	PHSR	Turkey	41.6307N	27.5239E	263	From 2009-07-09
Pinatubo--East Slope	PINP	Luzon,Philippines	15.2190N	120.3340E	350	
Pinawa	PWM	Manitoba,Canada	50.1919N	96.0364W	274	From 1978-10-06 to 1984-05-15
Pindari Dam	PDDM	Queensland,Australia	29.3801S	151.2429E	499	
Pindiu	PDUI	Papua New Guinea	6.4470S	147.5110E	950	From 1988-06-16
Pine Canyon	AN1*	California,U.S.A.	36.5622N	121.6360W	305	From 1967-09-24 to 1976-12-31
Pine Canyon	BPCM	California,U.S.A.	36.5650N	121.6360W	268	From 1976-02-14
Pine Canyon	PNC	California,U.S.A.	36.5622N	121.6360W	305	From 1967-09-24 to 1976-12-31
Pine Creek	PINI	Idaho,U.S.A.	43.5076N	111.3460W	1932	From 1986-01-01
Pine Creek	PN-OR	Oregon,U.S.A.	43.7431N	118.5772W	1250	
Pine Creek	PN-	Oregon,U.S.A.	43.7431N	118.5772W	1250	
Pinedale	PI-WY	Wyoming,U.S.A.	42.4528N	109.5486W	2170	From 1964-01-22 to 1964-04-29
Pinedale	PI6	Wyoming,U.S.A.	42.7262N	109.6060W	2225	From 1974-03-01 to 1976-01-31
Pinedale	PI2WY	Wyoming,U.S.A.	42.7672N	109.5619W	2195	
Pinedale	PI3	Wyoming,U.S.A.	42.4417N	109.5790W	2164	From 1973-10-18 to 1973-12-11
Pinedale	PI4	Wyoming,U.S.A.	42.6283N	109.8930W	2194	From 1973-12-11 to 1974-02-22
Pinedale	PI5	Wyoming,U.S.A.	42.5671N	109.9120W	2273	From 1974-03-01 to 1976-01-31
Pinedale	PI-	Wyoming,U.S.A.	42.4528N	109.5486W	2170	From 1964-01-22 to 1964-04-29
Pinedale	PI7	Wyoming,U.S.A.	42.4397N	109.5730W	2179	From 1974-03-01 to 1976-01-31
Pinedale	PI1	Wyoming,U.S.A.	42.5953N	109.5450W	2195	From 1973-06-08 to 1973-08-13
Pinedale	PI2	Wyoming,U.S.A.	42.7750N	109.7400W	234	From 1965-03-01 to 1965-04-26
Pinedale	PIN	Wyoming,U.S.A.	42.5825N	109.7170W	2225	From 1973-03-22 to 1973-06-08
Pinedale Array Beam Ref. Point	PDAR	Wyoming,U.S.A.	42.7667N	109.5579W	2214	
Pinedale Array Site 1	PD01	Wyoming,U.S.A.	42.7765N	109.5832W	2199	
Pinedale Array Site 10	PD10	Wyoming,U.S.A.	42.7595N	109.5570W	2216	
Pinedale Array Site 11	PD11	Wyoming,U.S.A.	42.7526N	109.5769W	2182	
Pinedale Array Site 12	PD12	Wyoming,U.S.A.	42.7551N	109.5631W	2186	
Pinedale Array Site 13	PD13	Wyoming,U.S.A.	42.7551N	109.5497W	2337	
Pinedale Array Site 2	PD02	Wyoming,U.S.A.	42.7782N	109.5664W	2218	
Pinedale Array Site 3	PD03	Wyoming,U.S.A.	42.7759N	109.5496W	2293	
Pinedale Array Site 31	PD31	Wyoming,U.S.A.	42.7667N	109.5579W	2214	
Pinedale Array Site 4	PD04	Wyoming,U.S.A.	42.7660N	109.5744W	2185	
Pinedale Array Site 5	PD05	Wyoming,U.S.A.	42.7704N	109.5666W	2184	
Pinedale Array Site 7	PD07	Wyoming,U.S.A.	42.7704N	109.5445W	2331	
Pinedale Array Site 8	PD08	Wyoming,U.S.A.	42.7589N	109.5836W	2190	
Pinedale Array Site 9	PD09	Wyoming,U.S.A.	42.7618N	109.5672W	2208	
Pinedale Infrasonic Array Beam Reference Point	PDIAR	Wyoming,U.S.A.	42.7663N	109.5939W	2332	
Pine Lake Middle School	PNLK	Washington,U.S.A.	47.5806N	122.0284W	10	
Pine Mountain	PINOR	Oregon,U.S.A.	43.8111N	120.8719W		
Pine Mountain	VPIM	Oregon,U.S.A.	43.7908N	120.9450W	1932	
Pine Mountain	GPMM	California,U.S.A.	38.8475N	122.9463W	783	From 1973-09-21
Pine Mountain	WPMQ	Queensland,Australia	27.5357S	152.7360E	35	From 1977-03-18
Pine Mountain	PMT	Oregon,U.S.A.	43.7909N	120.9450W	1924	From 1969-09-22 to 1984-01-17
Pine Mountain	PEM	California,U.S.A.	34.1673N	117.8700W		From 1976-02-01
Pine Mountain Observatory	PINE	Oregon,U.S.A.	43.7921N	120.9407W	1916	
Pine Nut	PNTR	Nevada,U.S.A.	39.0891N	119.5997W	2076	
Pine Pass	PPC	British Columbia,Canada	55.4000N	122.6170W		From 1969-07-01 to 1973-04-06
Pinerolo	PNI	Italy	44.9192N	7.3139E	585	From 1968-01-01 to 1990-12-31
Pine Spring	PSUT	Utah,U.S.A.	38.5337N	113.8547W	1999	From 2009-10-21
Pineville	PE-	West Virginia,U.S.A.	37.6147N	81.6653W	427	From 1962-07-06 to 1962-07-17
Pineville	PE-WV	West Virginia,U.S.A.	37.6147N	81.6653W	427	From 1962-07-06 to 1962-07-17
Pingtung City	TSPT	Taiwan region	22.6770N	120.4960E	25	From 1999-08-04
Pink Cliffs	PKCU	Utah,U.S.A.	37.4439N	112.3110W	2834	From 2009-10-24
Pinkham Creek	PNK	Montana,U.S.A.	48.7677N	115.0880W	1150	From 1971-02-01 to 1974-07-10
Pinlang	TWG	Taiwan region	22.8207N	121.0720E	195	From 1972-09-25
Pinnacle	PINM	Alaska,U.S.A.	60.0967N	140.2570W	975	From 1974-09-05
Pinnacle	PCA	Alaska,U.S.A.	60.0967N	140.2570W	975	From 1974-09-05
Pinnacle Mountain	PNN	Alaska,U.S.A.	56.8050N	157.5830W	442	
Pinnacles	BPIM	California,U.S.A.	36.4900N	121.1680W	329	From 1975-07-03
Pino	PINO	Ecuador	0.1580S	78.6077W	4600	
Pinole Ridge	CPIM	California,U.S.A.	37.9889N	122.2150W	226	
Pinon	PBVM	Mexico D.F.,Mexico	19.4412N	99.0843W		
PINON FLAT INFRASONIC ARRAY REFERENCE POINT	PFIAS	California	33.6059N	116.4533W	1251	From 2004-02-20
Pinotepa	PNIG	Guerrero,Mexico	16.3923N	98.1271W	350	
Pinotepa	PIO	Oaxaca,Mexico	16.3947N	98.1270W	200	
Pinto Mountains	PNMC	California,U.S.A.	33.9773N	115.8010W	1147	
Pinyon Flat Observatory	PFO	California,U.S.A.	33.6092N	116.4550W	1280	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pinyon Flat Observatory TA	TPFO	California,U.S.A.	33.6060N	116.4544W	1277	From 2010-07-24
Pinyon Peak	BPPM	California,U.S.A.	36.1687N	121.3780W	1591	From 1973-12-19
Pioggiola	PGF	Corse,France	42.5483N	8.9994E	1130	From 1989-11-15
Pipehead	PHDM	New South Wales,Australia	33.8470S	150.9690E	90	
Piper Mountain	PPK	California,U.S.A.	37.4249N	117.9063W	1855	
Pipestone	PP-MN	Minnesota,U.S.A.	44.0775N	96.1508W	533	
Pipestone	PP-	Minnesota,U.S.A.	44.0775N	96.1508W	533	
Piqa, Costa Abajo de Colsn	PINA	Panama	9.2540N	80.0636W	34	From 2004-10-01
Piqua	PIOH	Ohio,U.S.A.	40.1580N	84.2115W	301	
Pira-Piraso	VPP	Luzon,Philippines	14.0340N	121.0000E	10	
Piriac/mer	PIAC	Pays de la Loire	47.3691N	2.5392W	3	From 2008-05-08
Pirkuli	PRLS	Azerbaijan	40.7850N	48.5900E	1448	From 1996-01-01
Pirkuli	PQL	Azerbaijan	40.7890N	48.5930E	1481	From 2003-08-01
Pirmasens	PIR	Rheinland-Pfalz,Germany	49.2000N	7.6074E	400	From 1968-01-01
Pirpir	IPIR	Iran	32.6841N	50.8917E	2600	From 2000-09-01
Pirque	PCH	Santiago,Chile	33.6208S	70.5139W	1010	From 1982-01-01
Pisa	PII	Italy	43.7219N	10.5249E	66	
Pisa	PIS	Italy	43.5833N	10.6833E		
Pisagua	PSGC	Tarapaca,Chile	19.5969S	70.1228W	966	
Pisayambo	PISA	Ecuador	1.0585S	78.3855W	3931	From 1995-02-10
Pisciano	N001	Italy	43.3398N	12.4816E	690	From 2011-03-15
Pisco	PT06	Peru	13.8292S	76.3310W	220	
Pishtovo	PSV	Tajikistan	38.6000N	69.9000E		
Pistoia	PSL	Italy	44.0078N	10.9656E	810	
Pistol Creek	PCMT	Montana,U.S.A.	47.2152N	114.0278W	1873	
Piszkesteto	PSZ	Hungary	47.9184N	19.8944E	940	
Pitanga	PTGB	Parana	24.7161S	52.0648W	907	
Pitcairn Island	PTCN	Pitcairn Island	25.0714S	130.0953W	223	
Pitcher Mountain	PNH	New Hampshire,U.S.A.	43.0942N	72.1358W	659	From 1976-01-01
Pitchstone Plateau	YPP	Wyoming,U.S.A.	44.2710N	110.8045W	2707	
Pithoragarh	PTH	Uttar Pradesh,India	29.5500N	80.2167E	1669	
Pitinga	PTGA	Brazil	0.7308S	59.9666W	137	From 1995-01-01
Piton Saint Espirit	SLPE	St Lucia	13.8431N	60.9952W	460	
Pitten	PIA	Austria	47.7175N	16.1931E	380	
Pitt Meadows	PIMB	British Columbia,Canada	49.2743N	122.6661W	43	
Pittsburgh	PIT	Pennsylvania,U.S.A.	40.4450N	79.9533W	273	From 1929-01-01 to 1962-01-31
Piute Mountains	PIU	California,U.S.A.	34.7403N	115.0940W	1209	From 1974-04-01 to 1976-10-31
Piute Reservoir	PUU	Utah,U.S.A.	38.3633N	112.2800W	2598	
Piuthan	PYUN	Nepal	28.1000N	82.9900E	1867	From 1994-04-01
Piva	PIV	Solomon Islands,Papua New Guinea	6.2000S	155.0580E	60	
Pizona Creek	PZC	California,U.S.A.	37.9652N	118.5683W	2103	
Pizzano Val di Parma - PR	RE07	Italy	44.5259N	10.1984E	745	From 2008-12-27 to 2009-02-12
Pizzo Deneri	EPDN	Sicily,Italy	37.7670N	15.0173E	2820	From 1989-08-01
Pizzo Felice	EPZF	Sicily,Italy	37.8240N	14.8570E	1140	From 1990-04-01
Pizzo Paviglione	EPPA	Sicily,Italy	37.7888N	14.9078E	1275	From 1994-10-01
Placanica	PLAC	Italy	38.4494N	16.4383E	602	From 2005-10-18
Placerville	I11A	Idaho,U.S.A.	43.9121N	115.9578W	1288	From 2006-11-16 to 2008-07-21
Plains	T30A	Kansas,U.S.A.	37.0526N	100.5274W	778	From 2009-04-09
Plano	RFTA	Texas,U.S.A.	33.0122N	96.6902W	200	
Plant 15--Mercuryville	GFTM	California,U.S.A.	38.7930N	122.8340W	755	
Plasencia	EPLA	Spain	40.0642N	6.0803W	591	From 1985-08-01
Plata	PLAT	Spain	36.1226N	5.7655W	414	
Platanillo	PLIG	Guerrero,Mexico	18.3923N	99.5023W	875	
Plateau Road	PRRZ	North Island,New Zealand	38.4989S	176.3929E	392	From 2007-11-14
Plate Boundary	PB04	Antofagasta,Chile	22.2653S	69.4872W	0	
Plate Boundary	PB11	Tarapaca,Chile	19.7610S	69.6557W	1400	
Plate Boundary	PB06	Antofagasta,Chile	22.7058S	69.5717W	1440	
Plate Boundary	PB07	Antofagasta,Chile	21.7266S	69.8861W	1570	
Plate Boundary	PB01	Tarapaca,Chile	21.0431S	69.4872W	900	
Plate Boundary	PB09	Antofagasta,Chile	21.7964S	69.2419W	1530	
Plate Boundary Site 02	PB02	Tarapaca,Chile	21.3197S	69.8960W	1015	
Plate Boundary Site 03	PB03	Antofagasta,Chile	22.0476S	69.7533W	1460	
Plate Boundary Site 08	PB08	Tarapaca,Chile	20.1411S	69.1535W	3060	
Plate Boundary Site 10	PB10	Antofagasta,Chile	23.5134S	70.5541W	250	
Platees	VIL2	Greece	38.2118N	23.2680E	422	From 2008-12-29
Platillon	PLAV	Venezuela	9.8740N	67.5024W	1830	From 1984-01-01
Platte Center	PCNE	Nebraska,U.S.A.	41.5392N	97.4275W	482	
Plattsburgh	PNY	New York,U.S.A.	44.8342N	73.5550W	177	From 1971-08-01 to 2004-03-11
Plattsburgh	PNZ	New York,U.S.A.	44.8354N	73.5770W	215	
Plauen	PLN	Thuringen,Germany	50.4851N	12.1573E	432	
Plav	PVY	Montenegro	42.5945N	19.9587E	1303	From 1984-11-01
Playas Peak, Playas	220A	New Mexico,U.S.A.	31.9041N	108.5266W	1395	From 2008-02-15 to 2009-12-10
Playas-San Antonio	PLAY	Colombia	2.5425S	80.3840W	35	From 2008-12-15
Playitas	PYT	Nicaragua	12.5282N	86.0647W	460	From 1975-01-01
Playitas	PYTN	Nicaragua	12.5377N	86.0577W	460	
Pleasant Camp	PLBC	British Columbia,Canada	59.4567N	136.3650W	280	From 1990-09-20
Pleasant Grove	PGM	Mississippi,U.S.A.	34.4640N	90.1125W	105	From 1979-08-24
Pleasanton	CPNM	California,U.S.A.	37.6502N	121.8620W	200	From 1980-01-01
Pleasant Valley	JPLM	California,U.S.A.	36.9770N	121.8320W	158	
Pleasant Valley	PEV	California,U.S.A.	36.9770N	121.8320W	158	
Pleito Hills	PLEC	California,U.S.A.	34.9685N	119.0680W	1082	
Plekhanov	TI2	Georgia	41.7333N	44.7500E	420	From 1978-01-01
Plevna	PLVO	Ontario,Canada	45.0396N	77.0754W	279	
Pljevlja	PLE	Montenegro	43.3300N	19.3889E	1230	From 1983-12-25
Plockton	KPL	Scotland,United Kingdom	57.3391N	5.6527W	36	From 1986-04-18
PLOIESTI	PLAR	Romania	44.9142N	26.0274E	146	From 2008-11-19
PLOIESTI	PPF	Romania	44.9314N	26.0201E	151	From 2008-11-18
Plons/SG	PLONS	Switzerland	47.0492N	9.3807E	1020	From 2002-05-21
Plostina	PLOR	Romania	45.8512N	26.6498E	657	From 2004-09-01
Plostina	PLOR7	Romania	45.8603N	26.6405E	757	From 2010-04-14
Plostina Array site 1	PLOR1	Romania	45.8520N	26.6466E	706	From 2007-10-07
Plostina Array site 2	PLOR2	Romania	45.8502N	26.6437E	701	From 2007-10-07
Plostina Array site 3	PLOR3	Romania	45.8540N	26.6455E	722	From 2007-10-07
Plostina Array site 4	PLOR4	Romania	45.8512N	26.6498E	680	From 2007-10-07
Plostina Array site 5	PLOR5	Romania	45.8455N	26.6635E	650	From 2009-01-19
Plostina Array site 6	PLOR6	Romania	45.8420N	26.6416E	720	From 2009-01-19
Plovdiv	PLD	Bulgaria	42.1049N	24.7031E	176	From 1983-08-01
Plymouth	PLY	Trinidad and Tobago	11.2170N	60.7790W	9	
Poas	POA	Costa Rica	10.1523N	84.2171W	2093	From 1984-03-17 to 1986-05-06
Poas 2	POA2	Costa Rica	10.1772N	84.2508W	2500	From 1986-05-06
Poatina	POAT	Tasmania,Australia	41.8173S	146.9033E	834	
Poblet	EPOB	Spain	41.3527N	1.0786E	890	
Pocatello Creek	PTI	Idaho,U.S.A.	42.8703N	112.3700W	1670	From 1984-11-01
Pocatky	POCA	Czech Republic	50.3193N	12.4346E	800	
Po¯¡tky	POCW	Czech Republic	50.3200N	12.4270E	790	From 2004-04-01
Pochutla	PLO	Oaxaca,Mexico	15.7402N	96.4583W	280	
Podgorica	TTG	Montenegro	42.4302N	19.2553E	97	From 1960-01-01
Podgorica	PDG	Montenegro	42.4302N	19.2553E	97	From 1960-01-01
Podgornoye	PDGK	Kazakhstan	43.3274N	79.4849E	0	
Podkova	PDK	Kamchatskaya Oblast',Russia	56.1400N	160.7800E	800	
Podkum	PDKS	Slovenia	46.0612N	14.9978E	679	
Pofadder	POF	Cape Province,South Africa	29.3817S	19.9500E	940	From 1986-01-01 to 2000-09-01
Poggio Cancelli	RM32	Italy	42.5702N	13.2932E	1362	From 2009-09-18 to 2010-02-15
Poggio Castellaccio	ATPC	Italy	43.4807N	12.4570E	609	From 2009-01-26
Poggio di Roio	T0108	Italy	42.3354N	13.3765E	1013	From 2009-04-09 to 2009-11-26
Poggio Santa Maria	T0101	Italy	42.3308N	13.3026E	850	From 2009-04-06
Poggio Sant'Ercolano (Gualdo Tadino) PG	AT06	Italy	43.2315N	12.7115E	619	From 2010-04-20
Poggio Sodo	PGD	Italy	43.8753N	11.7214E	500	
Pogoanele	PGOR	Romania	44.9080N	26.9846E	98	From 2004-05-06
Pogromni	WPOG	Alaska,U.S.A.	54.5970N	164.7450W	445	
Pohakuloa	POHA	Hawaii,U.S.A.	19.7575N	155.5325W	1967	
Pohang	KSPHA	South Korea	36.1929N	129.3708E	39	From 2004-12-20
Pohang	PHN	South Korea	36.0300N	129.3600E		
Pohang	KSPOH	South Korea	36.0245N	129.3758E	1	
Pohnpei	PATS	Caroline Islands,Micronesia	6.8367N	158.3125E	10	
Pohoiki	POH	Hawaii,U.S.A.	19.4570N	154.8540W	16	
Poiana Mare	PMRF	Romania	45.3328N	25.9374E	1164	
Point Arena AFB	GAFM	California,U.S.A.	38.8932N	123.5380W	710	
Point Barrow	PTB	Alaska,U.S.A.	71.1333N	156.8000W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Point Dume	PT2	California,U.S.A.	34.0042N	118.8060W	40	
Pointe Anglais	ICQ	Quebec,Canada	49.5217N	67.2719W	58	From 1991-01-08
Pointe-a-Pierre	TPP	Trinidad and Tobago	10.3170N	61.4510W	46	
Pointe Michel	DPMT	Dominica	15.2609N	61.3770W	50	
Pointe Molloy	PMK	Kerguelen Islands	49.3609S	70.0669E	22	
Pointe noire	GCPN	Guadeloupe	16.2344N	61.7883W	15	From 2007-02-01
Point Lisas	PLS	Trinidad and Tobago	10.4130N	61.4900W		From 1977-10-01 to 1978-06-01
Point Lookout	PLVA	Virginia,U.S.A.	36.6673N	81.1582W	1353	From 1982-11-30 to 2008-02-13
Point Molate	CPMM	California,U.S.A.	37.9490N	122.4080W	116	
Point of Rocks Canyon, Magdalena	Y21A	New Mexico,U.S.A.	34.0087N	107.6740W	2168	From 2008-01-31
Point Pleasant	PPLM	Missouri,U.S.A.	36.4034N	89.5831W	82	
Point Reyes	PRC	California,U.S.A.	38.0800N	122.8670W	404	
Point Reyes	NPRM	California,U.S.A.	37.9965N	123.0160W	165	
Point Sur Hydrophone	PSUR	California,U.S.A.	36.3016N	122.3933W		
Pokaka	PKVZ	North Island,New Zealand	39.2911S	175.3461E	770	From 2005-03-16
Pola	POL	Croatia	44.8667N	13.8500E	32	
Polavaram	PVM	Andhra Pradesh	17.2493N	81.6239E	40	From 2008-08-27
Polcenigo	POLC	Italy	46.0266N	12.5005E	150	From 2008-07-17
Pole Canyon	PCY	Utah,U.S.A.	38.3330N	112.9010W	2033	
Pole Creek	PCID	Idaho,U.S.A.	43.9137N	114.7780W	2262	From 1992-12-01
Pole Mountain	PM-WY	Wyoming,U.S.A.	41.2075N	105.3608W	2469	From 1961-11-25 to 1963-07-10
Pole Mountain	PMW	Wyoming,U.S.A.	41.2100N	105.3350W	2240	From 1961-12-08 to 1963-08-31
Pole Mt.	PM-	Wyoming,U.S.A.	41.2075N	105.3608W	2469	From 1961-11-25 to 1963-07-10
Polichno	POLL	Slovakia	48.3578N	19.1575E	550	From 2002-10-01
Polilio Island	POLP	Luzon,Philippines	14.7280N	121.9390E	32	
Polino	PO9	Italy	42.5806N	12.8836E		
Polino	POI	Italy	42.5806N	12.8836E	1200	
Poliokeawe Pali	PWH	Hawaii,U.S.A.	19.2837N	155.2250W	169	From 1973-05-23
Pollina	PLLN	Sicily,Italy	37.9919N	14.1436E	762	
Polly Butte	POB	California,U.S.A.	33.6867N	116.9230W	1003	
Poltava	NE58	Ukraine	49.6030N	34.5430E	166	
Polygyros	PLG	Greece	40.3739N	23.4456E	580	
Pomanovo	PR1R	Permskiy Kray,Russia	59.1846N	56.7446E	160	
Pomariorio	PMO	Tuamotu,French Polynesia	15.0017S	147.8942W	2	
Pomariorio Reef	PMOR	Tuamotu,French Polynesia	15.0022S	147.8942W	2	
Pomeroy	PH-WA	Washington,U.S.A.	46.3236N	117.3281W	945	
Pomio	PNB	New Britain,Papua New Guinea	5.5250S	151.5080E	4	From 1971-08-06 to 1972-05-31
Pomona	POM	California,U.S.A.	34.1000N	117.7170W	350	From 1949-01-01 to 1999-08-25
Pomona	PCF	California,U.S.A.	34.0532N	117.7910W		From 1976-01-01
Pompeii	PMP	Italy	40.7500N	14.5000E		
Ponca City	PCO	Oklahoma,U.S.A.	36.6930N	96.9825W	324	From 1977-07-05
Ponce	PZ-PR	Puerto Rico	17.9700N	66.4178W	5	From 1963-09-10 to 1964-03-13
Ponce	PON	Puerto Rico	18.0033N	66.6139W	50	From 1974-08-16 to 1975-07-17
Ponce	PZ-	Puerto Rico	17.9700N	66.4178W	5	From 1963-09-10 to 1964-03-13
Ponciano Ridge	BPRM	California,U.S.A.	36.4070N	121.7300W	741	
Pond Inlet	PINU	Nunavut,Canada	72.6971N	77.9748W	36	
Pondosa	LPDM	California,U.S.A.	41.1953N	121.6960W	1231	
Poneloya	PYN	Nicaragua	12.3822N	87.0223W	50	From 1975-01-01
Pong	PONG	India	31.9533N	75.9500E	0	
Pongaroa	PGZ	North Island,New Zealand	40.6188S	176.2737E	60	From 1988-04-01 to 1996-06-30
Pongola	POGA	South Africa	27.3698S	31.6117E	290	From 2005-03-04
Pongola	POG	Natal,South Africa	27.3698S	31.6117E	290	From 1994-01-01 to 2005-10-30
Ponta Delgada	PDA	Azores,Portugal	37.7467N	25.6633W	35	
Ponta do Capelo	PTCA	Azores,Portugal	38.5845N	28.7966W	243	From 2005-08-01
Ponta Puerca	PTP	Puerto Rico	18.2362N	65.6175W		
Pont de Suert	PONT	Spain	42.4043N	0.7573E	1220	
Pontebba	POBI	Italy	46.5133N	13.2767E	860	From 1983-01-30 to 1988-01-01
Ponte de Pedra	PP1B	Mato Grosso,Brazil	17.6003S	54.8797W	368	From 2003-06-19
Pontenova	EPON	Spain	43.3270N	7.1494W	440	
Pontiac	PW-	Illinois,U.S.A.	40.9161N	88.5853W	210	From 1966-06-29 to 1966-06-30
Pontiac	PW-IL	Illinois,U.S.A.	40.9161N	88.5853W	210	From 1966-06-29 to 1966-06-30
Pontianak	PTKI	Kalimantan,Indonesia	0.1454S	109.4049E	0	From 2005-01-01
Pony Springs, Pioche	R12A	Nevada,U.S.A.	38.3281N	114.6076W	1845	From 2007-01-25 to 2008-09-10
Poona	POO	Maharashtra,India	18.5295N	73.8492E	560	From 1964-10-05
Poorman Mine	PMC	Colorado,U.S.A.	40.0300N	105.3370W	1990	From 1965-01-01 to 1969-12-31
Popeni	PPE	Romania	46.2578N	27.8503E	267	From 1981-01-01
Popesti-Leordeni	POPR	Romania	44.3554N	26.2034E	109	From 2003-11-02
Popiglio	POPM	Italy	44.0450N	10.7570E	440	From 2004-01-01
Poplar Bluff	PBMO	Missouri,U.S.A.	36.7786N	90.4297W	143	
Popocatepetl	PPM	Puebla,Mexico	19.0667N	98.6267W	3980	
Popondetta	POP	Papua New Guinea	8.7344S	148.2490E	100	From 1964-12-01 to 1966-02-28
Poppy Hill Road	APRM	California,U.S.A.	38.8770N	121.2170W	133	From 1976-07-15
Porangahau	PRHZ	North Island,New Zealand	40.2681S	176.6350E	326	From 2008-01-14
Porcher Bluff	PBF	South Carolina,U.S.A.	32.8585N	79.7642W	-58	
Porculla	PT18	Peru	5.8620S	79.4870W	2970	
Porcupine Dome	PRP	Alaska,U.S.A.	65.5178N	145.5220W	1498	From 1990-02-16
Pores Knob	PKNC	North Carolina,U.S.A.	36.0460N	81.1580W	785	From 1982-11-11 to 2008-02-13
Pori Road	PRWZ	North Island,New Zealand	40.5564S	175.9708E	303	From 2008-11-03
Porkkala	PKK	Finland	60.0052N	24.5169E	10	
Portachuelo	PCHP	Peru	6.0330S	79.6830W	150	
Portage	PTU	Utah,U.S.A.	41.9293N	112.3250W	2192	From 1976-12-17
Portage	PTE	Alaska,U.S.A.	60.8645N	149.0240W	55	From 1972-08-29
Portage Bay	POBM	Missouri,U.S.A.	36.4085N	89.6622W	82	
Portageville	PGVM	Missouri,U.S.A.	36.4602N	89.7290W	82	
Portageville	PTG	Missouri,U.S.A.	36.4277N	89.7037W		
Portageville	PVMO	Missouri,U.S.A.	36.4137N	89.6997W	98	
Port Alberni	B927	British Columbia,Canada	49.2188N	124.8113W	-182	
Portalegre	PRL	Portugal	39.3117N	7.3594W	1020	
Port Alice, BC	PACB	British Columbia,Canada	50.4355N	127.4925W	24	From 2010-06-24
Port Angeles	B04A	Washington,U.S.A.	48.0575N	123.5040W	293	From 2005-10-21 to 2008-02-15
Port Antonio	PAJ	Jamaica	18.1700N	76.4560W	201	
Port-au-Prince	PAPH	Haiti	18.5225N	72.2993W	218	
Port-aux-Francais	PAF	Kerguelen Islands	49.3506S	70.2133E	17	
Port Bizet	KPB	Kerguelen Islands	49.5200S	69.9010E		From 1974-02-01
Port Blair	PBA	Andaman Islands,India	11.6559N	92.7428E	17	
Port Clements	PCB	British Columbia,Canada	53.7061N	132.5670W	634	
Port Colborne	PTCO	Ontario,Canada	42.8844N	79.3115W	180	
Port Douzieme	KPD	Kerguelen Islands	49.5170S	70.1570E		From 1974-02-01
Porterfield Farm, Petersburg	Y29A	Texas,U.S.A.	33.8602N	101.6712W	991	From 2009-01-30
Port Fidalgo	FID	Alaska,U.S.A.	60.7500N	146.4790W	457	From 1974-10-07
Port Gamble	PGW	Washington,U.S.A.	47.8219N	122.5990W	122	
Port Hardy	PHC	British Columbia,Canada	50.7067N	127.4320W	33	From 1962-12-01
Port Heiden	PHA	Alaska,U.S.A.	56.9883N	158.6750W		
Port Laguerre	NOUC	New Caledonia	22.1011S	166.3030E	112	From 1988-03-21
PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	I22FP	New Caledonia	22.1844S	166.8459E	272	From 2002-03-29
Portland	POR	Maine,U.S.A.	43.6833N	70.2833W		
Portland	PTD	Oregon,U.S.A.	45.5083N	122.7160W	208	From 1964-05-01
Portland Cottage	PCJ	Jamaica	17.7413N	77.1574W	98	From 1978-07-20
Port Lavaca	737A	Texas,U.S.A.	28.7639N	96.4402W	11	From 2010-05-25
Port Louis	SEG	Guadeloupe	16.4028N	61.5052W	60	From 1981-01-01
Port Mandanici	MPNC	Sicily,Italy	38.1450N	15.3520E	385	From 1993-12-01
Port Miou	MIOU	France	43.2090N	5.5130E	5	
Port Moller	PMA	Alaska,U.S.A.	55.9786N	160.4970W	314	From 1972-09-16 to 1978-10-12
Port Moresby	PMG	Papua New Guinea	9.4062S	147.1590E	65	From 1957-12-01
Porto	PTO	Portugal	41.1386N	8.6022W	88	From 1912-01-01
Porto Alegre	UFRS	Rio Grande do Sul,Brazil	30.0540S	51.1244W	296	From 1994-04-01
Porto Cannone	PTC	Italy	41.9297N	15.0425E	40	
Porto d'Ischia	PDI	Italy	40.7333N	13.9500E	37	
Portola Park	JPPM	California,U.S.A.	37.2645N	122.2130W	186	From 1966-12-22
Portola State Park	LT3	California,U.S.A.	37.2645N	122.2130W	186	From 1966-12-22
Porto Moniz, Madeira	PMOZ	Madeira Islands,Portugal	32.8230N	17.1970W	1027	From 2008-09-01
Porto Murtinho	PTMB	Mato Grosso,Brazil	21.4631S	57.4756W	240	From 1994-10-01
Porton East	POE	England,United Kingdom	51.1447N	1.6539W	125	From 1975-09-28
Porton South	POS	England,United Kingdom	51.1381N	1.6333W	122	From 1977-11-01 to 1978-07-12
Porto Primavera	POPB	Brazil	22.4565S	52.8368W	280	
Porto Santo	PMPS	Madeira Islands,Portugal	33.0570N	16.3330W	47	
Porto Santo, Madeira	PMPST	Madeira Islands,Portugal	33.0788N	16.3334W	240	From 2008-06-06
Port Pirie	PTPS	South Australia,Australia	33.1725S	137.9943E	9	From 2009-01-01
Port Renfrew	PFB	British Columbia,Canada	48.5717N	124.4400W	550	From 1983-06-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Port Royal	PRJ	Jamaica	17.9352N	76.8438W	2	From 1969-08-09
Portsmouth	PSDMZ	Dominica	15.5770N	61.4563W	0	
Port Stanley	PSF	Falkland Islands	51.7000S	57.8667W		
Portuguez	PORP	Puerto Rico	18.0629N	66.6363W	199	From 1989-08-01
Port Vila	PVC	Vanuatu	17.7400S	168.3120E	80	From 1960-01-01
Port Wells	PWL	Alaska,U.S.A.	60.8593N	148.3350W	549	
Porvoo	PRF	Finland	60.3855N	25.6805E	10	
Porvoo	PRV	Finland	60.3571N	25.5584E	25	
Posio	KU3	Finland	66.1469N	28.5984E	245	From 2004-12-15
Posof	EPOS	Turkey	41.5035N	42.7279E	1499	From 2009-09-30
Post	PO-	Texas,U.S.A.	33.4756N	101.3622W	914	From 1961-12-09 to 1961-12-20
Post	PO-TX	Texas,U.S.A.	33.4756N	101.3622W	914	From 1961-12-09 to 1961-12-20
Posta Fibreno	POFI	Italy	41.7174N	13.7120E	878	From 2007-03-28
Poste Baleine	PBQ	Quebec,Canada	55.2767N	77.7433W	20	
Post Office Road	POWZ	New Zealand	40.3935S	175.7678E	295	From 2008-04-23
Post Ranch	BPOM	California,U.S.A.	36.2287N	121.7670W	354	
Potato Knob	PKKY	Kentucky,U.S.A.	38.3830N	83.0340W	336	From 1985-01-01
Potenciana	PTCR	Costa Rica	9.7895N	84.4295W	1510	From 1984-03-17
Potenciana 2	POCR	Costa Rica	9.7843N	84.4042W	1360	
Potenza	PZUN	Italy	40.6459N	15.8071E	0	From 2005-07-25
Potrerito	POTV	Venezuela	9.9980N	67.4508W	1002	From 2004-07-01
Potrero Grande	POGM	Guerrero,Mexico	17.3752N	100.6213W	650	
Potrero Hills, Fairfield	POTR	California,U.S.A.	38.2026N	121.9353W	20	From 1998-12-10 to 2005-02-05
Potsdam	POT	Brandenburg,Germany	52.3803N	13.0678E	80	
Potsdam Coll	POTS	New York,U.S.A.	44.6634N	74.9732W	112	From 2006-05-22
Potsdam (NY)	PTN	New York,U.S.A.	44.5700N	74.9819W	197	From 1971-10-01
Potts Junction	PJG	Mariana Islands	13.5893N	144.8684E	199	From 1957-05-01
Potts Mountain	VWV	Virginia,U.S.A.	37.4660N	80.3917W	963	
Pottstown	PJ-PA	Pennsylvania,U.S.A.	40.2828N	75.5836W	91	
Pouilloux	POU	Bourgogne,France	46.6146N	4.3652E		
Poverty Ridge	CB7	California,U.S.A.	37.4292N	121.7425W	975	From 1968-07-12 to 1970-05-07
Powell	H19A	Wyoming,U.S.A.	44.6704N	108.9857W	1479	From 2008-08-13
Powhatan	POW	Arkansas,U.S.A.	36.1520N	91.1850W	156	From 1974-06-19 to 1992-02-29
Poza Rica	PZX	Veracruz,Mexico	20.5389N	97.4592W	150	
Pozo Almonte	POZO	Chile	20.2525S	69.7594W	1024	From 2009-12-04
Pozo tres de Borinquen	PBO3	Costa Rica	10.8063N	85.4238W	583	From 2000-01-01
Pozza Ferrara, Ferrara di Monte Baldo (VR)	PZF	Italy	45.6558N	10.8322E	1095	From 2006-11-16
Pozzilli	PLI2	Italy	41.5314N	14.0586E	575	
Pozzillo	EPOZ	Italy	37.5136N	15.0822E	117	From 2006-07-12
Pozzuoli	IPOZ	Italy	40.8203N	14.1205E	3	From 1982-01-01
Prada, Italy	MPRD	Italy	45.9534N	11.8986E	705	From 2010-06-08
Prado	PRAC	Colombia	3.6953N	74.9013W	414	From 1994-01-01
Pradon	PRAF	Provence-Cote d'Azur,France	43.8042N	5.1692E	700	From 1982-11-01
Prague	PRA	Czech Republic	50.0703N	14.4331E	225	
Prainha do Norte	PPNO	Azores,Portugal	38.4716N	28.2638W	725	From 2002-08-01
Prairie City	H08A	Oregon,U.S.A.	44.5191N	118.6704W	1373	From 2006-07-28 to 2008-07-10
Prapat	PSI	Sumatera,Indonesia	2.8010N	98.9240E	987	
Prato	PTF	Italy	43.9594N	11.0697E	550	
Pratopiano (Palanzano) - PR	RE06	Italy	44.4511N	10.2304E	680	From 2008-12-28 to 2009-02-12
Prato-Toscana	PRT	Italy	43.8800N	11.0942E	61	
Presa Benito Juarez	PBJ	Oaxaca,Mexico	16.4367N	95.4067W	213	
Presa Caracol 1	CC1	Guerrero,Mexico	17.9400N	100.0100W	1000	
Presa Caracol 2	CC2	Guerrero,Mexico	17.9930N	100.1010W	1000	
Presa Caracol 3	CC3	Guerrero,Mexico	17.9885N	99.9847W		
Presa Caracol 4	CC4	Guerrero,Mexico	18.0200N	99.9000W	1000	
Presa Caracol 5	CC5	Guerrero,Mexico	17.5400N	99.2780W		
Presa de Sabaneta	SDDR	Caribbean Sea,U.S.A.	18.9821N	71.2878W	589	
Presa Infiernillo	PIM	Guerrero,Mexico	18.2750N	101.8820W	81	
Presa Madin	MDVM	Mexico D.F.,Mexico	19.5365N	99.2490W	2405	
Presa Malpaso	PMM	Chiapas,Mexico	17.1700N	93.6028W	215	
Presa Marin	PNVM	Mexico D.F.,Mexico	19.3470N	98.9180W		
Presa Penitas 1	PN1	Chiapas,Mexico	17.4690N	93.4880W		
Presa Penitas 2	PN2	Chiapas,Mexico	17.4380N	93.4505W		
Presa Penitas 3	PN3	Chiapas,Mexico	17.3540N	93.6080W		
Presa Penitas 4	PN4	Chiapas,Mexico	17.1790N	93.3950W		
Preselentsi	PSN	Bulgaria	43.6822N	28.1836E	171	From 1983-08-01
Presidente	PPD	Sao Paulo,Brazil	22.0314S	51.3119W	406	From 1988-02-01
Presidio of San Francisco	JPRM	California,U.S.A.	37.7950N	122.4740W	107	From 1968-09-26
Presque Isle	PQI	Maine,U.S.A.	46.6710N	68.0168W	180	
Preston	PQ-ID	Idaho,U.S.A.	42.2281N	111.7158W	1554	
Preston Nutter Ranch, Sunnyside	P18A	Utah,U.S.A.	39.6279N	110.2457W	2743	From 2007-07-26 to 2009-06-03
Pretoria	PRE	Transvaal,South Africa	25.7533S	28.1900E	1333	From 1949-01-01 to 1999-08-25
Preza	PRZA	Albania	41.4300N	19.6700E	230	From 2002-09-05
Pribbeno Ranch, Imperial	N28A	Nebraska,U.S.A.	40.6873N	101.5406W	1009	From 2009-05-20
Pribram	PBCC	Czech Republic	49.6857N	13.9956E	386	From 2011-07-22
Price	KPE	Alaska,U.S.A.	64.4608N	146.8960W	204	From 1994-10-01
Price	PCU	Utah,U.S.A.	39.6067N	110.8050W	1714	From 1962-05-01
Priddis	PRDA	Alberta,Canada	50.8674N	114.2918W	1252	From 2009-11-13
Prieska	PKA	Cape Province,South Africa	29.6700S	22.7567E	960	From 1993-03-01
Priest	PRI	California,U.S.A.	36.1417N	120.6650W	1187	From 1961-01-01
Prince Edward County	PECO	Ontario,Canada	43.9340N	76.9939W	92	
Prince George	PG2BC	British Columbia,Canada	53.9911N	122.5122W	747	
Prince George	PG-BC	British Columbia,Canada	53.9972N	122.5231W	914	
Prince George	PG-	British Columbia,Canada	53.9972N	122.5231W	914	
Prince Lake	PRLK	Oregon,U.S.A.	44.2097N	121.9626W	1283	From 2007-08-17
Prince Rupert	RUBB	British Columbia,Canada	54.3262N	130.2523W	12	
Prince Rupert	RUB	British Columbia,Canada	54.3259N	130.2867W	53	From 1985-09-01 to 2006-03-28
Princess Elisabeth base, Queen Maud Land, Antarctica	EUB	Antarctica	71.9470S	23.3469E	1359	From 2010-02-23
Princeton	PRIN	New Jersey,U.S.A.	40.3669N	74.7179W	110	From 1977-03-01
Princeton	PANJ	New Jersey,U.S.A.	40.3769N	74.7029W	100	From 2008-02-15
Princeton	PWV	West Virginia,U.S.A.	37.3360N	81.0478W	829	From 1978-03-01 to 2006-02-27
Princeton	PD-BC	British Columbia,Canada	49.3922N	120.4764W	914	From 1962-07-06 to 1962-07-17
Princeton	PD-	British Columbia,Canada	49.3922N	120.4764W	914	From 1962-07-06 to 1962-07-17
Prines Rethymno	PRNS	Crete,Greece	35.3649N	24.5015E	51	From 2006-12-01
Prineville	I06A	Oregon,U.S.A.	43.9437N	120.2107W	1296	From 2006-02-02 to 2008-04-09
Priterechnaya	PRTR	Severo-Osetinskaya,Russia	43.7515N	44.2820E	136	From 2005-08-08
Prizren	PRZK	Kosovo	42.2108N	20.7581E	683	From 2008-07-06
Prodhromos	CSS	Cyprus	34.9622N	33.3306E	396	From 1984-07-26
Prodromos	PDO	Greece	38.5986N	21.1833E	227	From 2009-10-02
Prodromos	PROD	Greece	38.2589N	22.9006E	350	From 2010-07-02
Promano (Citt^ di Castello) - PG	AT01	Italy	43.3940N	12.3076E	484	From 2010-04-01
Promontory Point	PPU	Utah,U.S.A.	41.3106N	112.4300W	1874	
Prospect	TPR	Trinidad and Tobago	11.1860N	60.7770W	245	From 1978-02-20
Prospect	PRST	Texas,U.S.A.	31.9520N	94.6330W	220	
Prospectdale	ELN	Virginia,U.S.A.	37.2283N	80.7517W	634	
Prosser	PRW	Washington,U.S.A.	46.2127N	119.6860W	552	From 1975-06-01
Provadia	PRD	Bulgaria	43.2000N	27.4000E	50	From 1995-01-01
Provideniya	PROV	Magadanskaya Oblast',Russia	64.4270N	173.2250W	25	
Provideniya	PRVR	The Chukotsky Autonomous Okrug	64.4470N	173.1750W	86	From 2006-06-14
Pruhonice	PRU	Czech Republic	49.9883N	14.5417E	302	
Pruna	EPRU	Spain	36.9660N	5.2313W	560	From 1986-11-01
Prunihres	OG17	Rhone-Alpes,France	44.9067N	5.7662E	1140	From 1988-09-12
Przheval'sk	PRZ	Kyrgyzstan	42.4833N	78.4000E	1599	
Psathopyrgos	PSA1	Greece	38.3253N	21.8837E	3	From 2009-03-16
Pskov	NE52	Pskovskaya Oblast',Russia	57.8190N	28.3900E	40	
PSNS Bremerton SMO	PSNS	Washington,U.S.A.	47.5587N	122.6443W	6	From 2004-04-05
Pt. Cumana	TPTC	Trinidad and Tobago	10.6800N	61.5700W	49	
Pto Chacabuco	CHFR	Chile	45.4606S	72.8700W	0	
Pto de San Jose	PSG	Guatemala	13.9478N	90.7915W	5	From 1981-11-01 to 1988-12-31
Pto San Jose 2	PSG2	Guatemala	13.9522N	90.8155W	5	From 1988-01-01
Puale Bay	PUB	Alaska,U.S.A.	57.7733N	155.5170W	280	From 1974-01-01
Pucallpa	PUC	Peru	8.3970S	74.6680W	130	
Pucara	PUCR	Ecuador	3.2100S	79.5000W	3000	From 1995-07-21
Pudahuel	PUEX	Santiago,Chile	33.4413S	70.7579W	505	
Puebla	PHPU	Puebla,Mexico	19.0442N	98.1685W	2170	From 2009-02-16
Puebla	CIPM	Puebla,Mexico	17.9620N	97.8540W		
Puebla	CXP	Puebla,Mexico	18.2754N	97.1418W		
Puebla	PUE	Puebla,Mexico	19.0417N	98.1967W	2162	
Pueblo Viejo	PVP	Peru	15.7914S	74.2211W	233	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Puelo Alto	PUEL	Chile	41.6637S	72.2960W	25	
Puengasi	QUEM	Ecuador	0.2371S	78.4973W	3055	From 2007-12-05
Puente Sto Nino	ARIG	Guerrero,Mexico	18.2805N	100.3473W	387	From 2009-02-01
Puerto Angel	PANG	Oaxaca,Mexico	15.6668N	96.4735W	0	From 2009-02-16
Puerto Armuelles	ARM	Panama	8.2832N	82.8665W	10	
Puerto Armuelles 2	ARM2	Panama	8.1000N	82.8667W	10	
Puerto Ayacucho	PAYV	Venezuela	5.4200N	67.6560W	83	From 2003-07-16
Puerto Ayora	PAYG	Galapagos,Ecuador	0.6740S	90.2858W	195	
Puerto Aysen	AYCH	Chile	45.4018S	72.6940W	22	From 2009-07-09
Puerto Azul	PAZ	Luzon,Philippines	14.2260N	120.6760E	124	
Puerto del Bujeo, Cadiz	E002	Spain	36.0610N	5.5137W	388	From 2007-07-10 to 2009-06-15
Puerto del Eden	PDEM	Guerrero,Mexico	17.4632N	100.7410W	1620	
Puerto del Gallo	PGOM	Guerrero,Mexico	17.4720N	100.1803W	2560	
Puerto Escondido	PEO	Oaxaca,Mexico	15.8512N	97.0555W	3	
Puerto Escondido	PEX	Oaxaca,Mexico	15.8620N	97.0612W		
Puerto Galera	PGP	Mindoro,Philippines	13.5019N	120.9530E	375	From 1977-05-22
Puerto Jimenez	PUJ	Costa Rica	8.5333N	83.3478W	50	
Puerto La Cruz	PLCV	Venezuela	10.1633N	64.5896W	251	
Puerto La Cruz	PCRV	Venezuela	10.1762N	64.6361W	450	
Puertollano	NE13	Spain	38.6850N	4.0910W	700	From 1983-05-01 to 2001-07-28
Puerto Moin	MOIN	Costa Rica	9.9870N	83.0938W	29	
Puerto Montt	PMCH	Chile	41.4898S	72.8962W	36	
Puerto Peˆ–asco	PPXB	Baja California,Mexico	31.3355N	113.6330W	15	From 2007-12-31
Puerto Plata	PPDR	Dominican Republic	19.8053N	70.7243W	4	From 2010-01-01
Puerto Princesa	PPR	Palawan,Philippines	9.7761N	118.7300E	15	From 1972-01-01
Puerto Saavedra	PSCH	Cautin	38.7990S	73.3920W	85	From 2009-12-20
Puert Vallarta	PUVA	Jalisco,Mexico	20.6262N	105.2190W	0	From 2009-02-16
Puka	PUK	Albania	42.0427N	19.8928E	900	
Pukaskwa National Park	PNPO	Ontario,Canada	48.5957N	86.2846W	219	
Pukeiti	PKE	North Island,New Zealand	39.1955S	173.9872E	485	
Pukenui	PNHZ	North Island,New Zealand	39.9151S	176.1996E	616	From 2008-02-19
Puketiti	PUZ	North Island,New Zealand	38.0733S	178.2570E	420	From 1988-09-01
Pulasari	PULI	Jawa,Indonesia	6.3450S	105.9760E	1346	
Pulaski	PUV	Virginia,U.S.A.	37.0257N	80.8158W	652	From 1978-01-01 to 2004-09-30
Pulau Batu	PBSI	Sumatera,Indonesia	0.0547S	98.2800E	0	From 2007-12-01
Pulau Pagai	PPSI	Sumatera,Indonesia	2.7630S	100.0096E	0	From 2007-12-01
Pulau-Weh	PWS	Sumatera,Indonesia	5.8333N	95.3000E		
Pulchoki	PKI	Nepal	27.5710N	85.4090E	2758	From 1978-11-01
Pulheim	PLH	Nordrhein-Westfalen,Germany	51.0040N	6.8195E	-300	From 1981-01-01
Puli Township	WPL	Taiwan region	24.0120N	120.9570E	190	From 2001-04-10
Pulkovo	PUL	Leningradskaya Oblast',Russia	59.7667N	30.3167E	65	
Pune	PUNE	Maharashtra,India	18.5296N	73.8491E	600	
Puno	PUN	Peru	15.8750S	69.9961W	3860	
Punta Arenas	PTA	Magallanes,Chile	53.1553S	70.9006W	10	
Punta Arenas	GO10	Magallanes,Chile	53.1546S	71.0498W	652	
Punta Banda	PBX	Baja California,Mexico	31.7420N	116.7255W	400	From 1982-04-16
Punta Burica	PBC	Costa Rica	8.4437N	83.0708W	140	From 1985-01-01
Punta Cana	PUCA	Dominican Republic	18.5880N	68.4028W	0	
Punta Cana, DR	PCDR	Dominican Republic	18.5139N	68.3814W	6	From 2007-03-01
PUNTA DE LOS LLANOS	APLL	La Rioja	30.3949S	66.5279W	725	From 1997-06-20
Punta Galera	PTGL	Ecuador	0.7815N	80.0304W	262	From 2008-12-04
Punta Lena	SL6*	Sicily,Italy	38.7733N	15.2147E		From 1966-04-01 to 1966-05-01
Punta Lucia	EPLC	Sicily,Italy	37.7620N	14.9860E	2930	From 1994-10-01
Punta Patache	PATCX	Chile	20.8207S	70.1529W	832	From 2009-12-02
Punta Talca	PUT	Santiago,Chile	33.4187S	71.6964W	25	From 1975-01-01
Puntijarka	PTJ	Croatia	45.9070N	15.9680E	1023	
Pupakea	PUP	Hawaii,U.S.A.	21.6472N	158.0280W		From 1960-01-01 to 1965-12-31
Puquio	PP06	Peru	14.6955S	74.1235W	3200	
Purari	PUR	Papua New Guinea	6.9881S	145.0730E	300	From 1975-07-11
Puriscal	PRS1	Costa Rica	9.9838N	84.3112W	1145	
Purkeypile	PPLA	Alaska,U.S.A.	62.8968N	152.1870W	1519	
Purple Mountain	YPM	Wyoming,U.S.A.	44.6572N	110.8687W	2582	
Purvis	PU-	Mississippi,U.S.A.	31.1519N	89.5489W	91	From 1965-02-26 to 1965-03-03
Purvis	PU-MS	Mississippi,U.S.A.	31.1519N	89.5489W	91	From 1965-02-26 to 1965-03-03
Pusan	PUS	South Korea	35.1000N	129.0330E	71	
Pusma	PUSN	Nepal	28.8750N	81.2710E	1524	
Putnam	PUTN	New York,U.S.A.	41.3818N	73.8283W	170	
Puu Honuaula	PHO	Hawaii,U.S.A.	19.4817N	154.8900W	215	From 1970-04-01 to 2000-11-09
Puu Huluhulu	PHH	Hawaii,U.S.A.	19.3750N	155.2080W	1021	From 1969-07-01 to 1973-11-30
Puu Kaliu	PKL	Hawaii,U.S.A.	19.4580N	154.9210W	271	
Puu Kamoamoa	KMH	Hawaii,U.S.A.	19.3912N	155.1160W	750	
Puuokali	POK	Hawaii,U.S.A.	20.7333N	156.3887W	511	
Puu Pili	PPL	Hawaii,U.S.A.	19.1583N	155.4640W	35	
Puu Ulaula	PLL	Hawaii,U.S.A.	19.5333N	155.4610W	2992	
Puyallup School ANSS-SMO	PAYL	Washington,U.S.A.	47.1926N	122.3140W	9	From 2001-06-28
Puy-de-Dome	PDD	Auvergne,France	45.7667N	2.9667E	1450	
Puyloubier	PUYF	Provence-Cote d'Azur,France	43.5323N	5.7003E	460	
PUYLOUBIER	LEPF	Provence-Cote d'Azur,France	43.5230N	5.7020E	345	From 2007-08-13
Puysegur Point	PPZ	South Island,New Zealand	46.1406S	166.6270E	3	From 1972-04-06 to 1972-04-24
Puysegur Point	PYZ	South Island,New Zealand	46.1679S	166.6807E	277	From 2007-05-03
Pyatigorsk	PYA1	Russia	44.0625N	43.0958E	614	From 2008-10-02
Pyatigorsk	PYA	Stavropol'skiy Kray,Russia	44.0333N	43.0583E	544	
Pyeongchang	KSPYC	South Korea	37.3713N	128.3906E	331	From 2007-12-12
PYLOS	PYL	Greece	36.8955N	21.7420E	227	From 2006-02-01
Pyongyang	PYO	North Korea	39.0333N	125.7500E	51	
Pyramid	PYR	California,U.S.A.	34.5680N	118.7410W	1247	
QAANAAQ INFRASONIC ARRAY REFERENCE POINT	IS8DK	Greenland	77.4756N	69.2878W	88	From 2002-09-05
Qafa e Shtames	QSH	Albania	41.5216N	19.9050E	1100	
Qairoon Hariti	QHRO	Oman	17.2528N	54.0854E	790	From 1998-08-27
Qassim	QASM	Saudi Arabia	26.0900N	43.5360E	675	From 1988-01-01
Qassioun	QASN	Syria	33.5328N	36.2761E	990	From 1994-12-01
Qatafi	QTFJ	Jordan	31.8230N	37.4800E	648	From 1990-03-05
Qatrana	QTRJ	Jordan	31.3000N	36.0100E	876	From 1988-02-20
Qazax, Azerbaijan	QZX	Azerbaijan	41.0580N	45.3720E	563	From 2010-01-19
Qibla Bandi	QIB	Pakistan	33.9007N	72.5925E	396	
Qikiqtaaluk Exploration Camp	QILN	Northwest Territories,Canada	66.6531N	86.3709W	115	
Qingdao	TSN	Shandong,China	36.0667N	120.3170E	70	
Qiongzhong	QIZ	Hainan Dao,China	19.0294N	109.8430E	230	
Qobustan	GBS	Azerbaijan	40.5350N	48.9420E	827	From 2011-04-06
Qom	IQOM	Iran	34.8424N	51.0703E	2270	From 1996-01-01
Qsaybeh	QSB	Lebanon	33.8710N	35.6443E	550	
Quabbin	QUA	Massachusetts,U.S.A.	42.4566N	72.3738W	201	From 1977-05-07 to 1999-01-31
Quadrado	QAD	Luzon,Philippines	15.0440N	120.3540E		
Quail Lake	QAL	California,U.S.A.	34.7497N	118.7150W	1256	
Qualls	QUAR	Arkansas,U.S.A.	35.6439N	90.6491W	115	
Quanzhou	QZH	Fujian,China	24.9431N	118.5920E	21	From 1970-10-01
Quanzhou	QZN	Fujian,China	24.9431N	118.5920E	21	From 1970-10-01
Quarto	QRI	Italy	40.8780N	14.1458E		
Quartz Hill	QHW	North Island,New Zealand	41.2519S	174.6910E	190	From 1985-10-15 to 2003-10-31
Quartzite Mountain	QM-NV	Nevada,U.S.A.	37.5631N	116.3178W	1878	
Quartz Mountain	QMO	Oklahoma,U.S.A.	34.8929N	99.3071W	479	From 1977-07-29 to 1980-12-31
Quartz Mountain State Park	QZO	Oklahoma,U.S.A.	34.9052N	99.3053W	488	
Quartz Range	QRZ	South Island,New Zealand	40.8275S	172.5290E	260	From 1990-04-01
Quattro Castella	QCI	Italy	43.8167N	11.2167E	120	
Quba	QUB	Azerbaijan	41.3800N	48.3600E	1000	From 1978-01-01 to 1998-01-01
Quba	KUB	Azerbaijan	41.3300N	48.5000E	980	From 1998-01-01
Quba, Azerbaijan	QUBA	Azerbaijan	41.3550N	48.4930E	645	From 2003-03-29
Qucahn	IQHU	Iran	37.0730N	58.5394E	1320	From 1997-03-01
Quebec	QBC	Quebec,Canada	46.7789N	71.2758W	91	
Quebec	QCQ	Quebec,Canada	46.7789N	71.2758W	91	
Quebec	QCL	Quebec,Canada	46.7789N	71.2758W	91	
Quebrada Arriba	QARV	Venezuela	10.2070N	70.5240W	578	From 2002-03-26
Queen Anne	QAW	Washington,U.S.A.	47.6317N	122.3543W	140	
Queen Charlotte	QCC	British Columbia,Canada	53.2550N	132.0880W	3	
Queen City Summit	QCS	Nevada,U.S.A.	37.7574N	115.9409W	1899	From 1979-06-08 to 2002-10-10
Queen Creek	QC-	Arizona,U.S.A.	33.1842N	111.6340W	610	
Queen of Sheba Mine	QSM	California,U.S.A.	35.9650N	116.8682W	396	From 1978-11-28
Queensboro Lake	QLNY	New York,U.S.A.	41.3092N	74.0375W	238	
Queensbury	QMB	England,United Kingdom	53.7650N	1.8575W	116	From 1974-07-10 to 1979-11-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Queens College	CUNY	New York,U.S.A.	40.7335N	73.8178W	20	
Queens East	JQE	Channel Islands,United Kingdom	49.2000N	2.0383W	58	
Queenstown	QTN	Tasmania,Australia	43.1000S	145.6000E		
Quello@15n	QLLN	Chile	43.1044S	73.6223W	129	
Quemado	X20A	New Mexico,U.S.A.	34.5421N	108.4980W	2057	From 2008-02-05
Quentar	EQUE	Spain	37.2050N	3.4400W	1050	From 1995-04-15
Quepos	QCR	Costa Rica	9.4241N	84.1653W	45	
Quepos	QPS	Costa Rica	9.4031N	84.1322W	83	From 1984-03-17
Queretaro	QUIG	Queretaro,Mexico	20.7000N	100.2800W		
Quesada	EQES	Spain	37.8028N	3.0711W	1140	
Quesnel	QN-BC	British Columbia,Canada	52.9569N	122.3958W	610	From 1962-10-26 to 1962-10-27
Quesnel	QN-	British Columbia,Canada	52.9569N	122.3958W	610	From 1962-10-26 to 1962-10-27
Quetta	QUET	Pakistan	30.2300N	66.9800E	1636	From 2007-11-10
Quetta	QUE	Pakistan	30.1883N	66.9500E	1721	From 1954-01-01
Quezalapa	QZA	El Salvador	13.5239N	88.9969W	250	
Quezaltepeque	QZG	Guatemala	14.6363N	89.3840W	1798	From 1981-01-01
Quezon City	QCP	Luzon,Philippines	14.6370N	121.0770E	58	
Quezon City--PHIVOLCS	QVP	Luzon,Philippines	14.6230N	121.0040E	15	From 1991-01-01
Quezon City--PHIVOLCS	QVPH	Luzon,Philippines	14.6520N	121.0580E	45	
Quiabu	QUIN	Nicaragua	13.1250N	86.4167W	1605	
Quien Sabe	AN13*	California,U.S.A.	36.8337N	121.2130W	536	From 1969-05-29
Quien Sabe	HQRH	California,U.S.A.	36.8337N	121.2130W	536	From 1969-05-29
Quien Sabe Ranch	QSR	California,U.S.A.	36.8337N	121.2130W	536	From 1969-05-29
Quiliano	QLNO	Italy	44.3242N	8.3459E	547	From 2002-02-19
Quillagua	QUL	Antofagasta,Chile	21.6556S	69.5283W	800	
Quillayute Airport, Forks	C03A	Washington,U.S.A.	47.9475N	124.5662W	48	From 2005-10-20 to 2008-02-14
Quillmana	QUM	Peru	12.9550S	76.3867W	500	
Quilmana	PT02	Peru	12.9433S	76.4367W	500	
Quilotoa	QIL2	Ecuador	0.8689S	78.9167W	3923	From 2007-08-08
Quilotoa	QIL1	Ecuador	0.8453S	78.9338W	3340	From 1992-05-13
Quilotoa	QUIL	Ecuador	0.7569S	78.9252W	3430	From 1991-01-01
Quilpie	QLP	Queensland,Australia	26.5822S	144.2345E	210	From 1989-08-12
Quincy	D07A	Washington,U.S.A.	47.1936N	119.9732W	453	From 2006-08-30 to 2008-05-10
Quincy	O05C	California,U.S.A.	39.9620N	120.9176W	1032	From 2005-04-20 to 2007-11-20
Quinn	I27A	South Dakota,U.S.A.	44.0690N	102.0525W	867	From 2009-06-17
Quinn River	QNR	Nevada,U.S.A.	41.6972N	117.9550W	1433	
Quinn River Valley	QRV	Nevada,U.S.A.	41.6972N	117.9550W	1433	From 1974-03-01 to 1975-08-31
Quinter	Q30A	Kansas,U.S.A.	38.9772N	100.2207W	797	From 2009-05-14
Quinzano	GRDQ	Italy	45.2984N	10.0336E	57	From 2011-03-15
Quistinic	QUIF	Bretagne,France	47.9167N	3.1656W	125	From 1996-04-03
Quititos	QITI	Ecuador	0.7858N	79.9995W	386	From 1992-04-28
Quititos 2	QIT2	Ecuador	0.7732N	80.0397W	284	
Quito	QUI	Ecuador	0.2001S	78.5005W	2837	
Quito	QTO	Ecuador	0.2084S	78.5322W	3270	From 1988-09-01 to 1991-12-30
Quito	OAQ	Ecuador	0.2158S	78.4989W	2816	From 1978-03-01 to 1980-12-31
Qund	QUND	Ecuador	0.3168N	79.4807W	330	From 1994-04-01 to 1994-09-30
Qurayyt al Milh	QURS	Saudi Arabia	31.3860N	37.3240E	491	
Qusar	QSAR	Azerbaijan	41.5150N	48.2630E	638	From 2011-04-12
Qutrana	QUTJ	Jordan	31.2987N	36.0100E	876	From 1987-01-01
Qyzylaghash	KZAG	Kazakhstan	45.3710N	78.7220E	510	
Rabalanakaia	RAL	New Britain,Papua New Guinea	4.2203S	152.2020E	91	From 1967-01-01
Rabat	RBA	Morocco	34.0089N	6.8406W	39	From 1966-03-01
Rabat Centre	RTC	Morocco	33.9881N	6.8569W	50	
Rabat Zaers	RBZ	Morocco	33.9292N	6.8400W	116	From 1968-01-01 to 1977-12-31
Rabaul	RABL	Papua New Guinea	4.1911S	152.1637E	277	From 2009-04-01
Rabaul	RAB	New Britain,Papua New Guinea	4.1927S	152.1630E	185	From 1940-01-01
Rabaul (IGS)	ERB	New Britain,Papua New Guinea	4.1932S	152.1620E	180	
Rabbit Creek Array Site 1	RC01	Alaska,U.S.A.	61.0894N	149.7367W	374	
Rabinal	RDG	Guatemala	15.0075N	90.4718W	1930	From 1978-06-01
Rabkut	RBK	Oman	17.5035N	54.2039E	550	From 2001-07-01
Racchiusole (Umbertide) PG	AT05	Italy	43.2329N	12.2715E	494	From 2010-04-01
Rachaya	RCY	Lebanon	33.4965N	35.8357E	1370	From 2006-06-01
Rachel	S11A	Nevada,U.S.A.	37.6444N	115.7472W	1456	From 2007-01-23 to 2008-09-15
Racherla	RCLA	Andhra Pradesh	15.4568N	78.9551E	252	From 2009-11-07
Raciborz	RAC	Poland	50.0833N	18.1942E	209	
Rackout Springs	KRKM	California,U.S.A.	39.5628N	123.1820W	1280	
Radio Antilles	RSV	St Vincent,Saint Vincent and the Grenadines	13.3070N	61.2360W	8	From 1979-11-20
Raffo Rosso	RAFF	Sicily,Italy	37.2225N	14.3624E	310	From 2005-12-22
Rafsanjan	RFDD	Iran	30.5200N	56.2600E	0	
RAFT	RAFT	Washington,U.S.A.	46.1957N	122.1863W	2132	
Rafter H Ranch, Green River	Q18A	Utah,U.S.A.	39.1025N	110.1328W	1295	From 2007-07-14 to 2009-03-09
Ragged Mountain	RAGM	Alaska,U.S.A.	60.3870N	144.6750W	739	From 1984-01-01
Ragged Mountain	RGD	Alaska,U.S.A.	60.2192N	144.5460W	610	
Rahkiv	RAKU	Ukraine	48.0259N	24.1663E	440	From 2004-07-01
Raibl	RBL	Italy	46.4417N	13.5683E	900	From 1978-02-06 to 1988-01-01
Railroad Flat South	MRFM	California,U.S.A.	38.2453N	120.5210W	799	From 1976-07-12
Rainbow Creek	VRC	Oregon,U.S.A.	42.3367N	122.2180W		From 1993-10-07
Rainbow Monument	RMU	Utah,U.S.A.	37.0760N	110.9700W	1536	
Rainbow Mountain	RBY	North Island,New Zealand	38.3211S	176.3880E		From 1984-01-01 to 1984-04-30
Rainelle	RN-	West Virginia,U.S.A.	38.0764N	80.8483W	853	From 1962-12-31 to 1963-05-16
Rainelle	RN-WV	West Virginia,U.S.A.	38.0764N	80.8483W	853	From 1962-12-31 to 1963-05-16
Rainier	RAIO	Washington,U.S.A.	46.0403N	122.8851W	11	
Rainier, OR	F04D	Oregon	46.0829N	123.0108W	236	From 2009-11-14
Rainshed	RSD	Hawaii,U.S.A.	19.4630N	155.2780W	1270	
Rainy Point	RAEZ	North Island,New Zealand	39.2883S	174.3933E	326	
Rajabasa	RBSI	Sumatera,Indonesia	5.8445S	105.7420E	0	From 2007-12-01
Rakhov	RAK	Ukraine	48.0550N	24.1980E	460	
Raleigh	RALT	Tennessee,U.S.A.	35.2060N	89.9410W	100	
Raluana Point	RPT	New Britain,Papua New Guinea	4.2952S	152.2160E	1	From 1972-01-01
Ramage Ranch	RAMR	California,U.S.A.	35.6360N	120.8698W	416	
Ramage Ranch, Paso Robles	V04C	California,U.S.A.	35.6360N	120.8699W	431	From 2004-06-07 to 2007-09-01
Ramah	W20A	New Mexico,U.S.A.	35.1259N	108.5001W	2110	From 2008-01-13 to 2010-02-07
Raman	RAM	Turkey	37.7658N	41.2925E	850	From 1964-01-01
Ramapo Mountain	RAMA	New Jersey,U.S.A.	41.0952N	74.1807W	247	From 1978-11-21
Ramban	RMBN	Jammu and Kashmir,India	33.2312N	75.2455E		
Ramesheh	IRAM	Iran	31.8088N	52.3815E	2000	From 2000-09-01
Ramhormoz	RMKL	Iran	30.9820N	49.8090E	176	From 2008-01-22
Ramite	RAMN	Nepal	26.9500N	86.6000E	2134	From 1994-04-01
Rammel Mountain	RAMW	Wyoming,U.S.A.	43.8890N	110.9500W	2512	From 1986-01-01
Rampart Ranch, Las Vegas	V24A	New Mexico,U.S.A.	35.7259N	105.2716W	2187	From 2008-06-03
Rampur	RPR	Andhra Pradesh,India	18.8579N	79.2939E	162	From 2008-10-01
Rancho Bola	RANB	Spain	36.6328N	6.1384W	65	From 1993-04-01 to 2003-05-07
Rancho Dawling	RDX	Baja California,Mexico	31.9282N	115.9422W	1708	From 1989-09-29
Rancho Los Cerritos	LCL	California,U.S.A.	33.8333N	118.1920W	8	
Rancho Maria	CAMI	Ecuador	0.6767S	78.5047W	3630	From 2005-05-17
Rancho Maria	MARY	Ecuador	0.7337S	78.4867W	3700	From 1990-09-07
Rancho Navarro	GRNM	California,U.S.A.	39.1753N	123.5760W	73	
Rancho No Tengo, Wagon Mound	V25A	New Mexico,U.S.A.	35.8383N	104.6164W	1861	From 2008-05-17
Rancho Palos Verdes	RPV	California,U.S.A.	33.7433N	118.4043W	64	From 1993-01-01
Rancho San Jose	RSJ	Baja California,Mexico	30.9733N	115.7450W	650	
Rancolfo	B001	Italy	43.2550N	12.4317E	494	From 2011-02-08
Randall Ranch, Ashland	T31A	Kansas,U.S.A.	37.0977N	99.6771W	564	From 2009-04-01
Randle	E05A	Washington,U.S.A.	46.5605N	121.7608W	1481	From 2005-10-28 to 2008-02-11
Randolf College Riding Center, Lynchburg	RCRC	Virginia,U.S.A.	37.4320N	79.2718W	271	
Rand Water	RDWR	South Africa	26.2901S	28.0370E	1645	From 2010-01-01
Rangdo, Negare	RTBI	Bali	8.4597S	114.9420E	300	
Rangely	RGC	Colorado,U.S.A.	40.1042N	108.9270W	1610	From 1975-02-01
Rangipo	RGZ	North Island,New Zealand	39.1553S	175.8340E		From 1984-08-01 to 1989-04-30
Rangitukua	RATZ	North Island,New Zealand	38.8686S	175.7710E	649	From 1984-12-01
Rangndo	RANI	Bali,Indonesia	8.4525S	114.9490E	500	
Rangoon	RAN	Myanmar	16.8667N	96.1833E	14	
Rankin Inlet	YRTN	Northwest Territories,Canada	62.8104N	92.1096W	23	
Ranney Well	RWW	Washington,U.S.A.	46.9639N	123.5433W	15	
Ranong	RNTT	Thailand	9.3904N	98.4778E	38	
Ransiki, Papua	RKPI	Irian Jaya,Indonesia	1.5107S	134.1773E	106	From 2008-12-01
Rantau Prapat	RPSI	Sumatera,Indonesia	2.6951N	98.9240E	0	From 2007-12-01
Ranyah	RNYS	Saudi Arabia	21.4267N	42.7662E		
Raoul Island	RIZ	Kermadec Islands,New Zealand	29.2449S	177.9289W	110	From 2009-06-01
Raoul Island	RAO	Kermadec Islands,New Zealand	29.2517S	177.9180W	110	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Rapa Nui	RPN	Easter Island,Chile	27.1267S	109.3340W	110	From 1987-07-01
Rapid City	RCD	South Dakota,U.S.A.	44.0750N	103.2080W	995	From 1943-01-01
Rapindik	RAP	New Britain,Papua New Guinea	4.2289S	152.1970E	3	From 1950-01-01 to 1958-12-31
Rarotonga	RAR	Cook Islands	21.2125S	159.7730W	28	From 1965-08-01
Ras Al Marh	MARH	Syria	34.0261N	36.4817E	2640	From 1994-12-01
RASCA	PRAR	Romania	47.3617N	26.2276E	451	From 2008-11-27
Ras En-Naqb	NAQJ	Jordan	30.0000N	35.5050E	1640	From 1990-03-15
Raspberry Island	RAI	Alaska,U.S.A.	58.0605N	153.1590W	520	From 1975-10-01
Rata	RATI	Bali,Indonesia	8.7233S	115.5320E	400	
Rata Peaks	RPZ	South Island,New Zealand	43.7163S	171.0538E	412	
Rataul	RTUL	Uttar Pradesh,India	28.8322N	77.3418E	0	
Rath Farm, Roundup	E19A	Montana,U.S.A.	46.4611N	108.7860W	1059	From 2008-08-13
Rathfarnham	DUB	Ireland	53.2986N	6.2825W	52	
Rat Island	RAT	Alaska,U.S.A.	51.7991N	178.3300E	226	From 1970-10-14 to 1973-04-30
Raton	RT-NM	New Mexico,U.S.A.	36.7294N	104.3603W	1951	From 1961-12-04 to 1965-03-22
Raton	RT-	New Mexico,U.S.A.	36.7294N	104.3603W	1951	From 1961-12-04 to 1965-03-22
Rattlesnake Hills	RSW	Washington,U.S.A.	46.3945N	119.5913W	1045	From 1970-07-01
Rattlesnake Mountain	RMW	Washington,U.S.A.	47.4597N	121.8050W	1024	
Rattlesnake Point	ORAM	California,U.S.A.	39.4687N	121.4130W	588	From 1975-08-05
Raukumara Range	RUGZ	North Island	37.9651S	177.6775E	1175	From 2011-05-19
Rauma	RAF	Finland	61.0230N	21.7640E	30	From 2005-10-31
Raurimu	RUZ	North Island,New Zealand	39.1269S	175.3380E	450	From 1990-08-14 to 1992-06-30
Rausu	JRA	Nemuro,Japan	43.9378N	145.1220E	10	
Rauvai	RUV	Tuamotu,French Polynesia	15.1889S	147.3840W	3	
Ravarino	RAVA	Italy	44.7559N	11.1188E	15	From 2003-11-10
Ravensbos	RSB	Netherlands	50.8883N	5.8325E	135	From 1970-02-01 to 1972-04-10
Ravensburg	RAV	Baden-Wurttemberg,Germany	47.7870N	9.6216E	460	From 1914-01-01 to 1994-09-30
Raver	RAW	Washington,U.S.A.	47.3372N	121.9314W	208	
Ravine Marchand	RMGF	Guadeloupe	16.0443N	61.6657W	1150	
Rawhide Mountain	RH-NV	Nevada,U.S.A.	38.2267N	116.3814W	1768	
Rawiri	RAGZ	North Island,New Zealand	38.4956S	177.4154E	947	From 2009-06-15
Rawlins	RWWY	Wyoming,U.S.A.	41.6889N	107.2102W	2402	From 2004-09-01
Rawlins	L21A	Wyoming,U.S.A.	41.9641N	107.3695W	2065	From 2007-10-31 to 2009-10-10
Raymond Alberta	RAYA	Alberta,Canada	49.3863N	112.6873W	1023	From 2010-07-09
Raywood Flat	RAY	California,U.S.A.	34.0363N	116.8110W	2342	
Razeghan	IRAZ	Iran	35.4046N	49.9290E	1950	From 1996-01-01
Reagan Ranch, Oscar	Y34A	Oklahoma,U.S.A.	33.9574N	97.7573W	262	From 2009-11-07
Reales	REAL	Spain	36.4840N	5.2078W	1452	
Reason Mountain	RMNB	California,U.S.A.	36.0009N	120.4777W	1091	
Reay	ORE	Scotland,United Kingdom	58.5480N	3.7622W	100	From 1995-09-21
Receiver Site	NYR	Nevada,U.S.A.	37.0553N	116.0920W	1279	From 1971-01-01 to 1973-01-31
Reche Mountain	RCH	California,U.S.A.	34.3073N	116.3500W	841	From 1979-04-01
Recreation Park	RCP2	California,U.S.A.	33.7777N	118.1330W	-85	From 1985-03-22
Recreo	REC	Guatemala	14.4375N	90.5227W	1500	From 1975-04-01
Rector, Farmersville	RCTC	California,U.S.A.	36.3100N	119.2400W	107	From 2004-04-01
Red Bluff	O02C	California,U.S.A.	40.1767N	122.7883W	962	From 2005-07-20 to 2007-10-11
Red Butte Canyon	RBU	Utah,U.S.A.	40.7808N	111.8080W	1676	From 1974-06-01
Red Cone	RCO	Hawaii,U.S.A.	19.4060N	155.6298W	3601	
Reddig Ranch South, Frazer	B22A	Montana,U.S.A.	48.3008N	105.9964W	836	From 2008-09-14 to 2010-07-15
Redding Peak	LRDM	California,U.S.A.	40.4642N	121.4610W	859	From 1976-11-12
Red Dirt Ranch, Kanab	T15A	Utah,U.S.A.	37.0183N	112.3824W	1561	From 2007-02-14 to 2008-11-11
Red Earth Creek	RDEA	Alberta	56.5513N	115.3179W	0	From 2011-06-08
Red Feather Lakes	N23A	Colorado,U.S.A.	40.8947N	105.9440W	2458	From 2008-07-05
Redhead, NSW Australia	REDH	New South Wales	33.0197S	151.6975E	8	From 2011-01-01
Red Hill	RHT	Tennessee,U.S.A.	35.0781N	84.8825W	299	
Red Hills	RHJ	Jamaica	18.0707N	76.8540W	779	From 1993-11-01
Redig	RG-SD	South Dakota,U.S.A.	45.2164N	103.5347W	945	From 1965-10-25 to 1966-09-26
Redig	RG-	South Dakota,U.S.A.	45.2164N	103.5347W	945	From 1965-10-25 to 1966-09-26
Red Ives Forest Station, Avery	D12A	Idaho,U.S.A.	47.0528N	115.3525W	1135	From 2006-11-08 to 2009-07-21
Red Lake	RK-	Ontario,Canada	50.8389N	93.6722W	366	
Red Lake	RLKO	Ontario,Canada	51.0704N	93.7585W	362	From 2004-11-19
Red Lake	RSON	Ontario,Canada	50.8589N	93.7022W	335	From 1982-01-01 to 1990-10-01
Red Lake	RDLO	Ontario,Canada	50.9745N	93.9124W	390	
Red Lake	RK-ON	Ontario,Canada	50.8389N	93.6722W	366	
Red Lodge	RLMT	Montana,U.S.A.	45.1221N	109.2673W	2086	
Red Lodge	YPRL	Montana,U.S.A.	45.1617N	109.3017W	1951	
Red Mountain	KRMM	California,U.S.A.	41.5221N	123.9063W	1247	
Red Mountain	RDMU	Utah,U.S.A.	40.5708N	109.5695W	2087	From 2009-12-02
Red Mountain	KRMB	California,U.S.A.	41.5230N	123.9080W	1265	
Red Mountain	REDWA	Washington,U.S.A.	46.2987N	119.4383W	366	
Redondo Peak	REDP	New Mexico,U.S.A.	35.8711N	106.5630W	3417	From 1977-10-01
Redoubt	RDT	Alaska,U.S.A.	60.5738N	152.4060W	930	From 1971-08-09
Redoubt East 2	RDDR	Alaska,U.S.A.	60.5849N	152.5863W	905	
Redoubt East Flank	REF	Alaska,U.S.A.	60.4892N	152.7020W	1801	From 1990-03-14
Redoubt Jeurgen	RDJH	Alaska,U.S.A.	60.5911N	152.8036W	1414	
Redoubt North	RDN	Alaska,U.S.A.	60.5138N	152.7630W	1372	From 1988-01-01
Redoubt South	RSO	Alaska,U.S.A.	60.4622N	152.7540W	1921	From 1990-03-01
Redoubt South 1	RS1	Alaska,U.S.A.	60.4602N	152.7580W	1864	From 1990-09-10
Redoubt South 2	RS2	Alaska,U.S.A.	60.4630N	152.7573W	1953	From 1990-09-10
Redoubt Volcano	RED	Alaska,U.S.A.	60.4189N	152.7720W	1067	From 1974-01-01
Redoubt Vol. East	RDE	Alaska,U.S.A.	60.5869N	152.5925W	564	
Redoubt West	RDW	Alaska,U.S.A.	60.4827N	152.8100W	1813	From 1990-09-07
Redoubt West	RDWB	Alaska,U.S.A.	60.4881N	152.8402W	1546	
Red Ridge	RRI2	Idaho,U.S.A.	43.3474N	111.3201W	2558	From 1986-07-02
Red Ridge	RRI	Idaho,U.S.A.	43.3630N	111.3380W	2408	From 1985-07-20 to 1986-07-02
Red Rock Canyon	RRO	Oklahoma,U.S.A.	35.4569N	98.3584W	482	From 1978-08-09
Red Rock Canyon	MRCM	California,U.S.A.	37.6717N	118.5060W	2030	From 1986-07-23
Red Spur Mountain	RSUT	Utah,U.S.A.	41.6385N	111.4150W	2682	From 1979-10-01
Redstone	A23A	Montana,U.S.A.	48.9592N	104.8786W	665	From 2008-09-10 to 2010-07-14
Red Top Meadow	REDW	Wyoming,U.S.A.	43.3624N	110.8520W	2192	From 1986-01-01
Redvale	R20A	Colorado,U.S.A.	38.1888N	108.3792W	2003	From 2008-01-05 to 2010-02-07
Redwood Retreat	JRRM	California,U.S.A.	37.0545N	121.7270W	408	From 1976-01-09
Reed	REKY	Kentucky,U.S.A.	37.8520N	87.3280W	0	
Reedy Creek 5	WRCQ	Queensland,Australia	27.1874S	152.6631E		From 1984-07-11
Rees Ranch, Coalville	N16A	Utah,U.S.A.	40.8869N	111.4370W	2028	From 2007-07-10 to 2009-04-07
Refahiye_ERZ¯NCAN	REFA	Turkey	39.3960N	38.7651E	1594	From 2010-10-27
Reffroy	RFYF	Champagne-Ardenne,France	48.6289N	5.4741E	330	From 2002-08-20
Refrontolo, Italy	MREF	Italy	45.9249N	12.2117E	268	From 2010-06-08
Refugio	RETU	Ecuador	1.4512S	78.4460W	4050	From 1994-12-02
Refugio Cayambe	CAYR	Ecuador	0.0153N	78.0066W	4868	
Refugio Guagua Pichincha	GGP	Ecuador	0.1743S	78.5947W	4420	From 1988-09-30
Regan	D28A	North Dakota,U.S.A.	47.1929N	100.5692W	621	From 2009-08-04
Regar	RGR	Tajikistan	38.5000N	68.2333E		
Regar	REG*	Tajikistan	38.5000N	68.2333E		
Reggio Calabria	RCI	Italy	38.1056N	15.6433E	29	
Reggio Calabria	MRCB	Italy	38.1620N	15.7030E	500	From 1993-12-01
Reichold	RHA	Alabama,U.S.A.	33.2417N	87.4660W	83	From 1971-01-09
Reidovoe	REI	Sakhalinskaya Oblast',Russia	45.2667N	148.0167E		
Reims	RMSF	Champagne-Ardenne	49.2820N	4.0210E	110	From 2008-01-01
Rein	RISI	Italy	46.9480N	12.0787E	1785	From 2006-12-13
Reinach, Rainenweg	SRER	Switzerland	47.5116N	7.5979E	343	From 2011-04-01
Reinach, Reinacherhof	SRNR	Switzerland	47.5111N	7.6034E	341	From 1997-08-07
Reindeer	RND	Alaska,U.S.A.	63.4062N	148.8530W	991	From 1986-01-01
Rekieta Farm, Paducah	Y31A	Texas,U.S.A.	33.9620N	100.2615W	530	From 2009-03-16
Reko	RKS	Solomon Islands,Papua New Guinea	9.1564S	159.8080E		
Relizane	REL	Algeria	35.7500N	0.5500E	75	From 1955-01-01 to 1961-12-31
Relizane	RLA	Algeria	35.5833N	0.5833E	180	
Rembrandt	REMW	Washington,U.S.A.	46.1992N	122.1840W	2102	From 1987-01-01
Remote	REM	Alaska,U.S.A.	65.9550N	164.5780W	300	
Remote	RON	Alaska,U.S.A.	62.6912N	150.2040W	470	From 1971-08-01 to 1974-10-31
Renegade Can. W	WRCM	California,U.S.A.	35.9502N	117.6470W	954	From 1975-09-26
Renegade Canyon West	RCWM	California,U.S.A.	35.9502N	117.6470W	954	From 1975-09-26
Rengat	RGRI	Sumatera,Indonesia	0.3491S	102.3338E	41	From 2005-01-01
Rennes	RENF	Bretagne,France	48.1190N	1.6350W	40	
Reno	REN	Nevada,U.S.A.	39.5400N	119.8130W	1383	From 1911-01-01 to 1975-02-28
Reno Superiore	RSP	Italy	45.1482N	7.2653E	1285	From 1986-01-01
Rentapao	RTV	Vanuatu	17.7925S	168.4250E		
Repubblica di San Marino	RSM	San Marino,Italy	43.9303N	12.4497E	645	From 1988-01-01
Republican Road	RRRZ	North Island,New Zealand	38.3408S	176.5144E	493	From 2007-12-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Resadiye-TOKAT	RSDY	Turkey	40.3972N	37.3273E	550	From 2007-06-13
Reservoir Flats	RFM	Montana,U.S.A.	46.1047N	112.4870W	2353	From 1984-01-01 to 1987-11-13
Resinera	RESI	Spain	36.8732N	3.0700W	1322	
Resolute Bay	RES	Northwest Territories,Canada	74.6867N	94.9000W	15	
Restoule Provincial Park	RSPO	Ontario,Canada	46.0734N	79.7602W	264	
Resuttano	RESU	Italy	37.6468N	14.0568E	785	From 2008-02-25
Retamim	RTMI	Israel	31.0545N	34.6912E	261	From 2006-09-04
Retamin	RTMM	Israel	31.0510N	34.6863E	255	
Reunion Island	REU	Reunion	21.1950S	55.5772E	1550	From 1968-05-03
Reutte	RETA	Austria	47.4871N	10.7623E	965	From 2006-12-13
Reveille Range	RVE	Nevada,U.S.A.	38.0197N	116.1920W	2290	From 1979-06-08 to 1981-12-31
Reventador volcano	EPALM	Ecuador	0.2133S	77.7292W	1761	From 2002-11-21
Revere	REVF	Provence-Cote d'Azur,France	43.7400N	7.3675E	700	
Reverse DX Ranch, Oshkosh	M27A	Nebraska,U.S.A.	41.5281N	102.3872W	1147	From 2008-12-05
Revivim	RVVM	Israel	31.0410N	34.7210E	200	
Revivim	REVI	Israel	31.0405N	34.7200E	273	From 2010-06-16
Rev-Rev Volc	REVE	Ecuador	0.0420S	77.5235W	1440	From 2002-04-04 to 2003-04-01
REWA	REW	Madhya Pradesh,India	24.5658N	81.3354E	280	From 2000-06-04
Rexburg	REX	Idaho,U.S.A.	43.8125N	111.7830W	1532	From 1972-04-20
Rexford	RXF	Montana,U.S.A.	48.8648N	115.1240W	1231	From 1976-10-01 to 2004-03-11
Reyes Peak	RYS	California,U.S.A.	34.6433N	119.3510W	1841	From 1976-06-01
Reyhanli	REYT	Turkey	36.2500N	36.6000E	230	From 1998-03-01
Reykjanes	IRNE	Iceland	63.8168N	22.7056W	19	From 2008-06-19
Reykjavik	REY	Iceland	64.1278N	21.9050W	44	
Reynihlio	IREN	Iceland	65.6470N	16.9060W	338	From 1996-11-03
Rhampton Hrock	RK1	Queensland,Australia	23.3886S	150.4938E	87	
Rhampton Srock	RK2	Queensland,Australia	23.3825S	150.5248E	40	
Rheinberg	BRHE	Nordrhein-Westfalen,Germany	51.5155N	6.5710E	24	From 2004-12-01
Rheinpreussen Mine	RPM	Nordrhein-Westfalen,Germany	51.4723N	6.6343E	-412	
Rhenigidale	RRH	Scotland,United Kingdom	57.9197N	6.6882W	103	From 1995-09-10
Rhiw	YRH	Wales,United Kingdom	52.8335N	4.6290W	300	From 1984-01-01
Rhoboro Hills	RHP	South Island,New Zealand	44.1008S	170.0840E	899	From 1975-06-01 to 1983-11-21
Rhodes	RHO	Greece	36.4372N	28.2236E	45	From 1965-11-18 to 1966-04-04
Rhodes College	RDST	Tennessee,U.S.A.	35.1578N	89.9886W	79	
Rhoscolyn	YRC	Wales,United Kingdom	53.2506N	4.5741W	24	From 1984-01-01
Riachuelo	RCBR	Rio Grande do Norte,Brazil	5.8275S	35.9014W	420	
Riallon	OG20	Provence-Cote d'Azur,France	44.6133N	6.3312E	1570	From 1989-01-17
Ribeira Ch	PRCH	Azores,Portugal	37.7280N	25.4800W	225	From 2003-01-01
Ribeira da Areia	RIA	Azores,Portugal	38.6597N	28.0394W	420	From 1981-07-01
Ribeira da Areia	RIA0	Azores,Portugal	38.6597N	28.0394W	420	From 1981-07-01
Ribeirinha	RIB2	Azores,Portugal	38.6715N	27.1731W	387	From 1983-10-01
Ribeirinha	RIB	Azores,Portugal	37.7995N	25.4611W	526	
Ribeirinha	PID	Azores,Portugal	38.4422N	28.1192W	450	
Riberalta	RTA	Bolivia	11.0067S	66.0783W	175	
Rib Lake	RL-WS	Wisconsin,U.S.A.	45.3081N	90.0986W	472	From 1963-04-10 to 1963-05-13
Rib Lake	RL-	Wisconsin,U.S.A.	45.3081N	90.0986W	472	From 1963-04-10 to 1963-05-13
Rice	B09A	Washington,U.S.A.	48.4226N	118.1488W	630	From 2006-09-01 to 2008-06-13
Rice Lake	RLW	Wisconsin,U.S.A.	45.6597N	91.5594W		
Riceville	RCT	Tennessee,U.S.A.	35.3453N	84.6614W	265	
Richard P. Wilkes	ARWM	California,U.S.A.	38.9563N	121.1620W	320	From 1976-01-29
Richfield	PEUT	Utah,U.S.A.	38.7759N	112.0886W	1644	From 2008-05-28
Richland	RCW	Washington,U.S.A.	46.3472N	119.2740W	390	
Richland Balsam	RBNC	North Carolina,U.S.A.	35.3570N	82.9860W	1829	From 1982-05-26
Richland Springs	333A	Texas,U.S.A.	31.3249N	98.9841W	443	From 2009-11-13
Richmond	LRN	England,United Kingdom	54.4167N	1.7858W	300	From 1991-01-01
Richmond	RIC	Florida,U.S.A.	25.6167N	80.4167W		
Richmond Field	RFSB	California,U.S.A.	37.9161N	122.3361W	-118	
Richmond-San Rafael Bridge	RSRB	California,U.S.A.	37.9357N	122.4465W	-157	
Rich Mountain	RICH	North Carolina,U.S.A.	35.9195N	82.8187W	968	From 1983-06-19 to 2008-02-13
Richton	RI-MS	Mississippi,U.S.A.	31.1978N	88.8508W	37	
Rickey Ranch	ARRM	California,U.S.A.	38.7653N	121.1720W	127	From 1976-12-02
Ridgley Place, Grand Junction	Q20A	Colorado,U.S.A.	38.9541N	108.2956W	1716	From 2007-11-30 to 2010-02-07
Ridgway	RW4	Colorado,U.S.A.	38.1568N	107.6160W	2739	From 1983-01-01
Ridgway	RW3	Colorado,U.S.A.	38.2502N	107.6870W	2603	From 1983-01-01
Ridgway	RW2	Colorado,U.S.A.	38.3080N	107.7270W	2405	From 1983-01-01
Ridgway	RW5	Colorado,U.S.A.	38.0800N	107.8320W	2991	From 1983-01-01
Ridgway	RW1	Colorado,U.S.A.	38.2587N	107.7890W	2443	From 1983-01-01
Ridgway	RW6	Colorado,U.S.A.	38.2023N	107.9340W	3063	From 1983-01-01
Ridotti (Balsorano, AQ)	T0205	Italy	41.7954N	13.6045E	690	From 2009-10-08 to 2010-01-14
Riehen 2 (BS)	RIEH2	Switzerland	47.5936N	7.6581E	-642	From 2006-10-01 to 2007-07-12
Riehen-Baumlih	SRHB	Switzerland	47.5713N	7.6244E	260	From 1996-12-13
Riekki	KU6	Finland	66.0255N	29.8907E	275	From 2006-10-06
Riesel	336A	Texas,U.S.A.	31.3870N	96.8443W	140	From 2010-02-17
Rifaina	RIFB	Sao Paulo,Brazil	20.0737S	47.5019W	860	From 1993-01-01
Rifugio Sapienza	ERSA	Sicily,Italy	37.6987N	14.9943E	1880	From 1994-10-01
Right Bank House--Pihur	RBH	Pakistan	34.0705N	72.6705E	364	
Rignano Grg	RGNG	Italy	41.6742N	15.5864E	587	
Rihia Road	RITZ	North Island,New Zealand	38.9790S	175.8583E	510	
Riito	RII	Baja California,Mexico	32.1640N	114.9603W	15	From 1977-02-01
Rijeka	RIY	Croatia	45.3250N	14.4830E	190	From 1989-05-04
Rikitea	RKT	Gambier Islands,French Polynesia	23.1197S	134.9733W	50	
Rilland Hill	SRH	St Vincent,Saint Vincent and the Grenadines	13.1860N	61.2540W	274	
Rim	RIM	Hawaii,U.S.A.	19.3983N	155.2770W	1128	From 1973-05-01
Rimouski	RIMQ	Quebec,Canada	48.4400N	68.4800W	129	From 1984-08-22
Rimrock	RMR	California,U.S.A.	34.2128N	116.5750W	1702	
Rimuhau	RIGZ	North Island,New Zealand	38.7058S	177.7622E	621	From 2009-06-30
Rinconada Maipu	RCDM	Santiago,Chile	33.4892S	70.8064W	487	
Riobamba	RIOE	Ecuador	1.7525S	78.6308W	2733	From 2007-01-01
Riobamba	RIOE1	Ecuador	1.7482S	78.6274W	2733	From 2006-01-20
Rio Blanco	RBC	Colorado,U.S.A.	39.8425N	108.3920W	1996	From 1973-01-01 to 1973-12-31
Rio Branco	RIOB	Acre,Brazil	10.1501S	67.7470W	220	
Rio Carpintero	RCC	Cuba	19.9942N	75.6958W	100	From 1965-07-25
Rio Claro- Sao Paulo-Brazil	RCLB	Sao Paulo	22.4191S	47.5310W	658	From 2002-08-31
Rio de Janeiro	RDJ	Rio de Janeiro,Brazil	22.8950S	43.2233W	29	
Rio Frio	RFVM	Mexico D.F.,Mexico	19.3332N	98.7617W	3105	
Rio Grande	RIOV	Venezuela	8.0690N	61.8140W	279	From 2002-11-06
Rio Grant	RIO	New Mexico,U.S.A.	35.7547N	106.1760W	2073	From 1975-02-21 to 1976-09-17
Rio Hardy	RHM	Sonora,Mexico	32.1422N	115.2860W	10	From 1969-02-16
Riolos of Patras	RLS	Greece	38.0578N	21.4667E	100	From 1976-07-15
Rio Macho	RMCR	Costa Rica	9.7845N	83.8572W	1420	
Rionero Sannitico	RNI2	Italy	41.7025N	14.1525E	970	
Rio Piedras	ERIP	Spain	37.3729N	7.2551W	82	From 1995-11-22
Rio Tinto	TINT	Spain	37.7667N	6.6333W		
Riou	RIU	Alaska,U.S.A.	59.8783N	141.2280W	15	
Rio Verde	RVRD	Ecuador	1.0676N	79.3851W	47	From 2008-11-28
Rio Vista Mine	RVM	California,U.S.A.	34.1803N	114.2000W	243	From 1977-05-01
Risco	RSCM	Missouri,U.S.A.	36.5679N	89.7731W	82	
Rishiri	JRR	Soya,Japan	45.1378N	141.3112E	27	
Rising Star	233A	Texas,U.S.A.	32.0179N	98.8998W	539	From 2009-11-18
Rita Coyotepec	IIC	Mexico D.F.,Mexico	19.7670N	99.2580W	2725	
Rita Site, White Sands Missle Range	Z23A	New Mexico,U.S.A.	33.2621N	106.2319W	1278	From 2008-05-14
Riverhead Borehole	RVAZ	North Island,New Zealand	36.7718S	174.5790E	-191	From 2008-04-03
Riveris	RIVT	Rheinland-Pfalz,Germany	49.7082N	6.7653E	269	
Riverside	RVR	California,U.S.A.	33.9933N	117.3750W	260	From 1926-10-19
Riverside	RVUT	Utah,U.S.A.	41.8383N	112.2590W	1951	From 1979-09-01 to 1980-10-31
Riverside Borehole	RSBC	California,U.S.A.	33.9731N	117.3272W	297	
Riverside Mountains	RVS	California,U.S.A.	34.0347N	114.5180W	677	From 1974-04-01
Riverview	RIV	New South Wales,Australia	33.8294S	151.1580E	25	From 1909-01-01
Riviere de l'Est	RER	Reunion	21.1590S	55.7460E	834	From 1986-02-10
Riviere-du-Loop	RDLQ	Quebec,Canada	47.8400N	69.5400W	55	From 1980-08-19
Riviere Ouelle	A16	Quebec,Canada	47.4706N	70.0064W	15	From 1977-08-30
Riviere-Ouelle	ROUQ	Quebec,Canada	47.4800N	70.0000W	26	From 1984-08-28
Riyadh	RYD	Saudi Arabia	24.7200N	46.6100E	649	From 1986-01-01
Riyadh	RYDS	Saudi Arabia	24.1900N	46.6400E	594	From 2001-06-25
Rjupnafell	IRJU	Iceland	63.6174N	18.6721W	173	From 2010-12-16
Roach Canyon	PRCM	California,U.S.A.	36.2562N	120.6200W	623	
Roan Cliffs	ROA	Utah,U.S.A.	39.6615N	110.3647W	2962	
Robert W. Jensen	ARJM	California,U.S.A.	38.6865N	120.9560W	460	From 1976-12-02
Robets Cordova Ranch, Walsenberg	S25A	Colorado,U.S.A.	37.6606N	104.4349W	1821	From 2008-06-12

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Robic@19	ROBS	Slovenia	46.2445N 13.5094E	265	
ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT		Juan Fernandez Islands	33.6538S 78.7960W	388	From 2004-04-24
Robinson Place, Fruitland	O17A	Utah,U.S.A.	40.1948N 110.7378W	2079	From 2007-08-15 to 2009-04-10
Robledal	RBDL	El Salvador	14.1130N 89.6865W	1431	
Robourent	ROB	Italy	44.2958N 7.8863E	810	From 1967-01-01
Rob Roy	ROYM	Victoria,Australia	37.6399S 145.2885E	180	
Roby	131A	Texas,U.S.A.	32.6737N 100.3888W	622	From 2009-03-14
Rocca di Mezzo	RM04	Italy	42.1885N 13.4515E	1109	From 2009-04-06 to 2009-04-22
Rocca di Papa	RDP	Italy	41.7583N 12.7167E	760	From 1983-01-01
Roccamonfina	RFI	Italy	41.3006N 13.9847E	780	From 1988-05-01
Rocca Remolon	RRL	Italy	44.9208N 6.7908E	2130	From 1985-01-01
Roccaromana	RMI2	Italy	41.2528N 14.2636E	702	
Rocca Rossa	RORO	Italy	44.1122N 8.0662E	260	From 1998-07-01
Roccetta Nervino	RONM	Italy	43.8763N 7.5982E	300	From 2001-01-01
Rocchetta Tanaro	ROTM	Italy	44.8493N 8.3527E	221	From 2001-01-01
Rocchetta Volt	RVI2	Italy	41.6219N 14.0214E	990	
Rochefort	RCHB	Belgium	50.1560N 5.2280E	161	From 2000-01-01
Rochester	ROC	New York,U.S.A.	43.1245N 77.5923W	155	From 1959-02-13
Rochester High School	RRHS	Washington,U.S.A.	46.7996N 123.0404W	47	
Rochester Mine, Lovelock	O08A	Nevada,U.S.A.	40.2903N 118.1550W	2137	From 2006-02-23 to 2008-03-06
Rochester (NY)	RMO	New York,U.S.A.	43.1317N 77.5386W	141	From 1968-03-22 to 1971-09-30
Rochford	I25A	South Dakota,U.S.A.	44.0196N 103.7324W	1856	From 2009-06-08
Rock Avalanche	RKAV	Alaska,U.S.A.	60.2998N 141.3458W	1647	
Rock City	RCG	Georgia,U.S.A.	34.9750N 85.3480W	468	From 1981-10-23 to 2008-02-13
Rock Creek Ranch, Frenchglen	K07A	Oregon,U.S.A.	42.6912N 119.2469W	1407	From 2006-05-30 to 2008-04-07
Rock Creek Ranch, Golconda	N09A	Nevada,U.S.A.	40.8520N 117.5244W	1617	From 2006-04-20 to 2008-03-07
Rock Eagle	REG	Georgia,U.S.A.	33.4421N 83.3371W	178	From 1978-02-01
Rockefeller Mts	RMA	King Edward VII Land	78.1333S 155.4170W	390	From 1940-11-17 to 1940-12-28
Rockhampton 2 Soft	RK2S	Queensland,Australia	23.3102S 150.5216E	36	From 2009-01-01
Rockland Lake	RLSP	New York,U.S.A.	41.1453N 73.9107W	61	
Rocklands	ROKL	Victoria,Australia	37.2333S 141.9568E	215	From 2008-12-03
Rocklands Reservoir	ROKM	Victoria,Australia	37.2420S 141.9550E	200	
Rockport	RPW	Washington,U.S.A.	48.4483N 121.5140W	850	
Rocksprings	531A	Texas,U.S.A.	30.1645N 100.5464W	661	From 2009-02-15
Rocksprings	532A	Texas,U.S.A.	30.1278N 99.9049W	703	From 2009-02-18
Rock Springs	M19A	Wyoming,U.S.A.	41.5047N 109.1569W	2080	From 2007-10-24
Rocky Butte	RBO	Oregon,U.S.A.	45.5408N 122.5643W	158	
Rocky Gully	RKG	Western Australia,Australia	34.5698S 117.0100E	300	From 1983-07-01 to 2006-05-29
Rocky Gully	RKGY	Western Australia,Australia	34.6094S 116.9773E	220	From 1999-09-04
Rocky Mountain Net	TVGG	Georgia,U.S.A.	34.3772N 85.3023W	323	
Rodeo	AROD	San Juan,Argentina	30.1664S 69.4742W	2832	
Rodeo	RTRS	San Juan,Argentina	30.1700S 69.4603W		
Rodeo Gulch Road	JRGM	California,U.S.A.	37.0370N 121.9650W	213	From 1976-01-28
Rodgers	KRPM	California,U.S.A.	41.1582N 124.0230W	829	
Rodhopi	RDO	Greece	41.1462N 25.5375E	100	From 1988-01-01
Rodini	RODI	Greece	38.3229N 21.8961E	80	From 2010-07-03
Rodman Mountain	ROD	California,U.S.A.	34.6297N 116.6050W	1292	
Roellen	RELT	Missouri,U.S.A.	36.0332N 89.3022W	107	
Roetgen-Dahlheim	RODG	Nordrhein-Westfalen,Germany	51.1447N 6.1803E	70	From 2002-07-01
Roetschberg	BD07	Nordrhein-Westfalen,Germany	50.9433N 6.6740E	74	From 2001-01-01
Roger Stewart	RGRS	South Carolina,U.S.A.	32.9075N 80.1942W	-52	From 1986-06-01
Roghun	RAG	Tajikistan	38.7000N 69.7800E		
Rognes	ROG	Provence-Cote d'Azur,France	43.6840N 5.3127E	310	
Rognes	RGS	Norway	63.0210N 10.4350E	120	From 1985-12-22 to 2003-04-05
Rohrbach	ROHR	Sachsen,Germany	50.2342N 12.3168E	629	From 2001-08-07
Rohtak	ROH	Haryana,India	28.9000N 76.6000E	220	
Rohtak	RTK	Haryana,India	29.0333N 76.4143E	0	
ROIAK	ROIA	Bulgaria	43.0933N 27.3778E	355	From 2006-10-01
Roio Piano	T0106	Italy	42.3069N 13.3837E	1260	From 2009-04-08
Rokh Bas	RKHB	Iran	32.6841N 50.8917E	2600	From 2011-01-01
Rokko	RKO	Hyogo,Japan	34.7639N 135.3018E	540	
Rokugo	JRG	Iwate,Japan	39.3963N 140.6338E	200	
Rolduc	RDC	Netherlands	50.8694N 6.0847E	145	
Rolla	ROL	Missouri,U.S.A.	37.9178N 91.8689W	200	From 1965-01-01
Rolling Bench Mark	BRMM	California,U.S.A.	36.8345N 120.8240W	372	From 1973-12-03
Roma	ROM9	Italy	41.8284N 12.5155E	110	From 2002-10-01
Roma	RTQ	Queensland,Australia	26.5678S 148.8514E	350	
Roma	RMQ	Queensland,Australia	26.4857S 148.7582E	375	From 1984-08-11
Roman Lake	ROMN	Northwest Territories,Canada	64.3157N 118.0182W	395	From 2007-08-12 to 2010-07-16
Roman Nose	RNO	Oregon,U.S.A.	43.9122N 123.7410W	875	From 1991-09-01
Rombauer	RMB	Missouri,U.S.A.	36.8860N 90.2780W	147	From 1974-06-27
Rome	K09A	Oregon,U.S.A.	42.6996N 117.7251W	1176	From 2006-08-05 to 2008-04-03
Rome	ROM	Italy	41.9033N 12.5133E	45	
Rome, Mte Porzio	RMP	Italy	41.8111N 12.7022E	380	
Rome (USA)	RMG	Georgia,U.S.A.	34.3679N 85.2816W	244	From 1979-05-01
Romrod	GWBF	Hessen,Germany	50.7285N 9.1763E	368	From 2002-06-17
Ronchi	N004	Italy	43.4684N 12.3373E	465	From 2011-02-08
Roncone	RNI	Italy	45.9817N 10.6447E	1450	From 1981-06-15
Ronqui¨ere	BRQR	Belgium	50.6062N 4.2246E	40	From 1989-09-05
Roodepoort, Johannesburg	DRD	South Africa	26.1720S 27.8621E	1729	From 2010-03-19
Roopena	RPA	South Australia,Australia	32.7250S 137.4030E		
Roosevelt	O18A	Utah,U.S.A.	40.2655N 110.0082W	1582	From 2007-07-25 to 2009-04-10
Roosevelt	RPK	Washington,U.S.A.	45.7617N 120.2310W	549	From 1975-11-01
Roosevelt	Y17A	Arizona,U.S.A.	33.6953N 110.8444W	866	From 2007-04-17 to 2009-01-22
Roosevelt Hot Springs	RHU	Utah,U.S.A.	38.4722N 112.8470W	1905	From 1978-02-01
Roosevelt Roads	RRD	Puerto Rico	18.2360N 65.6180W	40	From 1975-03-01 to 1999-08-25
Roosevelt Roads	RRP	Puerto Rico	18.2333N 65.6333W		
Roppe	ROF	Franche Comte,France	47.6806N 6.9008E	500	
Roquetas del Mar	EROQ	Spain	40.8232N 0.4088E	284	From 1987-02-01
Rosais	ROSA	Azores,Portugal	38.7195N 28.2415W	310	From 1989-07-01
Rosal de la Frontera, Huelva	E016	Spain	37.9670N 7.0568W	320	From 2007-09-26 to 2009-06-23
Rosebud	GOIL	Illinois,U.S.A.	37.2900N 88.5800W	165	
Rosebud	F22A	Montana,U.S.A.	45.7794N 106.2569W	882	From 2008-11-13
Rosedale State School	RDSS	Queensland,Australia	24.6238S 151.9168E	117	From 2004-08-09
Roselend	RSL	Rhone-Alpes,France	45.6883N 6.6256E	1583	
Rose Lookout	RLO	Oklahoma,U.S.A.	36.1652N 95.0229W	341	From 1977-05-01
Rosemanowes	CRQ	England,United Kingdom	50.1672N 5.1726W	165	From 1981-02-01
Rosemanowes 2	CRQ2	England,United Kingdom	50.1669N 5.1686W	152	From 1981-01-01
Rosenbuehl-Arzberg	MROB	Bayern,Germany	50.0832N 12.1786E	570	From 2001-10-09
Roseneath	ROS	North Island,New Zealand	41.2833S 174.8000E		
Rose Park Fire Station, Salt Lake City, UT	RPF	Utah,U.S.A.	40.7753N 111.9203W	1287	From 2007-10-03
Rose Pump	RSE	California,U.S.A.	32.9255N 115.4992W	-41	
Rose Valley	RVW	Washington,U.S.A.	46.1495N 122.7440W	460	From 1981-02-01
Rose Valley Central	RVCM	California,U.S.A.	36.0080N 117.8900W	1067	From 1975-09-26
Rose V. Central	WRVM	California,U.S.A.	36.0080N 117.8900W	1067	From 1975-09-26
Ross	ROSS	Washington,U.S.A.	45.6619N 122.6569W	61	
Rossano	ROI	Italy	39.5718N 16.5692E	605	From 1979-06-01
Ross Creek	RCJ	Utah,U.S.A.	40.6585N 111.4393W	2090	From 1992-10-30
Rosskopf	ROSI	Italy	46.9281N 11.4118E	1917	From 2006-12-13
Rosslynne Res.	LYNN	Victoria,Australia	37.4755S 144.5741E	447	
Rostrenen	ROSF	Bretagne,France	48.3364N 3.2736W	260	From 1996-04-03
Roswell	Z25A	New Mexico,U.S.A.	33.2797N 104.7171W	1233	From 2008-04-16
Rota	RTN	Nicaragua	12.5333N 86.7832W	240	From 1975-01-01
Roteberg	ROTU	Sweden	61.4200N 15.8140E	100	From 2000-06-29
Roth Farm, Molt	F19A	Montana,U.S.A.	45.8538N 108.9437W	1243	From 2008-08-07
Rotoiti	RTY	South Island,New Zealand	41.8075S 172.8430E	635	From 1984-07-25 to 2003-09-09
Rotorua	ROT	North Island,New Zealand	38.1333S 176.2500E	284	From 1936-01-01 to 1942-12-31
Rotten Point	ROKY	Kentucky,U.S.A.	37.9090N 83.9260W	433	
Rotterdam (NY)	ROTD	New York,U.S.A.	42.7508N 74.0872W	283	
Rotzenmuhle	ROTZ	Bayern,Germany	49.7669N 12.2070E	430	
Rough Rock, Chinle	U18A	Arizona,U.S.A.	36.4199N 109.8696W	1878	From 2007-05-19 to 2009-02-11
Rougiers	ROU	Provence-Cote d'Azur,France	43.4014N 5.8457E	500	
Round Butte Dam	VRBM	Oregon,U.S.A.	44.6008N 121.2700W	743	
Round Hill, Nevis	NVRH	Nevis,Saint Kitts and Nevis	17.1835N 62.6001W	305	From 2002-05-06
Round Hill Res.	CRHM	California,U.S.A.	37.8588N 121.9926W	259	
Round Mountain	GROM	California,U.S.A.	39.9168N 122.6712W	1261	
Round Mountain	RMT	California,U.S.A.	39.9172N 122.6690W		
Round Mountain	RMI	Idaho,U.S.A.	42.0788N 113.3462W	1516	
Round Mountain	GRMM	California,U.S.A.	39.0205N 122.5843W	469	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Round Mountain	RDM	California,U.S.A.	34.4000N	117.1850W	1426	From 1976-12-01
Round Top Mountain	GRTM	California,U.S.A.	38.9387N	122.6700W	619	
Roure	OG33	Rhone-Alpes,France	44.0918N	7.0872E	1195	From 2000-08-09
Rovaniemi	RNF	Finland	66.6090N	26.0135E	171	From 2007-09-01
Rovere (Rocca di Mezzo)	RM13	Italy	42.1816N	13.5810E	1282	From 2009-04-07 to 2009-09-02
Rovereto Di Novi	ROVE	Italy	44.8530N	10.9497E	21	
Rover˜¤ Veronese	ROVR	Italy	45.6468N	11.0721E	1316	From 2008-10-08
Rowesville	ROW	South Carolina,U.S.A.	33.3650N	80.7944W	35	From 1977-10-23
Rowsley	ROWM	Victoria,Australia	37.8058S	144.2915E	380	
Roxas	RCP	Panay,Philippines	11.5600N	122.7450E	140	
Roxburgh	ROX	South Island,New Zealand	45.4758S	169.3200E	106	
Royal City	RC1	Washington,U.S.A.	46.9433N	119.4330W	500	From 1988-05-27
Rozhen	RZN	Bulgaria	41.6880N	24.7160E	1730	
Ruatahuna	RTZ	North Island	38.6154S	176.9805E	867	From 2011-05-05
Ruataniwha	RTP	South Island,New Zealand	44.2845S	170.0863E	500	From 1976-09-06 to 1976-11-24
Rubha Reidh	RRR	Scotland,United Kingdom	57.8577N	5.8067W	61	From 1995-09-10
Rude Farm, Bottineau	A28A	North Dakota,U.S.A.	48.9096N	100.2669W	692	From 2009-08-11
Rudovci	RUDS	Serbia	44.3878N	20.4003E	0	
Ruedersdorf	RUE	Germany	52.4800N	13.7800E		
Rugen	RGN	Mecklenberg-Vorpommern,Germany	54.5477N	13.3214E	15	
Ruggs Ranch, Heppner	G07A	Oregon,U.S.A.	45.2664N	119.6692W	801	From 2006-08-17 to 2008-05-09
Ruhr-University Bochum -- Hof Stiepel	BHOF	Nordrhein-Westfalen,Germany	51.4289N	7.2614E	132	From 2011-02-07
Ruhr-University Bochum--Klosterbusch Mine	BKLB	Nordrhein-Westfalen,Germany	51.4401N	7.2697E	85	
Ruhr-University Bochum - Language Institute	BULI	Nordrhein-Westfalen	51.4544N	7.2602E	145	From 2011-06-09
Ruhr-University Bochum--Staatshockbauamt	BSHA	Nordrhein-Westfalen,Germany	51.4469N	7.2445E	148	
Ruhr-University Bochum--Technical Center	BTEZ	Nordrhein-Westfalen,Germany	51.4490N	7.2790E	112	
Rumangabo	RUM	Congo (Kinshasa)	1.3400S	29.3600E	1590	From 1955-01-01 to 1969-12-31
Rumipamba	QUR	Ecuador	0.1717S	78.5288W	3720	From 1988-07-19
Rumoi	RMJ	Rumoi,Japan	43.9433N	141.6367E	22	
Rundenannen	RUND	Norway	60.4135N	5.3672E	525	From 1997-09-01
RUNDU	RUDU	Namibia	17.9090S	19.7210E	1071	From 2006-04-05
Runtun	RUN2	Ecuador	1.4218S	78.4132W	2430	From 1994-12-02
Runtun	RUN5	Ecuador,Ecuador	1.4152S	78.4242W	2630	From 2005-05-01
Runtun 3	RUN3	Ecuador	1.4467S	78.4270W	3290	
Ruppelstein	RUP	Rheinland-Pfalz,Germany	49.7017N	7.0593E	750	From 1976-01-01
Rusayo	RSY	Congo (Kinshasa)	1.5780S	29.1810E	1694	
Rushworth	RUSM	Victoria,Australia	36.6642S	144.9472E	127	
Russellman Park	CRPB	California,U.S.A.	37.9123N	121.9072W	307	
Russellman Park	CRPM	California,U.S.A.	37.9125N	121.9060W	331	From 1970-09-18 to 2008-10-01
Russell Place, West Yellowstone	H16A	Montana,U.S.A.	44.7038N	111.2478W	2080	From 2007-08-25 to 2009-09-07
Russell Springs	RS-KY	Kentucky,U.S.A.	37.1986N	84.8683W	274	From 1965-12-03 to 1965-12-13
Russell Springs	RS-	Kentucky,U.S.A.	37.1986N	84.8683W	274	From 1965-12-03 to 1965-12-13
Russkaya	RUS	Kamchatskaya Oblast',Russia	52.4331N	158.5131E	75	
Rustrel	RUSF	Provence-Cote d'Azur,France	43.9410N	5.4840E	550	From 2000-08-02
Rutbah	RTB	Iraq	33.0295N	40.3077E	612	
Ruteng	RUTI	Flores,Indonesia	8.6120S	120.4650E	0	From 2005-01-01
Ruth	RUT	Nevada,U.S.A.	39.2333N	114.9830W	2270	From 1960-01-01 to 1964-04-30
Ruthven	RUN	California,U.S.A.	32.9722N	114.9770W	151	From 1973-04-16
Ruweisid	RUWJ	Jordan	32.4750N	38.4019E	751	From 1989-10-02
R-V Farms, Vernon	Y32A	Texas,U.S.A.	34.0036N	99.4420W	412	From 2009-03-20
Ryan	RYN	Nevada,U.S.A.	38.6282N	118.5230W	1585	From 1974-08-01
Rybach'ye	RYB	Kyrgyzstan	42.4500N	76.0833E		
Rybnik	RBN	Poland	50.0981N	18.5336E	250	From 1950-01-01 to 1969-12-31
Ryder	RY-	North Dakota,U.S.A.	48.0972N	101.4944W	640	From 1963-07-22 to 1966-06-03
Ryder	RY-ND	North Dakota,U.S.A.	48.0972N	101.4944W	640	From 1963-07-22 to 1966-06-03
Ryogami san	JRY	Saitama,Japan	36.0167N	138.9017E	480	
S2 Ranch, Elgin	F09A	Oregon,U.S.A.	45.7087N	117.9094W	894	From 2006-08-09 to 2008-06-21
Saathoff Ranch, Hondo	633A	Texas,U.S.A.	29.4591N	99.1766W	320	From 2009-12-05
Saatly	SAAT	Azerbaijan	39.8610N	48.4230E	13	From 2010-04-08
Saba	SBN	Netherlands Antilles	17.6370N	63.2350W	870	From 1976-10-01
Saba	SABA	Caribbean Sea,Netherlands Antilles	17.6205N	63.2426W	261	From 2006-10-30
Saba	SABS	Netherlands Antilles	17.6206N	63.2430W	500	
Saba	SABT	Netherland Antilles	17.6205N	63.2430W	880	From 2000-01-22
Sabancuy	SCIG	Campeche,Mexico	18.9670N	91.1853W	40	From 2000-07-01
Sabatlo	SBTG	Georgia	41.3236N	46.6639E	256	From 2003-01-01
Sabc	SABC	Cuba	20.3800N	75.1900W		
Saberio	SAB	Georgia	42.6600N	41.8500E	180	
Sable island	SABG	Nova Scotia,Canada	43.9312N	60.0084W	0	From 2005-10-13
Sabuk	KSGWL	South Korea	37.2076N	128.8235E	1	From 2007-12-11
Sacbachol	SBL	Guatemala	14.8917N	91.2787W	3403	From 1980-01-01
Sachs Harbour	SWT	Northwest Territories,Canada	71.9933N	125.2830W	80	From 1980-12-03 to 1986-07-14
Sachs Harbour	SXT	Northwest Territories,Canada	71.9892N	125.2400W	77	From 1986-08-13
Sacramento	SMKY	Kentucky,U.S.A.	37.4230N	87.2760W	158	From 1985-01-01
Sacranix	SXG	Guatemala	15.5058N	90.4197W	1904	From 1985-11-01 to 1999-08-25
Sacuragua	FISA	Venezuela	11.2648N	69.3333W	600	From 1986-12-01 to 1999-08-25
Sa da Bandeira	SDB	Angola	14.9258S	13.5719E	1781	From 1962-01-01 to 1975-12-31
Sad'ah	SADA	Yemen	16.9330N	43.7500E	1850	
Sadao Pong	PBKT	Thailand	16.5700N	100.9700E	8	From 2008-01-01
Saddle Back Butte	SBB	California,U.S.A.	34.6883N	117.8250W	832	From 1974-01-03
Saddleback Mountain	SBKC	California,U.S.A.	35.0788N	117.5810W	881	
Saddle Mountain	SDL	Washington,U.S.A.	46.7954N	119.4910W		
Saddle Peak	SADC	California,U.S.A.	34.0810N	118.6650W	732	From 1973-08-01
Sadie Cove	SDEM	Alaska,U.S.A.	59.4433N	151.2820W	770	From 1983-07-04 to 1984-06-29
Sado	JSD	Niigata,Japan	38.0370N	138.2603E	146	
Sadowa	SADO	Ontario,Canada	44.7694N	79.1417W	243	From 1993-12-03
Sadrabad	ISAD	Iran	31.9136N	53.6855E	2457	From 1998-10-01
Saentis	SAX	Switzerland	47.2507N	9.3449E	2500	From 1983-07-01 to 2001-08-28
Safranbolu	SAFT	Turkey	41.2398N	32.6872E	406	
Saga	SAG	Saga,Japan	33.2450N	130.3050E	4	
Sagara	SGRN	Shizuoka,Japan	34.7122N	138.1889E	55	
Sagara	JSG	Shizuoka,Japan	34.6743N	138.1860E	107	
Saggi Highlands	SAGI	Israel	30.2040N	34.6770E	560	
Sagiada	SGD	Greece	39.6126N	20.2343E	145	From 2010-05-13
Saguache, Gunnison	R22A	Colorado,U.S.A.	38.2289N	106.7561W	2773	From 2007-12-19 to 2010-02-07
Saham	SHMJ	Jordan	32.7270N	35.7640E	363	From 1989-08-28
Sahibganj	SHBG	Bihar,India	25.2167N	87.6667E		
Saibi	SISI	Sumatera,Indonesia	1.3265S	99.0895E	0	From 2007-12-01
Saidpur	SAD	Pakistan	33.7422N	73.0633E	838	From 1988-09-18
Saigo	SAI	Shimane,Japan	36.2018N	133.3363E	27	
Saijyo	JHS	Hiroshima,Japan	34.9987N	133.1163E	470	
Saint Agoulin	AGO	Auvergne,France	46.0524N	3.1311E	523	From 1984-07-01
Saint Andre	A21	Quebec,Canada	47.7036N	69.6897W	46	From 1977-08-30
Saint Andrews	SAW	Washington,U.S.A.	47.7017N	119.4010W	704	From 1975-06-01
Saint Aubin	JSA	Channel Islands,United Kingdom	49.1879N	2.1709W	21	From 1981-01-01
Saint-Augustin-de-Desmaures	SADQ	Quebec,Canada	46.7485N	71.5365W	82	From 2007-11-01
Saint Breward	SBD	England,United Kingdom	50.5653N	4.6856W	220	
Saint Catharines	STCO	Ontario,Canada	43.2096N	79.1705W	96	From 1991-07-26
Saint Claude	SCG	Guadeloupe	16.0289N	61.6810W	646	
Saint-Cripin	OG21	Provence-Cote d'Azur,France	44.7155N	6.6185E	1395	From 1988-09-13
Saint Croix	SCV	Virgin Islands	17.7817N	64.7890W	12	From 1975-04-01 to 1999-08-25
Saint Croix	SCVI	Virgin Islands	17.7614N	64.5831W	10	From 2003-11-06
Sainte Mathilde	A61	Quebec,Canada	47.6931N	70.0900W	358	From 1981-06-05
Sainte-Reine	OG07	Rhone-Alpes,France	45.5927N	6.1410E	915	From 1992-10-07
Saint-Etienne-de-Cuines	OG10	Rhone-Alpes,France	45.3522N	6.2758E	1035	From 1992-10-15
Saint-Etienne-de-Tinee	STET	Provence-Cote d'Azur,France	44.2590N	6.9290E	1200	
Saint Francis	P28A	Kansas,U.S.A.	39.5732N	101.7548W	1105	From 2009-05-11
Saint Francis Retreat	HSFM	California,U.S.A.	36.8120N	121.4990W	340	From 1975-11-13
Saint Francois	SFG	Guadeloupe	16.2533N	61.1965W	10	From 1975-01-01
Saint George	T13A	Utah,U.S.A.	37.0195N	113.9073W	878	From 2007-01-29 to 2008-10-09
Saint George	GGN	New Brunswick,Canada	45.1184N	66.8421W	6	From 1981-10-28
Saint George	SGS	South Carolina,U.S.A.	33.1925N	80.5095W	25	From 1973-03-08
Saint George	WDO	Utah,U.S.A.	37.1076N	113.5865W	831	From 2008-05-28
Saint George Infrasonic Array Beam Ref. Pt.	SGIAR	Utah,U.S.A.	37.9159N	113.6150W		
Saint George Infrasonic Array Site 1	SGI01	Utah,U.S.A.	37.9159N	113.6150W		
Saint George Infrasonic Array Site 2	SGI02	Utah,U.S.A.	37.0097N	112.4915W		
Saint George Infrasonic Array Site 3	SGI03	Arizona,U.S.A.	36.1139N	113.6150W		
Saint George Infrasonic Array Site 4	SGI04	Nevada,U.S.A.	37.0097N	114.7385W		
Saint George's Hill	MGH	Montserrat	16.7200N	62.2160W	351	From 1980-07-09
Saint Gilles	SGMF	Bretagne,France	48.2542N	2.5569W	230	From 1996-04-03

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Saint Helena Island	SHLN	Saint Helena	15.9167S	5.7333W	274	From 1907-01-01 to 1942-12-31
Saint Helena Road	NSHM	California,U.S.A.	38.5200N	122.6070W	328	From 1970-08-14
Saint-Hilarion	SHQ	Quebec,Canada	47.6034N	70.4009W	411	
Saint Jean	DPQ	Quebec,Canada	46.6805N	72.7773W	167	
Saint Jean de L'Alberes	SJAF	Languedoc-Rousillon,France	42.4845N	2.8822E	450	From 1998-11-16
Saint Joe	SJID	Idaho,U.S.A.	47.3640N	116.4112W	1775	
Saint John	SJV	Virgin Islands	18.3450N	64.7620W	280	From 1975-06-01
Saint John's	SJNN	Newfoundland,Canada	47.5952N	52.6781W	146	From 2005-10-12
Saint John's	STJ	Newfoundland,Canada	47.5717N	52.7328W	62	From 1964-06-01 to 1991-08-31
Saint John's	STJN	Newfoundland,Canada	47.5699N	52.7559W	167	From 1991-08-12 to 2006-03-28
Saint John's Bayou	SJMO	Missouri,U.S.A.	36.6290N	89.4760W	91	
Saint Joseph Seminary	SJH	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
Saint Joseph's Hill	JJOM	California,U.S.A.	37.2063N	121.9773W	343	
Saint-Julien-en-Beauchene	OG19	Provence-Cote d'Azur,France	44.6303N	5.7260E	1035	From 1989-10-13
Saint-Julien-le-Roux	VIVF	Rhone-Alpes,France	44.8561N	4.6728E	620	From 1996-04-03
Saint Kitts	SKI	St Kitts,Saint Kitts and Nevis	17.3333N	62.7390W	306	From 1959-04-17
Saint Kitts	STKP	St Kitts,Saint Kitts and Nevis	17.3800N	62.8270W	366	
Saint Kitts 2	SKDB	St Kitts,Saint Kitts and Nevis	17.3969N	62.8083W		From 1988-01-01
Saint Louis	SLM	Missouri,U.S.A.	38.6361N	90.2361W	161	From 1909-10-01
Saint Louis du Ha Ha	SLQ	Quebec,Canada	47.6662N	69.0103W	320	From 1984-06-07
Saint Lucia	SLI	St Lucia	14.0280N	61.0080W	30	From 1955-03-08 to 1959-02-02
Saint Martial	SSM	Haiti	18.5556N	72.3375W	26	
Saint Martin du Canigou	SMCF	Languedoc-Rousillon,France	42.5280N	2.4018E	1000	
Saint Martin du Fouilloux	MFF	Poitou-Charentes,France	46.6022N	0.1458W	270	From 1971-03-24
Saint Mary's College	SMCB	California,U.S.A.	37.8388N	122.1116W	177	
Saint-Maurice-en-Valgodemard	OG14	Provence-Cote d'Azur,France	44.8152N	6.1123E	1090	From 1988-10-26
Saint Nazaire	OCF	Rhone-Alpes,France	44.5783N	5.3021E	840	
Saint Ours	SURF	Provence-Cote d'Azur,France	44.4808N	6.8128E	1820	From 1983-10-01
Saint Patrick	MSPT	Montserrat	16.6835N	62.1992W	127	
Saint Patrick Mountain	VPMM	Oregon,U.S.A.	43.1933N	120.6660W	1387	
Saint Paul	SP-IS	Alaska,U.S.A.	57.1542N	170.2181W	10	
Saint Paul	SPP	Alaska,U.S.A.	57.1533N	170.2400W		
Saint Paul Island	SPIA	Alaska,U.S.A.	57.1776N	170.2455W	84	
Saint Paul Islands	SPI	Alaska,U.S.A.	57.1600N	170.2250W		From 1967-07-02 to 1967-09-10
Saint Petersburg	LNN	Leningradskaya Oblast',Russia	59.9333N	30.3000E	3	
Saint Petersburg	NE51	Leningradskaya Oblast',Russia	59.8810N	29.8260E	20	
Saint Peter's Dome Lookout	SPD	New Mexico,U.S.A.	35.7578N	106.3690W	2566	From 1973-09-01
Saint Peters School	SPSY	New York,U.S.A.	41.3019N	73.8906W	168	
Saint Philip	BBSP	Barbados	13.1045N	59.4579W	35	
Saint Pierre	SPR	St Pierre and Miquelon	46.7833N	56.1833W		
Saint Roch-des-Aulnaies	A11	Quebec,Canada	47.2425N	70.1978W	61	From 1977-08-30
Saint Saulge	SSF	Bourgogne,France	47.0615N	3.5060E	355	From 1967-03-29
Saint Saulge	SSF1	Bourgogne,France	47.1167N	3.5014E		
Saint Sauveur de Carouges	SSC	Basse-Normandie,France	48.5842N	0.1075W	300	
Saint Sauveur en Rue	SSB	Rhone-Alpes,France	45.2792N	4.5417E	700	
Saint Simeon	A64	Quebec,Canada	47.8264N	69.8922W	137	From 1977-08-30
Saint-Thibaud-de-Couz	OG09	Rhone-Alpes,France	45.5123N	5.8363E	630	From 1988-10-21
Saint Thomas	STVI	Virgin Islands	18.3514N	64.9539W	12	
Saint Thomas	VST	Virgin Islands	18.3540N	64.9570W	372	From 1975-04-01 to 1999-08-25
Saint Vincent	SVT	St Vincent,Saint Vincent and the Grenadines	13.1680N	61.2450W	38	From 1964-03-03 to 1999-08-25
Saint Vincent	SVI	St Vincent,Saint Vincent and the Grenadines	13.1700N	61.2580W	10	
Saint Vincent's CYO School for Boys, San Rafael	SVIN	California,U.S.A.	38.0333N	122.5264W	0	
Saipan	SAPN	Mariana Islands	15.2149N	145.7516E	209	From 1991-01-01
Sajaritas	SAJV	Venezuela	10.3648N	71.3511W	65	
Sakai	SAA	Tottori,Japan	35.5500N	133.2330E	2	
Sakaide	JJS	Kagawa,Japan	34.3737N	133.9307E	210	
Sakarya_HENDEK	SAHE	Turkey	40.8525N	30.8536E	461	From 2011-01-11
Sakata	SAK	Yamagata,Japan	38.9067N	139.8470E	4	
Sakata 2	SKH	Yamagata,Japan	38.8567N	139.9730E	58	From 1978-03-01
Saki	SHKI	Azerbaijan	41.2050N	47.1950E	600	From 1973-01-01
Sakolnakorn	SKNT	Thailand	16.9742N	103.9815E	254	
Sakura	SKU	Chiba,Japan	35.7167N	140.2330E		
Sala	SALA	Syria	32.7112N	36.7329E	1670	From 1995-02-01
Sala Consilina	SLCN	Italy	40.3900N	15.6328E	986	
Salado	SDO	Atacama,Chile	26.4194S	70.3111W		
Salagasta	ASAL	Mendoza,Argentina	32.5911S	68.8349W	972	
Salakas	ISAL	Lithuania	55.5711N	26.1255E	175	
Salau	SALF	Midi-Pyrenees,France	42.7600N	1.1893E	900	From 1989-01-01
Salazar	SZVM	Mexico D.F.,Mexico	19.3230N	99.3810W	3357	
Salem	SALM	Tamil Nadu,India	11.6500N	78.2000E	0	From 2000-01-01
Salem	VSMM	Oregon,U.S.A.	44.9270N	123.1270W	290	
Salem	SX-	South Dakota,U.S.A.	43.8747N	97.2500W	488	From 1962-11-09 to 1962-12-12
Salem	SX-SD	South Dakota,U.S.A.	43.8747N	97.2500W	488	From 1962-11-09 to 1962-12-12
Sale Mountain	SLEB	British Columbia,Canada	51.1667N	118.1330W	2075	
Salina	SNK	Kansas,U.S.A.	38.9530N	97.6030W	407	From 1978-04-18 to 2001-07-15
Salina	SLNA	Italy	38.5636N	14.8329E	361	
Salina IE	ISLN	Sicily,Italy	38.5803N	14.8135E	283	From 1988-01-01
Salinas	SALI	Ecuador	2.1863S	80.9908W	50	From 1996-03-07
Salinas	SLN	Antofagasta,Chile	23.1539S	69.6111W	1350	
Salinas Radio	AN12*	California,U.S.A.	36.6685N	121.5190W	399	From 1969-05-09 to 1977-03-04
Salinas Radio Site	BSRM	California,U.S.A.	36.6665N	121.5190W	395	From 1977-03-09
Salinas Radio Site	SRC	California,U.S.A.	36.6685N	121.5190W	399	From 1969-05-09 to 1977-03-04
Sal'it	SLTI	Israel	32.2405N	35.0403E	250	From 2002-05-28
Salmond Ranch, Choteau	C15A	Montana,U.S.A.	47.7750N	112.6072W	1522	From 2007-09-09 to 2009-08-14
Salo	SAL	Italy	45.6075N	10.5261E	77	
Salome	Y13A	Arizona,U.S.A.	33.8142N	113.8287W	356	From 2006-03-16 to 2008-10-21
Salr	SALO	Italy	45.6183N	10.5243E	600	From 2005-11-03
Salt	SALJ	Jordan	32.0093N	35.6847E	780	From 1983-09-01
Salta	SLT	Salta,Argentina	24.7833S	65.4167W		
Saltair	SAU	Utah,U.S.A.	40.8197N	112.0730W	1283	From 1974-03-01 to 1982-04-30
Saltdale	SDLC	California,U.S.A.	35.3805N	117.8867W	756	
Saltillo	SALX	Baja California,Mexico	32.4222N	115.1303W	50	From 1994-08-16
Salt Lake City	SLC	Utah,U.S.A.	40.7638N	111.8480W	1423	From 1962-04-01
Salto do Cavalo	SDCA	Azores,Portugal	37.7939N	25.3172W	644	From 1981-01-01
Saltoluokta	SALU	Sweden	67.3801N	18.5067E	500	From 2003-08-24
Salton Sea Test Base	SLTC	California,U.S.A.	33.2648N	115.9232W	-50	
Saltpond	SPG	Ghana	5.2000N	1.0667W	50	From 1980-02-01 to 1980-06-30
Saltspring Island	SSIB	British Columbia,Canada	48.7558N	123.3875W	12	
Salvajina	SALC	Colombia	2.9729N	76.6952W	1430	From 1988-11-01
Samad	SMDO	Oman	23.0589N	58.0492E	1000	From 2001-07-01
Samaipata	SMB	Bolivia	18.1667S	63.8500W	1650	
Samana, DR	SMN1	Dominican Republic	19.1878N	69.2733W	521	From 2007-03-01
Samandagi	SMDT	Turkey	36.1090N	35.9490E	20	From 1997-05-01
Samarinda	SMKI	Kalimantan,Indonesia	0.4461S	117.2085E	97	From 2005-01-01
Samarkand	SAM	Uzbekistan	39.6733N	66.9900E	704	
Samaxi	SHE	Azerbaijan	40.6380N	48.6390E	840	From 1902-01-01
Sambava	SBV	Madagascar	13.4584S	49.9212E	63	From 2009-11-19
Samburg	DY4	Tennessee,U.S.A.	36.4167N	89.3031W	140	From 1969-01-01 to 1972-12-31
Sameba	SAMG	Georgia	41.6972N	44.8157E	465	From 2003-01-01
Samen	HSAM	Iran	34.2116N	48.6023E	2330	From 2011-04-01
Sam Houston State University, Huntsville	438A	Texas,U.S.A.	30.7500N	95.4741W	97	From 2010-02-17
Samo	SOI	Italy	38.0722N	16.0550E	300	
Samoens	OG03	Rhone-Alpes,France	46.0667N	6.7305E	1000	From 1990-04-25
Samokov	SAMO	Former Yugoslav Rep. of Macedonia	41.6928N	21.1392E	638	From 2004-01-01
Samos	SMS	Greece	37.8000N	26.7000E		
Samos	SMG	Greece	37.7087N	26.8370E	340	From 1989-06-01
Samothraki Island	SMTH	Greece	40.4709N	25.5304E	365	From 2009-04-08
Samovar Hills	SAMH	Alaska,U.S.A.	60.1298N	140.7809W	1140	
Sampolo	SMPL	Corse,France	42.0940N	9.2850E	405	
Samsun-Alacam	SAMS	Turkey	41.3610N	36.1872E	192	From 2010-12-01
Samsville	SMV	Illinois,U.S.A.	38.4890N	88.0820W	134	From 1974-04-01
Samuel	SRB	Rondonia,Brazil	8.8333S	63.4717W		
Samuel	SAML	Rondonia,Brazil	8.9488S	63.1832W	101	
Sam W. Stewart	SWSC	California,U.S.A.	32.9408N	115.7958W	140	
San'a	SANA	Yemen	15.3870N	44.2050E	2280	
Sanada	SDJ	Nagano,Japan	36.4367N	138.3050E	660	From 1968-07-01 to 1973-03-31
Sanae	SNA	Dronning Maud Land	70.3150S	2.3250W	57	
Sanae	SNAA	Dronning Maud Land	71.6707S	2.8379W	846	
Sanak Island	SNKA	Alaska,U.S.A.	54.4740N	162.7750W	159	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sanana	SANI	Moluccas,Indonesia	2.0496S	125.9881E	28	From 2009-12-03
Sanandaj	SNGE	Iran	35.0925N	47.3470E	1940	From 2004-04-04
San Andreas	JSAM	California,U.S.A.	37.5825N	122.4170W	207	From 1973-10-01
San Andreas	SAC	California,U.S.A.	37.5825N	122.4170W	207	From 1973-10-01
San Andreas Geological Observatory	SAO	California,U.S.A.	36.7640N	121.4472W	317	From 1966-01-01
San Andreas Lake	LT9	California,U.S.A.	37.5760N	122.4230W	335	From 1967-07-13 to 1972-09-27
San Andreas Lake	JSLM	California,U.S.A.	37.5760N	122.4233W	335	
San Andres	AUQP	Luzon,Philippines	13.3230N	122.6750E	50	
San Andres	SRD	Colombia	6.8132N	72.8503W	1640	From 1975-01-25
San Angelo	331A	Texas,U.S.A.	31.3085N	100.4266W	615	From 2009-03-05
San Angelo	SA4TX	Texas,U.S.A.	31.8247N	101.4264W	792	From 1967-04-17 to 1967-05-23
San Angelo	SA2	Texas,U.S.A.	31.5500N	100.9075W	732	From 1967-04-16 to 1967-05-16
San Angelo	SA4	Texas,U.S.A.	31.8247N	101.4264W	792	From 1967-04-17 to 1967-05-23
San Angelo	SA2TX	Texas,U.S.A.	31.5500N	100.9075W	732	From 1967-04-16 to 1967-05-16
San Antonio	SLP	Guatemala	14.7430N	90.2828W	1410	From 1978-06-01
San Antonio Reservoir	PANM	California,U.S.A.	35.7797N	120.9070W	451	
San Antonio Texas	SAT1	Texas	28.5550N	98.6450W	-27	From 2010-04-30
San Ardo	PSAM	California,U.S.A.	36.0253N	120.8880W	184	
Sanarito	SANV	Venezuela	9.5010N	69.5360W	1083	From 2002-05-29
Sanatorio Duran	SDS	Costa Rica	9.9333N	83.8836W	2340	
San Bartolome de la Torre, Huelva	E008	Spain	37.4969N	7.1304W	184	From 2007-09-26 to 2009-06-23
San Benito	SBT	California,U.S.A.	36.5095N	121.0760W	442	From 1971-01-28
San Benito	BBNM	California,U.S.A.	36.5095N	121.0760W	442	From 1971-01-28
San Bernardino	IIB	Puebla,Mexico	18.9640N	98.3447W	2380	
San Bernardino Valley	SBVC	California,U.S.A.	34.0881N	117.3110W		
San Blas	SBLS	El Salvador	13.8393N	89.6230W	1949	
Sanborn	SANY	New York,U.S.A.	43.1738N	78.8703W	172	From 1977-10-19 to 2002-12-20
Sanbornton	NH1	New Hampshire,U.S.A.	43.5473N	71.5743W	402	
San Bruno Mountain	JSBM	California,U.S.A.	37.6790N	122.3970W	194	
San Calixto	LPZ	Bolivia	16.4953S	68.1327W	3658	From 1912-01-01
San Caprasio	ESAC	Spain	41.7219N	0.4693W	815	
San Carlos High School, San Carlos	Z17A	Arizona,U.S.A.	33.2969N	110.4723W	846	From 2007-04-16 to 2009-01-21
San Casciano dei Bagni	SACS	Italy	42.8491N	11.9097E	845	From 2004-12-16
SANCHEONG	KSSAC	South Korea	35.4060N	127.8754E	139	From 2000-12-06
Sanchez	DR13	Dominican Republic	19.2405N	69.5887W	400	
San Clemente Island	SCI	California,U.S.A.	32.9800N	118.5470W	219	From 1967-07-27
San Cristobal	SCRV	Venezuela	7.7889N	72.1917W	818	
San Cristobal	SCX	Chiapas,Mexico	16.7358N	92.6345W		From 1987-01-01
San Cristobal	SCR	Santiago,Chile	33.5000S	71.0000W		
San Cristobal	CRIN	Nicaragua	12.7000N	87.0500W	685	
Sandakan	SDKM	Sabah,Malaysia	5.6410N	117.1950E	523	From 2003-04-01
San Damiano	DOI	Italy	44.5041N	7.2466E	1039	
Sand Bay	SBY	Alaska,U.S.A.	51.9976N	176.0920W		From 1948-08-01 to 1951-12-31
Sand Canyon	SNDC	California,U.S.A.	35.1426N	118.3029W	1294	
Sand Creek	SCRK	Alaska,U.S.A.	63.9769N	143.9859W	1375	
Sanders	W19A	Arizona,U.S.A.	35.1118N	109.3879W	1785	From 2007-04-29 to 2009-02-02
Sanderson	SS-TX	Texas,U.S.A.	30.0214N	102.3281W	732	From 1961-10-19 to 1963-06-11
Sanderson	SS-	Texas,U.S.A.	30.0214N	102.3281W	732	From 1961-10-19 to 1963-06-11
Sanderson Ranch, Post	Z30A	Texas,U.S.A.	33.2861N	101.1282W	729	From 2009-03-10
Sanders Place, Florence	R24A	Colorado,U.S.A.	38.2315N	105.1075W	1978	From 2008-06-02
Sandia	CSAM	California,U.S.A.	37.6737N	121.7040W	215	From 1979-10-09
San Diego	SDC	California,U.S.A.	32.6833N	117.2420W		
San Diego	SND	California,U.S.A.	32.7667N	117.0670W	125	
San Diego Bay	SGB	Alaska,U.S.A.	55.5458N	160.4540W	275	
San Diego Road Dept, El Cajon	SDRC	California,U.S.A.	32.7356N	116.9424W	113	From 2001-04-20
Sandimen	SSD	Taiwan region	22.7460N	120.6320E	148	
San Donato	SDI	Italy	41.7092N	13.8103E	720	From 1984-06-01
Sand Pete Hill	YUK1	Yukon Territory,Canada	62.1533N	140.5287W	1557	From 2010-08-25
Sandpoint	B11A	Idaho,U.S.A.	48.4366N	116.3674W	870	From 2006-10-05 to 2008-06-12
Sand Point	SASA	Alaska,U.S.A.	55.3400N	160.4970W	23	
Sand Point	SDN	Alaska,U.S.A.	55.3413N	160.4970W	23	From 1978-10-12 to 2004-09-10
Sand Point	SDPT	Alaska,U.S.A.	55.3492N	160.4766W	74	
Sand Point BB	SPBA	Alaska,U.S.A.	55.3498N	160.4760W	90	From 1993-07-01
Sandskeio	ISAN	Iceland	64.0560N	21.5700W	208	From 1996-10-14
Sandspit	SSQ	British Columbia,Canada	53.2500N	131.8170W	3	From 1977-07-14 to 1978-03-18
Sandwick	SANU	Shetland Islands,United Kingdom	60.0176N	1.2386W	150	
Sandwick	SAN1	Shetland Islands,United Kingdom	60.0179N	1.2392W	150	From 1985-01-01
Sandy Floe Quarry	P403	Washington,U.S.A.	48.0624N	124.1409W	314	From 2005-06-21
Sandy Hook	SHTN	Tennessee,U.S.A.	35.4597N	87.1297W	323	From 1985-09-27 to 1989-06-30
Sandy Lake, NWT	SNLN	Northwest Territories,Canada	62.8304N	107.6119W	0	From 2008-07-12
San Emigdio	SEGC	Colombia	3.5469N	76.2010W	1384	
San Felipe	SFL	California,U.S.A.	36.9833N	121.4010W	323	From 1971-10-14
San Felipe	SFP	Baja California,Mexico	31.0317N	114.8300W	4	From 1969-04-26
San Felipe	HFEM	California,U.S.A.	36.9833N	121.4010W	323	From 1971-10-14
San Felipe	SFX	Baja California,Mexico	30.8810N	114.7520W	55	
San Felix	SFX2	Panama	8.2935N	81.8688W	0	
San Fernando	SFUC	Spain	36.6370N	6.1750W	88	
San Fernando	SFS	Spain	36.4656N	6.2055W	21	
San Fernando	SFDO	O'Higgins,Chile	34.6143S	71.0138W	690	
San Fidel	W21A	New Mexico,U.S.A.	35.1170N	107.6476W	1966	From 2008-01-12 to 2010-02-07
San Francisco	SFM	California,U.S.A.	37.7644N	122.4370W	103	
San Francisco	SFB	California,U.S.A.	37.7767N	122.4520W	100	From 1931-04-01 to 1964-12-31
San Francisco	SFC	California,U.S.A.	37.7667N	122.4170W		
San Francisco	FRCO	California	37.7520N	122.4767W	115	From 2011-05-18
San Francisco Camp Mather, Mather	S06C	California,U.S.A.	37.8817N	119.8488W	1377	From 2005-10-08 to 2007-10-04
San Francisco--Rincon	SFR	California,U.S.A.	37.7880N	122.3890W	8	
San Fratello	ME02	Italy	38.0332N	14.5901E	677	From 2007-10-19 to 2009-02-03
San Fratello	MSFR	Sicily	38.0330N	14.5910E	708	From 2010-12-22
Sangatta, Kalimantan	SGKI	Kalimantan,Indonesia	0.5300S	117.6040E	178	From 2008-12-01
S. Angelo Dei Lombardi	SNAL	Italy	40.9254N	15.2091E	874	From 2004-08-24
San Gibilmanna	SG6*	Sicily,Italy	37.9869N	14.0261E		From 1966-04-01 to 1966-05-01
Sangihe	SGSI	Mindanao,Philippines	3.6860N	125.5286E	100	From 2005-01-01
Sangi-Kar	SNGI	Tajikistan	39.0300N	70.1300E	1400	
San Giovanni Rotondo	SGRT	Italy	41.7546N	15.7437E	960	From 2006-05-24
Sangju	KSSAJ	South Korea	36.4080N	128.1575E	128	From 2006-12-30
San Gregorio	GIO	Sicily,Italy	37.5667N	15.1083E	330	From 1989-02-01
San Gregorio	SGP	Peru	16.5621S	72.7136W	108	
Sang-Tuda	SAT	Tajikistan	37.9667N	69.0333E		
Sanguang	NSK	Taiwan region	24.6760N	121.3580E	682	
San Ignacio	SIV	Bolivia	15.9913S	61.0722W	520	From 1990-03-01
Sanikiluaq	SNKN	Quebec,Canada	56.5362N	79.2315W	10	From 2009-07-25
Sanikiluaq	SNQN	Quebec,Canada	56.5418N	79.2254W	15	From 2006-09-20
San Jacinto	SJAS	El Salvador	13.6667N	89.1667W	1100	
San Javier	SJC	Linares,Chile	35.6417S	71.7250W	80	
San Jeronimo	SJRM	Guerrero,Mexico	17.1380N	100.4740W	40	
San Joaquin	SJX	Baja California,Mexico	31.7628N	115.9590W		From 1986-01-01
San Joaquin Reservoir	SJQ	California,U.S.A.	33.6200N	117.8450W	165	From 1971-07-07 to 1999-08-25
San Jorge	JORG	Ecuador	0.2172S	78.6457W	2800	
San Jorge 1	JOR1	Ecuador	0.0001S	78.6387W	2690	
San Jose	SJMP	Mindoro,Philippines	12.4610N	121.1190E	27	
San Jose	SJ-TX	Texas,U.S.A.	27.6119N	98.3128W	114	From 1961-11-01 to 1967-09-30
San Jose	SNJE	El Salvador	13.8683N	89.6057W	1694	
San Jose	SJR	Costa Rica	9.9350N	84.0778W	1156	
San Jose de las Matas	DR02	Dominican Republic	19.3542N	70.7718W	490	
San Jose del Guaviare	GUVC	Colombia	2.5448N	72.6273W	217	
San Jose del Monte	SBPH	Luzon,Philippines	14.7950N	121.1160E	240	
San Jose de Maipo	SJCH	Santiago,Chile	33.6407S	70.3538W	997	
San Jose Maipo	SJM	Santiago,Chile	33.6500S	70.3667W	967	
San Jose (USA)	SJ-	Texas,U.S.A.	27.6119N	98.3128W	114	From 1961-11-01 to 1967-09-30
San Juan	SJU	Peru	15.3560S	75.1790W	75	
San Juan	SJA	San Juan,Argentina	31.5261S	68.5581W	660	
San Juan	JUAN	Ecuador	0.2083S	78.5917W	3590	
San Juan	SJG	Puerto Rico	18.1117N	66.1500W	45	From 1964-09-23
San Juan	SJP	Puerto Rico	18.3817N	66.1183W	80	From 1925-12-01 to 1965-12-31
San Juan 2	JUA2	Ecuador	0.2138S	78.6052W	3670	
San Juan Bautista	HBTM	California,U.S.A.	36.8502N	121.5510W	98	From 1975-06-05
San Juan del Sur	SSN	Nicaragua	11.3012N	85.8535W	160	From 1975-01-01
San Juan del Sur	SSNN	Nicaragua	11.2878N	85.8495W	415	
San Juan Grade	AN3*	California,U.S.A.	36.7980N	121.5740W	171	From 1967-06-21

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
San Juan Grade	HJGM	California,U.S.A.	36.7980N	121.5740W	171	From 1967-06-21
San Juan, Peru	SJN	Peru	13.4117S	75.9467W	500	
SanJuan Tecuaco	SJT	Guatemala	14.0813N	90.2688W	460	From 1980-02-01 to 1999-08-25
San Juan (W)	SJGC	Puerto Rico	18.1117N	66.1500W	45	From 1964-09-23
Sankt Quirin	SQTA	Austria	47.2205N	11.2087E	1307	From 1989-05-01
San Lazaro	A490	Costa Rica	10.2723N	85.4582W	0	From 2000-01-01
San Leandro Hills	CSLM	California,U.S.A.	37.7242N	122.1193W	219	
San Lorenzo	LORE	Ecuador	1.2960N	78.8453W	1	From 1992-07-08
San Lorenzo	LORV	Venezuela	9.7821N	71.0631W	0	
San Lorenzo	SLA	Salta,Argentina	24.7211S	65.5045W	1520	From 1977-02-01
San Lorenzo Bellizzi	SALB	Italy	39.8772N	16.3459E	1200	From 2009-09-03
San Luis	SLU	Arizona,U.S.A.	32.5017N	114.7770W	41	From 1973-04-16
San Luis	T24B	Colorado,U.S.A.	37.0624N	105.3817W	2625	From 2009-08-14
San Luis Dam	SLD	California,U.S.A.	37.0747N	121.2210W	443	From 1965-11-01
San Luis Dam	HSLM	California,U.S.A.	37.0802N	121.0940W	122	From 1974-03-02
San Luis R˜o Colorado	SLX	Sonora,Mexico	32.4560N	114.7048W	40	From 2008-10-03
San Marcial	SMNM	New Mexico,U.S.A.	33.7787N	107.0190W	1560	
San Marcos	SMCN	Nicaragua	11.9067N	86.2019W		From 1990-01-01
San Marcos	SMAM	Guerrero,Mexico	16.7855N	99.3982W		
San Martin	MRA	San Luis,Argentina	32.4190S	65.7172W	1095	From 1983-11-01
San Martin Antarctic Base	SMAI	Antarctic Peninsula	68.1302S	67.1059W	8	From 2007-02-02
SAN MARTINO	SMA1	Italy	42.6305N	13.3353E	1150	From 2009-08-13
San Martino d'Ocre	RM03	Italy	42.2743N	13.4717E	1483	From 2009-04-06 to 2009-08-31
San Miguel	SMMM	Mexico D.F.,Mexico	19.7398N	98.7405W		From 1988-01-01
San Miguel	SMX	Baja California,Mexico	31.6880N	115.9040W		
San Miguel	MGUL	Ecuador	0.2587S	78.5843W	3498	
San Miguel	VSM	El Salvador	13.4281N	88.2742W	2129	
San Miguel Island	BSM	California,U.S.A.	34.0375N	120.3500W	172	From 1969-11-01
San Miguel Ranch, Cuba	V22A	New Mexico,U.S.A.	35.9138N	106.9094W	2164	From 2008-05-02
San Nicola dell'Alto	LADO	Italy	39.2840N	16.9795E	488	From 2008-05-10
San Nicolas Island	BSN	California,U.S.A.	33.2450N	119.5070W	259	From 1970-03-01
San Nicolas Island	SNCC	California,U.S.A.	33.2480N	119.5240W	197	From 1994-05-01
San Nicolas Island	SNC	California,U.S.A.	33.2483N	119.5230W	275	From 1957-07-24 to 1968-01-24
Sannotorii	STRE	Nagano,Japan	36.4014N	138.5517E	1825	
San Onofre	SNS	California,U.S.A.	33.4322N	117.5490W	152	From 1975-01-01
San Pablo	EPAB	Spain	39.5449N	4.3499W	946	
San Pablo	PAB	Spain	39.5458N	4.3483W	938	From 1992-10-01
San Pablo Dam	ZSP	California,U.S.A.	37.9450N	122.2570W	119	From 1978-11-03
San Pablo Ridge	CSPM	California,U.S.A.	37.9575N	122.3110W	216	
San Pedro	U73B	Valparaiso,Chile	33.9164S	71.4198W	186	
San Pedro de Atacama	SPCH	Antofagasta,Chile	22.9083S	68.1994W	2455	From 2004-07-30
San Pedro de Concepcion	CCSP	Bio-Bio,Chile	36.8443S	73.1087W	35	From 2009-07-23
San Pedro Hill	SPH	California,U.S.A.	33.7467N	118.3350W	445	From 1971-07-07 to 1974-03-31
San Pedro Martir	SPIG	Sonora,Mexico	31.0458N	115.4658W	2780	
San Pedro Martir	SPX	Baja California,Mexico	31.0451N	115.4636W	2835	From 1981-10-20
San Pedro Poas	SPS	Costa Rica	10.0776N	84.2512W	1120	
San Pedro Sula	SSU	Honduras	15.5000N	88.0500W	200	
San Pelino (Cagnano Amiterno)	T0107	Italy	42.4726N	13.2475E	1145	From 2009-04-09
San Possidonio	CORR	Italy	44.9020N	11.0095E	12	
San Rafael	RFA	Mendoza,Argentina	34.7707S	68.4658W	850	
San Rafael	SRU	Utah,U.S.A.	39.1108N	110.5240W	1804	From 1990-11-10
San Ramon	SRA	Costa Rica	10.0825N	84.4482W	1160	From 1974-01-01
San Ramon	CRAM	California,U.S.A.	37.7672N	121.9380W	171	From 1976-09-02 to 2008-07-16
Sanriku	SNI	Iwate,Japan	39.1067N	141.7580E	518	
San Roque	SRQ	Spain	36.2575N	5.3742W	202	
San Salvador	SSS	El Salvador	13.6811N	89.1981W	665	
Sansepolcro	SSP9	Italy	43.5739N	12.1314E	207	From 2010-12-15
San Sevaine	SS2	California,U.S.A.	34.2077N	117.5000W		From 1976-01-01
Sans Toucher	SSG	Guadeloupe	16.0887N	61.6788W	1210	
Santa	SZP	Luzon,Philippines	17.5510N	120.4560E	50	From 1979-04-11
Santa Barbara	ASBA	Azores,Portugal	38.7203N	27.3253W	675	From 1981-04-16
Santa Barbara	ASTB	Jujuy,Argentina	23.9500S	64.4840W	1479	
Santa Barbara	SBC	California,U.S.A.	34.4408N	119.7149W	61	From 1927-05-10
Santa Barbara Island	SBI	California,U.S.A.	33.4807N	119.0290W	6	
Santa Catalina Island West	CIW	California,U.S.A.	33.4653N	118.5520W	50	
Santa Cesarea Terme	SCTE	Italy	40.0724N	18.4675E	150	From 2006-02-02
Santa Chiara	ECHR	Sicily,Italy	37.6863N	14.9129E	1168	From 2009-02-03
Santa Clara	STCC	California,U.S.A.	34.3030N	119.1868W	180	
Santa Clara	PFSC	Portugal	37.4738N	8.4260W	218	From 1996-01-01 to 2009-05-30
Santa Clara	SCL	California,U.S.A.	37.3500N	121.9500W	28	From 1909-01-01 to 1955-12-31
Santa Clara	SCUT	Utah,U.S.A.	37.1282N	113.6447W	837	From 2008-05-01
Santa Clara	EGX	Sonora,Mexico	31.7102N	114.4780W		From 1981-09-22
Santa Clara County Offices	SCCB	California,U.S.A.	37.2874N	121.8642W	98	
Santa Cristina (Gubbio) - PG	AT09	Italy	43.3144N	12.5405E	521	From 2010-03-31
Santa Cruz	SCRN	Nicaragua	12.7317N	86.9383W	500	
Santa Cruz	SCC	California,U.S.A.	37.0067N	121.9970W	128	From 1961-06-11 to 1965-02-28
Santa Cruz	STCR	O'Higgins,Chile	34.6408S	71.3647W	175	
Santa Cruz	SCZ	California,U.S.A.	36.5980N	121.4030W	261	From 1986-11-06
Santa Cruz	SCA	Patagonia,Argentina	49.8333S	72.0500W		
Santa Cruz	SCZP	Luzon,Philippines	15.7760N	119.9110E	21	
Santa Cruz	STGR	Azores,Portugal	39.0802N	28.0031W	124	From 1990-07-19
Santa Cruz Island	BSC	California,U.S.A.	33.9947N	119.6330W	457	From 1969-11-01
Santa Elena	AR5	Costa Rica	10.3414N	84.8247W	1420	
Santaella, Cordoba	E020	Spain	37.5653N	4.8445W	309	From 2007-07-05 to 2009-06-22
Santa Fe	PT09	Peru	11.6670S	76.1930W	5200	From 1983-08-26
Santa Fe	SFJM	Jalisco,Mexico	20.4865N	103.0395W	1500	
Sant Agata di Puglia	SGTA	Italy	41.1350N	15.3650E	890	From 2006-01-18
Santa Helena	HELC	Colombia	6.2341N	75.5477W	2788	From 1994-01-01
Santa Helena	SHP	Peru	16.1972S	72.4739W	471	
Santa Isabel	ISAV	Venezuela	9.5068N	70.8563W		
Santa Julia	SJUZ	El Salvador	13.5200N	88.5335W	1024	
Sant'Alfio	ESAL	Sicily,Italy	37.7545N	15.1345E	720	From 1994-10-01
Santa Lucia	STL	Santiago,Chile	33.4361S	70.6411W	595	
Santa Margarita	PMGM	California,U.S.A.	35.4298N	120.5200W	529	
Santa Maria	PSMA	Azores,Portugal	36.9950N	25.1288W	123	
Santa Maria Island	SAZ	Azores,Portugal	36.9717N	25.1683W		
Santa Marinella - RM	TO05	Italy	42.0615N	11.8646E	88	From 2008-04-28 to 2009-04-02
Santandra', Italy	MSTD	Italy	45.7486N	12.2003E	101	From 2010-06-08
Sant Anna di Valdieri	STV	Italy	44.2455N	7.3260E	930	From 1966-01-01
Sant' Anna di Valdieri 2	STV2	Italy	44.2455N	7.3260E	930	From 1995-01-01 to 2007-12-31
Santa Pau	NE30	Spain	42.1600N	2.6450E	245	
Santaquin	SNQU	Utah,U.S.A.	39.7947N	111.9030W	1853	From 1990-08-30
Santaquin Canyon	SUU	Utah,U.S.A.	39.8887N	111.7920W	1987	From 1974-09-01 to 1990-08-21
Santa Rosa	SRP	Puebla,Mexico	18.8967N	97.7800W		
Santa Rosalia	SRIG	Baja California,Mexico	27.3198N	112.2410W	61	From 2008-02-20
Santa Rosalia	SRV	Venezuela	8.5480N	71.2860W	1300	
Santa Rosalia	SRL	Baja California,Mexico	27.3288N	112.2760W		
Santa Rosa Mine	SME	California,U.S.A.	33.8227N	117.3550W	494	
Santa Rosa Mountain	SMO	California,U.S.A.	33.5358N	116.4617W	0	
Santa Sofia	SFI	Italy	43.9048N	11.8469E	548	From 1987-01-01
Santa Teresa Hills	JSTM	California,U.S.A.	37.2068N	121.7970W	149	From 1975-10-02
Santa Venerina	EVRN	Sicily,Italy	37.6887N	15.1355E	364	From 1989-04-01
Santa Ynez Peak	SYP	California,U.S.A.	34.5267N	119.9780W	1305	From 1967-06-07
Sant'Elia a Pianisi	CIGN	Italy	41.6542N	14.9050E	350	From 2003-03-26
Santiago	PUCM	Dominican Republic	19.4403N	70.6814W	177	From 2007-01-01
Santiago	STS	Spain	42.8860N	8.5509W	265	
Santiago	SAN	Santiago,Chile	33.4531S	70.6617W	533	
Santiago de Compostela	NE26	Spain	42.8860N	8.5520W	245	
Santiago de Maria	SDMZ	El Salvador	13.4738N	88.4847W	900	
Santiago Espada	SESP	Spain	38.1200N	2.5452W	1528	
Santiago Estero	SDE	Santiago del Estero,Argentina	27.8217S	64.2450W	177	
Santiago Island	SACV	Cape Verde Islands	14.9702N	23.6085W	387	
Santiago Maria	SDM	El Salvador	13.4861N	88.4706W	905	
Santiaguito	SOG	Guatemala	14.7763N	91.5877W	2950	From 1984-02-01
Santiaguito 2	SOG2	Guatemala	14.7172N	91.5703W	1560	From 1987-01-01
Santiao Chiao	TWB1	Taiwan region	25.0083N	121.9883E	20	From 1984-04-06
Santo Amaro	PAMA	Azores,Portugal	38.6797N	28.1798W	388	From 2005-08-01
Santo Antonio	PSAN	Azores,Portugal	37.8512N	25.7259W	395	From 2004-07-01
Santo Domingo	SDD	Dominican Republic	18.4579N	69.9134W	10	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Santo Domingo	STDO	Dominican Republic	18.4506N	69.9264W	12	
Santo Domingo	SDV	Venezuela	8.8861N	70.6333W	1580	From 1975-06-01
Santorini	SANT	Greece	36.3710N	25.4590E	540	
Santorini-Monolithos	THR8	Greece	36.4070N	25.4788E	30	From 2011-05-27
San Vicente	SNVI	El Salvador	13.6125N	88.8388W	1312	
San Vito de Coto Brus	SVTC	Costa Rica	8.7853N	82.9587W	1227	From 2005-03-15
San Vittorino	T0102	Italy	42.3967N	13.3139E	707	From 2009-04-06 to 2009-09-01
Sanyi	NSY	Taiwan region	24.4160N	120.7610E	311	
San Ysidro	SYS	California,U.S.A.	32.5797N	116.9115W	277	
San Zeno di Montagna	ZEN8	Italy	45.6378N	10.7319E	596	From 2006-06-30
Sao Bartolomeu	PFSB	Portugal	37.2492N	8.3262W	171	From 1996-01-01 to 2009-05-30
Sao Brissos	EVOP	Portugal	38.5280N	8.1236W	93	From 1997-06-01
Sao Joao De Manteninha	SJMB	Minas Gerais	18.7032S	41.1848W	234	
Sao Joao Dos Patos	BESB	Maranhao,Brazil	6.6569S	43.5586W	245	From 2009-07-01
Sao Paulo	SPB	Brazil	23.5920S	47.4320W	85	
Saorge	SAOF	Provence-Cote d'Azur,France	43.9863N	7.5553E	600	
Sao Teotonio	PTEO	Portugal	37.5456N	8.7242W	119	From 1993-08-03
Sa-pa	SPV	Vietnam	22.3383N	103.8352E	1150	From 1961-01-01
Sapanca-Adapazari	SPNC	Turkey	40.6860N	30.3083E	190	From 2008-06-27
Sapporo	SAP	Ishikari,Japan	43.0583N	141.3320E	17	
Sarab	ISRB	Iran	37.8250N	47.6667E	1950	From 1995-08-01
Sarajevo	SAR	Bosnia and Herzegovina	43.8733N	18.4283E	725	
Sarakhs	SRMB	Iran	36.5200N	61.1500E	0	
Saramarca	PP04	Peru	14.4855S	75.0915W	750	
Sarande	SRN	Albania	39.8800N	20.0005E	60	
Sarat Abidah	SRAT	Saudi Arabia	18.0390N	43.1620E	2300	From 1990-06-13
Saratoga Golf Course	SGC	California,U.S.A.	37.2827N	122.0500W	198	
Saratov	SARR	Saratovskaya Oblast',Russia	51.3885N	45.2865E	161	From 2005-11-15
Sarbogard	PKS8	Hungary	46.8787N	18.6765E	135	
Sarcpa Lake, Nunavut	SRLN	Northwest Territories,Canada	68.5513N	83.3238W	261	From 2005-08-21
SarD1z-Kayseri	SARI	Turkey	38.4072N	36.4182E	1673	From 2007-08-03
Sargodha	SARP	Pakistan	31.9215N	72.6718E	183	
Sarigan	SARN	Mariana Islands	16.7002N	145.7795E	451	
Sarkisla-SIVAS	CUSAR	Turkey	39.4185N	36.2444E	1458	From 2010-07-07
Sarkoy-Tekirdag	RKY	Turkey	40.6875N	27.1777E	687	From 2005-05-24
Sarmi	SMPI	Irian Jaya,Indonesia	1.9900S	138.7100E	0	From 2007-12-01
Sarria	EXSA	Spain	42.7760N	7.4190W	504	
Sarsar	RSA	Morocco	34.8770N	5.8280W	609	
Sart'ichala	SRCG	Georgia	41.7000N	45.1600E	700	
Sart Tilman	BSTI	Belgium	50.5835N	5.5667E	226	From 1985-10-04
Sarutani	SRT	Nara,Japan	34.1761N	135.7450E	440	From 1960-05-01
Sarvestan	ISRV	Iran	29.3817N	53.1133E	2688	From 2002-10-01
Sasagawa	JNS	Niigata,Japan	37.8183N	139.3172E	145	
Saskatoon	SAS	Saskatchewan,Canada	52.1333N	106.6330W	515	From 1915-01-01 to 1960-04-01
Sassa´´´´´´	SASS	Italy	43.2580N	10.6898E	438	From 2010-05-17
Sasso d'Italia	SSO	Italy	43.2930N	13.4200E	302	From 1987-05-01
Sassorosso	SARO	Italy	44.1848N	10.4015E	1030	From 1992-05-01 to 2009-09-30
Satara	STA	Maharashtra,India	17.6950N	74.0000E	665	
Satriano di Lucania, Italy	STN3	Italy	40.5300N	15.6515E	832	From 2006-02-24
Saturna Island	SNB	British Columbia,Canada	48.7750N	123.1710W	405	From 1981-01-28
Sault Sainte Marie	SL-ON	Ontario,Canada	46.6372N	84.3506W	335	
Sault Ste Marie	SL-	Ontario,Canada	46.6372N	84.3506W	335	
Saumlaki	SAUI	Moluccas,Indonesia	7.9826S	131.2998E	110	From 2007-08-24
Saumlaki	SLKI	Moluccas,Indonesia	7.9817S	131.2980E		
Saurbar	ISAU	Iceland	63.9900N	20.4150W	74	From 1989-12-12
Sauteurs	GRHS	Grenada	12.2239N	61.6413W	66	
Savage	C24A	Montana,U.S.A.	47.5302N	104.4252W	713	From 2008-09-18 to 2011-01-13
Savage River	SVR	Tasmania,Australia	41.4667S	145.2170E		
Savane Anatole	SVN	Martinique	14.8417N	61.1678W	510	
Savannah	SAV	Tasmania,Australia	41.7208S	147.1890E	180	From 1961-01-01
Savannah River	SRPW	South Carolina,U.S.A.	33.2022N	81.5781W	77	From 1976-08-06
Savannah River	SRPN	South Carolina,U.S.A.	33.3289N	81.5889W	94	
Savannah River	SRPD	South Carolina,U.S.A.	33.1550N	81.7125W	31	
Savo	SVO	Solomon Islands,Papua New Guinea	9.1500S	159.8150E	87	From 1980-06-01 to 1983-01-27
Sawahan	SJI	Jawa,Indonesia	7.7349S	111.7669E	723	
Sawauchi	SAH	Iwate,Japan	39.4033N	140.7720E		
Sawmill	SML	Alaska,U.S.A.	61.8082N	148.3330W	740	
Sawmill	SWM	California,U.S.A.	34.7183N	118.5820W	1220	From 1966-03-07
Sawmill Road	JSMM	California,U.S.A.	37.2123N	122.1680W	262	From 1971-07-14
Sawyerville	MLAL	Alabama,U.S.A.	32.7055N	87.6936W	55	
Sayfiye	SAY	Turkey	40.1167N	29.3345E	850	From 1993-01-01
Sayler Ranch, Douglas	C27A	North Dakota,U.S.A.	47.7139N	101.5029W	602	From 2009-07-22
Say'un	SYON	Yemen	15.9417N	48.7833E	0	
S.Benedetto Po	SBPO	Italy	45.0511N	10.9199E	10	From 2005-06-20
S Black Range	SBR	New South Wales,Australia	35.4250S	149.5330E	1265	From 1976-12-01
Scaffel	CSF	England,United Kingdom	54.4478N	3.2430W	540	
Scarborough	SCB	Ontario,Canada	43.7167N	79.2333W	153	From 1962-05-23 to 1974-12-31
Scarperia	SEI	Italy	44.0544N	11.3564E	610	
Schaffhausen-Ebnat	SCHE	Switzerland	47.7117N	8.6526E	476	From 2001-06-12
Schaffhausen, Spital	SCHS	Switzerland	47.7115N	8.6365E	517	From 2011-05-01
Schaffner Ranch	SNR	California,U.S.A.	32.8618N	115.4370W	-29	From 1973-04-16
Schefferville	SV2QB	Quebec,Canada	54.8150N	66.7586W	594	From 1964-09-20 to 1965-07-23
Schefferville	SV3QB	Quebec,Canada	54.8108N	66.7500W	579	
Schefferville	SCH	Quebec,Canada	54.8167N	66.7833W	540	From 1962-07-11 to 1994-12-12
Schefferville	SCHQ	Quebec,Canada	54.8319N	66.8336W	501	From 1994-12-20
Schefferville	SV2	Quebec,Canada	54.8150N	66.7586W	594	From 1964-09-20 to 1965-07-23
Schefferville	SV3	Quebec,Canada	54.8108N	66.7500W	579	
Scherman	SRMY	New York,U.S.A.	41.2283N	73.0139W	165	
Schinveld	SCHN	Netherlands	50.9842N	6.0195E	57	
S. Chirico Raparo	SCHR	Italy	40.1992N	16.0759E	968	From 2003-12-05
Schitu	SCHRR	Romania	44.1345N	25.8292E	128	From 1997-09-29
Schlegeis	SCE	Austria	47.0386N	11.7103E	1737	
Schleitheim	SLE	Switzerland	47.7645N	8.4924E	648	From 1985-12-04
Schloss Buerresheim	BHE	Rheinland-Pfalz,Germany	50.3529N	7.1796E	290	From 2006-01-01
Schmiedefeld	SCHD	Thuringen,Germany	50.5351N	11.2121E	761	From 2008-05-20
Schoenbrunner Berg-Wunsiedel	MSBB	Bayern,Germany	50.0314N	11.9728E	622	From 2001-04-10
Schoenfels	SCHF	Sachsen,Germany	50.6772N	12.4031E	435	From 2007-06-14
Scholer Farm	SFIN	Indiana,U.S.A.	40.3790N	87.0967W	165	
Schriesheim-Wilhelmstollen	SWS	Baden-Wurttemberg,Germany	49.4843N	8.7008E	223	From 2000-01-01
Schuetzenmatte (BS)	MATTE	Switzerland	47.5514N	7.5694E	-274	From 2006-10-01
Schurz	Q07A	Nevada,U.S.A.	38.9383N	118.8078W	1275	From 2006-02-27 to 2008-03-13
Schuyler	SU-	Virginia,U.S.A.	37.7597N	78.7267W	165	From 1965-06-19 to 1965-07-23
Schuyler	SU-VA	Virginia,U.S.A.	37.7597N	78.7267W	165	From 1965-06-19 to 1965-07-23
Schweizer	SWZ	Transvaal,South Africa	27.1823S	25.3317E	1342	
Scilla	MSCL	Italy	38.2320N	15.7900E	835	From 1993-12-01
Scilla	SCLL	Sicily,Italy	38.2563N	15.7143E	81	
Scobie Ranch	PSRM	California,U.S.A.	35.8578N	120.2800W	552	
Scoppito	RM06	Italy	42.3775N	13.2438E	848	From 2009-04-06 to 2009-09-01
Scorciavacca	ESCV	Sicily,Italy	37.7420N	14.8150E	615	From 1989-04-01
Scoresbysund	SCO	Greenland	70.4833N	21.9500W	69	
Scott Base	SBA	Victoria Land	77.8503S	166.7560E	38	From 1957-03-01
Scott Mountain	VSCM	Oregon,U.S.A.	43.3725N	123.0630W	1295	
Scott Ranch	STTC	California,U.S.A.	34.7885N	118.4620W	829	
Scott's Head	DSHT	Dominica	15.2136N	61.3737W	133	
Scotts Head	DSC	Dominica	15.2084N	61.3652W	50	
Scotts Peak	SPK	Tasmania,Australia	43.0383S	146.2750E	425	From 1972-07-01 to 2009-09-03
Scotty Lake	SCT	Alaska,U.S.A.	62.3192N	150.2970W	140	From 1971-08-01 to 1975-06-30
Scourie	RSC	Scotland,United Kingdom	58.3485N	5.1684W	60	From 1995-09-10
Scoval	KSK	Scotland,United Kingdom	57.4653N	6.7020W	250	From 1989-01-01
Scrawed	SRDI	Jawa,Indonesia	8.4794S	114.1420E	290	From 1991-01-01
S. Croce Del Sannio	SACR	Italy	41.3974N	14.7057E	859	From 2004-06-08
Scrubby Hill	SYZ	South Island,New Zealand	46.5385S	169.1388E	52	From 2006-05-05
Scullys Gap (BLM), Evanston	M17A	Wyoming,U.S.A.	41.4729N	110.6664W	2101	From 2007-10-31
Scuol-Clozza	SCUC	Switzerland	46.7980N	10.3038E	1230	From 1992-08-26
Scurtabo	SC2M	Italy	44.4043N	9.5343E	664	From 2005-01-01
Seabrook	SBK	South Carolina,U.S.A.	32.5655N	80.1802W	-59	
Seaman Range	SRG	Nevada,U.S.A.	37.8822N	115.0680W	1645	
Searcy	SEAR	Arkansas,U.S.A.	35.2547N	91.7147W	0	
Sears Point	SNT	California,U.S.A.	38.1827N	122.4530W	88	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Seaside	F03A	Oregon,U.S.A.	45.9306N	123.5591W	324	From 2005-11-08 to 2008-11-12
Seaside SMO	SEAS	Oregon,U.S.A.	45.9974N	123.9258W	5	From 2004-01-30
Seatoun	STN	North Island,New Zealand	41.3167S	174.8000E	3	
Seattle	STT	Washington,U.S.A.	47.4228N	122.3140W		From 1964-04-01 to 1976-04-30
Seattle	SEA	Washington,U.S.A.	47.6550N	122.3080W	30	From 1906-01-01
Sebes	SBE	Romania	45.5964N	23.6186E	0	
Seborga	NEGI	Italy	43.8477N	7.7038E	640	From 1996-03-01
Sechelt	SHB	British Columbia,Canada	49.5972N	123.8750W	1143	
Second Sedna Site,Hudson Bay	JOSN	Nunavut,Canada	63.1622N	91.5420W	295	From 2006-08-25 to 2010-08-02
Sedan	SDAN	South Australia,Australia	34.5093S	139.3374E	125	
Sedlovina	SDLR	Kamchatskaya Oblast',Russia	53.2781N	158.8840E	1235	
Sedrio (Vezzano sul Crostolo) - RE	RE04	Italy	44.6083N	10.5205E	255	From 2008-12-28 to 2009-02-12
See Canyon	PSEM	California,U.S.A.	35.2452N	120.7650W	201	
Seeley Lake	SLMT	Montana,U.S.A.	47.2418N	113.4935W	1701	
Sefi@18d Ru@18d	SEF	Iran	36.7583N	49.3833E	243	
Sefi@18d Ru@18d	SRI	Iran	36.7583N	49.3833E	243	
Sefidab	ISFB	Iran	34.3518N	52.2406E	948	From 1996-01-01
Segre	SGR	Pays de la Loire,France	47.7094N	0.9230W	90	From 1973-01-01
Sehore	SEH	Madhya Pradesh,India	23.1667N	77.0833E		
Seigler Mountain	GSGM	California,U.S.A.	38.8667N	122.7100W		From 1974-07-02
Sejong Station	SEJ	South Shetland Islands	62.2208S	58.7528W	18	
Sekisonzan	SSZ	Nagano,Japan	36.3867N	138.5208E	1869	
Sela	SELA	Greece	38.2756N	21.8926E	611	From 2006-07-28
Selb-Vielitz	VIEL	Bayern,Germany	50.1856N	12.1028E	670	From 1996-03-19
Selden	P30A	Kansas,U.S.A.	39.5442N	100.2468W	788	From 2009-05-15
Seldovia	SLV	Alaska,U.S.A.	59.4713N	151.5810W	91	
Seldovia	XLV	Alaska,U.S.A.	59.4547N	151.7220W	380	From 1987-01-01
Seligman	W14A	Arizona,U.S.A.	35.2127N	113.0834W	1756	From 2006-03-10 to 2008-10-20
Seligman	SG-AZ	Arizona,U.S.A.	35.6408N	113.2608W	1676	From 1964-04-06 to 1965-10-04
Seligman	SG-	Arizona,U.S.A.	35.6408N	113.2608W	1676	From 1964-04-06 to 1965-10-04
Selova	SELS	Serbia	43.2195N	21.1190E	543	From 2002-05-21
Selva	ESEL	Balearic Islands,Spain	39.7682N	2.8943E	231	From 1988-07-01
Selvarotonda (Cittareale)	RM21	Italy	42.6278N	13.1416E	1454	From 2009-04-09 to 2010-03-03
Semalu	ESM	New Britain,Papua New Guinea	4.2770S	152.6860E	50	
Semarang	SMRI	Jawa,Indonesia	7.0492S	110.4407E	203	From 2006-11-01
Semdilli	SEMD	Turkey	37.3473N	44.5208E	1910	From 2005-09-28
Semeru Mts	SMR	Jawa,Indonesia	8.1000S	112.9000E		
Semigandzh	SGZ	Tajikistan	38.6500N	69.0000E	0	
Semipalatinsk	SEM	Kazakhstan	50.4083N	80.2500E	209	
Semis' Anvil Peak	CEAP	Alaska,U.S.A.	52.0024N	179.5778E	244	
Semis' Cerberus	CERB	Alaska,U.S.A.	51.9314N	179.6297E	305	
Semisopochnoi Island	SSI	Alaska,U.S.A.	51.8924N	179.5880E	178	From 1970-10-17 to 1973-04-30
Semis' Perret Rge	CEPE	Alaska,U.S.A.	51.9658N	179.6492E	335	
Semis' Rag'd Top	CERAA	Alaska,U.S.A.	51.9070N	179.6846E	305	
Semis' Southwest	CESW	Alaska,U.S.A.	51.9010N	179.5633E	238	
Semis' Tuman	CETU	Alaska,U.S.A.	51.9661N	179.4942E	335	
Semkarok	SMKR	Kamchatskaya Oblast',Russia	56.5820N	161.4680E	898	From 2005-09-10
Semlyachik	SEL	Kamchatskaya Oblast',Russia	54.1167N	159.9833E		
Semnan-Aivanekay	SMAV	Iran	35.2873N	52.1541E	1000	From 2004-01-01 to 2004-09-01
Semponon	SEMI	Sumatera,Indonesia	2.4603N	98.3917E	1750	
SEND	SEND	Washington,U.S.A.	46.1935N	122.1854W	2100	
Sendai	SEN	Miyagi,Japan	38.2600N	140.9000E	38	
Seneca	SA-	Oregon,U.S.A.	44.1556N	118.6625W	1524	
Seneca	SA-OR	Oregon,U.S.A.	44.1556N	118.6625W	1524	
Seneffe	SNF	Belgium	50.5086N	4.2833E	108	From 1985-07-01
Senekal	SEK	Orange Free State,South Africa	28.3233S	27.6250E	1486	
Senigallia	SENI	Italy	43.7052N	13.2331E	10	From 2006-07-27
Senkaya-Erzurum	SENK	Turkey	40.5614N	42.3505E	1939	From 2011-05-04
Sentinel	W32A	Oklahoma,U.S.A.	35.1238N	99.2458W	494	From 2009-10-28
Senzan	SNZ	Hyogo,Japan	34.3530N	134.8410E	370	From 1972-01-22
Seogwipo	KSSGP	South Korea	33.2587N	126.4994E	222	From 2001-11-21 to 2003-12-01
SEOHWA	SEHB	South Korea	38.2686N	128.2525E	393	From 2009-01-01
Seongsanpo	KSSSP	South Korea	33.3868N	126.8804E	18	From 2001-11-21
Seosan	KSSES	South Korea	36.7893N	126.4531E	99	From 2000-12-19
Seoul	KSSEO	South Korea	37.4879N	126.9188E	33	From 1998-10-29
Seoul	SEO	South Korea	37.5667N	126.9670E	86	From 1945-01-01
Separation Peak, Rawlins	M21A	Wyoming,U.S.A.	41.6067N	107.3635W	2275	From 2007-11-01 to 2009-10-09
Sept-Chutes	SFA	Quebec,Canada	47.1244N	70.8268W	230	From 1927-01-01
September Lobe	SEPW	Washington,U.S.A.	46.2002N	122.1906W	2116	
Sept Iles	SIC	Quebec,Canada	50.1720N	66.7380W	283	
Sequim	SQM	Washington,U.S.A.	48.0739N	123.0470W		
Serang	SBJI	Jawa,Indonesia	6.1200S	106.1300E	0	
Sereflikochisar	SERE	Turkey	38.9463N	33.5640E	1216	From 2010-06-29
Sergokala	SGKR	Dagestan,Russia	42.4597N	47.6583E	500	
Sergoula	SERG	Greece	38.4133N	22.0566E	477	From 1998-07-01
Serifos	SERI	Greece	37.1609N	24.4853E	460	From 2010-07-28
Sermur	SER	Limousin,France	45.9775N	2.4300E	710	
Serra Branca	SRBC	Azores,Portugal	39.0366N	28.0409W	300	
Serracapriola	FG2	Italy	41.8048N	15.1609E	241	
Serra de Santa Barbara	PSBA	Azores,Portugal	38.7673N	27.3247W	453	
Serra di Burano	ATBU	Italy	43.4757N	12.5483E	1000	From 2009-10-27
Serra do Cume	SCUM	Azores,Portugal	38.6975N	27.1201W	316	From 1983-03-01
Serra do Cume	PSCM	Azores,Portugal	38.7007N	27.1173W	360	
Serra do Socorro	PSSC	Portugal	39.0153N	9.2336W	375	
Serrai	SRS	Greece	41.1172N	23.5922E	400	From 1981-01-01
Serra La Nave	ESLN	Sicily,Italy	37.6934N	14.9744E	1787	From 2005-07-13
Serra Pizzuta	ESPC	Sicily,Italy	37.6917N	15.0273E	1600	From 1985-12-01
Sersale	SERS	Italy	39.0359N	16.6886E	1221	From 2005-10-19
Serui, Papua	SRPI	Papua New Guinea	1.8700S	136.2400E	87	From 2008-12-01
Serv Nac Est Terr	SNET	El Salvador	13.6868N	89.2315W	775	
Sete Cidades	PSET	Azores,Portugal	37.8233N	25.7208W	475	From 2001-06-16
Sete Cidades	SETA	Azores,Portugal	37.8131N	25.7513W	675	From 1990-05-22
Setif	SET	Algeria	36.2000N	5.4000E	1000	From 1958-09-01
Sevastopol'	SEV	Ukraine	44.5450N	33.6680E	42	
Sevenhill	SNL	South Australia,Australia	33.8872S	138.6390E	480	From 1967-01-01 to 1971-12-31
Sevenoaks	TSA1	England,United Kingdom	51.2426N	0.1561E	177	From 1989-01-01
Seven Oaks Dam	SVD	California,U.S.A.	34.1064N	117.0982W	574	
Severo-Kuril'sk	SKR	Sakhalinskaya Oblast',Russia	50.6830N	156.1170E	22	
Severomuysk	SVKR	Buryatiya,Russia	56.1169N	113.5589E	850	
Severo-Muysk	SVK	Buryatiya,Russia	56.1839N	113.5189E	850	
Sevier Lake (BLM), Delta	Q14A	Utah,U.S.A.	38.9882N	113.2769W	1464	From 2007-06-11 to 2008-11-17
Sevinc	SGT	Turkey	36.9438N	31.5008E	205	From 1975-04-01
Sewanee	SWET	Tennessee,U.S.A.	35.2163N	85.9320W	581	
Sewanee	SWTN	Tennessee,U.S.A.	35.3002N	86.0763W	305	
Seward	SEW	Alaska,U.S.A.	60.1037N	149.4490W	55	From 1972-08-22
Seward Park	SPW	Washington,U.S.A.	47.5535N	122.2471W	8	From 1969-09-17 to 2009-04-08
Seward Park 2	SP2	Washington,U.S.A.	47.5563N	122.2492W	30	
Sexfontaines	SFTF	Champagne-Ardenne,France	48.2050N	5.0383E	399	
Seychelles	SEYC	Seychelles	4.0833S	55.0833E		From 1913-01-01 to 1942-12-31
Seydisehir	SYT	Turkey	37.3047N	31.8750E	1530	From 1976-01-01 to 1981-01-31
Seymchan	SEY	Magadanskaya Oblast',Russia	62.9328N	152.3822E	218	
Seymour	SM-TX	Texas,U.S.A.	33.6822N	99.1897W	396	From 1961-12-06 to 1961-12-20
Seymour	SM-	Texas,U.S.A.	33.6822N	99.1897W	396	From 1961-12-06 to 1961-12-20
Sfinta Ana	AAR	Romania	46.1333N	25.8950E	1101	
Sfrayin	ISFR	Iran	37.0538N	58.0000E	2448	From 1997-03-01
Sgolgore (BA)	SG1	Italy	40.8400N	16.6790E	523	From 1988-07-01
Sha@18hru@18d	SHD	Iran	36.4333N	54.9417E	1500	From 1975-03-01
Shaartuz	SHTS	Tajikistan	37.2667N	68.1333E		
Shabestar	ISHB	Iran	38.2833N	45.6170E	2150	From 1995-08-01
Shadegan	SSHG	Iran	30.6575N	48.6411E	5	From 2010-08-11
Shahmirzad	ISHM	Iran	35.8067N	53.2922E	2500	From 1999-05-01
Shahrakht	SHRT	Iran	33.6460N	60.2910E	837	From 2008-09-13
Shahran	ISHR	Iran	35.8061N	51.2889E	1470	From 1996-01-01
Shahrood	SHRO	Iran	35.9900N	56.0100E	1264	From 2009-02-04
Shai Hills	SHGH	Ghana	5.9283N	0.0419W	84	From 1987-01-01
Shakotan	JSK	Shiribeshi,Japan	43.3525N	140.4757E	10	
Shalim	SHAO	Oman	18.0228N	55.6251E	292	From 2004-12-01
Shamokin	SH-	Pennsylvania,U.S.A.	41.0136N	76.9136W	183	From 1962-10-11 to 1962-10-27
Shamokin	SH-PA	Pennsylvania,U.S.A.	41.0136N	76.9136W	183	From 1962-10-11 to 1962-10-27

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Shamrock	SK-TX	Texas,U.S.A.	35.0828N	100.3639W	671	From 1963-08-19 to 1964-03-06
Shamrock	SK-	Texas,U.S.A.	35.0828N	100.3639W	671	From 1963-08-19 to 1964-03-06
Shandon	PSHM	California,U.S.A.	35.5908N	120.4150W	390	
SHANNON INFRASONIC ARRAY REFERENCE POINT	YAU	Western Australia	34.5976S	116.3567E	167	From 2006-02-01
Shannon Station	SNGZ	North Island,New Zealand	38.7815S	177.3399E	545	From 2009-06-14
Sharaf	SHRF	Saudi Arabia	28.9460N	35.1090E	1000	
Sharaf	SRFA	Saudi Arabia	28.9300N	35.1880E	725	From 1986-01-01 to 1995-12-31
Sharm el Sheik	SH2	Egypt	27.8817N	34.0833E	185	From 2010-06-30
Sharon Springs	Q28A	Kansas,U.S.A.	39.0623N	101.8309W	1133	From 2009-05-10
Sharp Cattle Ranch, Aspermont	Z31A	Texas,U.S.A.	33.3183N	100.1435W	547	From 2009-03-17
Sharpitor	SHT	England,United Kingdom	50.5106N	4.0356W	0	
Shasta Dam	SHS	California,U.S.A.	40.6950N	122.3880W	312	From 1942-01-01 to 1964-05-30
Shatzhatmas	SHAR	Stavropol'skiy Kray,Russia	43.7428N	42.6686E	2070	
Shawbak	SHWJ	Jordan	30.3830N	35.5000E	1734	From 1989-11-01
Shawinigan Falls	SHF	Quebec,Canada	46.5517N	72.7633W	60	From 1928-01-01 to 1965-12-08
Shawnee State University	SSUO	Ohio,U.S.A.	38.7290N	82.9890W	162	
Sheep	HSPM	California,U.S.A.	37.1152N	121.5160W	850	
Sheep Canyon	SCU	Utah,U.S.A.	39.4873N	110.2420W		From 1962-01-01 to 1977-03-31
Sheep Creek Facility	SCF	Alaska,U.S.A.	61.9947N	150.0390W	67	From 1971-08-01 to 1975-06-30
Sheep Creek Mountain	SCM	Alaska,U.S.A.	61.8333N	147.3280W	1020	
Sheep Hole Mountains	SHH	California,U.S.A.	34.1877N	115.6540W	1122	
Sheep Mountain BLM, Rosette	M14A	Utah,U.S.A.	41.5030N	113.3471W	1318	From 2007-02-10 to 2008-08-21
Sheeppen Canyon, Tinnie	Z24A	New Mexico,U.S.A.	33.3298N	105.3649W	1863	From 2008-05-15
Sheep Range	SHRG	Nevada,U.S.A.	36.5048N	115.1559W	1641	From 1979-05-22 to 2002-10-10
Sheep Range	SHPR	Nevada,U.S.A.	36.5055N	115.1602W	1590	
Sheffield	SFF	Tasmania,Australia	41.3375S	146.3080E	213	From 1969-08-04 to 2009-09-03
Sheikh Budin	SBDP	Pakistan	32.2997N	70.8072E	1356	
Sheil Bridge	KSB	Scotland,United Kingdom	57.2098N	5.4230W	70	From 1983-01-01
Sheki	SEKA	Azerbaijan	41.2090N	47.1980E	847	From 2003-08-01
Shelby Forest	SFTN	Tennessee,U.S.A.	35.3575N	90.0187W	-23	From 1979-08-02
Shell Creek	SCE1	Oklahoma,U.S.A.	35.4390N	97.8140W	408	
Shemya	SHY	Alaska,U.S.A.	52.7333N	174.1330E		
Shemya	SQ-IS	Alaska,U.S.A.	52.7269N	174.1092E	61	
Shemya	SMY	Alaska,U.S.A.	52.7295N	174.0994E	58	
Shenyang	SNY	Liaoning,China	41.8278N	123.5780E	54	From 1983-08-01
Shenyang	FEN	Liaoning,China	41.7833N	123.4000E	25	
Sherbrooke	SBQ	Quebec,Canada	45.3783N	71.9263W	265	From 1980-08-12
Sheriff Wilson	SWNG	California,U.S.A.	37.6382N	118.8920W	2188	From 1979-11-11
Sherman Crater--Mount Baker	SCW	Washington,U.S.A.	48.7675N	121.8170W	2990	From 1975-03-31 to 1976-10-01
Sherman Glacier	SGAM	Alaska,U.S.A.	60.5012N	145.2070W	424	From 1976-08-16
Sherwood Peak	KSPM	California,U.S.A.	39.5173N	123.5010W	869	
Sheshan	ZSC	Jiangsu,China	31.0956N	121.1870E	10	From 1976-11-15
Sheshan	SSE	Jiangsu,China	31.0956N	121.1867E	15	From 1976-11-15
Sheshan	ZKW	Jiangsu,China	31.1833N	121.4330E	7	
Sheshan	ZSC*	Jiangsu,China	31.0967N	121.1860E	90	
Shezaf	SZAF	Israel	30.9000N	34.5500E	290	
Shibata	SBH	Niigata,Japan	37.9656N	139.4538E	140	
Shiboa	JSB	Tochigi,Japan	36.9683N	139.9200E	460	
Shichikawa	SKW	Wakayama,Japan	33.5880N	135.6900E	120	From 1958-04-01
Shide	SHID	England,United Kingdom	50.6833N	1.2833W		
Shidnytsya	SHIU	Ukraine	49.2234N	23.3621E	580	From 2006-11-14
Shidzhatmaz	SHA1	Stavropol'skiy Kray	43.7380N	42.6571E	2120	From 2009-06-13
Shields Creek	CLAP	British Columbia,Canada	53.3217N	132.4110W	60	
Shikano	SNTD	Tottori,Japan	35.4105N	134.0204E	200	
Shikotan	SHO	Sakhalinskaya Oblast',Russia	43.8700N	146.8300E	55	
Shikotan	SKT*	Sakhalinskaya Oblast',Russia	43.8667N	146.8000E		
Shiliguri	SLGI	India	26.7000N	88.4167E		
Shilin	ESL	Taiwan region	23.8140N	121.4330E	178	
Shillong	SHIO	Meghalaya,India	25.5667N	91.8833E	1600	
Shillong	SHL	Meghalaya,India	25.5667N	91.8833E	1600	From 1953-01-01
Shimam	JSH	Hiyama,Japan	42.6430N	140.0448E	72	
Shimbara	SHV	Nagasaki,Japan	32.7706N	130.3631E	50	
Shimizu	SHM	Kochi,Japan	32.7750N	132.9580E	2	
Shimob	JYN	Yamanashi,Japan	35.4977N	138.5443E	775	
Shimobe	SBJ	Yamanashi,Japan	35.4157N	138.4834E	202	
Shimogamo	SGMN	Shizuoka,Japan	34.6472N	138.8550E	49	
Shimohsa	SMJ	Chiba,Japan	35.7934N	140.0238E	-2277	
Shimokamo	SMK	Shizuoka,Japan	34.6458N	138.8544E	20	
Shimokoshiki	JSJ	Kagoshima,Japan	31.6780N	129.7158E	240	
Shimonomoto	SMJD	Gifu,Japan	36.3941N	137.3864E	960	
Shimonoseki	SHN1	Yamaguchi,Japan	33.9450N	130.9280E	18	From 1984-01-01
Shimonoseki 2	SHNJ	Yamaguchi,Japan	34.1250N	131.1080E	20	
Shimonoseki 3	SHN	Yamaguchi,Japan	33.9533N	130.9400E	46	
Shimotochinai	K03	Iwate,Japan	39.3583N	141.5775E	289	
Shimoyama	SYJ	Aichi,Japan	35.0365N	137.3155E	303	
Shinagawa	SIN	Tokyo,Japan	35.6167N	139.7500E		
Shindian Village	TNSD	Taiwan region	24.5400N	120.9210E	210	From 2001-04-10
Shingle Point	SPY	Yukon Territory,Canada	68.9220N	137.2600W	35	From 1982-10-05
Shinhua	CHN3	Taiwan region	23.0760N	120.3650E	50	
Shinhuzimiza	SHZE	Nagano,Japan	36.3992N	138.5358E	2256	
Shinkiari	SIP	Pakistan	34.4667N	73.2992E	1448	
Shinpukuji	SPJN	Gifu,Japan	35.4537N	136.7930E	65	
Shinshu-shinm'i	SSJ	Nagano,Japan	36.5715N	138.0400E	580	From 1967-08-01 to 1973-03-31
Shiono misaki	SHJ	Wakayama,Japan	33.4483N	135.7630E	75	
Ship Mountains	SPM	California,U.S.A.	34.4720N	115.4030W	915	
Shira	SHRR	Krasnoyarskiy Kray,Russia	54.4928N	90.1614E	388	From 2000-06-26
Shirahama	SHRD	Kagoshima,Japan	31.6100N	130.6750E	160	
Shirakawa	SHR	Fukushima,Japan	37.1290N	140.2192E	355	
Shirakawa	SRJD	Gifu,Japan	35.5777N	136.4160E	380	
Shirakawa 2	SHRJ	Fukushima,Japan	37.0767N	140.2330E	395	From 1990-04-24
Shiraki	SHK	Hiroshima,Japan	34.5322N	132.6780E	285	From 1965-07-21
Shirataka	JYS	Yamagata,Japan	38.2210N	140.0655E	300	
Shiraz	SHI	Iran	29.6418N	52.5133E	1595	From 1963-05-10
Shiriuchi	JSR	Hiyama,Japan	41.5295N	140.4178E	55	
Shiroyama	SRY	Kanagawa,Japan	35.6083N	139.2740E	254	From 1967-06-01
Shirttail Gulch	SHG	California,U.S.A.	36.4138N	121.2540W	192	From 1969-06-18
Shirttail Gulch	BSGM	California,U.S.A.	36.4138N	121.2540W	192	From 1969-06-18
Shirvan	ISHV	Iran	37.5347N	57.7027E	1925	From 1997-03-01
Shishaldin	SSBA	Alaska,U.S.A.	54.7727N	164.1245W	766	
Shishaldin North	SSLN	Alaska,U.S.A.	54.8118N	163.9959W	637	
Shishaldin South	SSLS	Alaska,U.S.A.	54.7120N	163.9988W	817	
Shishaldin West	SSLW	Alaska,U.S.A.	54.7718N	164.1214W	628	
Shiura	JSI	Aomori,Japan	41.0547N	140.3967E	40	
Shiura 2	JSI2	Aomori,Japan	41.0575N	140.4112E	60	
Shiveluch	SVLR	Kamchatskaya Oblast',Russia	56.5769N	161.2200E	840	
Shivta	SVTA	Israel	30.9300N	34.6200E	370	
Shizugawa	SZG	Kyoto,Japan	34.8882N	135.8319E	70	
Shizuoka	SHZ	Shizuoka,Japan	34.9733N	138.4070E	14	
Shizuoka 2	SHZJ	Shizuoka,Japan	35.0278N	138.4227E	40	From 1989-03-25 to 1993-03-24
Shizuoka 3	SHZ3	Shizuoka,Japan	35.0658N	138.2100E	710	From 1993-03-29
Shkodra	SDA	Albania	42.0519N	19.4986E	10	
Shoal	SZ-	Nevada,U.S.A.	39.2036N	118.3800W	1606	From 1963-01-05 to 1963-02-02
Shoal	SZ-NV	Nevada,U.S.A.	39.2036N	118.3800W	1606	From 1963-01-05 to 1963-02-02
Shoe Peg Valley	SPVI	Idaho,U.S.A.	44.5842N	116.7710W	1100	From 1991-09-01
Shonto	U17A	Arizona,U.S.A.	36.5996N	110.6624W	1976	From 2007-06-08 to 2009-02-09
Shooshtar-Gavsavar	SHGR	Iran	32.1083N	48.8013E	150	From 2002-04-01
Shoreline CC	SCCW	Washington,U.S.A.	47.7496N	122.3611W	0	
Short Canyon	WSCM	California,U.S.A.	35.7043N	117.8860W	881	
Short Mountain	SMTN	Tennessee,U.S.A.	36.3820N	83.1820W	768	
Shosan	JSS	Rumoi,Japan	44.3997N	141.8530E	110	
Shoshone	SHOC	California,U.S.A.	35.9000N	116.2800W	451	From 2004-04-01
Shoshone NF, Cody	H18A	Wyoming,U.S.A.	44.6769N	109.6641W	2221	From 2008-08-15
Shoshone Peak	SSP	Nevada,U.S.A.	36.9253N	116.2194W	2095	From 1973-10-10 to 2002-10-10
Shoshoni	J20A	Wyoming,U.S.A.	43.3531N	108.0842W	1500	From 2008-08-09
Shoshtar	ISHO	Iran	32.2891N	48.0223E	0	From 1998-01-01
Shoufeng Township	ESF	Taiwan region	23.8710N	121.5070E	28	From 1998-08-07
Shoushan	TWM1	Taiwan region	22.8233N	120.4226E	340	From 1977-03-28
Shoushan	TWM	Taiwan region	22.6417N	120.2510E	70	From 1972-09-09
Showa-Shinzan	SHOH	Iburi,Japan	42.5352N	140.8617E	192	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Shurtz Canyon	SZCU	Utah,U.S.A.	37.5954N	113.0875W	2026	From 2009-10-22
Shushi	SUSZ	Armenia	39.7650N	46.7530E	1250	From 1998-01-01
Shushtar	SHGO	Iran	32.1083N	48.8013E	50	From 2004-06-01
Shuyak Island	SYI	Alaska,U.S.A.	58.6100N	152.3910W	149	From 1990-08-27
Shuyak Island	SHU	Alaska,U.S.A.	58.6281N	152.3490W	34	From 1974-01-01
Shwairf	LSHF	Libya	29.9868N	14.2477E	429	
Sibayak Dolok	SIBI	Sumatera,Indonesia	3.2408N	98.5044E	2050	From 1991-10-01
Sibenik	SEB	Croatia	43.7333N	15.9000E		
Sibinal	SBG	Guatemala	15.1320N	92.0535W	2860	From 1986-03-01
Sibiu	SIBR	Romania	45.8099N	24.1758E	463	From 2007-11-07
Sibolga	SBSI	Sumatera,Indonesia	1.5500N	98.8900E	147	From 2005-01-01
Sibu	SBUM	Sarawak,Malaysia	2.4500N	112.2200E	30	From 2003-11-01
Sibulan	SNPH	Mindanao,Philippines	9.3430N	123.2360E	520	
Sicasica	SCS	Bolivia	17.2847S	67.8153W	3900	
Sicignano	SGO	Italy	40.5604N	15.3074E	651	
Sida	SID	Iceland	63.7858N	18.0583W	26	
Sides Ranch, Smithwick	J26A	South Dakota,U.S.A.	43.3126N	103.0752W	993	From 2009-07-31
Sidewinder Mine	SDW	California,U.S.A.	34.6092N	117.0740W	1184	From 1975-02-01
Sidi-Bou-Said	SBS	Tunisia	36.8700N	10.3500E	125	
Sidi Gnaou	SGNT	Tunisia	33.6608N	9.8702E	90	
Sidi Yaiche	SYA	Tunisia	34.7418N	8.8070E	550	
Sidney	PGC	British Columbia,Canada	48.6500N	123.4510W	5	From 1978-03-18
Sidney Island	SILB	British Columbia,Canada	48.6020N	123.2815W	76	
Sidrap Palu	SPSI	Sulawesi,Indonesia	3.9646S	119.7691E	0	From 2007-12-01
Siegrist	RDS	Alaska,U.S.A.	64.8265N	148.1450W	510	From 1977-06-01
Siena	SIE	Italy	43.3200N	11.3122E	349	
Sierra Blanca Array Site 1	SB1	Texas,U.S.A.	31.2100N	105.4378W	1570	
Sierra Blanca Array Site 2	SB2	Texas,U.S.A.	31.2117N	105.2900W	1379	
Sierra Blanca Array Site 3	SB3	Texas,U.S.A.	31.0983N	105.2983W	1384	
Sierra Cabrera	ASCB	Spain	37.0393N	2.0057W	0	
Sierra de Lcar, Granada	E026	Spain	37.4952N	2.5945W	1086	From 2007-09-11 to 2009-06-25
Sierra de Lijar	ELIJ	Spain	36.9178N	5.3808W	870	
Sierra del Retn, Cadiz	E001	Spain	36.1742N	5.8392W	346	From 2007-06-28 to 2009-05-01
Sierra Elvira	SELV	Spain	37.2383N	3.7277W	650	
Sierra Elvira	ELVI	Spain	37.2505N	3.7023W	860	
Sierra Gorda, Loja, Granada	EGOR	Spain	37.1101N	4.1096W	1378	From 2011-02-01
Sierra La Laguna	SLBS	Baja California,Mexico	23.6858N	109.9443W	825	
Sierra Loja	ELOJ	Spain	37.1477N	4.1526W	998	From 1993-11-29
Sierra Morrones	ASMO	Spain	37.3580N	3.7430W	1170	
Sierra Prieta	DR14	Dominican Republic	18.6447N	70.0078W	0	
Sierra Ventana	VBA	Buenos Aires,Argentina	38.0539S	61.9756W	495	
Sierre	SIERE	Switzerland	46.3853N	7.4734E	2910	From 1974-09-10 to 2002-02-15
Siete Picos	DR15	Dominican Republic	18.7503N	70.1773W	800	
Sigillo	A004	Italy	43.3304N	12.7364E	472	From 2011-02-08
Siglufjorour	ISIG	Iceland	66.1320N	18.9150W	10	From 1993-10-26
Sigmaringen-Wittberg	SGW	Baden-Wurttemberg,Germany	48.1068N	9.2150E	700	From 1994-01-01
Signal de Mont	SMF	Bourgogne,France	46.6453N	3.8411E	459	From 1976-05-01
Signal Hill	SIH	Trinidad and Tobago	11.1722N	60.7708W	80	
Signy Island	SGY	South Orkney Islands	60.7101S	45.5976W	30	From 1974-02-01
SIGRI	SIGR	Greece	39.2114N	25.8553E	83	From 2007-12-19
Sigues	YSIG	Spain	42.6396N	0.9946W	776	From 2010-07-19
Sikka	SKK	Sakhalinskaya Oblast',Russia	49.2333N	143.1170E	2	
SILCHAR	SILR	Assam	24.7813N	92.8028E	18	From 2011-05-01
Sile	SILT	Turkey	41.1530N	29.6430E	100	From 2002-01-01
Silifke	SLF	Turkey	36.2386N	33.6852E	120	From 1995-04-06
Silivri	SLVT	Turkey	41.2300N	28.2100E	180	From 2002-01-01
Silvan-Diyarbakir	SVAN	Turkey	38.1511N	41.1984E	655	From 2009-12-12
Silva Ranch	BSLM	California,U.S.A.	36.7755N	121.3490W	155	From 1975-07-16
Silver Beach Elementary School	SBES	Washington,U.S.A.	48.7683N	122.4150W		
Silver City	SIY	Yukon Territory,Canada	61.0317N	138.4070W	785	From 1979-12-05 to 1980-03-27
Silver City	SVM	New Mexico,U.S.A.	32.7787N	108.2967W	1932	From 1977-12-01 to 1999-08-25
Silver Creek	SVC	California,U.S.A.	37.2852N	121.7725W	128	From 1967-06-10
Silver Creek	CSCM	California,U.S.A.	37.2852N	121.7720W	128	From 1967-06-10
Silver Gate	SGM	Montana,U.S.A.	45.0075N	109.9890W	2285	From 1973-01-01 to 2004-03-05
Silver Peak	SIL	California,U.S.A.	34.3478N	116.8270W	1730	
Silver Peak Range	SVP	Nevada,U.S.A.	37.7148N	117.8013W	2621	
Silverton	SLR	Transvaal,South Africa	25.7350S	28.2817E	1348	From 1981-07-20
Silvia	SILC	Colombia	2.6880N	76.3397W	3150	From 1990-01-01
Simarbalatuk	SIMI	Sumatera,Indonesia	2.6889N	98.9469E	1681	
Simav-Kutahya	SIMA	Turkey	39.0833N	28.9825E	984	From 2011-07-26
Simferopol'	SIM	Ukraine	44.9490N	34.1160E	275	
Simia	SMIA	Greece	38.8791N	23.2090E	448	From 2008-10-16
Simia	VSI	Greece	38.8793N	23.2090E	448	From 1982-11-01
Simiane la Rotonde	SMRF	Provence-Cote d'Azur,France	43.9760N	5.5750E	654	
Simi Peak	SI2	California,U.S.A.	34.2039N	118.7990W	700	From 1973-06-01
Simla	SMLA	Himachal Pradesh,India	31.1283N	77.1667E		
Simla	SMI	Himachal Pradesh,India	31.1000N	77.1833E		
Simmler	SMMC	California,U.S.A.	35.3100N	120.0000W	599	From 2004-04-01
Simojovel	SMJM	Chiapas,Mexico	17.1340N	92.7150W		
Simon	SIMR	Nevada,U.S.A.	38.4750N	117.7675W	1899	
Simplonpass	SIMPL	Switzerland	46.2396N	8.0196E	1930	From 2009-10-28
Simpson Lake	SMPN	Northwest Territories,Canada	68.2107N	126.6540W	226	From 2010-07-17
Simpson Lake, Nunavut	SMLN	Nunavut,Canada	68.5936N	91.9364W	237	From 2010-07-30
Simushir	SIU	Sakhalinskaya Oblast',Russia	46.8500N	151.7800E	15	
Sinabang, Aceh	SNSI	Sumatera,Indonesia	2.4089N	96.3267E	14	From 2008-12-01
Sinaia	SNX	Romania	45.3553N	25.5155E	1470	From 1989-07-01
Sindeldorf	SIND	Baden-Wurttemberg,Germany	49.3488N	9.6057E	330	From 1998-01-01
Sindorf	BA05	Nordrhein-Westfalen,Germany	50.9175N	6.6637E	72	From 2006-10-01
Sinegor'e	SNGR	Magadanskaya Oblast',Russia	62.0640N	150.4000E	300	From 2003-04-26
Sing	SINGT	Tanzania	4.4850S	34.4428E	1506	
Singah	SINI	Jawa,Indonesia	7.0144S	107.5000E	1000	
Singapore	SING	Singapore	1.3050N	103.8500E		
Singaraja	SRBI	Bali,Indonesia	8.0848S	115.2127E	0	From 2007-12-01
Singen-Schiener Berg	SISB	Baden-Wurttemberg,Germany	47.6864N	8.9643E	490	From 2003-01-01
Sinj	SNJ	Croatia	43.7333N	16.6500E		
Sinn el Kaddab	ASKD	Egypt	23.6597N	32.3847E		
Sinonel	SLG	Guatemala	14.7078N	91.6355W	1220	From 1979-11-01 to 1987-12-31
Sinop	SNOP	Turkey	42.0195N	35.2068E	180	From 2010-08-16
Sintang	STKI	Kalimantan,Indonesia	0.0656N	111.4772E	88	From 2005-01-01
Sint Eustatius	STAT	Netherlands Antilles	17.4950N	62.9787W	50	
Sint Maarten	MRN	Netherlands Antilles	18.0120N	63.0600W	20	From 1976-10-01 to 1999-08-25
Sinyu	KV12	Kagoshima,Japan	31.8886N	130.8714E	890	
Sion	SIS	Switzerland	46.2667N	7.3667E	500	From 1932-01-01 to 1941-12-31
Sion-Ophtalmol	SIOO	Switzerland	46.2328N	7.3832E	495	From 1997-05-14
Sion-Valere	SIOV	Switzerland	46.2351N	7.3642E	560	From 2006-08-29
Sioux Lookout	SOO	Ontario,Canada	50.0762N	91.8880W	358	From 1987-06-07
Sioux Lookout	SOLO	Ontario,Canada	50.0213N	92.0812W	373	From 1988-10-24
Sioux Lookout	SXO	Ontario,Canada	50.0917N	91.9983W	420	From 1982-09-27 to 1986-09-24
Siparia	SIPA	Trinidad and Tobago	10.1429N	61.5060W	60	
Sipayare	SIPV	Venezuela	10.1827N	70.9322W	154	
Siquisique	SIQV	Venezuela	10.6490N	69.8080W	440	From 2002-05-30
Siracusa	HSRS	Sicily,Italy	37.0930N	15.2220E	100	From 1994-05-01
Siria	SIR	Venezuela	10.5092N	66.5092W	1050	From 1974-01-01
Siria	SIRR	Romania	46.2675N	21.6597E	480	
Sirnak	SIRT	Turkey	37.5011N	42.4392E	1038	From 2005-06-22
S¯–rnak	SIRN	Turkey	37.4962N	42.4130E	968	From 2008-11-03
Sirt	LSRT	Libya	31.0812N	16.6582E	95	
Sisak	SISC	Croatia	45.4710N	16.3720E	100	
Sisters	GRSS	Grenada	12.2985N	61.6123W	20	
Site Antares, Toulon	ASEAF	Provence-Cote d'Azur	42.7945N	6.1635E	-2470	From 2010-11-01
Sitia Lasithi	STIA	Crete,Greece	35.2020N	26.0909E	89	From 2006-12-01
Sitka	SIT	Alaska,U.S.A.	57.0567N	135.3262W	25	From 1940-01-01
Sitkalidak Island	SKD	Alaska,U.S.A.	57.1642N	153.0800W	135	From 1977-08-11
Sitkinak Island	SII	Alaska,U.S.A.	56.5600N	154.1820W	500	From 1975-10-01
Siu Lam	HKSL	Hong Kong,China	22.3647N	114.0145E	100	From 1997-04-23
Sivas	SIVA	Crete,Greece	35.0175N	24.8100E	95	
Sivas	SVST	Turkey	36.9361N	36.9528E	1640	From 1992-01-01
Sivrice-ELAZID	SVRC	Turkey	38.3784N	39.3063E	1680	From 2007-04-27
Sivrigoynuk	SGKT	Turkey	40.5733N	32.0561E	1890	From 1992-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
SIVRIHISAR	AUSIV	Turkey	39.4396N	31.5397E	1111	From 2010-02-09
Sivrihisar-ESKISEHIR	SVRH	Turkey	39.4469N	31.5230E	1000	From 2007-12-27
Six Diamond Ranch, Ranyesford	D17A	Montana,U.S.A.	47.1523N	110.6873W	1535	From 2007-10-13 to 2009-09-11
Sixes	K01A	Oregon,U.S.A.	42.8088N	124.4692W	175	From 2005-12-20 to 2007-11-30
Sixmile	SXM	Montana,U.S.A.	46.1492N	111.2080W	1993	
Sixmile Butte	SMBI	Idaho,U.S.A.	43.5022N	113.2680W	1736	From 1992-01-01
Six Mile Mountain	SMMS	South Carolina,U.S.A.	34.8325N	82.8042W	468	
Sixt	OGSI	Rhone-Alpes,France	46.0665N	6.7540E	750	
Sixty Eight Flow	SELF	Costa Rica	10.4712N	84.7322W	500	
Siya@14za@14n	SIZA	Azerbaijan	41.0760N	48.8990E	984	From 2003-08-01
Sjenica	SJES	Serbia	43.2613N	19.9734E	1181	From 2004-03-26
Sjulsmark	SJUU	Sweden	65.5080N	21.6055E	100	From 2000-08-30
Skadanscina	SKDS	Slovenia	45.5464N	14.0143E	552	From 2006-04-12
Skaggs Springs	SKG	California,U.S.A.	38.7020N	123.0130W	282	From 1975-01-22
Skaggs Springs	GSSM	California,U.S.A.	38.7020N	123.0130W	282	From 1975-01-22
Skagit Valley Community College ANSS SMO	SVOH	Washington,U.S.A.	48.2892N	122.6332W	22	From 2001-09-14
Skagway	SKAG	Alaska,U.S.A.	59.4601N	135.3290W	174	
Skagway School	SKGA	Alaska,U.S.A.	59.4650N	135.3098W	0	
Skalna	SKC	Czech Republic	50.1698N	12.3611E	455	From 1994-04-19
Skalnate-Pleso	SPC	Slovakia	49.1889N	20.2450E	1772	
Skalstugan	SKA	Sweden	63.5800N	12.2800E	580	
Skaneateles	SKN	New York,U.S.A.	42.9915N	76.4672W	226	From 1974-11-01 to 1975-12-31
Skazka	SKZ	Khanty-Mansi Autonomous Okrug,Russia	61.4833N	72.5500E	91	
Skiathos	SKIA	Greece	39.1665N	23.4661E	325	From 2008-06-25
Skidegate	SKB	British Columbia,Canada	53.2478N	131.9960W	10	From 1982-08-23
Ski Hill Lift	SKLY	New York,U.S.A.	43.9603N	74.1753W		From 1983-10-01 to 1986-10-31
Skikda	SKDA	Algeria	36.7850N	6.8539E	0	
Skilak	SKL	Alaska,U.S.A.	60.5143N	150.2150W	660	From 1971-09-09 to 1984-12-31
Skilak Lake	SLKM	Alaska,U.S.A.	60.5078N	150.2210W	655	From 1984-08-11
Skildingahˆ‡lshraun	ISKI	Iceland	65.8698N	17.0270W	316	From 2008-11-20
Skiros Island	SKY	Greece	38.8778N	24.5500E	260	From 1997-01-01
Skopelos	VSK	Greece	39.1106N	23.6934E	374	From 1982-10-01
Skopje	SKO	Former Yugoslav Rep. of Macedonia	41.9721N	21.4396E	346	From 1957-01-01
Skordalos	SKOR	Crete,Greece	35.4120N	23.9280E	306	
Skrokkalda	ISKR	Iceland	64.5600N	18.3860W	858	From 1996-10-02
Skvira	NE55	Ukraine	49.7160N	29.6560E	235	
Skwentna	SKT	Alaska,U.S.A.	61.9803N	151.5300W	564	
Slack Wire Ranch, Winifred	C19A	Montana,U.S.A.	47.7343N	109.0489W	966	From 2008-08-22 to 2010-06-04
Slait	SLAT	Sudan	15.8520N	32.6840E	414	From 2003-11-01
Slandsville	SVS	South Carolina,U.S.A.	32.9683N	80.2482W	3	From 1976-03-31
Slate Mountain	ASMM	California,U.S.A.	38.8233N	120.6830W	1214	
Slate Mountain	STM	Nevada,U.S.A.	39.1140N	118.2000W	2020	From 1972-01-13 to 1975-07-31
Sleeping Mountain	SMN	Nevada,U.S.A.	37.1433N	116.7670W	1341	From 1971-01-01 to 1973-12-31
Sleepy Eye	SE-MN	Minnesota,U.S.A.	44.4142N	94.6653W	244	From 1962-01-24 to 1963-06-19
Sleepy Eye	SE-	Minnesota,U.S.A.	44.4142N	94.6653W	244	From 1962-01-24 to 1963-06-19
Slenfeh	SLNF	Syria	35.5954N	36.2228E	1520	From 1994-12-01
Slick	SIO	Oklahoma,U.S.A.	35.7463N	96.3071W	323	From 1978-07-12
Slide Mountain	KSMM	California,U.S.A.	40.1858N	124.1750W	991	
Slitere, Latvia	SLIT	Latvia	57.6287N	22.2905E	13	From 2006-10-25
Slough House Road	ASRM	California,U.S.A.	38.4977N	121.2048W	52	
Slysaalda	ISLY	Iceland	63.8240N	19.1173W	633	From 2010-12-17
S.Marcello (AN)	AD05	Italy	43.5457N	13.1822E	216	From 2010-03-30
S.Maria delle Mole (Ciampino, Roma)	SAMA	Italy	41.7805N	12.5923E	119	From 2009-06-09
S. M. di Licodia	ESML	Sicily,Italy	37.6180N	14.8770E	360	From 1989-04-01
Smeltzer Mountain	SMSC	South Carolina,U.S.A.	34.9308N	82.9710W	498	From 1977-04-19
Smimou	SOIM	Morocco	31.1690N	9.6170W	900	
Smir	SMRM	Morocco	35.6850N	5.3870W	50	
Smithers	SI-	British Columbia,Canada	54.7883N	127.0714W	579	From 1965-10-25 to 1966-10-14
Smithers	SI-BC	British Columbia,Canada	54.7883N	127.0714W	579	From 1965-10-25 to 1966-10-14
Smith Mountain	PSMM	California,U.S.A.	36.0697N	120.5950W	988	From 1975-09-24
Smith Ranch, Marlow	X34A	Oklahoma,U.S.A.	34.6010N	97.8326W	364	From 2009-11-05
Smjorgil	ISMJ	Iceland	63.6759N	19.6578W	211	From 2010-12-17
Smolenice	SMOL	Slovakia	48.5139N	17.4287E	400	From 1987-01-01
Smothers Creek Ranch, Hallettsville	636A	Texas,U.S.A.	29.4810N	97.0570W	90	From 2010-01-26
Smrekonice	SMRK	Kosovo	42.8730N	20.9378E	634	From 2008-07-06
Smyrna	SYR	Washington,U.S.A.	46.8630N	119.6180W	268	From 1969-03-01
Snabyli	ISNB	Iceland	63.7360N	18.6310W	245	From 1993-02-10
Snake Ranch	SRF	New Mexico,U.S.A.	34.2033N	107.0900W	1768	From 1969-01-01 to 1969-06-30
Snap Lake	SNPN	Northwest Territories,Canada	63.5178N	110.9077W	458	
Snartemo	SNART	Norway	58.3387N	7.2097E	160	From 2003-09-01
Snively Ranch	SNIWA	Washington,U.S.A.	46.4642N	119.6600W	312	
Snort	SRTC	California,U.S.A.	35.6918N	117.7490W	698	
Snowbank Mountain	SBID	Idaho,U.S.A.	44.4240N	116.3140W	2520	
Snow Cap Mountain	KSCM	Oregon,U.S.A.	42.3440N	124.1650W	1280	
Snow College	SNO	Utah,U.S.A.	39.3143N	111.5380W	2446	
Snowflake	SF-	Arizona,U.S.A.	34.4386N	110.5144W	1981	From 1961-12-03 to 1962-05-03
Snowflake	SF-AZ	Arizona,U.S.A.	34.4386N	110.5144W	1981	From 1961-12-03 to 1962-05-03
Snowflake	X18A	Arizona,U.S.A.	34.5293N	109.9501W	1751	From 2007-04-12
Snow King Mountain	SNOW	Wyoming,U.S.A.	43.4625N	110.7550W	2390	From 1986-01-01
Snowmass	SMCO	Colorado,U.S.A.	39.1776N	106.9739W	3435	
Snow Mountain	GSNM	California,U.S.A.	38.9405N	123.1920W	870	From 1975-06-20
Snyder	130A	Texas,U.S.A.	32.5961N	100.9652W	676	From 2009-03-12
Soap Creek Ranch, Albany	H03A	Oregon,U.S.A.	44.6765N	123.2923W	214	From 2005-11-10 to 2008-01-24
Soboth	SOKA	Austria	46.6780N	15.0327E	1008	From 2007-05-01
Sobradinho	SOB	Bahia,Brazil	9.2888S	41.1694W	416	From 1978-09-27
Sobradinho	SOB1	Bahia,Brazil	9.2089S	40.8947W	424	From 1980-04-01
Sobradinho	SOB3	Bahia,Brazil	9.7708S	41.2639W	434	From 1979-10-01
Sobradinho	SOB4	Bahia,Brazil	9.3425S	41.4842W	440	From 1979-10-01
Sobradinho	SOB2	Bahia,Brazil	9.5684S	40.9611W	490	
Soche	SOCH	Ecuador	0.6490N	77.4923W	2650	From 1994-07-01
Sochi	SOC	Krasnodarskiy Kray,Russia	43.5833N	39.7167E	192	
Socops	SOCV	Venezuela	8.2840N	70.8560W	335	From 2002-08-15
Socorro	SRM	New Mexico,U.S.A.	34.3419N	106.8990W	1522	From 1969-06-25 to 1970-06-30
Socorro	Y22A	New Mexico,U.S.A.	33.9370N	106.9652W	1674	From 2008-04-09
Socorro	SNM	New Mexico,U.S.A.	34.0702N	106.9440W	1511	From 1962-07-01
Socorro	VAO3	Sao Paulo,Brazil	22.5770S	46.4400W	1370	
Socotra	SOCY	Yemen	12.1870N	53.9874E	802	From 2009-01-22
Socrates Mine	GSMM	California,U.S.A.	38.7692N	122.7810W	1017	From 1975-07-18
Soda Butte	YPSB	Wyoming,U.S.A.	44.8840N	110.1510W	2072	
Sodankyla	SDF	Finland	67.4203N	26.3936E	277	From 1984-12-19 to 2000-06-15
Sodankyla@14	SGF	Finland	67.4421N	26.5261E	180	
Sodankyla@14	SOD	Finland	67.3712N	26.6291E	181	From 1987-07-28 to 1992-01-13
Soda Springs	K16A	Idaho,U.S.A.	42.8321N	111.5884W	1885	From 2007-07-22 to 2009-05-12
Soda Springs	SOS	California,U.S.A.	37.1695N	121.9318W	921	
Soda Springs	JSSM	California,U.S.A.	37.1695N	121.9318W	921	
Sodus	SONY	New York,U.S.A.	43.1922N	76.9647W	122	
Soe	SOEI	Timor,Indonesia	9.7553S	124.2672E	1047	From 2006-12-11
Soengei Langka	SLS	Sumatera,Indonesia	5.4000S	105.2170E	240	
Sofiya	SOF	Bulgaria	42.6853N	23.3342E	540	
sogukcermik	SCER	Turkey	39.8613N	37.1286E	1428	From 2008-06-26
Sohna	SONA	Delhi,India	28.2500N	77.0833E		
So. Illinois U.	EDIL	Illinois,U.S.A.	38.7838N	89.9878W	183	
Sokcho	KSSKC	South Korea	38.2899N	128.5219E	56	From 2004-12-24
Sokcho	KSSOC	South Korea	38.2422N	128.5669E	17	From 2000-01-29 to 2004-12-22
Sokhos	SOH	Greece	40.8217N	23.3539E	670	From 1981-01-01
Solana Beach	SLBC	California,U.S.A.	33.0010N	117.2690W	38	From 1981-01-01 to 1985-07-31
Solania	AR4	Costa Rica	10.3583N	84.9928W	600	
Solberg Farm, Malta	B20A	Montana,U.S.A.	48.4389N	108.0209W	827	From 2008-09-12 to 2010-07-18
Soldier Meadows	M07A	Nevada,U.S.A.	41.3884N	119.1711W	1400	From 2006-02-17 to 2008-04-15
Soldier's Delight Natural Environment Area	SDMD	Maryland,U.S.A.	39.4102N	76.8403W	212	
Soledad Mission	BSMM	California,U.S.A.	36.3833N	121.4280W	939	
Solikamsk	SOKR	Permskiy Kray,Russia	59.5692N	56.7919E	-85	
Sollefteaa	SOLU	Sweden	63.2470N	17.2580E	100	From 2000-04-28
Solontsovaya	SOL	Irkutskaya Oblast',Russia	54.1000N	108.3000E		
Solunto	SOLUN	Sicily,Italy	38.0920N	13.5330E	190	From 2004-05-12
Solvholt	ISOL	Iceland	63.9290N	20.9440W	30	From 1990-02-20
Sombrero	SWIP	Anguilla	18.5980N	63.4263W	15	
Sombrero	SOM	Magallanes,Chile	52.7808S	69.2422W	73	From 1964-12-22
Somerset	SMC	Colorado,U.S.A.	38.9333N	107.4580W	1905	From 1969-07-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Somerset East	SOE	Cape Province,South Africa	32.7117S	25.5617E	820	
Somma	SMAR	Kamchatskaya Oblast',Russia	53.2631N	158.8011E	1950	
Somoto	SOMN	Nicaragua	13.4203N	86.6138W	1200	
Somplago	SMP	Italy	46.3400N	13.0583E		
Sondre	SFJ	Greenland	66.9967N	50.6152W	365	
Sonepat	SNP	Uttar Pradesh,India	28.9833N	77.0000E	220	
Songino Array Beam Reference Point	SONM	Mongolia	47.8347N	106.3950E	1415	
Songino Array Site A0	SONA0	Mongolia	47.8347N	106.3950E	1415	
Songino Array Site A1	SONA1	Mongolia	47.8468N	106.4032E	1511	
Songino Array Site A2	SONA2	Mongolia	47.8507N	106.3986E	1508	
Songino Array Site A3	SONA3	Mongolia	47.8484N	106.4098E	1563	
Songino Array Site A4	SONA4	Mongolia	47.8400N	106.4043E	1461	
Songino Array Site B1	SONB1	Mongolia	47.8630N	106.4039E	1603	
Songino Array Site B3	SONB3	Mongolia	47.8341N	106.4147E	1537	
Songino Array Site B4	SONB4	Mongolia	47.8339N	106.3604E	1402	
Songino Array Site B5	SONB5	Mongolia	47.8539N	106.3694E	1417	
Songino Ar. Site	SONB2	Mongolia	47.8487N	106.4231E	1582	
SONGINO INFRASONIC ARRAY REFERENCE POINT	SONM	Mongolia	47.8017N	106.4101E	1245	From 2008-01-14
Songkhla	SKLT	Thailand	7.1700N	100.6200E	14	From 2008-01-01
Songkhla	SNG	Thailand	7.1770N	100.6170E	4	From 1965-10-01
Songo	SONG	Mozambique	15.6033S	32.7783E	900	From 1985-11-01 to 2003-08-15
Songwoldong	KSSOD	South Korea	37.5714N	126.9662E	68	From 2007-12-12
Son La	SLVN	Vietnam	21.3338N	103.9050E	700	
Sonneberg	SON	Thuringen,Germany	50.3782N	11.1925E	634	
Sonora	431A	Texas,U.S.A.	30.6824N	100.6079W	700	From 2009-02-14
Sonora	SOKY	Kentucky,U.S.A.	37.5260N	85.9650W	204	From 1985-01-01
Sonora Basin	SBCZ	South Island,New Zealand	45.0922S	169.3111E	801	From 1986-12-01 to 1996-04-30
Sonoran Desert, Stanfield	115A	Arizona,U.S.A.	32.7006N	112.2279W	606	From 2006-03-21 to 2008-12-04
Sonseca Array BB	ESBB	Spain	39.6755N	3.9617W	724	
Sonseca Array Beam Reference Point	ESDC	Spain	39.6743N	3.9631W	753	
SONSECA Array Site 01	ES01	Spain	39.6703N	3.9475W	743	
SONSECA Array Site 02	ES02	Spain	39.6771N	3.9355W	734	
SONSECA Array Site 03	ES03	Spain	39.6663N	3.9334W	732	
SONSECA Array Site 04	ES04	Spain	39.6557N	3.9423W	740	
SONSECA Array Site 05	ES05	Spain	39.6624N	3.9590W	763	
SONSECA Array Site 06	ES06	Spain	39.6757N	3.9521W	745	
SONSECA Array Site 07	ES07	Spain	39.6873N	3.9519W	734	
SONSECA Array Site 08	ES08	Spain	39.6923N	3.9251W	721	
SONSECA Array Site 09	ES09	Spain	39.6781N	3.8996W	753	
SONSECA Array Site 10	ES10	Spain	39.6580N	3.9026W	758	
SONSECA Array Site 11	ES11	Spain	39.6487N	3.9200W	758	
SONSECA Array Site 12	ES12	Spain	39.6387N	3.9429W	761	
SONSECA Array Site 13	ES13	Spain	39.6501N	3.9660W	762	
SONSECA Array Site 14	ES14	Spain	39.6518N	3.9885W	779	
SONSECA Array Site 15	ES15	Spain	39.6642N	4.0004W	776	
SONSECA Array Site 16	ES16	Spain	39.6868N	3.9943W	775	
SONSECA Array Site 17	ES17	Spain	39.7004N	3.9728W	766	
SONSECA Array Site 18	ES18	Spain	39.7102N	3.9493W	750	
SONSECA Array Site 19	ES19	Spain	39.7006N	3.8991W	720	
Sonseca Array Site A	ESLA	Spain	39.6743N	3.9631W	752	From 1989-07-31
Sonseca Array Site B	ESLB	Spain	39.8415N	4.0172W	612	From 1991-06-01
Sonseca Array Site C	ESLC	Spain	39.7950N	3.8133W	687	
Sonseca Array Site D	ESLD	Spain	39.6099N	3.7843W	807	From 1991-06-01
Sonseca Array Site E	ESLE	Spain	39.5072N	3.9734W	801	From 1991-06-01
Sonseca Array Site F	ESLF	Spain	39.5957N	4.1701W	911	From 1991-06-01
Sonseca Array Site G	ESLG	Spain	39.7446N	4.1950W	830	From 1991-06-01
Sonsonate	SONS	El Salvador	13.7381N	89.7172W	302	
Sooke	SOKB	British Columbia,Canada	48.3947N	123.6731W	45	From 2008-03-17
Sopron	SOP	Hungary	47.6833N	16.5583E	260	
Sorel	SO-	Quebec,Canada	45.7550N	72.2550W	152	From 1962-07-06 to 1962-07-17
Sorel	SO-QB	Quebec,Canada	45.7550N	72.2550W	152	From 1962-07-06 to 1962-07-17
Sornfelli, Faroe Islands	SOFL	Faeroe Islands	62.0689N	6.9658W	721	From 2007-11-01
Soroa	SOR	Cuba	22.7917N	83.0078W	206	
Soroako, Sulawesi	SKSI	Sulawesi,Indonesia	2.5283S	121.3350E	602	From 2008-01-01
Soroca	SORM	Moldova	48.1349N	28.3513E	98	From 2007-09-28
Sorokina	SRKR	Kamchatskaya Oblast',Russia	56.6540N	161.1680E	849	From 2005-09-19
Sorong	SIJI	Irian Jaya,Indonesia	0.9000S	131.3000E		
Sorong	SWI	Irian Jaya,Indonesia	0.8630S	131.2598E	0	
Sorpetalsperre	SORT	Nordrhein-Westfalen,Germany	51.3497N	7.9714E	280	From 1999-01-01
Sort	CSOR	Spain	42.3756N	1.1339E	1227	
Sortino	SSY	Sicily,Italy	37.1539N	15.0719E	540	
Sos del Rey Catolico	YSOS	Spain	42.4554N	1.1470W	881	From 2010-05-01
Sospel	SBF	Provence-Cote d'Azur,France	43.8631N	7.4352E	847	From 1985-06-01
Sotra	SOTS	Norway	60.3500N	5.1100E	30	From 2002-01-01
Souberoche	SOU	Rhone-Alpes,France	44.6614N	5.6903E	960	
Soufriere	PSDMA	Dominica	15.2350N	61.3570W	60	
Soufriere Village	DSVT	Dominica	15.2290N	61.3700W	5	
Soufriere Volcano	SVV	St Vincent,Saint Vincent and the Grenadines	13.3180N	61.2160W	243	From 1978-09-24
Souni-Zanaja	SZAC	Cyprus	34.7560N	32.8830E	512	
Source of Smith Creek	SOSW	Washington,U.S.A.	46.2440N	122.1370W	1270	
Sourdough	SDG	Alaska,U.S.A.	62.5270N	145.5430W	625	From 1986-01-01
Sourhope Farm	XSO	Scotland,United Kingdom	55.4925N	2.2511W	495	From 1983-10-19
South Baldy	SBM	New Mexico,U.S.A.	33.9752N	107.1810W	3230	
South Base Booster	BOOC	California,U.S.A.	34.8680N	117.9103W	704	
South Creake	SCK	England,United Kingdom	52.8797N	0.7506E	61	
South Dakota State University	SUSD	South Dakota,U.S.A.	44.4429N	98.9556W	515	From 2010-07-24
South Dennis	COD	Massachusetts,U.S.A.	41.6858N	70.1350W	-85	
South Entrance	YPSE	Wyoming,U.S.A.	44.1363N	110.6667W	2073	
Southern Antelope Island	AIUT	Utah,U.S.A.	40.8558N	112.1750W	1334	From 1983-04-01 to 1990-05-09
Southern Antelope Island	SAIU	Utah,U.S.A.	40.8548N	112.1810W	1384	From 1990-05-10
Southern Illinois University	SIUC	Illinois,U.S.A.	37.7149N	89.2176W	137	From 1984-01-01
Southern Oregon Univeristy DOGAMI SMO	SOUA	Oregon,U.S.A.	42.1836N	122.6963W	634	From 2005-04-28
South Grapevine Mountains	SGV	California,U.S.A.	36.9806N	117.0327W	1571	From 1978-11-28 to 2002-10-10
South Ingalls	SIG	Colorado,U.S.A.	39.6878N	105.0650W		
South Kanaga	AD6	Alaska,U.S.A.	51.7083N	177.2420W	137	From 1974-01-01 to 1992-02-01
South Karori	SNZO	North Island,New Zealand	41.3103S	174.7050E	-10	From 1975-12-01
South Lassen	LSLM	California,U.S.A.	40.4337N	121.5360W	1060	From 1976-11-12
South Mountain	SMW	Washington,U.S.A.	47.3195N	123.3420W	840	From 1975-03-24
South Mountain	SMNC	North Carolina,U.S.A.	35.5835N	81.6360W	722	
South Point	SPT	Hawaii,U.S.A.	18.9823N	155.6707W	250	From 1971-03-10
South Pole	SPA	Antarctica:Land	89.9954S	115.0000E	2927	From 1957-01-01 to 2005-03-26
South Pole Quiet Zone Earth Science Obs.	QSPA	Antarctica:Land	89.9279S	145.0000E	2657	
South Promontory Point	SPUT	Utah,U.S.A.	41.3086N	112.4492W	1634	
South Ridge	SGE	Fiji	17.5892S	177.9230E	1021	
South Ridge	HSR	Washington,U.S.A.	46.1728N	122.1830W	1774	
South Tanaga	AK2	Alaska,U.S.A.	51.6633N	177.9300W	99	From 1976-10-01 to 1992-02-01
South Tanaga	AT2	Alaska,U.S.A.	51.6633N	177.9300W	99	From 1975-01-01 to 1976-10-31
Southwest Bay	SWB	Vanuatu	16.5087S	167.4200E		
Southwest Flank Mount Saint Helens	SWFL	Washington,U.S.A.	46.1887N	122.2020W	2268	From 2006-10-10
Southwest Rift	SWH	Hawaii,U.S.A.	19.4543N	155.6050W	4048	
South Whidbey SD ANSS-SMO	SWID	Washington,U.S.A.	48.0084N	122.4129W	62	From 2001-07-23
Soyaes	JSE	Soya,Japan	44.9588N	142.5842E	10	
Spaichingen-Kochelsberg	SPAK	Baden-Wurttemberg,Germany	48.1023N	8.7858E	990	From 1997-01-01
Spangler Hills	WSHM	California,U.S.A.	35.5996N	117.4926W	764	
Sparrevohn	SVW2	Alaska,U.S.A.	61.0973N	155.5809W	498	
Sparrevohn	SVW	Alaska,U.S.A.	61.1082N	155.6220W	762	From 1967-08-01 to 2004-10-14
Sparta	SR-OR	Oregon,U.S.A.	44.9403N	117.4278W	1341	From 1963-03-19 to 1963-06-03
Sparta	SR-	Oregon,U.S.A.	44.9403N	117.4278W	1341	From 1963-03-19 to 1963-06-03
Spence Gulch, Sunbeam	N20A	Colorado,U.S.A.	40.8338N	108.2626W	2192	From 2007-11-13
Spence Mountain	VSP	Oregon,U.S.A.	42.3417N	121.9500W	1539	
Spencer City Hall	OK008	Oklahoma,U.S.A.	35.5071N	97.3838W	368	
Spencer Herefords Ranch, Brewster	L30A	Nebraska,U.S.A.	41.9492N	99.7196W	782	From 2009-09-07
Speyside	TOSP	Trinidad and Tobago	11.2984N	60.5353W	10	From 2007-05-09
S.Piero in Campo Elba	CELB	Italy	42.7466N	10.2107E	741	From 2011-06-03
Spijk (Roodeschool)	SPY4	Netherlands	53.4098N	6.7838E	-119	From 2010-07-08
Spijk (Roodeschool)	SPY1	Netherlands	53.4098N	6.7838E	-29	From 2010-07-08
Spijk (Roodeschool)	SPY3	Netherlands	53.4098N	6.7838E	-89	From 2010-07-08
Spijk (Roodeschool)	SPY2	Netherlands	53.4098N	6.7838E	-59	From 2010-07-08
Spilker Farm, Colbert	C10A	Washington,U.S.A.	47.8192N	117.3077W	684	From 2006-09-06 to 2008-06-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Spine 5 MSH Spider	SPN5	Washington,U.S.A.	46.1947N	122.1884W	2263	From 2007-06-18
Spinello di Santa Sofia (FC)	T0501	Italy	43.9472N	12.0102E	667	From 2011-05-25
Spinoso	SPIE	Italy	40.2271N	15.9887E	1200	
Spiridon Lake	SPL	Alaska,U.S.A.	57.7592N	153.7710W	600	From 1975-10-01
Spitak	SPIZ	Armenia	40.8250N	44.2700E	1590	
Spitsbergen Array Beam Reference Point	SPITS	Svalbard,Norway	78.1777N	16.3700E	323	
Spitsbergen Array Site A0	SPA0	Svalbard,Norway	78.1777N	16.3700E	323	From 1992-11-01
Spitsbergen Array Site A1	SPA1	Svalbard,Norway	78.1797N	16.3755E	320	
Spitsbergen Array Site A2	SPA2	Svalbard,Norway	78.1759N	16.3766E	250	
Spitsbergen Array Site A3	SPA3	Svalbard,Norway	78.1773N	16.3588E	339	
Spitsbergen Array Site B1	SPB1	Svalbard,Norway	78.1796N	16.3906E	301	
Spitsbergen Array Site B2	SPB2	Svalbard,Norway	78.1742N	16.3846E	200	From 1992-11-01
Spitsbergen Array Site B3	SPB3	Svalbard,Norway	78.1737N	16.3584E	234	
Spitsbergen Array Site B4	SPB4	Svalbard,Norway	78.1789N	16.3482E	340	
Spitsbergen Array Site B5	SPB5	Svalbard,Norway	78.1823N	16.3683E	295	
Split Crater	SPCI	Idaho,U.S.A.	43.4500N	112.6370W	1520	From 1992-01-01
Split Rock	SPRM	New South Wales,Australia	30.5748S	150.6877E	456	
Spokane	SPO	Washington,U.S.A.	47.7300N	117.3420W	713	From 1909-01-01 to 1969-12-31
Spokane Nat. Inst. Occ. Safety SMO	SNIO	Washington,U.S.A.	47.6794N	117.4050W	584	
Spokane Schools, Ferris High School ANSS-SMO	SFER	Washington,U.S.A.	47.6194N	117.3665W	715	From 2001-08-09
Spokane Temp K2 (Swanson)	SHLY	Washington,U.S.A.	47.7084N	117.4160W	626	From 2001-11-18
Spotted Range	SPRG	Nevada,U.S.A.	36.6938N	115.8093W	1240	From 1979-05-28 to 2002-10-10
Springbok	SBO	Cape Province,South Africa	29.6698S	17.8789E	1055	From 1993-11-01 to 2004-05-01
Spring Butte	VSBM	Oregon,U.S.A.	43.5237N	121.3470W	1664	
Spring Creek Lake, Blk. Kettle Nat Grslnd	V31A	Oklahoma,U.S.A.	35.7739N	99.8425W	687	From 2009-04-08
Springerville	SV-AZ	Arizona,U.S.A.	34.1756N	109.1469W	2134	From 1961-11-25 to 1962-05-03
Springerville	SV-	Arizona,U.S.A.	34.1756N	109.1469W	2134	From 1961-11-25 to 1962-05-03
Springfield	SGN	Nebraska,U.S.A.	41.0658N	96.2188W	347	From 1979-11-06 to 1981-09-01
Springhill	SHIN	Indiana,U.S.A.	39.4278N	87.4083W	168	
Spring Hill	SHA	Alabama,U.S.A.	30.6944N	88.1428W	61	From 1910-12-01
Springville	O16A	Utah,U.S.A.	40.2067N	111.5024W	1789	From 2007-06-27 to 2009-04-09
Spur Ranch, Miami	V30A	Texas,U.S.A.	35.7623N	100.6892W	931	From 2009-04-03
Spurr Blockage Glacier	SPBG	Alaska,U.S.A.	61.2597N	152.3699W	1087	
Spurr Capps Glacier	SPCG	Alaska,U.S.A.	61.2919N	152.0205W	1329	
Spurr Chakachatna River	SPCR	Alaska,U.S.A.	61.2009N	152.2068W	984	
Spurr Northwest	SPNW	Alaska,U.S.A.	61.3471N	152.6039W	1040	
Spurr West	SPWE	Alaska,U.S.A.	61.2740N	152.5568W	1233	
Spur Tree	SPJ	Jamaica	17.9959N	77.5596W	751	
Squaw Harbor	SQF	Alaska,U.S.A.	55.2200N	160.5620W	360	
Squaw Peak	SQU	Utah,U.S.A.	40.2817N	111.6110W	2353	From 1974-09-01 to 1980-07-31
Squaw Tit	TIT	California,U.S.A.	41.0733N	123.9800W	700	
Srakaew	SRAK	Thailand	14.0120N	102.0425E	96	
SRDT	SRDT	Thailand	14.3495N	99.1212E	122	From 2008-10-22
Sredinnyy	SRDR	Kamchatskaya Oblast',Russia	56.3170N	159.7170E	800	
Sredniy Kalar	SRK	Chitinskaya Oblast',Russia	55.8700N	117.3800E	716	
Srikalahasti	SKHT	Andhra Pradesh,India	13.7408N	79.7095E	74	From 2008-12-26
Srinagar	SRNI	Jammu and Kashmir,India	34.1000N	74.8500E		
Sriramsagar	SRSP	Andhra Pradesh	18.9283N	78.3433E	315	From 2008-10-23
Srisailam	SRLM	Andhra Pradesh	16.1000N	78.8917E	480	From 2008-10-16
Srobarova	SRO	Slovakia	47.8133N	18.3133E	150	
SS1	SSX	Nevada,U.S.A.	37.2282N	116.2900W	2248	From 1965-01-01 to 1970-12-31
Stafford Cattle Company, Roaring Springs	Y30A	Texas,U.S.A.	33.8766N	100.8978W	812	From 2009-03-11
STALIGIAL	STAL	Italy	46.2601N	12.7104E	625	From 2010-05-25
Standing Stone	SSPA	Pennsylvania,U.S.A.	40.6358N	77.8880W	158	From 1993-07-05
St-Andre-du-Lac-St-Jean	SANQ	Quebec,Canada	48.3200N	71.9900W	296	From 1984-11-25
Stanford	STAN	California,U.S.A.	37.4039N	122.1751W	125	From 1991-04-15 to 1994-06-30
Stanford	LT4	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford	JSFM	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford Telescope	SFT	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanga	SGAS	Sweden	57.3040N	18.4730E	43	From 1980-01-01 to 1991-12-31
Stanley	STID	Idaho,U.S.A.	44.1148N	114.8660W	1993	From 1992-12-01
Stansbury Island	SBU	Utah,U.S.A.	40.8218N	112.4670W	1317	From 1974-07-01 to 1976-10-31
Stansbury Island BLM, Grantsville	N15A	Utah,U.S.A.	40.8903N	112.5201W	1408	From 2007-02-18 to 2009-04-04
Stansbury North	SNU	Utah,U.S.A.	40.9238N	112.5100W	1378	From 1978-05-01 to 1986-09-30
Stansbury North	SNUT	Utah,U.S.A.	40.8857N	112.5090W	1652	
Star City	STAR	Arkansas,U.S.A.	33.8920N	91.7780W	107	From 1981-02-08
Starunia	STNU	Ukraine	48.7106N	24.5014E	391	From 2007-08-30
Star Valley	STI	Idaho,U.S.A.	42.8022N	111.0508W	2149	From 1976-12-01 to 1979-09-30
State Center	SCIA	Iowa,U.S.A.	41.9069N	93.2153W	311	
State College	SCP	Pennsylvania,U.S.A.	40.7950N	77.8650W	352	From 1966-10-20
State College	SCP1	Pennsylvania,U.S.A.	40.8099N	77.8694W	353	
Statfjord A Platform	STF	Norway	61.2560N	1.8170E	-148	
Station 2	STX	Nevada,U.S.A.	37.1940N	116.1610W	1632	From 1964-01-01 to 1970-12-31
Statte	SAE	Italy	40.5619N	17.2061E		
Stauanlage Cunera	CURA	Switzerland	46.6348N	8.7108E	1960	From 2009-10-28
Staufenbuehl	STAB	Baden-Wurttemberg,Germany	48.2709N	9.0402E	898	From 2000-10-25
Staufen im Breisgau	STAU	Baden-Wurttemberg,Germany	47.8693N	7.7329E	299	From 2001-01-04
St Austell	CSA1	England,United Kingdom	50.3527N	4.8919W	112	From 1981-01-01
Stavanger	STAV	Norway	58.9348N	5.7022E	28	
Stavd-Durt	STDR	Severo-Osetinskaya,Russia	43.3689N	44.0631E	352	From 2009-03-14
Stavros Akrotiri	AKRT	Crete,Greece	35.5896N	24.0840E	10	From 2006-06-01
St. Charles CC	SCMO	Illinois,U.S.A.	38.7618N	90.6413W	152	
St. Cloud Mine, Winston	Z21A	New Mexico,U.S.A.	33.3086N	107.6712W	1964	From 2008-02-22
St. Croix	CDVI	Virgin Islands	17.7518N	64.7661W	3	From 2005-02-01
Stead Airport, Stead	P06A	Nevada,U.S.A.	39.6785N	119.8983W	1368	From 2006-04-28 to 2008-03-04
Steamboat Mountain	STEW	Wyoming,U.S.A.	44.0497N	110.6967W	2316	From 1986-01-01 to 2007-08-07
Steam Cracks	STCH	Hawaii,U.S.A.	19.3883N	155.1280W	765	
Stebnicka Huta	STHS	Slovakia	49.4167N	21.2437E	534	From 2004-12-01
Ste Croix	LASF	Rhone-Alpes,France	44.0761N	3.8570E	520	
Steenkerk	BSKQ	Belgium	50.6487N	4.0796E	63	From 1994-08-01
Stefanesti	STFR	Romania	44.5324N	26.2131E	122	From 2004-05-05
Steigen	STEI	Norway	67.9300N	15.2420E	21	From 2007-06-17
Stein am Rhein	STEIN	Switzerland	47.6697N	8.8690E	540	From 2003-08-29
Steinbach	BA18	Nordrhein-Westfalen,Germany	50.5938N	6.8393E	262	From 2006-10-01
Steinbach	STB	Nordrhein-Westfalen,Germany	50.5940N	6.8400E	270	From 1975-12-01
Ste Jean	SJPF	Aquitaine,France	43.1133N	1.2250W	450	From 1996-04-03
St-Eleuthere	SELQ	Quebec,Canada	47.5000N	69.3600W	459	From 1984-08-28
Stellar Camp, Hudson Bay	STLN	Nunavut,Canada	67.3116N	92.9849W	204	From 2006-08-18
Ste Marie-Mines	SMM	Alsace,France	48.2158N	7.1583E		
Stent	MSTM	California,U.S.A.	37.9045N	120.4050W	366	From 1972-04-19
Stepanavan	STE	Armenia	41.0000N	44.3700E	1390	From 1951-01-01
Stepenevan	STEZ	Armenia	41.0000N	44.3990E	1423	From 1996-10-01
Stephens Creek	STK	New South Wales,Australia	31.8817S	141.5920E	213	From 1974-04-01 to 2006-05-29
Stephens Creek	STKA	New South Wales,Australia	31.8769S	141.5952E	272	From 1991-09-20
Stephens Glacier	SGA	Alaska,U.S.A.	61.4207N	146.3950W	1326	From 1974-07-11 to 1976-01-28
Stepladder Mountains	STP	California,U.S.A.	34.5712N	114.8480W	628	From 1974-04-01 to 1976-10-31
Stepnoy Dvorets	STDB	Buryatiya,Russia	52.1690N	106.3660E	458	From 1999-08-01
Sterling	SGU	Utah,U.S.A.	39.1823N	111.6447W	2357	From 1978-10-01
Sterling City	230A	Texas,U.S.A.	31.8878N	101.1124W	742	From 2009-03-03
Sterling Forest	SFN	New York,U.S.A.	41.1962N	74.2612W	244	
Sterling Forest	SFO	New York,U.S.A.	41.1962N	74.2600W	300	From 1962-01-01 to 1975-08-31
St-Etienne Orgue	STOF	France	43.9980N	5.9090E	650	
St. Eustatius	SEUS	Caribbean Sea,Netherlands Antilles	17.4928N	62.9814W	46	From 2006-10-29
Stevens Creek	SEC	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stevens Creek	JSCM	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stevens Creek	LT1	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stev Forest Ranch, Sanderson	529A	Texas,U.S.A.	30.1246N	102.2204W	764	From 2009-02-12
Stewart Farms, Lamesa	129A	Texas,U.S.A.	32.6309N	101.8662W	876	From 2009-01-31
Stewart Island	SIZ	Stewart Island,New Zealand	46.8750S	168.1330E	60	From 1990-12-12 to 2003-03-15
St. George Fire Station	SGSU	Utah,U.S.A.	37.0474N	113.6064W	755	From 2009-12-10
St-Georges	SGRQ	Quebec,Canada	46.1400N	70.5800W	330	From 1984-08-30
St. Georges / Gimel	GIMEL	Switzerland	46.5347N	6.2658E	1130	From 1999-09-06
Stickney	SY-	South Dakota,U.S.A.	43.6056N	98.4917W	488	From 1962-10-12 to 1962-10-27
Stickney	SY-SD	South Dakota,U.S.A.	43.6056N	98.4917W	488	From 1962-10-12 to 1962-10-27
Stiles	STLY	New York,U.S.A.	41.1886N	74.0036W	125	
Stillwater	ST-NV	Nevada,U.S.A.	39.4381N	118.5800W	1219	From 1963-01-30 to 1963-03-29
Stillwater	ST-	Nevada,U.S.A.	39.4381N	118.5800W	1219	From 1963-01-30 to 1963-03-29
Stillwater	STWA	New York,U.S.A.	42.9620N	73.6773W	103	
Stillwater	SWN	Nevada,U.S.A.	39.8830N	118.0623W	2298	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Stillwater Mine	STMT	Montana,U.S.A.	45.3860N	109.8608W	1756	
Stimpson Lane	OSTM	California,U.S.A.	39.3688N	121.5970W	28	From 1975-08-05
Stinnett	V29A	Texas,U.S.A.	35.8734N	101.5209W	953	From 2009-01-18
Stip	STIP	Former Yugoslav Rep. of Macedonia	41.6943N	22.1862E	300	From 2005-08-01
Stithians	CST1	England,United Kingdom	50.1952N	5.1635W	141	From 1981-01-01
St. Johann (BS)	JOHAN	Switzerland	47.5747N	7.5693E	-56	From 2006-10-01
St. Johns	X19A	Arizona,U.S.A.	34.4275N	109.2901W	1861	From 2007-04-10 to 2009-02-03
St Joseph	LT2	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
St Joseph	JSJM	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
St-Lucie-de-Beauregard	SLBQ	Quebec,Canada	46.7400N	70.0200W	412	From 1984-08-30
St. Maarten	SMRT	Caribbean Sea,Netherlands Antilles	18.0505N	63.0746W	260	From 2006-10-27
St. Maarten, Airport	STMA	Netherlands Antilles	18.0428N	63.1089W	28	From 2004-03-07
St-Marc-des-Carri˜ores	SMCQ	Quebec	46.6709N	72.0551W	47	From 2009-11-04
St.-Nazaire-Desert	OG26	Rhone-Alpes,France	44.5783N	5.3022E	840	
St. Niklaus Bahnhofstrasse	SNIB	Valais,Switzerland	46.1771N	7.8024E	1110	From 2010-12-21
Stockdale Mountain	PSTM	California,U.S.A.	35.9288N	120.5080W	573	
Stockdale Mountain	SMNB	California,U.S.A.	35.9730N	120.5799W	416	
Stockton	P31A	Kansas,U.S.A.	39.5211N	99.3783W	665	From 2009-05-18
Stoke	STNC	England,United Kingdom	53.0913N	2.2062W	234	From 2007-04-24
Stokes Ranch, Hill City	J12A	Idaho,U.S.A.	43.2500N	115.0980W	1587	From 2006-12-08 to 2008-07-25
Stokkvaagen	STOK	Norway	66.3330N	13.0177E	18	From 2003-09-01
Stolberg	BA02	Nordrhein-Westfalen,Germany	50.7722N	6.2157E	230	From 2006-10-01
Stollet	SLL	Sweden	60.4760N	13.3200E	390	
Ston	STON	Croatia	42.8716N	17.6999E	5	From 2003-10-13
Stone Canyon	BSCM	California,U.S.A.	36.6330N	121.2340W	357	From 1976-10-06
Stone Canyon	SCYB	California,U.S.A.	36.0094N	120.5366W	695	
Stone Canyon Observatory	STC	California,U.S.A.	36.6350N	121.2397W	267	From 1967-01-22 to 1976-10-06
Stone Canyon Reservoir	SCY	California,U.S.A.	34.1062N	118.4540W	287	From 1971-09-16
Stoneham	STOQ	Quebec,Canada	47.0188N	71.3795W	201	From 2007-11-02
Stone Ridge	PKNY	New York,U.S.A.	41.8742N	74.1714W	0	
Stone Ridge	SPNY	New York,U.S.A.	41.8756N	74.1492W	0	
Stone Ridge	PONY	New York,U.S.A.	41.8517N	74.1500W	0	
Stone Valley	CSVM	California,U.S.A.	37.8653N	122.0063W	199	
Stoney Creek	RD04	Ontario,Canada	43.1524N	79.6988W	168	
Stoneypath	ESY	Scotland,United Kingdom	55.9178N	2.6144W	328	From 1981-11-27
Stoney Pound	SSP1	Wales,United Kingdom	52.4177N	3.1119W	428	From 1990-01-01
Stony Hill	STH	Jamaica	18.0767N	76.8094W	418	From 1969-08-01
Stonyhurst	STO	England,United Kingdom	53.8500N	2.4667W	116	
Stony Point	SNPY	New York,U.S.A.	41.2663N	74.0040W	122	From 1975-06-17
Stony River	STY	Alaska,U.S.A.	61.1445N	154.2020W	1047	From 1972-07-24 to 1975-01-29
Storozhevoye	VSR	Voronezhskaya Oblast',Russia	51.2162N	39.1664E	186	From 2007-09-03
Storozhevoye	VRSR	Voronezhskaya Oblast',Russia	51.2150N	39.1900E	180	
Stover Farm, Hazelton	K13A	Idaho,U.S.A.	42.6493N	114.0840W	1222	From 2006-12-12 to 2008-08-05
Stowe	DSTT	Dominica	15.2467N	61.3035W	120	
Stow on the Wold	SSW	England,United Kingdom	51.9667N	1.8499W	291	
St-Pascal	STPQ	Quebec,Canada	47.5300N	69.8000W	62	From 1979-09-19
St. Paul	SPMN	Minnesota,U.S.A.	45.2246N	92.8037W	311	From 2008-08-28
St-Paul-en-Foret	SPF	Provence-Cote d'Azur,France	43.5639N	6.6972E	337	
Strandline Lake	STLK	Alaska,U.S.A.	61.4987N	151.8330W	940	
Strasbourg	STR	Alsace,France	48.5845N	7.7658E	135	
Stratford	STZ	North Island,New Zealand	39.3500S	174.2830E	305	From 1934-01-01 to 1939-12-31
Strathalbyn	STR2	South Australia,Australia	35.2871S	138.8479E	155	From 2007-01-08
Strathcona Park Lodge	SPLB	British Columbia,Canada	49.8921N	125.6526W	276	From 2009-07-30
Strathgordon	STG	Tasmania,Australia	42.8483S	146.2070E	350	From 1972-07-01 to 2009-09-03
Strathgordon Vge	STGV	Tasmania,Australia	42.7682S	146.0476E	0	
Strazhica	SZH	Bulgaria	43.2667N	25.9333E	310	From 1988-01-01
Streeter	ST1TX	Texas,U.S.A.	30.7522N	99.3556W	518	
Streeter	ST2	Texas,U.S.A.	30.7922N	99.4478W	579	
Streeter	ST4	Texas,U.S.A.	31.1633N	100.0611W	640	From 1967-04-16 to 1967-05-16
Streeter	ST1	Texas,U.S.A.	30.7522N	99.3556W	518	
Streeter	ST2TX	Texas,U.S.A.	30.7922N	99.4478W	579	
Streeter	ST4TX	Texas,U.S.A.	31.1633N	100.0611W	640	From 1967-04-16 to 1967-05-16
Strehaia	SRE	Romania	44.6622N	23.2052E	335	From 1982-09-01
Stringfield Ranch, Weed	124A	New Mexico,U.S.A.	32.7001N	105.4544W	2078	From 2008-02-27 to 2010-01-18
Striped Hills	SDH	Nevada,U.S.A.	36.6453N	116.3378W	1073	From 1978-07-24 to 2002-12-10
Striped Peak	STW	Washington,U.S.A.	48.1502N	123.6700W	308	From 1973-06-27
Strizhament	STRR	Stavropol'skiy Kray,Russia	44.7747N	42.0153E	820	
Stroemstad	STRU	Sweden	59.0345N	11.1825E	50	From 2006-07-27
Strofades	SFD	Greece	37.2512N	21.0165E	45	From 2009-07-24
STROMBOLI 3	STR3	Sicily,Italy	38.7978N	15.2305E	195	From 2003-05-01
STROMBOLI 4	STR4	Sicily,Italy	38.7739N	15.2115E	86	From 2003-05-01
Stromboli 5	STR5	Sicily,Italy	38.7911N	15.2032E	632	From 2003-05-01
Stromboli F	IST3	Sicily	38.7992N	15.2304E	255	From 2011-06-17
Stromboli-G	GIN	Italy	38.7897N	15.1908E	125	
Stromboli Ginostra	ISTR	Sicily	38.7867N	15.1919E	116	From 2011-06-15
Stromboli Pizzo	ISTP	Sicily	38.7927N	15.2143E	963	From 2011-06-27
Stronsay	OST	Orkney Islands,United Kingdom	59.0860N	2.5516W	15	From 1995-09-21
Stroppo	PZZ	Italy	44.5068N	7.1160E	1430	From 1985-01-01
Stroud	STRD	England,United Kingdom	51.7763N	2.1639W	187	From 2009-07-14
Str Punta Lena IE	ISPL	Sicily,Italy	38.7747N	15.2112E	160	From 1996-01-01
Struganik	STRS	Serbia	44.2036N	20.1115E	0	
Studebaker Ridge	STD	Washington,U.S.A.	46.2378N	122.2230W	1268	
Studenec	STCW	Czech Republic	50.2591N	12.5197E	666	From 1997-01-01
Stuetta	TUE	Italy	46.4722N	9.3472E	1955	
Stulken Farm, Doniphan	N32A	Nebraska,U.S.A.	40.7639N	98.2955W	587	From 2009-09-08
Stuttgart	STU	Baden-Wurttemberg,Germany	48.7719N	9.1950E	360	From 1929-01-01
Stuzhytsa	STZU	Ukraine	49.0163N	22.6229E	385	From 2011-03-15
Stwlan	WST	Wales,United Kingdom	52.9750N	3.9889W	850	From 1986-01-01
Suanglung	SSLB	Taiwan region	23.7875N	120.9540E	450	
Suao	TWC	Taiwan region	24.6092N	121.8490E	20	From 1973-03-16
Suao Port	TWCP	Taiwan region	24.5970N	121.8570E	0	From 2001-04-10
Subarray A0 LASA	-A0MA	Montana,U.S.A.	46.6886N	106.2222W	897	
Subic Bay	SBP	Luzon,Philippines	14.8333N	120.2830E		
Suche	PT08	Peru	11.9600S	76.5490W	2880	From 1983-08-30
Suckling Hill	SUK	Alaska,U.S.A.	60.0737N	143.7770W	454	
Suckling Hills	SUCK	Alaska,U.S.A.	60.0725N	143.7770W	467	
SUCO	SUCO	Cordoba	33.3445S	64.8835W	780	From 2001-07-13
Sucre	SUC	Bolivia	19.0467S	65.2644W	2850	
Sudak	SUDU	Ukraine	44.8900N	35.0000E	108	From 1998-10-01
Sudbury	SWO	Ontario,Canada	46.7328N	80.9994W	372	
Sudbury	SUO	Ontario,Canada	46.4027N	81.0068W	252	
Sudbury	SWXO	Ontario,Canada	46.5971N	81.2778W	337	
Sudbury	SZO	Ontario,Canada	46.4381N	81.4961W	312	From 1987-01-24
Sudbury	SUD	Ontario,Canada	46.4667N	80.9667W	267	From 1967-11-22
Sudbury Onaping	SUNO	Ontario,Canada	46.6438N	81.3442W	369	
Sudden Peak, Lompoc	SDP	California,U.S.A.	34.5700N	120.5000W	631	From 2004-04-01 to 2006-08-15
Sud-Ghoubbet	SGH	Djibouti	11.4370N	42.6307E	700	From 1976-04-01
Sue Hot Springs	SOX	Nevada,U.S.A.	40.1017N	117.7167W	1198	
Suffern	SUFF	New York,U.S.A.	41.1583N	74.1092W	152	
Suffield	SES	Alberta,Canada	50.3958N	111.0420W	770	From 1966-05-11
Sufian	SFNV	Syria	36.4180N	40.1116E	810	From 2002-04-01
Sufi-Kurgan	SFK	Kyrgyzstan	40.0130N	73.5030E	2160	
Sugar Bowl	BOLM	Washington,U.S.A.	46.2154N	122.1747W	1859	From 2004-10-03
Sugar Island	SUG	Michigan,U.S.A.	46.5214N	84.1383W	190	From 1969-09-26 to 1972-08-09
Sugar Loaf	SLFW	Washington,U.S.A.	47.7589N	120.5278W	1750	
Sugarloaf Mountain West	SMWM	California,U.S.A.	36.0193N	117.8458W	1116	
Sugihara	SRJ	Gifu,Japan	36.4141N	137.1917E	440	
Sugihashi	SGJ	Fukui,Japan	35.6111N	136.1456E	210	
Suhut-Afyon	SHUT	Turkey	38.5530N	30.5511E	1215	From 2006-11-02
Sui-hua	SUI	Heilongjiang,China	46.6233N	126.9920E		
Sukabumi	SKJI	Jawa,Indonesia	7.0053S	106.5563E	100	From 2005-01-01
Sukhothai	SUKH	Thailand	17.4821N	99.6310E	58	
Sulaymaniyah	SLY	Iraq	35.6000N	45.5000E	912	
Sulen	SUE	Norway	61.0570N	4.7610E	10	From 1984-11-01
Sullivan	SLTN	Tennessee,U.S.A.	36.4432N	82.1205W	1280	
Sulphur Creek	SUL	New Britain,Papua New Guinea	4.2194S	152.1930E	9	
Sultana	SALT	Saudi Arabia	29.0230N	34.9080E	350	From 1993-07-01
Sultana	SULJ	Jordan	31.0867N	36.0767E	951	
Sultanhani-AKSARAY	SULT	Turkey	38.1988N	33.5156E	982	From 2008-01-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sultanice-Enez-Edirne	ENZZ	Turkey	40.6074N	26.1406E	7	From 2011-03-28
Sultan-Mazar	SMT	Tajikistan	38.4667N	70.0667E		
Sumara - IBB Gov. - Yemen	SMRH	Yemen	14.1840N	44.2570E	2990	From 2005-10-23
Sumiainen	SUF	Finland	62.7192N	26.1506E	185	
Sumiya	SMAJ	Jordan	32.1550N	35.7830E	565	From 1983-09-01 to 1985-12-16
Summer Lake	K05A	Oregon,U.S.A.	42.7258N	120.8934W	1887	From 2006-07-31 to 2009-01-08
Summer Shade	SSKY	Kentucky,U.S.A.	36.7955N	85.7925W	300	From 1983-04-21 to 1987-03-05
Summerton	SMA	South Carolina,U.S.A.	33.6283N	80.3181W	30	From 1974-05-20 to 1975-07-01
Summit	SUMG	Greenland	72.5763N	38.4538W	3275	
Summit Reservoir	SURI	Idaho,U.S.A.	44.3058N	113.4830W	2324	
Summit Valley	SVMT	Montana,U.S.A.	45.8822N	112.5710W	1914	From 1984-01-01 to 1987-10-21
Sumner High School ANSS-SMO	SMNR	Washington,U.S.A.	47.2044N	122.2327W	626	From 2001-07-17
Sumoto	SUM	Hyogo,Japan	34.3350N	134.9080E	110	
Sumqayit	SMGA	Azerbaijan	40.6050N	49.6410E	-21	
Sunasenri	SUNK	Kumamoto,Japan	32.8695N	131.0892E	1240	
SUNCHEON	KSSCH	South Korea	35.0649N	127.2408E	54	From 2006-12-30
Sundarnagar	SDNR	Himachal Pradesh,India	31.5000N	76.9700E	500	
Sundja	SNJR	Severo-Osetinskaya,Russia	43.0685N	44.8117E	671	From 2006-01-10 to 2010-06-20
Sunflower	SN-AZ	Arizona,U.S.A.	33.8636N	111.6928W	884	From 1964-03-29 to 1965-10-04
Sunflower	SN-	Arizona,U.S.A.	33.8636N	111.6928W	884	From 1964-03-29 to 1965-10-04
Sungai Dareh	SDSI	Sumatera,Indonesia	0.9324S	101.4282E	0	From 2007-12-01
Sun Moon Lake	SMLT	Taiwan region	23.8830N	120.8999E	1014	
Sunnyside	SUN	Utah,U.S.A.	39.6167N	110.4000W		
Sunnyside	E07A	Washington,U.S.A.	46.5585N	119.8548W	561	From 2006-08-29 to 2008-12-03
Sunnyside Mine	SMU	Utah,U.S.A.	39.6000N	110.3820W	1981	From 1962-01-01 to 1968-12-31
Sunol Dilatometer	CSU1	California,U.S.A.	37.6430N	121.9402W	499	
Sunset Crater	SCN	Arizona,U.S.A.	35.3689N	111.5430W	2111	From 1970-07-20
Sunset Lake	SSL	Pennsylvania,U.S.A.	41.1612N	74.9160W	259	From 1973-02-13 to 1976-05-31
Sunset Peak	SSK	California,U.S.A.	34.2107N	117.6930W	1683	
Sunshine	SSH	Alaska,U.S.A.	62.1667N	150.0780W	100	From 1971-08-01 to 1972-09-30
Sunshine Point	SNH	Alaska,U.S.A.	60.1800N	142.8380W	732	
Sunshine Ranch, Edgemont	J25A	South Dakota,U.S.A.	43.3901N	103.8026W	1220	From 2009-06-06
Superstition Mountain	SMTC	California,U.S.A.	32.9489N	115.7203W	3	
Superstition Mountain	SUP	California,U.S.A.	32.9552N	115.8240W	220	From 1973-04-16
Suratani	SURT	Thailand	8.9577N	98.7950E	26	
Surathani	SURA	Thailand	9.1663N	99.6295E	-5	
Surbourg	SRBF	Alsace,France	48.9147N	7.8522E	200	
Surbourg	SUBF	Alsace,France	48.9156N	7.8481E	68	From 2009-06-01
Surduc	SDR	Romania	45.4889N	26.3831E	720	
Surhuizum	SUH2	Netherlands	53.2113N	6.2110E	-9	From 2009-08-26
Surhuizum	SUH3	Netherlands	53.2113N	6.2110E	-39	From 2009-08-26
Surhuizum	SUH1	Netherlands	53.2113N	6.2110E	21	From 2009-08-26
Surhuizum	SUH4	Netherlands	53.2113N	6.2110E	-69	From 2009-08-26
Surigao	SCPH	Mindanao,Philippines	9.7820N	125.4890E	49	
Surrey Hills	SHYM	Victoria,Australia	37.8260S	145.1100E	100	
Survey Creek	SURV	British Columbia,Canada	53.4033N	132.1250W	186	
Susaki	SUS	Shizuoka,Japan	34.6667N	138.9830E	3	
Susana Heights	SHMP	Philippines	14.3820N	121.0230E	80	
Susan B. English School	SBEA	Alaska,U.S.A.	59.4423N	151.7123W		
Susara	SSA	Romania	44.8633N	21.7433E	400	
Susara	SSR	Romania	44.8633N	21.7433E	400	
Susehri	SUSE	Turkey	40.2086N	38.2025E	1586	From 2008-06-25
Susitna	SST	Alaska,U.S.A.	61.4347N	150.7800W	780	From 1971-08-24 to 1972-08-15
Susitna One	SUA	Alaska,U.S.A.	61.4638N	150.7430W	1297	From 1972-08-15
Sussex County Emergency Operations Center	SCOM	Delaware,U.S.A.	39.6957N	75.3627W	12	
Susuman	SUUS	Magadanskaya Oblast',Russia	62.7786N	148.1672E	640	
Susurluk	SLK	Turkey	39.8711N	28.1450E	147	From 1979-12-01 to 1999-08-25
Sutcliffe	SC-	Nevada,U.S.A.	39.8739N	119.6408W	1341	
Sutcliffe	SC-NV	Nevada,U.S.A.	39.8739N	119.6408W	1341	
Sutherland	SUR	Cape Province,South Africa	32.3800S	20.8117E	1760	
Sutluce-Isparta	SUTC	Turkey,Turkey	37.4765N	30.9996E	1300	From 2008-04-02
Sutter Butte	SUTB	California,U.S.A.	39.2291N	121.7861W	252	From 2005-05-17 to 2007-09-05
Sutter Buttes	OSUM	California,U.S.A.	39.2712N	121.8520W	67	From 1976-04-01
Sutton Inlier	SILO	Ontario,Canada	54.4792N	84.9126W	195	
Suttsu	SUT	Shiribeshi,Japan	42.7900N	140.2400E	16	
Suttsu	SUT1	Shiribeshi,Japan	42.7933N	140.2283E	33	From 1989-09-22
Sut uroy	FSD	Faeroe Islands	61.5701N	6.7884W		
Suurupi	SRPE	Estonia	59.4633N	24.3800E	42	
Suva	SUV	Fiji	18.1489S	178.4570E	6	From 1913-01-01 to 1971-06-30
Suva	SVA	Fiji	18.1167S	178.4580E	38	From 1976-07-01
Suvo	SYVR	Buryatiya,Russia	53.6581N	109.9989E	490	
Suwalki	SUW	Poland	54.0125N	23.1808E	152	From 1995-11-05
Suwon	KSSWO	South Korea	37.2669N	126.9669E	56	From 2002-11-06
Suzu	JSZ	Ishikawa,Japan	37.4483N	137.3633E	10	
Suzuyama	JSU	Kagoshima,Japan	31.5058N	130.4550E	400	
Svangstu Ranch, Noonan	A25A	North Dakota,U.S.A.	48.9388N	103.1128W	584	From 2009-07-24
Svanoeiden	SVAU	Sweden	64.4940N	19.5750E	100	From 2000-09-08
Svartarkot	ISVA	Iceland	65.3370N	17.2550W	403	From 1998-07-27
Sverdlovsk	SVE	Sverdlovskaya Oblast',Russia	56.8270N	60.6370E	275	
Svilajnac	SVIS	Serbia	44.2655N	21.2152E	117	From 1997-10-14
Svinoy	FSV	Faeroe Islands	62.2598N	6.3550W		
Swabi-Maira	SWR	Pakistan	34.1303N	72.8498E	489	
Swamp Creek	SWP	Montana,U.S.A.	48.6068N	114.9850W	1157	From 1971-02-01 to 1976-10-04
Swan Island	SWA	Swan Islands,Honduras	17.4000N	83.9333W		
Swan Lake	C14A	Montana,U.S.A.	47.7687N	113.7468W	1173	From 2006-10-03 to 2009-08-08
Swan Pond Ditch	SPIN	Indiana,U.S.A.	38.5400N	87.6069W	122	
Swansea	HSA	Wales,United Kingdom	51.7478N	4.1543W	274	From 1987-01-01
Swanson's Bluff	BSBM	California,U.S.A.	36.7378N	121.2870W	398	From 1975-06-25
Swan View	SWV	Western Australia,Australia	31.8833S	116.0650E	80	
Swartz Lake	SWMT	Montana,U.S.A.	47.5093N	113.9990W	1297	
Swaziland	SWD	Swaziland	26.4017S	31.7728E		From 1973-03-12 to 1976-03-20
Swaziland	SWL	Swaziland	26.3122S	31.1538E	0	
Sweetgrass	SW-MA	Montana,U.S.A.	48.9689N	111.9628W	1113	From 1965-10-16 to 1966-09-13
Sweetgrass	SW-	Montana,U.S.A.	48.9689N	111.9628W	1113	From 1965-10-16 to 1966-09-13
Sweet Springs	SSOR	Oregon,U.S.A.	44.8560N	122.4600W	1242	From 1991-09-01
Sweetwater, Wamsutter	M20A	Wyoming,U.S.A.	41.4906N	108.1865W	2134	From 2007-11-02
Swindon	SWN1	England,United Kingdom	51.5131N	1.8004W	192	From 1993-01-01
Swingate, Kent	SWG	England	51.1450N	1.3222E	122	From 2011-02-08
SW Tenn Gill Cnt	GILT	Tennessee,U.S.A.	35.2309N	89.9829W	0	
Sydney	SYD	New South Wales,Australia	33.8667S	151.2000E	43	From 1906-01-01 to 1948-12-31
Sydney Hard	SYDH	New South Wales,Australia	33.9297S	151.2243E	27	From 2010-08-01
Syktyvkar	SYKR	Komi	61.6708N	50.8247E	127	
Syncline Ridge	NYS	Nevada,U.S.A.	37.0325N	116.1690W	1509	From 1971-01-01 to 1973-01-31
Syowa Base	SYO	Dronning Maud Land	69.0088S	39.5921E	20	
Syston	KSY	England,United Kingdom	52.9642N	0.5873W	123	From 1988-01-01
Syuhurei	SYU	South Korea	36.2000N	128.0000E	100	
Szeged	SZE	Hungary	46.2483N	20.1414E	82	
Szhu	WSF	Taiwan region	23.6380N	120.2220E	6	
T5 Ranch, Ellsworth	L27A	Nebraska,U.S.A.	42.0837N	102.3154W	1186	From 2008-11-23
T a@11 Lat	DLVO	Vietnam	11.9652N	108.4815E	1550	From 1982-01-01
T a@11 Lat	DLV	Vietnam	11.9433N	108.4867E	1575	
Taal Volcano	CALP	Luzon,Philippines	13.9990N	121.0090E		
Tabaga	TBGR	Sakha,Russia	61.8210N	129.6370E	100	From 2003-06-24
Tabas	TABS	Iran	33.6490N	57.1190E	1106	From 2008-09-10
Tabasco	LJS	Tabasco,Mexico	17.9930N	93.4880W		
Tabat	TBTR	Krasnoyarskiy Kray,Russia	52.9291N	90.7201E	518	From 2005-05-27
Tabele	TBL	Papua New Guinea	4.1013S	145.0120E	180	From 1964-01-01
Tabernacle	TABN	New Jersey,U.S.A.	39.8642N	74.6628W	31	From 1977-06-17 to 1978-08-31
Tabernacle Mountain	TABB	British Columbia,Canada	51.7500N	117.7620W	2469	From 1972-10-18 to 1999-08-25
Table Mountain	TABL	Alaska,U.S.A.	60.4403N	141.1423W	2050	
Table Mountain	TMC	California,U.S.A.	34.3750N	117.6930W	2180	
Table Mountain	OTBM	California,U.S.A.	39.5457N	121.5610W	219	From 1975-09-06
Table Mountain	TBM	Washington,U.S.A.	47.1695N	120.5980W	1064	
Table Rock	TBR	New York,U.S.A.	41.1417N	74.2222W	261	From 1975-07-01
Tabri@18z	TAB	Iran	38.0675N	46.3267E	1430	From 1965-08-10
Tabriz	ITBZ	Iran	38.2333N	46.1470E	1650	From 1995-08-01
Tabubil	TZZ	Papua New Guinea	5.2681S	141.2210E	700	From 1977-11-16
Tabubil	OKTD	Papua New Guinea	5.3484S	141.2917E	518	From 1994-01-01
Tabuk	TBKS	Saudi Arabia	28.2200N	36.5400E	295	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Taburiente	TBT	Canary Islands,Spain	28.6794N	17.9145W	180	From 1974-11-01
Tacana	TCG	Guatemala	15.1228N	92.0858W	3100	From 1986-07-01
Ta-ch'eng	WTCT	Taiwan region	23.8640N	120.2810E	4	
Tachien	TWT	Taiwan region	24.2533N	121.1758E	1510	From 1973-10-04
Tacoma Substation	TBPA	Washington,U.S.A.	47.2581N	122.3669W	2	
Tacubaya	TAC	Mexico D.F.,Mexico	19.4050N	99.1936W	2297	
Tadjoura	TDJ	Djibouti	11.7955N	42.8888E	60	From 1972-04-01 to 1979-08-31
Tadjoura Ara	TDD	Djibouti	11.8037N	42.9070E	110	From 1979-09-01
Tadotsu	TAD	Kagawa,Japan	34.2833N	133.7670E	4	
Tadoussac	TADQ	Quebec,Canada	48.1437N	69.7184W	46	From 1979-05-24
Taebaek	KSTBA	South Korea	37.1226N	128.9523E	802	From 2006-12-30
Taegu	TAE	South Korea	35.8667N	128.6000E	50	
Taejon	TJN	South Korea	36.3772N	127.3638E	60	
Tafers	STAF	Switzerland	46.8052N	7.2161E	650	From 2008-04-16
Taforalt	TAF	Morocco	34.8142N	2.4142W	820	From 1972-11-01
Taft	TF-	California,U.S.A.	35.1636N	119.9675W	793	From 1962-05-23 to 1965-11-13
Taft	TF-CL	California,U.S.A.	35.1636N	119.9675W	793	From 1962-05-23 to 1965-11-13
Taga	JTG	Shiga,Japan	35.1867N	136.3217E	160	
Tagaytay City	TGY	Luzon,Philippines	14.1022N	120.9367E	600	From 1991-01-01
Tagbilaran	TBP	Cebu,Philippines	9.6910N	123.8620E	120	
Tagebau Bergheim	BD02	Nordrhein-Westfalen,Germany	50.9679N	6.6743E	115	From 2001-01-01 to 2007-08-29
Taghat	TGT	Morocco	34.0700N	5.0550W	820	From 1993-01-01
Taghi Ghambar	TGI	Iran	32.9633N	59.1933E	1800	From 1975-05-01
Tahiti	TAH	Tahiti,French Polynesia	17.7333S	149.3000W		
TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	C4TP	Tahiti	17.7493S	149.2958W	117	From 2000-03-11
Tahkenitch	TAKO	Oregon,U.S.A.	43.7435N	124.0812W	46	
Tahtakopru-Hatay	TAHT	Turkey	36.3757N	36.1852E	266	From 2009-10-19
Tahuroa Road	TOZ	North Island,New Zealand	37.7308S	175.5019E		
Tai'an	TIA	Shandong,China	36.2114N	117.1240E	300	
Taichung	TCU	Taiwan region	24.1475N	120.6760E	84	
Taichung Port	TCUP	Taiwan region	24.2560N	120.5230E	0	From 2001-04-10
Taif	TAF1	Saudi Arabia	21.2830N	40.3500E	2500	From 1995-04-01
Taimali	ECL	Taiwan region	22.5970N	120.9540E	70	
Tainan	TAI	Taiwan region	22.9952N	120.1970E	14	
Tainan City	TAI2	Taiwan region	22.9870N	120.2100E	30	From 1999-08-04
Taipei	TAP	Taiwan region	25.0393N	121.5060E	6	
Taipei	TAP1	Taiwan region	25.0390N	121.5230E	-80	
Taipei	TATO	Taiwan region	24.9754N	121.4880E	53	From 1976-05-13
Taitung	TTN	Taiwan region	22.7540N	121.1470E	9	
Taivalkoski	KU2	Finland	65.7096N	28.2300E	290	From 2003-11-05
Taiyuan	TYN	Shanxi,China	37.7867N	112.5900E		
Taiyuan	TIY	Shanxi,China	37.7131N	112.4340E	850	
Ta'izz	TAIZ	Yemen	13.5680N	44.0470E	0	
Takachiho West	KV11	Kagoshima,Japan	31.8839N	130.8989E	980	
Takada	TKD	Niigata,Japan	37.1050N	138.2500E	15	
Takada	TKJ	Niigata,Japan	37.1280N	138.2100E	40	From 1971-01-01
Taka-dake	TAKK	Kumamoto,Japan	32.8787N	131.1015E	1450	
Takaka	TAK	South Island,New Zealand	40.8500S	172.8000E	8	From 1931-01-01 to 1951-12-31
Takamatsu	TKM	Kagawa,Japan	34.3150N	134.0567E	10	
Takane	TKN	Gifu,Japan	35.9824N	137.5122E	1310	
Takapari Road	TSZ	North Island,New Zealand	40.0603S	175.9609E	547	From 2004-01-27
Takarajima	JTAJ	Ryukyu Islands,Japan	29.1532N	129.2030E	35	From 2010-02-01
Takato	JNT	Yamanashi,Japan	35.8750N	138.1380E	1180	From 1995-04-01
Takayama	TKY	Gifu,Japan	36.1533N	137.2567E	560	
Takayama	TAKN	Gifu,Japan	36.1328N	137.1842E	700	
Takayasuyama	TKU	Osaka,Japan	34.6117N	135.6600E	472	
Takazaki	JTZ	Miyazaki,Japan	31.9012N	131.0880E	170	
Takazawasan	TKZ	Gifu,Japan	35.5430N	136.9754E	260	
Take-yama	TKE	Kanagawa,Japan	35.2170N	139.6669E	112	
Talagante	TACH	Santiago,Chile	33.6532S	70.9376W	440	From 1982-01-01
Talang	TLN	Sumatera,Indonesia	1.0000S	100.5000E		
Tala Pozo	TPA	Santiago del Estero,Argentina	27.8217S	64.2450W	177	
Talara	TAL	Peru	4.6317S	81.3067W	40	
Talasea	TLS	New Britain,Papua New Guinea	5.3097S	150.0450E	40	From 1972-09-01
Talaya	TLY	Irkutskaya Oblast',Russia	51.6807N	103.6438E	579	
Talaya	TLAR	Magadanskaya Oblast',Russia	61.1297N	152.3978E	730	
Talbingo	TAO	New South Wales,Australia	35.6109S	148.2890E	570	From 1969-01-01
Talbot Arm	YUK4	Yukon Territory,Canada	61.3448N	138.6462W	2009	From 2010-08-29
Talbot Brook	WA3	Western Australia,Australia	32.0517S	116.6430E	276	From 1973-01-01
Talca	TALC	Maule,Chile	35.3980S	71.6340W	90	
Talchebab	TCHB	Syria	32.6692N	35.9688E	458	From 1995-02-01
Talcott Mountain	TMT	Connecticut,U.S.A.	41.8114N	72.7989W	290	From 1972-01-07 to 1977-06-10
Taldyqorghan	TDK	Kazakhstan	45.0060N	78.4050E	601	
Talgar	AA2	Kazakhstan	43.2300N	77.2300E		
Talgar	TLG	Kazakhstan	43.2300N	77.2300E	850	From 1994-07-27
Talgar	AAB	Kazakhstan	43.2300N	77.2300E		
Taliwang, Sumbawa	TWSI	Sumba,Indonesia	8.7381S	116.8821E	86	From 2008-12-01
Talkeetna Mountains	TLK	Alaska,U.S.A.	62.4938N	147.8780W	1719	From 1974-07-10 to 1975-11-11
Talkin	BTA	England,United Kingdom	54.9057N	2.6844W	279	
Talladega	TDA	Alabama,U.S.A.	33.5417N	86.0247W	181	
Tallapoosa	TOPM	Missouri,U.S.A.	36.5259N	89.8885W	80	
Tallapoosa	TPMO	Missouri,U.S.A.	36.5400N	89.8520W	83	
Tallowa	TALM	New South Wales,Australia	34.7709S	150.3809E	290	
Tallowa Pump Stn	TALL	New South Wales,Australia	34.7334S	150.4615E	68	
Tall Timber Ranch, Leavenworth	C06A	Washington,U.S.A.	47.9230N	120.8944W	594	From 2006-09-13 to 2008-05-16
Talmassons	TLI	Italy	45.9217N	13.1019E	-49	From 1985-11-27
Taloyoak	SBNU	Nunavut,Canada	69.5405N	93.5571W	78	
Tamagu	JJT	Ryukyu Islands,Japan	26.1495N	127.7667E	188	
Tamagusuku 2	JJT2	Ryukyu Islands,Japan	26.1383N	127.7487E	40	
Tamana	JTA	Kumamoto,Japan	32.9637N	130.5328E	230	
Tamanrasset	TAM	Algeria	22.7917N	5.5233E	1395	From 1948-01-01
Tamaro	TMA	Switzerland	46.1060N	8.8730E	1700	From 1981-01-01 to 2002-01-02
Tamasi	PKS9	Hungary	46.5870N	18.2789E	240	
Tambak Boyo	TBJI	Jawa,Indonesia	6.8179S	111.8481E	0	From 2007-12-01
Tambo	TAMB	Ecuador	0.6942S	78.3680W	4160	From 1990-08-10
Tam Dao	TDV	Vietnam	21.4647N	105.6457E	1200	
Tamdy-Bulak	TMD	Uzbekistan	41.7500N	64.6400E	273	
Tamitsa	TMCR	Arkhangel'skaya Oblast',Russia	64.1643N	38.0352E	23	From 2003-11-28
Tampico	TMX	Tamaulipas,Mexico	22.2550N	97.8506W	21	
Tamra	TAMR	Tunisia	37.0469N	9.1091E	93	From 2010-01-10
Tanabu	TNB	Aomori,Japan	41.2833N	141.2170E		
Tanaga Cape Sajaka	TACS	Alaska,U.S.A.	51.8632N	178.1394W	918	
Tanaga Falls Point	TAFP	Alaska,U.S.A.	51.9001N	177.9833W	440	
Tanaga Flats	TAFL	Alaska,U.S.A.	51.7566N	177.8978W	186	
Tanaga North	TANO	Alaska,U.S.A.	51.9157N	178.1208W	269	
Tanaga Point Aries	TAPA	Alaska,U.S.A.	51.8155N	177.8128W	640	
Tanaga Southeast	TASE	Alaska,U.S.A.	51.8350N	178.0370W	682	
Tana Glacier	TGL	Alaska,U.S.A.	60.7558N	142.8300W	1234	From 1988-07-01
Tanaharon	THRI	Bali,Indonesia	8.3694S	115.5430E	1000	
Tanaka	TKA	New Britain,Papua New Guinea	4.3449S	152.1780E	365	
Tanana	TNN	Alaska,U.S.A.	65.2567N	151.9120W	504	
Tananarive	TAN	Madagascar	18.9169S	47.5519E	1375	From 1973-01-01
Tana Toraja	TTSI	Sulawesi,Indonesia	3.0451S	119.8190E	0	From 2007-12-01
Tanbara	JET	Ehime,Japan	33.7788N	133.0487E	410	
Tanegashima	TAJ	Ryukyu Islands,Japan	30.7367N	130.9933E	17	From 1970-07-01
Tanegashima 2	TAJ2	Ryukyu Islands,Japan	30.6350N	130.9800E	280	From 1984-08-01
Tanegashima 3	JTN	Ryukyu Islands,Japan	30.6543N	130.9797E	240	
Tanete Lipujang	TANI	Sulawesi,Indonesia	3.4361S	119.3830E	230	
Tangerang	TNG	Jawa,Indonesia	6.1717S	106.6462E	14	
Tangkuban Prahu	TPJ	Jawa,Indonesia	6.7667S	107.6000E		From 1969-01-01 to 1999-08-25
Tanjungpandan	TPI	Sumatera,Indonesia	2.7563S	107.6534E	25	
Tanjung Pinang	TPRI	Sumatera,Indonesia	0.9184N	104.5263E	41	From 2005-01-01
Tanna	TANV	Vanuatu	19.5326S	169.2795E	100	
Tannan	TNJ	Kyoto,Japan	35.0314N	135.2136E	310	
Tannehill State Park	TSAL	Alabama,U.S.A.	33.2561N	87.0675W	180	
Tannenbergsthal	TANN	Sachsen,Germany	50.4149N	12.4616E	836	From 2000-12-19
Tanohata	JTH	Iwate,Japan	39.9387N	141.8637E	200	
Tanti	TCA	Cordoba,Argentina	31.3370S	64.5954W	1035	From 1980-01-03
Tanto	TTOK	Hyogo,Japan	35.5065N	134.9772E	190	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tapachula	TPX	Chiapas,Mexico	14.9050N	92.2611W	150	From 1984-01-01
Tapachula	TLA	Chiapas,Mexico	15.0289N	92.2000W		
Tapini	TPN	Papua New Guinea	8.3569S	146.9840E	989	
Taplejung	TAPN	Nepal	27.3500N	87.7100E	2530	From 1994-04-01
Tapovan	TPVN	Himachal Pradesh,India	30.4964N	79.6113E	2110	From 2007-05-01
TAPS Pump St10	PS10	Alaska,U.S.A.	63.4233N	145.7684W	732	
TAPS Pump St11	PS11	Alaska,U.S.A.	62.0793N	145.4730W	377	
TAPS Pump St12	PS12	Alaska,U.S.A.	61.4754N	145.1438W	568	
TAPS Pump Stn	PS01	Alaska,U.S.A.	70.2582N	148.6108W	2	
TAPS Pump Stn4	PS04	Alaska,U.S.A.	68.4218N	149.3538W	851	
TAPS Pump Stn5	PS05	Alaska,U.S.A.	66.8114N	150.6619W	331	
TAPS Pump Stn6	PS06	Alaska,U.S.A.	65.8549N	149.7344W	280	
TAPS Pump Stn7	PS07	Alaska,U.S.A.	65.3106N	148.2791W	290	
TAPS Pump Stn8	PS08	Alaska,U.S.A.	64.5426N	146.8196W	320	
TAPS Pump Stn9	PS09	Alaska,U.S.A.	63.9303N	145.7659W	478	
TAPS TI Valdez	VMT	Alaska,U.S.A.	61.0832N	146.3673W	60	
Ta-pu	TPUB	Taiwan region	23.3005N	120.6296E	370	
Ta-pu	WTP	Taiwan region	23.2460N	120.6140E	560	
Tara	ETA	Ireland	52.6958N	6.2100W	140	From 1982-03-01
Taradale	TRZ	North Island,New Zealand	39.5533S	176.8210E	17	From 1962-05-01 to 1988-05-31
Taradale Trig	TTH	North Island,New Zealand	39.5413S	176.8260E	120	From 1987-03-19 to 2003-07-26
Tarade	TAG	Guadeloupe	16.0420N	61.6642W	1182	
Taragay, Kyrgyzstan	TARG	Kyrgyzstan	41.7291N	77.8048E	3528	From 2008-08-14
Tara Hills	THP	South Island,New Zealand	44.5450S	169.8880E	760	From 1975-06-01 to 1983-11-21
Tarakan	TARAI	Kalimantan,Indonesia	3.3271N	117.5703E	95	From 2000-01-01
Tarama	JTJ	Ryukyu Islands,Japan	24.6408N	124.7020E	7	
Taranto	TAR1	Italy	40.5259N	17.2843E	75	From 2009-09-01
Taranto	TAR	Italy	40.4750N	17.2583E	15	
Taranto	TTI	Italy	40.4096N	17.2833E	20	From 1977-01-01 to 1999-08-25
Taranto	TA1	Italy	40.4096N	17.2833E		From 1977-01-01 to 1999-08-25
Taraponui	TAHZ	North Island,New Zealand	39.1358S	176.7403E	1297	From 1987-03-01 to 1999-08-25
Tarata	TNZ	North Island,New Zealand	39.1872S	174.3800E	123	From 1962-05-01 to 1985-07-27
Taravao	TVO	Tahiti,French Polynesia	17.7825S	149.2517W	620	
Tarawa	TARA	Kiribati (Gilbert Islands),Kiribati	1.3549N	172.9229E	19	
Tarawera	TAZ	North Island,New Zealand	38.2331S	176.5080E	1037	From 1984-07-01
Taraz	DZA	Kazakhstan	42.8920N	71.3310E	631	
Tarbela	TRB	Pakistan	34.0828N	72.7157E	532	
Tarbella	TBLA	Pakistan	34.1000N	72.8000E	392	From 2010-06-12
Tardaria	ETAR	Sicily,Italy	37.6630N	15.0590E	940	From 2001-07-01
Targassone	TRGS	Languedoc-Rousillon,France	42.5022N	1.9667E	1700	
Tarifa	EXTA	Spain	36.0120N	5.6010W	28	
Tarija	TRJ	Bolivia	21.5131S	64.7761W	2100	
Tarpa	TRPA	Hungary	48.1304N	22.5391E	113	From 2006-11-01
Tarquinia - VT	TO06	Italy	42.2015N	11.8360E	96	From 2008-05-14 to 2009-04-02
Tarquinia - VT	TO07	Italy	42.2714N	11.7888E	188	From 2008-07-15 to 2009-10-18
Tarraleah	TRR	Tasmania,Australia	42.3042S	146.4500E	579	From 1960-01-01 to 2009-09-03
Tarraleah	LEAH	Tasmania,Australia	42.3027S	146.4516E	590	
Tartu	TTU	Estonia	58.3833N	26.7167E		
Tartu	TRTE	Estonia	58.3786N	26.7205E	100	
Tarutung	TRSI	Sumatera,Indonesia	2.0256N	98.9594E	979	From 2005-01-01
Tashiro 2	JTSR	Kagoshima,Japan	31.1663N	130.9217E	430	
Tashkent	TAS	Uzbekistan	41.3250N	69.2950E	470	
Tashtagol	TASR	Kemerovskaya Oblast',Russia	52.7600N	87.8800E	530	
Taskesti	BTAS	Turkey	40.5706N	30.9999E	732	From 2009-11-20
Taslik	TST	Turkey	40.2483N	28.3733E	35	From 1978-11-01 to 1999-08-25
Tasmania University	TAU	Tasmania,Australia	42.9099S	147.3200E	132	From 1957-01-01
Tasoluk	AYDN	Turkey	37.6608N	27.8792E	716	From 2002-12-20
Tassajara Creek	PTAM	California,U.S.A.	35.3925N	120.7078W	802	
Tasu	TSB	British Columbia,Canada	52.7650N	132.0330W	30	From 1984-04-13
Tatalina	TTL	Alaska,U.S.A.	62.8986N	155.9760W		
Tatalina	TTA	Alaska,U.S.A.	62.9301N	156.0120W	990	
Tatalina	TT01	Alaska,U.S.A.	62.9066N	156.0204W	380	
Tatama	TATC	Colombia	5.1267N	75.9969W	2200	
Tataouine	TATN	Tunisia	32.5787N	10.5295E	550	From 2010-01-10
Tateyama	TAT	Chiba,Japan	34.9833N	139.8680E	6	
Tateyama	TYM	Chiba,Japan	34.9708N	139.8481E	30	
Tateyama 2	TATJ	Chiba,Japan	35.0317N	139.8902E	40	From 1990-05-10
Tathlith	TATS	Saudi Arabia	19.5416N	43.4773E	1123	
Tatla Lake BC	TALB	British Columbia,Canada	52.0147N	124.2536W	1122	From 2006-08-28
Tatong	TATM	Victoria,Australia	36.7747S	146.1061E	342	
Tatsuka	TATH	Iburi,Japan	42.5305N	140.8838E	140	
Tatum	Z27A	New Mexico,U.S.A.	33.3150N	103.2145W	1197	From 2008-04-17
Tatum Dome	TQ-MS	Mississippi,U.S.A.	31.1328N	89.5711W	130	
Tatvan	TATV	Turkey	38.5080N	42.2672E	1831	From 2006-10-19
Tau Lekoa	TLEK	South Africa	26.9620S	26.6710E	1307	From 2008-06-30
Tau Lekoa	TAUL	Transvaal,South Africa	26.9960S	26.6090E	1350	From 2008-04-07
Taunus Mts	TNS	Hessen,Germany	50.2225N	8.4473E	815	From 1913-01-01
Tauranga	TGRZ	North Island,New Zealand	37.7308S	176.2605E	140	
Taurewa	TWVZ	North Island,New Zealand	39.0725S	175.4375E	1050	From 2004-05-18
Tautenburg	TAUT	Thuringen,Germany	50.9816N	11.7107E	330	From 2008-05-16
Tauwhareparae	TWGZ	North Island,New Zealand	38.1767S	177.9804E	687	From 2009-12-09
Tauyuan	STYT	Taiwan region	23.1630N	120.7570E	640	
Tavernes	TAVF	Provence-Cote d'Azur,France	43.6173N	6.0578E	689	From 1982-11-01
Taveuni	TVI	Fiji	16.9259S	179.9590E	814	From 1981-11-01
Tavil'dara	TDT	Tajikistan	38.6833N	70.4833E	1670	
Tavsanli	TVSB	Turkey	39.4497N	29.4615E	1090	From 2009-02-12
Tavurvur	TAV	New Britain,Papua New Guinea	4.2312S	152.2200E	31	From 1967-01-01
TAWANG	TAWA	Arunachal Pradesh	28.0566N	95.3250E	167	From 2011-06-11
Tawau	TSM	Sabah,Malaysia	4.2936N	117.8725E	62	
Tawu	TWJ1	Taiwan region	22.3696N	120.8838E	150	From 1978-01-13
Tawu	TAW	Taiwan region	22.3576N	120.8960E	8	
Tayabas	TAY	Luzon,Philippines	13.8990N	121.8660E	300	
Tayabas	TQP	Luzon,Philippines	13.8989N	121.8660E	300	
Tayfur-Gelibolu	GELI	Turkey	40.3980N	26.4741E	129	From 2008-07-05
Taylor	CTAM	California,U.S.A.	38.0269N	122.0160W	152	
Taylor	NTYM	California,U.S.A.	38.3895N	122.6620W		
Taylor Farm	CTFL	California,U.S.A.	37.6463N	121.6720W	295	From 1981-01-01
Taylor Mountain	TMI	Idaho,U.S.A.	43.3056N	111.9180W	2179	
Taylor Mountain	NTMM	California,U.S.A.	38.3858N	122.6800W	105	From 1970-08-14
Taylor Ranch	PTYM	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylor Ranch	TRC	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylor Ranch	PK3	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylorsville	TVNC	North Carolina,U.S.A.	36.0331N	81.2131W	731	
Tayyib Ism	TAYS	Saudi Arabia	28.5511N	34.8717E		
Tazeka	TZK	Morocco	34.0890N	4.1840W	1980	From 1993-01-01
Tazercounte	TZC	Morocco	32.1480N	6.4900W	1700	
Tazewell	TZTN	Tennessee,U.S.A.	36.5439N	83.5490W	394	
Tazlina	TZL	Alaska,U.S.A.	62.0445N	145.4240W	366	From 1990-07-01
T'bilisi	TIF	Georgia	41.7167N	44.8000E	399	From 1899-01-01 to 1978-12-31
Tbilisi Sea	SEAG	Georgia	41.7643N	44.8034E	607	From 2003-01-01
Tchakhmakh	TCHZ	Armenia	40.9000N	43.7000E	1860	
Teanaway	TWW	Washington,U.S.A.	47.1381N	120.8680W	1046	From 1986-10-01
Teasdale	R16A	Utah,U.S.A.	38.2843N	111.4827W	2202	From 2007-06-26 to 2009-03-10
Tea Tree Gully	UTT	South Australia,Australia	34.8215S	138.7367E	300	
Te Atua	TEHZ	North Island,New Zealand	39.9894S	176.8111E	407	From 1987-03-01 to 1999-08-25
Tecamachalco	TCPM	Puebla,Mexico	18.8900N	97.6894W		
Tecapa	TCPZ	El Salvador	13.4890N	88.5070W	1594	
Techi	TDCB	Taiwan region	24.2531N	121.1583E	1295	
TEC LaTrobe	TECM	Victoria,Australia	37.7245S	145.0555E	156	
Tecnologico de Monterrey	TMM	Nuevo Leon,Mexico	25.7505N	100.2029W	585	
Tecnologico de Monterrey 2	TMM2	Nuevo Leon,Mexico	25.6992N	100.2663W		
Tecolote Peak, Malaga	226B	New Mexico,U.S.A.	32.0778N	104.1654W	981	From 2009-02-21 to 2010-02-17
Tecomasuche	TME	El Salvador	14.0169N	89.3556W	516	
Tecpan	TEP	Guatemala	14.7878N	90.9715W	1640	From 1978-06-01
Tecpan 2	TP2	Guatemala	14.7833N	91.0213W	3075	From 1982-01-01
Tecpatan	TCX	Chiapas,Mexico	17.1330N	93.2950W	471	From 1979-12-01
Teekin	TEK	Tonga	21.1297S	175.3220W	20	From 1970-10-01
Teeli	TEL	Tyva,Russia	51.0200N	90.2000E	980	
Teeples Ranch	TEE	Montana,U.S.A.	48.3795N	115.5880W	805	From 1971-02-01 to 1976-10-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tegal	TGJI	Jawa,Indonesia	6.8679S	109.1210E	44	From 2005-01-01
Tegucigalpa,Univ of Honduras	TGUH	Honduras	14.0570N	87.2730W	0	
Tehachapi Microwave	THC	California,U.S.A.	34.9087N	118.6630W	1718	
Tehra@18n	THR	Iran	35.9080N	51.1260E	2050	From 2000-08-01
Tehran	TEH	Iran	35.7367N	51.3817E	1462	
Tehran--Karaj	THKV	Iran	35.9157N	50.8788E	1795	From 1999-04-24
Tehuac#an	TPIG	Mexico	18.4195N	97.3617W	1488	From 2002-10-10
Tejag	ITEG	Iran	32.8965N	58.7488E	1745	From 2005-12-01
Tejeda	ATEJ	Spain	36.9150N	4.0140W	1480	
Tejon Ranch	TJR	California,U.S.A.	35.0275N	118.7430W	439	
Te Kaha	HAZ	North Island,New Zealand	37.7561S	177.7826E	81	From 2010-01-14
Te Karaka	TKGZ	North Island,New Zealand	38.4392S	177.8485E	157	From 2010-03-13
Tekeris	TEKS	Serbia	44.5492N	19.5287E	500	From 2008-12-29
Tekirdag	TKR	Turkey	40.9902N	27.5357E	140	
Tekirdag	SART	Turkey	40.6889N	27.1800E	800	From 1997-02-27
Tekirdag	TDAG	Turkey	40.9903N	27.5344E	148	From 1996-04-01 to 1997-02-26
Tekketepe	TKTP	Turkey	38.0400N	30.3200E	1788	From 1996-04-01
Telchick Spring	TCSI	Idaho,U.S.A.	43.6193N	113.4780W	1731	From 1992-01-01
Telegraph Cove	TLCB	British Columbia,Canada	50.5465N	126.8345W	10	From 2004-12-20
Telegraph Creek	TCBC	British Columbia,Canada	57.9231N	131.2820W	1356	From 1989-10-10
Telica	TELN	Nicaragua	12.6042N	86.8313W	850	
Telica 3	TEL3	Nicaragua	12.5722N	86.8448W	300	
Tellico Plains	TLT	Tennessee,U.S.A.	35.3011N	84.2833W	512	
Telus,Franklin R.	TFRB	British Columbia,Canada	48.9332N	124.6363W	0	From 2004-05-28
Tema	TEGH	Ghana	5.6367N	0.0014W	14	From 1987-01-01
Te Maipa	TMWZ	North Island,New Zealand	41.1083S	175.8903E	529	From 2007-04-20
Temblor Range Southeast	TMB	California,U.S.A.	35.0873N	119.5350W	1021	From 1976-06-01
Temiscaming	JBBQ	Quebec,Canada	46.7751N	78.9632W	278	From 2001-12-04
Temiscaminque	MLQ2	Quebec,Canada	46.6814N	78.9907W	299	
Temiskaming	TMK	Quebec,Canada	46.6667N	79.0667W		
Tempiute Mountain	TPU	Nevada,U.S.A.	37.6046N	115.6496W	1964	
Temple University, Ambler	TUPA	Pennsylvania,U.S.A.	40.1663N	75.1864W	112	
Temuco	TMCH	Chile	38.7490S	72.6164W	100	
Temuco	TMU	Cautin,Chile	38.7344S	72.6006W	100	From 1974-04-01
Temuco	TEM	Cautin,Chile	38.7750S	72.6056W		From 1965-09-01 to 1999-08-25
Tena	TENA	Ecuador	0.7327S	77.7622W	1161	From 1994-09-21
Tende	OG23	Rhone-Alpes,France	44.1162N	7.6185E	930	From 1989-06-26
Tendick Farm, Oakridge	I04A	Oregon,U.S.A.	43.7941N	122.4113W	731	From 2006-11-03 to 2007-11-01
Tenerife	TEN	Canary Islands,Spain	28.4643N	16.2454W	1	From 1952-01-01 to 1983-01-31
Tenerife	CTFE	Canary Islands,Spain	28.4794N	16.2622W	270	From 1983-01-01
Tenhult	TNU	Sweden	57.6380N	14.2690E		From 1980-01-01 to 1991-12-31
Tenkes	RHK3	Hungary	45.8885N	18.2521E	420	
Tenmabayashi	JTM	Aomori,Japan	40.7868N	141.0682E	130	
Ten Mile Ranch, Cody	K28A	Nebraska,U.S.A.	42.7136N	101.3665W	986	From 2009-06-03
Tennant Creek	WRAB	Northern Territory,Australia	19.9333S	134.3500E	366	From 1994-03-27
Tennessee City	TCT	Tennessee,U.S.A.	36.0053N	87.5528W	245	From 1988-03-10
Tennyson Woods	TWOA	South Australia,Australia	35.0325S	138.5781E	165	From 1978-04-01
Tenryu	TNRJ	Shizuoka,Japan	34.9078N	137.8850E	66	From 1979-04-01
Teolo	TEOL	Italy	45.3600N	11.6700E	370	
Teotitlan	TEO	Oaxaca,Mexico	18.1382N	97.0752W	1060	
Tepee Creek	TPMT	Montana,U.S.A.	44.7298N	111.6660W	2518	From 1992-10-12
Tepee Creek (NFS), Magee	C11A	Idaho,U.S.A.	47.8397N	116.2557W	914	From 2007-08-28 to 2009-07-18
Tepelena	TPE	Albania	40.2952N	20.0109E	251	From 1984-04-01
Tepich	TEIG	Yucatan,Mexico	20.2263N	88.2764W	69	
Tepoztlan	TPM	Morelos,Mexico	18.9833N	99.0617W	1500	
Tequesquite Ranch, Mosquero	V26A	New Mexico,U.S.A.	35.7964N	103.7860W	1362	From 2008-05-10
Teramo	TERO	Italy	42.6228N	13.6039E	673	From 2003-11-20
Ter de Rio Valdez	TRVA	Tierra del Fuego,Argentina	54.6803S	67.3395W	240	
Terek-Say	TRKS	Kyrgyzstan	41.5300N	71.1400E	1640	
Teren Tiev Lake	TTV	Alaska,U.S.A.	61.0548N	147.1210W	533	From 1984-09-18
Terepaima	TEPV	Venezuela	9.9637N	69.1917W	470	From 2002-11-21
Teresina	TRSB	Piaua,Brazil	4.8700S	42.7100W	125	
Terlingua Ranch, Terlingua	627A	Texas,U.S.A.	29.4528N	103.3887W	1163	From 2008-03-08 to 2010-02-08
Terme di Santa Lucia (Busana) - RE	RE05	Italy	44.4018N	10.3270E	1007	From 2008-12-28 to 2009-02-12
Termini	ISOR	Italy	40.5820N	14.3350E	497	From 1976-01-01
Ternate	TNTI	Moluccas,Indonesia	0.7718N	127.3667E	43	From 2007-01-05
Ternate	TNE	Moluccas,Indonesia	0.7860N	127.3690E	0	
Ternei	TEY	Primorskiy Kray,Russia	45.0360N	136.6030E	50	From 1982-02-01
Terradas	ETER	Spain	42.3015N	2.8555E	238	From 1988-03-01
Terra Mystica	MYKA	Austria	46.6299N	13.6416E	909	From 2006-12-13
Terranera (Rocca di Mezzo)	RM16	Italy	42.2347N	13.5321E	1311	From 2009-04-08 to 2009-05-25
Terranova	TER	Guatemala	14.3023N	90.6837W	560	From 1975-03-01
Terranova Bay	TNV	Victoria Land	74.6950S	164.1240E	40	
Terranova Sibari	TDS	Italy	39.6589N	16.3378E	270	
Terraza Guagua	TERV	Ecuador	0.1743S	78.6043W	4228	
Terre Adelie	TAA	Terre Adelie	66.8178S	141.3950E	8	
Terrebonne, OR	I05D	Oregon	44.3386N	121.3395W	811	From 2009-10-20
Terre Haute	THI	Indiana,U.S.A.	39.4069N	87.3600W	150	From 1962-09-21
Terry Harris R'ch	CTHM	California,U.S.A.	37.6680N	121.6557W	344	
Terskaya	TRKR	Severo-Osetinskaya,Russia	43.7233N	44.7321E	141	From 2005-08-09
T"s	PKST	Hungary	47.2590N	18.0343E	473	From 2007-05-31
Teshikaga	TES	Kushiro,Japan	43.4836N	144.4028E	230	
Tesla Road	CTLM	California,U.S.A.	37.6573N	121.6440W	458	
Tesuque Peak	TSP	New Mexico,U.S.A.	35.7853N	105.7810W	3664	From 1973-10-14
Tete	TET	Mozambique	16.1467S	33.5768E	153	From 1970-12-01
Tete Morne	DTMT	Dominica	15.2330N	61.3520W	496	
Tetilla Peak	TTP	New Mexico,U.S.A.	35.6094N	106.2060W	2103	From 1973-10-01
Tetitlan	TETM	Guerrero,Mexico	17.1617N	100.6305W	50	
Teton Pass	TPAW	Wyoming,U.S.A.	43.4901N	110.9510W	2512	From 1986-01-01
Texada	TXB	British Columbia,Canada	49.6969N	124.4360W	515	From 1984-01-14
Tezpur	TZR	Assam,India	26.6333N	92.8000E		
TEZPUR	TEZP	Assam	26.6168N	92.7989E	83	From 2011-05-01
Thala	THTN	Tunisia	35.5616N	8.6881E	1095	From 2010-01-10
Thala	THA	Tunisia	35.5603N	8.6997E	1080	
Thalero	THAL	Greece	38.0372N	22.6631E	129	From 2008-06-14
Thallon Road	WTRQ	Queensland,Australia	27.5286S	152.4640E		From 1985-05-23
Thamme Wali	THW	Pakistan	32.7943N	71.7427E	533	
Thanh Hoa	THV	Vietnam	19.8508N	105.7820E	0	From 2001-01-01
The Bluff, Cayman Brac	CBCY	Cayman Islands	19.7380N	79.7583W	31	From 2011-01-01
The Citadel Site 1	C1SC	South Carolina,U.S.A.	32.7983N	79.9590W	5	
The Citadel Site 2	C2SC	South Carolina,U.S.A.	32.7993N	79.9643W	2	
The Dalles	VTDM	Oregon,U.S.A.	45.5453N	121.3110W	305	
The Heights School	THS	South Australia,Australia	34.7417S	138.7733E	340	
Thein Dam	THN	Himachal Pradesh,India	32.4333N	75.7167E		
The Old Anderson's Place, Rush Valley	O15A	Utah,U.S.A.	40.2807N	112.4694W	1611	From 2007-06-28 to 2009-04-08
The Paps	APZ	Stewart Island,New Zealand	46.8334S	167.9888E	601	From 2006-05-08
The Promontory	YTP	Wyoming,U.S.A.	44.3918N	110.2850W	2384	
Thera Island	THR1	Greece	36.3705N	25.4593E	550	From 2004-02-01
Thermopolis	TL-WY	Wyoming,U.S.A.	43.3917N	108.0881W	1615	
Thessaloniki	THE	Greece	40.6322N	22.9650E	70	From 1981-01-01
They Montfort	THEF	Lorraine,France	48.2268N	5.9863E	469	
Thira Island, Akrotiri	THR6	Greece	36.3562N	25.3975E	119	From 2004-02-01
Thira Island, Kera	THR5	Greece	36.4172N	25.3479E	180	From 2004-02-01
Thira Island, Nea Kammeni	THR3	Greece	36.4091N	25.4008E	71	From 2004-02-01
Thira Island, Oia	THR4	Greece	36.4600N	25.3974E	220	From 2004-02-01 to 2009-09-01
Thira island, Vourvoulos	THR2	Greece	36.4468N	25.4353E	220	From 2008-05-31
Thirsty	NT13	Nevada,U.S.A.	37.1570N	116.6670W	1628	
Thirsty Canyon	TCNV	Nevada,U.S.A.	37.1416N	116.7214W	1471	From 1984-11-02 to 2002-12-10
Thompson	CTOM	Ohio,U.S.A.	41.6917N	81.1473W	387	
Thompson Grove	U27A	Texas,U.S.A.	36.4213N	102.8246W	1342	From 2009-04-15
Thompson Ridge	KTRM	California,U.S.A.	41.9087N	123.3760W	1378	
Thomson	TOMM	Victoria,Australia	37.8085S	146.3497E	932	
Thorn Acres	CTHA	Ohio,U.S.A.	41.5422N	81.1108W	362	
Thornton Park	SATS	California,U.S.A.	33.7078N	117.8910W	-370	From 1987-02-01
Thorofare Mountain	TRF	Alaska,U.S.A.	63.4510N	150.2870W	1717	From 1989-08-01
Three Chop Ridge	GTC	California,U.S.A.	39.3994N	123.5553W	369	
Three Creek Meadows	TCO	Oregon,U.S.A.	44.1075N	121.6000W	1975	From 1987-08-27
Three Creeks Reservoir	TCRU	Utah,U.S.A.	38.6095N	112.4472W	2293	From 2009-11-17
Three Point Mountain	TID	Idaho,U.S.A.	43.5000N	115.9330W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Three Points, Tucson	216A	Arizona,U.S.A.	32.0022N	111.4574W	908	From 2007-03-02 to 2008-12-09
Three Sisters	THRC	California,U.S.A.	34.5532N	117.7183W	1025	
Three Sisters--Wife	WIFE	Oregon,U.S.A.	44.0597N	121.8175W	1955	
Thule	THULE	Greenland	76.5567N	68.6750W	275	
Thule	TE-	Greenland	76.4972N	68.6056W	213	From 1965-10-12 to 1965-11-15
Thule	THU	Greenland	76.4167N	68.3000W	485	
Thule	TULEG	Greenland	76.5374N	68.8237W	38	
Thule	TE-GL	Greenland	76.4972N	68.6056W	213	From 1965-10-12 to 1965-11-15
Thunder Bay	TBO	Ontario,Canada	48.6473N	89.4083W	468	From 1987-01-23
Thunder Mountain BC	THMB	British Columbia,Canada	52.5489N	124.1323W	1126	From 2006-08-27
Tianjin	TIE	Hebei,China	39.1333N	117.2670E	20	
Tianshui	TNH	Gansu,China	34.5783N	105.7520E		
Tiarei	TIAR	Society Islands,French Polynesia	17.5578S	149.3458W	300	
Tiaret	ETRT	Algeria	35.3900N	1.3000E	1221	
Tiberkul'	TBRR	Krasnoyarskiy Kray,Russia	53.8832N	93.7438E	400	From 2004-06-08
Ticuantepe	TICN	Nicaragua	12.0335N	86.2317W	400	
Tiendilla	TLLA	Costa Rica	10.0045N	83.7737W	2677	
Tierras Morenas	AR3	Costa Rica	10.5869N	85.0350W	760	
Tifton	TIGA	Georgia,U.S.A.	31.4389N	83.5898W	109	From 2008-12-06
Tignish, PEI	TIGG	Prince Edward Island	47.0015N	63.0091W	8	From 2005-09-29 to 2007-11-05
Tigre	TIG	Costa Rica	9.0367N	83.2960W	690	From 1989-01-01
Tihany	TIH	Hungary	46.9000N	17.8930E	187	From 1987-01-01 to 1988-12-31
Tijuco Alta	RSTA	Parana,Brazil	24.6508S	49.0327W	248	From 1992-01-01
Tiksi	TIXI	Sakha,Russia	71.6490N	128.8665E	50	
Tiksi	TIK	Sakha,Russia	71.6333N	128.8667E	41	
Tilbrook Grange	KTG1	England,United Kingdom	52.3264N	0.4019W	83	From 1988-01-01
Tilden	834A	Texas,U.S.A.	28.1251N	98.5519W	151	From 2009-12-21
Tilichiki	TILK	Kamchatskaya Oblast',Russia	60.4460N	166.1450E	25	From 2008-12-04
Tilichiki	TILR	Kamchatskaya Oblast',Russia	60.4310N	166.0560E	40	From 2005-05-02
Tillmans-Whites Bay	TWB	South Carolina,U.S.A.	33.1147N	80.1030W	9	From 1988-03-01
Timbaki Heraklio	TMBK	Crete,Greece	35.0722N	24.7660E	17	From 2006-03-01
Timbered Crater	LTIM	California,U.S.A.	41.1761N	121.4888W	1156	
Timberline	TIMB	Oregon,U.S.A.	45.3356N	121.7101W	1901	From 2006-09-29
Timber Mountain	TMBR	Nevada,U.S.A.	37.0354N	116.3853W	1788	From 1982-02-19 to 2002-10-10
Timber Mountain	TMN	Nevada,U.S.A.	37.0836N	116.4440W	2190	From 1975-10-01
Timber West Blakeney	TWBB	British Columbia,Canada	48.5846N	124.0920W	122	
Timber West Granite	TWGB	British Columbia,Canada	48.6076N	124.2559W	127	
Timber West Koksilah	TWKB	British Columbia,Canada	48.6449N	123.7332W	128	
Timber West San Juan	TSJB	British Columbia,Canada	48.6013N	123.9885W	378	
Timisoara	TIM	Romania	45.7366N	21.2208E	88	From 1943-01-01
Timmins Ontario	TIMO	Ontario,Canada	48.4659N	81.3032W	392	From 2005-07-25
Timpagrande	TIP	Italy	39.1786N	16.7583E	815	
Tinaroo	TINA	Queensland,Australia	17.1761S	145.5304E	767	
Tin City	TCY	Alaska,U.S.A.	65.5663N	167.9558W	72	
Tin City	TNA	Alaska,U.S.A.	65.5606N	167.9239W	74	From 1976-08-01
Tinemaha	TIN	California,U.S.A.	37.0550N	118.2280W	1195	From 1929-09-04
Tinghir	MTNG	Morocco	31.4160N	5.5560W	550	From 1993-04-10
Tinkers Knob	TNK	California,U.S.A.	39.2675N	120.2360W	2438	From 1973-04-01
Tin Mountain	TMO	California,U.S.A.	36.8048N	117.4035W	2170	From 1978-11-28
Tintock	TIWZ	North Island,New Zealand	40.7778S	175.8855E	559	From 2006-05-03
Tiouine	TIO	Morocco	30.9267N	7.2617W	1335	From 1969-01-01
Tipaza	ATPZ	Algeria	36.5300N	2.3100E	156	
Tipaza	ATIP	Algeria	36.8833N	2.5000E	0	
Tippipah	TP-	Nevada,U.S.A.	37.2003N	116.2260W	2256	From 1961-12-06 to 1961-12-16
Tippipah	TP-NV	Nevada,U.S.A.	37.2003N	116.2261W	2256	
Tiptonville	TIPT	Tennessee,U.S.A.	36.4238N	89.4861W	88	
Tiptonville	DY3	Tennessee,U.S.A.	36.4430N	89.5069W	87	From 1969-01-01 to 1972-12-31
Tiputa	TPT	Tuamotu,French Polynesia	14.9844S	147.6200W	3	
Tirane	TIR	Albania	41.3477N	19.8650E	247	From 1968-09-01
Tirgusor	TIRR	Romania	44.4581N	28.4128E	77	
Tishomingo	TO-OK	Oklahoma,U.S.A.	34.3564N	96.5681W	259	From 1961-11-20 to 1962-06-09
Tishomingo	TO-	Oklahoma,U.S.A.	34.3564N	96.5681W	259	From 1961-11-20 to 1962-06-09
Tissa	TIS	Morocco	31.8920N	6.5540W	1687	
Tito	TITE	Italy	40.5546N	15.6926E	660	
Tizayuca	VTVM	Mexico D.F.,Mexico	19.7702N	98.7745W	2450	From 2009-01-01
Tjoern	TJOU	Sweden	58.0320N	11.6250E	40	From 2006-10-24
Tkibuli	TKB	Georgia	42.3511N	42.9947E	603	From 1970-01-01
Tkibuli	TKI	Georgia	42.3500N	43.0000E	320	
tl_alroos	ROOS	Syria	34.1694N	37.2891E	843	From 2004-01-01
Tlapa	TPG	Guerrero,Mexico	17.5607N	98.5555W	1100	
Tlapa	TLIG	Guerrero,Mexico	17.5627N	98.5665W	1136	
Tlapaneco	HMTT	Guerrero,Mexico	17.7983N	98.5597W	902	From 2009-02-16
Tlaxiaco	TXO	Oaxaca,Mexico	17.2817N	97.6817W	2025	
Tlemcen	TEC	Algeria	34.8500N	1.2833W		
Tlemcen	OTLM	Algeria	34.8800N	1.3500W	801	
T-Link Ranch, Clifton	Z19A	Arizona,U.S.A.	33.2921N	109.2657W	1397	From 2007-04-03 to 2009-01-17
TMO PEDROTE	TIOV	Venezuela	10.4385N	66.4146W	830	From 2005-11-01
Tnine Yamani	TSY	Morocco	35.3728N	5.9700W		
Toaza	TOAZ	Ecuador	0.1790S	78.6155W	4200	
Tobago	TOB	Trinidad and Tobago	11.1410N	60.8410W	15	From 1977-05-01 to 1999-08-25
Tobarra	ETOB	Spain	38.6447N	1.5478W	855	
Tobermory, Bruce Peninsula National Park	TOBO	Ontario,Canada	45.2257N	81.5234W	169	
Tobishima	TBS	Akita,Japan	39.1920N	139.5560E	45	
Tobi-shima	TOBT	Akita,Japan	39.1900N	139.5500E	20	
Tobi-shima	JTB	Yamagata,Japan	39.1953N	139.5573E	50	
Tobruq	LTBQ	Libya	32.0557N	23.9210E	139	
Tocklai	TOC	Assam,India	26.7500N	94.7667E	87	
Toconce	TCN	Antofagasta,Chile	22.2750S	68.1717W	3300	
Tocopilla	TOCH	Antofagasta,Chile	22.0935S	70.2007W	45	From 2007-11-23
Tocopilla	TPL	Antofagasta,Chile	22.0978S	70.2094W	40	
Tocopilla	TCP	Antofagasta,Chile	22.1231S	70.2106W	10	
Tocota	PP05	Peru	15.6555S	74.0865W	1005	
Todenfeld	TDN	Nordrhein-Westfalen,Germany	50.5748N	6.9446E	350	From 1996-11-01
Todoroki	TDR	Wakayama,Japan	34.1597N	135.3070E	50	
Todzha	TDJR	Tyva,Russia	52.4000N	96.1000E	1000	
Tofino	TOFB	British Columbia,Canada	49.1543N	125.9078W	13	From 2009-02-14
Togane	TOG	Chiba,Japan	35.5500N	140.3670E	9	
Tokai 1	TK01	Shizuoka,Japan	33.7650N	137.5900E	-2202	From 1979-09-01
Tokai 2	TK02	Shizuoka,Japan	33.9467N	137.7570E	-1542	From 1979-09-01
Tokai 3	TK03	Shizuoka,Japan	34.1650N	137.9650E	-817	From 1979-09-01
Tokai 4	TK04	Shizuoka,Japan	34.3850N	137.8750E	-722	From 1979-09-01
Tokat	TOKA	Turkey	40.3232N	36.4783E	679	From 2007-12-10
Tokat	TOKT	Turkey	40.3203N	36.5448E	726	From 1996-01-30
Tokmak	BTOK	Turkey	39.7617N	28.0311E	407	From 2003-10-20
Tokmak	TTK	Turkey	39.7650N	28.0450E	430	From 1983-06-01 to 1987-01-31
Tokmak	TKMK	Kazakhstan	42.8601N	75.3184E	960	
Tokmak 2	TKM2	Kazakhstan	42.9208N	75.5966E	2020	
Tok Microwave	TMW	Alaska,U.S.A.	63.3245N	142.9970W	495	From 1986-01-01
Toktogul	TOKL	Kyrgyzstan	41.9400N	72.8700E	1097	From 2009-11-27
Tokunoshima	JTK	Ryukyu Islands,Japan	27.7857N	128.9505E	170	
Tokushima	TKS	Tokushima,Japan	34.0650N	134.5770E	2	
Tokushima 2	TKSJ	Tokushima,Japan	33.9833N	134.0480E	180	
Tokuyama	TKJD	Gifu,Japan	35.6919N	136.4777E	400	
Tokyo	TOK	Tokyo,Japan	35.6867N	139.7583E	-285	
Toledo	H02A	Oregon,U.S.A.	44.6764N	123.9997W	209	From 2005-11-15 to 2008-01-23
Toledo	TOL	Spain	39.8814N	4.0486W	480	From 1933-01-01 to 1992-10-31
Toledo	NE17	Spain	39.8814N	4.0486W	480	From 1933-01-01 to 1992-10-31
Toledo BPA CREST BB SMO	TOLO	Oregon,U.S.A.	44.6219N	123.9225W	21	From 2001-10-23
Toledo HGLP	TLO	Spain	39.8600N	4.0147W	465	From 1971-08-01 to 1978-09-17
Tolfa	TOLF	Italy	42.0641N	12.0002E	371	From 2002-10-01
Tolfa - RM	TO04	Italy	42.2044N	11.9393E	227	From 2008-04-11 to 2009-04-02
Tolfa - RM	TO01	Italy	42.1351N	11.9672E	203	From 2008-04-28 to 2009-04-02
Tolicha Peak	TI-NV	Nevada,U.S.A.	37.2853N	116.8669W	1524	
Tolicha Peak	TPK	Nevada,U.S.A.	37.2686N	116.8040W	2080	From 1979-06-11 to 1982-12-31
Tolima	TOLC	Colombia	4.5888N	75.3399W	2516	From 1994-01-01
Toli-Toli	TOLI	Sulawesi,Indonesia	1.1214N	120.7944E	86	From 2008-07-01
Tolley Road	TLZ	North Island,New Zealand	38.3294S	175.5380E	660	From 2009-05-07
Tolmezzo	TLM	Italy	46.4014N	13.0144E	322	
Tololo Astronomical Observatory	TLL	Coquimbo,Chile	30.1672S	70.8045W	2200	From 1970-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tolsona	TOA	Alaska,U.S.A.	62.1048N	146.1720W	909	From 1971-09-15 to 2004-08-19
Tolsta	RTO	Scotland,United Kingdom	58.3778N	6.2092W	74	From 1995-09-10
Toltan Ranch, Big Piney	K18A	Wyoming,U.S.A.	42.6372N	110.0417W	2129	From 2007-11-06 to 2009-05-15
Tolt Reservoir	TTW	Washington,U.S.A.	47.6944N	121.6901W	542	
Tolt Reservoir	C05A	Washington,U.S.A.	47.6947N	121.6895W	541	From 2005-11-29 to 2008-02-21
TOLUCA	TOVM	Mexico	19.2828N	99.6777W	2727	From 2009-06-16
Tomahawk	TM-	Wisconsin,U.S.A.	45.4919N	89.5031W	488	
Tomahawk	TM-WS	Wisconsin,U.S.A.	45.4919N	89.5031W	488	
Tomahawk Gully	TMP	South Island,New Zealand	44.3150S	170.1200E	720	From 1975-01-01 to 2003-08-15
Tomakomai	TMR	Iburi,Japan	42.6333N	141.5830E	8	
Tomales Bay	NTBM	California,U.S.A.	38.2478N	122.9310W	128	
Tomamai	TOI	Rumoi,Japan	44.2212N	141.6837E	40	
Tomar	PTOM	Portugal	39.6180N	8.4107W	210	
Tom, Dick, Harry Mountain	TDH	Oregon,U.S.A.	45.2898N	121.7900W	1541	From 1982-09-01
Tomie	TOM	Nagasaki,Japan	32.6083N	128.7650E	28	
Tonalea, Kykotsmovi	V17A	Arizona,U.S.A.	35.6218N	110.7938W	1596	From 2008-02-14 to 2009-02-06
TONANKAI O.B.S1	TTO1	Japan	33.6222N	136.7847E	-2068	From 2008-10-01
TONANKAI O.B.S2	TTO2	Japan	33.7347N	137.0272E	-2100	From 2008-10-01
TONANKAI O.B.S3	TTO3	Japan	33.8630N	137.3977E	-1000	From 2008-10-01
TONANKAI O.B.S4	TTO4	Japan	34.0080N	137.5382E	-1836	From 2008-10-01
TONANKAI O.B.S5	TTO5	Japan	34.2522N	137.7163E	-1019	From 2008-10-01
Tonantzintla	IIT	Puebla,Mexico	19.0210N	98.3080W	2205	
Tonasket	TK-WA	Washington,U.S.A.	48.7939N	119.5878W	549	From 1963-08-21 to 1964-05-17
Tonasket	TK-	Washington,U.S.A.	48.7939N	119.5878W	549	From 1963-08-21 to 1964-05-17
T'onet'i	TNTG	Georgia	41.6600N	44.4100E	120	
Tongareva I.	TG-	Cook Islands	9.0600S	158.0356W	3	From 1962-04-30 to 1962-11-04
Tongareva Island	TG-IS	Cook Islands	9.0600S	158.0356W	3	From 1962-04-30 to 1962-11-04
Tongariro	TON	North Island,New Zealand	39.2028S	175.5380E	1120	From 1952-10-01 to 1966-04-30
Tongatapu	TNGT	Tonga	21.1500S	175.1830W	10	
Tongue	OTO	Scotland,United Kingdom	58.4953N	4.3940W	338	From 1995-09-21
TONGYEONG	KSTOY	South Korea	34.8454N	128.4356E	32	From 2006-12-30
Tonnelnyy	TNL	Buryatiya,Russia	56.2800N	113.3600E	820	
Tonopah	TPH	Nevada,U.S.A.	38.0750N	117.2225W	1883	From 1961-09-01
Tonopah	TNP	Nevada,U.S.A.	38.0820N	117.2180W	1932	From 1963-10-11
Tonopah	R09A	Nevada,U.S.A.	38.2397N	117.0718W	1759	From 2006-06-10 to 2008-03-22
Tonopah	TPV	Nevada,U.S.A.	38.0658N	117.2280W	1890	From 1965-01-01 to 1970-12-31
Tonopah Range, Tonopah	S10A	Nevada,U.S.A.	37.9230N	116.5948W	1796	From 2007-01-22 to 2008-09-12
Tonto Forest Array	TFO	Arizona,U.S.A.	34.2678N	111.2700W	1492	From 1963-01-01 to 1975-03-31
Tonto Hills Observatory	THO	Arizona,U.S.A.	33.8753N	111.8740W	1134	From 1973-02-04 to 1974-07-31
Toogoolawah	WTGQ	Queensland,Australia	27.1458S	152.3330E	130	From 1977-03-18
Toolangi	TOO	Victoria,Australia	37.5714S	145.4910E	604	From 1962-01-01
Toone Canyon	TCUT	Utah,U.S.A.	41.1178N	111.4085W	2320	From 1989-08-01
Toowoomba	WOOM	Queensland,Australia	27.5441S	151.9720E	759	
Toowoomba 1 Hard	TW1H	Queensland,Australia	27.5442S	151.9720E	730	From 2009-01-01
Topalu	TLB	Romania	44.5858N	28.0420E	60	
Tophouse	THZ	South Island,New Zealand	41.7638S	172.9040E	760	From 1989-11-30
Topkok	TKK	Alaska,U.S.A.	64.5558N	163.9970W	122	
Topo	TOPO	Azores,Portugal	38.5910N	27.9190W	645	
Topolobampo	TPB	Sinaloa,Mexico	25.5967N	109.0530W	25	
Topolovo	TOP	Kamchatskaya Oblast',Russia	53.2300N	158.0410E	200	
Topopah Spring	TPNV	Nevada,U.S.A.	36.9488N	116.2490W	1600	From 1992-06-15
Toppenish Ridge	TRW	Washington,U.S.A.	46.2921N	120.5431W	723	From 1994-10-14
Toppo, Italy	TOPPO	Italy	46.1987N	12.8170E	258	From 2009-03-25
T or C	TC-	New Mexico,U.S.A.	33.1842N	107.4617W	1524	From 1961-12-20 to 1962-05-03
Torcal de Antequera, Malaga	E013	Spain	36.9641N	4.5340W	1221	From 2007-10-05 to 2009-06-23
Tordecillas	TORR	Spain	36.9723N	4.0743W	1321	
Torete	ETOR	Spain	40.8194N	2.0552W	1018	From 1988-03-01
Torino	TNO	Italy	45.0588N	7.6969E	260	From 1971-05-06
Tori shima	TOR	Bonin Islands,Japan	30.4817N	140.3050E	82	
TORKOZ	MTOR	Morocco	28.4948N	9.8487W	316	From 2010-01-01
Tornio	TOF	Finland	66.0799N	24.3246E	50	From 2011-01-27
Tornquist	TRQA	Argentina	38.0567S	61.9795W	501	
Torny/Romont	TORNY	Switzerland	46.7737N	6.9586E	758	From 2000-01-25
Torococo	TORV	Venezuela	9.5600N	70.2300W	1250	
Torodi Ar. Beam	TORD	Niger	13.1477N	1.6947E	214	
Torodi Ar. Site	TOA1	Niger	13.1529N	1.6919E	220	
Torodi Ar. Site	TOA3	Niger	13.1422N	1.6933E	216	
Torodi Ar. Site	TOA2	Niger	13.1477N	1.7004E	216	
Torodi Ar. Site	TOB1	Niger	13.1613N	1.6934E	231	
Torodi Ar. Site	TOA0	Niger	13.1477N	1.6947E	214	
Torodi Ar. Site	TOB2	Niger	13.1532N	1.7071E	216	
Torodi Ar. Site	TOB3	Niger	13.1376N	1.7042E	215	
Torodi Ar. Site	TOB4	Niger	13.1386N	1.6838E	226	
Torodi Ar. Site	TOB5	Niger	13.1536N	1.6806E	218	
Torodi Ar. Site	TOC1	Niger	13.1721N	1.7017E	233	
Torodi Ar. Site	TOC2	Niger	13.1568N	1.7204E	221	
Torodi Ar. Site	TOC3	Niger	13.1370N	1.7205E	214	
Torodi Ar. Site	TOC4	Niger	13.1216N	1.6994E	231	
Torodi Ar. Site	TOC5	Niger	13.1282N	1.6751E	231	
Torodi Ar. Site	TOC6	Niger	13.1483N	1.6655E	225	
Torodi Ar. Site	TOC7	Niger	13.1638N	1.6787E	224	
Toronto	TNT	Ontario,Canada	43.6667N	79.4000W	111	From 1897-01-01 to 1942-12-31
Toronto--Leslie Street Spit	TORO	Ontario,Canada	43.6136N	79.3433W	80	From 2004-05-04
Torre del Filo	ETFI	Sicily,Italy	37.7391N	14.9969E	2992	From 1994-10-01
Torre dell'Olmo (Gubbio) - PG	AT10	Italy	43.3196N	12.6942E	571	From 2010-04-20
Torres, Weston	T24A	Colorado,U.S.A.	37.0738N	105.0521W	2510	From 2008-06-27 to 2009-08-13
Torrevieja	EXTO	Spain	37.9920N	0.6890W	25	
Torrevieja, Alicante	E035	Spain	37.9950N	0.9356W	302	From 2008-04-25 to 2009-10-07
Torsby	TBY	Sweden	60.0790N	12.8300E	285	From 1978-01-01
Torshavn	FTO	Faeroe Islands	62.0199N	6.8274W		
Tortengo (Faido)	TONGO	Switzerland	46.4870N	8.7899E	864	From 2005-12-15
Tortola	TBVI	Virgin Islands	18.4167N	64.6167W	3	
Tortoreto Alta	TRTR	Italy	42.8081N	13.9138E	160	From 2006-11-15
Tortuguero	TRTC	Costa Rica	10.5753N	83.7135W	105	From 1996-01-01
Tory Channel	TCW	South Island,New Zealand	41.2133S	174.2760E	150	From 1977-03-28
Tosashimizu	JTO	Kochi,Japan	32.8597N	132.8022E	180	
Tosontsengel	TSC	Mongolia	48.7700N	98.2500E	1450	
Tosya	TOS	Turkey	41.0360N	34.0230E	1046	
TOTAH	TOTH	Syria	33.3613N	36.4283E	696	From 2004-01-01
Tottori	TOT	Tottori,Japan	35.4850N	134.2400E	18	
Tottori	TTT	Tottori,Japan	35.5147N	134.2378E	10	
Tottori	TOTJ	Tottori,Japan	35.4783N	134.2720E	27	From 1979-01-01
Toulon	O07A	Nevada,U.S.A.	40.1614N	118.8772W	1203	From 2006-03-01 to 2008-03-19
Toulx Ste Croix	TCF	Limousin,France	46.2881N	2.2100E	593	
Toumodi	TIC	Ivory Coast	6.6447N	5.0200W	263	From 1967-06-01
Tounfite	TNF	Morocco	32.5300N	5.3190W	2250	From 1993-01-01
Tounfite	TFT	Morocco	32.0580N	5.2670W	0	
Touzarine	TOU	Morocco	34.9620N	3.7540W	1126	From 1993-01-01
Tovanakuss	ETV	New Britain,Papua New Guinea	4.2062S	151.6677E	30	
Tower One	TOW	California,U.S.A.	35.8090N	117.7640W	684	
Townsend	TSTN	Tennessee,U.S.A.	35.6766N	83.7040W	341	
Townsville	TVL	Queensland,Australia	19.2617S	146.7680E	5	
Townsville Hrock	TV1	Queensland,Australia	19.2614S	146.7953E	123	
Townsville Softrock	TV2	Queensland,Australia	19.2921S	146.7833E	20	
Toyama	TOY	Toyama,Japan	36.7067N	137.2050E	10	
Toyohashi	TYH	Aichi,Japan	34.7626N	137.4701E	76	
Toyohira	JHT	Hiroshima,Japan	34.6625N	132.4210E	470	
Toyone	TYNN	Aichi,Japan	35.1329N	137.6696E	650	
Toyo'oka	TYK	Hyogo,Japan	35.5333N	134.8250E	4	
Toyota	JTY	Yamaguchi,Japan	34.2627N	131.0645E	120	
Trabzon	KTUT	Turkey	40.9870N	39.7667E	171	From 2006-08-17
Trabzon	TBZ	Turkey	40.9944N	39.7761E	57	From 1976-07-10 to 1999-08-25
Trabzon	MACK	Turkey	40.9432N	39.7686E	611	From 2005-08-06
Tracy	TY-MN	Minnesota,U.S.A.	44.3458N	95.5197W	351	
Tracy	TY-	Minnesota,U.S.A.	44.3458N	95.5197W	351	
Tradedollar Lake	TDL	Washington,U.S.A.	46.3508N	122.2160W	1400	
Trail	TRH	Hawaii,U.S.A.	19.4152N	155.5490W	3207	
Trail Creek	YTC	Wyoming,U.S.A.	44.2965N	110.2320W	2360	
Trail Mountain	TMUT	Utah,U.S.A.	39.2965N	111.2082W	2733	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tram Tau	TTVN	Vietnam	21.4720N	104.3570E	50	From 2003-01-01
Trang	TRTT	Thailand	7.8362N	99.6912E	71	
Tranquillity	TQTN	Tennessee,U.S.A.	35.5160N	84.7258W	260	
Tranquitos	TSA	Salta,Argentina	22.3889S	63.7753W	425	
Trapeza	TRAZ	Greece	38.1685N	22.2121E	668	From 2010-09-27
Trapper Creek	TRAP	Alaska,U.S.A.	62.3350N	150.2440W	127	
Trask Mountain	TKO	Oregon,U.S.A.	45.3713N	123.4540W	1024	From 1991-08-20
Traveller	TRWZ	North Island,New Zealand	41.3997S	175.6878E	344	From 2005-06-23
Traversella	TRAV	Italy	45.5127N	7.7470E	990	From 1996-01-01
Travnik	TRA	Bosnia and Herzegovina	44.2167N	17.6833E		
Trebinje	TREB	Bosnia and Herzegovina	42.7170N	18.3500E	300	From 2004-06-29
Trelew	TRWA	Chubut,Argentina	43.2652S	65.3773W	0	
Tremp	CTRE	Spain	42.3242N	0.7736E	1318	From 2006-07-01
Trente	TRE	Italy	39.2833N	16.3167E	534	
Tres Cuevas	TTX	Texas,U.S.A.	29.3164N	103.7180W	1006	
Tres Palos	PALV	Venezuela	10.4489N	71.6299W	1	
Tres Piedras	TD-NM	New Mexico,U.S.A.	36.6556N	106.1717W	2926	From 1963-08-22 to 1963-11-26
Tres Piedras	TD-	New Mexico,U.S.A.	36.6556N	106.1717W	2926	From 1963-08-22 to 1963-11-26
Tres Rios	TRRB	Rio de Janeiro,Brazil	22.1541S	43.1955W	222	
Trest	TREC	Czech Republic	49.2948N	15.4871E	559	From 2005-07-12
Tretes	TRT	Jawa,Indonesia	7.7040S	112.6350E		
Trevaresse	TREF	Provence-Cote d'Azur,France	43.6242N	5.3838E	460	
Treviso	TRV	Italy	45.6667N	12.1833E	14	
Trewern Hill	HTR	Wales,United Kingdom	52.0790N	3.2697W	329	From 1982-01-01
T'rialet'i	TRLG	Georgia	41.5500N	44.0150E	1550	
Triangle-X Ranch	TRXW	Wyoming,U.S.A.	43.7493N	110.5634W	2256	From 1986-01-01
Tribune	R28A	Kansas,U.S.A.	38.3423N	101.8106W	1108	From 2009-04-12
Trident Resrch Ctr	TRSC	South Carolina,U.S.A.	32.8718N	80.0336W	7	
Triemli, ZR	EWZT0	Switzerland	47.3670N	8.4964E	224	From 2009-10-10
Trieste	TRI	Italy	45.7089N	13.7642E	161	From 1963-07-29
Trieste	TTE	Italy	45.6460N	13.7620E	3	From 1989-01-01
Trieste (CM)	TRS	Italy	45.6428N	13.7539E	8	
Trifonti	TRIF	Italy	43.1148N	10.9026E	596	From 2010-05-17
Trigal station	BMAS	Ecuador	1.5028S	78.4793W	2953	From 2007-03-08
Trig B	TBC	South Island,New Zealand	45.1464S	169.3303E	619	
Trig L	TLC	South Island,New Zealand	45.1913S	169.0713E	1393	
Trims Highway	THY	Alaska,U.S.A.	63.4167N	145.7520W	732	From 1986-01-01
Trinidad	T25A	Colorado,U.S.A.	37.1388N	104.4108W	2017	From 2008-05-25
Trinidad (USA)	TDC	Colorado,U.S.A.	37.2536N	104.3350W	1750	From 1970-01-01 to 1972-11-30
Trinidad (USA)	TJC	Colorado,U.S.A.	37.2169N	104.6910W	2103	
Trinidad (W)	TRN	Trinidad and Tobago	10.6480N	61.4030W	24	From 1959-08-06
Trinity Center, CA	N02D	Oregon	40.9740N	122.7050W	937	From 2009-11-05
Trinity Mountain	TYI	Idaho,U.S.A.	43.6000N	115.4520W	2613	
Trinity Point	TPOR	Oregon,U.S.A.	45.0244N	117.0860W	2000	From 1991-09-01
Triple J Farms, Joplin	A17A	Montana,U.S.A.	48.9448N	110.6994W	973	From 2007-11-17 to 2009-08-16
Tripoli	LTRP	Libya	32.8447N	13.1633E	83	
Tripped Ranch	TPRS	California,U.S.A.	34.0888N	118.5870W	-1	From 1985-11-01
Tristan da Cunha	TRIS	Tristan da Cunha	37.0682S	12.3152W	55	
TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	TDC1	Tristan da Cunha	37.0900S	12.3319W	81	From 2005-03-24
Tristan de Cunha	TDC1	Tristan da Cunha	37.0716S	12.3096W		
Trivandrum	TRVM	Kerala,India	8.5080N	76.9585E	30	
Trivandrum	TRD	Kerala,India	8.5080N	76.9585E	64	From 1966-08-15
Trivento	TRIV	Italy	41.7666N	14.5502E	598	From 2005-03-17
Trizonia	TRIZ	Greece	38.3655N	22.0727E	57	
Trois Ilets	TRMF	Martinique	14.5363N	61.0512W	78	
Trois Rivieres	FBG	Guadeloupe	15.9797N	61.6478W	185	
Trois Rivieres	TVG	Guadeloupe	15.9797N	61.6478W	185	
Trojmez˘›	TRCW	Czech Republic	50.3032N	12.1448E	566	From 1991-01-01
Tromm	TOD	Hessen,Germany	49.6059N	8.8038E	568	From 1974-10-01
Tromso	TRO	Norway	69.6325N	18.9281E	15	From 1993-08-06
Trondheim	TBLU	Norway	63.2518N	10.2607E	232	From 2008-12-05
Trondheim	TRON	Norway	63.4545N	10.4363E	34	
Tropico Hills	TPO	California,U.S.A.	34.8788N	118.2280W	799	
Trosnyk	TRSU	Ukraine	48.0950N	22.9570E	120	From 1998-01-01
Trotters	TS-ND	North Dakota,U.S.A.	47.1069N	103.6731W	816	From 1964-10-02 to 1965-05-14
Trotters	TS-	North Dakota,U.S.A.	47.1069N	103.6731W	816	From 1964-10-02 to 1965-05-14
Trough	VTHM	Oregon,U.S.A.	45.1812N	120.5610W	773	
Trough Springs	GTSM	California,U.S.A.	39.3117N	122.6030W	1103	
Trout Butte	TCBU	Oregon,U.S.A.	44.2408N	122.6644W	1646	
Trout Creek	C12A	Montana,U.S.A.	47.7039N	115.4811W	782	From 2006-09-22 to 2006-12-03
Trout Creek Butte	VTCM	Oregon,U.S.A.	44.9137N	121.6660W	1690	
Trout Gulch Road	JTGM	California,U.S.A.	37.0285N	121.8777W	204	From 1975-10-02
Trout Lake	TT-MI	Michigan,U.S.A.	46.2097N	85.1678W	259	
Trout Lake	TT-	Michigan,U.S.A.	46.2097N	85.1678W	259	
Troy	TRY	New York,U.S.A.	42.7311N	73.6669W	131	From 1960-01-01
Troy Canyon	TRCR	Nevada,U.S.A.	38.3497N	115.5852W	1815	
Troy Canyon, Currant	R11A	Nevada,U.S.A.	38.3489N	115.5854W	1756	From 2007-02-09
Trozza	TROT	Tunisia	35.5617N	9.6002E	900	
Trudelj	TRUS	Serbia	44.2235N	20.4063E	340	From 2006-10-22
Trude Siding	YPTS	Idaho,U.S.A.	44.4623N	111.3525W	1926	
Truellikon	TRULL	Switzerland	47.6487N	8.6816E	525	From 2003-08-29
Trujillo	TRP	Peru	8.0780S	78.8610W		
Trujillo	TUV	Venezuela	9.3510N	70.4510W	0	
Truk	TRU	Caroline Islands,Micronesia	7.4458N	151.8560E	107	From 1949-03-01 to 1999-08-25
Truth or Consequences (T or C)	TC-NM	New Mexico,U.S.A.	33.1842N	107.4617W	1524	From 1961-12-20 to 1962-05-03
Tryon Peak	TRYN	North Carolina,U.S.A.	35.2460N	82.2670W	915	From 1983-03-22
Tsaile	TSL	Arizona,U.S.A.	36.3722N	109.2440W	2012	From 1975-05-22 to 1999-08-25
Tsaishi	ZSH	Georgia	42.4280N	41.8061E	45	From 1984-01-01
Tsauling	CHN5	Taiwan region	23.5970N	120.6780E	840	
Tsaushan	CHN4	Taiwan region	23.3510N	120.5930E	205	
Tschierv	STSP	Switzerland	46.6266N	10.3332E	1699	From 2006-08-16
Tsebel'da	TSE	Georgia	43.0167N	41.2833E	430	
Tsetserleg	TTS	Mongolia	47.4800N	101.4400E	1760	
Tsey	ZEI	Severo-Osetinskaya,Russia	42.7700N	43.8984E	2100	
Tsim Bei Tsui	THK	Hong Kong,China	22.4863N	114.0117E	4	
Tsina	TSIM	Alaska,U.S.A.	61.2262N	145.3370W	1113	
Tsipikan	ZIP	Buryatiya,Russia	54.9000N	113.3000E		
Tsirk	CIRR	Kamchatskaya Oblast',Russia	56.1153N	160.7481E	1420	
Tsit'eli Tsqaro	ZTZ	Georgia	41.4600N	46.1100E	800	
Tsokhamarg	TSOZ	Armenia	40.9500N	43.8670E	1970	
Tsu	TSU	Mie,Japan	34.7017N	136.5180E	4	
Tsu	TSU1	Mie,Japan	34.7300N	136.5233E	18	
Tsu 2	TSUJ	Mie,Japan	34.7097N	136.4193E	30	From 1988-03-19
Tsukechi	TKC	Gifu,Japan	35.6534N	137.4662E	690	
Tsukuba	TSK	Ibaraki,Japan	36.2108N	140.1100E	280	From 1966-04-01
Tsumeb	TSUM	Namibia	19.2022S	17.5838E	1240	From 1994-09-01
TSUMEB INFRASONIC ARRAY REFERENCE POINT	I35NA	Namibia	19.1913S	17.5768E	1253	From 2003-03-19
Tsuna	JAJ2	Hyogo,Japan	34.4192N	134.8850E	85	
Tsuna	TNAK	Hyogo,Japan	34.4180N	134.8849E	90	
Tsuno	JTSN	Miyazaki,Japan	32.2455N	131.5045E	130	From 1997-03-01
Tsuruga	TSR	Fukui,Japan	35.6500N	136.0650E	2	
Tsuruga	TSRJ	Fukui,Japan	35.5367N	135.9830E	47	From 1978-01-01
Tsurugi yama	TSS	Tokushima,Japan	34.0417N	134.1700E	57	
Tsushima	JTU	Nagasaki,Japan	34.5243N	129.3987E	70	
Tsuyama	TUY	Miyagi,Japan	38.3900N	141.2200E		
Ttatey	JTT	Toyama,Japan	36.6050N	137.3333E	236	
Tuai	TUA	North Island,New Zealand	38.8081S	177.1510E	274	From 1932-09-01 to 1988-03-09
Tual	TLE	Irian Jaya,Indonesia	5.6373S	132.7373E	113	
Tuamarina	TUWZ	South Island,New Zealand	41.4312S	173.9429E	107	From 2004-05-05
Tuan Giao	TGV	Vietnam	21.5898N	103.4182E	0	From 1996-01-01
Tuapeka	TUZ	South Island,New Zealand	45.9561S	169.6320E	110	From 1991-04-04
Tuba City	U16A	Arizona,U.S.A.	36.1428N	111.1297W	1544	From 2007-05-18 to 2009-02-08
Tubingen	TUB	Baden-Wurttemberg,Germany	48.5269N	9.0611E	330	From 1933-01-01 to 1971-12-31
Tubuai	TBI	Tubuai,French Polynesia	23.3489S	149.4608W	20	From 1976-01-01
Tuckaleechee Caverns	TKL	Tennessee,U.S.A.	35.6580N	83.7740W	350	From 1978-07-30
Tucker Farm, Meadow	Z28A	Texas,U.S.A.	33.2884N	102.3866W	1045	From 2009-01-27
Tucson	TUC	Arizona,U.S.A.	32.3098N	110.7847W	910	From 1962-12-17
Tucson Desert	TDM	Arizona,U.S.A.	32.2442N	111.1690W	866	From 1978-12-22
Tucson Observatory	TUO	Arizona,U.S.A.	32.2467N	110.8350W	770	From 1909-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tucson--Telemeter	TUT	Arizona,U.S.A.	32.3350N	110.7230W	1439	From 1958-01-05 to 1962-01-31
Tucuman	TCM	Tucuman,Argentina	26.8000S	65.2000W	475	
Tuebingen-Lennartz	TUBL	Baden-Wurttemberg,Germany	48.5227N	9.0829E	215	From 2002-11-01
Tuguegarao	TLP	Luzon,Philippines	17.6523N	121.7600E		
Tugumak	WTUG	Alaska,U.S.A.	54.8477N	164.3858W	457	
Tuhingamata	TUTZ	North Island,New Zealand	38.7117S	175.9910E	614	From 1986-01-01 to 1991-12-10
Tuis	TUI	Costa Rica	9.8417N	83.5573W	1300	From 1984-03-17
Tukino	TUVZ	North Island,New Zealand	39.2692S	175.6536E	1410	
Tuktoyaktuk	TUK	Northwest Territories,Canada	69.4400N	133.0280W	10	From 1980-12-02 to 1982-07-20
Tuktoyaktuk	TKT	Northwest Territories,Canada	69.4325N	132.9960W	3	From 1982-07-28 to 1984-07-11
Tulancingo	TLX	Hidalgo,Mexico	20.0375N	98.4361W	2250	
Tulbagh	TUH	Cape Province,South Africa	33.2967S	19.1500E	190	
Tulia	X29A	Texas,U.S.A.	34.4452N	101.7008W	1039	From 2009-01-23
Tulsa	TUL	Oklahoma,U.S.A.	35.9106N	95.7925W	261	From 1961-07-01
Tulsa	TUL1	Oklahoma,U.S.A.	35.9106N	95.7925W	244	From 2002-09-01
Tulsa	TSO	Oklahoma,U.S.A.	36.1482N	95.8979W	210	From 1973-02-01 to 1974-04-29
Tu Ly	TLV	Vietnam	20.8790N	105.2600E	80	From 2002-05-01
Tumaco	TUMC	Colombia	1.8355N	78.7256W	50	
Tumbaco	QUT	Ecuador	0.2022S	78.3922W	2345	
Tumrok	TUMR	Kamchatskaya Oblast',Russia	55.2830N	160.1460E	1213	From 2003-07-12
Tumrok D	TUMD	Kamchatskaya Oblast'	55.2031N	160.3990E	486	From 2011-03-18
Tumut Pond Dam	TPND	New South Wales,Australia	35.9630S	148.3900E	1205	
Tumwater	TUM	Washington,U.S.A.	47.0150N	122.9080W	20	From 1958-05-01
Tunceli	TNC	Turkey	39.1083N	39.5533E	1003	From 1973-09-14
Tunceli-Merkez	TNCL	Turkey	39.1146N	39.5422E	1192	From 2010-11-27
Tunduma	TDMT	,United Republic of Tanzania	9.2962S	32.7712E	1590	From 1992-06-17
Tunel del Cadi	CADI	Spain	42.3402N	1.8412E	1207	
Tungkwan	TUWA	Gansu,China	34.6167N	110.2833E	0	From 1955-01-01
Tungshih	TWQ	Taiwan region	24.2747N	120.8360E	443	From 1972-09-08
Tungsten Hills	MTUM	California,U.S.A.	37.3533N	118.5640W	1810	From 1984-12-15
Tungur	TUNR	Altayskiy Kray,Russia	50.1600N	86.3300E	850	
Tungurahua	TUNG	Ecuador	1.4182S	78.4455W	2774	From 1989-06-01 to 1992-12-30
Tungurahua volcano	BILB	Ecuador	1.4385S	78.4988W	2315	From 2006-08-18
Tungurahua Volcano	BPAT	Ecuador	1.5033S	78.4335W	3725	From 2007-08-01
Tungurahua Volcano	BRUN	Ecuador	1.4210S	78.4117W	2700	From 2007-07-01
Tungurcha	TUG	Amurskaya Oblast',Russia	57.2900N	121.5000E	345	
T'ung-yeun Feng	TYF	Shaanxi,China	34.5000N	109.0670E	365	
Tunis	TUN	Tunisia	36.8000N	10.1333E		
Tunkhannock	TU-PA	Pennsylvania,U.S.A.	41.5714N	76.1367W	366	From 1962-08-02 to 1962-10-05
Tunkhannock	TU-	Pennsylvania,U.S.A.	41.5714N	76.1367W	366	From 1962-08-02 to 1962-10-05
Tunnel	PIORA	Switzerland	46.5373N	8.7833E	817	From 2007-12-15
Tuntungan	TSI	Sumatera,Indonesia	3.5008N	98.5645E	0	From 1974-10-01
Tupik	TUP	Chitinskaya Oblast',Russia	54.4250N	119.9539E	650	
Tupiza	TPZ	Bolivia	21.4650S	65.7163W	2960	
Tura	TURI	Meghalaya,India	25.5500N	90.3333E	305	
TURA	TURA	Meghalaya	25.5168N	90.2242E	406	From 1975-06-01
Turbat	TUR	Kazakhstan	41.7333N	69.6500E		
Turbat	TURB	Pakistan	25.9800N	63.0100E	137	From 2007-11-10
Turgen	TGN	Kazakhstan	43.3070N	77.6370E	1510	
Turhal	TRHT	Turkey	40.3497N	36.1778E	1190	From 1992-01-01 to 1998-04-01
Turiamo	TURV	Venezuela	10.4500N	67.8400W	58	From 2002-11-14
Turkey Creek	TRK	South Carolina,U.S.A.	33.1222N	79.7778W	10	From 1980-06-25
Turkoglu	TRKT	Turkey	37.3860N	36.8580E	515	From 1998-03-01
Turnbull Canyon	TCC	California,U.S.A.	33.9945N	118.0130W	299	From 1976-11-01 to 1999-08-25
Turner	TRM	Maine,U.S.A.	44.2597N	70.2551W	113	From 1977-01-01 to 1999-01-31
Turner Farm, Oroville	A08A	Washington,U.S.A.	48.9534N	119.2725W	1089	From 2006-09-14 to 2008-05-17
Turnu Rosu	TNR	Romania	45.6520N	24.2730E	519	From 1989-07-01
Turnu Rosu	TUU	Romania	45.6525N	24.2731E	519	From 1988-06-15
Turoa	TRVZ	North Island,New Zealand	39.3003S	175.5481E	2084	From 2005-03-16
Turquoise Mountain, Baker	TUQ	California,U.S.A.	35.4358N	115.9239W	1350	From 2002-05-02
Turtle Beach	SKTB	St Kitts,Saint Kitts and Nevis	17.2087N	62.6171W	46	From 2003-02-10
Turtle Mountain	TMDA	Alberta,Canada	49.5811N	114.3992W	1541	
Turtle Mountains	TTM	California,U.S.A.	34.3353N	114.8280W	1098	From 1974-04-01
Turunc	TURN	Turkey	36.8729N	28.6029E	28	From 2007-05-21
Turuntaevo	TRTB	Buryatiya,Russia	52.2300N	107.6300E	600	From 1999-08-01
Tuscania	TU1	Italy	42.4186N	11.8744E	166	
Tuscan Springs	LTCM	California,U.S.A.	40.2083N	122.1240W	257	
Tuscarora	TUS	New York,U.S.A.	43.1800N	78.9592W	165	From 1971-06-01 to 1974-03-31
Tutak	TUTA	Turkey	39.4019N	42.8137E	2154	From 2006-09-13
Tuttle Creek Reservoir	TCK	Kansas,U.S.A.	39.3848N	96.7225W	376	From 1977-08-15 to 2001-07-15
Tuxedo	TXNY	New York,U.S.A.	41.1775N	74.1887W	143	From 1990-01-01
Tuxtla Gutierrez	TGBT	Chiapas,Mexico	16.7768N	93.0895W	0	From 2009-02-16
Tuyen-Quang	TQV	Vietnam	21.8283N	105.2080E	35	From 1975-07-27
Tuzandepetl	TUIG	Campeche,Mexico	18.0339N	94.4227W	100	
TV Hill, Hawthorne	TVH1	Nevada,U.S.A.	38.4574N	118.7658W	3136	
TV Kerman	TVBK	Iran	29.9860N	56.7612E	2886	From 2010-05-05
Twentynine Palms	TPC	California,U.S.A.	34.1058N	116.0490W	720	From 1972-05-05
Twentynine Palms	TN-CL	California,U.S.A.	34.1983N	115.9500W	533	From 1962-02-01 to 1962-05-03
Twin Buttes	YPTB	Wyoming,U.S.A.	44.5252N	110.8460W	2219	
Twin Lakes	TWL	California,U.S.A.	34.2783N	118.5940W	390	From 1971-11-01
Twin Peaks	TWN	California,U.S.A.	36.0527N	121.5070W	148	From 1973-12-17 to 1975-09-30
Twin Springs	TSV	Nevada,U.S.A.	38.2017N	116.1750W	1585	From 1965-01-01 to 1972-12-31
Twissleman Ranch	PTRM	California,U.S.A.	35.6547N	120.2110W	643	
Twist	TWAR	Arkansas,U.S.A.	35.3614N	90.5597W	61	
Two Rivers School, Snoqualmie Valley	SVTR	Washington,U.S.A.	47.4958N	121.7816W	146	From 2002-09-20
Tymovskoe	TYV	Sakhalinskaya Oblast',Russia	50.8630N	142.6560E	160	From 1969-01-01
Tynda	TNDR	Sakha,Russia	55.1470N	124.7210E	534	From 2001-06-20
Tyneside	TYNO	Ontario,Canada	43.0950N	79.8702W	205	From 1991-07-18
Tyrgan	TRG	Irkutskaya Oblast',Russia	52.7600N	106.3481E	718	
Tyson Valley	TYS	Missouri,U.S.A.	38.5268N	90.5660W	195	From 1974-02-19
Tytingvag	N2B1	Norway	61.9000N	5.0960E	75	
Tytingvag	N2B7	Norway	61.8990N	5.0940E	15	
Uakit	UKT	Buryatiya,Russia	55.4889N	113.6269E	1140	
U Bar Ranch, Lordsburg	120A	New Mexico,U.S.A.	32.5466N	108.6330W	1528	From 2008-02-02 to 2009-12-10
Ubbergen	NE37	Netherlands	51.8351N	5.9050E	30	
Ubonrachathani	UBT	Thailand	15.2456N	105.0183E		From 1993-12-01
Uccle	UCC	Belgium	50.7983N	4.3594E	105	
Uchkent	UKTR	Dagestan,Russia	43.1139N	47.0806E	120	
Uchtor	UCH	Kyrgyzstan	42.2275N	74.5134E	3850	
U. Connecticut	UCCT	Connecticut,U.S.A.	41.7943N	72.2255W	223	
Ucria	MUCR	Sicily	38.0429N	14.8738E	1036	From 2011-02-03
Udbina	UDBI	Croatia	44.5279N	15.7644E	807	From 2009-06-19
Uddeholm	UDD	Sweden	60.0900N	13.6067E	240	
Udhampur	UDP	Jammu and Kashmir,India	32.9017N	75.0800E		
Udine	UDN	Italy	46.0650N	13.2367E	100	From 1976-06-01 to 1978-12-31
Udine OGS	UDI	Italy	46.0650N	13.2367E	112	From 1977-06-24 to 1990-05-05
Ueberruh	UBR	Baden-Wurttemberg,Germany	47.6807N	10.1080E	890	From 1994-01-01
Ufa	UFA	Bashkortostan,Russia	54.8000N	56.0000E	0	
Ufford	KUF	England,United Kingdom	52.6175N	0.3894W	35	From 1988-01-01
Ugakei	UGK	Mie,Japan	35.0967N	136.4729E	290	
Ugak Island	UGI	Alaska,U.S.A.	57.3945N	152.2820W	213	
Ugashik Lake	UKL	Alaska,U.S.A.	57.4017N	156.8550W	410	From 1975-10-01 to 1999-08-25
Ugashik Lake	USL	Alaska,U.S.A.	57.3983N	157.0300W	500	
Uglegorsk	UGL	Sakhalinskaya Oblast',Russia	49.0780N	142.0660E	40	
Uglovaya	UGLR	Kamchatskaya Oblast',Russia	53.2089N	158.8239E	1140	
Ugurusu	URS	Kochi,Japan	33.5376N	133.4890E	25	From 1957-06-01
Uinta Basin Array	UBO	Utah,U.S.A.	40.3217N	109.5690W	1596	From 1970-04-01 to 1973-09-30
Uitikon, ZR	EWZT3	Switzerland	47.3758N	8.4551E	646	From 2009-08-27
Ujela	LUJL	Libya	29.1192N	21.3027E	95	
Uji	UJI	Kyoto,Japan	34.8666N	135.8269E	290	
Ujung Watu	UWJI	Jawa,Indonesia	6.4191S	110.9474E	62	From 2005-01-01
Ukalunda	UKAQ	Queensland,Australia	20.8976S	147.1274E	250	From 1984-03-28
Ukiah	UK-OR	Oregon,U.S.A.	45.0931N	118.8986W	1311	From 1963-02-08 to 1963-03-01
Ukiah	UKI	California,U.S.A.	39.1372N	123.2110W	199	From 1931-09-01
Ukiah	UK-	Oregon,U.S.A.	45.0931N	118.8986W	1311	From 1963-02-08 to 1963-03-01
Ulaanbaatar	ULN	Mongolia	47.8652N	107.0528E	1615	
Ulaangom	ULG	Mongolia	49.9600N	92.0600E	980	
Ulagan, Altay Republic, Russia	ULGR	Altayskiy Kray	50.6234N	87.9607E	1239	From 2002-07-28
Ulahol	ULHL	Kyrgyzstan	42.2456N	76.2417E	2040	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ulamona	ULO	New Britain,Papua New Guinea	5.0590S	151.3030E	980	From 1981-12-09
Ulamona	ULA	New Britain,Papua New Guinea	5.0064S	151.2560E	10	
Ulan Bator	OBM	Mongolia	47.9200N	106.9700E	1330	
Ulan-Yde	UUDB	Buryatiya,Russia	51.8670N	107.6630E	600	From 1996-02-01
Ulba	ULBA	Ecuador	1.4493S	78.4077W	2960	
Ulba Tungurahua	BBIL	Ecuador	1.4500S	78.4875W	2690	From 2008-07-01
Ulba Tungurahua	BULB	Ecuador	1.4372S	78.4097W	2989	From 2008-07-17
Ulcinj	ULC	Montenegro	41.9636N	19.2445E	504	From 1983-12-25
Uljin	KSULJ	South Korea	36.7021N	129.4084E	77	From 2000-12-18
ULJIN	UJN	South Korea	36.9918N	129.4129E	92	From 2007-11-29
Ulleungdo	KSULL	South Korea	37.4736N	130.9008E	218	From 1998-04-28
ULLUNGDO	UL1	South Korea	37.3193N	130.8778E	-2188	From 2006-12-30
Ulsan	KSULS	South Korea	35.5543N	129.3203E	34	From 2000-03-07
Ulsan	KSUSN	South Korea	35.7024N	129.1232E	238	From 2007-12-12
ULSEONG	KSEUS	South Korea	36.3519N	128.6870E	81	From 2000-11-21
Uludag	ULDT	Turkey	40.1422N	29.1361E	1734	From 1996-04-01
Ulysses	S29A	Kansas,U.S.A.	37.6199N	101.1180W	931	From 2009-04-11
Ulyunkhan	YLYR	Buryatiya,Russia	54.8761N	111.1617E	560	
Umaji	UMJ	Kochi,Japan	33.5462N	134.0470E	320	
Umak	AD2	Alaska,U.S.A.	51.9033N	176.0180W	381	From 1974-01-01 to 1992-02-01
Umberatana	UMB	South Australia,Australia	30.2400S	139.1281E	610	From 1967-06-01
Umea	UME	Sweden	63.8150N	20.2367E	16	From 1962-01-25 to 2004-12-23
Umeaa	UMAU	Sweden	63.8829N	20.6779E	20	From 2002-01-13
Umejima	UMJE	Yamanashi,Japan	35.1928N	138.4979E	250	
Umerkot	UMKT	Pakistan	25.3300N	69.7100E	29	From 2006-03-25
Umm Al-Rimmam	UMR	Kuwait	29.5519N	47.7158E	82	
Umm Al-Ruwaisat	RST	Kuwait	29.5003N	46.9972E	218	
Umm Lajj	UMJS	Saudi Arabia	25.2323N	37.3109E	250	
Umm Shaghir	ASHG	Egypt	23.2655N	31.6576E	326	
Umpang Tak	UMPA	Thailand	16.2057N	98.8603E	403	
Umpqua	J02A	Oregon,U.S.A.	43.3654N	123.5747W	136	From 2005-11-16 to 2007-11-29
Umpqua Community College DOGAMI SMO	UMPQ	Oregon,U.S.A.	43.2909N	123.3319W	162	From 2005-04-27
Umpqua National Forest, Toketee	J04A	Oregon,U.S.A.	43.2406N	122.1093W	1952	From 2006-10-31 to 2007-10-30
Umpqua National Forest, Toketee, OR	J04D	Oregon	43.2405N	122.1093W	1948	From 2009-10-09
Umtata	UMT	Cape Province,South Africa	31.5833S	28.7550E	800	From 1988-08-01 to 1999-08-25
Unac-Piva	UPM	Montenegro	43.2031N	18.9051E	1770	From 2003-07-11
Unalakleet	UNL	Alaska,U.S.A.	63.8933N	160.6870W	91	
Unalaska	UNA	Alaska,U.S.A.	53.8733N	166.5330W		From 1954-04-06 to 1956-09-10
Unalaska Valley	UNV	Alaska,U.S.A.	53.8465N	166.5020W	67	
Unciti	IUNC	Spain	42.7559N	1.4989W	766	From 2005-07-22
Uncukul	UNCR	Dagestan,Russia	42.7139N	46.7944E	650	
Underwood Farm, Alliance	L26A	Nebraska,U.S.A.	42.0367N	103.0795W	1248	From 2008-11-24
Undues	YUND	Spain	42.5768N	1.1331W	872	From 2010-05-01
Undu Point	UDU	Fiji	16.1521S	179.9880W	170	From 1981-11-01
Union Grove	UGRT	Tennessee,U.S.A.	35.6109N	84.1170W	302	From 1983-11-05
Union Juarez	MUX	Chiapas,Mexico	15.0790N	92.0740W		
Union Valley	UYO	Oklahoma,U.S.A.	34.1667N	94.4588W	231	From 1989-04-15
Unionville	UVN	Nevada,U.S.A.	40.4423N	118.1580W	1926	From 1964-09-13 to 1969-12-31
Unionville	UVN1	Nevada,U.S.A.	40.4500N	118.1500W	1870	
Univ. Columbia	EPMB	British Columbia,Canada	51.0633N	118.5400W	2150	
Univ de Panama	UPD1	Panama	8.5487N	78.0135W	74	
Univ. de Panama@15	UPA	Panama	8.9810N	79.5338W	41	From 1983-08-01
Universidad Complutense Madrid	UCM	Spain	40.3077N	3.2442W	600	From 2010-03-01
Universidad de Guanajuato	UGO	Jalisco,Mexico	21.0170N	101.2555W		
Universidad de la EARTH en Liberia	NY14	Costa Rica	10.6482N	85.5337W	72	
Universidad de los Andes	UAV	Venezuela	8.6100N	71.1450W	1600	From 1969-08-01
Universidad Nacional Autonoma de Honduras	UNAH	Honduras	14.0750N	87.1750W	1020	
Universidad Nacional Autonoma de Mexico	UNM	Mexico D.F.,Mexico	19.3290N	99.1780W	2257	From 1967-06-04
University, Bengkulu	UBSI	Sumatera	3.7611S	102.2714E	28	
University Campus, Patras University	UPR	Greece	38.2836N	21.7864E	140	From 2006-04-14
University New Hampshire, Durham	DUNH	New Hampshire	43.1370N	70.9350W	60	From 2011-05-04
University of Arizona	UOA	Arizona,U.S.A.	32.2331N	110.9530W	741	From 1972-04-01 to 1974-04-30
University of Arkansas, Little Rock	UALR	Arkansas,U.S.A.	34.7751N	92.3429W	138	
University of California, Santa Cruz	JUCM	California,U.S.A.	37.0012N	122.0485W	177	From 1975-01-29
University of California Stadium	CMSB	California,U.S.A.	37.8719N	122.2517W	-72	From 1995-01-01
University of Cincinnati	UOCO	Ohio,U.S.A.	39.1400N	84.5220W	226	
University of Connecticut	UCT	Connecticut,U.S.A.	41.8317N	72.2506W	149	
University of Iquique	UNAP	Chile	20.2439S	70.1404W	0	From 2009-05-14
University of Johannesburg	UNJO	South Africa	26.2635S	27.9207E	1683	From 2010-01-01
University of Jordan, Amman	UNJ	Jordan	32.0158N	35.8708E	1050	
University of Michigan	AAMC	Michigan,U.S.A.	42.2780N	83.7360W	250	
University of New Brunswick	UNB	New Brunswick,Canada	45.9462N	66.6442W	64	From 1971-04-01
University of Puget Sound	UPS	Washington,U.S.A.	47.2639N	122.4836W	113	
University of Richmond	URVA	Virginia,U.S.A.	37.5709N	77.5357W	49	
University of Southern California	USC	California,U.S.A.	34.0192N	118.2860W	17	From 1993-01-01
University of Southern Indiana	USIN	Indiana,U.S.A.	37.9651N	87.6660W	170	
University of Tennessee at Martin	UTMT	Tennessee,U.S.A.	36.3423N	88.8642W	120	
University of Tennessee at Martin	UTMA	Tennessee,U.S.A.	36.2930N	88.9760W	108	From 1985-11-01
University of Tennessee at Martin	UTM	Tennessee,U.S.A.	36.2900N	88.9410W	108	From 1982-08-12 to 1985-12-31
University of Toledo	UTLO	Ohio,U.S.A.	41.6590N	83.6180W	178	
University of Toledo	UTO	Ohio,U.S.A.	41.6619N	83.5743W	179	From 1977-12-20
University of Washington Friday Harbor	UWFH	Washington,U.S.A.	48.5459N	123.0132W	10	From 2001-08-02
University of Western Ontario	UWOO	Ontario,Canada	43.0110N	81.2724W	248	
University of Wisconsin at Milwaukee	UWM	Wisconsin,U.S.A.	43.0795N	87.8784W	204	
Unterbreizbach	UBBA	Hessen,Germany	50.8188N	10.0010E	-526	
Unzen dake	UNZ	Nagasaki,Japan	32.7400N	130.2650E	678	
Uoyan	YOA	Buryatiya,Russia	56.1328N	111.7239E	500	
Upernavik	UPNG	Greenland	72.7848N	56.1408W	110	
Upice	UPC	Czech Republic	50.5074N	16.0121E	416	
Upington	UPI	Cape Province,South Africa	28.3620S	21.2527E	845	From 1993-05-01
U. Pittsburgh - Allegheny Obs.	UPAO	Pennsylvania,U.S.A.	40.4821N	80.0216W	274	
Upper Baezaeko River	UBRB	British Columbia,Canada	52.8918N	124.0832W	1241	From 2007-10-16
Upper Bighouse, Forsinard	BIGH	Scotland,United Kingdom	58.4933N	3.9105W	70	From 2009-06-01
Upper Santa Misericordia	UMS	Luzon,Philippines	13.2480N	123.7320E	330	
Uppsala	UPP	Sweden	59.8583N	17.6267E	14	
'Uqlat as Suqur	UQSK	Saudi Arabia	25.7890N	42.3600E	950	From 1990-05-23
Ura	KV91	Miyazaki,Japan	32.0131N	130.8031E	308	
Urahoro	URH	Tokachi,Japan	42.9270N	143.6744E	120	
Urakawa	URA	Hidaka,Japan	42.1583N	142.7817E	30	
Urakawa 2	URAJ	Hidaka,Japan	42.2247N	142.7050E	40	From 1991-06-07
Urakawa 3	URA3	Hidaka,Japan	42.2428N	142.6672E	30	From 1993-12-10
Urakawa-nobuka	JNBK	Hidaka,Japan	42.2800N	142.7527E	115	From 2002-03-19
Urasca	URSC	Costa Rica	9.8350N	83.7782W	1500	
Ura-Tyube	URT	Tajikistan	39.9167N	69.0167E		From 1970-01-01
Uravakonda	URV	Andhra Pradesh,India	14.9469N	77.2597E	472	From 2008-10-01
Uravi	URAV	Georgia	42.6437N	43.2899E	869	From 2007-08-28
Ureshino	JUR	Nagasaki,Japan	33.0932N	129.9490E	160	
Urewera	URZ	North Island,New Zealand	38.2603S	177.1100E	100	From 1990-10-09
Urfa	URFA	Turkey	37.4410N	38.8213E	938	From 2004-12-02
Urgal	URG	Khabarovskiy Kray,Russia	51.0986N	132.3639E	0	
Urkarakh	URKR	Dagestan,Russia	42.1656N	47.6333E	1300	
Uruapan	URUA	Michoacan,Mexico	19.4217N	102.0740W	1680	From 2009-02-16
Urumqi	WMQ	Xinjiang Uygur Zizhiqu,China	43.8211N	87.6950E	897	
Usagre, Badajoz	E029	Spain	38.4397N	6.1831W	593	From 2007-09-07 to 2009-06-02
US Embassy, Port-au-Prince	NQUSE	Haiti	18.5640N	72.2482W	78	
Ushuaia	USHU	Tierra del Fuego,Argentina	54.8433S	68.5569W	12	
Ushuaia	USHA	Tierra del Fuego,Argentina	54.8319S	68.4333W	107	From 2003-12-19
USHUAIA INFRASONIC ARRAY REFERENCE POINT	I02AR	Tierra del Fuego	54.5806S	67.3092W	94	From 2006-05-04
Uspallata	AUSP	Mendoza,Argentina	32.2236S	69.3873W	2502	
Ussuriysk Array	USRK	Primorskiy Kray,Russia	44.2000N	132.0000E	0	
USSURIYSK INFRASONIC ARRAY REFERENCE POINT	I46RU	Primorskiy Kray	44.1999N	131.9773E	150	From 2008-11-10
Ussuryisk	USK	Primorskiy Kray,Russia	44.2833N	132.0831E	0	
Ust'-Elegest	UER	Tyva,Russia	51.5630N	94.0870E	660	
Ustica	USI	Sicily,Italy	38.7079N	13.1791E	285	
Ust'-Kan	UKR	Altayskiy Kray,Russia	50.9370N	84.7730E	1100	
Ust'-Maya	USMR	Sakha,Russia	60.4200N	134.5400E	170	
Ust'-Nera	UNR	Sakha,Russia	64.5700N	143.2283E	485	
Ust'-Nyukzha	USZ	Amurskaya Oblast',Russia	56.5617N	121.5917E	415	
Ust'-Omchug	USO	Magadanskaya Oblast',Russia	61.1500N	149.6333E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Usu Kazan Kan	UVO	Iburi,Japan	42.5569N	140.8457E	143	
Usuki	JUS	Oita,Japan	33.0657N	131.7507E	140	
Utah State Capitol	CAPU	Utah,U.S.A.	40.7785N	111.8900W	1384	
UT Block 9, Goldsmith	228A	Texas,U.S.A.	32.1180N	102.5918W	954	From 2009-02-10
Uthaitani	UTHA	Thailand	15.5586N	99.4451E	128	
Utowana Lake	UWL	New York,U.S.A.	43.8378N	74.5433W	561	From 1974-07-01 to 1981-12-31
Utrecht	NE05	Netherlands	52.0880N	5.1720E	2	From 1982-03-01 to 2001-08-21
Utsunomiya	UTS	Tochigi,Japan	36.5467N	139.8717E	120	
Utsunomiya	UTSU	Tochigi,Japan	36.5470N	139.9170E	110	From 1962-02-01
Uttaradit	UTTA	Thailand	17.7443N	100.5541E	62	
Utuhina	UTU	North Island,New Zealand	38.1775S	176.1920E	410	From 1986-07-01
Utxeti	IUSE	Spain	42.9469N	1.5478W	870	From 2005-07-22
Uvalde	632A	Texas,U.S.A.	29.5071N	99.7863W	420	From 2009-02-24
Uvira	UVI	Congo (Kinshasa)	3.4000S	29.1167E	950	From 1955-01-01
Uwa jima	UWA	Ehime,Japan	33.2250N	132.5580E	44	
Uwa jima 2	UWA2	Ehime,Japan	33.2137N	132.6245E	450	From 1993-02-01
Uwekahuna	UWE	Hawaii,U.S.A.	19.4233N	155.2930W	1240	From 1930-01-01
Uzd	UZD	Hungary	46.5925N	18.5818E	207	From 1987-01-01 to 1993-12-31
Uzhgorod	UZH	Ukraine	48.6310N	22.2930E	160	
Uzumlu	EUZM	Turkey	39.7072N	39.6976E	1250	From 2008-01-01
Uzumlu	UZU	Turkey	39.7086N	39.6981E	1500	
Uzuto	UZT	Hiroshima,Japan	34.5817N	133.1427E	230	
Vacheresse	OG01	Rhone-Alpes,France	46.3300N	6.6830E	1040	
Vacherie de Mantegas, la Bollene-Vesubie	MANF	France	43.9825N	7.3894E	1680	From 2010-08-17
Vackov	VAC	Czech Republic	50.2354N	12.3772E	530	From 2000-08-30
Vackovec	VACK	Czech Republic	50.1414N	12.4727E	457	
Vaenersborg	VANU	Sweden	58.4921N	12.0727E	50	From 2006-07-26
Vaermlandsnaes	NASU	Sweden	58.9278N	13.1862E	50	From 2006-05-10
Vaestervik	VSTU	Sweden	57.6600N	16.5363E	30	From 2002-05-04
Vaexsjoe	VXJU	Sweden	56.9212N	14.9391E	190	From 2002-10-23
Vagar	FVA	Faeroe Islands	62.0757N	7.3520W		
Vaihoa	VAH	Tuamotu,French Polynesia	15.2364S	147.6272W	2	
Vajont	VAJ	Italy	46.2667N	12.3300E	725	
Valandovo	VAY	Former Yugoslav Rep. of Macedonia	41.3211N	22.5701E	168	From 1969-01-01
Valbona	VALM	Italy	44.3490N	10.2472E	790	From 1999-03-01
Valcebollere	VALF	Languedoc-Rousillon,France	42.4018N	2.0173E	1580	From 1998-11-25
Valdeflores	VDF	Oaxaca,Mexico	16.7610N	96.8220W		
Val Des Bois	VABQ	Quebec	45.9047N	75.6079W	210	From 2010-11-29
Val-des-Bois,QC	VDBQ	Quebec,Canada	45.9277N	75.5697W	204	From 2010-06-24
Valdez	VLD	Alaska,U.S.A.	61.1175N	146.2640W	61	
Valdez	VLZ	Alaska,U.S.A.	61.1315N	146.3320W	10	From 1971-09-02
Valdez South	VZS	Alaska,U.S.A.	61.0442N	146.3050W	668	From 1972-07-22 to 1976-03-27
Valdez West	VZW	Alaska,U.S.A.	61.0590N	146.5540W	796	From 1972-07-17 to 1998-12-31
Valdichiascio	AA02	Italy	43.2655N	12.5751E	650	From 2011-02-08
Val di Lei	VDL	Switzerland	46.4832N	9.4496E	1927	From 1979-09-11
Valdivia	VLV	Valdivia,Chile	39.7900S	73.2764W	12	From 1967-08-01
Valdivia	VLCH	Valdivia,Chile	39.8060S	73.2460W	12	
Val d'Or	VLDQ	Quebec,Canada	48.1124N	77.4536W	93	
Val d'Or	VDQ	Quebec,Canada	48.2300N	77.9717W	305	From 1980-12-09
Val d'Or	VALQ	Quebec,Canada	48.1290N	77.5610W	245	
Valea Ierii	VLR	Romania	46.6542N	23.3547E	1080	From 1982-09-01 to 1989-01-01
Valencia Peak Digital	VPDC	California,U.S.A.	35.2399N	120.8690W	435	
Valentia	VAL	Ireland	51.9394N	10.2442W	14	From 1962-10-23
Valguarnera	VAE	Sicily,Italy	37.4783N	14.4119E	690	
Valinhos	VAO	Sao Paulo,Brazil	23.0022S	46.9658W	840	
Valkenburg	VKB	Netherlands	50.8669N	5.7847E	90	From 1996-09-10
Valkenburg	NE15	Netherlands	50.8670N	5.7850E	100	From 1984-06-01 to 2001-07-28
Valle Agricola	VAGA	Italy	41.4154N	14.2342E	795	From 2005-03-15
Valle Caidos	NE12	Spain	40.6420N	4.1550W	1280	From 1983-05-01 to 1985-02-28
Vallecito	CVLM	California,U.S.A.	37.6263N	121.8360W	245	From 1979-11-14
Valle de Chalco	VCVM	Mexico D.F.,Mexico	19.2980N	98.9545W	2224	From 2008-02-07
Valle de Guanape	GUAN	Venezuela	9.9575N	65.6478W	1107	From 1984-01-01
Valle D.L. Mare	JVM	Channel Islands,United Kingdom	49.2169N	2.2068W	64	From 1981-01-01
Valle d'Ocre (Ocre)	T0105	Italy	42.3109N	13.4629E	685	From 2009-04-08 to 2009-11-26
Valle Fertil	AVFE	La Rioja,Argentina	30.6598S	67.4548W	868	
Vallenar	VACH	Coquimbo,Chile	28.5755S	70.7588W	410	
Valley Desolation	DVDT	Dominica	15.3104N	61.3134W	960	
Valley Falls	K06A	Oregon,U.S.A.	42.7991N	120.2510W	1340	From 2006-01-29 to 2007-11-03
Valley of Fire, Overton	U12A	Nevada,U.S.A.	36.4321N	114.5388W	644	From 2006-06-21 to 2008-10-11
Valley Road Site	AVRM	California,U.S.A.	39.0248N	121.2680W	91	From 1976-07-15
Valley View	GVV	California,U.S.A.	39.7751N	122.6755W	1457	
Valmikinagar	VLK	India	27.3167N	83.8667E		
Valparaiso	UTF	Valparaiso,Chile	33.0350S	71.6042W	50	
Valparaiso	VLP	Valparaiso,Chile	33.0258S	71.6411W	88	From 1973-01-01
Valsamata	VLS	Greece	38.1772N	20.5897E	375	
Valverde	VVD	Canary Islands,Spain	27.8074N	17.9112W	540	From 1973-09-01 to 1985-02-28
Valverde	CVVD	Canary Islands,Spain	27.8208N	17.9361W	450	From 1985-02-01 to 1993-10-31
Valverde	EVAL	Spain	37.5842N	6.7475W	295	From 1985-03-01
Vamos	VAM	Crete,Greece	35.4069N	24.1997E	225	
Van	VANT	Turkey	38.4210N	43.2653E	1750	From 1994-01-22
Van	VANB	Turkey	38.5950N	43.3890E	1227	
Van	VNT	Turkey	38.5169N	43.3844E	1804	From 1979-12-01 to 1999-08-25
Van	TVAN	Turkey	38.5286N	43.4061E	2008	From 2001-10-18
Vanadzor	VANZ	Armenia	40.7910N	44.5280E	1200	
Vanand	VNNZ	Armenia	40.1030N	43.8230E	1020	
Vanda	VNDA	Victoria Land	77.5172S	161.8528E	121	From 1986-12-04
Vanda	VND	Victoria Land	77.5239S	161.6720E	150	From 1969-01-12 to 1971-02-01
Vandellos 2	VAN2	Spain	40.9531N	0.8266E	180	
Vanderhoof	SULB	British Columbia,Canada	53.2786N	124.3576W	1171	From 2006-09-05
Van Goodin Ranch	OGOM	California,U.S.A.	39.6537N	121.6120W	158	From 1976-12-28
Van Hill	VHTN	Tennessee,U.S.A.	36.3990N	82.8021W	630	From 1986-01-14
Vanikum	BA16	Nordrhein-Westfalen,Germany	51.0301N	6.6616E	81	From 2006-10-01
Van Inlet	VIB	British Columbia,Canada	53.2522N	132.5410W	1008	From 1985-09-01
VAN INLET T-PHASE SITE N1	H02N1	British Columbia	53.2519N	132.5419W	989	From 2006-11-20
Van-Muradiye	VMUR	Turkey	38.9894N	43.5716E	1717	From 2010-11-29
Vannovskaya	VAN	Turkmenistan	37.9480N	58.1080E	580	
Vantage	VTG	Washington,U.S.A.	46.9579N	119.9885W	208	From 1970-07-01 to 2009-04-05
Vantage 2	VT2	Washington,U.S.A.	46.9672N	120.0003W	385	
Vanua Lava	VLN	Vanuatu	13.8867S	167.5420E	18	From 1975-11-20
Vaqueiros	PVAQ	Portugal	37.4037N	7.7173W	193	From 2006-12-23
Varamin	IVRN	Iran	34.9954N	51.7273E	855	From 1996-01-01
Varanasi	VAR	Uttar Pradesh,India	25.3000N	83.0167E	88	
Vardanashen	VRNZ	Armenia	40.0490N	44.1910E	841	
Vardenis	VADZ	Armenia	40.1720N	45.7450E	2000	From 1983-01-01
Vardenis	VRD	Armenia	40.2200N	45.7000E	1930	
Vardenisi	VAD	Georgia	40.1900N	45.7300E	530	
Vardzia	VRZG	Georgia	41.3745N	43.2721E	1260	From 2003-01-01
Varese	VARE	Italy	45.8677N	8.7700E	1219	From 2009-10-07
Varese	VAI	Italy	45.8674N	8.7684E	1150	
Varian Well	VARB	California,U.S.A.	35.9261N	120.4471W	-61	
Varmlds Nysat	VNY	Sweden	59.4040N	12.4820E	229	From 1980-01-01 to 1991-12-31
Varnville	VRN	South Carolina,U.S.A.	33.0375N	80.9417W	30	From 1979-10-15
Varnville	VSC	South Carolina,U.S.A.	32.8792N	81.0500W	30	From 1974-05-20 to 1979-10-15
Varrio	VRF	Finland	67.7480N	29.6090E	350	From 2007-10-01
Varto	VRT	Turkey	39.1310N	41.5290E	1930	
Varto-Mus	VRTB	Turkey	39.1603N	41.4558E	1500	From 2008-11-20
Vashon High School SMO	VVHS	Washington,U.S.A.	47.4235N	122.4549W	95	From 2001-09-20
Vassijaure	VAS	Sweden	68.4167N	18.1833E	469	
Vassouras	VASS	Rio de Janeiro,Brazil	22.3994S	43.6522W	448	From 1988-01-01
Vasula	VSU	Estonia	58.4620N	26.7347E	63	
Vatnsfell	IVAT	Iceland	64.1870N	18.9180W	573	From 1998-04-20
Vatovaky	VTY	Madagascar	19.0759S	47.5386E	1423	From 1973-01-01
Vava'u	VAVA	Tonga	18.6640S	173.9770W	5	
Vaz, Muldain	SVAM	Switzerland	46.6934N	9.5260E	1273	From 1991-11-23
Veano	VEA	Italy	44.8893N	9.6190E	0	From 1982-01-01 to 2004-12-31
Veberod	VEB	Sweden	55.5990N	13.5160E	116	From 1980-01-01 to 1991-12-31
Vedder Mountain	VDB	British Columbia,Canada	49.0261N	122.1030W	404	From 1983-01-04
Vedriano (Canossa) - RE	RE03	Italy	44.5240N	10.3938E	545	From 2008-12-28 to 2009-02-12
Vega	W28A	Texas,U.S.A.	35.2574N	102.2063W	1156	From 2009-01-20

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Veis	IVIS	Iran	34.5264N	46.8496E	1135	From 2004-01-01
Velasquez	VLG	Guatemala	14.2405N	91.0077W	212	From 1980-07-01 to 1987-11-30
Velbert-Hespertal	HES	Germany	51.3670N	7.0420E	127	From 2008-10-01
Velez Rubio	VELZ	Spain	37.5838N	1.9880W	1000	
Veliai	VLI	Greece	36.7182N	22.9370E	220	From 1989-06-01
Velka Javorina	JAVC	Czech Republic	48.8591N	17.6707E	827	
Vena	EVNA	Sicily,Italy	37.7958N	15.1402E	700	From 1994-10-01
Venator	VT-	Oregon,U.S.A.	43.1136N	118.4147W	1341	From 1962-01-16 to 1962-05-21
Venator	VT-OR	Oregon,U.S.A.	43.1136N	118.4147W	1341	From 1962-01-16 to 1962-05-21
Venebrugge	VBG	Netherlands	52.5447N	6.6704E	11	
Venebrugge (Bruchterveld)	VBG1	Netherlands	52.5440N	6.6693E	-31	From 2010-09-01
Venebrugge (Bruchterveld)	VBG2	Netherlands	52.5440N	6.6693E	-81	From 2010-09-01
Venebrugge (Bruchterveld)	VBG3	Netherlands	52.5440N	6.6693E	-131	From 2010-09-01
Venebrugge (Bruchterveld)	VBG4	Netherlands	52.5440N	6.6693E	-181	From 2010-09-01
Veniaminof	BPBCA	Alaska,U.S.A.	56.5897N	158.4526W	584	
Veniaminof 1	VNHG	Alaska,U.S.A.	56.2211N	159.1642W	966	
Veniaminof 2	VNFG	Alaska,U.S.A.	56.2857N	159.5511W	1068	
Veniaminof 3	VNNF	Alaska,U.S.A.	56.2837N	159.3160W	1153	
Veniaminof 5	VNKR	Alaska,U.S.A.	56.0312N	159.3678W	620	
Veniaminof 6	VNSG	Alaska,U.S.A.	56.1258N	159.0854W	761	
Veniaminof 7	VNSW	Alaska,U.S.A.	56.0719N	159.5585W	716	
Veniaminof 8	VNWF	Alaska,U.S.A.	56.1517N	159.5622W	1095	
Veniaminof 8	VNSS	Alaska,U.S.A.	56.2267N	159.4548W	1733	
Venice	VEN	Italy	45.4333N	12.3333E	1	
Ventotene	VENT	Italy	40.7947N	13.4217E	110	
Vera	EXVE	Spain	37.2420N	1.8570W	89	
Veracruz	POHV	Veracruz,Mexico	19.0688N	97.2803W	4150	From 1999-01-01
Veracruz	LIMM	Veracruz,Mexico	19.6803N	96.5281W	200	
Veracruz	VER	Nicaragua	12.0897N	86.1712W	140	From 1977-01-01 to 1983-12-31
Veracruz	VCM	Veracruz,Mexico	19.2006N	96.1378W	3	
Veracruz	VEX	Baja California,Mexico	32.3612N	115.1050W		From 1981-10-21 to 1987-04-10
Veracruz	CAMM	Veracruz,Mexico	19.5880N	96.4600W	190	
Veracruz	MANM	Veracruz,Mexico	19.5900N	96.4167W	2	
Veracruz	LVMM	Veracruz,Mexico	19.6014N	96.3955W	160	
Veracruz	FARM	Veracruz,Mexico	19.6260N	96.3930W		
Vera Road	VRZ	North Island,New Zealand	39.1261S	174.7582E	182	From 2003-11-26
Verde Repeater	VRDI	Alaska,U.S.A.	61.2280N	143.4524W	1880	
Verdi Peak	VPK	California,U.S.A.	39.4747N	120.0370W	2469	
Verghereto (FC)	PR01	Italy	43.8481N	12.0606E	627	From 2011-05-25
Veris	VERG	Georgia	41.7097N	44.7893E	420	From 2003-01-01
Veris	VRZT	Georgia	41.7094N	44.7886E	450	From 2003-01-01
Verkhnyaya Baza	VEH	Kemerovskaya Oblast',Russia	53.2530N	90.3180E	1200	
Vern	NYV	Nevada,U.S.A.	37.1128N	115.9900W	1442	From 1971-01-01 to 1973-01-31
Vernal	VNL	Utah,U.S.A.	40.4581N	109.5482W	1648	From 2005-10-25
Vernal	VN-	Utah,U.S.A.	40.5086N	109.5792W	1768	From 1961-10-20 to 1962-06-01
Vernal	VN-UT	Utah,U.S.A.	40.5086N	109.5792W	1768	From 1961-10-20 to 1962-06-01
Vernal	VLU	Utah,U.S.A.	40.4464N	109.5150W	1605	
Vernal Corners	VCS	New York,U.S.A.	42.8578N	78.1997W	488	
Verneugheol	VERF	Limousin,France	45.7495N	2.4838E	776	
Verrico (Montereale)	RM29	Italy	42.5606N	13.2023E	1276	From 2009-09-25 to 2010-03-03
Veseth Ranch, Zortman	C20A	Montana,U.S.A.	47.7133N	108.0042W	781	From 2008-08-24 to 2011-01-13
Vestal, Richgrove	VES	California,U.S.A.	35.8409N	119.0847W	154	From 2004-04-01
Vestmannaeyjar	IVES	Iceland	63.4430N	20.2870W	55	From 2000-12-29
Vesuviano	OV1	Italy	40.8267N	14.3978E	606	From 1974-12-01
Vesuviano	OVO	Italy	40.8267N	14.3978E	606	From 1974-12-01
Vesuvio Array Permanente	VARP	Italy	40.8164N	14.4098E	661	From 2009-02-09
Vesuvio Bunker Nord	VBKN	Italy	40.8300N	14.4299E	951	From 2009-05-11
Vesuvio Cratere Est	VCRE	Italy	40.8190N	14.4314E	1125	From 2008-10-15
Vesuvio Tirone	VTIR	Italy	40.8059N	14.4243E	608	From 2009-06-19
Vesuvio Valle Del Gigante	VVDG	Italy	40.8356N	14.4238E	879	From 2009-09-07
Veterans Administration Hospital	CVAL	California,U.S.A.	37.6183N	121.7582W	201	From 1981-02-10
Vettahaugen	N1R1	Norway	66.2070N	13.7410E	690	
Vezirkopru	VEZ	Turkey	41.1305N	35.4627E	387	From 1976-09-01
Vialonga--Serves	PSRV	Portugal	38.8932N	9.0896W	345	
Vianden	LVIA	Luxembourg	49.9351N	6.2025E	252	From 1990-06-27
Vianos	EVIA	Spain	38.6386N	2.5025W	1110	From 1985-11-01
Vicchio	VMG	Italy	43.9617N	11.5439E	450	
Vickery Place, Crowley	135A	Texas,U.S.A.	32.5573N	97.4099W	270	From 2009-11-13
Vicksburg	VBMS	Mississippi,U.S.A.	32.2185N	90.5177W	16	
Victor	E13A	Montana,U.S.A.	46.4423N	114.1880W	1257	From 2006-10-11 to 2009-06-11
Victor	VCMT	Montana,U.S.A.	46.4425N	114.1872W	1254	
Victoria	VIC	British Columbia,Canada	48.5194N	123.4150W	197	From 1898-01-01 to 1978-03-29
Victoria	VCT	Romania	45.7250N	24.7010E	565	From 1989-04-01
Victor Mine	VIMO	Ontario,Canada	52.8173N	83.7449W	78	
Victorville	VTV	California,U.S.A.	34.5606N	117.3296W	812	From 1993-04-16
Vida	C22A	Montana,U.S.A.	47.7456N	105.8841W	745	From 2008-09-07 to 2011-01-13
Vidor	540A	Texas,U.S.A.	30.2093N	93.9796W	10	From 2010-05-23
Vielha	VIH	Spain	42.6288N	0.7700E	1700	From 1986-01-01 to 2003-12-31
Vielle Casse Police Station	DVCT	Dominica	15.6144N	61.4061W	0	From 2004-09-18
Vienna	VIE	Austria	48.2483N	16.3617E	198	
Vienna	VKA	Austria	48.2650N	16.3183E	400	
Vieques	VQS	Puerto Rico	18.1467N	65.4483W	20	From 1903-09-01 to 1924-12-31
Viesci	RM23	Italy	42.5797N	13.0316E	942	From 2009-04-10 to 2009-06-18
Vieux Emosson	EMV	Switzerland	46.0632N	6.8988E	2210	From 1981-11-18
Viey	VIEF	Midi-Pyrenees,France	42.8837N	0.0237E	1000	From 1996-10-24
Viggiano	VIGE	Italy	40.3353N	15.9000E	800	
Vijayawada	VJD	Andhra Pradesh,India	16.5167N	80.6500E		
Vik	VIK	Iceland	63.4217N	19.1000W	19	
Vikbolandet	VIKU	Sweden	58.5017N	16.6992E	100	From 2002-02-05
Vila Bisbo	PFVI	Portugal	37.1328N	8.8268W	189	From 1996-01-01
Vilada	VILA	Spain	42.1363N	1.8913E	400	
Vila Franca	VIF	Azores,Portugal	37.7448N	25.4397W	647	From 1981-01-01
Vila Nova	PVNV	Azores,Portugal	38.7619N	27.1559W	150	From 2003-03-01
Vila Real	PVRL	Portugal	41.2756N	7.7161W	660	From 1995-06-01
Vilia, Western Attica	VIL1	Greece	38.1650N	23.3268E	532	From 2008-11-27
Villa Celiera	VCEL	Italy	42.3946N	13.8406E	1185	From 2004-05-11
Villacollemandina	VLC	Italy	44.1594N	10.3864E	555	
Villa de Garcia	VNM	Nuevo Leon,Mexico	25.8433N	100.5942W		From 1989-12-01
Villa del Rosario	VIRV	Venezuela	10.5030N	72.4060W	157	From 2001-08-31
Villa di Villa	VVI	Italy	45.9819N	12.4281E	100	From 1987-06-10
Villa El Salvador	PP09	Peru	12.2133S	76.9367W	100	
Villa Florida	CPUP	Paraguay	26.3306S	57.3292W	5	From 1994-07-21
VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	LPRY	Paraguay	26.3423S	57.3119W	164	From 2003-03-19
Villa Grajales	VGM	Puebla,Mexico	19.2500N	97.7833W		
Villa Maderas	MADN	Nicaragua	11.4083N	85.5333W	50	
Villa Marinero	VMO	Oaxaca,Mexico	15.8512N	97.0638W	3	
Villa Mercy	VIL	Maryland,U.S.A.	39.0209N	77.1887W		
Villanova	VINO	Italy	46.2564N	13.2814E	608	
Villa Park Dam	VPD	California,U.S.A.	33.8160N	117.7620W	183	From 1971-06-07
Villaroger	OG12	Rhone-Alpes,France	45.5375N	6.9053E	1550	From 1993-11-12
Villasalto	VSL	Sardinia,Italy	39.4960N	9.3780E	370	
Villa Vallelonga	VVLD	Italy	41.8710N	13.6220E	1005	
Villaviciosa de Cordoba, Cordoba	E021	Spain	38.0057N	4.9163W	609	From 2007-09-15 to 2009-06-17
Villefranche	VDCF	Languedoc-Rousillon,France	42.5908N	2.3656E	600	From 1989-01-01 to 1999-07-13
Ville Marie	VMC	Quebec,Canada	47.3167N	79.4500W		
Villemus	VILF	Provence-Cote d'Azur,France	43.8525N	5.7153E	770	
Villeneuve d'Entraunes	OG30	Rhone-Alpes,France	44.1095N	6.7775E	1350	From 1992-01-08
Villia	VILL	Greece	38.1642N	23.3122E	650	From 2009-10-12
Villiers-Adam	VDM	Ile-de-France,France	49.0743N	2.2318E	70	From 1983-11-01
Villiers-Adam	NE07	Ile-de-France,France	49.0743N	2.2318E	70	From 1983-11-01
Vimmerby	VIM	Sweden	57.7880N	16.0020E	151	From 1980-01-01
Vinca	VINC	Italy	44.1412N	10.1522E	737	From 1994-04-01 to 1999-12-31
Vinchina	VCA	La Rioja,Argentina	28.7363S	68.2056W	1500	From 1973-04-01
Vineyard	VIN	California,U.S.A.	36.7500N	121.3850W	330	From 1959-02-03 to 1966-03-09
Vineyard	BVYM	California,U.S.A.	36.7493N	121.4130W	585	From 1975-12-11
Vineyard Canyon	VCAB	California,U.S.A.	35.9216N	120.5339W	555	
Vineyard--Telemeter	VIT	California,U.S.A.	36.7500N	121.3880W	360	From 1961-05-31 to 1965-02-10
Vinh	VIV	Vietnam	18.5475N	105.7000E	5	
Vinh Tuy	VTVB	Vietnam	22.2527N	104.8987E	71	From 2008-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Vinica-Bojanci	VBY	Slovenia	45.5045N	15.2566E	259	From 1986-10-30
Vinton	VO-IO	Iowa,U.S.A.	42.2250N	92.1269W	274	From 1964-09-01 to 1965-03-22
Vinton	VO-	Iowa,U.S.A.	42.2250N	92.1269W	274	From 1964-09-01 to 1965-03-22
Virac	PVCP	Luzon,Philippines	13.5960N	124.1540E	50	
Virgin Gorda	VGVI	Virgin Islands	18.4400N	64.4300W	20	From 2001-12-10 to 2003-04-01
Virgin Gorda Peak	GPV	Virgin Islands	18.4918N	64.4035W		
Virginia	VIR	Orange Free State,South Africa	28.0800S	26.8633E	1341	
Virginia Beach	VBV	Virginia,U.S.A.	36.7853N	76.1080W	5	
Virginia Peak	VIP	Nevada,U.S.A.	39.7540N	119.4610W	2499	
Virginia Western Community College	VWCC	Virginia,U.S.A.	37.2459N	79.9776W	361	
Virojoki	VJF	Finland	60.5388N	27.5550E	34	From 2003-05-26
Vis@19nje	VISS	Slovenia	45.8033N	14.8393E	403	From 2004-03-01
Visale	VSG	Solomon Islands,Papua New Guinea	9.2528S	159.7130E	330	From 1983-12-22
Viseu	PVIS	Portugal	40.7157N	7.8945W	720	From 1995-06-01
Vishakhapatnam	VIS	Andhra Pradesh,India	17.7210N	83.3287E	82	From 1962-01-01
Vishakhapatnam	VISK	Andhra Pradesh,India	17.7210N	83.3287E	30	
Visignano	VISG	Italy	44.1140N	11.2940E	728	From 2004-10-22
Visp Littennaring	SVIL	Switzerland	46.2923N	7.8865E	647	From 2010-04-01
Visp Obere Stapfengasse	SVIO	Switzerland	46.2908N	7.8803E	650	From 2010-04-01
Visp-Terbinerstrasse	SVIT	Switzerland	46.2897N	7.8848E	655	From 2010-05-01
Vissoie, Val d'Anniviers	VANNI	Switzerland	46.2101N	7.5968E	1520	From 2009-10-30
Vista	VSTC	California,U.S.A.	33.1559N	117.2320W	76	From 1975-01-01 to 2009-05-01
Vista de Mar	VCR	Costa Rica	10.1265N	85.6312W	960	
Vista Grande	VG2	California,U.S.A.	33.8318N	116.8090W	0	From 1975-12-01
Vista Hermosa	VHM	Oaxaca,Mexico	17.1767N	96.7453W	1829	
Vista Hermosa	VHO	Oaxaca,Mexico	17.0723N	96.7332W	1685	
Vitale (Isola del Liri - FR)	T0202	Italy	41.7021N	13.5442E	355	From 2009-06-12 to 2010-01-14
Viti Levu	NMF	Fiji	18.0058S	178.1600E	295	
Vitim	VTMR	Sakha,Russia	59.4400N	112.5500E	190	From 2005-06-27
Vitineika	VTN	Greece	37.9166N	21.1856E	47	From 2009-09-08
Vitoria	PVIA	Azores,Portugal	39.0682N	28.0503W	49	From 2005-09-01
Vitosha	VTS	Bulgaria	42.5916N	23.2083E	1490	
Vittel	VITF	Lorraine,France	48.2172N	5.9844E	460	
Vitulano	VTB1	Italy	41.1825N	14.6300E	865	
Vitzeroda	VITZ	Thuringen,Germany	50.8870N	10.0916E	392	From 2010-05-20
Vivian	VVO	Oklahoma,U.S.A.	35.3368N	95.7374W	224	From 1985-09-11
Vivian Onida	I29A	South Dakota,U.S.A.	44.0215N	100.3034W	592	From 2009-09-11
Vizcacheras	AVIZ	Mendoza,Argentina	33.4731S	68.5162W	1019	
Vizianagram	VIZ	Andhra Pradesh,India	18.1167N	83.4500E		
Vizzini	HVZN	Sicily,Italy	37.1780N	14.7150E	730	From 1994-05-01
Vlachokerasia	VLX	Greece	37.3703N	22.3793E	1035	From 2006-06-28
Vladikavkaz	VLKR	Severo-Osetinskaya,Russia	43.0465N	44.6773E	684	From 2003-06-23
Vladivostok	VLA	Primorskiy Kray,Russia	43.1200N	131.8933E	73	
Vlagtwedde	VLW	Netherlands	52.9694N	7.0982E	7	
Vlagtwedde	VLW1	Netherlands	52.9682N	7.0972E	-43	From 2010-10-29
Vlagtwedde	VLW3	Netherlands	52.9682N	7.0972E	-143	From 2010-10-29
Vlagtwedde	VLW4	Netherlands	52.9682N	7.0972E	-193	From 2010-10-29
Vlagtwedde	VLW2	Netherlands	52.9682N	7.0972E	-93	From 2010-10-29
Vlora	VLO	Albania	40.4686N	19.4955E	43	
Vobarno	VOBA	Italy	45.6429N	10.5040E	292	From 2006-06-28
Vodivohitra	VDA	Madagascar	19.0610S	46.9530E	1472	From 1994-12-18
Vogar	IVOG	Iceland	63.9700N	22.3930W	7	From 1997-02-23
Vogel Lake	VOGL	Alaska,U.S.A.	60.9961N	150.4307W	38	
Voghera	VG1	Italy	44.9292N	9.0958E		From 1980-06-22 to 1999-08-25
Vogsosar	IVOS	Iceland	63.8530N	21.7040W	8	From 1997-04-15
Vohitsoka	VOI	Madagascar	22.0260S	46.7059E	991	From 2009-11-26
Vojsko	VOY	Slovenia	46.0317N	13.8935E	1073	From 1984-11-01
Vojsko	VOJS	Slovenia	46.0317N	13.8833E	1046	From 2004-10-01
Volborg	F23A	Montana,U.S.A.	45.7212N	105.4056W	953	From 2008-11-17
Volcan	BRU2	Panama	8.7940N	82.6910W	1308	
Volcan Arenal	VACR	Costa Rica	10.4730N	84.6775W	360	From 1986-04-29
Volcan Cerro Prieto	VCP	Baja California,Mexico	32.4000N	115.3000W	110	From 1976-10-28
Volcan Chico	VCHI	Galapagos,Ecuador	0.7917S	91.0667W	1490	
Volcan Irazu	ICR	Costa Rica	9.9808N	83.8305W	3306	
Volcan Irazu	IRZ	Costa Rica	9.9744N	83.8657W	3380	From 1984-03-17 to 1985-12-31
Volcan Irazu 2	IRZ2	Costa Rica	9.9688N	83.8975W	2975	From 1985-01-01
Volcan Nyalulag	NYAM	Congo (Kinshasa)	1.4100S	29.2000E	3056	
Volcan Nyirag	NYI	Congo (Kinshasa)	1.5200S	29.2500E	3469	
Volcano Peak E	WVPM	California,U.S.A.	35.9495N	117.8170W	1463	From 1975-09-26
Volcano Peak East	VPEM	California,U.S.A.	35.9495N	117.8170W	1463	From 1975-09-26
Volcan Poas	VPS	Costa Rica	10.1873N	84.2385W	2570	
Volcan Poas 2	VPS2	Costa Rica	10.1902N	84.2353W	2570	From 1980-11-01
Volcan Purace	PURC	Colombia	2.3222N	76.3617W	3950	From 1987-01-01
Volcan Rincon	RIN2	Costa Rica	10.8185N	85.3495W	1400	From 1987-05-20 to 1988-08-26
Volcan Rincon	RIN3	Costa Rica	10.7908N	85.3787W	900	From 1988-08-26
Volcan Rincon	RIN	Costa Rica	10.7735N	85.3583W	775	From 1984-11-01 to 1987-05-20
Volcan San Salvador	VSS	El Salvador	13.7417N	89.2417W	1250	
Volcan Turrialba	VTU	Costa Rica	10.0210N	83.7583W	3329	
Volcan Villarrica	VNV	Cautin,Chile	39.3692S	71.9528W	1200	From 1983-01-01
Volimes	VOL	Greece	37.8857N	20.6775E	552	From 2007-04-19
Vollmer Peak	CVPM	California,U.S.A.	37.8840N	122.2220W	568	
Vomvokou	VVK	Greece	38.4222N	21.8115E	651	From 2010-09-30
Voronezh	VOR	Voronezhskaya Oblast',Russia	51.7311N	39.2000E	160	From 1997-01-01 to 2008-08-20
Voronezh	VORR	Voronezhskaya Oblast'	51.6717N	39.2082E	150	From 2008-08-20
Vostochnaya	VOSK	Kazakhstan	52.7233N	70.9797E	450	From 1999-09-24
Vostochnaya	VOS	Kazakhstan	52.7233N	70.9797E	450	From 1999-09-24
Vostochnaya array site	VOS8	Kazakhstan	52.7524N	70.9211E	344	From 1995-08-10
Vostochnaya array site	VOS7	Kazakhstan	52.7276N	70.9370E	328	From 1995-08-10
Vostochnaya array site	VOS6	Kazakhstan	52.7478N	70.9649E	327	From 1995-08-10
Vostochnaya array site	VOS5	Kazakhstan	52.7435N	71.0042E	316	From 1995-08-10
Vostochnaya array site	VOS4	Kazakhstan	52.7686N	70.9906E	321	From 1995-08-10
Vostochnaya array site	VOS9	Kazakhstan	52.7696N	70.9511E	329	From 1995-08-10
Votaw Ranch, Wellfleet	N29A	Nebraska,U.S.A.	40.8189N	100.6264W	897	From 2009-05-19
Vouglans	VOU	Franche Comte,France	46.3989N	5.6508E	495	From 1967-03-01
Voula,Athens	VLY	Greece,Greece	37.8524N	23.7942E	256	From 2008-02-12
Vranov	VRAC	Czech Republic	49.3083N	16.5935E	475	From 1989-12-01
Vrh nad Dolskim	VNDS	Slovenia	46.1016N	14.7014E	531	From 2005-12-16
Vrincioaia	VRI	Romania	45.8665N	26.7276E	472	From 1967-01-01
V-Sauoahnukur	IVSH	Iceland	64.8080N	15.7280W	849	From 2004-12-29
Vulcan	VUL	New Britain,Papua New Guinea	4.2828S	152.1460E	332	From 1967-01-01
Vulcanello	VN6*	Sicily,Italy	38.4256N	14.9625E		From 1966-04-01 to 1966-05-01
Vulcano Cr IE	IVCR	Sicily,Italy	38.4080N	14.9620E	140	From 1977-01-01
Vulcano Grillo IE	IVUG	Sicily,Italy	38.3960N	14.9860E	250	From 1977-01-01
Vulcano Lentia IE	IVLT	Sicily,Italy	38.3960N	14.9480E	150	From 1977-01-01
Vulcano Piano	VPL	Sicily,Italy	38.3789N	14.9836E	410	
Vunargo	VNG	Greece	37.7410N	21.3930E	240	From 2006-05-15
Vunidawa	VDW	Fiji	17.8336S	178.2528E	409	From 1979-10-01
Vunikawai	VUN	Fiji	18.0072S	178.4633E	178	From 1976-12-01
Vyborg	VYB	Leningradskaya Oblast',Russia	60.7167N	28.8000E	25	
Vyhne	VYHS	Slovakia	48.4940N	18.8361E	480	
Vyrnwy	WVR	Wales,United Kingdom	52.7974N	3.6051W	580	From 1985-01-01
Wabag	WAB	Papua New Guinea	5.4947S	143.7280E	2032	From 1968-01-01
Wabash College	WVIL	Illinois,U.S.A.	38.4298N	87.7817W	160	
Wabush	WABN	Newfoundland,Canada	52.9080N	66.8710W	563	
Wachi	JWT	Kyoto,Japan	35.2825N	135.4015E	172	
Wade Farm, Kenmare	A26A	North Dakota,U.S.A.	48.8973N	102.0380W	570	From 2009-07-23
Wadesville	WDIN	Indiana,U.S.A.	38.0908N	87.7158W	164	
Wadia Institute--Dehra Dun	WIHG	Uttar Pradesh,India	30.3285N	78.0130E	619	From 1985-11-01
Wadi Bani Khalid	WBK	Oman	22.6100N	58.9700E	450	From 2001-07-01
Wadi Hawf	WHFO	Oman	17.9190N	53.7706E	550	From 2001-07-01
Wadi Hilu	UOSS	Pakistan	24.9453N	56.2042E	283	
Wadi 'Ibn Hashbal	WBHS	Saudi Arabia	18.6062N	42.7288E	1882	
Wadi Mousa	WMSJ	Jordan	30.3250N	35.4650E	965	From 2001-01-01
Wadi Sarin	WSAR	Oman	23.2390N	58.6307E	326	
Wadsworth	WAD	Nevada,U.S.A.	39.6878N	119.2880W	1262	
Waduk Cacaban	CTJI	Jawa	7.0075S	109.1836E	104	
Wagenman Farm, Cando	B29A	North Dakota,U.S.A.	48.4649N	99.3535W	460	From 2009-08-21
Wager Bay	WAGN	Northwest Territories,Canada	65.8792N	89.4445W	0	From 2006-08-20
Wagin	WA2	Western Australia,Australia	33.2767S	117.3370E	300	From 1973-06-09

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Wagner Farm, Oakesdale	D10A	Washington,U.S.A.	47.0547N	117.2759W	775	From 2006-09-23 to 2008-06-19
Wagon Wheel Ranch, Midkiff	329A	Texas,U.S.A.	31.4870N	101.9808W	842	From 2009-02-08
Wahat al Ahsa'	HASS	Saudi Arabia	25.1899N	49.6944E	200	
Wahat Dakhilah	HDK2	Egypt	24.3195N	28.9546E	377	
Wahat Farafirah	HFRF	Egypt	27.1484N	28.3105E	115	
Wahaula	WHA	Hawaii,U.S.A.	19.3317N	155.0490W	29	
Wahianoa	WNVZ	North Island,New Zealand	39.3287S	175.5978E	1543	From 2004-05-04
Wahluke	WAH	Washington,U.S.A.	46.7520N	119.5780W	231	From 1970-07-01
Wahluke Slope	WAH2	Washington,U.S.A.	46.7553N	119.5657W	244	
Wahnbachtalsperre	WBS	Nordrhein-Westfalen,Germany	50.8061N	7.2831E	130	From 1990-11-01
Wahner Farm, Parshall	C26A	North Dakota,U.S.A.	47.8259N	102.0957W	656	From 2009-07-26
Wahoo	WHNE	Nebraska,U.S.A.	41.2362N	96.6525W	381	
Wah Wah Mountains	WW-UT	Utah,U.S.A.	38.5139N	113.5889W	1829	From 1963-04-16 to 1963-07-15
Wah Wah Mts	WW-	Utah,U.S.A.	38.5139N	113.5889W	1829	From 1963-04-16 to 1963-07-15
Waiatarua	WTAZ	North Island,New Zealand	36.9342S	174.5739E	340	
Waiheke Island	WIAZ	North Island,New Zealand	36.7930S	175.1339E	255	From 2010-07-27
Waihua	WHHZ	North Island,New Zealand	39.0768S	177.2344E	317	From 2009-06-30
Waikabubak, Sumba	WBSI	Sumba,Indonesia	9.6411S	119.3911E	456	From 2008-12-01
Waikii	WKH	Hawaii,U.S.A.	19.8597N	155.6600W	1433	
Waimanalo Ridge	WMR	Hawaii,U.S.A.	21.3203N	157.6823W	200	
Waimangu	WGZ	North Island,New Zealand	38.2881S	176.3870E	440	From 1980-08-20 to 1983-12-15
Waingapu	WSI	Sumba,Indonesia	9.6689S	120.2976E	48	
Wainui Dam	WDW	North Island,New Zealand	41.2686S	174.9940E	130	
Waiomatatini Station	WMGZ	North Island,New Zealand	37.8191S	178.4149E	190	From 2009-12-10
Waipapa Point	WPZ	South Island,New Zealand	46.6603S	168.8500E	4	From 1966-11-01 to 1976-09-20
Waipu Caves	WCZ	North Island,New Zealand	35.9411S	174.3440E	140	From 1990-10-13
Waipukurau	WPHZ	New Zealand	40.0660S	176.4404E	350	From 2006-10-19
Wairakei	WNZ	North Island,New Zealand	38.6314S	176.1030E	350	From 1962-08-01 to 1985-09-27
Wairara	WATZ	North Island,New Zealand	38.7097S	175.7329E	520	
Wairiri	WAI	South Island,New Zealand	43.5000S	171.8670E	335	From 1947-03-01 to 1948-03-31
Waitaha Valley	WVZ	South Island,New Zealand	43.0764S	170.7360E	75	From 1990-02-21
Wajiki	WKJ	Tokushima,Japan	33.8598N	134.5147E	100	
Wa jima	WAJ	Ishikawa,Japan	37.3900N	136.8980E	7	
Wakamiya	WMY	Kochi,Japan	33.6421N	133.6750E	230	From 1967-04-01 to 1999-08-25
Wakarara	WAHZ	North Island,New Zealand	39.6992S	176.3550E	657	From 1987-03-01 to 2003-09-09
Wakaura	WKU	Wakayama,Japan	34.1879N	135.1730E	10	From 1953-10-01 to 1978-08-26
Wakayama	WKME	Wakayama,Japan	34.1909N	135.1673E	5	
Wakayama	WKY	Wakayama,Japan	34.2267N	135.1670E	14	
Wakayama 2	WKYJ	Wakayama,Japan	34.2190N	135.5925E	795	
Wake	WKE	Wake Island	19.3150N	166.6270E	5	From 1956-01-01 to 1969-12-31
Wake Island	WAKE	Wake Island	19.2833N	166.6536E	0	
Wakkake-Misaki	JWK	Soya,Japan	45.4168N	141.6732E	90	
Wakkanai	WAK	Soya,Japan	45.4167N	141.6730E	90	
Wakkanai	WAKJ	Soya,Japan	45.4133N	141.6833E	11	
Walderalm	WATA	Austria	47.3357N	11.5763E	1492	From 1989-10-01
Waldron Ledge	WLG	Hawaii,U.S.A.	19.4248N	155.2620W	1067	From 1971-09-01 to 2000-11-09
Walferdange	WLF	Luxembourg	49.6646N	6.1526E	295	
Walker	WAKR	Nevada,U.S.A.	38.5044N	119.4372W	1890	
Walker Mountain	VWMM	Oregon,U.S.A.	43.3050N	121.7160W	2158	
Walker Mountain	WMV	Virginia,U.S.A.	37.1085N	80.9705W	1157	
Walker Pass	WWPM	California,U.S.A.	35.7355N	118.0870W	1151	
Walker Ridge	GWKM	California,U.S.A.	39.0520N	122.4910W	841	
Walker Ridge	WKC2	California,U.S.A.	40.3892N	124.2960W	226	From 1980-11-05
Walker Ridge	WKC	California,U.S.A.	40.3933N	124.2880W	225	From 1973-01-01 to 1980-11-05
Walkerton	BWLO	Ontario,Canada	44.1174N	81.1382W	228	From 2007-08-01
Wallace	WAL	Idaho,U.S.A.	47.4600N	115.9650W		
Wallace Dam	WDG	Georgia,U.S.A.	33.3440N	83.1752W	177	From 1978-02-01
Walla Walla High School ANSS SMO	WWHS	Washington,U.S.A.	46.0453N	118.3183W	10	From 2003-09-24
Wallersheim-Loch	LOH	Rheinland-Pfalz,Germany	50.1825N	6.5356E	580	From 2006-12-01
Wallila Gap	WGW	Washington,U.S.A.	46.0447N	118.9330W	162	From 1971-10-01
Wall Ranch, Gause	436A	Texas,U.S.A.	30.7702N	96.7960W	109	From 2010-01-27
Walls	WALU	Shetland Islands,United Kingdom	60.2576N	1.6133W	170	
Walls	WAL1	Shetland Islands,United Kingdom	60.2564N	1.6173W	167	From 1980-01-01
Wallula Gap	WG2	Washington,U.S.A.	46.0306N	118.8560W	511	From 1987-04-01
Wallula Gap	WG3	Washington,U.S.A.	46.0286N	118.8570W	480	From 1990-01-01
Wally Ulrich	WUWY	Wyoming,U.S.A.	43.5394N	110.7429W	1965	
Walnut Grove	WGAR	Arkansas,U.S.A.	35.8530N	90.1910W	72	
Walnut Ridge	WR-	Arkansas,U.S.A.	36.0583N	91.2219W	122	From 1961-12-05 to 1961-12-16
Walnut Ridge	WR-AR	Arkansas,U.S.A.	36.0583N	91.2219W	122	From 1961-12-05 to 1961-12-16
Walsh	T28A	Colorado,U.S.A.	37.1204N	102.1136W	1148	From 2008-12-16
Walters Elk Ranch, Riggins	G11A	Idaho,U.S.A.	45.3997N	116.2680W	1343	From 2006-11-08 to 2008-07-14
Wambrook	WAM	New South Wales,Australia	36.1928S	148.8830E	200	From 1957-01-01
Wamena	WAMI	Irian Jaya,Indonesia	3.8847S	138.7114E	0	
Wamic	G05A	Oregon,U.S.A.	45.2422N	121.3167W	594	From 2005-11-03 to 2008-03-27
Wamic, OR	G05D	Oregon	45.2422N	121.3167W	592	From 2009-10-22
Wamsutter	L20A	Wyoming,U.S.A.	42.0073N	108.3398W	2028	From 2007-10-26
Wanagama	UGM	Jawa,Indonesia	7.9125S	110.5231E	350	From 1995-08-20
Wanaka	WKZ	South Island,New Zealand	44.8287S	169.0175E	564	From 2004-06-03
Wando	KSWAN	South Korea	34.3890N	126.7023E	34	From 1999-04-07
Wanganui	WAZ	North Island,New Zealand	39.7564S	174.9853E	401	From 2003-11-26
Wang Home	KHVB	British Columbia,Canada	48.5688N	123.4663W	39	From 2003-02-28
Wanliss Street	WAN	New Britain,Papua New Guinea	4.1943S	152.1760E	25	From 1967-01-01
Wann	WNN	Nebraska,U.S.A.	41.1897N	96.2661W	387	
Wanoga Butte	VWBM	Oregon,U.S.A.	43.9137N	121.5550W	1736	
Wapiti River	WAPA	Alberta,Canada	55.1833N	119.2536W	784	From 2009-10-20
Warakurna	WRKA	Western Australia,Australia	25.0371S	128.2962E	622	From 2009-04-26
Warangal	WGL	Andhra Pradesh,India	17.9850N	79.5300E	280	From 1975-01-01
Warburton	WARB	Western Australia,Australia	26.1838S	126.6430E	460	From 1987-06-28 to 1998-12-31
Warburton	WBN	Western Australia,Australia	26.1400S	126.5780E	457	From 1978-06-27 to 1987-06-28
Wardell	WADM	Missouri,U.S.A.	36.3661N	89.7959W	78	
Warden	WRD	Washington,U.S.A.	46.8033N	119.1448W	375	From 1970-07-01
Wardlaw	BWH	Scotland,United Kingdom	55.1758N	3.6549W	269	
Ward Pound Ridge	WPR	New York,U.S.A.	41.2547N	73.5857W	152	From 1971-03-01 to 1981-12-31
Warideh	WRDH	Syria	35.5079N	36.4120E	730	From 1995-04-01
Waris	WAA	Papua New Guinea	4.1167S	145.1000E	48	
Warland Creek	WCM	Montana,U.S.A.	48.4583N	115.1030W	1704	From 1971-02-01 to 1974-07-11
Warmenhuizen	WMH2	Netherlands	52.7096N	4.7498E	-101	From 1995-04-21
Warmenhuizen	WMH1	Netherlands	52.7096N	4.7498E	-51	From 1995-04-21
Warmenhuizen	WMH	Netherlands	52.7108N	4.7498E	-1	
Warmenhuizen	WMH3	Netherlands	52.7096N	4.7498E	-151	From 1995-04-21
Warmenhuizen	WMH4	Netherlands	52.7096N	4.7498E	-201	From 1995-04-21
Warmifontaine	WRM	Belgium	49.8333N	5.3806E	242	
Warminster	SWK	England,United Kingdom	51.1483N	2.2471W	266	
Warm Springs	R10A	Nevada,U.S.A.	38.2886N	116.3021W	1600	From 2006-06-09 to 2008-09-11
Warm Springs	WSP	California,U.S.A.	34.5962N	118.5790W	1219	
Warm Springs	WSN	Nevada,U.S.A.	38.3833N	116.1920W	1768	From 1965-01-01 to 1970-12-31
Warm Springs	WZ-NV	Nevada,U.S.A.	38.0628N	116.4397W	2073	
Warm Springs Repeater	WSR	Nevada,U.S.A.	38.1914N	116.3990W	1890	From 1965-01-01 to 1970-12-31
Warragamba	WGBM	New South Wales,Australia	33.8661S	150.5751E	254	
Warragamba Dam	WDBM	New South Wales,Australia	33.8850S	150.5940E	30	
Warramunga Ar.	WB1	Northern Territory,Australia	19.9595S	134.3460E	422	
Warramunga Array	WCB	Northern Territory,Australia	19.9347S	134.3570E	366	From 1965-10-01
Warramunga Array	WRB	Northern Territory,Australia	19.9594S	134.3464E	393	From 1965-10-01
Warramunga Array Beam Reference Point	WRA	Northern Territory,Australia	19.9426S	134.3390E	419	From 1965-10-01
Warramunga Array Site B0	WB0	Northern Territory,Australia	19.7671S	134.3930E	392	
Warramunga Array Site B2	WB2	Northern Territory,Australia	19.9428S	134.3511E	388	From 1965-10-01
Warramunga Array Site B3	WB3	Northern Territory,Australia	19.9230S	134.3555E	384	From 1965-10-01
Warramunga Array Site B4	WB4	Northern Territory,Australia	19.9036S	134.3589E	380	From 1965-10-01
Warramunga Array Site B5	WB5	Northern Territory,Australia	19.8782S	134.3662E	370	From 1965-10-01
Warramunga Array Site B6	WB6	Northern Territory,Australia	19.8550S	134.3670E	396	From 1965-10-01
Warramunga Array Site B7	WB7	Northern Territory,Australia	19.8408S	134.3794E	353	From 1965-10-01
Warramunga Array Site B8	WB8	Northern Territory,Australia	19.8139S	134.3808E	356	From 1965-10-01
Warramunga Array Site B9	WB9	Northern Territory,Australia	19.7914S	134.3840E	391	From 1965-10-01
Warramunga Array Site C1	WC1	Northern Territory,Australia	19.9243S	134.3391E	392	
Warramunga Array Site C2	WC2	Northern Territory,Australia	19.9254S	134.3654E	375	
Warramunga Array Site C3	WC3	Northern Territory,Australia	19.9587S	134.3719E	382	
Warramunga Array Site C4	WC4	Northern Territory,Australia	19.9619S	134.3397E	387	
Warramunga Array Site R0	WR0	Northern Territory,Australia	19.9597S	134.5405E	353	
Warramunga Array Site R1	WR1	Northern Territory,Australia	19.9426S	134.3395E	388	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Warramunga Array Site R2	WR2	Northern Territory,Australia	19.9469S	134.3624E	385	From 1965-10-01
Warramunga Array Site R3	WR3	Northern Territory,Australia	19.9485S	134.3869E	376	From 1965-10-01
Warramunga Array Site R4	WR4	Northern Territory,Australia	19.9503S	134.4066E	374	From 1965-10-01
Warramunga Array Site R5	WR5	Northern Territory,Australia	19.9522S	134.4304E	364	From 1965-10-01
Warramunga Array Site R6	WR6	Northern Territory,Australia	19.9543S	134.4540E	382	From 1965-10-01
Warramunga Array Site R7	WR7	Northern Territory,Australia	19.9552S	134.4760E	382	From 1965-10-01
Warramunga Array Site R8	WR8	Northern Territory,Australia	19.9557S	134.5000E	400	From 1965-10-01
Warramunga Array Site R9	WR9	Northern Territory,Australia	19.9577S	134.5150E	383	From 1965-10-01
WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	WRAIM	Northern Territory	19.9348S	134.3295E	386	From 2000-05-12
Warramunga Infrasound Array Beam Ref. Pt.	WRAI	Northern Territory,Australia	19.9402S	134.2260E	401	
Warroad	A33A	Minnesota,U.S.A.	48.9371N	95.3904W	329	
Warsak Dam	WRS	Pakistan	34.1500N	71.4167E	343	
Warsaw	WAR	Poland	52.2417N	21.0236E	110	From 1939-01-01 to 2008-10-10
Wartburg	WT-	Tennessee,U.S.A.	36.1097N	84.7578W	427	From 1963-04-12 to 1963-07-31
Wartburg	WT-TN	Tennessee,U.S.A.	36.1097N	84.7578W	427	From 1963-04-12 to 1963-07-31
Wasel	WASL	Saudi Arabia	29.1880N	34.9060E		From 1993-07-01 to 1999-08-25
Washetta, Montalba	237A	Texas,U.S.A.	32.0015N	95.8084W	126	From 2010-02-20
Washington	WAS	District of Columbia,U.S.A.	38.8925N	77.0331W	0	From 1909-01-01 to 1969-12-31
Washington City	WCO	Utah,U.S.A.	37.1387N	113.5094W	878	From 2008-05-30
Washington Fields	REUT	Utah,U.S.A.	37.0976N	113.5193W	791	From 2008-06-27
Washington Hill	WSH	Nevada,U.S.A.	39.4538N	119.6447W	1762	
Washington--Naval Research Laboratory	NRL	District of Columbia,U.S.A.	38.8333N	77.0833W		From 1953-01-01 to 1972-12-31
Washington Science Center	WSC	Maryland,U.S.A.	39.0505N	77.1237W	120	From 1965-01-01 to 1972-12-31
Washoe City	WCN	Nevada,U.S.A.	39.3017N	119.7563W	1704	From 1972-08-12
Wassenberg	RWB	Nordrhein-Westfalen,Germany	51.1018N	6.1550E	45	From 2003-04-01
Water	H2OWA	Washington,U.S.A.	46.3958N	119.4230W	158	
Waterbury	VT1	Vermont,U.S.A.	44.3317N	72.7536W	410	
Waterdown	RD02	Ontario,Canada	43.3154N	79.8768W	104	
Waterton	WTC	Colorado,U.S.A.	39.5143N	105.1380W	1987	From 1973-01-01 to 1976-11-30
Waterton Lakes	WALA	Alberta,Canada	49.0586N	113.9120W	1400	From 1992-05-15
Waterville	WVL	Maine,U.S.A.	44.5648N	69.6575W	85	
Waterville	WTVE	New York,U.S.A.	42.9460N	75.3272W	426	
Waterville	WTR	Maine,U.S.A.	44.6483N	69.6556W	79	From 1951-10-01
Waterville	WTV	Washington,U.S.A.	47.6986N	119.9540W	900	
Waterville	C07A	Washington,U.S.A.	47.6902N	120.0613W	863	From 2006-09-19 to 2008-05-16
Waterways	WS-	Alberta,Canada	56.6594N	111.2686W	366	From 1965-10-14 to 1965-11-15
Waterways	WS-AT	Alberta,Canada	56.6594N	111.2686W	366	From 1965-10-14 to 1965-11-15
Watheroo	WAT	Western Australia,Australia	30.3167S	115.8830E		From 1958-01-01 to 1959-12-31
Watom Island	EWT	New Britain,Papua New Guinea	4.1150S	152.0880E	30	
Watseka	WQ-IL	Illinois,U.S.A.	40.8656N	87.5864W	198	
Watson	WA-OK	Oklahoma,U.S.A.	34.4417N	94.4911W	305	From 1962-10-17 to 1962-10-27
Watson	WA-	Oklahoma,U.S.A.	34.4417N	94.4911W	305	From 1962-10-17 to 1962-10-27
Watson Lake	WL-	Yukon Territory,Canada	60.1167N	128.7644W	716	From 1965-10-16 to 1965-11-15
Watson Lake	WALK	Missouri,U.S.A.	36.5394N	89.5423W	87	
Watson Lake	WL-YK	Yukon Territory,Canada	60.1167N	128.7644W	716	From 1965-10-16 to 1965-11-15
Wattenberg	WTTA	Austria	47.2638N	11.6363E	1764	From 1991-02-09
Wattenberg Ranch, Walden	N22A	Colorado,U.S.A.	40.8023N	106.4544W	2472	From 2007-11-27
Watts Point	WPB	British Columbia,Canada	49.6570N	123.2100W	273	From 1983-01-20
Wau	WAU	Papua New Guinea	7.3456S	146.7165E	1083	From 1996-05-09
Waubonsee CC	WCIL	Illinois,U.S.A.	41.7961N	88.4590W	214	
Waverly	WVT	Tennessee,U.S.A.	36.1297N	87.8300W	170	
Waxell Ridge	WAX	Alaska,U.S.A.	60.4500N	142.8520W	975	From 1975-08-22
Waynesburg	WAY	Pennsylvania,U.S.A.	39.9017N	80.1850W	329	From 1956-06-01 to 1964-12-31
Weather Observatory	WOB	Hawaii,U.S.A.	19.5385N	155.5830W	3396	
Weaver Farm	KWE	England,United Kingdom	53.0166N	1.8435W	320	From 1988-01-01
Weber Canyon	WBC	Utah,U.S.A.	41.1397N	111.9008W	1602	
Wegel	WGLY	New York,U.S.A.	41.3589N	73.8994W	152	
Weija	WEGH	Ghana	5.5933N	0.3269W	180	From 1987-01-01
Weil am Rhein	WEIL	Baden-Wurttemberg,Germany	47.5930N	7.6007E	246	From 2000-11-16
Weingarten	WEIN	Switzerland	47.5287N	8.9859E	555	From 2003-08-29
Weissweiler	BA03	Nordrhein-Westfalen,Germany	50.8379N	6.3866E	120	From 2006-10-01
Welcome	WEO	Ontario,Canada	44.0187N	78.3743W	149	From 1982-04-30
Welkom	WKM	Orange Free State,South Africa	28.0050S	26.7617E	1340	
Wellesley Island	WLI	New York,U.S.A.	44.3090N	76.0098W	90	From 1974-08-01 to 1976-08-16
Wellington	WEL	North Island,New Zealand	41.2861S	174.7680E	122	From 1915-01-01
Wells	M12A	Nevada,U.S.A.	41.4157N	114.9151W	1930	From 2006-05-05 to 2008-08-09
Wellsville	WVUT	Utah,U.S.A.	41.6102N	111.9590W	1828	From 1979-08-01
Welschbruch	WLS	Alsace,France	48.4133N	7.3533E	775	From 1963-01-01
Wemindji, Quebec	WEMQ	Quebec,Canada	53.0535N	77.9737W	172	From 2005-06-23
Wenas	WNS	Washington,U.S.A.	46.7103N	120.5750W	1000	
Wenatchee	WNW	Washington,U.S.A.	47.5295N	120.1940W	1061	From 1975-06-01
Wenatchee	WEN	Washington,U.S.A.	47.5295N	120.1940W	1061	
Wenatchee Ridge	WRW	Washington,U.S.A.	47.8572N	120.8811W	1189	
Wendo Genet	WNDE	Ethiopia	7.0979N	38.6349E	1841	
Wendover, West Wendover	N13A	Nevada,U.S.A.	40.8556N	114.2045W	1385	From 2006-05-19 to 2008-08-20
Wente Vineyards, Livermore	WENL	California,U.S.A.	37.6221N	121.7570W	138	From 1998-07-15
Weppner Ranch, Escalante	S16A	Utah,U.S.A.	37.7222N	111.5961W	1785	From 2007-08-01 to 2009-03-12
Werda	WERD	Sachsen,Germany	50.4476N	12.3064E	589	From 2001-06-13
Werner Place, Edgewood	W23A	New Mexico,U.S.A.	35.1605N	106.1503W	2020	From 2008-04-20
Wernitzgruen	WERN	Sachsen,Germany	50.2874N	12.3761E	672	From 2000-08-02
Werombi	WER	New South Wales,Australia	33.9503S	150.5803E	226	From 1959-01-01
Wesley	DWS	Dominica	15.5685N	61.3113W	61	
Wesleyville	WLVO	Ontario,Canada	43.9236N	78.3970W	70	From 1990-11-07
Wesser Bold	WSSR	North Carolina,U.S.A.	35.2778N	83.5780W	1390	From 1985-11-01 to 2008-02-13
West Alisa	AWAL	Egypt	23.3792N	32.5825E		
West Arenal	WARN	Costa Rica	10.4620N	84.7208W	580	
West Ashley	WSS	South Carolina,U.S.A.	32.8468N	80.2717W	9	From 1983-01-01
West Bay, Grand Cayman	WBCY	Cayman Islands	19.3767N	81.3975W	1	From 2011-01-01
Westboro	WGMA	Massachusetts,U.S.A.	42.2890N	71.5850W	130	
West Boundary	YPWB	Montana,U.S.A.	44.6058N	111.1008W	2310	
West Bromwich	WBE	England,United Kingdom	52.5333N	2.0000W	156	
West Butte Ranch, Sweetgrass	A16A	Montana,U.S.A.	48.9482N	111.5968W	1394	From 2007-09-16 to 2009-08-11
Westby	A24A	North Dakota,U.S.A.	48.9239N	104.0018W	677	From 2008-09-12 to 2010-07-14
West Carthage	WCNY	New York,U.S.A.	43.9810N	75.6549W	245	From 2007-06-27
Westchester CC	WCCN	New York,U.S.A.	41.0684N	73.7914W	144	
Westchester Community College	WCC	New York,U.S.A.	41.0585N	73.7918W	100	From 1987-01-01 to 2006-05-18
West Dahl East	WESE	Alaska,U.S.A.	54.4726N	164.5863W	930	
West Dahl North	WESN	Alaska,U.S.A.	54.5685N	164.5833W	549	
West Dahl South	WESS	Alaska,U.S.A.	54.4794N	164.7226W	908	
Western Deep Levels Mine	WDLM	South Africa	26.4238S	27.4222E	1680	From 2009-12-08
Western Traverse Mountains	WTU	Utah,U.S.A.	40.4548N	111.9530W	1579	From 1992-06-09
Westford	WFM	Massachusetts,U.S.A.	42.6106N	71.4906W	88	From 1976-05-01
West Island	COCO	Cocos Islands	12.1901S	96.8349E	-69	
West Kalabsha	AWKL	Egypt	23.4252N	32.4470E		
West Kanaga	AK1	Alaska,U.S.A.	51.6650N	177.6420W	61	From 1976-10-01 to 1992-02-01
West Kanaga	AT1	Alaska,U.S.A.	51.6650N	177.6420W	61	From 1975-01-01 to 1976-10-31
Westland Maintenance Station	PWMM	California,U.S.A.	36.4328N	120.2110W	72	
West Mesa	WMA	New Mexico,U.S.A.	35.0722N	106.8560W	1804	
West Middle School	WMS	South Carolina,U.S.A.	33.4258N	80.7408W	34	
West Monroe	WMNY	New York,U.S.A.	43.3560N	76.0313W	158	
Westmoorings	TWMO	Trinidad and Tobago	10.6700N	61.5600W	0	
Westmoreland	WEST	New York,U.S.A.	43.1635N	75.4800W	167	
Westmorland	WML	California,U.S.A.	33.0152N	115.6225W	-44	
West Mountain	WMUT	Utah,U.S.A.	40.0767N	111.8330W	1981	From 1981-07-01
West Mountain	WMU	Utah,U.S.A.	40.0883N	111.8230W	2053	From 1973-12-01 to 1981-08-31
Weston	WES	Massachusetts,U.S.A.	42.3847N	71.3221W	60	From 1930-12-01
West Park	WPNY	New York,U.S.A.	41.8030N	73.9707W	76	From 1978-05-22 to 1986-09-30
West Pit	WPH	Hawaii,U.S.A.	19.4117N	155.2920W	1115	From 1962-10-31 to 1999-08-25
Westport, CT	WSPT	Connecticut,U.S.A.	41.1700N	73.3300W	50	From 2008-06-19
West Portland	WPO	Oregon,U.S.A.	45.5733N	122.7900W	334	From 1986-10-01
Westray	OWE	Orkney Islands,United Kingdom	59.3180N	3.0289W	87	From 1995-09-21
West Salem	WSIL	Illinois,U.S.A.	38.4981N	88.0750W	15	
Westside ANR, Five Points	U05C	California,U.S.A.	36.3356N	120.1205W	92	From 2004-12-06 to 2007-12-06
Westside School	WESC	California,U.S.A.	32.7590N	115.7316W	-8	
West Thumb	WTW	Wyoming,U.S.A.	44.4145N	110.5710W	2365	From 1972-10-01 to 2004-03-05
West Tongariro	WTVZ	North Island,New Zealand	39.1170S	175.5895E	1160	From 2004-03-04
West Valley	WVLY	New York,U.S.A.	42.4708N	78.5683W	600	From 1977-11-03 to 2002-12-20
West Valley, New York	WVNY	New York,U.S.A.	42.4062N	78.6042W	490	From 2010-08-05
West Yellowstone	YWY	Montana,U.S.A.	44.6058N	111.0970W	2292	From 1974-10-01 to 2004-03-05

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Wether Hill Road	WHZ	South Island,New Zealand	45.8947S	167.9470E	320	From 1993-03-01
Wettswil, ZR	EWZT2	Switzerland	47.3373N	8.4932E	690	From 2009-08-29
Wettzell	WET	Bayern,Germany	49.1440N	12.8782E	613	From 1975-01-01
Wetzens (Niawier)	NIW3	Netherlands	53.3548N	6.0429E	-36	From 2009-05-20
Wetzens (Niawier)	NIW2	Netherlands	53.3548N	6.0429E	-6	From 2009-05-20
Wetzens (Niawier)	NIW1	Netherlands	53.3548N	6.0429E	24	From 2009-05-20
Wetzens (Niawier)	NIW4	Netherlands	53.3548N	6.0429E	-66	From 2009-05-20
Wewak	WEW	Papua New Guinea	3.5544S	143.6260E	10	From 1968-09-11
Wewak	WWW	Papua New Guinea	3.5858S	143.6400E	100	From 1982-09-29 to 1999-08-25
Wewak	WEK	Papua New Guinea	3.4236S	143.6875E	10	From 1968-10-24 to 1969-02-28
Wewakk	WWKK	Papua New Guinea	3.6230S	143.6240E	442	From 1992-05-26
Whakaora	WHTZ	North Island,New Zealand	38.6678S	175.9574E	780	
Whakapapa	WPVZ	North Island,New Zealand	39.2058S	175.5458E	1220	From 2003-12-10
Whakapapataringa	WPRZ	North Island,New Zealand	38.5196S	176.1624E	519	From 2010-03-24
Whakatane	WTZ	North Island,New Zealand	37.9847S	176.9880E	43	From 1971-06-02 to 1990-11-21
Whakatau	WHH	North Island,New Zealand	38.8845S	176.4950E	921	From 1987-03-01 to 1999-08-25
Whale Back Mountain	WMOR	Oregon,U.S.A.	42.9028N	122.5920W	1860	From 1991-09-01
Whale Island	WHRZ	North Island	37.8557S	176.9748E	375	From 2011-06-27
Whangaehu Hut	WHVZ	North Island,New Zealand	39.2825S	175.5886E	2105	From 2009-04-14
Wharram Farm, Highwood	C17A	Montana,U.S.A.	47.6327N	110.7626W	1080	From 2007-09-01 to 2009-09-06
Wheatland	L24A	Wyoming,U.S.A.	42.0432N	104.9326W	1479	From 2008-07-13
Wheeler Ranch, Garrison	Q13A	Utah,U.S.A.	38.9551N	114.0202W	1583	From 2007-03-02 to 2008-09-04
Wheeler Ridge	WERC	California,U.S.A.	35.0605N	119.0271W	130	From 2001-10-30
Whinburgh	AWH	England,United Kingdom	52.6300N	0.9511E	60	From 1980-05-01
Whinny Nab	LWH	England,United Kingdom	54.3335N	0.6714W	265	From 1991-01-01
Whipple Mountains 2	WH2	California,U.S.A.	34.3145N	114.4092W	1245	From 1974-10-01
Whiskey Butte	WBI	Idaho,U.S.A.	46.5826N	115.9790W	1341	From 1971-10-01 to 1976-01-14
Whiskeytown Dam	WDC	California,U.S.A.	40.5799N	122.5411W	268	From 1973-01-01
Whistler	WHB	British Columbia,Canada	50.1280N	122.9550W	695	
Whistler	WSLR	British Columbia,Canada	50.1265N	122.9212W	906	
Whitaker Ranch, Olney	Z33A	Texas,U.S.A.	33.2865N	98.7648W	362	From 2009-11-06
White Bluff	WBL	Washington,U.S.A.	46.5983N	119.4590W		
Whiteface	WNH	New Hampshire,U.S.A.	43.8683N	71.3997W	220	From 1976-01-01
Whitefish	B13A	Montana,U.S.A.	48.3739N	114.4676W	933	From 2006-09-25 to 2009-08-07
White Fish Lake	WHFN	Northwest Territories,Canada	62.5592N	107.0865W	365	From 2008-07-10
Whitehall	WLZ	North Island,New Zealand	37.8411S	175.5878E	180	From 1989-10-30 to 2003-09-09
Whitehorse	WH2YK	Yukon Territory,Canada	60.6947N	134.9672W	853	From 1966-11-24
Whitehorse	WHC	Yukon Territory,Canada	60.7367N	135.0980W	734	From 1971-09-01 to 1993-08-24
Whitehorse	WH-YK	Yukon Territory,Canada	60.7342N	135.1492W	762	From 1965-10-21 to 1965-11-15
Whitehorse	WH2*	Yukon Territory,Canada	60.6947N	134.9672W	853	From 1966-11-24
Whitehorse	WH-	Yukon Territory,Canada	60.7342N	135.1492W	762	From 1965-10-21 to 1965-11-15
Whitehorse	WHY	Yukon Territory,Canada	60.6597N	134.8810W	1292	From 1993-08-27
White Island	WIZ	North Island,New Zealand	37.5283S	177.1890E	40	From 1976-12-01
White-Moore Ranch, Lipan	134A	Texas,U.S.A.	32.5729N	98.0795W	297	From 2009-11-16
White Mtn Res Sta-Crooked Creek, Bishop	S08C	California,U.S.A.	37.4993N	118.1711W	3087	From 2005-08-02 to 2007-10-03
White Oak Lake	WLAR	Arkansas,U.S.A.	33.6875N	93.1120W	77	
White Oak Mountain	WMTN	Tennessee,U.S.A.	35.2480N	84.9732W	378	From 1985-07-24
White Pass	WPW	Washington,U.S.A.	46.6982N	121.5470W	1250	
White Pine	WPM	Michigan,U.S.A.	46.7515N	89.5549W	193	From 1973-01-01
White River	YUK2	Yukon Territory,Canada	61.7868N	140.8426W	1229	From 2010-08-28
White River	WTRB	British Columbia,Canada	50.1298N	126.0353W	353	From 2005-04-21
White River City	O20A	Colorado,U.S.A.	40.1348N	108.2416W	1915	From 2007-11-12
White River Glacier	WRG	Alaska,U.S.A.	60.0378N	142.0320W	550	From 1974-09-10
White Rock	WKB	British Columbia,Canada	49.0437N	122.8180W	110	
White Salmon	F05A	Washington,U.S.A.	45.8839N	121.4588W	454	From 2005-11-02 to 2008-01-26
Whites Canyon	WTCR	Nevada,U.S.A.	39.3890N	119.8392W	1890	
White Tail Canyon, San Simon	219A	Arizona,U.S.A.	31.9989N	109.2592W	1581	From 2007-03-10 to 2009-01-19
Whitewater	WWR	California,U.S.A.	33.9918N	116.6560W	702	From 1975-01-01
Whiting Field	WFF	Florida,U.S.A.	30.7083N	87.0167W		From 1949-01-01 to 1956-12-31
Whitney	WHI	Hawaii,U.S.A.	19.4317N	155.2620W	1210	From 1961-01-01 to 1963-02-01
Whyalla	WHYH	South Australia,Australia	33.0330S	137.5744E	43	From 2009-01-01
Wichita Mountains	WMOK	Oklahoma,U.S.A.	34.7379N	98.7810W	486	From 1992-09-30
Wichita Mountains Array	WMO	Oklahoma,U.S.A.	34.7182N	98.5891W	505	
Wickenburg	Y14A	Arizona,U.S.A.	33.9383N	113.0048W	730	From 2006-03-14
Wield Dalam	WDD	Malta	35.8670N	14.5230E	41	
Wiesbaden	GWBE	Hessen,Germany	50.1076N	8.1814E	271	From 2001-11-22
Wiest Lake	WLK	California,U.S.A.	33.0513N	115.4910W	-52	From 1973-04-16
Wiggins	O25A	Colorado,U.S.A.	40.1129N	104.1201W	1444	From 2008-07-03
Wijnaldum	WYN3	Netherlands	53.1995N	5.4577E	-90	From 2010-03-04
Wijnaldum	WYN2	Netherlands	53.1995N	5.4577E	-60	From 2010-03-04
Wijnaldum	WYN4	Netherlands	53.1995N	5.4577E	-120	From 2010-03-04
Wijnaldum	WYN1	Netherlands	53.1995N	5.4577E	-30	From 2010-03-04
Wila	WILA	Switzerland	47.4147N	8.9075E	908	From 2000-01-12
Wilburton Instructional Services Center	WISC	Washington,U.S.A.	47.6089N	122.1744W	10	
Wildcat Mountain	WCT	Nevada,U.S.A.	36.7928N	116.6257W	977	From 1981-04-08
Wildenmoos	RWMO	Bayern,Germany	47.7440N	12.7300E	763	From 2001-04-09
Wildhorse	WLDR	Nevada,U.S.A.	38.8235N	118.5747W	1798	
Wild Horse	WHU	Utah,U.S.A.	39.3806N	112.1700W	1993	From 1974-10-01 to 1981-10-31
Wild Horse Canyon	WLD	Utah,U.S.A.	38.4603N	112.8640W	1804	
Wildhorse Creek, Mackay	I13A	Idaho,U.S.A.	43.9146N	114.1169W	2104	From 2007-01-10 to 2009-06-03
Wild Horse Parks	WHM	Montana,U.S.A.	46.7621N	113.1810W	1792	From 1974-09-06 to 1976-10-04
Wild Horse Valley	WVOR	Oregon,U.S.A.	42.4339N	118.6370W	1344	From 1994-06-01
Wildlife	WLJ	Utah,U.S.A.	40.6133N	111.3447W	2075	From 1992-11-04
Wilkes	WIL	Wilkes Land	66.2592S	110.5270E	10	From 1957-01-01 to 1966-12-23
Wilkes Camp	WIH	Hawaii,U.S.A.	19.4692N	155.5840W	4037	
Wilkinson Ranch, McDermitt	L09A	Nevada,U.S.A.	42.0192N	117.6667W	1430	From 2006-04-25 to 2008-04-02
Willalooka	WKA	South Australia,Australia	36.4170S	140.3210E	40	From 1979-03-01
Williams	W15A	Arizona,U.S.A.	35.1787N	112.2666W	2034	From 2006-03-11 to 2008-11-08
Williams	WMZ	Arizona,U.S.A.	35.1581N	112.3200W	2018	From 1986-01-31
Williams	WM-	Arizona,U.S.A.	35.4178N	112.2150W	1920	From 1961-12-12 to 1962-05-03
Williams	WM-AZ	Arizona,U.S.A.	35.4178N	112.2150W	1920	From 1961-12-12 to 1962-05-03
Williamsburg	WBO	Ontario,Canada	45.0003N	75.2750W	85	From 1980-12-09
Williams Family Ranch, Las Cruces	222A	New Mexico,U.S.A.	32.1046N	107.1013W	1324	From 2008-02-14 to 2010-01-17
Williams Farm, Concordia	P33A	Kansas,U.S.A.	39.4363N	97.6946W	488	From 2009-09-20
Williams Lake	WK-BC	British Columbia,Canada	52.1786N	121.9817W	975	From 1962-10-17 to 1962-10-27
Williams Lake	WK-	British Columbia,Canada	52.1786N	121.9817W	975	From 1962-10-17 to 1962-10-27
Williams Ranch	WRC	California,U.S.A.	35.2983N	118.6120W	430	From 1952-01-01 to 1953-12-31
Williamstown	WLL	Massachusetts,U.S.A.	42.7142N	73.2111W	220	
Willow Creek	WICI	Idaho,U.S.A.	44.1750N	113.8870W	2088	
Willow Creek	WCU	Utah,U.S.A.	38.9647N	112.0907W	2673	From 1978-02-01
Willow Creek Ranch, Ely	Q12A	Nevada,U.S.A.	39.0400N	114.8299W	1625	From 2006-05-26 to 2008-09-04
Willow Gulch Bison Ranch, Deer Trail	P25A	Colorado,U.S.A.	39.5125N	104.1680W	1753	From 2008-06-10
Willow Mountain	WLM	Alaska,U.S.A.	61.7736N	145.1980W	988	From 1972-02-24 to 1972-07-22
Wills Point	WP-TX	Texas,U.S.A.	32.6069N	95.8861W	161	
Willung South	WILL	Victoria,Australia	38.3393S	146.7367E	425	
Willy Bob	ANWB	Barbuda,Antigua and Barbuda	17.6685N	61.7856W	39	
Wilmington	WNC	North Carolina,U.S.A.	34.0581N	78.2461W	20	From 1976-05-03
Wilmington	WNY	New York,U.S.A.	44.3910N	73.8595W	598	From 1971-10-01
Wilpena Pound	FR27	South Australia,Australia	31.5230S	138.6230E	534	From 2003-09-17
Wilshire Harrah	OK002	Oklahoma,U.S.A.	35.5493N	97.1966W	354	
Wilson	WLO	Oklahoma,U.S.A.	34.0648N	97.3697W	284	From 1977-04-25
Wilson Butte	WBW	Washington,U.S.A.	48.0178N	119.1370W	826	From 1975-06-01
Wilson Creek	WCK	Kentucky,U.S.A.	36.9340N	88.8740W	137	From 1974-07-19
Wilson Peak	WPI	Idaho,U.S.A.	43.2889N	116.7500W		
Wimmelburg	WIMM	Sachsen-Anhalt,Germany	51.5210N	11.5050E	80	From 2008-07-16
Wimmis	WIMIS	Switzerland	46.6649N	7.6242E	770	From 2000-05-24
Windham	WND	New York,U.S.A.	42.3373N	74.1525W	602	From 1976-10-08
Windhoek	WIN	Namibia	22.5667S	17.1000E	1728	From 1959-01-01
WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	WBI	Victoria Land	77.7315S	167.5874E	42	From 2001-12-02
Windom	WD-	Minnesota,U.S.A.	44.1161N	95.1550W	381	
Windom	WD-MN	Minnesota,U.S.A.	44.1161N	95.1550W	381	
Window Rock	V19A	Arizona,U.S.A.	35.7147N	109.0456W	2082	From 2007-05-10 to 2009-02-21
Windsor	WNR	Ontario,Canada	42.2583N	83.1056W	-122	From 1978-03-08 to 1979-04-30
Windy Craggy	WCBC	British Columbia,Canada	59.6278N	137.7160W	750	From 1988-06-10 to 1990-08-06
Winespring Bald	WSNC	North Carolina,U.S.A.	35.1725N	83.5806W	1640	
Winneba	WIGH	Ghana	5.3636N	0.6189W	64	From 1987-01-01
Winnemucca	WMN	Nevada,U.S.A.	40.9800N	117.9200W	1524	From 1974-03-01 to 1975-07-31
Winnemucca	WI-	Nevada,U.S.A.	41.3506N	117.4583W	1524	From 1961-12-10 to 1964-03-03
Winnemucca	WI-NV	Nevada,U.S.A.	41.3506N	117.4583W	1524	From 1961-12-10 to 1964-03-03

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Winner	WN-	South Dakota,U.S.A.	43.2522N	100.1961W	792	From 1961-12-01 to 1966-10-31
Winner	WN-SD	South Dakota,U.S.A.	43.2522N	100.1961W	792	From 1961-12-01 to 1966-10-31
Winslow	W17A	Arizona,U.S.A.	35.0789N	110.7127W	1461	From 2007-04-28 to 2009-02-04
Winslow	WO-	Arizona,U.S.A.	34.8814N	110.6208W	1585	From 1964-04-01 to 1965-10-04
Winslow	WO-AZ	Arizona,U.S.A.	34.8814N	110.6208W	1585	From 1964-04-01 to 1965-10-04
Winter Ranch, Mooreland	U32A	Oklahoma,U.S.A.	36.3795N	99.0014W	525	From 2009-10-24
Winters	Q03C	California,U.S.A.	38.6333N	122.0145W	108	From 2005-06-28 to 2007-12-04
Wintersburg	Z14A	Arizona,U.S.A.	33.3627N	112.9458W	297	From 2006-03-16
Winterswijk	WTS	Netherlands	51.9956N	6.8100E	43	From 1976-07-01 to 2005-05-27
Winterswijk	WTSB	Netherlands	51.9663N	6.7989E	43	
Winterswijk	NE40	Netherlands	51.9755N	6.7350E	37	
Winthrop	B07A	Washington,U.S.A.	48.4607N	120.1197W	781	From 2006-09-15 to 2008-05-15
Wisdom	F14A	Montana,U.S.A.	45.8122N	113.3699W	1851	From 2006-10-19 to 2009-07-09
Wishkah	WISH	Washington,U.S.A.	47.1172N	123.7699W	45	
Wishkah Elem. School, Wishkah	D03A	Washington,U.S.A.	47.1161N	123.7714W	31	From 2004-09-16 to 2008-02-13
Wister	WIS	California,U.S.A.	33.2760N	115.5930W	-68	
Witteveen	WIT	Netherlands	52.8133N	6.6683E	17	From 1982-07-01
Witteveen	NE04	Netherlands	52.8133N	6.6683E		From 1982-07-01
Witton	AWI1	England,United Kingdom	52.8319N	1.4471E	46	From 1983-01-01
Wittsburg Lake	WLA	Arkansas,U.S.A.	35.1860N	90.7160W	113	From 1979-08-02
Witu Islands	WITU	New Britain,Papua New Guinea	4.6925S	149.4890E	100	From 1983-11-24
Wivenhoe Hill 3	WWHQ	Queensland,Australia	27.3702S	152.5872E		From 1984-07-12
WK&E Inc. Balko	U30A	Oklahoma,U.S.A.	36.5304N	100.6509W	881	From 2009-04-06
W Memph W Sta	HDAR	Tennessee,U.S.A.	35.1536N	90.0893W	0	
Wolfeboro	WBNH	New Hampshire,U.S.A.	43.6040N	71.0990W	200	
Wollersheim	BA14	Nordrhein-Westfalen,Germany	50.6717N	6.5661E	239	From 2006-10-01
Wollman Farm, Schrag	D08A	Washington,U.S.A.	47.0573N	118.9210W	385	From 2006-08-29 to 2008-11-12
Wolverton	WOL	England,United Kingdom	51.3127N	1.2228W	156	
Wolverton North	WON	England,United Kingdom	51.3275N	1.2008W	104	
Wonder Ranch	GWRM	California,U.S.A.	39.2072N	123.3000W	658	
Wongan Hills	WA1	Western Australia,Australia	30.9098S	116.7280E	260	From 1973-01-31 to 1973-05-19
Wonju	KSWJU	South Korea	37.4034N	128.0526E	385	From 2005-11-24
Wonju	KSWON	South Korea	37.3342N	127.9426E	149	From 1999-04-20
Wonju Array Beam Reference Point	KSAR	South Korea	37.4421N	127.8844E	109	
Wonju Array Site 1	KS01	South Korea	37.4766N	127.8940E	185	
Wonju Array Site 10	KS10	South Korea	37.4961N	127.9302E	210	
Wonju Array Site 11	KS11	South Korea	37.4808N	127.9535E	122	
Wonju Array Site 12	KS12	South Korea	37.4644N	127.9427E	176	
Wonju Array Site 13	KS13	South Korea	37.4458N	127.9302E	126	
Wonju Array Site 14	KS14	South Korea	37.4336N	127.9094E	132	
Wonju Array Site 16	KS16	South Korea	37.4516N	127.8557E	123	
Wonju Array Site 17	KS17	South Korea	37.4674N	127.8407E	139	
Wonju Array Site 18	KS18	South Korea	37.4861N	127.8444E	164	
Wonju Array Site 19	KS19	South Korea	37.5019N	127.8669E	276	
Wonju Array Site 2	KS02	South Korea	37.4953N	127.9032E	233	
Wonju Array Site 3	KS03	South Korea	37.4783N	127.9177E	155	
Wonju Array Site 32	KS32	South Korea	37.5778N	127.9519E	232	
Wonju Array Site 33	KS33	South Korea	37.7561N	128.0260E	250	
Wonju Array Site 34	KS34	South Korea	37.6028N	128.1480E	264	
Wonju Array Site 35	KS35	South Korea	37.4694N	128.0685E	177	
Wonju Array Site 36	KS36	South Korea	37.5679N	127.7190E	131	
Wonju Array Site 37	KS37	South Korea	37.7153N	127.7975E	122	
Wonju Array Site 4	KS04	South Korea	37.4566N	127.9207E	123	
Wonju Array Site 5	KS05	South Korea	37.4574N	127.8924E	139	
Wonju Array Site 6	KS06	South Korea	37.4708N	127.8719E	408	
Wonju Array Site 7	KS07	South Korea	37.4874N	127.8727E	237	
Wonju Array Site 8	KS08	South Korea	37.5153N	127.8882E	277	
Wonju Array Site 9	KS09	South Korea	37.5108N	127.9224E	323	
Wonju Array Sites 15 and 31	KS15	South Korea	37.4421N	127.8844E	112	
Wonogiri, Jawa	WOJI	Jawa,Indonesia	7.8372S	110.9236E	0	From 2008-12-01
Wooded Island	WIW	Washington,U.S.A.	46.4293N	119.2877W	128	From 1970-07-01
Wood Farm, Starbuck	E09A	Washington,U.S.A.	46.5139N	118.1455W	304	From 2006-09-26 to 2009-01-08
Woodlark Island	WDIS	D'Entrecasteaux Islands,Papua New Guinea	9.0850S	152.7190E	80	From 1983-11-21
Wood River Hill	WRH	Alaska,U.S.A.	64.4713N	148.0900W	314	
Woodside	WDS	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodside	JWSM	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodside	LT6	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodstock	WOO	Maryland,U.S.A.	39.3333N	76.8750W		
Wood Valley	WOH	Hawaii,U.S.A.	19.2513N	155.5020W	909	
Woodward Ranch, Alpine	527A	Texas,U.S.A.	30.1456N	103.6119W	1419	From 2008-03-06 to 2010-02-08
Woody	WDY	California,U.S.A.	35.7000N	118.8430W	500	From 1952-08-05 to 1970-08-27
Woody Point	WPA	Queensland,Australia	27.2603S	153.2560E	10	
Woolen Ranch, Alma	O31A	Nebraska,U.S.A.	40.1521N	99.3261W	631	From 2009-09-13
Woolibar	WOOL	Western Australia,Australia	31.0730S	121.6780E	325	From 1994-06-01
Wooly Hollow	WHAR	Arkansas,U.S.A.	35.2902N	92.2885W	184	
Woomera	WSA	South Australia,Australia	31.1450S	136.8050E		
Worcester	WOR	Massachusetts,U.S.A.	42.2667N	71.8000W	203	
Workman Tunnel	WTX	New Mexico,U.S.A.	34.0722N	106.9460W	1555	
Work Ranch	WKR	California,U.S.A.	35.8145N	120.5110W	503	
Work Ranch	PWKM	California,U.S.A.	35.8145N	120.5110W	503	
Work Ranch	PK2	California,U.S.A.	35.8145N	120.5110W	503	
Worland	I20A	Wyoming,U.S.A.	43.9496N	108.1283W	1342	From 2008-07-27
Woronora	WRNM	New South Wales,Australia	34.1414S	150.9516E	259	
Worthington Mountains	WRN	Nevada,U.S.A.	37.9815N	115.5906W	1743	From 1979-06-08 to 2002-10-10
Woss	WOSB	British Columbia,Canada	50.1607N	126.5704W	955	
Woudbloem	WDB	Netherlands	53.2090N	6.7349E	-2	
Woudbloem 1	WDB1	Netherlands	53.2083N	6.7355E	-49	From 2010-04-29
Woudbloem 2	WDB2	Netherlands	53.2083N	6.7355E	-99	From 2010-04-29
Woudbloem 3	WDB3	Netherlands	53.2083N	6.7355E	-149	From 2010-04-29
Woudbloem 4	WDB4	Netherlands	53.2083N	6.7355E	-199	From 2010-04-29
Wrangell Chichokna Glacier	WACK	Alaska,U.S.A.	61.9863N	144.3284W	2280	
Wrangell Island	WRAK	Alaska,U.S.A.	56.4191N	132.3466W	80	
Wrangell Mount Zanetti	WAZA	Alaska,U.S.A.	62.0751N	144.1522W	2531	
Wrangell North Crater	WANC	Alaska,U.S.A.	62.0031N	144.0699W	4190	
Wrangell Southwest	WASW	Alaska,U.S.A.	61.9282N	144.1724W	2196	
Wright Ranch	NWRM	California,U.S.A.	38.4570N	122.8880W	50	From 1970-08-14
Wright's Hill	WHW	North Island,New Zealand	41.2975S	174.7380E	383	From 1975-09-26 to 2003-08-15
Wright State University--Celina	WSCO	Ohio,U.S.A.	40.5460N	84.5090W	270	
Wright State University--Dayton	WSDO	Ohio,U.S.A.	39.7830N	84.0630W	289	
Wristen Ranch, Grandfalls	328A	Texas,U.S.A.	31.3818N	102.8097W	755	From 2008-04-22 to 2010-02-13
Wroclaw	BRE	Poland	51.0742N	16.9994E	125	From 1928-01-01 to 1945-01-01
Wuestenhain	WUET	Sachsen,Germany	51.0093N	12.5802E	196	From 2004-07-08
Wu-fen Shan	NWF	Taiwan region	25.0710N	121.7810E	765	
Wu-fen Shan	WFSB	Taiwan region	25.0710N	121.7810E	100	
Wuhan	WUC	Hubei,China	30.5436N	114.3500E	26	
Wuhan	WUH	Hubei,China	30.5267N	114.5580E	50	
Wuhan	WHN	Hubei,China	30.5436N	114.3500E	26	
Wulai	TWU	Taiwan region	24.8775N	121.5336E	330	From 1977-11-08
Wupatki	WUAZ	Arizona,U.S.A.	35.5169N	111.3739W	1592	From 1998-05-12
Wushi	WUS	Xinjiang Uygur Zizhiqu,China	41.1990N	79.2180E	1457	From 1988-10-21
Wuwei	WUW	Gansu,China	37.9283N	102.6380E		
Wyandotte	OWYM	California,U.S.A.	39.4530N	121.4870W	168	
Wyandotte	OWAM	California,U.S.A.	39.4530N	121.4870W	168	From 1975-08-05
Wyandotte Cave	WCI	Indiana,U.S.A.	38.2290N	86.2938W	500	
Wyangala	WYA	New South Wales,Australia	33.9269S	148.9240E		
Wyhlen	WYH	Baden-Wurttemberg,Germany	47.5508N	7.7018E	310	From 1987-04-14
Wykoff	WF-MN	Minnesota,U.S.A.	43.8014N	92.3731W	381	From 1964-08-30 to 1964-11-24
Wykoff	WF-	Minnesota,U.S.A.	43.8014N	92.3731W	381	From 1964-08-30 to 1964-11-24
Wynnburg	WYBT	Tennessee,U.S.A.	36.3477N	89.4975W	82	
Wynne	WY-	Arkansas,U.S.A.	35.6122N	90.7069W	122	
Wynne	WY-AR	Arkansas,U.S.A.	35.6122N	90.7069W	122	
Wyoming Array	WYO	Wyoming,U.S.A.	42.7778N	109.5556W	2190	From 1977-06-20 to 1999-08-25
Wyoming Array	WY0	Wyoming,U.S.A.	42.7778N	109.5560W	2190	From 1977-06-20 to 1999-08-25
X Bar L Ranch, Newkirk	W25A	New Mexico,U.S.A.	35.2177N	104.4606W	1446	From 2008-04-24
Xhotanan	XTNZ	Armenia	39.2800N	46.3800E	0	
Xi'an	SPE	Shaanxi,China	34.0394N	108.9210E	630	
Xi'an	SIA	Shaanxi,China	34.2483N	108.9200E	395	
Xi'an	XAN	Shaanxi,China	34.0394N	108.9214E	630	
Xingo	XIN	Alagoas,Brazil	9.4483S	37.8364W	285	From 1991-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Xining	SNN	Qinghai,China	36.6200N	101.7820E		
Xorichti	XOR	Greece	39.3661N	23.1919E	500	From 1996-01-01
Yaak	YKM	Montana,U.S.A.	48.8620N	115.7120W	1509	From 1976-10-01 to 2004-03-11
Yaak River Ranch, Troy	A12A	Montana,U.S.A.	48.9339N	115.6526W	928	From 2006-09-27 to 2009-08-05
YACYRETA	YCA	Parana	27.4815S	56.6928W	113	From 2002-06-28
Yadsworthy	DYA	England,United Kingdom	50.4352N	3.9309W	280	From 1982-01-01
Yagi	YGI	Wakayama,Japan	34.0681N	135.5119E	180	
Yagi	YAG	Nara,Japan	34.5167N	135.8000E	63	
Yagishiri	JYG	Rumoi,Japan	44.4268N	141.4265E	35	
Yahiko	YHKE	Niigata,Japan	37.7336N	138.8030E	30	
Yahtse	YAH	Alaska,U.S.A.	60.3633N	141.7450W	2135	From 1974-09-05
Yailyu, Altay Republic, Russia	YALR	Altayskiy Kray	51.7694N	87.6106E	451	From 2002-07-19
Yakak	AD5	Alaska,U.S.A.	51.6289N	176.9250W	152	From 1974-01-01 to 1992-02-01
Yakataga	YKGM	Alaska,U.S.A.	60.0700N	142.4220W	46	From 1972-10-08
Yakedake	YKE	Gifu,Japan	36.2743N	137.5730E	1160	
Yakima	YA-WA	Washington,U.S.A.	46.5000N	119.9200W	610	From 1963-01-29 to 1963-03-29
Yakima	YA2	Washington,U.S.A.	46.5265N	120.5312W	652	
Yakima	YAKW	Washington,U.S.A.	46.5287N	120.5218W	629	
Yakima	YA-	Washington,U.S.A.	46.5000N	119.9200W	610	From 1963-01-29 to 1963-03-29
Yakima	E06A	Washington,U.S.A.	46.5433N	120.9791W	911	From 2006-08-28 to 2008-05-13
Yakoun River	QURY	British Columbia,Canada	53.3763N	132.2225W	238	
Yakumo	JYM	O shima,Japan	42.2012N	140.2533E	170	
Yakumo 2	JYM2	O shima,Japan	42.1172N	140.3700E	120	
Yaku shima	YKS	Ryukyu Islands,Japan	30.4500N	130.4970E	15	
Yakushimahirauchi	JYAK	Ryukyu Islands,Japan	30.2378N	130.5097E	90	From 2010-02-01
Yakutat	YKU	Alaska,U.S.A.	59.5531N	139.7290W	20	From 1978-05-01 to 2004-05-13
Yakutat	YKU2	Alaska,U.S.A.	59.5121N	139.6710W	10	
Yakutat	YKT	Alaska,U.S.A.	59.3686N	138.8770W	372	From 1972-10-06 to 1974-09-30
Yakutsk	YAK	Sakha,Russia	62.0311N	129.6811E	91	
Yaldymych	YAT	Tajikistan	39.0500N	70.4300E	1410	
Yale	YLE	Connecticut,U.S.A.	41.3150N	72.9365W	5	
Yalikavak-Bodrum	YKAV	Turkey	37.1245N	27.2800E	112	From 2011-04-18
Yal¯–koy-Catalca	KIYI	Turkey	41.4846N	28.2997E	10	From 2011-01-12
Yal??k??y-??atalca	CTYL	Turkey	41.4750N	28.2891E	77	From 2007-09-29
Yallahs	YHJ	Jamaica	17.8920N	76.4930W	600	
Yalova	YLV	Turkey	40.5667N	29.3728E	829	From 1982-01-01
Yalta	YAL	Ukraine	44.4875N	34.1547E	23	
Yamagata	YAMJ	Yamagata,Japan	38.1733N	140.0370E	180	From 1978-01-01
Yamagata	YAM	Yamagata,Japan	38.2533N	140.3483E	153	
Yamanlar	YAMN	Turkey	38.5531N	27.1575E	997	From 1996-04-01 to 1999-07-01
Yamasaki	K02	Iwate,Japan	39.3744N	141.5967E	346	
Yamasaki	YZT	Hyogo,Japan	35.1030N	134.5065E	320	
Yamba Lake	YMBN	Northwest Territories,Canada	64.8742N	111.5325W	438	
Yamba Lake Northeast	YNEN	Northwest Territories,Canada	65.0883N	111.0500W	463	
Yambol	JMB	Bulgaria	42.4667N	26.5833E	216	From 1983-08-01
Yamhill	G03A	Oregon,U.S.A.	45.3153N	123.2811W	208	From 2006-07-15 to 2008-01-25
Yamizo	YMZ	Tochigi,Japan	36.9241N	140.2479E	500	From 1976-06-18
Yamizo	YMZU	Tochigi,Japan	36.9232N	140.2460E	500	From 1976-06-18
Yana	YANA	Ecuador	0.1182S	78.5712W	3780	From 1988-09-27
Yanaizu	JFY	Fukushima,Japan	37.4068N	139.7048E	420	
Yanbu' al Bahr	YNBS	Saudi Arabia	24.3396N	37.9939E	210	
Yangiyul	YNGY	Uzbekistan	41.1100N	69.0400E	352	
Yangoru	YAN	Papua New Guinea	3.6583S	143.2920E	219	
YANGPYEONG	KSYAP	South Korea	37.4848N	127.4913E	47	From 2000-01-27
Yanliau Village	TEYL	Taiwan region	23.8680N	121.5980E	30	From 1998-08-07
Yantaza	YANT	Colombia	3.8613S	78.7622W	888	From 2008-12-11
Yaongyimsen	YYI	Assam,India	26.5667N	94.6833E	707	From 1979-01-01
Yaounde	YND	Cameroon	3.8700N	11.4600E	750	From 1982-02-01 to 1986-04-23
Yaqui Meadows	YAQ	California,U.S.A.	33.1680N	116.3500W	441	
Yar	YAR	Cuba	20.3700N	76.3600W	200	
Yasaka	JKY	Kyoto,Japan	35.6285N	135.1040E	260	
Yasato	JYT	Ibaraki,Japan	36.2277N	140.1940E	31	
Yasawairara	YSA	Fiji	16.6980S	177.5777E	50	From 1984-09-22
Yasnyy	YASR	Amurskaya Oblast',Russia	53.2900N	127.9800E	330	
Yasuok	JNY	Nagano,Japan	35.3583N	137.8617E	800	
Yate Dam	BAYA	New Caledonia	22.1540S	166.8850E	163	From 2007-10-01
Yattir	YTIR	Israel	31.3630N	35.1160E	902	
Yautepec	YAIG	Morelos,Mexico	18.8620N	99.0670W	1340	
Yava	X14A	Arizona,U.S.A.	34.4692N	112.8906W	1077	From 2006-03-12 to 2008-11-06
Yavi	YJA	Jujuy,Argentina	22.1759S	65.5142W	3510	From 1981-12-01
Yayladag	YAYL	Turkey	36.0343N	36.1070E	1225	From 2006-11-27
Yaylak	YAYX	Turkey	38.9386N	33.8115E	1142	From 2010-06-30
Yayoi	YAY	Aomori,Japan	40.6572N	140.3782E	270	
Yecheon	KSYCH	South Korea	36.6296N	128.4260E	94	From 2007-12-12
Yedisu-Bingol	YEDI	Turkey	39.4377N	40.5443E	1557	From 2011-05-03
Yeelanna, site6	YE6	South Australia,Australia	34.1589S	135.8323E	180	From 2003-12-11
Yeguas Mountain	YEG	California,U.S.A.	35.4363N	119.9590W	939	
Yeheng	YHNB	Taiwan region	24.6697N	121.3757E	775	
Yell	YELU	Shetland Islands,United Kingdom	60.5509N	1.0830W	200	
Yell	YEL1	Shetland Islands,United Kingdom	60.5509N	1.0830W	203	From 1979-01-01
Yellepit	YPT	Washington,U.S.A.	46.0488N	118.9622W	325	
Yellice	YELT	Turkey	40.4962N	29.1738E	765	From 1994-01-01
Yellow Bay	YBMT	Montana,U.S.A.	47.8633N	114.0115W	1415	
Yellow Creek Bluff	YCB	Alaska,U.S.A.	56.6483N	158.6820W	320	From 1974-01-01
Yellowknife	YKC	Northwest Territories,Canada	62.4783N	114.4730W	198	From 1964-07-15
Yellowknife	RSNT	Northwest Territories,Canada	62.4797N	114.5920W	50	From 1982-01-01 to 1987-12-31
Yellowknife Ar.	YKR8	Northwest Territories,Canada	62.4932N	114.6050W	197	From 1962-01-01
Yellowknife Array	YKR0	Northwest Territories,Canada	62.4931N	114.5090W	205	From 1962-01-01 to 1976-05-31
Yellowknife Array Beam Reference Point	YKA	Northwest Territories,Canada	62.4932N	114.6053W	197	From 1962-01-01
Yellowknife Array Site B0	YKB0	Northwest Territories,Canada	62.6059N	114.6050W	221	From 1962-01-01
Yellowknife Array Site B1	YKB1	Northwest Territories,Canada	62.4024N	114.6054W	172	From 1962-01-01
Yellowknife Array Site B2	YKB2	Northwest Territories,Canada	62.4248N	114.6054W	180	From 1962-01-01
Yellowknife Array Site B3	YKB3	Northwest Territories,Canada	62.4486N	114.6052W	187	From 1962-01-01
Yellowknife Array Site B4	YKB4	Northwest Territories,Canada	62.4711N	114.6049W	192	From 1962-01-01
Yellowknife Array Site B6	YKB6	Northwest Territories,Canada	62.5165N	114.6050W	202	From 1962-01-01
Yellowknife Array Site B7	YKB7	Northwest Territories,Canada	62.5390N	114.6053W	204	From 1962-01-01
Yellowknife Array Site B8	YKB8	Northwest Territories,Canada	62.5616N	114.6047W	197	From 1962-01-01
Yellowknife Array Site B9	YKB9	Northwest Territories,Canada	62.5829N	114.6039W	213	From 1962-01-01
Yellowknife Array Site R1	YKR1	Northwest Territories,Canada	62.4927N	114.9456W	170	From 1962-01-01
Yellowknife Array Site R2	YKR2	Northwest Territories,Canada	62.4928N	114.8964W	175	From 1962-01-01
Yellowknife Array Site R3	YKR3	Northwest Territories,Canada	62.4930N	114.8477W	176	From 1962-01-01
Yellowknife Array Site R4	YKR4	Northwest Territories,Canada	62.4928N	114.7995W	173	From 1962-01-01
Yellowknife Array Site R5	YKR5	Northwest Territories,Canada	62.4933N	114.7499W	182	From 1962-01-01
Yellowknife Array Site R6	YKR6	Northwest Territories,Canada	62.4933N	114.7014W	192	From 1962-01-01
Yellowknife Array Site R7	YKR7	Northwest Territories,Canada	62.4934N	114.6537W	198	From 1962-01-01
Yellowknife Array Site R9	YKR9	Northwest Territories,Canada	62.4932N	114.5558W	201	From 1962-01-01
Yellowknife Array Sites B5 and R8	YKB5	Northwest Territories,Canada	62.4932N	114.6053W	196	From 1962-01-01
Yellowknife Array Site W1	YKW1	Northwest Territories,Canada	62.4932N	114.5090W	198	
Yellowknife Array Site W2	YKW2	Northwest Territories,Canada	62.4248N	114.6054W	200	
Yellowknife Array Site W3	YKW3	Northwest Territories,Canada	62.5608N	114.6160W	198	
Yellowknife Array site W4	YKW4	Northwest Territories,Canada	62.4922N	114.7419W	200	
Yellowpoint	PHYB	British Columbia,Canada	49.0828N	123.8431W	0	From 2004-05-05
Yellow Rock	YEL	Washington,U.S.A.	46.2096N	122.1890W	1750	
Yellowstone Ranch, Lander	K20A	Wyoming,U.S.A.	42.6579N	108.3418W	1736	From 2007-11-09 to 2009-10-08
Yel'tsovka	ELT	Altayskiy Kray,Russia	53.2611N	86.2389E	215	
Yenicaga	BCAM	Turkey	40.8158N	32.0656E	1207	From 2009-11-25
Yen Tu	YTV	Vietnam	21.1570N	106.7170E	0	From 2001-01-01
YEONCHEON	YNCB	South Korea	38.0399N	126.9258E	56	From 2009-01-01
YEONGCHEON	KSYOC	South Korea	35.9713N	128.9522E	94	From 2000-11-20
Yeongdeok	KSYOD	South Korea	36.5000N	129.4000E	41	From 2000-03-09
YEONGJU	KSYOJ	South Korea	36.8680N	128.5181E	210	From 2000-11-22
Yeongwol	KSYOW	South Korea	37.1737N	128.4558E	239	From 2000-02-22
Yeosu	KSYOS	South Korea	34.7350N	127.7390E	66	From 2000-02-09
YEOSU	KSYSU	South Korea	35.1027N	127.5968E	557	From 2006-12-30
Yerba Buena Island	YBIB	California,U.S.A.	37.8142N	122.3592W	-88	
Yerba Buena Island	CYBM	California,U.S.A.	37.8113N	122.3610W	24	
Yeremizino-Borisovskaya	ERBR	Krasnodarskiy Kray	45.7146N	40.4835E	286	From 2009-10-07
Yerevan	ERE	Armenia	40.1700N	44.4700E	998	From 1932-01-01
Yerington	YERR	Nevada,U.S.A.	38.9852N	119.2406W	1857	

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Yerkesik	YER	Turkey	37.1347N 28.2828E	730	From 1974-07-01
Yerranderie	YERM	New South Wales,Australia	34.1425S 150.2321E	554	
Yesilyurt	YESY	Turkey	37.7825N 33.7431E	1206	From 2010-06-30
Yiju	CHN8	Taiwan region	23.3460N 120.2110E	6	
Yilanlidag	MUGL	Turkey	37.2075N 28.4675E	1465	From 2002-11-08 to 2003-05-25
Yinchuan	YNC	Ningxia,China	38.4750N 106.2700E		
Yingkou	YIN	Liaoning,China	40.6667N 122.2333E	2	From 1934-01-01 to 1937-12-31
Ylistaro	VAF	Finland	63.0422N 22.6715E	55	From 1989-06-06
YMCA Camp	YCM	Montana,U.S.A.	46.5256N 112.3940W	1597	From 1974-08-06 to 1976-10-04
Yogyakarta	YOGI	Jawa,Indonesia	7.8166S 110.2949E	160	From 2005-12-01
Yokaichiba	YKI	Chiba,Japan	35.7185N 140.5088E	-142	
Yokohama	YOK	Kanagawa,Japan	35.4367N 139.6567E	38	
Yokooka	YOKT	Akita,Japan	39.1600N 139.9800E	260	
Yokosk	JYO	Kanagawa,Japan	35.2238N 139.6653E	80	
Yokosuka	YSK	Kanagawa,Japan	35.3167N 139.6500E		
Yo Moklole	YOMI	Irian Jaya,Indonesia	2.6428S 140.5600E	260	
Yonago	YON	Tottori,Japan	35.4317N 133.3417E	7	
Yonago 2	YONJ	Tottori,Japan	35.1883N 133.4630E	320	
Yonaguni jima	YOJ	Ryukyu Islands,Japan	24.4617N 123.0108E	32	
Yonaguni jima 2	JYJ	Ryukyu Islands,Japan	24.4502N 122.9437E	22	
Yonagunijimakubura	JYNG	Ryukyu Islands,Japan	24.4512N 122.9452E	15	From 2010-02-01
Yonkie	YYYY	Papua New Guinea	6.2412S 145.9690E	1314	From 1988-06-02
Yorkshire	YSNY	New York,U.S.A.	42.4758N 78.5375W	628	From 1993-08-18 to 2002-12-20
Yoshimatsu	YOSD	Kagoshima,Japan	32.0006N 130.7278E	315	
Yoshimatsu	YSM	Kagoshima,Japan	32.0267N 130.7361E	215	
Yoshiwara	YOS	Shizuoka,Japan	35.1667N 138.6830E		
Yoshizawa	JYZW	Shizuoka,Japan	34.9960N 137.7337E	93	
Youbou, Lake Cowichan	YOUB	British Columbia,Canada	48.9010N 124.2618W	771	
Young	YOU	New South Wales,Australia	34.2783S 148.3817E	503	From 1974-07-01 to 1998-08-17
Young	YNG	New South Wales,Australia	34.2980S 148.3963E	460	From 1999-01-01
YOUNGJONGDO	YJD	South Korea	37.4668N 126.4335E	34	From 2001-11-07
Youngstown State University	YSUO	Ohio,U.S.A.	41.1041N 80.6481W	274	
Youssef Ben Tachfine	YBT	Morocco	29.8456N 9.4983W	69	
Yozgat	YOZ	Turkey	39.6400N 35.3200E	1422	
Yr Eifl	YRE	Wales,United Kingdom	52.9810N 4.4254W	197	From 1984-01-01
Yreka	YR-CL	California,U.S.A.	41.6353N 122.7539W	914	From 1965-10-25 to 1967-10-06
Yreka	YR-	California,U.S.A.	41.6353N 122.7539W	914	From 1965-10-25 to 1967-10-06
Yreka Blue Horn Mine, Yreka	YBH	California,U.S.A.	41.7320N 122.7104W	1059	From 1993-07-24
Yuanlin Township	WYL	Taiwan region	23.9610N 120.5800E	25	
Yuasa	YAS	Wakayama,Japan	34.0328N 135.1822E	10	
Yuba Gap, Truckee	P05C	California,U.S.A.	39.3028N 120.6077W	1756	From 2005-06-07 to 2007-10-13
Yucca	X13A	Arizona,U.S.A.	34.5935N 113.8302W	889	From 2006-03-14 to 2008-10-18
Yucca Flat NTS	YF-NV	Nevada,U.S.A.	37.0683N 116.0019W	1271	
Yucca Flat NTS	YF3NV	Nevada,U.S.A.	37.0728N 116.0242W	1254	
Yucca Flat NTS	YF4NV	Nevada,U.S.A.	37.0747N 116.0367W	1244	
Yucca Flat NTS	YF2NV	Nevada,U.S.A.	37.0694N 116.0122W	1260	
Yucca Mountain	YMT1	Nevada,U.S.A.	36.8539N 116.5300W	1002	
Yucca Mountain	YMT5	Nevada,U.S.A.	36.8987N 116.4534W	1381	From 1981-04-01 to 2002-10-10
Yucca Mountain	YMT2	Nevada,U.S.A.	36.7853N 116.4866W	1079	From 1981-03-05 to 2002-12-10
Yucca Mountain	YM-NV	Nevada,U.S.A.	36.9314N 116.5542W	1341	
Yucca Mountain	YMT3	Nevada,U.S.A.	36.7860N 116.4130W	1088	
Yucca Mountain	YMT6	Nevada,U.S.A.	36.8557N 116.4000W	1149	From 1981-04-01 to 2002-10-10
Yucca Mountain	YMT4	Nevada,U.S.A.	36.8487N 116.4503W	1283	From 1981-04-01 to 2002-10-10
Yuchr	TYC	Taiwan region	23.9040N 120.8570E	20	
Yuen Ng Fan	YHK	Hong Kong,China	22.3777N 114.3378E	87	
Yuha Desert	YUH	California,U.S.A.	32.6477N 115.9230W	186	
Yuktali	YKLR	Sakha,Russia	56.5915N 121.6542E	417	From 2004-07-04
Yuli	TWF	Taiwan region	23.3492N 121.2960E	180	From 1974-01-30
Yuli	TWF1	Taiwan region	23.3522N 121.2970E	260	From 1977-08-26
Yu-li	YULB	Taiwan region	23.3924N 121.2973E	295	
Yuma	112A	Arizona,U.S.A.	32.5356N 114.5804W	87	From 2007-05-06 to 2008-10-22
Yuma Desert	YMD	Arizona,U.S.A.	32.5547N 114.5450W	76	
Yuma Proving Gounds (US Army), Dateland	Z13A	Arizona,U.S.A.	33.1999N 113.6568W	375	From 2008-02-07 to 2009-01-30
Yumen	YUM	Gansu,China	40.2967N 97.0150E		
Yumesaki	YST	Hyogo,Japan	35.0008N 134.6285E	220	
Yumurtalik	YUMT	Turkey	36.7710N 35.7880E	27	From 1994-03-01
Yung-k'ang	TAI1	Taiwan region	23.0400N 120.2280E	-190	
Yunotani	YNT	Niigata,Japan	37.2233N 139.0145E	170	
Yupe	YPE	El Salvador	14.1217N 89.6806W	1581	
Yupiltepeque	YUP	Guatemala	14.2013N 89.8015W	1430	From 1980-08-01
YUREGIR	YURE	Turkey	36.8259N 35.6324E	491	From 2006-12-01
Yu-Shan	YUS	Taiwan region	23.4893N 120.9520E	3845	
Yuwa	JYW	Akita,Japan	39.5403N 140.2085E	30	
Yuzawa	YZU	Niigata,Japan	36.8952N 138.7813E	600	
Yuzh-Kuril'sk	YUK	Sakhalinskaya Oblast',Russia	44.0347N 145.8614E	28	
Yuzh-Sakhalinsk	YSS	Sakhalinskaya Oblast',Russia	46.9539N 142.7550E	98	
Yverdon-Jordils	SYVJ	Switzerland	46.7771N 6.6375E	434	From 1992-06-05
Yverdon-les-Bains, rue des Philosophes	SYVP	Switzerland	46.7747N 6.6417E	434	From 2011-05-01
Zabid	ZBID	Yemen	14.1958N 43.3167E	0	
Zabrze	ZAB	Poland	50.3014N 18.7944E	258	
Zacaltic	ZAC	Chiapas,Mexico	17.2500N 92.7610W	380	
Zacatecas	ZAIG	Zacatecas,Mexico	22.7690N 102.5670W	2408	
Zafferana	ZA1	Sicily,Italy	37.6853N 15.0900E	875	
Zaghouan	ZGN	Tunisia	36.3700N 10.1000E	720	
Zagreb	ZAG	Croatia	45.8270N 15.9870E	188	From 1983-01-01
Zagreb	ZAG*	Croatia	45.8167N 15.9833E	155	From 1906-04-04 to 1983-12-31
Zahedan	ZHSF	Iran	29.6110N 60.7750E	1575	From 1999-10-10
Zahran al Janub	DJNS	Saudi Arabia	17.7014N 43.5449E	2250	
Zaio	ZAI	Morocco	34.9700N 2.7460W	750	
Zakamensk	ZAK	Buryatiya,Russia	50.3819N 103.2806E	1200	
Zakatala	ZKTA	Azerbaijan	41.6380N 46.6220E	497	From 2009-10-26
Zakros	ZKR	Crete,Greece	35.1147N 26.2170E	270	
Zakynthos	ZKS	Greece	37.6969N 20.7853E	371	From 2010-05-11
Zalesovo	ZAL	Altayskiy Kray,Russia	53.9367N 84.7981E	213	
Zalesovo Array Site A0	ZAA0	Altayskiy Kray,Russia	53.9481N 84.8188E	229	
Zalesovo Array Site A1	ZAA1	Altayskiy Kray,Russia	53.9524N 84.8190E	246	
Zalesovo Array Site A2	ZAA2	Altayskiy Kray,Russia	53.9439N 84.8237E	207	
Zalesovo Array Site A3	ZAA3	Altayskiy Kray,Russia	53.9477N 84.8091E	242	
Zalesovo Array Site B1	ZAB1	Altayskiy Kray,Russia	53.9637N 84.8308E	245	
Zalesovo Array Site B2	ZAB2	Altayskiy Kray,Russia	53.9488N 84.8462E	253	
Zalesovo Array Site B3	ZAB3	Altayskiy Kray,Russia	53.9368N 84.8342E	234	
Zalesovo Array Site B4	ZAB4	Altayskiy Kray,Russia	53.9377N 84.7985E	199	
Zalesovo Array Site B5	ZAB5	Altayskiy Kray,Russia	53.9566N 84.7972E	195	
Zalesovo Beam	ZALV	Altayskiy Kray,Russia	53.9481N 84.8188E	229	
ZALESOVO INFRASONIC ARRAY REFERENCE POINT	MKAR	Altayskiy Kray	53.9487N 84.8189E	232	From 2006-11-30
Zalf	ZALF	Syria	32.9221N 37.3342E	532	From 1994-12-01
Zalla	LZLA	Libya	28.5537N 17.5613E	239	
Zamaca	PT04	Peru	14.6717S 75.6150W	400	
Zamans	EZAM	Spain	42.1490N 8.6950W	398	From 1986-12-01
Zamboanga	ZMP	Mindanao,Philippines	6.9196N 122.0633E	0	From 1982-09-23 to 1997-01-01
Zamboanga City	ZMPH	Mindanao,Philippines	6.9540N 122.0640E	59	
Zamora	NE28	Spain	41.4140N 5.7550W	720	
Zangian	ZNGN	Iran	32.1174N 50.8542E	2662	From 2011-01-01
Zanguenga, Chorrera	ZANG	Panama	8.9561N 79.8667W	110	From 2004-10-01
Zanja@18n	ZNJK	Iran,Iran	36.6700N 48.6850E	2200	
Zanoah	ZNH	Israel	31.6770N 35.0000E	440	
Zante	ZAN	Greece	37.6500N 20.6667E	4	
Zapallar	ZACH	Valparaiso,Chile	32.5533S 71.4583W	44	
Zapla	AZAP	Jujuy,Argentina	24.2245S 65.0663W	2159	
Zaqatala	ZKT	Azerbaijan	41.6540N 46.6670E	530	From 1979-01-01
Zarasai	IZAR	Lithuania	55.7497N 26.2458E	184	
Zara_SIVAS	CUZAR	Turkey	39.8882N 37.7705E	1425	From 2010-09-14
Zardab	ZRD	Azerbaijan	40.2790N 47.6840E	30	From 2010-12-02
Zarechye	ZRHB	Buryatiya,Russia	52.5540N 107.1520E	480	From 1999-12-01
Zatriq	ZATK	Kosovo	42.4484N 20.6229E	1060	From 2008-07-06
Zavalia	ZAV	Texas,U.S.A.	31.1192N 94.5453W		
Zavodnje	ZAVS	Slovenia	46.4342N 15.0246E	741	From 2005-08-11
Zavoj	ZAPS	Serbia	43.2737N 22.6336E	624	From 2004-10-22
Zeckenberg-Ebnath	MZEK	Bayern,Germany	49.9626N 11.9474E	627	From 2001-04-24

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Zefat	SAF	Israel	32.9600N	35.4950E	800	
Zefreh	IZEF	Iran	32.8956N	52.3291E	2320	From 2000-09-01
Zelena Hora	ZHC	Czech Republic	50.0706N	12.3087E	631	From 1996-01-10
Zelenaya	ZLN	Kamchatskaya Oblast',Russia	56.0169N	160.8039E	1120	
Zelenogorsk	ZLNR	Krasnoyarskiy Kray,Russia	56.1190N	94.5175E	250	From 2005-04-27
Zerenda	ZRNK	Kazakhstan	52.9508N	69.0042E	384	From 1994-07-22
Zerenda array site	ZRN9	Kazakhstan	52.9771N	69.0027E	368	From 1995-08-12
Zerenda array site	ZRN4	Kazakhstan	52.9704N	69.0323E	382	From 1995-08-12
Zerenda array site	ZRN8	Kazakhstan	52.9546N	68.9633E	364	From 1995-08-12
Zerenda array site	ZRN7	Kazakhstan	52.9294N	68.9772E	388	From 1995-08-12
Zerenda array site	ZRN6	Kazakhstan	52.9271N	69.0337E	405	From 1995-08-12
Zerenda array site	ZRN5	Kazakhstan	52.9461N	69.0485E	407	From 1995-08-12
Zerhoun	ZER	Morocco	34.0190N	5.4700W	1118	
Zernez	SZER	Switzerland	46.6975N	10.0977E	1471	From 2006-08-16
Zevekote	BZEV	Belgium	51.1370N	2.8995E	2	From 1992-04-12
Zeya	ZEA	Amurskaya Oblast',Russia	53.7380N	127.2500E	273	
Zeytinkoy-Aydin	AYDB	Turkey	37.9466N	27.8908E	1246	From 2009-10-03
Zfri	ZFRI	Israel	30.5540N	35.1780E	-37	
Zhob	ZHOB	Pakistan	31.3300N	69.4100E	1417	From 2006-04-02
Zihuatanejo	ZIIG	Guerrero,Mexico	17.6067N	101.4650W	32	
Zihuatanejo	ZIH	Guerrero,Mexico	17.6100N	101.4620W	5	
Zihuatanejo	ZHGX	Guerrero,Mexico	17.6083N	101.4650W		
Zimchurud	ZIM	Tajikistan	38.7667N	68.8000E		
Zion National Park	ZNPU	Utah,U.S.A.	37.3561N	113.1254W	1953	From 2009-10-22
ZIRO	ZIRO	Arunachal Pradesh	27.5266N	93.8499E	1600	From 2011-05-01
Zishin	ZIS	Guatemala	14.0333N	90.4550W	50	From 1979-09-01
Zocca	ZCCA	Italy	44.3509N	10.9765E	700	
Zomba	ZOMB	Malawi	15.3833S	35.3500E	885	From 2006-06-01
Zonda	ZON	San Juan,Argentina	31.5458S	68.6786W	730	
Zongo (La Paz)	ZOBO	Bolivia	16.2694S	68.1240W	4397	
Zongo (La Paz)	ZLP	Bolivia	16.2694S	68.1240W	4397	
Zonguldak	ZGT	Turkey	41.4508N	31.7611E	70	From 1980-01-01 to 1981-06-30
Zoufplan	ZOU	Italy	46.5567N	12.9733E	1896	From 1982-10-17
Zuerich Laegern	ZLA	Switzerland	47.4822N	8.3892E	780	
Zugar Island	ZUQR	Yemen	13.9848N	42.7508E	171	From 2007-11-24
Zugdidi	ZUG	Georgia	42.5167N	41.8833E	110	
Zuidlaarderveen	ZLV1	Netherlands	53.0921N	6.7533E	-48	From 2010-05-18
Zuidlaarderveen	ZLV2	Netherlands	53.0921N	6.7533E	-98	From 2010-05-18
Zuidlaarderveen	ZLV3	Netherlands	53.0921N	6.7533E	-148	From 2010-05-18
Zuidlaarderveen	ZLV	Netherlands	53.0931N	6.7500E	1	
Zuidlaarderveen	ZLV4	Netherlands	53.0921N	6.7533E	-198	From 2010-05-18
Zuidlaarderveen (2)	ZL22	Netherlands	53.0921N	6.7533E	-16	From 2009-04-10
Zuidlaarderveen (2)	ZL21	Netherlands	53.0921N	6.7533E	34	From 2009-04-10
Zuidlaarderveen (2)	ZL24	Netherlands	53.0921N	6.7533E	-116	From 2009-04-10
Zuidlaarderveen (2)	ZL23	Netherlands	53.0921N	6.7533E	-66	From 2009-04-10
ZUMPANGO	ZUVM	Mexico	19.8265N	99.0775W	2288	From 2009-06-04
Zunzarren	IZUN	Spain	42.8610N	1.4564W	701	From 2007-03-01
Zuqar Island	ZQRN	Yemen	14.0478N	42.7257E	38	From 2007-12-18
Zurich-Lageren	ZUL	Switzerland	47.4813N	8.3903E	700	From 1975-01-01 to 1986-07-09
Zur Nathan	ZNT	Israel	32.2400N	35.0280E	234	
Zu Zu	ZZT	Tennessee,U.S.A.	35.3640N	89.3720W	120	From 1974-03-01 to 1975-09-30
Zweins	ZWE1	Netherlands	53.1885N	5.6045E	-30	From 2010-03-24
Zweins	ZWE4	Netherlands	53.1885N	5.6045E	-120	From 2010-03-24
Zweins	ZWE2	Netherlands	53.1885N	5.6045E	-60	From 2010-03-24
Zweins	ZWE3	Netherlands	53.1885N	5.6045E	-90	From 2010-03-24
Zyfflich	NE41	Nordrhein-Westfalen,Germany	51.8239N	5.9745E	13	
	RSHS	Saudi Arabia,Saudi Arabia	28.2997N	34.7968E	280	
	CMPA	Pennsylvania,U.S.A.	40.3500N	76.0100W		
	JLOS	Saudi Arabia,Saudi Arabia	28.7351N	35.4916E	1320	
	HQRM	California,U.S.A.	36.8337N	121.2127W		
	SQR	Egypt	29.8813N	31.1959E	107	
	IL31	Alaska,U.S.A.	64.7714N	146.8866W		
	SHMS	Saudi Arabia,Saudi Arabia	21.4485N	39.6907E	252	
	IL01	Alaska,U.S.A.	64.7716N	146.8861W		
	WJHS	Saudi Arabia,Saudi Arabia	26.7318N	36.3944E	195	
	LBOS	Yemen	13.8710N	45.2490E	2325	
	SHBS	Saudi Arabia,Saudi Arabia	21.0046N	39.6829E	182	
	MBBY	Montserrat	16.6977N	62.2025W	160	
	KFJS	Saudi Arabia,Saudi Arabia	28.1866N	47.9416E	150	
	NE20	Spain	36.8525N	2.4598W		
	SWA1	Egypt	29.2632N	25.7098E	48	
	MBSS	Montserrat	16.6870N	62.1603W	395	
	SHRM	Egypt	27.8925N	34.1322E	275	
	DRGR	Romania	46.7916N	22.7111E	921	
	SWA2	Egypt	29.2432N	25.4556E	45	
	WHR	Nevada,U.S.A.	40.0400N	118.3600W	0	
	ZAF	Egypt	29.2819N	32.5487E	153	
	FLV	Nevada,U.S.A.	37.8100N	117.9100W	0	
	EZ5V	Colima,Mexico	19.4792N	103.6022W	2180	
	HLS	Peru	8.8470S	77.8890W		
	TR2	Egypt	28.3853N	33.7227E	239	
	SANZ	El Salvador	13.5577N	88.5228W	310	
	FDAS	Saudi Arabia,Saudi Arabia	21.8336N	40.3588E	200	
	GRER	Romania	45.3801N	26.9746E	276	
	APRS	Egypt	24.3718N	30.7126E	184	
	JSGM	California,U.S.A.	37.2827N	122.0500W		
	ZNM	Egypt	29.3761N	32.8752E	201	
	HCAT	Egypt	28.7750N	33.9790E	410	
	SUZ	Egypt	29.8406N	32.8322E	268	
	ANTT	Turkey	36.2203N	36.1569E	60	
	STKZ	Armenia	39.8126N	46.7520E	770	
	AL35	Alaska,U.S.A.	64.9447N	147.8595W		
	HSIG	Mexico D.F.,Mexico	29.0196N	110.9490W	250	
	CR2G	Colombia	1.2077N	77.3590W	4058	
	HPIG	Mexico D.F.,Mexico	26.9352N	105.6655W	1786	
	BIAC	Colombia	3.2913N	76.1973W		
	SLWS	Saudi Arabia,Saudi Arabia	24.7978N	50.6437E	75	
	TESR	Romania	46.5118N	26.6489E	372	
	ZEIT	Egypt	27.8698N	33.5388E	232	
	AL34	Alaska,U.S.A.	64.9100N	147.4464W		
	UPIG	Panama	8.9906N	79.5342W	41	
	VARR	Romania	45.8802N	27.8570E	233	
	NUB	Egypt	29.0276N	34.6474E	153	
	EMPA	Peru	6.6630S	79.4430W	500	
	ASUT	Egypt	27.3967N	31.5626E	237	
	GOLR	Romania	44.8399N	24.9629E	301	
	HUEN	Managua,Nicaragua	12.3375N	86.1722W	50	
	KMST	Turkey	37.5239N	36.9936E	670	
	CGIG	Mexico D.F.,Mexico	30.3652N	107.9773W	1524	
	HSFG	Egypt	26.5675N	33.9292E	151	
	TBS2	Panama	8.7933N	82.6569W	1397	
	ACVZ	Colombia	1.2270N	77.3588W	1470	
	GDLC	Jalisco,Mexico	20.6827N	103.3775W	1577	
	JYSA	Finland	62.7700N	24.8700E		
	SLUM	Egypt	31.4916N	25.2123E	79	
	IM03	Alaska,U.S.A.	65.9835N	153.7491W		
	HQLS	Saudi Arabia,Saudi Arabia	29.3003N	35.0622E	543	
	NE21	Portugal	40.3997N	7.5442W	815	
	BAR1	Costa Rica,Costa Rica	9.2422N	83.3117W	530	
	NE24	Spain	38.3553N	0.4873W		
	R15V	Colima,Mexico	19.1700N	103.9830W	632	
	GHRR	Romania	46.0605N	27.4080E	212	
	CSAN	Managua,Nicaragua	12.1833N	86.4222W	50	
	SECR	Romania	45.0355N	26.0676E	417	
	YOBS	Saudi Arabia,Saudi Arabia	24.3578N	38.7424E	372	
	NE22	Spain	36.7275N	4.4111W		
	H06S	Colima,Mexico	18.7300N	110.9600W	10	
	NE19	Spain	42.4578N	2.5032W		
	BOQSS	Saudi Arabia,Saudi Arabia	25.8689N	49.3758E	210	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
	NE33	Belgium	50.6092N	6.0066E		
	HRDDS	Saudi Arabia,Saudi Arabia	22.9272N	49.4616E	150	
	FULR	Romania	44.8877N	26.4419E	114	
	HQSR	Egypt	25.7554N	34.3871E	149	
	NE23	Spain	41.4164N	2.1250E		
	FG6	Guatemala	14.5600N	90.8828W	2500	
	NT-	Nevada,U.S.A.	37.2758N	116.4183W		
	CHI2	Colombia	4.6439N	73.7400W	3100	
	BM03	Alaska,U.S.A.	67.4192N	144.6071W		
	TR1	Egypt	28.0068N	33.9521E	274	
	NGVM	California,U.S.A.	38.2807N	122.2148W		
	ASYS	Saudi Arabia,Saudi Arabia	27.5046N	44.3412E	580	
	LUCR	Romania	44.9737N	27.1011E	91	
	HADB	Egypt	25.3510N	34.6238E	187	
	PETR	Romania	45.7230N	27.2310E	86	
	BTHS	Saudi Arabia,Saudi Arabia	24.0459N	50.8460E	89	
	OLGA	Colombia	1.2243N	77.3537W	4100	
	LYLS	Saudi Arabia,Saudi Arabia	22.0384N	47.2447E	460	
	ECALA	Colombia	1.2138N	77.4226W	2353	
	H06E	Colima,Mexico	18.7800N	110.9200W	10	
	QEN	Egypt	26.2237N	32.8496E	333	
	TUDR	Romania	45.5939N	27.6687E	66	
	MRYT	Montserrat	16.7038N	62.1532W	355	
	NMCM	California,U.S.A.	35.8428N	117.9048W		
	LUTC	Czech Republic	49.8840N	18.4160E		
	LUK	Luzon,Philippines	14.1200N	121.5170E	500	
	AANS	Egypt	30.2909N	31.3998E	42	
	LUL	California,U.S.A.	38.0500N	119.1800W	0	
	SULR	Romania	44.6785N	26.2551E	73	
	PRSC	Czech Republic	49.0150N	18.5540E	0	
	LOEW	Colombia	1.3537N	77.3780W	2350	
	GALR	Romania	43.8275N	28.5751E	56	
	NSPM	California,U.S.A.	38.1827N	122.4533W		
	ANVZ	Colombia	1.2220N	77.3530W	4170	
	NSP	Nevada,U.S.A.	36.7300N	116.2100W	0	
	AMRG	Georgia	42.5156N	43.1369E	614	
	TLCR	Romania	45.1861N	28.8150E	73	
	COB3	Colombia	1.1890N	77.3473W	3625	
	BC03	Alaska,U.S.A.	63.0656N	141.7851W		
	NISS	Serbia	43.4035N	21.9474E	782	From 2006-04-05 to 2008-07-23
	MBRV	Montserrat	16.8113N	62.1961W	231	
	MUMZ	El Salvador	13.5555N	88.4792W	410	
	BMK*	Morocco	34.6590N	2.9340W		
	FPK	Nevada,U.S.A.	39.2200N	118.1500W	0	
	CHOC	Czech Republic	49.7690N	18.5610E		
	NT2	Nevada,U.S.A.	37.2533N	116.2858W		
	BC3*	Alaska,U.S.A.	63.0656N	141.7851W		
	DWK	Meghalaya,India	25.1867N	92.0227E		
	LTRR	Romania	45.4284N	23.7584E	1418	
	NAR2	Colombia	1.2688N	77.3687W	2870	
	XTAL	Ecuador	0.2020S	78.6688W	2040	
	HCA	Peru	5.5830S	79.4330W		
	MBGE	Montserrat	16.6900N	62.1937W	183	
	PCIG	Chiapas,Mexico	15.7047N	93.2188W	5	
	MBLG	Montserrat	16.7250N	62.1623W	287	
	VOIR	Romania	45.4371N	25.0496E	969	
	ZIMR	Romania	43.6572N	25.3652E	74	
	NFRM	California,U.S.A.	38.5227N	123.1610W		
	PLAZ	Colombia	1.2593N	77.2790W	3000	
	URCR	Colombia	1.2195N	77.3432W	3494	
	PKSG	Hungary	47.3918N	18.3907E	200	
	JPSM	California,U.S.A.	37.1990N	122.3483W		
	MBGB	Montserrat	16.7323N	62.2278W	253	
	BG3	South Carolina,U.S.A.	34.9930N	82.9317W	366	
	SIRB	Romania	45.4801N	26.2616E	512	
	MZVM	Mexico D.F.,Mexico	19.1892N	99.2293W		
	AWBH	Egypt	28.3210N	28.9040E	191	
	MBWH	Montserrat	16.7422N	62.1908W	407	
	TPTI	Sumatera,Indonesia	3.2600N	97.1800E	9	
	MBMH	Montserrat	16.7763N	62.1925W	270	
	KLSI	Sumatera,Indonesia	4.6900S	104.7300E	81	
	MDUM	Montserrat	16.7000N	62.1667W	1000	
	MBRY	Montserrat	16.7038N	62.1532W	355	
	MGAT	Montserrat	16.7102N	62.1887W	479	
	NE25	Spain	40.8206N	0.4933E		
	MCPZ	Montserrat	16.7068N	62.1812W	759	
	ZAPC	Czech Republic	49.8320N	18.4280E		
	ETYK	Hungary	47.4403N	18.7448E	248	
	OZUR	Romania	46.0957N	25.7864E	674	
	EGS	Taiwan region	24.8450N	121.9320E	2	
	NLNM	California,U.S.A.	38.1525N	122.7125W		
	QRHJ	Jordan	29.6850N	35.3220E	810	
	JORD	New York,U.S.A.	44.3400N	74.6100W		
	WMD	California,U.S.A.	37.4400N	118.6400W	0	
	THIG	Chiapas,Mexico	14.9077N	92.2652W	15	
	ORGA	Alberta,Canada	49.5539N	114.1008W	1257	
	EPCH	Peru	6.0090S	79.6850W	720	
	TGIG	Chiapas,Mexico	16.7782N	93.1222W	612	
	KARJ	Jordan	31.1200N	35.6530E	124	
	PUYI	Colombia	1.2977N	77.3230W	2370	
	DIC	Ivory Coast	6.2083N	4.9892W		
	MBGA	Montserrat	16.7102N	62.1887W	479	
	HADR	Romania	47.0106N	27.4301E	435	
	GLFJ	Jordan,Jordan	29.5080N	35.0080E	25	
	DARB	Saudi Arabia	17.7400N	42.2400E	0	
	RSH	Egypt	30.9600N	33.7220E	217	

SEISMOLOGICAL OBSERVATORIES

IN ALPHABETICAL ORDER OF STATION CODE

Code	*Station Name*	*Other*
034A	Hebbronville	
035A	Encino	
035Z	Hargill	
109C	Camp Elliot, Miramar	
112A	Yuma	
113A	Mohawk Valley, Roll	
114A	Black Gap (USAF), Gila Bend	
115A	Sonoran Desert, Stanfield	
116A	Eloy	
117A	Oracle	
118A	Homack Ranch, Wilcox	
119A	Ashpeak Ranch, Duncan	
120A	U Bar Ranch, Lordsburg	
121A	Cookes Peak, Deming	
122A	Conniff Cattle Co., Rinco	
123A	Bell Site, White Sands Missle Range	
124A	Stringfield Ranch, Weed	
125A	Gardner Draw, Artesia	
126A	Clayton Basin, Artesia	
127A	Arkansas Junction, Hobbs	
128A	Castleberry Farm, Seminole	
129A	Stewart Farms, Lamesa	
130A	Snyder	
131A	Roby	
133A	Hamilton Ranch, Breckenridge	
134A	White-Moore Ranch, Lipan	
135A	Vickery Place, Crowley	
136A	Ennis	
137A	Heron Place, Grans Saline	
138A	Matatall Enterprise, Big Sandy	
139A	Bunkhouse Ranch, Marshall	
214A	Organ Pipe National Monument, Ajo	
216A	Three Points, Tucson	
217A	Green Valley	
218A	Dragoon	
219A	White Tail Canyon, San Simon	
220A	Playas Peak, Playas	
221A	Mesquite Ranch, Deming	
222A	Williams Family Ranch, Las Cruces	
223A	Chaparral, Anthony	
224A	Cornudas Mountain, Dell City	
225A	Deer Hill, Carlsbad	
226A	Malaga, Loving	
226B	Tecolote Peak, Malaga	
227A	Bennet, Jal	
228A	UT Block 9, Goldsmith	
229A	Bryant Ranch, Stanton	
230A	Sterling City	
231A	Bronte	
232A	Coleman	
233A	Rising Star	
234A	Clairette	
236A	Katherine and Luke Keathley, Corsicana	
237A	Washetta, Montalba	
238A	Jacksonville	
239A	Gary	
2RIO	Dos Rios de Upala	
318A	Bisbee	
319A	Douglas	
320A	Kipp Ranch, Antelope Well	
324A	Moseley Ranch, Sierra Blanca	
325A	Bean Ranch, Sierra Blanca	
326A	Caldwell Ranch, Toyah	
327A	Balmorhea Ranch, Pecos	
328A	Wristen Ranch, Grandfalls	
329A	Wagon Wheel Ranch, Midkiff	
330A	Mertzon	
331A	San Angelo	
332A	Millersview	
333A	Richland Springs	
334A	Lometa	
335A	Moody	
336A	Riesel	
337A	Centerville	
338A	Crockett	
339A	Huntington	
340A	Bronson	
425A	Indio Mountain, Van Horn	
426A	McDonald Observatory, Fort Davis	
427A	Hayter Ranch, Fort Stockton	
428A	Kincaid Ranch, Fort Stockton	
429A	Davenport Ranch, Sheffield	
430A	Baggett Ranch, Ozona	
431A	Sonora	
432A	Menard	
433A	Art	
434A	Burnet	
435A	Jarrell	
435B	Jarrell	
436A	Wall Ranch, Gause	
437A	Phaontom Ranch, North Zulch	
438A	Sam Houston State University, Huntsville	
439A	Center Grove, Livingston	
440A	Kirbyville	
526A	Mary Lane Ranch, Marfa	
527A	Woodward Ranch, Alpine	
528A	Cox Ranch, Sanderson	
529A	Stev Forest Ranch, Sanderson	
530A	J-C Ranch, Comstock	
531A	Rocksprings	
532A	Rocksprings	
533A	Kerrville	
534A	Blanco	
535A	Dale	
536A	Bastrop	
537A	Green Hill Farm, Brenham	
538A	Harpers Horsepen, Conroe	
539A	Cross D Ranch, Liberty	
540A	Vidor	
626A	Big Bend Ranch, Presidio	
627A	Terlingua Ranch, Terlingua	
628A	Black Gap, Marathon	
631A	Perdido Creek Ranch, Del Rio	
632A	Uvalde	
633A	Saathoff Ranch, Hondo	
634A	China Grove, San Antonio	
635A	Leesville	
636A	Smothers Creek Ranch, Hallettsville	
637A	Eagle Lake	
732A	Laxson Ranch, Crystal City	
733A	Divot King Ranch, Dilley	
734A	JLa Parita Creek, ourdanton	
735A	Kenedy	
736A	Circle Diamond K Ranch, Victoria	
737A	Port Lavaca	
738A	Farr-Stevens Ranch, Sargent	
832A	Faith Ranch, Carrizo Springs	
833A	Chaparral WMA, Artesia Wells	
834A	Tilden	
835A	Beeville	
933A	Laredo	
934A	Benavides	
936A	North Padre Island, Corpus Christi	
A001	Piccione	
A004	Sigillo	
A04A	Legoe Bay, Lummi Island	
A04D	Lummi Island	
A05A	Maple Falls	
A06A	Chilliwack	
A07A	Ashnola River, Keremeos	
A08A	Turner Farm, Oroville	
A09A	Danville	
-A0MA	Subarray A0 LASA	
A10	Crater	
A10A	Northport	
A11	Saint Roch-des-Aulnaies	
A11A	Hall Mountain, Copeland	
A12A	Yaak River Ranch, Troy	
A13A	Flathead National Forest, Polebridge	
A14A	Double T Ranch, Babb	
A15A	Johnson Ranch, Cut Bank	
A16	Riviere Ouelle	
A16A	West Butte Ranch, Sweetgrass	
A17A	Triple J Farms, Joplin	
A18A	Metzger Ranch, Havre	
A19A	Klindworth Farms, Hogeland	
A20A	Cobblestone Ranch, Loring	
A21	Saint Andre	
A21A	Bergtoll Ranch, Theony	
A22A	Carney Farms, Richland	
A23A	Redstone	
A24A	Westby	
A25A	Svangstu Ranch, Noonan	
A26A	Wade Farm, Kenmare	
A27A	Ledoux Ranch, Antler	
A28A	Rude Farm, Bottineau	
A29A	Manning Farm, Rocklake	
A30A	Hoffart Farm, Langdon	
A31A	Linda, St. Vincent	
A33A	Warroad	
A490	San Lazaro	
A492	Arado	
A494	Palo Verde	
A495	El Viejo	
A54	Misere	
A61	Sainte Mathilde	
A64	Saint Simeon	
AA02	Valdichiascio	
AA1	Alma-Ata	AAA
AA2	Talgar	TLG
AAA	Alma-Ata	
AAB	Talgar	TLG
AAC	Aachen	
AADN	Adndan	
AAE	Adis Abeba	
AAGR	Agrelo	
AAHD	Abu Hadid	
AAI	Ambon	
AA-IS	Atka	
AAK	Ala-Archa	
AAL	Aland	
AALM	Campus Universitario de Almeria	
AAM	Ann Arbor	
AAMC	University of Michigan	
AANS		
AAP	Anini-y	
AAPN	Arroyo Pinares	
AAR	Sfinta Ana	
AARM	Airport Road	
AAS	Arctowski Station	
AASM	Arroyo Seco	
AAU	Alta	
AB-	Amboy	AB-WV
AB01	Akbulak array site	
AB02	Akbulak array site	
AB03	Akbulak array site	
AB04	Akbulak array site	
AB05	Akbulak array site	
AB06	Akbulak array site	
AB07	Akbulak array site	
AB08	Akbulak array site	
AB09	Akbulak array site	
AB31	Akbulak array site	
ABA	Alger-Bouzareah	
ABA1	Baconsthorpe	
ABAR	Abu 'Arish	
ABAZ	Army Bay	
ABB	Abborrasen	
ABC	Abeche	
ABE	Aberdeen	
ABEM	Aberfeldy	
ABF	Auke Bay	
ABG	Abington	
ABGF	Abri du Galion	
ABH	Alteburg	
ABHA	Abha	
ABI	ADIBADRI	
ABJ	Abashiri	
ABJ2	Abashiri 2	
ABJI	Asem Bagus	
ABJM	Bob Jauregui Ranch	
ABK	Abisko	
ABKAR	Akbulak array	
ABKT	Ailbek	
ABL	Mount Abel	
ABM	Ambohimiarambe	
ABMC	Merrill Creek	
ABMS	Boumerdes	
ABN	Auburn	
ABNR	Abakan	
ABOA	Aboa	
ABP	Abra de Ilog	
ABPO	Ambohimpanom	
ABQ	Albuquerque	ALQ
ABR	El Abra	
ABRA	Dolores	
ABRE	Abriola	
ABRM	Brophy Road	
ABRN	Auburn	
ABS	Abastumani	
ABSA	Djebel Ababsia	
ABSE	Abaselama	
ABSI	Aberstueckl	
ABT	Abant	
ABTA	Abfaltersbach	
ABTN	Auburntown	
ABTO	Aybut	
ABTX	Abilene, Hawley	
ABU	Abuyama	
ABUS	Abu Simbel	
ABV	Anegada	
ABVI	Anegada Island	
AB-WV	Amboy	
ACA	Amchitka Central A	
ACAN	Cantantal	
ACB	Amchitka Central B	
ACBG	Cabo de Gata	
ACC	Amchitka Central C	
ACCN	Adirondack Community College	
ACCO	Cerro Coronel	
ACD	Amchitka Central D	
ACDF	Aurillac	
ACDV	Cuesta del Viento	
ACE	Amchitka Central E	
ACEO	Ashtabula EMA	
ACER	Acerenza	
ACES	Army Corps of Engineers Seattle ANSS	
ACF	Amchitka Central F	
ACH	Altos	
ACHA	Angle Creek Headwaters	
ACHB	Acheberg	
ACHE	Chepes	
ACHM	Chimeneas	
ACI	Arcavacata	
AC-IS	Amchitka	
ACK	Alder Creek	
ACKN	Achilles Lake	
ACL	Alicudi	
ACLA	Agua Clara, Sierra Llorona en Colsn	
ACLC	CERRO LA CRUZ	
ACLR	Calar Alto	
ACM	Allegan	
ACO	Alabaster Cavern State Park	
ACOH	Alum Ck. St. Park	
ACOM	Acomizza, Italy	
ACOR	Acrocorinthos	
ACP	Acatlan	
ACP2	Acapulco	
ACR	Cerro Adams	
ACSO	Alum Creek State Park	
ACTN	Antioch Church	
ACTO	Acton	
ACU	Canalobre	
ACVZ		
ACX	Acapulco	
ACY	Acoyapa	
AD-	Adak Island	AD-IS
AD01	Meldola (FC)	
AD02	Mondaino (RN)	
AD03	Mombaroccio (PU)	
AD04	Corinaldo (AN)	
AD05	S.Marcello (AN)	
AD06	Osimo (AN)	
AD1	Great Sitkin	
AD2	Umak	
AD3	Kagalaska	
AD4	Hidden Bay	
AD5	Yakak	
AD6	South Kanaga	
AD7	North Kanaga	
AD8	Adagdak	
ADA	Adak	
ADAG	Mount Adagdak	
ADAT	Adana	
ADB	khalkal	
ADC	Auburn Dam	
ADDN	Jabal Ad Dan - Dhamar Gov. - Yemen	
ADE	Adelaide	
ADEN	Aden	
ADES	Adelaida	
ADH	Angra Heroismo	
ADH0	Angra Heroismo	
ADI	Adamit	
AD-IS	Adak Island	
ADJ	ADJUD	
ADJB	Djebel Djouab	
ADK	Adak	
ADKI	Addanki	
ADL	Adelanto	
ADM	NRDS	
ADN	Adams	
ADO	Adelanto Receiving Station	
ADOK	Arcadia Dam	
ADR	Anderson Reservoir	
ADRA	Adra	
ADRI	Adria, Italy	
ADSC	Addlestone Acy	
ADT	Adana	
ADVT	Abdulvahap	
ADWM	Drytown Water District	
AE-	Albemarle	AE-NC
AEB	Amchitka	ASB
AECU	Ecuador Network	
AEKI	Aeknabara	
AE-NC	Albemarle	
AEU	East Anglia University	
AFAR	Ash Flat	
AFC	Alfacar	
AFDM	Forest Hills Divide	
AFFS	'Afif	
AFH	Ashford Hill	
AFHM	Forest Hill Site	
AFI	Afiamalu	
AFIF	Afif	
AFL	Alpe Faloria	
AFO1	Alfred	
AFO2	Alfred	
AFOK	Anatahan S. Rim	
AFON	Font Roja	
AFR	Afareaitu	
AFRM	Fiddyment Ranch	
AFS	Agadir Fac de Sc.	
AFSR	Af ar-Bala (Ankara)	
AFUE	Fuente Hervidero	
AG-	Augusta	AG-ME
AGA	Agualva	
AGAC	Agave Hill	
AGAL	Gebel Alisa	
AGAM	Agassiz Lake	
AGC	Angel Island	
AGCH	Angol	
AGD	Arta Grotte	
AGE	Agenahambo	
AGG	Agios Georgios	
AGI	Augustine Island	
AGIM	Gold Rush Inn	
AGL	Agalyk	
AGM	Allagash	
AG-ME	Augusta	
AGMN	Agassiz National Wildlife Refuge	
AGMR	Gebel Marawa	
AGN	Agin	
AGO	Saint Agoulin	
AGOC	Agoura	
AGOR	Agordo	
AGP	Aguadilla	
AGPR	Aguadilla, PR	
AGR	Agra	
AGRA	Agra	
AGRB	Hanur-Agry	
AGRI	Agrihan Island	
AGRT	Agri	
AGRW	Gebel Rewraw	
AGST	Augusta-Monte Tauro	
AGT	Agartala	
AGU	Augustine-Summit	
AGUA	GUANDACOL	
AGUN	Aguas Calientes	
AGV	La Aguada	
AGVB	Aqua Vermelha	
AGX	Aguascalientes	
AHA	Ahua	
AHB	Akutan Harbor	
AHBU	AHRAM	
AHCB	Chemainus	
AHDM	Hacienda Drive	
AHID	Auburn Hatchery	
AHML	Horco Molle	
AHRM	Harold F. Ross	
AHS	Asahigawa	
AHU	Ahuachapan	
AHWZ	Ahwaz	
AI-	Alliance	AI-NB
AIA	Argentine Island	
AIB	Aibetsu	
AIC	Anacapa Island	
AID	Aizu	
AIES	Las Flores	
AIGLE	Aigle	
AIK	Aikawa	
AIL	L'Aileron	
AIN	Ainahou	
AI-NB	Alliance	
AIO	Antillo	
AIS	Amsterdam Island	
AIT	Ait Ouarda	
AITP	Aitape	
AIUT	Southern Antelope Island	
AIZW	AIZWAL	
AJAF	Ajaccio	
AJAR	Ajai Ranch	
AJAX	Aniakchak Jack	
AJI	Ajiro2	
AJM	Ajmer	
AJMR	Ajmer	AJM
AK-	Atoka	AK-OK
AK0	North Tanaga	
AK01	Malin Array Site 01	
AK02	Malin Array Site 02	
AK03	Malin Array Site 03	
AK04	Malin Array Site 04	
AK05	Malin Array Site 05	
AK06	Malin Array Site 06	
AK07	Malin Array Site 07	
AK08	Malin Array Site 08	
AK09	Malin Array Site 09	
AK1	West Kanaga	
AK10	Malin Array Site 10	
AK11	Malin Array Site 11	
AK12	Malin Array Site 12	
AK13	Malin Array Site 13	
AK14	Malin Array Site 14	
AK15	Malin Array Site 15	

Code	Station Name	Other
AK16	Malin Array Site 16	
AK17	Malin Array Site 17	
AK18	Malin Array Site 18	
AK19	Malin Array Site 19	
AK2	South Tanaga	
AK20	Malin Array Site 20	
AK21	Malin Array Site 21	
AK22	Malin Array Site 22	
AK23	Malin Array Site 23	
AK3	North Tanaga	
AK4	Bobrof	
AK5	North Tanaga	
AKA	Akutan	
AKA1	Akutan 1	AKA
AKA2	Akutan 2	
AKA4	Akutan 4	
AKA5	Akutan 5	
AKAR	Aktash	
AKAS	Kas	
AKASG	Malin Array Beam Reference Point	
AKAY	Kef Ayad	
AKB	Aktobe	
AKBB	Malin Array Site BB	
AKBBA	Akutan Broad B.	
AKC	Akcakoca	
AKCD	Akcadag	
AKDN	Akdeniz- K¯–br¯–s	
AKET	Djebel Ketaf	
AKF	Akfadou	
AKGG	Akutan Green Grass	
AKGH	Akosombo	
AKH	Akhalkalaki	
AKHS	Akhisar	
AKI	Akita	
AKI1	Akita	
AKIJ	Akita 2	
AKIN	Ak¯–nc¯–lar- K¯–br¯–s	
AKK	Akkeshi	
AKKT	Akkus	
AKKU	Akkuyu-Mersin	
AKL	Akola	
AKLV	Akutan Long Valley	
AKM	Akama	
AKMC	Akamas	
AKMO	Akutan Morgan	
AKN	Aaknes	
AK-OK	Atoka	
AKRB	Akutan Reef Bight	
AKRG	Al Kharijah	
AKRL	Khor El Raml	
AKRT	Stavros Akrotiri	
AKS	Akhisar	
AKSA	Akutan Strait	
AKSR	Khor Sakr	
AKSY	AKSARAY - Altinkaya	
AKSZ	Araks	
AKT	Akhty	
AKTK	Aktyubinsk	
AKTO	Aktyubinsk	
AKTT	Aktoprak	
AKU	Akureyri	
AKU-	Akureyri	
AKUL	Akkuyli	
AKUR	Kurkur	
AKUT	Akutan	
AKV	Akutan Volcano	
AKVQ	Akulivik	
AKY	Akyazi	
AL-	Antlers	AL-OK
AL31	ALPA Array Site 31	ALAR
AL32	ALPA Array Site 32	
AL33	ALPA Array Site 33	
AL34		FBAL
AL35		AL5
AL36	ALPA Array Site 36	
AL37	ALPA Array Site 37	
AL5	ALPA Array Site 35	
ALA	Alamo	
ALAM	Latrobe	
ALAR	ALPA Array Beam Reference Point	
ALAS	Alassa	
ALB	Alberni	
ALBA	Albanya	
ALBD	Alberton, Johannesburg	
ALBI	Allahabad	
ALC	Alcan	
ALCN	Alcanar	
ALCS	Alfacar	
ALCT	Alcott Elementary School	
ALD	Alter Ridge	
ALDR	Aldan	
ALE	Alert	
ALF	Alfred	
ALFC	Alevga	
ALFO	Alfred	
ALG	Algiers University	
ALGO	Algonquin Park	
ALH	Alicahue	
ALHU	Pen de Alhucemas	
ALI	Alicante	
ALIA	Aliabad	
ALIB	Äli-Bayramli	
ALID	Alaid	
ALJ	Aljibe	
ALJA	Alia	
ALKI	Alki Wastewater Plant ANSS-SMO	
ALL	Alla	
ALLA	Alla	ALL
ALLY	Alegheny College	
ALM	Almeria	
ALME	Alemaya	
ALMG	Alamagan	
ALMR	Almeirim	
ALN	Alexandroupolis	
ALNG	Atlantic LNG	
ALNM	Lincoln	
ALO	Ashland	
ALOA	Alotau	
ALOJ	Loja	
AL-OK	Antlers	
ALOL	LOMAS DE OLMEDO	
ALOT	Alotau	
ALP	Ascoli Pisceno	
ALPC	Antelope	
ALPW	Alpine	
ALQ	Albuquerque	
ALR	Isla de Alboran	
ALRB	Anaheim Lake	
ALRZ	Allen Road	
ALS	Alishan	
ALST	Alston	
ALT	Altintas	
ALTA	Alta Urco	
ALTM	Altmuhljura-Amtmannsdorf	
ALTV	Alturitas	
ALU	Alushta	
ALUM	Lumbreras	
ALV	Alvord Mountain	
ALVY	Alvey	
ALWS	Ilw as Safayhah	
ALX	Alexander Bay	
ALZ	Aoulouz	
AM-	Ardmore	AM-OK
AM1	Amasugawa 1	
AM2	Amasugawa 2	
AM9	Amelia	AMI
AMA	Amatignak Island	
AMAG	Maghara	
AMAN	Manam	
AMAR	Marayes	
AMAS	Alto Masis	
AMAZ	Amatzia	
AMB	Ambulong	
AMBZ	Amberd	
AMC	Almaden	
AMC*	Amchitka	
AMD	Amderma	
AMDA	Medea	
AMDNV	Amargosa	
AME	Amchitka East	
AMF	American Fork	
AMG	Americus	
AMI	Amelia	
AMJ	Amo	
AMKA	Amchitka	
AML	Almayashu	
AMLC	Mogote Corralitos	
AMM	Anaconda	
AMN	Amanu	
AMNH	Manhattan	
AMO	Ambon	
AMOG	MOGNA	
AM-OK	Ardmore	
AMOR	Amorgos	
AMP	Ambar	
AMR	Amargosa	
AMRG		
AMRH	Mont Rhoder	
AMRP	Almeirim	
AMRR	Amara	
AMS	Amos	
AMT	Artemida-Makistos	
AMTX	Amarillo	
AMU	Anchorage	
AMUR	Altamura	
AMVM	AMECAMECA	
AMW	Mount Adams	
AMZI	Amatzia	
AN-	Angela	AN-MA
AN1	Anna	
AN1*	Pine Canyon	PNC
AN10	Anna	
AN11	Anna	
AN12	Anna	
AN12*	Salinas Radio	SRC
AN13*	Quien Sabe	QSR
AN14*	Cienega Rd	BCGM
AN15*	Johnson Can.	JHC
AN2*	Forsythe	
AN3	Anna	
AN3*	San Juan Grade	HJGM
AN4	Anna	
AN4*	Pacheco Lake	PCL
AN5*	Dillon Ranch	DIL
AN6*	Chase Ranch	CSR
AN7	Anna	
AN7*	Canada Road	CDC
AN8	Anna	
AN8*	Peckham Road	PKC
AN9	Anna	
AN9*	Anzar Reservoir 9	
ANA	Amchitka	
ANA2	Anatahan	
ANAL	New Alisa	
ANAR	Anarak	
ANAT	Anatahan	
ANB	Amchitka	
ANC	Marguerite Bay	
ANCC	Alto Anchicaya	
ANCH	Antofagasta	
ANCK	Angle Creek	
ANCR	Anchorite	
AND	Amchitka	
ANDN	Andirin	
ANDR	Anadyr'	
ANE	Angren	
ANER	Nerja	
ANG	Antigua	
ANGC	Angol	
ANGG	Ammassalik, Greenland	
ANGL	Ecuador	
ANGS	El Angel	
ANGU	Angureal	
ANGV	Angostura	
ANGW	Angle Mountain	
ANH	Anchorage	
ANI	Aniakchak	
ANI*	Anchorage	ANH
ANIA	Aniakchak Crater	
ANIG	Ahuacatlan	
ANJJ	Anjarah	
ANK	Ankara	
ANKA	Aniakchak	
ANKY	Antikythira Island	
ANL	Andalgala	
ANM	Nome	
AN-MA	Angela	
ANMB	Anmore	
ANMO	Albuquerque	
ANMR	North Marawa	
ANN	Anapa	
ANNE	Aniakchak Northeast	
ANNS	Annsville	
ANNW	Aniakchak Northwest	
ANON	Aniakchak	
ANP	Anpu	
ANPB	Aniakchak Plenty Bear	
ANPK	Aniakchak Peak	
ANR	Andizhan	
ANS	Ancona	
ANT	Antofagasta	
ANTB	Antalya	
ANTCA	Antelope Range	
ANTF	Antibes	
ANTI	Antisana	
ANTN	Anderson	
ANTO	Ankara	
ANTR	Antelope Ridge	
ANTT		
ANTU	Antumapu	
ANTZ	Aouinet Torkoz	
ANU	Antelope Island	
ANV	Anvil Mountain	ANM
ANVS	Anan'yevo	
ANVZ		
ANWB	Willy Bob	
ANWZ	Angora Road	
ANX	Ano Chora	
ANZ	Anzar Road	
AO-	Argonne	AO-WS
AOB	Aobayama	
AODM	Outingdale	
AOF	Agadir Oufela	
AOHM	Oregon House	
AOI	Ancona	
AOM	Aomori	
AOM1	Aomori	
AOM3	Aomori 3	
AOMJ	Aomori 2	
AOPR	Arecibo Observatory	
AOS	Alonnisos	
AOT	Adel	
AOU	Aou	
AO-WS	Argonne	
AP-	Apache	AP-OK
AP3N	Apex site 3 Nunavut	
APA	Apatity	
APA0	Apatity Array Site A0	
APA1	Apatity Array Site A1	
APA2	Apatity Array Site A2	
APA3	Apatity Array Site A3	
APAE	Packway	
APAES	Apatity Array Beam Reference Point	
APB1	Apatity Array Site B1	
APB2	Apatity Array Site B2	
APB3	Apatity Array Site B3	
APB4	Apatity Array Site B4	
APB5	Apatity Array Site B5	
APC	Apacha	
APCG	Parque de las Ciencias	
APE	Apeiranthos	
APER	Aper	
APEZ	Moni Apezanon	
APG	El Apazote	
APGM	Casa M^¡quinas Miravalles	
APH	Airport Hangar	
APHE	Pico Herrero	
API	Apia	
APK	Angel's Peak	
APKW	Angels Peak	
APL	Alpnach	
APLL	PUNTA DE LOS LLANOS	
APM	Augspurger Mountain	
APN	Apakhonchich	
APNR	Astor Pass	
APO	Äppelbo	
AP-OK	Apache	
APON	Apoyo	
APP	Appelbo	APO
APPA	Casa M^¡quinas Las Pailas	
APPI	Appiano	
APR	Arecibo	
APRM	Poppy Hill Road	
APRS		
APSI	Ampana	
APT	Avery Point	
APW	Alpha Peak	
APY	Apoyeque	
APYN	Apoyeque	
APYP	Conner	
APZ	The Paps	
APZ9	Apatity Array Site Z9	
AQ6*	Aqua Casa	
AQBJ	Aqaba	
AQDB	Aquidauana	
AQU	L'Aquila	
AR-	Aurora	AR-WS
AR1	Arenal	
AR2	Lago de Cote	
AR3	Tierras Morenas	
AR4	Solania	
AR5	Santa Elena	
AR6	Chiripa	
AR7	Cape Frico	
AR8	Nicoya	
AR9	North	
ARA	Arapuni	
ARA0	ARCESS Array Site A0	
ARA1	ARCESS Array Site A1	
ARA2	ARCESS Array Site A2	
ARA3	ARCESS Array Site A3	
ARAC	Aracena	
ARB1	ARCESS Array Site B1	
ARB2	ARCESS Array Site B2	
ARB3	ARCESS Array Site B3	
ARB4	ARCESS Array Site B4	
ARB5	ARCESS Array Site B5	
ARBE	Arbavere	
ARBF	Arbois	
ARBS	La Rabassa	
ARC	Arcata	
ARC1	ARCESS Array Site C1	
ARC2	ARCESS Array Site C2	
ARC3	ARCESS Array Site C3	
ARC4	ARCESS Array Site C4	
ARC5	ARCESS Array Site C5	
ARC6	ARCESS Array Site C6	
ARC7	ARCESS Array Site C7	
ARCES	ARCESS Array Beam Reference Point	
ARCH	Arica	
ARCI	Arcidosso	
ARCO	CERRO ARCO	
ARCR	ARCALIA	
ARD	Arida	
ARD1	ARCESS Array Site D1	
ARD2	ARCESS Array Site D2	
ARD3	ARCESS Array Site D3	
ARD4	ARCESS Array Site D4	
ARD5	ARCESS Array Site D5	
ARD6	ARCESS Array Site D6	
ARD7	ARCESS Array Site D7	
ARD8	ARCESS Array Site D8	
ARD9	ARCESS Array Site D9	
ARDC	Alexander Ranch	
ARDR	Aradan	
ARE	Arequipa	
ARE0	ARCESS Array Site E0	
ARE1	Arenal 1	
AREB	Areado	
AREE	Arenal	
ARG	Arkhangelos	
ARGU	Argyle Ridge	
ARH	Archignac	
ARHZ	Aropaoanui	
ARI	Arica	
ARIG	Puente Sto Nino	
ARJM	Robert W. Jensen	
ARK	Arkit	
ARKL	Arkaroola	
ARKR	Arakani	
ARL	Chiapas	
ARLS	Aral	
ARM	Puerto Armuelles	
ARM2	Puerto Armuelles 2	
ARMA	Armidale	
ARME	Armento	
ARMT	Armutlu	
ARN	Arnold Ranch	
ARNB	Al Arnab	
ARNI	Argonne North	
ARNL	Arenillas	
ARNR	Ardon	
ARNS	Arna	
ARNU	Arnoeviken	
ARNY	Arden House	
ARO	Arta Observatory	
AROD	Rodeo	
AROL	Arenal Observatory Lodge	
ARP	Angono	
ARPS	Mount Arapiles	
ARPT	Arp	
ARQ	Araqi	
ARR	Arges	
ARRM	Rickey Ranch	
ARRY	Arrayan	
ARRZ	Ararat	
ARS	Arshan	
ARSA	Arzberg	
ARSB	Arslanbob	
ARSS	Ar Rass	
ARST	Arsuz	
ART	Arta	
ARTF	Artigues	
ARTJ	Al Aritein	
ARTL	Arthez-de-Bearn	
ARTR	Artybash	
ARTT	Arusha	
ARTV	Artvin	
ARU	Arti	
ARUT	Antelope Range	
ARUZ	Aruch	
ARV	Arcevia	
ARVC	Arvin	
ARVD	Arcevia	
ARVI	'Arava Valley	
ARVN	Arviat, NU	
ARWM	Richard P. Wilkes	
AR-WS	Aurora	
ARX	ARAXOS	
AS01	Alice Springs Array Site 1	
AS02	Alice Springs Array Site 2	
AS03	Alice Springs Array Site 3	
AS04	Alice Springs Array Site 4	
AS05	Alice Springs Array Site 5	
AS06	Alice Springs Array Site 6	
AS07	Alice Springs Array Site 7	
AS08	Alice Springs Array Site 8	
AS09	Alice Springs Array Site 9	
AS10	Alice Springs Array Site 10	
AS11	Alice Springs Array Site 11	
AS12	Alice Springs Array Site 12	ASAR
AS13	Alice Springs Array Site 13	
AS14	Alice Springs Array Site 14	
AS15	Alice Springs Array Site 15	
AS16	Alice Springs Array Site 16	
AS17	Alice Springs Array Site 17	
AS18	Alice Springs Array Site 18	
AS19	Alice Springs Array Site 19	
AS31	Alice Springs Site	
ASA	Asahikawa	
ASAI	AK-SAY(Kyrgyzstan)	
ASAJ	Asahikawa	
ASAK	Asacha	
ASAL	Salagasta	
ASAO	Ashtian	
ASAR	Alice Springs Array Beam Reference Point	
ASAT	Asagicarikuru	
ASB	Amchitka	
ASBA	Santa Barbara	
ASC	Amchitka	
ASCB	Sierra Cabrera	
ASCN	Ascension	
ASD	Amchitka	
ASE	Aserradero	
ASEAF	Site Antares, Toulon	
ASF	Jabal al Asfar	
ASG	Minamiashigara	
ASH	Ashkhabad	
ASH19	Ascension Island Hydrophone Array Site 19	
ASH21	Ascension Island Hydrophone Array Site 21	
ASH23	Ascension Island Hydrophone Array Site 23	

Code	*Station Name*	*Other*
ASH24	Ascension Island Hydrophone Array Site 24	
ASH25	Ascension Island Hydrophone Array Site 25	
ASH26	Ascension Island Hydrophone Array Site 26	
ASH27	Ascension Island Hydrophone Array Site 27	
ASH29	Ascension Island Hydrophone Array Site 29	
ASHG	Umm Shaghir	
ASHJ	Ashqof	
ASHO	Ashiyiah	
ASHT	Ashkhabad	
ASI	Mount Amassa	
ASIG	Aasiaat, Greenland	
ASJ	Aso san	
ASK	Askoy	
ASKD	Sinn el Kaddab	
ASKU	Askersund	
ASL	Abu Simbel	
ASM	Asama Yama	
ASME	Asmera	
ASMM	Slate Mountain	
ASMO	Sierra Morrones	
ASNY	Au Sable	
ASO	Aso	
ASOR	Ausora	
ASP	Alice Springs	
ASPA	Alice Springs	
AS-PA	Altoona	
ASPF	Aspremont	
ASPU	Aespoe	
ASQU	Asqua	
ASR	Mount Adams--Stagman Ridge	
ASRM	Slough House Road	
ASS	Assisi	
ASSB	Assisi San Benedetto	
ASSE	Asse, Remlingen/Germany	
ASSG	Aftenstjerne Lake, Greenland	
AST	Butare	BTR
ASTB	Santa Barbara	
ASTN	Avondale Springs	
ASTR	Astara	
ASU	Arizona State University	
ASUD	Al Ashush, Dubai	
ASUT		
ASW	Aswan	
ASYS		
ASZ	Ashizuri	
AT-	Austin	AT-NV
AT01	Promano (Citt^ di Castello) - PG	
AT02	Lugnano (Citt^ di Castello) - PG	
AT03	Montalto (Apecchio) - PU	
AT04	Castiglione Aldobrando (Gubbio) - PG	
AT05	Racchiusole (Umbertide) PG	
AT06	Poggio Sant'Ercolano (Gualdo Tadino) PG	
AT07	Catigliano (Citt^ di Castello) - PG	
AT08	Fraticciola Selvatica (Perugia) - PG	
AT09	Santa Cristina (Gubbio) - PG	
AT1	West Kanaga	AK1
AT10	Torre dell'Olmo (Gubbio) - PG	
AT2	South Tanaga	AK2
AT3	North Tanaga	AK3
ATA	Atar	
ATAB	Bozova	
ATAF	Djebel Tarf	
ATAH	Atahualpa	
ATAL	Atalanti	
ATAQ	'Ataq	
ATB	Altamira	
ATBU	Serra di Burano	
ATC	Attachie	
ATCA	Cantone	
ATCC	AVT- Casa Castalda	
ATD	Arta Tunnel	
ATDB	Astolofo Dutra	
ATE	Arette	
ATEJ	Tejeda	
ATES	Arlington Trafton Elementary School	
ATFO	Monte Foce - Gubbio	
ATG	Ambohiby	
ATGJ	Altiaghaj	
ATH	Athens Observatory	
ATHU	Athens University	
ATI	Atico	
ATIP	Tipaza	
ATKA	Atka Island	
ATKO	Atikokan Iron Mine	
ATKR	Artyk	
ATL	Atlanta	
ATLB	Atluck Lake	
ATLO	AVT- Montelovesco	
ATM	Atsumi	
ATMC	Monte Cedrone	
ATN	Antennamare	
AT-NV	Austin	
ATO	Altona	
ATOT	Gabel Atot	
ATPA	Allentown	
ATPC	Poggio Castellaccio	
ATPI	Pietralunga - Aviosuperficie	
ATPZ	Tipaza	
ATR	Alsterbro	
ATR1	Atar 1	
ATT	Attica	
ATTE	AVT- Monte Tezio	
ATTU	Attu Island--Fox	FX1
ATU	Athens Obs.	ATH
ATVA	AVT- Monte Valcinella	
ATVM	ATLACOMULCO	
ATVO	AVT- Monte Valentino	
ATX	Austin	
ATZ	Mount Atzmon	
AU2	Augustine Island	
AUBOZ	BOZOYUK	
AUC	Auckland	
AUD	Augustine Domo	
AUE	Augustine Island	
AUF	Augustine Flow	
AUH	Augustine H	
AUI	Augustine Island	
AUK	Auki	
AUKIR	K¯–rka- Seyitgazi ESKISEHIR	
AUKUT	KUTAHYA	
AUL	Augustine Lava	
AUM	Augustine Mound	
AUMIH	MIHALICIK	
AUNW	Augustine NWest	
AUP	Augustine Pinnacle	
AUQP	San Andres	
AUR	Aurakhmat	
AURF	Auriere	
AUS	Austin	
AUSE	Augustine SEast	
AUSIV	SIVRIHISAR	
AUSP	Uspallata	
AUT	El 'Aiyat	
AUTN	L'Aution	
AUW	Augustine West	
AVC	Adobe Valley	
AVE	Averroes	
AVF	Avril sur Loire	
AVFE	Valle Fertil	
AVFP	Avril sur Loire	
AVH	Avacha	
AVIZ	Vizcacheras	
AVN	Avellanes	
AVNC	Asheville	
AVNS	Nevsehir-Avanos	
AVNT	Avonos	
AVO	Avon	
AVOE	Asama Observatory	
AVOW	Apres Vouz Peak	
AVR	AVREN	
AVRM	Valley Road Site	
AVY	Angavokely	
AWA	Amchitka	
AWAL	West Alisa	
AWAZ	Awhitu Peninsula	
AWBH		
AWDQ	Awoonga Dam 3	
AWH	Whinburgh	
AWI	Antigua	
AWI1	Witton	
AWKL	West Kalabsha	
AWOON	Awoonga Dam	
AX-	Alexander City	AX-AL
AX2	Alexander City	AX2AL
AX2AL	Alexander City	
AX-AL	Alexander City	
AXAR	Agios Charalampos	
AXS	Araxos	
AXZ	Alexandra	
AY-	Academy	AY-SD
AYA	Ayagualo	
AYAC	Ayacucho	
AYAN	Aya Nagar	
AYCH	Puerto Aysen	
AYDB	Zeytinkoy-Aydin	
AYDN	Tasoluk	
AYE	Ayenquera	
AYK	Aydincik	
AYKD	Aykdinkavak	
AYN	Al'Uyaynah	
AYNT	El Ayoun	
AYS	Ayseler	
AY-SD	Academy	
AYT	Al 'Ayyat	
AYUS	'Aynunah	
AYVA	Ayvalik	
AYVM	Ayaqueme	
AZ-	Amarillo	AZ-TX
AZ1C	Azucar	
AZAC	Aniakchak	
AZAP	Zapla	
AZI	Avezzano	
AZJ	Azai	
AZL	Aizawl	
AZO	Oaxaca	
AZ-TX	Amarillo	
AZU	Azuero	
AZU1	Azuela	
AZU2	Pedasi@15	
AZUC	Azuc	
AZVM	Cuida Lopez Mateos	
B001	Rancolfo	
B04A	Port Angeles	
B05A	Bryant	
B06A	Marblemount	
B07A	Winthrop	
B08A	Colville Reservation, Omak	
B09A	Rice	
B10A	Chitwood Farm, Usk	
B11A	Sandpoint	
B12A	Libby	
B13A	Whitefish	
B14A	Marquette Ranch, East Glacier	
B15A	Bradely Ranch, Valier	
B16A	M & M Farms, Shelby	
B17A	L&G Farms, Chester	
B18A	Beardsley Farm, Havre	
B19A	Brinkman Farms, Chinook	
B1NU	Baffin Island 1	
B201	Coldwater, Mount Saint Helens	
B20A	Solberg Farm, Malta	
B21A	Ellsworth Farm, Hinsdale	
B22A	Reddig Ranch South, Frazer	
B23A	Brockton	
B25A	Knox Farm, Ray	
B26A	Jensen Ranch, Palermo	
B27A	Peters Farms, Glenburn	
B28A	Dugan Ranch, Towner	
B29A	Wagenman Farm, Cando	
B2NU	Baffin Island 2	
B30A	Myrvik Farm, Edmore	
B31A	Greenbush Farm, Park River	
B32A	Ashes, Strandquist	
B34A	Aery, Baudette	
B5GA	5 Glenshane	
B927	Port Alberni	
B928	Bamfield	
B941	Kapowsin	
BA-	Baldwin	BA-WS
BA01	Aachen	
BA02	Stolberg	
BA03	Weissweiler	
BA04	Fiesheim UWZ	
BA05	Sindorf	
BA06	Horem	
BA07	Koln University	
BA08	Dellbruck	
BA09	Bensberg	
BA10	Klein Altendorf	
BA11	Duren	
BA12	Beaesweiler	
BA13	Heinsberg	
BA14	Wollersheim	
BA15	Heimerzheim	
BA16	Vanikum	
BA17	Glehn	
BA18	Steinbach	
BA19	Koln Dom Grabung	
BAA	Buenos Aires	
BAB	Beni-Abbes	
BABE	Bainbridge School	
BAC	Bacau	
BACC	Bachelor Mtn.	
BACF	Baccarat	
BACH	Barnechea	
BACM	Baccana	
BACU	Backbrunna	
BAD	Bernadia	
BADA	Al Bad'	
BADI	Badiali	
BADN	Badegauja	
BADT	Buyukada	
BAE	Brasilia	
BAE1	Brasilia Array Site E1	
BAE2	Brasilia Array Site E2	
BAE3	Brasilia Array Site E3	
BAE4	Brasilia Array Site E4	
BAE5	Brasilia Array Site E5	
BAEE	Brasilia Array Site EE	
BAF	Belacker	
BAF*	Baguio	
BAG	Baguio City	
BAG8	Bagolino	
BAGL	Bagley Icefield	
BAGO	Egridir - ISPARTA	
BAH	Barrette	
BAHL	Ahlen	
BAI	Bari	
BAI*	Bari	
BAI2	Baranello	
BAIF	Baives	
BAK	Baki	
BAKC	Calstate	
BAKI	Biak	
BAL	Ballidu	
BALA	Baldy Mountain	
BALAT	Bala	
BALB	Balikesir	
BALC	Balcom Canyon	
BALD	Monte Baldo	
BALI	Monte Baldo	
BALM	Baldy	
BALP	Baler	
BALST	Balsthal	
BALT	Daday	
BALY	Balya	
BAM	Barrage Abdel Moumen	
BAMF	Morne Balai	
BAN	Banff	
BANG1	Bangula	
BANI	BANI	
BANL	Banca Lucia	
BANM	Bannockburn	
BANO	Bancroft	
BANOM	Banah	
BANR	Banloc	
BAO	Brasilia Array Centre Point	
BAP	Bailey Peak	
BAP*	Basco	
BAPM	Anderson Peak	
BAPR	Bucharest-Childs Park	
BAR	Barrett	
BAR1		
BARA	Bahrah	
BARB	Barbacena	
BARC	Barichara	
BARK	Barkley Ridge	
BARN	Barnard Glacier	
BARS	Barje	
BART	Pico Bartolomeu	
BARV	Barcelona	
BAS	Basle	
BAS1	Brasilia Array Site S1	
BAS2	Brasilia Array Site S2	
BAS3	Brasilia Array Site S3	
BAS4	Brasilia Array Site S4	
BAS5	Brasilia Array Site S5	
BASE	Brasilia Array Site SE	
BASI	Baing, Sumba	
BASK	Baskale_VAN	
BASO	Ashfield	
BASP	Panama	
BAT	Bayram-Ali	
BATC	Bat Cave Butte	
BATG	Bathurst New Brunswick	
BATH	Bath	
BATI	Baumata	
BATP	Bataraza	
BAU	Ballabur	
BAUT	Bautismo	
BAUV	El Baul	
BAV	Blacksburg	
BAVM	Antelope Valley	
BAVN	Auguste-Victoria Mine North	
BAW	Bavra	
BAW1	Brasilia Array Site W1	
BAW2	Brasilia Array Site W2	
BAW3	Brasilia Array Site W3	
BAW4	Brasilia Array Site W4	
BAWE	Brasilia Array Site WE	
BA-WS	Baldwin	
BAY	Bayanday	
BAYA	Yate Dam	
BAYK	Bayan-Aul	
BAYN	Bayana	
BAYT	Ayd¯–ntepe-Bayburt	
BB-	Bloomsburg	BB-PA
BB16B	Bebedouro	
BB19B	Bebedouro	
BBA	Boulbra	
BBAL	Bala	
BBAT	Babati	
BBB	Bella Bella	
BBB4	Pezza	
BBC	Big Bear	
BBD	Blackbird State Forest	
BBEB	Bay Bridge East	
BBG	Brasstown Bald	
BBGH	Gun Hill	
BBGM	Big Mountain	
BBH	Bruntsheil	
BBI	Big Bend	
BBIL	Ulba Tungurahua	
BBIR	Bucharest-INCERC-borehole	
BBJ	Bamboo Saint Ann	
BBKI	Banjar Baru	
BBL	Barber's Block	
BBLS	Lazići	
BBM	Big Bend	
BBN	Black Butte	
BBNM	San Benito	SBT
BBO	Besboro Island	
BBO1	Bothel	
BBOO	Buckleboo	
BBOR	Butler Butte	
BBOU	Bougnies	
BBP	Basco	
BB-PA	Bloomsburg	
BBR	Beebe Ranch	
BBRC	Big Bear Solar Observatory, Big Bear Lake	
BBS	Basel-Blauen	
BBSC	Beaumont Base	
BBSI	Bau Bau	
BBSP	Saint Philip	
BBSR	BB Station	
BBT	Barrage Ibn Batouta	
BBTK	Belbasi	
BBTN	Blue Bank Bayou	
BBTS	Babate	
BBU	Al Budayyi	
BBUT	Bumble Bee	
BBW	Black Birch	
BC01	Beaver Creek Array Site 1	
BC02	Beaver Creek Array Site 2	
BC03		BCA3
BC04	Beaver Creek Array Site 4	
BC05	Beaver Creek Array Site 5	
BC2	Big Chuckwalla Mountains 2	
BC3	Big Chuckawalla Mtns, Desert Center	
BC3*		BCA3
BCA	Borcka	
BCA3	Beaver Creek Array Site 3	BCAR
BCAM	Yenicaga	
BCAO	Bangui	
BCAR	Beaver Creek Array Beam Reference Point	
BCB	Big Creek Baldy	
BCBC	Bella Coola	
BCC	Colson Canyon	
BCC1	Chapelcross	
BCCC	Bear Creek Country Club, Murrieta	
BCCH	Brava--Cachaco	
BCD	Casitas Dam	
BCE	Book Cliffs East	
BCES	Court-Saint-Etienne	
BCG	Bois Riant Capesterre	
BCGM	Cienega Road	
BCH	Branch Mountain	
BCHG	Becho	
BCHM	Black Canyon North	
BCI	Bajram Curri	
BCIP	Isla Barro Colorado	
BCK	Bucak	
BCKR	Birch Creek	
BCL	Casitas Lake	
BCLA	Clavier	
BCLQ	Boischatel	
BCM	Basin Creek	
BCN	Boulder City	
BCO	Cerro Blanco	RTCB
BCP	Baguio City	
BCPH	Baguio City Dairy Farm	
BCPM	Bancas Point	
BCR	Bucaramanga	
BCRT	Bacon Ridge	
BCS	Baptist College of Charleston	
BCS*	Brasilia Array	
BCSO	Bloom-Carroll	
BCT	Brookfield	
BCU	Bear Canyon	
BCUT	Brigham City	
BCVB	Bac Can	
BCW	Bitter Crk WRge	
BCWM	Chews Ridge	
BCX	Boston College	
BCYI	Bear Canyon	
BCZ	Braida Crags	
BD-	Bedford	BD-PA
BD01	Bergheim Laurentius Kirche	
BD02	Tagebau Bergheim	
BD03	Millendorf	
BD04	Gut Margarthenhoehe	
BD05	Hambach	
BD07	Roetschberg	
BD08	Hambach Funkstation	
BD09	Hochneukirch	
BD10	Pesch	
BD11	Borschemich	
BD12	Bourheim	
BDA	Boulder Dam	
BDAS	Al Bad'	
BDB	Bagneres-Bigorre	
BDBC	Bennett Dam	
BDC	Boulder	
BDF	Brasilia (W)	
BDFB	Brasilia	
BDG	Badger Mountain	
BDH	Highclere	

Code	Station Name	Other
BDHA	Al Bayda'	
BDI	Bagni Di Lucca	
BDID	Brownlee Dam	
BDL	Dobcross Hall	
BDM	Black Diamond Mines Park, Antioch	
BDMQ	Boondooma Dam	
BDN	Bodon	
BDNM	Bernardo	
BDO	Budoia	
BDP	Broad Pass	
BD-PA	Bedford	
BDR	Baidarnaya	
BDRM	Kayabasi	
BDRN	Badran	
BDS	Barbados	
BDSL	Dessel	
BDT	Bhumibol Dam	
BDU	Big Dutch Hollow	
BDV	Budva	
BDW	Boulder	
BE-	Belleview	BE-FL
BEA	Beatty	BTY
BEAD	Nord Galaele Koma	
BEAW	Beaver Mountain	
BEB	Belem	
BEBN	Eben Emael	
BEC	Bermuda--Columbia	
BECU	Ecuador Network	
BED	Bald Eagle	
BEE	Al Areen	
BEEN	Beenleigh	
BE-FL	Belleview	
BEG	Bergheim	
BEH	Bench	
BEHE	Becsehely	
BEHM	Elkhorn Ranch	EKH
BEI	Bear River Range	
BEK	Belvue	
BEKR	Beckworth	
BEL	Belsk	
BELA	Belgrano 2	
BELC	Belle Mtn. Joshua Tree, Twentynine Palms	
BELI	Belica	
BELO	BELONIA	
BELQ	Belleterre	
BELV	Belvedere	
BEM	Bemidji	
BEMM	Emmet	EMT
BEMT	Mount Belmont	
BEN	Bermuda-Navy	
BEND	Bend	
BENE	Beatrice	
BENN	Benn Knob	
BENR	Benton	
BENWA	Benson Ranch	
BEO	Beograd	
BEP	Beppu	
BER	Bergen	
BERA	Berati	
BERF	Bertagne	
BERG	Berg Lake	
BERI	Bernadia	BAD
BERL	Berlin (NY)	
BERN	Bernov	
BERNI	Berninapass	
BERR	Berezeni	
BERT	Berda	
BERU	Beregovo	
BES	Besancon	
BESB	Sao Joao Dos Patos	
BESE	Bessie Mountain	
BESP	Borongan	
BEST	Besiri	
BET	Bethel	
BETC	Betania	
BETH	Bethel	
BETM	Bethany	
BETV	Betijoque	
BEU	Beuren	
BEV	Beverley	
BEVG	Clark Hill Reservoir	
BEVT	Boeing Everett	
BEW	Beaufort West	
BEY	Berane	IVA
BEYL	Beirut	
BEYR	Belyy Ugol+	
BEYT	Beykoz	
BF-	Bakersfield	BF-CL
BFC	Buffalo Canyon	
BF-CL	Bakersfield	
BFD	Bellfield	
BFF	Buffalo-Larkin	
BFM	Bigfork	
BFMT	Birchfield Mountain	
BFO	Black Forest	
BFS	Buffelsfontein	
BFSC	Mount Baldy Ranger Station	
BFSD	Buffelsfontein	
BFT	Belfast (SA)	
BFW	Baw Faw Mountain	
BFZ	Birch Farm	
BG-	Bangor	BG-ME
BG3		
BGA	Mount Bagana	
BGB	Big Butte	
BGC	Bolinger Road	
BGCA	Bogoin	
BGD	Bogdanovka	
BGES	Gesves	
BGF	Bois d'Agland	
BGG	Burgeitz	
BGH	Bear Gulch	
BGI	Bengkulu	
BGIO	Bar Giyyora	
BGK	Belogorka	
BGK2	Belogorka 2	
BGKT	Bogazkoy	
BGKY	Bowling Green	
BGL	Barrier Glacier	
BGLC	Bering Glacier BLM Camp	
BGLD	Berchtesgaden	
BGLV	Boslevi	
BGM	Big Mountain	
BG-ME	Bangor	
BGMR	Bucharest-Geological Museum	
BGMT	Barton Gulch	
BGN	Big Creek	
BGNE	Belgrade	
BGO	Bowling Green	
BGOL	Bingol	
BGP	Bagra	
BGR	Bangor (NY)	
BGRM	Barrier Glacier Two	
BGRQ	Glenroy	
BGSB	Baguashan	
BGSO	Bowling Green State University	
BGU	Big Grassy Mountain	
BGUS	Bergheim	
BGV	Bac-Giang	
BGY	Belgrade	
BGZ	Barguzin	
BH-	Burwash Landing	BH-YK
BHA	Broken Hill	
BHB	Bricherasio	
BHBD	Braunhartsberg	
BHC	Bohunice	
BHD	Baghdad	
BHDI	Bhandari	
BHE	Schloss Buerresheim	
BHG	Bad Reichenhall	
BHGR	Bahadurgarh	
BHH	Howats Hill	
BHHZ	Black Hill Station	
BHI	Bertha Hill	
BHJ	Bhuj	
BHK	Bhakra	
BHKY	Bowman Hall	
BHL	Bhannes	
BHM	Barham	
BHMT	Big Hole Peak	
BHO	Bethel	
BHOF	Ruhr-University Bochum -- Hof Stiepel	
BHOK	Bomura	
BHP	Balboa Heights	
BHPL	Bhopal	
BHPR	Bishop	
BHRA	Bahrah	
BHRM	Hodges Ranch	
BHS	Barnard House	
BHSM	Hastings State Park	
BHSO	Botkins High School	
BHT	Blowhole	
BHU	Blowhard Mountain	
BHUJ	Bhuj	BHJ
BHUT	Beaver	
BHV	Bhavnagar	
BHW	Baring Head	
BHXE	Hunxe	
BH-YK	Burwash Landing	
BI-	Big Stone Gap	BI-VA
BI1	Barter Island	
BI2	Barter Island	
BI3	Barter Island	
BI4	Barter Island	
BIA	Bitola	
BIAC		DIAC
BIAL	Bialla	
BIB	Bowen Island	
BIBA	Brigerbad	
BIBN	Bibbiana	
BID	Bidston	
BIDA	Albida	
BIDO	Bidbid	
BIDS	Bi'r al Bayda'	
BIE	Brione	
BIG	Big Mountain	
BIGH	Upper Bighouse, Forsinard	
BIL2	Estacion Bilbao	
BILB	Tungurahua volcano	
BILL	Bilibino	
BIM	Bigot	
BIN	Binsa	
BING	Binghamton	
BINT	Bingol	
BINY	Binghamton	
BIO	Biorka	
BIP	Bislig	
BIPH	Bislig	
BIPS	Buchanan	
BIR	Birlad	
BIRU	Birjand	
BIRV	Birongo	
BIS	Bismark Peak	
BISC	BISOCA	
BISH	Bishah	
BISR	Bishrakh	
BISS	Bistriski jarek	
BIT	B. Ibn Batouta	BBT
BIU	Bingham Canyon	
BI-VA	Big Stone Gap	
BIW	Bindweide	
BIX	Bixby	
BIZ	Bicaz	
BJA	Jaww	
BJCM	Johnson Can.	JHC
BJDM	Burrinjuck Dam	
BJEM	Burrinjuck	
BJI	Beijing	
BJI2	Beijing	
BJII	Banjamegara	
BJMA	Bojnurd	
BJO	Bjornoya	
BJO1	Bjornoya	
BJOM	Mount Johnson	
BJRD	Bojnu@18rd	
BJT	Baijiatuau	
BJU	Chiapas	
BJUU	Bjuv	
BK-	Bald Knob	BK-AR
BKA	Kennedy	
BK-AR	Bald Knob	
BKB	Balikpapan	
BKB2	Balikpapan	
BKC	Brookwood Reservoir	
BKCOR	Black Crater	
BKE	Bekescsaba	
BKG	Blockade Glacier	
BKHT	Bunker Hill	
BKI	Bering	
BKJ	Big Koniuji Island	
BKL	Bakel	
BKLB	Ruhr-University Bochum--Klosterbusch	
BKM	Butte a Klehm	
BKN	Blacknest	
BKNI	Bangkinang	
BKO	Bokosso	
BKOA	Assam	
BKR	Bakuriani	
BKRC	Baker	
BKS	Berkeley--Byerly	
BKSI	Bulukumba	
BKT	Bakacak	
BKU	Beaver Lake Mountains	
BKZ	Black Stump Fm	
BL-	Beckley	BL-WV
BL1	Borgo	BSL
BLA	Blacksburg	
BLAC	Blackrock camp	
BLAF	les Blancs	
BLBC	Blue River	
BLBQ	Baie-St-Paul	
BLC	Baker Lake	
BLCB	Balcova	
BLCC	Black Canyon	
BLCH	La Chartreuse	
BLCS	Bulochka	
BLD	Baljuvan	
BLDC	Black Mountain	
BLDU	Ballidu	
BLE	Bellville	
BLEU	Blekinge	
BLF	Bloemfontein	
BLG	Laguna Peak	
BLGA	Beluga	
BLGI	Bet Lehem HaGelilit	
BLGM	Bulgan	
BLH	Bald Hill	
BLHA	Black Hill	
BLHR	Bucharest-Stefan cel Mare Str.	
BLI	Bleialf	
BLIT	Baltah	
BLJ	Bijeljina	
BLJI	Banyuglugur	
BLJS	Baljurashi	
BLK	Black Butte	
BLKC	Black Mountain	
BLKT	Balakot	
BLL	Bellingham	
BLLA	Bellaria	
BLLM	Bellamira	
BLLO	Bulolo	
BLM	Blue Mountain	BMT
BLM*	Bell Mountain	
BLMT	Blacktail Mountain	
BLMY	Blum	
BLN	Blyn Mountain	
BLNT	Belen	
BLO	Bloomington	
BLP	Lompoc	
BLPI	Bilaspur	
BLR	Black Rapids	
BLRM	Lewis Ranch	
BLRR	Bol'shaya Rechka	
BLS	Blasjo	
BLS1	Blasjo	
BLS2	Blasjo	
BLS3	Blasjo	
BLS5	Blasjo	
BLSD	Baie du Lac Sali	
BLSI	Bandar Lampung	
BLSP	Bilaspur	
BLT	Belted Range	
BLTW	Bickleton	
BLU	Blue Ridge	
BLV	Bailadores	
BLVT	Baltimore	
BLW	Big Hill	
BL-WV	Beckley	
BLWY	Bulawayo	
BLY	Banja Luka	
BLYC	Blythe	
BLZ	Bolzano	
BM-	Balmorhea	BM-TX
BM01	Burnt Mountain Array Site 1	
BM02	Burnt Mountain Array Site 2	
BM03		BM3
BM04	Burnt Mountain Array Site 4	
BM05	Burnt Mountain Array Site 5	BMAR
BM3	Burnt Mountain Array Site 3	
BMA	Barra Mansa	
BMAR	Burnt Mountain Array Beam Reference Point	
BMAS	Trigal station	
BMB	Barrage Mohamed Ben Abdellah	
BMBC	Bull Mountain	
BMCM	McPhails Peak	
BMD	Beni Messoud	
BME	Barrage Mansour Eddahbi	
BMG	Bucaramanga	
BMHM	Mount Harlan	
BMI	Bomdila	
BMK	Barrage El Makhazine	
BMK*		BMKM
BMKM	Barrage Mohammed V	
BMKR	Bomnak	
BML	Blue Mountain Lake	
BMM	Big Maria Mountains	
BMN	Battle Mountain	
BMNI	Bima	
BMNM	Bear Mountains	
BMO	Blue Mountains Array	
BMOL	Mol	
BMOR	Cotopaxi Volcano	
BMR	Baia Mare	
BMRD	Maredsous	
BMRM	Bremner River	
BMRO	Meriville Lake	
BMRR	Black Mountain	
BMS	Big Muddy Lake	
BMSB	Bamfield Marine Station	
BMSH	Bir Mashi	
BMSM	Mercy Hot Springs	
BMT	Blue Mountain	
BMT*	Black Mountain	
BMTC	Bear Mountain	
BMTN	Black Mountain	
BM-TX	Balmorhea	
BMU	Muharraq	
BMUT	Black Mountain	
BMW	Boistfort Mountain	
BMY	Bingley Moor	
BN2S	Brisbane 2 Soft	
BNA	New Abbey	
BNAB	Bonilla	
BNALP	Bannalp	
BNAS	Cotopaxi Volcano	
BNB	Barry Inlet	
BNC	Bambui	
BND	Bandung	
BNDI	Bandanaira	
BNDS	Bandar-Abbas	
BNE	Burnie High School	
BNG	Bangui	
BNGB	Bing¨¶l	
BNGL	BINGOL	
BNGR	Bahawalnagar	
BNH	Berlin	
BNI	Bardonecchia	
BNJ	Bonny Gate	
BNLO	Ben Lomond (Santa Cruz Mountains)	
BNM	Barren Site	
BNN	Bunyan	
BNON	Benoni	
BNP	Banawang	
BNPN	Boundary Peak	
BNS	Bensberg	
BNSI	Bone	
BNT	Bandirma	
BNV	Benevento	
BNY	Binghamton	
BO-	Brewton	BO-AL
BO1	Boulder	
BOA	Boaco	
BOA1	Boaco	
BOAB	BOACO BROADBAND	
BOAC	Boac	
BO-AL	Brewton	
BOB	Bobbio (Coli)	
BOC	Bochum	
BOCO	Bogota	
BOD	Bodaibo	
BODR	Bodie	
BODT	Bodrum	
BODY	Near Bada	
BOF	Bonneval	
BOG	Bogota	
BOH	Bohocortia	
BOI	Boisen	
BOIN	Boiestown	
BOJ	Boujaaouane	
BOJS	Bojanci	
BOK	Bokaro	
BOKR	Bokaro	BOK
BOL	Bologna	
BOLM	Sugar Bowl	
BOLP	Bolinao	
BOLS	Boljevac	
BOLV	Bolvadin	
BOM	Bombay	
BON	Bonds Corner	
BONR	Boundary Peak	
BOO	Bordano	
BOOC	South Base Booster	
BOOM	Boomskoye uschel'e	
BOON	Boondooma	
BOPT	Opiter	
BOQS	Boqueron	
BOQSS		
BOR	Borzhomi	
BORA	Eskisehir	
BORC	Borrego Springs	
BORG	Borgarnes	
BORI	Bordano	BOO
BORS	Borseda	
BORU	Boraas	
BOS	Bosque Alegre	
BOSA	Boshof	
BOSI	Bolzano	
BOSL	Borgo San Lorenzo	
BOSS	Bosilegrad	
BOST	Ostende	
BOT	Bacolet	
BOTT	Botticino	
BOTV	Botiquin	
BOU	Boulder	
BOURR	Bourrignon	
BOV	Bogong Mts	
BOVS	Bovan	
BOW	Bowman	
BOX	Box Canyon	
BOXN	Box Lake	
BOY	Boyalica	
BOYT	Boyabat	
BOZ	Bozeman (W)	
BOZC	Bozcaada	
BOZD	Bozcaada-Canakkale	
BP-	Bishop	BP-CL
BPA	Boggy Peak	
BPAT	Tungurahua Volcano	
BPAW	Bear Paw Mtn.	
BPBC	Brooks Peninsula	
BPBCA	Veniaminof	
BPCB	Bare Point	
BP-CL	Bishop	
BPCM	Pine Canyon	
BPFM	Pfieffer Point	
BPI	Johannesberg	
BPIL	Belle Prairie	
BPIM	Pinnacles	
BPK	Black Peak	
BPM	Bucksport	
BPMT	Black Pine Ridge	
BPO	Bald Peter	
BPOM	Post Ranch	
BPPM	Pinyon Peak	
BPRM	Ponciano Ridge	
BPT	Bridgeport	
BPU	Bountiful Peak	
BQA	Beqa	
BQ-AK	Bethel	
BQB	Bob Quinn Lake	
BR-	Berlin (Penn)	BR-PA
BR00	Belbasi Site	BRAR
BR01	Belbasi Array Site 1	
BR02	Belbasi Array Site 2	

Code	*Station Name*	*Other*
BR03	Belbasi Array Site 3	
BR04	Belbasi Array Site 4	
BR05	Belbasi Array Site 5	
BR06	Belbasi Array Site 6	
BR1	Brisbane hardrock	
BR101	Keskin Array Site 101	
BR102	Keskin Array Site 102	
BR103	Keskin Array Site 103	
BR104	Keskin Array Site 104	
BR105	Keskin Array Site 105	
BR106	Keskin Array Site 106	
BR131	Keskin Array Site 131	BRTR
BR2	Brisbane softrock	
BR231	Keskin MP Array Site 231	BRMAR
BR232	Keskin MP Array Site 232	
BR233	Keskin MP Array Site 233	
BR234	Keskin MP Array Site 234	
BR235	Keskin MP Array Site 235	
BR236	Keskin MP Array Site 236	
BR237	Keskin MP Array Site 237	
BR31	Belbasi Array Site 31	BRAR
BRA	Bratislava	
BRAL	Brewton	
BRANT	Les Verrieres	
BRAR	Belbasi Array Beam Reference Point	
BRAS	Brasopolis	
BRAT	Ballarat	
BRB	Barbados	
BRBC	Blue Ridge Broadcasting Company	
BRBR	Barbar	
BRC	Barley Canyon	
BRCI	Bahraich	
BRCN	Bracie Corner	
BRCO	Bruce Peninsula	
BRCR	Berchikul'	
BRD	Bordesti	
BRDA	Ba@14rda@14	
BRDG	Blue Ridge	
BRDH	Bariadhala	
BRE	Wroclaw	
BREC	Barre Substation	
BREF	Cotopaxi Volcano	
BREM	Bremgarten	
BRES	Bressanone	
BREU	Bredtraesk	
BRF	Ar Rifa	
BRG	Berggiesshubel	
BRGC	Borrego Mountain	
BRGM	Braggadocio	
BRH	Birch Hill	
BRHE	Rheinberg	
BRI	Brig	
BRIB	Briones	
BRIE	Brienza	
BRIS	BRISIGHELLA	
BRIU	Brid	
BRIV	Barinas	
BRJ	Black River	
BRK	Berkeley--Haviland	
BRKS	Brookside Elementary School	
BRL	Berlin--Free University	
BRLK	Bradley Lake	
BRM	Bernie	
BRMAR	Keskin MP Array Beam Reference Point	
BRMM	Rolling Bench Mark	
BRMO	Bormio	
BRN	Berlin	
BRNE	Bradley Lake NE	
BRNI	Bet Oren	
BRNJ	Basking Ridge	
BRNL	Berlin--Lankwitz	
BRNM	Bernie	
BRNW	Bradley Lake NW	
BRNY	Black Rk. Forest	
BRO	Bare Mountain	
BROG	Barisakho	
BROM	Bains de Bromines	
BROR	Big Rock Lookout	
BR-PA	Berlin	
BRPK	Brown Peak	
BRPO	Bonnechere River Park	
BRQR	Ronqui¯ore	
BRR	Berryman	
BRS	Brisbane	
BRSB	Brisbane	
BRSD	Miller	
BRSE	Bradley Lake SE	
BRSN	Barisano	
BRSW	Bradley Lake SW	
BRT	Bari-Castellana	
BRTC	Bertell Ranch	
BRTN	Brown Mountain	
BRTR	Keskin Array Beam Reference Point	
BRU	Baru	
BRU2	Volcan	
BRUG	Bruguera	
BRUN	Tungurahua Volcano	
BRUT	Bromley	
BRV	Barrow	
BRVK	Borovoye	
BRVM	Little Rabbit V.	LRV
BRVW	Black Rock Valley	
BRW	Barrow	
BRWK	Brunswick	
BRY	Bratogost	
BRYW	Bryant College	
BRZ	Borland Lodge	
BSA	Byrd (S.R.I.)	BY1
BSBM	Swanson's Bluff	
BSC	Santa Cruz Island	
BSCB	Bom Sucesso	
BSCM	Stone Canyon	
BSCP	Brocks Farm	
BSD	Bornholm Skovbrynet	
BSD*	Akirkeby	BSD
BSE	Boise	
BSEG	Bad Segeberg	
BSF	Ballon Servance	
BSFP	Boeing Fire Protection	
BSGM	Shirttail Gulch	SHG
BSHA	Ruhr-University Bochum--Staatshockbauamt	
BSHR	Al Beshri	
BSI	Banda Aceh	
BSK	Brimstone Hill	
BSKQ	Steenkerk	
BSL	Borgo	
BSLM	Silva Ranch	
BSLQ	Bruslee	
BSM	San Miguel Island	
BS-MA	Billings	
BSMM	Soledad Mission	
BSMT	Bassoo Peak	
BSN	San Nicolas Island	
BSO	Bsor	
BSO1	Boso 1	
BSO2	Boso 2	
BSO3	Boso 3	
BSO4	Boso 4	
BSP	Bush Stream	
BSPQ	Baie-St-Paul	
BSPT	Big Springs	
BSR	Basra	
BSRM	Salinas Radio Site	
BSS	Baronissi	
BSSI	Bau Bau, Buton	
BSSO	Busso	
BST	Brest	
BSTF	la Bastide-des-Jourdans	
BSTI	Sart Tilman	
BSTK	Bystrovka, Novosibirskaya Oblast', Russia	
BSTP	Nigde	
BSTR	Bucharest-Scientist's House	
BSWZ	Blackbirch Station	
BSY	Bisya	
BSYO	Bisya	
BSZ	Bushy Park	
BT-	Bates	BT-OR
BTA	Talkin	
BTAM	Cotopaxi Volcano	
BTAS	Taskesti	
BTB	Buttle Lake	
BTC	Butembo	
BTCC	Brunts Corner	
BTCH	Batrach	
BTDF	Bukit Timah Dairy	
BTE	Batoke	
BTEZ	Ruhr-University Bochum--Technical Center	
BTG	Basse Terre	
BTGS	Batagay	
BTH	Betharram	
BTHS		
BTHT	Jabal bu Thady	
BTI	Bat Shelomo	
BTIN	Bart¯–n	
BTK	Batken	
BTKR	Batakoyurt	
BTL	Butler Peak	
BTLK	Bitlis	
BTLR	Botlikh	
BTM	Bintulu	
BTMB	Babushkin	
BTMN	Batman	
BTMR	Bucharest-Geotec Company	
BTMT	Batman	
BTN	Butuan	
BTNI	Buton	
BTO	Baotou	
BTOK	Tokmak	
BT-OR	Bates	
BTP	Batelco	
BTPC	Burnt Peak	
BTR	Butare	
BTU	Barney Top	
BTW	Bitterwater Creek	
BTY	Beatty	
BU-	Buckingham	BU-QB
BUA	Buia	
BUAY	Buenos Aires	
BUB	Buchberg	
BUC	Bucharest	
BUC1	Bucharest	
BUC2	Bucharest	BUC1
BUCF	Bucures@17ti--IRSA	
BUCH	Bad Urach	
BUCK	Buck Mountain	
BUCM	Buckrabanyule	
BUCN	Buchan	
BUD	Budapest	
BUDM	Budderoo	
BUE	Buenavista	
BUEV	Buena Vista	
BUF	Buffalo	
BUFB	Buffelsbos	
BUG	Bochum--University	
BUGC	Buga	
BUH	Buhlerhohe	
BUI	Burke	
BUII	Buia	BUA
BUJR	Buynaksk	
BUK	413	
BUKO	Buck Lake	
BUKP	Musuan	
BUL	Bulawayo	
BULB	Ulba Tungurahua	
BULE	Bulengo	
BULG	Bulgheria - Camerota	
BULI	Ruhr-University Bochum - Language Institute	
BULL	Bull Run Dam	
BULN	Bullion Camp, Hudson Bay	
BUM	Brajici-Budva	
BUN	Bunnythorpe	
BUNC	Butner	
BUNI	Buntu Taipa	
BUO	Burlington	
BUOR	Burton Butte	
BU-QB	Buckingham	
BUR	Burlington	
BUR01	Bucovina Ar. Site	
BUR02	Bucovina Ar. Site	
BUR03	Bucovina Ar. Site	
BUR04	Bucovina Ar. Site	
BUR05	Bucovina Ar. Site	
BUR06	Bucovina Ar. Site	
BUR07	Bucovina Ar. Site	
BUR08	Bucovina Ar. Site	
BUR09	Bucovina Ar. Site	
BUR32	BURAR	
BUR33	BURAR	
BURAR	Bucovina Array	
BURD	Burdekin Lookout	
BURJ	Burma	
BURN	Burns	
BURU	Burvik	
BUS	Buena Vista	
BUSP	Coron	
BUT	Butte	
BUTP	Butuan	
BUTX	Baylor University	
BUV	Buchan	
BUW	Bucklebury West	
BUWY	Burn	
BUY	Buyukada	
BUZR	Buzau	
BV-	Belleville	BV-PA
BV1	Bath County 1	
BV2	Bath County 2	
BV3	Bath County 3	
BV4	Bath County 4	
BVA	Buena Vista	
BVA0	Borovoye Array Site A0	
BVA1	Borovoye Array Site A1	
BVA2	Borovoye Array Site A2	
BVA3	Borovoye Array Site A3	
BVA4	Borovoye Array Site A4	
BVAR	Borovoye Array Beam Reference Point	
BVB5	Borovoye Array Site B5	
BVB6	Borovoye Array Site B6	
BVB7	Borovoye Array Site B7	
BVB8	Borovoye Array Site B8	
BVB9	Borovoye Array Site B9	
BVC	Bear Valley Observatory	NOLM
BVC2	Cotopaxi Volcano	
BVCR	Bucharest-Old Court	
BVCY	Beaver Creek	
BVD	Bellevue State Park	
BVG	Bouganvilia	
BVH	Beverly Hills	
BVIL	Belleville	
BVK	Beaver Lake	
BVL	Bear Valley	
BVLM	Bear Valley	BVL
BVM	Bellevue	
BV-PA	Belleville	
BVR	Beaver	
BVT	Borgo Val di Taro	
BVTM	Michoacan	
BVV	Ba Vi	
BVW	Beverly	
BVYM	Vineyard	
BW-	Blewett	BW-WA
BW06	Boulder Array Site 6	
BWA	Boorowa	
BWD	Brandywine Creek State Park	
BWH	Wardlaw	
BWI	Barbuda	
BWJI	Bawean	
BWLO	Walkerton	
BWN	Browne	
BWNR	Bhubaneshwar	
BWP	Baguio Weather Station	
BWTI	Baumata	
BW-WA	Blewett	
BWZ	Berwen	
BX-	Blanding	BX-UT
BX-UT	Blanding	
BY1	Byrd--Stanford Research Institute	
BY2	Byrd--Stanford Research Institute	
BY3	Byrd--Stanford Research Institute	
BYA	Byrd--Stanford Research Institute	
BYAR	Belyy Yar	
BYB	Berrybush	
BYBT	Boyabat	
BYD	Bredaryd	
BY-IO	Bloomfield	
BYJI	Banyuwangi	
BYN	Bayano	
BYO	Bayan-Olgiy	
BYR	Byrd	
BYRJ	Bayer	
BYT	Bytom	
BYU	Brigham Young University	
BYX	Boyer Ranch	
BYXU	Byxelkrok	
BZ-	Buckhannon	BZ-WV
BZE	Bozeman	
BZER	Hlnxe	
BZEV	Zevekote	
BZGR	Bezymyannyi-Griva	
BZK	Bozkurt	
BZM	Bozeman	
BZMR	Bezymyannaya	
BZMT	Bozeman Pass	
BZN	Bogi-Zagon	
BZNA	Buzz No.'s Place	
BZS	Buzias	
BZWR	Bezymyannyi-West	
BZ-WV	Buckhannon	
C004	Frazione Salia	
C03A	Quillayute Airport, Forks	
C04A	Brinnon	
C05A	Tolt Reservoir	
C06A	Tall Timber Ranch, Leavenworth	
C06D	Leavenworth	
C07A	Waterville	
C08A	Higginbotham Farm, Almira	
C09A	Chrisman Ranch, Davenport	
C10A	Spilker Farm, Colbert	
C11A	Tepee Creek (NFS), Magee	
C12A	Trout Creek	
C12B	Naegeli Ranch, Trout Creek	
C13A	Hot Springs	
C14A	Swan Lake	
C15A	Salmond Ranch, Choteau	
C16A	Fuhringer Ranch, Dutton	
C17A	Wharram Farm, Highwood	
C19A	Slack Wire Ranch, Winifred	
C1SC	The Citadel Site 1	
C20A	Veseth Ranch, Zortman	
C21A	Desert Coulee Ranch, Glasgow	
C22A	Vida	
C23A	Lambert	
C24A	Savage	
C25A	Freed Ranch, Watford	
C26A	Wahner Farm, Parshall	
C27A	Sayler Ranch, Douglas	
C28A	Hausauer Farms, Kief	
C2SC	The Citadel Site 2	
C30A	Mose, Pekin	
C39A	Grand Marais	
CA-	Caryville	CA-TN
CA2	Cagliari Serpeddi	CGL
CAA	Chanaral	
CAB	Cabramurra	
CABA	Caballo Blanco	
CABF	La Chapelle	
CABP	Cabo Pasado	
CABS	Djebel Ababsia	ABSA
CAC	Calama	
CACB	Caconde	
CACC	Caltech Cellar	
CACH	El Canelo	
CACM	Antioch	
CAD	Cady Mountains	
CADI	Tunel del Cadi	
CADM	Anderson Res.	ADR
CADS	C@19adrg	
CAE	Caneva	
CAEH	'Ain El Ouahch	
CAF	Calviac	
CAFE	Carife	
CAFI	Castiglion Fiorentino	
CAFR	Castel Frentano	
CAFV	EL CAFE	
CAG	Caguas	
CAGN	Cagnes-sur-Mer	
CAGR	Agira	
CAGT	Chagyl	
CAH	Castle Hill	
CAHC	Cahuilla Valley	
CAHL	Cahill	
CAHU	Cacacuatique	
CAI	Caico	
CAIG	El Cayaco	
CAIM	Angel Island	AGC
CAIV	Caiguire	
CAL	Calcutta	
CALA	Caldeira	
CALB	Calabasas	
CALC	California City	
CALF	Calern	
CALI	Calice al Cornoviglio	
CALM	Calaveras Res.	CVR
CALN	Calern	
CALP	Taal Volcano	
CALV	Calvario	
CAM	Cambridge	
CAM1	Macae	
CAM3	Guarapari	
CAM4	Nova Friburgo	
CAMB	Cambridge (NY)	
CAMC	Camarillo Hills	
CAMI	Rancho Maria	
CAMM	Veracruz	
CAMN	Camsell Lake	
CAMP	Campotosto	
CAMV	Campeare	
CAN	Canberra	
CANA	Caviahue	
CANB	Canakkale	
CANN	Canning Dam	
CANR	Candelaria	
CANT	Cankiri	
CANV	Cerro Antonio	
CANY	Canisius	BUF
CAO	Cobano	
CAOM	Arnold Ranch	ARN
CAOV	Caicara del Orinoco	
CAP	Capodimonte	
CAPC	Capurgana	
CAPCA	Capra Ranch	
CAPR	Capriolo	
CAPU	Utah State Capitol	
CAPV	Capacho	
CAR	Caracas	
CAR1	CAROLEI	
CARB	Mount Cartier	
CARC	Carrizo Plain	
CARF	Carcanieres	
CARL	Carlisle	
CARM	Carmen	
CARO	Carolei	
CARS	Cars	
CART	Cartagena	
CAS	Casamari	
CASA	Carruther's Hill	
CASM	Ain Smara	
CASO	Castillo	
CASP	Castiglione della Pescaia	
CASR	Casa Diablo Mountain	
CAST	Castle Rocks	
CASW	Cayambe	
CASY	Casey	
CAT	Catania	
CATA	Catuaro Arriba	
CATE	Catamayo	
CATM	Catron	
CA-TN	Caryville	
CAUB	Caruaru	
CAUP	Cauayan	
CAV	Cavalese	
CAVC	Cave Mountain	
CAVI	Cavuskoy	
CAVM	Cavillon	
CAVN	Les Avellanes	
CAVT	Castelvetrano	
CAVTT	Cavuskoy	
CAW	Cannon Point	
CAY	Cayenne	
CAYA	Cayambe	
CAYR	Refugio Cayambe	
CAZ	Castlepoint	
CAZE	Cazenovia	

Code	Station Name	Other
CB01	Cambridge Bay Array Site 1	
CB02	Cambridge Bay Array Site 2	
CB03	Cambridge Bay Array Site 3	
CB04	Cambridge Bay Array Site 4	
CB05	Cambridge Bay Array Site 5	
CB06	Cambridge Bay Array Site 6	
CB07	Cambridge Bay Array Site 7	
CB08	Cambridge Bay Array Site 8	
CB09	Cambridge Bay Array Site 9	
CB1	Chesbro Res. 1	ADR
CB10	Mt Hamilton Road	MHR
CB11	Cambridge Bay Array Site 11	
CB12	Cambridge Bay Array Site 12	
CB13	Cambridge Bay Array Site 13	
CB14	Cambridge Bay Array Site 14	
CB15	Cambridge Bay Array Site 15	
CB16	Cambridge Bay Array Site 16	
CB17	Cambridge Bay Array Site 17	
CB18	Cambridge Bay Array Site 18	
CB19	Cambridge Bay Array Site 19	
CB2	Calero Reservoir	
CB3	Chesbro Res. 3	COE
CB31	Cambridge Bay Array Site 31	CBAR
CB32	Cambridge Bay Array Site 32	
CB33	Cambridge Bay Array Site 33	
CB34	Cambridge Bay Array Site 34	
CB35	Cambridge Bay Array Site 35	
CB4	Chesbro Res. 4	ARN
CB5	Chesbro Res. 5	SVC
CB6	Chesbro Res. 6	CVR
CB7	Poverty Ridge	
CB8	Chesbro Res. 8	
CB9	Mines Road	MNR
CBA	Cold Bay	
CBAR	Cambridge Bay Array Beam Reference Point	
CBB	Campbell River	
CBBF	Combe Brimond	
CBC	Chamberlain	
CBCC	Caltech Broad	
CBCH	Cabildo	
CBCY	The Bluff, Cayman Brac	
CBD	Cypress Bend	
CBET	Carlsbad E Tower	
CBEU	Beuda	
CBHM	Coso Basin North	
CBHT	Chr Bro Hi School	
CBI	Chichi jima	
CBIJ	Chichi jima	
CBJI	Citeko	
CBK	Corner Brook	
CBKC	Canebrake	
CBKS	Cedar Bluff	
CBLG	Bald Mountain Lookout	
CBM	Caribou	
CBMO	Girardeau Bridge	
CBN	Corbin	
CBND	Bou Andas	
CBO	Chesbro Reservoir	
CBP	Campbellpur	
CBR	Cabramurra	
CBRG	Chuberi	
CBRM	Bolinger Road	BGC
CBRQ	Cabonga Reservoir	
CBRU	Bruguera	
CBS	Caborca	
CBSM	Byron Hot Springs	
CBSW	Chelan Butte South	
CBT	Christianburg	
CBTI	Cedar Butte	
CBW	Chelan Butte	
CBW1	Budock Water	
CBWM	Brookwood Res.	BKC
CBX	Cerro Bola	
CBY	Cold Bay	
CBYB	Canovanas	
CBYP	Canovanas	
CBZ	Campbell Island	
CBZL	Buffer Zone	
CBZM	Michoacan	
CC03	Monteleto	
CC1	Presa Caracol 1	
CC2	Presa Caracol 2	
CC3	Presa Caracol 3	
CC4	Presa Caracol 4	
CC5	Presa Caracol 5	
CCA	Coamo	
CCA1	Carnmenellis	
CCAC	Calif City Airpt	
CCAN	Las Canadas	
CCAR	Cane Creek	
CCAS	Cassa de la Selva	
CCAZ	Cataract Creek	
CCB	Clear Creek Butte	
CCC	Cusp Creek	
CCCA	Chr Cany lake	
CCCC	Cccc	
CCCH	Con Con	
CCD	Concordia, Antarctica	
CCE3	Bocca Seriola	
CCF	CONSTANTA	
CCG	Camp Century	
CCH	Cochabamba	
CCHE	Chesterland	
CCHI	Chillan	
CCHK	Cheung Chau	
CCI	Cagliari Citta	
CCIG	Comitan	
CCK	Cocos Island	
CCM	Cathedral Cave	
CCMO	Creve Coeur	
CCMT	Clark Canyon Reservoir	
CCMX	Caleta Campos	
CCN	Cachucha Ranch	
CCN3	Pietralunga	
CCNC	Camp Creek Bald	
CCNE	Clay Center	
CCNM	Crow Canyon Rd	CYC
CCO	Chico	
CCO1	Constantine	
CCOB	Coe Ranch Number 3	
CCOK	Camp Classen	
CCOM	Coe Ranch	COE
CCP	Cebu City	
CCPU	Cedar City Park	
CCR	Chacarita	
CCRB	Cholame Creek	
CCRM	Cairn Curran	
CCRT	Cow Camps Rge	
CCS	Cawcaw Swamp	
CCSP	San Pedro de Concepcion	
CCT	Chilecito	
CCU	Cedar City	
CCUT	Cedar City	
CCVA	Cudjo Caverns	
CCVB	Con Cuong	
CCW	Cape Campbell	
CC-WA	Cascade Tunnel	
CCX	Cicese	
CCYM	Coyote Hills	
CD2	Chengdu	
CDA	Cape Douglas	
CDAG	Cicekdag	
CDAL	Dalton Road	
CDAM	Ciudad Altamirano	
CDB	Caldarusani	
CDC	Canada Road	
CDCA	Citt' di Castello	
CDCB	Carmo do Cajuru	
CDCH	Caldera	
CDD	Cape Douglas	
CDF	Champ du Feu	
CDFW	Cedar Flats	
CDG	Carters Dam	
CDH1	Calico Hills	
CDH5	Calico Hills	
CDI	Cordova	
CDKN	Chidliak Camp Nunavut	
CDL	Candle	
CDL2	Cedral	CDRL
CDLV	Cueva Verdes	
CDM	Cerro de Muerte	
CDMR	Cedar Moraine	
CDN	Cerro del Durazano	
CDNM	Cardinia	
CDO	Cedar Creek	
CDOM	Doolan Road	DOO
CDP	Cerro de Punta	
CDPB	Cerro de Punta	
CDR	Cadarache	
CDRL	Cedral	
CDRO	Cedros	
CDRU	Civita di Ruta - Ottati	
CDSB	Chapadao Do Sul	
CDSM	Don Santos Ranch	
CDT	Castel del Monte	
CDU	Chengdu	
CDU1	Dunnerdale	
CDUM	Durate Ranch	DUC
CDVI	St. Croix	
CDVM	Del Valle	
CDY	Cape Darby	
CDZ	Cobb Dam	
CE-	Concrete	CE-WA
CEA	Ceahlau	
CEAP	Semis' Anvil Peak	
CEC	Childress 1	
CECL	East Claridon	
CECO	Cedaredge	
CECU	Ecuador Network	
CED	Cedar Springs	
CEDE	Laguna Cedè–o	
CEDI	Cerro Diablo	
CEDR	Cedros	
CEH	Chapel Hill	
CEI	Carei	
CEIV	La Ceiba	
CEL	Celeste	
CELB	S.Piero in Campo Elba	
CELP	Cerrillos	
CEM	Cemisgezek	
CEME	Cevo	
CEN	Cerronegro	
CEN1	Los Morros	
CENE	Cerro Negro	
CEO	Cerro Encantado	
CEOS	Cerro El Oso	
CEP	Cherat	
CEPE	Semis' Perret Rge	
CER	Ceres	
CERA	Filignano	
CERAA	Semis' Rag'd Top	
CERB	Semis' Cerberus	
CERR	Cheremushki	
CERT	Cerreto	
CERV	Cerron	
CES	Cherskiy	
CESI	CESI - Serravalle di Chienti	
CESL	Cescau	
CESS	Cesta pri Krskem	
CEST	Esterri de Cardos	
CESW	Semis' Southwest	
CESX	Cesi	
CETU	Semis' Tuman	
CEU	Ceuta	
CEUT	Ceuta	
CE-WA	Concrete	
CEY	Cerknica	
CEYT	Ceyhan	
CF-	Colfax	CF-WS
CFA	Coronel Fontana	
CFAA	Coronel Fontana	
CFC	Cairnmuir Flats	
CFF	Clermont-Ferrand	
CFI	College Fiord	
CFL	Chilao Flats	
CFM	Cliffside	
CFO	Chats Falls	
CFON	Fontmartina	
CFR	Carcaliu	
CFS	Cross Fire Station	
CFSC	Central Fire St	
CFT	Crafton Hills	
CFTV	Fuerteventura	
CFU	Cove Fort	
CFUE	Fuerteventura	
CFWM	Cactus Flat West	
CF-WS	Colfax	
CG-	Cumberland Gap	CG-VA
CGA	Cape Gloucester Airport	
CGA2	Cerro Gallo 2	
CGAC	Cerro Gallo	
CGAR	Garraf	
CGC	Craig	
CGD	Chagda	
CGG	Guerrero	
CGGP	Crater GGP	
CGH	Cape Good Hope	
CGH1	Goonhilly	
CGI	Chicago	
CGIG		
CGJI	Cibinong	
CGL	Cagliari Serpeddi	
CGLM	Capps Glacier	
CGM	Cape Girardeau	
CGMA	Guelma	
CGN	Calugareni	
CGO	Cerro Gordo	
CGP	Cagayan de Oro	
CGPM	Gavin Park	
CGPV	Cottongarden Point	
CGR	Cap Guir	
CGRP	Cima Grappa	
CGRR	Girdled Road	
CGSM	China Gardens South	
CGT	Chuian-Garon	
CGTN	Cumberland Gap	
CGTX	Campo Grande	
CGUE	Guelma	CGMA
CGV	Camp Garcia	
CG-VA	Cumberland Gap	
CGVM	Cerro Gordo	
CGW	Gweek	
CGX	Ciudad Guzman	
CGY	Coligny	
CH-	Churchill	CH-MT
CH2	Chocolate Mountain	
CH5	Clark Hill Reservoir	
CH6	Clark Hill Reservoir	
CHA	Chatra	
CHAF	Chalampe	
CHAG	Chala	
CHAI	Chaiyaphum	
CHAM	Chaffey Accelerograph	
CHAN	Chania	
CHAR	Charly	
CHAS	Isla Isabel II, Islas Chafarinas	
CHAT	Chantaburi	
CHAU	Chaumont	
CHB	Church	
CHBI	Chibit, Altay Republic, Russia	
CHBR	Chabahar	
CHBT	CHBT	
CHBY	Cihanbeyli	
CHC	Chapel Hill	
CHCH	Chadas Angostura	
CHCP	Chirah Chowk	
CHDN	Chaudanne	
CHDS	Charjew	
CHDUK	Cheddleton UK	
CHE	Cheb	
CHEG	Cheticamp, Nova Scotia	
CHER	Cherat	
CHET	Chet-Su	
CHF	Calhoun Falls	
CHFC	Chilao Flat Sta	
CHFM	Chaffey Dam	
CHFR	Pto Chacabuco	
CHG	Chiang Mai	CHTO
CHGM	Chingoma	
CHGN	Chignik	
CHGQ	Chibougamau	
CHH	Chihuahua	
CHI	Chicago-Loyola	
CHI1	Chimborazo	
CHI2		
CHIA	Chirikof Island	
CHIC	Chingaza	
CHIE	El Hierro	
CHIF	Chize	
CHIL	Chillagoe	
CHIM	Chimborazo	
CHIN	Chinandega	
CHIO	Chio	
CHIP	Near Potsdam	
CHIQ	Chicoutimi-Nord	
CHIR	Chirikof Island	
CHIR1	Chironico	
CHIS	Cerro-Chispas-Manabi	
CHIX	Chihuahua	
CHJ	Chichibu	
CHJJ	Chichibu	
CHK	Chicago	
CHK4	Chkalova array site	
CHK5	Chkalova array site	
CHK6	Chkalova array site	
CHK7	Chkalova array site	
CHK8	Chkalova array site	
CHK9	Chkalova array site	
CHKA	Cham-Katzbach	
CHKI	Chanki	
CHKK	Chushkaly	
CHKT	Chengkung	
CHKZ	Chkalovo	
CHL	Chilik	
CHLD	Childara	
CHLP	Challavanipeta	
CHM	Chimkent	
CHMF	Charmoille	
CHMN	Cheshme madani	
CHMS	Chumysh	
CHMT	Chamberlain Mountain	
CH-MT	Churchill	
CHMZ	Choma	
CHN	Chinchina	
CHN1	Nanshi	
CHN2	Minshiung	
CHN3	Shinhua	
CHN4	Tsaushan	
CHN5	Tsauling	
CHN6	CHN6	
CHN7	Lioujiau	
CHN8	Yiju	
CHNC	Chino	
CHNG	Los Chungos	
CHNM	Channel	
CHO	Chosi	
CHO1	Chosi	
CHOC		
CHOI	Coyote Hollow	
CHOJ	Chosi	
CHOR	Cabbage Hill	
CHOS	Chios island	
CHP	Chuchupate	
CHP1	Pelados	
CHP2	Corcovado	
CHP3	Chocan	
CHP4	Algarobillo	
CHP5	Huaypira	
CHP7	Eten	
CHP8	Chiclayo	
CHPA	Chiripa	
CHPM	Chiautla de Tapia	
CHQ	Charlesbourg	
CHR	Christchurch	
CHRM	Charleston	
CHRN	Cochrane	
CHRT	Chiangrai	
CHRU	Chernivtsi	
CHRY	Calls Hollow Road	
CHS	Chusal	
CHSA	Colony High School	
CHT	Chittagong	
CHTH	Charan	
CHTJ	Chita	
CHTL	Chitral	
CHTN	Church Hills	
CHTO	Chiang Mai	
CHU	Chur	
CHUD	Chudeng	
CHUH	Cerro de Hula	
CHUM	Lake Minchumina	
CHUS	Chupsang	
CHV	Chiavari	
CHVC	Chvalec	
CHVG	Ch'k'valeri	
CHVM	Chichinautzin	
CHW	Chowiet Island	
CHX	Chaix Hills	
CHY	Chiayi	
CHZ	Chorzow	
CHZP	Chorzow	
CI-	Clintwood	CI-VA
CIA	Chichaoua	
CIAC	Catalina I. Airport	
CIB	Cedar Butte	
CICH	Cipreses	
CICO	Icod de los Vinos	
CIGN	Sant'Elia a Pianisi	
CIGS	Centro de Investigaciones Geotecnicas	
CII	Carovilli	
CIM	Chimachoy	
CIMO	Cimolais	
CIN	Cine	
CING	Cingoli	
CIO	Camerino	
CIOR	Ciorogarla	
CIP	Cipolletti	
CIPM	Puebla	
CIQ	Chicoutimi	
CIR	Chiredzi	
CIRL	Cave In Rock	
CIRO	Champorcher	
CIRR	Tsirk	
CIS	Catalina Island	
CISC	Cisc	
CISI	Cisompet, Garut	
CIT	Chita	
CIU	Catalina Island	
CI-VA	Clintwood	
CIVM	Cilcuayo	
CIW	Santa Catalina Island West	
CIZ	Chatham Islands	
CJA	Chijiwa	
CJM	Chamela	
CJR	Cluj-Napoca	
CJR1	Cluj-Napoca	
CJV	Casa Juvan	
CJW	Canyon Junction	
CK-	Cache Creek	CK-BC
CKA	Chakrata	
CK-BC	Cache Creek	
CKC	Cook Canyon	
CKE	Keswick	
CKFL	Kef-Lekhel	
CKHR	Kef el Ahmar	
CKHZ	Cape Kidnappers	
CKI	Cairo Montenotte	
CKK	Chekok	
CKL	Chakachamna Lake	
CKLZ	Chkalov	
CKM	Coopers Lake	
CKN	Chakachatna North	
CKO	Chalk River	
CKP	Chanarkot	
CKR	Christmas Creek	
CKT	Bend	
CL-	Challis	CL-ID
CL1	Del Valle	CDVM
CL2	Mines Road	CMNM
CLA	Chala	
CLA1	Claut1	
CLAB	ClautB	
CLAN	Lanzarote	
CLAP	Shields Creek	
CLAR	Clarkstown	
CLAW	Mount Claude	
CLB	Chilbolton	
CLC	China Lake	
CLCB	Lake Chabot	
CLCH	Cerro Calan	
CLCM	Lake Chabot	LKC
CLCV	CALICANTO	

Code	*Station Name*	*Other*
CLD	Caldera	
CLDR	Caldiran	
CLE	Cleveland	
CLEO	Cleveland Museum of Natural History	
CLF	Chambon-Foret	
CLG	Cologne	
CLH	Cheltenham	
CLI	Colonesti	
CLIC	Calipatria	
CL-ID	Challis	
CLIN	Clinton	
CLIR	CLINCENI	
CLJI	Cilicap	
CLK	Chileka	
CLKR	Crowley Lake	
CLL	Collm	
CLLI	Llivia	
CLLN	Colliano	
CLLP	Cerrillos	
CLM	Coleman	
CLMC	Lago Colima	
CLN	Carlsbad	
CLN2	Carlsbad 2	
CLN4	Carlsbad 4	
CLN6	Carlsbad 6	
CLN7	Carlsbad 7	
CLNB	Carlsbad	
CLNS	Chul'man	
CLO	Closani	
CLP	Clara Peak	
CLPO	Centennial Lake Park	
CLR	Collurania	
CLRN	Clyde River	
CLS	Calistoga	
CLSB	Cack Lake	
CLT	Charlottesville	
CLTB	Caltabellotta	
CLTC	Calectric	
CLTR	Calitri	
CLU	Cluj	
CLUD	Cludinico	
CLV	Cleve	
CLVB	Cleveland Dam	
CLVN	Colville Lake	
CLW	Colville	
CLWO	Collingwood	
CLX	Calx Mountain	
CLY	Crystal Lake	
CLZ	Clausthal	
CM01	Chiang Mai Array Site 1	
CM02	Chiang Mai Array Site 2	
CM03	Chiang Mai Array Site 3	
CM04	Chiang Mai Array Site 4	
CM05	Chiang Mai Array Site 5	
CM06	Chiang Mai Array Site 6	
CM07	Chiang Mai Array Site 7	
CM08	Chiang Mai Array Site 8	
CM09	Chiang Mai Array Site 9	
CM1	Central Minnesota Array	
CM10	Chiang Mai Array Site 10	
CM11	Chiang Mai Array Site 11	
CM12	Chiang Mai Array Site 12	
CM13	Chiang Mai Array Site 13	
CM14	Chiang Mai Array Site 14	
CM15	Chiang Mai Array Site 15	
CM16	Chiang Mai Array Site 16	CMAR
CM17	Chiang Mai Array Site 17	
CM18	Chiang Mai Array Site 18	
CM2	Central Minnesota Array	
CM3	Central Minnesota Array	
CM31	Chiang Mai Array Site 31	
CM32	Chiang Mai Array Site 32	
CM33	Chiang Mai Array Site 33	
CM34	Chiang Mai Array Site 34	
CM35	Chiang Mai Array Site 35	
CM36	Chiang Mai Array Site 36	
CM4	Central Minnesota Array	
CM5	Central Minnesota Array	
CM6	Central Minnesota Array	
CM6*	Campone	
CMA	Clear Mews	
CMA1	Manaccan	
CMAH	Djebel Manchoura	
CMAI	Chiengmai2	
CMAR	Chiang Mai Array Beam Reference Point	
CMAS	Mas de Barberans	
CMB	Columbia College	
CMBC	Cumbal	
CMBN	Cumberland Camp Nunavut	
CMBO	Columbo, Santorini Isl.	
CMBY	CAMPBELL BAY	
CMC	Coppermine	
CMCH	Combarbala	
CMCM	Mills College	
CMCO	Colorado Mnmt	
CMCZ	Cairnmuir Mts	
CMDR	Camlidere-ANKARA	
CME	Menerdue Farm	
CMEN	Mentor	
CMER	Merouana	
CMET	NICOSIA -NORTH CYPRUS	
CMF	Cannet Maures	
CMG	La Cumbre	
CMG2	La Cumbre 2	
CMGA	Chestnut Mountain	
CMH	Chemehuevi Mountains	
CMHM	Mt Hamilton Road	MHR
CMI	Centennial Mountain	
CMIG	Matias Romero	
CMJ	Castle Mountains	
CMJI	Cimerak	
CMJM	Mission San Jose	MSJ
CML	Cha da Macela	
CMLA	Cha da Macela	
CMLM	Mount Lewis	
CMMM	Mount Mocho	
CMMT	Chiang Mai	
CMN	Crown Mine	
CMNM	Mines Road	
CMO	College--Fairbanks	
CMOB	Morgan Territory	
CMOM	Morgan Territory	MTC
CMP	Campulung	
CMPA		
CMPB	Campos	
CMPM	Mikes Peak	
CMPO	Campotto Po	
CMPR	Campora	
CMR	Camerino	
CMRM	Mines Road	MNR
CMS	Cobar Meteorology Station	
CMSA	Cobar Meteorology Station	
CMSB	University of California Stadium	
CMT	Clancy	
CMTX	Cooper Mountain	
CMU	Cedar Mountain	
CMW	Cultus Mountains	
CMWZ	Cape Campbell	
CMX	Colima	COLM
CMZ	Cashmere	
CN-	Cornell	CN-WS
CN2	Changchun	
CNA	Cantwell	
CNB	Canberra Magnetic Observatory	
CNBA	Chernabura Island	
CNC	Concord--Diablo Valley College	
CNCB	Chanca	
CNCH	Conchagua	
CNCI	Crows Nest Canyon	
CNCM	Norris Canyon Road	
CNCO	Chanco	
CNCR	Cernica	
CNCS	Concesio	
CND	Currant	
CNE	Childress 2	
CNF	Cerre-les-Noroy	
CNG	Changalane	
CNGN	Cerro Negro	
CNGZ	Carnagh Station	
CNH	Changchun	
CNI	Changuinola	
CNIC	Niles Canyon	
CNIL	Conil	
CNJ	Catfish Pond	
CNJI	Cibinong	
CNK	Concordia	
CNL	Connel	
CNLB	Canela	
CNM	Chama	
CNN	Cincinnati	
CNNC	Cliffs of the Neuse	
CNO	Childress 3	
CNP	Catarman	
CNPM	China Poot	
CNQ	Baie Comeau	
CNR	Chonco	
CNS	Constantine	
CNS1	Cairns-h seis/acc	
CNS2	Cairns-h acc only	
CNT	Guangzhou	GZH
CNTC	Contact Creek	
CNTO	Contao	
CNU	Chengdu	CDU
CNV	Corbin	CBN
CNW	Childress 4	
CN-WS	Cornell	
CNY	City College NY	
CNZ	Chateau	
CO-	Colome	CO-SD
CO2	Coxcomb Mountains 2	
COA	Coachella	
COAL	Corum-Alaca	
COAS	Coatepeque	
COAV	Cumanacoa	
COB	Cobb River	
COB3		
COBQ	Cobquecura	
COBS	Casablanca	
COBT	Iskenderun	
COC	Colombo	
COCH	Cobquecura	
COCO	West Island	
COCR	Colorado	
COD	South Dennis	
CODE	Correggio	
CODG	Codroy Newfoundland	
CODM	Codolo	
COE	Coe Ranch	
COEN	Coen	
COFN	Cofrada	
COH	Cochiti	
COI	Coimbra	
COJ	Choshi	
COK	Cook Ranch	
COKM	Charter Oak	
COKN	Cook Lake	
COL	College Outpost	
COLA	College	
COLC	Colonia	
COLD	Coldfoot	
COLF	Collangettes	
COLI	Coloredo	
COLM	Colima	
COLN	Colon	
COLR	Columbus	
COLT	Colton High School	
COLW	Colter Canyon	
COM	Comitan	
COM2	Comitan 2	
COMI	Craters of Moon	
CON	Concepcion	
CONA	Conrad Observatory	
CONC	Concepcion	
CONE	Cono NE Rev Volc	
CONN	Concepcion	
CONS	Constitucion	
CONY	Cobleskill	
COO	Cooney Tunnel	
COOC	Compton	
COOL	Coolgardie	
COP	Copenhagen	
COPE	Corleto Perticara	
COPM	Copeton	
COPN	Copaltepe	
COQ	Corona Quarry	
COQB	Coquitlam Dam	
COR	Corvallis	
COR2	Caldas Novas	
CORF	Corte	
CORG	Organya	
CORI	Orista	
CORK	Cork	
CORL	Corleone	
CORM	Corum	
CORN	Cornellia Hill	
CORO	Coronation Park	
CORR	San Possidonio	
COS	Cosiguina	
CO-SD	Colome	
COSM	Mount Oso	
COSP	Cold Spring	
COT	Chocolate Mountains	
COTA	Cotacachi	
COTN	Columbia	
COTR	Cottonwood	
COV	Colchester	
COV1	Cotopaxi Volc	
COVZ	Chateau Observatory	
COW	Cow Castle Creek	
COWI	Conover	
COWN	Contwyoto Lake 2	
COWO	College of Wooster	
COY	Coyote Mountain	
COYC	Coyhaique	
COZ	Cozia	
CP-	Campo	CP-CL
CP2	Crater Peak Two	
CPA	Chapri	
CPAL	Palau Saverdera	
CPAM	Crater Peak Alternate	
CPB	Codrington	
CPBX	Cerro Prieto	
CPC	Cherry Point	
CPCH	Copiapo	
CP-CL	Campo	
CPCT	Cooper Cave	
CPD	Cerro la Pandura	
CPDB	Cerro Pandura	
CPE	Camp Elliot	
CPGN	Carpegna, Italy	
CPH	Captain Cook	
CPI	Crown Point	
CPI2	Carpinone	
CPIM	Pinole Ridge	
CPK	Cone Peak	
CPKM	Crater Peak Rim	
CPL	Chaplin	
CPLB	Carmanah Point Lighthouse	
CPLM	Palomares Road	
CPM	Copper Mountain	
CPMM	Point Molate	
CPN	CP-17	
CPN1	Cerro Paranal	
CPNM	Pleasanton	
CPNY	Central Park	
CPO	Cumberland Plateau	
CPO5	Cumberland Plat.	CPOT
CPOT	Cumberland Plateau	
CPP	Copiapo	
CPPC	Cal Poly Pomona	
CPR	Cape Romanzof	
CPRX	Cap Rock	
CPS	Cap Spartel	
CPSB	Cacapava Do Sul	
CP-SO	Cumberland Plateau Observatory	
CPT	Camp Pendleton	
CPTM	Cactus Peak West	
CPU	Coon Peak	
CPUP	Villa Florida	
CPW	Capitol Peak	
CPWZ	Castlepoint	
CPX	CP-1	
CPXM	Mount Cotopaxi	
CPY	CP-1	
CPZ	Penzance	
CQ-NV	Caliente	
CR-	Crete	CR-NB
CR1	Chicoasen 1	
CR2	Chicoasen 2	
CR2G		
CR2NB	Crete	
CR3	Chicoasen 3	
CR4	Chicoasen 4	
CR5	Chicoasen 5	
CR6	Chicoasen 6	
CR7	Chicoasen 7	
CRA	Chernovtsy	
CRAC	Craco	
CRAG	Craig	
CRAI	Chiangrai	
CRAJ	Montana Rajada	
CRAM	San Ramon	
CRAR	CRAIOVA	
CRB	Chernovtsy (B)	
CRBI	Circular Butte	
CRC	Castle Rock	
CRCH	Chaqaral	
CRD	Cavedale Road	
CRDM	Cardoso	
CRE	Caprese Michel	
CREF	Crivoux	
CRES	C@19res@19njevec Ostr	
CRF	Corfu	
CRG	Carmichael	
CRGC	Crocker Grade	
CRH	Carson Hill	
CRHM	Round Hill Res.	
CRI	Mount Carmel	
CRID	Crittenden County--Downhole	
CRIN	San Cristobal	
CRIS	Crittenden County--Surface	
CRJA	Costa Raja	
CRL	Carloforte	
CRLO	Chalk River	
CRLT	Corlu	
CRLZ	Canterbury Laser	
CRM	Caravelle	
CRMI	Carmignano	
CRMT	Chrome Mountain	
CRN	Corinaldo	
CR-NB	Crete	
CRNC	Corona	
CRNM	Carthage	
CRNS	Crni Vrh	
CRNY	Cross River	
CRO	Carnasaw Mountain Lookout Tower	
CROG	Croghan	
CROR	Criterion Ridge	
CRP	Crater Peak	
CRPB	Russellman Park	
CRPC	Caltech Rob'n Pit	
CRPM	Russellman Park	
CRPR	Cabo Rojo, PR	
CRQ	Rosemanowes	
CRQ2	Rosemanowes 2	
CRQB	Carquinez Bridge	
CRQM	Cirque	
CRR	Carrizo Plain	
CRS	Chara	
CRT	Cartuja	
CRTN	Comb Ridge	
CRU	Crutchfield	
CRUC	La Cruz	
CRUN	El Crucero	
CRUV	Carupano	
CRV	Caraveli	
CRVI	Carovilli	
CRVS	Cervenica-Dubnik	
CRWM	Crown Mines	
CRX	Cerrillo	
CRY	Cary Ranch	
CRZ	Cape Reinga	
CRZC	La Cruz	
CRZF	Crozet Islands	
CS-	Crossville	CS-TN
CS6B	Jaguaretama	
CSA	Cape Sarichef	
CSA1	St Austell	
CSAM	Sandia	
CSAN		
CSB	Colonia Sabana	
CSC	Columbia	SVC
CSCL	Casacalenda	
CSCM	Silver Creek	SVC
CSCO	Clark State Community College	
CSD	Chor-Sady	
CSE	Childress 5	
CSEN	Crystal Springs Elementary School	
CSF	Scaffel	
CSG	Childs Glacier	
CSH	California State, Hayward	
CSHM	Cal. St., Hayward	CSH
CSI	Cassano Ionio	
CSIL	Creal Springs	
CSJ	Cape San Juan	
CSKK	Cs˙‡kako	
CSL	Crestline	
CSLB	Castelbuono	
CSLM	San Leandro Hills	
CSM	Casamicciola	
CSMI	Casera Mimoias	
CSN	Chicoasen	
CSNA	Conrad Observatory	
CSNT	Castellina Chianti	
CSO	Casso	
CSOR	Sort	
CSP	Cedar Springs	
CSPM	San Pablo Ridge	
CSPT	Cold Springs	
CSR	Chase Ranch	
CSRY	Cold Spring River	
CSS	Prodhromos	
CSSM	Coso Springs South	
CSSN	Cassano Irpino	
CST	Castrovirreyna	
CST1	Stithians	
CSTJ	Casr Tuba	
CSTL	Corral Hollow	
CS-TN	Crossville	
CSU	Charleston Southern University	
CSU1	Sunol Dilatometer	
CSV	Casigua	
CSVM	Stone Valley	
CSW	Childress 6	
CSY	Casey Station	
CSZ	Casera Razzo	
CT-	Clayton	CT-OK
CTA	Charters Towers	
CTAK	Corum_Osmancik	
CTAM	Taylor	
CTAO	Charters Towers	CTA
CTAS	Cauta	
CTB	Cotabato	
CTBH	Cotabato--PC Hill	
CTBM	Cataract Bedrock	
CTBN	Caleta Bueno	
CTC	Chetwynd	
CTCC	Cactus City	
CTCH	Constitucion	
CTCR	Cotoan	
CTD	Catalina Dam	
CTDM	Cataract Dam	
CTEI	Djebel Teioualt	
CTFE	Tenerife	
CTFL	Taylor Farm	
CTGM	Chitina Glacier	
CTHA	Thorn Acres	
CTHM	Terry Harris R'ch	
CTI	Castel Tesino	
CTIG	El Hierro	
CTJI	Waduk Cacaban	
CTK	Catak	
CTKS	Kestanelik-??atalca	
CTKT	Corum	
CTL8	Castelleone	
CTLM	Tesla Road	
CTLN	Castor Lake	
CTM	Castle Mountain	
CTN	Crete	
CTNY	Carthage	
CTO	Cape Town	
CT-OK	Clayton	
CTOM	Thompson	
CTP	Catapilco	
CTR	Castle Rock	
CTRE	Tremp	
CTRO	CASTRO	
CTS	Cactus Peak	
CTT	Catalca	
CTTX	Catalca	
CTU	Camp Tracy	
CTV	Charlottesville	
CTVN	Chua Tram	
CTW	Cottonwood Mountains	
CTYL	Yal??k??y-??atalca	

Code	Station Name	Other
CTZ	Chatham Island	
CU-	Currant	CU-NV
CUALT	Altinyayla-SIVAS	
CUC	Castrocucco	
CUD	Cuddapah	
CUET	Cent US Eq Cons	
CUG	Cuglieri	
CUGUR	Gurin_S¨VAS	
CUI	Cuipilapa	
CUKAN	kangal_SIVAS	
CUKT	Cukurca	
CUL	Culiacan	
CULB	Culebra	
CUM	Cumana	
CUMB	Cumbre	
CUMC	Nevado Cumbal	
CUN	Columbus	
CUNA	Curaglia	
CUND	Cunda Adasi-Balikesir	
CU-NV	Currant	
CUNY	Queens College	
CUP	Culebra	
CUPA	Cupa	
CUPM	Cuyoaco	
CUPV	Cu@15pira	
CUR	Chagan-Uzun	
CURA	Stauanlage Cunera	
CURV	Curarigua	
CUS	Cuzco	
CUSAR	Sarkisla-SIVAS	
CUSI	Cussignacco Udine	
CUSS	Cusmapa	
CUSU	Cusua	
CUT	Chulitna	
CUV	La Culata	
CUYO	Cuyo Island	
CUZAR	Zara_SIVAS	
CV-	Centerville	CV-TN
CV6*	Capo Vaticano	
CVA	Cordova	
CVAL	Veterans Administration Hospital	
CVC	Cholame Valley	
CVD	Cernavoda	
CVD1	Cernavoda-Power Plant	
CVDA	Cernavoda	
CVE	Cedar Cove	
CVF	Calvi	
CVH	Cedar City	
CVI	Capo Vaticano	
CVJ	Coleyville	
CVL	Charlottesville	
CVLM	Vallecito	
CVLQ	Collinsville	
CVM	Colonia del Valle	
CVN	Calvinia	
CVNA	Calvinia	
CVO	Covasna	
CVP	Callao Caves	
CVPM	Vollmer Peak	
CVR	Calaveras Reservoir	
CVS	Carmenet Vineyard	
CVT	Castelvetrano	
CVTN	Covington	
CV-TN	Centerville	
CVV	Charlottesville	CVL
CVVA	Charlottesville	
CVVD	Valverde	
CW-	Conway	CW-AR
CW-AR	Conway	
CWB	Cumshewa	
CWC	Cottonwood Creek	
CWCR	Coldwater Canyon	
CWF	Charnwood Forest	
CWPT	Cottonwood Point	
CWT	Childress 7	
CWU	Camp Williams	
CWZ	Cowlitz River	
CX-	Craigsville	CX-WV
CXM	Morne La Croix	
CXP	Puebla	
CX-WV	Craigsville	
CY-	Cheyenne	CY-WY
CYA	Choya	
CYBM	Yerba Buena Island	
CYC	Crow Canyon Road	
CYD1	Coyote D'meter	
CYEH	Changyeh	
CYH	Coyote Hills	
CYK	Cape Yakataga	
CYN	Coyotepe	
CYP	Chylin	
CYT	Cape Yakataga	
CY-WY	Cheyenne	
CYZ	Clyde	
CZ-	Cody	CZ-NB
CZC	Chiapa de Corzo	
CZD	Col de Zad	
CZI	Monte Cocuzzo	
CZL	Cerro Azul	
CZM	Crazy Man Mountain	
CZ-NB	Cody	
CZT	Chizu	
D002	Pieve de Saddi	
D03A	Wishkah Elem. School, Wishkah	
D04A	Dobbs Creek Ranch, Lacey	
D05A	Enumclaw	
D06A	Cle Elum	
D07A	Quincy	
D08A	Wollman Farm, Schrag	
D09A	Jones Farm, Ritzville	
D10A	Wagner Farm, Oakesdale	
D11A	Klaveano Farm, Fernwood	
D12A	Red Ives Forest Station, Avery	
D13A	Huson	
D14A	Greenough	
D15A	Lincoln	
D16A	Dana Ranch, Cascade	
D17A	Six Diamond Ranch, Ranyesford	
D18A	Linhart Farms, Moccasin	
D19A	Cripps Ranch, Grass Range	
D1A	Dickey	
D20A	Manuel Ranch, Winnett	
D21A	La Casta Ranch, Jordon	
D22A	Cohagen	
D23A	Lindsay	
D24A	Glendive	
D25A	Fairfield	
D26A	Manning	
D27A	Center	
D28A	Regan	
D29A	Pettibone, Tappen	
D2A	Dickey	
D30A	Buchanan	
D3A	Dickey	
D4A	Dickey	
D5A	Dickey	
D6A	Dickey	
DABA	Dabaa	
DABV	Dabajuro	
DAC	Darwin (Calif)	
DAD	Ankara	
DAF	Dafare	
DAG	Danmarks Havn	
DAGI	Agillar	
DAH	Dandelion	
DAI	Luda	
DAIL	Da Vinci Academy	
DAK	Dakar	
DAKH	Dake	
DAL	Dallas	
DALG	Dalton	
DALK	Dalny	
DALT	Dalyan (Mudla)	
DALY	Dalyan (Mu¯la)	
DAM	Dampier	
DAMV	Damavand	
DAMY	Dhamar	
DAN	Dane	
DANC	Danby, Needles	
DANN	Dangsing	
DANY	Dannemora	
DAP	Davao	
DAQ	Lac Daran	
DAR	Darwin	
DARB		
DARE	Darende-Malatya	
DAT	Datca	
DATC	Datca-Mugla	
DAU	Daniels Canyon	
DAV	Davao City (W)	
DAVA	Damuels	
DAVON	Davos	
DAVOS	Davos	
DAVOX	Davos/Dischmatal	
DAW	Hoskins	
DAWS	Dawson Inlet	
DAWY	Dawson	
DAY	Day	
DB2	Double Butte	
DBAD	Bademkaya	
DBAS	Duba	
DBC	Dubki	
DBCT	Belle View Chopil	
DBD	Des Bee Dove	
DBG	Daneborg	
DBI	Debin	
DBIC	Dimbokro	
DBJI	Dramaga	
DBM	Double Mountain	
DBMY	Dunderburg Mountain	
DBN	De Bilt	
DBND	Deoband	
DBNI	Kabupaten Dompu	
DBO	Dodson Butte	
DBOC	Borcka	
DBOG	Casa Diablo	
DBP	Darband	
DBQ	Dubuque	
DBR	Dubrovnik	
DBV	Dienbien	
DBY	Dobrovo	
DCA1	Bonanza	
DCA2	Baytree	
DCA3	Cotillion Park	
DCC	Delcommune	
DCD	Diablo Creek	
DCI	Dry Creek	
DCID1	Drake Creek	
DCM	Dugout Coal Mine	
DCN	Croghan	
DCO	Combe Farm	
DCP	Dickinson College	
DCPH	Dipolog City	
DCT	Ducktown	
DCU	Deer Creek Reservoir	
DCZ	Deep Cove	
DDBM	Dartmouth Bedrock	
DDCM	Dartmouth Crest	
DDEM	Demirkent	
DDI	Dehra Dun	
DDK	Dunsink Observatory	
DDM	Donnelly Dome	
DDN	Dodoni	
DDR	Dodaira	
DDS	Dosso del Sommo	
DEB	Debrecen	
DEC	Deception Island	
DECC	Green Verdugo site,Sunland	
DEG	La Desirade	
DEI	Dent	
DEIG	Demacu	
DEK	Dekalb	
DEL	Delary	
DEL1	Delary	
DELO	Deloro Mine	
DELX	Delta	
DEMA	Delaware Emergency Management Agency	
DEMI	Demirci	
DEN	Denver	
DENJ	Denville	
DENT	Denizli	
DEPR	Deputatskiy	
DER	Derby	
DERT	Derbent	
DES	Desert	
DESE	Dese	
DESF	Desfina	
DEV	Deva	
DEVC	Devers	
DFBT	Forest Bistro	
DFE	Dawson Falls	
DFR	Drift River	
DFRA	Djebel Bou Affroun	
DGAR	Diego Garcia	
DGBT	Grand Bay	
DGC	Durango	
DGI	Dorgali Grotta	
DGMT	Dagmar	
DGN	Dgnorisa	
DGP	Dabrowa Gornicza	
DGPR	DIGLIPUR	
DGR	Domenigoni Valley Reservoir	
DGRG	David-gareji	
DGT	Duragan	
DGZ	Jazzator, Altay Republic, Russia	
DH-	Delhi	DH-NY
DHA	Dutch Harbor	
DHAK	Deception Hills	
DHB	Downhole Baldwin Hills	
DHBB	Dhama@18r BB	
DHD	Dharwar	
DHDN	Dehradun	
DHH	Diamond Head	
DHJN	Dharan Janob	
DHLJ	Dahal	
DHLQ	Lac-des-Plages	
DHMR	Dhamar	
DHN	Doyle Hill	
DH-NY	Delhi	
DHR	Dhahran	
DHRM	DHARAMSHALA	
DHRN	Dharma Camp	
DHS	Desert Hot Springs	
DHUB	DHUBRI	
DHV	Doan Hung	
DHW	Dyer Hill	
DHW2	Dyer Hill 2	
DHY	Denali Highway	
DI-	Dillon	DI-MA
DIAC	La Diana	
DIB	Dawson Inlet, BC	
DIBR	DIBRUGARH	
DIC		
DID	Didima	
DIDI	Didim-Aydin	
DIDY	Didyma	
DIGO	Kars	
DIGR	Digorskoe uzhel'e	
DIKM	Dikmen	
DIL	Dillon Ranch	
DILR	Dilar	
DIM	Dimitrovgrad	
DI-MA	Dillon	
DIMI	Dimona	
DIP	Dipolog	
DIR	Diamond Ranch	
DIV	Divide	
DIVS	Divibare	
DIW	D'Urville Island	
DIX	Grande Dixence	
DIXR	Dixie Hot Springs	
DIY	Diyarbakir	
DIYA	Diyarbakir	
DJA	Jakarta	
DJE	Delta Junction E	
DJES	Djerdap	
DJJ	Donna J Jenkins	
DJNS	Zahran al Janub	
DKD	Dar Kodiat	
DKH	Dar Kharkhour	
DKL	Dikili	
DKM	Kilmashogue	
DKNM	Devils Kitchen North	
DKP	Demirkopru	
DL-	Dell Rapids	DL-SD
DL2	Dalian	
DLA	Delaware (Ont)	
DLAC	Del Amo	
DLAR	Dell	
DLB	Dease Lake	
DLBC	Dease Lake	
DLBQ	Dalbeg	
DLC	Deerlick Creek	
DLE	Lyons Estate	
DLF	Lyons Farm	
DLG	Dolgoi Island	
DLH	Dalhousie	
DLI	Dili	
DLL	Dillingham	
DLM	Delamar Mountains	
DLMR	Dylym	
DLMT	Dillon	
DLN	Dalton (NSW)	
DLPL	La Plaine	
DLS	Dallas	
DL-SD	Dell Rapids	
DLT	Dalton	
DLV	T a@11 Lat	
DLVO	T a@11 Lat	
DLVT	Layou Valley	
DLY	Dezadeash Lake	
DMA	Devil Mountain	
DMB	Deadman Bay	
DMCQ	Dolbeau-Mistassini	
DMD	Domodossola	
DMI	Des Moines	
DMK	Demirkoy	
DMMT	Dalton Mountain	
DMN	Daman	
DMNS	Dmanisi	
DMP	Diadem	
DMPH	Davao City--Mintal	
DMPK	Deadman Peak	
DMS	Dublin Merrion Square	
DMT	Demirtas	
DMU	Kingscourt	
DMUB	Kingscourt	
DMV	Demmitville	
DMW	Delta Microwave	
DND	Dunedin-Penfold	
DNG	Daru	
DNGQ	Doongara	
DNH	Durham (NH)	
DNM	Dulce	
DNN	Dannevirke	
DNP	Denpasar	
DNR	Dunn Ranch,Anza	
DNS	Denniston	
DNT	Denton	
DNY	Dersam	
DNZ	Dunedin	
DNZL	Cakiroluk	
DOB	Doboj	
DOBS	Dobrina	
DOC	Dochia	
DOCK	Docker River	
DOD	Dodoma	
DODT	Dodoma, Tanzania	
DOETR	Doetra (Olivone)	
DOG	Dongo Capesterre	
DOI	San Damiano	
DOL	Dolgoi Island	
DOM	Dominica	
DOMB	Dombas	
DOMF	Dompierre	
DOMO	Domo	
DOMR	Dombai	
DON	Dongola	
DONR	Donner Summit	
DOO	Doolan Road	
DOPR	Dopca	
DOR	Dorot	
DOS	Dos Bocas Dam	
DOT	Dot Lake	
DOU	Dourbes	
DOWB	Downie Slide	
DOY	Duke of York Island	
DP-	Deposit	DP-NY
DP1	Deserto P. S.	DPS
DPC	Dobruska-Polom	
DPD	Davis Peak	
DPH	Darwin Parliament House	
DPI	Dunn Peak	
DPLY	Delli Paoli	
DPM	Delmo Park	
DPMT	Pointe Michel	
DP-NY	Deposit	
DPP	Dos Picos Cty Pk	
DPQ	Saint Jean	
DPRB	Downie Pk Ridge	
DPS	Deserto Penisola Sorrentina	
DPW	Davenport	
DQRL	Deir Qamar	
DR-	Durango	DR-CO
DR01	Juana Nunez	
DR02	San Jose de las Matas	
DR03	Pinalito	
DR04	Monte Llano	
DR05	La Lomota	
DR06	La Diferencia	
DR07	Jarabacoa	
DR08	Loma La Naviza	
DR09	Piedra Blanca	
DR1	Juana Nunez	DR01
DR10	Alto Bandera	
DR11	La Yayitas	
DR12	Loma Pena Alta	
DR13	Sanchez	
DR14	Sierra Prieta	
DR15	Siete Picos	
DR3	Pinalito	DR03
DR4	Monte Llano	DR04
DR5	La Lomota	DR05
DR6	La Diferencia	DR06
DR8	Loma La Naviza	DR08
DRA	Dragasani	
DRAM	Dora Dora	
DRB	Dursunbey	
DRBT	Darb Altahta	
DRC	Dorchester	
DR-CO	Durango	
DRD	Roodepoort, Johannesburg	
DRE	Drenchia	
DREC	Desert Rsrch Ctr	
DREG	Dreilaegerbach Talsperre	
DREO	Darlington East Ontario	
DREZ	Durham Road	
DRGI	Dragot	
DRGR		
DRHJ	Al-Direh	
DRIA	Deer Island	
DRK	Karamyk	
DRLN	Deer Lake	
DRME	Dracevica, Montenegro	
DRN	Derbent	
DRO	Drossia	
DROM	Dromana	
DRP	Derazinda	
DRR	Dragan	
DRRA	Deer Island	
DRS	Darwin Rock Store	
DRT	Dartmouth	
DRTN	Dyersburg	
DRTT	Dortyol	
DRUM	Mains of Drumtochty	
DRV	Dumont d'Urville	
DRWC	Darouich	
DRWO	Darlington West Ontario	
DRZ	Dome Shelter	
DSB	Dublin	
DSB1	Difesa San Luca	
DSC	Scotts Head	
DSCC	Desert Studies Ctr	
DSCH	Colegio Aleman	
DSD2	Dead Sea Dam 2	
DSF	Desfina	
DSG	Desaguadero	
DSH	Dushanbe	
DSHT	Scott's Head	
DSI	Dead Sea	
DSK	Disk Island	
DSL	Palaion Diasellon	
DSM	Dog Skin Mountain	
DSMN	Discovery Mine	
DSN	Dusing	
DSNO	Creighton Mine,Sudbury	
DSP	Deep Springs	
DSPA	Despedida	
DSRI	Dabo	
DST	Dursunbey	
DSTT	Stowe	
DSV	Doi Son	
DSVT	Soufriere Village	
DSZ	Denniston North	
DT1	Dutton Round Hill	
DTEM	Dunmovintown East	
DTIR	Bucuresti-Nicolae Titulescu	
DTM	Carnegie Institution	

	of Washington	
DTMM	Dartmouth Digital	
DTMT	Tete Morne	
DTN	Dwight	
DTNA	Dutton South Flank	
DTP	Desert Tortoise Park	
DU-	Durant	DU-OK
DUB	Rathfarnham	
DUC	Duarte Ranch	
DUG	Dugway	
DUI	Duronia	
DUL	Duluth	
DUN	Dundo	
DUNH	University New Hampshire, Durham	
DUNU	Dundret	
DUOK	Dugi Otok	
DU-OK	Durant	
DUP	Duppenweiler	
DUR	Durham	
DURS	Dursunbey	
DUS	Dusheti	
DUSS	Damascus University	
DUT	Dutch Harbor	
DUWZ	D'Urville Island	
DUX	Duxbury	
DV-	Death Valley	DV-CL
DVBM	Devilbend	
DV-CL	Death Valley	
DVCT	Vielle Casse Police Station	
DVD	David	
DVDT	Valley Desolation	
DVG	Divnogorsk	
DVHZ	Dannevirke	
DVI	Derveni	
DVKN	Diavik Mine	
DVL	Devil Canyon	
DVO	Downsview	
DVP	Devils Point	
DVR	Devrek	
DVT	Derby	
DVTC	Desert V Tower	
DVW	Davenport	
DWDM	Dogwood	
DWK		
DWM	Dogwood	
DWP	Davao Weather Station	
DWPF	Disney	
DWR	Dweir	
DWS	Wesley	
DWU	Dry Willow Peak	
DWY	Dawson City	
DXB	Duxbury	
DY-	Dry Ridge	DY-KY
DY1	Dyersburg	
DY2	Lassiter	
DY3	Tiptonville	
DY4	Samburg	
DY5	Near Lassiter	
DYA	Yadsworthy	
DYBB	Diyarbakir	
DYDN	Diyadin	
DY-KY	Dry Ridge	
DYR	Agios Nikonas	
DYTN	Dayton	
DZA	Taraz	
DZB	Cabrayil	
DZD	Dalandzadgad	
DZE	Dzherino	
DZET	Dzherino	
DZH	Dzhafr	
DZI	Dzhizak	
DZM	Mont Dzumac	
DZN	Dzhankel'dy	
DZR	Jermuk	
DZT	Dzhirgatal'	
E001	Sierra del Retn, Cadiz	
E002	Puerto del Bujeo, Cadiz	
E005	Casares, Malaga	
E006	Caete la Real, Malaga	
E007	Orjiva, Granada	
E008	San Bartolome de la Torre, Huelva	
E009	Beas, Huelva	
E010	Palacio de Doana, Huelva	
E011	Adriano, Sevilla	
E012	Marchena, Sevilla	
E013	Torcal de Antequera, Malaga	
E015	Alquife, Granada	
E016	Rosal de la Frontera, Huelva	
E017	Aznalcollar, Sevilla	
E018	Embalse de El Pintado, Sevilla	
E019	El Pedroso, Sevilla	
E020	Santaella, Cordoba	
E021	Villaviciosa de Cordoba, Cordoba	
E022	Bujalance, Cordoba	
E024	Martos, Jaen	
E025	Huelma, Jaen	
E026	Sierra de Lcar, Granada	
E028	Jerez de los Caballeros, Badajoz	
E029	Usagre, Badajoz	
E030	Peraleda del Zaucejo, Badajoz	
E031	Las Morras, Villanueva del Duque, Cordoba	
E032	Castillo de Giribaile, Vilches, Jaen	
E033	Ojanco, Jaen	
E034	Letur, Albacete	
E035	Torrevieja, Alicante	
E03A	Lebam	
E04A	Onalaska	
E05A	Randle	
E06A	Yakima	
E07A	Sunnyside	
E07B	Bay Bridge East Pier 7	
E08A	Dider Farm, Eltopia	
E09A	Wood Farm, Starbuck	
E10A	Myers Farm, Uniontown	
E11A	Bogner Ranch, Nez Perce	
E12A	Beaver Dam Saddle, Pierce	
E13A	Victor	
E14A	Clinton	
E15A	Deer Lodge	
E16A	East Helena	
E17A	Martinsdale	
E17B	Bay Bridge East Pier 17	
E18A	Harlowton	
E19A	Rath Farm, Roundup	
E20A	Meyer Farm, Musselshell	
E21A	Keefer Ranch, Vananda	
E22A	Miles City	
E23A	Ismay	
E24A	Baker	
E25A	Miller Ranch, Amidon	
E26A	Carlson Angus Ranch, Regent	
E27A	Carson	
E28A	Huff	
E29A	Napoleon	
E30A	Jud	
E932	Embalse del Gaudalen, Jaen	
EAB	Aberfoyle	
EACI	Aci Sant'Antonio	
EADA	Adamuz	
EADB	Eade Ranch	
EAFB	Elmendorf Base	
EAG	Eagle Mountain	
EAGO	Agolada(Pontevedra)	
EAK	Akyaka	
EALB	Alboran	
EALH	Alhama de Murcia	
EALK	Alkurruntz	
EAM	Ear Mountain	
EAN	East Aurora	
EANR	'Ain N'Sour	
EARA	Aranguren	
EARC	Monte Arcimis	
EARI	Arriondas	
EARN	East Ridge Elementary School	
EAST	Anshuo	
EASTN	East End Reserv.	
EATA	Eleskirt	
EAU	Auchinoon	
EAV	Pico El Aguila	
EAZ	Earnscleugh	
EB-	East Braintree	EB-MT
EBAD	Badajoz	
EBAJ	Bajamar	
EBAN	Banos Encina	
EBCN	Bocca Nuova	
EBEL	Etna Belvedere	
EBEN	Beniarda	
EBER	Berja	
EBG	Ellensburg	
EBH	Black Hill	
EBHM	Djebel Bou Ahmed	
EBI	Elk Butte	
EBIE	Bielsa	
EBL	Broad Law	
EBM	Esen Bulak	
EB-MT	East Braintree	
EBN	Edmundston	
EBNR	Beni Rached	
EBOM	Djebel Bou Maad	
EBP	Ebbets Pass	
EBR	Ebro Roquetas	
EBRE	Ebro Roquetas	
EBS	Eagle Butte	
EBYL	Djebel Bou Yalou	
EBZ	Ebenezer Church	
ECA	El Cajon	
ECAB	El Cabril	
ECAL	Calabor	
ECALA		
ECAN	Masseria Cannata	
ECAT	Cat-ERZURUM	
ECB	Carrickbyrne Hill	
ECBD	Case Bada	
ECBX	El Chinero	
ECC	El Centro	
ECCO	Edison CC	
ECCS	Contrada Cassone	
ECD	Elk Chute Ditch	
ECDV	Codavolpe	
ECEN	Cerro Negro	
ECEU	Ceuta	
ECF	Echo Falls	
ECG	Echelle	
ECH	Echery	
ECHA	Ech Chlef	
ECHE	Chera	
ECHF	Ech Chlef	
ECHI	Chisagues Bielsa	
ECHR	Santa Chiara	
ECIS	Cisternazza	
ECK	Cauldkaine Hill	
ECL	Taimali	
ECM	Ellicott City	
ECML	Castelmola	
ECNE	Crateri Nord Est	
ECNV	Catenanuova	
ECNX	Esteban Cantu	
ECO	Colon	
ECO2	Colon	
ECOG	Cogollos-Vega	
ECOPE	Copete-Rev Volc	
ECP	Carnsore Point	
ECPN	Case del Piano	
ECR	Eagle Creek	
ECRI	Cripan	
ECSD	EROS Data Center, Sioux Falls	
ECT	Ellsworth	
ECTS	Castiglione	
ECVS	Case del Vescovo	
ECX	Ensenada	
ECZ	East Cape	
ECZM	Case Zampini	
ED-	Edgewood	ED-MI
EDB	Eliza Dome	
EDC	Edincik	
EDC*	EscuelaIngenieria	
EDEN	Eden	
EDFI	Ende, Flores	
EDI	Edinburgh	
EDIL	So. Illinois U.	
EDIT	Edith	
EDK	El Dorado	
EDM	Edmonton	
EDMA	Eldorado	
ED-MI	Edgewood	
EDMN	Edmundston, New Brunswick	
EDO	Endilloe	
EDR	Drumtochty	
EDRB	Edirne	
EDRZ	Edgecumbe	
EDT	Edincik	EDC
EDU	Dundee	
EDW	Edwards Air Force Base,Rosamund	
EDW2	Edwards Air Force Base,Rosamund	
EDY	Kabakon Island	
EDZN	EDZO	
EEO	Eldee	
EF-	Eagle Flat	EF-TX
EFAM	Famara	
EFD	Emergency Operations Facility	
EFI	East Falkland Island	
EFIU	Fiumefreddo	
EFO	Effingham	
EFOR	EFORIE	
EFP	Efpalio	
EFR	Efringen	
EF-TX	Eagle Flat	
EGA	Jian Township	
EGAK	Eagle	
EGC	Eagle	
EGD	Espegrend	
EGFM	Gr delle femmine	
EGI	Egilsstadhir	
EGL	Gala Law	
EGL1	Gala Law	
EGM	El Golfo de Santa Clara	
EGMT	Eagleton	
EGN	Eagle's Nest	
EGOM	La Gomera	
EGOR	Sierra Gorda, Loja, Granada	
EGR	Empire Grade Road	
EGRA	Graus	
EGRN	Evergreen College	
EGRO	El Granado	
EGS		
EGSI	Enggano, Bengkulu	
EGUA	Guajares	
EGVZ	Egvard	
EGX	Santa Clara	
EHC	Hejung	
EHIG	Higuera	
EHN	Echo Peak	
EHOR	Hornachuelos	
EHP	Heping Village	
EHRO	Hierro	
EHUE	Huescar	
EHV	El Hato	
EHY	Hungye	
EIBI	Ibiza	
EIC	Easter Island	
EIDS	Eidsvold	
EIL	Elat	
EINC	Incio	
EJC	Estacion Juarez	
EJIF	Jimena Frontera	
EJIM	Jimena Frontera	
EJON	La Jonquera	
EK-	Eureka (L)	EK-NV
EKA	Eskdalemuir Array	
EKAR	Karacoban	
EKB	Eskdalemuir	
EKB1	Eskdalemuir Array Site B1	
EKB10	Eskdalemuir Array Site B10	
EKB2	Eskdalemuir Array Site B2	
EKB3	Eskdalemuir Array Site B3	
EKB4	Eskdalemuir Array Site B4	
EKB5	Eskdalemuir Array Site B5	
EKB6	Eskdalemuir Array Site B6	
EKB7	Eskdalemuir Array Site B7	
EKB8	Eskdalemuir Array Site B8	
EKB9	Eskdalemuir Array Site B9	
EKC	Ekona	
EKG	Eskdalemuir	EKB
EKH	Elkhorn Ranch	
EKMR	Ekimchan	
EKN	Konogogo	
EK-NV	Eureka	
EKO	Elko	
EKR	Elk River	
EKR1	Eskdalemuir Array Site R1	
EKR10	Eskdalemuir Array Site R10	
EKR2	Eskdalemuir Array Site R2	
EKR3	Eskdalemuir Array Site R3	
EKR4	Eskdalemuir Array Site R4	
EKR5	Eskdalemuir Array Site R5	
EKR6	Eskdalemuir Array Site R6	
EKR7	Eskdalemuir Array Site R7	
EKR8	Eskdalemuir Array Site R8	
EKR9	Eskdalemuir Array Site R9	
EKS	Erkin-Say	
EKS2	Erkin-Say	
EKSU	Eksjoe	
EKTN	Ekati Mine	
EKU	East Kanab	
EL-	Ellensburg	EL-WA
EL2	El Mirage 2	
ELA	Elazig	
ELAGU	Cayambe Volc	
ELAN	Lanestosa	
ELB	Lambom Island	
ELBA	Catalca	
ELC	Elco	
ELD	Ethyl Lake Duckett	
ELDR	Elanda	
ELDT	Eldivan	
ELDTW	Lidau	
ELF	Elginfield	
ELFO	Elginfield	
ELFS	Eagle Lake Field Station, Susanville	
ELGO	Elora Gorge	
ELI	Lubumbashi	
ELIB	Princess Elisabeth base, Queen Maud Land, Antarctica	
ELIJ	Sierra de Lijar	
ELIM	Elim	
ELIZ	Elizondo	
ELK	Elko	
ELL	Elmali	
ELLO	Elliot Lake	
ELM	Elma	
ELMC	El Mirage	
ELMO	Cerro Moro	
ELMT	Elliston	
ELN	Prospectdale	
ELNV	Ellenville	
ELO	Logie Almond	
ELOB	Lobios	
ELOJ	Sierra Loja	
ELOV	Elorza	
ELP	El Pangue	
ELPA	Fila Paraiso	
ELQ	El Quisco	
ELRC	Elmore Ranch	
ELRO	Cerro El Roble	
ELS	Elsinore Mountain	
ELSH	Elham, Standardhill Farm (Kent)	
ELT	Yel'tsovka	
ELU	Electric Lake	
ELUQ	Luque	
ELV	Elvey	
ELVI	Sierra Elvira	
ELW	Echo Lake	
EL-WA	Ellensburg	
ELY	Ely	
ELYF	Elaudy	
ELZ	Elazig	
ELZG	Elazig	
EM-	Emporia	EM-KA
EMA	Elm	
EMAL	Malaga-Limonero	
EMAR	Monte Arcimis	
EMAZ	Mazaricos	
EMB	Emerald Bay	
EMBD	Embd, Mattertal	
EMCN	Etna Monte Conca	
EME	Emae	
EMEL	Melilla	
EMFO	Monte Fontane	
EMFS	Etna Monte Frumento Supino	
EMGR	Monte Grosso	
EMHD	Djebel Mahouada	
EMI	Eightmile Canyon	
EMIJ	Mijas	
EMIL	Monte Intraleo	
EMIN	Mina Concepcion	
EMIR	Miracle	
EMK	Emporia	
EM-KA	Emporia	
EML	El Monte Cty Pk	
EMLI	Melilla	
EMLP	Malpasso	
EMM	East Machias	
EMMT	East Machias	
EMMW	East Machias	
EMN	Eldorado Mountains	
EMNR	Monte Nero	
EMO	Emosson	
EMON	Mondonedo	
EMOS	Mosqueruela	
EMPA		
EMPL	Monte Parmentelli	
EMPR	Esperanza - Manati, PR	
EMRS	Mersa Alam	
EMRV	Monte Ruvolo	
EMS	Emosson-Mur	
EMSC	East Mesa	
EMSG	Monte Spagnolo	
EMT	Emmet	
EMUR	La Murta	
EMUT	Emma Park	
EMV	Vieux Emosson	
EMVT	Monte Vetore	
EMX	El Mayor	
EN-	Ellsinore	EN-MO
EN6*	Monte Nero	
ENA	Nanau	
ENCS	Nicolosi	
ENDD	Endenburg	
ENEL	Enilchek, Kyrgyzstan	
ENEZ	Enez	
ENG	Engineer Hill	
ENGB	English Bluff	
ENGD	Engstlatt	
ENGI	Ein Gedi	
ENH	Enshi	
ENIC	Nicolosi	
ENIJ	Nijar	
ENLS	Nicolosi	
ENM	Eenrum	
ENM1	Eenrum	
ENM2	Eenrum	
ENM3	Eenrum	
ENM4	Eenrum	
EN-MO	Ellsinore	
ENN	Epen	
ENPP	El Nido	
ENR	Entracque	
ENSF	Ens	
ENT	Entebbe	
ENTS	Ennepetalsperre	
ENTT	Nioudou	
ENV	Elp	
ENV1	Elp / Enerveen	
ENV2	Elp / Enerveen	
ENV3	Elp / Enerveen	
ENV4	Elp / Enerveen	
ENX	Ensenada	
ENZ	Enzan	
ENZZ	Sultanice-Enez-Edirne	
EO1	Edge Oya	
EO2TX	Elmo	
EORO	Oroz-Betelu	
EOSO	Osorio	
EP-	El Paso	EP-TX
EPA	Esparza	
EPAB	San Pablo	
EPALM	Reventador volcano	

Code	Station Name	Other
EPAP	Piano d'Api	
EPCH		
EPDN	Pizzo Deneri	
EPET	Petrulli	
EPF	Esparros	
EPH	Ephrata	
EPI	Epi	
EPIS	Pennisi	
EPLA	Plasencia	
EPLC	Punta Lucia	
EPLO	Experimental Lakes	
EPM	Echo Peak	
EPMB	Univ. Columbia	
EPMC	Merrill Creek	
EPMN	Piedimonte	
EPOB	Poblet	
EPOL	Con Chiusa Politi	
EPON	Pontenova	
EPOS	Posof	
EPOZ	Pozzillo	
EPPA	Pizzo Paviglione	
EPR	East Pahranagat Range	
EPRM	East Prairie	
EPRU	Pruna	
EPSO	Coonabarabran	
EPT	El Paso	
EP-TX	El Paso	
EPU	East Promontory	
EPW	Ephrata	
EPZF	Pizzo Felice	
EQES	Quesada	
EQUE	Quentar	
ER1	Erice	ERC
ER101	Early Rise 101	
ER102	Early Rise 102	
ER103	Early Rise 103	
ER104	Early Rise 104	
ER105	Early Rise 105	
ER106	Early Rise 106	
ER107	Early Rise 107	
ER108	Early Rise 108	
ER109	Early Rise 109	
ER110	Early Rise 110	
ER111	Early Rise 111	
ER112	Early Rise 112	
ER113	Early Rise 113	
ER114	Early Rise 114	
ER115	Early Rise 115	
ER116	Early Rise 116	
ER117	Early Rise 117	
ER118	Early Rise 118	
ER119	Early Rise 119	
ER120	Early Rise 120	
ER201	Early Rise 201	
ER202	Early Rise 202	
ER203	Early Rise 203	
ER204	Early Rise 204	
ER205	Early Rise 205	
ER207	Early Rise 207	
ER208	Early Rise 208	
ER209	Early Rise 209	
ER210	Early Rise 210	
ER211	Early Rise 211	
ER212	Early Rise 212	
ER213	Early Rise 213	
ER215	Early Rise 215	
ER216	Early Rise 216	
ER217	Early Rise 217	
ER218	Early Rise 218	
ER219	Early Rise 219	
ER220	Early Rise 220	
ER221	Early Rise 221	
ER222	Early Rise 222	
ER223	Early Rise 223	
ER224	Early Rise 224	
ER225	Early Rise 225	
ER226	Early Rise 226	
ER227	Early Rise 227	
ER228	Early Rise 228	
ER229	Early Rise 229	
ER230	Early Rise 230	
ER231	Early Rise 231	
ER232	Early Rise 232	
ER234	Early Rise 234	
ER235	Early Rise 235	
ER236	Early Rise 236	
ER237	Early Rise 237	
ER238	Early Rise 238	
ER239	Early Rise 239	
ER241	Early Rise 241	
ER242	Early Rise 242	
ER300	Early Rise 300	
ER301	Early Rise 301	
ER302	Early Rise 302	
ER303	Early Rise 303	
ER304	Early Rise 304	
ER306	Early Rise 306	
ER307	Early Rise 307	
ER308	Early Rise 308	
ER309	Early Rise 309	
ER310	Early Rise 310	
ER311	Early Rise 311	
ER312	Early Rise 312	
ER313	Early Rise 313	
ER314	Early Rise 314	
ER315	Early Rise 315	
ER316	Early Rise 316	
ER317	Early Rise 317	
ER318	Early Rise 318	
ER319	Early Rise 319	
ERB	Rabaul (IGS)	
ERBA	Erbaa	
ERBM	Eremo	
ERBR	Yeremizino-Borisovskaya	
ERC	Erice	
ERCT	Erciyes	
ERD	Erdek	
ERE	Yerevan	
EREA	Eretria	
EREN	Erenkoy	
ERET	Eretria	
ERI	Eureka Ridge	
ERIK	Erikli-Kesan	
ERIN	Erian - IBB Gov. - Yemen	
ERIP	Rio Piedras	
ERK	Elk Rock	
ERM	Erimo	
ERMK	Ermenek	
ERMT	East Ridge	
ERN	Ernestine	
ERNS	Erzin	
ERON	Agron	
EROQ	Roquetas del Mar	
ERP	Erie	
ERPA	Erie	
ERPC	Ernies Place	
ERPF	Erpfingen	
ERPM	east rand property ines	
ERR	Err	
ERRC	Elmore Ranch	
ERS	Ellisras	
ERSA	Rifugio Sapienza	
ERT	Erto-Casso	
ERTA	Horta de San Juan	
ERTU	Ertsjaerv	
ERUA	La Rua	
ERW	Mount Erie	
ERZ	Erzurum	
ERZC	Erzyncan	
ERZM	Erzurum	
ERZN	Erzincan	
ERZT	Erzurum	
ES-	Espanola	ES-ON
ES01	SONSECA Array Site 01	
ES02	SONSECA Array Site 02	
ES03	SONSECA Array Site 03	
ES04	SONSECA Array Site 04	
ES05	SONSECA Array Site 05	
ES06	SONSECA Array Site 06	
ES07	SONSECA Array Site 07	
ES08	SONSECA Array Site 08	
ES09	SONSECA Array Site 09	
ES10	SONSECA Array Site 10	
ES11	SONSECA Array Site 11	
ES12	SONSECA Array Site 12	
ES13	SONSECA Array Site 13	
ES14	SONSECA Array Site 14	
ES15	SONSECA Array Site 15	
ES16	SONSECA Array Site 16	
ES17	SONSECA Array Site 17	
ES18	SONSECA Array Site 18	
ES19	SONSECA Array Site 19	
ESA	Esa-ala	
ESAC	San Caprasio	
ESAD	Djebel Saadia	
ESAL	Sant'Alfio	
ESAN	Monte dei Santi	
ESAR	Angra dos Reis-Rio de Janeiro-Brazil	
ESB	Esa-ala	
ESBB	Sonseca Array BB	
ESC	El Salvador	
ESCA	l'Escarene	
ESCF	Escot	
ESCO	ESCO Site	
ESCV	Scorciavacca	
ESD	East Dome	
ESDC	Sonseca Array Beam Reference Point	
ESE	Esentepe	
ESEL	Selva	
ESF	Shoufeng Township	
ESGS	El Segundo	
ESH	Esan	
ESK	Eskdalemuir	
ESKT	Eskisehir	
ESKU	Eskilstuna	
ESL	Shilin	
ESLA	Sonseca Array Site A	
ESLB	Sonseca Array Site B	
ESLC	Sonseca Array Site C	
ESLD	Sonseca Array Site D	
ESLE	Sonseca Array Site E	
ESLF	Sonseca Array Site F	
ESLG	Sonseca Array Site G	
ESLN	Serra La Nave	
ESM	Semalu	
ESML	S. M. di Licodia	
ESO	Esso	
ES-ON	Espanola	
ESP	Espenschied	
ESPC	Serra Pizzuta	
ESPO	Espot	
ESPR	Espera	
ESPY	Espiye-Giresun	
ESPZ	Base Esperanza	
ESR	Escape Road	
ESRO	Monte Soro	
ESS	CRAAG	
EST	Estancia	
ESTP	Estepa	
ESTR	Eastside	
ESU	Esutoru	
ESVO	Monte Scavo	
ESY	Stoneypath	
ET2	Eltopia	
ET3	Eltopia	
ETA	Tara	
ETAN	Djebel Tanoua	
ETAR	Tardaria	
ETAZ	East Tamaki Reservoir	
ETB	Estevan Point	
ETC	El Centro	
ETER	Terradas	
ETFI	Torre del Filo	
ETG	Eatonton	
ETHB	Djebel Tachoubennt	
ETKA	Kagalaska Island	
ETL	Fush Village	
ETOB	Tobarra	
ETOR	Torete	
ETOS	Mallorca	
ETP	Eltopia	
ETRT	Tiaret	
ETS	Engine Test Stand	
ETSF	Etsaut	
ETT	Etowah	
ETU	East Traverse Mountains	
ETV	Tovanakuss	
ETW	Entiat	
ETYK		
EU-	Eutaw	EU-AL
EU2	Eutaw	EU2AL
EU2AL	Eutaw	
EU-AL	Eutaw	
EUC	Eureka Canyon	
EUCT	Pavia	
EUGM	Eugowra	
EUM	Eureka Mesa	
EUNU	Eureka	
EUO	Eugene	
EUR	Eureka	
EUW	Eureka	
EUZM	Uzumlu	
EVA	Evander	
EVAL	Valverde	
EVCC	Everett College ANSS-SMO	
EVE	Everglades	
EVEN	Evensk	
EVGW	Everett Gateway Middle School ANSS-SMO	
EVIA	Vianos	
EVIN	Evansville	
EVN	Everest	
EVNA	Vena	
EVNR	Evensk	
EVO	Evora	
EVOP	Sao Brissos	
EVR	Evrytania	
EVRN	Santa Venerina	
EVV	El Vigia	
EVZ	Mount Varzin	
EW-	Eniwetok	EW-IS
EW2	E Wide Canyon 2	
EWC	East Wide Canyon	
EW-IS	Eniwetok	
EWT	Watom Island	
EWZ	Erewhon	
EWZT0	Triemli, ZR	
EWZT1	Frdhf. Weidikon, ZR	
EWZT2	Wettswil, ZR	
EWZT3	Uitikon, ZR	
EXAA	Alhama Almeria	
EXAD	Adra	
EXAG	Alhama Granada	
EXAI	Alicante	
EXAL	Albunol	
EXAM	Almeria	
EXAO	Algodonales	
EXAR	Arenas del Rey	
EXBA	Badajoz	
EXBE	Becerrea'	
EXBN	Benidorm	
EXBZ	Baza	
EXC	Excelsior	
EXCA	Cadiz	
EXCH	Chimeneas	
EXDI	Dilar	
EXED	Elda	
EXEE	El Ejido	
EXEL	Elche	
EXES	Estepona	
EXG	Exogi	
EXGA	Gandia	
EXGUA	Guardamar (Alicante)	
EXHU	Huelva	
EXJA	Jaen	
EXJU	Jumilla	
EXLO	Lorca	
EXLR	Lorqui	
EXLU	Lugo	
EXMA	Malaga	
EXMO	Motril	
EXMU	Mula	
EXOR	Olula del Rio	
EXPA	Pamplona	
EXSA	Sarria	
EXSG	Experiment Station	
EXTA	Tarifa	
EXTO	Torrevieja	
EXVE	Vera	
EY-	Ely	EY-NV
EY2	Ely	EY2NV
EY2NV	Ely	
EYAK	Cordova Ski Area	
EYES	Ewing Young ES, Newberg ANSS-SMO	
EYL	Eskiyayla	
EYMN	Ely	
EY-NV	Ely	
EYP	El Yunque	
EZ5V		
EZAM	Zamans	
EZC	Erzincan	
EZM	Erzurum	
EZN	Ezine	
EZPO	C.da Z Pietro	
F03A	Seaside	
F04A	Amboy	
F04D	Rainier, OR	
F05A	White Salmon	
F06A	Goldendale	
F07A	Phinny Hill Vineyards, Prosser	
F08A	Pendleton	
F09A	S2 Ranch, Elgin	
F10A	Beach Ranch, Enterprise	
F11A	Grangeville	
F12A	Elk City	
F13A	Darby	
F14A	Wisdom	
F15A	Butte	
F16A	Kennard Place, Willow Creek	
F17A	Fitzpatrick Place, Clyde Park	
F18A	Big Timber	
F19A	Roth Farm, Molt	
F20A	Billings	
F21A	Absaloka Mine, Hardin	
F22A	Rosebud	
F23A	Volborg	
F24A	Ekalaka	
F25A	Bowman	
F26A	Lodgepole	
F27A	Lemmon	
F28A	McLaughlin	
F29A	Eureka	
F30A	Leola	
FA1	Favara	FAI
FAB	Fabrichnaya	
FABU	Falkenberg	
FAC	Faja de Cima	
FACH	Fachingen	
FAE	Faenza	
FAEN	Faenza	
FAGN	Fagnano	
FAI	Favara	
FAIR	Fairbairn	
FAKI	Fak Fak	
FAL	Falling Springs	
FALK	Falkenberg	
FALL	Mountain Creek	
FALS	False Pass	
FALU	Falun	
FAM	Famagusta	
FAN	Fanning Island	
FANE	Correggio Fan	
FA-NV	Faultless	
FAQ	Al Faqa, Dubai	
FAR	Faro	
FARB	Farallon Islands	
FARG	Farmington	
FARH	Faro	
FARM	Veracruz	
FAT	Fatmalar	
FAU	Forcella Aurine	
FAV	Fayetteville	
FAVR	Favara	
FAY	Fayetteville	
FB2AK	Fairbanks	
FBA	Fairbanks	
FB-AK	Fairbanks	
FBAL	Fairbanks--Long Period	
FBAS	Fairbanks	
FBB	Freiburg im Breisgau	
FBC	Frobisher Bay	
FBE	Freiberg	
FBG	Trois Rivieres	
FBK	Fairbanks	
FBMT	Ferry Basin	
FBN	Frobisher Bay	FRB
FBO	Farmers Butte	
FBR	Fabra	
FBT	Foumbot	
FCAR	Ozark Folk Center	
FCBC	Franklin Camp	
FCC	Fort Churchill	
FCH	Farellones	
FCN	Frijoles Canyon	
FCV	Fort Charlotte	
FDA	Foz do Areia	
FDA4	Foz do Areia	
FDA5	Foz do Areia	
FDAF	Les Forges d'Abel	
FDAS		
FDCV	FORTIN DE LA CUMBRE	
FDF	Fort de France	
FDG1	Firdgum	
FDG2	Firdgum	
FDG3	Firdgum	
FDG4	Firdgum	
FDKY	Freedom	
FDMO	Fiordimonte	
FDU	Ford Ridge	
FEA	Feather Falls	
FECT	Ferrara Citta	
FEF	Fern Forest	
FEKT	Feke	
FEL	Feldberg	
FELD	Feldberg im Schwarzwald	
FEN	Shenyang	
FENE	Fenestrelle	
FEO	Feodosiya	
FER	Ferndale	
FERN	Isla Fernandina	
FERR	Ferguson	
FESP	Espira	
FETA	Feichten	
FETI	Fethiye-Mugla	
FETY	Fethiye	
FFBG	Frank Field Bay, Greenland	
FFC	Flin Flon	
FFD	Franklin Falls Dam	
FFNB	Fofonovo	
FG1	Foggia	FOG
FG2	Serracapriola	
FG3	Mte Sant'Angelo	
FG4	Candela	
FG5	Orsara di Puglia	
FG6		
FGG	Foggia	FOG
FGMS	Monte Sant'Angelo	
FGO	Fuego	
FGO2	Fuego 2	
FGSL	Fruska Gora	
FGTN	Flat Gap	
FGTQ	Fig Tree	
FGU	Flaming Gorge	
FH-	Fort Sherman	FH-PM
FHC	Fickle Hill	
FHE	Frenchman Hills East	
FHMC	Merrill Creek	
FHO	Fitzroy Harbor	
FH-PM	Fort Sherman	
FHRB	Fair Harbour	
FHV	Haldarsvik	
FIA0	FINESS Array Site A0	FINES
FIA1	FINESS Array Site A1	
FIA2	FINESS Array Site A2	
FIA3	FINESS Array Site A3	
FIAM	Fiamignano	
FIB	Fire Island	
FIB1	FINESS Array Site B1	
FIB2	FINESS Array Site B2	
FIB3	FINESS Array Site B3	
FIB4	FINESS Array Site B4	
FIB5	FINESS Array Site B5	
FIB6	FINESS Array Site B6	
FIBO	Fila Bonilla	
FIC1	FINESS Array Site C1	
FIC2	FINESS Array Site C2	
FIC3	FINESS Array Site C3	
FIC4	FINESS Array Site C4	
FIC5	FINESS Array Site C5	
FIC6	FINESS Array Site C6	
FICA	Fila Carbon	
FID	Port Fidalgo	
FIESA	Fiescheralp	
FIG	Monte Figo	
FIGC	Figueroa Mtn.	
FIL	Fillmore	
FILF	Fillols	
FIN	Finale Ligure	
FINB	Finale Ligure	
FINC	Finschhafen	
FINE	Fine	
FINES	FINESS Array Beam Reference Point	

Code	*Station Name*	*Other*
FINN	Finn Hill Junior High School	
FINU	Finntorp	
FIPE	Fila de Piedra	
FIR	Firenze	
FIS	Fire Island	
FISA	Sacuragua	
FITX	Fitzroy Crossing	
FITZ	Fitzroy Crossing	
FIU	Minerbio Fiu	
FIVI	Fivizzano	
FK-	Franktown	FK-CO
FKBC	Forrest Kerr	
FK-CO	Franktown	
FKH	Fakeheh	
FKI	Failaka Island	
FKJ	Fukue	
FKJD	Fukui	
FKK	Fukuoka	
FKO	Franklin	
FKPU	Falk	
FKS	Fukushima	
FL-	Fort Nelson	FL-BC
FL01	Flin Flon Array Site 1	
FL02	Flin Flon Array Site 2	
FL03	Flin Flon Array Site 3	
FL04	Flin Flon Array Site 4	
FL05	Flin Flon Array Site 5	
FL06	Flin Flon Array Site 6	
FL07	Flin Flon Array Site 7	
FL08	Flin Flon Array Site 8	
FL09	Flin Flon Array Site 9	
FL10	Flin Flon Array Site 10	
FL11	Flin Flon Array Site 11	
FL12	Flin Flon Array Site 12	
FL13	Flin Flon Array Site 13	
FL14	Flin Flon Array Site 14	
FL15	Flin Flon Array Site 15	
FL16	Flin Flon Array Site 16	
FL17	Flin Flon Array Site 17	
FL18	Flin Flon Array Site 18	
FL2	Flat Top 2	
FL31	Flin Flon Array Site 31	
FLA	Flat	
FLACH	Flaach	
FLAG	Flagstaff	
FLAR	Flin Flon Array Beam Reference Point	
FLAS	Fullerton Airport	
FL-BC	Fort Nelson	
FLE	Fletcher	FLET
FLET	Fletcher	
FLFR	Flavio Alfaro	
FLG	Flagstaff	
FLK	Falkland Islands	
FLKY	Flemingsburg	
FLLB	Fletcher Lake Big Creek, BC	
FLN	La Foliniere	
FLO	Florissant	
FLOC	Florencia	
FLOM	Florida	
FLOR	Flores Is	
FLOS	Flostrand	
FLP	Featherly Pass	
FLPT	Flippin	
FLR	Fall River	
FLS	Las Flores	
FLSC	Flash Two Peak	
FLT	Fleetwood	
FLU	Fool Peak	
FLV		
FLW	Foulwind	
FLWY	Flagg Ranch	
FLYU	Flymyra	
FM-	Fillmore	FM-UT
FMA	Fort MacArthur	
FMC	Four Mile Canyon	
FMF	Francis Marion National Forest	
FMKY	Fulgham	
FMON	Montouss^'	
FMP	Fort Macarthur Park	
FMPA	Franklin College	
FMT	Funeral Mountains	
FMTX	Flower Mountain	
FM-UT	Fillmore	
FMW	Mount Fremont	
FN-	Franklin	FN-WV
FNA	Florina	
FNBB	Fort Nelson	
FNBC	Fort Nelson	
FNC	Finlay Fork	
FNDO	Fernando de Noronha	
FNEB	N^'bias	
FNG	Fond-Bernard	
FNN	Franconia Notch	
FNO	Franklin	
FNT	Hobart	
FNVD	Fontana Vidola	
FN-WV	Franklin	
FO-	Fort Stockton	FO-TX
FOA	Forni Avoltri	
FOC	Focsani	
FODE	Fodele	
FOE	Fourare	
FOEL	Foel Wylfa	
FOG	Foggia	
FOL	Foligno	
FOMA	Nahampoana Res	
FON	Fontana	
FONT	Fontmartina	
FONW	Fourpeaked Station 2	
FOO	Floro	
FOPK	Fourpeaked Volcano	
FOR	Fordham	
FORC	Fortuna	
FORR	Forrest	
FORT	Forrest	
FORU	Forsmark	
FOSS	Fourpeaked Station 1	
FOT	Fontinhas	
FOTD	Funaoka	
FO-TX	Fort Stockton	
FOUF	Fouillouse	
FOX	Fox Creek	
FOXC	Fox Airport	
FOZ	Fox Glacier	
FPAL	Fort Paine	
FPK		
FPN	Fairview Peak	
FPN1	Fairview Park	
FPPC	Fogo--Pe de Pico	
FPST	Four Points	
FPU	Francis Peak	
FPW	Fields Point	
FR-	Forsyth	FR-MA
FR27	Wilpena Pound	
FRA	Furnas	
FRA1	Furnas	
FRAS	Faraa	
FRB	Frobisher Bay	
FRC	Federal Ranch	
FRCO	San Francisco	
FRD	Ford Ranch	
FRE	Fresno	
FRED	Fred Haigh	
FRES	Fresagrandinaria	
FRF	La Foret Royale	
FRG	Fergana	
FRGC	Fargo Canyon	
FRGS	Fruska Gora	
FRI	Friant	
FRIM	Kepong	
FRIS	Frissel Point	
FRJS	Jabal Farasan	
FRK	Frink	
FRM	Flat River	
FRMA	Ierapetra Chania	
FR-MA	Forsyth	
FRN	Fernie	
FRNF	Fournols	
FRNY	Flat Rock	
FRO	Froya	
FROB	Froelich Ranch	
FRON	Frontone	
FROS	Frosini	
FRP	Fremont Peak	
FRR	Firariana	
FRS	Fauresmith	
FRSS	Farasan al Kabir	
FRT	Faratahi	
FRTB	Fartura	
FRTM	Forrest	
FRTX	Fuller Ranch	
FRU	Bishkek	
FRU1	Bishkek	
FRV	Farmville	
FRZ	Fierza	
FS-	Flagstaff	FS-AZ
FS03	Four Seasons	
FS1	Fosdinovo	FSI
FSA	Cafayete	
FS-AZ	Flagstaff	
FSB	Fort Saint James	
FSC	Fuscaldo	
FSCY	Frank Sound, Grand Cayman	
FSD	Sut uroy	
FSH	Hochheid	
FSHM	Fish Creek	
FSI	Fosdinovo	
FSJ	Fort Saint James	
FSMA	Fort Smith	
FSP	False Pass	
FSR	Penalolen	
FSSB	Fossombrone	
FST	Fort Simpson	
FST1	Fort Simpson	
FSU	Fish Springs	
FSV	Svinoy	
FSW	Finsterwolde	
FSW1	Finsterwolde 1	
FSW2	Finsterwolde 2	
FSW3	Finsterwolde 3	
FSW4	Finsterwolde 4	
FSW5	Finsterwolde 5	
FT-	Fort McLeod	FT-BC
FTA	Fortuna	
FTB	Fintinele	
FT-BC	Fort McLeod	
FTC	Fort Tejon	
FTM	Fortuna Mine	
FTMN	Fort Manro	
FTO	Torshavn	
FTR	Fort Ross	
FTV	Front Royal	
FTW	Fairmont	
FTZM	Fitzroy Falls	
FUB	Fube	
FUG	Fuego 3	
FUJ	Fuji-kawa	
FUK	Fukui	
FUL	Funchal	
FULC	Fullerton	
FULR		
FUN	Funatsu	
FUNA	Funafuti	
FUNV	FUNVISIS	
FUORN	Ofenpass-Fuorn	
FUQ	Fuquene	
FUR	Furstenfeldbruck	
FURC	Furnace Creek,Death Valley	
FURD	Furusato	
FURI	Furi	
FUSE	Fusea	
FUSIO	Fusio	
FUT	Futatsui	
FUTA	Futaleufu@15	
FVA	Vagar	
FVI	Forni Avoltri	
FVM	French Village	
FWS	Furtwangen	
FWV	Forest Hill	
FWVZ	Far West T-bar	
FX1	Attu Island--Fox	
FXWY	Fox Creek	
FY1	Fort Yukon	
FY2	Fort Yukon	
FY3	Fort Yukon	
FY4	Fort Yukon	
FY5	Fort Yukon	
FYD	Fayid	
FYM	Al Fayyum	
FYTO	Fytoko, Volos	
FYU	Fort Yukon	
G03A	Yamhill	
G03D	McMinnville, OR	
G04A	Mulino	
G05A	Wamic	
G05D	Wamic, OR	
G06A	Carlson Farm, Grass Valley	
G07A	Ruggs Ranch, Heppner	
G08A	Pilot Rock	
G09A	Cove	
G10A	Bishop Farm, Joseph	
G11A	Walters Elk Ranch, Riggins	
G12A	Big Creek, Yellow Pine	
G13A	Cobalt	
G14A	Jackson	
G15A	Dillon	
G16A	Moss Hill, Ennis	
G17A	Pierce Place, Pray	
G18A	Lazy EL Ranch, Roscoe	
G20A	Bridger	
G21A	Lodge Grass	
G22A	Birney	
G23A	Biddle	
G24A	Alzada	
G25A	Newell	
G26A	Maurine	
G27A	Dupree	
G28A	Parade	
G29A	Hoven	
G30A	Faulkton	
GA2TX	Grand Saline	
GA3TX	Grand Saline	
GAB	Gabbs	
GABY	Abymes - Guadeloupe	
GAC	Glen Almond	
GACM	Adobe Creek	
GACO	Gateway	
GADA	Gvkgeada	
GAEA	Gareloi East	
GAF	Gafsa	
GAFM	Point Arena AFB	
GAI	Gainesville	
GAKI	Gareloi-Kavalga I.	
GAL	Galerazamba	
GAL1	Galloway	
GALA	Gala	
GALAA	Gareloi Lava Pt.	
GALC	Galileo	
GALE	Galera	
GALF	Gagliano Castelferrato	
GALN	Gameti Lake	
GALR		
GAM	Garm	GAR
GAMB	Gambell	
GAMI	Galela, Maluku	
GAN	Gretna	
GANE	Gareloi Northeast	
GANF	Ganagobie	
GANJ	Ganja	
GANO	Gareloi North	
GAP	Garmisch-Partenkirchen	
GAPA	Garmisch-Partenkirchen	
GAR	Garm	
GARG	Garrygala	
GARI	Garurganga	
GARM	Arbuckle	
GARN	Garrison	
GAS	Alder Springs	
GASB	Alder Springs Broadband	
GASG	Gaspe, Quebec	
GASW	Gareloi Southwest	
GATE	Gambatesa	
GATR	Gnd/Air Tx Cntr	
GA-TX	Grand Saline	
GAU	Ngau Island	
GAUS	Gevers	
GAV	Glen Avon	
GAVD	Gavdhos	
GAVE	Gavelli	
GAXM	Alexander Valley	
GAY	Galvasay	
GAZ	Gaziantep	
GAZI	Gazipasa	
GAZZ	Gazzo Veronese (Italy)	
GB01	Guatemala OBS 1	
GB02	Guatemala Basin O.B.S. 2	
GB03	Guatemala Basin O.B.S. 3	
GB04	Guatemala Basin O.B.S. 4	
GB05	Guatemala Basin O.B.S. 5	
GB06	Guatemala Basin O.B.S. 6	
GB07	Guatemala Basin O.B.S. 7	
GB08	Guatemala Basin O.B.S. 8	
GB1A	Borinquen Arriba	
GBA	Gauribidanur Array	
GBAM	Glenbawn Dam	
GBAN	Gaibana	
GBAS	Gorenja Brezovica	
GBB	Gable Butte	
GBBM	Glenbawn Bedrock	
GBC	Guantanamo Bay	
GBD	Granbergs Dal	
GBDM	Big Darby	
GBF	Grand Ballon	
GBG	Greensboro	
GBGM	Boggs Mountain	
GBI	Big Grassy Butte	
GBL	Gable Mountain	
GBLN	Grizzly Bear Lake	
GBM	Granite Butte	
GBMF	Grand Be	
GBMM	Baldy Mountain	
GBN	Guysborough	
GBNC	Greensboro	
GB-NM	Gasbuggy	
GBO	Fort Gibson	
GBOM	Black Oak	
GBPR	Guanica, Bosque Seco, PR	
GBR	Grand-Bara	
GBRS	Gornja Briga	
GBS	Qobustan	
GBS2	Las Lilas	
GBS3	Finca Las Im^¡genes	
GBT	Gilbert	
GBTN	Greenback	
GBV	Green Bank	
GBY	Granite Bay	
GBZ	Great Barrier	
GBZT	Gebze	
GC-	Glacier Peak	GC-WA
GC1	Gold Cst Hrdrock	
GC1S	Gold Coast 1 Soft	
GC2	Gold Coast Softrock	
GC2F	Gold Coast 2 Fill	
GCA	Glen Canyon	
GCAM	G?zelcaml?	
GCAZ	Grand Canyon	
GCBM	Chamberlain Ridge	
GCC	Granite Creek	
GCD	Castle Douglas	
GCG	Guatemala City	
GCIS	Gornji Cirnik	
GCK	Clark Valley	
GCL	Cushendall	
GCM	Grand Cayman	
GCMM	Cobb Mountain	
GCMT	Greycliff	
GCPN	Pointe noire	
GCR	Grayling Creek	
GCRM	Castle Rock Springs	
GCSA	Galena City School	
GCSM	Cold Spring Mountain	
GCVM	Cloverdale	
GCW	Grand Coulee	
GC-WA	Glacier Peak	
GCWM	Cow Mountain	
GCY	Glen Cove	
GD-	Grundy	GD-VA
GDB	GEDABAY	
GDCM	Dry Creek	
GDDT	Gundogdu	
GDH	Godhavn	
GDHS	Morne Mazeau, Deshaies	
GDL2	Guadalupe Mountain	
GDLC		
GDLN	Gardenia Lake, NWT	
GDM	Grand'Maison	
GDR	Gold River	
GD-VA	Grundy	
GDXM	Geysers	
GDZ	Gediz	
GE-	Globe	GE-AZ
GEA0	GERESS Array Site A0	
GEA1	GERESS Array Site A1	
GEA2	GERESS Array Site A2	
GEA3	GERESS Array Site A3	
GEAM	CSIRO Animal Health Laboratory	
GE-AZ	Globe	
GEB	Gebze	
GEB1	GERESS Array Site B1	
GEB2	GERESS Array Site B2	
GEB3	GERESS Array Site B3	
GEB4	GERESS Array Site B4	
GEB5	GERESS Array Site B5	
GEC1	GERESS Array Site C1	
GEC2	GERESS Array Site C2	GERES
GEC2A	GERESS ARRAY SITE C2A	
GEC2B	GERESS ARRAY SITE C2B	
GEC3	GERESS Array Site C3	
GEC4	GERESS Array Site C4	
GEC5	GERESS Array Site C5	
GEC6	GERESS Array Site C6	
GEC7	GERESS Array Site C7	
GECU	Ecuador Network	
GED	Gedeh	
GED1	GERESS Array Site D1	
GED2	GERESS Array Site D2	
GED3	GERESS Array Site D3	
GED4	GERESS Array Site D4	
GED5	GERESS Array Site D5	
GED6	GERESS Array Site D6	
GED7	GERESS Array Site D7	
GED8	GERESS Array Site D8	
GED9	GERESS Array Site D9	
GEDT	Gedikpinar	
GEDZ	Gediz	
GEE	Geehi	
GEES	Gees Lookout	
GEG	Gegechkori	
GELF	Grande-Etoile	
GELI	Tayfur-Gelibolu	
GEMT	Gemlik	
GEN	Genova	
GENH	Genta-Ana	
GENI	Genyem	
GENL	Genova University	
GENO	Geno	
GENY	Geneseo	
GEO	Georgetown	
GEPF	Gemona	
GERES	GERESS Array Beam Reference Point	
GERM	Germantown	
GET	Gonen	
GEVA	Gevas	
GEYT	Alibeck	
GEZ	Gezan	
GF-	Goldfield	GF-NV
GFA	Gafsa	
GFC	Funks Creek	
GFM	Grandfather Mountain	
GFN	Grafton	
GFNU	Grise Fiord	
GF-NV	Goldfield	
GFP	Griffith Park	
GFTM	Plant 15--Mercuryville	
GFW	Glenfield	
GG-	Grafenberg Ar.	GG-GR
GGC	Guia Canaria	
GGF	Granges-Gontardes	
GG-GR	Grafenberg	
GGLM	Glenview	
GGN	Saint George	
GGP	Refugio Guagua Pichincha	
GGPM	Geyser Peak	
GGUM	Gualala	
GGV	Gabriel Gonzalez Videla	
GHA	Glashutten	
GHAN	Ghanteswor	
GHAR	Gharyan	
GHAT	Ghardimaou	
GHC	Gold Hill	
GHCM	House Creek	

Code	Station Name	Other
GHGM	Hogback Ridge	
GHI	Gilbert Hill	
GHIB	Gold Hill	
GHIR	Ghir-Karzin	
GHLM	Highland Springs	
GHMM	Hull Mountain	
GH-MS	Greenville	
GHNB	Nanoose	
GHO	Glory Hole Creek	
GHOM	Hamilton Opening	
GHRR		
GHS	Gilroy Hot Springs	
GHSS	Government House	
GHV	Goochland	
GHVM	High Valley	
GHVR	GHOM	
GHW	Garrison Hill	
GHZJ	Ghuzeima	
GI-	Glendive	GI-MA
GIA	Geophysical Institute, University of Alaska	
GIB	Gibilmanna	
GIBL	Gibalbin	
GID	Gilleleje	
GIE	Galapagos Islands	
GIF	Gifu	
GIFN	Gifford Fjord, Baffin Island, Nunavut	
GIGS	Gran Sasso	
GIL	Gilmore Creek	
GILB	Gilboa	
GILD	Guildford	
GILR	Gillis	
GILT	SW Tenn Gill Cnt	
GIM	North Isle of Man	
GI-MA	Glendive	
GIMEL	St. Georges / Gimel	
GIN	Stromboli-G	
GIO	San Gregorio	
GIP	Gileppe	
GIRL	Giralia	
GIRR	Girov	
GIS	Gissar	
GIUL	Giuliano Di Roma	
GIUM	Giurgiulesti	
GIVF	Givet	
GIZ	Gizo	
GJC	Grand Junction	
GJIK	Gjilan	
GJRN	Ganjari	
GKA	Goroka	
GKC	Gold King Creek	
GKD	Gaurikund	
GKN	Gorkha	
GKP	Gorka Klasztorna	
GL-	Garland	GL-TX
GL2	New Goldendale	
GLA	Glamis	
GLAD	Gladstone	
GLADS	Gladstone Plant	
GLAT	Glass	
GLB	Gilahina Butte	
GLBA	Ca@14lilabad	
GLC	Glacier Island	
GLD	Golden	
GLE	Glenmuick	
GLEN	Glenside	
GLFJ		
GLGT	Gilgit	
GLH	Golan-Tel Qazir	
GLHS	Glhisar (BURDUR)	
GLI	Glacier Island	
GLK	Glacier Lake	
GLKZ	Green Lake	
GLL	Jalalah	
GLM	Gilmore Dome	GLN
GLMI	Grayling	
GLMM	Glenmaggie	
GLMO	Le Moule	
GLN	Gilmore Dome	
GLNM	Glennies Creek Dam	
GLO	Gloucester	
GLOV	Gloversville	
GLP	Golpazari	GPA
GLR	Groom Lake Road	
GLS	Giles	
GLST	Glass	
GLT	Gallatin	
GL-TX	Garland	
GLWN	Glow Worm Lake	
GM-	Guantanamo	GM-CU
GMA	Granite Mountain	
GMB	Gambarie	
GMC	Macagua	
GMCM	McLaughlin Ranch	
GM-CU	Guantanamo	
GMG	Grassy Mountain	
GMI	Garnes Mountain	
GMJI	Gumukmas	
GMK	Mull of Kintyre	
GMKM	Mount Konoctai	
GMM	Mts of Mourne	
GMMM	Mayacamas Mountains	
GMN	Gold Mountain	
GMNA	Gemona	
GMO	Grizzlie Mountain	
GMOM	Moffitt Ranch	
GMR	Groom Range	
GMRC	Granite Mountains Res. Center	
GMRZ	Gyumri	
GMTN	Garret Mountain	
GMU	Granite Mountain	
GMV	El Manteco	
GMW	Gold Mountain	
GN-	Gnome	GN-NM
GNAM	Navarro Ridge	
GNAR	Gosnell	
GNBR	Gunib	
GNF	Goodnow Flow	
GNG	Grange	
GNI	Garni	
GNK	Ganki	
GNKF	Gonabad	
GNKN	Gaynekanda	
GNL	Ganaly	
GNM	Golden	
GNN	Gunnerudssatern	
GN-NM	Gnome	
GNO	Genoa	
GNOU	Gnosjoe	
GNT	Gentilly	
GNW	Green Mountain	
GNYT	Guneyli	
GNZ	Gisborne	
GO-	Gordon	GO-NB
GO05	Hualan@16e@15	
GO09	Cerro Castillo	
GO10	Punta Arenas	
GOA	Goa	
GOAT	Goat Mountain	
GOB	Galiano Island	
GOBA	Gobu	
GOBB	Galiano Island	
GOBY	Gobbelet	
GOC	Griffith Observatory	
GOET	G??ttrup	
GOF	Gofitskoye	
GOGA	Godfrey	
GOGM	North Grampians	
GOIL	Rosebud	
GOKC	Gokceada-Canakkale	
GOL	Golden	
GOLD	Kubaka	
GOLH	Golhisar	
GOLR		
GOLS	Golis@17e	
GOLV	Golondrinas	
GOM	Goma	
GON	Gongen	
GO-NB	Gordon	
GONE	Gonen-Balikesir	
GOPC	GO Pecny, Ondrejov, Czech Republic	
GOR	Gori	
GORA	Gorafe	
GORC	Green Oak Ranch	
GORG	Isola Di Gorgona	
GORS	Gorjuse	
GOT	Goteborg	
GOTU	Gotland	
GOU	Gould Hall	
GOV	Govalcot	
GOWB	Gowlland Point	
GOY	Gornyy	
GOZ	Gozaisho	
GP-	Grand Rapids	GP-MN
GPA	Golpazari	
GPD	Greenpond	
GPMM	Pine Mountain	
GP-MN	Grand Rapids	
GPNO	Pichincha	
GPNR	Gulpinar-Canakkale	
GPO	China Lake	
GPS1	Guardaparques de Rinc˜‡n de la Vieja	
GPS2	Hotel Rinc˜‡n de la Vieja Lodge	
GPS3	Bodega del ICE en Pailas	
GPTB	Petit Bourg	
GPV	Virgin Gorda Peak	
GPW	Glacier Peak	
GPY	Gippayama	
GPZ	Gebbies Pass	
GQP	Guinayangan	
GR1TX	Grit	
GR2	Grit	GR2TX
GR2C	Griffith Obs. 2	
GR2TX	Grit	
GRA	Graz	
GRA1	Grafenberg Array	GRF
GRA2	Grafenberg Array	
GRA3	Grafenberg Array	
GRA4	Grafenberg Array	
GRAC	Grapevine Ranger Station, Death Valley	
GRAI	Grandview Point	
GRAM	Graiana	
GRAU	Graesoe	
GRB	Gharib	
GRB1	Grafenberg Array	
GRB2	Grafenberg Array	
GRB3	Grafenberg Array	
GRB4	Grafenberg Array	
GRB5	Grafenberg Array	
GRBF	Gourbit	
GRBT	Greenback	
GRC	Garchy	
GRC1	Grafenberg Array	
GRC2	Grafenberg Array	
GRC3	Grafenberg Array	
GRC4	Grafenberg Array	
GRCC	Green River Community College BBO	
GRCI	Grant Creek	
GRCU	Cariacou	
GRD	Gardner Farm	
GRDB	Briano	
GRDM	Monte Maddalena	
GRDQ	Quinzano	
GRDS	Las Granadillas	
GRDT	Desenzano Tresine	
GRE	Grenada	
GRER		
GRF	Grafenberg Array	
GRFL	Gerfalco	
GRFO	Grafenberg	
GRG	Griva	
GRGR	Grenville	
GRH	Grahamstown	
GRHS	Sauteurs	
GRI	Girifalco	
GRI*	Grit	GR1TX
GRIC	Isle de Caille	
GRIMS	Grimsel Gerstenegg	
GRIN	Grindle Hills	
GRJ	Gorje	
GRJI	Gresik	
GRK	Goroka	
GRK1	Goroka	
GRL	Gorelyy	
GRLA	Grayling	
GRM	Grahamstown	
GRMI	Germi	
GRMM	Round Mountain	
GRN	Grenoble	
GRN*	Grenoble	
GRNC	Granite Creek	
GRNM	Rancho Navarro	
GRNR	Gornyy	
GRO	Groznyy	
GROC	Groznyy	
GROG	Isola di Gorgona	
GROM	Round Mountain	
GRON	Grota Negra	
GROR	Grindstone Mountain	
GROS	Grobnik	
GRP	Granite Pass	
GRQ	Grand Remous	
GRR	Gorron	
GRRI	Grays Lake	
GRRZ	Galatos Road	
GRS	Goris	
GRSN	GIRESUNGRSN	
GRSS	Sisters	
GRT	Gratio	
GRTK	Grand Turk	
GRTM	Round Top Mountain	
GRTR	Gornotajezhnoje	
GRUS	Gruza	
GRV	Greenville	
GRVM	Greaves Creek	
GRW	Mount Saint Catherine	
GRX	Grover	
GRY	Greymouth	
GRYON	Gryon	
GRZ	Great Barrier Island	
GS-	Grantsville	GS-MD
GSA	Caltech--GSA	
GSAR	Gosnell High Sch.	
GSC	Goldstone	
GSCK	Great Sitkin Cape Kiugilak	
GSCL	Gusciola	
GSCY	Girl Scout Camp	
GSGM	Seigler Mountain	
GSH	Grosshau	
GSI	Gunungsitoli	
GSIG	Igitkin Island	
GSM	Grass Mountain	
GSMB	CHITILA	
GS-MD	Grantsville	
GSMM	Socrates Mine	
GSMY	Great Sitkin Middle Yoke	
GSNM	Snow Mountain	
GSP	Gladstone Stream	
GSPH	General Santos City	
GSQ	Grosses Roches	
GSR	Geological Survey, Reston	
GSSM	Skaggs Springs	SKG
GSSP	Great Sitkin Saddle Point	
GSTB	Goldstream Park	
GSTD	Great Sitkin Triple Divide	
GSTR	Great Sitkin Teapot Rock	
GSUT	Gun Site Peak	
GSV	Goldstream Valley	
GSVT	Goldstream Valley	
GSZ	Glacier Shelter	
GT-	Galeton	GT-PA
GT2	Goat Mountain	
GTA	Gaotai	
GTBY	Guantanamo Bay	
GTC	Three Chop Ridge	
GTD	Georgetown	
GTK	Gangtok	
GTM	Goat Mountain	
GTMO	Guantanamo	
GTN	Gotemba	
GTO	Geraldton	
GTOI	Gorontalo	
GTP	General Santos	
GT-PA	Galeton	
GTR	Jabal at Tayr	
GTRI	Great Rift	
GTS	Gentvishi	
GTSM	Trough Springs	
GTT	Gottingen	
GTTG	Gvttingen	
GTTN	Green Top	
GTU	Guttu	
GTV	Cerro Toribio	
GTWN	Georgetown Playfield ANSS-SMO	
GUA	Guam	
GUAB	Guayabo de Bagaces	
GUAC	Guacamaya	
GUAL	Guallil	
GUAM	Guam	
GUAMO	Guam	
GUAN	Valle de Guanape	
GUAR	Guarcino	
GUAY	Guayacanes	
GUB	Guba	
GUD	Guadarrama	
GUDA	Gudauri	
GUDG	Gudauri	
GUI	Guimar	
GUIM	Jordan	
GUIV	Guiria	
GUL	Gulkana	
GULA	Gulagac	
GULE	Gulek	
GULT	Gulveren	
GULW	Guler Mountain	
GUM	Guadalajara	
GUM2	Guadalajara 2	
GUMA	Gualdo di Macerata	
GUMO	Guam	
GUMR	Gum-Bashi	
GUMT	Gumushane	
GUN	Gumba	
GUND	Gundaroo	
GUNV	Guanoco	
GUNZ	Gunzen	
GUO	Oaxaca	
GUR	Goura	
GURV	El Guri	
GUT	Gutenstein	
GUV	Guri	
GUV1	Guri Network	
GUV2	Guri Network	
GUV3	Guri Network	
GUV4	Guri Network	
GUV5	Guri Network	
GUVC	San Jose del Guaviare	
GUWA	GUWAHATI	
GV-	Grapevine	GV-TX
GVA	Apache Junction	
GVD	Gavdhos	
GVDA	Garner Valley	
GVDS	Gavdos	
GVI	Bet Guvrin	
GVL	Greenvale	
GVMR	Giv'at Hamore	
GVN	Grapevine	
GVR	Green Valley Road	
GVRC	Garvey Reservoir	
GVS	Graniteville	
GV-TX	Grapevine	
GVV	Valley View	
GWBC	Aumenau	
GWBE	Wiesbaden	
GWBF	Romrod	
GWC	Great Whale River	
GWDE	Greenwood	
GWF	Grand Wintersberg	
GWH	Guwahati	
GWJ	Greenwich	
GWKM	Walker Ridge	
GWR	Great Whale R.	PBQ
GWRM	Wonder Ranch	
GWV	Greenwater Valley	
GWY	Greenwater Valley	
GY-	Gaylord	GY-MN
GYA	Guiyang	
GYA0	ALIBECK ARRAY SITE A0	
GYA0B	ALIBECK ARRAY SITE A0B	
GYA1	ALIBECK ARRAY SITE A1	
GYA2	ALIBECK ARRAY SITE A2	
GYA3	ALIBECK ARRAY SITE A3	
GYB1	ALIBECK ARRAY SITE B1	
GYB2	ALIBECK ARRAY SITE B2	
GYB3	ALIBECK ARRAY SITE B3	
GYB4	ALIBECK ARRAY SITE B4	
GYB5	ALIBECK ARRAY SITE B5	
GYL	Gyula	
GYM	Guaymas	
GY-MN	Gaylord	
GYMZ	Gyumri	
GYN	Goynuk	
GYO	Guyot Hills	
GZH	Guangzhou	
GZI	Ganzirri	
GZLA	Gyzyletrek	
GZN	Ground Zero	
GZ-OH	Galion	
GZR	Gura Zlata	
GZS	Gozaisho	GOZ
GZT	Gaziantep	
GZTT	Gaziantep	
GZU	Grizzly Peak	
H01W1	Cape Leeuwin Hydroacoustic Site W1	
H01W2	Cape Leeuwin Hydroacoustic Site W2	
H01W3	Cape Leeuwin Hydroacoustic Site W3	
H02A	Toledo	
H02N1	VAN INLET T-PHASE SITE N1	
H02S1	DAWSON INLET T-PHASE SITE S1	
H03A	Soap Creek Ranch, Albany	
H04A	Detroit Lake	
H05A	Madras	
H06A	Lindquist Farm, Mitchell	
H06E		
H06N	Isla Socorro	
H06S		
H07A	Lands Inn, Kimberly	
H07N1	FLORES T-PHASE SITE N1	
H07S1	FLORES T-PHASE SITE S1	
H08A	Prairie City	
H09A	Durkee	
H10A	Noah's Angus Ranch, Cambridge	
H11A	Donnelly	
H12A	Diamond D Ranch, Stanley	
H13A	Challis	
H14A	Leadore	
H15A	Lima	
H16A	Russell Place, West Yellowstone	
H17A	Grant Village	
H18A	Shoshone NF, Cody	
H19A	Powell	
H20A	Greybull	
H21A	Big Horn, Sheridan	
H22A	Clearmont	
H23A	Clabaugh Cattle Company, Gillette	
H24A	Dirks Ranch, Alva	
H25A	Fruitdale	
H26A	Fairpoint	
H27A	Howes	
H28A	Mission Ridge	
H29A	Onida	
H2O	Hawaii-2 Observatory	
H2OWA	Water	
HAB	Haboro	
HABR	Khabarovsk	
HAC	Hachinohe	
HACH	Hacho	
HACJ	Hachinohe 2	
HAD	Hassan Addkhil	
HADB		
HADR		
HAE	Alders End	
HAF	Haifa	
HAG	Hague Volcano	
HAGA	Augusta	
HAGD	Aghdareh	
HAGS	Hagol	
HAH	Hahryggur	
HAI	Haiwee	
HAIL	Harrisburg (Southeastern	

	Illinois College)	
HAJJ	Hajjah	
HAK	Hakodate	
HAKJ	Hakodate 2	
HAKT	HAKKARI	
HAKY	Hadley Quad	
HAL	Halifax	
HALM	Halim	
HALT	Halls	
HALTI	Haltingen (BS)	
HAM	Hamburg	
HAMF	Hammerfest	
HAMM	Hamman Mousa	
HAMO	Hamaker Mountain	
HAN	Hanford	
HAO	Harrison Substation	
HAPS	Han Pijesak,BIH	
HAQS	Haql	
HAR	Hartford	
HARE	Harare	
HARI	Harich	
HARN	Harre	
HARP	HAARP	
HARR	Harsova	
HART	Harbor Island ANSS-SMO	
HARU	Harads	
HARZ	Haroharo	
HAS	Hastings	
HASLI	Hasliberg/Brienz	
HASS	Wahat al Ahsa'	
HAST	Hastings Reserve	
HASU	Hassela	
HAT	Hattorf	
HATC	Hat Creek Radio Observatory, Hat Creek	
HATD	Hatta, Dubai	
HATH	Hata	
HATI	Hayti	
HATJ	Hateruma jima	
HATZ	Hinemaiaia	
HAU	Haudompre	
HAV	Havilah	
HAVC	Havirov	
HAVE	Haverstraw	
HAVL	Avola	
HAVZ	Havza	
HAWA	Hanford	
HAWK	Haweek	
HAWT	Hathaway	
HAY	Hayfield	
HAYW	Haystack Fork	
HAZ	Te Kaha	
HAZM	Anzar Road	ANZ
HB-	Hobart (Okla)	HB-OK
HBA	Halley Bay	
HBAR	Harrisburg	
HBAZ	Herne Bay Borehole	
HBC	Horseshoe Bay	
HBD	Hovd	
HBDB	Hayseed and Buckwheat Dairy Farm	
HBF	Harts Bluff	
HBH	HawaiianBeaches	
HBL2	Bonnylands	
HBM	Hobart Mills	
HBMT	Mount Humbug	
HBNS	Bani@18 Suwayf	
HBO	Huckleberry Mountain	
HB-OK	Hobart	
HBR	Haibara	
HBRG	Burj al 'Arab	
HBST	Basata	
HBT	Hobart Mills	
HBTM	San Juan Bautista	
HBV	Harrisonburg	
HBV2	Hoa Binh	
HBVN	Hoa-Binh	
HBVT	Hinesburg	
HBZ	Hicks Bay	
HCA		
HCAM	Canada Road	CDC
HCAT		
HCBM	Chamberlain	CBC
HCC	Holy Cross	
HCG	Craig Goch	
HCI	Hatchie Coon Island	
HCK	Huntoon Valley	
HCNY	Howe Caverns	
HCO	Huanuco	
HCOM	Corn Cob Canyon	
HCPM	Crevison Peak	
HCR	Hot Creek Range	
HCRL	Carlentini	
HCRM	Chase Ranch	CSR
HCU	Horse Canyon	
HCY	Herceg Novi	
HCZM	Cordoza Dairy	
HD-	Howard	HD-PA
HDA	Harding Lake	
HDAN	Heda	
HDAR	W Memph W Sta	
HDB	Hidalgo Marine Base	
HDBT	Hernando Brdge	
HDC	Heredia	
HDC2	Heredia 2	
HDG	Hidalgo Mountain	
HDH	Heidenheim-Charlottenhoehle	
HDHB	Dhahab	
HDIL	Hopedale	
HDK	Hidaka	
HDK1	Dakhla	
HDK2	Wahat Dakhilah	
HDLM	Dillon Ranch	DIL
HDM	Haddam	
HDMB	Hadim	
HD-PA	Howard	
HDQ	Headquarters	
HDR	Hadrut	
HDU	Hyde Park	
HDW	Hoodsport	
HE-	Hempstead	HE-TX
HEA	Headley	
HEB	Heber	
HEBO	Mount Hebo	
HEC	Hector,Ludlow	
HED	Hedekas	
HEDF	Idfu	
HEDN	Heda	
HEE	Heerlen	
HEF	Hetta	
HEI	Heidelberg (Koenigstuhl)	
HEL	Helsinki	
HELC	Santa Helena	
HELL	Mitchell Peak	
HEMU	Hemsoen	
HEN	Hengchun	
HENM	Henderson Mound	
HENT	Hendek	
HER	Hermanus	
HERB	Hercules	
HERM	Elkhorn Road	
HES	Velbert-Hespertal	
HET	Houston--Electro-Tech	
HE-TX	Hempstead	
HEX	Exmoor	
HEXM	Hexham	
HFA0	Hagfors New Array Site A0	
HFA1	Hagfors New Array Site A1	
HFA2	Hagfors New Array Site A2	
HFA3	Hagfors New Array Site A3	
HFB1	Hagfors New Array Site B1	
HFB2	Hagfors New Array Site B2	
HFB3	Hagfors New Array Site B3	
HFB4	Hagfors New Array Site B4	
HFB5	Hagfors New Array Site B5	
HFC2	Hagfors New Array Site C2	
HFEM	San Felipe	SFL
HFHM	Flint Hills	
HFPM	Fremont Peak	FRP
HFRF	Wahat Farafirah	
HFRN	Hoarfrost River	
HFS	Hagfors	
HFSA1	Hagfors Array Site A1	
HFSB1	Hagfors Array Site B1	
HFSB2	Hagfors Array Site B2	
HFSB3	Hagfors Array Site B3	
HFSB4	Hagfors Array Site B4	
HFSB5	Hagfors Array Site B5	
HFSC1	Hagfors Array Site C1	
HFSC2	Hagfors Array Site C2	
HFSU	Holladay Fire Station, Holladay, Utah	
HGA	Collinsville	
HGB	Hanford Gable Butte	
HGH	Gray Hill	
HGJ	Hongo	
HGN	Heimansgroeve	
HGP	Huxley Gorge	
HGSM	Gilroy Springs	GHS
HGVB	Ha Giang	
HGVO	Hagersville	
HGWM	Gilroy West	
HH-	Hannah	HH-ND
HH2	Hannah	HH2ND
HH2ND	Hannah	
HHAG	Hagoal	
HHAI	Hells Half Acre	
HHAR	Hobbs	
HHC	Hu-ho-hao-te	
HHH	Horse Heaven Hills	
HHI	Harmony Heights	
HHM	Hungry Horse	
HH-ND	Hannah	
HHP	Hogget Hill	
HHR	Hinohara	
HHRG	Al Ghardaqah	
HHS	Hurricane	
HHSZ	Highcliff Hill	
HHT	Hurricane Hollow	
HHWY	High Hoyland	
HIA	Hailar	
HIC	Hidaka-Cho	
HICC	Highline Community College ANSS-SMO	
HICK	Hickman	
HID	Hamer Butte	
HIER	Hierbabuena	
HIG	Hawaii Institute of Geophysics	
HII	Heard Island	
HIK	Hikone	
HIKD	Hikinohira	
HIL	Hilo	
HILA	High Level	
HILG	Hillesheim	
HILS	Ha'il	
HIM	Himeji	
HIN	Hinchinbrook Island	
HINF	Hinteralfeld	
HINZ	Hinze Dam	
HIR	Hiroshima	
HIR1	Hiroshima	
HIRJ	Hiroshima 2	
HIS	Hisarcik	
HITJ	Hittiya	
HITZ	Hingarae	
HIZ	Hauiti	
HJA	Humahuaca	
HJGM	San Juan Grade	
HJH	Honjo	
HJJ	Hachijo jima	
HJSM	John Smith Road	
HJY	Honjo	HJH
HK-	Hawk Springs	HK-WY
HKAT	Jabal Katrina	
HKB	Herkenbosch	
HKC	Hong Kong Observatory	
HKCD	Cape D'Aguilar	
HKER	Hawker	
HKFR	Khafra	
HKI	Fushiki	
HKJ	Hokoriku	
HKL	Haleakala	
HKLI	Keung Shan	
HKLK	Luk Keng	
HKLM	Lead Mine Pass	
HKM	Hinckley	
HKN	Hawks Nest	
HKNS	Hadbat Hakran	
HKP	Hidden Lake	
HKPS	Hong Kong Po Shan	
HKR	Hakkari	
HKRM	Kincaid Ranch	
HKSL	Siu Lam	
HKT	Hockley	
HKWD	Heukewalde	
HK-WY	Hawk Springs	
HKZM	Kohzaman	
HL-	Hailey	HL-ID
HL2	Hailey	HL2ID
HL2ID	Hailey	
HLA	Hall's Lagoon	
HLBJ	Hallabat	
HLD	Halaksitan	
HLE	Halle	
HLG	Helgoland	
HLGA	Haflong	
HLGC	Holguin	
HLH	Cerro de Hule	
HLID	Hailey	
HL-ID	Hailey	
HLJ	Hailstone	
HLK	Haleakala	
HLL	Cape Hallett	
HLLC	North Hollywood	
HLM	Helmville	
HLM1	Long Mynd	
HLN	Hualilan	
HLNC	Highland	
HLNI	Lentini	
HLP	Hilina Pali	
HLPM	Lions Peak	
HLR	Highland Ranch	
HLRZ	Highlands Station	
HLS		
HLSB	Harrison Lake South	
HLT	Holt	
HLTM	Lone Tree Road	LTR
HLW	Helwan	
HLX	Hole	
HLZ	Helez	
HM-	Hundred Mile H.	HM-BC
HMA	Khanty-Mansiysk	
HMAT	Matruh	
HMB	Hamburg	
HMBC	Humberston	
HM-BC	100 Mile House	
HMC	Holland Mills	
HMCY	Holy Mount Cemetery	
HMD	Hamada	
HMDC	Modica	
HMDM	Hanimaadhoo	
HMDT	Nahal Hemdat	
HMES	Hamm, Michael-Ende-School	
HMG	Houelmont	
HMH	Humuula	
HMK	Himekami	
HML	Hamilton	
HML1	Hamley Bridge	
HMM	Hamamatsu	
HMMJ	Hamamatsu 2	
HMN	Homestead National Monument	
HMNA	Hamren	
HMNO	Mineo	
HMNT	Holman	
HMNX	Herstmonceux	
HMO	H. Mason	
HMOM	Monterey	MTR
HMR	Hamilton Ranch	
HMRJ	Hamra	
HMSA	Hans M'sky res	
HMSM	Jabal Masmas	
HMT	Hamilton	
HMTC	Hemet	
HMTD	Hikami	
HMTJ	Hamta	
HMTT	Tlapaneco	
HMU	Henry Mountain	
HMV1	Hindmarsh Valley	
HMYD	Mayadein	
HN-	Houlton	HN-ME
HNAT	Natroun	
HNAZ	Hnaberd	
HNB	Haney	
HNG	Hongo	
HNH	Hanover	
HNHZ	Havelock North	
HNKL	Nakhl	
HNL	Honolulu	
HNM	Heniu Mare	
HNME	Houlton	
HN-ME	Houlton	
HNMJ	Hino-misaki	
HNR	Honiara	
HNSH	Hunish Island	
HNTI	Hanita	
HNV	Hanoi	
HNY	Hamilton	
HNZ	Havelock North	
HOBC	El Hobo	
HOBG	Hohbusch	
HOCH	Hornopire@15n	
HOD	Hodge	
HOF	Hof	
HOFF	Hoffen	
HOG	Hogback Mountain	
HOGG	Hoggard's Bluff	
HOGH	Ho	
HOH	Hohenheim	
HOI	Hoima	
HOJ	Hope	
HOJA	Cerro de Hojas	
HOK	Hohkeppel	
HOKE	Hokigiyama	
HOL	Holguin	
HOLB	Holberg	
HOLC	Holcomb Ridge	
HOLY	Holy Rosary School	
HOM	Homer	
HOMB	Homborsund	
HOME	McLaughlin Mine	
HOMI	Horasan	
HON	Honolulu	
HONK	Hondo	
HONU	Honeyville	
HOO	Hiroo	
HOOD	Mount Hood Meadows	
HOOJ	Hiroo 2	
HOP	Hope Bay	
HOPB	Hope	
HOPE	Hope Point	
HOPEN	Hopen	
HOPM	Mount Hope	
HOPOS	Hopovo Monastery	
HOPS	Hopland	
HOPT	Hopper	
HOQ	Hoqain	
HOQC	Horqueta	
HOR	Horta	
HORH	Horominai	
HORM	O'Connell Ranch	OCR
HORN	Hornachuelos	
HORNC	Hornillas	
HORT	Hortiatis	
HORU	Horodok	
HOT	Hot Springs Mountain	
HOU	Houston	
HOW	Howrah	
HOWZ	Holdsworth Station	
HPAH	Hawaii Preparatory Academy	
HPAR	Pala Acreide	
HPCM	Pacheco Lake	
HPE	Pembroke	
HPHM	Park Hill	PKH
HPI	Howe Peak	
HPIG		
HPK	Haverah Park	
HPKT	Knoxville	
HPLM	Pacheco Lake	PCL
HPLN	Hepburn Lake, NWT	
HPO	Honuapo	
HPP	Hepp	
HPRM	Peckham Road	PKC
HPU	Hale Pohaku	
HQL	Haql	
HQLS		
HQN	Harlequin Lake	
HQRH	Quien Sabe	QSR
HQRM		QSR
HQSR		
HR-	Heber	HR-AZ
HRAD	Harad	
HR-AZ	Heber	
HRB	Hurbanovo	
HRC	Harris Ranch	
HRD	Hirodai	
HRDDS		
HRDS	Abu Rudays	
HRF	Holter Research Foundation--Helena	
HRFI	Mount Harif	
HRG	Hirogawara	
HRH	Heinrich-Robert Mine	
HRI	Mount Hermon	
HRJ	Horyu	
HRK	Horoka	
HRM	Kawasaki	
HRMB	Harrison Mills	
HRMC	Merrill Creek	
HRMR	Khuramsha	
HRN	Horndal	
HRO	Hermiston	
HROE	Hohe Rhon--Flad	
HRRZ	Handcock Road	
HRSH	Kfar Ka'horesh	
HRT	Hereke	
HRTT	Hiratsu	
HRU	Hogsback Ridge	
HRUT	Hardware Ranch	HWUT
HRV	Adam Dziewonski Observatory	
HRY	Holter Research Foundation--York Bridge	
HS-	Hay Springs	HS-NB
HSA	Swansea	
HSAF	As Saff	
HSAM	Samen	
HSB	Akutan Spr's Bay	
HSFA	Helvecia	
HSFG		
HSFM	Saint Francis Retreat	
HSH	Hashikami	
HSHJ	Hashim	
HSHL	Bi'r Shalatayn	
HSI	Hsinkong	
HSIG		
HSJ	Hoshina	
HSK	Changchun	
HSLM	San Luis Dam	
HSMO	Haileybury School of Mines	
HSN	Hsinchu	
HS-NB	Hay Springs	
HSND	Hausen	
HSO	Harness Mountain	
HSP	Hornsund	
HSPB	Hornsund (broadband)	
HSPM	Sheep	
HSPR	La Hesperia	
HSR	South Ridge	
HSRS	Siracusa	
HSRZ	Hossack Road	
HSS	Hokkaido University	
HSW	Hot Spot	
HSY	Hisarkoy	
HT-	Hastings	HT-MN
HTC	Hot Caves	
HTCH	Hutch Mountain	
HTCR	Hilton Creek	
HTG	Hatgal	
HTK	Hotokeiwa	
HTL	Hartland	
HT-MN	Hastings	
HTMS	Hat Mesa	
HTN	Hohentengen	
HTQ	Hauterive	
HTR	Trewern Hill	
HTT	Hallett	
HTU	Hoyt Peak	
HTW	Haystack Lookout	
HTY	Hatay	
HUA	Huancayo	
HUAR	Huara	
HUBA	Hudson Bay High School ANSS-SMO	
HUCH	Huasco	
HUDU	Hudiksvall	
HUEN		
HUES	Huehuecho	
HUG	Huitzitzil	
HUH	Hualalai	

Code	Station Name	Other
HUIG	Huatulco	
HUL	Heiheiahulu	
HUMM	Hume Dam	
HUMO	Hull Mountain	
HUMP	Col San Antonio	
HUMR	Humele	
HUN	Hundersingen	
HUNY	Huinay	
HUO	Hudson	
HUOR	Husband	
HUR	Hurricane	
HURP	Huarmaca	
HUSU	Husum	
HUTI	Huta Ginjang	
HUTZ	Huka	
HUV	Hue	
HUZ	Huaraz	
HV-	Havre	HV-MA
HVA	Hanceville	
HVAR	Hvar	
HVC	Hernandez Valley	
HVD	Gariep Dam	
HVK	Hallstavik	
HVL	Huntoon Valley	
HV-MA	Havre	
HVO	Hawaiian Volcano	UWE
HVS	Khovu-Aksy	
HVU	Hansel Valley	
HVZN	Vizzini	
HW-	Hawaii Isl. Ar.	HW-IS
HWA	Hwalien	
HWAP	Hualien Port	
HWB	Hans Werner Braun Residence, San Diego	
HWD	Hollywood	
HWF	Haulerwijk	
HWF1	Haulerwijk	
HWF2	Haulerwijk	
HWF3	Haulerwijk	
HWF4	Haulerwijk	
HW-IS	Hawaii Isl. Ar.	
HWK	Hiawatha	
HWKN	Hawk's Nest	
HWQ	Hawqa	
HWSI	Howe Scarp	
HWSM	Haiwee Spring South	
HWTS	Hohenwarte Talsperre	
HWUT	Hardware Ranch	
HWV	Hinton	
HWYS	Al Hawiyah	
HWZ	Hwange	
HXI	Guiyang	GYA
HY-	Hysham	HY-MA
HYA	Hoyanger	
HYB	Hyderabad	
HYBB	Hyderabad (broadband)	
HYC	Haney	
HYD	Hyderabad	
HYF	Humbligny	
HY-MA	Hysham	
HYS	Haystack Butte	
HYT	Haines Junction	
HYX	Hoyt Mine	
HZA	Huzimizaka	
I02A	Mapleton	
I02AR	USHUAIA INFRASONIC ARRAY REFERENCE POINT	
I03A	Eugene	
I03D	Drain, OR	
I04A	Tendick Farm, Oakridge	
I04AU	SHANNON INFRASONIC ARRAY REFERENCE POINT	
I05A	Bend	
I05AU	HOBART INFRASONIC ARRAY REFERENCE POINT	
I05D	Terrebonne, OR	
I06A	Prineville	
I07A	Izee	
I07AU	WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	
I08A	Drewsey	
I08BO	LAS PEÑAS INFRASONIC ARRAY REFERENCE POINT	
I09A	Lost Marbles Ranch, Westfall	
I09BR	BRASILIA INFRASONIC ARRAY REFERENCE POINT	
I10A	Payette	
I10CA	LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	
I11A	Placerville	
I11CV	MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT	
I12A	Atlanta	
I13A	Wildhorse Creek, Mackay	
I13CL	EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	
I14A	Mackay	
I14CL	ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT	
I15A	Monteview	
I16A	Newdale	
I17A	Pilgrim Ck.	
I17CI	DIMBOKRO INFRASONIC ARRAY REFERENCE POINT	
I18A	Diamond G Ranch, Dubois	
I18DK	QAANAAQ INFRASONIC ARRAY REFERENCE POINT	
I19A	Meeteetse	
I20A	Worland	
I21A	Big Trails, Ten Sleep	
I21FR	MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	
I22A	9 Mile Ranch, Kaycee	
I22FR	PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	
I23A	Meade Ranch, Gillette	
I23FR	KERGUELEN INFRASONIC ARRAY REFERENCE POINT	
I24A	Kuemmerle Ranch, Upton	
I24FR	TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	
I25A	Rochford	
I26A	New Underwood	
I26DE	FREYUNG INFRASONIC ARRAY REFERENCE POINT	
I27A	Quinn	
I27DE	GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	
I28A	Midland	
I29A	Vivian Onida	
I30A	Oacoma	
I30JP	ISUMI INFRASONIC ARRAY REFERENCE POINT	
I31KZ	AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	
I32KE	NAIROBI INFRASONIC ARRAY REFERENCE POINT	
I33MG	ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT	
I34MN	SONGINO INFRASONIC ARRAY REFERENCE POINT	
I35NA	TSUMEB INFRASONIC ARRAY REFERENCE POINT	
I36NZ	CHATHAM INFRASONIC ARRAY REFERENCE POINT	
I39PW	PALAU INFRASONIC ARRAY REFERENCE POINT	
I41PY	VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	
I42PT	GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	
I43RU	DUBNA INFRASONIC ARRAY REFERENCE POINT	
I44RU	ROPAVLOVSK-KAMCHATSKY KY INFRASONIC ARRAY REFERENCE POINT	
I45RU	USSURIYSK INFRASONIC ARRAY REFERENCE POINT	
I46RU	ZALESOVO INFRASONIC ARRAY REFERENCE POINT	
I47ZA	BOSHOF INFRASONIC ARRAY REFERENCE POINT	
I48TN	KESRA INFRASONIC ARRAY REFERENCE POINT	
I49GB	TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	
I50GB	ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	
I51GB	BERMUDA INFRASONIC ARRAY REFERENCE POINT	
I52GB	DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	
I53US	FAIRBANKS INFRASONIC ARRAY REFERENCE POINT	
I55US	WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	
I56US	NEWPORT INFRASONIC ARRAY REFERENCE POINT	
I57US	PINON FLAT INFRASONIC ARRAY REFERENCE POINT	
I59US	HAWAII INFRASONIC ARRAY REFERENCE POINT	
IAA	In Amguel	
IACL	Alicudi	
IACM	Heraklion	
IADA	Aoalbol	
IAE	Cedar City, Iron County	
IAFJ	Afjeh	
IAG	Institut Agronomique	
IAKL	Akhelmad	
IALA	Alasht	
IALF	Alftagrof	
IAND	Andimeshk	
IANJ	Anjilo	
IAS	Iasi	
IASB	A@15sbjarnarstat ir	
IASK	Askja	
IASM	Asmuli	
IASO	Asolfsskalaheidi	
IAV	Isla Aves	
IAZR	Azarshahr	
IBAF	Bafgh	
IBAR	Ibarra	
IBAV	Isla La Blanquilla	
IBBE	Ibbenbueren East	
IBBN	Ibbenburen	
IBBS	Ibbenbueren South	
IBDR	Badra	
IBJA	Bjarnastaoir	
IBK	Innsbruck	
IBND	Bandar-abas	
IBP	Imperial Boulder Park	
IBRE	Brettingsstaoir	
IBRJ	Brojen	
IBRU	Bruarjokull	
IBST	Bostanabad	
IBU	Ibuki Yama	
IBZA	Bozab	
IC-	Ice Cap	IC-GL
ICA	Ica	
ICC	Iquique	
ICCO	Coco Island	
IC-GL	Ice Cap	
ICH	Ichihara	
ICHK	Chekchek	
ICI	Italian Canyon	
ICM	Isla Caja Muertos	
ICMP	Isla Caja de Muertos, Puerto Rico	
ICO	Isla del Coco	
ICQ	Pointe Anglais	
ICR	Volcan Irazu	
ICU	Indian Springs Canyon	
ICY	Ichiyama	
ID1	Idaho Array 1	
ID2	Idaho Array 2	
ID3	Idaho Array 3	
ID4	Idaho Array 4	
ID5	Idaho Array 5	
IDA	Idaho Array	
IDAH	Dahanechah	
IDC	Isla del Cano	
IDE	Isla Desecheo	
IDGL	Inch Island, Co Donegal	
IDHR	Dehrash	
IDI	Anoyia	
IDID	Didziasalis	
IDIM	Dimmadalsˆ¡s	
IDJZ	Idjevan	
IDMV	Damavand	
IDOB	Doab	
IDR	Idriss Premier	
IDSA	Dashabbas	
IECU	Ecuador Network	
IELO	Elcoad	
IEMG	Emamgholi	
IENR	Iengra	
IEPA	Eparoz	
IESK	Eystri-Skogar	
IESO	Jesolo	
IFAG	Fagurholsmyri	
IFIL	Filicudi I Eolie	
IFIR	Firoozkooh	
IFLA	Flatey	
IFR	Ifrane	
IFTB	Fath-abad	
IGAB	Igarata	
IGAR	Gharneh	
IGBI	Denpasar	
IGGU	Iggoen	
IGHA	Grjothals	
IGHG	Ghaleghazi	
IGHS	Grjothals	
IGIG	Irapuato, Guanajuato	
IGIL	Gilhagi	
IGL	Igloolik	
IGLA	Glengowla, Co Galway	
IGLN	Igloolik	
IGLO	Ghaloghah	
IGLU	Glumsstadir	
IGM	Isla Guadalupe	
IGOD	Go??abunga	
IGR	Igron	
IGRA	Granastaoir	
IGRF	Grimsfjall	
IGRI	Grimsey	
IGRS	Grimsstaoir	
IGRV	Grindav??k	
IGT	Igoumenitsa	
IGUA	Igualata	
IGYG	Gygjarholskot	
IGZV	Ghazvin	
IHA	Instituto Hidrografico de la Armada	
IHAU	Haukadalur	
IHC	Ixhuatan	
IHED	Heoinshofoi	
IHEI	Heioarbar	
IHLA	Hella	
IHLN	Indian Hill Lake	
IHOS	Hoseineyeh	
IHR	Ishihara	
IHRN	Hraun	
IHRS	Heris	
IHSB	Hasanabad	
IHSH	Hashtrud	
IHVA	Hvannstoosfjoll	
IHVE	Hveravellir	
IHVO	Lagu-Hvolar	
IIA	Altzomoni	
IIB	San Bernardino	
IIC	Rita Coyotepec	
IID	Iida	
IIDJ	Iida	
IIGN	Ignalina	
III	Iguala	
IIJ	Jocotitlan	
IIM	Instituto de Ingenieria, UNAM	
IIO	Organos	
IIP	El Pino	
IIS	IISEE	
IISM	Ciudad Serdan	
IIT	Tonantzintla	
IIZ	Mezontepec	
IJDJ	Iida	IIDJ
IJF	Islas Juan Fernandez	
IK-	Ink	IK-AR
IKAL	Kalfafell	
IKAR	Kharkheh	
IK-AR	Ink	
IKAS	Kald??rsel	
IKAZ	Kazeroun	
IKFM	Kafar-mosalman	
IKIA	Kiasar	
IKJ	Ikusaka	
IKL	Isikli	
IKLH	Kolahrood	
IKMR	Kamar-syah	
IKOM	Komasi	
IKOO	Kooshah	
IKP	Inkopah	
IKRD	Kardeh	
IKRE	Kreppuhraun	
IKRI	Krysuvik	
IKRK	Kirkuk	
IKRO	Krokur	
IKUD	Kuludalsa	
IKVO	Krokottuvotn	
IKZ	Isoka	
IL01		IL1
IL02	Eielson Array Site 2	
IL03	Eielson Array Site 3	
IL04	Eielson Array Site 4	
IL05	Eielson Array Site 5	
IL06	Eielson Array Site 6	
IL07	Eielson Array Site 7	
IL08	Eielson Array Site 8	
IL09	Eielson Array Site 9	
IL1	Eielson Array Site 1	
IL10	Eielson Array Site 10	
IL11	Eielson Array Site 11	
IL12	Eielson Array Site 12	
IL13	Eielson Array Site 13	
IL14	Eielson Array Site 14	
IL15	Eielson Array Site 15	
IL16	Eielson Array Site 16	
IL17	Eielson Array Site 17	
IL18	Eielson Array Site 18	
IL19	Eielson Array Site 19	
IL31		ILB
ILA	Ilan	
ILAR	Eielson Array Beam Reference Point	
ILAS	Lasjerd	
ILB	Eielson Array Broadband	ILAR
ILCA	Isla Las Cabras	
ILCH	Illapel	
ILEI	Leirhofn	
ILG	Inge Lehmann	IC-GL
ILGA	Ilgaz	
ILI	Ili	
ILIC	ilic-Erzincan	
ILIM	Iliamna	
ILIN	Lien	
ILIQ	Lip Q Pani IE	
ILKN	Indian Lake	
ILM	Iliamna	
ILMG	Lip M Gallina IE	
ILN	Island Lagoon	
ILO	Iloilo	
ILOC	Iloca	
ILON	Igloolik, Nunavut	
ILS	Iliamna Low South	
ILT	Iul'tin	
ILUG	Ilulissat, Greenland	
ILULI	Ilulissat	
ILW	Iliamna West	
IM01	Indian Mountain Array Site 1	
IM02	Indian Mountain Array Site 2	
IM03		IM3
IM04	Indian Mountain Array Site 4	
IM05	Indian Mountain Array Site 5	
IM3	Indian Mountain Array Site 3	
IMA	Indian Mountain	
IMA2	Indian Mountain	
IMAH	Mahabad	
IMAR	Indian Mountain Array Beam Reference Point	
IMAT	Imadeyama	
IMEH	Mehriz	
IMEL	Melhnausar	
IMG	Imagane	
IMHD	Mahdasht	
IMI	Imperia	
IMID	Miomork	
IMIN	Minoodasht	
IMJ	Imajo	
IMK	Imi Mikki	
IMKO	Mokollar	
IML	Ismayilli	
IMM	Islas Marias	
IMMV	Iera Moni Metamorfosis, Varipetro, Chania, Crete	
IMND	Minoodasht	
IMO	Isla Mona	
IMOB	Isla Mona	
IMOG	Moghan	
IMOK	Mouk	
IMOL	Imola, Italy	
IMON	Monand	
IMOV	Isla Los Monjes	
IMP	Imphal	
IMPR	Mona Island, PR	
IMR	Isla Mona	
IMRD	Marand	
IMS	Imsbach	
IMT	Isola di Marettimo	
IMU	Iron Mountain	
IMW	Indian Meadow	
IMYA	Miami	
IN1	Indiana Array	
IN2	Indiana Array	
IN3	Indiana Array	
IN4	Indiana Array	
INA	Iinan	
INB	Inubo	
INC	Inchon	
INCN	Inchon	
INCR	INCERC-Sediu Central	
IND	Independence	
INDC	Indio Hills	
INDN	Indianola	
INE	Iliamna NE	
INF	Infanta	
ING	Ingram Ranch	
INGI	Ingas	
INH	Isangel	
INK	Inuvik	
INMG	Instituto de Meteorologia, Lisbon	
INMK	Ichinomiya	
INN	Innsbruck	
INPP	Ignalina Nuclear	
INR	Itanagar	
INS	Inspiration	
INSR	Institute	
INTR	Introdacqua	
INTV	Intevep	
INU	Inuyama	

Code	Station Name	Other
INUQ	Inukjuak	
INV	Inveralochy	
INVG	Invergeldie, Comrie	
INW	Iliamna NW	
INY	Ithaca	
INYL	Nylenda	
INZ	Inchbonnie	
IO-	Ione	IO-NV
IOCA	Ischia Osservatorio Casamicciola	
IO-NV	Ione	
IPA	Ipanguacu	
IPAN	Panarea IE	
IPAR	Pars	
IPAY	Payeh	
IPE	Ipeti	
IPES	Pescosannita	
IPIL	Ipil	
IPIR	Pirpir	
IPM	Ipoh	
IPOZ	Pozzuoli	
IPRE	Itoiz	
IPRN	Peran	
IQHU	Qucahn	
IQOM	Qom	
IQQ	Iquique	
IR1	Iran Long-Period Array	
IR2	Iran Long-Period Array	
IR2C	Iron Canyon	
IR3	Iran Long-Period Array	
IR4	Iran Long-Period Array	
IR5	Iran Long-Period Array	
IR6	Iran Long-Period Array	
IR7	Iran Long-Period Array	
IRAM	Ramesheh	
IRAZ	Razeghan	
IRC	Iron Canyon	
IRCI	INEL Research	
IREN	Reynihlio	
IRI	Irimote jima	
IRIF	Iriomote-Funauki	
IRJU	Rjupnafell	
IRK	Irkutsk	
IRM	Iron Mountain Pumping Sta,Desert Center	
IRN	Iron Mountains	
IRNE	Reykjanes	
IRO	Indian Ridge	
IRS	Iris	
IRSH	Iranshahr	
IRZ	Volcan Irazu	
IRZ2	Volcan Irazu 2	
ISA	Isabella	
ISAD	Sadrabad	
ISAL	Salakas	
ISAN	Sandskeio	
ISAU	Saurbar	
ISAV	Santa Isabel	
ISBA	Islamabad	
ISCO	Idaho Springs	
ISE	Ise	
ISF	Isfjord	
ISFB	Sefidab	
ISFR	Sfrayin	
ISH	Ishtion	
ISHB	Shabestar	
ISHM	Shahmirzad	
ISHO	Shoshtar	
ISHR	Shahran	
ISHV	Shirvan	
ISI	Ishigaki jima	
ISIG	Siglufjorour	
ISIK	Ishii	
ISK	Istanbul-Kandilli	
ISKI	Skildingahˆ‡lshraun	
ISKR	Skrokkalda	
ISL	Ismayilll	
ISLE	Juniper Island	
ISLN	Salina IE	
ISLY	Slysaalda	
ISM	Ismayilli	
ISMJ	Smjorgil	
ISN	Ishinomaki	
ISNB	Snabyli	
ISNN	Isanotski North	
ISO	Isola	
ISOG	Isortoq, Greenland	
ISOL	Solvholt	
ISOR	Termini	
ISP	Isparta	
ISPL	Str Punta Lena IE	
ISPT	Isla de la Plata	
ISQ	Mount Isa	
ISR	Istrita	
ISRB	Sarab	
ISRF	Istric ta	
ISRO	Mashad	
ISRV	Sarvestan	
ISSF	Issarbe	
IST	Istanbul	
IST1	Istanbul	
IST3	Stromboli F	
ISTK	Isanotski	
ISTP	Stromboli Pizzo	
ISTR	Stromboli Ginostra	
ISU	Indiana State University	
ISVA	Svartarkot	
ITA	Itatiaia	
ITAN	ITANAGAR	
ITB	Itaipu	
ITB1	Itaipu 1	
ITB7	Itaipu 7	
ITBT	Itumba	
ITBZ	Tabriz	
ITD	Itadori	
ITEG	Tejag	
ITEV	Isla Los Testigos	
ITG	Itzapa	
ITGE	Itoigawa	
ITH	Ithaca	
ITHO	Ithomi	
ITKT	Itaka	
ITM	Ithomi	
ITO	Ito	
ITR	Itaparica	
ITU	Istanbul	
ITZ	Itezhi-Tezhi	
IUNC	Unciti	
IUSE	Utxeti	
IVA	Berane	
IVAG	Clark Hill Reservoir	
IVAS	Ivanjica	
IVAT	Vatnsfell	
IVCR	Vulcano Cr IE	
IVE	Iliamna Volcano East	
IVES	Vestmannaeyjar	
IVF	Ivanof Bay	
IVI	Ivigtut	
IVIS	Veis	
IVIV	IVIC	
IVKQ	Ivujivik	
IVLT	Vulcano Lentia IE	
IVN	Inveralochy	
IVOG	Vogar	
IVOS	Vogsosar	
IVRN	Varamin	
IVS	Iliamna South	
IVSH	V-Sauoahnukur	
IVSM	Inverness	
IVT	Ira	
IVUG	Vulcano Grillo IE	
IVY	Inveralochy	
IWEX	Carrickbyrne, Co Wexford	
IWJ	Iwai-Kita	
IWK	Iwaki	
IWN	Iwanai	
IWO	Iwaosan	
IWT	Iwatsuki	
IXC	Ixtacomitan	
IXG	Ixpaco	
IXT	Ixtapalapa	
IZAR	Zarasai	
IZEF	Zefreh	
IZI	Iznik	
IZK	Iizuka	
IZM	Izmir	
IZMH	Iizume	
IZN	Iznik	
IZT	Izumi	
IZU	Izuhara	
IZU2	Izuhara 2	
IZUJ	Izuhara	
IZUN	Zunzarren	
J02A	Umpqua	
J03A	Ideyld Park	
J04A	Umpqua National Forest, Toketee	
J04D	Umpqua National Forest, Toketee, OR	
J05A	Fort Rock	
J05D	Fort Rock, OR	
J06A	Christmas Valley	
J07A	Hines	
J08A	Circle Bar Ranch, Crane	
J09A	Fry Pan Ranch, Harper	
J10A	Berg Farm, Melba	
J12A	Stokes Ranch, Hill City	
J13A	Cove Ranch, Picabo	
J14A	Carey	
J15A	Blackfoot	
J16A	Bone	
J17A	Brown Place, Jackson	
J18A	Kendall Valley, Cora	
J19A	Crowheart	
J20A	Shoshoni	
J21A	Lysite	
J22A	Midwest	
J23A	Dilts Ranch, Bill	
J24A	Dixon Ranch, Lance Creek	
J25A	Sunshine Ranch, Edgemont	
J26A	Sides Ranch, Smithwick	
J27A	Elkhorn Farm, Martin	
J28A	Allard Ranch, Norris	
J29A	Okreek	
J30A	Dallas	
JA-	Jasper	JA-MN
JAA	Atsumi	
JAB	Ashibetsu	
JAC	Jacksonville	
JACH	Jahuel	
JACV	Jacura	
JAD	Aida	
JAG	Ashikaga	
JAGI	Jajag, Banyuwangi	
JAGN	Aguni-jima	
JAH	Hinai	
JAI	Aioi	
JAJ	Awaji shima	
JAJ2	Tsuna	
JAK	Akkeshi	
JAKH	Jacmel	
JALM	Almaden	AMC
JAM	Amami Oshima	
JAMA	Jama	
JAMN	Amaminishikomi	
JA-MN	Jasper	
JAN	Janina	
JAND	Jandula	
JANG	Nango	
JAO	Obara	
JAQ	La Grande 3	
JAR	Ashorobuto	
JARJ	Jarash	
JAS	Jamestown	
JAS1	Jamestown	
JASL	Jaisalmer	
JAT	Jato	
JATB	Jatai	
JAU	Jaout	
JAUF	Jausiers	
JAVC	Velka Javorina	
JAVS	Javornik	
JAW	Awa shima	
JAWL	J.Aulia	
JAY	Jayapura	
JAZS	Jizan	
JBB	Jbel Babet	
JBBQ	Temiscaming	
JBCM	Bear Creek Road	LT15
JBEP	Beppuamama	
JBGM	Bear Gulch	BGH
JBLM	Camp Ben Lomond	
JBMM	Black Mountain	
JBO	Jordan Butte	
JBP	Jabalpur	
JBQ	La Grande 3	
JBRM	Jenolan Black	
JBT	Biratori	
JBT2	Biratori 2	
JBZM	Buzzard Lagoon Road	
JCBM	Chesbro Res.	CBO
JCC	Jacoby Creek	
JCE1	John's Creek	
JCH	Churui	
JCHM	Cahill Ridge	
JCJI	Jatiwangi	
JCK	Jackerath	
JCM	Jocotitlan	
JCMO	Jefferson College	
JCN	Nagara	
JCNB	Joaquin Canyon North	
JCPM	Coyote Point	
JCQ	La Grande 3	
JCR	Jicaral	
JCSB	Joaquin Canyon South	
JCT	Junction City	
JCW	Jim Creek	
JCZ	Jackson Bay	
JDC	Jersey Dam (Crest)	
JDG	Jersey Dam (Gallery)	
JDN	Jardin	
JDRJ	Daraweish	JRDJ
JE-	Jena (USA)	JE-LA
JECB	Eureka Canyon	
JECI	Jenson Cabin	
JECM	Eureka Canyon	EUC
JEF	Cerro Jefe	
JEG	Eigenji	
JEGM	El Granada	
JEHI	Jehsanih	
JE-LA	Jena	
JELM	Ellicott	
JEM	Erimo	
JEN	Jena	
JENM	Jeeralang Junction	
JER	Jerusalem	
JERN	Jeri Cho Mine, NWT	
JET	Tanbara	
JEW	Eniwo	
JFA	Akaike	
JFI	Itaya	
JFK	Kawauchi	
JFM	Mihama	
JFO	Juiz de Fora	
JFR	Furan	
JFS	Joseph F. Staten	
JFT	Otama	
JFU	Fukue jima 2	
JFWS	Jewell Farm	
JFY	Yanaizu	
JGF	Kuroka	
JGI	Juniper Gulch	
JGK	Kuni	
JGM	Miyama	
JGN	Niukaw	
JGT	Gotsu	
JHA	Jbel Lahdid	
JHBN	Jahan bin	
JHC	Johnson Canyon	
JHCJ	Hachijojimakashitate	
JHD	Hondo	
JHE	Heguri	
JHG	Hegura jima	
JHHJ	Haha-jima-NKT	
JHI	Jorhat	
JHIK	Hikimi	
JHJ	Hachijo jima 2	
JHJ2	Mitsune	
JHK	Hiroka	
JHLM	Holstrom Ranch	
JHLN	Al Jahlan	
JHM	Kurahashi	
JHMK	Hamakita	
JHN	Johnson	
JHNI	Jhansi	
JHO	Hitachi	
JHP	Judd Hill Plantation	
JHPM	Huddart Park	
JHR	Hokuryu	
JHRM	Jahrom	
JHS	Saijyo	
JHT	Toyohira	
JHU	Hanno	
JHY	Hiyama	
JIDR	Jimani	
JIE	Ise	
JIG	Jinotega	
JIH	Iheya	
JII	Iki	
JIJ	Ishigaki jima 2	
JIKM	Ikemajima	
JIL	Jilotepec	
JIM	O shima 2	
JIM2	Oshima 3	
JIN	Jindabyne	
JIND	Jindrichovice	
JIO	Ouri	
JIRB	Irabujima	
JIRN	Jiri	
JIS	Juneau Island	
JISG	Ishigakijimahirakubo	
JIU	Izumi	
JIU2	Izumi 2	
JIW	Iwasaki	
JIZ	Nakaizu	
JIZN	Jizan	
JIZS	Izushimoda	
JIZZ	Izumozaki	
JJG	Jouge	
JJH	Hakui	
JJK	Kushima	
JJN	Nakama	
JJO	Oda	
JJOM	Saint Joseph's Hill	
JJRM	Joaquin Road	
JJS	Sakaide	
JJT	Tamagu	
JJT2	Tamagusuku 2	
JKA	Kamikawa-asahi	
JKB	Kayabe	
JKC	Kuchinoerabu	
JKD	Kudamatsu	
JKE	Kume jima 2	
JKG	Kaga	
JKI	Kunimi	
JKIT	Kitakata	
JKJ	Kijyo	
JKK	Kamikawa	
JKK2	Kamakawa 2	
JKKG	Kakegawa	
JKM	Jackman	
JKN	Kiinagashima	
JKN2	Miekihoku	
JKO	Kozu shima	
JKR	Kurayoshi	
JKRS	Kuro-shima	
JKS	Kasai	
JKSM	Kasumi	
JKT	Katashina	
JKU	Kubokawa	
JKY	Yasaka	
JKZ	Kuzumaki	
JLAB	Laurel Hill	
JLAM	Laurel Hill	
JLDW	Jackson Lake Dam	
JLK	June Lake	
JLOS		
JLP	Les Platons	
JLPM	Loma Prieta	
JLTM	Los Trancos	LTW
JLU	Jordanelle	
JLXM	Lexington Res.	LXR
JMAG	Jamag	
JMB	Yambol	
JMBI	JAMBI	
JMD	Masuda	
JMDO	Jabal Madar	
JMG	Jumaytepeque	
JMGM	Milagra Ridge	MGA
JMH	Hososhima	
JMI	Jan Mayen	
JMIC	Jan Mayen	
JMIK	Miki	
JMJ	Miyako jima 2	
JMK	Ichinoseki	
JMM	Marumori	
JMN	Monobe	
JMOS	Jabal al Moallq	
JMP	Maruseppu	
JMPM	Menlo Park	
JMQS	Jabal Moqyreh	
JMT	Mikata	
JMU	Jammu	
JMY	Miyakejima3	
JMZ	Minamidaito 2	
JN-	Johnston I.	JN-IS
JNA	Nagahama	
JNAM	New Almaden Mine	
JNAR	Kushima--Naru	
JNB	Noboribetsu	
JNBK	Urakawa-nobuka	
JNE	Jan Mayen East	
JNG	Nsakai	
JNH	Juniper Hills	
JNI	Jehonathan	
JNIO	Niijimaoohara	
JN-IS	Johnston Island	
JNJ	Junjel	
JNK	Nakash	
JNL	Jenolan Caves	
JNM	Ikuma	
JNN	Nakanoshima	
JNS	Sasagawa	
JNT	Takato	
JNTH	Nagotoyohara	
JNU	Nakatsue	
JNW	Jan Mayen West	
JNY	Yasuok	
JO-	Jordan	JO-MN
JOAQ	Joaquin Lookout	
JOB	Onbets	
JOD	Odawara	
JOD2	Odawara 2	
JOE	Joensuu	
JOF	Joensuu	
JOG	Oga	
JOG2	Oga 2	
JOGS	Gusukube	
JOH	Johannesburg	
JOHAN	St. Johann (BS)	
JOHN	Johnston Island	
JOI	OKI	
JOK	Jbel Ouklim	
JOKE	Okinoerabujima	
JOL	Jolon Road	
JOM	Ohasama	
JO-MN	Jordan	
JON	Johnnie	
JOPP	Joppolo	
JOR	Okushj	
JOR1	San Jorge 1	
JORD		
JORG	San Jorge	
JORH	JORHAT	
JORV	Jorden Valley SMO	
JOS	Josvafo	
JOSI	Joshimath	
JOSM	Okushiri--Matsue	
JOSN	Second Sedna Site,Hudson Bay	
JOSR	Joseni	
JOT	Ohata	
JOU	Okura	
JOW	Kunigami	
JOZ	Jozini	
JP-	Jasper	JP-AT
JP-AT	Jasper	
JPK	Jack Peak	
JPLM	Pleasant Valley	PEV
JPPM	Portola Park	LT3
JPRM	Presidio of San Francisco	PSD
JPSM		
JQE	Queens East	
JQX	Jiquilpan	
JR-	Jerome	JR-AZ
JRA	Rausu	
JR-AZ	Jerome	
JRBB	Jordan River	
JRDJ	Daraweish	
JRG	Rokugo	
JRGM	Rodeo Gulch Road	
JRO	Jston Ridge Obs	
JRQG	Juriquilla Campus	
JRR	Rishiri	
JRRM	Redwood Retreat	
JRS	Jersey	
JRSC	Jasper Ridge	
JRSJ	J Risha	
JRTX	Jordan Ranch	
JRWM	Joshua Ridge West	

Code	Station Name	Other
JRY	Ryogami san	
JS-	Jackson	JS-TN
JSA	Saint Aubin	
JSAM	San Andreas	SAC
JSB	Shiboa	
JSBM	San Bruno Mountain	
JSC	Jenkinsville	
JSCM	Stevens Creek	SEC
JSD	Sado	
JSE	Soyaes	
JSFM	Stanford	SFT
JSG	Sagara	
JSGM		SGC
JSH	Shimam	
JSI	Shiura	
JSI2	Shiura 2	
JSJ	Shimokoshiki	
JSJM	St Joseph	SJH
JSK	Shakotan	
JSLM	San Andreas Lake	
JSM	Jim Sage Mountain	
JSMM	Sawmill Road	
JSOJ	Natural Resources Authority	
JSR	Shiriuchi	
JSRW	J. Sargeant Reynolds Community College	
JSS	Shosan	
JSSM	Soda Springs	SOS
JSTM	Santa Teresa Hills	
JS-TN	Jackson	
JSU	Suzuyama	
JSZ	Suzu	
JTA	Tamana	
JTAJ	Takarajima	
JTB	Tobi-shima	
JTG	Taga	
JTGM	Trout Gulch Road	
JTH	Tanohata	
JTJ	Tarama	
JTK	Tokunoshima	
JTKR	Abashiri--Tokoro	
JTM	Tenmabayashi	
JTMT	Jette	
JTN	Tanegashima 3	
JTO	Tosashimizu	
JTR	Joshua Tree Park	
JTRM	Los Trancos Road	
JTS	JuntasAbangares	
JTSN	Tsuno	
JTSR	Tashiro 2	
JTT	Ttatey	
JTU	Tsushima	
JTY	Toyota	
JTZ	Takazaki	
JU-	Juno	JU-TX
JUA2	San Juan 2	
JUAN	San Juan	
JUBA	Jubany	
JUCM	University of California, Santa Cruz	
JUD	Juan Diaz	
JUD2	Juan Diaz 2	
JUE	Julich	
JUG	Jugenheim	
JUI3	Juive 3	
JUI6	Juive	
JUIV	Juive	
JUJ	Jujuy	
JULC	Julian	
JUM	Jug	
JUMM	Mount Umunhum	
JUND	Jungingen	
JUQB	Juquia	
JUR	Ureshino	
JUS	Usuki	
JU-TX	Juno	
JVI	Jordan Valley	
JVM	Valle D.L. Mare	
JVW	Jocassee View	
JWA	Jwalamukhi	
JWK	Wakkake-Misaki	
JWK2	Keihoku	
JWL	Jwalamukhi	
JWM	Minabe	
JWSM	Woodside	WDS
JWT	Wachi	
JWY	Kouya	
JWZ	Kozaga	
JYA	Atsumi	
JYAK	Yakushimahirauchi	
JYG	Yagishiri	
JYJ	Yonaguni jima 2	
JYK	Kaneyama	
JYM	Yakumo	
JYM2	Yakumo 2	
JYN	Shimob	
JYNG	Yonagunijimakubura	
JYO	Yokosk	
JYP	Jyotipuram	
JYS	Shirataka	
JYSA		
JYT	Yasato	
JYW	Yuwa	
JYZW	Yoshizawa	
JZK	Kikaishima	
JZO	Okuchi	
K01	Nishinai	
K01A	Sixes	
K02	Yamasaki	
K02A	Glendale	
K03	Shimotochinai	
K04	Kokoji	
K04A	Chilquin	
K04D	Chiloquin, OR	
K05	Ishipane	
K05A	Summer Lake	
K06	Arakawa	
K06A	Valley Falls	
K07	Kotohata	
K07A	Rock Creek Ranch, Frenchglen	
K08	Monomi-yama	
K08A	Mann Creek Ranch, Princeton	
K09	Ooide	
K09A	Rome	
K10	Oonodaira	
K10A	MacKenzie Ranch, Jordan Valley	
K11	Fujikirizawa	
K11A	Parker Ranch, Bruneau	
K12	Koide	
K12A	Draper Farm, Castleford	
K13A	Stover Farm, Hazelton	
K14A	Jones Ranch, Declo	
K15A	Arbon	
K16A	Soda Springs	
K17A	Gardner Place, Afton	
K18A	Toltan Ranch, Big Piney	
K19A	Absolon Red Butte, Lander	
K20A	Yellowstone Ranch, Lander	
K21A	Alcova	
K22A	Casper	
K23A	Bowen Ranch, Douglas	
K24A	Anderson Ranch, Keeline	
K25A	Mack Ranch, Harrison	
K26A	Motz Farm, Whitney	
K27A	Flueckinger Farm, Gordon	
K28A	Ten Mile Ranch, Cody	
K29A	Lazy Trails Angus Ranch, Wood Lake	
K30A	Basset	
KAA	Karratha	
KAAM	Kaadhehdhoo	
KAAO	Kabul (SRO)	KBL
KAAZ	Kauri Point	
KAB	Kabansk	
KABR	Katmai Barrier Ridge	
KABU	Katmai Buttress	
KAC	Achnashellach	
KACW	Kace¯ov	
KAD	Karad	
KADD	Katsuyama	
KAE	Kaena	
KAF	Kangasniemi	
KAG	Kagoshima	
KAGJ	Kagoshima 2	
KAH	Kaushut	
KAHC	Katmai Hardscrabble Creek	
KAHG	Katmai Hook Glacier	
KAHT	Ahir Dag	
KAHZ	Kahuranaki	
KAI	Kaimata	
KAIC	Katmai Ikagluik Creek	
KAIM	Kayak Island	
KAJ	Kashiwara	
KAJD	Katsuyama	
KAK	Kakioka	
KAKA	Kakadu	
KAKJ	Kakioka Outpost	
KAKN	Katmai Knife Crk	
KAL	Kalocsa	
KALE	Kalithea	
KALG	Kalgarh	
KALI	Kaliastana	
KALP	Kalibo	
KALU	Kalix	
KAM	Kameyama	
KAMOR	Kamor	
KAMR	Kamenskoye	
KAMRY	Kamaran Island	
KAMS	Al Khamasin	
KAMT	Kaman	
KAMZ	Kamo	
KAN	Kanazawa	
KAN2	Kanazawa 2	
KAND	Kocaeli-Kandira	
KANH	Kanahau	
KANJ	Kanazawa	
KANM	Kanangra Walls	
KANO	Kano Inlet	
KANT	Kantara	
KAO	Kapuskasing	
KAP	Karpathos	
KAPH	Katmai Pasha	
KAPI	Kappang	
KAPO	Kapuskasing	
KAPZ	Kaputan	
KAQ	La Grande 4	
KAR	Karachi	
KAR1	Arisaig	
KARA	Karaisali	
KARD	Karad	
KARJ		
KARM1	KARONGA	
KARN	Karanos	
KARP	Karpathos	
KARR	Katmai Rainbow River	
KARS	Kars	
KART	Kargi	
KARZ	Kaharoa	
KAS	Kastamonu	
KASI	Kota Agung	
KASO	Kasabonika Lake, First Nations Ontario	
KAST	KASTAMONU	
KAT	Kizyl-Arvat	
KATZ	Kakaramea	
KAU	Kaohsiung	
KAUP	Kaohsiung Port	
KAV	Kavieng	
KAVA	Kavala	
KAVZ	Karewarewa	
KAWH	Katmai	
KAY	Katlanovo	
KAZ	Karuizawa	
KBA	Koelnbreinsperre	
KBAZ	Karaka Road Borehole	
KBB	Kelsey Bay	
KBBA	Kibumba	
KBBM	Bear Butte	
KBC	Kumba	
KBD	Kabd	
KBDG	Kleinbodungen	
KBE	Kobe	
KBF	Kyburz Flat	
KBG	Krutoberegovo	
KBH	Kobugahara	
KBI	Kettle Butte	
KBI1	Birley Grange	
KBJ	Kelbejer	
KBK	Karagaybulak	
KBKI	Kotabaru	
KBL	Kabul	
KBM	Katmai Bkd Mtn	
KBN	Korca	
KBNM	Bluenose Ridge	
KBO	Bosley Butte	
KBQ	La Grande 4	
KBR	Kanchanaburi	
KBRM	Barry Ridge	
KBRS	Khaybar	
KBS	Kingsbay	
KBSD	Kabsdagh	
KBSM	Bell Springs	
KBT	Komakuk Beach	
KBTC	Kuba-Taba	
KBTI	Kibati	
KBTR	Krutoberegovo 1	
KBY	Kobayashi Ranch	
KBZ	Khabaz	
KBZS	Brezje pri Sen	
KC-	Kansas City	KC-MO
KCA	Cave	
KCC	Kaiser Creek	
KCE	Katmai Mt Cerb's	
KCG	Knife Ck. Glacier	
KCH	Monts Chateau	
KCHI	Karachi	
KCHT	Kechabta	
KCI	Kelly Canyon	
KCM	Kilenge	
KC-MO	Kansas City	
KCN	Ketchikan	
KCP	Kidapawan	
KCPM	Cahto Peak	
KCQ	La Grande 4	
KCRM	Chalk Rock	
KCSI	Kotacane, Aceh	
KCSM	Cold Springs	
KCT	Karacabey	
KCTM	Capetown	
KCTX	Karacabey (Bursa)	
KCY	Kuchiyama	
KD1	Kodiak	
KD2	Kodiak	
KD3	Kodiak	
KDA	Kuranda	
KDAG	Bornova	
KDAK	Kodiak Island	
KDB	Konedobu	
KDC	Kodiak Island	
KDE	Karadeniz	
KDG	Kedougou	KED
KDHN	Kadinhani	
KDI	Kendari	
KDJ	Kajisay	
KDK	Khodzhikent	
KDKW	Coast Env Seattle	
KDM	Kudat	
KDMR	Kurdemir	
KDN	Kodinsk	
KDR	Kadzharan	
KDS	Kedougou	
KDT	Kodera	
KDU	Kakadu	
KDUT	Kidman Hollow	
KDV	Kandavu Island	
KDZ	Kurdzhali	
KDZE	Karadeniz Ereoli	
KE-	Kennewick	KE-WA
KEA	Kealakomo	
KEB	Keban	
KEBB	NEPTUNE Canada Endeavour West	
KEBM	Edson Butte	
KEC	Kecskemet	
KECS	Kecovo	
KED	Kedougou	
KED*	Kedougou	KDS
KEDI	Kedomdong	
KEE	Keen Camp Maintenance Station	
KEEL	Keeler	
KEF	Keuruu	
KEG	Kottamaia	
KEH	Kehvi	
KEIM	Keimoes	
KEK	Kerkira	
KEKH	Kekaha	
KEKT	Kekliktepe	
KEL	Kelud	
KELA	Mount Kelaz	
KELB	Kelsey	
KELC	Kelly Hill Caves	
KELI	Kelakatan	
KELR	Kotokel	
KELT	Kelkit	
KEM	Kemerovo	
KEMA	Kemaliye	
KEMF	NEPTUNE Canada Main Field	
KEMO	NEPTUNE Canada Mothra	
KEN	Kenai	
KENC	Cerro Kenedy	
KEP	King Edward Point	
KEPZ	Antalya-Kepez	
KER	Kermanshah	
KERA	Keramoti	
KERG	Konya-Eregli	
KERI	Keren	
KERU	Kerch	
KES	Ksar Es Souk	HAD
KESN	Edirne-Kesan	
KEST	Kesra	
KESW	Keswick, Cumbria	
KET	Keravat	
KETZ	Ketetahi	
KEUT	Kanab	
KEV	Kevo	
KEV1	Kevo	
KEW	Kew	
KE-WA	Kennewick	
KEWM	Kewanee	
KEY	Kluane	
KEY1	Keyworth	
KEY2	Keyworth	
KFA	Klagenfurt	
KFAL	Klamath Falls	
KFC	Kentfield	
KFH	Kaoiki Faults	
KFJS		
KFL	Anninata	
KFNJ	Kafrein	
KFO	Klamath Falls	
KFPM	Farley Peak	
KFRA	Kufra	
KFTR	Kaftarguzar	
KFU	Kofu	
KG-	Kingman	KG-AZ
KG-AS	Kingman	
KG-AZ	Kingman	
KGD	Kothagudem	
KGF	KGF	
KGI	Kellogg	
KGJ	Kitakami	
KGL	Cahul	
KGM	Kluang	
KGMK	Kamigamo	
KGMM	Grouse Mountain	
KGN	Komagane	
KGNI	Kongan	
KGNO	Kingston	
KGR	Kogok River	
KGT	Karabiga	
KGUR	Krasnodar	
KGW	Kakegawa	
KH-	Kohls Ranch	KH-AZ
KHA	Khancoban	
KHAL	Karahalli	
KHAT	Khait	
KH-AZ	Kohls Ranch	
KHB	Jabal al Khashab	
KHBM	Hayfork Bally	
KHBR	Khabarovsk	
KHC	Kasperske Hory	
KHE	Kheis	
KHEL	Khelvachauri	
KHET	Khetri	
KHEZ	Kahui Hut	
KHF	Khenifra	
KHG	Khandyga	
KHGB	Koh Gabri	
KHI	Kakhk	
KHIT	Khitrov Hills	
KHJ	Kushihara	
KHK	Keihoku	
KHKI	Kahang-Kahang	
KHL	Karahalli	
KHLM	Kholmsk	
KHLT	Khaolaem Dam	
KHM	Kohima	
KHMM	Horse Mountain	
KHMZ	Khomeyn	
KHN	Khani	
KHNR	Khani	
KHO	Khorog	
KHON	Khomkaen	
KHR	Khorongon	
KHS	Khaishi	
KHSK	Kohestak	
KHT	Khao Laem Dam	
KHU	Kahuku	
KHUM	Khumson	
KHUZ	Khuzdar	
KHVA	Khvani	
KHVB	Wang Home	
KHZ	Kahutara	
KIA	Kiara Terrace	
KIAG	Kiagna River	
KIAM	Kaiam	
KIB	El Ksiba	
KIBA	KIBA	
KIBK	Kibwezi	
KIC	Kosan Boka	
KICM	Kanaga Island Cape Miga	
KIE	Kermit	
KIEV	Kiev	
KIF	Kilpisjarvi	
KIG	Kigali	
KIH	Kanekii	
KII	Karymskiy	
KIJ	Kawah Idjen	
KIJV	Kijevo	
KIK	Kika Raxquin	
KIKV	Kanaga Island Kanaga Volcano	
KIL	Kilembe	
KILO	Kirkland Lake	
KIM	Kimberley	
KIMB	Kimball Elementary School	
KIMD	Kanaga Island MID Benchmark	
KIMR	Kitsap County Moderate Risk Waste Facility	
KIN	Kingston	
KINC	Kanaga Island North Cape	
KING	Kindia	
KINR	Kitsap County North Road Shed	
KIP	Kipapa	
KIPH	Kalayaan	
KIPM	Iron Peak	
KIR	Kiruna	
KIRH	Kanaga Island Round Head	
KIRR	Kirishev	
KIRV	Kirov	
KIS	Kishinev	
KISE	Kishinomiya	
KISK	Kishima-dake	
KIT	Kermit	
KIT*	Kaitaia	
KITD	Kitadake	
KITH	Kitausu	
KITP	Kitsap County Wastewater Treatment Plant	
KIV	Kislovodsk	
KIV0	Kislovodsk Array Site 0	KVAR
KIV1	Kislovodsk Array Site 1	
KIV2	Kislovodsk Array Site 2	
KIV3	Kislovodsk Array Site 3	
KIW	Kapiti Island	
KIWB	Kanaga Island Westway Bight	
KIY	Kiyosumi	
KIYI	Yal¯–koy-Catalca	
KIZ	Kirchzarten	
KIZK	Mersin	
KIZT	Kizilcal	
KJA	Kiajanaja	
KJAB	KAMANJAB	
KJF	Kajaani	

Code	Station Name	Other
KJJM	Johnny Jack Ridge	
KJL	Kejulik	
KJN	Kajaani	
KK01	Karatay Array site	
KK02	Karatay Array site	
KK03	Karatay Array site	
KK04	Karatay Array site	
KK05	Karatay Array site	
KK06	Karatay Array site	
KK07	Karatay Array site	
KK08	Karatay Array site	
KK09	Karatay Array site	
KK31	Karatay Array site	
KKAR	Karatay Array	
KKB	Krupnik	
KKD	Korintji-Dempo	
KKG	Kukul	
KKGU	Kamikuga	
KKH	Kailua Kona	
KKHI	Kotkhai	
KKI	Karkar Island	
KKJ	Kaminokuni	
KKL	Karkaralinsk	
KKM	Kota Kinabalu	
KKN	Kakani	
KKPM	Kettenpom Peak	
KKR	Kurukshetra	
KKS	Kukesi	
KKSI	Kolaka, Sulawesi	
KKT	Kermit	
KKTK	Khon Kaen	
KKU	Keanakolu	
KKUL	Konya-Kulu	
KKW	Kainokawa	
KKY	Kaikoura West	
KKZ	Kaikoura	
KLB	Kellerberrin	
KLBO	Killbear Provincial Park	
KLBR	Kellerberrin	
KLC	Kirkland Lake	
KLCH	Kalalua Cone	
KLD	Kalaidasht	
KLDN	Kaloudiana Chania	
KLG	Kalgoorlie	
KLGA	Kalgoorlie	
KLH	Kapapala Ranch	
KLI	Kotabumi	
KLJ	Keetly	
KLK	Kealakekua	
KLKU	Kulkuduk	
KLL	Kalltalsperre	
KLM	Kuala Lumpur	
KLMR	Klimovskoe	
KLN	McKendrick Lake	
KLNB	Kelsey New	
KLNI	Mataram	
KLNJ	Kolanjah	
KLNR	Kaliningrad	
KLO	Kirkland Lake	
KLOF	Kloof	
KLP	Kalpa	
KLR	Kul'dur	
KLRI	Killari	
KLS	Karlskrona	
KLSI		
KLT	Keltepe	
KLU	Klutina	
KLUP	Keelung Port	
KLV	Kalavryta, Achaia	
KLY	Klyuchi	
KLYT	Kilyos	
KM-	Kramer	KM-CL
KM2	Kermit	
KM3	Kermit	
KM5	Kermit	
KM6	Kermit	
KM9	Kermit	
KMA	Kami	
KMB	Kimbe	
KMBE	Kimbe	
KMBL	Kambalda	
KMBO	Kilima Mbogo	
KMC	Kompina	
KM-CL	Kramer	
KMD	Komatsu	
KME	Kermit	
KMER	Konya-Meram	
KMF	Kamafusa	
KMG	Kumagaya	
KMGE	Kuromamegawa	
KMGR	Komgaron	
KMH	Puu Kamoamoa	
KMI	Kunming	
KMIS	Kosovska,, Mitrovica	
KMJ	Kume jima	
KMJD	Komatsu	
KMK	Kamakura	
KMKR	Kumukh	
KML	Kamuela	
KMM	Kamigamo	
KMMI	Kalianget	
KMN	Kumano	
KMNK	Kaminaka	
KMNR	Kamenistaya	
KMO	Kumora	
KMOR	Kings Mountain	
KMP	Kimball Pass	
KMPD	K-Podol'skiy	
KMPI	Kaimana, Papua	
KMPM	Mount Pierce	
KMR	Kremsmunster	
KMRM	Mail Ridge	
KMRS	Kahramanmaras	
KMRZ	Kaimai	
KMS	Karamursel	
KMSA	Khamasin	
KMSC	Kings Mountain	
KMSG	Kumisi	
KMSI	Cibinong	
KMSK	Kamenskaya	
KMSR	Komsomolskaya	
KMST		
KMT	Kinomoto	
KMTA	Khamis Mushayt	
KMTI	Karmit	
KMTU	Khamis Mushayt	KMTA
KMU	Kamikineusu	
KMV	Keen Mountain	
KMY	Karmoy	
KMYN	Kameyama	
KMZ	Kasempa	
KN-	Kanab	KN-UT
KNA	Kununurra	
KNB	Kanab	
KND	Kandira	
KNDC	Almaty	
KNDN	Kennady Lake	
KNDR	Palaiochora Chania	
KNDS	Knez@19ji Dol	
KNEL	Kent Elementary ANSS-SMO	
KNG	Konigsberg	
KNH	Kipuka Nene	
KNHH	Kane Nui o Hamo	
KNI	Koyna Nagar	
KNIM	Knight Island	
KNJ	Kinomoto	KMT
KNJD	Kanaihara	
KNK	Knik Glacier	
KNM	Kinmen	
KNMB	Chin-men Tao	
KNN	Kunene	
KNO	Knox Ranch	
KNP	Kunneppu	
KNR	Kangurt	
KNR1	Nevis Range	
KNRA	Kununurra	
KNS	Konitsa	
KNT	Kendrikon	
KNTN	Kanton	
KN-UT	Kanab	
KNW	Konawaena	
KNY	Kanayama	
KNZ	Kokohu	
KOA	Kobuan	
KOB	Kobe	
KOC	Kochi	
KOCW	Kopaniny	
KOD	Kodaikanal	
KOE	Koeppel	
KOF	Kofu	
KOFP	Korovin Flat Point	
KOG	Kourou	
KOGH	Koforidua	
KOGS	Kog	
KOH	Kohala	
KOHB	KOHEUNG	
KOHI	KOHIMA	
KOI	Khonsa	
KOID	Koike	
KOK	Koryaka	
KOKL	Mount Kliuchef	
KOKV	Korovin Volcano	
KOL	Kolay	
KOLH	KOLHAPUR, MAHARASTRA	
KOLL	Kolacno	
KOLN	Koldanda	
KOLS	Kolonicke sedlo	
KOM	Komaba	
KOMA	Komarou	
KOME	Kolasin	
KOMG	Komaggas	
KOMM	Orleans Mountain	
KOMS	Komsomolabad	
KOMT	Akitakoma	
KON	Kongsberg	KONO
KOND	KOND	
KONE	Korovin Northeast	
KONH	Konpirayama	
KONO	Kongsberg	
KONS	Konsvik	
KONT	Konya--Tatoy	
KONW	Korovin Northwest	
KOOC	Abou Kooc	
KOPT	Kop Dagi	
KOR	Koror	
KORK	Korkuteli	
KORR	Kora	
KORT	Korkueli	
KORU	Korolevo	
KOS	Kosmodemyansk	
KOSE	Korovin Southeast	
KOSI	Kohlern	
KOSW	Kosmos	
KOT	Kottamia	
KOTI	Kothi	
KOU	Koumac	
KOUM	Koumaradei	
KOW	Kowen Forest	
KOWA	Kowa	
KOWE	Korovin West	
KOWM	Kowarra	
KOY	Koyama	
KOZ	Kozyrevsk	
KOZ*	Kozyr	KOZR
KOZJ	Kozjak Brana	
KOZR	Kozyr	
KOZT	Kozan	
KOZTB	Kozan	
KPA	Kalaupapa	
KPAM	Keepit Dam	
KPB	Port Bizet	
KPC	Khapcheranga	
KPD	Port Douzieme	
KPE	Price	
KPH	Kaena Point	
KPJ	Monastery St. Joachim Osogovski	
KPJI	Karang Pucung	
KPK	Kanaka Peak	
KPL	Plockton	
KPN	Kupiano	
KPNG	Kappang	
KP-NV	Kawich Peak	
KPO	Kapoho	
KPPM	Pickett Peak	
KPR	KrasnayaPolyana	
KPRO	Kipourio	
KPT	Kopyto	
KPTM	Keepit Bedrock	
KR-	Crane	KR-OR
KRA	Krakow	
KRAB	Krabi	
KRAI	Karang Ratu	
KRAM	Krabesse	
KRAR	Krasnoyarsk	
KRB	Kariba Dam	
KRBA	Kerman	
KRBG	Karabiga-Canakkale	
KRBR	Kerman	
KRC	King Ranch	
KRCT	Kiractepe	
KRCW	Kraslice	
KRD	Kurday	
KRDT	Erzincan	
KRE	Kure	
KRER	Koryakskii	
KRF	Krasnovodsk	
KRG	Kerema	
KRH	Kirikhan	
KRHZ	Kereru	
KRI	Karoi	
KRIS	Kristallenia	
KRIT	Krib	
KRJ	Kamimuroga	
KRJI	Kerinci	
KRK	Kirkenes	
KRKI	Karangkates	
KRKL	Karaikal	
KRKM	Rackout Springs	
KRL	Karlsruhe	
KRLC	Kraliky	
KRM	Kurmenty	
KRMB	Red Mountain	
KRMI	Paran Flat	
KRMM	Red Mountain	
KRMR	Karymshinskiy	
KRMZ	Karmrakar	
KRN	Kronoki	
KRNA	Kawich Range	
KRND	KRANIDI	
KRNR	Karanay	
KRO	Koro	
KR-OR	Crane	
KROS	Kirovskiy	
KRP	Karapiro	
KRPM	Rodgers	
KRPT	Karpathos	
KRR	Karoi	
KRS	Krasnogorka	
KRSR	Krestovskiy	
KRT	Keravat	
KRTS	Karatas	
KRTT	Kurtkulagi	
KRU	Karasu	
KRUC	Moravsky	
KRUS	Krusevo	
KRV	Ganja	
KRVZ	Karewarewa	
KRW	Karlsruhe West	
KRX	Arik	
KRY	Koidern River	
KRYG	Kurzu	
KRZ	Karuizawa	KAZ
KS01	Wonju Array Site 1	
KS02	Wonju Array Site 2	
KS03	Wonju Array Site 3	
KS04	Wonju Array Site 4	
KS05	Wonju Array Site 5	
KS06	Wonju Array Site 6	
KS07	Wonju Array Site 7	
KS08	Wonju Array Site 8	
KS09	Wonju Array Site 9	
KS10	Wonju Array Site 10	
KS11	Wonju Array Site 11	
KS12	Wonju Array Site 12	
KS13	Wonju Array Site 13	
KS14	Wonju Array Site 14	
KS15	Wonju Array Sites 15 and 31	
KS16	Wonju Array Site 16	
KS17	Wonju Array Site 17	
KS18	Wonju Array Site 18	
KS19	Wonju Array Site 19	
KS32	Wonju Array Site 32	
KS33	Wonju Array Site 33	
KS34	Wonju Array Site 34	
KS35	Wonju Array Site 35	
KS36	Wonju Array Site 36	
KS37	Wonju Array Site 37	
KSA	Ksara	
KSADO	Andong	
KSAND	Andong	
KSANM	Anmyeondo	
KSAR	Wonju Array Beam Reference Point	
KSB	Sheil Bridge	
KSBAR	Backryungdo	
KSBON	Boeun	
KSBRD	Baengnyeongdo	
KSBSA	Busan_acc	
KSBUS	Busan	
KSBUY	BUYEO	
KSCEA	Cheonan	
KSCEJ	CHEONGJU	
KSCHC	Chuncheon	
KSCHI	Jinju	
KSCHJ	Chungju	
KSCHO	Jeonju	
KSCHR	CHANGNYEONG	
KSCHS	CHEONGSONG	
KSCHW	Cheorwon	
KSCHY	BONGHWA	
KSCIG	Chilgok	
KSCM	Snow Cap Mountain	
KSCO	Kaye Shedlock's, Cheyenne Wells	
KSCPN	Chupungnyeong	
KSCPR	CHUPUNGNYEONG	
KSCWO	Cheorwon	
KSD	Kokstad	
KSDAG	Daegu	
KSDAU	Deagu-acc	
KSDDC	Dongducheon	
KSDEI	Deokjeokdo	
KSDGY	Daegwallycong	
KSDI	Kefar Szold	
KSEUS	ULSEONG	
KSGAH	Ganghwa	
KSGBI	Gyogryolbido	
KSGIC	Gimchen	
KSGOS	Gosan	
KSGSG	Gangseo	
KSGUM	GUMI	
KSGUS	GUNSAN	
KSGWJ	Gwangju-acc	
KSGWL	Sabuk	
KSH	Kashi	
KSHAC	HAPCHEON	
KSHAD	HADONG	
KSHAN	Haenam	
KSHJ	Kshj	
KSHT	Keshet	
KSHUK	Heuksando	
KSI	Kapahiang	
KSICN	Icheon	
KSIJA	INJE	
KSIMS	Imsil	
KSINC	Incheon	
KSJ	Kashima	
KSJAH	Jangheung	
KSJAS	Jangsu	
KSJDO	Jindo	
KSJEC	Jecheon	
KSJEO	Jeonju	
KSJES	JEONGSEON	
KSJEU	Jeongeup	
KSJIN	Jinju	
KSJJU	Jeju	
KSJMJ	Jumunjin	
KSJUR	Jungrangju	
KSK	Scoval	
KSKAN	Gangneung	
KSKCH	Geochang	
KSKMS	Keumsan	
KSKOH	Goheung	
KSKOJ	Gongju	
KSKUC	Geochang	
KSKUS	Gunsan	
KSKWJ	Gwangju	
KSL	Kastellorizon	
KSLI	Kharsali	
KSM	Kuching	
KSMAS	Masan	
KSMGY	Mungyeong	
KSMIY	MIRYANG	
KSMM	Slide Mountain	
KSMOK	Mokpo	
KSMOP	Mokpo	
KSMR	Kasumkent	
KSMUG	Mungyeong	
KSMUS	Musan	
KSN	Kinkasan	
KSNAH	Namhae	
KSNAJ	Naju	
KSNAW	Namwon	
KSNOW	Nowan	
KSO	Kastoria	
KSP	Ksiaz	
KSPA	Keystone College	
KSPHA	Pohang	
KSPM	Sherwood Peak	
KSPOH	Pohang	
KSPOR	Boryeong	
KSPUA	Buan	
KSPYC	Pyeongchang	
KSR	Koster	
KSRS	Korea Array	
KSRV	Kasrt alli	
KSSAC	SANCHEONG	
KSSAJ	Sangju	
KSSCH	SUNCHEON	
KSSEO	Seoul	
KSSES	Seosan	
KSSGP	Seogwipo	
KSSKC	Sokcho	
KSSOC	Sokcho	
KSSOD	Songwoldong	
KSSSP	Seongsanpo	
KSSWO	Suwon	
KST	Kastek	
KSTBA	Taebaek	
KSTEJ	Daejeon	
KSTL	Kastelli Heraklio	
KSTOH	DONGHAE	
KSTOY	TONGYEONG	
KSU	Koussour	
KSU1	Kansas State University--Konza Prairie	
KSUJ	Kushiro	KUSJ
KSULJ	Uljin	
KSULL	Ulleungdo	
KSULS	Ulsan	
KSUO	Kent State University	
KSUSN	Ulsan	
KSV	Kosov	
KSVO	Keeseville	
KSVV	Ky Son	
KSWAN	Wando	
KSWJU	Wonju	
KSWON	Wonju	
KSWY	Kelly School	
KSXB	Camp Six Broadband	
KSXM	Camp Six	
KSY	Syston	
KSYAP	YANGPYEONG	
KSYCH	Yecheon	
KSYOC	YEONGCHEON	
KSYOD	Yeongdeok	
KSYOJ	YEONGJU	
KSYOS	Yeosu	
KSYOW	Yeongwol	
KSYSU	YEOSU	
KT1	Kermit	
KT2	Kermit	
KT3	Kermit	
KT4	Kermit	
KT5	Kermit	
KT7	Kermit	
KT8	Kermit	
KT9	Kermit	
KTA	Kotzebue	
KTAS	Katas	
KTD	Kalmit	
KTE	Kermit	
KTG	Kap Tobin	
KTG1	Tilbrook Grange	
KTGM	Kuala Trengganu	
KTH	Kantishna Hills	
KTHR	Kythira	
KTI	Kastanea	
KTJ	Kamata	
KTJD	Kamitakara	
KTJJ	Kamata 2	
KTK1	Kautokeino	
KTK2	Kautokeino	
KTK3	Kautokeino	
KTK4	Kautokeino	
KTK5	Kautokeino	
KTK6	Kautokeino	
KTL	Katale	

Code	Station Name	Other
KTLM	Kings Tableland	
KTM	Katmai	
KTMO	Khatum	
KTMY	Kuala Trengganu	KTGM
KTN	Katrineberg	
KTNK	Katano	
KTNR	Kaitanak	
KTR	Katsuura	
KTRM	Thompson Ridge	
KTRR	Kuturchin	
KTT	Kermit	KIT
KTUT	Trabzon	
KTX	Kermit	
KTZ	Kutztown	
KU1	Kurvinen	
KU2	Taivalkoski	
KU3	Posio	
KU4	Liikasenvaara	
KU5	Karpankyla	
KU6	Riekki	
KU7	Kasma	
KU8	KU8	
KUA	Kurravaara	
KUB	Quba	
KUBR	Kubataba	
KUBS	Kucevo	
KUC	Kucino	
KUDL	Kundal	
KUF	Ufford	
KUG	Kupang	
KUGN	Kugaaruk Camp, Nunavut	
KUH	Kaapuna	
KUK	Kukurantumi	
KUKN	Kugluktuk,NWT	
KUL	Kulyab	
KULA	Kula-Manisa	
KULG	Kulusuk, Greenland	
KULLO	Kullorsuaq	
KULM	Kulim	
KULT	Kultieth River Mountain	
KULU	Kulu	
KUM	Kumamoto	
KUM*	Kumora	KMO
KUMJ	Kumamoto 2	
KUMR	Kumaryk	
KUN	Kunming	KMI
KUP	Kupang	
KUPN	Kupiano	
KUPT	Kupang	KUG
KUQ	Kuujjuuaa	
KUR	Kuril'sk	
KUR01	Kurchatov Array Site 1	
KUR02	Kurchatov Array Site 2	
KUR03	Kurchatov Array Site 3	
KUR04	Kurchatov Array Site 4	
KUR05	Kurchatov Array Site 5	
KUR06	Kurchatov Array Site 6	
KUR07	Kurchatov Array Site 7	
KUR08	Kurchatov Array Site 8	
KUR09	Kurchatov Array Site 9	
KUR10	Kurchatov Array Site 10	
KUR11	Kurchatov Array Site 11	
KUR12	Kurchatov Array Site 12	
KUR13	Kurchatov Array Site 13	
KUR14	Kurchatov Array Site 14	
KUR15	Kurchatov Array Site 15	
KUR16	Kurchatov Array Site 16	
KUR17	Kurchatov Array Site 17	
KUR18	Kurchatov Array Site 18	
KUR19	Kurchatov Array Site 19	
KUR20	Kurchatov Array Site 20	
KUR21	Kurchatov Array Site 21	
KURBB	Kurchatov Array	
KURK	Kurchatov	
KUS	Kushiro	
KUSD	Kusadasi-Aydin	
KUSJ	Kushiro	
KUT	Kutsugahara	
KUTA	Kuta	
KUTZ	Kaahu Road	
KUU	Kurty	
KUZ	Kuaotunu	
KUZU	Kuzuini	
KV-	Keg River	KV-AT
KV01	Kirishima Volcano	
KV02	Kamimonzen	
KV03	Oonami West	
KV04	Kurino-dake	
KV05	Oonami East	
KV06	Karakunidake	
KV09	Okamoto-Ura	
KV11	Takachiho West	
KV12	Sinyu	
KV91	Ura	
KVAR	Kislovodsk Array Beam Reference Point	
KV-AT	Keg River	
KVC	Kvetna	
KVG	Kavieng	
KVN	Kaiserville	
KVO	Kovokta	
KVR	Kavouri	
KVT	Kavak	
KVTA	Katmai Vly 10 NE	
KVTX	Kingsville	
KWA	Guiyang	GYA
KWAJ	Kwajalein Atoll	
KWE	Weaver Farm	
KWHZ	Kaweka Forest	
KWJ	Kawai	
KWNG	Kwanting	
KWP	Kalwaria Paclawska	
KWT	Kawatabi	
KWZ	Kawazu	
KYA	Kyakhta	
KYJ	Kuroyon	
KYK	Kayak Island	
KYL	Kyle	
KYM	Kumisi	
KYO	Kyoto	
KYP	Key Point	
KYR	Kayrak	
KYS	Kiyosumi	
KYTD	Kurayoshi	
KYTH	Kithira	
KYZD	Kyzyldzhar	
KZA	Kyzart	
KZAD	Kyzyl-Adyr	
KZAG	Qyzylaghash	
KZI	Kaziranga	
KZIT	Kziot	
KZJ	Kashiwa-zaki	
KZK	Kashiwa-zaki	
KZL	Kozel'skiy	
KZLR	Kyzyl	
KZM	Kalamazoo	
KZN	Kozani	
KZR	Kazreti	
KZT	Kanzaki	
KZV	Kizimen	
KZW	Kaizawa	
L02A	Cave Junction	
L02D	Cave Junction, OR	
L04A	Klamath Falls	
L05A	Lakeview	
L07A	Adell	
L08A	Fields	
L09A	Wilkinson Ranch, McDermitt	
L10A	Juniper Basin Ranch, Riddle	
L11A	Cat Creek Ranch, Riddle	
L12A	House Creek Ranch, Rogerson	
L13A	Double Diamond Ranch, Oakley	
L14A	Malta	
L15A	Malad City	
L16A	Fish Haven	
L17A	Cokeville	
L18A	Fontenelle, Green River	
L19A	Farson	
L20A	Wamsutter	
L21A	Rawlins	
L22A	Ellis Ranch, Medicine Bow	
L23A	Garrett	
L24A	Wheatland	
L25A	Engebretsen Ranch, Morrill	
L26A	Underwood Farm, Alliance	
L27A	T5 Ranch, Ellsworth	
L28A	Connealy Angus Ranch, Whitman	
L29A	Maesberg Ranch, Thedford	
L30A	Spencer Herefords Ranch, Brewster	
L31A	Butterfield Farm, Chambers	
L6KY	Lock 6	
LA-	Lafayette	LA-GA
LA0	Lasa Array	LAO
LAA	Little America	
LAB	Little Aspen Butte	
LABF	Labassere	
LABG	Labe	
LAC	Landers	
LACH	Col Las Americas	
LACI	Lac	
LACL	Lacq	
LACR	Lac	
LACU	La Cuchilla	
LACW	Lazy	
LAD	Ladron Mountain	
LADA	La Danta	
LADK	Ladik-KONYA	
LADO	San Nicola dell'Alto	
LAE	Lae	
LAF	Lafayette	
LAG	Langila	
LA-GA	Lafayette	
LAGL	Lagor	
LAGM	Oaxaca	
LAGU	Laguneta	
LAGV	Lagunillas	
LAH	Lahore	
LAIN	Lailor River, Nunavut	
LAJ	Bijagual	
LAK	Lawrence	
LAKA	Lakka	
LAL	Leola	
LALZ	Loma Alta	
LAMM	Antelope Mountain	
LAMP	Lampang	
LAN	Lanzhou	
LANC	Lancaster	
LANE	Lane BPA Site-SMO	
LANF	Langenberg	
LANH	Laconia	
LANS	Liptovska Anna	
LANU	Lannavaara	
LAO	LASA Array	
LAP	La Paz	
LAPC	Finca la Perla	
LAPE	La Pedrera	
LAQ	La Grande	
LAQC	La Quinta	
LAR	Laramie	
LARD	Lac Aux requins	
LARF	Larrau	
LARI	Lau Rambong	
LARO	La Roca	
LAS	Mount Lassen	
LASA	Lasa Array	LAO
LASF	Ste Croix	
LASI	Langsa, Aceh	
LASL	Noumea	
LASM	Arnica Sink	
LAST	Lasithi	
LAT	Lae	
LATE	Laterza	
LATQ	La Tuque	
LATR	Latur	
LAU	La Urbina	
LAUCH	Lauchernalp	
LAUG	Laupendahl	
LAV	Laguna Verde	
LAV2	Lava2-Rev Volc	
LAV3	Lava3-Reventador	
LAV4	Lava4-Reventador	
LAV9	Lanuvio	
LAVA	Lava Cap Winery, Placerville	
LAVC	Lavic	
LAVN	Lang Chanh	
LAVR	Lavrentia	
LAW	Lawrence	
LAWT	Lawton Elementary School	
LAX	Bahia de Los Angeles	
LAY	Lan-yu	
LAZ	Ladron	
LAZM	Lazaro Cardenas	
LB-	Lebanon	LB-NH
LB1	LASA B Ring	
LB2	LASA B Ring	
LB3	LASA B Ring	
LB4	LASA B Ring	
LBC	Lubudi	
LBCM	Butte Creek Rim	
LBCW	Luby	
LBF	Les Buteaux	
LBFI	Labuhan Bajo, Sumatra	
LBFM	Black Fox Mountain	
LBG	Lerchenberg	
LBGA	Luboga	
LBGM	Big Gulch	
LBH	Morecambe B102	
LBKM	Bonanza King	
LBL	Lubilhac	
LBM	Little Butte	
LBMI	Labuha	
LBMM	Bass Mountain	
LBNH	Lisbon	
LB-NH	Lebanon	
LBNS	Jabal Laban	
LBO	Bowland	
LBOS		
LBP	Lucky Boy Pass	
LBPH	Los Banos	
LBPM	Beegum Peak	
LBQ	La Grande	
LBRS	Las Brisas	
LBSA	Labasa	
LBT	Labete	
LBTB	Lobatse	
LBUT	Lower Browns Hole	
LBXM	Letterbox	
LBZ	Lake Benmore	
LC-	Las Cruces	LC-NM
LC1	LASA C Ring	
LC2	LASA C Ring	
LC3	LASA C Ring	
LC4	LASA C Ring	
LCA	Log Cabin	
LCAL	Lambert Chapel	
LCAM	Castella	
LCAR	Lake Charles	
LCBS	La Ceiba	
LCC	Lanzhou	
LCCB	Little Cholame Creek	
LCCH	Las Cruces	
LCCM	Lewis and Clark Caverns	
LCCO	Lakeland CC	
LCCY	Blossom Village, Little Cayman	
LCFM	Crescent Cliff	
LCG	Leon Cerro Gordo	
LCH	Last Change Range	
LCHF	La Chataigneraie	
LCI	Lecce	
LCK	Crook	
LCL	Rancho Los Cerritos	
LCM	Los Angeles Museum of Natural History	
LCMM	Colby Mountain	
LCMT	Little Creek Mountain	
LCN	Lincoln	
LCNA	Lacona	
LCNC	Loup City	
LCNE	Loup City	
LC-NM	Las Cruces	
LCO	Las Campanas	
LCP	Cassop	
LCQ	La Grande	
LCR	La Lucha	
LCR2	La Lucha 2	
LCSM	College of the Siskiyous	
LCV	La Cueva	
LCVN	Lai Chau	
LCW	Lucas Creek	
LD-	Lucedale	LD-MS
LD1	LASA D Ring	
LD2	LASA D Ring	
LD2MS	Lucedale	
LD3	LASA D Ring	
LD3MS	Lucedale	
LD4	LASA D Ring	
LDBL	Lucq-de-Bearn	
LDBM	Digger Butte	
LDBN	Lake De Bois	
LDF	La Druitiere	
LDFC	Landfair	
LDG	Lodge	
LDGN	Lac de Gras North	
LDIO	Lac des Isle Mine	
LDJ	Lady	
LDLD	Lac de Lave	
LDM	Libby Dam	
LDMO	Linda	
LD-MS	Lucedale	
LDN	London (Ont)	
LDQ	La Grande	
LDR	Lodi Road	
LDS	Leeds	
LDU	Leeds University	
LDV	Leadville	
LDVG	Clark Hill Reservoir	
LE-	Lewisburg	LE-TN
LE1	LASA E Ring	
LE2	LASA E Ring	
LE3	LASA E Ring	
LE4	LASA E Ring	
LEA	Lead	
LEAH	Tarraleah	
LECO	Lake Erie College	
LED	Lead Mountain	
LEE	Leeds	
LEF	Lefka	
LEG	Legaspi	
LEGH	Legon	
LEGS	Legarje	
LEI	Leipzig	
LEK	Lexington	
LEM	Lembang	
LEN	Leninakan	
LENM	Lemitar	
LEO	Leoncito	
LEOC	Leona Valley	
LEOD	Capriano del Colle	
LEOM	Leova	
LEON	Leon	
LEOT	Leota Junior High School	
LEP	Lephalale	
LEPF	PUYLOUBIER	
LER	Lerida	
LERZ	Lernakert	
LES	Lesozavodsk	
LESF	Lescure	
LE-TN	Lewisburg	
LEV	Loma de el Viento	
LEVU	Levan	
LEX	Lexington	
LF-	La Follette	LF-TN
LF1	LASA F Ring	
LF2	LASA F Ring	
LF3	LASA F Ring	
LF4	LASA F Ring	
LFA	Lagoa do Fogo	
LFC	Lale Fork Canyon	
LFF	La Frestale	
LFK	Lefkose	
LFM	Lubrecht Forest	
LFRS	El Faro	
LF-TN	La Follette	
LFU	La Fuente	
LG-	Long Valley	LG-AZ
LG4Q	La Grande 4	
LGA	Laguna Mountains	
LGAR	La Grange	
LGAT	Lohaghat	
LG-AZ	Long Valley	
LGBM	Gray Butte	
LGC	Lakewood Golf Course	
LGCB	Laguna Cube	
LGD	Lagodekhi	
LGG	Legon	
LGHD	Ghdames	
LGHM	Grouse Hill	
LGKY	Lock 6	L6KY
LGM	Little Green Mountain	
LGMM	Garner Mountain	
LGN	Lagunillas	
LGNH	Le@15oga@12ne	
LGNR	Loginova	
LGOR	La Grande	
LGP	Legaspi	
LGPM	Granite Peak	
LGQ	La Grande	
LGR	Logrono	
LGRM	Grenada	
LGSN	Lac de Gras South	
LGT	Lagarterita	
LGTI	Lohaghat	
LGTM	Lightning Creek	
LGUZ	Los Guarumos	
LHA	Lhasa	
LHAH	Las Aradas	
LHBM	Lucas Heights	
LHC	Lakehead University	
LHCM	Hat Creek	
LHD	Little Hoodo Mountain	
LHE	Lhers	
LHEM	Herd Peak	
LHG	La Concha	
LHHM	High Hole Crater	
LHI	Lord Howe Island	
LHIS	Lihir Island	
LHKM	Mount Harkness	
LHM	Lake Helena	
LHMI	Lhok Sumawe	
LHMM	Hirz Mountain	
LHN	Lillehammer	
LHO	Holmfirth	
LHOM	Hoadley Peaks	
LHS	Liberty Hill	
LHSI	Lahat	
LHU	Lake Hughes	
LHUT	Little Humpy Peak	
LHV	Little Huntoon Valley	
LI-	Liberty	LI-NV
LIA	Limnos Island	
LIB	Langara Island	
LIBD	Limburg	
LIBM	Chiapas	
LIC	Lamto	
LICH	Lichinga	
LICM	Lichinga	
LICR	Limon	
LID	Liddow	
LIENZ	Kamor/St.Gall Rh.T	
LIFNC	LIFOU	
LIJA	Lijar	
LIKS	Likavka	
LIL	Lille	
LILH	Lima (NY)	
LILM	Lilongwe	
LILU	Lilltraesk	
LIM	Lima	
LIM1	Limonal	
LIME	Lime	
LIMM	Veracruz	
LIN	Lincoln	
LINO	Lindsay	
LI-NV	Liberty	
LIO	Limon	
LIP	Lipkovo	
LIRZ	Lichensteins Rd	
LIS	Lisbon	
LISJ	El Lisan	
LIT	Litokhoron	
LITE	Lita	
LITE1	Lita	
LITH	Al Lith	
LITR	Litchfield	
LIV	Leghorn	
LIY	Limay	
LJB	Lovejoy Buttes	
LJBD	Adjabya	
LJC	La Jolla	
LJFR	Jufra	
LJI	Lemhi Junction	
LJO	Ljotipollur	
LJS	Tabasco	
LJU	Ljubljana	
LJX	Las Lajas	
LJY	La Joya	
LKB	Lokbatan	
LKBD	Leukerbad	
LKBD2	Leukerbad 2	

Code	*Station Name*	*Other*
LKC	Lake Chabot	
LKD	Levkas	
LKD2	Lefkada island	
LKFR	Kufra	
LKG	Breislack	
LKGA	Lookout Mountain	
LKL	Kirkby Lonsdale	
LKLB	Kalborn	
LKO	Korhogo	
LKP	Lekhapani	
LKR	Lokris	
LKRN	Lenkeran, Azerbaijan	
LKVW	Lakeview	
LKW	Lake Wisdom	
LKWY	Lake	
LL-	Laurel	LL-MS
LLA	Llanada	
LLAC	Llano	
LLAH	Lualailua	
LLAV	El Llanito	
LLC	La Lucha Farm	
LLCH	Llolleo	
LLD	Lille Linde	
LLI	Lipari	
LLIC	Llico	
LLJ	Guerrero	
LLKY	Land-Between-the-Lakes	
LLL	Lillooet	
LLLB	Lillooet	
LL-MS	Laurel	
LLO	Longridge	
LLP	Lapu-Lapu	
LLRI	Little Lost River	
LLS	Linth-Limmern	
LLW	Llanuwychllyn	
LLY	Lytham Saint Anne's	
LM-	Lake Mead	LM-NV
LM2	Lima (Magdalena)	
LMA	Le Marinel	
LMBQ	La Malbaie	
LMC	Lamocks	
LMCR	Lookout Mountain	
LMD	Lutirano	
LMDM	Medicine Lake	
LMEL	Las Melosas	
LMEM	Manzanita Entrance	
LMF	Le Mans	
LMG	Lamington	
LMGC	Las Mercedes	
LMHM	Little Mount Hoffman	
LMI	Millom	
LMK	Market Rasen	
LML	Lae--Mount Lunaman	
LMM	Maputo	
LMN	Caledonia Mountain	
LM-NV	Lake Mead	
LMO	Lookout Mountain Observatory	
LMP	Lamap	
LMPM	Military Pass	
LMQ	La Malbaie	
LMR	La Mourre	
LMS	Lookout Mountain Observatory	
LMSR	Misrath	
LMT	Lemonthyme	
LMTN	Little Mountain	
LMTZ	Lermontov	
LMU	Lake Mountain	
LMUT	Lake Mountain	
LMW	Ladd Mountain	
LMX	La Mesa Andrade	
LMZ	Lake Moeraki	
LMZM	Manzanita Lake	
LN9	Lone Pine	
LNA	Lyangar	
LNAS	Los Alamitos	
LNB	Las Nubes	
LNC	Lunacharskoye	
LNCH	Linares	
LNCR	Limon	
LND	London (Ont)	
LNF	Linfen	
LNG	Luning	
LNIG	Linares	
LNK	Lankaran	
LNKU	Linkoeping	
LNM	Leon	
LN-MA	Lewistown	
LNN	Saint Petersburg	
LNO	Leonard	
LNO2	Leonard	
LNO3	Leonard	
LNOR	Lincton Mountain	
LNR	Lonorore	
LNS	Lanslevillard	
LNSM	East Lansing	
LNSS	Leonessa	
LNV	Longovilo	
LNVN	Lang Ngam	
LNX	Lenox	
LNXT	Lenox	
LO-	Lovelock	LO-NV
LO2	Pahute Mesa	
LOA	Los Alamos	
LOC	Lincoln School	
LOCW	Locke Island	
LOD	Lodumlu	
LOE	Loei	
LOEI	Loei	
LOES	Loerrach-Stetten	
LOEW		
LOF	Lofoten	
LOG	Logan	
LOGN	Logan Glacier	
LOH	Wallersheim-Loch	
LOHW	Long Hollow	
LOK	Lockwood Valley	
LOKY	Lockhart	
LOLA	Los Lagos	
LOM	Lome	
LOMF	Lomont	
LOMO	Loma en Medio	
LOMS	Lomita	
LON	Longmire	
LO-NV	Lovelock	
LONY	Lake Ozonia	
LOP	Lookout Peak	
LOPT	Lopu atari	
LOR	Lormes	
LORE	San Lorenzo	
LORO	Los Roques	
LORV	San Lorenzo	
LOS	Limnos	
LOSM	Lostock Dam	
LOSU	Losuia	
LOT	Lotru	
LOU	Louis Bay	
LOUT	Loutraki	
LOY	Loyalton	
LOZ	Lake Ozonia	
LP-	La Pryor	LP-TX
LPA	La Plata	
LPAR	Lepanto	
LPAZ	La Paz	
LPB	La Paz	
LPC	La Cumbre Peak	
LPD	Lampedusa	
LPDM	Pondosa	
LPEF	Le Peyrat	
LPEL	Lama dei Peligni	
LPF	Le Pertre	
LPG	La Plagne	
LPH	Laupahoehoe	
LPI	Lipari	
LPIG	La Paz	
LPK	Lapseki	
LPL	La Plagne	
LPM	Los Pinos Mountain	
LPMF	Morne Lapointe	
LPO	Le Pouchou	
LPQ	La Pocatiere	
LPR	La Peregrina	
LPS	La Palma	
LPSR	Galich'ya Gora	
LPT	Lampang	
LP-TX	La Pryor	
LPW	Lampeter	
LPX	La Paz	
LPZ	San Calixto	
LQA	La Quiaca	
LQP	Lukban	
LQQ	La Grande 4	
LQT	Los Queltehues	
LR9	Liard River	
LRA	Little Rock	
LRAL	Lakeview Retreat	
LRC	Lone Oak Road	
LRCG	Laurel Creek	
LRCZ	Leaning Rock	
LRDF	Laroque-de-Fa	
LRDM	Redding Peak	
LRDO	Lorado	
LREZ	Lake Rotokare	
LRG	Lorgues	
LRI	Big Lost River	
LRK	Lerik	
LRKT	Look Rock	
LRM	Limekiln Ridge	
LRMC	Laurel Mountain	
LRN	Richmond	
LRO	Larroussi	
LRQ	La Grande 3	
LRR	Leresti	
LRRC	Littlerock Reservoir	
LRS	Lares	
LRSO	Larissa Observatory	
LRV	Little Rabbit Valley	
LRW	Lerwick	
LRWS	Lerwick	
LRYF	La Roche-sur-Yon	
LS-	Lisbon (USA)	LS-NH
LSA	Lhasa	
LSCH	La Serena	
LSCT	Lakeside	
LSCZ	Lilico Spur	
LSD	Lago del Serru	
LSDC	Los Osos Digital	
LSF	La Souterraine	
LSHF	Shwairf	
LSI	Little Sitkin Island	
LSI01	Los Alamos Infrasonic Array Site 1	LSIAR
LSI02	Los Alamos Infrasonic Array Site 2	
LSI03	Los Alamos Infrasonic Array Site 3	
LSI04	Los Alamos Infrasonic Array Site 4	
LSIAR	Los Alamos Infrasonic Array Beam Reference Point	
LSK	Leskovik	
LSLM	South Lassen	
LSM	Little Skull Mountain	
LSN	Little Skull Mountain	
LS-NH	Lisbon	
LSNR	Lesken	
LSNW	Little Sitkin NW	
LSP	Las Mesas	
LSP2	Las Mesas	
LSPA	Little Sitkin PP	
LSPF	Lesparou	
LSQ1	Lac Sinclair, Quebec	
LSQQ	Lebel-sur-Quevillon	
LSR	Lussari	
LSRT	Sirt	
LSSA	Little Sitkin S'e	
LSSE	Little Sitkin SE	
LST	Lone Star	
LSTR	Listvyanka	
LSU	Lake Shores	
LSU1	Parcperdue Array	
LSU2	Parcperdue Array	
LSU3	Parcperdue Array	
LSU4	Parcperdue Array	
LSU5	Parcperdue Array	
LSUT	Lucky Star	
LSW	Landslide	
LSZ	Lusaka	
LT-	Lewistown	LT-PA
LT1	Stevens Creek	SEC
LT11	Empire Grade Rd	EGR
LT12	Eureka Canyon	EUC
LT13	Angel Island	AGC
LT15	Bear Creek Road	
LT16	Bolinger Road	BGC
LT17	Morgan Territory	MTC
LT18	Palomares Rd	PLC
LT2	St Joseph	SJH
LT3	Portola State Park	
LT4	Stanford	SFT
LT5	La Honda	
LT6	Woodside	WDS
LT7	Menlo Park	MOB
LT8	Coyote Hills	CYH
LT9	San Andreas Lake	
LTA	Leoben	
LTB3	Lajitas B3	TX04
LTBQ	Tobruq	
LTC	Little Chuckwalla Mountains	
LTCM	Tuscan Springs	
LTG	Los Tablones	
LTH	Lepaterique	
LTHS	Al Lith	
LTI	Latouche	
LTIM	Timbered Crater	
LTK	Loutraki	
LTL	Livingston	
LTM	Little Maria Mountains	
LTMT	Little Table Mountain	
LTN	Lennox	
LT-PA	Lewistown	
LTQ	La Grande	
LTR	Lone Tree Road	
LTRA	Loutraki	
LTRP	Tripoli	
LTRR		
LTRZ	Laterza	
LTT	Louis Trichardt	
LTU	Little Mountain	
LTW	Los Trancos Woods	
LTX	Lajitas	
LTY	Liberty	
LTZ	Lake Taylor	
LUA	Luanda	
LUB	Lubbock	
LUBP	Lubang	
LUBY	Luby	
LUCF	Luceram	
LUCR		
LUEV	Luepa	
LUG	Luganville	
LUJL	Ujela	
LUK		
LUKA1	Lukmanier-Pass	
LUL		
LUMB	Murzuk	
LU-MS	Lumberton	
LUN	Lund	
LUNU	Lund	
LUPA	Lehigh University	
LUPN	Lupin Mine	
LURI	Luri	
LUS	Lusaka	
LUTC		
LUV	Laichau	
LUWI	Luwuk	
LUX	Luxembourg	
LUZB	Luzhba, Kemerovskaya Oblast', Russia	
LV-	Liddieville	LV-LA
LV9	Isola Levanzo	LVI
LVA	Lava Point	
LVAR	Leachville	
LVC	Limon Verde	
LVG	La Victoria	
LVGX	La Villita	
LVI	Isola Levanzo	
LVIA	Vianden	
LVIG	Laguna Verde	
LVK	Lovelock	
LV-LA	Liddieville	
LVMM	Veracruz	
LVN	Las Vegas	
LVNJ	Long Valley	
LVP	Lakeview Peak	
LVR	Liverpool	
LVRI	Lost Valley Reservoir	
LVS	La Villa de Los Santos	
LVU	Levan Peak	
LVV	L'vov	
LVVM	Laguna Verde	
LVW	Las Vegas	
LVY	Levy	
LVZ	Lovozero	
LW-	Lake Wenatchee	LW-WA
LWA	Lower Mag Wash	
LWH	Whinny Nab	
LWI	Lwiro	
LWLI	Liwa	
LWN	416	
LW-WA	Lake Wenatchee	
LXQ	La Grande 3	
LXR	Lexington Reservoir	
LYLS		
LYMT	Lyon Mountain	
LYNC	Lynnwood City Hall ANSS-SMO	
LYNN	Rosslynne Res.	
LYP	Liyang	
LYUB	Lan-yu	
LYW	Lyman	
LY-WA	Lynden	
LZ-	La Paz	LZ-BV
LZB	Mount Lazard	
LZ-BV	La Paz	
LZG	Guadaloupe-1	
LZH	Lanzhou	
LZLA	Zalla	
M01C	Crescent City	
M02C	Callahan	
M03C	McCloud	
M04C	Macdoel	
M05C	Lookout	
M06C	Likely Place Golf, Likely	
M07A	Soldier Meadows	
M08A	Happy Creek Ranch, Winnemucca	
M09A	Marrel Ranch, Paradise Valley	
M10A	I.L. Ranch, Tuscarro	
M11A	Holland Ranch, North Fork	
M12	M12	
M12A	Wells	
M13A	Montello	
M14A	Sheep Mountain BLM, Rosette	
M15A	Larsen Ranch, Promontory	
M16A	Huntsville	
M17A	Scullys Gap (BLM), Evanston	
M18A	Lyman	
M19A	Rock Springs	
M20A	Sweetwater, Wamsutter	
M21A	Separation Peak, Rawlins	
M22A	Cedar Creek Ranch, Saratoga	
M23A	Laramie	
M24A	Cheyenne	
M25A	Palm-Egli Farm, Albin	
M26A	McRoberts Ranch, Bridgeport	
M27A	Reverse DX Ranch, Oshkosh	
M28A	Bar X Bar Ranch, Keystone	
M29A	Burnside Ranch, Stapleton	
M30A	Dale-Ortello Valley, Anselmo	
M31A	Lambtecht Ranch, Loup City	
MA1	Montasola	MNS
MA2	Magadan	
MA9	Marino	
MAA	Manantiales	
MAB1	Monte Acero	
MABC	Malibu	
MABI	Malga Bissina	
MAC	Mark West Springs	
MACE	Macas	
MACH	Maria Elena	
MACI	Morro de la Arena	
MACK	Trabzon	
MACM	Macedon	
MAD	Madang	
MADF	Madeleine	
MADG	Magdalen Islands	
MADN	Villa Maderas	
MADO	Madoc	
MADS	Madsous	
MAE	Maebashi	
MAEJ	Maebashi 2	
MAF	Mazirat	
MAG	Magadan	
MAG1	Magdalena	
MAGA	Magasa	
MAGD	Magdalena	
MAGG	Maguga Dam	
MAGK	Magadi	
MAGT	Magosa	
MAH	Mahableshwar	
MAHO	Mahon	
MAHZ	Mahia	
MAI	Maizuru	
MAIG	Mazatlaan	
MAIM	Mastiano	
MAIO	Mashhad (SRO)	
MAIT	Maitri	
MAJ	Maron	
MAJO	Matsushiro	
MAK	Makhachkala	
MAKK	Maki	
MAKR	Makrakomi, Fthiotida	
MAKT	Makukawa	
MAKU	Maku	
MAKZ	Makanchi	
MAL	Malaga	
MALC	Bahia Malaga	
MALG	Malagash, Nova Scotia	
MALI	All	
MALM	Malindi	
MALO	McAlpine Lake	
MALT	Malatya	
MAM	Mambajao	
MAMC	Mammari	
MAME	Mamelis	
MAMG	Mamou	
MAMI	Mei-Ami	
MAMO	Mamousia	
MAN	Manila	
MAN1	Correggio Man	
MANF	Vacherie de Mantegas, la Bollene-Vesubie	
MANI	Manica	
MANM	Veracruz	
MANR	Mangalia	
MANS	Anshas	
MANT	Manisa	
MANU	Manus Island	
MANV	Manamana	
MANY	Mount Airy	
MANYT	Many	
MANZ	Manzenberg	
MAO	Monte Argentario	
MAOD	Malaho	
MAON	Monte Argentario	
MAP	Mactan	
MAPC	Malpelo	
MAPI	Mapinhane	
MAPV	Macapo	
MAR	Marseilles	
MARA	Maracay	
MARB	Ma'rib	
MARC	Maricopa	
MARD	Mardin	
MARE	Marsico Vetere	
MARG	Lake Margaret	
MARH	Ras Al Marh	
MARI	Martimbang	
MARJ	Al Marj	
MARK	Kumluca	
MARL	Marlboro	
MARM	Chiapas	
MARMO	Marston	
MARN	Marana (Italy)	
MART	Mareth	
MARV	Martvili	
MARY	Rancho Maria	
MARYW	Marymoor Park	
MARZ	Manawahe	
MAS	Mason Butte	
MASB	Masset	
MASC	Masc	
MASH	Mash'abbe Sade	
MASI	Maura Aman, Bengkulu	
MASJ	El Maslubiya	
MASN	Masaya	

Code	Station Name	Other
MASO	Asolo, Italy	
MASR	Amasra-Bartin	
MASU	Masugnsbyn	
MAT	Matsushiro	
MAT0	Matsushiro Array Site 0	
MAT1	Matruh	
MATB	Ma-tsu	
MATC	Matruh	
MATE	Matera	
MATF	Mathat	
MATH	Matsumotoyama	
MATI	Mati	
MATL	Matarih	
MATM	Matthews	
MATP	Matopo	
MATQ	Matagami	
MATS	Near Sharaf	
MATTE	Schuetzenmatte (BS)	
MAU	Matua	
MAUI	Maui	
MAVI	Loma El Joboban	
MAVM	Malinalco, Edo de Mexico	
MAW	Mawson	
MAX	Makhata	
MAY	Mayfield	
MAYB	Maynard	
MAYR	Mayorazgo	
MAZ	Mazatlan	
MAZI	Mazidag	
MAZR	Mazracia	
MB-	McComb	MB-MS
MBA	Mount Bingar	
MBAR	Mbarara	
MBAT	Mbeya	
MBBY		
MBC	Mould Bay	
MBDF	Montbardon	
MBEL	Montebelluna (TV), Italy	
MBET	Bethel	
MBFM	Blanchard Fire Station	
MBG	Matouba	
MBGA		
MBGB		
MBGE		
MBH	Mount Berech	
MBI	Menan Buttes	
MBIG	Mexicali	
MBJ	Montego Bay	
MBL	Marble Bar	
MBLG		MLGT
MBMH		
MB-MS	McComb	
MBO	M'Bour	
MBPA	Monroe Substation	
MBRI	Mt Berech	
MBRV		
MBRY		MRYT
MBSI	MBSI	
MBSS		
MBT	Marble Bar	
MBU	Bua	
MBUT	Moab	
MBV	Mont Bernier	
MBW	Mount Baker	
MBWA	Marble Bar	
MBWH		
MBZ	Menzel Bouzelfa	
MC-	Mitchell	MC-SD
MCA	Marble Canyon	
MCAB	Moca	
MCAD	Moucha	
MCAR	Mid-South CC	
MCARA	McCarthy VSAT	
MCAS	Mount Castle	
MCB	Moose Creek Bluff	
MCC	Mica Creek	
MCCM	Marconi Conference Center, Marshall	
MCD	Coleburn Distillery	
MCE	Mica Creek	
MCEL	Monticello	
MCEM	Central Site	
MCG	Mt St Catherine	GRW
MCGN	Macugnaga	
MCH	Masachapa	
MCH1	Michaelchurch	
MCHM	Carson Hill	CRH
MCHV	Machiques	
MCHZ	McNeill Hill	
MCI	Monte Cassino	
MCID	Moose Creek	
MCIL	McClure	
MCIR	Makushin Cirque	
MCIV	Monte Civitella	
MCJ	Malvern	
MCK	McKinley	
MCKN	MacKay Lake North	
MCL	McNeil River	
MCLT	Moule a Chique	
MCM	McMurdo Sound	
MCMB1	Michelle Canyon Maxwell	
MCMN	McManaman Lake, Nunavut	
MCMT	McKenzie Canyon	
MCN	Mercury	
MCNL	McNeil River	
MCO	Coloane	
MCOR	Cornuda. Italy	
MCP	Moca	
MCPI	Mackay Peak	
MCPQ	Mount Cooper	
MCPZ		
MCQ	Macquarie Island	
MCR	Mercer	
MCRR	Mono Craters	
MCRV	Calabrutti - M.te Cervialto	
MCS	Marcus Island	
MC-SD	Mitchell	
MCSJ	Minami-tori-shima	
MCSM	Casa Diablo Hot Springs	
MCSR	Castroreale	
MCT	Mte Cammarata	
MCU	Monte Cristo Peak	
MCUM	Copperopolis	
MCV	Mercury	
MCVV	Moc Chau	
MCW	Mount Constitution	
MCWV	Mont Chateau	
MCY	Mercury	
MD1	Moodus	
MD2	Moodus	
MD3	Moodus	
MD4	Moodus	
MD5	Moodus	
MDA	Mount Davis	
MDAL	Dalia	
MDB	Medias	
MDC	Mount Diablo	
MDD	Madrid	
MDG	Madang	
MDGS	Mont de Guillon, France	
MDI	Monti di Nese	
MDJ	Mudanjiang	
MDL	Mandileni	
MDM	Murphy Dome	
MDN	Morne-Daniel	
MDND	Maddock	
MDNY	Mudanya-Bursa	
MDO	Dochfour	
MDR	Madras	
MDRJ	Muduarah	
MDRM	Moondarra Dam	
MDRS	Chennai	
MDRV	Mala Drenova	
MDS	Madison	
MDSI	Maura Dua	
MDSJ	Mudaysisat	
MDSM	Mandiavato	
MDT	Midelt	
MDU	Mudurnu	
MDUB	Mudurnu	
MDUM		
MDV	Middlebury	
MDVM	Presa Madin	
MDVR	Moldovita	
MDW	Midway	
MDY	Midway	
MDZ	Mendoza	
ME-	Merritt	ME-BC
ME01	Mistretta	
ME02	San Fratello	
ME03	Palmi	
ME04	Brognaturo	
ME05	Diga del Menta	
ME06	Antenna a Mare	
ME07	Castell'Umberto	
ME09	Pentidattilo	
ME10	Cittanova	
ME12	Panarea 2	
ME15	Gioiosa Marea	
MEA	Monteagle	
MEAN	Meany Midle School ANSS-SMO	
MEB	Medea	
ME-BC	Merritt	
MEC	Mechernich	
MECC	Mecca Hills	
MECH	Mejillones	
MECU	Ecuador Network	
MED	Medan	
MEDC	Medellin	
MEDO	Medina	
MEDT	Meda	
MEDY	Medina	
MEE	Meerut	
MEEK	Meekatharra	
MEF	Metsahovi	
MEG	Meangora	
MEGN	Megha	
MEGW	Megler CREST BB SMO	
MEH	Mehetia	
MEI	Melilli	
MEIG	Mezcala	
MEK	Meekatharra	
MEKA	Meekatharra	
MEL	Melbourne	
MELA	Melanico ??? S. Croce di Magliano	
MELF	Melles	
MELI	Melilla	
MELS	Mels	
MELSS	Ber_school_2	
MEM	Membach	
MEMM	East Mammoth Hills	
MEMT	Mount Ellis	
MEN	Mendoza	
MENA	Menton	
MENF	Mencas	
MENI	Mendum Tagoi	
MENT	Mentasta	
MEO	Meers	
MEP	Mte del Estrado	
MER	Merida	
MERA	Merate	
MERK	Meru	
MERS	Mersin	
MERV	Las Mercedes	
MES	Messina University	
MES1	Messina Univ.	MES
MESA	MESA	
MESC	Monte Escuro	
MESG	Mesagne	
MESJ	Messejana	
MESS	Mesas	
MEST	Erdemli	
MET	Memphis--Engineering Building	
METS	Metsamor	
MEU	Monte Lauro	
MEV	Metsovon	
MEW	McNeil Island	
MEX	Mexico City	
MEZ	Mezhgor'ye	
MEZF	Maizieres J'ville	
MF-	Medford	MF-WS
MFA	Mitchell Field	
MFAN	Fanzolo, Italy	
MFCH	Minera del Fierro	
MFF	Saint Martin du Fouilloux	
MFI	Fishrie	
MFID	Camas Ranch	
MFM	Minneapolis	
MFNL	Monte Finestrelle	
MFO	Meers Fault	
MFP	Moca	
MFRE	Fregona, Italy	
MFS	McCloud Flat South	
MFSFA	Multi FST (Faido)	
MFSFB	Multi FST (Faido)	
MFSM	McCloud Flat S	MFS
MFT	Murefte	
MFTN	Millsfield	
MFW	Milton-Freewater	
MF-WS	Medford	
MGA	Milagra Ridge	
MGAB	Montegabbione	
MGAN	Managua	
MGAT		MBGA
MGB	Mount Grey	
MGBA	MARTIN GARCIA	
MGBB	Grossbuechelberg	
MGBR	Mount Gambier	
MGC	Mingacevir	
MGCB	McGee Creek	
MGCD	Mangrove Creek Dam	
MGD	Magadan 1	
MGER	Gerania Oros	
MGG	Marie-Galante	
MGH	Saint George's Hill	
MGI	Mount Gilboa	
MGJ	Motegi	
MGL	Magalia	
MGLS	Mageik Landslide	
MGM	Magruder Mountain	
MGMO	Mountain Grove	
MGN	Mengen	
MGNC	Mount Gibbes	
MGO	Magodro	
MGOD	Makushin Gods Own Repeater Site	
MGP	Maguayo	
MGPB	Maguayo	
MGR	Morigerati	
MGRD	Malga Garda, Italy	
MGRZ	Megri	
MGS	Middleton Gardens	
MGTN	Margaret Lake	
MGU	Meadow Creek Golf Course	
MGUL	San Miguel	
MGV	Manicaragua	
MGVT	Montgomery	
MGZ	Maungaku	
MH-	Mitchell	MH-NB
MHA	Mahukona	
MHAI	Haid-Arzberg	
MHC	Mount Hamilton	
MHD	Mile High Drive	
MHDL	Marin Headlands	
MHEZ	Mangahewa	
MHGZ	Mahia Peninsula	
MHI	Mashad	MAIO
MHIT	MHIT	
MHJ	Mihama	
MHK	Manhattan	
MHL	Milos	
MHLO	Agia Marina, Milos Island	
MHMT	Maesarieng	
MH-NB	Mitchell	
MHPQ	Mount Hope	
MHR	Mount Hamilton Road	
MHS	Mammoth Hot Springs	
MHT	Manhattan	
MHV	Michnevo	
MHZ	Mount Horn	
MIA	Miami	
MIAR	Mount Ida	
MIB	Mutribah	
MIC	Michilla	
MICGM	Minsk	
MID	Middleton Island	
MIDA	Miranda	
MIDW	Midway	
MIF	Mishlifen	
MIGL	Miglionico	
MII	Malini	
MIK	Minitrack	
MIKA	Lake Mikany	
MIKI	Bielsko-Biala	
MIKN	Mikawa	
MIL	Milan	
MILA	Mila	
MILG	Mill City	
MILK	Milimani	
MILM	Milestii Mici	
MILN	Milano	
MILT	Milan	
MILZ	Milazzo	
MIM	Milo	
MIN	Mineral	
MINB	Miramichi	
MINR	Mina	
MIO	Marion Island	
MIOU	Port Miou	
MIP	Matupit	
MIPR	Malaya Ipel'ka	
MIQ	Maniwaki	
MIR	Mirnyy	
MIRA	Miradouro	
MIRC	Martinez Indian Reservation	
MIRN	Miramar	
MIS	Mishima	
MISD	Mianeh	
MIST	Miston	
MISV	Misoa	
MIT	Mito	
MITH	Mitoyo	
MITM	Mitta Mitta	
MIV	Mineville/Witherbee	
MIW	Mizusawa	MIZ
MIX	Mix Canyon Road	
MIY	Miyako	
MIYJ	Miyakonagasawa	
MIZ	Mizusawa	
MIZN	Minamiizu	
MJ00	Matshushiro Site	
MJ01	Matsushiro Array Site 1	
MJ02	Matsushiro Array Site 2	
MJ03	Matsushiro Array Site 4	
MJ04	Matsushiro Array Site 4	
MJ05	Matsushiro Array Site 5	
MJ06	Matsushiro Array Site 6	
MJ2	May Junction 2	
MJA0	Matsu Arr-Jizo	
MJA1	Matsu-Toyosaka	
MJA2	Matsu-Nakaone	
MJA3	Matsu-Soehiyama	
MJA4	Matsu-Jizotouge	
MJAR	Matsushiro Array Beam Reference Point	
MJAS	Monjas	
MJB1	Matsu-Takimoto	
MJB2	Matsu-Sugadaira	
MJB3	Matsu-Daira	
MJB4	Matsu-Nakagumi	
MJB5	Matsu-Yatsubo	
MJB6	Matsu-Irikaruiz	
MJB7	Matsu-Wadaira	
MJB8	Matsu-Inaba	
MJB9	Matsu-Tunnel	
MJHT	Jackboy Hill	
MJM	Morne Jacques	
MJMA	Al Majma'ah	
MJP	Mount John Pukaki	
MJSI	Majene	
MJW	Madison Junction	
MJZ	Mount John	
MK-	Marked Tree	MK-AR
MK01	Makanchi Array site	
MK02	Makanchi Array site	
MK03	Makanchi Array site	
MK04	Makanchi Array site	
MK05	Makanchi Array site	
MK06	Makanchi Array site	
MK07	Makanchi Array site	
MK08	Makanchi Array site	
MK09	Makanchi Array site	
MK31	Makanchi Array site	
MK32	Makanchi Array site	
MKA	Makaopuhi	
MKAR	Makanchi Array Beam Reference Point	
MK-AR	Marked Tree	
MKAZ	Moumakai	
MKC	Moncks Corner	
MKH	Mauna Kea	
MKIT	Kithairon Oros	
MKJ	Miyake jima	
MKL	Maskali	
MKMT	Mink Peak	
MKN	Medicine Creek Dam	
MKNA	Makna	
MKO	Miyako	
MKPT	Marks Point, NSW, Australia	
MKRJ	Makawir	
MKRZ	Makatiti	
MKS	Makassar	
MKT	Machtesh Katan	
MKW	Mikawa	
MKY	Makeyevka	
MKZ	Mys Kozlova	
ML-	Mogollon	ML-NM
ML1	Mono Lake	ML1CL
ML1CL	Mono Lake	
ML2	Mono Lake	ML2CL
ML2CL	Mono Lake	
ML3	Mono Lake	ML3CL
ML3CL	Mono Lake	
ML4	Mono Lake	ML4CL
ML4CL	Mono Lake	
MLA	Malaspina Glacier	
MLA1	Latheron	
MLAC	Mammoth Lakes Airport	
MLAL	Sawyerville	
MLB	Malabar	
MLC	Manzanita Lake	
MLD	Malden	
MLDM	Malden	
MLE	Mileto	
MLF	Milford	
MLFH	Mildenfurth	
MLG	Mont-d'or	
MLGT	Long Ground	
MLH	Mauna Loa	
MLI	Malad Range	
MLK	Milford Reservoir	
MLK*	Malo-Kuril'sk	
MLL	Mill Creek	
MLM	Mesa Lucero	
MLN	Mulungwishi	
MLNI	Malnisio	
ML-NM	Mogollon	
MLNT	Millington	
MLOA	Mauna Loa Observatory	
MLON	Marlo Lake	
MLP	Malaspina Glacier	MLA
MLQ1	Kipawa	
MLQ2	Temiscaminque	
MLR	Muntele Rosu	
MLS	Moulis	
MLSB	Milas	
MLSI	Meulaboh, Aceh	
MLT	Malta	
MLTT	Malatya	
MLV	Malvaux	
MLW	Milwaukee	
MLWM	Molesworth	
MLX	Mauna Loa 2	
MLY	Manley	
MLYF	Mely	
MLYT	Lee's Yard	
MLZ	Mavora Lakes	
MM-	McMinnville	MM-TN
MMA	Mummy Mountain	
MMA0	Mount Meron array	
MMA0B	Mount Meron array	
MMA1	Mount Meron array	
MMA2	Mount Meron array	
MMA3	Mount Meron array	
MMA4	Mount Meron array	
MMAI	Mount Meron Array Beam Reference Point	
MMAR	Mareno di Piave, Italy	
MMB	Musomiste	
MMB1	Mount Meron array	
MMB2	Mount Meron array	
MMB3	Mount Meron array	
MMB4	Mount Meron array	
MMBI	Montebello Ionico	
MMC	Middle Cape	
MMC1	Mount Meron array	
MMC2	Mount Meron array	
MMC3	Mount Meron array	
MMC4	Mount Meron array	
MMC5	Mount Meron array	
MMC6	Mount Meron array	
MMC7	Mount Meron array	
MMCS	Mount Moriah Church	
MMCZ	Mount Michael	
MME	Monte Cimone	

Code	*Station Name*	*Other*
MME1	Meikle Cairn	
MMG	Magdalena	
MMGO	Monte Magaggiaro	
MMIG	Aquila	
MMK	Mattmark	
MML	Mount Malkishua	
MMLI	Mount Malkishua	
MMM	Pea Ridge Mine	
MMME	Mongiuffi-Melia	
MMN	Mormanno	
MMNB	Middle Mountain	
MMNY	Mt. Morris Dam	
MMO	Medio Mundo	
MMP	Mount Mary	
MMPH	Masbate	
MMPI	Merauke	
MMPM	Mammoth Pass	
MMR	Mount Meron	
MMRI	Maumere	
MMS	Matam	
MMSI	Mamuju	
MMT	Marsa Matruh	
MM-TN	McMinnville	
MMU	Miners Mountain	
MMWM	Mi Wuk Village	
MMY	Middlesmoor	
MN-	Mina	MN-NV
MNA	Mina	
MNAI	Manna	
MNAS	Manas	
MNAT	Makushin Nateekin	
MNB	Mounoet Dainard	
MNC	Moncalieri	
MNCI	Minicoy	
MNCY	Minicoy	
MND	Mandalay	
MNDI	Mendi	
MNE	Mineo	
MNFI	Manof	
MNG	Mangahao	
MNGI	Mangalore	
MNGR	Mingechevir, Azerbaijan	
MNH	Munich	
MNHK	Manihiki	
MNHM	New Hogan Reservoir	
MNI	Manado	
MNJ	Mineoka	
MNK	Minsk	
MNKH	Manakhah	
MNKR	ALMNKUR	
MNL	Mangla	
MNM	Minneapolis	
MNMC	Min@16e Min@16e	
MNN	Minneapolis	
MN-NV	Mina	
MNO	Monte Soro	
MNP	Morong	
MNQ	Manicouagan	
MNR	Mines Road	
MNRC	McLaughlin Natural Reserve	
MNRI	Mount Meron	
MNS	Montasola	
MNSI	Mandailing Natal	
MNSR	Manas	
MNT	Montreal	
MNTQ	Montreal, Quebec	
MNTV	Mantova	
MNTX	Cornudas Mountains	
MNU	Milford North	
MNV	Mina	
MNW	Monowai	
MNWA	Manchester	
MNY	Monteynard	
MNYS	Manysh	
MNZ	Manzanillo	
MO-	Mountain Home	MO-ID
MOA	Molln	
MOAB	Moab Khotsong	
MOAC	Moa	
MOB	Menlo Park	
MOBB	Monterey Bay OB	
MOBC	Moresby Island	
MOBN	Mombacho	
MOC	Mount Cameroon	
MOCA	Moca	
MOCB	Mochara	
MOCH	Los Molles	
MOCL	Monte Cuccoli	
MOCN	Mocoron	
MOCO	Biccari - m.te Cornacchia	
MOD	Modoc	
MODE	Modena	
MODR	Mondragone	
MODS	Modra-Piesok	
MODW	Modelwitz	
MOE	Montemor	
MOF	Molkenrain	
MOG	Mogadiscio	
MOGR	Mogosoaia	
MOH	Mohaka	
MOHS	Muhayil	
MOI	Mount Montar	
MO-ID	Mountain Home	
MOIG	Morelia	
MOIN	Puerto Moin	
MOK	Mokapu	
MOKC	Mount Cameroon	
MOKO	MOKOCHONG	
MOKY	Morganfield	
MOL	Molde	
MOLA	ALG	
MOLE	Moliterno	
MOLL	Mollejon	
MOM	Momote	
MOMI	Momias	
MOMJ	Momotombo	MOMN
MOMN	Momotombo	
MOMR	Moma	
MOMT	Monida	
MON	Monaco	
MONC	Moncucco Torinese	
MONE	Monesi	
MONJ	Montclair	
MONL	Mont	
MONM	Monmouth	
MONO	Monmouth DOGAMI SMO	
MONP	Monument Peak	
MONR	Mono Valley	
MONV	Montecano	
MOO	Moorlands	
MOON	Moon Mountain	
MOOW	Moose Ponds	
MOP	Monarch Peak	
MOPA	Mopani	
MOPM	Molcaxac	
MOQ	Mont Orford	
MOR	Mori	
MOR1	Moi Rana	
MOR2	Moi Rana	
MOR3	Moi Rana	
MOR4	Moi Rana	
MOR5	Moi Rana	
MOR6	Moi Rana	
MOR7	Moi Rana	
MOR8	Moi Rana	
MORC	Moravsky Beroun	
MORF	Marmelete	
MORG	Mount Morgan	
MORO	Morrocoy	
MORS	Morshin	
MORW	Morawa	
MOS	Moscow	
MOSI	Grossmontoni	
MOSO	Mohican School	
MOT	McDonald Observatory	
MOT1	McDonald Obs.	
MOT2	McDonald Obs.	MT2
MOT3	McDonald Obs.	
MOT4	McDonald Obs.	
MOTA	Moosalm	
MOTN	Model	
MOUT	Mount Ogden	
MOV	Morovis	
MOV1	Cotopaxi Vol south	
MOVZ	Moawhango	
MOW	Moikau	
MOX	Moxa	
MOY	Mondy	
MOYM	O'Byrne Ferry	
MOYN	Moyogalpa	
MOZ	Mahoenui	
MOZS	Mozjanca	
MP-	Mountain Pine	MP-AR
MPA	Moose Pass	
MPAL	Palemas	
MPAR	Parnis Oros	
MP-AR	Mountain Pine	
MPAZ	Palizzi	
MPDM	Moonee Ponds	
MPEP	Malo Peshtene	
MPG	Monte Pellegrino	
MPGF	Montagnes des Peres	
MPH	Memphis	
MPI	Mount Pinos, Frazier Park	
MPK	Martis Peak	
MPL	Maple valley SMO-IDS24	
MPM	Monte-Pele	
MPMC	Manual Prospect Mine,Trona	
MPNC	Port Mandanici	
MPOR	Mary's Peak	
MPP	Mount Pasian	
MPPO	Murphy's Point	
MPR	Mayaguez	
MPRD	Prada, Italy	
MPRI	Monte Prat	
MPRO	Farra di Soligo, Italy	
MPSI	Mapaga	
MPT	Matupit Island	
MPTV	Morphett Vale	
MPU	Maple Canyon	
MPVT	Montpelier	
MQI	Macquarie Island	
MQZ	McQueen's Valley	
MR-	Middleburg	MR-PA
MR01	Monticello Reservoir Site 1	
MR02	Monticello Reservoir Site 2	
MR03	Monticello Reservoir Site 3	
MR04	Monticello Reservoir Site 4	
MR05	Monticello Reservoir Site 5	
MR06	Monticello Reservoir Site 6	
MR07	Monticello Reservoir Site 7	
MR08	Monticello Reservoir Site 8	
MR09	Monticello Reservoir Site 9	
MR10	Monticello Reservoir Site 10	
MR6*	Monte Rosa	
MRA	San Martin	
MRAT	Mt Rat	
MRB	Monserrat	
MRB1	Monte Rocchetta	
MRC	Montrose	
MRCB	Reggio Calabria	
MRCM	Red Rock Canyon	
MRCP	Maricao	
MRD	Mojave River Dam	
MRE	Mariestad	
MREF	Refrontolo, Italy	
MREP	Makushin Rep'tr	
MRF	Miraflores	
MRFM	Railroad Flat South	
MRFT	Murafatepe	
MRG	Morgantown	
MRGE	Morge	
MRH	Marewa	
MRHQ	Morin Heights	
MRHZ	Matea Rd	
MRI	Mauritius Island	
MRIN	Marion BPA Site DOGAMI SMO	
MRIV	Mauritius Meteorological Services (Vacoas)	
MRJ	Moriya	
MRK	Morioka	
MRKA	Markates	
MRKH	Merkhyat	
MRKJ	Morioka 2	
MRL	Marmol	
MRLC	Muro Lucano	
MRMA	Marmari	
MRMJ	Muroto Misaki	
MRMT	Marmara Adasi	
MRN	Sint Maarten	
MRNI	Mount Meron	
MRNQ	Morin Heights	
MRO	Meridian	
MROB	Rosenbuehl-Arzberg	
MRP	Merapi	
MR-PA	Middleburg	
MRPI	Mariponipon	
MRR	Muroran	
MRRJ	Muroran 2	
MRS	Maars	
MRSB	Marmaris-Mugla	
MRSI	Marisa	
MRSJ	Marsad	
MRSS	Morshin	MORS
MRT	Murotomisaki	
MRT2	Murotomisaki 2	
MRVC	Morongo Valley	
MRVI	Mt Valcellina	RCL
MRVN	Minervino Murge	
MRVT	Maraveh tapeh	
MRW	Makara Radio	
MRWA	Morawa	
MRX	Morelia	
MRY	Mary	
MRYT		
MRZ	Mangatainoka River	
MRZ1	Merzbaher-Enilchek	
MS-	Montrose	MS-PA
MS1	Monte Sant'Angelo (FG)	
MSA	Mount San Antonio	
MSAB	Monastry St. Andrei	
MSAG	Monte S. Angelo	
MSAI	Masohi	
MSAL	Mont Sano	
MSAR	Manila South	
MSB	Manso	
MSB1	Montesarchio	
MSBB	Schoenbrunner Berg-Wunsiedel	
MSC	Monte Massico	
MSCL	Scilla	
MSCO	Mesa State College	
MSCZ	Moutere Station	
MSDA	Masada	
MSE	Moose Creek	
MSEY	Mahe Island	
MSF	Maaselka	
MSFR	San Fratello	
MSG	Moessingen	
MSGF	Morne Soldat	
MSH	Mashhad	
MSH11	Mount St. Helen	
MSH21	Mount St. Helen	
MSH31	Mount St. Helen	
MSHA	Masjed Soleyman	
MSHR	Mys Shultsa	
MSI	Messina ING	
MSJ	Mission San Jose	
MSK	Misaki	
MSKJ	Misakubo	
MSKU	Masuku	
MSL	Mosul	
MSLP	Maasin	
MSM	Mount Sar Shalom	
MSMT	Mission Creek	
MSN	Misono	
MSNA	Messina	
MSNJ	Montclair St. U.	
MSNO	Moosonee Ontario	
MSNY	Massena	
MSO	Missoula	
MSOM	Makushin Julie Andrews	
MSON	Mazon	
MSP	Mount Santo Tomas	
MS-PA	Montrose	
MSPT	Saint Patrick	
MSR	Malnas	
MSRU	Castanea	
MSS	Messtetten	
MSSA	Maissana	
MSSI	Masamba	
MST	Mostar	
MSTB	Masset	
MSTD	Santandra', Italy	
MSTM	Stent	
MSTX	Muleshoe	
MSU	Marysvale	
MSUEL	Midwestern State University	
MSV	Monasavu	
MSVF	Nonsavu	
MSW	Makushin Switchbacks	
MSWZ	Moikau Station	
MSZ	Milford Sound	
MT1	Boracho Peak	
MT2	Eagle Mountain	
MT3	Miller Ranch	
MT4	Brite Ranch	
MTA	Mtatsminda	
MTAZ	Motutapu	
MTB	Montebello Ridge	
MTBL	Makushin Table Top	
MTC	Morgan Territory	
MTCE	Montecelio	
MTD	Mount Darwin	
MTDJ	Mount Denham	
MTE	Manteigas	
MTG	Montague Island	
MTGE	Mitogawa	
MTGR	Montagna Grande	
MTH	Montachique	
MTHF	Mouthoumet	
MTI	Mount Irish	
MTIG	Mestia	
MTJ	Mount Tsukuba	TSK
MTK	Mitaka	
MTKI	Muara Teweh, Kalimantan	
MTKN	Mount Kenneth	
MTKZ	Martakert	
MTL	Mount Taylor	
MTLAZ	Mount Logan	
MTLF	Montolieu	
MTLM	Mount Tassie Tower	
MTLO	Montello	
MTM	Matsumoto	
MTMJ	Matsumoto	
MTMW	Mount Mitchell	
MTN	Manton Dam	
MTNG	Tinghir	
MTNI	Mataram	
MTNZ	Martuni	
MTO	Montecristo	
MTO2	Montecristo 2	
MTOM	Cavaso del Tomba, Italy	
MTOR	TORKOZ	
MTP	Monte Pirata	
MTPB	Monte Pirata	
MTPC	Mountain Pass	
MTPM	Central Michigan University	
MTPU	Mount Pierson	
MTQ	Monturaqui	
MTR	Monterey	
MTRD	Mount Read	
MTRZ	Monterenzio	
MTS	Matsue	
MTSA	Monte Escuro	
MTSE	Matsula	
MTSH	Mount Sheppard	
MTSN	Montesano sulla Marcellana	
MTST	Matsu	
MTSU	Mount Surprise	
MTT	Monetta	
MTTG	Motta San Giovanni	
MTU	Montague Island	
MTUM	Tungsten Hills	
MTUR	Matau	
MTUT	Morton Thiokol	
MTV	Mount Tassie	
MTVR	Mutnovka	
MTVZ	Mangateitei	
MTW	Mount Morrison	
MTX	Marathon	
MTY	Matsuyama	
MTZ	Montezuma	
MTZV	Met	
MU-	Mt Baker	MU-WA
MUB	Muncho Lake	
MUCO	Mount Union College	
MUCR	Ucria	
MUD	Monsted U'grnd	
MUDI	Mud Lake	
MUDJ	Muduarah	
MUGIO	Muggio	
MUGL	Yilanlidag	
MUGZ	Murupara	
MUI	Mashhad University	
MUIF	Mont Vial	MVIF
MUJ	Mitsuishi	
MUK	Mukerian	
MUKH	Al Mukha	
MUKL	Al Mukalla	
MUKU	Mukachevo	
MUL	Mullan	
MULD	Muldenberg	
MUM	Manipur University	
MUMO	Musselwhite Mine	
MUMZ		
MUN	Mundaring	
MUNC	Munchique	
MUO	Muotathal	
MUR	Murgab	
MURB	Monte Urbino	
MURC	Murrieta	
MURR	Camp Murray	
MUS	Muskinabad	
MUSH	Mushullacta	
MUT	Mudurnu	
MUTC	Mutkov	
MU-WA	Mount Baker	
MUX	Union Juarez	
MUZ	Mutare	
MUZF	Muzaffarabad	
MV-	Marysville	MV-CL
MV-CL	Marysville	
MVCO	Mesa Verde	
MVG	Mesters Vig	
MVH	Mountain View	
MVH1	Achvaich	
MVI	Minamidaito jima	
MVIF	Mont Vial	
MVKY	Maysville	
MVL	Millersville	
MVLT	Maryville	
MVM	Montagne Vauclin	
MVMO	Maryville College	
MVNO	Noumea	
MVO	Moncorvo	
MVOV	Montserrat Volcano Observatory	
MVT	Monte Vettore	
MVU	Marysvale	
MVW	Mud Volcano	
MW-	Mattawa	MW-ON
MWA	Mag Wash	
MWAB	Mount Washington	
MWC	Mount Wilson	
MWG	Munster	
MWH	Mokuaweoweo	
MWI	Montserrat	
MW-ON	Mattawa	
MWPI	Manokwari, Papua	
MWS	Mawashi	
MWZ	Matawai	
MX-	Manchester	MX-TN
MXC	Moxie City	
MXMB	Maximikha	
MX-TN	Manchester	
MXZ	Matakaoa Point	
MY-	McCrory	MY-AR
MYA	Malataya	
MY-AR	McCrory	
MYD	Miyazu	
MYG	Matka	
MYI	Mount Yahel	
MYK	Miyako zima	
MYKA	Terra Mystica	
MYKOM	Kota Tinggi	
MYKS	Mirrayikh	
MYLDM	Lahad Datu	
MYNC	Murphy	
MYO	Myokensan	
MYP	Myponga	
MYR	Moyori	
MYRZ	Mayor Island	
MYT	Moyuta	
MYV	Myrviken	

Code	Station Name	Other
MYZ	Miyazaki	
MYZ2	Miyazaki 2	
MZ-	Mount Ida	MZ-AR
MZA	Mariazell	
MZ-AR	Mount Ida	
MZBI	Masada	
MZDA	Masada	
MZE	Maze	
MZEK	Zeckenberg-Ebnath	
MZF	Mazirat	
MZH	Maizuru	
MZH2	Maizuru 2	
MZI	Mizumiiro	
MZLS	Mizel	
MZM	Mzuzu	
MZO	Mazie Landing	
MZP	Montezuma Peak	
MZRK	Al-Mazaregh	
MZT	Mikazuki	
MZVM		
MZX	Mazatlan	
MZZ	Mansa	
N001	Pisciano	
N002	Montecucco	
N004	Ronchi	
N02C	Big Bar	
N02D	Trinity Center, CA	
N06A	Buffalo Meadows, Empire	
N07A	Gerlach	
N07B	Gerlach	
N08A	GE Springer Mine, Mill City	
N09A	Rock Creek Ranch, Golconda	
N10	NORSAR Subarray 10C Beam Reference Point	
N10A	Dunphy	
N11	NORSAR Subarray 11C Beam Reference Point	
N11A	Elko Archery Club, Elko	
N12	NORSAR Subarray 12C Beam Reference Point	
N12A	Clover Valley, Wells	
N13	NORSAR Subarray 13C Beam Reference Point	
N13A	Wendover, West Wendover	
N14	NORSAR Subarray 14C Beam Reference Point	
N14A	Grayback Hills BLM, Clive	
N15A	Stansbury Island BLM, Grantsville	
N16A	Rees Ranch, Coalville	
N17A	Moffit Pass	
N18A	Larsen Ranch, Manila	
N19A	John Jarvie Ranch (BLM), Flaming Gorge	
N1R1	Vettahaugen	
N1R2	Lillevik	
N1R3	Nordsjona	
N1R4	Lillevand	
N1R5	Hammernes	
N1R6	Dalselv	
N20A	Spence Gulch, Sunbeam	
N21A	Black Mountain, Craig	
N22A	Wattenberg Ranch, Walden	
N23	N23	
N23A	Red Feather Lakes	
N24A	Carr	
N25A	Grover	
N26A	Koester Ranch, Padroni	
N27A	Anderson Farm, Haxtun	
N28A	Pribbeno Ranch, Imperial	
N29A	Votaw Ranch, Wellfleet	
N2B1	Tytingvag	
N2B2	Myklebust	
N2B3	Lovikneset	
N2B4	Drage	
N2B5	Haus	
N2B6	Leirgulen	
N2B7	Tytingvag	
N30A	Hueftle Ranch, Cozad	
N31A	Bailey Ranch, Gibbon	
N32A	Stulken Farm, Doniphan	
NA0	NORSAR 1A	NAO
NA11	North Anna	
NA12	North Anna	
NA2	North Anna	
NA5	North Anna	
NAA	Naalehu	
NAB	Nanaimo	
NABD	Nabeyama	
NABI	Nabire	
NAC	Naches	
NACB	Ninganchiao	
NACGM	Naroch	
NADR	Nagua	
NADZ	Nadzab	
NAE	Nake (Tuamotu)	
NAF	Naboro	
NAG	Nagoya	
NAGA	Nagaí Island	
NAGO	Nago	
NAGR	Nagutskaya	
NAH	Naha	
NAH1	Naha	
NAHD	NAHD	
NAI	Nairobi	
NAIG	Nisos Aigina	
NAIN	Natchez Trace	
NAIT	NWS Agricenter	
NAIU	Northern Antelope Island	
NAJS	Najran	
NAK	Naxcivan	
NAKO	Nairobi	NAI
NAL	Nallihan	
NALS	Nice, Jardin Alsace-Lorraine	
NAM	Namangan	
NAMA	Namatanai	
NAMS	An Nimas	
NAN	Nanjing	
NANO	Nakina Ontario	
NANS	Nanahuazin	
NANT	Nan	
NANU	Nanutarra	
NAO	NORSAR Subarray 1A Beam Reference Point	
NAO00	NORSAR Array Site 01A00	NAO
NAO01	NORSAR Array Site 01A01	
NAO02	NORSAR Array Site 01A02	
NAO03	NORSAR Array Site 01A03	
NAO04	NORSAR Array Site 01A04	
NAO05	NORSAR Array Site 01A05	
NAP	Napay	
NAPF	Napfberg	
NAPP	Napperby	
NAQJ	Ras En-Naqb	
NAQL	Naqoura	
NAR	Nara	
NAR2		
NARA	Nara (Leontica)	
NARJ	Nu aruja	
NARM	Nariel	
NARO	Abbazia di Naro	
NART	Narlikuyu	
NARZ	Nor Artik	
NAS	Nasaqa	
NAS1	Nasa	
NAS2	Nasa	
NASN	Na'in	
NASU	Vaermlandsnaes	
NAT	Natal	
NATB	Natividade	
NATG	Natashquan Quebec	
NATM	Nattai	
NATN	Natchez Trace	
NATX	Nacogdoches	
NAU	Nanutarra	
NAV	Narrows	
NAVD	Navidad	
NAX	Nakhchivan	
NAY	Al-Naaiem	
NAYO	Nakonayok	
NAZ	Nazwa, Dubai	
NB-	North Branch	NB-MN
NB2	NORSAR Subarray 2B Beam Reference Point	
NB200	NORSAR Array Site 02B00	NB2
NB201	NORSAR Array Site 02B01	
NB202	NORSAR Array Site 02B02	
NB203	NORSAR Array Site 02B03	
NB204	NORSAR Array Site 02B04	
NB205	NORSAR Array Site 02B05	
NB3	NORSAR Subarray 3B Beam Reference Point	
NB4	NORSAR Subarray 4B Beam Reference Point	
NB5	NORSAR Subarray 5B Beam Reference Point	
NB6	NORSAR Subarray 6B Beam Reference Point	
NB7	NORSAR Subarray 7B Beam Reference Point	
NBBI	Negara	
NBD	Nebitdag	
NBG	Las Nubes	
NBH	North Bay	
NBK	Nectar Brook	
NB-MN	North Branch	
NBNS	Bani Suef	
NBO	NORSAR Subarray 1B Beam Reference Point	
NBO00	NORSAR Array Site 01B00	NBO
NBO01	NORSAR Array Site 01B01	
NBO02	NORSAR Array Site 01B02	
NBO03	NORSAR Array Site 01B03	
NBO04	NORSAR Array Site 01B04	
NBO05	NORSAR Array Site 01B05	
NBOR	Nice, Mont Boron	
NBP	Mount Natib	
NBPM	Berryessa Peak	
NBPV	Pedro Velho	
NBRM	Beebe Ranch	BBR
NBW	Neah Bay	
NC2	NORSAR Subarray 2C Beam Reference Point	
NC200	NORSAR Array Site 02C00	NC2
NC201	NORSAR Array Site 02C01	
NC202	NORSAR Array Site 02C02	
NC203	NORSAR Array Site 02C03	
NC204	NORSAR Array Site 02C04	
NC205	NORSAR Array Site 02C05	
NC27	ODP1027	
NC3	NORSAR Subarray 3C Beam Reference Point	
NC300	NORSAR Array Site 03C00	NC3
NC301	NORSAR Array Site 03C01	
NC302	NORSAR Array Site 03C02	
NC303	NORSAR Array Site 03C03	
NC304	NORSAR Array Site 03C04	
NC305	NORSAR Array Site 03C05	
NC4	NORSAR Subarray 4C Beam Reference Point	
NC400	NORSAR Array Site 04C00	NC4
NC401	NORSAR Array Site 04C01	
NC402	NORSAR Array Site 04C02	
NC403	NORSAR Array Site 04C03	
NC404	NORSAR Array Site 04C04	
NC405	NORSAR Array Site 04C05	
NC5	NORSAR Subarray 5C Beam Reference Point	
NC6	NORSAR Subarray 6C Beam Reference Point	
NC600	NORSAR Array Site 06C00	NC6
NC601	NORSAR Array Site 06C01	
NC602	NORSAR Array Site 06C02	NRE0
NC603	NORSAR Array Site 06C03	
NC604	NORSAR Array site 06C04	
NC605	NORSAR Array Site 06C05	
NC7	NORSAR Subarray 7C Beam Reference Point	
NC8	NORSAR Subarray 8C Beam Reference Point	
NC89	ODP889	
NC9	NORSAR Subarray 9C Beam Reference Point	
NCA	Nelchina	
NCAD	Nice - Cite Administrative des Alpes-Maritimes	
NCAT	North Carolina A&T Campus	
NCB	Newcomb	
NCBC	Barkley Canyon	
NCDM	Cavedale Road	CRD
NCE	Nasa Cotopaxi	
NCEN	NEPTUNE Canada Endeavour node	
NCFM	Canfield Road	
NCG	North Capps Glacier	
NCHR	NEPTUNE Canada High Rise	
NCJ	New Castle	
NCK	Nalchik	
NCM	Ninemile Creek	
NCO	Norsar Array Site 01C00	
NCOR	Newberry Crater	
NCRB	Newcastle Ridge	
NCS	Nueva Concepcion	
NCT	North Crescent	
NCU	National Central University	
ND-	Needles	ND-CL
NDA	Nedlands	
NDB	Naden	
ND-CL	Needles	
NDE	Delaikoro	
NDF	Nadi	
NDHM	Dunnigan Hills	
NDI	New Delhi	
NDMT	Ninemile Divide	
NDNU	Novodnistrovsk	
NDR	Nardaran	
NE01	Goteborg	
NE02	Monsted	
NE03	Logumkloster	
NE04	Witteveen	WIT
NE05	Utrecht	
NE06	Dourbes	DOU
NE07	Villiers-Adam	VDM
NE08	Aigurande	
NE09	Les Eyzies	
NE10	Arette	
NE11	Ainzon	
NE11*	La Almunia	
NE12	Valle Caidos	
NE13	Puertollano	
NE14	Granada	
NE15	Valkenburg	
NE16	Clermont-Ferrand	CFF
NE17	Toledo	TOL
NE18	Les Rejaudoux	RJF
NE19		LGR
NE20		ALM
NE21		MTE
NE22		MAL
NE23		FBR
NE24		ALI
NE25		EBR
NE26	Santiago de Compostela	
NE27	Evora	EVO
NE28	Zamora	
NE30	Santa Pau	
NE31	Losser	
NE32	Kootwijk	
NE33		MEM
NE34	Mettingen	
NE35	Billerbeck	
NE36	Bochum	
NE37	Ubbergen	
NE38	Dalfsen	
NE39	Krefeld	
NE40	Winterswijk	
NE41	Zyfflich	
NE42	Fort Lent	
NE51	Saint Petersburg	
NE52	Pskov	
NE53	Naroch'	
NE54	Brest	
NE55	Skvira	
NE56	Odesa	
NE57	Homyel'	
NE58	Poltava	
NE61	Nurmija@14rvi	NUR
NE62	Kangasniemi	
NE63	Kauhava	
NEA	Nenana	
NEC	Neuchatel	
NED	Newark	
NEE	Needles	
NEE2	Needles Airport, Needles	
NEEM	North Greenland Eemian Ice Drilling site	
NEER	Neeritter	
NEF	NEVSHA	
NEGI	Seborga	
NEI	Neipperg	
NEJ	Negril	
NEL	Nelson	
NELS	Mount Nelson	
NEM	Nemuro	
NEM2	Nemuro 2	
NEMQ	Nemaska	
NEN	Nelson	
NENM1	Neno	
NEO	Neokhori	
NEST	Nestorio	
NEU	Neuchatel	
NEUB	Neuenburg	
NEUQ	Neuquen (mine)	
NEV	Hard Times	
NEVR	Nevel'sk	
NEW	Newport	
NEWO	Newport DOGAMI SMO	
NEY	Neytrino	
NEZ	North Egmont	
NFIM	Farallon Islands	
NFK	Norfolk Island	
NFP	NAFPAKTOS	
NFRM		FTR
NG-	Niagara	NG-WS
NGA	Galoa	
NGC	Ngoundere	
NGH	National Guard	
NGHE	Neginohata	
NGI	Nagai Island	
NGJ	Na-gawa	
NGJA	Assam	
NGJI	Ngawi	
NGL	North Gasline	
NGMR	NGMR	
NGN	Nagano	
NGNA	Nongstoin	
NGO	Nago	
NGO1	Nago	
NGP	Nagpur	
NGRK	Negar Kerman	
NGS	Nagasaki	
NGSJ	Nagasakinomozaki	
NGT	Nagatsuro	
NGVM		GVR
NG-WS	Niagara	
NGZ	Ngauruhoe	
NH1	Sanbornton	
NHA	Nha-Trang	
NHB	Bethesda--National Naval Medical Center	
NHBM	Healdsburg	
NHC	New Haven	
NHF	Nausori Highlands	
NHIL	New Haven	
NHIM	Nhimo	
NHM	Niihama	
NHMM	Mt Hamilton Road	HMR
NHN	Nahan	
NHS	North Hampton	
NHSA	Nikolaevsk School	
NHSC	New Hope	
NIA	Norfolk Island	
NIAN	Nian	
NIB	Nibetsu	
NIC	Nicosia	
NICH	Los Niches	
NICHA	Nichawak Mountain	
NIE	Niedzica	
NIG	Nigde	
NIHS	Ingelmoor High School	
NII	Niigata	
NIIJ	Niigata 2	
NIK	Nikolski	
NIKH	Nikolski High Hill	
NIKO	Nikolski	
NIKU	Nikkaluokta	
NIL	Nilore	
NIN	Ninilchik One	
NINI	Niniconang	
NIS	Nissan Island	
NIS1	Nisyros Isl.	
NIS2	Nisyros Isl.	
NIS3	Nisyros Isl.	
NIS4	Nisyros Isl.	
NISR	Nisíros	
NISS		
NIU	Niumate	
NIUE	Niue	
NIW1	Wetzens (Niawier)	
NIW2	Wetzens (Niawier)	
NIW3	Wetzens (Niawier)	
NIW4	Wetzens (Niawier)	
NIZ	Nizh Angarsk	
NJ2	Nanjing	
NJI	Nanjing	NAN
NJJ	Nii jima	
NJJJ	Nii jima 2	
NJS	Nagarjunasagar	
NJW	Norris Junction	
NKA	Nikishka	
NKC	Novy Kostel	
NKE	Nake	
NKI	Nikolski	
NKK	Na'kalak'ari	
NKL	Nikolayevsk	
NKM	Nakhla	
NKME	Niksic	
NKP	New Kensington	
NKR	Nakanohara	
NKS	Nakayama Pass	
NKT	Nankipoo	
NKY	Niksic	
NL-	Nazlini	NL-AZ
NL2	Nazlini	
NL2AZ	Nazlini	
NL9	Nola	
NLAI	Namlea	
NL-AZ	Nazlini	
NLC	Nalytchevo	
NLG	Nalgonda	
NLHM	Lake Herman	
NLIB	Nice, Liberation	
NLLB	Nanaimo Lost Lake,BC	
NLM	Maryland--Naval Ordinance Lab	
NLNM		LOC
NLO	Nicolai Mountain	
NLU	North Lily Mine	
NLW	Nelson Butte	
NLWA	Neilton Lookout	
NLY	Nelyaty	

Code	Station Name	Other
NLYR	Nelyaty	
NMA	Nantucket	
NMAN	Kulet Umm Tiheiwat	
NMC	Nine Mile Canyon	
NMCC	Northern Marianas College	
NMCM		NMC
NMD	New Madrid	
NMEM	New Madrid Sch	
NMEZ	Namu Road	
NMF	Viti Levu	
NMH	New Mexico Highlands	
NMHM	Mount Saint Helena	
NMHZ	Naumai	
NML	Miaoli City	
NMM	New Madrid	
NMMO	New Madrid	
NMN	Nasa Mountain	
NMO	Norman	
NMR	Nemuro--Hokkaido University	
NMS	Namosi	
NMSQ	Nemaska Station	
NMTM	Middletown	
NMUT	North Mineral Mountain	
NMWM	Mark W Springs	MAC
NMXM	Mix Canyon Road	MIX
NNA	Nana	
NNAL	NNAL	
NNJ	Nakano	
NNK	Norton	
NNL	Ninilchik	
NNS	Nan Shan	
NNT	Nongplab	
NNZ	Nelson	
NOA	NORSAR Array Beam Reference Point	NB2
NOB	Nobeoka	
NOC	Noumea	
NOCG	North-of-Casa	
NOCI	Noci	
NOD	Norderasen	
NODN	Nodinka Narrows	
NOH	Ma'ale Noah	
NOJ	Nojiri	
NOL	New Orleans	
NOLM	Olema	
NOM	Nome	
NONG	Nongkai	
NONO	Nono	
NOP	Nopah Range	
NOQ	North Oquirrh Mountains	
NOR	Nord	
NORC	Norcasia	
NORES	NORESS Array Beam Reference Point	
NORI	Noerdlinger Ries-Bissingen	
NORM	Noumea	
NOSH	Now Shahr	
NOTT	Nottersdorf	
NOU	Noumea	
NOUC	Port Laguerre	
NOUE	Nou	
NOV	Novara	
NOV1	NOV1	
NOV2	NOV2	
NOV3	NOV3	
NOV4	La Tour-de-Pellz	
NOVE	Novellara	
NOVS	Nova Varos 1	
NOWS	NOAA--Sand Point	
NOZ	North Gisborne	
NP-	North Pole	NP-NT
NPA	Nampula	
NPH	North Pit	
NPI	North Pocatello Valley	
NPL	Naples	
NPM	North Pahute Mesa	
NPN	North Pahroc Range	
NP-NT	Mould Bay	
NPNY	Mohonk Preserve	
NPO	Eielson Array	
NPOR	Nice, Eglise du Port	
NPPZ	NPP	
NPR	Napier	
NPRI	New Reactor	
NPRM	Point Reyes	
NPS	Neapolis	
NPT	Nicholson Point	
NPZ	New Plymouth	
NQBME	Bureau des Mines et l'Energie	
NQUSE	US Embassy, Port-au-Prince	
NR-	Niobrara River	NR-NB
NRA	North River	
NRA0	NORESS Array Site A0	NORES
NRA1	NORESS Array Site A1	
NRA2	NORESS Array Site A2	
NRA3	NORESS Array Site A3	
NRAU	Nora	
NRB1	NORESS Array Site B1	
NRB2	NORESS Array Site B2	
NRB3	NORESS Array Site B3	
NRB4	NORESS Array Site B4	
NRB5	NORESS Array Site B5	
NRC1	NORESS Array Site C1	
NRC2	NORESS Array Site C2	
NRC3	NORESS Array Site C3	
NRC4	NORESS Array Site C4	
NRC5	NORESS Array Site C5	
NRC6	NORESS Array Site C6	
NRC7	NORESS Array Site C7	
NRCA	Norcia	
NRD	Nordlingen	
NRD1	NORESS Array Site D1	
NRD2	NORESS Array Site D2	
NRD3	NORESS Array Site D3	
NRD4	NORESS Array Site D4	
NRD5	NORESS Array Site D5	
NRD6	NORESS Array Site D6	
NRD7	NORESS Array Site D7	
NRD8	NORESS Array Site D8	
NRD9	NORESS Array Site D9	
NRDL	Niedersach Riedel	
NRE0	NORESS Array Site E0	
NRFK	Norfolk	
NRGR	Nerungri	
NRI	Noril'sk	
NRIK	Noril'sk	
NRIL	Noril'sk	
NRIS	Noril'sk	
NRJ	Nirehara	
NRK	Nurek	
NRL	Washington--Naval Research Laboratory	
NRM	North Rainier Mesa	
NRME	Naramoto	
NRMH	Kita-Gairin	
NRMS	Noranda	
NRN	Naryn	
NR-NB	Niobrara River	
NROC	Nice, Saint-Roch	
NRR	North Reno	
NRS	Narsarsuaq	
NRT	Northfield	
NRTU	Norrtaelje	
NRY	Nirayama	
NRZ	Ngariki Road	
NSAL	Nisos Salamina	
NSC	North Stonington	
NSD	Nasudden	
NSHM	Saint Helena Road	
NSI	Nishiizu	
NSK	Sanguang	
NSKD	NSKD	
NSKO	Neskantaga (Lansdowne House)First Nations Ontario	
NSLM	New Salem	
NSLU	Nyzhne Selyshche	
NSP		
NSPM		SNT
NSR	Nassriya	
NSS	Namsos	
NST	Nakhon Sawan	
NSTT	Nanjuang	
NSU	North Stansbury	
NSW	Nakanosawa	
NSY	Sanyi	
NT-		NT-NV
NT13	Thirsty	
NT2		NT2NV
NT2NV	Nevada Test Site	
NTA	Nevada Test Site Array	
NTBM	Tomales Bay	
NTI	Nordman	
NTK	Nunatak	
NTMM	Taylor Mountain	
NT-NV	Nevada Test Site	
NTP	Nathian	
NTPM	Mount Tamalpais	
NTS	Ninotsminda	
NTV	Nha Trang	
NTYM	Taylor	
NUB		
NUE	Niue	
NUK	Nuku'alofa	
NUKS	Nukus	
NUM	Numazu	
NUNN	Nunuq Camp, NU	
NUR	Nurmija@14rvi	
NURP	Nurpur	
NUT	Nurata	
NUUG	Nuugaatsiaq	
NUUK	Nuuk	
NUXM	Nuxco	
NV01	Mina Array Site 1	
NV02	Mina Array Site 2	
NV03	Mina Array Site 3	
NV04	Mina Array Site 4	
NV05	Mina Array Site 5	
NV06	Mina Array Site 6	
NV07	Mina Array Site 7	
NV08	Mina Array Site 8	
NV09	Mina Array Site 9	
NV1	North Anna 1	
NV10	Mina Array Site 10	
NV11	Mina Array Sites 11 and 31	
NV2	North Anna 2	
NV3	North Anna 3	
NV32	Mina Array Site 32	
NV33	Mina Array Site 33	
NV4	North Anna 4	
NV5	North Anna 5	
NV6	North Anna 6	
NV7	North Anna 7	
NVAR	Mina Array Beam Reference Point	
NVBH	Bath Hotel, Nevis	
NVL	N'lazarevskaya	
NVLJ	Novalja	
NVR	Nevrokopi	
NVRH	Round Hill, Nevis	
NVS	Novosibirsk	
NVSS	Nova Varos 2	
NW2	New River	
NWA	Narrogin	NWAO
NWAO	Narrogin (SRO)	
NWC	North Woods Club	
NWEZ	Newall Road	
NWF	Wu-fen Shan	
NWL	Newcastle	
NWR	Narrow River	
NWRM	Wright Ranch	
NY14	Universidad de la EARTH en Liberia	
NYA	Nyala	
NYAM	Volcan Nyalulag	
NYC	Charley	
NYI	Volcan Nyirag	
NYJ	Joshua Tree	
NYK	Nykoping	
NYM	Climax Mine	
NYNU	Nynaeshamn	
NYR	Receiver Site	
NYRK	Nyeri	
NYS	Syncline Ridge	
NYV	Vern	
NZB	Bigte	
NZJ	Naze	
O01C	Eel River Conservation Camp, Redway	
O02C	Red Bluff	
O03C	Acorn Hollow, Los Molinos	
O03D	Paynes Creek	
O04C	Chester	
O05C	Quincy	
O06A	Flanigan	
O07A	Toulon	
O08A	Rochester Mine, Lovelock	
O09A	Fish Creek Ranch, Battle Mountain	
O10A	Cortez Mining, Crescent City	
O11A	Cowboy Ranch, Jiggs	
O12A	Currie	
O13A	Hicks Ranch, Ibapah	
O15A	The Old Anderson's Place, Rush Valley	
O16A	Springville	
O17A	Robinson Place, Fruitland	
O18A	Roosevelt	
O19A	Miners Draw (BLM), Jensen	
O20A	White River City	
O21A	Pagoda	
O22A	Kremmling	
O23A	Lake Granby, Granby	
O24A	Longmont	
O25A	Wiggins	
O26A	Horse Wrangler Ranch, Akron	
O27A	Beecher Island, Eckley	
O28A	Krutsinger Ranch, Parks	
O29A	4D Ranch, Culbertson	
O30A	MW Ranch, Wilsonville	
O31A	Woolen Ranch, Alma	
O32A	Brockman Farm, Red Cloud	
O33A	Hebron	
O6A	E Barbuda OBS	
OA-	Oahu Island	OA-IS
OA-IS	Oahu Island	
OAK	Oakfield	
OAQ	Quito	
OAR	Oum El Arais	
OAS	Oasis	
OAT	Oat Mountain	
OAUI	Ile-Ife	
OAX	Oaxaca	
OB2NV	Oak Springs Butte	
OB3NV	Oak Springs Butte	
OBA	Oasis-Bungera	
OBB	Obsidian Butte	
OBC	Olympics--Bonidu Creek	
OBER	Oberstdorf	
OBG	Obi Garm	
OBH	Olympics--Burnt Hill	
OBHM	Bloomer Hill	
OBI	Obihiro	
OBIP	Obispado Ponce	
OBK	Oberlin	
OBKA	Obir	
OBLS	Djebel Bou Ietas	
OBM	Ulan Bator	
OBN	Obninsk	
OB-NV	Oak Springs Butte	
OBO	Obock	
OBR	Brabster	
OBS	Ocean Bottom Seismometer	
OBSR	Observation Rock	
OBSV	Observatory	
OBY	Ambatonomby	
OBZ	Oban	
OC2	Ocos 2	
OC9	Casamicciola	
OCA	Owens Crossroads	
OCAC	Ocana	
OCF	Saint Nazaire	
OCG	Ocos	
OCHM	Cohasset Ridge	
OCHR	Omchak	
OCLP	Ormoc	
OCM	Ochomogo	
OCN	Over Castle Rock	
OCO	Oklahoma City	
OCP	Olym-Cheeka Pk	
OCR	O'Connell Ranch	
OCUV	OCUMARITO	
OCWA	Octopus Mountain	
OD2	Odessa Site #2	
ODAN	Odare	
ODB	Odobesti	
ODBI	Odobesti	
ODD	Odda	
ODD1	Odda	
ODJA	Bouhanifia	
ODK	Oud Koma	
ODNJ	Ogdensburg	
ODS	Odessa	
ODSE	Onioshidashi	
ODZ	Otahua Downs	
ODZI	Dziouia	
OFA	Oficina Alemania	
OFB	Ocean Falls	
OFBG	Offenburg	
OFD	Oued Fodda	
OFFI	Offida	
OFK	Olympics--Forks	
OFR	Olym-F Res Ctr	
OFRI	'Ofer	
OFU	Ofunato	
OFUJ	Ofunato	
OG01	Vacheresse	
OG02	Monnetier-Mornex	
OG03	Samoens	
OG04	La Clusaz	
OG05	Jujurieux	
OG06	Moye	
OG07	Sainte-Reine	
OG08	Commelle	
OG09	Saint-Thibaud-de-Couz	
OG10	Saint-Etienne-de-Cuines	
OG11	Montagny	
OG12	Villaroger	
OG13	Choranche	
OG14	Saint-Maurice-en-Valgodemard	
OG15	Briangon	
OG16	Combovin	
OG17	Prunihres	
OG18	Albannette	
OG19	Saint-Julien-en-Beauchene	
OG20	Riallon	
OG21	Saint-Cripin	
OG22	Abries	
OG23	Tende	
OG24	Aussois	
OG25	Le Caire	
OG26	St.-Nazaire-Desert	OCF
OG27	Meolans	
OG28	Izon-la-Bruisse	
OG29	Digne	
OG30	Villeneuve d'Entraunes	
OG32	Castellane	
OG33	Roure	
OG34	Musihges	
OG35	Corcelles	
OGA	Obergurgl	
OGAG	Argentiere	
OGD	Ogdensburg	
OGDI	Digne	
OGE	Ogeu	
OGH	Oga	
OGNE	Ogallala	
OGOM	Van Goodin Ranch	
OGRR	Ongureny	
OGS	Ogasawara	
OGSI	Sixt	
OGSO	Ohio Geological Survey, Columbus	
OGTN	Old Graveyard	
OGU	Ogden Bay	
OGWZ	Otaki Gorge	
OHAK	Old Harbor	
OHC	O'Higgins	
OHCM	Honcut	
OHD	Ohdaira	
OHH	Osh	
OHJ	Ohira	
OHLN	Ohlone	
OHM	Omihachiman	
OHO	Hoy	
OHR	Ohrid	
OHRN	Oohira	
OHS	Orange Hill	
OHTN	Owl Hoot	
OHTR	Okhotsk	
OHW	Oak Harbor	
OHWZ	Ohakea	
OIA	Oishiyama (A)	
OIB	Oishiyama (B)	
OIC	Oishiyama (C)	
OII	Orti	
OIS	Oishiyama	
OIT	Oita	
OIT2	Oita 2	
OIW	Oiwake	
OIZ	Oio	
OJBR	Djebel Berber	
OJC	Ojcow	
OJEN	Ojen	
OJGS	Djebel Guires	
OJOS	Ojo de Agua	
OK001	Jones High Sch.	
OK002	Wilshire Harrah	
OK003	Hefner Road	
OK004	Okla Sci Mus	
OK005	Luther M School	
OK006	Choctaw High	
OK007	Harrah City Hall	
OK008	Spencer City Hall	
OKA	Okayama	
OKA1	Okayama	
OKA2	Okayama 2	
OKAH	Ooka	
OKAK	Okmok	
OKB	Okabe	
OKC	Ostrava-Krasne	
OKCD	Okmok Cone D	
OKCE	Okmok Cone E	
OKCF	Okmok Cone F	
OKCFA	Oklahoma City	
OKCSW	OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA USA	
OKER	Okmok East Rim	
OKFG	Magazine Ridge	
OKG	Oak Grove	
OKGL	Djebel Kef Guellal	
OKH	Okha	
OKHT	Okhotsk	
OKI	Okijuku	
OKID	Okmok Mt. Idak	
OKJL	Djebel Kodjel	
OKL	Od Khalfella	
OKN	Okuno	
OKP	Okiep	
OKRE	Okmok R'deer Pt	
OKS	Okushiri	
OKSO	Okmok South	
OKSP	Okmok Steeple Pt	
OKTD	Tabubil	
OKTU	Okmok Mt. Tulik	
OKWE	Okmok W'ng Wall	
OKWR	Okmok West Rim	
OKY	Okuyama	
OLB	Olbia	
OLC	Olema	NOLM
OLCH	Olmue	
OLDB	Oldbury-Upon-Severn	
OLEF	Ile d'Oleron	
OLF	Olofstrom	
OLFT	Oleftalsperre	
OLG	Olintepeque	
OLGA		
OLHC	Oulhaca	
OLIL	Olney	
OLK	Olkaria	
OLL	Ollague	
OLLA	Las Ollas	
OLO	Oologah	
OLQ	Olympics--Lake Quinault	
OLT	Olot	
OLW	Olympia	
OLWK	Olkaria West	
OLY	Olyphant	
OLYC	Mount Olympus	
OMA	Omae zaki	
OMCO	Orchard Mesa	
OME	Ometepe	
OMET	Metahra	
OMID	Djebel Midouna	
OMJ	Ohmine	
OMM	Old Mammoth Mine	
OMP	Cagayan Oro	CGP
OMRZ	Omania	

Code	Station Name	Other
OMS	Omsukchan	
OMW	Omak	
OMWY	Oxenhope Moor	
OMZ	Oamaru	
ON2	Olympics--North River	
ONA	Onahama	
ONAJ	Iwakimizuishiyama	
ONCR	Oncesti	
ONE	Onerahi	
ONF	Office Forets	
ONG	Ongoro	
ONH	Oakhill	
ONI	Oni	
ONR	Olympics--North River	
ONTN	Oneida	
ONTR	Ontario (NY)	
ONTRN	Noumea	
OO-	Oslo	OO-NW
OOM	Omiya	
OO-NW	Oslo	
OOS	Ooshika	
OOT	Ootomari	
OOW	Octopus West	
OPA	Opana	
OPC	Olympic Penn College CREST BB SMO	
OPL	Opal Mound	
OPLO	Oploo	
OPO	Ambohidratompo	
OPP	Oppenau	
OPPE	Oppeano	
OPRZ	Ohinepanea	
OPT	Oil Point	
OR-	Orlando	OR-FL
OR1	Oriolo Calabro	ORI
ORA	Oran	
ORAM	Rattlesnake Point	
ORB	Orbe	
ORC	Owens River	
ORCC	Oricopia Mountain	
ORCD	Orcadas	
ORCV	Isla La Orchila	
ORDF	Ordiarp	
ORDU	Ordu-Boztepe	
ORE	Reay	
OR-FL	Orlando	
ORG	Organya	
ORGA		
ORGV	Orgiva	
ORH	Orhaniye	
ORHO	Orleans, Heritage Park	
ORHR	Oreshnoe	
ORI	Oriolo Calabro	
ORIF	Oris-en-Rattier	
ORIO	Orleans, Innes Road, Ontario	
ORIV	Oritupano	
ORJ	Oura	
ORK	Orkelljunga	
ORL	Orlik	
ORLT	Orhaneli	
ORNO	Orono	
ORO	Oropa	
ORR	Orenburg	
ORT	Oak Ridge	
ORV	Oroville	
ORX	Oropa	
ORY	Orie	
ORZI	Orzinuovi	
OSA	Osaka	
OSB	Orangeburg	
OSBY	Osborn	
OSC	Orangeburg	
OSCH	Osorno	
OSCM	Ostuacan	
OSD	Olympics--Snow Dome	
OSG	Oseberg A Platform	
OSGS	Os	
OSH	Oshima	
OSHJ	Oshima	
OSI	Osito Adit	
OSK	Osaka	
OSKI	Oschiri	
OSKU	Oskarshamn	
OSL	Oslo	
OSLO	Ohio State University--Lima	
OSM	Ostula	
OSML	Os-Marcillon	
OSMO	Ohio State University--Mansfield	
OSMR	Ostromysovka	
OSMT	Osmaniye	
OSNY	Ossining	
OSP	Olympics--Sooes Peak	
OSPF	L'Ospedale	
OSR	Olympics--Salmon Ridge	
OSS	Ova Spin	
OSSF	Osses	
OSSR	Ossora	
OST	Stronsay	
OSTC	Ostas	
OSTM	Stimpson Lane	
OSTU	Oestervaala	
OSUM	Sutter Buttes	
OSUO	Ohio State University	
OSV	Paramo de la Osa	
OSWG	Oswego	
OT001	1031 Sheenboro Crescent, Ottawa	
OT002	1514 Bourcier, Ottawa	
OT004	16, Winslow Court, Ottawa	
OT006	959, Brant, Ottawa	
OT008	2758 Massicotte Lane, Ottawa	
OT011	OT011	
OT012	7 Observatory Cres., Ottawa	
OT2	Othello	
OT3	Othello 3	
OTAV	Otavalo	
OTAZ	Otara	
OTBB	Blackburn lab bldg12	
OTBM	Table Mountain	
OTER1	Otterbach 1 (BS)	
OTER2	Otterbach 2 (BS)	
OTGH	Glebe high school	
OTH	Othello	
OTI	Otiai	
OTK	Orto-Tokoy	
OTL	Oterleek	
OTL1	Oterleek	
OTL2	Oterleek	
OTL3	Oterleek	
OTL4	Oterleek	
OTLM	Tlemcen	
OTNM	Canadian Museum of Nature	
OTO	Tongue	
OTP	Otepa	
OTPR	Odiongan	
OTR	Olympics--Tyee Ridge	
OTRO	Otter Rapids	
OTRP	Odiongan	
OTSS	Djebel Tessala	
OTT	Ottawa	
OTTER	Otterbach	
OTUK	Ortayu	
OTVZ	Oturere	
OTW	Orongorongo Tunnel	
OTWM	No. 579 Westminster Ave.	
OTZ	Ortiz Mountain	
OUA	Ouanaham	
OUAO	Ohio University	
OUFX	Oulainen	
OUJ	Oujda	
OUK	Oukaimeden	
OUL	Oulu	
OUR	Ouranopolis	
OUT	Outlet	
OUZ	Omahuta	
OV1	Vesuviano	OVO
OVA	Ovalau	
OVCH	Ovalle	
OVE	Overton	
OVEH	Oceanview Est	
OVMT	Ovando	
OVO	Vesuviano	
OWA	Owase	
OWAM	Wyandotte	OWYM
OWE	Westray	
OWUT	Old Woman Plateau	
OWYM	Wyandotte	
OXBJ	Oaxaca	
OXD	Oxford	
OXF	Oxford	
OXM	Oxtotitlan	
OXMT	Ox Mountain	
OXX	Oaxaca	
OXZ	Oxford	
OYM	Oyama	
OYT	Oya 1	
OYT2	Oya 2	
OZB	Mount Ozzard	
OZC	Ocozocoautla	
OZE	Ozernaya	
OZUR		
P01C	Double 8 Ranch, Willits	
P05C	Yuba Gap, Truckee	
P06A	Stead Airport, Stead	
P07A	Fallon	
P08A	Dixie Valley	
P09A	Austin	
P10A	Eureka	
P11A	Circle Ranch, Eureka	
P12A	McGill	
P13A	Bates Ranch, Gandy	
P14A	Drum Mountains (BLM), Topaz	
P15A	Leamington	
P16A	Fountain Green	
P17A	Butcher Ranch, Price	
P18A	Preston Nutter Ranch, Sunnyside	
P19A	Cripple Cowboy Ranch, Baxter Pass	
P20A	De Beque	
P21A	Newcastle	
P22A	Eagle	
P23A	Jefferson	
P24A	Kohler Place, Littleton	
P25A	Willow Gulch Bison Ranch, Deer Trail	
P26A	Davis Ranch, Arriba	
P27A	Ficken Ranch, Kirk	
P28A	Saint Francis	
P29A	Atwood	
P30A	Selden	
P31A	Stockton	
P32A	Huiting Farm, Downs	
P33A	Williams Farm, Concordia	
P403	Sandy Floe Quarry	
PA01	PA01 North	
PA02	PA02 Ocean	
PA03	PA03 Flamable	
PA04	PA04 Cage	
PA05	PA05 Willingdon	
PA12	PA12 Sannich	
PAA	Panguna	
PAAR	P'arak'ar	
PAB	San Pablo	
PAC	Palo Alto--Branner	
PACB	Port Alice, BC	
PACH	Papudo	
PACI	Pancar Gunung	
PACP	Pacheco Peak	
PACT	Alcochete	
PACW	Pacific Creek	
PAD	Padua	
PADM	Adeladia	
PAE	Paea	
PAF	Port-aux-Francais	
PAG	Le Parnasse	
PAGB	Antelope Grade	
PAGF	Fort de Pagny la Blanche C^-te (52)	
PAGM	Antelope Grade	
PAGN	Pagan	
PAGS	Pennsylvania Geol. Surv.	
PAGV	Pagan Volcano	
PAGZ	Pagadian	
PAH	Pahoa	
PAHR	Pah Rah Range	
PAHZ	Panekirikiri	
PAI	P Aileron	
PAIG	Paliouri	
PAJ	Port Antonio	
PAJU	Pajala	
PAK0	Pari Array Site 0	
PAKY	Paducah	
PAL	Palisades	
PALA	Palora	
PALB	Palub	
PALC	Alcoutim	
PALK	Pallekele	
PALM	Palmichal	
PALN	Palana	
PALO	Palomo	
PALP	Palanan	
PALR	Palma Real	
PALU	Palau	
PALV	Tres Palos	
PALZ	Palazzo San Gervasio	
PAM	Palermo	
PAMA	Santo Amaro	
PAMF	Morne Pavillon	
PAN	Panimavida	
PAND	Andorre	
PANG	Puerto Angel	
PANH	Panhandle Gap, Mount Rainier	
PANI	Panarotta	
PANIX	Pigniu (Panix)	
PANJ	Princeton	
PANM	San Antonio Reservoir	
PANO	Nakornpanom	
PANV	Panamint Range	
PAO	Baotou	BTO
PAOL	Paolisi	
PAP	Pandan	
PAPH	Port-au-Prince	
PAPM	Alder Peak	
PAR	Paris	
PARA	Parapanda	
PARB	Paraibuna	
PARC	Parchiule	
PARD	Parod	
PARM	Anticline Ridge	
PARMO	Parma	
PARN	Parndana	
PARR	Paradise	
PART	Garmisch-Partenkirchen	
PARV	Pariaguan	
PARZ	Papamoa	
PAS	Pasadena	
PASC	Pasadena Art Cn	
PASE	Minerbio--Passere	
PASG	PASIGHAT	
PASI	Pasiripis	
PAST	Pastocalle	
PAT	Patras	
PAT1	Patacocha	
PAT2	Paterson 2	
PATA	Patacocha	
PATCX	Punta Patache	
PATS	Pohnpei	
PATW	Paterson	
PATY	Pattaya	
PATZ	Paeroa	
PAU	Pauzhetka	
PAUV	EL PAUJM	
PAV	Pavia	
PAWZ	Paruwai Farm	
PAX	Paxson	
PAY	Chiapas	
PAYA	Payao	
PAYG	Puerto Ayora	
PAYL	Puyallup School ANSS-SMO	
PAYV	Puerto Ayacucho	
PAZ	Puerto Azul	
PB-	Parsons	
PB01	Plate Boundary	
PB02	Plate Boundary Site 02	
PB03	Plate Boundary Site 03	
PB04	Plate Boundary	
PB06	Plate Boundary	
PB07	Plate Boundary	
PB08	Plate Boundary Site 08	
PB09	Plate Boundary	
PB10	Plate Boundary Site 10	
PB11	Plate Boundary	
PBA	Port Blair	
PBAR	Barrancos	
PBC	Punta Burica	
PBCC	Pribram	
PBDV	Barranco-do-Velho	
PBEJ	Beja	
PBF	Porcher Bluff	
PBG	Petersburg	
PBG1	Petersburg	
PBIG	Penon de los Banos, D. F.	
PBIS	Biscoitos	
PBJ	Presa Benito Juarez	
PBKI	Pangkalan Bun	
PBKT	Sadao Pong	
PBMO	Poplar Bluff	
PBO3	Pozo tres de Borinquen	
PBOI	Pico dos Bois	
PBQ	Poste Baleine	
PBRG	Braganca	
PBRM	Bassetti Ranch	
PBS	Pigeon Bay	
PBSI	Pulau Batu	
PB-TN	Parsons	
PBU	Perry Basin	
PBV	Petersburg	
PBVM	Pinon	
PBWM	Bitterwater Creek	BTW
PBX	Punta Banda	
PBYM	Bryson	
PC-	Picayune	PC-MS
PCA	Pinnacle	
PCA1	Carrot	
PCAB	Cabril	
PCAL	Alvares	
PCAM	Castle Mt.	CTM
PCAN	Candelaria	
PCAS	Casmilo, Condeixa	
PCB	Port Clements	
PCBI	Pancar Batu	
PCBM	Cambria	
PCBR	Castelo Branco	
PCC	Pilarcitos Creek	
PCCM	Crazy Canyon	
PCDR	Punta Cana, DR	
PCED	Cedros	
PCEP	Pierce County East Precinct	
PCF	Pomona	
PCFR	Pierce County Firing Range	
PCG	Pacaya	
PCGM	Cerro Alto Campground	
PCH	Pirque	
PCHF	Pas de la Coche	
PCHP	Portachuelo	
PCHR	PETRACHIOAIA	
PCI	Palu	
PCID	Pole Creek	
PCIG		
PCJ	Portland Cottage	
PCJI	Pacitan	
PCL	Pacheco Lake	
PCM	Pelee Case Petit	
PCMD	Pierce County Mountain Detachment	
PC-MS	Picayune	
PCMT	Pistol Creek	
PCN	Piacenza	
PCND	Candelaria	
PCNE	Platte Center	
PCNG	Congro	
PCO	Ponca City	
PCOI	Coimbra	
PCOU	Corrie	
PCP	Piancastagn	
PCPH	Palayan	
PCR	La Plaine Cafres	
PCRM	Curry Mountain	
PCRV	Puerto La Cruz	
PCRZ	Pico da Cruz	
PCS	Paracas	
PCT	Pak Chong	
PCU	Price	
PCVE	Castro Verde	
PCY	Pole Canyon	
PCYT	Pengchaiyu	
PD-	Princeton	PD-BC
PD01	Pinedale Array Site 1	
PD02	Pinedale Array Site 2	
PD03	Pinedale Array Site 3	
PD04	Pinedale Array Site 4	
PD05	Pinedale Array Site 5	
PD06	Boulder Array	BW06
PD07	Pinedale Array Site 7	
PD08	Pinedale Array Site 8	
PD09	Pinedale Array Site 9	
PD10	Pinedale Array Site 10	
PD11	Pinedale Array Site 11	
PD12	Pinedale Array Site 12	
PD13	Pinedale Array Site 13	
PD31	Pinedale Array Site 31	PDAR
PDA	Ponta Delgada	
PDAR	Pinedale Array Beam Ref. Point	
PDB	Pedro Bay	
PD-BC	Princeton	
PDC	Pieve di Cadore	
PDCR	Pedra do Cavalo	
PDD	Puy-de-Dome	
PDDM	Pindari Dam	
PDEM	Puerto del Eden	
PDG	Podgorica	TTG
PDGK	Podgornoye	
PDHT	Panda Hill	
PDI	Porto d'Ischia	
PDIAR	Pinedale Infrasonic Array Beam Reference Point	
PDK	Podkova	
PDKS	Podkum	
PDMC	Merrill Creek	
PDMCI	Parker Dam,Lake Havasu City	
PDMV	Paramo Marino	
PDNS	Pedernales	
PDO	Prodromos	
PDP	Pandan	
PDRG	Pedrog??o	
PDRM	Domengine Ranch	
PDSI	Padang	
PDTN	Piedmont	
PDUI	Pindiu	
PDY	Peleduy	
PDY31	Peleduy Array Site 31	
PDYAR	Peleduy Array Beam Reference Point	
PE-	Pineville	PE-WV
PE1	Pezze di Greco (BR)	
PEA	Pea Ridge	
PEA0	opavlovsk-Kamchatskiy kiy Array Site A0	
PEA0B	opavlovsk-Kamchatskiy kiy Array site AOB	
PEA1	opavlovsk-Kamchatskiy kiy Array Site A1	
PEA2	opavlovsk-Kamchatskiy kiy Array Site A2	
PEA3	opavlovsk-Kamchatskiy kiy Array Site A3	
PEB	Petersbachel	
PEB1	opavlovsk-Kamchatskiy kiy Array Site B1	
PEB2	opavlovsk-Kamchatskiy kiy Array Site B2	
PEB3	opavlovsk-Kamchatskiy kiy Array Site B3	
PEB4	opavlovsk-Kamchatskiy kiy Array Site B4	
PEB5	opavlovsk-Kamchatskiy kiy Array Site B5	
PEBM	Pemiscott Bayou	
PEC	Perris	
PECH	Pedro de Valdivia	
PECO	Prince Edward County	
PECR	Pechory	
PECU	Ecuador Network	
PECV	Mancha de Ca Pechiches	
PED	Pedro Cerda	
PEDR	Pedernales	
PEG	Perugia	PRG
PEH	Beibei	
PEI	Peine	
PEJK	Peje	
PEK	Beijing	BJI
PEL	Peldehue	
PEM	Pine Mountain	
PEMC	Merrill Creek	
PEMO	Pembroke	
PEN	Pensacola	

Code	*Station Name*	*Other*
PENC	Penc	
PENI	Pendagan	
PENM	Chiapas	
PENMO	Penman	
PENT	Pentalofos	
PEO	Puerto Escondido	
PEP	Pantabangan	
PER	Perth	
PERF	Col du Perthus	
PERL	Pearl BPA Site DOGAMI SMO	
PERS	Pernice	
PERT	Persembe	
PES	Peshawar	
PES2	opavlovsk-Kamchatskiy kiy Array site S2	
PESA	Pesaro	
PESTR	Estremoz	
PET	Petropavlovsk	
PETE	Peter Faust Dam	
PETK	opavlovsk-Kamchatskiy kiy Array site P	
PETR		
PEUT	Richfield	
PEV	Pleasant Valley	
PE-WV	Pineville	
PEX	Puerto Escondido	
PF-	Pickford	PF-MI
PFA	Pierce Ferry	
PFAD	Fenais da Ajuda	
PFAV	Pico das Favas	
PFB	Port Renfrew	
PFBV	Barranco	
PFET	Feteiras	
PFFO	Foia	
PFH	Pahoa Fire House	
PFMC	Merrill Creek	
PFMF	Monte Figo	
PF-MI	Pickford	
PFO	Pinyon Flat Observatory	
PFPE	Pera	
PFSB	Sao Bartolomeu	
PFSC	Santa Clara	
PFVI	Vila Bisbo	
PG-	Prince George	PG-BC
PG2BC	Prince George	
PGA	Paragould	
PGAV	Gavieira, Arcos de Valdevez	
PGAZ	Page	
PGB	Panagyurishte	
PGBAU	Baubata	
PG-BC	Prince George	
PGBU	Glenifferbraes	
PGC	Sidney	
PGD	Poggio Sodo	
PGE	Panamint Range	
PGF	Pioggiola	
PGHM	Gold Hill	GHC
PGKAI	Kaiamu	
PGM	Pleasant Grove	
PGMAR	Marapu	
PGN3	Pignola, Italy	
PGO	Gresham	
PGOM	Puerto del Gallo	
PGOR	Pogoanele	
PGP	Puerto Galera	
PGRA	Graciosa	
PGS	Pagosa Springs	
PGVM	Portageville	
PGW	Port Gamble	
PGWM	Grace West	
PGX	Piedras Gordas	
PGY	Peter Gray Mountain	
PGZ	Pongaroa	
PH2NV	Pahute Mesa Site	
PH3NV	Pahute Mesa Site	
PH4NV	Pahute Mesa Site	
PHA	Port Heiden	
PHAM	Harlan Ranch	
PHBM	Huron Fishing Bridge	
PHC	Port Hardy	
PHCM	Hearst Castle	
PHDM	Pipehead	
PHEL	Phelps	
PHET	Kaeng Krachan	
PHG	Guadaloupe-2	
PHGM	Hog Canyon	
PHH	Puu Huluhulu	
PHI	Philadelphia	
PHIT	Phitsanulok	
PHL	Hel	
PHN	Pohang	
PHNC	Paralimni	
PH-NV	Pahute Mesa Site	
PHO	Puu Honuaula	
PHP	Peshkopia	
PHPU	Puebla	
PHRA	Phrae	
PHRM	Hernandez Valley	HVC
PHSA	Palmer High School	
PHSR	Pinarhisar	
PHUB	P'eng-hu	
PHW	Phalaborwa	
PH-WA	Pomeroy	
PHWY	Pilot Hill	
PHWY1	Pilot Hill -- Preliminary Site	
PHYB	Yellowpoint	
PI-	Pinedale	PI-WY
PI1	Pinedale	
PI2	Pinedale	
PI2WY	Pinedale	
PI3	Pinedale	
PI4	Pinedale	
PI5	Pinedale	
PI6	Pinedale	
PI7	Pinedale	
PIA	Pitten	
PIAC	Piriac/mer	
PIAM	Paiam	
PIB	Pender Island	
PIC	Picacho Peak	
PICA	Picada	
PICH	Pichilemu	
PICO	Pico	
PICS	Picacho	
PID	Ribeirinha	
PIE	Pietermaritzburg	
PIED	Piedade	
PIEI	Pieia	
PIER	Pier 30 Seattle	
PIG	Pigeon Point	
PIGN	Pignataro Maggiore	
PII	Pisa	
PIL	Pilar	
PIM	Presa Infiernillo	
PIMB	Pitt Meadows	
PIN	Pinedale	
PINA	Piqa, Costa Abajo de Colsn	
PINB	Pinarbasi	
PINC	Pinares de Mayari	
PINE	Pine Mountain Observatory	
PINI	Pine Creek	
PINM	Pinnacle	PCA
PINO	Pino	
PINOR	Pine Mountain	
PINP	Pinatubo--East Slope	
PINR	Pinar	
PINT	Los Pintados	
PINU	Pond Inlet	
PIO	Pinotepa	
PIOH	Piqua	
PIORA	Tunnel	
PIP	Pasuquin	
PIPA	Pietrapaola	
PIR	Pirmasens	
PIS	Pisa	
PISA	Pisayambo	
PIT	Pittsburgh	
PITA	Cotopaxi Volc (N)	
PIU	Piute Mountains	
PIV	Piva	
PIVM	Indian Valley	
PI-WY	Pinedale	
PJC	Pensacola State College	
PJD	Pedro Dome	
PJG	Potts Junction	
PJLM	Jolon Road	
PJ-PA	Pottstown	
PJRM	Jolon Road	JOL
PK-	Pilot Rock	PK-OR
PK1	Gold Hill	GHC
PK2	Work Ranch	WKR
PK3	Taylor Ranch	TRC
PKA	Prieska	
PKC	Peckham Road	
PKCU	Pink Cliffs	
PKD	Parkfield	
PKD1	Parkfield	
PKDT	Phuket	
PKE	Pukeiti	
PKEM	Kettleman Hills	
PKF	Parkfield Array	
PKGZ	Pakihiroa	
PKH	Park Hill	
PKI	Pulchoki	
PKIN	Phulchoki	
PKK	Porkkala	
PKKI	Palangkaraya	
PKKY	Potato Knob	
PKL	Puu Kaliu	
PKLO	Pickle Lake	
PKM	Peak Mountain	
PKME	Peaks-Kenny Pk	
PKN	Parkers Pond	
PKNC	Pores Knob	
PKNY	Stone Ridge	
PKO	Pickens	
PK-OR	Pilot Rock	
PKR	Le Roux Dam	
PKRO	Pickering	
PKS2	Kecel	
PKS6	Bocsa	
PKS7	Kunszentmiklos	
PKS8	Sarbogard	
PKS9	Tamasi	
PKSC	Csakvar	
PKSG		
PKSM	Moragy	
PKSN	Nyarlorinc	
PKST	T˜s	
PKT	Phuket	
PKVZ	Pokaka	
PLA	Palau	
PLAC	Placanica	
PLAL	Pickwick Lake	
PLAR	PLOIESTI	
PLAT	Plata	
PLAV	Platillon	
PLAY	Playas-San Antonio	
PLAZ		
PLBC	Pleasant Camp	
PLBL	Peulik Blue Creek	
PLC	Palomares Road	
PLCA	Paso Flores	
PLCV	Puerto La Cruz	
PLD	Plovdiv	
PLDF	La Plantade	
PLE	Pljevlja	
PLEC	Pleito Hills	
PLG	Polygyros	
PLH	Pulheim	
PLI	Panarea	
PLI2	Pozzilli	
PLID	Pearl Lake	
PLIG	Platanillo	
PLIO	Pelee Island, Stone Alvar Conservation Area	
PLK1	Peulik 1	
PLK2	Peulik 2	
PLK3	Peulik 3	
PLK4	Peulik 4	
PLK5	Peulik 5	
PLKI	Palangkaraya	
PLL	Puu Ulaula	
PLLN	Pollina	
PLM	Palomar	
PLMA	Palmaria, Porto Venere	
PLMI	Pala-Maneri	
PLML	Palmela	
PLMR	Palmer	
PLN	Plauen	
PLO	Pochutla	
PLOM	Lone Oak Road	LRC
PLONS	Plons/SG	
PLOR	Plostina	
PLOR1	Plostina Array site 1	
PLOR2	Plostina Array site 2	
PLOR3	Plostina Array site 3	
PLOR4	Plostina Array site 4	
PLOR5	Plostina Array site 5	
PLOR6	Plostina Array site 6	
PLOR7	Plostina	
PLOU	Loures	
PLP	Palo	
PLR	Palermo	
PLRM	Palmer USGS	PMR
PLRO	Paularo	
PLS	Point Lisas	
PLT	Pilot Knob	
PLTB	Pedras Altas	
PLU	Palu	
PLUM	Mont Dore	
PLUZ	Luz	
PLV	Phu-Lien	
PLVA	Point Lookout	
PLVO	Plevna	
PLWL	Peulik Whale Mountain	
PLWZ	Palliser	
PLY	Plymouth	
PM-	Pole Mt.	PM-WY
PMA	Port Moller	
PMAFR	Mafra	
PMAN	Manadas	
PMAR	Madeira	
PMAT	Coroa da Mata	
PMB	Pemberton	
PMBI	Palembang	
PMC	Poorman Mine	
PMCB	Calebasse	
PMCH	Puerto Montt	
PMCM	McMillan Canyon	
PME	Palmer East	
PMG	Port Moresby	
PMGM	Santa Margarita	
PMGR	Mogosoaia	
PMJU	Montehunto	
PMK	Pointe Molloy	
PML	Morne Lenard	
PMLM	Mount Lospe	
PMM	Presa Malpaso	
PMMC	Merrill Creek	
PMN	Pahute Mesa	
PMNB	Patos De Minas	
PMO	Pomariorio	
PMOR	Pomariorio Reef	
PMOZ	Porto Moniz, Madeira	
PMP	Pompeii	
PMPB	Monarch Peak	
PMPM	Monarch Peak	MOP
PMPS	Porto Santo	
PMPST	Porto Santo, Madeira	
PMR	Palmer	
PMRF	Poiana Mare	
PMRM	Maxey Ranch	
PMRV	Marv??o	
PMS	Palmer South	
PMSA	Palmer Station	
PMSI	Majene	
PMST	Lisbon--Monsanto	
PMSU	Muirshiel	
PMT	Pine Mountain	
PMTG	Montargil	
PMV	Pico Espejo	
PMW	Pole Mountain	
PM-WY	Pole Mountain	
PN-	Pine Creek	PN-OR
PN1	Presa Penitas 1	
PN2	Presa Penitas 2	
PN3	Presa Penitas 3	
PN4	Presa Penitas 4	PORM
PN6	Pavlof North-6	
PN7A	Pavlof North-7A	
PNA	Partacoona	
PNB	Pomio	
PNBI	Panbari	
PNC	Pine Canyon	
PNCL	Nicolau / Grandola	
PNG	Penghu	
PNH	Pitcher Mountain	
PNHZ	Pukenui	
PNI	Pinerolo	
PNIG	Pinotepa	
PNJ	Paterson	
PNK	Pinkham Creek	
PNL	Peninsula	
PNLK	Pine Lake Middle School	
PNMC	Pinto Mountains	
PNME	Penonome	
PNN	Pinnacle Mountain	
PNO	Pendleton	
PN-OR	Pine Creek	
PNP	Penuelas	
PNPO	Pukaskwa National Park	
PNR	Penrod	
PNS	Penas	
PNT	Penticton	
PNTR	Pine Nut	
PNVM	Presa Marin	
PNY	Plattsburgh	
PNZ	Plattsburgh	
PO-	Post	PO-TX
PO9	Polino	POI
POA	Poas	
POA2	Poas 2	
POAT	Poatina	
POB	Polly Butte	
POB1	Observatory	
POBI	Pontebba	
POBL	Monestir Poblet	
POBM	Portage Bay	
POC	La Pocatiere	
POCA	Pocatky	
POCR	Potenciana 2	
POCW	Po˜¡tky	
POE	Porton East	
POF	Pofadder	
POFI	Posta Fibreno	
POG	Pongola	
POGA	Pongola	
POGM	Potrero Grande	
POH	Pohoiki	
POHA	Pohakuloa	
POHV	Veracruz	
POI	Polino	
POK	Puuokali	
POL	Pola	
POLC	Polcenigo	
POLL	Polichno	
POLO	Lamas de Olo	
POLP	Polilio Island	
POM	Pomona	
PON	Ponce	
PONG	Pong	
PONT	Pont de Suert	
PONY	Stone Ridge	
POO	Poona	
POP	Popondetta	
POPB	Porto Primavera	
POPM	Popiglio	
POPR	Popesti-Leordeni	
POR	Portland	
PORM	Chiapas	
PORP	Portuguez	
PORT	Chimborazo Volcano	
POS	Porton South	
POT	Potsdam	
POTR	Potrero Hills, Fairfield	
POTS	Potsdam Coll	
POTV	Potrerito	
PO-TX	Post	
POU	Pouilloux	
POW	Powhatan	
POWZ	Post Office Road	
POZO	Pozo Almonte	
PP-	Pipestone	PP-MN
PP02	Calachota	
PP03	Condor	
PP04	Saramarca	
PP05	Tocota	
PP06	Puquio	
PP07	Ayacucho	
PP08	Chalhuanca	
PP09	Villa El Salvador	
PP10	Ancon	
PP16	Cajamarca	
PP1B	Ponte de Pedra	
PPA	Pie de Palo	
PPAD	Pico dos Padres	
PPB	Philisteinsche Polder	
PPB1	Philisteinsche Polder (Bergen)	
PPB2	Philisteinsche Polder (Bergen)	
PPB3	Philisteinsche Polder (Bergen)	
PPB4	Philisteinsche Polder (Bergen)	
PPBI	Pangkal Pinang	
PPC	Pine Pass	
PPCY	Paphos	
PPD	Presidente	
PPDR	Puerto Plata	
PPE	Popeni	
PPF	PLOIESTI	
PPFM	Parkfield Array	PKF
PPH	Pasian Peak	
PPHYL	Hylton High School	
PPI	Padang Panjang	
PPK	Piper Mountain	
PPL	Puu Pili	
PPLA	Purkeypile	
PPLM	Point Pleasant	
PPM	Popocatepetl	
PP-MN	Pipestone	
PPN	Papenoo	
PPNM	Papanoa	
PPNO	Prainha do Norte	
PPOM	Papayo	
PPR	Puerto Princesa	
PPRM	Paso Robles	
PPS	Pierpont	
PPSA	Petersburg Public Schools	
PPSI	Pulau Pagai	
PPT	Papeete	
PPT2	Papeete2	
PPTF	Pamatai, Papeete	
PPTM	Peach Tree Valley	PTV
PPU	Promontory Point	
PPXB	Puerto Pe˜–asco	
PPZ	Puysegur Point	
PQ0	Cooper Hill	
PQ1	East Ridge	
PQI	Presque Isle	
PQ-ID	Preston	
PQL	Pirkuli	
PQN	Pahaquarry	
PR-	Palmyra I.	PR-IS
PR01	Verghereto (FC)	
PR02	Localit˚ Poggio-Vacaldola (Sant'Agata Feltria RN)	
PR05	Cuzco--Tambomachay	
PR1R	Pomanovo	
PRA	Prague	
PRAC	Prado	
PRAF	Pradon	
PRAR	RASCA	
PRAV	El Prado	
PRC	Point Reyes	
PRCH	Ribeira Ch	
PRCM	Roach Canyon	
PRD	Provadia	
PRDA	Priddis	
PRE	Pretoria	
PREZ	Palmer Road	
PRF	Porvoo	
PRG	Perugia	
PRGF	Pas du Roy	
PRGR	Permogore	
PRGV	PARIAGUAN	
PRGZ	Paritu Road	
PRHZ	Porangahau	
PRI	Priest	
PRIN	Princeton	
PR-IS	Palmyra Island	
PRJ	Port Royal	
PRK	Paraskevi	
PRL	Portalegre	
PRLK	Prince Lake	
PRLS	Pirkuli	
PRM	Parsons Mountain	
PRMA	PARMA	
PRN	Pahroc Range	
PRNI	Paran	
PRNS	Prines Rethymno	
PRNY	Paleo Inst,Ithaca	
PRO	Pesaro	

Code	Station Name	Other
PROD	Prodromos	
PROV	Provideniya	
PRP	Porcupine Dome	
PRR	Perris	
PRRZ	Plateau Road	
PRS	Paraiso	
PRS1	Puriscal	
PRSC		
PRST	Prospect	
PRT	Prato-Toscana	
PRTR	Priterechnaya	
PRU	Pruhonice	
PRV	Porvoo	
PRVR	Provideniya	
PRW	Prosser	
PRWZ	Pori Road	
PRY	Parys	
PRYA	Perryville	
PRYF	Perigny	
PRYS	Parys	
PRZ	Przheval'sk	
PRZA	Preza	
PRZK	Prizren	
PS01	TAPS Pump Stn	
PS04	TAPS Pump Stn4	
PS05	TAPS Pump Stn5	
PS06	TAPS Pump Stn6	
PS07	TAPS Pump Stn7	
PS08	TAPS Pump Stn8	
PS09	TAPS Pump Stn9	
PS1	Pesaro	PRO
PS10	TAPS Pump St10	
PS11	TAPS Pump St11	
PS12	TAPS Pump St12	
PS1A	Pavlof South-1A	
PS4	Pavlof South-4	
PS4A	Pavlof South-4A	
PSA	Petersburg	
PSA00	Pilbara Seismic Array Element 00	
PSA1	Psathopyrgos	
PSAA1	Pilbara Seismic Array Element A1	
PSAA2	Pilbara Seismic Array Element A2	
PSAA3	Pilbara Seismic Array Element A3	
PSAB1	Pilbara Seismic Array Element B1	
PSAB2	Pilbara Seismic Array Element B2	
PSAB3	Pilbara Seismic Array Element B3	
PSAC1	Pilbara Seismic Array Element C1	
PSAC2	Pilbara Seismic Array Element C2	
PSAC3	Pilbara Seismic Array Element C3	
PSAD1	Pilbara Seismic Array Element D1	
PSAD2	Pilbara Seismic Array Element D2	
PSAD3	Pilbara Seismic Array Element D3	
PSAM	San Ardo	
PSAN	Santo Antonio	
PSB1	Pescosannita	
PSBA	Serra de Santa Barbara	
PSC	Isla de Pascua	
PSCH	Puerto Saavedra	
PSCM	Serra do Cume	
PSD	Pescadero	
PSDMA	Soufriere	
PSDMB	Cotton Hill	
PSDMZ	Portsmouth	
PSEM	See Canyon	
PSET	Sete Cidades	
PSF	Port Stanley	
PSG	Pto de San Jose	
PSG2	Pto San Jose 2	
PSGC	Pisagua	
PSH	Peshawar	
PSHM	Shandon	
PSI	Prapat	
PSL	Pistoia	
PSM	Palmasola	
PSMA	Santa Maria	
PSMM	Smith Mountain	
PSMN	Pico do Norte, Sta. Barbara	
PSN	Preselentsi	
PSNS	PSNS Bremerton SMO	
PSO	Pasto	
PSP	Palm Springs	
PSR	Paul Sauer Dam	
PSRM	Scobie Ranch	
PSRV	Vialonga--Serves	
PSSC	Serra do Socorro	
PST	Pasture Canyon	
PSTM	Stockdale Mountain	
PSUB	Penn St. - Brandywine Campus	
PSUR	Point Sur Hydrophone	
PSUT	Pine Spring	
PSV	Pishtovo	
PSWB	Penn State Wilkes-Barre	
PSZ	Piszkesteto	
PT-	Pendleton	PT-OR
PT01	Morro Solar	
PT02	Quilmana	
PT03	Guadalupe	
PT04	Zamaca	
PT05	Jicamarca	
PT06	Pisco	
PT08	Suche	
PT09	Santa Fe	
PT10	Camacho	
PT11	Juni	
PT18	Porculla	
PT2	Point Dume	
PT20	Maychil	
PT21	Montanita	
PTA	Punta Arenas	
PTAM	Tassajara Creek	
PTB	Point Barrow	
PTC	Porto Cannone	
PTCA	Ponta do Capelo	
PTCC	Patocco-Chiusaforte	
PTCH	Petorca	
PTCN	Pitcairn Island	
PTCO	Port Colborne	
PTCR	Potenciana	
PTD	Portland	
PTE	Portage	
PTEI	Pico do Teixo	
PTEN	Parque Tenorio	
PTEO	Sao Teotonio	
PTF	Prato	
PTG	Portageville	
PTGA	Pitinga	
PTGB	Pitanga	
PTGL	Punta Galera	
PTH	Pithoragarh	
PTI	Pocatello Creek	
PTJ	Puntijarka	
PTK	Pertek	
PTKI	Pontianak	
PTL	Penteli	
PTM	Pietermaritzburg	
PTMB	Porto Murtinho	
PTMD	Pantelleria Cuddia di Mida	
PTN	Potsdam (NY)	
PTNS	Petnica	
PTO	Porto	
PTOM	Tomar	
PT-OR	Pendleton	
PTP	Ponta Puerca	
PTP1	Petroterminal	
PTPK	Patty Peak	
PTPS	Port Pirie	
PTQR	Pietraquaria	
PTR	Peterson	
PTRJ	Pietraroja	
PTRM	Twissleman Ranch	
PTRP	Pietrapertosa	
PTS	Pantelleria	
PTT	Piatra Neamt	
PTU	Portage	
PTV	Peach Tree Valley	
PTVM	Pico Tres Padres	
PTYM	Taylor Ranch	TRC
PTZ	Petauke	
PU-	Purvis	PU-MS
PUB	Puale Bay	
PUC	Pucallpa	
PUCA	Punta Cana	
PUCM	Santiago	
PUCR	Pucara	
PUE	Puebla	
PUEL	Puelo Alto	
PUEX	Pudahuel	
PUH	Pauahi	
PUJ	Puerto Jimenez	
PUK	Puka	
PUL	Pulkovo	
PULI	Pulasari	
PU-MS	Purvis	
PUN	Puno	
PUNE	Pune	
PUP	Pupakea	
PUR	Purari	
PURC	Volcan Purace	
PUS	Pusan	
PUSN	Pusma	
PUT	Punta Talca	
PUTN	Putnam	
PUU	Piute Reservoir	
PUV	Pulaski	
PUVA	Puert Vallarta	
PUYE	Entre Lagos	
PUYF	Puyloubier	
PUYI		
PUZ	Puketiti	
PV-	Perryville	PV-AR
PV01	Paradox Valley	
PV02	Paradox Valley	
PV03	Paradox Valley	
PV04	Paradox Valley	
PV05	Paradox Valley	
PV06	Paradox Valley	
PV07	Paradox Valley	
PV08	Paradox Valley	
PV09	Paradox Valley	
PV10	Paradox Valley	
PV15	Paradox Valley	
PV6*	Piano Vulcano	
PVAQ	Vaqueiros	
PV-AR	Perryville	
PVC	Port Vila	
PVCC	Panska Ves	
PVCP	Virac	
PVER	Pico Vermelho	
PVF	Pernaja	
PVIA	Vitoria	
PVIS	Viseu	
PVL	Pavlikeni	
PVLZ	Pen@16o@15n de Ve@15lez	
PVM	Polavaram	
PVMO	Portageville	
PVN	Peters Valley	
PVNV	Vila Nova	
PVO	Paravola	
PVP	Pueblo Viejo	
PVPS	Palos Verdes	
PVR	Palos Verdes	
PVRC	Palos Verdes	
PVRL	Vila Real	
PVV	Pavlof Volcano	
PVY	Plav	
PW-	Pontiac	PW-IL
PWA	Palmer West	
PWH	Poliokeawe Pali	
PW-IL	Pontiac	
PWJI	Pagerwojo	
PWKM	Work Ranch	WKR
PWL	Port Wells	
PWLA	Pickwick Lake	
PWM	Pinawa	
PWMM	Westland Maintenance Station	
PWP	Barrio Florida	
PWS	Pulau-Weh	
PWTG	Paul Wright Trailer	
PWV	Princeton	
PWZ	Pawanui	
PX-	Philippi	PX-WV
PXO	Oaxaca	
PX-WV	Philippi	
PXZ	Pawanui	
PY-	Payson	PY-AZ
PYA	Pyatigorsk	
PYA1	Pyatigorsk	
PY-AZ	Payson	
PYF	Esparros	EPF
PYL	PYLOS	
PYLO	Lourdes	
PYM	Petit Puy Manson	
PYN	Poneloya	
PYO	Pyongyang	
PYR	Pyramid	
PYT	Playitas	
PYTN	Playitas	
PYUN	Piuthan	
PYZ	Puysegur Point	
PZ-	Ponce	PZ-PR
PZAR	Pazar-Rize	
PZC	Pizona Creek	
PZCI	Patelzick Creek	
PZF	Pozza Ferrara, Ferrara di Monte Baldo (VR)	
PZI	Palazzolo	
PZ-PR	Ponce	
PZUN	Potenza	
PZX	Poza Rica	
PZZ	Stroppo	
PZZT	Monte Pizzetto	
Q03C	Winters	
Q04C	Lincoln	
Q07A	Schurz	
Q08A	Gabbs	
Q09A	Carvers	
Q10A	Clear Creek Ranch, Tonopah	
Q11A	Duckwater	
Q12A	Willow Creek Ranch, Ely	
Q13A	Wheeler Ranch, Garrison	
Q14A	Sevier Lake (BLM), Delta	
Q15A	Fillmore	
Q16A	Castle Valley Ranch, Emery	
Q18A	Rafter H Ranch, Green River	
Q19A	Hogan Spring (BLM), Cisco	
Q20A	Ridgley Place, Grand Junction	
Q21A	Lamborn Mesa, Paonia	
Q22A	Crested Butte, Gunnison	
Q23A	Hartsel	
Q24A	Divide	
Q25A	Bedland, Calhan	
Q26A	Hugo	
Q28A	Sharon Springs	
Q29A	Oakley	
Q30A	Quinter	
Q31A	Ellis	
Q32A	Meitler Ranch, Lucas	
Q33A	Connelly Farm, Tescott	
QAD	Quadrado	
QAL	Quail Lake	
QAM	Ghamsar	
QARV	Quebrada Arriba	
QASM	Qassim	
QASN	Qassioun	
QAW	Queen Anne	
QBC	Quebec	
QBL	Gabala	
QC-	Queen Creek	
QCC	Queen Charlotte	
QCI	Quattro Castella	
QCL	Quebec	QBC
QCP	Quezon City	
QCQ	Quebec	QBC
QCR	Quepos	
QCS	Queen City Summit	
QEN		
QHRO	Qairoon Hariti	
QHW	Quartz Hill	
QIB	Qibla Bandi	
QIL1	Quilotoa	
QIL2	Quilotoa	
QILN	Qililugaq Exploration Camp	
QIS	Mount Isa	
QIT2	Quititos 2	
QITI	Quititos	
QIZ	Qiongzhong	
QLLN	Quello@15n	
QLMT	Earthquake Lake	
QLNO	Quiliano	
QLNY	Queensboro Lake	
QLP	Quilpie	
QMB	Queensbury	
QM-NV	Quartzite Mountain	
QMO	Quartz Mountain	
QN-	Quesnel	QN-BC
QN-BC	Quesnel	
QNR	Quinn River	
QPS	Quepos	
QRHJ		
QRI	Quarto	
QRN	Al-Qurain	
QRNJ	Al-Qirein	
QRV	Quinn River Valley	
QRZ	Quartz Range	
QSAR	Qusar	
QSB	Qsaybeh	
QSH	Qafa e Shtames	
QSM	Queen of Sheba Mine	
QSPA	South Pole Quiet Zone Earth Science Observatory	
QSR	Quien Sabe Ranch	
QTBJ	Casr Tuba	CSTJ
QTFJ	Qatafi	
QTN	Queenstown	
QTO	Quito	
QTOE	Estacion Edusismo	
QTRJ	Qatrana	
QUA	Quabbin	
QUA2	Belchertown	
QUAR	Qualls	
QUB	Quba	
QUBA	Quba, Azerbaijan	
QUE	Quetta	
QUEM	Puengasi	
QUES	Loma Quita	
QUET	Quetta	
QUI	Quito	
QUIF	Quistinic	
QUIG	Queretaro	
QUIL	Quilotoa	
QUIN	Quiabu	
QUL	Quillagua	
QUM	Quillmana	
QUND	Qund	
QUR	Rumipamba	
QURS	Qurayyt al Milh	
QURY	Yakoun River	
QUT	Tumbaco	
QUTJ	Qutrana	
QVP	Quezon City--PHIVOLCS	
QVPH	Quezon City--PHIVOLCS	
QZA	Quezalapa	
QZG	Quezaltepeque	
QZH	Quanzhou	
QZN	Quanzhou	QZH
QZO	Quartz Mountain State Park	
QZX	Qazax, Azerbaijan	
R04C	Big Horse Ranch, Ione	
R05C	Kirkwood Meadows Resort, Kirkwood	
R06C	Coleville	
R07C	Lee Vining	
R08A	Mina	
R09A	Tonopah	
R10A	Warm Springs	
R11A	Troy Canyon, Currant	
R12A	Pony Springs, Pioche	
R13A	O'Grain Ranch, Modena	
R14A	James Farms, Milford	
R15A	Junction	
R15V		
R16A	Teasdale	
R17A	Hanksville Airport, Hanksville	
R18A	Canyonlands National Park, Moab	
R19A	Curley Farm, La Sal	
R20A	Redvale	
R21A	Cimarron	
R22A	Saguache, Gunnison	
R23A	Moffat	
R24A	Sanders Place, Florence	
R25A	Fountain Ranch, Boone	
R26A	Arlington	
R27A	Eads	
R28A	Tribune	
R29A	Marienthal	
R30A	Dighton	
R31A	Burdett	
R32A	Long Quarter, Great Bend	
R33A	Olander Ranch, Little River	
RAB	Rabaul	
RABH	Abou Rabah	
RABL	Rabaul	
RAC	Raciborz	
RADA	Ahram - Rada'a city Al-Baydha Gov. - Yemen	
RAEZ	Rainy Point	
RAF	Rauma	
RAFF	Raffo Rosso	
RAFT	RAFT	
RAG	Roghun	
RAGM	Ragged Mountain	
RAGZ	Rawiri	
RAHZ	Arahi	
RAI	Raspberry Island	
RAIO	Rainier	
RAK	Rakhov	
RAKU	Rahkiv	
RAL	Rabalanakaia	
RALT	Raleigh	
RAM	Raman	
RAMA	Ramapo Mountain	
RAMN	Ramite	
RAMR	Ramage Ranch	
RAMW	Rammel Mountain	
RAN	Rangoon	
RANB	Rancho Bola	
RANI	Rangndo	
RAO	Raoul Island	
RAP	Rapindik	
RAR	Rarotonga	
RAT	Rat Island	
RATI	Rata	
RATZ	Rangitukua	
RAV	Ravensburg	
RAVA	Ravarino	
RAW	Raver	
RAY	Raywood Flat	
RAYA	Raymond Alberta	
RAYN	Ar Rayn	
RBA	Rabat	
RBAR	Bucharest-INCERC-Test Bldg	
RBC	Rio Blanco	
RBDL	Robledal	
RBEN	Benson Hill Elementary School	
RBH	Right Bank House--Pihur	
RBK	Rabkut	
RBL	Raibl	
RBN	Rybnik	
RBNC	Richland Balsam	
RBO	Rocky Butte	
RBSI	Rajabasa	
RBU	Red Butte Canyon	
RBY	Rainbow Mountain	
RBZ	Rabat Zaers	
RC01	Rabbit Creek Array Site 1	
RC1	Royal City	
RCBR	Riachuelo	
RCC	Rio Carpintero	
RCD	Rapid City	
RCDM	Rinconada Maipu	
RCG	Rock City	
RCH	Reche Mountain	
RCHB	Rochefort	
RCI	Reggio Calabria	
RCJ	Ross Creek	
RCL	Mte Valcellina	
RCLA	Racherla	
RCLB	Rio Claro- Sao Paulo-Brazil	
RCM	Mount Rainier--Camp Muir	

Code	*Station Name*	*Other*
RCO	Red Cone	
RCP	Roxas	
RCP2	Recreation Park	
RCR	Cape Wrath	
RCRC	Randolf College Riding Center, Lynchburg	
RCS	Mount Rainier--Camp Schurman	
RCT	Riceville	
RCTC	Rector, Farmersville	
RCW	Richland	
RCWM	Renegade Canyon West	
RCY	Rachaya	
RD01	Burlington	
RD02	Waterdown	
RD03	Mount Hope	
RD04	Stoney Creek	
RDC	Rolduc	
RDDR	Redoubt East 2	
RDE	Redoubt Vol. East	
RDEA	Red Earth Creek	
RDF	Al-Radifah	
RDG	Rabinal	
RDJ	Rio de Janeiro	
RDJH	Redoubt Jeurgen	
RDLO	Red Lake	
RDLQ	Riviere-du-Loop	
RDM	Round Mountain	
RDMU	Red Mountain	
RDN	Redoubt North	
RDO	Rodhopi	
RDP	Rocca di Papa	
RDS	Siegrist	
RDSS	Rosedale State School	
RDST	Rhodes College	
RDT	Redoubt	
RDW	Redoubt West	
RDWB	Redoubt West	
RDWR	Rand Water	
RDX	Rancho Dawling	
RE01	Neviano degli Arduini - PR	
RE02	Canossa - RE	
RE03	Vedriano (Canossa) - RE	
RE04	Sedrio (Vezzano sul Crostolo) - RE	
RE05	Terme di Santa Lucia (Busana) - RE	
RE06	Pratopiano (Palanzano) - PR	
RE07	Pizzano Val di Parma - PR	
RE08	Castello di San Valentino (Castellarano) - RE	
RE1	Mte Valcellina	RCL
REAL	Reales	
REB	Eisghbrachaidh	
REC	Recreo	
RECU	Ecuador Network	VC1
RED	Redoubt Volcano	
REDH	Redhead, NSW Australia	
REDP	Redondo Peak	
REDW	Red Top Meadow	
REDWA	Red Mountain	
REF	Redoubt East Flank	
REFA	Refahiye_ERZ˙NCAN	
REG	Rock Eagle	
REG*	Regar	RGR
REI	Reidovoe	
REKY	Reed	
REL	Relizane	
RELT	Roellen	
REM	Remote	
REMR	Mount Rainier--Emerald Ridge	
REMW	Rembrandt	
REN	Reno	
RENF	Rennes	
RER	Riviere de l'Est	
RES	Resolute Bay	
RESF	Ens	
RESI	Resinera	
RESU	Resuttano	
RETA	Reutte	
RETU	Refugio	
REU	Reunion Island	
REUT	Washington Fields	
REVE	Rev-Rev Volc	
REVF	Revere	
REVI	Revivim	
REW	REWA	
REX	Rexburg	
REY	Reykjavik	
REYF	Montagne du Rey	
REYT	Reyhanli	
RFA	San Rafael	
RFDD	Rafsanjan	
RFI	Roccamonfina	
RFM	Reservoir Flats	
RFO	Forsnaval	
RFSB	Richmond Field	
RFTA	Plano	
RFVM	Rio Frio	
RFYF	Reffroy	
RG-	Redig	RG-SD
RGA	Parga	
RGC	Rangely	
RGD	Ragged Mountain	
RGN	Rugen	
RGNG	Rignano Grg	
RGR	Regar	
RGRI	Rengat	
RGRS	Roger Stewart	
RGS	Rognes	
RG-SD	Redig	
RGZ	Rangipo	
RHA	Reichold	
RHAM	Hammer	
RHAZ	Hazelwood Elementary School	
RHD	Arkhangelos	ARG
RHJ	Red Hills	
RHK1	Bakonya	
RHK2	Bata	
RHK3	Tenkes	
RHM	Rio Hardy	
RH-NV	Rawhide Mountain	
RHO	Rhodes	
RHP	Rhoboro Hills	
RHT	Red Hill	
RHU	Roosevelt Hot Springs	
RIA	Ribeira da Areia	
RIA0	Ribeira da Areia	RIA
RIB	Ribeirinha	
RIB2	Ribeirinha	
RIC	Richmond	
RICH	Rich Mountain	
RIDG	Independ'e Ridge	
RIEH2	Riehen 2 (BS)	
RIFB	Rifaina	
RIGZ	Rimuhau	
RII	Riito	
RIM	Rim	
RIMQ	Rimouski	
RI-MS	Richton	
RIN	Volcan Rincon	
RIN2	Volcan Rincon	
RIN3	Volcan Rincon	
RIO	Rio Grant	
RIOB	Rio Branco	
RIOE	Riobamba	
RIOE1	Riobamba	
RIOV	Rio Grande	
RISI	Rein	
RITOM	Lago Ritom (SBB)	
RITZ	Rihia Road	
RIU	Riou	
RIV	Riverview	
RIVT	Riveris	
RIY	Rijeka	
RIZ	Raoul Island	
RJF	Les Rejaudoux	
RJOB	Jochberg	
RK-	Red Lake	RK-ON
RK1	Rhampton Hrock	
RK2	Rhampton Srock	
RK2S	Rockhampton 2 Soft	
RKAV	Rock Avalanche	
RKG	Rocky Gully	
RKGY	Rocky Gully	
RKHB	Rokh Bas	
RKO	Rokko	
RK-ON	Red Lake	
RKPI	Ransiki, Papua	
RKS	Reko	
RKT	Rikitea	
RKY	Sarkoy-Tekirdag	
RL-	Rib Lake	RL-WS
RLA	Relizane	
RLKO	Red Lake	
RLMT	Red Lodge	
RLO	Rose Lookout	
RLS	Riolos of Patras	
RLSP	Rockland Lake	
RLW	Rice Lake	
RL-WS	Rib Lake	
RM01	Lucoli (AQ)	
RM02	Colle Roio	
RM03	San Martino d'Ocre	
RM04	Rocca di Mezzo	
RM05	Colli (Barete)	
RM06	Scoppito	
RM07	Collebrencioni	
RM08	Filetto	
RM09	Piano di Cascina (Cagnano Amiterno)	
RM10	Cesaproba (Montereale)	
RM11	Collenoveri	
RM12	Casamaina	
RM13	Rovere (Rocca di Mezzo)	
RM14	Barisciano	
RM15	Castiglione (Tornimparte)	
RM16	Terranera (Rocca di Mezzo)	
RM18	Fano Adriatico	
RM20	Borbona	
RM21	Selvarotonda (Cittareale)	
RM22	Micigliano	
RM23	Viesci	
RM24	Colle Belvedere (Rocca di Mezzo)	
RM25	Mosicchio (Amatrice)	
RM26	Passo delle Capannelle	
RM27	Carapelle Calvisio	
RM28	Assergi	
RM29	Verrico (Montereale)	
RM30	Cerqua	
RM31	Accumuli	
RM32	Poggio Cancelli	
RM33	Pellescritta (Montereale)	
RMA	Rockefeller Mts	
RMB	Rombauer	
RMBN	Ramban	
RMCR	Rio Macho	
RMG	Rome (USA)	
RMGF	Ravine Marchand	
RMGR	Halanga-Turnu Severin	
RMI	Round Mountain	
RMI2	Roccaromana	
RMJ	Rumoi	
RMKL	Ramhormoz	
RMN	Mount Ramon	
RMNB	Reason Mountain	
RMNI	Mount Ramon	
RMO	Rochester (NY)	
RMOA	Moar Alm	
RMP	Rome, Mte Porzio	
RMQ	Roma	
RMR	Rimrock	
RMSF	Reims	
RMT	Round Mountain	
RMU	Rainbow Monument	
RMVG	GOVORA	
RMW	Rattlesnake Mountain	
RMX	La Rumorosa	
RN-	Rainelle	RN-WV
RNC	Little Raleigh	
RND	Reindeer	
RNDA	Aranda	
RNF	Rovaniemi	
RNHA	Neuhaus	
RNI	Roncone	
RNI2	Rionero Sannitico	
RNO	Roman Nose	
RNON	Nonn-Bad Reichenhall	
RNTT	Ranong	
RN-WV	Rainelle	
RNYS	Ranyah	
ROA	Roan Cliffs	
ROB	Robourent	
ROBI	Boca de Chavon	
ROBS	Robic@19	
ROC	Rochester	
ROC1	El Roble	
ROCE	Novi Di Modena	
ROCH	El Roble	
ROD	Rodman Mountain	
RODG	Roetgen-Dahlheim	
RODI	Rodini	
ROF	Roppe	
ROG	Rognes	
ROH	Rohtak	
ROHR	Rohrbach	
ROI	Rossano	
ROIA	ROIAK	
ROKL	Rocklands	
ROKM	Rocklands Reservoir	
ROKY	Rotten Point	
ROL	Rolla	
ROM	Rome	
ROM9	Roma	
ROMN	Roman Lake	
RON	Remote	
RONM	Roccetta Nervino	
ROOS	tl_alroos	
RORO	Rocca Rossa	
RORSS	Ber_school_1	
ROS	Roseneath	
ROSA	Rosais	
ROSC	El Rosal	
ROSF	Rostrenen	
ROSI	Rosskopf	
ROSS	Ross	
ROT	Rotorua	
ROTD	Rotterdam (NY)	
ROTM	Rocchetta Tanaro	
ROTU	Roteberg	
ROTZ	Rotzenmuhle	
ROU	Rougiers	
ROUQ	Riviere-Ouelle	
ROVE	Rovereto Di Novi	
ROVR	Rover˚¤ Veronese	
ROW	Rowesville	
ROWM	Rowsley	
ROX	Roxburgh	
ROYM	Rob Roy	
RPA	Roopena	
RPF	Rose Park Fire Station, Salt Lake City, UT	
RPK	Roosevelt	
RPM	Rheinpreussen Mine	
RPN	Rapa Nui	
RPR	Rampur	
RPSI	Rantau Prapat	
RPT	Raluana Point	
RPV	Rancho Palos Verdes	
RPW	Rockport	
RPZ	Rata Peaks	
RRD	Roosevelt Roads	
RRH	Rhenigidale	
RRHS	Rochester High School	
RRI	Red Ridge	
RRI2	Red Ridge	
RRL	Rocca Remolon	
RRO	Red Rock Canyon	
RRP	Roosevelt Roads	
RRR	Rubha Reidh	
RRRZ	Republican Road	
RRX	Edison Barstow Service Cntr	
RS-	Russell Springs	RS-KY
RS1	Redoubt South 1	
RS2	Redoubt South 2	
RSA	Sarsar	
RSB	Ravensbos	
RSBC	Riverside Borehole	
RSC	Scourie	
RSCM	Risco	
RSCP	Cumberland Plateau	
RSD	Rainshed	
RSDY	Resadiye-TOKAT	
RSE	Rose Pump	
RSH		
RSHJ	J Risha	JRSJ
RSHS		
RSJ	Rancho San Jose	
RS-KY	Russell Springs	
RSL	Roselend	
RSM	Repubblica di San Marino	
RSNT	Yellowknife	
RSNY	Adirondack	
RSO	Redoubt South	
RSON	Red Lake	
RSP	Reno Superiore	
RSPO	Restoule Provincial Park	
RSRB	Richmond-San Rafael Bridge	
RSSD	Black Hills	
RST	Umm Al-Ruwaisat	
RSTA	Tijuco Alta	
RSU	Mount Rainier--Summit	
RSUT	Red Spur Mountain	
RSV	Radio Antilles	
RSW	Rattlesnake Hills	
RSY	Rusayo	
RT-	Raton	RT-NM
RTA	Riberalta	
RTB	Rutbah	
RTBI	Rangdo, Negare	
RTBS	Barreal	
RTC	Rabat Centre	
RTCB	Cerro Blanco	
RTCV	Cerro Valdivia	
RTK	Rohtak	
RTLL	Cerro Villicun	
RTLS	Leoncito	
RTMI	Retamim	
RTMM	Retamin	
RTMQ	Marquesado	
RTN	Rota	
RT-NM	Raton	
RTO	Tolsta	
RTP	Ruataniwha	
RTPR	Patquia	
RTQ	Roma	
RTR	El Retiro	
RTRS	Rodeo	
RTUL	Rataul	
RTV	Rentapao	
RTY	Rotoiti	
RTZ	Ruatahuna	
RUB	Prince Rupert	
RUBB	Prince Rupert	
RUDS	Rudovci	
RUDU	RUNDU	
RUE	Ruedersdorf	
RUGZ	Raukumara Range	
RUM	Rumangabo	
RUMJ	Er Rumman	
RUN	Ruthven	
RUN2	Runtun	
RUN3	Runtun 3	
RUN5	Runtun	
RUND	Rundenannen	
RUP	Ruppelstein	
RUS	Russkaya	
RUSC	La Rusia	
RUSF	Rustrel	
RUSM	Rushworth	
RUT	Ruth	
RUTI	Ruteng	
RUV	Rauvai	
RUWJ	Ruweisid	
RUZ	Raurimu	
RVAZ	Riverhead Borehole	
RVC	Mount Rainier--Voight Creek	
RVCM	Rose Valley Central	
RVE	Reveille Range	
RVI2	Rocchetta Volt	
RVM	Rio Vista Mine	
RVR	Riverside	
RVRD	Rio Verde	
RVS	Riverside Mountains	
RVUT	Riverside	
RVVM	Revivim	
RVW	Rose Valley	
RW1	Ridgway	
RW2	Ridgway	
RW3	Ridgway	
RW4	Ridgway	
RW5	Ridgway	
RW6	Ridgway	
RWB	Wassenberg	
RWMO	Wildenmoos	
RWW	Ranney Well	
RWWY	Rawlins	
RXF	Rexford	
RY-	Ryder	RY-ND
RYB	Rybach'ye	
RYD	Riyadh	
RYDS	Riyadh	
RYN	Ryan	
RY-ND	Ryder	
RYS	Reyes Peak	
RZN	Rozhen	
S04C	Ingram Canyon, Westley	
S05C	Merced	
S06C	San Francisco Camp Mather, Mather	
S08C	White Mtn Res Sta-Crooked Creek, Bishop	
S09A	Goldfield	
S10A	Tonopah Range, Tonopah	
S11A	Rachel	
S12A	Delamar Landing Field, Caliente	
S13A	Holt Ranch, Enterprise	
S14A	Cedar City	
S15A	Panguitch	
S16A	Weppner Ranch, Escalante	
S17A	Black Ridge (BLM), Bullfrog Basin	
S18A	Hurst Farm, Blanding	
S19A	Harvey Farm, Monticello	
S20A	Disappointment Valley, Cahone	
S21A	Coal Bank Pass, Durango	
S22A	4UR Ranch, Creede	
S23A	Nye Farm, Monte Vista	
S24A	Houchin Ranch, La Veta	
S25A	Robets Cordova Ranch, Walsenberg	
S26A	Kim	
S27A	Las Animas	
S28A	Manter	
S29A	Ulysses	
S30A	Montezuma	
S31A	Mullinville	
S32A	Newby Ranch, Pratt	
S33A	Kaszmaul Farm, Murdock	
SA-	Seneca	SA-OR
SA2	San Angelo	SA2TX
SA2TX	San Angelo	
SA4	San Angelo	SA4TX
SA4TX	San Angelo	
SAA	Sakai	
SAAT	Saatly	
SAB	Saberio	
SABA	Saba	
SABC	Sabc	
SABG	Sable island	
SABO	M.te Sabotino	
SABS	Saba	
SABT	Saba	
SAC	San Andreas	
SACA	Loma Carmona	
SACR	S. Croce Del Sannio	
SACS	San Casciano dei Bagni	
SACV	Santiago Island	
SAD	Saidpur	
SADA	Sad'ah	
SADC	Saddle Peak	
SADO	Sadowa	
SADQ	Saint-Augustin-de-Desmaures	
SAE	Statte	
SAF	Zefat	
SAFT	Safranbolu	
SAG	Saga	
SAGI	Saggi Highlands	
SAH	Sawauchi	
SAHE	Sakarya_HENDEK	
SAI	Saigo	
SAIU	Southern Antelope Island	
SAJV	Sajaritas	
SAK	Sakata	
SAL	Salo	
SALA	Sala	

Code	Station Name	Other
SALAN	Lac Salanfe	
SALB	San Lorenzo Bellizzi	
SALC	Salvajina	
SALF	Salau	
SALI	Salinas	
SALJ	Salt	
SALM	Salem	
SALO	Salr	
SALR	Pechorkino, Salair, Kemerovskaya Oblast', Russia	
SALT	Sultana	
SALU	Saltoluokta	
SALX	Saltillo	
SAM	Samarkand	
SAMA	S.Maria delle Mole (Ciampino, Roma)	
SAMG	Sameba	
SAMH	Samovar Hills	
SAML	Samuel	
SAMO	Samokov	
SAMS	Samsun-Alacam	
SAN	Santiago	
SAN1	Sandwick	
SANA	San'a	
SANI	Sanana	
SANQ	St-Andre-du-Lac-St-Jean	
SANT	Santorini	
SANU	Sandwick	
SANV	Sanarito	
SANY	Sanborn	
SANZ		
SAO	San Andreas Geological Observatory	
SAOF	Saorge	
SAON	Isla Saona	
SA-OR	Seneca	
SAP	Sapporo	
SAPN	Saipan	
SAR	Sarajevo	
SARI	SarD1z-Kayseri	
SARN	Sarigan	
SARO	Sassorosso	
SARP	Sargodha	
SARR	Saratov	
SART	Tekirdag	
SAS	Saskatoon	
SASA	Sand Point	
SASS	Sassa´´´´´	
SAT	Sang-Tuda	
SAT1	San Antonio Texas	
SATI	Passo dei Salati	
SATS	Thornton Park	
SAU	Saltair	
SAUI	Saumlaki	
SAUR	Augst-Roemermuseum	
SAV	Savannah	
SAW	Saint Andrews	
SAX	Saentis	
SAY	Sayfiye	
SAZ	Santa Maria Island	
SB-	Grafenberg Ar.	GRF
SB1	Sierra Blanca Array Site 1	
SB2	Sierra Blanca Array Site 2	
SB3	Sierra Blanca Array Site 3	
SBA	Scott Base	
SBAF	Basel-Friedhofgasse	
SBAP	Basel-PUK	
SBAT	Basel-Tropenhaus	
SBB	Saddle Back Butte	
SBC	Santa Barbara	
SBCZ	Sonora Basin	
SBD	Saint Breward	
SBD1	Bryn Du	
SBDP	Sheikh Budin	
SBE	Sebes	
SBEA	Susan B. English School	
SBES	Silver Beach Elementary School	
SBF	Sospel	
SBG	Sibinal	
SBH	Shibata	
SBI	Santa Barbara Island	
SBID	Snowbank Mountain	
SBIS2	Binningen	
SBJ	Shimobe	
SBJI	Serang	
SBK	Seabrook	
SBKC	Saddleback Mountain	
SBL	Sacbachol	
SBLS	San Blas	
SBM	South Baldy	
SBN	Saba	
SBNU	Taloyoak	
SBO	Springbok	
SBP	Subic Bay	
SBPH	San Jose del Monte	
SBPO	S.Benedetto Po	
SBQ	Sherbrooke	
SBR	S Black Range	
SBRN	Brisbane	
SBS	Sidi-Bou-Said	
SBSI	Sibolga	
SBT	San Benito	
SBT1	Cinarcik-Koru-Yalova	
SBT2	Guzelce-Avcilar-Istanbul	
SBT3	Marmara-Ereglisi-Tekirdag	
SBT4	Kumbag-Tekirdag	
SBT5	Esenkoy-Cinarcik-Yalova	
SBTG	Sabatlo	
SBU	Stansbury Island	
SBUA2	Buchs, Altendorf	
SBUB	Buchserberg Malbun	
SBUM	Sibu	
SBV	Sambava	
SBVC	San Bernardino Valley	
SBY	Sand Bay	
SC-	Sutcliffe	SC-NV
SC2M	Scurtabo	
SCA	Santa Cruz	
SCB	Scarborough	
SCC	Santa Cruz	
SCCB	Santa Clara County Offices	
SCCK	Coley Creek	
SCCM	Colson Canyon	
SCCW	Shoreline CC	
SCE	Schlegeis	
SCE1	Shell Creek	
SCEL	Celerina	
SCER	sogukcermik	
SCF	Sheep Creek Facility	
SCG	Saint Claude	
SCH	Schefferville	
SCHD	Schmiedefeld	
SCHE	Schaffhausen-Ebnat	
SCHF	Schoenfels	
SCHN	Schinveld	
SCHQ	Schefferville	
SCHR	S. Chirico Raparo	
SCHRR	Schitu	
SCHS	Schaffhausen, Spital	
SCI	San Clemente Island	
SCIA	State Center	
SCIG	Sabancuy	
SCJI	Gunung Srandil	
SCK	South Creake	
SCL	Santa Clara	
SCLL	Scilla	
SCLT	Jiali	
SCM	Sheep Creek Mountain	
SCMO	St. Charles CC	
SCN	Sunset Crater	
SCNT	Darkhovein	
SC-NV	Sutcliffe	
SCO	Scoresbysund	
SCOM	Sussex County Emergency Operations Center	
SCOU	Cournillens	
SCP	State College	
SCP1	State College	
SCPH	Surigao	
SCR	San Cristobal	
SCRK	Sand Creek	
SCRN	Santa Cruz	
SCRT	Cerro San Cristobal	
SCRV	San Cristobal	
SCS	Sicasica	
SCT	Scotty Lake	
SCTE	Santa Cesarea Terme	
SCU	Sheep Canyon	
SCUC	Scuol-Clozza	
SCUM	Serra do Cume	
SCUT	Santa Clara	
SCV	Saint Croix	
SCVI	Saint Croix	
SCW	Sherman Crater--Mount Baker	
SCX	San Cristobal	
SCY	Stone Canyon Reservoir	
SCYB	Stone Canyon	
SCZ	Santa Cruz	
SCZP	Santa Cruz	
SCZT	Fangliau	
SDA	Shkodra	
SDAN	Sedan	
SDB	Sa da Bandeira	
SDC	San Diego	
SDCA	Salto do Cavalo	
SDCO	Great Sand Dunes National Park	
SDD	Santo Domingo	
SDD01	Loma Colora	
SDD02	Loma Siseviere	
SDD03	Loma La Ceniza	
SDD04	Loma El Mogote	
SDD05	Loma Manaclilla	
SDD06	Hatillo	
SDD07	Loma El Cafe	
SDD08	Loma Yayales	
SDD09	Ceiba Bonita	
SDD10	Monte Rojo	
SDDR	Presa de Sabaneta	
SDE	Santiago Estero	TPA
SDEM	Sadie Cove	
SDF	Sodankyla	
SDG	Sourdough	
SDH	Striped Hills	
SDI	San Donato	
SDJ	Sanada	
SDKM	Sandakan	
SDL	Saddle Mountain	
SDLC	Saltdale	
SDLR	Sedlovina	
SDM	Santiago Maria	
SDMD	Soldier's Delight Natural Environment Area	
SDMZ	Santiago de Maria	
SDN	Sand Point	
SDNR	Sundarnagar	
SDO	Salado	
SDOM	Mount Sodom	
SDP	Sudden Peak, Lompoc	
SDPT	Sand Point	
SDR	Surduc	
SDRC	San Diego Road Dept, El Cajon	
SDS	Sanatorio Duran	
SDSI	Sungai Dareh	
SDV	Santo Domingo	
SDW	Sidewinder Mine	
SE-	Sleepy Eye	SE-MN
SEA	Seattle	
SEAG	Tbilisi Sea	
SEAR	Searcy	
SEAS	Seaside SMO	
SEB	Sibenik	
SEC	Stevens Creek	
SECR		
SEDN	First Sedna Site,Hudson Bay	
SEF	Sefi@18d Ru@18d	SRI
SEG	Port Louis	
SEGC	San Emigdio	
SEH	Sehore	
SEHB	SEOHWA	
SEI	Scarperia	
SEJ	Sejong Station	
SEK	Senekal	
SEKA	Sheki	
SEL	Semlyachik	
SELA	Sela	
SELF	Sixty Eight Flow	
SELQ	St-Eleuthere	
SELS	Selova	
SELV	Sierra Elvira	
SEM	Semipalatinsk	
SEMD	Semdilli	
SEMI	Semponon	
SE-MN	Sleepy Eye	
SEN	Sendai	
SEND	SEND	
SENI	Senigallia	
SENIN	Lac Senin/Sanetsch	
SENK	Senkaya-Erzurum	
SEO	Seoul	
SEPW	September Lobe	
SER	Sermur	
SERE	Sereflikochisar	
SERG	Sergoula	
SERI	Serifos	
SERS	Sersale	
SES	Suffield	
SESP	Santiago Espada	
SEST	Monte Rota	
SET	Setif	
SET2	Ginetes	
SET3	Pilar	
SET4	Mosteiros	
SETA	Sete Cidades	
SEUS	St. Eustatius	
SEV	Sevastopol'	
SEW	Seward	
SEY	Seymchan	
SEY1	Mahe	
SEYC	Seychelles	
SEYT	Eskypehyr	ESKT
SF-	Snowflake	SF-AZ
SF2	Kangerlussuaq 2	
SFA	Sept-Chutes	
SFAN	Fancy Village	
SF-AZ	Snowflake	
SFB	San Francisco	
SFC	San Francisco	
SFD	Strofades	
SFDO	San Fernando	
SFER	Spokane Schools, Ferris High School ANSS-SMO	
SFF	Sheffield	
SFG	Saint Francois	
SFH	Hasselmere	
SFI	Santa Sofia	
SFIN	Scholer Farm	
SFJ	Sondre	
SFJD	Kangerlussuaq 2	
SFJM	Santa Fe	
SFK	Sufi-Kurgan	
SFL	San Felipe	
SFM	San Francisco	
SFN	Sterling Forest	
SFNV	Sufian	
SFO	Sterling Forest	
SFP	San Felipe	
SFR	San Francisco--Rincon	
SFRA	Frenkendorf	
SFS	San Fernando	
SFT	Stanford Telescope	
SFTF	Sexfontaines	
SFTN	Shelby Forest	
SFTX	Fort Shafter	
SFUC	San Fernando	
SFX	San Felipe	
SFX2	San Felix	
SG-	Seligman	SG-AZ
SG1	Sgolgore (BA)	
SG6*	San Gibilmanna	
SGA	Stephens Glacier	
SGAM	Sherman Glacier	
SGAS	Stanga	
SG-AZ	Seligman	
SGB	San Diego Bay	
SGC	Saratoga Golf Course	
SGCP	Mt. Cagua	
SGD	Sagiada	
SGE	South Ridge	
SGEB	BUCURESTI	
SGEM	Genf, Marziano	
SGEV	Gen¨ove, Vieux-Billard	
SGF	Sodankyla@14	
SGG	Gregorio Matese	
SGH	Sud-Ghoubbet	
SGI01	Saint George Infrasonic Array Site 1	SGIAR
SGI02	Saint George Infrasonic Array Site 2	
SGI03	Saint George Infrasonic Array Site 3	
SGI04	Saint George Infrasonic Array Site 4	
SGIA	Mirandola	
SGIAR	Saint George Infrasonic Array Beam Reference Point	
SGJ	Sugihashi	
SGK	Hsinkong	HSI
SGKI	Sangatta, Kalimantan	
SGKR	Sergokala	
SGKT	Sivrigoynuk	
SGL	Mount Signal	
SGLT	Jiouru	
SGM	Silver Gate	
SGMF	Saint Gilles	
SGMN	Shimogamo	
SGN	Springfield	
SGNT	Sidi Gnaou	
SGO	Sicignano	
SGP	San Gregorio	
SGR	Segre	
SGRA	Graechen Ausblick	
SGRN	Sagara	
SGRQ	St-Georges	
SGRT	San Giovanni Rotondo	
SGS	Saint George	
SGSI	Sangihe	
SGST	Jiashian	
SGSU	St. George Fire Station	
SGT	Sevinc	
SGTA	Sant Agata di Puglia	
SGU	Sterling	
SGV	South Grapevine Mountains	
SGW	Sigmaringen-Wittberg	
SGY	Signy Island	
SGZ	Semigandzh	
SH-	Shamokin	SH-PA
SH2	Sharm el Sheik	
SHA	Spring Hill	
SHA1	Shidzhatmaz	
SHAO	Shalim	
SHAR	Shatzhatmas	
SHB	Sechelt	
SHBG	Sahibganj	
SHBJ	Al Shahba	
SHBS		
SHC	Mount Saint Helena	
SHD	Sha@18hru@18d	
SHDB	Maple Bay	
SHE	Samaxi	
SHEL	Horse Pasture	
SHF	Shawinigan Falls	
SHG	Shirttail Gulch	
SHGH	Shai Hills	
SHGO	Shushtar	
SHGR	Shooshtar-Gavsavar	
SHH	Sheep Hole Mountains	
SHI	Shiraz	
SHID	Shide	
SHIN	Springhill	
SHIO	Shillong	SHL
SHIU	Shidnytsya	
SHJ	Shiono misaki	
SHK	Shiraki	
SHKI	Saki	
SHL	Shillong	
SHLN	Saint Helena Island	
SHLY	Spokane Temp K2 (Swanson)	
SHM	Shimizu	
SHMJ	Saham	
SHMP	Susana Heights	
SHMS		
SHN	Shimonoseki 3	
SHN1	Shimonoseki	
SHNJ	Shimonoseki 2	
SHO	Shikotan	
SHOC	Shoshone	
SHOH	Showa-Shinzan	
SHP	Santa Helena	
SH-PA	Shamokin	
SHPR	Sheep Range	
SHQ	Saint-Hilarion	
SHR	Shirakawa	
SHRA	Al Sharaya	
SHRD	Shirahama	
SHRF	Sharaf	
SHRG	Sheep Range	
SHRJ	Shirakawa 2	
SHRM		
SHRO	Shahrood	
SHRR	Shira	
SHRT	Shahrakht	
SHS	Shasta Dam	
SHT	Sharpitor	
SHTN	Sandy Hook	
SHTS	Shaartuz	
SHU	Shuyak Island	
SHUT	Suhut-Afyon	
SHV	Shimbara	
SHVB	Paradis Home	
SHW	Mount Saint Helens	
SHWJ	Shawbak	
SHY	Shemya	
SHYM	Surrey Hills	
SHZ	Shizuoka	
SHZ3	Shizuoka 3	
SHZE	Shinhuzimiza	
SHZJ	Shizuoka 2	
SI-	Smithers	SI-BC
SI2	Simi Peak	
SIA	Xi'an	
SI-BC	Smithers	
SIBI	Sibayak Dolok	
SIBR	Sibiu	
SIC	Sept Iles	
SID	Sida	
SIE	Siena	
SIERE	Sierre	
SIG	South Ingalls	
SIGR	SIGRI	
SIH	Signal Hill	
SII	Sitkinak Island	
SIJI	Sorong	
SIL	Silver Peak	
SILB	Sidney Island	
SILC	Silvia	
SILE	Correggio--Silva	
SILO	Sutton Inlier	
SILR	SILCHAR	
SILT	Sile	
SIM	Simferopol'	
SIMA	Simav-Kutahya	
SIMI	Simarbalatuk	
SIMPL	Simplonpass	
SIMR	Simon	
SIN	Shinagawa	
SIND	Sindeldorf	
SING	Singapore	
SINGT	Sing	
SINI	Singah	
SIO	Slick	
SIOO	Sion-Ophtalmol	
SIOV	Sion-Valere	
SIP	Shinkiari	
SIPA	Siparia	
SIPH	Barangay Tapao	
SIPM	Chiapas	
SIPP	Brgy, Tapao	
SIPV	Sipayare	
SIQV	Siquisique	
SIR	Siria	
SIRB		
SIRI	Monte Sirino - Moliterno	
SIRN	S¨–rnak	
SIRR	Siria	
SIRT	Sirnak	
SIS	Sion	
SISB	Singen-Schiener Berg	
SISC	Sisak	
SISI	Saibi	
SIT	Sitka	
SIU	Simushir	
SIUC	Southern Illinois University	
SIV	San Ignacio	
SIVA	Sivas	
SIW	Isle of Wight	
SIY	Silver City	
SIZ	Stewart Island	
SIZA	Siya@14za@14n	
SJ-	San Jose (USA)	SJ-TX

Code	*Station Name*	*Other*
SJA	San Juan	
SJAF	Saint Jean de L'Alberes	
SJAS	San Jacinto	
SJB	Cape Saint James	
SJC	San Javier	
SJCH	San Jose de Maipo	
SJES	Sjenica	
SJG	San Juan	
SJGC	San Juan (W)	SJG
SJH	Saint Joseph Seminary	
SJI	Sawahan	
SJID	Saint Joe	
SJM	San Jose Maipo	
SJMB	Sao Joao De Manteninha	
SJMO	Saint John's Bayou	
SJMP	San Jose	
SJN	San Juan, Peru	
SJNN	Saint John's	
SJP	San Juan	
SJPF	Ste Jean	
SJQ	San Joaquin Reservoir	
SJR	San Jose	
SJRM	San Jeronimo	
SJS	Escuela Geologia	
SJT	SanJuan Tecuaco	
SJ-TX	San Jose	
SJU	San Juan	
SJUU	Sjulsmark	
SJUZ	Santa Julia	
SJV	Saint John	
SJX	San Joaquin	
SK-	Shamrock	SK-TX
SKA	Skalstugan	
SKAF	Kaiseraugst-Friedh	
SKAG	Skagway	
SKB	Skidegate	
SKC	Skalna	
SKD	Sitkalidak Island	
SKDA	Skikda	
SKDB	Saint Kitts 2	
SKDS	Skadanscina	
SKG	Skaggs Springs	
SKGA	Skagway School	
SKH	Sakata 2	
SKHT	Srikalahasti	
SKHZ	Khezeriat	
SKI	Saint Kitts	
SKIA	Skiathos	
SKJI	Sukabumi	
SKK	Sikka	
SKL	Skilak	
SKLT	Songkhla	
SKLY	Ski Hill Lift	
SKN	Skaneateles	
SKNT	Sakolnakorn	
SKO	Skopje	
SKOR	Skordalos	
SKP1	Kophill	
SKR	Severo-Kuril'sk	
SKSI	Soroako, Sulawesi	
SKT	Skwentna	
SKT*	Shikotan	SHO
SKTB	Turtle Beach	
SK-TX	Shamrock	
SKU	Sakura	
SKW	Shichikawa	
SKY	Skiros Island	
SKZ	Skazka	
SL-	Sault Ste Marie	SL-ON
SL6*	Punta Lena	
SLA	San Lorenzo	
SLAT	Slait	
SLB	Belfond	
SLBC	Solana Beach	
SLBQ	St-Lucie-de-Beauregard	
SLBS	Sierra La Laguna	
SLC	Salt Lake City	
SLCN	Sala Consilina	
SLD	San Luis Dam	
SLDE	Delcer	
SLE	Schleitheim	
SLEB	Sale Mountain	
SLF	Silifke	
SLFW	Sugar Loaf	
SLG	Sinonel	
SLGI	Shiliguri	
SLI	Saint Lucia	
SLIT	Slitere, Latvia	
SLK	Susurluk	
SLKI	Saumlaki	
SLKM	Skilak Lake	
SLKY	Flemingsburg	FLKY
SLL	Stollet	
SLM	Saint Louis	
SLMH	Al Salmeh	
SLMT	Seeley Lake	
SLN	Salinas	
SLNA	Salina	
SLNF	Slenfeh	
SLNR	Muhor-Tarhata, Altay Republic, Russia	
SL-ON	Sault Sainte Marie	
SLP	San Antonio	
SLPA	Patience	
SLPE	Piton Saint Espirit	
SLQ	Saint Louis du Ha Ha	
SLR	Silverton	
SLS	Soengei Langka	
SLT	Salta	
SLTA	Morne Tabac	
SLTC	Salton Sea Test Base	
SLTI	Sal'it	
SLTM2	Linthal, Matt	
SLTN	Sullivan	
SLU	San Luis	
SLUM		
SLUW	Luzern Werkhofstrasse	
SLV	Seldovia	
SLVN	Son La	
SLVT	Silivri	
SLW	Petit Monier	
SLWS		
SLX	San Luis R˜›o Colorado	
SLY	Sulaymaniyah	
SM-	Seymour	SM-TX
SMA	Summerton	
SMA1	SAN MARTINO	
SMAI	San Martin Antarctic Base	
SMAJ	Sumiya	
SMAM	San Marcos	
SMAR	Somma	
SMAV	Semnan-Aivanekay	
SMB	Samaipata	
SMB1	Colle San Martino	
SMBI	Sixmile Butte	
SMC	Somerset	
SMCB	Saint Mary's College	
SMCF	Saint Martin du Canigou	
SMCN	San Marcos	
SMCO	Snowmass	
SMCQ	St-Marc-des-Carri˜ɒres	
SMD	Mendips	
SMDO	Samad	
SMDT	Samandagi	
SME	Santa Rosa Mine	
SMF	Signal de Mont	
SMG	Samos	
SMGA	Sumqayit	
SMGT	Moghavemat	
SMI	Simla	
SMIA	Simia	
SMJ	Shimohsa	
SMJD	Shimonomoto	
SMJM	Simojovel	
SMK	Shimokamo	
SMKI	Samarinda	
SMKR	Semkarok	
SMKY	Sacramento	
SML	Sawmill	
SMLA	Simla	
SMLN	Simpson Lake, Nunavut	
SMLT	Sun Moon Lake	
SMM	Ste Marie-Mines	ECH
SMMC	Simmler	
SMMM	San Miguel	
SMMS	Six Mile Mountain	
SMN	Sleeping Mountain	
SMN1	Samana, DR	
SMNB	Stockdale Mountain	
SMNC	South Mountain	
SMNM	San Marcial	
SMNR	Sumner High School ANSS-SMO	
SMO	Santa Rosa Mountain	
SMOL	Smolenice	
SMP	Somplago	
SMPI	Sarmi	
SMPL	Sampolo	
SMPN	Simpson Lake	
SMQ	Clarke City	
SMR	Semeru Mts	KEL
SMRD	Mared	
SMRF	Simiane la Rotonde	
SMRH	Sumara - IBB Gov. - Yemen	
SMRI	Semarang	
SMRK	Smrekonice	
SMRM	Smir	
SMRT	St. Maarten	
SMS	Samos	
SMSC	Smeltzer Mountain	
SMT	Sultan-Mazar	
SMTC	Superstition Mountain	
SMTH	Samothraki Island	
SMTN	Short Mountain	
SM-TX	Seymour	
SMU	Sunnyside Mine	
SMUK	Muraz-Klaeranlage	
SMUR	Muraz-Reservoire	
SMV	Samsville	
SMW	South Mountain	
SMWM	Sugarloaf Mountain West	
SMX	San Miguel	
SMY	Shemya	
SMZW	Muttenz-Waldhaus	
SN-	Sunflower	SN-AZ
SN1	Capo Mulini Mare	
SNA	Sanae	
SNAA	Sanae	
SNAL	S. Angelo Dei Lombardi	
SNART	Snartemo	
SN-AZ	Sunflower	
SNB	Saturna Island	
SNC	San Nicolas Island	
SNCC	San Nicolas Island	
SND	San Diego	
SNDA	J Saunders Place	
SNDC	Sand Canyon	
SNET	Serv Nac Est Terr	
SNF	Seneffe	
SNG	Songkhla	
SNGE	Sanandaj	
SNGI	Sangi-Kar	
SNGR	Sinegor'e	
SNGZ	Shannon Station	
SNH	Sunshine Point	
SNI	Sanriku	
SNIB	St. Niklaus Bahnhofstrasse	
SNIO	Spokane Nat. Inst. Occ. Safety SMO	
SNIWA	Snively Ranch	
SNJ	Sinj	
SNJE	San Jose	
SNJR	Sundja	
SNK	Salina	
SNKA	Sanak Island	
SNKN	Sanikiluaq	
SNL	Sevenhill	
SNLN	Sandy Lake, NWT	
SNM	Socorro	
SNN	Xining	
SNO	Snow College	
SNOP	Sinop	
SNOW	Snow King Mountain	
SNP	Sonepat	
SNPH	Sibulan	
SNPN	Snap Lake	
SNPY	Stony Point	
SNQN	Sanikiluaq	
SNQU	Santaquin	
SNR	Schaffner Ranch	
SNS	San Onofre	
SNSI	Sinabang, Aceh	
SNT	Sears Point	
SNTD	Shikano	
SNTG	Esanatoglia	
SNU	Stansbury North	
SNUT	Stansbury North	
SNVI	San Vicente	
SNX	Sinaia	
SNY	Shenyang	
SNZ	Senzan	
SNZO	South Karori	
SO-	Sorel	SO-QB
SOA	Owia	
SOB	Sobradinho	
SOB1	Sobradinho	
SOB2	Sobradinho	
SOB3	Sobradinho	
SOB4	Sobradinho	
SOC	Sochi	
SOCH	Soche	
SOCV	Socops	
SOCY	Socotra	
SOD	Sodankyla@14	
SODA	Al Sooda	
SOE	Somerset East	
SOEI	Soe	
SOF	Sofiya	
SOFL	Sornfelli, Faroe Islands	
SOFT	Gaziantep	
SOG	Santiaguito	
SOG2	Santiaguito 2	
SOH	Sokhos	
SOI	Samo	
SOIM	Smimou	
SOKA	Soboth	
SOKB	Sooke	
SOKR	Solikamsk	
SOKY	Sonora	
SOL	Solontsovaya	
SOLC	Bahia Solano	
SOLO	Sioux Lookout	
SOLU	Sollefteaa	
SOLUN	Solunto	
SOM	Sombrero	
SOMN	Somoto	
SON	Sonneberg	
SONA	Sohna	
SONA0	Songino Array Site A0	
SONA1	Songino Array Site A1	
SONA2	Songino Array Site A2	
SONA3	Songino Array Site A3	
SONA4	Songino Array Site A4	
SONB1	Songino Array Site B1	
SONB2	Songino Ar. Site	
SONB3	Songino Array Site B3	
SONB4	Songino Array Site B4	
SONB5	Songino Array Site B5	
SONG	Songo	
SONM	Songino Array Beam Reference Point	
SONS	Sonsonate	
SONY	Sodus	
SOO	Sioux Lookout	
SOP	Sopron	
SO-QB	Sorel	
SOR	Soroa	
SORM	Soroca	
SORT	Sorpetalsperre	
SOS	Soda Springs	
SOSW	Source of Smith Creek	
SOTS	Sotra	
SOU	Souberoche	
SOUA	Southern Oregon Univeristy DOGAMI SMO	
SOX	Sue Hot Springs	
SP2	Seward Park 2	
SPA	South Pole	
SPA0	Spitsbergen Array Site A0	SPITS
SPA1	Spitsbergen Array Site A1	
SPA2	Spitsbergen Array Site A2	
SPA3	Spitsbergen Array Site A3	
SPAK	Spaichingen-Kochelsberg	
SPB	Sao Paulo	
SPB1	Spitsbergen Array Site B1	
SPB2	Spitsbergen Array Site B2	
SPB3	Spitsbergen Array Site B3	
SPB4	Spitsbergen Array Site B4	
SPB5	Spitsbergen Array Site B5	
SPBA	Sand Point BB	
SPBG	Spurr Blockage Glacier	
SPC	Skalnate-Pleso	
SPCG	Spurr Capps Glacier	
SPCH	San Pedro de Atacama	
SPCI	Split Crater	
SPCR	Spurr Chakachatna River	
SPD	Saint Peter's Dome Lookout	
SPE	Xi'an	XAN
SPF	St-Paul-en-Foret	
SPG	Saltpond	
SPH	San Pedro Hill	
SPI	Saint Paul Islands	
SPIA	Saint Paul Island	
SPIE	Spinoso	
SPIG	San Pedro Martir	
SPIN	Swan Pond Ditch	
SP-IS	Saint Paul	
SPITS	Spitsbergen Array Beam Reference Point	
SPIZ	Spitak	
SPJ	Spur Tree	
SPJN	Shinpukuji	
SPK	Scotts Peak	
SPL	Spiridon Lake	
SPLB	Strathcona Park Lodge	
SPM	Ship Mountains	
SPMN	St. Paul	
SPN	Mys Shipunski	
SPN5	Spine 5 MSH Spider	
SPNC	Sapanca-Adapazari	
SPNW	Spurr Northwest	
SPNY	Stone Ridge	
SPO	Spokane	
SPP	Saint Paul	
SPR	Saint Pierre	
SPRG	Spotted Range	
SPRM	Split Rock	
SPS	San Pedro Poas	
SPSI	Sidrap Palu	
SPSY	Saint Peters School	
SPT	South Point	
SPU	Mount Spurr	
SPUT	South Promontory Point	
SPV	Sa-pa	
SPVI	Shoe Peg Valley	
SPW	Seward Park	
SPWE	Spurr West	
SPX	San Pedro Martir	
SPY	Shingle Point	
SPY1	Spijk (Roodeschool)	
SPY2	Spijk (Roodeschool)	
SPY3	Spijk (Roodeschool)	
SPY4	Spijk (Roodeschool)	
SQF	Squaw Harbor	
SQ-IS	Shemya	
SQM	Sequim	
SQR		
SQTA	Sankt Quirin	
SQU	Squaw Peak	
SR-	Sparta	SR-OR
SRA	San Ramon	
SRAK	Srakaew	
SRAT	Sarat Abidah	
SRB	Samuel	
SRBC	Serra Branca	
SRBF	Surbourg	
SRBI	Singaraja	
SRC	Salinas Radio Site	
SRCG	Sart'ichala	
SRD	San Andres	
SRDI	Scrawed	
SRDR	Sredinnyy	
SRDT	SRDT	
SRE	Strehaia	
SRER	Reinach, Rainenweg	
SRF	Snake Ranch	
SRFA	Sharaf	
SRG	Seaman Range	
SRH	Rilland Hill	
SRHB	Riehen-Baumlih	
SRI	Sefi@18d Ru@18d	
SRIG	Santa Rosalia	
SRIT	Nakonsritamarat	
SRJ	Sugihara	
SRJD	Shirakawa	
SRK	Sredniy Kalar	
SRKR	Sorokina	
SRL	Santa Rosalia	
SRLM	Srisailam	
SRLN	Sarcpa Lake, Nunavut	
SRM	Socorro	
SRMB	Sarakhs	
SRMH	Minami-Gairin	
SRMY	Scherman	
SRN	Sarande	
SRNI	Srinagar	
SRNR	Reinach, Reinacherhof	
SRO	Srobarova	
SRO1	Iza	
SRO2	Moca	
SR-OR	Sparta	
SRP	Santa Rosa	
SRPD	Savannah River	
SRPE	Suurupi	
SRPI	Serui, Papua	
SRPN	Savannah River	
SRPW	Savannah River	
SRQ	San Roque	
SRR	Isla Socorro	
SRS	Serrai	
SRSP	Sriramsagar	
SRT	Sarutani	
SRTC	Snort	
SRU	San Rafael	
SRV	Santa Rosalia	
SRY	Shiroyama	
SS-	Sanderson	SS-TX
SS2	San Sevaine	
SSA	Susara	SSR
SSB	Saint Sauveur en Rue	
SSBA	Shishaldin	
SSC	Saint Sauveur de Carouges	
SSD	Sandimen	
SSE	Sheshan	
SSF	Saint Saulge	
SSF1	Saint Saulge	
SSFR	Montelago di Sassoferrato	
SSG	Sans Toucher	
SSH	Sunshine	
SSHG	Shadegan	
SSI	Semisopochnoi Island	
SSIB	Saltspring Island	
SSJ	Shinshu-shinm'i	
SSK	Sunset Peak	
SSKY	Summer Shade	
SSL	Sunset Lake	
SSLB	Suanglung	
SSLN	Shishaldin North	
SSLS	Shishaldin South	
SSLW	Shishaldin West	
SSM	Saint Martial	
SSN	San Juan del Sur	
SSNN	San Juan del Sur	
SSNO	Creighton Mine,Sudbury	
SSO	Sasso d'Italia	
SSOR	Sweet Springs	
SSP	Shoshone Peak	
SSP1	Stoney Pound	
SSP9	Sansepolcro	
SSPA	Standing Stone	
SSQ	Sandspit	
SSR	Susara	
SSS	San Salvador	
SSS1	John Stanford Center Downhole Anss-SM	
SST	Susitna	
SS-TX	Sanderson	
SSU	San Pedro Sula	
SSUO	Shawnee State University	
SSV	Crater Summit	
SSW	Stow on the Wold	
SSX	SS1	
SSY	Sortino	
SSZ	Sekisonzan	
ST-	Stillwater	ST-NV
ST1	Streeter	ST1TX
ST1TX	Streeter	
ST2	Streeter	ST2TX
ST2TX	Streeter	
ST4	Streeter	ST4TX
ST4TX	Streeter	
STA	Satara	
STAB	Staufenbuehl	
STAF	Tafers	
STAL	STALIGIAL	
STAN	Stanford	
STAR	Star City	
STAT	Sint Eustatius	

Code	Station Name	Other
STAU	Staufen im Breisgau	
STAV	Stavanger	
STB	Steinbach	
STC	Stone Canyon Observatory	
STCC	Santa Clara	
STCH	Steam Cracks	
STCO	Saint Catharines	
STCR	Santa Cruz	
STCW	Studenec	
STD	Studebaker Ridge	
STDB	Stepnoy Dvorets	
STDO	Santo Domingo	
STDR	Stavd-Durt	
STE	Stepanavan	
STEI	Steigen	
STEIN	Stein am Rhein	
STET	Saint-Etienne-de-Tinee	
STEW	Steamboat Mountain	
STEZ	Stepenevan	
STF	Statfjord A Platform	
STFR	Stefanesti	
STG	Strathgordon	
STGR	Santa Cruz	
STGV	Strathgordon Vge	
STH	Stony Hill	
STHS	Stebnicka Huta	
STI	Star Valley	
STIA	Sitia Lasithi	
STID	Stanley	
STIL	E St Louis HE Ctr	
STIP	Stip	
STJ	Saint John's	
STJN	Saint John's	
STK	Stephens Creek	
STKA	Stephens Creek	
STKI	Sintang	
STKP	Saint Kitts	
STKZ		
STL	Santa Lucia	
STLK	Strandline Lake	
STLN	Stellar Camp, Hudson Bay	
STLY	Stiles	
STM	Slate Mountain	
STMA	St. Maarten, Airport	
STMT	Stillwater Mine	
STN	Seatoun	
STN3	Satriano di Lucania, Italy	
STNC	Stoke	
STNU	Starunia	
ST-NV	Stillwater	
STO	Stonyhurst	
STOF	St-Etienne Orgue	
STOK	Stokkvaagen	
STOK1	Konsvik	
STOK2	Flostrand	
STON	Ston	
STOQ	Stoneham	
STP	Stepladder Mountains	
STPQ	St-Pascal	
STR	Strasbourg	
STR2	Strathalbyn	
STR3	STROMBOLI 3	
STR4	STROMBOLI 4	
STR5	Stromboli 5	
STRD	Stroud	
STRE	Sannotorii	
STRR	Strizhament	
STRS	Struganik	
STRU	Stroemstad	
STS	Santiago	
STSP	Tschierv	
STT	Seattle	
STTC	Scott Ranch	
STU	Stuttgart	
STV	Sant Anna di Valdieri	
STV2	Sant' Anna di Valdieri 2	
STVI	Saint Thomas	
STW	Striped Peak	
STWA	Stillwater	
STX	Station 2	
STY	Stony River	
STYT	Tauyuan	
STZ	Stratford	
STZU	Stuzhytsa	
SU-	Schuyler	SU-VA
SUA	Susitna One	
SUBF	Surbourg	
SUC	Sucre	
SUCK	Suckling Hills	
SUCO	SUCO	
SUD	Sudbury	
SUDU	Sudak	
SUE	Sulen	
SUF	Sumiainen	
SUFF	Suffern	
SUG	Sugar Island	
SUH1	Surhuizum	
SUH2	Surhuizum	
SUH3	Surhuizum	
SUH4	Surhuizum	
SUI	Sui-hua	
SUK	Suckling Hill	
SUKH	Sukhothai	
SUL	Sulphur Creek	
SULB	Vanderhoof	
SULJ	Sultana	
SULR		
SULT	Sultanhani-AKSARAY	
SULZ	Cheisacher	
SUM	Sumoto	
SUMG	Summit	
SUN	Sunnyside	
SUNK	Sunasenri	
SUNO	Sudbury Onaping	
SUO	Sudbury	
SUP	Superstition Mountain	
SUR	Sutherland	
SURA	Surathani	
SURF	Saint Ours	
SURI	Summit Reservoir	
SURT	Suratani	
SURV	Survey Creek	
SUS	Susaki	
SUSD	South Dakota State University	
SUSE	Susehri	
SUSZ	Shushi	
SUT	Suttsu	
SUT1	Suttsu	
SUTB	Sutter Butte	
SUTC	Sutluce-Isparta	
SUU	Santaquin Canyon	
SUUS	Susuman	
SUV	Suva	
SU-VA	Schuyler	
SUW	Suwalki	
SUZ		
SV-	Springerville	SV-AZ
SV2	Schefferville	SV2QB
SV2QB	Schefferville	
SV3	Schefferville	SV3QB
SV3QB	Schefferville	
SVA	Suva	
SVAM	Vaz, Muldain	
SVAN	Silvan-Diyarbakir	
SVAU	Svanoeiden	
SV-AZ	Springerville	
SVB	Belmont	
SVC	Silver Creek	
SVD	Seven Oaks Dam	
SVE	Sverdlovsk	
SVG	Indian Gallows	
SVI	Saint Vincent	
SVIL	Visp Littennaring	
SVIN	Saint Vincent's CYO School for Boys, San Rafael	
SVIO	Visp Obere Stapfengasse	
SVIS	Svilajnac	
SVIT	Visp-Terbinerstrasse	
SVK	Severo-Muysk	
SVKR	Severomuysk	
SVL	Baleine	
SVLR	Shiveluch	
SVM	Silver City	
SVMT	Summit Valley	
SVN	Savane Anatole	
SVO	Savo	
SVOH	Skagit Valley Community College ANSS SMO	
SVP	Silver Peak Range	
SVR	Savage River	
SVRC	Sivrice-ELAZID	
SVRH	Sivrihisar-ESKISEHIR	
SVS	Slandsville	
SVSK	Karacayir	
SVST	Sivas	
SVT	Saint Vincent	
SVTA	Shivta	
SVTC	San Vito de Coto Brus	
SVTR	Two Rivers School, Snoqualmie Valley	
SVV	Soufriere Volcano	
SVW	Sparrevohn	
SVW2	Sparrevohn	
SW-	Sweetgrass	SW-MA
SWA	Swan Island	
SWA1		
SWA2		
SWAJ	Obama	
SWB	Southwest Bay	
SWD	Swaziland	
SWET	Sewanee	
SWFL	Southwest Flank Mount Saint Helens	
SWG	Swingate, Kent	
SWH	Southwest Rift	
SWI	Sorong	
SWID	South Whidbey SD ANSS-SMO	
SWIP	Sombrero	
SWK	Warminster	
SWL	Swaziland	
SWM	Sawmill	
SW-MA	Sweetgrass	
SWMT	Swartz Lake	
SWN	Stillwater	
SWN1	Swindon	
SWNG	Sheriff Wilson	
SWO	Sudbury	
SWP	Swamp Creek	
SWR	Swabi-Maira	
SWS	Schriesheim-Wilhelmstollen	
SWSC	Sam W. Stewart	
SWT	Sachs Harbour	
SWTN	Sewanee	
SWV	Swan View	
SWXO	Sudbury	
SWZ	Schweizer	
SX-	Salem	SX-SD
SXG	Sacranix	
SXM	Sixmile	
SXO	Sioux Lookout	
SX-SD	Salem	
SXT	Sachs Harbour	
SY-	Stickney	SY-SD
SYA	Sidi Yaiche	
SYD	Sydney	
SYDH	Sydney Hard	
SYI	Shuyak Island	
SYJ	Shimoyama	
SYKR	Syktyvkar	
SYO	Syowa Base	
SYON	Say'un	
SYP	Santa Ynez Peak	
SYR	Smyrna	
SYS	San Ysidro	
SY-SD	Stickney	
SYT	Seydisehir	
SYU	Syuhurei	
SYVJ	Yverdon-Jordils	
SYVP	Yverdon-les-Bains, rue des Philosophes	
SYVR	Suvo	
SYZ	Scrubby Hill	
SZ-	Shoal	SZ-NV
SZAC	Souni-Zanaja	
SZAF	Shezaf	
SZCU	Shurtz Canyon	
SZE	Szeged	
SZER	Zernez	
SZG	Shizugawa	
SZH	Strazhica	
SZ-NV	Shoal	
SZO	Sudbury	
SZP	Santa	
SZVM	Salazar	
T0101	Poggio Santa Maria	
T0102	San Vittorino	
T0103	L'Aquila	
T0104	Madonna delle Grazie (Coppito)	
T0105	Valle d'Ocre (Ocre)	
T0106	Roio Piano	
T0107	San Pelino (Cagnano Amiterno)	
T0108	Poggio di Roio	
T0109	Coppito (AQ)	
T0110	Collepietro	
T0201	Case Giovannangeli - (Balsorano -AQ)	
T0202	Vitale (Isola del Liri - FR)	
T0203	Casalattico (FR)	
T0204	Pescasseroli (AQ)	
T0205	Ridotti (Balsorano, AQ)	
T0401	Montottone (Fermo)	
T0402	Abbadia di Fiastra (Tolentino)	
T0501	Spinello di Santa Sofia (FC)	
T0502	Localit^ San Martino (Sarsina - FC)	
T0503	Loc. Pratieghi (Badia Tedalda - AR)	
T05C	Eagle Field, Dos Palos	
T06C	Millerton Lake Dam, Friant	
T11A	Corn Creek, Alamo	
T12A	Moapa	
T13A	Saint George	
T14A	Hurricane	
T15A	Red Dirt Ranch, Kanab	
T16A	Glen Canyon Dam (NPS), Page	
T17A	Navajo Res., Navajo Mountain	
T18A	Mexican Hat	
T19A	Beclabito	
T21A	Navajo Lake	
T22A	Edith	
T23A	Casias Ranch, Antonito	
T24A	Torres, Weston	
T24B	San Luis	
T25A	Trinidad	
T26A	Comanche National Grassland Park, Kim	
T27A	Campo	
T28A	Walsh	
T29A	Hugoton	
T30A	Plains	
T31A	Randall Ranch, Ashland	
T32A	Huddler Ranch, Lake City	
T33A	Patterson Ranch, Waldron	
TA1	Taranto	TTI
TAA	Terre Adelie	
TAB	Tabri@18z	
TABB	Tabernacle Mountain	
TABL	Table Mountain	
TABN	Tabernacle	
TABS	Tabas	
TAC	Tacubaya	
TACH	Talagante	
TACS	Tanaga Cape Sajaka	
TAD	Tadotsu	
TADQ	Tadoussac	
TAE	Taegu	
TAF	Taforalt	
TAF1	Taif	
TAFL	Tanaga Flats	
TAFP	Tanaga Falls Point	
TAG	Tarade	
TAGA	Panbu Gunsar	
TAH	Tahiti	
TAHT	Tahtakopru-Hatay	
TAHZ	Taraponui	
TAI	Tainan	
TAI1	Yung-k'ang	
TAI2	Tainan City	
TAIF	At Ta'if	
TAIZ	Ta'izz	
TAJ	Tanegashima	
TAJ2	Tanegashima 2	
TAK	Takaka	
TAKK	Taka-dake	
TAKN	Takayama	
TAKO	Tahkenitch	
TAL	Talara	
TALB	Tatla Lake BC	
TALC	Talca	
TALL	Tallowa Pump Stn	
TALM	Tallowa	
TAM	Tamanrasset	
TAMB	Tambo	
TAMR	Tamra	
TAN	Tananarive	
TANI	Tanete Lipujang	
TANM	Chiapas	
TANN	Tannenbergsthal	
TANO	Tanaga North	
TANV	Tanna	
TAO	Talbingo	
TAOE	Nuku Hiva Island	
TAP	Taipei	
TAP1	Taipei	
TAPA	Tanaga Point Aries	
TAPN	Taplejung	
TAR	Taranto	
TAR1	Taranto	
TARA	Tarawa	
TARAI	Tarakan	
TARG	Taragay, Kyrgyzstan	
TARW	Grand Targhee Resort	
TARZ	Mount Tarawera	
TAS	Tashkent	
TASE	Tanaga Southeast	
TASR	Tashtagol	
TAT	Tateyama	
TATC	Tatama	
TATH	Tatsuka	
TATJ	Tateyama 2	
TATM	Tatong	
TATN	Tataouine	
TATO	Taipei	
TATS	Tathlith	
TATV	Tatvan	
TAU	Tasmania University	
TAUL	Tau Lekoa	
TAUT	Tautenburg	
TAV	Tavurvur	
TAVF	Tavernes	
TAW	Tawu	
TAWA	TAWANG	
TAY	Tayabas	
TAYS	Tayyib Ism	
TAZ	Tarawera	
TBC	Trig B	
TBG	Guadaloupe-3	
TBGR	Tabaga	
TBH	Brigand Hill	
TBI	Tubuai	
TBJI	Tambak Boyo	
TBKS	Tabuk	
TBL	Tabele	
TBLA	Tarbella	
TBLG	Delisi	
TBLU	Trondheim	
TBM	Table Mountain	
TBO	Thunder Bay	
TBP	Tagbilaran	
TBPA	Tacoma Substation	
TBR	Table Rock	
TBRR	Tiberkul'	
TBS	Tobishima	
TBS2		
TBT	Taburiente	
TBTR	Tabat	
TBVI	Tortola	
TBW	Brentwood	
TBY	Torsby	
TBZ	Trabzon	
TC-	T or C	TC-NM
TCA	Tanti	
TCBC	Telegraph Creek	
TCBU	Trout Butte	
TCC	Turnbull Canyon	
TCE	Chacachacare	
TCF	Toulx Ste Croix	
TCG	Tacana	
TCH	Chimkent	CHM
TCHB	Talchebab	
TCHG	Chaguaramas	
TCHZ	Tchakhmakh	
TCK	Tuttle Creek Reservoir	
TCM	Tucuman	
TCN	Toconce	
TC-NM	Truth or Consequences (T or C)	
TCNV	Thirsty Canyon	
TCO	Three Creek Meadows	
TCP	Tocopilla	
TCPM	Tecamachalco	
TCPZ	Tecapa	
TCR	Colchester	
TCRU	Three Creeks Reservoir	
TCSI	Telchick Spring	
TCT	Tennessee City	
TCU	Taichung	
TCUP	Taichung Port	
TCUT	Toone Canyon	
TCW	Tory Channel	
TCX	Tecpatan	
TCY	Tin City	
TD-	Tres Piedras	TD-NM
TDA	Talladega	
TDAG	Tekirdag	
TDC	Trinidad (USA)	
TDC1	Tristan de Cunha	
TDCB	Techi	
TDD	Tadjoura Ara	
TDH	Tom, Dick, Harry Mountain	
TDJ	Tadjoura	
TDJR	Todzha	
TDK	Taldyqorghan	
TDL	Tradedollar Lake	
TDM	Tucson Desert	
TDMT	Tunduma	
TDN	Todenfeld	
TD-NM	Tres Piedras	
TDR	Todoroki	
TDS	Terranova Sibari	
TDT	Tavil'dara	
TDV	Tam Dao	
TE-	Thule	TE-GL
TEB	Eastbourne	
TEC	Tlemcen	
TECM	TEC LaTrobe	
TEE	Teeples Ranch	
TEGC	Jichi Village	
TEGH	Tema	
TE-GL	Thule	
TEH	Tehran	
TEHZ	Te Atua	
TEIG	Tepich	
TEJ	El Tejon	
TEK	Teekin	
TEKS	Tekeris	
TEL	Teeli	
TEL3	Telica 3	
TELN	Telica	
TEM	Temuco	
TEN	Tenerife	
TENA	Tena	
TEO	Teotitlan	
TEOL	Teolo	
TEP	Tecpan	
TEPV	Terepaima	
TER	Terranova	
TERO	Teramo	
TERV	Terraza Guagua	
TES	Teshikaga	
TESR		
TET	Tete	
TETM	Tetitlan	
TEY	Ternei	
TEYL	Yanliau Village	
TEZP	TEZPUR	
TF-	Taft	TF-CL
TF-CL	Taft	
TFO	Tonto Forest Array	
TFO1	Folkestone	
TFRB	Telus,Franklin R.	
TFT	Tounfite	
TG-	Tongareva I.	TG-IS
TGBT	Tuxtla Gutierrez	
TGI	Taghi Ghambar	
TGIG		
TG-IS	Tongareva Island	

Code	*Station Name*	*Other*
TGJI	Tegal	
TGL	Tana Glacier	
TGN	Turgen	
TGRV	El Tigre	
TGRZ	Tauranga	
TGT	Taghat	
TGUH	Tegucigalpa,Univ of Honduras	
TGV	Tuan Giao	
TGY	Tagaytay City	
THA	Thala	
THAL	Thalero	
THC	Tehachapi Microwave	
THE	Thessaloniki	
THEF	They Montfort	
THI	Terre Haute	
THIG		
THK	Tsim Bei Tsui	
THKV	Tehran--Karaj	
THL	Klokotos Trikala	
THMB	Thunder Mountain BC	
THN	Thein Dam	
THO	Tonto Hills Observatory	
THOB	Mount Thompson	
THP	Tara Hills	
THR	Tehra@18n	
THR1	Thera Island	
THR2	Thira island, Vourvoulos	
THR3	Thira Island, Nea Kammeni	
THR4	Thira Island, Oia	
THR5	Thira Island, Kera	
THR6	Thira Island, Akrotiri	
THR7	Fira-Santorini	
THR8	Santorini-Monolithos	
THRC	Three Sisters	
THRI	Tanaharon	
THS	The Heights School	
THT	Papeete	
THT1	Athinios (Pelekanos)	
THTN	Thala	
THU	Thule	
THULE	Thule	
THV	Thanh Hoa	
THW	Thamme Wali	
THY	Trims Highway	
THZ	Tophouse	
TI2	Plekhanov	
TIA	Tai'an	
TIAR	Tiarei	
TIC	Toumodi	
TICN	Ticuantepe	
TID	Three Point Mountain	
TIE	Tianjin	
TIF	T'bilisi	
TIG	Tigre	
TIGA	Tifton	
TIGG	Tignish, PEI	
TIH	Tihany	
TIK	Tiksi	
TILK	Tilichiki	
TILR	Tilichiki	
TIM	Timisoara	
TIMB	Timberline	
TIMO	Timmins Ontario	
TIN	Tinemaha	
TINA	Tinaroo	
TINT	Rio Tinto	
TI-NV	Tolicha Peak	
TIO	Tiouine	
TIOV	TMO PEDROTE	
TIP	Timpagrande	
TIPT	Tiptonville	
TIR	Tirane	
TIRA	La Tirana	
TIRR	Tirgusor	
TIS	Tissa	
TISN	Laguna Tiscapa	
TIT	Squaw Tit	
TITE	Tito	
TIWZ	Tintock	
TIXI	Tiksi	
TIY	Taiyuan	
TJC	Trinidad (USA)	
TJN	Taejon	
TJOU	Tjoern	
TJR	Tejon Ranch	
TK-	Tonasket	TK-WA
TK01	Tokai 1	
TK02	Tokai 2	
TK03	Tokai 3	
TK04	Tokai 4	
TKA	Tanaka	
TKB	Tkibuli	
TKC	Tsukechi	
TKCO	King County	
TKD	Takada	
TKDS	Koohdasht(Tabas)	
TKE	Take-yama	
TKEZ	Kiri Road	
TKGZ	Te Karaka	
TKI	Tkibuli	
TKJ	Takada	
TKJD	Tokuyama	
TKK	Topkok	
TKL	Tuckaleechee Caverns	
TKM	Takamatsu	
TKM2	Tokmak 2	
TKMK	Tokmak	
TKN	Takane	
TKO	Trask Mountain	
TKR	Tekirdag	
TKS	Tokushima	
TKSJ	Tokushima 2	
TKT	Tuktoyaktuk	
TKTP	Tekketepe	
TKU	Takayasuyama	OSK
TK-WA	Tonasket	
TKY	Takayama	
TKZ	Takazawasan	
TLA	Tapachula	
TLAR	Talaya	
TLB	Topalu	
TLC	Trig L	
TLCB	Telegraph Cove	
TLCR		
TLE	Tual	
TLEK	Tau Lekoa	
TLG	Talgar	
TLI	Talmassons	
TLIG	Tlapa	
TLK	Talkeetna Mountains	
TLL	Tololo Astronomical Observatory	
TLLA	Tiendilla	
TLM	Tolmezzo	
TLN	Talang	
TLO	Toledo HGLP	
TLP	Tuguegarao	
TLS	Talasea	
TLT	Tellico Plains	
TLV	Tu Ly	
TL-WY	Thermopolis	
TLX	Tulancingo	
TLY	Talaya	
TLZ	Tolley Road	
TM-	Tomahawk	TM-WS
TMA	Tamaro	
TMB	Temblor Range Southeast	
TMBK	Timbaki Heraklio	
TMBR	Timber Mountain	
TMC	Table Mountain	
TMCH	Temuco	
TMCR	Tamitsa	
TMD	Tamdy-Bulak	
TMDA	Turtle Mountain	
TMDB	BangkokBB_BH_low_level	
TME	Tecomasuche	
TMI	Taylor Mountain	
TMK	Temiskaming	
TMM	Tecnologico de Monterrey	
TMM2	Tecnologico de Monterrey 2	
TMN	Timber Mountain	
TMO	Tin Mountain	
TMP	Tomahawk Gully	
TMR	Tomakomai	
TMS	Mera	
TMT	Talcott Mountain	
TMU	Temuco	
TMUT	Trail Mountain	
TMW	Tok Microwave	
TM-WS	Tomahawk	
TMWZ	Te Maipa	
TMX	Tampico	
TN-	29 Palms	TN-CL
TNA	Tin City	
TNAK	Tsuna	
TNB	Tanabu	
TNC	Tunceli	
TNCL	Tunceli-Merkez	
TN-CL	Twentynine Palms	
TNDR	Tynda	
TNE	Ternate	
TNF	Tounfite	
TNG	Tangerang	
TNGL	Gungliau Township	
TNGT	Tongatapu	
TNH	Tianshui	
TNJ	Tannan	
TNK	Tinkers Knob	
TNL	Tonnelnyy	
TNN	Tanana	
TNO	Torino	
TNOU	National Taiwan Ocean University, Keelung City	
TNP	Tonopah	
TNR	Turnu Rosu	
TNRJ	Tenryu	
TNS	Taunus Mts	
TNSD	Shindian Village	
TNSJ	Nastanj	
TNT	Toronto	
TNTG	T'onet'i	
TNTI	Ternate	
TNU	Tenhult	
TNV	Terranova Bay	
TNZ	Tarata	
TO-	Tishomingo	TO-OK
TO01	Tolfa - RM	
TO02	Allumiere - RM	
TO03	Canale Monterano - RM	
TO04	Tolfa - RM	
TO05	Santa Marinella - RM	
TO06	Tarquinia - VT	
TO07	Tarquinia - VT	
TO08	Barbarano Romano - VT	
TO09	Civitella Cesi - VT	
TOA	Tolsona	
TOA0	Torodi Ar. Site	
TOA1	Torodi Ar. Site	
TOA2	Torodi Ar. Site	
TOA3	Torodi Ar. Site	
TOAZ	Toaza	
TOB	Tobago	
TOB1	Torodi Ar. Site	
TOB2	Torodi Ar. Site	
TOB3	Torodi Ar. Site	
TOB4	Torodi Ar. Site	
TOB5	Torodi Ar. Site	
TOBO	Tobermory, Bruce Peninsula National Park	
TOBT	Tobi-shima	
TOC	Tocklai	
TOC1	Torodi Ar. Site	
TOC2	Torodi Ar. Site	
TOC3	Torodi Ar. Site	
TOC4	Torodi Ar. Site	
TOC5	Torodi Ar. Site	
TOC6	Torodi Ar. Site	
TOC7	Torodi Ar. Site	
TOCH	Tocopilla	
TOD	Tromm	
TOF	Tornio	
TOFB	Tofino	
TOG	Togane	
TOI	Tomamai	
TOK	Tokyo	
TOKA	Tokat	
TOKL	Toktogul	
TOKT	Tokat	
TOL	Toledo	
TOLC	Tolima	
TOLF	Tolfa	
TOLI	Toli-Toli	
TOLO	Toledo BPA CREST BB SMO	
TOM	Tomie	
TOMM	Thomson	
TON	Tongariro	
TONGO	Tortengo (Faido)	
TOO	Toolangi	
TO-OK	Tishomingo	
TOP	Topolovo	
TOPM	Tallapoosa	
TOPO	Topo	
TOPPO	Toppo, Italy	
TOR	Tori shima	
TORD	Torodi Ar. Beam	
TORE	Minerbio--Torre	
TORNY	Torny/Romont	
TORO	Toronto--Leslie Street Spit	
TORR	Tordecillas	
TORT	La Tortuga	
TORV	Torococo	
TOS	Tosya	
TOSP	Speyside	
TOT	Tottori	
TOTH	TOTAH	
TOTJ	Tottori	
TOU	Touzarine	
TOUF	Mont Tournerait	
TOV	El Tocuyo	
TOVM	TOLUCA	
TOW	Tower One	
TOY	Toyama	
TOZ	Tahuroa Road	
TP-	Tippipah	
TP2	Tecpan 2	
TPA	Tala Pozo	
TPAW	Teton Pass	
TPB	Topolobampo	
TPC	Twentynine Palms	
TPE	Tepelena	
TPFO	Pinyon Flat Observatory TA	
TPG	Tlapa	
TPH	Tonopah	
TPI	Tanjungpandan	
TPIG	Tehuac#an	
TPJ	Tangkuban Prahu	
TPK	Tolicha Peak	
TPL	Tocopilla	
TPM	Tepoztlan	
TPMO	Tallapoosa	
TPMT	Tepee Creek	
TPN	Tapini	
TPND	Tumut Pond Dam	
TPNV	Topopah Spring	
TP-NV	Tippipah	
TPO	Tropico Hills	
TPOR	Trinity Point	
TPP	Pointe-a-Pierre	
TPR	Prospect	
TPRI	Tanjung Pinang	
TPRS	Tripped Ranch	
TPRV	Parvadeh(Tabas)	
TPT	Tiputa	
TPTC	Pt. Cumana	
TPTI		
TPU	Tempiute Mountain	
TPUB	Ta-pu	
TPV	Tonopah	
TPVN	Tapovan	
TPX	Tapachula	
TPZ	Tupiza	
TQ-MS	Tatum Dome	
TQP	Tayabas	TAY
TQTN	Tranquillity	
TQV	Tuyen-Quang	
TR1		
TR2		
TRA	Travnik	
TRAP	Trapper Creek	
TRAV	Traversella	
TRAZ	Trapeza	
TRB	Tarbela	
TRBA	At Turbah	
TRC	Taylor Ranch	
TRCR	Troy Canyon	
TRCW	Trojmez˜›	
TRD	Trivandrum	
TRE	Trente	
TREB	Trebinje	
TREC	Trest	
TREF	Trevaresse	
TRF	Thorofare Mountain	
TRG	Tyrgan	
TRGS	Targassone	
TRH	Trail	
TRHT	Turhal	
TRI	Trieste	
TRIB	Obertriebel	
TRIF	Trifonti	
TRIS	Tristan da Cunha	
TRIV	Trivento	
TRIZ	Trizonia	
TRJ	Tarija	
TRK	Turkey Creek	
TRKR	Terskaya	
TRKS	Terek-Say	
TRKT	Turkoglu	
TRLG	T'rialet'i	
TRM	Turner	
TRMF	Trois Ilets	
TRN	Trinidad (W)	
TRO	Tromso	
TRON	Trondheim	
TROT	Trozza	
TRP	Trujillo	
TRPA	Tarpa	
TRQ	Mont Tremblant	
TRQA	Tornquist	
TRR	Tarraleah	
TRRB	Tres Rios	
TRS	Trieste (CM)	
TRSB	Teresina	
TRSC	Trident Resrch Ctr	
TRSI	Tarutung	
TRSU	Trosnyk	
TRT	Tretes	
TRTB	Turuntaevo	
TRTC	Tortuguero	
TRTE	Tartu	
TRTR	Tortoreto Alta	
TRTT	Trang	
TRU	Truk	
TRULL	Truellikon	
TRUS	Trudelj	
TRV	Treviso	
TRVA	Ter de Rio Valdez	
TRVM	Trivandrum	TRD
TRVZ	Turoa	
TRW	Toppenish Ridge	
TRWA	Trelew	
TRWZ	Traveller	
TRXW	Triangle-X Ranch	
TRY	Troy	
TRYN	Tryon Peak	
TRZ	Taradale	
TS-	Trotters	TS-ND
TSA	Tranquitos	
TSA1	Sevenoaks	
TSAL	Tannehill State Park	
TSB	Tasu	
TSC	Tosontsengel	
TSCK	Chigu Township	
TSE	Tsebel'da	
TSEB	Hengchuen, Pingtung county	
TSI	Tuntungan	
TSIM	Tsina	
TSJB	Timber West San Juan	
TSK	Tsukuba	
TSL	Tsaile	
TSM	Tawau	
TSN	Qingdao	
TS-ND	Trotters	
TSO	Tulsa	
TSOZ	Tsokhamarg	
TSP	Tesuque Peak	
TSPT	Pingtung City	
TSR	Tsuruga	
TSRJ	Tsuruga	
TSS	Tsurugi yama	
TST	Taslik	
TSTN	Townsend	
TSU	Tsu	
TSU1	Tsu	
TSUJ	Tsu 2	
TSUM	Tsumeb	
TSV	Twin Springs	
TSY	Tnine Yamani	
TSZ	Takapari Road	
TT-	Trout Lake	TT-MI
TT01	Tatalina	
TTA	Tatalina	
TTC	Datong	
TTE	Trieste	
TTG	Podgorica	
TTH	Taradale Trig	
TTI	Taranto	
TTK	Tokmak	
TTL	Tatalina	
TTM	Turtle Mountains	
TT-MI	Trout Lake	
TTN	Taitung	
TTO1	TONANKAI O.B.S1	
TTO2	TONANKAI O.B.S2	
TTO3	TONANKAI O.B.S3	
TTO4	TONANKAI O.B.S4	
TTO5	TONANKAI O.B.S5	
TTOK	Tanto	
TTP	Tetilla Peak	
TTR	Matura	
TTS	Tsetserleg	
TTSI	Tana Toraja	
TTT	Tottori	
TTU	Tartu	
TTV	Teren Tiev Lake	
TTVN	Tram Tau	
TTW	Tolt Reservoir	
TTX	Tres Cuevas	
TTZ	Chichi shima	
TU-	Tunkhannock	TU-PA
TU1	Tuscania	
TUA	Tuai	
TUB	Tubingen	
TUBL	Tuebingen-Lennartz	
TUC	Tucson	
TUDR		
TUE	Stuetta	
TUG	Tungurcha	
TUH	Tulbagh	
TUI	Tuis	
TUIG	Tuzandepetl	
TUK	Tuktoyaktuk	
TUL	Tulsa	
TUL0	Crosstimbers Borehole	
TUL1	Tulsa	
TULEG	Thule	
TUM	Tumwater	
TUMC	Tumaco	
TUMD	Tumrok D	
TUMR	Tumrok	
TUN	Tunis	
TUNG	Tungurahua	
TUNR	Tungur	
TUO	Tucson Observatory	
TUP	Tupik	
TUPA	Temple University, Ambler	
TU-PA	Tunkhannock	
TUQ	Turquoise Mountain, Baker	
TUR	Turbat	
TURA	TURA	
TURB	Turbat	
TURI	Tura	
TURN	Turunc	
TURV	Turiamo	
TUS	Tuscarora	
TUT	Tucson--Telemeter	
TUTA	Tutak	
TUTZ	Tuhingamata	
TUU	Turnu Rosu	
TUV	Trujillo	
TUVZ	Tukino	
TUWA	Tungkwan	
TUWZ	Tuamarina	
TUY	Tsuyama	
TUZ	Tuapeka	
TV1	Townsville Hrock	
TV2	Townsville Softrock	
TVAN	Van	
TVBK	TV Kerman	
TVG	Trois Rivieres	FBG
TVGG	Rocky Mountain Net	
TVH1	TV Hill, Hawthorne	
TVH2	Borealis Mine area, Hawthorne	
TVH3	East Aurora area,	

	Hawthorne	
TVI	Taveuni	
TVL	Townsville	
TVNC	Taylorsville	
TVO	Taravao	
TVSB	Tavsanli	
TW1H	Toowoomba 1 Hard	
TWA	Mucha	
TWAR	Twist	
TWB	Tillmans-Whites Bay	
TWB1	Santiao Chiao	
TWBB	Timber West Blakeney	
TWC	Suao	
TWCP	Suao Port	
TWD	Chiawan	
TWDS	Dungshr Township	
TWE	Neicheng	
TWE*	Feng-lin	
TWF	Yuli	
TWF1	Yuli	
TWG	Pinlang	
TWGB	Timber West Granite	
TWGZ	Tauwhareparae	
TWH	Lutao	
TWI	Lanshu	
TWJ1	Tawu	
TWK	Hsinying	
TWK1	Hengchun	
TWKB	Timber West Koksilah	
TWL	Twin Lakes	
TWM	Shoushan	
TWM1	Shoushan	
TWMO	Westmoorings	
TWN	Twin Peaks	
TWO	Meishan	
TWO1	Meishan	
TWOA	Tennyson Woods	
TWP	Hsiaoliuchiu	
TWQ	Tungshih	
TWQ1	Liyutan	
TWR	Chutung	
TWS1	Kuangyinshan	
TWSI	Taliwang, Sumbawa	
TWT	Tachien	
TWU	Wulai	
TWVZ	Taurewa	
TWW	Teanaway	
TWX	Kuosheng	
TWY	Chenhua	
TWZ	Neifu	
TX00	Lajitas Ar. Site	
TX02	Lajitas Array Site 2	
TX03	Lajitas Array Site 3	
TX04	Lajitas Array Site 4	
TX05	Lajitas Array Site 5	
TX06	Lajitas Array Site 6	
TX07	Lajitas Array Site 7	
TX08	Lajitas Array Site 8	
TX09	Lajitas Array Site 9	
TX10	Lajitas Array Site 10	
TX31	Lajitas Ar. Site	
TXAR	Lajitas Array Beam Reference Point	
TXB	Texada	
TXNY	Tuxedo	
TXO	Tlaxiaco	
TY-	Tracy	TY-MN
TYC	Yuchr	
TYF	T'ung-yeun Feng	
TYH	Toyohashi	
TYI	Trinity Mountain	
TYK	Toyo'oka	
TYM	Tateyama	
TY-MN	Tracy	
TYN	Taiyuan	
TYNN	Toyone	
TYNO	Tyneside	
TYS	Tyson Valley	
TYV	Tymovskoe	
TZC	Tazercounte	
TZK	Tazeka	
TZL	Tazlina	
TZR	Tezpur	
TZTN	Tazewell	
TZZ	Tabubil	
U04C	Hernandez Reservoir, Idria	
U05C	Westside ANR, Five Points	
U10A	Ash Meadows, Armagosa	
U11A	Corn Creek	
U12A	Valley of Fire, Overton	
U13A	Pakoon Wash	
U14A	Mt Trumbull	
U14B	Concepcio@15n	
U15A	North Rim	
U16A	Tuba City	
U17A	Shonto	
U18A	Rough Rock, Chinle	
U19A	Dine' College, Tsaile	
U20A	Newcomb	
U21A	Nageezi	
U22A	Llaves	
U23A	El Rito	
U24A	Moreno Valley High School, Angel Fire	
U25A	Circle Dot Ranch, Maxwell	
U26A	Atchley Ranch, Grenville	
U27A	Thompson Grove	
U28A	Mallet	
U29A	Oasis Ranch, Spearman	
U30A	WK&E Inc. Balko	
U31A	Nine Bar Ranch, Gage	
U32A	Winter Ranch, Mooreland	
U33A	Lingo Farm, Meno	
U34A	Anderson Ranch, Garber	
U65B	Hualan@16e@15	
U69B	Peumo	
U73B	San Pedro	
UALR	University of Arkansas, Little Rock	
UAV	Universidad de los Andes	
UBBA	Unterbreizbach	
UBO	Uinta Basin Array	
UBPT	Khong Chiam	
UBR	Ueberruh	
UBRB	Upper Baezaeko River	
UBSI	University, Bengkulu	
UBT	Ubonrachathani	
UCC	Uccle	
UCCT	U. Connecticut	
UCH	Uchtor	
UCM	Universidad Complutense Madrid	
UCT	University of Connecticut	
UDBI	Udbina	
UDD	Uddeholm	
UDI	Udine OGS	
UDN	Udine	UDI
UDP	Udhampur	
UDU	Undu Point	
UDYN	Al 'Udayn	
UER	Ust'-Elegest	
UFA	Ufa	
UFRS	Porto Alegre	
UGI	Ugak Island	
UGK	Ugakei	
UGL	Uglegorsk	
UGLR	Uglovaya	
UGM	Wanagama	
UGO	Universidad de Guanajuato	
UGON	Onchagaon	
UGRT	Union Grove	
UJI	Uji	
UJN	ULJIN	
UJZ	Chiapas	
UK-	Ukiah	UK-OR
UKAQ	Ukalunda	
UKI	Ukiah	
UKL	Ugashik Lake	
UK-OR	Ukiah	
UKR	Ust'-Kan	
UKT	Uakit	
UKTR	Uchkent	
UL1	ULLUNGDO	
ULA	Ulamona	
ULBA	Ulba	
ULC	Ulcinj	
ULDT	Uludag	
ULG	Ulaangom	
ULGR	Ulagan, Altay Republic, Russia	
ULHL	Ulahol	
ULM	Lac du Bonnet	
ULN	Ulaanbaatar	
ULO	Ulamona	
UMAU	Umeaa	
UMB	Umberatana	
UME	Umea	
UMI	India	
UMJ	Umaji	
UMJE	Umejima	
UMJS	Umm Lajj	
UMKT	Umerkot	
UMPA	Umpang Tak	
UMPQ	Umpqua Community College DOGAMI SMO	
UMR	Umm Al-Rimmam	
UMS	Upper Santa Misericordia	
UMT	Umtata	
UNA	Unalaska	
UNAH	Universidad Nacional Autonoma de Honduras	
UNAP	University of Iquique	
UNB	University of New Brunswick	
UNCR	Uncukul	
UNJ	University of Jordan, Amman	
UNJO	University of Johannesburg	
UNL	Unalakleet	
UNM	Universidad Nacional Autonoma de Mexico	
UNR	Ust'-Nera	
UNV	Unalaska Valley	
UNZ	Unzen dake	
UOA	University of Arizona	
UOCO	University of Cincinnati	
UON	La Union	
UOSS	Wadi Hilu	
UPA	Univ. de Panama@15	
UPAO	U. Pittsburgh - Allegheny Obs.	
UPC	Upice	
UPD1	Univ de Panama	
UPD2	Meteti	
UPI	Upington	
UPIG		
UPM	Unac-Piva	
UPNG	Upernavik	
UPP	Uppsala	
UPR	University Campus, Patras University	
UPS	University of Puget Sound	
UQSK	'Uqlat as Suqur	
URA	Urakawa	
URA3	Urakawa 3	
URAJ	Urakawa 2	
URAV	Uravi	
URCR		
URFA	Urfa	
URG	Urgal	
URH	Urahoro	
URKR	Urkarakh	
URLA	Izmir	
URS	Ugurusu	
URSC	Urasca	
URT	Ura-Tyube	
URUA	Uruapan	
URV	Uravakonda	
URVA	University of Richmond	
URZ	Urewera	
USC	University of Southern California	
USHA	Ushuaia	
USHU	Ushuaia	
USI	Ustica	
USIL	Lacq-Usine	
USIN	University of Southern Indiana	
USK	Ussuryisk	
USL	Ugashik Lake	
USMR	Ust'-Maya	
USO	Ust'-Omchug	
USP	Ospenovka	
USRK	Ussuriysk Array	
USTO	Oran	
USZ	Ust'-Nyukzha	
UTF	Valparaiso	
UTHA	Uthaitani	
UTLO	University of Toledo	
UTM	University of Tennessee at Martin	
UTMA	University of Tennessee at Martin	
UTMO	Huajuapan	
UTMT	University of Tennessee at Martin	
UTO	University of Toledo	
UTS	Utsunomiya	
UTSU	Utsunomiya	
UTT	Tea Tree Gully	
UTTA	Uttaradit	
UTU	Utuhina	
UUDB	Ulan-Yde	
UVI	Uvira	
UVN	Unionville	
UVN1	Unionville	
UVO	Usu Kazan Kan	
UWA	Uwa jima	
UWA2	Uwa jima 2	
UWE	Uwekahuna	
UWFH	University of Washington Friday Harbor	
UWJI	Ujung Watu	
UWL	Utowana Lake	
UWM	University of Wisconsin at Milwaukee	
UWOO	University of Western Ontario	
UYO	Union Valley	
UZD	Uzd	
UZH	Uzhgorod	
UZT	Uzuto	
UZU	Uzumlu	
V03C	Hunter Liggett MR Jolon	
V04C	Ramage Ranch, Paso Robles	
V05C	Boulder Hill, Kettleman City	
V11A	Goodsprings	
V12A	Nelson	
V13A	Grand Canyon West Ranch, Meadview	
V14A	Boquillas Ranch, Navajo N., Peach Springs	
V15A	Kaibab National Forest USFS, William	
V17A	Tonalea, Kykotsmovi	
V18A	Ganado	
V19A	Window Rock	
V20A	Brimhall	
V21A	Milan	
V22A	San Miguel Ranch, Cuba	
V23A	Ortiz Mt. (NFS), Santa Fe National Forest	
V24A	Rampart Ranch, Las Vegas	
V25A	Rancho No Tengo, Wagon Mound	
V26A	Tequesquite Ranch, Mosquero	
V27A	Dan Oppiter Farms, Dalhart	
V28A	Channing	
V29A	Stinnett	
V30A	Spur Ranch, Miami	
V31A	Spring Creek Lake, Blk. Kettle Nat Grslnd	
V32A	Arapaho	
V33A	Lossen Ranch, Watonga	
V34A	Guthrie	
V35A	Meyer Ranch, Chandler	
VAA	Cerro Valdivia	RTCV
VABQ	Val Des Bois	
VAC	Vackov	
VACH	Vallenar	
VACK	Vackovec	
VACR	Volcan Arenal	
VAD	Vardenisi	
VADZ	Vardenis	
VAE	Valguarnera	
VAF	Ylistaro	
VAG	Aggia Anna	
VAGA	Valle Agricola	
VAH	Vaihoa	
VAI	Varese	
VAJ	Vajont	
VAL	Valentia	
VALF	Valcebollere	
VALM	Valbona	
VALQ	Val d'Or	
VALT	Mount Saint Helens Crater	
VAM	Vamos	
VAN	Vannovskaya	
VAN2	Vandellos 2	
VANB	Van	
VANNI	Vissoie, Val d'Anniviers	
VANT	Van	
VANU	Vaenersborg	
VANZ	Vanadzor	
VAO	Valinhos	
VAO2	Atibaia	
VAO3	Socorro	
VAR	Varanasi	
VARB	Varian Well	
VARE	Varese	
VARN	Col Varnada, Mel (BL)	
VARP	Vesuvio Array Permanente	
VARR		
VAS	Vassijaure	
VASS	Vassouras	
VAVA	Vava'u	
VAY	Valandovo	
VBA	Sierra Ventana	
VBEM	Beaver Butte	
VBG	Venebrugge	
VBG1	Venebrugge (Bruchterveld)	
VBG2	Venebrugge (Bruchterveld)	
VBG3	Venebrugge (Bruchterveld)	
VBG4	Venebrugge (Bruchterveld)	
VBKN	Vesuvio Bunker Nord	
VBMS	Vicksburg	
VBN	Bulusan	
VBPM	Bald Peter	
VBU	Buco	
VBV	Virginia Beach	
VBY	Vinica-Bojanci	
VC1	Cotopaxi 1	
VCA	Vinchina	
VCAB	Vineyard Canyon	
VCB	Cabagna-an	
VCEL	Villa Celiera	
VCHI	Volcan Chico	
VCLM	Crater Lake	
VCM	Veracruz	
VCMM	Chase Mountain	
VCMT	Victor	
VCN	Canlaon	
VCP	Volcan Cerro Prieto	
VCR	Vista de Mar	
VCRE	Vesuvio Cratere Est	
VCS	Vernal Corners	
VCT	Victoria	
VCVM	Valle de Chalco	
VDA	Vodivohitra	
VDB	Vedder Mountain	
VDBQ	Val-des-Bois,QC	
VDCF	Villefranche	
VDF	Valdeflores	
VDL	Val di Lei	
VDM	Villiers-Adam	
VDQ	Val d'Or	
VDW	Vunidawa	
VEA	Veano	
VEB	Veberod	
VEH	Verkhnyaya Baza	
VELZ	Velez Rubio	
VEN	Venice	
VENT	Ventotene	
VER	Veracruz	
VERF	Verneugheol	
VERG	Veris	
VES	Vestal, Richgrove	
VEW	Oceanview	
VEX	Veracruz	
VEZ	Vezirkopru	
VFBM	Frederick Butte	
VFI	Filaki	
VFP	Flag Point	
VG1	Voghera	
VG2	Vista Grande	
VGB	Gordon Butte	
VGBM	Gordon Butte	VGB
VGL	Glafira	
VGM	Villa Grajales	
VGMM	Grass Mountain	
VGP	Chiapas	
VGPM	Green Peter	
VGTM	Goat Mountain	
VGVI	Virgin Gorda	
VGZ	Gonzales	
VHBM	Hamelton Butte	
VHEM	Hood Meadows East	
VHH	Hibok Hibok	
VHHM	High Heaven	
VHM	Vista Hermosa	
VHO	Vista Hermosa	
VHOM	Mount Hebo	
VHTN	Van Hill	
VHYM	Horsefly Mountain	
VIB	Van Inlet	
VIC	Victoria	
VICH	Los Vilos	
VIE	Vienna	
VIEF	Viey	
VIEL	Selb-Vielitz	
VIF	Vila Franca	
VIGE	Viggiano	
VIGV	El Vigia	
VIH	Vielha	
VIK	Vik	
VIKU	Vikbolandet	
VIL	Villa Mercy	
VIL1	Vilia, Western Attica	
VIL2	Platees	
VILA	Vilada	
VILF	Villemus	
VILL	Villia	
VIM	Vimmerby	
VIMO	Victor Mine	
VIN	Vineyard	
VINC	Vinca	
VINO	Villanova	
VIP	Virginia Peak	
VIPM	Ingram Point	
VIR	Virginia	
VIRV	Villa del Rosario	
VIS	Vishakhapatnam	
VISG	Visignano	
VISK	Vishakhapatnam	VIS
VISS	Vis@19nje	
VIT	Vineyard--Telemeter	
VITF	Vittel	
VITZ	Vitzeroda	
VIV	Vinh	
VIVF	Saint-Julien-le-Roux	
VIZ	Vizianagram	
VJD	Vijayawada	
VJF	Virojoki	
VJYM	Jersey	
VKA	Vienna	
VKB	Valkenburg	
VL6*	Forgia Vecchia	
VLA	Vladivostok	
VLC	Villacollemandina	
VLCH	Valdivia	
VLD	Valdez	
VLDQ	Val d'Or	
VLG	Velasquez	
VLH	Lignon Hill	
VLI	Veliai	
VLK	Valmikinagar	
VLKR	Vladikavkaz	
VLL	Laurance Lake	
VLMM	Larch Mountain	
VLN	Vanua Lava	
VLO	Vlora	
VLP	Valparaiso	IHA
VLR	Valea Ierii	
VLS	Valsamata	
VLU	Vernal	
VLV	Valdivia	
VLW	Vlagtwedde	
VLW1	Vlagtwedde	

Code	*Station Name*	*Other*
VLW2	Vlagtwedde	
VLW3	Vlagtwedde	
VLW4	Vlagtwedde	
VLX	Vlachokerasia	
VLY	Voula,Athens	
VLZ	Valdez	
VMA	Markates	
VMC	Ville Marie	
VMG	Vicchio	
VMHM	Mount Hagen	
VMNM	Maupin	
VMO	Villa Marinero	
VMR	Mayon Resthouse	
VMS	Misericordia	
VMT	TAPS Tl Valdez	
VMUR	Van-Muradiye	
VN-	Vernal	VN-UT
VN6*	Vulcanello	
VNA	Neumayer	
VNA1	Neumayer--Station	
VNA2	Neumayer--Watzmann	
VNA3	Neumayer Olymp	
VND	Vanda	
VNDA	Vanda	
VNDS	Vrh nad Dolskim	
VNE	Neochorion	
VNFG	Veniaminof 2	
VNG	Vunargo	
VNHG	Veniaminof 1	
VNKR	Veniaminof 5	
VNL	Vernal	
VNM	Villa de Garcia	
VNNF	Veniaminof 3	
VNNZ	Vanand	
VNSG	Veniaminof 6	
VNSS	Veniaminof 8	
VNSW	Veniaminof 7	
VNT	Van	
VN-UT	Vernal	
VNV	Volcan Villarrica	
VNWF	Veniaminof 8	
VNY	Varmlds Nysat	
VO-	Vinton	VO-IO
VOBA	Vobarno	
VOGL	Vogel Lake	
VOI	Vohitsoka	
VO-IO	Vinton	
VOIR		
VOJS	Vojsko	
VOL	Volimes	
VOLV	El Volcan	
VOR	Voronezh	
VORD	Divnogorie	
VORR	Voronezh	
VOS	Vostochnaya	VOSK
VOS4	Vostochnaya array site	
VOS5	Vostochnaya array site	
VOS6	Vostochnaya array site	
VOS7	Vostochnaya array site	
VOS8	Vostochnaya array site	
VOS9	Vostochnaya array site	
VOSK	Vostochnaya	
VOU	Vouglans	
VOY	Vojsko	
VPA	Pavliani	
VPD	Villa Park Dam	
VPDC	Valencia Peak Digital	
VPEM	Volcano Peak East	
VPIM	Pine Mountain	
VPK	Verdi Peak	
VPL	Vulcano Piano	
VPMM	Saint Patrick Mountain	
VPP	Pira-Piraso	
VPS	Volcan Poas	
VPS2	Volcan Poas 2	
VQS	Vieques	
VRAC	Vranov	
VRBM	Round Butte Dam	
VRC	Rainbow Creek	
VRD	Vardenis	
VRDI	Verde Repeater	
VRF	Varrio	
VRH	Novokhopyorsk	
VRHR	Novokhopersk	
VRI	Vrincioaia	
VRN	Varnville	
VRNZ	Vardanashen	
VRS	Kato Vasiliki	
VRSR	Storozhevoye	
VRT	Varto	
VRTB	Varto-Mus	
VRZ	Vera Road	
VRZG	Vardzia	
VRZT	Veris	
VSBM	Spring Butte	
VSC	Varnville	
VSCM	Scott Mountain	
VSG	Visale	
VSI	Simia	
VSK	Skopelos	
VSL	Villasalto	
VSM	San Miguel	
VSMM	Salem	
VSP	Spence Mountain	
VSR	Storozhevoye	
VSS	Volcan San Salvador	
VST	Saint Thomas	
VSTC	Vista	
VSTU	Vaestervik	
VSU	Vasula	
VT-	Venator	VT-OR
VT1	Waterbury	
VT2	Vantage 2	
VTB1	Vitulano	
VTCM	Trout Creek Butte	
VTDM	The Dalles	
VTG	Vantage	
VTH	Erithrai	
VTHM	Trough	
VTIR	Vesuvio Tirone	
VTMR	Vitim	
VTN	Vitineika	
VT-OR	Venator	
VTS	Vitosha	
VTU	Volcan Turrialba	
VTV	Victorville	
VTVB	Vinh Tuy	
VTVM	Tizayuca	
VTY	Vatovaky	
VUL	Vulcan	
VULT	Monte Vulture - Melfi	
VUN	Vunikawai	
VVD	Valverde	
VVDG	Vesuvio Valle Del Gigante	
VVHS	Vashon High School SMO	
VVI	Villa di Villa	
VVK	Vomvokou	
VVLD	Villa Vallelonga	
VVO	Vivian	
VVOS	Brankovina	
VWBM	Wanoga Butte	
VWCC	Virginia Western Community College	
VWMM	Walker Mountain	
VWV	Potts Mountain	
VXJU	Vaexsjoe	
VYB	Vyborg	
VYHS	Vyhne	
VZS	Valdez South	
VZW	Valdez West	
W02B	Bay Bridge West Pier 2	
W05B	Bay Bridge West Pier 5	
W12A	Cal Nev Ari	
W13A	Hualapai Mountain Park, Kingman	
W14A	Seligman	
W15A	Williams	
W16A	Flagstaff	
W17A	Winslow	
W18A	Petrified Forest	
W19A	Sanders	
W20A	Ramah	
W21A	San Fidel	
W22A	Albuquerque	
W23A	Werner Place, Edgewood	
W24A	Lazy 6 Ranch, Villanueva	
W25A	X Bar L Ranch, Newkirk	
W26A	Owens Ranch, Tucumcari	
W27A	Bowe Ranch, Endee	
W28A	Vega	
W29A	Amraillo	
W30A	Crocket Farms Inc., Mclean	
W31A	Holland Ranch, Erick	
W32A	Sentinel	
W33A	Caddo, Fort Cobb	
W34A	Bridge Creek, Tuttle	
WA-	Watson	WA-OK
WA1	Wongan Hills	
WA2	Wagin	
WA3	Talbot Brook	
WA4	Burakin	
WAA	Waris	
WAB	Wabag	
WABN	Wabush	
WACK	Wrangell Chichokna Glacier	
WAD	Wadsworth	
WADM	Wardell	
WAGN	Wager Bay	
WAH	Wahluke	
WAH2	Wahluke Slope	
WAHZ	Wakarara	
WAI	Wairiri	
WAJ	Wa jima	
WAJH	Al Wajh	
WAK	Wakkanai	
WAKE	Wake Island	
WAKJ	Wakkanai	
WAKR	Walker	
WAL	Wallace	
WAL1	Walls	
WALA	Waterton Lakes	
WALK	Watson Lake	
WALU	Walls	
WAM	Wambrook	
WAMI	Wamena	
WAN	Wanliss Street	
WANC	Wrangell North Crater	
WA-OK	Watson	
WAPA	Wapiti River	
WAR	Warsaw	
WARB	Warburton	
WARN	West Arenal	
WAS	Washington	
WASL	Wasel	
WASM	Alta Sierra Campground	
WASW	Wrangell Southwest	
WAT	Watheroo	
WATA	Walderalm	
WATZ	Wairara	
WAU	Wau	
WAX	Waxell Ridge	
WAY	Waynesburg	
WAZ	Wanganui	
WAZA	Wrangell Mount Zanetti	
WB0	Warramunga Array Site B0	
WB1	Warramunga Ar.	
WB2	Warramunga Array Site B2	
WB3	Warramunga Array Site B3	
WB4	Warramunga Array Site B4	
WB5	Warramunga Array Site B5	
WB6	Warramunga Array Site B6	
WB7	Warramunga Array Site B7	
WB8	Warramunga Array Site B8	
WB9	Warramunga Array Site B9	
WBA	Furth	
WBAQ	Buaraba 3	
WBB	Darmstadt	
WBC	Weber Canyon	
WBCY	West Bay, Grand Cayman	
WBD	Lorch/Rhein	
WBE	West Bromwich	
WBG	Bieber	
WBH	Biblis	
WBHS	Wadi 'Ibn Hashbal	
WBI	Whiskey Butte	
WBK	Wadi Bani Khalid	
WBL	White Bluff	
WBMM	Breckenridge Mountain	
WBN	Warburton	
WBNH	Wolfeboro	
WBO	Williamsburg	
WBR	Bronaber	
WBS	Wahnbachtalsperre	
WBSI	Waikabubak, Sumba	
WBSM	Bird Springs	
WBW	Wilson Butte	
WC1	Warramunga Array Site C1	
WC2	Warramunga Array Site C2	
WC3	Warramunga Array Site C3	
WC4	Warramunga Array Site C4	
WCB	Warramunga Array	
WCB1	Church Bay	
WCBC	Windy Craggy	
WCC	Westchester Community College	
WCCN	Westchester CC	
WCFM	Cactus Flat W	CFWM
WCGM	China Gardens	CGSM
WCH	Changhua City	
WCHM	Chimney Peak	
WCI	Wyandotte Cave	
WCIL	Waubonsee CC	
WCK	Wilson Creek	
WCM	Warland Creek	
WCN	Washoe City	
WCNY	West Carthage	
WCO	Washington City	
WCOM	Cook Peak	
WCPM	Cactus Peak W	CPTM
WCSM	Coso Springs S	CSSM
WCT	Wildcat Mountain	
WCU	Willow Creek	
WCXM	China Lake Receiver Site	
WCZ	Waipu Caves	
WD-	Windom	WD-MN
WDB	Woudbloem	
WDB1	Woudbloem 1	
WDB2	Woudbloem 2	
WDB3	Woudbloem 3	
WDB4	Woudbloem 4	
WDBM	Warragamba Dam	
WDC	Whiskeytown Dam	
WDD	Wield Dalam	
WDG	Wallace Dam	
WDGT	Dungji	
WDIN	Wadesville	
WDIS	Woodlark Island	
WDL	Douliou City	
WDLM	Western Deep Levels Mine	
WD-MN	Windom	
WDO	Saint George	
WDS	Woodside	
WDT	Danda	
WDW	Wainui Dam	
WDY	Woody	
WEGH	Weija	
WEIL	Weil am Rhein	
WEIN	Weingarten	
WEK	Wewak	
WEL	Wellington	
WEMQ	Wemindji, Quebec	
WEN	Wenatchee	WNW
WENL	Wente Vineyards, Livermore	
WEO	Welcome	
WER	Werombi	
WERC	Wheeler Ridge	
WERD	Werda	
WERN	Wernitzgruen	
WES	Weston	
WESC	Westside School	
WESE	West Dahl East	
WESN	West Dahl North	
WESS	West Dahl South	
WEST	Westmoreland	
WET	Wettzell	
WEW	Wewak	
WF-	Wykoff	WF-MN
WFAR	Faris Peak	
WFB	Fairbourne	
WFF	Whiting Field	
WFM	Westford	
WF-MN	Wykoff	
WFSB	Wu-fen Shan	
WG2	Wallula Gap	
WG3	Wallula Gap	
WGAR	Walnut Grove	
WGB	Blue River	
WGBM	Warragamba	
WGK	Gukeng	
WGL	Warangal	
WGLY	Wegel	
WGMA	Westboro	
WGW	Wallila Gap	
WGZ	Waimangu	
WH-	Whitehorse	WH-YK
WH2	Whipple Mountains 2	
WH2*	Whitehorse	WH2YK
WH2YK	Whitehorse	
WHA	Wahaula	
WHAB	Al Wahab	
WHAR	Wooly Hollow	
WHB	Whistler	
WHC	Whitehorse	
WHF	Hehuan Shan	
WHFM	Hanning Flat	
WHFN	White Fish Lake	
WHFO	Wadi Hawf	
WHH	Whakatau	
WHHZ	Waihua	
WHI	Whitney	
WHM	Wild Horse Parks	
WHN	Wuhan	
WHNE	Wahoo	
WHR		
WHRZ	Whale Island	
WHSM	Haiwe Spring S	HWSM
WHTX	Lake Whitney	
WHTZ	Whakaora	
WHU	Wild Horse	
WHVM	Havilah	
WHVZ	Whangaehu Hut	
WHW	Wright's Hill	
WHY	Whitehorse	
WHYH	Whyalla	
WH-YK	Whitehorse	
WHZ	Wether Hill Road	
WI-	Winnemucca	WI-NV
WIAZ	Waiheke Island	
WICI	Willow Creek	
WIFE	Three Sisters--Wife	
WIGH	Winneba	
WIH	Wilkes Camp	
WIHG	Wadia Institute--Dehra Dun	
WIL	Wilkes	
WILA	Wila	
WILL	Willung South	
WILN	Americas 2	
WIM	Isle of Man	
WIMIS	Wimmis	
WIMM	Wimmelburg	
WIN	Windhoek	
WI-NV	Winnemucca	
WIS	Wister	
WISC	Wilburton Instructional Services Center	
WISH	Wishkah	
WIT	Witteveen	
WITU	Witu Islands	
WIW	Wooded Island	
WIZ	White Island	
WJHS		
WJPM	Johns Peak	
WK-	Williams Lake	WK-BC
WKA	Willalooka	
WKB	White Rock	
WK-BC	Williams Lake	
WKC	Walker Ridge	
WKC2	Walker Ridge	
WKE	Wake	
WKH	Waikii	
WKJ	Wajiki	
WKM	Welkom	
WKME	Wakayama	
WKR	Work Ranch	
WKTM	Kern-Tulare	
WKU	Wakaura	
WKY	Wakayama	
WKYJ	Wakayama 2	
WKZ	Wanaka	
WL-	Watson Lake	WL-YK
WLA	Wittsburg Lake	
WLAR	White Oak Lake	
WLC	Llyn Conwy	
WLCT	Hsiaoliuchiu	
WLD	Wild Horse Canyon	
WLDR	Wildhorse	
WLF	Walferdange	
WLF1	Llynfaes	
WLG	Waldron Ledge	
WLHM	Little Horse	
WLI	Wellesley Island	
WLJ	Wildlife	
WLK	Wiest Lake	
WLL	Williamstown	
WLM	Willow Mountain	
WLO	Wilson	
WLPM	Leibel Peak	
WLS	Welschbruch	
WLVO	Wesleyville	
WL-YK	Watson Lake	
WLZ	Whitehall	
WM-	Williams	WM-AZ
WMA	West Mesa	
WM-AZ	Williams	
WMBQ	Mount Brisbane	
WMD		
WME	Myndd Eilian	
WMGZ	Waiomatatini Station	
WMH	Warmenhuizen	
WMH1	Warmenhuizen	
WMH2	Warmenhuizen	
WMH3	Warmenhuizen	
WMH4	Warmenhuizen	
WML	Westmorland	
WMN	Winnemucca	
WMNY	West Monroe	
WMO	Wichita Mountains Array	
WMOK	Wichita Mountains	
WMOR	Whale Back Mountain	
WMQ	Urumqi	
WMR	Waimanalo Ridge	
WMS	West Middle School	
WMSJ	Wadi Mousa	
WMTN	White Oak Mountain	
WMU	West Mountain	
WMUT	West Mountain	
WMV	Walker Mountain	
WMY	Wakamiya	
WMZ	Williams	
WN-	Winner	WN-SD
WNC	Wilmington	
WND	Windham	
WNDE	Wendo Genet	
WNH	Whiteface	
WNMM	Nine Mile Canyon	NMC
WNN	Wann	
WNR	Windsor	
WNS	Wenas	
WN-SD	Winner	
WNT	Mingjian	
WNVZ	Wahianoa	
WNW	Wenatchee	
WNY	Wilmington	
WNZ	Wairakei	
WO-	Winslow	WO-AZ
WO-AZ	Winslow	
WOB	Weather Observatory	
WOFM	Oak Flat	
WOH	Wood Valley	
WOJI	Wonogiri, Jawa	
WOL	Wolverton	
WON	Wolverton North	
WOO	Woodstock	
WOOD	Lake Woodford	
WOOL	Woolibar	
WOOM	Toowoomba	
WOR	Worcester	
WORM	Onyx Ranch	
WOSB	Woss	
WPA	Woody Point	
WPB	Watts Point	
WPH	West Pit	
WPHZ	Waipukurau	

Code	Station Name	Other
WPI	Wilson Peak	
WPL	Puli Township	
WPM	White Pine	
WPM1	Penmaenmawr	
WPMQ	Pine Mountain	
WPNY	West Park	
WPO	West Portland	
WPOG	Pogromni	
WPR	Ward Pound Ridge	
WPRZ	Whakapapataringa	
WPS	Cemaes, Anglesey	
WP-TX	Wills Point	
WPVZ	Whakapapa	
WPW	White Pass	
WPZ	Waipapa Point	
WQ-IL	Watseka	
WR-	Walnut Ridge	WR-AR
WR0	Warramunga Array Site R0	
WR1	Warramunga Array Site R1	
WR2	Warramunga Array Site R2	
WR3	Warramunga Array Site R3	
WR4	Warramunga Array Site R4	
WR5	Warramunga Array Site R5	
WR6	Warramunga Array Site R6	
WR7	Warramunga Array Site R7	
WR8	Warramunga Array Site R8	
WR9	Warramunga Array Site R9	
WRA	Warramunga Array Beam Reference Point	
WRAB	Tennant Creek	
WRAI	Warramunga Infrasound Array Beam Reference Point	
WRAK	Wrangell Island	
WR-AR	Walnut Ridge	
WRB	Warramunga Array	
WRC	Williams Ranch	
WRCM	Renegade Can. W	RCWM
WRCQ	Reedy Creek 5	
WRD	Warden	
WRDH	Warideh	
WRG	White River Glacier	
WRH	Wood River Hill	
WRKA	Warakurna	
WRM	Warmifontaine	
WRN	Worthington Mountains	
WRNM	Woronora	
WRPS	Penn State University	
WRS	Warsak Dam	
WRVM	Rose V. Central	RVCM
WRW	Wenatchee Ridge	
WS-	Waterways	WS-AT
WSA	Woomera	
WSAR	Wadi Sarin	
WS-AT	Waterways	
WSC	Washington Science Center	
WSCM	Short Canyon	
WSCO	Wright State University--Celina	
WSDO	Wright State University--Dayton	
WSF	Szhu	
WSH	Washington Hill	
WSHM	Spangler Hills	
WSI	Waingapu	
WSIL	West Salem	
WSLR	Whistler	
WSN	Warm Springs	
WSNC	Winespring Bald	
WSP	Warm Springs	
WSPT	Westport, CT	
WSR	Warm Springs Repeater	
WSS	West Ashley	
WSSR	Wesser Bold	
WST	Stwlan	
WSYH	La Gonave Hosp	
WT-	Wartburg	WT-TN
WTAZ	Waiatarua	
WTC	Waterton	
WTCR	Whites Canyon	
WTCT	Ta-ch'eng	
WTGQ	Toogoolawah	
WTP	Ta-pu	
WTR	Waterville	
WTRB	White River	
WTRQ	Thallon Road	
WTS	Winterswijk	
WTSB	Winterswijk	
WTTA	Wattenberg	
WT-TN	Wartburg	
WTU	Western Traverse Mountains	
WTUG	Tugumak	
WTV	Waterville	
WTVE	Waterville	
WTVZ	West Tongariro	
WTW	West Thumb	
WTX	Workman Tunnel	
WTZ	Whakatane	
WUAZ	Wupatki	
WUC	Wuhan	WHN
WUET	Wuestenhain	
WUH	Wuhan	
WUS	Wushi	
WUW	Wuwei	
WUWY	Wally Ulrich	
WVIL	Wabash College	
WVL	Waterville	
WVLY	West Valley	
WVNY	West Valley, New York	
WVOR	Wild Horse Valley	
WVPM	Volcano Peak E	VPEM
WVR	Vyrnwy	
WVT	Waverly	
WVUT	Wellsville	
WVZ	Waitaha Valley	
WW-	Wah Wah Mts	WW-UT
WWHQ	Wivenhoe Hill 3	
WWHS	Walla Walla High School ANSS SMO	
WWKK	Wewakk	
WWPM	Walker Pass	
WWR	Whitewater	
WW-UT	Wah Wah Mountains	
WWW	Wewak	
WY-	Wynne	WY-AR
WY0	Wyoming Array	WYO
WYA	Wyangala	
WY-AR	Wynne	
WYBT	Wynnburg	
WYH	Wyhlen	
WYL	Yuanlin Township	
WYN1	Wijnaldum	
WYN2	Wijnaldum	
WYN3	Wijnaldum	
WYN4	Wijnaldum	
WYO	Wyoming Array	
WZ-NV	Warm Springs	
X102	Greenbrier Site X102	
X13A	Yucca	
X14A	Yava	
X15A	Humboldt	
X16A	Lo Mia Camp, Pine	
X17A	Forest Lakes	
X18A	Snowflake	
X19A	St. Johns	
X201	Greenbrier Site X201	
X20A	Quemado	
X21A	Alamocita Creek, Datil	
X22A	Bernardo	
X23A	Hourglass Bar Ranch, Mountainair	
X24A	Lazy VL Ranch, Encino	
X25A	Clemmons Ranch, Yeso	
X26A	CR and CF Franklin Farms, Melrose	
X27A	F and S Farms, Texico	
X28A	Dimmitt	
X29A	Tulia	
X301	Greenbrier Site X301	
X30A	Coker Ranch, Turkey	
X31A	McDonald Ranch, Hollis	
X32A	Elmer	
X33A	Lawton	
X34A	Smith Ranch, Marlow	
XAL	Allendale	
XAN	Xi'an	
XAVN	Gruta Xavier	
XDE	Dent Fell	
XIN	Xingo	
XIO	Khios Island	
XLV	Seldovia	
XMAS	Kiritimati	
XMI	Christmas Island	
XMIS	Christmas Island	
XMS	Christmas Canyon	
XNQ	Khinaliq	
XNZR	Khunzakh	
XOR	Xorichti	
XRY	Khrisi	
XSO	Sourhope Farm	
XTAL		
XTNZ	Xhotanan	
Y12C	Blythe	
Y13A	Salome	
Y14A	Wickenburg	
Y15A	Casa Rosa Ranch, Morristown	
Y16A	Circle Bar Ranch, Sunflower	
Y17A	Roosevelt	
Y18A	Canyon Day Junior High, Whiteriver	
Y19A	Nutrioso	
Y20A	Horse Springs, Datil	
Y21A	Point of Rocks Canyon, Magdalena	
Y22A	Socorro	
Y22C	IRIS PASSCAL Instrument Center, Socorro	
Y22D	IRIS PASSCAL Instrument Center, Socorro	
Y23A	Lovelace Mesa, Carrizozo	
Y24A	Capitan	
Y25A	Mesa, Roswell	
Y26A	Elida	
Y27A	Causey	
Y28A	McKinney Farm, Littlefield	
Y29A	Porterfield Farm, Petersburg	
Y30A	Stafford Cattle Company, Roaring Springs	
Y31A	Rekieta Farm, Paducah	
Y32A	R-V Farms, Vernon	
Y33A	Hilltop Ranch, Iowa Park	
Y34A	Reagan Ranch, Oscar	
YA-	Yakima	YA-WA
YA2	Yakima	
YAG	Yagi	
YAH	Yahtse	
YAHY	KAYSERI_Yahyali	
YAIG	Yautepec	
YAK	Yakutsk	
YAKW	Yakima	
YAL	Yalta	
YALR	Yailyu, Altay Republic, Russia	
YAM	Yamagata	
YAMJ	Yamagata	
YAMN	Yamanlar	
YAN	Yangoru	
YANA	Yana	
YANT	Yantaza	
YAQ	Yaqui Meadows	
YAR	Yar	
YARA	Arangoiti	
YAS	Yuasa	
YASH	Mount Yoash	
YASP	Aspurt	
YASR	Yasnyy	
YAT	Yaldymych	
YA-WA	Yakima	
YAY	Yayoi	
YAYL	Yayladag	
YAYX	Yaylak	
YBER	Berdun	
YBH	Yreka Blue Horn Mine, Yreka	
YBIB	Yerba Buena Island	
YBKN	Baker Lake, Hudson Bay	
YBMT	Yellow Bay	
YBT	Youssef Ben Tachfine	
YCA	YACYRETA	
YCB	Yellow Creek Bluff	
YCM	YMCA Camp	
YE6	Yeelanna, site6	
YECH	El Yeso	
YEDI	Yedisu-Bingol	
YEG	Yeguas Mountain	
YEL	Yellow Rock	
YEL1	Yell	
YELT	Yellice	
YELU	Yell	
YER	Yerkesik	
YERM	Yerranderie	
YERR	Yerington	
YESY	Yesilyurt	
YF2NV	Yucca Flat NTS	
YF3NV	Yucca Flat NTS	
YF4NV	Yucca Flat NTS	
YF-NV	Yucca Flat NTS	
YFT	Old Faithful	
YGI	Yagi	
YHB	Horse Butte	
YHH	Holmes Hill	
YHJ	Yallahs	
YHK	Yuen Ng Fan	
YHKE	Yahiko	
YHNB	Yeheng	
YIN	Yingkou	
YJA	Yavi	
YJC	Joseph's Coat	
YJD	YOUNGJONGDO	
YKA	Yellowknife Array Beam Reference Point	
YKAV	Yalikavak-Bodrum	
YKB0	Yellowknife Array Site B0	
YKB1	Yellowknife Array Site B1	
YKB2	Yellowknife Array Site B2	
YKB3	Yellowknife Array Site B3	
YKB4	Yellowknife Array Site B4	
YKB5	Yellowknife Array Sites B5 and R8	
YKB6	Yellowknife Array Site B6	
YKB7	Yellowknife Array Site B7	
YKB8	Yellowknife Array Site B8	
YKB9	Yellowknife Array Site B9	
YKC	Yellowknife	
YKE	Yakedake	
YKGM	Yakataga	
YKI	Yokaichiba	
YKLR	Yuktali	
YKM	Yaak	
YKR0	Yellowknife Array	
YKR1	Yellowknife Array Site R1	
YKR2	Yellowknife Array Site R2	
YKR3	Yellowknife Array Site R3	
YKR4	Yellowknife Array Site R4	
YKR5	Yellowknife Array Site R5	
YKR6	Yellowknife Array Site R6	
YKR7	Yellowknife Array Site R7	
YKR8	Yellowknife Ar.	YKB5
YKR9	Yellowknife Array Site R9	
YKS	Yaku shima	
YKT	Yakutat	
YKU	Yakutat	
YKU2	Yakutat	
YKW1	Yellowknife Array Site W1	
YKW2	Yellowknife Array Site W2	
YKW3	Yellowknife Array Site W3	
YKW4	Yellowknife Array site W4	
YLA	Ilan	ILA
YLE	Yale	
YLL	Llanberis	
YLT	Little Thumb Creek	
YLV	Yalova	
YLYR	Ulyunkhan	
YMBN	Yamba Lake	
YMC	Maple Creek	
YMD	Yuma Desert	
YML	Mary Lake	
YM-NV	Yucca Mountain	
YMP	Mirror Lake Plateau	
YMR	Madison River	
YMS	Mount Sheridan	
YMT1	Yucca Mountain	
YMT2	Yucca Mountain	
YMT3	Yucca Mountain	
YMT4	Yucca Mountain	
YMT5	Yucca Mountain	
YMT6	Yucca Mountain	
YMUS	Peˆ–a Musera	
YMV	Mammoth Vault	
YMZ	Yamizo	
YMZU	Yamizo	
YNAR	Nardues-Aldunate	
YNB	Natural Bridge	
YNBS	Yanbu' al Bahr	
YNC	Yinchuan	
YNCB	YEONCHEON	
YND	Yaounde	
YNEN	Yamba Lake Northeast	
YNG	Young	
YNGY	Yangiyul	
YNR	Norris Junction	
YNT	Yunotani	
YOA	Uoyan	
YOBS		
YOGI	Yogyakarta	
YOJ	Yonaguni jima	
YOK	Yokohama	
YOKT	Yokooka	
YOMI	Yo Moklole	
YON	Yonago	
YONJ	Yonago 2	
YOO	Oaxaca	
YOS	Yoshiwara	
YOSD	Yoshimatsu	
YOSQ	Ashton Mining of Canada property	
YOU	Young	
YOUB	Youbou, Lake Cowichan	
YOZ	Yozgat	
YPBB	Black Butte	
YPBE	Bechler	
YPBR	Bridge Bay	
YPCJ	Canyon Junction	
YPDC	Denny Creek	
YPE	Yupe	
YPEE	East Entrance	
YPGV	Grant Village	
YPHR	Hebgen Ridge	
YPHS	Hot Springs Basin	
YPLA	Lake Butte	
YPLB	Lake Butte	
YPLK	Lake Junction	
YPM	Purple Mountain	
YPMF	Mesa Falls	
YPML	Mary Lake	
YPOF	Old Faithful	
YPP	Pitchstone Plateau	
YPPC	Pelican Cone	
YPRL	Red Lodge	
YPSB	Soda Butte	
YPSE	South Entrance	
YPT	Yellepit	
YPTB	Twin Buttes	
YPTS	Trude Siding	
YPWB	West Boundary	
YR-	Yreka	YR-CL
YRC	Rhoscolyn	
YR-CL	Yreka	
YRE	Yr Eifl	
YRH	Rhiw	
YRTN	Rankin Inlet	
YSA	Yasawairara	
YSIG	Sigues	
YSK	Yokosuka	
YSM	Yoshimatsu	
YSNY	Yorkshire	
YSOS	Sos del Rey Catolico	
YSS	Yuzh-Sakhalinsk	
YST	Yumesaki	
YSUO	Youngstown State University	
YTC	Trail Creek	
YTIR	Yattir	
YTP	The Promontory	
YTV	Yen Tu	
YUH	Yuha Desert	
YUK	Yuzh-Kuril'sk	
YUK1	Sand Pete Hill	
YUK2	White River	
YUK3	Moose Creek	
YUK4	Talbot Arm	
YUK5	Granite Creek	
YUK6	Outpost Mountain	
YUK7	Dusty Glacier	
YULB	Yu-li	
YUM	Yumen	
YUMT	Yumurtalik	
YUND	Undues	
YUO	Iwo jima	
YUP	Yupiltepeque	
YURE	YUREGIR	
YUS	Yu-Shan	
YWY	West Yellowstone	
YYI	Yaongyimsen	
YYYY	Yonkie	
YZT	Yamasaki	
YZU	Yuzawa	
Z13A	Yuma Proving Gounds (US Army), Dateland	
Z14A	Wintersburg	
Z15A	Gila River Indian Community, Laveen	
Z16A	Peralta Trail, Apache Junction	
Z17A	San Carlos High School, San Carlos	
Z18A	Geronimo	
Z19A	T-Link Ranch, Clifton	
Z20A	Nine Sixteen Ranch, Cliff	
Z21A	St. Cloud Mine, Winston	
Z22A	Elephant Butte, Truth or Consequences	
Z23A	Rita Site, White Sands Missle Range	
Z24A	Sheeppen Canyon, Tinnie	
Z25A	Roswell	
Z26A	Caprock	
Z27A	Tatum	
Z28A	Tucker Farm, Meadow	
Z29A	Hungry Hill Ranch, Wilson	
Z30A	Sanderson Ranch, Post	
Z31A	Sharp Cattle Ranch, Aspermont	
Z32A	Haskell	
Z33A	Whitaker Ranch, Olney	
Z34A	Collier Ranch, Chico	
Z35A	Perchaven, Sanger	
ZA1	Zafferana	
ZAA0	Zalesovo Array Site A0	
ZAA1	Zalesovo Array Site A1	
ZAA2	Zalesovo Array Site A2	
ZAA3	Zalesovo Array Site A3	
ZAB	Zabrze	
ZAB1	Zalesovo Array Site B1	
ZAB2	Zalesovo Array Site B2	
ZAB3	Zalesovo Array Site B3	
ZAB4	Zalesovo Array Site B4	
ZAB5	Zalesovo Array Site B5	
ZAC	Zacaltic	
ZACH	Zapallar	
ZAF		
ZAG	Zagreb	
ZAG*	Zagreb	
ZAI	Zaio	
ZAIG	Zacatecas	
ZAK	Zakamensk	
ZAL	Zalesovo	
ZALF	Zalf	
ZALV	Zalesovo Beam	
ZAM	Aeronautique	
ZAN	Zante	
ZANG	Zanguenga, Chorrera	
ZAPC		
ZAPS	Zavoj	
ZATK	Zatriq	
ZAV	Zavalia	
ZAVE	Correggio Bag	
ZAVS	Zavodnje	
ZAX	El Zacaton	
ZBID	Zabid	
ZCCA	Zocca	
ZEA	Zeya	
ZEI	Tsey	
ZEIT		

Code	*Station Name*	*Other*
ZEM	Michoacan	
ZEN8	San Zeno di Montagna	
ZER	Zerhoun	
ZFRI	Zfri	
ZFT	Errachidia	
ZGN	Zaghouan	
ZGT	Zonguldak	
ZHC	Zelena Hora	
ZHGX	Zihuatanejo	
ZHI	Cilov Adasi	
ZHOB	Zhob	
ZHSF	Zahedan	
ZIH	Zihuatanejo	
ZIIG	Zihuatanejo	
ZIM	Zimchurud	
ZIMR		
ZIN	Mount Zion Church	
ZIP	Tsipikan	
ZIRO	ZIRO	
ZIS	Zishin	
ZKR	Zakros	
ZKS	Zakynthos	
ZKT	Zaqatala	
ZKTA	Zakatala	
ZKW	Sheshan	
ZL21	Zuidlaarderveen (2)	
ZL22	Zuidlaarderveen (2)	
ZL23	Zuidlaarderveen (2)	
ZL24	Zuidlaarderveen (2)	
ZLA	Zuerich Laegern	
ZLN	Zelenaya	
ZLNR	Zelenogorsk	
ZLP	Zongo (La Paz)	ZOBO
ZLV	Zuidlaarderveen	
ZLV1	Zuidlaarderveen	
ZLV2	Zuidlaarderveen	
ZLV3	Zuidlaarderveen	
ZLV4	Zuidlaarderveen	
ZMP	Zamboanga	
ZMPH	Zamboanga City	
ZNGN	Zangian	
ZNH	Zanoah	
ZNJK	Zanja@18n	
ZNM		
ZNPU	Zion National Park	
ZNT	Zur Nathan	
ZOBO	Zongo (La Paz)	
ZOMB	Zomba	
ZON	Zonda	
ZOU	Zoufplan	
ZOX	Ground Zero	GZN
ZQRN	Zuqar Island	
ZRD	Zardab	
ZRHB	Zarechye	
ZRN4	Zerenda array site	
ZRN5	Zerenda array site	
ZRN6	Zerenda array site	
ZRN7	Zerenda array site	
ZRN8	Zerenda array site	
ZRN9	Zerenda array site	
ZRNK	Zerenda	
ZRO	Akutan Zero	
ZSC	Sheshan	
ZSC*	Sheshan	
ZSH	Tsaishi	
ZSP	San Pablo Dam	
ZST	Bratislava	
ZTZ	Tsit'eli Tsqaro	
ZUG	Zugdidi	
ZUL	Zurich-Lageren	
ZUQR	Zugar Island	
ZUR	Degenried	
ZUVM	ZUMPANGO	
ZWE1	Zweins	
ZWE2	Zweins	
ZWE3	Zweins	
ZWE4	Zweins	
ZZA	Chiapas	
ZZT	Zu Zu	

SEISMOLOGICAL OBSERVATORIES

IN ORDER OF GEOGRAPHICAL ZONE

AFRICA

Algeria

CAEH	'Ain El Ouahch	
EANR	'Ain N'Sour	
CASM	Ain Smara	
AKF	Akfadou	
MOLA	ALG	
ABA	Alger-Bouzareah	
ALG	Algiers University	
BAB	Beni-Abbes	
EBNR	Beni Rached	
CBND	Bou Andas	
ODJA	Bouhanifia	
ABMS	Boumerdes	
CNS	Constantine	
ESS	CRAAG	
CABS	Djebel Ababsia	ABSA
ABSA	Djebel Ababsia	
OJBR	Djebel Berber	
DFRA	Djebel Bou Affroun	
EBHM	Djebel Bou Ahmed	
OBLS	Djebel Bou Ietas	
EBOM	Djebel Bou Maad	
EBYL	Djebel Bou Yalou	
ADJB	Djebel Djouab	
OJGS	Djebel Guires	
OKGL	Djebel Kef Guellal	
AKET	Djebel Ketaf	
OKJL	Djebel Kodjel	
EMHD	Djebel Mahouada	
CMAH	Djebel Manchoura	
OMID	Djebel Midouna	
ESAD	Djebel Saadia	
ETHB	Djebel Tachoubennt	
ETAN	Djebel Tanoua	
ATAF	Djebel Tarf	
CTEI	Djebel Teioualt	
OTSS	Djebel Tessala	
ODZI	Dziouia	
ECHF	Ech Chlef	
ECHA	Ech Chlef	
CGMA	Guelma	
CGUE	Guelma	CGMA
IAA	In Amguel	
AKAY	Kef Ayad	
CKHR	Kef el Ahmar	
CKFL	Kef-Lekhel	
MEB	Medea	
AMDA	Medea	
CMER	Merouana	
OMET	Metahra	
AMRH	Mont Rhoder	
USTO	Oran	
OFD	Oued Fodda	
OLHC	Oulhaca	
REL	Relizane	
RLA	Relizane	
SET	Setif	
SKDA	Skikda	
TAM	Tamanrasset	
ETRT	Tiaret	
ATIP	Tipaza	
ATPZ	Tipaza	
TEC	Tlemcen	
OTLM	Tlemcen	

Angola

DUN	Dundo
LUA	Luanda
SDB	Sa da Bandeira

Botswana

LBTB	Lobatse

Cameroon

BNC	Bambui
BTE	Batoke
BKO	Bokosso
EKC	Ekona
FBT	Foumbot
KMC	Kompina
KBC	Kumba
MOKC	Mount Cameroon
MOC	Mount Cameroon
NGC	Ngoundere
YND	Yaounde

Cape Province

KEIM	Keimoes

Cape Verde Islands

BCCH	Brava--Cachaco
FPPC	Fogo--Pe de Pico
I11CV	MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT
SACV	Santiago Island

Central African Republic

BCAO	Bangui
BNG	Bangui
BGCA	Bogoin

Chad

ABC	Abeche

Congo (Kinshasa)

BIN	Binsa
BULE	Bulengo
BTC	Butembo
DCC	Delcommune
ESCO	ESCO Site
GOM	Goma
GUB	Guba
KTL	Katale
KBTI	Kibati
KBBA	Kibumba
KNN	Kunene
LMA	Le Marinel
LBGA	Luboga
LBC	Lubudi
ELI	Lubumbashi
LWI	Lwiro
MLN	Mulungwishi
RUM	Rumangabo
RSY	Rusayo
UVI	Uvira
NYAM	Volcan Nyalulag
NYI	Volcan Nyirag

Djibouti

ART	Arta
AGD	Arta Grotte
ARO	Arta Observatory
ATD	Arta Tunnel
ATA	Atar
BLSD	Baie du Lac Sali
DAF	Dafare
DAY	Day
GBR	Grand-Bara
HLD	Halaksitan
KSU	Koussour
LARD	Lac Aux requins
LDLD	Lac de Lave
MAOD	Malaho
MKL	Maskali
MCAD	Moucha
BEAD	Nord Galaele Koma
OBO	Obock
ODK	Oud Koma
SGH	Sud-Ghoubbet
TDJ	Tadjoura
TDD	Tadjoura Ara

Egypt

AAHD	Abu Hadid
HRDS	Abu Rudays
ASL	Abu Simbel
ABUS	Abu Simbel
AADN	Adndan
AYT	Al 'Ayyat
FYM	Al Fayyum
HHRG	Al Ghardaqah
AKRG	Al Kharijah
MANS	Anshas
HSAF	As Saff
ASW	Aswan
HBNS	Bani@18 Suwayf
NBNS	Bani Suef
HBST	Basata
HSHL	Bi'r Shalatayn
HBRG	Burj al 'Arab
DABA	Dabaa
HDK1	Dakhla
HDHB	Dhahab
AUT	El 'Aiyat
FYD	Fayid
ATOT	Gabel Atot
AGAL	Gebel Alisa
AGMR	Gebel Marawa
AGRW	Gebel Rewraw
GRB	Gharib
HHAG	Hagoal
HAGS	Hagol
HAMM	Hamman Mousa
HLW	Helwan
HEDF	Idfu
KHB	Jabal al Khashab
GTR	Jabal at Tayr
HKAT	Jabal Katrina
HMSM	Jabal Masmas
GLL	Jalalah
HKFR	Khafra
AKRL	Khor El Raml
AKSR	Khor Sakr
KEG	Kottamaia
KOT	Kottamia
NMAN	Kulet Umm Tiheiwat
AKUR	Kurkur
AMAG	Maghara
AMAN	Manam
MMT	Marsa Matruh
HMAT	Matruh
MATC	Matruh
MAT1	Matruh
HMYD	Mayadein
MAZR	Mazracia
EMRS	Mersa Alam
NAHD	NAHD
HNKL	Nakhl
HNAT	Natroun
ANAL	New Alisa
NGMR	NGMR
NNAL	NNAL
ANMR	North Marawa
NSKD	NSKD
SH2	Sharm el Sheik
ASKD	Sinn el Kaddab
ASHG	Umm Shaghir
HDK2	Wahat Dakhilah
HFRF	Wahat Farafirah
AWAL	West Alisa
AWKL	West Kalabsha
NUB	
HSFG	
TR2	
ZAF	
SLUM	
SUZ	
AWBH	
SWA2	
SQR	
SWA1	
ZNM	
RSH	
HQSR	
APRS	
HADB	
ASUT	
TR1	
AANS	
HCAT	
QEN	
ZEIT	
SHRM	

Equatorial Guinea

Fernando Poo

MFP	Moca

Eritrea

ABSE	Abaselama
ASME	Asmera

Ethiopia

AAE	Adis Abeba
ALME	Alemaya
DESE	Dese
FURI	Furi
WNDE	Wendo Genet

Gabon

MSKU	Masuku

Ghana

AKGH	Akosombo
HOGH	Ho
KOGH	Koforidua
KUK	Kukurantumi
LEGH	Legon
LGG	Legon
SPG	Saltpond
SHGH	Shai Hills
TEGH	Tema
WEGH	Weija
WIGH	Winneba

Guinea

KING	Kindia
LABG	Labe
MAMG	Mamou

Ivory Coast

DBIC	Dimbokro
I17CI	DIMBOKRO INFRASONIC ARRAY REFERENCE POINT
LKO	Korhogo
KIC	Kosan Boka
LIC	Lamto
TIC	Toumodi
DIC	

Kenya

KIBK	Kibwezi	
KMBO	Kilima Mbogo	
MAGK	Magadi	
MERK	Meru	
MILK	Milimani	
NAI	Nairobi	
NAKO	Nairobi	NAI
I32KE	NAIROBI INFRASONIC ARRAY REFERENCE POINT	
NYRK	Nyeri	
OLK	Olkaria	
OLWK	Olkaria West	

Libya

LJBD	Adjabya
ALAS	Alassa
MARJ	Al Marj
GHAR	Gharyan
LGHD	Ghdames
LJFR	Jufra
LKFR	Kufra
LMSR	Misrath
LUMB	Murzuk
LSHF	Shwairf
LSRT	Sirt
LTBQ	Tobruq
LTRP	Tripoli
LUJL	Ujela
LZLA	Zalla

Madagascar

OBY	Ambatonomby
ATG	Ambohiby
OPO	Ambohidratompo
ABM	Ambohimiarambe
ABPO	Ambohimpanom
AVY	Angavokely
I33MG	ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT
FRR	Firariana
MDSM	Mandiavato
FOMA	Nahampoana Res
SBV	Sambava
TAN	Tananarive
VTY	Vatovaky
VDA	Vodivohitra
VOI	Vohitsoka

Malawi

BANG1	Bangula
CLK	Chileka
KARM1	KARONGA
LILM	Lilongwe
MALM	Malindi
MZM	Mzuzu
NENM1	Neno
ZOMB	Zomba

Mali

KOWA	Kowa

Morocco

AFS	Agadir Fac de Sc.	
AOF	Agadir Oufela	
AIT	Ait Ouarda	
ANTZ	Aouinet Torkoz	
ALZ	Aoulouz	
AVE	Averroes	
BAM	Barrage Abdel Moumen	
BMK	Barrage El Makhazine	
BBT	Barrage Ibn Batouta	
BME	Barrage Mansour Eddahbi	
BMB	Barrage Mohamed Ben Abdellah	
BMKM	Barrage Mohammed V	
BMD	Beni Messoud	
BIT	B. Ibn Batouta	BBT
BOJ	Boujaaouane	
BBA	Boulbra	
CGR	Cap Guir	
CPS	Cap Spartel	
CIA	Chichaoua	
CZD	Col de Zad	
MDAL	Dalia	
DKH	Dar Kharkhour	
DKD	Dar Kodiat	
KIB	El Ksiba	
ERR	Err	
ZFT	Errachidia	
FOE	Fourare	
HALM	Halim	
HAD	Hassan Addkhil	
IDR	Idriss Premier	
IFR	Ifrane	
IMK	Imi Mikki	
CHAS	Isla Isabel II, Islas Chafarinas	
JBB	Jbel Babet	
JHA	Jbel Lahdid	
JOK	Jbel Ouklim	
KHF	Khenifra	
KRAM	Krabesse	
KES	Ksar Es Souk	HAD
LRO	Larroussi	
EMLI	Melilla	
MDT	Midelt	
MIF	Mishlifen	
NKM	Nakhla	
OKL	Od Khalfella	
OUJ	Oujda	
OUK	Oukaimeden	
MPAL	Palemas	
PVLZ	Pen@16o@15n de Ve@15lez	
ALHU	Pen de Alhucemas	
RBA	Rabat	
RTC	Rabat Centre	
RBZ	Rabat Zaers	
RSA	Sarsar	
SOIM	Smimou	
SMRM	Smir	
TAF	Taforalt	
TGT	Taghat	
TZK	Tazeka	
TZC	Tazercounte	
MTNG	Tinghir	
TIO	Tiouine	
TIS	Tissa	
TSY	Tnine Yamani	
MTOR	TORKOZ	
TFT	Tounfite	
TNF	Tounfite	
TOU	Touzarine	
YBT	Youssef Ben Tachfine	
ZAI	Zaio	
ZER	Zerhoun	
BMK*		BMKM

Mozambique

CNG	Changalane
CHGM	Chingoma
LICH	Lichinga
LICM	Lichinga
MANI	Manica
MAPI	Mapinhane
LMM	Maputo
NPA	Nampula
SONG	Songo
TET	Tete

Namibia

KJAB	KAMANJAB
RUDU	RUNDU
TSUM	Tsumeb
I35NA	TSUMEB INFRASONIC ARRAY REFERENCE POINT
WIN	Windhoek

Niger

TORD	Torodi Ar. Beam
TOA3	Torodi Ar. Site
TOA2	Torodi Ar. Site
TOB1	Torodi Ar. Site
TOA1	Torodi Ar. Site
TOB2	Torodi Ar. Site
TOA0	Torodi Ar. Site
TOB3	Torodi Ar. Site
TOB4	Torodi Ar. Site
TOB5	Torodi Ar. Site
TOC1	Torodi Ar. Site
TOC2	Torodi Ar. Site
TOC3	Torodi Ar. Site
TOC4	Torodi Ar. Site
TOC5	Torodi Ar. Site
TOC6	Torodi Ar. Site
TOC7	Torodi Ar. Site

Orange Free State

I47ZA	BOSHOF INFRASONIC ARRAY REFERENCE POINT

Rwanda

AST	Butare	BTR
BTR	Butare	
KIG	Kigali	

Senegal

BBTS	Babate	
BKL	Bakel	
DAK	Dakar	
KDS	Kedougou	
KED	Kedougou	
KED*	Kedougou	KDS
KDG	Kedougou	KED
MMS	Matam	
MBO	M'Bour	

Somalia

MOG	Mogadiscio

South Africa

Cape Province

BEW	Beaufort West
BLE	Bellville
BUFB	Buffelsbos
CVN	Calvinia
CVNA	Calvinia
CGH	Cape Good Hope
CTO	Cape Town
CASA	Carruther's Hill
CER	Ceres
ELIM	Elim

Code	Station Name	Other
GRH	Grahamstown	
GRM	Grahamstown	
HER	Hermanus	
KSD	Kokstad	
KOMG	Komaggas	
LTT	Louis Trichardt	
MDL	Mandileni	
PSR	Paul Sauer Dam	
POF	Pofadder	
PKA	Prieska	
SOE	Somerset East	
SBO	Springbok	
SUR	Sutherland	
TUH	Tulbagh	
UMT	Umtata	
UPI	Upington	
Natal		
JOZ	Jozini	
NWL	Newcastle	
PTM	Pietermaritzburg	
PIE	Pietermaritzburg	
POG	Pongola	
Orange Free State		
BLF	Bloemfontein	
FRS	Fauresmith	
KIM	Kimberley	
PKR	Le Roux Dam	
PRYS	Parys	
PRY	Parys	
SEK	Senekal	
VIR	Virginia	
WKM	Welkom	
ALBD	Alberton, Johannesburg	
BNON	Benoni	
BOSA	Boshof	
HVD	Gariep Dam	
HMSA	Hans M'sky res	
KLOF	Kloof	
MSNA	Messina	
OBSV	Observatory	
OKP	Okiep	
PHW	Phalaborwa	
POGA	Pongola	
RDWR	Rand Water	
DRD	Roodepoort, Johannesburg	
TLEK	Tau Lekoa	
UNJO	University of Johannesburg	
WDLM	Western Deep Levels Mine	
Transvaal		
BFT	Belfast (SA)	
BFSD	Buffelsfontein	
BFS	Buffelsfontein	
CGY	Coligny	
CRWM	Crown Mines	
ERPM	east rand property ines	
ERS	Ellisras	
EVA	Evander	
BPI	Johannesberg	
JOH	Johannesburg	
KSR	Koster	
LEP	Lephalale	
MOAB	Moab Khotsong	
MOPA	Mopani	
PRE	Pretoria	
SWZ	Schweizer	
SLR	Silverton	
TAUL	Tau Lekoa	
Sudan		
JAWL	J.Aulia	
MRKH	Merkhyat	
NYA	Nyala	
SLAT	Slait	
Swaziland		
MAGG	Maguga Dam	
SWL	Swaziland	
SWD	Swaziland	
Tanzania		
BBAT	Babati	
DODT	Dodoma, Tanzania	
KIBA	KIBA	
KOND	KOND	
MANYT	Many	
SINGT	Sing	
Togo		
OAUI	Ile-Ife	
LOM	Lome	
Tunisia		
BLIT	Baltah	
BERT	Berda	
AYNT	El Ayoun	
GAF	Gafsa	
GFA	Gafsa	
GHAT	Ghardimaou	
BTHT	Jabal bu Thady	
KCHT	Kechabta	
KEST	Kesra	
I48TN	KESRA INFRASONIC ARRAY REFERENCE POINT	
KRIT	Krib	
MART	Mareth	
MEDT	Meda	
MBZ	Menzel Bouzelfa	
OAR	Oum El Arais	
SBS	Sidi-Bou-Said	
SGNT	Sidi Gnaou	
SYA	Sidi Yaiche	
TAMR	Tamra	
TATN	Tataouine	
THTN	Thala	
THA	Thala	
TROT	Trozza	
TUN	Tunis	
ZGN	Zaghouan	
Uganda		
ENT	Entebbe	
HOI	Hoima	
KIL	Kilembe	
MBAR	Mbarara	
United Republic of Tanzania		
ARTT	Arusha	
DOD	Dodoma	
ITKT	Itaka	
ITBT	Itumba	
MBAT	Mbeya	
PDHT	Panda Hill	
TDMT	Tunduma	
Zambia		
BHA	Broken Hill	
CHMZ	Choma	
IKZ	Isoka	
ITZ	Itezhi-Tezhi	
KMZ	Kasempa	
LSZ	Lusaka	
LUS	Lusaka	
MZZ	Mansa	
PTZ	Petauke	
Zimbabwe		
BLWY	Bulawayo	
BUL	Bulawayo	
CIR	Chiredzi	
HARE	Harare	
HWZ	Hwange	
KRB	Kariba Dam	
KRI	Karoi	
KRR	Karoi	
MATP	Matopo	
MTD	Mount Darwin	
MUZ	Mutare	
ANTARCTICA		
Antarctica		
ELIB	Princess Elisabeth base, Queen Maud Land, Antarctica	
Antarctica:Land		
SPA	South Pole	
QSPA	South Pole Quiet Zone Earth Science Observatory	
Antarctic Peninsula		
AIA	Argentine Island	
ESPZ	Base Esperanza	
GGV	Gabriel Gonzalez Videla	
ANC	Marguerite Bay	
OHC	O'Higgins	
PMSA	Palmer Station	
SMAI	San Martin Antarctic Base	
Coats Land		
BELA	Belgrano 2	
HBA	Halley Bay	
Dronning Maud Land		
ABOA	Aboa	
I27DE	GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	
MAIT	Maitri	
VNA	Neumayer	
VNA3	Neumayer Olymp	
VNA1	Neumayer--Station	
VNA2	Neumayer--Watzmann	
NVL	N'lazarevskaya	
SNA	Sanae	
SNAA	Sanae	
SYO	Syowa Base	
East Antarctica		
CCD	Concordia, Antarctica	
Enderby Land		
CASY	Casey	
King Edward VII Land		
LAA	Little America	
RMA	Rockefeller Mts	
Mac Robertson Land		
MAW	Mawson	
Marie Byrd Land		
BYR	Byrd	
BSA	Byrd (S.R.I.)	BY1
BYA	Byrd--Stanford Research Institute	
BY2	Byrd--Stanford Research Institute	
BY1	Byrd--Stanford Research Institute	
BY3	Byrd--Stanford Research Institute	
Queen Mary Land		
MIR	Mirnyy	
OBA	Oasis-Bungera	
South Orkney Islands		
ORCD	Orcadas	
SGY	Signy Island	
South Shetland Islands		
AAS	Arctowski Station	
DEC	Deception Island	
JUBA	Jubany	
PED	Pedro Cerda	
SEJ	Sejong Station	
Terre Adelie		
DRV	Dumont d'Urville	
TAA	Terre Adelie	
Victoria Land		
HLL	Cape Hallett	
MCM	McMurdo Sound	
SBA	Scott Base	
TNV	Terranova Bay	
VND	Vanda	
VNDA	Vanda	
I55US	WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	
Wilkes Land		
CSY	Casey Station	
WIL	Wilkes	
ASIA		
Afghanistan		
KBL	Kabul	
KAAO	Kabul (SRO)	KBL
Altayskiy Kray		
CHBI	Chibit, Altay Republic, Russia	
DGZ	Jazzator, Altay Republic, Russia	
SLNR	Muhor-Tarhata, Altay Republic, Russia	
SALR	Pechorkino, Salair, Kemerovskaya Oblast', Russia	
ULGR	Ulagan, Altay Republic, Russia	
YALR	Yailyu, Altay Republic, Russia	
I46RU	ZALESOVO INFRASONIC ARRAY REFERENCE POINT	
Ambon		
KRAI	Karang Ratu	
Andhra Pradesh		
KLRI	Killari	
PVM	Polavaram	
RCLA	Racherla	
SRSP	Sriramsagar	
SRLM	Srisailam	
Andhra Pradesh,India		
SKHT	Srikalahasti	
Armenia		
AMBZ	Amberd	
AKSZ	Araks	
ARRZ	Ararat	
ARUZ	Aruch	
BAW	Bavra	
CKLZ	Chkalov	
EGVZ	Egvard	
GNI	Garni	
GRS	Goris	
GMRZ	Gyumri	
HDR	Hadrut	
HARI	Harich	
HNAZ	Hnaberd	
IDJZ	Idjevan	
DZR	Jermuk	
KDR	Kadzharan	
KAMZ	Kamo	
KAPZ	Kaputan	
KRMZ	Karmrakar	
LEN	Leninakan	
LMTZ	Lermontov	
LERZ	Lernakert	
MTKZ	Martakert	
MTNZ	Martuni	
MGRZ	Megri	
METS	Metsamor	
NARZ	Nor Artik	
NPPZ	NPP	
PAAR	P'arak'ar	
SUSZ	Shushi	
SPIZ	Spitak	
STE	Stepanavan	
STEZ	Stepenevan	
TCHZ	Tchakhmakh	
TSOZ	Tsokhamarg	
VANZ	Vanadzor	
VNNZ	Vanand	
VRNZ	Vardanashen	
VADZ	Vardenis	
VRD	Vardenis	
XTNZ	Xhotanan	
ERE	Yerevan	
STKZ		
Arunachal Pradesh		
ITAN	ITANAGAR	
PASG	PASIGHAT	
TAWA	TAWANG	
ZIRO	ZIRO	
Assam		
DHUB	DHUBRI	
DIBR	DIBRUGARH	
GUWA	GUWAHATI	
JORH	JORHAT	
SILR	SILCHAR	
TEZP	TEZPUR	
Azerbaijan		
ATGJ	Altiaghaj	
ASTR	Astara	
ALIB	Äli-Bayramlı	
BRDA	Ba@14rda@14	
BAK	Baki	
BAU	Ballabur	
GLBA	Ca@14lilabad	
DZB	Cabrayil	
ZHI	Cilov Adasi	
QBL	Gabala	
GALA	Gala	
KRV	Ganja	
GANJ	Ganja	
GDB	GEDABAY	
GOBA	Gobu	
IML	Ismayilli	
ISM	Ismayilli	
ISL	Ismayilll	
KBJ	Kelbejer	
XNQ	Khinaliq	
KDMR	Kurdemir	
LNK	Lankaran	
LKRN	Lenkeran, Azerbaijan	
LRK	Lerik	
LKB	Lokbatan	
MGC	Mingacevir	
MNGR	Mingechevir, Azerbaijan	
NAX	Nakhchivan	
NDR	Nardaran	
NAK	Naxcivan	
PQL	Pirkuli	
PRLS	Pirkuli	
QZX	Qazax, Azerbaijan	
GBS	Qobustan	
KUB	Quba	
QUB	Quba	
QUBA	Quba, Azerbaijan	
QSAR	Qusar	
SAAT	Saatly	
SHKI	Saki	
SHE	Samaxi	
SEKA	Sheki	
SIZA	Siya@14za@14n	
SMGA	Sumqayit	
ZKTA	Zakatala	
ZKT	Zaqatala	
ZRD	Zardab	
Bacan		
LBMI	Labuha	
Bahrain		
BEE	Al Areen	
BBU	Al Budayyi	
BRF	Ar Rifa	
BJA	Jaww	
BMU	Muharraq	
Bali		
RTBI	Rangdo, Negare	
Bangka		
PPBI	Pangkal Pinang	
Bangladesh		
BRDH	Bariadhala	
CHT	Chittagong	
Bawean		
BWJI	Bawean	
Buton		
BBSI	Bau Bau	
BSSI	Bau Bau, Buton	
Chiba		
I30JP	ISUMI INFRASONIC ARRAY REFERENCE POINT	
China		
Beijing		
BJT	Baijiatuau	
PEK	Beijing	BJI
BJI2	Beijing	
BJI	Beijing	
KWNG	Kwanting	
Fujian		
QZH	Quanzhou	
QZN	Quanzhou	QZH
Gansu		
CYEH	Changyeh	
GTA	Gaotai	
LAN	Lanzhou	
LCC	Lanzhou	
LZH	Lanzhou	
TNH	Tianshui	
TUWA	Tungkwan	
WUW	Wuwei	
YUM	Yumen	
Guangdong		
GZH	Guangzhou	
CNT	Guangzhou	GZH
LMC	Lamocks	
Guizhou		
KWA	Guiyang	GYA
GYA	Guiyang	
HXI	Guiyang	GYA
Hainan Dao		
QIZ	Qiongzhong	
Hebei		
TIE	Tianjin	
Heilongjiang		
SUI	Sui-hua	
Hong Kong		
HKCD	Cape D'Aguilar	
CCHK	Cheung Chau	
HKC	Hong Kong Observatory	
HKPS	Hong Kong Po Shan	
HKLI	Keung Shan	
HKLM	Lead Mine Pass	
HKLK	Luk Keng	
HKSL	Siu Lam	
THK	Tsim Bei Tsui	
YHK	Yuen Ng Fan	
Hubei		
ENH	Enshi	
WHN	Wuhan	
WUH	Wuhan	
WUC	Wuhan	WHN
Jiangsu		
NAN	Nanjing	
NJI	Nanjing	NAN
NJ2	Nanjing	
SSE	Sheshan	
ZKW	Sheshan	
ZSC*	Sheshan	
ZSC	Sheshan	
Jilin		
HSK	Changchun	
CNH	Changchun	
CN2	Changchun	
MDJ	Mudanjiang	
Liaoning		
DL2	Dalian	
DAI	Luda	
SNY	Shenyang	
FEN	Shenyang	
YIN	Yingkou	
Macao		
MCO	Coloane	
Nei Monggol Zizhiqu		
BTO	Baotou	
PAO	Baotou	BTO
HIA	Hailar	
HHC	Hu-ho-hao-te	
Ningxia		
YNC	Yinchuan	
Qinghai		
SNN	Xining	
Shaanxi		
TYF	T'ung-yeun Feng	

Code	Station Name	Other
SIA	Xi'an	
SPE	Xi'an	XAN
XAN	Xi'an	
Shandong		
TSN	Qingdao	
TIA	Tai'an	
Shanxi		
TTC	Datong	
LNF	Linfen	
TYN	Taiyuan	
TIY	Taiyuan	
Sichuan		
PEH	Beibei	
CNU	Chengdu	CDU
CDU	Chengdu	
CD2	Chengdu	
Xinjiang Uygur Zizhiqu		
KSH	Kashi	
WMQ	Urumqi	
WUS	Wushi	
Xizang Zizhiqu		
CHUD	Chudeng	
CHUS	Chupsang	
JMAG	Jamag	
LHA	Lhasa	
LSA	Lhasa	
NHIM	Nhimo	
PALB	Palub	
TAGA	Panbu Gunsar	
Yunnan		
KMI	Kunming	
KUN	Kunming	KMI
Cyprus		
AKMC	Akamas	
AKDN	Akdeniz- K˘–br˘–s	
AKIN	Ak˘–nc˘–lar- K˘–br˘–s	
ALFC	Alevga	
EREN	Erenkoy	
FAM	Famagusta	
HSY	Hisarkoy	
KANT	Kantara	
LEF	Lefka	
LFK	Lefkose	
MAGT	Magosa	
MAMC	Mammari	
NIC	Nicosia	
CMET	NICOSIA -NORTH CYPRUS	
PPCY	Paphos	
PHNC	Paralimni	
CSS	Prodhromos	
SZAC	Souni-Zanaja	
East Timor		
DLI	Dili	
Georgia		
ABS	Abastumani	
AKH	Akhalkalaki	
BKR	Bakuriani	
BROG	Barisakho	
BCHG	Becho	
BGD	Bogdanovka	
BOR	Borzhomi	
BGLV	Boslevi	
CHAG	Chala	
CHVG	Ch'k'valeri	
CBRG	Chuberi	
DGRG	David-gareji	
TBLG	Delisi	
DGN	Dgnorisa	
DMNS	Dmanisi	
DUS	Dusheti	
GEG	Gegechkori	
GTS	Gentvishi	
GOR	Gori	
GUDA	Gudauri	
GUDG	Gudauri	
KZR	Kazreti	
KEH	Kehvi	
KHS	Khaishi	
KHEL	Khelvachauri	
KHVA	Khvani	
KYM	Kumisi	
KMSG	Kumisi	
KRYG	Kurzu	
LGD	Lagodekhi	
MAX	Makhata	
MARV	Martvili	
MTIG	Mestia	
MTA	Mtatsminda	
NKK	Na'kalak'ari	
NTS	Ninotsminda	
ONI	Oni	
TI2	Plekhanov	
SBTG	Sabatlo	
SAB	Saberio	
SAMG	Sameba	
SRCG	Sart'ichala	
TIF	T'bilisi	
SEAG	Tbilisi Sea	
TKB	Tkibuli	
TKI	Tkibuli	
TNTG	T'onet'i	
TRLG	T'rialet'i	
ZSH	Tsaishi	
TSE	Tsebel'da	
ZTZ	Tsit'eli Tsqaro	
URAV	Uravi	
VAD	Vardenisi	
VRZG	Vardzia	
VERG	Veris	
VRZT	Veris	
ZUG	Zugdidi	
AMRG		
Greece		
Thessaly		
THL	Klokotos Trikala	
India		
Andaman Islands		
CMBY	CAMPBELL BAY	
DGPR	DIGLIPUR	
PBA	Port Blair	
Andhra Pradesh		
ADKI	Addanki	
CHLP	Challavanipeta	
HYB	Hyderabad	
HYD	Hyderabad	
HYBB	Hyderabad (broadband)	
KGD	Kothagudem	
NJS	Nagarjunasagar	
NLG	Nalgonda	
RPR	Rampur	
URV	Uravakonda	
VJD	Vijayawada	
VISK	Vishakhapatnam	VIS
VIS	Vishakhapatnam	
VIZ	Vizianagram	
WGL	Warangal	
Arunachal Pradesh		
BMI	Bomdila	
INR	Itanagar	
KOI	Khonsa	
Assam		
NGJA	Assam	
BKOA	Assam	
GWH	Guwahati	
HLGA	Haflong	
HMNA	Hamren	
JHI	Jorhat	
KZI	Kaziranga	
LKP	Lekhapani	
PNBI	Panbari	
TZR	Tezpur	
TOC	Tocklai	
YYI	Yaongyimsen	
Bihar		
BOKR	Bokaro	BOK
BOK	Bokaro	
SHBG	Sahibganj	
Delhi		
AYAN	Aya Nagar	
LDR	Lodi Road	
NDI	New Delhi	
SONA	Sohna	
Goa, Daman and Diu		
DHD	Dharwar	
GOA	Goa	
Gujarat		
BHV	Bhavnagar	
BHJ	Bhuj	
BHUJ	Bhuj	BHJ
Haryana		
BHGR	Bahadurgarh	
KUDL	Kundal	
KKR	Kurukshetra	
RTK	Rohtak	
ROH	Rohtak	
Himachal Pradesh		
CKA	Chakrata	
DLH	Dalhousie	
DHDN	Dehradun	
DHRM	DHARAMSHALA	
GKD	Gaurikund	
GTU	Guttu	
JWA	Jwalamukhi	
JWL	Jwalamukhi	
KLP	Kalpa	
KSLI	Kharsali	
KOTI	Kothi	
KKHI	Kotkhai	
NHN	Nahan	
NURP	Nurpur	
SMI	Simla	
SMLA	Simla	
SDNR	Sundarnagar	
TPVN	Tapovan	
THN	Thein Dam	
CUD	Cuddapah	
UMI	India	
JOSI	Joshimath	
LGTI	Lohaghat	
PONG	Pong	
SLGI	Shiliguri	
VLK	Valmikinagar	
Jammu and Kashmir		
JMU	Jammu	
JYP	Jyotipuram	
RMBN	Ramban	
SRNI	Srinagar	
UDP	Udhampur	
Karnataka		
GBA	Gauribidanur Array	
KGF	KGF	
MNGI	Mangalore	
Kerala		
TRD	Trivandrum	
TRVM	Trivandrum	TRD
Laccadive Islands		
MNCI	Minicoy	
MNCY	Minicoy	
Madhya Pradesh		
BHPL	Bhopal	
BLSP	Bilaspur	
BLPI	Bilaspur	
JBP	Jabalpur	
REW	REWA	
SEH	Sehore	
Maharashtra		
AKL	Akola	
BOM	Bombay	
GOV	Govalcot	
KAD	Karad	
KARD	Karad	
KOLH	KOLHAPUR, MAHARASTRA	
KNI	Koyna Nagar	
LATR	Latur	
MAH	Mahableshwar	
NGP	Nagpur	
POO	Poona	
PUNE	Pune	
STA	Satara	
Manipur		
IMP	Imphal	
MUM	Manipur University	
Meghalaya		
NGNA	Nongstoin	
SHIO	Shillong	SHL
SHL	Shillong	
TURI	Tura	
DWK		
Mizoram		
AZL	Aizawl	
Nagaland		
BHDI	Bhandari	
CHKI	Chanki	
KHM	Kohima	
KGNI	Kongan	
Orissa		
BWNR	Bhubaneshwar	
Punjab		
BHK	Bhakra	
MUK	Mukerian	
Rajasthan		
AJM	Ajmer	
AJMR	Ajmer	AJM
JASL	Jaisalmer	
KHET	Khetri	
Sikkim		
GTK	Gangtok	
Tamil Nadu		
MDRS	Chennai	
KRKL	Karaikal	
KOD	Kodaikanal	
MDR	Madras	
SALM	Salem	
Tripura		
AGT	Agartala	
Uttar Pradesh		
ABI	ADIBADRI	
AGR	Agra	
AGRA	Agra	
ALBI	Allahabad	
ASOR	Ausora	
BRCI	Bahraich	
BISR	Bishrakh	
DDI	Dehra Dun	
DBND	Deoband	
GARI	Garurganga	
JHNI	Jhansi	
KALG	Kalgarh	
MEE	Meerut	
PLMI	Pala-Maneri	
PTH	Pithoragarh	
RTUL	Rataul	
SNP	Sonepat	
VAR	Varanasi	
WIHG	Wadia Institute--Dehra Dun	
West Bengal		
CAL	Calcutta	
HOW	Howrah	
Indonesia		
Ambon		
AAI	Ambon	
AMO	Ambon	
NLAI	Namlea	
Asia		
BATI	Baumata	
Bali		
DNP	Denpasar	
IGBI	Denpasar	
INGI	Ingas	
JEHI	Jehsanih	
KHKI	Kahang-Kahang	
KELI	Kelakatan	
NBBI	Negara	
RANI	Rangndo	
RATI	Rata	
SRBI	Singaraja	
THRI	Tanaharon	
Borneo		
KBKI	Kotabaru	
Flores		
EDFI	Ende, Flores	
LBFI	Labuhan Bajo, Sumatra	
MMRI	Maumere	
MHIT	MHIT	
RUTI	Ruteng	
Irian Jaya		
BAKI	Biak	
FAKI	Fak Fak	
GENI	Genyem	
JAY	Jayapura	
KMPI	Kaimana, Papua	
MWPI	Manokwari, Papua	
MENI	Mendum Tagoi	
MMPI	Merauke	
NABI	Nabire	
RKPI	Ransiki, Papua	
SMPI	Sarmi	
SIJI	Sorong	
SWI	Sorong	
TLE	Tual	
WAMI	Wamena	
YOMI	Yo Moklole	
Jawa		
ABJI	Asem Bagus	
BND	Bandung	
BJII	Banjamegara	
BLJI	Banyuglugur	
BYJI	Banyuwangi	
CGJI	Cibinong	
CNJI	Cibinong	
CLJI	Cilicap	
CMJI	Cimerak	
CISI	Cisompet, Garut	
CBJI	Citeko	
DBJI	Dramaga	
GED	Gedeh	
GRJI	Gresik	
GMJI	Gumukmas	
JAGI	Jajag, Banyuwangi	
DJA	Jakarta	
JMBI	JAMBI	
JCJI	Jatiwangi	
KMMI	Kalianget	
KALI	Kaliastana	
KRKI	Karangkates	
KPJI	Karang Pucung	
KIJ	Kawah Idjen	
KEL	Kelud	
LEM	Lembang	
MLB	Malabar	
MAJ	Maron	
MRP	Merapi	
NGJI	Ngawi	
PCJI	Pacitan	
PWJI	Pagerwojo	
PACI	Pancar Gunung	
PASI	Pasiripis	
PULI	Pulasari	
SJI	Sawahan	
SRDI	Scrawed	
SMRI	Semarang	
SMR	Semeru Mts	KEL
SBJI	Serang	
SINI	Singah	
SKJI	Sukabumi	
TBJI	Tambak Boyo	
TNG	Tangerang	
TPJ	Tangkuban Prahu	
TGJI	Tegal	
TRT	Tretes	
UWJI	Ujung Watu	
UGM	Wanagama	
WOJI	Wonogiri, Jawa	
YOGI	Yogyakarta	
Kalimantan		
BKB	Balikpapan	
BKB2	Balikpapan	
BBKI	Banjar Baru	
MTKI	Muara Teweh, Kalimantan	
PLKI	Palangkaraya	
PBKI	Pangkalan Bun	
PTKI	Pontianak	
SMKI	Samarinda	
SGKI	Sangatta, Kalimantan	
STKI	Sintang	
TARAI	Tarakan	
Lombok		
KEDI	Kedomdong	
MTNI	Mataram	
Moluccas		
BNDI	Bandanaira	
GAMI	Galela, Maluku	
GTOI	Gorontalo	
MSAI	Masohi	
SANI	Sanana	
SLKI	Saumlaki	
SAUI	Saumlaki	
TNE	Ternate	
TNTI	Ternate	
Nias		
GSI	Gunungsitoli	
Sulawesi		
APSI	Ampana	
BNSI	Bone	
BKSI	Bulukumba	
BUNI	Buntu Taipa	
BTNI	Buton	
KMSI	Cibinong	
KAPI	Kappang	
KPNG	Kappang	
KDI	Kendari	
KKSI	Kolaka, Sulawesi	
LUWI	Luwuk	
MJSI	Majene	
MKS	Makassar	
MMSI	Mamuju	
MNI	Manado	
MPSI	Mapaga	
MRSI	Marisa	
MSSI	Masamba	
NINI	Niniconang	
PCI	Palu	
SPSI	Sidrap Palu	
SKSI	Soroako, Sulawesi	
TTSI	Tana Toraja	
TANI	Tanete Lipujang	
TOLI	Toli-Toli	
Sumatera		
AEKI	Aeknabara	
BSI	Banda Aceh	
BLSI	Bandar Lampung	
BKNI	Bangkinang	
BGI	Bengkulu	
EGSI	Enggano, Bengkulu	
HUTI	Huta Ginjang	
KSI	Kapahiang	
KRJI	Kerinci	
KKD	Korintji-Dempo	
KASI	Kota Agung	
KLI	Kotabumi	
KCSI	Kotacane, Aceh	
LHSI	Lahat	
LARI	Lau Rambong	
LHMI	Lhok Sumawe	
LWLI	Liwa	
MNSI	Mandailing Natal	
MNAI	Manna	
MRPI	Mariponipon	
MARI	Martimbang	
MASI	Maura Aman, Bengkulu	
MDSI	Maura Dua	
MBSI	MBSI	
MED	Medan	
PDSI	Padang	
PPI	Padang Panjang	
PMBI	Palembang	
PCBI	Pancar Batu	
PENI	Pendagan	
PSI	Prapat	
PBSI	Pulau Batu	
PPSI	Pulau Pagai	
PWS	Pulau-Weh	
RBSI	Rajabasa	
RPSI	Rantau Prapat	
RGRI	Rengat	
SISI	Saibi	
SEMI	Semponon	
SIBI	Sibayak Dolok	
SBSI	Sibolga	
SIMI	Simarbalatuk	
SNSI	Sinabang, Aceh	
SLS	Soengei Langka	
SDSI	Sungai Dareh	
TLN	Talang	
TPI	Tanjungpandan	
TPRI	Tanjung Pinang	
TRSI	Tarutung	
TSI	Tuntungan	
TPTI		
KLSI		
Sumba		
BASI	Baing, Sumba	
BMNI	Bima	
TWSI	Taliwang, Sumbawa	
WBSI	Waikabubak, Sumba	
WSI	Waingapu	
Timor		
BWTI	Baumata	
KUG	Kupang	
KUP	Kupang	
KUPT	Kupang	KUG
SOEI	Soe	

Iran
IAFJ Afjeh
HAGD Aghdareh
AHBU AHRAM
AHWZ Ahwaz
IAKL Akhelmad
IALA Alasht
ALIA Aliabad
ANAR Anarak
IAND Andimeshk
IANJ Anjilo
ASAO Ashtian
IAZR Azarshahr
IBAF Bafgh
IBND Bandar-abas
BNDS Bandar-Abbas
BIRU Birjand
BJRD Bojnu@18rd
BJMA Bojnurd
IBST Bostanabad
IBZA Bozab
IBRJ Brojen
CHBR Chabahar
CHTH Charan
ICHK Chekchek
CHMN Cheshme madani
IDAH Dahanechah
DAMV Damavand
IDMV Damavand
SCNT Darkhovein
IDSA Dashabbas
IDHR Dehrash
IDOB Doab
IEMG Emamgholi
IFTB Fath-abad
IFIR Firoozkooh
GENO Geno
GRMI Germi
IGHG Ghaleghazi
IGLO Ghaloghah
QAM Ghamsar
IGAR Gharneh
IGZV Ghazvin
GHIR Ghir-Karzin
GHVR GHOM
GNKF Gonabad
IHSB Hasanabad
IHSH Hashtrud
IHRS Heris
IHOS Hoseineyeh
IR1 Iran Long-Period Array
IR2 Iran Long-Period Array
IR4 Iran Long-Period Array
IR6 Iran Long-Period Array
IR7 Iran Long-Period Array
IR5 Iran Long-Period Array
IR3 Iran Long-Period Array
IRSH Iranshahr
JHBN Jahan bin
JHRM Jahrom
IKFM Kafar-mosalman
KHI Kakhk
IKMR Kamar-syah
IKRD Kardeh
IKAZ Kazeroun
KRBR Kerman
KRBA Kerman
KER Kermanshah
ADB khalkal
IKAR Kharkheh
SKHZ Khezeriat
KHMZ Khomeyn
IKIA Kiasar
KHSK Kohestak
KHGB Koh Gabri
HKZM Kohzaman
IKLH Kolahrood
KLNJ Kolanjah
IKOM Komasi
TKDS Koohdasht(Tabas)
IKOO Kooshah
ILAS Lasjerd
ILIN Lien
IMAH Mahabad
IMHD Mahdasht
MAKU Maku
IMRD Marand
MRVT Maraveh tapeh
SMRD Mared
MHI Mashad MAIO
ISRO Mashad
MSH Mashhad
MAIO Mashhad (SRO)
MUI Mashhad University
MSHA Masjed Soleyman
IMEH Mehriz
IMYA Miami
MISD Mianeh
IMIN Minoodasht
IMND Minoodasht
IMOG Moghan
SMGT Moghavemat
IMON Monand
IMOK Mouk
NASN Na'in
TNSJ Nastanj
NGRK Negar Kerman
NIAN Nian
NOSH Now Shahr
IPAR Pars
TPRV Parvadeh(Tabas)
IPAY Payeh
IPRN Peran
IPIR Pirpir
IQOM Qom
IQHU Qucahn
RFDD Rafsanjan
IRAM Ramesheh
RMKL Ramhormoz
IRAZ Razeghan
RKHB Rokh Bas
ISAD Sadrabad
HSAM Samen
SNGE Sanandaj
ISRB Sarab
SRMB Sarakhs
ISRV Sarvestan
SRI Sefi@18d Ru@18d
SEF Sefi@18d Ru@18d SRI
ISFB Sefidab
SMAV Semnan-Aivanekay
ISFR Sfrayin
SHD Sha@18hru@18d
ISHB Shabestar
SSHG Shadegan
ISHM Shahmirzad
SHRT Shahrakht
ISHR Shahran
SHRO Shahrood
SHI Shiraz
ISHV Shirvan
SHGR Shooshtar-Gavsavar
ISHO Shoshtar
SHGO Shushtar
TABS Tabas
TAB Tabri@18z
ITBZ Tabriz
TGI Taghi Ghambar
THR Tehra@18n
TEH Tehran
THKV Tehran--Karaj
ITEG Tejag
TVBK TV Kerman
IVRN Varamin
IVIS Veis
ZHSF Zahedan
ZNGN Zangian
ZNJK Zanja@18n
IZEF Zefreh

Iraq
IBDR Badra
BHD Baghdad
BSR Basra
IKRK Kirkuk
MSL Mosul
NSR Nassriya
RTB Rutbah
SLY Sulaymaniyah

Israel
ADI Adamit
AMAZ Amatzia
AMZI Amatzia
ARVI 'Arava Valley
ATR1 Atar 1
BGIO Bar Giyyora
BTI Bat Shelomo
GVI Bet Guvrin
BLGI Bet Lehem HaGelilit
BRNI Bet Oren
BSO Bsor
DSI Dead Sea
DSD2 Dead Sea Dam 2
DIMI Dimona
DOR Dorot
DRGI Dragot
ENGI Ein Gedi
EIL Elat
GVMR Giv'at Hamore
GLH Golan-Tel Qazir
HAF Haifa
HNTI Hanita
HLZ Helez
JNI Jehonathan
JER Jerusalem
JVI Jordan Valley
KMTI Karmit
KSDI Kefar Szold
KERI Keren
KSHT Keshet
HRSH Kfar Ka'horesh
KZIT Kziot
NOH Ma'ale Noah
MKT Machtesh Katan
MNFI Manof
MZBI Masada
MSDA Masada
MZDA Masada
MASH Mash'abbe Sade
MAMI Mei-Ami
ASI Mount Amassa
ATZ Mount Atzmon
MBH Mount Berech
CRI Mount Carmel
MGI Mount Gilboa
HRFI Mount Harif
HRI Mount Hermon
MMLI Mount Malkishua
MML Mount Malkishua
MMR Mount Meron
MNRI Mount Meron
MRNI Mount Meron
MMB1 Mount Meron array
MMA3 Mount Meron array
MMA0B Mount Meron array
MMC2 Mount Meron array
MMC3 Mount Meron array
MMC7 Mount Meron array
MMA1 Mount Meron array
MMC6 Mount Meron array
MMB3 Mount Meron array
MMA2 Mount Meron array
MMC4 Mount Meron array
MMA0 Mount Meron array
MMA4 Mount Meron array
MMC5 Mount Meron array
MMB2 Mount Meron array
MMC1 Mount Meron array
MMB4 Mount Meron array
MMAI Mount Meron Array Beam Reference Point
MOI Mount Montar
RMN Mount Ramon
RMNI Mount Ramon
MSM Mount Sar Shalom
SDOM Mount Sodom
MYI Mount Yahel
YASH Mount Yoash
MBRI Mt Berech
HMDT Nahal Hemdat
OFRI 'Ofer
PRNI Paran
KRMI Paran Flat
PARD Parod
RTMI Retamim
RTMM Retamin
RVVM Revivim
REVI Revivim
SAGI Saggi Highlands
SLTI Sal'it
SZAF Shezaf
SVTA Shivta
YTIR Yattir
ZNH Zanoah
SAF Zefat
ZFRI Zfri
ZNT Zur Nathan

Jammu and Kashmir
MUZF Muzaffarabad

Japan
Abashiri
ABJ Abashiri
ABJ2 Abashiri 2
JTKR Abashiri--Tokoro
JAK Akkeshi
KNP Kunneppu
JMP Maruseppu
Aichi
JAA Atsumi
CHTJ Chita
INU Inuyama
MIKN Mikawa
NAG Nagoya
SYJ Shimoyama
TYH Toyohashi
TYNN Toyone
Akita
AKI Akita
AKI1 Akita
AKIJ Akita 2
KOMT Akitakoma
FUT Futatsui
JAH Hinai
HJY Honjo HJH
HJH Honjo
NIB Nibetsu
JOG Oga
OGH Oga
JOG2 Oga 2
TBS Tobishima
TOBT Tobi-shima
YOKT Yokooka
JYW Yuwa
Aomori
AOM Aomori
AOM1 Aomori
AOMJ Aomori 2
AOM3 Aomori 3
DAKH Dake
GNK Ganki
HAC Hachinohe
HACJ Hachinohe 2
HATH Hata
HRD Hirodai
IZMH Iizume
JIW Iwasaki
KZW Kaizawa
JANG Nango
JOT Ohata
JSI Shiura
JSI2 Shiura 2
TNB Tanabu
JTM Tenmabayashi
YAY Yayoi
Bonin Islands
CBI Chichi jima
CBIJ Chichi jima
TTZ Chichi shima
HJJ Hachijo jima
JHJ Hachijo jima 2
JHCJ Hachijojimakashitate
JHHJ Haha-jima-NKT
YUO Iwo jima
JKO Kozu shima
JHJ2 Mitsune
MKJ Miyake jima
JMY Miyakejima3
NJJ Nii jima
NJJJ Nii jima 2
OGS Ogasawara
OSH Oshima
OSHJ Oshima
JIM O shima 2
JIM2 Oshima 3
TOR Tori shima
Chiba
COJ Choshi
CHO Chosi
CHOJ Chosi
CHO1 Chosi
ICH Ichihara
INB Inubo
IWJ Iwai-Kita
KTR Katsuura
KIY Kiyosumi
KYS Kiyosumi
TMS Mera
MNJ Mineoka
JCN Nagara
SKU Sakura
SMJ Shimohsa
TAT Tateyama
TYM Tateyama
TATJ Tateyama 2
TOG Togane
YKI Yokaichiba
Ehime
MTY Matsuyama
JNA Nagahama
NHM Niihama
JET Tanbara
UWA Uwa jima
UWA2 Uwa jima 2
Fukui
FUK Fukui
FKJD Fukui
HKJ Hokoriku
IMJ Imajo
KADD Katsuyama
KAJD Katsuyama
MHJ Mihama
SGJ Sugihashi
TSR Tsuruga
TSRJ Tsuruga
Fukuoka
JFA Akaike
AKM Akama
FKK Fukuoka
IZK Iizuka
JFI Itaya
Fukushima
AID Aizu
FKS Fukushima
JHK Hiroka
IWK Iwaki
ONAJ Iwakimizuishiyama
KNY Kanayama
JFK Kawauchi
MAKT Makukawa
ONA Onahama
JFT Otama
SHR Shirakawa
SHRJ Shirakawa 2
JFY Yanaizu
Gifu
AMJ Amo
GIF Gifu
ITD Itadori
KTJD Kamitakara
JGF Kuroka
KHJ Kushihara
MZE Maze
JGM Miyama
JGN Niukaw
JAO Obara
OHRN Oohira
SMJD Shimonomoto
SPJN Shinpukuji
SRJD Shirakawa
SRJ Sugihara
TKN Takane
TAKN Takayama
TKY Takayama
TKZ Takazawasan
TKJD Tokuyama
TKC Tsukechi
YKE Yakedake
Gumma
JGK Kuni
MAE Maebashi
MAEJ Maebashi 2
ODSE Onioshidashi
Hidaka
JBT Biratori
JBT2 Biratori 2
JEM Erimo
ERM Erimo
HIC Hidaka-Cho
KMU Kamikineusu
MSN Misono
MUJ Mitsuishi
URA Urakawa
URAJ Urakawa 2
URA3 Urakawa 3
JNBK Urakawa-nobuka
Hiroshima
HIR Hiroshima
HIR1 Hiroshima
HIRJ Hiroshima 2
JJG Jouge
JHM Kurahashi
KRE Kure
KUT Kutsugahara
MKW Mikawa
NKR Nakanohara
JHS Saijyo
SHK Shiraki
JHT Toyohira
UZT Uzuto
Hiyama
JHY Hiyama
IMG Imagane
KKJ Kaminokuni
OKS Okushiri
JOSM Okushiri--Matsue
JOR Okushj
JSH Shimam
JSR Shiriuchi
Hokkaido
HRK Horoka
IWN Iwanai
Honshu
BSO1 Boso 1
BSO2 Boso 2
BSO3 Boso 3
BSO4 Boso 4
Hyogo
JAJ Awaji shima
HMTD Hikami
HIM Himeji
IZT Izumi
KZT Kanzaki
JKS Kasai
JKSM Kasumi
KOB Kobe
KBE Kobe
JMT Mikata
MZT Mikazuki
JMIK Miki
OYT Oya 1
OYT2 Oya 2
RKO Rokko
SNZ Senzan
SUM Sumoto
TTOK Tanto
TYK Toyo'oka
JAJ2 Tsuna
TNAK Tsuna
YZT Yamasaki
YST Yumesaki
Ibaraki
KAK Kakioka
KAKJ Kakioka Outpost
MIT Mito
MRJ Moriya
MTJ Mount Tsukuba TSK
OKI Okijuku
TSK Tsukuba
JYT Yasato
Iburi
GENH Genta-Ana
HORH Horominai
NRMH Kita-Gairin
KITH Kitausu
KONH Konpirayama
MATH Matsumotoyama
SRMH Minami-Gairin
MITH Mitoyo
MRR Muroran
MRRJ Muroran 2
JNB Noboribetsu

Code	Station Name	Other
OHD	Ohdaira	
SHOH	Showa-Shinzan	
TATH	Tatsuka	
TMR	Tomakomai	
UVO	Usu Kazan Kan	
Ishikari		
JEW	Eniwo	
HSS	Hokkaido University	
SAP	Sapporo	
Ishikawa		
JJH	Hakui	
JHG	Hegura jima	
HRJ	Horyu	
JKG	Kaga	
KAN	Kanazawa	
KANJ	Kanazawa	
KAN2	Kanazawa 2	
KMJD	Komatsu	
KMD	Komatsu	
JSZ	Suzu	
WAJ	Wa jima	
Iwate		
K06	Arakawa	
K11	Fujikirizawa	
HSH	Hashikami	
HMK	Himekami	
JMK	Ichinoseki	
IMAT	Imadeyama	
K05	Ishipane	
KGJ	Kitakami	
K12	Koide	
K04	Kokoji	
K07	Kotohata	
JKZ	Kuzumaki	
MIY	Miyako	
MKO	Miyako	
MIYJ	Miyakonagasawa	
MIW	Mizusawa	MIZ
MIZ	Mizusawa	
K08	Monomi-yama	
MRK	Morioka	
MRKJ	Morioka 2	
K01	Nishinai	
OFU	Ofunato	
OFUJ	Ofunato	
JOM	Ohasama	
K09	Ooide	
K10	Oonodaira	
JRG	Rokugo	
SNI	Sanriku	
SAH	Sawauchi	
K03	Shimotochinai	
JTH	Tanohata	
K02	Yamasaki	
KDT	Kodera	
JNIO	Niijimaoohara	
TTO1	TONANKAI O.B.S1	
TTO2	TONANKAI O.B.S2	
TTO3	TONANKAI O.B.S3	
TTO4	TONANKAI O.B.S4	
TTO5	TONANKAI O.B.S5	
Kagawa		
JJS	Sakaide	
TAD	Tadotsu	
TKM	Takamatsu	
Kagoshima		
FURD	Furusato	
GON	Gongen	
HIKD	Hikinohira	
KAG	Kagoshima	
KAGJ	Kagoshima 2	
KV01	Kirishima Volcano	
KITD	Kitadake	
KOID	Koike	
NABD	Nabeyama	
NOJ	Nojiri	
JZO	Okuchi	
KV05	Oonami East	
KV03	Oonami West	
JSJ	Shimokoshiki	
SHRD	Shirahama	
KV12	Sinyu	
JSU	Suzuyama	
KV11	Takachiho West	
JTSR	Tashiro 2	
YOSD	Yoshimatsu	
YSM	Yoshimatsu	
Kamikawa		
AIB	Aibetsu	
ASA	Asahikawa	
ASAJ	Asahikawa	
JFR	Furan	
JKK2	Kamakawa 2	
JKK	Kamikawa	
JKA	Kamikawa-asahi	
Kanagawa		
KMK	Kamakura	
HRM	Kawasaki	
ASG	Minamiashigara	
MSK	Misaki	
JOD	Odawara	
JOD2	Odawara 2	
OYM	Oyama	
SRY	Shiroyama	
TKE	Take-yama	
YOK	Yokohama	
JYO	Yokosk	
YSK	Yokosuka	
Kochi		
AOU	Aou	
ASZ	Ashizuri	
IHR	Ishihara	
KOC	Kochi	
JKU	Kubokawa	
JMN	Monobe	
MRT	Murotomisaki	
MRMJ	Muroto Misaki	
MRT2	Murotomisaki 2	
SHM	Shimizu	
JTO	Tosashimizu	
URS	Ugurusu	
UMJ	Umaji	
WMY	Wakamiya	
Kumamoto		
ASO	Aso	
ASJ	Aso san	
JBEP	Beppuamama	
JHD	Hondo	
HONK	Hondo	
JIU	Izumi	
JIU2	Izumi 2	
KISK	Kishima-dake	
KUM	Kumamoto	
KUMJ	Kumamoto 2	
MAKK	Maki	
SUNK	Sunasenri	
TAKK	Taka-dake	
JTA	Tamana	
Kushiro		
AKK	Akkeshi	
JAR	Ashorobuto	
KUSJ	Kushiro	
KSUJ	Kushiro	KUSJ
KUS	Kushiro	
JOB	Onbets	
TES	Teshikaga	
Kyoto		
KMM	Kamigamo	
KGMK	Kamigamo	
KHK	Keihoku	
KYO	Kyoto	
MAI	Maizuru	
MZH	Maizuru	
MZH2	Maizuru 2	
JFM	Mihama	
MYD	Miyazu	
SZG	Shizugawa	
TNJ	Tannan	
UJI	Uji	
JWT	Wachi	
JKY	Yasaka	
Marcus Island		
MCS	Marcus Island	
MCSJ	Minami-tori-shima	
Mie		
GOZ	Gozaisho	
GZS	Gozaisho	GOZ
INA	Iinan	
ISE	Ise	
JIE	Ise	
IWO	Iwaosan	
KAM	Kameyama	
KMYN	Kameyama	
JKN	Kiinagashima	
JKN2	Miekihoku	
OWA	Owase	
TSU	Tsu	
TSU1	Tsu	
TSUJ	Tsu 2	
UGK	Ugakei	
Miyagi		
AOB	Aobayama	
ISN	Ishinomaki	
KMF	Kamafusa	
KWT	Kawatabi	
KSN	Kinkasan	
JMM	Marumori	
JIO	Ouri	
SEN	Sendai	
TUY	Tsuyama	
Miyazaki		
JMH	Hososhima	
KV02	Kamimonzen	
KV06	Karakunidake	
JKJ	Kijyo	
JKIT	Kitakata	
KV04	Kurino-dake	
JJK	Kushima	
JNAR	Kushima--Naru	
MYZ	Miyazaki	
MYZ2	Miyazaki 2	
NOB	Nobeoka	
KV09	Okamoto-Ura	
JTZ	Takazaki	
JTSN	Tsuno	
KV91	Ura	
Nagano		
AVOE	Asama Observatory	
ASM	Asama Yama	
GPY	Gippayama	
HSJ	Hoshina	
HTK	Hotokeiwa	
HZA	Huzimizaka	
IID	Iida	
IJDJ	Iida	IIDJ
IIDJ	Iida	
IKJ	Ikusaka	
KRJ	Kamimuroga	
KAZ	Karuizawa	
KRZ	Karuizawa	KAZ
KSJ	Kashima	
KMGE	Kuromamegawa	
MJ00	Matshushiro Site	
MJA0	Matsu Arr-Jizo	
MJB3	Matsu-Daira	
MJB8	Matsu-Inaba	
MJB6	Matsu-Irikaruiz	
MJA4	Matsu-Jizotouge	
MTM	Matsumoto	
MTMJ	Matsumoto	
MJB4	Matsu-Nakagumi	
MJA2	Matsu-Nakaone	
MAJO	Matsushiro	
MAT	Matsushiro	
MJAR	Matsushiro Array Beam Reference Point	
MAT0	Matsushiro Array Site 0	
MJ01	Matsushiro Array Site 1	
MJ02	Matsushiro Array Site 2	
MJ03	Matsushiro Array Site 4	
MJ04	Matsushiro Array Site 4	
MJ05	Matsushiro Array Site 5	
MJ06	Matsushiro Array Site 6	
MJA3	Matsu-Soehiyama	
MJB2	Matsu-Sugadaira	
MJB1	Matsu-Takimoto	
MJA1	Matsu-Toyosaka	
MJB9	Matsu-Tunnel	
MJB7	Matsu-Wadaira	
MJB5	Matsu-Yatsubo	
NGN	Nagano	
NGJ	Na-gawa	
NNJ	Nakano	
NSW	Nakanosawa	
JNG	Nsakai	
OMJ	Ohmine	
OIW	Oiwake	
OOS	Ooshika	
SDJ	Sanada	
STRE	Sannotorii	
SSZ	Sekisonzan	
SHZE	Shinhuzimiza	
SSJ	Shinshu-shinm'i	
JNY	Yasuok	
Nagasaki		
CJA	Chijiwa	
FKJ	Fukue	
JFU	Fukue jima 2	
JII	Iki	
IZU	Izuhara	
IZUJ	Izuhara	
IZU2	Izuhara 2	
NGS	Nagasaki	
NGSJ	Nagasakinomozaki	
SWAJ	Obama	
SHV	Shimbara	
TOM	Tomie	
JTU	Tsushima	
UNZ	Unzen dake	
JUR	Ureshino	
Nara		
HBR	Haibara	
JHE	Heguri	
NAR	Nara	
SRT	Sarutani	
YAG	Yagi	
Nemuro		
JNK	Nakash	
NEM	Nemuro	
NEM2	Nemuro 2	
NMR	Nemuro--Hokkaido University	
JRA	Rausu	
Niigata		
AIK	Aikawa	
JAW	Awa shima	
ITGE	Itoigawa	
JIZZ	Izumozaki	
KZJ	Kashiwa-zaki	
KZK	Kashiwa-zaki	
JJN	Nakama	
NII	Niigata	
NIIJ	Niigata 2	
NOUE	Nou	
JSD	Sado	
JNS	Sasagawa	
SBH	Shibata	
TKJ	Takada	
TKD	Takada	
YHKE	Yahiko	
YNT	Yunotani	
YZU	Yuzawa	
Oita		
BEP	Beppu	
JKI	Kunimi	
JNU	Nakatsue	
OIT	Oita	
OIT2	Oita 2	
JUS	Usuki	
Okayama		
JAD	Aida	
OKA	Okayama	
OKA1	Okayama	
OKA2	Okayama 2	
Osaka		
ABU	Abuyama	
KAJ	Kashiwara	
KTNK	Katano	
MYO	Myokensan	
OSA	Osaka	
OSK	Osaka	
TKU	Takayasuyama	OSK
O shima		
ESH	Esan	
HAK	Hakodate	
HAKJ	Hakodate 2	
JKB	Kayabe	
MOR	Mori	
JYM	Yakumo	
JYM2	Yakumo 2	
Rumoi		
HAB	Haboro	
RMJ	Rumoi	
JSS	Shosan	
TOI	Tomamai	
JYG	Yagishiri	
Ryukyu Islands		
JAGN	Aguni-jima	
JAMN	Amaminishikomi	
JAM	Amami Oshima	
JOGS	Gusukube	
HATJ	Hateruma jima	
JIH	Iheya	
JIKM	Ikemajima	
JIRB	Irabujima	
IRI	Irimote jima	
IRIF	Iriomote-Funauki	
ISI	Ishigaki jima	
JIJ	Ishigaki jima 2	
JISG	Ishigakijimahirakubo	
JZK	Kikaishima	
JKC	Kuchinoerabu	
KMJ	Kume jima	
JKE	Kume jima 2	
JOW	Kunigami	
JKRS	Kuro-shima	
MWS	Mawashi	
JMZ	Minamidaito 2	
MVI	Minamidaito jima	
JMJ	Miyako jima 2	
MYK	Miyako zima	
NAGO	Nago	
NGO	Nago	
NGO1	Nago	
JNTH	Nagotoyohara	
NAH	Naha	
NAH1	Naha	
JNN	Nakanoshima	
NKE	Nake	
NZJ	Naze	
JOKE	Okinoerabujima	
JTAJ	Takarajima	
JJT	Tamagu	
JJT2	Tamagusuku 2	
TAJ	Tanegashima	
TAJ2	Tanegashima 2	
JTN	Tanegashima 3	
JTJ	Tarama	
JTK	Tokunoshima	
YKS	Yaku shima	
JYAK	Yakushimahirauchi	
YOJ	Yonaguni jima	
JYJ	Yonaguni jima 2	
JYNG	Yonagunijimakubura	
Saga		
SAG	Saga	
Saitama		
CHJJ	Chichibu	
CHJ	Chichibu	
DDR	Dodaira	
JHU	Hanno	
IWT	Iwatsuki	
KOM	Komaba	
KMG	Kumagaya	
JRY	Ryogami san	
Shiga		
AM1	Amasugawa 1	
AM2	Amasugawa 2	
AZJ	Azai	
BHOK	Bomura	
JEG	Eigenji	
HIK	Hikone	
IBU	Ibuki Yama	
KNJD	Kanaihara	
KWJ	Kawai	
OHM	Omihachiman	
ORJ	Oura	
JTG	Taga	
Shimane		
FUB	Fube	
JGT	Gotsu	
HMD	Hamada	
JHIK	Hikimi	
JNM	Ikuma	
JMD	Masuda	
MTS	Matsue	
JJO	Oda	
SAI	Saigo	
Shiribeshi		
AHS	Asahigawa	
NKS	Nakayama Pass	
JSK	Shakotan	
SUT1	Suttsu	
SUT	Suttsu	
Shizuoka		
AJI	Ajiro2	
GTN	Gotemba	
JHMK	Hamakita	
HMM	Hamamatsu	
HMMJ	Hamamatsu 2	
HEDN	Heda	
HDAN	Heda	
HRG	Hirogawara	
ITO	Ito	
JIZS	Izushimoda	
KGW	Kakegawa	
JKKG	Kakegawa	
KTJ	Kamata	
KTJJ	Kamata 2	
KWZ	Kawazu	
KOY	Koyama	
MIZN	Minamiizu	
MSKJ	Misakubo	
MIS	Mishima	
MZI	Mizumiiro	
NGT	Nagatsuro	
NRME	Naramoto	
NGHE	Neginohata	
NRY	Nirayama	
NSI	Nishiizu	
NUM	Numazu	
OKB	Okabe	
OKN	Okuno	
OMA	Omae zaki	
SGRN	Sagara	
JSG	Sagara	
SGMN	Shimogamo	
SMK	Shimokamo	
SHZ	Shizuoka	
SHZJ	Shizuoka 2	
SHZ3	Shizuoka 3	
SUS	Susaki	
TNRJ	Tenryu	
TK01	Tokai 1	
TK02	Tokai 2	
TK03	Tokai 3	
TK04	Tokai 4	
YOS	Yoshiwara	
JYZW	Yoshizawa	
Sorachi		
JAB	Ashibetsu	
JHR	Hokuryu	
Soya		
JWK2	Keihoku	
JRR	Rishiri	
JSE	Soyaes	
JWK	Wakkake-Misaki	
WAKJ	Wakkanai	
WAK	Wakkanai	
Tochigi		
JAG	Ashikaga	
JHO	Hitachi	
KKGU	Kamikuga	
JKT	Katashina	
KBH	Kobugahara	
MGJ	Motegi	
OHJ	Ohira	
JSB	Shiboa	
UTSU	Utsunomiya	
UTS	Utsunomiya	
YMZ	Yamizo	
YMZU	Yamizo	
Tokachi		
JCH	Churui	
HOO	Hiroo	
HOOJ	Hiroo 2	
MYR	Moyori	
OBI	Obihiro	
URH	Urahoro	
Tokushima		
JAI	Aioi	
INMK	Ichinomiya	
ISIK	Ishii	
KMNK	Kaminaka	
KCY	Kuchiyama	
TKS	Tokushima	
TKSJ	Tokushima 2	
TSS	Tsurugi yama	
WKJ	Wajiki	
Tokyo		
HHR	Hinohara	
HGJ	Hongo	

Code	Station Name	Other
HNG	Hongo	
IIS	IISEE	
MTK	Mitaka	
SIN	Shinagawa	
TOK	Tokyo	
Tottori		
CZT	Chizu	
FOTD	Funaoka	
JKR	Kurayoshi	
KYTD	Kurayoshi	
SAA	Sakai	
SNTD	Shikano	
TOT	Tottori	
TTT	Tottori	
TOTJ	Tottori	
YON	Yonago	
YONJ	Yonago 2	
Toyama		
HKI	Fushiki	
KYJ	Kuroyon	
NRJ	Nirehara	
TOY	Toyama	
JTT	Ttatey	
Wakayama		
ARD	Arida	
HDK	Hidaka	
HNMJ	Hino-misaki	
KKW	Kainokawa	
KNJ	Kinomoto	KMT
KMT	Kinomoto	
KISE	Kishinomiya	
JWY	Kouya	
JWZ	Kozaga	
KMN	Kumano	
JWM	Minabe	
MTGE	Mitogawa	
OIS	Oishiyama	
OIA	Oishiyama (A)	
OIB	Oishiyama (B)	
OIC	Oishiyama (C)	
SKW	Shichikawa	
SHJ	Shiono misaki	
TDR	Todoroki	
WKU	Wakaura	
WKME	Wakayama	
WKY	Wakayama	
WKYJ	Wakayama 2	
YGI	Yagi	
YAS	Yuasa	
Yamagata		
ATM	Atsumi	
JYA	Atsumi	
HRTT	Hiratsu	
JYK	Kaneyama	
JOU	Okura	
SAK	Sakata	
SKH	Sakata 2	
JYS	Shirataka	
JTB	Tobi-shima	
YAM	Yamagata	
YAMJ	Yamagata	
Yamaguchi		
JKD	Kudamatsu	
SHN1	Shimonoseki	
SHNJ	Shimonoseki 2	
SHN	Shimonoseki 3	
JTY	Toyota	
Yamanashi		
ENZ	Enzan	
FUJ	Fuji-kawa	
FUN	Funatsu	
HOKE	Hokigiyama	
ICY	Ichiyama	
KOF	Kofu	
KFU	Kofu	
KGN	Komagane	
JIZ	Nakaizu	
OKY	Okuyama	
OOM	Omiya	
JYN	Shimob	
SBJ	Shimobe	
JNT	Takato	
UMJE	Umejima	
Jawa		
SCJI	Gunung Srandil	
CTJI	Waduk Cacaban	
Jordan		
ARTJ	Al Aritein	
DRHJ	Al-Direh	
QRNJ	Al-Qirein	
SHBJ	Al Shahba	
ANJJ	Anjarah	
AQBJ	Aqaba	
ASHJ	Ashqof	
BYRJ	Bayer	
BURJ	Burma	
QTBJ	Casr Tuba	CSTJ
CSTJ	Casr Tuba	
DHLJ	Dahal	
JDRJ	Daraweish	JRDJ
JRDJ	Daraweish	
LISJ	El Lisan	
MASJ	El Maslubiya	
RUMJ	Er Rumman	
GHZJ	Ghuzeima	
HLBJ	Hallabat	
HMRJ	Hamra	
HMTJ	Hamta	
HSHJ	Hashim	
HITJ	Hittiya	
ASF	Jabal al Asfar	
JARJ	Jarash	
RSHJ	J Risha	JRSJ
JRSJ	J Risha	
KFNJ	Kafrein	
KSHJ	Kshj	
MKRJ	Makawir	
MRSJ	Marsad	
MDSJ	Mudaysisat	
MDRJ	Muduarah	
MUDJ	Muduarah	
JSOJ	Natural Resources Authority	
QTFJ	Qatafi	
QTRJ	Qatrana	
QUTJ	Qutrana	
NAQJ	Ras En-Naqb	
RUWJ	Ruweisid	
SHMJ	Saham	
SALJ	Salt	
SHWJ	Shawbak	
SULJ	Sultana	
SMAJ	Sumiya	
UNJ	University of Jordan, Amman	
WMSJ	Wadi Mousa	
GLFJ		
KARJ		
QRHJ		
Kalimantan		
PKKI	Palangkaraya	
Kaliningradskaya Oblast'		
KLNR	Kaliningrad	
Kamchatskaya Oblast'		
KZV	Kizimen	
I44RU	ROPAVLOVSK-KAMCHATSKY KY INFRASONIC ARRAY REFERENCE POINT	
TUMD	Tumrok D	
Kazakhstan		
ABKAR	Akbulak array	
AB05	Akbulak array site	
AB07	Akbulak array site	
AB01	Akbulak array site	
AB09	Akbulak array site	
AB02	Akbulak array site	
AB03	Akbulak array site	
AB08	Akbulak array site	
AB06	Akbulak array site	
AB31	Akbulak array site	
AB04	Akbulak array site	
AKB	Aktobe	
AKTO	Aktyubinsk	
AKTK	Aktyubinsk	
I31KZ	AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	
AA1	Alma-Ata	AAA
AAA	Alma-Ata	
KNDC	Almaty	
BAYK	Bayan-Aul	
BRVK	Borovoye	
BVAR	Borovoye Array Beam Reference Point	
BVA0	Borovoye Array Site A0	
BVA1	Borovoye Array Site A1	
BVA2	Borovoye Array Site A2	
BVA3	Borovoye Array Site A3	
BVA4	Borovoye Array Site A4	
BVB5	Borovoye Array Site B5	
BVB6	Borovoye Array Site B6	
BVB7	Borovoye Array Site B7	
BVB8	Borovoye Array Site B8	
BVB9	Borovoye Array Site B9	
CHL	Chilik	
TCH	Chimkent	CHM
CHM	Chimkent	
CHK5	Chkalova array site	
CHK9	Chkalova array site	
CHK7	Chkalova array site	
CHK8	Chkalova array site	
CHK4	Chkalova array site	
CHK6	Chkalova array site	
CHKZ	Chkalovo	
CHMS	Chumysh	
CHKK	Chushkaly	
FAB	Fabrichnaya	
ILI	Ili	
KKAR	Karatay Array	
KK08	Karatay Array site	
KK09	Karatay Array site	
KK06	Karatay Array site	
KK01	Karatay Array site	
KK31	Karatay Array site	
KK02	Karatay Array site	
KK04	Karatay Array site	
KK03	Karatay Array site	
KK05	Karatay Array site	
KK07	Karatay Array site	
KKL	Karkaralinsk	
KST	Kastek	
KRS	Krasnogorka	
KURK	Kurchatov	
KURBB	Kurchatov Array	
KUR01	Kurchatov Array Site 1	
KUR10	Kurchatov Array Site 10	
KUR11	Kurchatov Array Site 11	
KUR12	Kurchatov Array Site 12	
KUR13	Kurchatov Array Site 13	
KUR14	Kurchatov Array Site 14	
KUR15	Kurchatov Array Site 15	
KUR16	Kurchatov Array Site 16	
KUR17	Kurchatov Array Site 17	
KUR18	Kurchatov Array Site 18	
KUR19	Kurchatov Array Site 19	
KUR02	Kurchatov Array Site 2	
KUR20	Kurchatov Array Site 20	
KUR21	Kurchatov Array Site 21	
KUR03	Kurchatov Array Site 3	
KUR04	Kurchatov Array Site 4	
KUR05	Kurchatov Array Site 5	
KUR06	Kurchatov Array Site 6	
KUR07	Kurchatov Array Site 7	
KUR08	Kurchatov Array Site 8	
KUR09	Kurchatov Array Site 9	
KRD	Kurday	
KRM	Kurmenty	
KUU	Kurty	
MAKZ	Makanchi	
MKAR	Makanchi Array Beam Reference Point	
MK31	Makanchi Array site	
MK06	Makanchi Array site	
MK08	Makanchi Array site	
MK05	Makanchi Array site	
MK04	Makanchi Array site	
MK07	Makanchi Array site	
MK01	Makanchi Array site	
MK32	Makanchi Array site	
MK02	Makanchi Array site	
MK03	Makanchi Array site	
MK09	Makanchi Array site	
OTUK	Ortayu	
USP	Ospenovka	
PDGK	Podgornoye	
KZAG	Qyzylaghash	
SEM	Semipalatinsk	
TDK	Taldyqorghan	
TLG	Talgar	
AA2	Talgar	TLG
AAB	Talgar	TLG
DZA	Taraz	
TKMK	Tokmak	
TKM2	Tokmak 2	
TUR	Turbat	
TGN	Turgen	
VOSK	Vostochnaya	
VOS	Vostochnaya	VOSK
VOS9	Vostochnaya array site	
VOS8	Vostochnaya array site	
VOS5	Vostochnaya array site	
VOS6	Vostochnaya array site	
VOS4	Vostochnaya array site	
VOS7	Vostochnaya array site	
ZRNK	Zerenda	
ZRN7	Zerenda array site	
ZRN5	Zerenda array site	
ZRN6	Zerenda array site	
ZRN9	Zerenda array site	
ZRN4	Zerenda array site	
ZRN8	Zerenda array site	
Kemerovskaya Oblast'		
LUZB	Luzhba, Kemerovskaya Oblast', Russia	
Komi		
NUUK	Nuuk	
SYKR	Syktyvkar	
Krasnodarskiy Kray		
ERBR	Yeremizino-Borisovskaya	
Kuwait		
NAY	Al-Naaiem	
QRN	Al-Qurain	
RDF	Al-Radifah	
FKI	Failaka Island	
KBD	Kabd	
MIB	Mutribah	
UMR	Umm Al-Rimmam	
RST	Umm Al-Ruwaisat	
Kyrgyzstan		
ASAI	AK-SAY(Kyrgyzstan)	
AAK	Ala-Archa	
AML	Almayashu	
ANVS	Anan'yevo	
ARLS	Aral	
ARK	Arkit	
ARSB	Arslanbob	
BTK	Batken	
BGK	Belogorka	
BGK2	Belogorka 2	
FRU1	Bishkek	
FRU	Bishkek	
BOOM	Boomskoye uschel'e	
ENEL	Enilchek, Kyrgyzstan	
EKS2	Erkin-Say	
EKS	Erkin-Say	
KDJ	Kajisay	
KBK	Karagaybulak	
DRK	Karamyk	
KZA	Kyzart	
KZAD	Kyzyl-Adyr	
MNAS	Manas	
MRZ1	Merzbaher-Enilchek	
NRN	Naryn	
OTK	Orto-Tokoy	
OHH	Osh	
PRZ	Przheval'sk	
RYB	Rybach'ye	
SFK	Sufi-Kurgan	
TARG	Taragay, Kyrgyzstan	
TRKS	Terek-Say	
TOKL	Toktogul	
UCH	Uchtor	
ULHL	Ulahol	
Lebanon		
BEYL	Beirut	
BHL	Bhannes	
DQRL	Deir Qamar	
DWR	Dweir	
FKH	Fakeheh	
HWQ	Hawqa	
KSA	Ksara	
MATL	Matarih	
NAQL	Naqoura	
QSB	Qsaybeh	
RCY	Rachaya	
Lombok		
KLNI	Mataram	
Malaysia		
Peninsular Malaysia		
DSRI	Dabo	
IPM	Ipoh	
FRIM	Kepong	
KGM	Kluang	
MYKOM	Kota Tinggi	
KLM	Kuala Lumpur	
KTGM	Kuala Trengganu	
KTMY	Kuala Trengganu	KTGM
KULM	Kulim	
Sabah		
KKM	Kota Kinabalu	
KDM	Kudat	
MYLDM	Lahad Datu	
SDKM	Sandakan	
TSM	Tawau	
Sarawak		
BTM	Bintulu	
KSM	Kuching	
SBUM	Sibu	
Maldives		
HMDM	Hanimaadhoo	
Maledives		
KAAM	Kaadhehdhoo	
Meghalaya		
TURA	TURA	
Mexico		
Queretaro de Arteaga		
JRQG	Juriquilla Campus	
Mizoram		
AIZW	AIZWAL	
Mongolia		
BYO	Bayan-Olgiy	
BLGM	Bulgan	
DZD	Dalandzadgad	
EBM	Esen Bulak	
HTG	Hatgal	
HBD	Hovd	
SONM	Songino Array Beam Reference Point	
SONA0	Songino Array Site A0	
SONA1	Songino Array Site A1	
SONA2	Songino Array Site A2	
SONA3	Songino Array Site A3	
SONA4	Songino Array Site A4	
SONB1	Songino Array Site B1	
SONB3	Songino Array Site B3	
SONB4	Songino Array Site B4	
SONB5	Songino Array Site B5	
SONB2	Songino Ar. Site	
I34MN	SONGINO INFRASONIC ARRAY REFERENCE POINT	
TSC	Tosontsengel	
TTS	Tsetserleg	
ULN	Ulaanbaatar	
ULG	Ulaangom	
OBM	Ulan Bator	
Moskovskaya Oblast'		
I43RU	DUBNA INFRASONIC ARRAY REFERENCE POINT	
Myanmar		
MND	Mandalay	
RAN	Rangoon	
Nagaland		
KOHI	KOHIMA	
MOKO	MOKOCHONG	
Nepal		
BADN	Badegauja	
BAYN	Bayana	
CHA	Chatra	
DMN	Daman	
DANN	Dangsing	
EVN	Everest	
GBAN	Gaibana	
GJRN	Ganjari	
GNKN	Gaynekanda	
GHAN	Ghanteswor	
GKN	Gorkha	
GUN	Gumba	
HARN	Harre	
JIRN	Jiri	
KKN	Kakani	
KOLN	Koldanda	
LGAT	Lohaghat	
MEGN	Megha	
ODAN	Odare	
PKIN	Phulchoki	
PYUN	Piuthan	
PKI	Pulchoki	
PUSN	Pusma	
RAMN	Ramite	
TAPN	Taplejung	
North Korea		
PYO	Pyongyang	
Novosibirskaya Oblast'		
BSTK	Bystrovka, Novosibirskaya Oblast', Russia	
Oman		
ARQ	Araqi	
ASHO	Ashiyiah	
ABTO	Aybut	
BANOM	Banah	
BIDO	Bidbid	
BSYO	Bisya	
BSY	Bisya	
HOQ	Hoqain	
JMDO	Jabal Madar	
KTMO	Khatum	
QHRO	Qairoon Hariti	
RBK	Rabkut	
SMDO	Samad	
SHAO	Shalim	
WBK	Wadi Bani Khalid	
WHFO	Wadi Hawf	
WSAR	Wadi Sarin	
Pakistan		
AMP	Ambar	
BGP	Bagra	
BLKT	Balakot	
CBP	Campbellpur	
CKP	Chanarkot	
CPA	Chapri	
CHER	Cherat	
CEP	Cherat	
CHCP	Chirah Chowk	
CHTL	Chitral	
DBP	Darband	
DRP	Derazinda	
GLGT	Gilgit	
ISBA	Islamabad	
KAR	Karachi	
KCHI	Karachi	
KHUZ	Khuzdar	
KIA	Kiara Terrace	
LAH	Lahore	
MNL	Mangla	
NTP	Nathian	
NIL	Nilore	
PAK0	Pari Array Site 0	
PES	Peshawar	
PSH	Peshawar	
QIB	Qibla Bandi	
QUET	Quetta	
QUE	Quetta	

Code	Station Name	Other
RBH	Right Bank House--Pihur	
SAD	Saidpur	
SARP	Sargodha	
SBDP	Sheikh Budin	
SIP	Shinkiari	
SWR	Swabi-Maira	
TRB	Tarbela	
TBLA	Tarbella	
THW	Thamme Wali	
TURB	Turbat	
UMKT	Umerkot	
UOSS	Wadi Hilu	
WRS	Warsak Dam	
ZHOB	Zhob	
	Papua New Guinea	
	Admiralty Islands	
MOM	Momote	
	Bougainville	
KOA	Kobuan	
BGA	Mount Bagana	
PAA	Panguna	
	D'Entrecasteaux Islands	
BDO	Budoia	
ESA	Esa-ala	
ESB	Esa-ala	
LOSU	Losuia	
WDIS	Woodlark Island	
	New Britain	
PGBAU	Baubata	
BIAL	Bialla	
BOI	Boisen	
CGA	Cape Gloucester Airport	
DOY	Duke of York Island	
DAW	Hoskins	
PGKAI	Kaiamu	
KET	Keravat	
KRT	Keravat	
KCM	Kilenge	
KMBE	Kimbe	
KMB	Kimbe	
LAG	Langila	
PGMAR	Marapu	
MIP	Matupit	
MPT	Matupit Island	
EVZ	Mount Varzin	
NIS	Nissan Island	
PNB	Pomio	
RAL	Rabalanakaia	
RAB	Rabaul	
ERB	Rabaul (IGS)	
RPT	Raluana Point	
RAP	Rapindik	
ESM	Semalu	
SUL	Sulphur Creek	
TLS	Talasea	
TKA	Tanaka	
TAV	Tavurvur	
ETV	Tovanakuss	
ULA	Ulamona	
ULO	Ulamona	
VUL	Vulcan	
WAN	Wanliss Street	
EWT	Watom Island	
WITU	Witu Islands	
	New Ireland	
EDY	Kabakon Island	
KAV	Kavieng	
KVG	Kavieng	
EKN	Konogogo	
ELB	Lambom Island	
LHIS	Lihir Island	
AGE	Agenahambo	
AITP	Aitape	
ALOT	Alotau	
ALOA	Alotau	
BLLO	Bulolo	
DNG	Daru	
FINC	Finschhafen	
GKA	Goroka	
GRK	Goroka	
GRK1	Goroka	
KIAM	Kaiam	
KKI	Karkar Island	
KRG	Kerema	
KDB	Konedobu	
KPN	Kupiano	
KUPN	Kupiano	
KUTA	Kuta	
LAE	Lae	
LAT	Lae	
LML	Lae--Mount Lunaman	
LKW	Lake Wisdom	
LMG	Lamington	
MAD	Madang	
MDG	Madang	
MANU	Manus Island	
MNDI	Mendi	
MCAS	Mount Castle	
NADZ	Nadzab	
NAMA	Namatanai	
PIAM	Paiam	
PDUI	Pindiu	
POP	Popondetta	
PMG	Port Moresby	
PUR	Purari	
RABL	Rabaul	
SRPI	Serui, Papua	
TBL	Tabele	
OKTD	Tabubil	
TZZ	Tabubil	
TPN	Tapini	
WAB	Wabag	
WAA	Waris	
WAU	Wau	
WEW	Wewak	
WWW	Wewak	
WEK	Wewak	
WWKK	Wewakk	
YAN	Yangoru	
YYYY	Yonkie	
	Philippines	
	Batan Islands	
BAP*	Basco	
BBP	Basco	
	Cebu	
CCP	Cebu City	
LLP	Lapu-Lapu	
MAP	Mactan	
TBP	Tagbilaran	
	Leyte	
MSLP	Maasin	
OCLP	Ormoc	
PLP	Palo	
	Luzon	
AMB	Ambulong	
ARP	Angono	
BAF*	Baguio	
BAG	Baguio City	
BCP	Baguio City	
BCPH	Baguio City Dairy Farm	
BWP	Baguio Weather Station	
BALP	Baler	
BNP	Banawang	
BTP	Batelco	
NZB	Bigte	
BOAC	Boac	
BOLP	Bolinao	
VBU	Buco	
VBN	Bulusan	
CVP	Callao Caves	
CAUP	Cauayan	
APYP	Conner	
ABRA	Dolores	
INF	Infanta	
LEG	Legaspi	
LGP	Legaspi	
VLH	Lignon Hill	
LYP	Liyang	
LBPH	Los Banos	
LQP	Lukban	
MAN	Manila	
MMPH	Masbate	
MATI	Mati	
VMR	Mayon Resthouse	
VMS	Misericordia	
MNP	Morong	
NBP	Mount Natib	
MSP	Mount Santo Tomas	
SGCP	Mt. Cagua	
OTPR	Odiongan	
PALP	Palanan	
PCPH	Palayan	
PEP	Pantabangan	
PIP	Pasuquin	
PINP	Pinatubo--East Slope	
VPP	Pira-Piraso	
POLP	Polillio Island	
PAZ	Puerto Azul	
QAD	Quadrado	
QCP	Quezon City	
QVPH	Quezon City--PHIVOLCS	
QVP	Quezon City--PHIVOLCS	
AUQP	San Andres	
SBPH	San Jose del Monte	
SZP	Santa	
SCZP	Santa Cruz	
SBP	Subic Bay	
CALP	Taal Volcano	
TGY	Tagaytay City	
TAY	Tayabas	
TQP	Tayabas	TAY
TLP	Tuguegarao	
UMS	Upper Santa Misericordia	
PVCP	Virac	
LUK		
	Mindanao	
BIP	Bislig	
BIPH	Bislig	
BTN	Butuan	
BUTP	Butuan	
CGP	Cagayan de Oro	
OMP	Cagayan Oro	CGP
CTB	Cotabato	
CTBH	Cotabato--PC Hill	
DAP	Davao	
DMPH	Davao City--Mintal	
DAV	Davao City (W)	
DWP	Davao Weather Station	
DIP	Dipolog	
DCPH	Dipolog City	
GTP	General Santos	
GSPH	General Santos City	
VHH	Hibok Hibok	
IPIL	Ipil	
KCP	Kidapawan	
MAM	Mambajao	
MPP	Mount Pasian	
BUKP	Musuan	
PAGZ	Pagadian	
PPH	Pasian Peak	
SGSI	Sangihe	
SNPH	Sibulan	
SCPH	Surigao	
ZMP	Zamboanga	
ZMPH	Zamboanga City	
	Mindoro	
ABP	Abra de Ilog	
LUBP	Lubang	
PGP	Puerto Galera	
SJMP	San Jose	
	Negros	
VCB	Cabagna-an	
VCN	Canlaon	
	Palawan	
BATP	Bataraza	
BUSP	Coron	
CUYO	Cuyo Island	
ENPP	El Nido	
PPR	Puerto Princesa	
	Panay	
AAP	Anini-y	
ILO	Iloilo	
GUIM	Jordan	
KALP	Kalibo	
OTRP	Odiongan	
PAP	Pandan	
PDP	Pandan	
RCP	Roxas	
SIPH	Barangay Tapao	
SIPP	Brgy, Tapao	
GQP	Guinayangan	
SHMP	Susana Heights	
	Samar	
BESP	Borongan	
CNP	Catarman	
	Primorskiy Kray	
MSHR	Mys Shultsa	
I45RU	USSURIYSK INFRASONIC ARRAY REFERENCE POINT	
	Punjab	
BNGR	Bahawalnagar	
FTMN	Fort Manro	
KTAS	Katas	
	Russia	
	Altayskiy Kray	
AKAR	Aktash	
ARDR	Aradan	
ARTR	Artybash	
CUR	Chagan-Uzun	
ELDR	Elanda	
KTNR	Kaitanak	
TUNR	Tungur	
UKR	Ust'-Kan	
ELT	Yel'tsovka	
ZAL	Zalesovo	
ZAA0	Zalesovo Array Site A0	
ZAA1	Zalesovo Array Site A1	
ZAA2	Zalesovo Array Site A2	
ZAA3	Zalesovo Array Site A3	
ZAB1	Zalesovo Array Site B1	
ZAB2	Zalesovo Array Site B2	
ZAB3	Zalesovo Array Site B3	
ZAB4	Zalesovo Array Site B4	
ZAB5	Zalesovo Array Site B5	
ZALV	Zalesovo Beam	
	Amurskaya Oblast'	
BMKR	Bomnak	
KROS	Kirovskiy	
TUG	Tungurcha	
USZ	Ust'-Nyukzha	
YASR	Yasnyy	
ZEA	Zeya	
	Arkangel'skaya Oblast'	
PRGR	Permogore	
	Arkhangel'skaya Oblast'	
AMD	Amderma	
KHE	Kheis	
KLMR	Klimovskoe	
TMCR	Tamitsa	
	Bashkortostan	
UFA	Ufa	
	Buryatiya	
ALL	Alla	
ALLA	Alla	ALL
BTMB	Babushkin	
BGZ	Barguzin	
BDN	Bodon	
FFNB	Fofonovo	
KAB	Kabansk	
KPC	Khapcheranga	
HRMR	Khuramsha	
KELR	Kotokel	
KVO	Kovokta	
KUM*	Kumora	KMO
KMO	Kumora	
KYA	Kyakhta	
MXMB	Maximikha	
MOY	Mondy	
NLY	Nelyaty	
NIZ	Nizh Angarsk	
ORA	Oran	
ORL	Orlik	
OZE	Ozernaya	
SVKR	Severomuysk	
SVK	Severo-Muysk	
STDB	Stepnoy Dvorets	
SYVR	Suvo	
TNL	Tonnelnyy	
ZIP	Tsipikan	
TRTB	Turuntaevo	
UKT	Uakit	
UUDB	Ulan-Yde	
YLYR	Ulyunkhan	
YOA	Uoyan	
ZAK	Zakamensk	
ZRHB	Zarechye	
	Chechnya	
GRO	Groznyy	
	Chitinskaya Oblast'	
CIT	Chita	
NLYR	Nelyaty	
SRK	Sredniy Kalar	
TUP	Tupik	
	Dagestan	
AKT	Akhty	
ARKR	Arakani	
BTLR	Botlikh	
BUJR	Buynaksk	
DRN	Derbent	
DBC	Dubki	
DLMR	Dylym	
GNBR	Gunib	
KRNR	Karanay	
KSMR	Kasumkent	
XNZR	Khunzakh	
KMKR	Kumukh	
MAK	Makhachkala	
MNSR	Manas	
SGKR	Sergokala	
UKTR	Uchkent	
UNCR	Uncukul	
URKR	Urkarakh	
	Irkutskaya Oblast'	
ARS	Arshan	
BAY	Bayanday	
BOD	Bodaibo	
CRS	Chara	
IRK	Irkutsk	
LSTR	Listvyanka	
OGRR	Ongureny	
SOL	Solontsovaya	
TLY	Talaya	
TRG	Tyrgan	
	Kaliningradskaya Oblast'	
KNG	Konigsberg	
	Kaluzhskaya Oblast'	
OBN	Obninsk	
	Kamchatskaya Oblast'	
ALID	Alaid	
APC	Apacha	
APN	Apakhonchich	
KRX	Arik	
ASAK	Asacha	
AVH	Avacha	
BDR	Baidarnaya	
BKI	Bering	
BZMR	Bezymyannaya	
BZGR	Bezymyannyi-Griva	
BZWR	Bezymyannyi-West	
BLCS	Bulochka	
DALK	Dalny	
ESO	Esso	
GNL	Ganaly	
GRL	Gorelyy	
INSR	Institute	
KMNR	Kamenistaya	
KMSK	Kamenskaya	
KAMR	Kamenskoye	
KRMR	Karymshinskiy	
KII	Karymskiy	
KIRR	Kirishev	
KLY	Klyuchi	
KPT	Kopyto	
KOK	Koryaka	
KRER	Koryakskii	
KZL	Kozel'skiy	
KOZ*	Kozyr	KOZR
KOZR	Kozyr	
KOZ	Kozyrevsk	
KRSR	Krestovskiy	
KRN	Kronoki	
KBG	Krutoberegovo	
KBTR	Krutoberegovo 1	
LGNR	Loginova	
MIPR	Malaya Ipel'ka	
MTVR	Mutnovka	
MKZ	Mys Kozlova	
SPN	Mys Shipunski	
NLC	Nalytchevo	
OSSR	Ossora	
PALN	Palana	
PAU	Pauzhetka	
PET	Petropavlovsk	
PEA0B	opavlovsk-Kamchatskiy kiy Array site AOB	
PETK	opavlovsk-Kamchatskiy kiy Array site P	
PES2	opavlovsk-Kamchatskiy kiy Array site S2	
PDK	Podkova	
RUS	Russkaya	
SDLR	Sedlovina	
SMKR	Semkarok	
SEL	Semlyachik	
SVLR	Shiveluch	
SMAR	Somma	
SRKR	Sorokina	
SRDR	Sredinnyy	
TILK	Tilichiki	
TILR	Tilichiki	
TOP	Topolovo	
CIRR	Tsirk	
TUMR	Tumrok	
UGLR	Uglovaya	
ZLN	Zelenaya	
	Karel'skaya	
LVZ	Lovozero	
	Kemerovskaya Oblast'	
BRCR	Berchikul'	
KEM	Kemerovo	
TASR	Tashtagol	
VEH	Verkhnyaya Baza	
	Khabarovskiy Kray	
EKMR	Ekimchan	
GRNR	Gornyy	
KHBR	Khabarovsk	
HABR	Khabarovsk	
NKL	Nikolayevsk	
OHTR	Okhotsk	
OKHT	Okhotsk	
URG	Urgal	
	Khakassia	
CERR	Cheremushki	
	Khanty-Mansi Autonomous Okrug	
BYAR	Belyy Yar	
HMA	Khanty-Mansiysk	
SKZ	Skazka	
	Kirovskaya Oblast'	
KIRV	Kirov	
	Krasnodarskiy Kray	
ANN	Anapa	
GYMZ	Gyumri	
KPR	KrasnayaPolyana	
KGUR	Krasnodar	
SOC	Sochi	
	Krasnoyarskiy Kray	
ABNR	Abakan	
BLRR	Bol'shaya Rechka	
DVG	Divnogorsk	
HVS	Khovu-Aksy	
KDN	Kodinsk	
KRAR	Krasnoyarsk	
KTRR	Kuturchin	
KZLR	Kyzyl	
MINR	Mina	
NRI	Noril'sk	
NRIK	Noril'sk	
NRIL	Noril'sk	
NRIS	Noril'sk	
ORHR	Oreshnoe	
ORY	Orie	
SHRR	Shira	
TBTR	Tabat	
TBRR	Tiberkul'	
ZLNR	Zelenogorsk	
	Leningradskaya Oblast'	
PUL	Pulkovo	
NE51	Saint Petersburg	
LNN	Saint Petersburg	
VYB	Vyborg	
	Magadanskaya Oblast'	
ANDR	Anadyr'	
BILL	Bilibino	
CES	Cherskiy	
DBI	Debin	
EVNR	Evensk	
EVEN	Evensk	
ILT	Iul'tin	
GOLD	Kubaka	
MAG	Magadan	
MA2	Magadan	
MGD	Magadan 1	
OCHR	Omchak	
OMS	Omsukchan	
PROV	Provideniya	
SEY	Seymchan	

Code	Station Name	Other
SNGR	Sinegor'e	
SUUS	Susuman	
TLAR	Talaya	
USO	Ust'-Omchug	
Moskovskaya Oblast'		
KUC	Kucino	
MHV	Michnevo	
MOS	Moscow	
Murmanskaya Oblast'		
APA	Apatity	
APAES	Apatity Array Beam Reference Point	
APA0	Apatity Array Site A0	
APA1	Apatity Array Site A1	
APA2	Apatity Array Site A2	
APA3	Apatity Array Site A3	
APB1	Apatity Array Site B1	
APB2	Apatity Array Site B2	
APB3	Apatity Array Site B3	
APB4	Apatity Array Site B4	
APB5	Apatity Array Site B5	
APZ9	Apatity Array Site Z9	
Nizhegorodskaya Oblast'		
PECR	Pechory	
Novosibirskaya Oblast'		
NVS	Novosibirsk	
Orenburgskaya Oblast'		
ORR	Orenburg	
Permskiy Kray		
PR1R	Pomanovo	
SOKR	Solikamsk	
Primorskiy Kray		
GRTR	Gornotajezhnoje	
TEY	Ternei	
USRK	Ussuriysk Array	
USK	Ussuriysk	
VLA	Vladivostok	
Pskovskaya Oblast'		
NE52	Pskov	
BEYR	Belyy Ugol+	
GROC	Groznyy	
NCK	Nalchik	
NEY	Neytrino	
PEA0	opavlovsk-Kamchatskiy kiy Array Site A0	
PEA1	opavlovsk-Kamchatskiy kiy Array Site A1	
PEA2	opavlovsk-Kamchatskiy kiy Array Site A2	
PEA3	opavlovsk-Kamchatskiy kiy Array Site A3	
PEB1	opavlovsk-Kamchatskiy kiy Array Site B1	
PEB2	opavlovsk-Kamchatskiy kiy Array Site B2	
PEB3	opavlovsk-Kamchatskiy kiy Array Site B3	
PEB4	opavlovsk-Kamchatskiy kiy Array Site B4	
PEB5	opavlovsk-Kamchatskiy kiy Array Site B5	
PYA1	Pyatigorsk	
Sakha		
ALDR	Aldan	
ATKR	Artyk	
BTGS	Batagay	
CGD	Chagda	
CLNS	Chul'man	
DEPR	Deputatskiy	
IENR	Iengra	
KHG	Khandyga	
KHN	Khani	
KHNR	Khani	
MOMR	Moma	
NRGR	Nerungri	
PDY	Peleduy	
PDYAR	Peleduy Array Beam Reference Point	
PDY31	Peleduy Array Site 31	
TBGR	Tabaga	
TIK	Tiksi	
TIXI	Tiksi	
TNDR	Tynda	
USMR	Ust'-Maya	
UNR	Ust'-Nera	
VTMR	Vitim	
YAK	Yakutsk	
YKLR	Yuktali	
Sakhalinskaya Oblast'		
ESU	Esutoru	
GOY	Gornyy	
KOS	Kosmodemyansk	
KUR	Kuril'sk	
LES	Lesozavodsk	
MLK*	Malo-Kuril'sk	
MAU	Matua	
OKH	Okha	
OOT	Ootomari	
OTI	Otiai	
REI	Reidovoe	
SKR	Severo-Kuril'sk	
SKT*	Shikotan	SHO
SHO	Shikotan	
SKK	Sikka	
SIU	Simushir	
TYV	Tymovskoe	
UGL	Uglegorsk	
YUK	Yuzh-Kuril'sk	
YSS	Yuzh-Sakhalinsk	
Saratovskaya Oblast'		
SARR	Saratov	
Severo-Osetinskaya		
ARNR	Ardon	
BTKR	Batakoyurt	
DIGR	Digorskoe uzhel'e	
KMSR	Komsomolskaya	
KORR	Kora	
LACR	Lac	
LSNR	Lesken	
PRTR	Priterechnaya	
STDR	Stavd-Durt	
SNJR	Sundja	
TRKR	Terskaya	
ZEI	Tsey	
VLKR	Vladikavkaz	
Stavropol'skiy Kray		
DOMR	Dombai	
GOF	Gofitskoye	
GUMR	Gum-Bashi	
KBZ	Khabaz	
KIV	Kislovodsk	
KVAR	Kislovodsk Array Beam Reference Point	
KIV0	Kislovodsk Array Site 0	KVAR
KIV1	Kislovodsk Array Site 1	
KIV2	Kislovodsk Array Site 2	
KIV3	Kislovodsk Array Site 3	
KUBR	Kubataba	
NAGR	Nagutskaya	
PYA	Pyatigorsk	
SHAR	Shatzhatmas	
STRR	Strizhament	
Sverdlovskaya Oblast'		
ARU	Arti	
SVE	Sverdlovsk	
Tyva		
ERNS	Erzin	
TEL	Teeli	
TDJR	Todzha	
UER	Ust'-Elegest	
Voronezhskaya Oblast'		
VORD	Divnogorie	
VRHR	Novokhopersk	
VSR	Storozhevoye	
VRSR	Storozhevoye	
VOR	Voronezh	
Yevreyskaya Avtonomnaya Oblast'		
KLR	Kul'dur	
Sakhalinskaya Oblast'		
KHLM	Kholmsk	
NEVR	Nevel'sk	
OSMR	Ostromysovka	
Saudi Arabia		
ABHA	Abha	
ABAR	Abu 'Arish	
AFIF	Afif	
AFFS	'Afif	
BADA	Al Bad'	
BDAS	Al Bad'	
HWYS	Al Hawiyah	
KAMS	Al Khamasin	
LITH	Al Lith	
LTHS	Al Lith	
MJMA	Al Majma'ah	
SHRA	Al Sharaya	
SODA	Al Sooda	
AYN	Al'Uyaynah	
WAJH	Al Wajh	
NAMS	An Nimas	
ARSS	Ar Rass	
RAYN	Ar Rayn	
TAIF	At Ta'if	
AYUS	'Aynunah	
BARA	Bahrah	
BHRA	Bahrah	
BLJS	Baljurashi	
BIDS	Bi'r al Bayda'	
BMSH	Bir Mashi	
BISH	Bishah	
DHR	Dhahran	
DHJN	Dharan Janob	
DBAS	Duba	
FRAS	Faraa	
FRSS	Farasan al Kabir	
HKNS	Hadbat Hakran	
HILS	Ha'il	
HAQS	Haql	
HQL	Haql	
ALWS	Ilw as Safayhah	
JMOS	Jabal al Moallq	
FRJS	Jabal Farasan	
LBNS	Jabal Laban	
JMQS	Jabal Moqyreh	
JIZN	Jizan	
JAZS	Jizan	
KMSA	Khamasin	
KMTA	Khamis Mushayt	
KMTU	Khamis Mushayt	KMTA
KBRS	Khaybar	
MADS	Madsous	
MKNA	Makna	
MYKS	Mirrayikh	
MZLS	Mizel	
MOHS	Muhayil	
NAJS	Najran	
BODY	Near Bada	
MATS	Near Sharaf	
QASM	Qassim	
QURS	Qurayyt al Milh	
RNYS	Ranyah	
RYD	Riyadh	
RYDS	Riyadh	
SRAT	Sarat Abidah	
SHRF	Sharaf	
SRFA	Sharaf	
SALT	Sultana	
TBKS	Tabuk	
TAF1	Taif	
TATS	Tathlith	
TAYS	Tayyib Ism	
UMJS	Umm Lajj	
UQSK	'Uqlat as Suqur	
WBHS	Wadi 'Ibn Hashbal	
HASS	Wahat al Ahsa'	
WASL	Wasel	
YNBS	Yanbu' al Bahr	
DJNS	Zahran al Janub	
YOBS		
HRDDS		
DARB		
KFJS		
SHBS		
SHMS		
SLWS		
BOQSS		
JLOS		
LYLS		
BTHS		
ASYS		
FDAS		
HQLS		
RSHS		
WJHS		
Severo-Osetinskaya		
KMGR	Komgaron	
Shimane		
JOI	OKI	
Singapore		
BTDF	Bukit Timah Dairy	
SING	Singapore	
South Korea		
KSAND	Andong	
KSADO	Andong	
KSANM	Anmyeondo	
KSBAR	Backryungdo	
KSBRD	Baengnyeongdo	
KSBON	Boeun	
KSCHY	BONGHWA	
KSPOR	Boryeong	
KSPUA	Buan	
KSBUS	Busan	
KSBSA	Busan_acc	
KSBUY	BUYEO	
KSCHR	CHANGNYEONG	
KSCEA	Cheonan	
KSCEJ	CHEONGJU	
KSCHS	CHEONGSONG	
KSCHW	Cheorwon	
KSCWO	Cheorwon	
KSCIG	Chilgok	
KSCHC	Chuncheon	
KSCHJ	Chungju	
KSCPN	Chupungnyeong	
KSCPR	CHUPUNGNYEONG	
KSDAG	Daegu	
KSDGY	Daegwallycong	
KSTEJ	Daejeon	
KSDAU	Deagu-acc	
KSDEI	Deokjeokdo	
KSDDC	Dongducheon	
KSTOH	DONGHAE	
KSGAH	Ganghwa	
KSKAN	Gangneung	
KSGSG	Gangseo	
KSKCH	Geochang	
KSKUC	Geochang	
KSGIC	Gimchen	
KSKOH	Goheung	
KSKOJ	Gongju	
KSGOS	Gosan	
KSGUM	GUMI	
KSKUS	Gunsan	
KSGUS	GUNSAN	
KSKWJ	Gwangju	
KSGWJ	Gwangju-acc	
KSGBI	Gyogryolbido	
KSHAD	HADONG	
KSHAN	Haenam	
KSHAC	HAPCHEON	
KSHUK	Heuksando	
KSICN	Icheon	
KSIMS	Imsil	
KSINC	Incheon	
INCN	Inchon	
INC	Inchon	
KSIJA	INJE	
KSJAH	Jangheung	
KSJAS	Jangsu	
KSJEC	Jecheon	
KSJJU	Jeju	
KSJEU	Jeongeup	
KSJES	JEONGSEON	
KSJEO	Jeonju	
KSCHO	Jeonju	
KSJDO	Jindo	
KSJIN	Jinju	
KSCHI	Jinju	
KSJMJ	Jumunjin	
KSJUR	Jungrangju	
KSKMS	Keumsan	
KOHB	KOHEUNG	
KSRS	Korea Array	
KSMAS	Masan	
KSMIY	MIRYANG	
KSMOK	Mokpo	
KSMOP	Mokpo	
KSMGY	Mungyeong	
KSMUG	Mungyeong	
KSMUS	Musan	
KSNAJ	Naju	
KSNAH	Namhae	
KSNAW	Namwon	
KSNOW	Nowan	
PHN	Pohang	
KSPOH	Pohang	
KSPHA	Pohang	
PUS	Pusan	
KSPYC	Pyeongchang	
KSGWL	Sabuk	
KSSAC	SANCHEONG	
KSSAJ	Sangju	
KSSGP	Seogwipo	
SEHB	SEOHWA	
KSSSP	Seongsanpo	
KSSES	Seosan	
SEO	Seoul	
KSSEO	Seoul	
KSSOC	Sokcho	
KSSKC	Sokcho	
KSSOD	Songwoldong	
KSSCH	SUNCHEON	
KSSWO	Suwon	
SYU	Syuhurei	
KSTBA	Taebaek	
TAE	Taegu	
TJN	Taejon	
KSTOY	TONGYEONG	
KSULJ	Uljin	
UJN	ULJIN	
KSULL	Ulleungdo	
UL1	ULLUNGDO	
KSULS	Ulsan	
KSUSN	Ulsan	
KSEUS	ULSEONG	
KSWAN	Wando	
KSWJU	Wonju	
KSWON	Wonju	
KSAR	Wonju Array Beam Reference Point	
KS01	Wonju Array Site 1	
KS10	Wonju Array Site 10	
KS11	Wonju Array Site 11	
KS12	Wonju Array Site 12	
KS13	Wonju Array Site 13	
KS14	Wonju Array Site 14	
KS16	Wonju Array Site 16	
KS17	Wonju Array Site 17	
KS18	Wonju Array Site 18	
KS19	Wonju Array Site 19	
KS02	Wonju Array Site 2	
KS03	Wonju Array Site 3	
KS32	Wonju Array Site 32	
KS33	Wonju Array Site 33	
KS34	Wonju Array Site 34	
KS35	Wonju Array Site 35	
KS36	Wonju Array Site 36	
KS37	Wonju Array Site 37	
KS04	Wonju Array Site 4	
KS05	Wonju Array Site 5	
KS06	Wonju Array Site 6	
KS07	Wonju Array Site 7	
KS08	Wonju Array Site 8	
KS09	Wonju Array Site 9	
KS15	Wonju Array Sites 15 and 31	
KSYAP	YANGPYEONG	
KSYCH	Yecheon	
YNCB	YEONCHEON	
KSYOC	YEONGCHEON	
KSYOD	Yeongdeok	
KSYOJ	YEONGJU	
KSYOW	Yeongwol	
KSYOS	Yeosu	
KSYSU	YEOSU	
YJD	YOUNGJONGDO	
Spratly Islands		
KIPH	Kalayaan	
Sri Lanka		
COC	Colombo	
PALK	Pallekele	
Stavropol'skiy Kray		
KBTC	Kuba-Taba	
SHA1	Shidzhatmaz	
Sulawesi		
PMSI	Majene	
Sumatera		
LASI	Langsa, Aceh	
MLSI	Meulaboh, Aceh	
UBSI	University, Bengkulu	
Sumba		
DBNI	Kabupaten Dompu	
Syria		
KOOC	Abou Kooc	
RABH	Abou Rabah	
ARNB	Al Arnab	
BSHR	Al Beshri	
BIDA	Albida	
JHLN	Al Jahlan	
MZRK	Al-Mazaregh	
MNKR	ALMNKUR	
SLMH	Al Salmeh	
WHAB	Al Wahab	
BDRN	Badran	
BRBR	Barbar	
BTCH	Batrach	
DUSS	Damascus University	
DRBT	Darb Altahta	
DRWC	Darouich	
HAWK	Haweek	
KBSD	Kabsdagh	
KSRV	Kasrt alli	
KFRA	Kufra	
QASN	Qassioun	
MARH	Ras Al Marh	
SALA	Sala	
SLNF	Slenfeh	
SFNV	Sufian	
TCHB	Talchebab	
ROOS	tl_alroos	
TOTH	TOTAH	
WRDH	Warideh	
ZALF	Zalf	
Taiwan region		
ALS	Alishan	
ANP	Anpu	
EAST	Anshuo	
BGSB	Baguashan	
WCH	Changhua City	
CHKT	Chengkung	
TWY	Chenhua	
TWD	Chiawan	
CHY	Chiayi	
TSCK	Chigu Township	
KNMB	Chin-men Tao	
CHN6	CHN6	
TWR	Chutung	
WDT	Danda	
WDL	Douliou City	
WDGT	Dungji	
TWDS	Dungshr Township	
SCZT	Fangliau	
TWE*	Feng-lin	
ETL	Fush Village	
WGK	Gukeng	
TNGL	Gungliau Township	
WHF	Hehuan Shan	
EHC	Hejung	
TSEB	Hengchuen, Pingtung county	
TWK1	Hengchun	
HEN	Hengchun	
EHP	Heping Village	
WLCT	Hsiaoliuchiu	
TWP	Hsiaoliuchiu	
HSN	Hsinchu	
SGK	Hsinkong	HSI
HSI	Hsinkong	
TWK	Hsinying	
HWAP	Hualien Port	
EHY	Hungye	
HWA	Hwalien	
YLA	Ilan	ILA
ILA	Ilan	
SCLT	Jiali	
EGA	Jian Township	
SGST	Jiashian	
TEGC	Jichi Village	
SGLT	Jiouru	

Code	Station Name	Other
KAU	Kaohsiung	
KAUP	Kaohsiung Port	
KLUP	Keelung Port	
KNM	Kinmen	
TWS1	Kuangyinshan	
TWX	Kuosheng	
TWI	Lanshu	
LAY	Lan-yu	
LYUB	Lan-yu	
ELDTW	Lidau	
CHN7	Lioujiau	
TWQ1	Liyutan	
TWH	Lutao	
MTST	Matsu	
MATB	Ma-tsu	
TWO	Meishan	
TWO1	Meishan	
NML	Miaoli City	
WNT	Mingjian	
CHN2	Minshiung	
TWA	Mucha	
ENA	Nanau	
NSTT	Nanjuang	
NNS	Nan Shan	
CHN1	Nanshi	
NCU	National Central University	
TNOU	National Taiwan Ocean University, Keelung City	
TWE	Neicheng	
TWZ	Neifu	
NACB	Ninganchiao	
ENTT	Nioudou	
PCYT	Pengchaiyu	
PNG	Penghu	
PHUB	P'eng-hu	
TSPT	Pingtung City	
TWG	Pinlang	
WPL	Puli Township	
SSD	Sandimen	
NSK	Sanguang	
TWB1	Santiao Chiao	
NSY	Sanyi	
ESL	Shilin	
TNSD	Shindian Village	
CHN3	Shinhua	
ESF	Shoufeng Township	
TWM1	Shoushan	
TWM	Shoushan	
SSLB	Suanglung	
TWC	Suao	
TWCP	Suao Port	
SMLT	Sun Moon Lake	
WSF	Szhu	
WTCT	Ta-ch'eng	
TWT	Tachien	
TCU	Taichung	
TCUP	Taichung Port	
ECL	Taimali	
TAI	Tainan	
TAI2	Tainan City	
TAP1	Taipei	
TATO	Taipei	
TAP	Taipei	
TTN	Taitung	
TPUB	Ta-pu	
WTP	Ta-pu	
STYT	Tauyuan	
TAW	Tawu	
TWJ1	Tawu	
TDCB	Techi	
CHN5	Tsauling	
CHN4	Tsaushan	
TWQ	Tungshih	
WFSB	Wu-fen Shan	
NWF	Wu-fen Shan	
TWU	Wulai	
TEYL	Yanliau Village	
YHNB	Yeheng	
CHN8	Yiju	
WYL	Yuanlin Township	
TYC	Yuchr	
TWF	Yuli	
TWF1	Yuli	
YULB	Yu-li	
TAI1	Yung-k'ang	
YUS	Yu-Shan	
EGS		
Tajikistan		
AKUL	Akkuyli	
BLD	Baljuvan	
BZN	Bogi-Zagon	
CHLD	Childara	
CSD	Chor-Sady	
CGT	Chuian-Garon	
CHS	Chusal	
DSH	Dushanbe	
DZH	Dzhafr	
DZET	Dzherino	
DZE	Dzherino	
DZT	Dzhirgatal'	
GAM	Garm	GAR
GAR	Garm	
GEZ	Gezan	
GIS	Gissar	
IGR	Igron	
ISH	Ishtion	
KFTR	Kaftarguzar	
KLD	Kalaidasht	
KNR	Kangurt	
KRU	Karasu	
KHAT	Khait	
KHO	Khorog	
KHR	Khorongon	
KHUM	Khumson	
KOMA	Komarou	
KOMS	Komsomolabad	
KUL	Kulyab	
KYZD	Kyzyldzhar	
LNA	Lyangar	
MUR	Murgab	
MUS	Muskinabad	
NRK	Nurek	
OBG	Obi Garm	
PSV	Pishtovo	
RGR	Regar	
REG*	Regar	RGR
RAG	Roghun	
SNGI	Sangi-Kar	
SAT	Sang-Tuda	
SGZ	Semigandzh	
SHTS	Shaartuz	
SMT	Sultan-Mazar	
TDT	Tavil'dara	
URT	Ura-Tyube	
YAT	Yaldymych	
ZIM	Zimchurud	
Thailand		
TMDB	BangkokBB_BH_low_level	
BDT	Bhumibol Dam	
CHAI	Chaiyaphum	
CHAT	Chantaburi	
CHBT	CHBT	
CHG	Chiang Mai	CHTO
CMMT	Chiang Mai	
CHTO	Chiang Mai	
CMAR	Chiang Mai Array Beam Reference Point	
CM01	Chiang Mai Array Site 1	
CM10	Chiang Mai Array Site 10	
CM11	Chiang Mai Array Site 11	
CM12	Chiang Mai Array Site 12	
CM13	Chiang Mai Array Site 13	
CM14	Chiang Mai Array Site 14	
CM15	Chiang Mai Array Site 15	
CM16	Chiang Mai Array Site 16	CMAR
CM17	Chiang Mai Array Site 17	
CM18	Chiang Mai Array Site 18	
CM02	Chiang Mai Array Site 2	
CM03	Chiang Mai Array Site 3	
CM31	Chiang Mai Array Site 31	
CM32	Chiang Mai Array Site 32	
CM33	Chiang Mai Array Site 33	
CM34	Chiang Mai Array Site 34	
CM35	Chiang Mai Array Site 35	
CM36	Chiang Mai Array Site 36	
CM04	Chiang Mai Array Site 4	
CM05	Chiang Mai Array Site 5	
CM06	Chiang Mai Array Site 6	
CM07	Chiang Mai Array Site 7	
CM08	Chiang Mai Array Site 8	
CM09	Chiang Mai Array Site 9	
CRAI	Chiangrai	
CHRT	Chiangrai	
CMAI	Chiengmai2	
PHET	Kaeng Krachan	
KBR	Kanchanaburi	
KHLT	Khaolaem Dam	
KHT	Khao Laem Dam	
KHON	Khomkaen	
UBPT	Khong Chiam	
KKTK	Khon Kaen	
KRAB	Krabi	
LAMP	Lampang	
LPT	Lampang	
LOEI	Loei	
LOE	Loei	
MHMT	Maesarieng	
NST	Nakhon Sawan	
NAYO	Nakonayok	
SRIT	Nakonsritamarat	
PANO	Nakornpanom	
NANT	Nan	
NONG	Nongkai	
NNT	Nongplab	
PCT	Pak Chong	
PATY	Pattaya	
PAYA	Payao	
PHIT	Phitsanulok	
PHRA	Phrae	
PKT	Phuket	
PKDT	Phuket	
RNTT	Ranong	
PBKT	Sadao Pong	
SKNT	Sakolnakorn	
SKLT	Songkhla	
SNG	Songkhla	
SRAK	Srakaew	
SRDT	SRDT	
SUKH	Sukhothai	
SURT	Suratani	
SURA	Surathani	
TRTT	Trang	
UBT	Ubonrachathani	
UMPA	Umpang Tak	
UTHA	Uthaitani	
UTTA	Uttaradit	
The Chukotsky Autonomous Okrug		
LAVR	Lavrentia	
PRVR	Provideniya	
Tripura		
BELO	BELONIA	
Turkey		
ABT	Abant	
ADVT	Abdulvahap	
ADAT	Adana	
ADT	Adana	
AFSR	Af¯ar-Bala (Ankara)	
DAGI	Agillar	
AGN	Agin	
AGRT	Agri	
KAHT	Ahir Dag	
AKCD	Akcadag	
AKC	Akcakoca	
AKHS	Akhisar	
AKS	Akhisar	
AKKT	Akkus	
AKKU	Akkuyu-Mersin	
AKSY	AKSARAY - Altinkaya	
AKTT	Aktoprak	
EAK	Akyaka	
AKY	Akyazi	
ALT	Altintas	
CUALT	Altinyayla-SIVAS	
MASR	Amasra-Bartin	
ANDN	Andirin	
ANK	Ankara	
DAD	Ankara	
ANTO	Ankara	
ANTB	Antalya	
KEPZ	Antalya-Kepez	
ARMT	Armutlu	
ARST	Arsuz	
ARTV	Artvin	
ASAT	Asagicarikuru	
AVNT	Avonos	
AYK	Aydincik	
BAYT	Ayd¯–ntepe-Bayburt	
AYKD	Aykdinkavak	
AYS	Ayseler	
AYVA	Ayvalik	
DBAD	Bademkaya	
BKT	Bakacak	
BALAT	Bala	
BBAL	Bala	
BLCB	Balcova	
BALB	Balikesir	
BALY	Balya	
BNT	Bandirma	
BTIN	Bart¯–n	
BASK	Baskale_VAN	
BTMT	Batman	
BTMN	Batman	
BBTK	Belbasi	
BRAR	Belbasi Array Beam Reference Point	
BR01	Belbasi Array Site 1	
BR02	Belbasi Array Site 2	
BR03	Belbasi Array Site 3	
BR31	Belbasi Array Site 31	BRAR
BR04	Belbasi Array Site 4	
BR05	Belbasi Array Site 5	
BR06	Belbasi Array Site 6	
BR00	Belbasi Site	BRAR
BLNT	Belen	
BEST	Besiri	
BEYT	Beykoz	
BINT	Bingol	
BGOL	Bingol	
BNGL	BINGOL	
BNGB	Bing˚¶‖	
BTLK	Bitlis	
BODT	Bodrum	
BGKT	Bogazkoy	
BOLV	Bolvadin	
BCA	Borcka	
DBOC	Borcka	
KDAG	Bornova	
BOYT	Boyabat	
BYBT	Boyabat	
BOY	Boyalica	
BOZC	Bozcaada	
BOZD	Bozcaada-Canakkale	
BZK	Bozkurt	
ATAB	Bozova	
AUBOZ	BOZOYUK	
BCK	Bucak	
BNN	Bunyan	
BADT	Buyukada	
BUY	Buyukada	
DNZL	Cakiroluk	
CLDR	Caldiran	
CMDR	Camlidere-ANKARA	
CANB	Canakkale	
CANT	Cankiri	
CTK	Catak	
CTTX	Catalca	
CTT	Catalca	
ELBA	Catalca	
ECAT	Cat-ERZURUM	
CAVTT	Cavuskoy	
CAVI	Cavuskoy	
CEM	Cemisgezek	
CEYT	Ceyhan	
CDAG	Cicekdag	
CHBY	Cihanbeyli	
SBT1	Cinarcik-Koru-Yalova	
CIN	Cine	
CRLT	Corlu	
CORM	Corum	
CTKT	Corum	
COAL	Corum-Alaca	
CTAK	Corum_Osmancik	
CUKT	Cukurca	
CUND	Cunda Adasi-Balikesir	
BALT	Daday	
DALT	Dalyan (Mudla)	
DALY	Dalyan (Mu¯la)	
DARE	Darende-Malatya	
DAT	Datca	
DATC	Datca-Mugla	
DEMI	Demirci	
DDEM	Demirkent	
DKP	Demirkopru	
DMK	Demirkoy	
DMT	Demirtas	
DENT	Denizli	
DERT	Derbent	
DVR	Devrek	
DIDI	Didim-Aydin	
DKL	Dikili	
DIKM	Dikmen	
DYDN	Diyadin	
DIY	Diyarbakir	
DIYA	Diyarbakir	
DYBB	Diyarbakir	
DRTT	Dortyol	
DGT	Duragan	
DURS	Dursunbey	
DST	Dursunbey	
DRB	Dursunbey	
EDT	Edincik	EDC
EDC	Edincik	
EDRB	Edirne	
KESN	Edirne-Kesan	
BAGO	Egridir - ISPARTA	
ELZG	Elazig	
ELA	Elazig	
ELZ	Elazig	
ELDT	Eldivan	
EATA	Eleskirt	
ELL	Elmali	
ENEZ	Enez	
ERBA	Erbaa	
ERCT	Erciyes	
ERD	Erdek	
MEST	Erdemli	
ERIK	Erikli-Kesan	
ERMK	Ermenek	
EZC	Erzincan	
KRDT	Erzincan	
ERZN	Erzincan	
ERZ	Erzurum	
ERZM	Erzurum	
ERZT	Erzurum	
EZM	Erzurum	
ERZC	Erzyncan	
SBT5	Esenkoy-Cinarcik-Yalova	
ESE	Esentepe	
ESKT	Eskisehir	
BORA	Eskisehir	
EYL	Eskiyayla	
SEYT	Eskypehyr	ESKT
ESPY	Espiye-Giresun	
EZN	Ezine	
FAT	Fatmalar	
FEKT	Feke	
FETY	Fethiye	
FETI	Fethiye-Mugla	
SOFT	Gaziantep	
GAZ	Gaziantep	
GZT	Gaziantep	
GZTT	Gaziantep	
GAZI	Gazipasa	
GBZT	Gebze	
GEB	Gebze	
GEDT	Gedikpinar	
GEDZ	Gediz	
GDZ	Gediz	
GEMT	Gemlik	
GEVA	Gevas	
GRSN	GIRESUNGRSN	
GLHS	Glhisar (BURDUR)	
GOKC	Gokceada-Canakkale	
GOLH	Golhisar	
GPA	Golpazari	
GLP	Golpazari	GPA
GET	Gonen	
GONE	Gonen-Balikesir	
GYN	Goynuk	
GULA	Gulagac	
GULE	Gulek	
GPNR	Gulpinar-Canakkale	
GULT	Gulveren	
GUMT	Gumushane	
GDDT	Gundogdu	
GNYT	Guneyli	
CUGUR	Gurin_S¯VAS	
SBT2	Guzelce-Avcilar-Istanbul	
GADA	Gvkgeada	
GCAM	G?zelcaml?	
HDMB	Hadim	
HKR	Hakkari	
HAKT	HAKKARI	
AGRB	Hanur-Agry	
HTY	Hatay	
HAVZ	Havza	
HENT	Hendek	
HRT	Hereke	
HIS	Hisarcik	
HOMI	Horasan	
ILGA	Ilgaz	
ILIC	ilic-Erzincan	
IKL	Isikli	
COBT	Iskenderun	
ISP	Isparta	
IST	Istanbul	
IST1	Istanbul	
ITU	Istanbul	
ISK	Istanbul-Kandilli	
URLA	Izmir	
IZM	Izmir	
IZI	Iznik	
IZN	Iznik	
KDHN	Kadinhani	
KMRS	Kahramanmaras	
KAMT	Kaman	
KND	Kandira	
CUKAN	kangal_SIVAS	
KGT	Karabiga	
KRBG	Karabiga-Canakkale	
KCT	Karacabey	
KCTX	Karacabey (Bursa)	
SVSK	Karacayir	
EKAR	Karacoban	
KDE	Karadeniz	
KDZE	Karadeniz Ereoli	
KHL	Karahalli	
KHAL	Karahalli	
KARA	Karaisali	
KMS	Karamursel	
KRTS	Karatas	
KART	Kargi	
DIGO	Kars	
KARS	Kars	
AKAS	Kas	
KAS	Kastamonu	
KAST	KASTAMONU	
KVT	Kavak	
BDRM	Kayabasi	
KYR	Kayrak	
YAHY	KAYSERI_Yahyali	
KEB	Keban	
KEKT	Kekliktepe	
KELT	Kelkit	
KLT	Keltepe	
KEMA	Kemaliye	
BRTR	Keskin Array Beam Reference Point	
BR101	Keskin Array Site 101	
BR102	Keskin Array Site 102	
BR103	Keskin Array Site 103	
BR104	Keskin Array Site 104	
BR105	Keskin Array Site 105	
BR106	Keskin Array Site 106	
BR131	Keskin Array Site 131	BRTR
BRMAR	Keskin MP Array Beam Reference Point	
BR231	Keskin MP Array Site 231	BRMAR
BR232	Keskin MP Array Site 232	
BR233	Keskin MP Array Site 233	
BR234	Keskin MP Array Site 234	
BR235	Keskin MP Array Site 235	
BR236	Keskin MP Array Site 236	
BR237	Keskin MP Array Site 237	
CTKS	Kestanelik-??atalca	
KLYT	Kilyos	
KRCT	Kiractepe	
KRH	Kirikhan	
AUKIR	K¯–rka- Seyitgazi ESKISEHIR	
KIZT	Kizilcal	
KAND	Kocaeli-Kandira	
KOL	Kolay	
KERG	Konya-Eregli	
KKUL	Konya-Kulu	
KMER	Konya-Meram	

Code	Station Name	Other
KONT	Konya--Tatoy	
KOPT	Kop Dagi	
KORT	Korkueli	
KORK	Korkuteli	
KOZT	Kozan	
KOZTB	Kozan	
KULA	Kula-Manisa	
KULU	Kulu	
SBT4	Kumbag-Tekirdag	
MARK	Kumluca	
KRTT	Kurtkulagi	
KUSD	Kusadasi-Aydin	
AUKUT	KUTAHYA	
KUZU	Kuzuini	
LADK	Ladik-KONYA	
LPK	Lapseki	
LOD	Lodumlu	
MYA	Malataya	
MALT	Malatya	
MLTT	Malatya	
MANT	Manisa	
MARD	Mardin	
MRMT	Marmara Adasi	
SBT3	Marmara-Ereglisi-Tekirdag	
MRSB	Marmaris-Mugla	
MAZI	Mazidag	
MGN	Mengen	
MERS	Mersin	
KIZK	Mersin	
AUMIH	MIHALICIK	
MLSB	Milas	
MDNY	Mudanya-Bursa	
MUT	Mudurnu	
MDUB	Mudurnu	
MDU	Mudurnu	
MRFT	Murafatepe	
MFT	Murefte	
NAL	Nallihan	
NART	Narlikuyu	
AVNS	Nevsehir-Avanos	
BSTP	Nigde	
NIG	Nigde	
ORDU	Ordu-Boztepe	
ORLT	Orhaneli	
ORH	Orhaniye	
OSMT	Osmaniye	
PLU	Palu	
PZAR	Pazar-Rize	
PERT	Persembe	
PTK	Pertek	
PINB	Pinarbasi	
PHSR	Pinarhisar	
EPOS	Posof	
RAM	Raman	
REFA	Refahiye_ERZ¯NCAN	
RSDY	Resadiye-TOKAT	
REYT	Reyhanli	
SAFT	Safranbolu	
SAHE	Sakarya_HENDEK	
SMDT	Samandagi	
SAMS	Samsun-Alacam	
SPNC	Sapanca-Adapazari	
SARI	SarD1z-Kayseri	
CUSAR	Sarkisla-SIVAS	
RKY	Sarkoy-Tekirdag	
SAY	Sayfiye	
SEMD	Semdilli	
SENK	Senkaya-Erzurum	
SERE	Sereflikochisar	
SGT	Sevinc	
SYT	Seydisehir	
SILT	Sile	
SLF	Silifke	
SLVT	Silivri	
SVAN	Silvan-Diyarbakir	
SIMA	Simav-Kutahya	
SNOP	Sinop	
SIRT	Sirnak	
SIRN	S¯–rnak	
SVST	Sivas	
SVRC	Sivrice-ELAZID	
SGKT	Sivrigoynuk	
AUSIV	SIVRIHISAR	
SVRH	Sivrihisar-ESKISEHIR	
SCER	sogukcermik	
SHUT	Suhut-Afyon	
SULT	Sultanhani-AKSARAY	
ENZZ	Sultanice-Enez-Edirne	
SUSE	Susehri	
SLK	Susurluk	
SUTC	Sutluce-Isparta	
TAHT	Tahtakopru-Hatay	
BTAS	Taskesti	
TST	Taslik	
AYDN	Tasoluk	
TATV	Tatvan	
TVSB	Tavsanli	
GELI	Tayfur-Gelibolu	
TDAG	Tekirdag	
TKR	Tekirdag	
SART	Tekirdag	
TKTP	Tekketepe	
TOKA	Tokat	
TOKT	Tokat	
TTK	Tokmak	
BTOK	Tokmak	
TOS	Tosya	
KTUT	Trabzon	
MACK	Trabzon	
TBZ	Trabzon	
TNC	Tunceli	
TNCL	Tunceli-Merkez	
TRHT	Turhal	
TRKT	Turkoglu	
TURN	Turunc	
TUTA	Tutak	
ULDT	Uludag	
URFA	Urfa	
UZU	Uzumlu	
EUZM	Uzumlu	
VANT	Van	
VNT	Van	
VANB	Van	
TVAN	Van	
VMUR	Van-Muradiye	
VRT	Varto	
VRTB	Varto-Mus	
VEZ	Vezirkopru	
YKAV	Yalikavak-Bodrum	
KIYI	Yal¯–koy-Catalca	
CTYL	Yal??k??y-??atalca	
YLV	Yalova	
YAMN	Yamanlar	
YAYL	Yayladag	
YAYX	Yaylak	
YEDI	Yedisu-Bingol	
YELT	Yellice	
BCAM	Yenicaga	
YER	Yerkesik	
YESY	Yesilyurt	
MUGL	Yilanlidag	
YOZ	Yozgat	
YUMT	Yumurtalik	
YURE	YUREGIR	
CUZAR	Zara_SIVAS	
AYDB	Zeytinkoy-Aydin	
ZGT	Zonguldak	
ANTT		
KMST		

Turkmenistan

ABKT	Ailbek
GEYT	Alibeck
GYA0	ALIBECK ARRAY SITE A0
GYA0B	ALIBECK ARRAY SITE A0B
GYA1	ALIBECK ARRAY SITE A1
GYA2	ALIBECK ARRAY SITE A2
GYA3	ALIBECK ARRAY SITE A3
GYB1	ALIBECK ARRAY SITE B1
GYB2	ALIBECK ARRAY SITE B2
GYB3	ALIBECK ARRAY SITE B3
GYB4	ALIBECK ARRAY SITE B4
GYB5	ALIBECK ARRAY SITE B5
ASHT	Ashkhabad
ASH	Ashkhabad
BAT	Bayram-Ali
CAGT	Chagyl
CHDS	Charjew
GARG	Garrygala
GAUS	Gevers
GZLA	Gyzyletrek
KAH	Kaushut
KAT	Kizyl-Arvat
KRF	Krasnovodsk
MNYS	Manysh
MRY	Mary
NBD	Nebitdag
VAN	Vannovskaya

United Arab Emirates

ASUD	Al Ashush, Dubai
FAQ	Al Faqa, Dubai
HATD	Hatta, Dubai
NAZ	Nazwa, Dubai

Uttar Pradesh

UGON	Onchagaon

Uzbekistan

AGL	Agalyk
ANR	Andizhan
ANE	Angren
AUR	Aurakhmat
CHET	Chet-Su
DZN	Dzhankel'dy
DZI	Dzhizak
FRG	Fergana
GAY	Galvasay
KDK	Khodzhikent
KLKU	Kulkuduk
KUMR	Kumaryk
LNC	Lunacharskoye
NAM	Namangan
NAP	Napay
NUKS	Nukus
NUT	Nurata
SAM	Samarkand
TMD	Tamdy-Bulak
TAS	Tashkent
YNGY	Yangiyul

Vietnam

BCVB	Bac Can
BGV	Bac-Giang
BVV	Ba Vi
CTVN	Chua Tram
CCVB	Con Cuong
DBV	Dienbien
DHV	Doan Hung
DSV	Doi Son
HGVB	Ha Giang
HNV	Hanoi
HBV2	Hoa Binh
HBVN	Hoa-Binh
HUV	Hue
KSVV	Ky Son
LUV	Laichau
LCVN	Lai Chau
LAVN	Lang Chanh
LNVN	Lang Ngam
MTZV	Met
MCVV	Moc Chau
NTV	Nha Trang
NHA	Nha-Trang
PLV	Phu-Lien
SPV	Sa-pa
SLVN	Son La
DLVO	T a@11 Lat
DLV	T a@11 Lat
TDV	Tam Dao
THV	Thanh Hoa
TTVN	Tram Tau
TGV	Tuan Giao
TLV	Tu Ly
TQV	Tuyen-Quang
VIV	Vinh
VTVB	Vinh Tuy
YTV	Yen Tu

Voronezhskaya Oblast'

LPSR	Galich'ya Gora
VRH	Novokhopyorsk
VORR	Voronezh

Yemen

ADEN	Aden
RADA	Ahram - Rada'a city Al-Baydha Gov. - Yemen
BDHA	Al Bayda'
MUKL	Al Mukalla
MUKH	Al Mukha
UDYN	Al 'Udayn
ATAQ	'Ataq
TRBA	At Turbah
DHBB	Dhama@18r BB
DHMR	Dhamar
DAMY	Dhamar
ERIN	Erian - IBB Gov. - Yemen
HAJJ	Hajjah
HRAD	Harad
HNSH	Hunish Island
ADDN	Jabal Ad Dan - Dhamar Gov. - Yemen
KAMRY	Kamaran Island
MNKH	Manakhah
MARB	Ma'rib
SADA	Sad'ah
SANA	San'a
SYON	Say'un
SOCY	Socotra
SMRH	Sumara - IBB Gov. - Yemen
TAIZ	Ta'izz
ZBID	Zabid
ZUQR	Zugar Island
ZQRN	Zuqar Island
LBOS	

ATLANTIC OCEAN/ARCTIC OCEAN

Ascension

ASCN	Ascension
ASH19	Ascension Island Hydrophone Array Site 19
ASH21	Ascension Island Hydrophone Array Site 21
ASH23	Ascension Island Hydrophone Array Site 23
ASH24	Ascension Island Hydrophone Array Site 24
ASH25	Ascension Island Hydrophone Array Site 25
ASH26	Ascension Island Hydrophone Array Site 26
ASH27	Ascension Island Hydrophone Array Site 27
ASH29	Ascension Island Hydrophone Array Site 29
I50GB	ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT

Bermuda

BBSR	BB Station
BEC	Bermuda--Columbia
I51GB	BERMUDA INFRASONIC ARRAY REFERENCE POINT
BEN	Bermuda-Navy

Faeroe Islands

FHV	Haldarsvik
SOFL	Sornfelli, Faroe Islands
FSD	Sut uroy
FSV	Svinoy
FTO	Torshavn
FVA	Vagar

Falkland Islands

EFI	East Falkland Island
FLK	Falkland Islands
PSF	Port Stanley

Greenland

ASIG	Aasiaat, Greenland	
ASSG	Aftenstjerne Lake, Greenland	
ANGG	Ammassalik, Greenland	
CCG	Camp Century	
DBG	Daneborg	
DAG	Danmarks Havn	
FFBG	Frank Field Bay, Greenland	
GDH	Godhavn	
IC-GL	Ice Cap	
IC-	Ice Cap	IC-GL
ILULI	Ilulissat	
ILUG	Ilulissat, Greenland	
ILG	Inge Lehmann	IC-GL
ISOG	Isortoq, Greenland	
IVI	Ivigtut	
SFJD	Kangerlussuaq 2	
SF2	Kangerlussuaq 2	
KTG	Kap Tobin	
KULLO	Kullorsuaq	
KULG	Kulusuk, Greenland	
NRS	Narsarsuaq	
NOR	Nord	
NEEM	North Greenland Eemian Ice Drilling site	
NUUG	Nuugaatsiaq	
I18DK	QAANAAQ INFRASONIC ARRAY REFERENCE POINT	
SCO	Scoresbysund	
SFJ	Sondre	
SUMG	Summit	
TE-GL	Thule	
THU	Thule	
TE-	Thule	TE-GL
THULE	Thule	
TULEG	Thule	
UPNG	Upernavik	

Iceland

IASB	A@15sbjarnarstat ir
AKU	Akureyri
AKU-	Akureyri
IALF	Alftagrof
IADA	Aoalbol
IASK	Askja
IASM	Asmuli
IASO	Asolfsskalaheidi
IBJA	Bjarnastaoir
BORG	Borgarnes
IBRE	Brettingsstaoir
IBRU	Bruarjokull
IDIM	Dimmadals^¡s
EGI	Egilsstadhir
IESK	Eystri-Skogar
IFAG	Fagurholsmyri
IFLA	Flatey
IGIL	Gilhagi
IGLU	Glumsstadir
IGOD	Go??abunga
IGRA	Granastaoir
IGRI	Grimsey
IGRF	Grimsfjall
IGRS	Grimsstaoir
IGRV	Grindav??k
IGHA	Grjothals
IGHS	Grjothals
IGYG	Gygjarholskot
HAH	Hahryggur
IHAU	Haukadalur
IHEI	Heioarbar
IHLA	Hella
IHED	Heoinshofoi
IHRN	Hraun
IHVA	Hvannstoosfjoll
IHVE	Hveravellir
IKAS	Kald??rsel
IKAL	Kalfafell
IKRE	Kreppuhraun
IKVO	Krokottuvotn
IKRO	Krokur
IKRI	Krysuvik
IKUD	Kuludalsa
IHVO	Lagu-Hvolar
ILEI	Leirhofn
LJO	Ljotipollur
IMEL	Melhnausar
IMID	Miomork
IMKO	Mokollar
INYL	Nylenda
IRNE	Reykjanes
REY	Reykjavik
IREN	Reynihlio
IRJU	Rjupnafell
ISAN	Sandskeio
ISAU	Saurbar
SID	Sida
ISIG	Siglufjorour
ISKI	Skildingah^‡lshraun
ISKR	Skrokkalda
ISLY	Slysaalda
ISMJ	Smjorgil
ISNB	Snabyli
ISOL	Solvholt
ISVA	Svartarkot
IVAT	Vatnsfell
IVES	Vestmannaeyjar
VIK	Vik
IVOG	Vogar
IVOS	Vogsosar
IVSH	V-Sauoahnukur

Saint Helena

SHEL	Horse Pasture
SHLN	Saint Helena Island

South Georgia Islands

HOPE	Hope Point
KEP	King Edward Point

Tristan da Cunha

TRIS	Tristan da Cunha
I49GB	TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT
TDC1	Tristan de Cunha

AUSTRALASIA

Australasia

NIUE	Niue

Australia

BRSB	Brisbane
Australian Capital Territory	
RNDA	Aranda
BJEM	Burrinjuck
BJDM	Burrinjuck Dam
CAN	Canberra
CNB	Canberra Magnetic Observatory
KOW	Kowen Forest
Macquarie Islands	
MQI	Macquarie Island
MCQ	Macquarie Island
New South Wales	
ARMA	Armidale
AVO	Avon
BWA	Boorowa
BUDM	Budderoo
CBR	Cabramurra
CAB	Cabramurra
CAH	Castle Hill
CTBM	Cataract Bedrock
CTDM	Cataract Dam
CAVM	Cavillon
CHAM	Chaffey Accelerograph
CHFM	Chaffey Dam
CMSA	Cobar Meteorology Station
CMS	Cobar Meteorology Station
EPSO	Coonabarabran
COO	Cooney Tunnel
COPM	Copeton
DLN	Dalton (NSW)
EUGM	Eugowra
FTZM	Fitzroy Falls
GEE	Geehi
GBBM	Glenbawn Bedrock
GBAM	Glenbawn Dam
GLNM	Glennies Creek Dam
GRVM	Greaves Creek
GUND	Gundaroo
HLA	Hall's Lagoon
INV	Inveralochy

Code	Station Name	Other
IVY	Inveralochy	
IVN	Inveralochy	
JBRM	Jenolan Black	
JNL	Jenolan Caves	
JIN	Jindabyne	
KANM	Kanangra Walls	
KPTM	Keepit Bedrock	
KPAM	Keepit Dam	
KHA	Khancoban	
KTLM	Kings Tableland	
WOOD	Lake Woodford	
LER	Lerida	
LBXM	Letterbox	
LHI	Lord Howe Island	
LOSM	Lostock Dam	
LHBM	Lucas Heights	
MGCD	Mangrove Creek Dam	
MKPT	Marks Point, NSW, Australia	
MEG	Meangora	
MILA	Mila	
MEA	Monteagle	
MBA	Mount Bingar	
CPXM	Mount Cotopaxi	
NARM	Nariel	
NATM	Nattai	
PHDM	Pipehead	
RIV	Riverview	
SBR	S Black Range	
SPRM	Split Rock	
STK	Stephens Creek	
STKA	Stephens Creek	
SYD	Sydney	
SYDH	Sydney Hard	
TAO	Talbingo	
TALM	Tallowa	
TALL	Tallowa Pump Stn	
TPND	Tumut Pond Dam	
WAM	Wambrook	
WGBM	Warragamba	
WDBM	Warragamba Dam	
WER	Werombi	
WRNM	Woronora	
WYA	Wyangala	
YERM	Yerranderie	
YOU	Young	
YNG	Young	
Norfolk Island		
NRFK	Norfolk	
NIA	Norfolk Island	
NFK	Norfolk Island	
Northern Territory		
ASP	Alice Springs	
ASPA	Alice Springs	
ASAR	Alice Springs Array Beam Reference Point	
AS01	Alice Springs Array Site 1	
AS10	Alice Springs Array Site 10	
AS11	Alice Springs Array Site 11	
AS12	Alice Springs Array Site 12	ASAR
AS13	Alice Springs Array Site 13	
AS14	Alice Springs Array Site 14	
AS15	Alice Springs Array Site 15	
AS16	Alice Springs Array Site 16	
AS17	Alice Springs Array Site 17	
AS18	Alice Springs Array Site 18	
AS19	Alice Springs Array Site 19	
AS02	Alice Springs Array Site 2	
AS03	Alice Springs Array Site 3	
AS04	Alice Springs Array Site 4	
AS05	Alice Springs Array Site 5	
AS06	Alice Springs Array Site 6	
AS07	Alice Springs Array Site 7	
AS08	Alice Springs Array Site 8	
AS09	Alice Springs Array Site 9	
AS31	Alice Springs Site	
DAR	Darwin	
DPH	Darwin Parliament House	
DRS	Darwin Rock Store	
KDU	Kakadu	
KAKA	Kakadu	
MTN	Manton Dam	
WRAB	Tennant Creek	
WB1	Warramunga Ar.	
WCB	Warramunga Array	
WRB	Warramunga Array	
WRA	Warramunga Array Beam Reference Point	
WB0	Warramunga Array Site B0	
WB2	Warramunga Array Site B2	
WB3	Warramunga Array Site B3	
WB4	Warramunga Array Site B4	
WB5	Warramunga Array Site B5	
WB6	Warramunga Array Site B6	
WB7	Warramunga Array Site B7	
WB8	Warramunga Array Site B8	
WB9	Warramunga Array Site B9	
WC1	Warramunga Array Site C1	
WC2	Warramunga Array Site C2	
WC3	Warramunga Array Site C3	
WC4	Warramunga Array Site C4	
WR0	Warramunga Array Site R0	
WR1	Warramunga Array Site R1	
WR2	Warramunga Array Site R2	
WR3	Warramunga Array Site R3	
WR4	Warramunga Array Site R4	
WR5	Warramunga Array Site R5	
WR6	Warramunga Array Site R6	
WR7	Warramunga Array Site R7	
WR8	Warramunga Array Site R8	
WR9	Warramunga Array Site R9	
WRAI	Warramunga Infrasound Array Beam Reference Point	
Queensland		
AWOON	Awoonga Dam	
AWDQ	Awoonga Dam 3	
BEEN	Beenleigh	
BOON	Boondooma	
BDMQ	Boondooma Dam	
BRS	Brisbane	
BN2S	Brisbane 2 Soft	
BR1	Brisbane hardrock	
BR2	Brisbane softrock	
BSLQ	Bruslee	
WBAQ	Buaraba 3	
BURD	Burdekin Lookout	
CNS2	Cairns-h acc only	
CNS1	Cairns-h seis/acc	
CTA	Charters Towers	
CTAO	Charters Towers	CTA
CHIL	Chillagoe	
COEN	Coen	
CVLQ	Collinsville	
DLBQ	Dalbeg	
DNGQ	Doongara	
EASTN	East End Reserv.	
EIDS	Eidsvold	
FAIR	Fairbairn	
FGTQ	Fig Tree	
FS03	Four Seasons	
FRED	Fred Haigh	
GLADS	Gladstone Plant	
BGRQ	Glenroy	
GC1S	Gold Coast 1 Soft	
GC2F	Gold Coast 2 Fill	
GC2	Gold Coast Softrock	
GC1	Gold Cst Hrdrock	
HINZ	Hinze Dam	
KDA	Kuranda	
WMBQ	Mount Brisbane	
MCPQ	Mount Cooper	
MHPQ	Mount Hope	
ISQ	Mount Isa	
QIS	Mount Isa	
MORG	Mount Morgan	
MTSU	Mount Surprise	
PETE	Peter Faust Dam	
PDDM	Pindari Dam	
WPMQ	Pine Mountain	
QLP	Quilpie	
WRCQ	Reedy Creek 5	
RK1	Rhampton Hrock	
RK2	Rhampton Srock	
RK2S	Rockhampton 2 Soft	
RTQ	Roma	
RMQ	Roma	
RDSS	Rosedale State School	
WTRQ	Thallon Road	
TINA	Tinaroo	
WTGQ	Toogoolawah	
WOOM	Toowoomba	
TW1H	Toowoomba 1 Hard	
TVL	Townsville	
TV1	Townsville Hrock	
TV2	Townsville Softrock	
UKAQ	Ukalunda	
WWHQ	Wivenhoe Hill 3	
WPA	Woody Point	
South Australia		
ADE	Adelaide	
ARKL	Arkaroola	
BBOO	Buckleboo	
CLV	Cleve	
EDO	Endilloe	
GLEN	Glenside	
GHSS	Government House	
HTT	Hallett	
HML1	Hamley Bridge	
HKER	Hawker	
HWKN	Hawk's Nest	
HKN	Hawks Nest	
HMV1	Hindmarsh Valley	
ILN	Island Lagoon	
KELC	Kelly Hill Caves	
MPTV	Morphett Vale	
MGBR	Mount Gambier	
MRAT	Mt Rat	
MYP	Myponga	
NAPP	Napperby	
NBK	Nectar Brook	
PLMR	Palmer	
PARN	Parndana	
PNA	Partacoona	
PTPS	Port Pirie	
RPA	Roopena	
SDAN	Sedan	
SNL	Sevenhill	
STR2	Strathalbyn	
UTT	Tea Tree Gully	
TWOA	Tennyson Woods	
THS	The Heights School	
UMB	Umberatana	
WHYH	Whyalla	
WKA	Willalooka	
FR27	Wilpena Pound	
WSA	Woomera	
YE6	Yeelanna, site6	
Tasmania		
BNE	Burnie High School	
CORO	Coronation Park	
GEES	Gees Lookout	
GLAD	Gladstone	
FNT	Hobart	
MARG	Lake Margaret	
MIKA	Lake Mikany	
LMT	Lemonthyme	
MOO	Moorlands	
CLAW	Mount Claude	
NELS	Mount Nelson	
MTRD	Mount Read	
POAT	Poatina	
QTN	Queenstown	
SVR	Savage River	
SAV	Savannah	
SPK	Scotts Peak	
SFF	Sheffield	
STG	Strathgordon	
STGV	Strathgordon Vge	
LEAH	Tarraleah	
TRR	Tarraleah	
TAU	Tasmania University	
Victoria		
ABEM	Aberfeldy	
BRAT	Ballarat	
BANM	Bannockburn	
BFD	Bellfield	
BOV	Bogong Mts	
BRWK	Brunswick	
BUV	Buchan	
BUCN	Buchan	
BUCM	Buckrabanyule	
CCRM	Cairn Curran	
CDNM	Cardinia	
GEAM	CSIRO Animal Health Laboratory	
DRT	Dartmouth	
DDBM	Dartmouth Bedrock	
DDCM	Dartmouth Crest	
DTMM	Dartmouth Digital	
DVBM	Devilbend	
DRAM	Dora Dora	
DROM	Dromana	
FSHM	Fish Creek	
FRTM	Forrest	
GLMM	Glenmaggie	
GVL	Greenvale	
HEXM	Hexham	
HUMM	Hume Dam	
IVSM	Inverness	
JENM	Jeeralang Junction	
KOWM	Kowarra	
LGTM	Lightning Creek	
MACM	Macedon	
MEL	Melbourne	
MITM	Mitta Mitta	
MLWM	Molesworth	
MDRM	Moondarra Dam	
MPDM	Moonee Ponds	
ARPS	Mount Arapiles	
HOPM	Mount Hope	
MTV	Mount Tassie	
MTLM	Mount Tassie Tower	
GOGM	North Grampians	
ROYM	Rob Roy	
ROKL	Rocklands	
ROKM	Rocklands Reservoir	
LYNN	Rosslynne Res.	
ROWM	Rowsley	
RUSM	Rushworth	
SHYM	Surrey Hills	
TATM	Tatong	
TECM	TEC LaTrobe	
TOMM	Thomson	
TOO	Toolangi	
WILL	Willung South	
Western Australia		
BAL	Ballidu	
BLDU	Ballidu	
WA4	Burakin	
CANN	Canning Dam	
CARL	Carlisle	
COOL	Coolgardie	
DAM	Dampier	
DOCK	Docker River	
FITZ	Fitzroy Crossing	
FITX	Fitzroy Crossing	
FORT	Forrest	
FORR	Forrest	
GLS	Giles	
GIRL	Giralia	
KLGA	Kalgoorlie	
KLG	Kalgoorlie	
KMBL	Kambalda	
KAA	Karratha	
KLB	Kellerberrin	
KLBR	Kellerberrin	
KNA	Kununurra	
KNRA	Kununurra	
MBL	Marble Bar	
MBT	Marble Bar	
MBWA	Marble Bar	
MEK	Meekatharra	
MEEK	Meekatharra	
MEKA	Meekatharra	
MORW	Morawa	
MRWA	Morawa	
MTKN	Mount Kenneth	
MUN	Mundaring	
NANU	Nanutarra	
NAU	Nanutarra	
NWA	Narrogin	NWAO
NWAO	Narrogin (SRO)	
NDA	Nedlands	
PER	Perth	
PSA00	Pilbara Seismic Array Element 00	
PSAA1	Pilbara Seismic Array Element A1	
PSAA2	Pilbara Seismic Array Element A2	
PSAA3	Pilbara Seismic Array Element A3	
PSAB1	Pilbara Seismic Array Element B1	
PSAB2	Pilbara Seismic Array Element B2	
PSAB3	Pilbara Seismic Array Element B3	
PSAC1	Pilbara Seismic Array Element C1	
PSAC2	Pilbara Seismic Array Element C2	
PSAC3	Pilbara Seismic Array Element C3	
PSAD1	Pilbara Seismic Array Element D1	
PSAD2	Pilbara Seismic Array Element D2	
PSAD3	Pilbara Seismic Array Element D3	
RKG	Rocky Gully	
RKGY	Rocky Gully	
SWV	Swan View	
WA3	Talbot Brook	
WA2	Wagin	
WRKA	Warakurna	
WARB	Warburton	
WBN	Warburton	
WAT	Watheroo	
WA1	Wongan Hills	
WOOL	Woolibar	
Chatham Islands		
I36NZ	CHATHAM INFRASONIC ARRAY REFERENCE POINT	
New South Wales		
REDH	Redhead, NSW Australia	
New Zealand		
Campbell Island		
CBZ	Campbell Island	
Chatham Islands		
CTZ	Chatham Island	
CIZ	Chatham Islands	
Kermadec Islands		
GLKZ	Green Lake	
RAO	Raoul Island	
RIZ	Raoul Island	
KRHZ	Kereru	
PWZ	Pawanui	
POWZ	Post Office Road	
WPHZ	Waipukurau	
North Island		
ALRZ	Allen Road	
ANWZ	Angora Road	
RAHZ	Arahi	
ARA	Arapuni	
ABAZ	Army Bay	
ARHZ	Aropaoanui	
AUC	Auckland	
BHW	Baring Head	
BLW	Big Hill	
BFZ	Birch Farm	
BSWZ	Blackbirch Station	
BHHZ	Black Hill Station	
BKZ	Black Stump Fm	
BUN	Bunnythorpe	
BSZ	Bushy Park	
CAW	Cannon Point	
CMWZ	Cape Campbell	
CKHZ	Cape Kidnappers	
CRZ	Cape Reinga	
CNGZ	Carnagh Station	
CAZ	Castlepoint	
CPWZ	Castlepoint	
CNZ	Chateau	
COVZ	Chateau Observatory	
DVHZ	Dannevirke	
DNN	Dannevirke	
DFE	Dawson Falls	
DRZ	Dome Shelter	
DREZ	Durham Road	
ECZ	East Cape	
ETAZ	East Tamaki Reservoir	
EDRZ	Edgecumbe	
FWVZ	Far West T-bar	
GRRZ	Galatos Road	
GNZ	Gisborne	
GSZ	Glacier Shelter	
GBZ	Great Barrier	
GRZ	Great Barrier Island	
HRRZ	Handcock Road	
HARZ	Haroharo	
HAS	Hastings	
HIZ	Hauiti	
HNZ	Havelock North	
HNHZ	Havelock North	
HBAZ	Herne Bay Borehole	
HBZ	Hicks Bay	
HLRZ	Highlands Station	
HATZ	Hinemaiaia	
HITZ	Hingarae	
HOWZ	Holdsworth Station	
HSRZ	Hossack Road	
HUTZ	Huka	
KUTZ	Kaahu Road	
KARZ	Kaharoa	
KHEZ	Kahui Hut	
KAHZ	Kahuranaki	
KIT*	Kaitaia	
KATZ	Kakaramea	
KIW	Kapiti Island	
KBAZ	Karaka Road Borehole	
KRP	Karapiro	
KAVZ	Karewarewa	
KRVZ	Karewarewa	
KAAZ	Kauri Point	
KWHZ	Kaweka Forest	
KETZ	Ketetahi	
TKEZ	Kiri Road	
KNZ	Kokohu	
KUZ	Kuaotunu	
LREZ	Lake Rotokare	
LIRZ	Lichensteins Rd	
MAHZ	Mahia	
MHGZ	Mahia Peninsula	
MOZ	Mahoenui	
MRW	Makara Radio	
MKRZ	Makatiti	
MARZ	Manawahe	
MNG	Mangahao	
MHEZ	Mangahewa	
MRZ	Mangatainoka River	
MTVZ	Mangateitei	
MRH	Marewa	
MXZ	Matakaoa Point	
MWZ	Matawai	
MRHZ	Matea Rd	
MGZ	Maungaku	
MYRZ	Mayor Island	
MCHZ	McNeill Hill	
MOVZ	Moawhango	
MOH	Mohaka	
MOW	Moikau	
MSWZ	Moikau Station	
MTAZ	Motutapu	

Code	Station Name	Other
MKAZ	Moumakai	
AMW	Mount Adams	
MTW	Mount Morrison	
TARZ	Mount Tarawera	
NMEZ	Namu Road	
NPR	Napier	
NMHZ	Naumai	
NWEZ	Newall Road	
NPZ	New Plymouth	
NRZ	Ngariki Road	
NGZ	Ngauruhoe	
NEZ	North Egmont	
NOZ	North Gisborne	
OPRZ	Ohinepanea	
OIZ	Oio	
OUZ	Omahuta	
OMRZ	Omania	
ONE	Onerahi	
OTW	Orongorongo Tunnel	
OGWZ	Otaki Gorge	
OTAZ	Otara	
OTVZ	Oturere	
PATZ	Paeroa	
PLWZ	Palliser	
PREZ	Palmer Road	
PAHZ	Panekirikiri	
PARZ	Papamoa	
PRGZ	Paritu Road	
PAWZ	Paruwai Farm	
PXZ	Pawanui	
PRRZ	Plateau Road	
PKVZ	Pokaka	
PGZ	Pongaroa	
PRHZ	Porangahau	
PRWZ	Pori Road	
PKE	Pukeiti	
PNHZ	Pukenui	
PUZ	Puketiti	
QHW	Quartz Hill	
RBY	Rainbow Mountain	
RAEZ	Rainy Point	
RGZ	Rangipo	
RATZ	Rangitukua	
RUZ	Raurimu	
RAGZ	Rawiri	
RRRZ	Republican Road	
RITZ	Rihia Road	
RIGZ	Rimuhau	
RVAZ	Riverhead Borehole	
ROS	Roseneath	
ROT	Rotorua	
STN	Seatoun	
SNGZ	Shannon Station	
SNZO	South Karori	
STZ	Stratford	
TOZ	Tahuroa Road	
TSZ	Takapari Road	
TRZ	Taradale	
TTH	Taradale Trig	
TAHZ	Taraponui	
TNZ	Tarata	
TAZ	Tarawera	
TGRZ	Tauranga	
TWVZ	Taurewa	
TWGZ	Tauwhareparae	
TEHZ	Te Atua	
HAZ	Te Kaha	
TKGZ	Te Karaka	
TMWZ	Te Maipa	
TIWZ	Tintock	
TLZ	Tolley Road	
TON	Tongariro	
TRWZ	Traveller	
TUA	Tuai	
TUTZ	Tuhingamata	
TUVZ	Tukino	
TRVZ	Turoa	
URZ	Urewera	
UTU	Utuhina	
VRZ	Vera Road	
WNVZ	Wahianoa	
WTAZ	Waiatarua	
WIAZ	Waiheke Island	
WHHZ	Waihua	
WGZ	Waimangu	
WDW	Wainui Dam	
WMGZ	Waiomatatini Station	
WCZ	Waipu Caves	
WNZ	Wairakei	
WATZ	Wairara	
WAHZ	Wakarara	
WAZ	Wanganui	
WEL	Wellington	
WTVZ	West Tongariro	
WHTZ	Whakaora	
WPVZ	Whakapapa	
WPRZ	Whakapapataringa	
WTZ	Whakatane	
WHH	Whakatau	
WHVZ	Whangaehu Hut	
WLZ	Whitehall	
WIZ	White Island	
WHW	Wright's Hill	
South Island		
AXZ	Alexandra	
BWZ	Berwen	
BBW	Black Birch	
BRZ	Borland Lodge	
BCZ	Braida Crags	
BSP	Bush Stream	
CFC	Cairnmuir Flats	
CMCZ	Cairnmuir Mts	
CRLZ	Canterbury Laser	
CCW	Cape Campbell	
CMZ	Cashmere	
CHR	Christchurch	
CYZ	Clyde	
CDZ	Cobb Dam	
COB	Cobb River	
DCZ	Deep Cove	
DNS	Denniston	
DSZ	Denniston North	
DMP	Diadem	
DNZ	Dunedin	
DND	Dunedin-Penfold	
DUWZ	D'Urville Island	
DIW	D'Urville Island	
EAZ	Earnscleugh	
EWZ	Erewhon	
FLW	Foulwind	
FOZ	Fox Glacier	
GPZ	Gebbies Pass	
GSP	Gladstone Stream	
GFW	Glenfield	
GLE	Glenmuick	
GRY	Greymouth	
HHSZ	Highcliff Hill	
HHP	Hogget Hill	
HGP	Huxley Gorge	
JCZ	Jackson Bay	
KHZ	Kahutara	
KKZ	Kaikoura	
KKY	Kaikoura West	
KAI	Kaimata	
LBZ	Lake Benmore	
LMZ	Lake Moeraki	
LTZ	Lake Taylor	
LRCZ	Leaning Rock	
LSCZ	Lilico Spur	
MLZ	Mavora Lakes	
MQZ	McQueen's Valley	
MSZ	Milford Sound	
MNW	Monowai	
MHZ	Mount Horn	
MJZ	Mount John	
MJP	Mount John Pukaki	
MMP	Mount Mary	
MMCZ	Mount Michael	
MSCZ	Moutere Station	
NNZ	Nelson	
OMZ	Oamaru	
ODZ	Otahua Downs	
OXZ	Oxford	
PPZ	Puysegur Point	
PYZ	Puysegur Point	
QRZ	Quartz Range	
RPZ	Rata Peaks	
RHP	Rhoboro Hills	
RTY	Rotoiti	
ROX	Roxburgh	
RTP	Ruataniwha	
SYZ	Scrubby Hill	
SBCZ	Sonora Basin	
TAK	Takaka	
THP	Tara Hills	
TMP	Tomahawk Gully	
THZ	Tophouse	
TCW	Tory Channel	
TBC	Trig B	
TLC	Trig L	
TUWZ	Tuamarina	
TUZ	Tuapeka	
WPZ	Waipapa Point	
WAI	Wairiri	
WVZ	Waitaha Valley	
WKZ	Wanaka	
WHZ	Wether Hill Road	
Stewart Island		
OBZ	Oban	
SIZ	Stewart Island	
APZ	The Paps	
Northern Territory		
I07AU	WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	
North Island		
AWAZ	Awhitu Peninsula	
KMRZ	Kaimai	
MUGZ	Murupara	
OHWZ	Ohakea	
PKGZ	Pakihiroa	
RUGZ	Raukumara Range	
RTZ	Ruatahuna	
WHRZ	Whale Island	
South Island		
INZ	Inchbonnie	
Tasmania		
I05AU	HOBART INFRASONIC ARRAY REFERENCE POINT	
Western Australia		
H01W1	Cape Leeuwin Hydroacoustic Site W1	
H01W2	Cape Leeuwin Hydroacoustic Site W2	
H01W3	Cape Leeuwin Hydroacoustic Site W3	
I04AU	SHANNON INFRASONIC ARRAY REFERENCE POINT	

CARIBBEAN SEA

Anguilla		
SWIP	Sombrero	
Antigua and Barbuda		
Antigua		
ANG	Antigua	
AWI	Antigua	
BPA	Boggy Peak	
Barbuda		
BWI	Barbuda	
CPB	Codrington	
O6A	E Barbuda OBS	
ANWB	Willy Bob	
Barbados		
B5GA	5 Glenshane	
BDS	Barbados	
BRB	Barbados	
BDH	Highclere	
BBSP	Saint Philip	
Cayman Islands		
LCCY	Blossom Village, Little Cayman	
FSCY	Frank Sound, Grand Cayman	
GCM	Grand Cayman	
CBCY	The Bluff, Cayman Brac	
WBCY	West Bay, Grand Cayman	
Cuba		
CCCC	Cccc	
CISC	Cisc	
GM-	Guantanamo	GM-CU
GTMO	Guantanamo	
GM-CU	Guantanamo	
GBC	Guantanamo Bay	
HLGC	Holguin	
HOL	Holguin	
LMGC	Las Mercedes	
MGV	Manicaragua	
MASC	Masc	
MOAC	Moa	
PINC	Pinares de Mayari	
RCC	Rio Carpintero	
SABC	Sabc	
SOR	Soroa	
YAR	Yar	
Dominica		
BBL	Barber's Block	
DBCT	Belle View Chopil	
PSDMB	Cotton Hill	
DOM	Dominica	
DFBT	Forest Bistro	
DGBT	Grand Bay	
DLPL	La Plaine	
DLVT	Layou Valley	
MDN	Morne-Daniel	
DPMT	Pointe Michel	
PSDMZ	Portsmouth	
DSHT	Scott's Head	
DSC	Scotts Head	
PSDMA	Soufriere	
DSVT	Soufriere Village	
DSTT	Stowe	
DTMT	Tete Morne	
DVDT	Valley Desolation	
DVCT	Vielle Casse Police Station	
DWS	Wesley	
Dominican Republic		
DR10	Alto Bandera	
BANI	BANI	
ROBI	Boca de Chavon	
SDD09	Ceiba Bonita	
GUAY	Guayacanes	
SDD06	Hatillo	
SAON	Isla Saona	
DR07	Jarabacoa	
JIDR	Jimani	
DR01	Juana Nunez	
DR1	Juana Nunez	DR01
DR06	La Diferencia	
DR6	La Diferencia	DR06
DR05	La Lomota	
DR5	La Lomota	DR05
DR11	La Yayitas	
SACA	Loma Carmona	
SDD01	Loma Colora	
SDD07	Loma El Cafe	
MAVI	Loma El Joboban	
SDD04	Loma El Mogote	
LOMO	Loma en Medio	
SDD03	Loma La Ceniza	
DR08	Loma La Naviza	
DR8	Loma La Naviza	DR08
SDD05	Loma Manaclilla	
DR12	Loma Pena Alta	
QUES	Loma Quita	
SDD02	Loma Siseviere	
SDD08	Loma Yayales	
DR04	Monte Llano	
DR4	Monte Llano	DR04
SDD10	Monte Rojo	
NADR	Nagua	
DR09	Piedra Blanca	
DR03	Pinalito	
DR3	Pinalito	DR03
PPDR	Puerto Plata	
PUCA	Punta Cana	
PCDR	Punta Cana, DR	
SMN1	Samana, DR	
DR13	Sanchez	
DR02	San Jose de las Matas	
PUCM	Santiago	
STDO	Santo Domingo	
SDD	Santo Domingo	
DR14	Sierra Prieta	
DR15	Siete Picos	
Grenada		
GRCU	Cariacou	
GRE	Grenada	
GRIC	Isle de Caille	
GRW	Mount Saint Catherine	
MCG	Mt St Catherine	GRW
GRHS	Sauteurs	
GRSS	Sisters	
Guadeloupe		
ABGF	Abri du Galion	
GABY	Abymes - Guadeloupe	
BTG	Basse Terre	
BCG	Bois Riant Capesterre	
LKG	Breislack	
CRG	Carmichael	
DOG	Dongo Capesterre	
ECG	Echelle	
FNG	Fond-Bernard	
LZG	Guadaloupe-1	
PHG	Guadaloupe-2	
TBG	Guadaloupe-3	
HMG	Houelmont	
IAG	Institut Agronomique	
DEG	La Desirade	
GLMO	Le Moule	
PAG	Le Parnasse	
MGG	Marie-Galante	
MBG	Matouba	
MLG	Mont-d'or	
GDHS	Morne Mazeau, Deshaies	
MSGF	Morne Soldat	
PRGF	Pas du Roy	
GPTB	Petit Bourg	
GCPN	Pointe noire	
SEG	Port Louis	
RMGF	Ravine Marchand	
SCG	Saint Claude	
SFG	Saint Francois	
SSG	Sans Toucher	
TAG	Tarade	
TVG	Trois Rivieres	FBG
FBG	Trois Rivieres	
Haiti		
NQBME	Bureau des Mines et l'Energie	
JAKH	Jacmel	
WSYH	La Gonave Hosp	
LGNH	Le@15oga@12ne	
PEDR	Pedernales	
PAPH	Port-au-Prince	
SSM	Saint Martial	
NQUSE	US Embassy, Port-au-Prince	
Honduras		
Swan Islands		
SWA	Swan Island	
Jamaica		
BBJ	Bamboo Saint Ann	
BEV	Beverley	
BRJ	Black River	
BNJ	Bonny Gate	
CMJ	Castle Mountains	
CVJ	Coleyville	
GWJ	Greenwich	
HOJ	Hope	
HOP	Hope Bay	
KIN	Kingston	
MCJ	Malvern	
MBJ	Montego Bay	
MTDJ	Mount Denham	
NEJ	Negril	
NCJ	New Castle	
PAJ	Port Antonio	
PCJ	Portland Cottage	
PRJ	Port Royal	
RHJ	Red Hills	
SPJ	Spur Tree	
STH	Stony Hill	
YHJ	Yallahs	
Martinique		
ZAM	Aeronautique	
BVM	Bellevue	
BIM	Bigot	
PMCB	Calebasse	
CRM	Caravelle	
FDF	Fort de France	
GBMF	Grand Be	
AIL	L'Aileron	
MVM	Montagne Vauclin	
MPM	Monte-Pele	
BAMF	Morne Balai	
MJM	Morne Jacques	
CXM	Morne La Croix	
LPMF	Morne Lapointe	
PML	Morne Lenard	
PAMF	Morne Pavillon	
PAI	P Aileron	
PCM	Pelee Case Petit	
SVN	Savane Anatole	
TRMF	Trois Ilets	
Montserrat		
MBET	Bethel	
MJHT	Jackboy Hill	
MLYT	Lee's Yard	
MLGT	Long Ground	
MWI	Montserrat	
MVOV	Montserrat Volcano Observatory	
MGH	Saint George's Hill	
MSPT	Saint Patrick	
MDUM		
MBSS		
MBMH		
MBLG		MLGT
MBRV		
MRYT		
MBRY		MRYT
MBBY		
MBGE		
MBGA		
MBWH		
MCPZ		
MBGB		
MGAT		MBGA
Netherland Antilles		
SABT	Saba	
Netherlands Antilles		
SBN	Saba	
SABS	Saba	
STAT	Sint Eustatius	
MRN	Sint Maarten	
STMA	St. Maarten, Airport	
Puerto Rico		
AGP	Aguadilla	
AGPR	Aguadilla, PR	
ABVI	Anegada Island	
APR	Arecibo	
AOPR	Arecibo Observatory	
PWP	Barrio Florida	
CRPR	Cabo Rojo, PR	
CAG	Caguas	
CGV	Camp Garcia	
CBYP	Canovanas	
CBYB	Canovanas	
CSJ	Cape San Juan	
CELP	Cerrillos	
CLLP	Cerrillos	
CDPB	Cerro de Punta	
CDP	Cerro de Punta	
CPD	Cerro la Pandura	
CPDB	Cerro Pandura	
CCA	Coamo	
CSB	Colonia Sabana	
HUMP	Col San Antonio	
CORN	Cornellia Hill	
CULB	Culebra	
CUP	Culebra	
DOS	Dos Bocas Dam	
EYP	El Yunque	
EMPR	Esperanza - Manati, PR	
GBPR	Guanica, Bosque Seco, PR	
ICMP	Isla Caja de Muertos,	

	Puerto Rico	
ICM	Isla Caja Muertos	
IDE	Isla Desecheo	
IMOB	Isla Mona	
IMR	Isla Mona	
IMO	Isla Mona	
LPR	La Peregrina	
LRS	Lares	
LSP	Las Mesas	
LSP2	Las Mesas	
MGPB	Maguayo	
MGP	Maguayo	
MRCP	Maricao	
MPR	Mayaguez	
MCAB	Moca	
MCP	Moca	
MOCA	Moca	
IMPR	Mona Island, PR	
MTP	Monte Pirata	
MTPB	Monte Pirata	
MOV	Morovis	
MEP	Mte del Estrado	
OBIP	Obispado Ponce	
PNP	Penuelas	
PZ-PR	Ponce	
PON	Ponce	
PZ-	Ponce	PZ-PR
PTP	Ponta Puerca	
PORP	Portuguez	
RRD	Roosevelt Roads	
RRP	Roosevelt Roads	
SJG	San Juan	
SJP	San Juan	
SJGC	San Juan (W)	SJG
VQS	Vieques	

Saint Kitts and Nevis

Nevis

NVBH	Bath Hotel, Nevis	
NEV	Hard Times	
NVRH	Round Hill, Nevis	

St Kitts

BSK	Brimstone Hill	
STKP	Saint Kitts	
SKI	Saint Kitts	
SKDB	Saint Kitts 2	
SKTB	Turtle Beach	

Saint Vincent and the Grenadines

St Vincent

SVL	Baleine	
BHS	Barnard House	
SVB	Belmont	
SSV	Crater Summit	
SFAN	Fancy Village	
FCV	Fort Charlotte	
SVG	Indian Gallows	
OHS	Orange Hill	
SOA	Owia	
RSV	Radio Antilles	
SRH	Rilland Hill	
SVI	Saint Vincent	
SVT	Saint Vincent	
SVV	Soufriere Volcano	

St Lucia

SLB	Belfond	
SLDE	Delcer	
SLTA	Morne Tabac	
MCLT	Moule a Chique	
SLPA	Patience	
SLW	Petit Monier	
SLPE	Piton Saint Espirit	
SLI	Saint Lucia	

Trinidad and Tobago

ALNG	Atlantic LNG	
BOT	Bacolet	
TBH	Brigand Hill	
BUAY	Buenos Aires	
TCE	Chacachacare	
TCHG	Chaguaramas	
GNG	Grange	
TTR	Matura	
PIG	Pigeon Point	
PLY	Plymouth	
TPP	Pointe-a-Pierre	
PLS	Point Lisas	
TPR	Prospect	
TPTC	Pt. Cumana	
SIH	Signal Hill	
SIPA	Siparia	
TOSP	Speyside	
TOB	Tobago	
TRN	Trinidad (W)	
TWMO	Westmoorings	

Turks and Caicos Islands

GRTK	Grand Turk	

Virgin Islands

ABV	Anegada	
CGPV	Cottongarden Point	
SCVI	Saint Croix	
SCV	Saint Croix	
SJV	Saint John	
STVI	Saint Thomas	
VST	Saint Thomas	
CDVI	St. Croix	
TBVI	Tortola	
VGVI	Virgin Gorda	
GPV	Virgin Gorda Peak	

CENTRAL AMERICA

Costa Rica

AMAS	Alto Masis	
A492	Arado	
AR1	Arenal	
ARE1	Arenal 1	
AROL	Arenal Observatory Lodge	
BANL	Banca Lucia	
LAJ	Bijagual	
GPS3	Bodega del ICE en Pailas	
GB1A	Borinquen Arriba	
BUS	Buena Vista	
BUEV	Buena Vista	
AR7	Cape Frico	
APPA	Casa Mˆ¡quinas Las Pailas	
APGM	Casa Mˆ¡quinas Miravalles	
CASO	Castillo	
CDRL	Cedral	
CDL2	Cedral	CDRL
ACR	Cerro Adams	
CDM	Cerro de Muerte	
CGAC	Cerro Gallo	
CGA2	Cerro Gallo 2	
AR6	Chiripa	
CHPA	Chiripa	
CAO	Cobano	
ICCO	Coco Island	
COLC	Colonia	
COCR	Colorado	
CTCR	Cotoan	
A10	Crater	
CUI	Cuipilapa	
2RIO	Dos Rios de Upala	
A495	El Viejo	
SJS	Escuela Geologia	
EPA	Esparza	
FIBO	Fila Bonilla	
FICA	Fila Carbon	
LAPC	Finca la Perla	
GBS3	Finca Las Im¡genes	
FORC	Fortuna	
GPS1	Guardaparques de Rincˆ‡n de la Vieja	
GUAB	Guayabo de Bagaces	
HDC	Heredia	
HDC2	Heredia 2	
HORNC	Hornillas	
GPS2	Hotel Rincˆ‡n de la Vieja Lodge	
IDC	Isla del Cano	
ICO	Isla del Coco	
JCR	Jicaral	
JUD	Juan Diaz	
JUD2	Juan Diaz 2	
JTS	JuntasAbangares	
CRZC	La Cruz	
AR2	Lago de Cote	
CEDE	Laguna Cedeˆ–o	
LCR	La Lucha	
LCR2	La Lucha 2	
LLC	La Lucha Farm	
LARO	La Roca	
GBS2	Las Lilas	
LIO	Limon	
LICR	Limon	
LNCR	Limon	
LIM1	Limonal	
LOLA	Los Lagos	
MESS	Mesas	
AR8	Nicoya	
AR9	North	
OCM	Ochomogo	
PALO	Palomo	
A494	Palo Verde	
PTEN	Parque Tenorio	
PICA	Picada	
POA	Poas	
POA2	Poas 2	
PTCR	Potenciana	
POCR	Potenciana 2	
PBO3	Pozo tres de Borinquen	
PUJ	Puerto Jimenez	
MOIN	Puerto Moin	
PBC	Punta Burica	
PRS1	Puriscal	
QCR	Quepos	
QPS	Quepos	
RMCR	Rio Macho	
SDS	Sanatorio Duran	
SJR	San Jose	
A490	San Lazaro	
SPS	San Pedro Poas	
SRA	San Ramon	
AR5	Santa Elena	
SVTC	San Vito de Coto Brus	
SELF	Sixty Eight Flow	
AR4	Solania	
TLLA	Tiendilla	
AR3	Tierras Morenas	
TIG	Tigre	
TRTC	Tortuguero	
TUI	Tuis	
NY14	Universidad de la EARTH en Liberia	
URSC	Urasca	
VCR	Vista de Mar	
VACR	Volcan Arenal	
ICR	Volcan Irazu	
IRZ	Volcan Irazu	
IRZ2	Volcan Irazu 2	
VPS	Volcan Poas	
VPS2	Volcan Poas 2	
RIN	Volcan Rincon	
RIN2	Volcan Rincon	
RIN3	Volcan Rincon	
VTU	Volcan Turrialba	
WARN	West Arenal	
BAR1		

El Salvador

ADES	Adelaida	
AHU	Ahuachapan	
AYA	Ayagualo	
BLLM	Bellamira	
BOQS	Boqueron	
CAHU	Cacacuatique	
CTAS	Cauta	
CIGS	Centro de Investigaciones Geotecnicas	
COAS	Coatepeque	
CNCH	Conchagua	
CUSS	Cusmapa	
ANGS	El Angel	
LFRS	El Faro	
RTR	El Retiro	
HUES	Huehuecho	
LCBS	La Ceiba	
LFU	La Fuente	
LPS	La Palma	
LBRS	Las Brisas	
AIES	Las Flores	
GRDS	Las Granadillas	
LALZ	Loma Alta	
LGUZ	Los Guarumos	
MTO	Montecristo	
MTO2	Montecristo 2	
NANS	Nanahuazin	
NCS	Nueva Concepcion	
OJOS	Ojo de Agua	
PICS	Picacho	
QZA	Quezalapa	
RBDL	Robledal	
SBLS	San Blas	
SJAS	San Jacinto	
SNJE	San Jose	
VSM	San Miguel	
SSS	San Salvador	
SJUZ	Santa Julia	
SDMZ	Santiago de Maria	
SDM	Santiago Maria	
SNVI	San Vicente	
SNET	Serv Nac Est Terr	
SONS	Sonsonate	
TCPZ	Tecapa	
TME	Tecomasuche	
VSS	Volcan San Salvador	
YPE	Yupe	
MUMZ		
SANZ		

Guatemala

BVG	Bouganvilia	
BVA	Buena Vista	
CIM	Chimachoy	
APG	El Apazote	
FGO	Fuego	
FGO2	Fuego 2	
FUG	Fuego 3	
GCG	Guatemala City	
HUG	Huitzitzil	
ITG	Itzapa	
IXG	Ixpaco	
JAT	Jato	
JMG	Jumaytepeque	
JNJ	Junjel	
KJA	Kiajanaja	
KIK	Kika Raxquin	
KKG	Kukul	
LHG	La Concha	
CMG	La Cumbre	
CMG2	La Cumbre 2	
FLS	Las Flores	
NBG	Las Nubes	
LVG	La Victoria	
LTG	Los Tablones	
MMG	Magdalena	
MRL	Marmol	
MYT	Moyuta	
OCG	Ocos	
OC2	Ocos 2	
OLG	Olintepeque	
PCG	Pacaya	
PSG	Pto de San Jose	
PSG2	Pto San Jose 2	
QZG	Quezaltepeque	
RDG	Rabinal	
REC	Recreo	
SBL	Sacbachol	
SXG	Sacranix	
SLP	San Antonio	
SJT	SanJuan Tecuaco	
SOG	Santiaguito	
SOG2	Santiaguito 2	
SBG	Sibinal	
SLG	Sinonel	
TCG	Tacana	
TEP	Tecpan	
TP2	Tecpan 2	
TER	Terranova	
VLG	Velasquez	
YUP	Yupiltepeque	
ZIS	Zishin	
FG6		

Honduras

CHUH	Cerro de Hula	
HLH	Cerro de Hule	
LHAH	Las Aradas	
LTH	Lepaterique	
SSU	San Pedro Sula	
TGUH	Tegucigalpa,Univ of Honduras	
UNAH	Universidad Nacional Autonoma de Honduras	

Nicaragua

Managua

HUEN		
CSAN		
ACY	Acoyapa	
AGUN	Aguas Calientes	
WILN	Americas 2	
APY	Apoyeque	
APYN	Apoyeque	
APON	Apoyo	
ASE	Aserradero	
BOA1	Boaco	
BOA	Boaco	
BOAB	BOACO BROADBAND	
CNGN	Cerro Negro	
CHIN	Chinandega	
CNR	Chonco	
COFN	Cofrada	
CONN	Concepcion	
COPN	Copaltepe	
COS	Cosiguina	
CYN	Coyotepe	
CRUN	El Crucero	
XAVN	Gruta Xavier	
JIG	Jinotega	
TISN	Laguna Tiscapa	
LNB	Las Nubes	
LEON	Leon	
LIY	Limay	
MGAN	Managua	
MCH	Masachapa	
MASN	Masaya	
MMO	Medio Mundo	
MIRN	Miramar	
MOCN	Mocoron	
MOBN	Mombacho	
MOMJ	Momotombo	MOMN
MOMN	Momotombo	
MOYN	Moyogalpa	
OME	Ometepe	
PYTN	Playitas	
PYT	Playitas	
PYN	Poneloya	
QUIN	Quiabu	
RTN	Rota	
CRIN	San Cristobal	
SSN	San Juan del Sur	
SSNN	San Juan del Sur	
SMCN	San Marcos	
SCRN	Santa Cruz	
SOMN	Somoto	
TELN	Telica	
TEL3	Telica 3	
TICN	Ticuantepe	
VER	Veracruz	
MADN	Villa Maderas	

Panama

ACLA	Agua Clara, Sierra Llorona en Colsn	
ACH	Altos	
AZU	Azuero	
BHP	Balboa Heights	
BRU	Baru	
BYN	Bayano	
JEF	Cerro Jefe	
CNI	Changuinola	
ECO	Colon	
ECO2	Colon	
DVD	David	
FH-PM	Fort Sherman	
FH-	Fort Sherman	FH-PM
FTA	Fortuna	
IPE	Ipeti	
BCIP	Isla Barro Colorado	
LGT	Lagarterita	
LVS	La Villa de Los Santos	
UPD2	Meteti	
BASP	Panama	
AZU2	Pedasi@15	
PNME	Penonome	
PTP1	Petroterminal	
PINA	Piqa, Costa Abajo de Colsn	
ARM	Puerto Armuelles	
ARM2	Puerto Armuelles 2	
SFX2	San Felix	
UPD1	Univ de Panama	
UPA	Univ. de Panama@15	
BRU2	Volcan	
ZANG	Zanguenga, Chorrera	
UPIG		
TBS2		

EUROPE

Albania

BCI	Bajram Curri	
BERA	Berati	
FRZ	Fierza	
KMA	Kami	
KBN	Korca	
KKS	Kukesi	
LACI	Lac	
LSK	Leskovik	
PHP	Peshkopia	
PRZA	Preza	
PUK	Puka	
QSH	Qafa e Shtames	
SRN	Sarande	
SDA	Shkodra	
TPE	Tepelena	
TIR	Tirane	
VLO	Vlora	

Andorra

PAND	Andorre	
ARBS	La Rabassa	

Austria

ABTA	Abfaltersbach	
ARSA	Arzberg	
CSNA	Conrad Observatory	
CONA	Conrad Observatory	
DAVA	Damuels	
FETA	Feichten	
GHA	Glashutten	
GRA	Graz	
IBK	Innsbruck	
INN	Innsbruck	
KFA	Klagenfurt	
KBA	Koelnbreinsperre	
KMR	Kremsmunster	
LTA	Leoben	
MZA	Mariazell	
MOA	Molln	
MOTA	Moosalm	
OGA	Obergurgl	
OBKA	Obir	
PIA	Pitten	
RETA	Reutte	
SQTA	Sankt Quirin	
SCE	Schlegeis	
SOKA	Soboth	
MYKA	Terra Mystica	
VIE	Vienna	
VKA	Vienna	
WATA	Walderalm	
WTTA	Wattenberg	

Auvergne

ACDF	Aurillac	

Azores

H07N1	FLORES T-PHASE SITE N1	
H07S1	FLORES T-PHASE SITE S1	
I42PT	GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	

Bayern

I26DE	FREYUNG INFRASONIC ARRAY REFERENCE POINT	
GEC2A	GERESS ARRAY SITE C2A	
GEC2B	GERESS ARRAY SITE C2B	

Belarus

Code	*Station Name*	*Other*
NE54	Brest	
NE57	Homyel'	
MNK	Minsk	
MICGM	Minsk	
NACGM	Naroch	
NE53	Naroch'	
Belgium		
BBOU	Bougnies	
BCLA	Clavier	
BCES	Court-Saint-Etienne	
BDSL	Dessel	
NE06	Dourbes	DOU
DOU	Dourbes	
BEBN	Eben Emael	
BGES	Gesves	
GIP	Gileppe	
BLCH	La Chartreuse	
BMRD	Maredsous	
MEM	Membach	
BMOL	Mol	
BOPT	Opiter	
BOST	Ostende	
RCHB	Rochefort	
BRQR	Ronqui¯ɑre	
BSTI	Sart Tilman	
SNF	Seneffe	
BSKQ	Steenkerk	
UCC	Uccle	
WRM	Warmifontaine	
BZEV	Zevekote	
NE33		MEM
Bosnia and Herzegovina		
BLY	Banja Luka	
BLJ	Bijeljina	
DOB	Doboj	
HAPS	Han Pijesak,BIH	
MST	Mostar	
SAR	Sarajevo	
TRA	Travnik	
TREB	Trebinje	
Bulgaria		
AVR	AVREN	
DIM	Dimitrovgrad	
KKB	Krupnik	
KDZ	Kurdzhali	
MPEP	Malo Peshtene	
MMB	Musomiste	
NEF	NEVSHA	
PGB	Panagyurishte	
PVL	Pavlikeni	
PLD	Plovdiv	
PSN	Preselentsi	
PRD	Provadia	
ROIA	ROIAK	
RZN	Rozhen	
SOF	Sofiya	
SZH	Strazhica	
VTS	Vitosha	
JMB	Yambol	
Champagne-Ardenne		
RMSF	Reims	
Croatia		
DBR	Dubrovnik	
DUOK	Dugi Otok	
HVAR	Hvar	
KIJV	Kijevo	
NVLJ	Novalja	
POL	Pola	
PTJ	Puntijarka	
RIY	Rijeka	
SEB	Sibenik	
SNJ	Sinj	
SISC	Sisak	
STON	Ston	
UDBI	Udbina	
ZAG	Zagreb	
ZAG*	Zagreb	
Czech Republic		
BERN	Bernov	
BHC	Bohunice	
CHE	Cheb	
CHVC	Chvalec	
DPC	Dobruska-Polom	
GOPC	GO Pecny, Ondrejov, Czech Republic	
HAVC	Havirov	
JIND	Jindrichovice	
KACW	Kace¯ov	
KHC	Kasperske Hory	
KOCW	Kopaniny	
KRLC	Kraliky	
KRCW	Kraslice	
KVC	Kvetna	
LACW	Lazy	
LUBY	Luby	
LBCW	Luby	
KRUC	Moravsky	
MORC	Moravsky Beroun	
MUTC	Mutkov	
NKC	Novy Kostel	
OSTC	Ostas	
OKC	Ostrava-Krasne	
PVCC	Panska Ves	
POCA	Pocatky	
POCW	Po¯ˆ¡tky	
PRA	Prague	
PBCC	Pribram	
PRU	Pruhonice	
SKC	Skalna	
STCW	Studenec	
TREC	Trest	
TRCW	Trojmezˆ›	
UPC	Upice	
VAC	Vackov	
VACK	Vackovec	
JAVC	Velka Javorina	
VRAC	Vranov	
ZHC	Zelena Hora	
CHOC		
PRSC		
LUTC		
ZAPC		

Denmark		
BSD*	Akirkeby	BSD
BSD	Bornholm Skovbrynet	
COP	Copenhagen	
GID	Gilleleje	
GOET	G??ttrup	
LLD	Lille Linde	
NE03	Logumkloster	
NE02	Monsted	
MUD	Monsted U'grnd	
England		
SWG	Swingate, Kent	
Estonia		
ARBE	Arbavere	
MTSE	Matsula	
SRPE	Suurupi	
TTU	Tartu	
TRTE	Tartu	
VSU	Vasula	
Europe		
BOSI	Bolzano	
Finland		
AAL	Aland	
FINES	FINESS Array Beam Reference Point	
FIA0	FINESS Array Site A0	FINES
FIA1	FINESS Array Site A1	
FIA2	FINESS Array Site A2	
FIA3	FINESS Array Site A3	
FIB1	FINESS Array Site B1	
FIB2	FINESS Array Site B2	
FIB3	FINESS Array Site B3	
FIB4	FINESS Array Site B4	
FIB5	FINESS Array Site B5	
FIB6	FINESS Array Site B6	
FIC1	FINESS Array Site C1	
FIC2	FINESS Array Site C2	
FIC3	FINESS Array Site C3	
FIC4	FINESS Array Site C4	
FIC5	FINESS Array Site C5	
FIC6	FINESS Array Site C6	
HEL	Helsinki	
HEF	Hetta	
JOE	Joensuu	
JOF	Joensuu	
KJF	Kajaani	
KJN	Kajaani	
NE62	Kangasniemi	
KAF	Kangasniemi	
KU5	Karpankyla	
KU7	Kasma	
NE63	Kauhava	
KEF	Keuruu	
KEV	Kevo	
KEV1	Kevo	
KIF	Kilpisjarvi	
KU8	KU8	
KU1	Kurvinen	
KU4	Liikasenvaara	
MSF	Maaselka	
MEF	Metsahovi	
NUR	Nurmija@14rvi	
NE61	Nurmija@14rvi	NUR
OUFX	Oulainen	
OUL	Oulu	
PVF	Pernaja	
PKK	Porkkala	
PRF	Porvoo	
PRV	Porvoo	
KU3	Posio	
RAF	Rauma	
KU6	Riekki	
RNF	Rovaniemi	
SDF	Sodankyla	
SGF	Sodankyla@14	
SOD	Sodankyla@14	
SUF	Sumiainen	
KU2	Taivalkoski	
TOF	Tornio	
VRF	Varrio	
VJF	Virojoki	
VAF	Ylistaro	
JYSA		
Former Yugoslav Rep. of Macedonia		
BELI	Belica	
BIA	Bitola	
KAY	Katlanovo	
KOZJ	Kozjak Brana	
KRUS	Krusevo	
LIP	Lipkovo	
MYG	Matka	
KPJ	Monastery St. Joachim Osogovski	
OHR	Ohrid	
SAMO	Samokov	
SKO	Skopje	
STIP	Stip	
VAY	Valandovo	
France		
Alsace		
BAF	Belacker	
CHAF	Chalampe	
CDF	Champ du Feu	
ECH	Echery	
GBF	Grand Ballon	
GWF	Grand Wintersberg	
HOFF	Hoffen	
LANF	Langenberg	
MOF	Molkenrain	
SMM	Ste Marie-Mines	ECH
STR	Strasbourg	
SRBF	Surbourg	
SUBF	Surbourg	
WLS	Welschbruch	
Aquitaine		
ARH	Archignac	
NE10	Arette	
ATE	Arette	
ARTL	Arthez-de-Bearn	
BTH	Betharram	
BOH	Bohocortia	
CESL	Cescau	
ELYF	Elaudy	
ESCF	Escot	
PYF	Esparros	EPF

EPF	Esparros	
ETSF	Etsaut	
ISSF	Issarbe	
JAU	Jaout	
LACL	Lacq	
USIL	Lacq-Usine	
LFF	La Frestale	
LAGL	Lagor	
LARF	Larrau	
NE09	Les Eyzies	
LHE	Lhers	
LDBL	Lucq-de-Bearn	
MADF	Madeleine	
MONL	Mont	
REYF	Montagne du Rey	
ONF	Office Forets	
OGE	Ogeu	
ORDF	Ordiarp	
OSML	Os-Marcillon	
OSSF	Osses	
SJPF	Ste Jean	
Auvergne		
BGF	Bois d'Agland	
NE16	Clermont-Ferrand	CFF
CFF	Clermont-Ferrand	
COLF	Collangettes	
PLDF	La Plantade	
LBL	Lubilhac	
MAF	Mazirat	
MZF	Mazirat	
PYM	Petit Puy Manson	
PDD	Puy-de-Dome	
AGO	Saint Agoulin	
Basse-Normandie		
LDF	La Druitiere	
FLN	La Foliniere	
SSC	Saint Sauveur de Carouges	
Bourgogne		
AVFP	Avril sur Loire	
AVF	Avril sur Loire	
GRC	Garchy	
LBF	Les Buteaux	
LOR	Lormes	
MLV	Malvaux	
POU	Pouilloux	
SSF1	Saint Saulge	
SSF	Saint Saulge	
SMF	Signal de Mont	
Bretagne		
BST	Brest	
LPF	Le Pertre	
QUIF	Quistinic	
RENF	Rennes	
ROSF	Rostrenen	
SGMF	Saint Gilles	
Centre		
NE08	Aigurande	
CLF	Chambon-Foret	
HYF	Humbligny	
Champagne-Ardenne		
MEZF	Maizieres J'ville	
RFYF	Reffroy	
SFTF	Sexfontaines	
Corse		
AJAF	Ajaccio	
CVF	Calvi	
CORF	Corte	
OSPF	L'Ospedale	
LURI	Luri	
PGF	Pioggiola	
SMPL	Sampolo	
CHIF	Chize	
PAGF	Fort de Pagny la Blanche C¨·te (52)	
FDAF	Les Forges d'Abel	
MIOU	Port Miou	
STOF	St-Etienne Orgue	
MANF	Vacherie de Mantegas, la Bollene-Vesubie	
Franche Comte		
BSF	Ballon Servance	
BES	Besancon	
CNF	Cerre-les-Noroy	
OG05	Jujurieux	
CABF	La Chapelle	
LOMF	Lomont	
MDGS	Mont de Guillon, France	
ROF	Roppe	
VOU	Vouglans	
Ile-de-France		
PAR	Paris	
NE07	Villiers-Adam	VDM
VDM	Villiers-Adam	
Languedoc-Rousillon		
PERF	Col du Perthus	
FILF	Fillols	
LRDF	Laroque-de-Fa	
MTLF	Montolieu	
MTHF	Mouthoumet	
SJAF	Saint Jean de L'Alberes	
SMCF	Saint Martin du Canigou	
TRGS	Targassone	
VALF	Valcebollere	
VDCF	Villefranche	
Limousin		
FRNF	Fournols	
LSF	La Souterraine	
NE18	Les Rejaudoux	RJF
RJF	Les Rejaudoux	
SER	Sermur	
TCF	Toulx Ste Croix	
VERF	Verneugheol	
Lorraine		
BACF	Baccarat	
HAU	Haudompre	
HINF	Hinteralfeld	
THEF	They Montfort	
VITF	Vittel	
Midi-Pyrenees		
BDB	Bagneres-Bigorre	
CAF	Calviac	
CARF	Carcanieres	
RESF	Ens	
ENSF	Ens	
FESP	Espira	
GRBF	Gourbit	
LABF	Labassere	
LPEF	Le Peyrat	
LPO	Le Pouchou	
LESF	Lescure	

LSPF	Lesparou	
PYLO	Lourdes	
MELF	Melles	
FMON	Montouss^'	
MLS	Moulis	
FNEB	N^'bias	
SALF	Salau	
VIEF	Viey	
Nord-Pas-de-Calais		
BAIF	Baives	
DOMF	Dompierre	
GIVF	Givet	
LIL	Lille	
Pays de la Loire		
GRR	Gorron	
LMF	Le Mans	
SGR	Segre	
Picardie		
MENF	Mencas	
Poitou-Charentes		
OLEF	Ile d'Oleron	
LCHF	La Chataigneraie	
LRYF	La Roche-sur-Yon	
MATF	Mathat	
PRYF	Perigny	
MFF	Saint Martin du Fouilloux	
Provence-Cote d'Azur		
OG22	Abries	
ANTF	Antibes	
ARBF	Arbois	
OGAG	Argentiere	
ARTF	Artigues	
ASPF	Aspremont	
AURF	Auriere	
BERF	Bertagne	
OG15	Briangon	
CDR	Cadarache	
CALF	Calern	
CALN	Calern	
CMF	Cannet Maures	
CHDN	Chaudanne	
CBBF	Combe Brimond	
CREF	Crivoux	
OGDI	Digne	
FOUF	Fouillouse	
GANF	Ganagobie	
GELF	Grande-Etoile	
ISO	Isola	
JAUF	Jausiers	
BSTF	la Bastide-des-Jourdans	
FRF	La Foret Royale	
LMR	La Mourre	
AUTN	L'Aution	
OG25	Le Caire	
BLAF	les Blancs	
ESCA	l'Escarene	
LRG	Lorgues	
LUCF	Luceram	
MAR	Marseilles	
MLYF	Mely	
MBDF	Montbardon	
TOUF	Mont Tournerait	
MUIF	Mont Vial	MVIF
MVIF	Mont Vial	
PRAF	Pradon	
PUYF	Puyloubier	
LEPF	PUYLOUBIER	
REVF	Revere	
OG20	Riallon	
ROG	Rognes	
ROU	Rougiers	
RUSF	Rustrel	
OG21	Saint-Cripin	
STET	Saint-Etienne-de-Tinee	
OG19	Saint-Julien-en-Beauchene	
OG14	Saint-Maurice-en-Valgodemard	
SURF	Saint Ours	
SAOF	Saorge	
SMRF	Simiane la Rotonde	
SBF	Sospel	
SPF	St-Paul-en-Foret	
TAVF	Tavernes	
TREF	Trevaresse	
VILF	Villemus	
Rhone-Alpes		
OG18	Albannette	
OG24	Aussois	
BROM	Bains de Bromines	
BOF	Bonneval	
OG32	Castellane	
OG13	Choranche	
OG16	Combovin	
OG08	Commelle	
OG29	Digne	
GDM	Grand'Maison	
GGF	Granges-Gontardes	
GRN	Grenoble	
GRN*	Grenoble	
OG28	Izon-la-Bruisse	
OG04	La Clusaz	
LNS	Lanslevillard	
LPG	La Plagne	
LPL	La Plagne	
OG27	Meolans	
OG02	Monnetier-Mornex	
OG11	Montagny	
MNY	Monteynard	
OG06	Moye	
OG34	Musihges	
ORIF	Oris-en-Rattier	
PCHF	Pas de la Coche	
OG17	Prunihres	
RSL	Roselend	
OG33	Roure	
OG07	Sainte-Reine	
OG10	Saint-Etienne-de-Cuines	
VIVF	Saint-Julien-le-Roux	
OCF	Saint Nazaire	
SSB	Saint Sauveur en Rue	
OG09	Saint-Thibaud-de-Couz	
OG03	Samoens	
OGSI	Sixt	
SOU	Souberoche	
LASF	Ste Croix	
OG26	St.-Nazaire-Desert	OCF
OG23	Tende	
OG01	Vacheresse	
OG12	Villaroger	
OG30	Villeneuve d'Entraunes	

Franche Comte

Code	Station Name	Other
CHMF	Charmoille	
Germany		
Baden-Wurttemberg		
BUCH	Bad Urach	
BEU	Beuren	
BFO	Black Forest	
BHBD	Braunhartsberg	
BREM	Bremgarten	
BUH	Buhlerhohe	
EFR	Efringen	
ENDD	Endenburg	
ENGD	Engstlatt	
ERPF	Erpfingen	
FEL	Feldberg	
FELD	Feldberg im Schwarzwald	
FBB	Freiburg im Breisgau	
FWS	Furtwangen	
GUT	Gutenstein	
HSND	Hausen	
HEI	Heidelberg (Koenigstuhl)	
HDH	Heidenheim-Charlottenhoehle	
HOH	Hohenheim	
HTN	Hohentengen	
HUN	Hundersingen	
JUND	Jungingen	
KRL	Karlsruhe	
KRW	Karlsruhe West	
KIZ	Kirchzarten	
LBG	Lerchenberg	
LIBD	Limburg	
LOES	Loerrach-Stetten	
MSS	Messtetten	
MSG	Moessingen	
NEI	Neipperg	
OFBG	Offenburg	
OPP	Oppenau	
RAV	Ravensburg	
SWS	Schriesheim-Wilhelmstollen	
SGW	Sigmaringen-Wittberg	
SIND	Sindeldorf	
SISB	Singen-Schiener Berg	
SPAK	Spaichingen-Kochelsberg	
STAB	Staufenbuehl	
STAU	Staufen im Breisgau	
STU	Stuttgart	
TUB	Tubingen	
TUBL	Tuebingen-Lennartz	
UBR	Ueberruh	
WEIL	Weil am Rhein	
WYH	Wyhlen	
Bayern		
ALTM	Altmuhljura-Amtmannsdorf	
BHG	Bad Reichenhall	
BGLD	Berchtesgaden	
CHKA	Cham-Katzbach	
FALK	Falkenberg	
FUR	Furstenfeldbruck	
GAPA	Garmisch-Partenkirchen	
GAP	Garmisch-Partenkirchen	
PART	Garmisch-Partenkirchen	
GERES	GERESS Array Beam Reference Point	
GEA0	GERESS Array Site A0	
GEA1	GERESS Array Site A1	
GEA2	GERESS Array Site A2	
GEA3	GERESS Array Site A3	
GEB1	GERESS Array Site B1	
GEB2	GERESS Array Site B2	
GEB3	GERESS Array Site B3	
GEB4	GERESS Array Site B4	
GEB5	GERESS Array Site B5	
GEC1	GERESS Array Site C1	
GEC2	GERESS Array Site C2	GERES
GEC3	GERESS Array Site C3	
GEC4	GERESS Array Site C4	
GEC5	GERESS Array Site C5	
GEC6	GERESS Array Site C6	
GEC7	GERESS Array Site C7	
GED1	GERESS Array Site D1	
GED2	GERESS Array Site D2	
GED3	GERESS Array Site D3	
GED4	GERESS Array Site D4	
GED5	GERESS Array Site D5	
GED6	GERESS Array Site D6	
GED7	GERESS Array Site D7	
GED8	GERESS Array Site D8	
GED9	GERESS Array Site D9	
GRFO	Grafenberg	
GG-GR	Grafenberg	
SB-	Grafenberg Ar.	GRF
GG-	Grafenberg Ar.	GG-GR
GRA1	Grafenberg Array	GRF
GRA2	Grafenberg Array	
GRA3	Grafenberg Array	
GRA4	Grafenberg Array	
GRB1	Grafenberg Array	
GRB2	Grafenberg Array	
GRB4	Grafenberg Array	
GRB3	Grafenberg Array	
GRB5	Grafenberg Array	
GRC2	Grafenberg Array	
GRC3	Grafenberg Array	
GRC4	Grafenberg Array	
GRC1	Grafenberg Array	
GRF	Grafenberg Array	
MGBB	Grossbuechelberg	
MHAI	Haid-Arzberg	
RHAM	Hammer	
HOF	Hof	
HROE	Hohe Rhon--Flad	
RJOB	Jochberg	
MANZ	Manzenberg	
RMOA	Moar Alm	
MNH	Munich	
NAPF	Napfberg	
RNHA	Neuhaus	
NORI	Noerdlinger Ries-Bissingen	
RNON	Nonn-Bad Reichenhall	
NRD	Nordlingen	
NOTT	Nottersdorf	
OBER	Oberstdorf	
MROB	Rosenbuehl-Arzberg	
ROTZ	Rotzenmuhle	
MSBB	Schoenbrunner Berg-Wunsiedel	
VIEL	Selb-Vielitz	
WET	Wettzell	
RWMO	Wildenmoos	
MZEK	Zeckenberg-Ebnath	
Berlin		
BRN	Berlin	
BRL	Berlin--Free University	
BRNL	Berlin--Lankwitz	
Brandenburg		
POT	Potsdam	
ASSE	Asse, Remlingen/Germany	
GTTG	Gvttingen	
MLFH	Mildenfurth	
RUE	Ruedersdorf	
HES	Velbert-Hespertal	
Hamburg		
HAM	Hamburg	
Hessen		
GWBC	Aumenau	
WBH	Biblis	
WBG	Bieber	
WBB	Darmstadt	
ESP	Espenschied	
WBA	Furth	
HAT	Hattorf	
JUG	Jugenheim	
WBD	Lorch/Rhein	
GWBF	Romrod	
TNS	Taunus Mts	
TOD	Tromm	
UBBA	Unterbreizbach	
GWBE	Wiesbaden	
Mecklenberg-Vorpommern		
LID	Liddow	
RGN	Rugen	
Niedersachsen		
CLZ	Clausthal	
GTT	Gottingen	
NRDL	Niedersach Riedel	
Nordrhein-Westfalen		
AAC	Aachen	
BA01	Aachen	
BAHL	Ahlen	
BA12	Beaesweiler	
BNS	Bensberg	
BA09	Bensberg	
BEG	Bergheim	
BD01	Bergheim Laurentius Kirche	
NE35	Billerbeck	
BOC	Bochum	
NE36	Bochum	
BUG	Bochum--University	
BD11	Borschemich	
BD12	Bourheim	
CLG	Cologne	
BA08	Dellbruck	
DREG	Dreilaegerbach Talsperre	
BA11	Duren	
ENTS	Ennepetalsperre	
BA04	Fiesheim UWZ	
BA17	Glehn	
GSH	Grosshau	
BD04	Gut Margarthenhoehe	
BD05	Hambach	
BD08	Hambach Funkstation	
HMES	Hamm, Michael-Ende-School	
BA15	Heimerzheim	
HRH	Heinrich-Robert Mine	
BA13	Heinsberg	
BZER	Hlnxe	
BD09	Hochneukirch	
HOBG	Hohbusch	
HOK	Hohkeppel	
BA06	Horem	
BHXE	Hunxe	
IBBE	Ibbenbueren East	
IBBS	Ibbenbueren South	
IBBN	Ibbenburen	
JCK	Jackerath	
JUE	Julich	
KLL	Kalltalsperre	
BA10	Klein Altendorf	
BA19	Koln Dom Grabung	
BA07	Koln University	
NE39	Krefeld	
LAUG	Laupendahl	
MEC	Mechernich	
NE34	Mettingen	
BD03	Millendorf	
MWG	Munster	
OLFT	Oleftalsperre	
BD10	Pesch	
PLH	Pulheim	
BRHE	Rheinberg	
RPM	Rheinpreussen Mine	
RODG	Roetgen-Dahlheim	
BD07	Roetschberg	
BHOF	Ruhr-University Bochum -- Hof Stiepel	
BKLB	Ruhr-University Bochum--Klosterbusch Mine	
BSHA	Ruhr-University Bochum- -Staatshockbauamt	
BTEZ	Ruhr-University Bochum--Technical Center	
BA05	Sindorf	
SORT	Sorpetalsperre	
BA18	Steinbach	
STB	Steinbach	
BA02	Stolberg	
BD02	Tagebau Bergheim	
TDN	Todenfeld	
BA16	Vanikum	
WBS	Wahnbachtalsperre	
RWB	Wassenberg	
BA03	Weissweiler	
BA14	Wollersheim	
NE41	Zyfflich	
Rheinland-Pfalz		
ABH	Alteburg	
BIW	Bindweide	
BLI	Bleialf	
BGG	Burgeitz	
DUP	Duppenweiler	
FACH	Fachingen	
HILG	Hillesheim	
FSH	Hochheid	
IMS	Imsbach	
KTD	Kalmit	
KOE	Koeppel	
PEB	Petersbachel	
PIR	Pirmasens	
RIVT	Riveris	
RUP	Ruppelstein	
BHE	Schloss Buerresheim	
LOH	Wallersheim-Loch	
Sachsen		
BRG	Berggiesshubel	
CLL	Collm	
FBE	Freiberg	
GUNZ	Gunzen	
LEI	Leipzig	
MULD	Muldenberg	
TRIB	Obertriebel	
ROHR	Rohrbach	
SCHF	Schoenfels	
TANN	Tannenbergsthal	
WERD	Werda	
WERN	Wernitzgruen	
WUET	Wuestenhain	
Sachsen-Anhalt		
HLE	Halle	
NEUB	Neuenburg	
WIMM	Wimmelburg	
Schleswig-Holstein		
BSEG	Bad Segeberg	
HLG	Helgoland	
Thuringen		
HKWD	Heukewalde	
HWTS	Hohenwarte Talsperre	
JEN	Jena	
KBDG	Kleinbodungen	
MODW	Modelwitz	
MOX	Moxa	
PLN	Plauen	
SCHD	Schmiedefeld	
SON	Sonneberg	
TAUT	Tautenburg	
VITZ	Vitzeroda	
Greece		
Crete		
IDI	Anoyia	
CHAN	Chania	
FODE	Fodele	
GAVD	Gavdhos	
GVD	Gavdhos	
GVDS	Gavdos	
IACM	Heraklion	
IMMV	Iera Moni Metamorfosis, Varipetro, Chania, Crete	
FRMA	Ierapetra Chania	
KLDN	Kaloudiana Chania	
KARN	Karanos	
KRPT	Karpathos	
KSTL	Kastelli Heraklio	
KERA	Keramoti	
XRY	Khrisi	
KRIS	Kristallenia	
KTHR	Kythira	
LAST	Lasithi	
APEZ	Moni Apezanon	
NPS	Neapolis	
KNDR	Palaiochora Chania	
PRNS	Prines Rethymno	
STIA	Sitia Lasithi	
SIVA	Sivas	
SKOR	Skordalos	
AKRT	Stavros Akrotiri	
TMBK	Timbaki Heraklio	
VAM	Vamos	
ZKR	Zakros	
ACOR	Acrocorinthos	
VAG	Aggia Anna	
MHLO	Agia Marina, Milos Island	
AXAR	Agios Charalampos	
AGG	Agios Georgios	
DYR	Agios Nikonas	
ALN	Alexandroupolis	
AOS	Alonnisos	
AMOR	Amorgos	
KFL	Anninata	
ANX	Ano Chora	
ANKY	Antikythira Island	
APE	Apeiranthos	
APER	Aper	
AXS	Araxos	
ARX	ARAXOS	
ARG	Arkhangelos	
RHD	Arkhangelos	ARG
AMT	Artemida-Makistos	
ATAL	Atalanti	
ATU	Athens Obs.	ATH
ATH	Athens Observatory	
ATHU	Athens University	
THT1	Athinios (Pelekanos)	
CHOS	Chios island	
CMBO	Columbo, Santorini Isl.	
DVI	Derveni	
DESF	Desfina	
DSF	Desfina	
DID	Didima	
DIDY	Didyma	
DDN	Dodoni	
DRO	Drossia	
EFP	Efpalio	
ERET	Eretria	
EREA	Eretria	
VTH	Erithrai	
EVR	Evrytania	
EXG	Exogi	
VFI	Filaki	
THR7	Fira-Santorini	
FNA	Florina	
FYTO	Fytoko, Volos	
MGER	Gerania Oros	
VGL	Glafira	
GUR	Goura	
GRG	Griva	
HORT	Hortiatis	
IGT	Igoumenitsa	
ITHO	Ithomi	
ITM	Ithomi	
JAN	Janina	
KLV	Kalavryta, Achaia	
KALE	Kalithea	
KAP	Karpathos	
KARP	Karpathos	
KTI	Kastanea	
KSL	Kastellorizon	
KSO	Kastoria	
VRS	Kato Vasiliki	
KAVA	Kavala	
KVR	Kavouri	
KNT	Kendrikon	
KEK	Kerkira	
XIO	Khios Island	
KPRO	Kipourio	
MKIT	Kithairon Oros	
KYTH	Kithira	
KNS	Konitsa	
KOUM	Koumaradei	
KZN	Kozani	
KRND	KRANIDI	
LAKA	Lakka	
LRSO	Larissa Observatory	
LKD2	Lefkada island	
LKD	Levkas	
LOS	Limnos	
LIA	Limnos Island	
LIT	Litokhoron	
LKR	Lokris	
LTK	Loutraki	
LOUT	Loutraki	
LTRA	Loutraki	
MAKR	Makrakomi, Fthiotida	
MAMO	Mamousia	
VMA	Markates	
MRKA	Markates	
MRMA	Marmari	
MEV	Metsovon	
MHL	Milos	
NFP	NAFPAKTOS	
VNE	Neochorion	
NEO	Neokhori	
NEST	Nestorio	
NVR	Nevrokopi	
NISR	Nisiros	
NAIG	Nisos Aigina	
NSAL	Nisos Salamina	
NIS3	Nisyros Isl.	
NIS4	Nisyros Isl.	
NIS2	Nisyros Isl.	
NIS1	Nisyros Isl.	
OUR	Ouranopolis	
DSL	Palaion Diasellon	
PAIG	Paliouri	
PRK	Paraskevi	
PVO	Paravola	
RGA	Parga	
MPAR	Parnis Oros	
PAT	Patras	
VPA	Pavliani	
PENT	Pentalofos	
PTL	Penteli	
VIL2	Platees	
PLG	Polygyros	
PDO	Prodromos	
PROD	Prodromos	
PSA1	Psathopyrgos	
PYL	PYLOS	
RHO	Rhodes	
RLS	Riolos of Patras	
RDO	Rodhopi	
RODI	Rodini	
SGD	Sagiada	
SMG	Samos	
SMS	Samos	
SMTH	Samothraki Island	
SANT	Santorini	
THR8	Santorini-Monolithos	
SELA	Sela	
SERG	Sergoula	
SERI	Serifos	
SRS	Serrai	
SIGR	SIGRI	
SMIA	Simia	
VSI	Simia	
SKIA	Skiathos	
SKY	Skiros Island	
VSK	Skopelos	
SOH	Sokhos	
SFD	Strofades	
THAL	Thalero	
THR1	Thera Island	
THE	Thessaloniki	
THR6	Thira Island, Akrotiri	
THR5	Thira Island, Kera	
THR3	Thira Island, Nea Kammeni	
THR4	Thira Island, Oia	
THR2	Thira island, Vourvoulos	
TRAZ	Trapeza	
TRIZ	Trizonia	
UPR	University Campus, Patras University	
VLS	Valsamata	
VLI	Veliai	
VIL1	Vilia, Western Attica	
VILL	Villia	
VTN	Vitineika	
VLX	Vlachokerasia	
VOL	Volimes	
VVK	Vomvokou	
VLY	Voula,Athens	
VNG	Vunargo	
XOR	Xorichti	
ZKS	Zakynthos	
ZAN	Zante	
Hungary		
RHK1	Bakonya	
RHK2	Bata	
BEHE	Becsehely	
BKE	Bekescsaba	
PKS6	Bocsa	
BUD	Budapest	
PKSC	Csakvar	
CSKK	Cs˙‡kako	
DEB	Debrecen	
GYL	Gyula	
JOS	Josvafo	
KAL	Kalocsa	
PKS2	Kecel	
KEC	Kecskemet	
PKS7	Kunszentmiklos	
PKSM	Moragy	
PKSN	Nyarlorinc	

Code	*Station Name*	*Other*
PENC	Penc	
PSZ	Piszkesteto	
PKS8	Sarbogard	
SOP	Sopron	
SZE	Szeged	
PKS9	Tamasi	
TRPA	Tarpa	
RHK3	Tenkes	
PKST	T"s	
TIH	Tihany	
UZD	Uzd	
PKSG		
ETYK		
Ireland		
ECP	Carnsore Point	
IWEX	Carrickbyrne, Co Wexford	
ECB	Carrickbyrne Hill	
CORK	Cork	
DCN	Croghan	
DSB	Dublin	
DMS	Dublin Merrion Square	
DDK	Dunsink Observatory	
IGLA	Glengowla, Co Galway	
IDGL	Inch Island, Co Donegal	
DKM	Kilmashogue	
DMU	Kingscourt	
DMUB	Kingscourt	
DLE	Lyons Estate	
DLF	Lyons Farm	
DUB	Rathfarnham	
ETA	Tara	
VAL	Valentia	
Italy		
T0402	Abbadia di Fiastra (Tolentino)	
NARO	Abbazia di Naro	
ABSI	Aberstueckl	
ABRE	Abriola	
RM31	Accumuli	
ACER	Acerenza	
ACOM	Acomizza, Italy	
ADRI	Adria, Italy	
AGOR	Agordo	
ALJA	Alia	
TO02	Allumiere - RM	
AFL	Alpe Faloria	
AMUR	Altamura	
AMI	Amelia	
AM9	Amelia	AMI
ANS	Ancona	
AOI	Ancona	
ME06	Antenna a Mare	
APPI	Appiano	
ACI	Arcavacata	
ARVD	Arcevia	
ARV	Arcevia	
ARCI	Arcidosso	
ARME	Armento	
ALP	Ascoli Pisceno	
MASO	Asolo, Italy	
ASQU	Asqua	
RM28	Assergi	
ASS	Assisi	
ASSB	Assisi San Benedetto	
AZI	Avezzano	
ATCC	AVT- Casa Castalda	
ATLO	AVT- Montelovesco	
ATTE	AVT- Monte Tezio	
ATVA	AVT- Monte Valcinella	
ATVO	AVT- Monte Valentino	
BACM	Baccana	
BADI	Badiali	
BDI	Bagni Di Lucca	
BAG8	Bagolino	
BAI2	Baranello	
TO08	Barbarano Romano - VT	
BNI	Bardonecchia	
BAI	Bari	
BAI*	Bari	
BRT	Bari-Castellana	
BRSN	Barisano	
RM14	Barisciano	
BSS	Baronissi	
BLLA	Bellaria	
BNV	Benevento	
BAD	Bernadia	
BERI	Bernadia	BAD
BIBN	Bibbiana	
MOCO	Biccari - m.te Cornacchia	
BOB	Bobbio (Coli)	
CCE3	Bocca Seriola	
BOL	Bologna	
BLZ	Bolzano	
RM20	Borbona	
BOO	Bordano	
BORI	Bordano	BOO
BSL	Borgo	
BL1	Borgo	BSL
BOSL	Borgo San Lorenzo	
BVT	Borgo Val di Taro	
BRMO	Bormio	
BORS	Borseda	
BOTT	Botticino	
BRES	Bressanone	
GRDB	Briano	
BHB	Bricherasio	
BRIE	Brienza	
BIE	Brione	
BRIS	BRISIGHELLA	
ME04	Brognaturo	
BUA	Buia	
BUII	Buia	BUA
BULG	Bulgheria - Camerota	
BSSO	Busso	
CKI	Cairo Montenotte	
MCRV	Calabrutti - M.te Cervialto	
CALI	Calice al Cornoviglio	
CLTR	Calitri	
CIO	Camerino	
CMR	Camerino	
CMPR	Campora	
CAMP	Campotosto	
CMPO	Campotto Po	
TO03	Canale Monterano - RM	
FG4	Candela	
CAE	Caneva	
RE02	Canossa - RE	
ATCA	Cantone	
CAP	Capodimonte	
SN1	Capo Mulini Mare	
CVI	Capo Vaticano	
CRE	Caprese Michel	
LEOD	Capriano del Colle	
CAPR	Capriolo	
RM27	Carapelle Calvisio	
CRDM	Cardoso	
CAFE	Carife	
CRMI	Carmignano	
CARO	Carolei	
CAR1	CAROLEI	
CII	Carovilli	
CRVI	Carovilli	
CPGN	Carpegna, Italy	
CPI2	Carpinone	
CSCL	Casacalenda	
T0203	Casalattico (FR)	
RM12	Casamaina	
CAS	Casamari	
CSM	Casamicciola	
OC9	Casamicciola	
T0201	Case Giovannangeli - (Balsorano -AQ)	
CSMI	Casera Mimoias	
CSZ	Casera Razzo	
CSI	Cassano Ionio	
CSSN	Cassano Irpino	
CSO	Casso	
CDT	Castel del Monte	
CAFR	Castel Frentano	
CTL8	Castelleone	
CSNT	Castellina Chianti	
RE08	Castello di San Valentino (Castellarano) - RE	
ME07	Castell'Umberto	
CTI	Castel Tesino	
AT04	Castiglione Aldobrando (Gubbio) - PG	
CASP	Castiglione della Pescaia	
RM15	Castiglione (Tornimparte)	
CAFI	Castiglion Fiorentino	
CUC	Castrocucco	
AT07	Catigliano (Citt^ di Castello) - PG	
CAV	Cavalese	
MTOM	Cavaso del Tomba, Italy	
CEL	Celeste	
RM30	Cerqua	
CERT	Cerreto	
RM10	Cesaproba (Montereale)	
CESX	Cesi	
CESI	CESI - Serravalle di Chienti	
CIRO	Champorcher	
CHV	Chiavari	
CGRP	Cima Grappa	
CIMO	Cimolais	
CING	Cingoli	
ME10	Cittanova	
CDCA	Citt' di Castello	
CDRU	Civita di Ruta - Ottati	
TO09	Civitella Cesi - VT	
CLA1	Claut1	
CLAB	ClautB	
CLUD	Cludinico	
CODM	Codolo	
RM24	Colle Belvedere (Rocca di Mezzo)	
RM07	Collebrencioni	
RM11	Collenoveri	
T0110	Collepietro	
RM02	Colle Roio	
SMB1	Colle San Martino	
CLLN	Colliano	
RM05	Colli (Barete)	
CLR	Collurania	
COLI	Coloredo	
VARN	Col Varnada, Mel (BL)	
CNCS	Concesio	
T0109	Coppito (AQ)	
CRN	Corinaldo	
AD04	Corinaldo (AN)	
COPE	Corleto Perticara	
MCOR	Cornuda. Italy	
CODE	Correggio	
ZAVE	Correggio Bag	
FANE	Correggio Fan	
MAN1	Correggio Man	
SILE	Correggio--Silva	
CRAC	Craco	
CUSI	Cussignacco Udine	
GRDT	Desenzano Tresine	
DPS	Deserto Penisola Sorrentina	
DP1	Deserto P. S.	DPS
DSB1	Difesa San Luca	
ME05	Diga del Menta	
DMD	Domodossola	
DDS	Dosso del Sommo	
DRE	Drenchia	
DUI	Duronia	
ENR	Entracque	
ERBM	Eremo	
ERT	Erto-Casso	
SNTG	Esanatoglia	
EMCN	Etna Monte Conca	
EMFS	Etna Monte Frumento Supino	
FAE	Faenza	
FAEN	Faenza	
FAGN	Fagnano	
RM18	Fano Adriatico	
MFAN	Fanzolo, Italy	
MPRO	Farra di Soligo, Italy	
FENE	Fenestrelle	
FECT	Ferrara Citta	
FIAM	Fiamignano	
RM08	Filetto	
CERA	Filignano	
FIN	Finale Ligure	
FINB	Finale Ligure	
FDMO	Fiordimonte	
FIR	Firenze	
FIVI	Fivizzano	
FGG	Foggia	FOG
FOG	Foggia	
FG1	Foggia	FOG
FOL	Foligno	
FNVD	Fontana Vidola	
FAU	Forcella Aurine	
FOA	Forni Avoltri	
FVI	Forni Avoltri	
FSI	Fosdinovo	
FS1	Fosdinovo	FSI
FSSB	Fossombrone	
AT08	Fraticciola Selvatica (Perugia) - PG	
C004	Frazione Salia	
MFRE	Fregona, Italy	
FRES	Fresagrandinaria	
FRON	Frontone	
FROS	Frosini	
FSC	Fuscaldo	
FUSE	Fusea	
GALF	Gagliano Castelferrato	
GMB	Gambarie	
GATE	Gambatesa	
GAVE	Gavelli	
GAZZ	Gazzo Veronese (Italy)	
GEPF	Gemona	
GMNA	Gemona	
GEN	Genova	
GENL	Genova University	
GRFL	Gerfalco	
ME15	Gioiosa Marea	
GRI	Girifalco	
GIUL	Giuliano Di Roma	
GRAM	Graiana	
GIGS	Gran Sasso	
SGG	Gregorio Matese	
MOSI	Grossmontoni	
GUMA	Gualdo di Macerata	
GUAR	Guarcino	
GSCL	Gusciola	
IMOL	Imola, Italy	
IMI	Imperia	
INTR	Introdacqua	
IOCA	Ischia Osservatorio Casamicciola	
GROG	Isola di Gorgona	
GORG	Isola Di Gorgona	
IESO	Jesolo	
JOPP	Joppolo	
KOSI	Kohlern	
LSD	Lago del Serru	
LPEL	Lama dei Peligni	
LPD	Lampedusa	
LAV9	Lanuvio	
AQU	L'Aquila	
T0103	L'Aquila	
LTRZ	Laterza	
LATE	Laterza	
LCI	Lecce	
LIV	Leghorn	
LNSS	Leonessa	
LPI	Lipari	
PR02	Localit^ Poggio-Vacaldola (Sant'Agata Feltria RN)	
T0502	Localit^ San Martino (Sarsina - FC)	
T0503	Loc. Pratieghi (Badia Tedalda - AR)	
RM01	Lucoli (AQ)	
AT02	Lugnano (Citt^ di Castello) - PG	
LSR	Lussari	
LMD	Lutirano	
MCGN	Macugnaga	
T0104	Madonna delle Grazie (Coppito)	
MAGA	Magasa	
MSSA	Maissana	
MABI	Malga Bissina	
MGRD	Malga Garda, Italy	
MLNI	Malnisio	
MNTV	Mantova	
MARN	Marana (Italy)	
MMAR	Mareno di Piave, Italy	
MA9	Marino	
MARE	Marsico Vetere	
MAIM	Mastiano	
MATE	Matera	
MELA	Melanico ??? S. Croce di Magliano	
AD01	Meldola (FC)	
MERA	Merate	
MESG	Mesagne	
RM22	Micigliano	
MIGL	Miglionico	
MIL	Milan	
MILN	Milano	
MLE	Mileto	
FIU	Minerbio Fiu	
PASE	Minerbio--Passere	
TORE	Minerbio--Torre	
MRVN	Minervino Murge	
MIDA	Miranda	
SGIA	Mirandola	
ME01	Mistretta	
MODE	Modena	
MOLE	Moliterno	
AD03	Mombaroccio (PU)	
MNC	Moncalieri	
MONC	Moncucco Torinese	
AD02	Mondaino (RN)	
MODR	Mondragone	
MONE	Monesi	
AT03	Montalto (Apecchio) - PU	
MNS	Montasola	
MA1	Montasola	MNS
MAB1	Monte Acero	
MAO	Monte Argentario	
MAON	Monte Argentario	
BALI	Monte Baldo	
BALD	Monte Baldo	
MMBI	Montebello Ionico	
MBEL	Montebelluna (TV), Italy	
MCI	Monte Cassino	
ATMC	Monte Cedrone	
MTCE	Montecelio	
MME	Monte Cimone	
MCIV	Monte Civitella	
CZI	Monte Cocuzzo	
N002	Montecucco	
MOCL	Monte Cuccoli	
ATFO	Monte Foce - Gubbio	
MGAB	Montegabbione	
SSFR	Montelago di Sassoferrato	
CC03	Monteleto	
MTLO	Montello	
GRDM	Monte Maddalena	
MSC	Monte Massico	
PZZT	Monte Pizzetto	
MPRI	Monte Prat	
MTRZ	Monterenzio	
MRB1	Monte Rocchetta	
SEST	Monte Rota	
MSAG	Monte S. Angelo	
MTSN	Montesano sulla Marcellana	
FGMS	Monte Sant'Angelo	
MS1	Monte Sant'Angelo (FG)	
MSB1	Montesarchio	
SIRI	Monte Sirino - Moliterno	
MURB	Monte Urbino	
VULT	Monte Vulture - Melfi	
MCEL	Monticello	
MDI	Monti di Nese	
T0401	Montottone (Fermo)	
MRGE	Morge	
MGR	Morigerati	
MMN	Mormanno	
RM25	Mosicchio (Amatrice)	
MTTG	Motta San Giovanni	
SABO	M.te Sabotino	
FG3	Mte Sant'Angelo	
RE1	Mte Valcellina	RCL
RCL	Mte Valcellina	
MRVI	Mt Valcellina	RCL
MRLC	Muro Lucano	
NPL	Naples	
RE01	Neviano degli Arduini - PR	
ENIC	Nicolosi	
NOCI	Noci	
NL9	Nola	
NRCA	Norcia	
NOVE	Novellara	
ROCE	Novi Di Modena	
OFFI	Offida	
OPPE	Oppeano	
OR1	Oriolo Calabro	ORI
ORI	Oriolo Calabro	
ORO	Oropa	
ORX	Oropa	
FG5	Orsara di Puglia	
OII	Orti	
ORZI	Orzinuovi	
OSKI	Oschiri	
AD06	Osimo (AN)	
PAD	Padua	
PALZ	Palazzo San Gervasio	
PLMA	Palmaria, Porto Venere	
ME03	Palmi	
PANI	Panarotta	
PAOL	Paolisi	
PARC	Parchiule	
PRMA	PARMA	
SATI	Passo dei Salati	
RM26	Passo delle Capannelle	
PTCC	Patocco-Chiusaforte	
PLRO	Paularo	
EUCT	Pavia	
PAV	Pavia	
RM33	Pellescritta (Montereale)	
ME09	Pentidattilo	
PRG	Perugia	
PEG	Perugia	PRG
PS1	Pesaro	PRO
PESA	Pesaro	
PRO	Pesaro	
T0204	Pescasseroli (AQ)	
PSB1	Pescosannita	
IPES	Pescosannita	
BBB4	Pezza	
PE1	Pezze di Greco (BR)	
PCN	Piacenza	
PCP	Piancastagn	
RM09	Piano di Cascina (Cagnano Amiterno)	
A001	Piccione	
PIEI	Pieia	
CCN3	Pietralunga	
ATPI	Pietralunga - Aviosuperficie	
PIPA	Pietrapaola	
PTRP	Pietrapertosa	
PTQR	Pietraquaria	
PTRJ	Pietraroja	
D002	Pieve de Saddi	
PDC	Pieve di Cadore	
PIGN	Pignataro Maggiore	
PGN3	Pignola, Italy	
PNI	Pinerolo	
PII	Pisa	
PIS	Pisa	
N001	Pisciano	
PSL	Pistoia	
RE07	Pizzano Val di Parma - PR	
PLAC	Placanica	
RM32	Poggio Cancelli	
ATPC	Poggio Castellaccio	
T0108	Poggio di Roio	
T0101	Poggio Santa Maria	
AT06	Poggio Sant'Ercolano (Gualdo Tadino) PG	
PGD	Poggio Sodo	
POLC	Polcenigo	
PO9	Polino	POI
POI	Polino	
PMP	Pompeii	
POBI	Pontebba	
POPM	Popiglio	
PTC	Porto Cannone	
PDI	Porto d'Ischia	
POFI	Posta Fibreno	
PZUN	Potenza	
PZF	Pozza Ferrara, Ferrara di Monte Baldo (VR)	
PLI2	Pozzilli	
EPOZ	Pozzillo	
IPOZ	Pozzuoli	
MPRD	Prada, Italy	
PTF	Prato	
RE06	Pratopiano (Palanzano) - PR	
PRT	Prato-Toscana	

Code	Station Name	Other
AT01	Promano (Citt^ di Castello) - PG	
QRI	Quarto	
QCI	Quattro Castella	
QLNO	Quiliano	
GRDQ	Quinzano	
AT05	Racchiusole (Umbertide) PG	
RBL	Raibl	
B001	Rancolfo	
RAVA	Ravarino	
MREF	Refrontolo, Italy	
MRCB	Reggio Calabria	
RCI	Reggio Calabria	
RISI	Rein	
RSP	Reno Superiore	
RESU	Resuttano	
T0205	Ridotti (Balsorano, AQ)	
RGNG	Rignano Grg	
RNI2	Rionero Sannitico	
ROB	Robourent	
RM04	Rocca di Mezzo	
RDP	Rocca di Papa	
RFI	Roccamonfina	
RRL	Rocca Remolon	
RMI2	Roccaromana	
RORO	Rocca Rossa	
RONM	Roccetta Nervino	
ROTM	Rocchetta Tanaro	
RVI2	Rocchetta Volt	
T0106	Roio Piano	
ROM9	Roma	
ROM	Rome	
RMP	Rome, Mte Porzio	
N004	Ronchi	
RNI	Roncone	
ROI	Rossano	
ROSI	Rosskopf	
RM13	Rovere (Rocca di Mezzo)	
ROVE	Rovereto Di Novi	
ROVR	Rover^¤ Veronese	
SLCN	Sala Consilina	
SLNA	Salina	
SAL	Salo	
SALO	Salr	
SOI	Samo	
SACS	San Casciano dei Bagni	
DOI	San Damiano	
SDI	San Donato	
ME02	San Fratello	
SNAL	S. Angelo Dei Lombardi	
SGRT	San Giovanni Rotondo	
SALB	San Lorenzo Bellizzi	
SMA1	SAN MARTINO	
RM03	San Martino d'Ocre	
LADO	San Nicola dell'Alto	
T0107	San Pelino (Cagnano Amiterno)	
CORR	San Possidonio	
SSP9	Sansepolcro	
SCTE	Santa Cesarea Terme	
AT09	Santa Cristina (Gubbio) - PG	
SGTA	Sant Agata di Puglia	
TO05	Santa Marinella - RM	
MSTD	Santandra', Italy	
STV	Sant Anna di Valdieri	
STV2	Sant' Anna di Valdieri 2	
SFI	Santa Sofia	
CIGN	Sant'Elia a Pianisi	
T0102	San Vittorino	
ZEN8	San Zeno di Montagna	
SASS	Sassa´´´´´´	
SSO	Sasso d'Italia	
SARO	Sassorosso	
STN3	Satriano di Lucania, Italy	
SBPO	S.Benedetto Po	
SEI	Scarperia	
SCHR	S. Chirico Raparo	
MSCL	Scilla	
RM06	Scoppito	
SACR	S. Croce Del Sannio	
SC2M	Scurtabo	
NEGI	Seborga	
RE04	Sedrio (Vezzano sul Crostolo) - RE	
RM21	Selvarotonda (Cittareale)	
SENI	Senigallia	
FG2	Serracapriola	
ATBU	Serra di Burano	
SERS	Sersale	
SG1	Sgolgore (BA)	
SGO	Sicignano	
SIE	Siena	
A004	Sigillo	
AD05	S.Marcello (AN)	
SAMA	S.Maria delle Mole (Ciampino, Roma)	
SMP	Somplago	
CELB	S.Piero in Campo Elba	
T0501	Spinello di Santa Sofia (FC)	
SPIE	Spinoso	
STAL	STALIGIAL	
SAE	Statte	
GIN	Stromboli-G	
PZZ	Stroppo	
TUE	Stuetta	
TLI	Talmassons	
TAR1	Taranto	
TA1	Taranto	TTI
TAR	Taranto	
TTI	Taranto	
TO06	Tarquinia - VT	
TO07	Tarquinia - VT	
TEOL	Teolo	
TERO	Teramo	
RE05	Terme di Santa Lucia (Busana) - RE	
ISOR	Termini	
RM16	Terranera (Rocca di Mezzo)	
TDS	Terranova Sibari	
TIP	Timpagrande	
TITE	Tito	
TOLF	Tolfa	
TO04	Tolfa - RM	
TO01	Tolfa - RM	
TLM	Tolmezzo	
TOPPO	Toppo, Italy	
TNO	Torino	
AT10	Torre dell'Olmo (Gubbio) - PG	
TRTR	Tortoreto Alta	
TRAV	Traversella	
TRE	Trente	
TRV	Treviso	
TTE	Trieste	
TRI	Trieste	
TRS	Trieste (CM)	
TRIF	Trifonti	
TRIV	Trivento	
TU1	Tuscania	
UDN	Udine	UDI
UDI	Udine OGS	
VAJ	Vajont	
VALM	Valbona	
AA02	Valdichiascio	
VAGA	Valle Agricola	
T0105	Valle d'Ocre (Ocre)	
VAI	Varese	
VARE	Varese	
VEA	Veano	
RE03	Vedriano (Canossa) - RE	
VEN	Venice	
VENT	Ventotene	
PR01	Verghereto (FC)	
RM29	Verrico (Montereale)	
OV1	Vesuviano	OVO
OVO	Vesuviano	
VARP	Vesuvio Array Permanente	
VBKN	Vesuvio Bunker Nord	
VCRE	Vesuvio Cratere Est	
VTIR	Vesuvio Tirone	
VVDG	Vesuvio Valle Del Gigante	
VMG	Vicchio	
RM23	Viesci	
VIGE	Viggiano	
VCEL	Villa Celiera	
VLC	Villacollemandina	
VVI	Villa di Villa	
VINO	Villanova	
VVLD	Villa Vallelonga	
VINC	Vinca	
VISG	Visignano	
T0202	Vitale (Isola del Liri - FR)	
VTB1	Vitulano	
VOBA	Vobarno	
VG1	Voghera	
ZCCA	Zocca	
ZOU	Zoufplan	
San Marino		
RSM	Repubblica di San Marino	
Sardinia		
CCI	Cagliari Citta	
CGL	Cagliari Serpeddi	
CA2	Cagliari Serpeddi	CGL
CRL	Carloforte	
CUG	Cuglieri	
DGI	Dorgali Grotta	
OLB	Olbia	
VSL	Villasalto	
Sicily		
EACI	Aci Sant'Antonio	
CAGR	Agira	
IACL	Alicudi	
ACL	Alicudi	
MALI	All	
ATN	Antennamare	
AIO	Antillo	
AQ6*	Aqua Casa	
HAGA	Augusta	
AGST	Augusta-Monte Tauro	
HAVL	Avola	
EBCN	Bocca Nuova	
CLTB	Caltabellotta	
CM6*	Campone	
CV6*	Capo Vaticano	
HCRL	Carlentini	
ECBD	Case Bada	
ECPN	Case del Piano	
ECVS	Case del Vescovo	
ECZM	Case Zampini	
MSRU	Castanea	
CSLB	Castelbuono	
ECML	Castelmola	
CVT	Castelvetrano	
CAVT	Castelvetrano	
ECTS	Castiglione	
MCSR	Castroreale	
CAT	Catania	
ECNV	Catenanuova	
EZPO	C.da Z Pietro	
ECIS	Cisternazza	
ECDV	Codavolpe	
EPOL	Con Chiusa Politi	
ECCS	Contrada Cassone	
CORL	Corleone	
CRJA	Costa Raja	
ECNE	Crateri Nord Est	
ER1	Erice	ERC
ERC	Erice	
EBEL	Etna Belvedere	
FAI	Favara	
FAVR	Favara	
FA1	Favara	FAI
IFIL	Filicudi I Eolie	
EFIU	Fiumefreddo	
VL6*	Forgia Vecchia	
GZI	Ganzirri	
GIB	Gibilmanna	
EGFM	Gr delle femmine	
IMT	Isola di Marettimo	
LVI	Isola Levanzo	
LV9	Isola Levanzo	LVI
HLNI	Lentini	
LLI	Lipari	
ILMG	Lip M Gallina IE	
ILIQ	Lip Q Pani IE	
EMLP	Malpasso	
ECAN	Masseria Cannata	
MEI	Melilli	
MSI	Messina ING	
MES1	Messina Univ.	MES
MES	Messina University	
MILZ	Milazzo	
MNE	Mineo	
HMNO	Mineo	
HMDC	Modica	
MMME	Mongiuffi-Melia	
MTGR	Montagna Grande	
EARC	Monte Arcimis	
EMAR	Monte Arcimis	
ESAN	Monte dei Santi	
MFNL	Monte Finestrelle	
EMFO	Monte Fontane	
EMGR	Monte Grosso	
EMIL	Monte Intraleo	
MEU	Monte Lauro	
MMGO	Monte Magaggiaro	
EN6*	Monte Nero	
EMNR	Monte Nero	
EMPL	Monte Parmentelli	
MPG	Monte Pellegrino	
MR6*	Monte Rosa	
EMRV	Monte Ruvolo	
ESVO	Monte Scavo	
MNO	Monte Soro	
ESRO	Monte Soro	
EMSG	Monte Spagnolo	
EMVT	Monte Vetore	
MVT	Monte Vettore	
MCT	Mte Cammarata	
ENCS	Nicolosi	
ENLS	Nicolosi	
NOV	Novara	
HPAR	Pala Acreide	
PZI	Palazzolo	
PLR	Palermo	
MPAZ	Palizzi	
PLI	Panarea	
ME12	Panarea 2	
IPAN	Panarea IE	
PTS	Pantelleria	
PTMD	Pantelleria Cuddia di Mida	
EPIS	Pennisi	
EPET	Petrulli	
EPAP	Piano d'Api	
PV6*	Piano Vulcano	
EPMN	Piedimonte	
EPDN	Pizzo Deneri	
EPZF	Pizzo Felice	
EPPA	Pizzo Paviglione	
PLLN	Pollina	
MPNC	Port Mandanici	
SL6*	Punta Lena	
EPLC	Punta Lucia	
RAFF	Raffo Rosso	
ERSA	Rifugio Sapienza	
ISLN	Salina IE	
SG6*	San Gibilmanna	
GIO	San Gregorio	
ECHR	Santa Chiara	
ESAL	Sant'Alfio	
EVRN	Santa Venerina	
SCLL	Scilla	
ESCV	Scorciavacca	
ESLN	Serra La Nave	
ESPC	Serra Pizzuta	
HSRS	Siracusa	
ESML	S. M. di Licodia	
SOLUN	Solunto	
SSY	Sortino	
STR3	STROMBOLI 3	
STR4	STROMBOLI 4	
STR5	Stromboli 5	
ISPL	Str Punta Lena IE	
ETAR	Tardaria	
ETFI	Torre del Filo	
USI	Ustica	
VAE	Valguarnera	
EVNA	Vena	
HVZN	Vizzini	
VN6*	Vulcanello	
IVCR	Vulcano Cr IE	
IVUG	Vulcano Grillo IE	
IVLT	Vulcano Lentia IE	
VPL	Vulcano Piano	
ZA1	Zafferana	
Kosovo		
GJIK	Gjilan	
PEJK	Peje	
PRZK	Prizren	
SMRK	Smrekonice	
ZATK	Zatriq	
Latvia		
SLIT	Slitere, Latvia	
Lithuania		
IDID	Didziasalis	
IIGN	Ignalina	
INPP	Ignalina Nuclear	
ISAL	Salakas	
IZAR	Zarasai	
Luxembourg		
LKLB	Kalborn	
LUX	Luxembourg	
LVIA	Vianden	
WLF	Walferdange	
Malta		
MLT	Malta	
WDD	Wield Dalam	
Moldova		
KGL	Cahul	
GIUM	Giurgiulesti	
KIS	Kishinev	
LEOM	Leova	
MILM	Milestii Mici	
SORM	Soroca	
Monaco		
MON	Monaco	
Montenegro		
IVA	Berane	
BEY	Berane	IVA
BUM	Brajici-Budva	
BRY	Bratogost	
BDV	Budva	
CEME	Cevo	
DRME	Dracevica, Montenegro	
HCY	Herceg Novi	
KOME	Kolasin	
NKY	Niksic	
NKME	Niksic	
PVY	Plav	
PLE	Pljevlja	
PDG	Podgorica	TTG
TTG	Podgorica	
ULC	Ulcinj	
UPM	Unac-Piva	
Netherlands		
NE38	Dalfsen	
DBN	De Bilt	
ENM1	Eenrum	
ENM	Eenrum	
ENM3	Eenrum	
ENM2	Eenrum	
ENM4	Eenrum	
ENV	Elp	
ENV3	Elp / Enerveen	
ENV2	Elp / Enerveen	
ENV1	Elp / Enerveen	
ENV4	Elp / Enerveen	
ENN	Epen	
FSW	Finsterwolde	
FSW1	Finsterwolde 1	
FSW2	Finsterwolde 2	
FSW3	Finsterwolde 3	
FSW4	Finsterwolde 4	
FSW5	Finsterwolde 5	
FDG1	Firdgum	
FDG3	Firdgum	
FDG2	Firdgum	
FDG4	Firdgum	
NE42	Fort Lent	
HWF	Haulerwijk	
HWF2	Haulerwijk	
HWF3	Haulerwijk	
HWF4	Haulerwijk	
HWF1	Haulerwijk	
HEE	Heerlen	
HGN	Heimansgroeve	
HKB	Herkenbosch	
NE32	Kootwijk	
NE31	Losser	
MAME	Mamelis	
NEER	Neeritter	
OPLO	Oploo	
OTL3	Oterleek	
OTL	Oterleek	
OTL1	Oterleek	
OTL2	Oterleek	
OTL4	Oterleek	
PPB	Philisteinsche Polder	
PPB2	Philisteinsche Polder (Bergen)	
PPB1	Philisteinsche Polder (Bergen)	
PPB3	Philisteinsche Polder (Bergen)	
PPB4	Philisteinsche Polder (Bergen)	
RSB	Ravensbos	
RDC	Rolduc	
SCHN	Schinveld	
SPY4	Spijk (Roodeschool)	
SPY3	Spijk (Roodeschool)	
SPY2	Spijk (Roodeschool)	
SPY1	Spijk (Roodeschool)	
SUH1	Surhuizum	
SUH3	Surhuizum	
SUH4	Surhuizum	
SUH2	Surhuizum	
NE37	Ubbergen	
NE05	Utrecht	
VKB	Valkenburg	
NE15	Valkenburg	
VBG	Venebrugge	
VBG1	Venebrugge (Bruchterveld)	
VBG2	Venebrugge (Bruchterveld)	
VBG3	Venebrugge (Bruchterveld)	
VBG4	Venebrugge (Bruchterveld)	
VLW	Vlagtwedde	
VLW4	Vlagtwedde	
VLW3	Vlagtwedde	
VLW1	Vlagtwedde	
VLW2	Vlagtwedde	
WMH	Warmenhuizen	
WMH1	Warmenhuizen	
WMH2	Warmenhuizen	
WMH3	Warmenhuizen	
WMH4	Warmenhuizen	
NIW2	Wetzens (Niawier)	
NIW3	Wetzens (Niawier)	
NIW4	Wetzens (Niawier)	
NIW1	Wetzens (Niawier)	
WYN2	Wijnaldum	
WYN3	Wijnaldum	
WYN1	Wijnaldum	
WYN4	Wijnaldum	
WTSB	Winterswijk	
NE40	Winterswijk	
WTS	Winterswijk	
NE04	Witteveen	WIT
WIT	Witteveen	
WDB	Woudbloem	
WDB1	Woudbloem 1	
WDB2	Woudbloem 2	
WDB3	Woudbloem 3	
WDB4	Woudbloem 4	
ZLV1	Zuidlaarderveen	
ZLV	Zuidlaarderveen	
ZLV2	Zuidlaarderveen	
ZLV3	Zuidlaarderveen	
ZLV4	Zuidlaarderveen	
ZL21	Zuidlaarderveen (2)	
ZL24	Zuidlaarderveen (2)	
ZL23	Zuidlaarderveen (2)	
ZL22	Zuidlaarderveen (2)	
ZWE1	Zweins	
ZWE3	Zweins	
ZWE4	Zweins	
ZWE2	Zweins	
Nordrhein-Westfalen		
BAVN	Auguste-Victoria Mine North	
BULI	Ruhr-University Bochum - Language Institute	

Norway
Jan Mayen Island
JMI Jan Mayen
JNE Jan Mayen East
JNW Jan Mayen West
AKN Aaknes
ARCES ARCESS Array Beam Reference Point
ARA0 ARCESS Array Site A0
ARA1 ARCESS Array Site A1
ARA2 ARCESS Array Site A2
ARA3 ARCESS Array Site A3
ARB1 ARCESS Array Site B1
ARB2 ARCESS Array Site B2
ARB3 ARCESS Array Site B3
ARB4 ARCESS Array Site B4
ARB5 ARCESS Array Site B5
ARC1 ARCESS Array Site C1
ARC2 ARCESS Array Site C2
ARC3 ARCESS Array Site C3
ARC4 ARCESS Array Site C4
ARC5 ARCESS Array Site C5
ARC6 ARCESS Array Site C6
ARC7 ARCESS Array Site C7
ARD1 ARCESS Array Site D1
ARD2 ARCESS Array Site D2
ARD3 ARCESS Array Site D3
ARD4 ARCESS Array Site D4
ARD5 ARCESS Array Site D5
ARD6 ARCESS Array Site D6
ARD7 ARCESS Array Site D7
ARD8 ARCESS Array Site D8
ARD9 ARCESS Array Site D9
ARE0 ARCESS Array Site E0
ARNS Arna
ASK Askoy
BER Bergen
RORSS Ber_school_1
MELSS Ber_school_2
BJO Bjornoya
BJO1 Bjornoya
BLS Blasjo
BLS1 Blasjo
BLS2 Blasjo
BLS5 Blasjo
BLS3 Blasjo
N1R6 Dalselv
DOMB Dombas
N2B4 Drage
EGD Espegrend
FOO Floro
FLOS Flostrand
STOK2 Flostrand
FRO Froya
HAMF Hammerfest
N1R5 Hammernes
N2B5 Haus
HOMB Homborsund
HYA Hoyanger
JMIC Jan Mayen
KMY Karmoy
KTK1 Kautokeino
KTK2 Kautokeino
KTK3 Kautokeino
KTK4 Kautokeino
KTK6 Kautokeino
KTK5 Kautokeino
KRK Kirkenes
KON Kongsberg KONO
KONO Kongsberg
KONS Konsvik
STOK1 Konsvik
N2B6 Leirgulen
LHN Lillehammer
N1R4 Lillevand
N1R2 Lillevik
LOF Lofoten
N2B3 Lovikneset
MVG Mesters Vig
MOR1 Moi Rana
MOR6 Moi Rana
MOR5 Moi Rana
MOR7 Moi Rana
MOR2 Moi Rana
MOR3 Moi Rana
MOR4 Moi Rana
MOR8 Moi Rana
MOL Molde
N2B2 Myklebust
NSS Namsos
N1R3 Nordsjona
NORES NORESS Array Beam Reference Point
NRA0 NORESS Array Site A0 NORES
NRA1 NORESS Array Site A1
NRA2 NORESS Array Site A2
NRA3 NORESS Array Site A3
NRB1 NORESS Array Site B1
NRB2 NORESS Array Site B2
NRB3 NORESS Array Site B3
NRB4 NORESS Array Site B4
NRB5 NORESS Array Site B5
NRC1 NORESS Array Site C1
NRC2 NORESS Array Site C2
NRC3 NORESS Array Site C3
NRC4 NORESS Array Site C4
NRC5 NORESS Array Site C5
NRC6 NORESS Array Site C6
NRC7 NORESS Array Site C7
NRD1 NORESS Array Site D1
NRD2 NORESS Array Site D2
NRD3 NORESS Array Site D3
NRD4 NORESS Array Site D4
NRD5 NORESS Array Site D5
NRD6 NORESS Array Site D6
NRD7 NORESS Array Site D7
NRD8 NORESS Array Site D8
NRD9 NORESS Array Site D9
NRE0 NORESS Array Site E0
NA0 NORSAR 1A NAO
NOA NORSAR Array Beam Reference Point NB2
NAO00 NORSAR Array Site 01A00 NAO
NAO01 NORSAR Array Site 01A01
NAO02 NORSAR Array Site 01A02
NAO03 NORSAR Array Site 01A03
NAO04 NORSAR Array Site 01A04
NAO05 NORSAR Array Site 01A05
NBO00 NORSAR Array Site 01B00 NBO
NBO01 NORSAR Array Site 01B01
NBO02 NORSAR Array Site 01B02
NBO03 NORSAR Array Site 01B03
NBO04 NORSAR Array Site 01B04
NBO05 NORSAR Array Site 01B05
NCO Norsar Array Site 01C00
NB200 NORSAR Array Site 02B00 NB2
NB201 NORSAR Array Site 02B01
NB202 NORSAR Array Site 02B02
NB203 NORSAR Array Site 02B03
NB204 NORSAR Array Site 02B04
NB205 NORSAR Array Site 02B05
NC200 NORSAR Array Site 02C00 NC2
NC201 NORSAR Array Site 02C01
NC202 NORSAR Array Site 02C02
NC203 NORSAR Array Site 02C03
NC204 NORSAR Array Site 02C04
NC205 NORSAR Array Site 02C05
NC300 NORSAR Array Site 03C00 NC3
NC301 NORSAR Array Site 03C01
NC302 NORSAR Array Site 03C02
NC303 NORSAR Array Site 03C03
NC304 NORSAR Array Site 03C04
NC305 NORSAR Array Site 03C05
NC400 NORSAR Array Site 04C00 NC4
NC401 NORSAR Array Site 04C01
NC402 NORSAR Array Site 04C02
NC403 NORSAR Array Site 04C03
NC404 NORSAR Array Site 04C04
NC405 NORSAR Array Site 04C05
NC600 NORSAR Array Site 06C00 NC6
NC601 NORSAR Array Site 06C01
NC602 NORSAR Array Site 06C02 NRE0
NC603 NORSAR Array Site 06C03
NC604 NORSAR Array site 06C04
NC605 NORSAR Array Site 06C05
N10 NORSAR Subarray 10C Beam Reference Point
N11 NORSAR Subarray 11C Beam Reference Point
N12 NORSAR Subarray 12C Beam Reference Point
N13 NORSAR Subarray 13C Beam Reference Point
N14 NORSAR Subarray 14C Beam Reference Point
NAO NORSAR Subarray 1A Beam Reference Point
NBO NORSAR Subarray 1B Beam Reference Point
NB2 NORSAR Subarray 2B Beam Reference Point
NC2 NORSAR Subarray 2C Beam Reference Point
NB3 NORSAR Subarray 3B Beam Reference Point
NC3 NORSAR Subarray 3C Beam Reference Point
NB4 NORSAR Subarray 4B Beam Reference Point
NC4 NORSAR Subarray 4C Beam Reference Point
NB5 NORSAR Subarray 5B Beam Reference Point
NC5 NORSAR Subarray 5C Beam Reference Point
NB6 NORSAR Subarray 6B Beam Reference Point
NC6 NORSAR Subarray 6C Beam Reference Point
NB7 NORSAR Subarray 7B Beam Reference Point
NC7 NORSAR Subarray 7C Beam Reference Point
NC8 NORSAR Subarray 8C Beam Reference Point
NC9 NORSAR Subarray 9C Beam Reference Point
ODD Odda
ODD1 Odda
OSGS Os
OSG Oseberg A Platform
OO-NW Oslo
OO- Oslo OO-NW
OSL Oslo
RGS Rognes
RUND Rundenannen
SNART Snartemo
SOTS Sotra
STF Statfjord A Platform
STAV Stavanger
STEI Steigen
STOK Stokkvaagen
SUE Sulen
TRO Tromso
TBLU Trondheim
TRON Trondheim
N2B1 Tytingvag
N2B7 Tytingvag
N1R1 Vettahaugen
Svalbard
EO1 Edge Oya
HOPEN Hopen
HSP Hornsund
HSPB Hornsund (broadband)
ISF Isfjord
KBS Kingsbay
SPITS Spitsbergen Array Beam Reference Point
SPA0 Spitsbergen Array Site A0 SPITS
SPA1 Spitsbergen Array Site A1
SPA2 Spitsbergen Array Site A2
SPA3 Spitsbergen Array Site A3
SPB1 Spitsbergen Array Site B1
SPB2 Spitsbergen Array Site B2
SPB3 Spitsbergen Array Site B3
SPB4 Spitsbergen Array Site B4
SPB5 Spitsbergen Array Site B5

Pays de la Loire
PIAC Piriac/mer

Poland
BEL Belsk
MIKI Bielsko-Biala
BYT Bytom
CHZP Chorzow
CHZ Chorzow
CYP Chylin
DGP Dabrowa Gornicza
GKP Gorka Klasztorna
PHL Hel
KWP Kalwaria Paclawska
KRA Krakow
KSP Ksiaz
NIE Niedzica
OJC Ojcow
RAC Raciborz
RBN Rybnik
SUW Suwalki
WAR Warsaw
BRE Wroclaw
ZAB Zabrze

Portugal
Azores
AGA Agualva
ADH Angra Heroismo
ADH0 Angra Heroismo
PBIS Biscoitos
CALA Caldeira
PCND Candelaria
PCAN Candelaria
CDRO Cedros
CEDR Cedros
PCED Cedros
CML Cha da Macela
CMLA Cha da Macela
PCNG Congro
PMAT Coroa da Mata
FAC Faja de Cima
PFAD Fenais da Ajuda
PFET Feteiras
FLOR Flores Is
FOT Fontinhas
FRA1 Furnas
FRA Furnas
SET2 Ginetes
PGRA Graciosa
GRON Grota Negra
HOR Horta
LFA Lagoa do Fogo
PLUZ Luz
PMAN Manadas
MIRA Miradouro
MESC Monte Escuro
MTSA Monte Escuro
SET4 Mosteiros
PICO Pico
BART Pico Bartolomeu
PCRZ Pico da Cruz
PFAV Pico das Favas
PSMN Pico do Norte, Sta. Barbara
PBOI Pico dos Bois
PPAD Pico dos Padres
PTEI Pico do Teixo
PVER Pico Vermelho
PIED Piedade
SET3 Pilar
PDA Ponta Delgada
PTCA Ponta do Capelo
PPNO Prainha do Norte
PRCH Ribeira Ch
RIA0 Ribeira da Areia RIA
RIA Ribeira da Areia
PID Ribeirinha
RIB2 Ribeirinha
RIB Ribeirinha
ROSA Rosais
SDCA Salto do Cavalo
ASBA Santa Barbara
STGR Santa Cruz
PSMA Santa Maria
SAZ Santa Maria Island
PAMA Santo Amaro
PSAN Santo Antonio
SRBC Serra Branca
PSBA Serra de Santa Barbara
PSCM Serra do Cume
SCUM Serra do Cume
PSET Sete Cidades
SETA Sete Cidades
TOPO Topo
VIF Vila Franca
PVNV Vila Nova
PVIA Vitoria
Madeira Islands
FUL Funchal
PMAR Madeira
PMOZ Porto Moniz, Madeira
PMPS Porto Santo
PMPST Porto Santo, Madeira
PACT Alcochete
PALC Alcoutim
ALMR Almeirim
AMRP Almeirim
PCAL Alvares
PFBV Barranco
PBDV Barranco-do-Velho
PBAR Barrancos
PBEJ Beja
PBRG Braganca
PCAB Cabril
PCAS Casmilo, Condeixa
PCBR Castelo Branco
PCVE Castro Verde
COI Coimbra
PCOI Coimbra
PESTR Estremoz
EVO Evora
NE27 Evora EVO
FAR Faro
PFFO Foia
PGAV Gavieira, Arcos de Valdevez
INMG Instituto de Meteorologia, Lisbon
POLO Lamas de Olo
LIS Lisbon
PMST Lisbon--Monsanto
PLOU Loures
PMAFR Mafra
MTE Manteigas
MORF Marmelete
PMRV Marv??o
MESJ Messejana
MVO Moncorvo
MTH Montachique
PMTG Montargil
PFMF Monte Figo
FIG Monte Figo
PMJU Montehunto
MOE Montemor
PNCL Nicolau / Grandola
PLML Palmela
PDRG Pedrog??o
PFPE Pera
PRL Portalegre
PTO Porto
PFSC Santa Clara
PFSB Sao Bartolomeu
EVOP Sao Brissos
PTEO Sao Teotonio
PSSC Serra do Socorro
PTOM Tomar
PVAQ Vaqueiros
PSRV Vialonga--Serves
PFVI Vila Bisbo
PVRL Vila Real
PVIS Viseu
NE21 MTE

Provence-Cote d'Azur
BELV Belvedere
CAGN Cagnes-sur-Mer
MENA Menton
NCAD Nice - Cite Administrative des Alpes-Maritimes
NPOR Nice, Eglise du Port
NALS Nice, Jardin Alsace-Lorraine
NLIB Nice, Liberation
NBOR Nice, Mont Boron
NROC Nice, Saint-Roch
ASEAF Site Antares, Toulon

Rhone-Alpes
OG35 Corcelles

Romania
ADJ ADJUD
AMRR Amara
ARCR ARCALIA
ARR Arges
BAC Bacau
BMR Baia Mare
BANR Banloc
BERR Berezeni
BIZ Bicaz
BIR Birlad
BISC BISOCA
BRD Bordesti
BUC Bucharest
BUC1 Bucharest
BUC2 Bucharest BUC1
BAPR Bucharest-Childs Park
BGMR Bucharest-Geological Museum
BTMR Bucharest-Geotec Company
BBIR Bucharest-INCERC-borehole
RBAR Bucharest-INCERC-Test Bldg
BVCR Bucharest-Old Court
BSTR Bucharest-Scientist's House
BLHR Bucharest-Stefan cel Mare Str.
BURAR Bucovina Array
BUR04 Bucovina Ar. Site
BUR08 Bucovina Ar. Site
BUR03 Bucovina Ar. Site
BUR09 Bucovina Ar. Site
BUR02 Bucovina Ar. Site
BUR05 Bucovina Ar. Site
BUR01 Bucovina Ar. Site
BUR07 Bucovina Ar. Site
BUR06 Bucovina Ar. Site
BUCF Bucures@17ti--IRSA
SGEB BUCURESTI
DTIR Bucuresti-Nicolae Titulescu
BUR32 BURAR
BUR33 BURAR
BUZR Buzau
BZS Buzias
CDB Caldarusani
CGN Calugareni
CMP Campulung
CFR Carcaliu
CEI Carei

Code	Station Name	Other
CEA	Ceahlau	
CVDA	Cernavoda	
CVD	Cernavoda	
CVD1	Cernavoda-Power Plant	
CNCR	Cernica	
GSMB	CHITILA	
CIOR	Ciorogarla	
CLIR	CLINCENI	
CLO	Closani	
CLU	Cluj	
CJR	Cluj-Napoca	
CJR1	Cluj-Napoca	
CLI	Colonesti	
CCF	CONSTANTA	
CVO	Covasna	
COZ	Cozia	
CRAR	CRAIOVA	
DEV	Deva	
DOC	Dochia	
DOPR	Dopca	
DRR	Dragan	
DRA	Dragasani	
EFOR	EFORIE	
FTB	Fintinele	
FOC	Focsani	
GIRR	Girov	
RMVG	GOVORA	
GZR	Gura Zlata	
RMGR	Halanga-Turnu Severin	
HARR	Harsova	
HNM	Heniu Mare	
HUMR	Humele	
IAS	Iasi	
INCR	INCERC-Sediu Central	
ISRF	Istric ta	
ISR	Istrita	
JOSR	Joseni	
LRR	Leresti	
LOPT	Lopu atari	
LOT	Lotru	
MII	Malini	
MSR	Malnas	
MANR	Mangalia	
MTUR	Matau	
MDB	Medias	
MOGR	Mogosoaia	
PMGR	Mogosoaia	
MDVR	Moldovita	
MSAB	Monastry St. Andrei	
MLR	Muntele Rosu	
NARJ	Nu aruja	
ODBI	Odobesti	
ODB	Odobesti	
ONCR	Oncesti	
PCHR	PETRACHIOAIA	
PTT	Piatra Neamt	
PLAR	PLOIESTI	
PPF	PLOIESTI	
PLOR7	Plostina	
PLOR	Plostina	
PLOR1	Plostina Array site 1	
PLOR2	Plostina Array site 2	
PLOR3	Plostina Array site 3	
PLOR4	Plostina Array site 4	
PLOR5	Plostina Array site 5	
PLOR6	Plostina Array site 6	
PGOR	Pogoanele	
PMRF	Poiana Mare	
PPE	Popeni	
POPR	Popesti-Leordeni	
PRAR	RASCA	
SCHRR	Schitu	
SBE	Sebes	
AAR	Sfinta Ana	
SIBR	Sibiu	
SNX	Sinaia	
SIRR	Siria	
STFR	Stefanesti	
SRE	Strehaia	
SDR	Surduc	
SSR	Susara	
SSA	Susara	SSR
TIM	Timisoara	
TIRR	Tirgusor	
TLB	Topalu	
TNR	Turnu Rosu	
TUU	Turnu Rosu	
VLR	Valea Ierii	
VCT	Victoria	
VRI	Vrincioaia	
VARR		
TESR		
SULR		
GHRR		
SECR		
VOIR		
TLCR		
OZUR		
HADR		
GRER		
TUDR		
PETR		
DRGR		
LUCR		
SIRB		
FULR		
ZIMR		
LTRR		
GALR		
GOLR		
Serbia		
BARS	Barje	
BGY	Belgrade	
BEO	Beograd	
BOLS	Boljevac	
BOSS	Bosilegrad	
BOVS	Bovan	
VVOS	Brankovina	
DIVS	Divibare	
DJES	Djerdap	
FGSL	Fruska Gora	
FRGS	Fruska Gora	
GRUS	Gruza	
HOPOS	Hopovo Monastery	
IVAS	Ivanjica	
KMIS	Kosovska,, Mitrovica	
KUBS	Kucevo	
BBLS	Lazići	
MDRV	Mala Drenova	
NOVS	Nova Varos 1	
NVSS	Nova Varos 2	
PTNS	Petnica	
RUDS	Rudovci	
SELS	Selova	
SJES	Sjenica	
STRS	Struganik	
SVIS	Svilajnac	
TEKS	Tekeris	
TRUS	Trudelj	
ZAPS	Zavoj	
NISS		
Sicily		
MSFR	San Fratello	
IST3	Stromboli F	
ISTR	Stromboli Ginostra	
ISTP	Stromboli Pizzo	
MUCR	Ucria	
Slovakia		
BRA	Bratislava	
ZST	Bratislava	
CRVS	Cervenica-Dubnik	
HRB	Hurbanovo	
SRO1	Iza	
KECS	Kecovo	
KOLL	Kolacno	
KOLS	Kolonicke sedlo	
LIKS	Likavka	
LANS	Liptovska Anna	
SRO2	Moca	
MODS	Modra-Piesok	
POLL	Polichno	
SPC	Skalnate-Pleso	
SMOL	Smolenice	
SRO	Srobarova	
STHS	Stebnicka Huta	
VYHS	Vyhne	
Slovenia		
BISS	Bistriski jarek	
BOJS	Bojanci	
KBZS	Brezje pri Sen	
CADS	C@19adrg	
CRES	C@19res@19njevec Ostr	
CEY	Cerknica	
CESS	Cesta pri Krskem	
CRNS	Crni Vrh	
DOBS	Dobrina	
DBY	Dobrovo	
GOLS	Golis@17e	
GBAS	Gorenja Brezovica	
GRJ	Gorje	
GORS	Gorjuse	
GBRS	Gornja Briga	
GCIS	Gornji Cirnik	
GROS	Grobnik	
JAVS	Javornik	
KNDS	Knez@19ji Dol	
KOGS	Kog	
LEGS	Legarje	
LJU	Ljubljana	
MOZS	Mozjanca	
PERS	Pernice	
PDKS	Podkum	
ROBS	Robic@19	
SKDS	Skadanscina	
VBY	Vinica-Bojanci	
VISS	Vis@19nje	
VOY	Vojsko	
VOJS	Vojsko	
VNDS	Vrh nad Dolskim	
ZAVS	Zavodnje	
Spain		
Balearic Islands		
EIBI	Ibiza	
MAHO	Mahon	
ETOS	Mallorca	
ESEL	Selva	
Canary Islands		
CHIO	Chio	
CDLV	Cueva Verdes	
CTIG	El Hierro	
CHIE	El Hierro	
CFTV	Fuerteventura	
CFUE	Fuerteventura	
GGC	Guia Canaria	
GUI	Guimar	
CICO	Icod de los Vinos	
EGOM	La Gomera	
CLAN	Lanzarote	
CCAN	Las Canadas	
CRAJ	Montana Rajada	
MACI	Morro de la Arena	
TBT	Taburiente	
TEN	Tenerife	
CTFE	Tenerife	
CVVD	Valverde	
VVD	Valverde	
Ceuta		
CEUT	Ceuta	
EADA	Adamuz	
ADRA	Adra	
EXAD	Adra	
E011	Adriano, Sevilla	
EAGO	Agolada(Pontevedra)	
ERON	Agron	
NE11	Ainzon	
ALBA	Albanya	
EALB	Alboran	
EXAL	Albunol	
ALCN	Alcanar	
AFC	Alfacar	
ALCS	Alfacar	
EXAO	Algodonales	
EXAA	Alhama Almeria	
EALH	Alhama de Murcia	
EXAG	Alhama Granada	
ALI	Alicante	
EXAI	Alicante	
ALJ	Aljibe	
EALK	Alkurruntz	
ALM	Almeria	
EXAM	Almeria	
E015	Alquife, Granada	
ARAC	Aracena	
YARA	Arangoiti	
EARA	Aranguren	
EXAR	Arenas del Rey	
EARI	Arriondas	
AAPN	Arroyo Pinares	
YASP	Aspurt	
AVN	Avellanes	
E017	Aznalcollar, Sevilla	
EBAD	Badajoz	
EXBA	Badajoz	
EBAJ	Bajamar	
EBAN	Banos Encina	
EXBZ	Baza	
E009	Beas, Huelva	
EXBE	Becerrea'	
EBEN	Beniarda	
EXBN	Benidorm	
YBER	Berdun	
EBER	Berja	
CBEU	Beuda	
EBIE	Bielsa	
BRUG	Bruguera	
CBRU	Bruguera	
E022	Bujalance, Cordoba	
ACBG	Cabo de Gata	
EXCA	Cadiz	
E006	Caete la Real, Malaga	
ECAL	Calabor	
ACLR	Calar Alto	
AALM	Campus Universitario de Almeria	
ACU	Canalobre	
CART	Cartagena	
CRT	Cartuja	
COBS	Casablanca	
E005	Casares, Malaga	
CCAS	Cassa de la Selva	
E032	Castillo de Giribaile, Vilches, Jaen	
SCRT	Cerro San Cristobal	
ECEU	Ceuta	
CEU	Ceuta	
ECHE	Chera	
EXCH	Chimeneas	
ACHM	Chimeneas	
ECHI	Chisagues Bielsa	
ECOG	Cogollos-Vega	
CNIL	Conil	
ECRI	Cripan	
EXDI	Dilar	
DILR	Dilar	
EBRE	Ebro Roquetas	
EBR	Ebro Roquetas	
ECAB	El Cabril	
EXEL	Elche	
IELO	Elcoad	
EXED	Elda	
EXEE	El Ejido	
EGRO	El Granado	
ELIZ	Elizondo	
E019	El Pedroso, Sevilla	
E018	Embalse de El Pintado, Sevilla	
E932	Embalse del Gaudalen, Jaen	
IEPA	Eparoz	
ESPR	Espera	
ESPO	Espot	
ESTP	Estepa	
EXES	Estepona	
CEST	Esterri de Cardos	
FBR	Fabra	
EFAM	Famara	
FONT	Fontmartina	
CFON	Fontmartina	
AFON	Font Roja	
AFUE	Fuente Hervidero	
EXGA	Gandia	
CGAR	Garraf	
GIBL	Gibalbin	
GORA	Gorafe	
NE14	Granada	
EGRA	Graus	
GUD	Guadarrama	
EGUA	Guajares	
EXGUA	Guardamar (Alicante)	
HACH	Hacho	
EHRO	Hierro	
EHIG	Higuera	
EHOR	Hornachuelos	
HORN	Hornachuelos	
ERTA	Horta de San Juan	
E025	Huelma, Jaen	
EXHU	Huelva	
EHUE	Huescar	
EINC	Incio	
ALR	Isla de Alboran	
IPRE	Itoiz	
EXJA	Jaen	
JAND	Jandula	
E028	Jerez de los Caballeros, Badajoz	
EJIF	Jimena Frontera	
EJIM	Jimena Frontera	
EXJU	Jumilla	
NE11*	La Almunia	
EJON	La Jonquera	
EMUR	La Murta	
ELAN	Lanestosa	
ERUA	La Rua	
E031	Las Morras, Villanueva del Duque, Cordoba	
CAVN	Les Avellanes	
E034	Letur, Albacete	
LIJA	Lijar	
CLLI	Llivia	
ELOB	Lobios	
LGR	Logrono	
ALOJ	Loja	
EXLO	Lorca	
EXLR	Lorqui	
EXLU	Lugo	
ELUQ	Luque	
MDD	Madrid	
EXMA	Malaga	
MAL	Malaga	
EMAL	Malaga-Limonero	
E012	Marchena, Sevilla	
E024	Martos, Jaen	
CMAS	Mas de Barberans	
EMAZ	Mazaricos	
EMEL	Melilla	
MELI	Melilla	
EMIJ	Mijas	
EMIN	Mina Concepcion	
EMIR	Miracle	
MOMI	Momias	
EMON	Mondonedo	
POBL	Monestir Poblet	
MRB	Monserrat	
EMOS	Mosqueruela	
EXMO	Motril	
EXMU	Mula	
YNAR	Nardues-Aldunate	
ANER	Nerja	
ENIJ	Nijar	
E033	Ojanco, Jaen	
OJEN	Ojen	
OLT	Olot	
EXOR	Olula del Rio	
ORG	Organya	
CORG	Organya	
ORGV	Orgiva	
CORI	Orista	
E007	Orjiva, Granada	
EORO	Oroz-Betelu	
EOSO	Osorio	
E010	Palacio de Doana, Huelva	
CPAL	Palau Saverdera	
EXPA	Pamplona	
PARA	Parapanda	
APCG	Parque de las Ciencias	
YMUS	Pe˜–a Musera	
E030	Peraleda del Zaucejo, Badajoz	
APHE	Pico Herrero	
PINR	Pinar	
EPLA	Plasencia	
PLAT	Plata	
EPOB	Poblet	
PONT	Pont de Suert	
EPON	Pontenova	
EPRU	Pruna	
E002	Puerto del Bujeo, Cadiz	
NE13	Puertollano	
EQUE	Quentar	
EQES	Quesada	
RANB	Rancho Bola	
REAL	Reales	
RESI	Resinera	
ERIP	Rio Piedras	
TINT	Rio Tinto	
EROQ	Roquetas del Mar	
E016	Rosal de la Frontera, Huelva	
E008	San Bartolome de la Torre, Huelva	
ESAC	San Caprasio	
SFS	San Fernando	
SFUC	San Fernando	
PAB	San Pablo	
EPAB	San Pablo	
SRQ	San Roque	
E020	Santaella, Cordoba	
NE30	Santa Pau	
STS	Santiago	
NE26	Santiago de Compostela	
SESP	Santiago Espada	
EXSA	Sarria	
ASCB	Sierra Cabrera	
E026	Sierra de Lcar, Granada	
ELIJ	Sierra de Lijar	
E001	Sierra del Retn, Cadiz	
SELV	Sierra Elvira	
ELVI	Sierra Elvira	
EGOR	Sierra Gorda, Loja, Granada	
ELOJ	Sierra Loja	
ASMO	Sierra Morrones	
YSIG	Sigues	
ESBB	Sonseca Array BB	
ESDC	Sonseca Array Beam Reference Point	
ES01	SONSECA Array Site 01	
ES02	SONSECA Array Site 02	
ES03	SONSECA Array Site 03	
ES04	SONSECA Array Site 04	
ES05	SONSECA Array Site 05	
ES06	SONSECA Array Site 06	
ES07	SONSECA Array Site 07	
ES08	SONSECA Array Site 08	
ES09	SONSECA Array Site 09	
ES10	SONSECA Array Site 10	
ES11	SONSECA Array Site 11	
ES12	SONSECA Array Site 12	
ES13	SONSECA Array Site 13	
ES14	SONSECA Array Site 14	
ES15	SONSECA Array Site 15	
ES16	SONSECA Array Site 16	
ES17	SONSECA Array Site 17	
ES18	SONSECA Array Site 18	
ES19	SONSECA Array Site 19	
ESLA	Sonseca Array Site A	
ESLB	Sonseca Array Site B	
ESLC	Sonseca Array Site C	
ESLD	Sonseca Array Site D	
ESLE	Sonseca Array Site E	
ESLF	Sonseca Array Site F	
ESLG	Sonseca Array Site G	
CSOR	Sort	
YSOS	Sos del Rey Catolico	
EXTA	Tarifa	
ATEJ	Tejeda	
ETER	Terradas	
ETOB	Tobarra	
NE17	Toledo	TOL
TOL	Toledo	
TLO	Toledo HGLP	
E013	Torcal de Antequera, Malaga	
TORR	Tordecillas	
ETOR	Torete	
EXTO	Torrevieja	
E035	Torrevieja, Alicante	
CTRE	Tremp	
CADI	Tunel del Cadi	
IUNC	Unciti	
YUND	Undues	
UCM	Universidad Complutense Madrid	
E029	Usagre, Badajoz	
IUSE	Utxeti	
NE12	Valle Caidos	

Code	Station Name	Other
EVAL	Valverde	
VAN2	Vandellos 2	
VELZ	Velez Rubio	
EXVE	Vera	
EVIA	Vianos	
VIH	Vielha	
VILA	Vilada	
E021	Villaviciosa de Cordoba, Cordoba	
EZAM	Zamans	
NE28	Zamora	
IZUN	Zunzarren	
NE19		LGR
NE24		ALI
NE20		ALM
NE25		EBR
NE23		FBR
NE22		MAL
Sweden		
ABB	Abborrasen	
ABK	Abisko	
ASPU	Aespoe	
ATR	Alsterbro	
APP	Appelbo	APO
ARNU	Arnoeviken	
ASKU	Askersund	
APO	Äppelbo	
BACU	Backbrunna	
BJUU	Bjuv	
BLEU	Blekinge	
BORU	Boraas	
BYD	Bredaryd	
BREU	Bredtraesk	
BURU	Burvik	
BYXU	Byxelkrok	
DEL	Delary	
DEL1	Delary	
DUNU	Dundret	
EKSU	Eksjoe	
ERTU	Ertsjaerv	
ESKU	Eskilstuna	
FKPU	Falk	
FABU	Falkenberg	
FALU	Falun	
FINU	Finntorp	
FLYU	Flymyra	
FORU	Forsmark	
GNOU	Gnosjoe	
GOT	Goteborg	
NE01	Goteborg	
GOTU	Gotland	
GRAU	Graesoe	
GBD	Granbergs Dal	
GNN	Gunnerudssatern	
HFS	Hagfors	
HFSA1	Hagfors Array Site A1	
HFSB1	Hagfors Array Site B1	
HFSB2	Hagfors Array Site B2	
HFSB3	Hagfors Array Site B3	
HFSB4	Hagfors Array Site B4	
HFSB5	Hagfors Array Site B5	
HFSC1	Hagfors Array Site C1	
HFSC2	Hagfors Array Site C2	
HFA0	Hagfors New Array Site A0	
HFA1	Hagfors New Array Site A1	
HFA2	Hagfors New Array Site A2	
HFA3	Hagfors New Array Site A3	
HFB1	Hagfors New Array Site B1	
HFB2	Hagfors New Array Site B2	
HFB3	Hagfors New Array Site B3	
HFB4	Hagfors New Array Site B4	
HFB5	Hagfors New Array Site B5	
HFC2	Hagfors New Array Site C2	
HVK	Hallstavik	
HARU	Harads	
HASU	Hassela	
HED	Hedekas	
HEMU	Hemsoen	
HRN	Horndal	
HUDU	Hudiksvall	
HUSU	Husum	
IGGU	Iggoen	
KALU	Kalix	
KLS	Karlskrona	
KTN	Katrineberg	
KIR	Kiruna	
KUA	Kurravaara	
LANU	Lannavaara	
LILU	Lilltraesk	
LNKU	Linkoeping	
LUN	Lund	
LUNU	Lund	
MRE	Mariestad	
MASU	Masugnsbyn	
MYV	Myrviken	
NSD	Nasudden	
NIKU	Nikkaluokta	
NRAU	Nora	
NOD	Norderasen	
NRTU	Norrtaelje	
NYK	Nykoping	
NYNU	Nynaeshamn	
OSTU	Oestervaala	
OLF	Olofstrom	
ORK	Orkelljunga	
OSKU	Oskarshamn	
PAJU	Pajala	
ROTU	Roteberg	
SALU	Saltoluokta	
SJUU	Sjulsmark	
SKA	Skalstugan	
SOLU	Sollefteaa	
SGAS	Stanga	
SLL	Stollet	
STRU	Stroemstad	
SVAU	Svanoeiden	
TNU	Tenhult	
TJOU	Tjoern	
TBY	Torsby	
UDD	Uddeholm	
UME	Umea	
UMAU	Umeaa	
UPP	Uppsala	
VANU	Vaenersborg	
NASU	Vaermlandsnaes	
VSTU	Vaestervik	
VXJU	Vaexsjoe	
VNY	Varmlds Nysat	
VAS	Vassijaure	
VEB	Veberod	
VIKU	Vikbolandet	
VIM	Vimmerby	
Switzerland		
Luzern		
SLUW	Luzern Werkhofstrasse	
Raron		
LAUCH	Lauchernalp	
ACHB	Acheberg	
AIGLE	Aigle	
APL	Alpnach	
SAUR	Augst-Roemermuseum	
BALST	Balsthal	
BNALP	Bannalp	
BBS	Basel-Blauen	
SBAF	Basel-Friedhofgasse	
SBAP	Basel-PUK	
SBAT	Basel-Tropenhaus	
BAS	Basle	
BERNI	Berninapass	
SBIS2	Binningen	
BOURR	Bourrignon	
BRI	Brig	
BIBA	Brigerbad	
BUB	Buchberg	
SBUA2	Buchs, Altendorf	
SBUB	Buchserberg Malbun	
SCEL	Celerina	
SULZ	Cheisacher	
CHIR1	Chironico	
CHU	Chur	
SCOU	Cournillens	
CUNA	Curaglia	
DAVON	Davos	
DAVOS	Davos	
DAVOX	Davos/Dischmatal	
ZUR	Degenried	
DOETR	Doetra (Olivone)	
EMBD	Embd, Mattertal	
EMO	Emosson	
EMS	Emosson-Mur	
FIESA	Fiescheralp	
FLACH	Flaach	
EWZT1	Frdhf. Weidikon, ZR	
SFRA	Frenkendorf	
FUSIO	Fusio	
SGEV	Gen^ove, Vieux-Billard	
SGEM	Genf, Marziano	
DIX	Grande Dixence	
GRIMS	Grimsel Gerstenegg	
GRYON	Gryon	
HALTI	Haltingen (BS)	
HASLI	Hasliberg/Brienz	
SKAF	Kaiseraugst-Friedh	
KAMOR	Kamor	
LIENZ	Kamor/St.Gall Rh.T	
SALAN	Lac Salanfe	
SENIN	Lac Senin/Sanetsch	
RITOM	Lago Ritom (SBB)	
NOV4	La Tour-de-Pellz	
BRANT	Les Verrieres	
LKBD	Leukerbad	
LKBD2	Leukerbad 2	
SLTM2	Linthal, Matt	
LLS	Linth-Limmern	
LUKA1	Lukmanier-Pass	
MMK	Mattmark	
MELS	Mels	
MUGIO	Muggio	
MFSFA	Multi FST (Faido)	
MFSFB	Multi FST (Faido)	
MUO	Muotathal	
SMUK	Muraz-Klaeranlage	
SMUR	Muraz-Reservoire	
SMZW	Muttenz-Waldhaus	
NARA	Nara (Leontica)	
NEC	Neuchatel	
NEU	Neuchatel	
NOV1	NOV1	
NOV2	NOV2	
NOV3	NOV3	
FUORN	Ofenpass-Fuorn	
ORB	Orbe	
OTTER	Otterbach	
OTER1	Otterbach 1 (BS)	
OTER2	Otterbach 2 (BS)	
OSS	Ova Spin	
PANIX	Pigniu (Panix)	
PLONS	Plons/SG	
SRER	Reinach, Rainenweg	
SRNR	Reinach, Reinacherhof	
RIEH2	Riehen 2 (BS)	
SRHB	Riehen-Baumlih	
SAX	Saentis	
SCHE	Schaffhausen-Ebnat	
SCHS	Schaffhausen, Spital	
SLE	Schleitheim	
MATTE	Schuetzenmatte (BS)	
SCUC	Scuol-Clozza	
SIERE	Sierre	
SIMPL	Simplonpass	
SIS	Sion	
SIOO	Sion-Ophtalmol	
SIOV	Sion-Valere	
CURA	Stauanlage Cunera	
STEIN	Stein am Rhein	
GIMEL	St. Georges / Gimel	
JOHAN	St. Johann (BS)	
STAF	Tafers	
TMA	Tamaro	
TORNY	Torny/Romont	
TONGO	Tortengo (Faido)	
EWZT0	Triemli, ZR	
TRULL	Truellikon	
STSP	Tschierv	
PIORA	Tunnel	
EWZT3	Uitikon, ZR	
VDL	Val di Lei	
SVAM	Vaz, Muldain	
EMV	Vieux Emosson	
SVIL	Visp Littennaring	
SVIO	Visp Obere Stapfengasse	
SVIT	Visp-Terbinerstrasse	
VANNI	Vissoie, Val d'Anniviers	
WEIN	Weingarten	
EWZT2	Wettswil, ZR	
WILA	Wila	
WIMIS	Wimmis	
SYVJ	Yverdon-Jordils	
SYVP	Yverdon-les-Bains, rue des Philosophes	
SZER	Zernez	
ZLA	Zuerich Laegern	
ZUL	Zurich-Lageren	
Valais		
SGRA	Graechen Ausblick	
SNIB	St. Niklaus Bahnhofstrasse	
Ukraine		
ALU	Alushta	
BERU	Beregovo	
BRIU	Brid	
CHRU	Chernivtsi	
CRA	Chernovtsy	
CRB	Chernovtsy (B)	
FEO	Feodosiya	
HORU	Horodok	
KERU	Kerch	
KIEV	Kiev	
KORU	Korolevo	
KSV	Kosov	
KMPD	K-Podol'skiy	
LVV	L'vov	
MKY	Makeyevka	
AKASG	Malin Array Beam Reference Point	
AK01	Malin Array Site 01	
AK02	Malin Array Site 02	
AK03	Malin Array Site 03	
AK04	Malin Array Site 04	
AK05	Malin Array Site 05	
AK06	Malin Array Site 06	
AK07	Malin Array Site 07	
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AK12	Malin Array Site 12	
AK13	Malin Array Site 13	
AK14	Malin Array Site 14	
AK15	Malin Array Site 15	
AK16	Malin Array Site 16	
AK17	Malin Array Site 17	
AK18	Malin Array Site 18	
AK19	Malin Array Site 19	
AK20	Malin Array Site 20	
AK21	Malin Array Site 21	
AK22	Malin Array Site 22	
AK23	Malin Array Site 23	
AKBB	Malin Array Site BB	
MEZ	Mezhgor'ye	
MORS	Morshin	
MRSS	Morshin	MORS
MUKU	Mukachevo	
NDNU	Novodnistrovsk	
NSLU	Nyzhne Selyshche	
NE56	Odesa	
NE58	Poltava	
RAKU	Rahkiv	
RAK	Rakhov	
SEV	Sevastopol'	
SHIU	Shidnytsya	
SIM	Simferopol'	
NE55	Skvira	
STNU	Starunia	
STZU	Stuzhytsa	
SUDU	Sudak	
TRSU	Trosnyk	
UZH	Uzhgorod	
YAL	Yalta	
United Kingdom		
Channel Islands		
JRS	Jersey	
JDC	Jersey Dam (Crest)	
JDG	Jersey Dam (Gallery)	
JLP	Les Platons	
JQE	Queens East	
JSA	Saint Aubin	
JVM	Valle D.L. Mare	
England		
HAE	Alders End	
XAL	Allendale	
AFH	Ashford Hill	
ABA1	Baconsthorpe	
BHM	Barham	
BATH	Bath	
BID	Bidston	
BMY	Bingley Moor	
KBI1	Birley Grange	
BKN	Blacknest	
HBL2	Bonnylands	
LBO	Bowland	
TBW	Brentwood	
BUW	Bucklebury West	
CBW1	Budock Water	
BUWY	Burn	
CCA1	Carnmenellis	
LCP	Cassop	
CWF	Charnwood Forest	
CHDUK	Cheddleton UK	
CLB	Chilbolton	
TCR	Colchester	
DCO	Combe Farm	
CCO1	Constantine	
LCK	Crook	
XDE	Dent Fell	
CDU1	Dunnerdale	
DUR	Durham	
AEU	East Anglia University	
TEB	Eastbourne	
ELSH	Elham, Standardhill Farm (Kent)	
HEX	Exmoor	
TFO1	Folkestone	
CGH1	Goonhilly	
HGH	Gray Hill	
GILD	Guildford	
CGW	Gweek	
HTL	Hartland	
SFH	Hasselmere	
HPK	Haverah Park	
HEA	Headley	
HMNX	Herstmonceux	
HHWY	High Hoyland	
LHO	Holmfirth	
SIW	Isle of Wight	
CKE	Keswick	
KESW	Keswick, Cumbria	
KEW	Kew	
KEY1	Keyworth	
KEY2	Keyworth	
LKL	Kirkby Lonsdale	
SKP1	Kophill	
LDU	Leeds University	
LVR	Liverpool	
LLO	Longridge	
LLY	Lytham Saint Anne's	
CMA1	Manaccan	
LMK	Market Rasen	
SMD	Mendips	
CME	Menerdue Farm	
MMY	Middlesmoor	
LMI	Millom	
LBH	Morecambe B102	
OLDB	Oldbury-Upon-Severn	
OMWY	Oxenhope Moor	
OXD	Oxford	
APAE	Packway	
CPZ	Penzance	
POE	Porton East	
POS	Porton South	
QMB	Queensbury	
LRN	Richmond	
CRQ	Rosemanowes	
CRQ2	Rosemanowes 2	
SBD	Saint Breward	
CSF	Scaffel	
TSA1	Sevenoaks	
SHT	Sharpitor	
SHID	Shide	
SCK	South Creake	
CSA1	St Austell	
CST1	Stithians	
STNC	Stoke	
STO	Stonyhurst	
SSW	Stow on the Wold	
STRD	Stroud	
SWN1	Swindon	
KSY	Syston	
BTA	Talkin	
KTG1	Tilbrook Grange	
KUF	Ufford	
SWK	Warminster	
KWE	Weaver Farm	
WBE	West Bromwich	
AWH	Whinburgh	
LWH	Whinny Nab	
AWI1	Witton	
WOL	Wolverton	
WON	Wolverton North	
DYA	Yadsworthy	
Isle of Man		
WIM	Isle of Man	
GIM	North Isle of Man	
Northern Ireland		
GCL	Cushendall	
GMM	Mts of Mourne	
Orkney Islands		
OHO	Hoy	
OST	Stronsay	
OWE	Westray	
Scotland		
ABE	Aberdeen	
EAB	Aberfoyle	
KAC	Achnashellach	
MVH1	Achvaich	
KAR1	Arisaig	
EAU	Auchinoon	
EBH	Black Hill	
BBO1	Bothel	
OBR	Brabster	
EBL	Broad Law	
BBH	Bruntsheil	
RCR	Cape Wrath	
PCA1	Carrot	
GCD	Castle Douglas	
ECK	Cauldkaine Hill	
BCC1	Chapelcross	
MCD	Coleburn Distillery	
PCOU	Corrie	
BDL	Dobcross Hall	
MDO	Dochfour	
EDR	Drumtochty	
EDU	Dundee	
EDI	Edinburgh	
REB	Eisghbrachaidh	
EKG	Eskdalemuir	EKB
EKB	Eskdalemuir	
ESK	Eskdalemuir	
EKA	Eskdalemuir Array	
EKB1	Eskdalemuir Array Site B1	
EKB10	Eskdalemuir Array Site B10	
EKB2	Eskdalemuir Array Site B2	
EKB3	Eskdalemuir Array Site B3	
EKB4	Eskdalemuir Array Site B4	
EKB5	Eskdalemuir Array Site B5	
EKB6	Eskdalemuir Array Site B6	
EKB7	Eskdalemuir Array Site B7	
EKB8	Eskdalemuir Array Site B8	
EKB9	Eskdalemuir Array Site B9	
EKR1	Eskdalemuir Array Site R1	
EKR10	Eskdalemuir Array Site R10	
EKR2	Eskdalemuir Array Site R2	
EKR3	Eskdalemuir Array Site R3	
EKR4	Eskdalemuir Array Site R4	
EKR5	Eskdalemuir Array Site R5	
EKR6	Eskdalemuir Array Site R6	
EKR7	Eskdalemuir Array Site R7	
EKR8	Eskdalemuir Array Site R8	

Code	Station Name	Other
EKR9	Eskdalemuir Array Site R9	
MFI	Fishrie	
RFO	Forsnaval	
EGL	Gala Law	
EGL1	Gala Law	
GAL1	Galloway	
PGBU	Glenifferbraes	
BHH	Howats Hill	
INVG	Invergeldie, Comrie	
KYL	Kyle	
MLA1	Latheron	
ELO	Logie Almond	
DRUM	Mains of Drumtochty	
MME1	Meikle Cairn	
PMSU	Muirshiel	
GMK	Mull of Kintyre	
KNR1	Nevis Range	
BNA	New Abbey	
POB1	Observatory	
KPL	Plockton	
ORE	Reay	
RRH	Rhenigidale	
RRR	Rubha Reidh	
RSC	Scourie	
KSK	Scoval	
KSB	Sheil Bridge	
XSO	Sourhope Farm	
ESY	Stoneypath	
RTO	Tolsta	
OTO	Tongue	
BIGH	Upper Bighouse, Forsinard	
BWH	Wardlaw	
Shetland Islands		
LRWS	Lerwick	
LRW	Lerwick	
SAN1	Sandwick	
SANU	Sandwick	
WALU	Walls	
WAL1	Walls	
YEL1	Yell	
YELU	Yell	
Wales		
BYB	Berrybush	
WBR	Bronaber	
SBD1	Bryn Du	
WCB1	Church Bay	
HCG	Craig Goch	
WFB	Fairbourne	
FOEL	Foel Wylfa	
LPW	Lampeter	
YLL	Llanberis	
LLW	Llanuwychllyn	
WLC	Llyn Conwy	
WLF1	Llynfaes	
HLM1	Long Mynd	
MCH1	Michaelchurch	
MONM	Monmouth	
WME	Myndd Eilian	
HPE	Pembroke	
WPM1	Penmaenmawr	
YRH	Rhiw	
YRC	Rhoscolyn	
SSP1	Stoney Pound	
WST	Stwlan	
HSA	Swansea	
HTR	Trewern Hill	
WVR	Vyrnwy	
YRE	Yr Eifl	
Wales		
WPS	Cemaes, Anglesey	

INDIAN OCEAN

Amsterdam Island		
AIS	Amsterdam Island	
Chagos Archipelago		
DGAR	Diego Garcia	
I52GB	DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	
Christmas Island		
XMIS	Christmas Island	
XMI	Christmas Island	
Cocos Islands		
CCK	Cocos Island	
COCO	West Island	
Crozet Islands		
CRZF	Crozet Islands	
Heard Island		
HII	Heard Island	
Kerguelen Islands		
KCA	Cave	
I23FR	KERGUELEN INFRASONIC ARRAY REFERENCE POINT	
KCH	Monts Chateau	
PMK	Pointe Molloy	
PAF	Port-aux-Francais	
KPB	Port Bizet	
KPD	Port Douzieme	
Mauritius		
MRI	Mauritius Island	
MRIV	Mauritius Meteorological Services (Vacoas)	
Prince Edward Islands		
MIO	Marion Island	
Reunion		
PCR	La Plaine Cafres	
REU	Reunion Island	
RER	Riviere de l'Est	
Seychelles		
SEY1	Mahe	
MSEY	Mahe Island	
SEYC	Seychelles	

NORTH AMERICA

Alaska		
I53US	FAIRBANKS INFRASONIC ARRAY REFERENCE POINT	
Alberta		
RDEA	Red Earth Creek	
Baja California		
ZAX	El Zacaton	
British Columbia		
H02S1	DAWSON INLET T-PHASE SITE S1	
PA01	PA01 North	
PA02	PA02 Ocean	
PA03	PA03 Flamable	
PA04	PA04 Cage	
PA05	PA05 Willingdon	
PA12	PA12 Sannich	
H02N1	VAN INLET T-PHASE SITE N1	
California		
I57US	PINON FLAT INFRASONIC ARRAY REFERENCE POINT	
FRCO	San Francisco	
Canada		
Alberta		
BAN	Banff	
DCA2	Baytree	
DCA1	Bonanza	
CLM	Coleman	
DCA3	Cotillion Park	
EDM	Edmonton	
ELD	Ethyl Lake Duckett	
FSMA	Fort Smith	
HILA	High Level	
JP-	Jasper	JP-AT
JP-AT	Jasper	
KV-	Keg River	KV-AT
KV-AT	Keg River	
PRDA	Priddis	
RAYA	Raymond Alberta	
SES	Suffield	
TMDA	Turtle Mountain	
WAPA	Wapiti River	
WALA	Waterton Lakes	
WS-	Waterways	WS-AT
WS-AT	Waterways	
ORGA		
British Columbia		
HM-BC	100 Mile House	
ALB	Alberni	
ALRB	Anaheim Lake	
ANMB	Anmore	
A07A	Ashnola River, Keremeos	
ATLB	Atluck Lake	
ATC	Attachie	
B928	Bamfield	
BMSB	Bamfield Marine Station	
BPCB	Bare Point	
NCBC	Barkley Canyon	
BNB	Barry Inlet	
BBB	Bella Bella	
BCBC	Bella Coola	
BDBC	Bennett Dam	
WGB	Blue River	
BLBC	Blue River	
BQB	Bob Quinn Lake	
BNAB	Bonilla	
BIB	Bowen Island	
BPBC	Brooks Peninsula	
BMBC	Bull Mountain	
BTB	Buttle Lake	
CK-BC	Cache Creek	
CK-	Cache Creek	CK-BC
CLSB	Cack Lake	
CBB	Campbell River	
SJB	Cape Saint James	
CPLB	Carmanah Point Lighthouse	
AHCB	Chemainus	
CTC	Chetwynd	
A06A	Chilliwack	
CLVB	Cleveland Dam	
COQB	Coquitlam Dam	
CWB	Cumshewa	
CCC	Cusp Creek	
DAWS	Dawson Inlet	
DIB	Dawson Inlet, BC	
DLBC	Dease Lake	
DLB	Dease Lake	
DPRB	Downie Pk Ridge	
DOWB	Downie Slide	
EDB	Eliza Dome	
ENGB	English Bluff	
ETB	Estevan Point	
FHRB	Fair Harbour	
FRC	Federal Ranch	
FRN	Fernie	
FNC	Finlay Fork	
FLLB	Fletcher Lake Big Creek, BC	
FKBC	Forrest Kerr	
FT-BC	Fort McLeod	
FT-	Fort McLeod	FT-BC
FNBB	Fort Nelson	
FL-	Fort Nelson	FL-BC
FL-BC	Fort Nelson	
FNBC	Fort Nelson	
FSB	Fort Saint James	
FSJ	Fort Saint James	
FCBC	Franklin Camp	
GOB	Galiano Island	
GOBB	Galiano Island	
GDR	Gold River	
GSTB	Goldstream Park	
VGZ	Gonzales	
GOWB	Gowlland Point	
HNB	Haney	
HYC	Haney	
HLSB	Harrison Lake South	
HRMB	Harrison Mills	
HBDB	Hayseed and Buckwheat Dairy Farm	
HOLB	Holberg	
HOPB	Hope	
HBC	Horseshoe Bay	
HM-	Hundred Mile H.	HM-BC
JRBB	Jordan River	
KANO	Kano Inlet	
KELB	Kelsey	
KBB	Kelsey Bay	
KLNB	Kelsey New	
LIB	Langara Island	
LR9	Liard River	
LLL	Lillooet	
LLLB	Lillooet	
MABC	Malibu	
SHDB	Maple Bay	
MSTB	Masset	
MASB	Masset	
MAYB	Maynard	
MGCB	McGee Creek	
ME-BC	Merritt	
ME-	Merritt	ME-BC
MCC	Mica Creek	
MCE	Mica Creek	
MCMB1	Michelle Canyon Maxwell	
MOBC	Moresby Island	
MNB	Mounoet Dainard	
FALL	Mountain Creek	
CARB	Mount Cartier	
MGB	Mount Grey	
LZB	Mount Lazard	
OZB	Mount Ozzard	
THOB	Mount Thompson	
MWAB	Mount Washington	
MUB	Muncho Lake	
NDB	Naden	
NAB	Nanaimo	
NLLB	Nanaimo Lost Lake,BC	
GHNB	Nanoose	
NCEN	NEPTUNE Canada Endeavour node	
KEBB	NEPTUNE Canada Endeavour West	
NCHR	NEPTUNE Canada High Rise	
KEMF	NEPTUNE Canada Main Field	
KEMO	NEPTUNE Canada Mothra	
NCRB	Newcastle Ridge	
OFB	Ocean Falls	
NC27	ODP1027	
NC89	ODP889	
SHVB	Paradis Home	
PMB	Pemberton	
PIB	Pender Island	
PNT	Penticton	
PPC	Pine Pass	
PIMB	Pitt Meadows	
PLBC	Pleasant Camp	
B927	Port Alberni	
PACB	Port Alice, BC	
PCB	Port Clements	
PHC	Port Hardy	
PFB	Port Renfrew	
PG-BC	Prince George	
PG-	Prince George	PG-BC
PG2BC	Prince George	
RUB	Prince Rupert	
RUBB	Prince Rupert	
PD-	Princeton	PD-BC
PD-BC	Princeton	
QCC	Queen Charlotte	
QN-BC	Quesnel	
QN-	Quesnel	QN-BC
SLEB	Sale Mountain	
SSIB	Saltspring Island	
SSQ	Sandspit	
SNB	Saturna Island	
SHB	Sechelt	
CLAP	Shields Creek	
PGC	Sidney	
SILB	Sidney Island	
SKB	Skidegate	
SI-BC	Smithers	
SI-	Smithers	SI-BC
SOKB	Sooke	
SPLB	Strathcona Park Lodge	
SURV	Survey Creek	
TABB	Tabernacle Mountain	
TSB	Tasu	
TALB	Tatla Lake BC	
TLCB	Telegraph Cove	
TCBC	Telegraph Creek	
TFRB	Telus,Franklin R.	
TXB	Texada	
THMB	Thunder Mountain BC	
TWBB	Timber West Blakeney	
TWGB	Timber West Granite	
TWKB	Timber West Koksilah	
TSJB	Timber West San Juan	
TOFB	Tofino	
EPMB	Univ. Columbia	
UBRB	Upper Baezaeko River	
SULB	Vanderhoof	
VIB	Van Inlet	
VDB	Vedder Mountain	
VIC	Victoria	
KHVB	Wang Home	
WPB	Watts Point	
WHB	Whistler	
WSLR	Whistler	
WTRB	White River	
WKB	White Rock	
WK-BC	Williams Lake	
WK-	Williams Lake	WK-BC
WCBC	Windy Craggy	
WOSB	Woss	
QURY	Yakoun River	
PHYB	Yellowpoint	
YOUB	Youbou, Lake Cowichan	
Manitoba		
CH-	Churchill	CH-MT
CH-MT	Churchill	
EB-	East Braintree	EB-MT
EB-MT	East Braintree	
FCC	Fort Churchill	
ULM	Lac du Bonnet	
PWM	Pinawa	
New Brunswick		
BATG	Bathurst New Brunswick	
BOIN	Boiestown	
LMN	Caledonia Mountain	
ER218	Early Rise 218	
ER219	Early Rise 219	
ER220	Early Rise 220	
ER221	Early Rise 221	
ER222	Early Rise 222	
ER223	Early Rise 223	
ER224	Early Rise 224	
ER225	Early Rise 225	
ER226	Early Rise 226	
ER227	Early Rise 227	
ER228	Early Rise 228	
ER229	Early Rise 229	
ER230	Early Rise 230	
EBN	Edmundston	
EDMN	Edmundston, New Brunswick	
KLN	McKendrick Lake	
MINB	Miramichi	
GGN	Saint George	
UNB	University of New Brunswick	
Newfoundland		
CODG	Codroy Newfoundland	
CBK	Corner Brook	
DRLN	Deer Lake	
PKN	Parkers Pond	
STJN	Saint John's	
SJNN	Saint John's	
STJ	Saint John's	
WABN	Wabush	
Northwest Territories		
ACKN	Achilles Lake	
ALE	Alert	
AP3N	Apex site 3 Nunavut	
BLC	Baker Lake	
BOXN	Box Lake	
CBAR	Cambridge Bay Array Beam Reference Point	
CB01	Cambridge Bay Array Site 1	
CB11	Cambridge Bay Array Site 11	
CB12	Cambridge Bay Array Site 12	
CB13	Cambridge Bay Array Site 13	
CB14	Cambridge Bay Array Site 14	
CB15	Cambridge Bay Array Site 15	
CB16	Cambridge Bay Array Site 16	
CB17	Cambridge Bay Array Site 17	
CB18	Cambridge Bay Array Site 18	
CB19	Cambridge Bay Array Site 19	
CB02	Cambridge Bay Array Site 2	
CB03	Cambridge Bay Array Site 3	
CB31	Cambridge Bay Array Site 31	CBAR
CB32	Cambridge Bay Array Site 32	
CB33	Cambridge Bay Array Site 33	
CB34	Cambridge Bay Array Site 34	
CB35	Cambridge Bay Array Site 35	
CB04	Cambridge Bay Array Site 4	
CB05	Cambridge Bay Array Site 5	
CB06	Cambridge Bay Array Site 6	
CB07	Cambridge Bay Array Site 7	
CB08	Cambridge Bay Array Site 8	
CB09	Cambridge Bay Array Site 9	
CAMN	Camsell Lake	
CDKN	Chidliak Camp Nunavut	
CLVN	Colville Lake	
COWN	Contwyoto Lake 2	
COKN	Cook Lake	
CMC	Coppermine	
CMBN	Cumberland Camp Nunavut	
DHRN	Dharma Camp	
DVKN	Diavik Mine	
DSMN	Discovery Mine	
EKTN	Ekati Mine	
FST	Fort Simpson	
FST1	Fort Simpson	
FRB	Frobisher Bay	
FBC	Frobisher Bay	
FBN	Frobisher Bay	FRB
GDLN	Gardenia Lake, NWT	
GIFN	Gifford Fjord, Baffin Island, Nunavut	
GLWN	Glow Worm Lake	
GBLN	Grizzly Bear Lake	
HPLN	Hepburn Lake, NWT	
HMNT	Holman	
IGL	Igloolik	
IGLN	Igloolik	
ILON	Igloolik, Nunavut	
IHLN	Indian Hill Lake	
INK	Inuvik	
JERN	Jeri Cho Mine, NWT	
KNDN	Kennady Lake	
KUKN	Kugluktuk,NWT	
LDGN	Lac de Gras North	
LGSN	Lac de Gras South	
LAIN	Lailor River, Nunavut	
LDBN	Lake De Bois	
LUPN	Lupin Mine	
MCKN	MacKay Lake North	
MGTN	Margaret Lake	
MLON	Marlo Lake	
NP-NT	Mould Bay	
MBC	Mould Bay	
NPT	Nicholson Point	
NODN	Nodinka Narrows	
NP-	North Pole	NP-NT
QILN	Qililugaq Exploration Camp	

Code	Station Name	Other
YRTN	Rankin Inlet	
RES	Resolute Bay	
ROMN	Roman Lake	
SXT	Sachs Harbour	
SWT	Sachs Harbour	
SNLN	Sandy Lake, NWT	
SRLN	Sarcpa Lake, Nunavut	
SMPN	Simpson Lake	
SNPN	Snap Lake	
TKT	Tuktoyaktuk	
TUK	Tuktoyaktuk	
WAGN	Wager Bay	
WHFN	White Fish Lake	
YMBN	Yamba Lake	
YNEN	Yamba Lake Northeast	
YKC	Yellowknife	
RSNT	Yellowknife	
YKR8	Yellowknife Ar.	YKB5
YKR0	Yellowknife Array	
YKA	Yellowknife Array Beam Reference Point	
YKB0	Yellowknife Array Site B0	
YKB1	Yellowknife Array Site B1	
YKB2	Yellowknife Array Site B2	
YKB3	Yellowknife Array Site B3	
YKB4	Yellowknife Array Site B4	
YKB6	Yellowknife Array Site B6	
YKB7	Yellowknife Array Site B7	
YKB8	Yellowknife Array Site B8	
YKB9	Yellowknife Array Site B9	
YKR1	Yellowknife Array Site R1	
YKR2	Yellowknife Array Site R2	
YKR3	Yellowknife Array Site R3	
YKR4	Yellowknife Array Site R4	
YKR5	Yellowknife Array Site R5	
YKR6	Yellowknife Array Site R6	
YKR7	Yellowknife Array Site R7	
YKR9	Yellowknife Array Site R9	
YKB5	Yellowknife Array Sites B5 and R8	
YKW1	Yellowknife Array Site W1	
YKW2	Yellowknife Array Site W2	
YKW3	Yellowknife Array Site W3	
YKW4	Yellowknife Array site W4	
Nova Scotia		
CHEG	Cheticamp, Nova Scotia	
ER231	Early Rise 231	
ER232	Early Rise 232	
ER234	Early Rise 234	
ER235	Early Rise 235	
ER236	Early Rise 236	
ER237	Early Rise 237	
ER238	Early Rise 238	
ER239	Early Rise 239	
ER241	Early Rise 241	
ER242	Early Rise 242	
GBN	Guysborough	
HAL	Halifax	
MALG	Malagash, Nova Scotia	
SABG	Sable island	
Nunavut		
ARVN	Arviat, NU	
B1NU	Baffin Island 1	
B2NU	Baffin Island 2	
YBKN	Baker Lake, Hudson Bay	
BULN	Bullion Camp, Hudson Bay	
CLRN	Clyde River	
EUNU	Eureka	
SEDN	First Sedna Site,Hudson Bay	
GFNU	Grise Fiord	
KUGN	Kugaaruk Camp, Nunavut	
MCMN	McManaman Lake, Nunavut	
NUNN	Nunuq Camp, NU	
PINU	Pond Inlet	
JOSN	Second Sedna Site,Hudson Bay	
SMLN	Simpson Lake, Nunavut	
STLN	Stellar Camp, Hudson Bay	
SBNU	Taloyoak	
Ontario		
OT001	1031 Sheenboro Crescent, Ottawa	
OT002	1514 Bourcier, Ottawa	
OT004	16, Winslow Court, Ottawa	
OT008	2758 Massicotte Lane, Ottawa	
OT012	7 Observatory Cres., Ottawa	
OT006	959, Brant, Ottawa	
ACTO	Acton	
AFO2	Alfred	
ALFO	Alfred	
AFO1	Alfred	
ALGO	Algonquin Park	
BASO	Ashfield	
ATKO	Atikokan Iron Mine	
BANO	Bancroft	
OTBB	Blackburn lab bldg12	
BRPO	Bonnechere River Park	
BRCO	Bruce Peninsula	
BUKO	Buck Lake	
BUO	Burlington	
RD01	Burlington	
OTNM	Canadian Museum of Nature	
CLPO	Centennial Lake Park	
CKO	Chalk River	
CRLO	Chalk River	
CFO	Chats Falls	
CLWO	Collingwood	
SSNO	Creighton Mine,Sudbury	
DSNO	Creighton Mine,Sudbury	
DAN	Dane	
DREO	Darlington East Ontario	
DRWO	Darlington West Ontario	
DLA	Delaware (Ont)	
DELO	Deloro Mine	
DVO	Downsview	
ER101	Early Rise 101	
ER102	Early Rise 102	
ER103	Early Rise 103	
ER104	Early Rise 104	
ER105	Early Rise 105	
ER106	Early Rise 106	
ER107	Early Rise 107	
ER108	Early Rise 108	
EFO	Effingham	
EEO	Eldee	
ELFO	Elginfield	
ELF	Elginfield	
ELLO	Elliot Lake	
ELGO	Elora Gorge	
ES-	Espanola	ES-ON
ES-ON	Espanola	
EPLO	Experimental Lakes	
FHO	Fitzroy Harbor	
GTO	Geraldton	
OTGH	Glebe high school	
HGVO	Hagersville	
HSMO	Haileybury School of Mines	
HML	Hamilton	
HUO	Hudson	
KAO	Kapuskasing	
KAPO	Kapuskasing	
KASO	Kasabonika Lake, First Nations Ontario	
KLBO	Killbear Provincial Park	
KGNO	Kingston	
KILO	Kirkland Lake	
KLC	Kirkland Lake	
KLO	Kirkland Lake	
LDIO	Lac des Isle Mine	
LHC	Lakehead University	
LINO	Lindsay	
LDN	London (Ont)	
LND	London (Ont)	
MADO	Madoc	
MW-	Mattawa	MW-ON
MW-ON	Mattawa	
MALO	McAlpine Lake	
BMRO	Meriville Lake	
MSNO	Moosonee Ontario	
RD03	Mount Hope	
MPPO	Murphy's Point	
MUMO	Musselwhite Mine	
NANO	Nakina Ontario	
NSKO	Neskantaga (Lansdowne House)First Nations Ontario	
OTWM	No. 579 Westminster Ave.	
ORHO	Orleans, Heritage Park	
ORIO	Orleans, Innes Road, Ontario	
OT011	OT011	
OTT	Ottawa	
OTRO	Otter Rapids	
PLIO	Pelee Island, Stone Alvar Conservation Area	
PEMO	Pembroke	
PKRO	Pickering	
PKLO	Pickle Lake	
PLVO	Plevna	
PTCO	Port Colborne	
PECO	Prince Edward County	
PNPO	Pukaskwa National Park	
RK-	Red Lake	RK-ON
RDLO	Red Lake	
RSON	Red Lake	
RLKO	Red Lake	
RK-ON	Red Lake	
RSPO	Restoule Provincial Park	
SADO	Sadowa	
STCO	Saint Catharines	
SL-ON	Sault Sainte Marie	
SL-	Sault Ste Marie	SL-ON
SCB	Scarborough	
SXO	Sioux Lookout	
SOO	Sioux Lookout	
SOLO	Sioux Lookout	
RD04	Stoney Creek	
SUO	Sudbury	
SWO	Sudbury	
SZO	Sudbury	
SUD	Sudbury	
SWXO	Sudbury	
SUNO	Sudbury Onaping	
SILO	Sutton Inlier	
TBO	Thunder Bay	
TIMO	Timmins Ontario	
TOBO	Tobermory, Bruce Peninsula National Park	
TNT	Toronto	
TORO	Toronto--Leslie Street Spit	
TYNO	Tyneside	
UWOO	University of Western Ontario	
VIMO	Victor Mine	
BWLO	Walkerton	
RD02	Waterdown	
WEO	Welcome	
WLVO	Wesleyville	
WBO	Williamsburg	
WNR	Windsor	
Quebec		
AKVQ	Akulivik	
YOSQ	Ashton Mining of Canada property	
CNQ	Baie Comeau	
BSPQ	Baie-St-Paul	
BELQ	Belleterre	
BCLQ	Boischatel	
BU-	Buckingham	BU-QB
BU-QB	Buckingham	
CBRQ	Cabonga Reservoir	
CHQ	Charlesbourg	
CHGQ	Chibougamau	
CIQ	Chicoutimi	
CHIQ	Chicoutimi-Nord	
SMQ	Clarke City	
DMCQ	Dolbeau-Mistassini	
ER109	Early Rise 109	
ER110	Early Rise 110	
ER111	Early Rise 111	
ER112	Early Rise 112	
ER113	Early Rise 113	
ER114	Early Rise 114	
ER115	Early Rise 115	
ER116	Early Rise 116	
ER117	Early Rise 117	
ER118	Early Rise 118	
ER119	Early Rise 119	
ER120	Early Rise 120	
ER201	Early Rise 201	
ER202	Early Rise 202	
ER203	Early Rise 203	
ER204	Early Rise 204	
ER205	Early Rise 205	
ER207	Early Rise 207	
ER208	Early Rise 208	
ER209	Early Rise 209	
ER210	Early Rise 210	
ER211	Early Rise 211	
ER212	Early Rise 212	
ER213	Early Rise 213	
ER215	Early Rise 215	
ER216	Early Rise 216	
ER217	Early Rise 217	
GASG	Gaspe, Quebec	
GNT	Gentilly	
GAC	Glen Almond	
GRQ	Grand Remous	
GWR	Great Whale R.	PBQ
GWC	Great Whale River	
GSQ	Grosses Roches	
HTQ	Hauterive	
HMC	Holland Mills	
INUQ	Inukjuak	
IVKQ	Ivujivik	
MLQ1	Kipawa	
KUQ	Kuujjuuaa	
DAQ	Lac Daran	
DHLQ	Lac-des-Plages	
LSQ1	Lac Sinclair, Quebec	
LAQ	La Grande	
LBQ	La Grande	
LCQ	La Grande	
LDQ	La Grande	
LGQ	La Grande	
LTQ	La Grande	
JAQ	La Grande 3	
JBQ	La Grande 3	
JCQ	La Grande 3	
LRQ	La Grande 3	
LXQ	La Grande 3	
KAQ	La Grande 4	
KBQ	La Grande 4	
KCQ	La Grande 4	
LG4Q	La Grande 4	
LQQ	La Grande 4	
LMBQ	La Malbaie	
LMQ	La Malbaie	
POC	La Pocatiere	
LPQ	La Pocatiere	
LATQ	La Tuque	
LSQQ	Lebel-sur-Quevillon	
MNQ	Manicouagan	
MIQ	Maniwaki	
MATQ	Matagami	
A54	Misere	
MOQ	Mont Orford	
MNT	Montreal	
TRQ	Mont Tremblant	
MRNQ	Morin Heights	
MRHQ	Morin Heights	
NEMQ	Nemaska	
NMSQ	Nemaska Station	
ICQ	Pointe Anglais	
PBQ	Poste Baleine	
QCQ	Quebec	QBC
QBC	Quebec	
QCL	Quebec	QBC
RIMQ	Rimouski	
RDLQ	Riviere-du-Loop	
A16	Riviere Ouelle	
ROUQ	Riviere-Ouelle	
A21	Saint Andre	
SADQ	Saint-Augustin-de-Desmaures	
A61	Sainte Mathilde	
SHQ	Saint-Hilarion	
DPQ	Saint Jean	
SLQ	Saint Louis du Ha Ha	
A11	Saint Roch-des-Aulnaies	
A64	Saint Simeon	
SNKN	Sanikiluaq	
SNQN	Sanikiluaq	
SV3QB	Schefferville	
SV2	Schefferville	SV2QB
SV2QB	Schefferville	
SV3	Schefferville	SV3QB
SCH	Schefferville	
SCHQ	Schefferville	
SFA	Sept-Chutes	
SIC	Sept Iles	
SHF	Shawinigan Falls	
SBQ	Sherbrooke	
SO-QB	Sorel	
SO-	Sorel	SO-QB
SANQ	St-Andre-du-Lac-St-Jean	
SELQ	St-Eleuthere	
SGRQ	St-Georges	
SLBQ	St-Lucie-de-Beauregard	
STOQ	Stoneham	
STPQ	St-Pascal	
TADQ	Tadoussac	
JBBQ	Temiscaming	
MLQ2	Temiscaminque	
TMK	Temiskaming	
VDBQ	Val-des-Bois,QC	
VLDQ	Val d'Or	
VDQ	Val d'Or	
VALQ	Val d'Or	
VMC	Ville Marie	
WEMQ	Wemindji, Quebec	
Saskatchewan		
BGUS	Bergheim	
BMS	Big Muddy Lake	
FFC	Flin Flon	
FLAR	Flin Flon Array Beam Reference Point	
FL01	Flin Flon Array Site 1	
FL10	Flin Flon Array Site 10	
FL11	Flin Flon Array Site 11	
FL12	Flin Flon Array Site 12	
FL13	Flin Flon Array Site 13	
FL14	Flin Flon Array Site 14	
FL15	Flin Flon Array Site 15	
FL16	Flin Flon Array Site 16	
FL17	Flin Flon Array Site 17	
FL18	Flin Flon Array Site 18	
FL02	Flin Flon Array Site 2	
FL03	Flin Flon Array Site 3	
FL31	Flin Flon Array Site 31	
FL04	Flin Flon Array Site 4	
FL05	Flin Flon Array Site 5	
FL06	Flin Flon Array Site 6	
FL07	Flin Flon Array Site 7	
FL08	Flin Flon Array Site 8	
FL09	Flin Flon Array Site 9	
SAS	Saskatoon	
Yukon Territory		
BVCY	Beaver Creek	
BH-	Burwash Landing	BH-YK
BH-YK	Burwash Landing	
CTLN	Castor Lake	
DAWY	Dawson	
DWY	Dawson City	
DLY	Dezadeash Lake	
YUK7	Dusty Glacier	
GALN	Gameti Lake	
YUK5	Granite Creek	
HYT	Haines Junction	
ILKN	Indian Lake	
KEY	Kluane	
KRY	Koidern River	
KBT	Komakuk Beach	
YUK3	Moose Creek	
YUK6	Outpost Mountain	
YUK1	Sand Pete Hill	
SPY	Shingle Point	
SIY	Silver City	
YUK4	Talbot Arm	
WL-	Watson Lake	WL-YK
WL-YK	Watson Lake	
WHC	Whitehorse	
WH-YK	Whitehorse	
WH-	Whitehorse	WH-YK
WH2YK	Whitehorse	
WH2*	Whitehorse	WH2YK
WHY	Whitehorse	
YUK2	White River	
Caribbean Sea		
GRGR	Grenville	
BBGH	Gun Hill	
Colima		
H06N	Isla Socorro	
Gulf of St. Lawrence		
MADG	Magdalen Islands	
NATG	Natashquan Quebec	
Hawaii		
I59US	HAWAII INFRASONIC ARRAY REFERENCE POINT	
Manitoba		
I10CA	LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	
Mexico		
Aguascalientes		
AGX	Aguascalientes	
Baja California		
LAX	Bahia de Los Angeles	
CBX	Cerro Bola	
CPBX	Cerro Prieto	
CHIX	Chihuahua	
DELX	Delta	
ECBX	El Chinero	
EGM	El Golfo de Santa Clara	
EMX	El Mayor	
ENX	Ensenada	
ECX	Ensenada	
ECNX	Esteban Cantu	
IGM	Isla Guadalupe	
JQX	Jiquilpan	
LAP	La Paz	
LPX	La Paz	
LPIG	La Paz	
RMX	La Rumorosa	
MBIG	Mexicali	
PGX	Piedras Gordas	
PPXB	Puerto Pe˜–asco	
PBX	Punta Banda	
RDX	Rancho Dawling	
RSJ	Rancho San Jose	
RII	Riito	
SALX	Saltillo	
SFP	San Felipe	
SFX	San Felipe	
SJX	San Joaquin	
SMX	San Miguel	
SPX	San Pedro Martir	
SRIG	Santa Rosalia	
SRL	Santa Rosalia	
SLBS	Sierra La Laguna	
VEX	Veracruz	
VCP	Volcan Cerro Prieto	
Campeche		
SCIG	Sabancuy	
TUIG	Tuzandepetl	
Chiapas		
CZC	Chiapa de Corzo	
BJU	Chiapas	
ARL	Chiapas	
PENM	Chiapas	
LIBM	Chiapas	
MARM	Chiapas	
VGP	Chiapas	
TANM	Chiapas	
UJZ	Chiapas	
PAY	Chiapas	
PORM	Chiapas	
ZZA	Chiapas	
SIPM	Chiapas	
CSN	Chicoasen	
CR1	Chicoasen 1	
CR2	Chicoasen 2	
CR3	Chicoasen 3	
CR4	Chicoasen 4	
CR5	Chicoasen 5	
CR6	Chicoasen 6	
CR7	Chicoasen 7	
COM	Comitan	
CCIG	Comitan	
COM2	Comitan 2	
EJC	Estacion Juarez	
IHC	Ixhuatan	
IXC	Ixtacomitan	
JDN	Jardin	
OZC	Ocozocoautla	
OSCM	Ostuacan	
PMM	Presa Malpaso	

Code	Station Name	Other
PN1	Presa Penitas 1	
PN2	Presa Penitas 2	
PN3	Presa Penitas 3	
PN4	Presa Penitas 4	PORM
SCX	San Cristobal	
SMJM	Simojovel	
TLA	Tapachula	
TPX	Tapachula	
TCX	Tecpatan	
TGBT	Tuxtla Gutierrez	
MUX	Union Juarez	
ZAC	Zacaltic	
PCIG		
THIG		
TGIG		
Chihuahua		
CHH	Chihuahua	
Colima		
CMX	Colima	COLM
COLM	Colima	
SRR	Isla Socorro	
MNZ	Manzanillo	
H06E		
R15V		
EZ5V		
H06S		
Guanajuato		
IGIG	Irapuato, Guanajuato	
LCG	Leon Cerro Gordo	
Guerrero		
ACX	Acapulco	
CDAM	Ciudad Altamirano	
CAIG	El Cayaco	
FLOM	Florida	
LLJ	Guerrero	
CGG	Guerrero	
III	Iguala	
UON	La Union	
LVGX	La Villita	
MEIG	Mezcala	
NUXM	Nuxco	
PPNM	Papanoa	
PPOM	Papayo	
PNIG	Pinotepa	
PLIG	Platanillo	
POGM	Potrero Grande	
CC1	Presa Caracol 1	
CC2	Presa Caracol 2	
CC3	Presa Caracol 3	
CC4	Presa Caracol 4	
CC5	Presa Caracol 5	
PIM	Presa Infiernillo	
ARIG	Puente Sto Nino	
PDEM	Puerto del Eden	
PGOM	Puerto del Gallo	
SJRM	San Jeronimo	
SMAM	San Marcos	
TETM	Tetitlan	
TLIG	Tlapa	
TPG	Tlapa	
HMTT	Tlapaneco	
ZIH	Zihuatanejo	
ZHGX	Zihuatanejo	
ZIIG	Zihuatanejo	
Hidalgo		
TLX	Tulancingo	
Jalisco		
CJM	Chamela	
CGX	Ciudad Guzman	
GUM	Guadalajara	
GUM2	Guadalajara 2	
LNM	Leon	
PUVA	Puert Vallarta	
SFJM	Santa Fe	
UGO	Universidad de Guanajuato	
GDLC		
ACP2	Acapulco	
AMVM	AMECAMECA	
ATVM	ATLACOMULCO	
MAVM	Malinalco, Edo de Mexico	
PBIG	Penon de los Banos, D. F.	
TPIG	Tehuac#an	
TOVM	TOLUCA	
ZUVM	ZUMPANGO	
Mexico D.F.		
IIA	Altzomoni	
AYVM	Ayaqueme	
CRX	Cerrillo	
CGVM	Cerro Gordo	
CHVM	Chichinautzin	
CIVM	Cilcuayo	
CVM	Colonia del Valle	
AZVM	Cuida Lopez Mateos	
DEIG	Demacu	
IIP	El Pino	
IIM	Instituto de Ingenieria, UNAM	
IXT	Ixtapalapa	
JCM	Jocotitlan	
MEX	Mexico City	
OXM	Oxtotitlan	
PTVM	Pico Tres Padres	
PBVM	Pinon	
MDVM	Presa Madin	
PNVM	Presa Marin	
RFVM	Rio Frio	
IIC	Rita Coyotepec	
SZVM	Salazar	
SMMM	San Miguel	
TAC	Tacubaya	
VTVM	Tizayuca	
UNM	Universidad Nacional Autonoma de Mexico	
VCVM	Valle de Chalco	
MZVM		
CGIG		
HSIG		
HPIG		
Mexico:State		
IIJ	Jocotitlan	
IIZ	Mezontepec	
Michoacan		
MMIG	Aquila	
CCMX	Caleta Campos	
LAZM	Lazaro Cardenas	
ZEM	Michoacan	
BVTM	Michoacan	
CBZM	Michoacan	
MOIG	Morelia	
MRX	Morelia	
OSM	Ostula	
URUA	Uruapan	
Morelos		
TPM	Tepoztlan	
YAIG	Yautepec	
Nayarit		
ANÍG	Ahuacatlan	
IMM	Islas Marias	
Nuevo Leon		
LNIG	Linares	
TMM	Tecnologico de Monterrey	
TMM2	Tecnologico de Monterrey 2	
VNM	Villa de Garcia	
Oaxaca		
CEO	Cerro Encantado	
UTMO	Huajuapan	
HUIG	Huatulco	
CMIG	Matias Romero	
OXBJ	Oaxaca	
GUO	Oaxaca	
AZO	Oaxaca	
LAGM	Oaxaca	
OAX	Oaxaca	
YOO	Oaxaca	
PXO	Oaxaca	
OXX	Oaxaca	
PSM	Palmasola	
PIO	Pinotepa	
PLO	Pochutla	
PBJ	Presa Benito Juarez	
PANG	Puerto Angel	
PEX	Puerto Escondido	
PEO	Puerto Escondido	
TEO	Teotitlan	
TXO	Tlaxiaco	
VDF	Valdeflores	
VMO	Villa Marinero	
VHO	Vista Hermosa	
VHM	Vista Hermosa	
Puebla		
ACP	Acatlan	
CHPM	Chiautla de Tapia	
IISM	Ciudad Serdan	
CUPM	Cuyoaco	
MOPM	Molcaxac	
PPM	Popocatepetl	
PHPU	Puebla	
CXP	Puebla	
PUE	Puebla	
CIPM	Puebla	
IIB	San Bernardino	
SRP	Santa Rosa	
TCPM	Tecamachalco	
IIT	Tonantzintla	
VGM	Villa Grajales	
Queretaro		
QUIG	Queretaro	
Sinaloa		
CUL	Culiacan	
MAIG	Mazatlaan	
MZX	Mazatlan	
MAZ	Mazatlan	
TPB	Topolobampo	
Sonora		
CBS	Caborca	
GYM	Guaymas	
LMX	La Mesa Andrade	
RHM	Rio Hardy	
SLX	San Luis R^o Colorado	
SPIG	San Pedro Martir	
EGX	Santa Clara	
Tabasco		
LJS	Tabasco	
Tamaulipas		
TMX	Tampico	
Tlaxcala		
IIO	Organos	
Veracruz		
BUE	Buenavista	
ABR	El Abra	
EVV	El Vigia	
JIL	Jilotepec	
LVIG	Laguna Verde	
LVVM	Laguna Verde	
LJX	Las Lajas	
PZX	Poza Rica	
POHV	Veracruz	
LIMM	Veracruz	
LVMM	Veracruz	
MANM	Veracruz	
CAMM	Veracruz	
VCM	Veracruz	
FARM	Veracruz	
Yucatan		
MER	Merida	
TEIG	Tepich	
Zacatecas		
ZAIG	Zacatecas	
Netherlands Antilles		
Caribbean Sea		
SABA	Saba	
SEUS	St. Eustatius	
SMRT	St. Maarten	
New Hampshire		
DUNH	University New Hampshire, Durham	
Northwest Territories		
EDZN	EDZO	
HFRN	Hoarfrost River	
Oregon		
L02D	Cave Junction, OR	
K04D	Chiloquin, OR	
I03D	Drain, OR	
J05D	Fort Rock, OR	
G03D	McMinnville, OR	
F04D	Rainier, OR	
I05D	Terrebonne, OR	
N02D	Trinity Center, CA	
J04D	Umpqua National Forest, Toketee, OR	
G05D	Wamic, OR	
Prince Edward Island		
TIGG	Tignish, PEI	
Quebec		
BLBQ	Baie-St-Paul	
MNTQ	Montreal, Quebec	
SMCQ	St-Marc-des-Carri^ores	
VABQ	Val Des Bois	
St Pierre and Miquelon		
SPR	Saint Pierre	
Texas		
SAT1	San Antonio Texas	
U.S.A.		
Alabama		
AX-	Alexander City	AX-AL
AX2AL	Alexander City	
AX2	Alexander City	AX2AL
AX-AL	Alexander City	
BO-	Brewton	BO-AL
BRAL	Brewton	
BO-AL	Brewton	
HGA	Collinsville	
DLC	Deerlick Creek	
EMA	Elm	
EU2AL	Eutaw	
EU-	Eutaw	EU-AL
EU-AL	Eutaw	
EU2	Eutaw	EU2AL
FLT	Fleetwood	
FPAL	Fort Paine	
HVA	Hanceville	
HLT	Holt	
BKA	Kennedy	
LRAL	Lakeview Retreat	
LCAL	Lambert Chapel	
LAL	Leola	
LDG	Lodge	
LCA	Log Cabin	
MSAL	Mont Sano	
OCA	Owens Crossroads	
PEA	Pea Ridge	
PTR	Peterson	
PLAL	Pickwick Lake	
PWLA	Pickwick Lake	
RHA	Reichold	
MLAL	Sawyerville	
SHA	Spring Hill	
TDA	Talladega	
TSAL	Tannehill State Park	
Alaska		
AD8	Adagdak	
ADA	Adak	
ADK	Adak	
AD-	Adak Island	AD-IS
AD-IS	Adak Island	
AGAM	Agassiz Lake	
AKUT	Akutan	
AKA	Akutan	
AKA1	Akutan 1	AKA
AKA2	Akutan 2	
AKA4	Akutan 4	
AKA5	Akutan 5	
AKBBA	Akutan Broad B.	
AKGG	Akutan Green Grass	
AHB	Akutan Harbor	
AKLV	Akutan Long Valley	
AKMO	Akutan Morgan	
AKRB	Akutan Reef Bight	
HSB	Akutan Spr's Bay	
AKSA	Akutan Strait	
AKV	Akutan Volcano	
ZRO	Akutan Zero	
ALC	Alcan	
ACK	Alder Creek	
ALAR	ALPA Array Beam Reference Point	
AL31	ALPA Array Site 31	ALAR
AL32	ALPA Array Site 32	
AL33	ALPA Array Site 33	
AL5	ALPA Array Site 35	
AL36	ALPA Array Site 36	
AL37	ALPA Array Site 37	
AMA	Amatignak Island	
AMKA	Amchitka	
AEB	Amchitka	ASB
AMC*	Amchitka	
ANA	Amchitka	
AC-IS	Amchitka	
ANB	Amchitka	
AND	Amchitka	
ASB	Amchitka	
ASC	Amchitka	
ASD	Amchitka	
AWA	Amchitka	
ACA	Amchitka Central A	
ACB	Amchitka Central B	
ACC	Amchitka Central C	
ACD	Amchitka Central D	
ACE	Amchitka Central E	
ACF	Amchitka Central F	
AME	Amchitka East	
AMU	Anchorage	
ANH	Anchorage	
ANI*	Anchorage	ANH
ANCK	Angle Creek	
ACHA	Angle Creek Headwaters	
ANI	Aniakchak	
ANKA	Aniakchak	
ANON	Aniakchak	
AZAC	Aniakchak	
ANIA	Aniakchak Crater	
AJAX	Aniakchak Jack	
ANNE	Aniakchak Northeast	
ANNW	Aniakchak Northwest	
ANPK	Aniakchak Peak	
ANPB	Aniakchak Plenty Bear	
ANV	Anvil Mountain	ANM
AA-IS	Atka	
ATKA	Atka Island	
ATTU	Attu Island--Fox	FX1
FX1	Attu Island--Fox	
AUD	Augustine Domo	
AUF	Augustine Flow	
AUH	Augustine H	
AGI	Augustine Island	
AUE	Augustine Island	
AUI	Augustine Island	
AU2	Augustine Island	
AUL	Augustine Lava	
AUM	Augustine Mound	
AUNW	Augustine NWest	
AUP	Augustine Pinnacle	
AUSE	Augustine SEast	
AGU	Augustine-Summit	
AUW	Augustine West	
ABF	Auke Bay	
BAGL	Bagley Icefield	
BALM	Baldy	
BALA	Baldy Mountain	
BCPM	Bancas Point	
BARK	Barkley Ridge	
BARN	Barnard Glacier	
BGL	Barrier Glacier	
BGRM	Barrier Glacier Two	
BRV	Barrow	
BRW	Barrow	
BI1	Barter Island	
BI2	Barter Island	
BI3	Barter Island	
BI4	Barter Island	
BPAW	Bear Paw Mtn.	
BCAR	Beaver Creek Array Beam Reference Point	
BC01	Beaver Creek Array Site 1	
BC02	Beaver Creek Array Site 2	
BCA3	Beaver Creek Array Site 3	BCAR
BC04	Beaver Creek Array Site 4	
BC05	Beaver Creek Array Site 5	
BLGA	Beluga	
BEH	Bench	
CKT	Bend	
BERG	Berg Lake	
BGLC	Bering Glacier BLM Camp	
BBO	Besboro Island	
BESE	Bessie Mountain	
BET	Bethel	
BQ-AK	Bethel	
BKJ	Big Koniuji Island	
BGM	Big Mountain	
BIG	Big Mountain	
BIO	Biorka	
BRH	Birch Hill	
BLHA	Black Hill	
BLR	Black Rapids	
BKG	Blockade Glacier	
BMT	Blue Mountain	
BLM	Blue Mountain	BMT
AK4	Bobrof	
BRLK	Bradley Lake	
BRNE	Bradley Lake NE	
BRNW	Bradley Lake NW	
BRSE	Bradley Lake SE	
BRSW	Bradley Lake SW	
BMRM	Bremner River	
BDP	Broad Pass	
BWN	Browne	
BRPK	Brown Peak	
BMAR	Burnt Mountain Array Beam Reference Point	
BM01	Burnt Mountain Array Site 1	
BM02	Burnt Mountain Array Site 2	
BM3	Burnt Mountain Array Site 3	
BM04	Burnt Mountain Array Site 4	
BM05	Burnt Mountain Array Site 5	BMAR
CAHL	Cahill	
CDL	Candle	
CNA	Cantwell	
CDY	Cape Darby	
CDA	Cape Douglas	
CDD	Cape Douglas	
CPR	Cape Romanzof	
CSA	Cape Sarichef	
CYT	Cape Yakataga	
CYK	Cape Yakataga	
CGLM	Capps Glacier	
CAST	Castle Rocks	
CHX	Chaix Hills	
CKL	Chakachamna Lake	
CKN	Chakachatna North	
CKK	Chekok	
CNBA	Chernabura Island	
CHGN	Chignik	
CSG	Childs Glacier	
CNPM	China Poot	
CHIA	Chirikof Island	
CHIR	Chirikof Island	
CTGM	Chitina Glacier	
CHW	Chowiet Island	
CKR	Christmas Creek	
CUT	Chulitna	
CHB	Church	
CRQM	Cirque	
CCB	Clear Creek Butte	
CMA	Clear Mews	
CBA	Cold Bay	
CBY	Cold Bay	
COLD	Coldfoot	
COLA	College	
CMO	College--Fairbanks	
CFI	College Fiord	
COL	College Outpost	
CHSA	Colony High School	
CNTC	Contact Creek	
CDI	Cordova	
CVA	Cordova	
EYAK	Cordova Ski Area	
CRAG	Craig	
CRP	Crater Peak	
CPAM	Crater Peak Alternate	
CPKM	Crater Peak Rim	
CP2	Crater Peak Two	
DMB	Deadman Bay	
DHAK	Deception Hills	
DRRA	Deer Island	
DRIA	Deer Island	
DJE	Delta Junction E	
DMW	Delta Microwave	
DHY	Denali Highway	
DMA	Devil Mountain	
DLL	Dillingham	
DSK	Disk Island	
DIV	Divide	
DOL	Dolgoi Island	
DLG	Dolgoi Island	
DDM	Donnelly Dome	
DOT	Dot Lake	
DFR	Drift River	

Code	*Station Name*	*Other*
DHA	Dutch Harbor	
DUT	Dutch Harbor	
DT1	Dutton Round Hill	
DTNA	Dutton South Flank	
EGAK	Eagle	
EAM	Ear Mountain	
NPO	Eielson Array	
ILAR	Eielson Array Beam Reference Point	
ILB	Eielson Array Broadband	ILAR
IL1	Eielson Array Site 1	
IL10	Eielson Array Site 10	
IL11	Eielson Array Site 11	
IL12	Eielson Array Site 12	
IL13	Eielson Array Site 13	
IL14	Eielson Array Site 14	
IL15	Eielson Array Site 15	
IL16	Eielson Array Site 16	
IL17	Eielson Array Site 17	
IL18	Eielson Array Site 18	
IL19	Eielson Array Site 19	
IL02	Eielson Array Site 2	
IL03	Eielson Array Site 3	
IL04	Eielson Array Site 4	
IL05	Eielson Array Site 5	
IL06	Eielson Array Site 6	
IL07	Eielson Array Site 7	
IL08	Eielson Array Site 8	
IL09	Eielson Array Site 9	
EAFB	Elmendorf Base	
ELV	Elvey	
ENG	Engineer Hill	
ERN	Ernestine	
FB2AK	Fairbanks	
FBAS	Fairbanks	
FB-AK	Fairbanks	
FBA	Fairbanks	
FBK	Fairbanks	
FBAL	Fairbanks--Long Period	
FSP	False Pass	
FALS	False Pass	
WFAR	Faris Peak	
FLP	Featherly Pass	
FIB	Fire Island	
FIS	Fire Island	
FYU	Fort Yukon	
FY1	Fort Yukon	
FY2	Fort Yukon	
FY3	Fort Yukon	
FY4	Fort Yukon	
FY5	Fort Yukon	
FOSS	Fourpeaked Station 1	
FONW	Fourpeaked Station 2	
FOPK	Fourpeaked Volcano	
GCSA	Galena City School	
GAMB	Gambell	
GAEA	Gareloi East	
GAKI	Gareloi-Kavalga I.	
GALAA	Gareloi Lava Pt.	
GANO	Gareloi North	
GANE	Gareloi Northeast	
GASW	Gareloi Southwest	
GIA	Geophysical Institute, University of Alaska	
GLB	Gilahina Butte	
GIL	Gilmore Creek	
GLN	Gilmore Dome	
GLM	Gilmore Dome	GLN
GLC	Glacier Island	
GLI	Glacier Island	
GHO	Glory Hole Creek	
GOAT	Goat Mountain	
GKC	Gold King Creek	
GSVT	Goldstream Valley	
GSV	Goldstream Valley	
GOU	Gould Hall	
GBY	Granite Bay	
GRNC	Granite Creek	
GMA	Granite Mountain	
GRLA	Grayling	
AD1	Great Sitkin	
GSCK	Great Sitkin Cape Kiugilak	
GSMY	Great Sitkin Middle Yoke	
GSSP	Great Sitkin Saddle Point	
GSTR	Great Sitkin Teapot Rock	
GSTD	Great Sitkin Triple Divide	
GRIN	Grindle Hills	
GUL	Gulkana	
GYO	Guyot Hills	
HARP	HAARP	
HAG	Hague Volcano	
HMT	Hamilton	
HDA	Harding Lake	
HQN	Harlequin Lake	
HPP	Hepp	
AD4	Hidden Bay	
HIN	Hinchinbrook Island	
HOM	Homer	
HUR	Hurricane	
GSIG	Igitkin Island	
ILIM	Iliamna	
ILM	Iliamna	
ILS	Iliamna Low South	
INE	Iliamna NE	
INW	Iliamna NW	
IVS	Iliamna South	
IVE	Iliamna Volcano East	
ILW	Iliamna West	
RIDG	Independ'e Ridge	
IMA	Indian Mountain	
IMA2	Indian Mountain	
IMAR	Indian Mountain Array Beam Reference Point	
IM01	Indian Mountain Array Site 1	
IM02	Indian Mountain Array Site 2	
IM3	Indian Mountain Array Site 3	
IM04	Indian Mountain Array Site 4	
IM05	Indian Mountain Array Site 5	
ISTK	Isanotski	
ISNN	Isanotski North	
IVF	Ivanof Bay	
JPK	Jack Peak	
JIS	Juneau Island	
ISLE	Juniper Island	
AD3	Kagalaska	
ETKA	Kagalaska Island	
KICM	Kanaga Island Cape Miga	
KIKV	Kanaga Island Kanaga Volcano	
KIMD	Kanaga Island MID Benchmark	
KINC	Kanaga Island North Cape	
KIRH	Kanaga Island Round Head	
KIWB	Kanaga Island Westway Bight	
KTH	Kantishna Hills	
KTM	Katmai	
KAWH	Katmai	
KABR	Katmai Barrier Ridge	
KBM	Katmai Bkd Mtn	
KABU	Katmai Buttress	
KAHC	Katmai Hardscrabble Creek	
KAHG	Katmai Hook Glacier	
KAIC	Katmai Ikagluik Creek	
KAKN	Katmai Knife Crk	
KCE	Katmai Mt Cerb's	
KAPH	Katmai Pasha	
KARR	Katmai Rainbow River	
KVTA	Katmai Vly 10 NE	
KAIM	Kayak Island	
KYK	Kayak Island	
KJL	Kejulik	
KEN	Kenai	
KCN	Ketchikan	
KHIT	Khitrov Hills	
KIAG	Kiagna River	
KMP	Kimball Pass	
KLU	Klutina	
KCG	Knife Ck. Glacier	
KNIM	Knight Island	
KNK	Knik Glacier	
KD1	Kodiak	
KD2	Kodiak	
KD3	Kodiak	
KDAK	Kodiak Island	
KDC	Kodiak Island	
KGR	Kogok River	
KONE	Korovin Northeast	
KONW	Korovin Northwest	
KOSE	Korovin Southeast	
KOKV	Korovin Volcano	
KOWE	Korovin West	
KTA	Kotzebue	
KULT	Kultieth River Mountain	
CHUM	Lake Minchumina	
LTI	Latouche	
LVA	Lava Point	
LVY	Levy	
LSI	Little Sitkin Island	
LSNW	Little Sitkin NW	
LSPA	Little Sitkin PP	
LSSA	Little Sitkin S'e	
LSSE	Little Sitkin SE	
LOGN	Logan Glacier	
LOU	Louis Bay	
MRS	Maars	
OKFG	Magazine Ridge	
MGLS	Mageik Landslide	
MCIR	Makushin Cirque	
MGOD	Makushin Gods Own Repeater Site	
MSOM	Makushin Julie Andrews	
MNAT	Makushin Nateekin	
MREP	Makushin Rep'tr	
MSW	Makushin Switchbacks	
MTBL	Makushin Table Top	
MLP	Malaspina Glacier	MLA
MLA	Malaspina Glacier	
MLY	Manley	
MCARA	McCarthy VSAT	
MCK	McKinley	
MCL	McNeil River	
MCNL	McNeil River	
MENT	Mentasta	
MCR	Mercer	
MESA	MESA	
MMC	Middle Cape	
MID	Middleton Island	
MIK	Minitrack	
MFA	Mitchell Field	
MTG	Montague Island	
MTU	Montague Island	
MSE	Moose Creek	
MCB	Moose Creek Bluff	
MPA	Moose Pass	
ADAG	Mount Adagdak	
KELA	Mount Kelaz	
KOKL	Mount Kliuchef	
SPU	Mount Spurr	
MDM	Murphy Dome	
NGI	Nagai Island	
NAGA	Nagai Island	
NCA	Nelchina	
NEA	Nenana	
NICHA	Nichawak Mountain	
NKA	Nikishka	
NHSA	Nikolaevsk School	
NIK	Nikolski	
NIKO	Nikolski	
NKI	Nikolski	
NIKH	Nikolski High Hill	
NNL	Ninilchik	
NIN	Ninilchik One	
ANM	Nome	
NOM	Nome	
NCG	North Capps Glacier	
NCT	North Crescent	
NGL	North Gasline	
AD7	North Kanaga	
NRA	North River	
AK0	North Tanaga	
AK3	North Tanaga	
AK5	North Tanaga	
AT3	North Tanaga	AK3
NTK	Nunatak	
OPT	Oil Point	
OKAK	Okmok	
OKCD	Okmok Cone D	
OKCE	Okmok Cone E	
OKCF	Okmok Cone F	
OKER	Okmok East Rim	
OKID	Okmok Mt. Idak	
OKTU	Okmok Mt. Tulik	
OKRE	Okmok R'deer Pt	
OKSO	Okmok South	
OKSP	Okmok Steeple Pt	
OKWR	Okmok West Rim	
OKWE	Okmok W'ng Wall	
PMR	Palmer	
PME	Palmer East	
PHSA	Palmer High School	
PMS	Palmer South	
PLRM	Palmer USGS	PMR
PWA	Palmer West	
PTPK	Patty Peak	
PN6	Pavlof North-6	
PN7A	Pavlof North-7A	
PS1A	Pavlof South-1A	
PS4	Pavlof South-4	
PS4A	Pavlof South-4A	
PVV	Pavlof Volcano	
PAX	Paxson	
PDB	Pedro Bay	
PJD	Pedro Dome	
PNL	Peninsula	
PRYA	Perryville	
PSA	Petersburg	
PBG1	Petersburg	
PBG	Petersburg	
PPSA	Petersburg Public Schools	
PLK1	Peulik 1	
PLK2	Peulik 2	
PLK3	Peulik 3	
PLK4	Peulik 4	
PLK5	Peulik 5	
PLBL	Peulik Blue Creek	
PLWL	Peulik Whale Mountain	
PINM	Pinnacle	PCA
PCA	Pinnacle	
PNN	Pinnacle Mountain	
WPOG	Pogromni	
PTB	Point Barrow	
PRP	Porcupine Dome	
PTE	Portage	
FID	Port Fidalgo	
PHA	Port Heiden	
PMA	Port Moller	
PWL	Port Wells	
KPE	Price	
PUB	Puale Bay	
PPLA	Purkeypile	
RC01	Rabbit Creek Array Site 1	
RAGM	Ragged Mountain	
RGD	Ragged Mountain	
RAI	Raspberry Island	
RAT	Rat Island	
RDT	Redoubt	
RDDR	Redoubt East 2	
REF	Redoubt East Flank	
RDJH	Redoubt Jeurgen	
RDN	Redoubt North	
RSO	Redoubt South	
RS1	Redoubt South 1	
RS2	Redoubt South 2	
RED	Redoubt Volcano	
RDE	Redoubt Vol. East	
RDW	Redoubt West	
RDWB	Redoubt West	
RND	Reindeer	
RON	Remote	
REM	Remote	
RIU	Riou	
RKAV	Rock Avalanche	
SDEM	Sadie Cove	
SP-IS	Saint Paul	
SPP	Saint Paul	
SPIA	Saint Paul Island	
SPI	Saint Paul Islands	
SAMH	Samovar Hills	
SNKA	Sanak Island	
SBY	Sand Bay	
SCRK	Sand Creek	
SGB	San Diego Bay	
SDN	Sand Point	
SDPT	Sand Point	
SASA	Sand Point	
SPBA	Sand Point BB	
SML	Sawmill	
SCT	Scotty Lake	
XLV	Seldovia	
SLV	Seldovia	
CEAP	Semis' Anvil Peak	
CERB	Semis' Cerberus	
SSI	Semisopochnoi Island	
CEPE	Semis' Perret Rge	
CERAA	Semis' Rag'd Top	
CESW	Semis' Southwest	
CETU	Semis' Tuman	
SEW	Seward	
SCF	Sheep Creek Facility	
SCM	Sheep Creek Mountain	
SQ-IS	Shemya	
SHY	Shemya	
SMY	Shemya	
SGAM	Sherman Glacier	
SSBA	Shishaldin	
SSLN	Shishaldin North	
SSLS	Shishaldin South	
SSLW	Shishaldin West	
SYI	Shuyak Island	
SHU	Shuyak Island	
RDS	Siegrist	
SIT	Sitka	
SKD	Sitkalidak Island	
SII	Sitkinak Island	
SKAG	Skagway	
SKGA	Skagway School	
SKL	Skilak	
SLKM	Skilak Lake	
SKT	Skwentna	
SDG	Sourdough	
AD6	South Kanaga	
AK2	South Tanaga	
AT2	South Tanaga	AK2
SVW2	Sparrevohn	
SVW	Sparrevohn	
SPL	Spiridon Lake	
SPBG	Spurr Blockage Glacier	
SPCG	Spurr Capps Glacier	
SPCR	Spurr Chakachatna River	
SPNW	Spurr Northwest	
SPWE	Spurr West	
SQF	Squaw Harbor	
SGA	Stephens Glacier	
STY	Stony River	
STLK	Strandline Lake	
SUK	Suckling Hill	
SUCK	Suckling Hills	
SSH	Sunshine	
SNH	Sunshine Point	
SBEA	Susan B. English School	
SST	Susitna	
SUA	Susitna One	
TABL	Table Mountain	
TLK	Talkeetna Mountains	
TACS	Tanaga Cape Sajaka	
TAFP	Tanaga Falls Point	
TAFL	Tanaga Flats	
TANO	Tanaga North	
TAPA	Tanaga Point Aries	
TASE	Tanaga Southeast	
TGL	Tana Glacier	
TNN	Tanana	
PS10	TAPS Pump St10	
PS11	TAPS Pump St11	
PS12	TAPS Pump St12	
PS01	TAPS Pump Stn	
PS04	TAPS Pump Stn4	
PS05	TAPS Pump Stn5	
PS06	TAPS Pump Stn6	
PS07	TAPS Pump Stn7	
PS08	TAPS Pump Stn8	
PS09	TAPS Pump Stn9	
VMT	TAPS Tl Valdez	
TT01	Tatalina	
TTA	Tatalina	
TTL	Tatalina	
TZL	Tazlina	
TTV	Teren Tiev Lake	
TRF	Thorofare Mountain	
TNA	Tin City	
TCY	Tin City	
TMW	Tok Microwave	
TOA	Tolsona	
TKK	Topkok	
TRAP	Trapper Creek	
THY	Trims Highway	
TSIM	Tsina	
WTUG	Tugumak	
UGI	Ugak Island	
USL	Ugashik Lake	
UKL	Ugashik Lake	
AD2	Umak	
UNL	Unalakleet	
UNA	Unalaska	
UNV	Unalaska Valley	
VLZ	Valdez	
VLD	Valdez	
VZS	Valdez South	
VZW	Valdez West	
BPBCA	Veniaminof	
VNHG	Veniaminof 1	
VNFG	Veniaminof 2	
VNNF	Veniaminof 3	
VNKR	Veniaminof 5	
VNSG	Veniaminof 6	
VNSW	Veniaminof 7	
VNSS	Veniaminof 8	
VNWF	Veniaminof 8	
VRDI	Verde Repeater	
VOGL	Vogel Lake	
WAX	Waxell Ridge	
WESE	West Dahl East	
WESN	West Dahl North	
WESS	West Dahl South	
AK1	West Kanaga	
AT1	West Kanaga	AK1
WRG	White River Glacier	
WLM	Willow Mountain	
WRH	Wood River Hill	
WACK	Wrangell Chichokna Glacier	
WRAK	Wrangell Island	
WAZA	Wrangell Mount Zanetti	
WANC	Wrangell North Crater	
WASW	Wrangell Southwest	
YAH	Yahtse	
AD5	Yakak	
YKGM	Yakataga	
YKU2	Yakutat	
YKT	Yakutat	
YKU	Yakutat	
YCB	Yellow Creek Bluff	
BC3*		BCA3
BC03		BCA3
BM03		BM3
AL35		AL5
IL31		ILB
IL01		IL1
AL34		FBAL
IM03		IM3
Arizona		
AJAR	Ajai Ranch	
GVA	Apache Junction	
ASU	Arizona State University	
119A	Ashpeak Ranch, Duncan	
318A	Bisbee	
114A	Black Gap (USAF), Gila Bend	
BPK	Black Peak	
BRDG	Blue Ridge	
V14A	Boquillas Ranch, Navajo N., Peach Springs	
BDA	Boulder Dam	
Y18A	Canyon Day Junior High, Whiteriver	
Y15A	Casa Rosa Ranch, Morristown	
CCAZ	Cataract Creek	
Y16A	Circle Bar Ranch, Sunflower	
U19A	Dine' College, Tsaile	
319A	Douglas	
218A	Dragoon	
EKU	East Kanab	
116A	Eloy	
FLAG	Flagstaff	
W16A	Flagstaff	
FLG	Flagstaff	
FS-	Flagstaff	FS-AZ
FS-AZ	Flagstaff	
X17A	Forest Lakes	

Code	Station Name	Other
FTM	Fortuna Mine	
V18A	Ganado	
Z18A	Geronimo	
Z15A	Gila River Indian Community, Laveen	
GCA	Glen Canyon	
T16A	Glen Canyon Dam (NPS), Page	
GE-	Globe	GE-AZ
GE-AZ	Globe	
GCAZ	Grand Canyon	
V13A	Grand Canyon West Ranch, Meadview	
217A	Green Valley	
HR-	Heber	HR-AZ
HR-AZ	Heber	
118A	Homack Ranch, Wilcox	
W13A	Hualapai Mountain Park, Kingman	
X15A	Humboldt	
HTCH	Hutch Mountain	
JR-AZ	Jerome	
JR-	Jerome	JR-AZ
V15A	Kaibab National Forest USFS, William	
KG-	Kingman	KG-AZ
KG-AS	Kingman	
KG-AZ	Kingman	
KH-	Kohls Ranch	KH-AZ
KH-AZ	Kohls Ranch	
LGA	Laguna Mountains	
X16A	Lo Mia Camp, Pine	
LG-	Long Valley	LG-AZ
LG-AZ	Long Valley	
113A	Mohawk Valley, Roll	
MONP	Monument Peak	
MTLAZ	Mount Logan	
U14A	Mt Trumbull	
MMA	Mummy Mountain	
T17A	Navajo Res., Navajo Mountain	
NL-AZ	Nazlini	
NL2AZ	Nazlini	
NL-	Nazlini	NL-AZ
NL2	Nazlini	
U15A	North Rim	
Y19A	Nutrioso	
117A	Oracle	
214A	Organ Pipe National Monument, Ajo	
PGAZ	Page	
U13A	Pakoon Wash	
S15A	Panguitch	
PDMCI	Parker Dam,Lake Havasu City	
PY-	Payson	PY-AZ
PY-AZ	Payson	
Z16A	Peralta Trail, Apache Junction	
W18A	Petrified Forest	
PFA	Pierce Ferry	
QC-	Queen Creek	
Y17A	Roosevelt	
U18A	Rough Rock, Chinle	
SGI03	Saint George Infrasonic Array Site 3	
Y13A	Salome	
Z17A	San Carlos High School, San Carlos	
W19A	Sanders	
SLU	San Luis	
W14A	Seligman	
SG-	Seligman	SG-AZ
SG-AZ	Seligman	
U17A	Shonto	
SF-AZ	Snowflake	
X18A	Snowflake	
SF-	Snowflake	SF-AZ
115A	Sonoran Desert, Stanfield	
SV-	Springerville	SV-AZ
SV-AZ	Springerville	
X19A	St. Johns	
SN-	Sunflower	SN-AZ
SN-AZ	Sunflower	
SCN	Sunset Crater	
216A	Three Points, Tucson	
Z19A	T-Link Ranch, Clifton	
V17A	Tonalea, Kykotsmovi	
TFO	Tonto Forest Array	
THO	Tonto Hills Observatory	
TSL	Tsaile	
U16A	Tuba City	
TUC	Tucson	
TDM	Tucson Desert	
TUO	Tucson Observatory	
TUT	Tucson--Telemeter	
UOA	University of Arizona	
219A	White Tail Canyon, San Simon	
Y14A	Wickenburg	
W15A	Williams	
WM-	Williams	WM-AZ
WM-AZ	Williams	
WMZ	Williams	
V19A	Window Rock	
WO-	Winslow	WO-AZ
W17A	Winslow	
WO-AZ	Winslow	
Z14A	Wintersburg	
WUAZ	Wupatki	
X14A	Yava	
X13A	Yucca	
112A	Yuma	
YMD	Yuma Desert	
Z13A	Yuma Proving Gounds (US Army), Dateland	
Arkansas		
AFAR	Ash Flat	
BK-	Bald Knob	BK-AR
BK-AR	Bald Knob	
CCAR	Cane Creek	
CW-	Conway	CW-AR
CW-AR	Conway	
CRID	Crittenden County--Downhole	
CRIS	Crittenden County--Surface	
DLAR	Dell	
FAY	Fayetteville	
FAV	Fayetteville	
X102	Greenbrier Site X102	
X201	Greenbrier Site X201	
X301	Greenbrier Site X301	
HBAR	Harrisburg	
HCI	Hatchie Coon Island	
HHAR	Hobbs	
HOGG	Hoggard's Bluff	
IK-	Ink	IK-AR
IK-AR	Ink	
JHP	Judd Hill Plantation	
LGAR	La Grange	
LCAR	Lake Charles	
LVAR	Leachville	
LRA	Little Rock	
LRDO	Lorado	
MSAR	Manila South	
MK-AR	Marked Tree	
MK-	Marked Tree	MK-AR
MY-AR	McCrory	
MY-	McCrory	MY-AR
MCAR	Mid-South CC	
MP-AR	Mountain Pine	
MP-	Mountain Pine	MP-AR
MZ-AR	Mount Ida	
MIAR	Mount Ida	
MZ-	Mount Ida	MZ-AR
OLY	Olyphant	
FCAR	Ozark Folk Center	
PGA	Paragould	
PV-	Perryville	PV-AR
PV-AR	Perryville	
POW	Powhatan	
QUAR	Qualls	
SEAR	Searcy	
STAR	Star City	
TWAR	Twist	
UALR	University of Arkansas, Little Rock	
WGAR	Walnut Grove	
WR-	Walnut Ridge	WR-AR
WR-AR	Walnut Ridge	
WLAR	White Oak Lake	
WLA	Wittsburg Lake	
WHAR	Wooly Hollow	
WY-	Wynne	WY-AR
WY-AR	Wynne	
California		
TN-	29 Palms	TN-CL
O03C	Acorn Hollow, Los Molinos	
PADM	Adeladia	
ADL	Adelanto	
ADO	Adelanto Receiving Station	
GACM	Adobe Creek	
AVC	Adobe Valley	
AGAC	Agave Hill	
AGOC	Agoura	
AARM	Airport Road	
PAPM	Alder Peak	
GAS	Alder Springs	
GASB	Alder Springs Broadband	
ARDC	Alexander Ranch	
GAXM	Alexander Valley	
AMC	Almaden	
JALM	Almaden	AMC
WASM	Alta Sierra Campground	
ALV	Alvord Mountain	
AMR	Amargosa	
AMS	Amos	
AIC	Anacapa Island	
BAPM	Anderson Peak	
CADM	Anderson Res.	ADR
ADR	Anderson Reservoir	
AGC	Angel Island	
CAIM	Angel Island	AGC
LT13	Angel Island	AGC
ALPC	Antelope	
PAGB	Antelope Grade	
PAGM	Antelope Grade	
LAMM	Antelope Mountain	
ANTCA	Antelope Range	
BAVM	Antelope Valley	
PARM	Anticline Ridge	
CACM	Antioch	
AN9*	Anzar Reservoir 9	
ANZ	Anzar Road	
HAZM	Anzar Road	ANZ
GARM	Arbuckle	
ARC	Arcata	
LASM	Arnica Sink	
ARN	Arnold Ranch	
CAOM	Arnold Ranch	ARN
AASM	Arroyo Seco	
ARVC	Arvin	
ADC	Auburn Dam	
BACC	Bachelor Mtn.	
BKRC	Baker	
BF-CL	Bakersfield	
BF-	Bakersfield	BF-CL
BALC	Balcom Canyon	
CBLG	Bald Mountain Lookout	
GBMM	Baldy Mountain	
BREC	Barre Substation	
BAR	Barrett	
KBRM	Barry Ridge	
PBRM	Bassetti Ranch	
LBMM	Bass Mountain	
BATC	Bat Cave Butte	
BBEB	Bay Bridge East	
E17B	Bay Bridge East Pier 17	
E07B	Bay Bridge East Pier 7	
W02B	Bay Bridge West Pier 2	
W05B	Bay Bridge West Pier 5	
KBBM	Bear Butte	
BCCC	Bear Creek Country Club, Murrieta	
LT15	Bear Creek Road	
JBCM	Bear Creek Road	LT15
BGH	Bear Gulch	
JBGM	Bear Gulch	BGH
BMTC	Bear Mountain	
BVL	Bear Valley	
BVLM	Bear Valley	BVL
BVC	Bear Valley Observatory	NOLM
BBSC	Beaumont Base	
BEKR	Beckworth	
NBRM	Beebe Ranch	BBR
BBR	Beebe Ranch	
LBPM	Beegum Peak	
BELC	Belle Mtn. Joshua Tree, Twentynine Palms	
KBSM	Bell Springs	
BNLO	Ben Lomond (Santa Cruz Mountains)	
BENR	Benton	
BKS	Berkeley--Byerly	
BRK	Berkeley--Haviland	
NBPM	Berryessa Peak	
BRTC	Bertell Ranch	
BVH	Beverly Hills	
N02C	Big Bar	
BBC	Big Bear	
BBRC	Big Bear Solar Observatory, Big Bear Lake	
BC3	Big Chuckawalla Mtns, Desert Center	
BC2	Big Chuckwalla Mountains 2	
GBDM	Big Darby	
LBGM	Big Gulch	
R04C	Big Horse Ranch, Ione	
BMM	Big Maria Mountains	
BBGM	Big Mountain	
BCKR	Birch Creek	
WBSM	Bird Springs	
BHPR	Bishop	
BP-	Bishop	BP-CL
BP-CL	Bishop	
BCW	Bitter Crk WRge	
BTW	Bitterwater Creek	
PBWM	Bitterwater Creek	BTW
BLCC	Black Canyon	
BCHM	Black Canyon North	
BDM	Black Diamond Mines Park, Antioch	
LBFM	Black Fox Mountain	
BMRR	Black Mountain	
JBMM	Black Mountain	
BLDC	Black Mountain	
BLKC	Black Mountain	
GBOM	Black Oak	
BLAC	Blackrock camp	
MBFM	Blanchard Fire Station	
OBHM	Bloomer Hill	
KBNM	Bluenose Ridge	
BLU	Blue Ridge	
Y12C	Blythe	
BLYC	Blythe	
ABJM	Bob Jauregui Ranch	
BODR	Bodie	
GBGM	Boggs Mountain	
BGC	Bolinger Road	
LT16	Bolinger Road	BGC
CBRM	Bolinger Road	BGC
LBKM	Bonanza King	
BON	Bonds Corner	
BRGC	Borrego Mountain	
BORC	Borrego Springs	
V05C	Boulder Hill, Kettleman City	
BCH	Branch Mountain	
WBMM	Breckenridge Mountain	
BRIB	Briones	
SBRN	Brisbane	
BSCP	Brocks Farm	
CBWM	Brookwood Res.	BKC
BKC	Brookwood Reservoir	
ABRM	Brophy Road	
BTCC	Brunts Corner	
PBYM	Bryson	
CBZL	Buffer Zone	
BTPC	Burnt Peak	
BTL	Butler Peak	
LBCM	Butte Creek Rim	
JBZM	Buzzard Lagoon Road	
BZNA	Buzz No.'s Place	
CBSM	Byron Hot Springs	
CTCC	Cactus City	
WCFM	Cactus Flat W	CFWM
CFWM	Cactus Flat West	
WCPM	Cactus Peak W	CPTM
CPTM	Cactus Peak West	
CAD	Cady Mountains	
JCHM	Cahill Ridge	
KCPM	Cahto Peak	
CAHC	Cahuilla Valley	
CALB	Calabasas	
CALM	Calaveras Res.	CVR
CVR	Calaveras Reservoir	
CLTC	Calectric	
CB2	Calero Reservoir	
CCAC	Calif City Airpt	
CALC	California City	
CSH	California State, Hayward	
CLIC	Calipatria	
CLS	Calistoga	
M02C	Callahan	
CPPC	Cal Poly Pomona	
BAKC	Calstate	
CSHM	Cal. St., Hayward	CSH
CBCC	Caltech Broad	
CACC	Caltech Cellar	
GSA	Caltech--GSA	
CRPC	Caltech Rob'n Pit	
CAMC	Camarillo Hills	
PCBM	Cambria	
JBLM	Camp Ben Lomond	
CPE	Camp Elliot	
109C	Camp Elliot, Miramar	
CP-CL	Campo	
CP-	Campo	CP-CL
CPT	Camp Pendleton	
KSXM	Camp Six	
KSXB	Camp Six Broadband	
HCAM	Canada Road	CDC
CDC	Canada Road	
AN7*	Canada Road	CDC
CBKC	Canebrake	
NCFM	Canfield Road	
KCTM	Capetown	
CAPCA	Capra Ranch	
CVS	Carmenet Vineyard	
CRQB	Carquinez Bridge	
CARC	Carrizo Plain	
CRR	Carrizo Plain	
CRH	Carson Hill	
MCHM	Carson Hill	CRH
CRY	Cary Ranch	
DBOG	Casa Diablo	
MCSM	Casa Diablo Hot Springs	
CASR	Casa Diablo Mountain	
CJV	Casa Juvan	
BCD	Casitas Dam	
BCL	Casitas Lake	
LCAM	Castella	
CTM	Castle Mountain	
PCAM	Castle Mt.	CTM
CRC	Castle Rock	
GCRM	Castle Rock Springs	
CTD	Catalina Dam	
CIAC	Catalina I. Airport	
CIS	Catalina Island	
CIU	Catalina Island	
NCDM	Cavedale Road	CRD
CRD	Cavedale Road	
CAVC	Cave Mountain	
CSP	Cedar Springs	
CED	Cedar Springs	
CFSC	Central Fire St	
MCEM	Central Site	
PCGM	Cerro Alto Campground	
CGO	Cerro Gordo	
KCRM	Chalk Rock	
HCBM	Chamberlain	CBC
CBC	Chamberlain	
GCBM	Chamberlain Ridge	
AN6*	Chase Ranch	CSR
HCRM	Chase Ranch	CSR
CSR	Chase Ranch	
CMH	Chemehuevi Mountains	
JCBM	Chesbro Res.	CBO
CB1	Chesbro Res. 1	ADR
CB3	Chesbro Res. 3	COE
CB4	Chesbro Res. 4	ARN
CB5	Chesbro Res. 5	SVC
CB6	Chesbro Res. 6	CVR
CB8	Chesbro Res. 8	
CBO	Chesbro Reservoir	
O04C	Chester	
BCWM	Chews Ridge	
CCO	Chico	
CFL	Chilao Flats	
CHFC	Chilao Flat Sta	
WCHM	Chimney Peak	
WCGM	China Gardens	CGSM
CGSM	China Gardens South	
GPO	China Lake	
CLC	China Lake	
WCXM	China Lake Receiver Site	
CHNC	Chino	
CH2	Chocolate Mountain	
COT	Chocolate Mountains	
CCRB	Cholame Creek	
CVC	Cholame Valley	
CCCA	Chr Cany lake	
XMS	Christmas Canyon	
CHP	Chuchupate	
CCX	Cicese	
AN14*	Cienega Rd	BCGM
BCGM	Cienega Road	
GCK	Clark Valley	
GCVM	Cloverdale	
COA	Coachella	
GCMM	Cobb Mountain	
COE	Coe Ranch	
CCOM	Coe Ranch	COE
CCOB	Coe Ranch Number 3	
OCHM	Cohasset Ridge	
LCMM	Colby Mountain	
GCSM	Cold Spring Mountain	
KCSM	Cold Springs	
CWCR	Coldwater Canyon	
R06C	Coleville	
LCSM	College of the Siskiyous	
BCC	Colson Canyon	
SCCM	Colson Canyon	
CMB	Columbia College	
COOC	Compton	
CNC	Concord--Diablo Valley College	
CKC	Cook Canyon	
WCOM	Cook Peak	
COK	Cook Ranch	
CPM	Copper Mountain	
MCUM	Copperopolis	
HCZM	Cordoza Dairy	
HCOM	Corn Cob Canyon	
CRNC	Corona	
COQ	Corona Quarry	
CSTL	Corral Hollow	
CBHM	Coso Basin North	
WCSM	Coso Springs S	CSSM
CSSM	Coso Springs South	
CWC	Cottonwood Creek	
CTW	Cottonwood Mountains	
GCWM	Cow Mountain	
CO2	Coxcomb Mountains 2	
CYD1	Coyote D'meter	
CYH	Coyote Hills	
CCYM	Coyote Hills	
LT8	Coyote Hills	CYH
COY	Coyote Mountain	
JCPM	Coyote Point	
CFT	Crafton Hills	
PCCM	Crazy Canyon	
M01C	Crescent City	
LCFM	Crescent Cliff	
CSL	Crestline	
HCPM	Crevison Peak	
CRGC	Crocker Grade	
CCNM	Crow Canyon Rd	CYC
CYC	Crow Canyon Road	
CLKR	Crowley Lake	
PCRM	Curry Mountain	
DLT	Dalton	
CDAL	Dalton Road	
DANC	Danby, Needles	
DAC	Darwin (Calif)	
DPD	Davis Peak	
DV-CL	Death Valley	
DV-	Death Valley	DV-CL
DSP	Deep Springs	
DLAC	Del Amo	
CDVM	Del Valle	
CL1	Del Valle	CDVM
DHS	Desert Hot Springs	
DREC	Desert Rsrch Ctr	
DSCC	Desert Studies Ctr	
DTP	Desert Tortoise Park	
DVTC	Desert V Tower	

Code	*Station Name*	*Other*
DEVC	Devers	
DVL	Devil Canyon	
DKNM	Devils Kitchen North	
DCD	Diablo Creek	
DIR	Diamond Ranch	
LDBM	Digger Butte	
AN5*	Dillon Ranch	DIL
HDLM	Dillon Ranch	DIL
DIL	Dillon Ranch	
PDRM	Domengine Ranch	
DGR	Domenigoni Valley Reservoir	
DJJ	Donna J Jenkins	
DONR	Donner Summit	
CDSM	Don Santos Ranch	
CDOM	Doolan Road	DOO
DOO	Doolan Road	
DPP	Dos Picos Cty Pk	
P01C	Double 8 Ranch, Willits	
DB2	Double Butte	
DBM	Double Mountain	
DHB	Downhole Baldwin Hills	
GDCM	Dry Creek	
ADWM	Drytown Water District	
DUC	Duarte Ranch	
DTEM	Dunmovintown East	
NDHM	Dunnigan Hills	
DNR	Dunn Ranch,Anza	
CDUM	Durate Ranch	DUC
EADB	Eade Ranch	
T05C	Eagle Field, Dos Palos	
ELFS	Eagle Lake Field Station, Susanville	
EAG	Eagle Mountain	
MEMM	East Mammoth Hills	
EMSC	East Mesa	
EWC	East Wide Canyon	
EBP	Ebbets Pass	
ECF	Echo Falls	
RRX	Edison Barstow Service Cntr	
EDW	Edwards Air Force Base,Rosamund	
EDW2	Edwards Air Force Base,Rosamund	
O01C	Eel River Conservation Camp, Redway	
ECA	El Cajon	
ECC	El Centro	
JEGM	El Granada	
BEHM	Elkhorn Ranch	EKH
EKH	Elkhorn Ranch	
HERM	Elkhorn Road	
EKR	Elk River	
JELM	Ellicott	
ELMC	El Mirage	
EL2	El Mirage 2	
EML	El Monte Cty Pk	
ERRC	Elmore Ranch	
ELRC	Elmore Ranch	
ESGS	El Segundo	
ELS	Elsinore Mountain	
TEJ	El Tejon	
EMB	Emerald Bay	
EFD	Emergency Operations Facility	
BEMM	Emmet	EMT
EMT	Emmet	
LT11	Empire Grade Rd	EGR
EGR	Empire Grade Road	
ERPC	Ernies Place	
EUC	Eureka Canyon	
LT12	Eureka Canyon	EUC
JECM	Eureka Canyon	EUC
JECB	Eureka Canyon	
EW2	E Wide Canyon 2	
EXSG	Experiment Station	
FAL	Falling Springs	
FARB	Farallon Islands	
NFIM	Farallon Islands	
FRGC	Fargo Canyon	
KFPM	Farley Peak	
FEA	Feather Falls	
FER	Ferndale	
FHC	Fickle Hill	
AFRM	Fiddyment Ranch	
FIGC	Figueroa Mtn.	
FIL	Fillmore	
FLSC	Flash Two Peak	
HFHM	Flint Hills	
FON	Fontana	
FRD	Ford Ranch	
AFDM	Forest Hills Divide	
AFHM	Forest Hill Site	
AN2*	Forsythe	
FMA	Fort MacArthur	
FMP	Fort Macarthur Park	
FTR	Fort Ross	
FTC	Fort Tejon	
FOXC	Fox Airport	
FOX	Fox Creek	
FRP	Fremont Peak	
HFPM	Fremont Peak	FRP
FRE	Fresno	
FRI	Friant	
FRK	Frink	
FROB	Froelich Ranch	
FULC	Fullerton	
FLAS	Fullerton Airport	
FMT	Funeral Mountains	
GFC	Funks Creek	
FURC	Furnace Creek,Death Valley	
GALC	Galileo	
LGMM	Garner Mountain	
GVDA	Garner Valley	
GVRC	Garvey Reservoir	
CGPM	Gavin Park	
GGPM	Geyser Peak	
GDXM	Geysers	
GHS	Gilroy Hot Springs	
HGSM	Gilroy Springs	GHS
HGWM	Gilroy West	
GLA	Glamis	
GAV	Glen Avon	
GGLM	Glenview	
GATR	Gnd/Air Tx Cntr	
GTM	Goat Mountain	
GHC	Gold Hill	
GHIB	Gold Hill	
PGHM	Gold Hill	GHC
PK1	Gold Hill	GHC
AGIM	Gold Rush Inn	
GSC	Goldstone	
PGWM	Grace West	
GCC	Granite Creek	
GMRC	Granite Mountains Res. Center	
GRP	Granite Pass	
LGPM	Granite Peak	
GVN	Grapevine	
GRAC	Grapevine Ranger Station, Death Valley	
LGBM	Gray Butte	
GORC	Green Oak Ranch	
GVR	Green Valley Road	
DECC	Green Verdugo site,Sunland	
GWV	Greenwater Valley	
GWY	Greenwater Valley	
LGRM	Grenada	
GR2C	Griffith Obs. 2	
GOC	Griffith Observatory	
GFP	Griffith Park	
LGHM	Grouse Hill	
KGMM	Grouse Mountain	
GGUM	Gualala	
AHDM	Hacienda Drive	
HAI	Haiwee	
HWSM	Haiwee Spring South	
WHSM	Haiwe Spring S	HWSM
GHOM	Hamilton Opening	
HMR	Hamilton Ranch	
WHFM	Hanning Flat	
HWB	Hans Werner Braun Residence, San Diego	
PHAM	Harlan Ranch	
AHRM	Harold F. Ross	
HRC	Harris Ranch	
HAST	Hastings Reserve	
BHSM	Hastings State Park	
LHCM	Hat Creek	
HATC	Hat Creek Radio Observatory, Hat Creek	
HAV	Havilah	
WHVM	Havilah	
HAY	Hayfield	
KHBM	Hayfork Bally	
HYS	Haystack Butte	
NHBM	Healdsburg	
PHCM	Hearst Castle	
HEC	Hector,Ludlow	
HMTC	Hemet	
HERB	Hercules	
LHEM	Herd Peak	
U04C	Hernandez Reservoir, Idria	
HVC	Hernandez Valley	
PHRM	Hernandez Valley	HVC
HDB	Hidalgo Marine Base	
HDG	Hidalgo Mountain	
LHHM	High Hole Crater	
HLNC	Highland	
GHLM	Highland Springs	
GHVM	High Valley	
HTCR	Hilton Creek	
LHMM	Hirz Mountain	
LHOM	Hoadley Peaks	
HBM	Hobart Mills	
HBT	Hobart Mills	
HOD	Hodge	
BHRM	Hodges Ranch	
GHGM	Hogback Ridge	
PHGM	Hog Canyon	
HOLC	Holcomb Ridge	
JHLM	Holstrom Ranch	
HCC	Holy Cross	
OHCM	Honcut	
HOPS	Hopland	
KHMM	Horse Mountain	
HOT	Hot Springs Mountain	
GHCM	House Creek	
JHPM	Huddart Park	
GHMM	Hull Mountain	
V03C	Hunter Liggett MR Jolon	
PHBM	Huron Fishing Bridge	
IBP	Imperial Boulder Park	
IND	Independence	
PIVM	Indian Valley	
INDC	Indio Hills	
S04C	Ingram Canyon, Westley	
ING	Ingram Ranch	
IKP	Inkopah	
INS	Inspiration	
IRS	Iris	
IRC	Iron Canyon	
IR2C	Iron Canyon	
IRM	Iron Mountain Pumping Sta,Desert Center	
IRN	Iron Mountains	
KIPM	Iron Peak	
ISA	Isabella	
JCC	Jacoby Creek	
JAS	Jamestown	
JAS1	Jamestown	
JRSC	Jasper Ridge	
JCNB	Joaquin Canyon North	
JCSB	Joaquin Canyon South	
JJRM	Joaquin Road	
KJJM	Johnny Jack Ridge	
HJSM	John Smith Road	
AN15*	Johnson Can.	JHC
BJCM	Johnson Can.	JHC
JHC	Johnson Canyon	
WJPM	Johns Peak	
PJRM	Jolon Road	JOL
JOL	Jolon Road	
JFS	Joseph F. Staten	
JRWM	Joshua Ridge West	
JTR	Joshua Tree Park	
SNDA	J Saunders Place	
JULC	Julian	
JNH	Juniper Hills	
KCC	Kaiser Creek	
KPK	Kanaka Peak	
KEE	Keen Camp Maintenance Station	
KFC	Kentfield	
WKTM	Kern-Tulare	
KKPM	Kettenpom Peak	
PKEM	Kettleman Hills	
KYP	Key Point	
HKRM	Kincaid Ranch	
KRC	King Ranch	
R05C	Kirkwood Meadows Resort, Kirkwood	
KNO	Knox Ranch	
KBY	Kobayashi Ranch	
KM-CL	Kramer	
KM-	Kramer	KM-CL
KBF	Kyburz Flat	
LPC	La Cumbre Peak	
BLG	Laguna Peak	
LT5	La Honda	
LJC	La Jolla	
CLCM	Lake Chabot	LKC
LKC	Lake Chabot	
CLCB	Lake Chabot	
NLHM	Lake Herman	
LHU	Lake Hughes	
LGC	Lakewood Golf Course	
LANC	Lancaster	
LAC	Landers	
LDFC	Landfair	
LAQC	La Quinta	
LCH	Last Change Range	
ALAM	Latrobe	
LRCG	Laurel Creek	
JLAM	Laurel Hill	
JLAB	Laurel Hill	
LRMC	Laurel Mountain	
LAVA	Lava Cap Winery, Placerville	
LAVC	Lavic	
LED	Lead Mountain	
R07C	Lee Vining	
WLPM	Leibel Peak	
LEOC	Leona Valley	
BLRM	Lewis Ranch	
JLXM	Lexington Res.	LXR
LXR	Lexington Reservoir	
M06C	Likely Place Golf, Likely	
ALNM	Lincoln	
Q04C	Lincoln	
LOC	Lincoln School	
HLPM	Lions Peak	
LITR	Litchfield	
LCCB	Little Cholame Creek	
LTC	Little Chuckwalla Mountains	
WLHM	Little Horse	
LTM	Little Maria Mountains	
LMHM	Little Mount Hoffman	
BRVM	Little Rabbit V.	LRV
LRV	Little Rabbit Valley	
LRRC	Littlerock Reservoir	
LLA	Llanada	
LLAC	Llano	
LOK	Lockwood Valley	
JLPM	Loma Prieta	
LOMS	Lomita	
BLP	Lompoc	
LRC	Lone Oak Road	
PLOM	Lone Oak Road	LRC
LN9	Lone Pine	
LTR	Lone Tree Road	
HLTM	Lone Tree Road	LTR
M05C	Lookout	
LMCR	Lookout Mountain	
LMO	Lookout Mountain Observatory	
LMS	Lookout Mountain Observatory	
LNAS	Los Alamitos	
LCM	Los Angeles Museum of Natural History	
LSDC	Los Osos Digital	
JLTM	Los Trancos	LTW
JTRM	Los Trancos Road	
LTW	Los Trancos Woods	
LJB	Lovejoy Buttes	
LOY	Loyalton	
M04C	Macdoel	
MGL	Magalia	
KMRM	Mail Ridge	
MLAC	Mammoth Lakes Airport	
MMPM	Mammoth Pass	
MPMC	Manual Prospect Mine,Trona	
LMEM	Manzanita Entrance	
LMZM	Manzanita Lake	
MLC	Manzanita Lake	
MCA	Marble Canyon	
MCCM	Marconi Conference Center, Marshall	
MARC	Maricopa	
MHDL	Marin Headlands	
MAC	Mark West Springs	
NMWM	Mark W Springs	MAC
MIRC	Martinez Indian Reservation	
MPK	Martis Peak	
MV-CL	Marysville	
MV-	Marysville	MV-CL
PMRM	Maxey Ranch	
GMMM	Mayacamas Mountains	
M03C	McCloud	
MFSM	McCloud Flat S	MFS
MFS	McCloud Flat South	
HOME	McLaughlin Mine	
MNRC	McLaughlin Natural Reserve	
GMCM	McLaughlin Ranch	
PMCM	McMillan Canyon	
BMCM	McPhails Peak	
MECC	Mecca Hills	
LMDM	Medicine Lake	
MOB	Menlo Park	
LT7	Menlo Park	MOB
JMPM	Menlo Park	
S05C	Merced	
BMSM	Mercy Hot Springs	
MMNB	Middle Mountain	
NMTM	Middletown	
CMPM	Mikes Peak	
MGA	Milagra Ridge	
JMGM	Milagra Ridge	MGA
LMPM	Military Pass	
MILG	Mill City	
MLL	Mill Creek	
T06C	Millerton Lake Dam, Friant	
CMCM	Mills College	
MIN	Mineral	
CMRM	Mines Road	MNR
CL2	Mines Road	CMNM
CMNM	Mines Road	
MNR	Mines Road	
CB9	Mines Road	MNR
CMJM	Mission San Jose	MSJ
MSJ	Mission San Jose	
HELL	Mitchell Peak	
MMWM	Mi Wuk Village	
NMXM	Mix Canyon Road	MIX
MIX	Mix Canyon Road	
GMOM	Moffitt Ranch	
MRD	Mojave River Dam	
PMPM	Monarch Peak	MOP
MOP	Monarch Peak	
PMPB	Monarch Peak	
MCRR	Mono Craters	
ML4CL	Mono Lake	
ML2CL	Mono Lake	
ML1	Mono Lake	ML1CL
ML2	Mono Lake	ML2CL
ML3	Mono Lake	ML3CL
ML4	Mono Lake	ML4CL
ML1CL	Mono Lake	
ML3CL	Mono Lake	
MONR	Mono Valley	
MTB	Montebello Ridge	
HMOM	Monterey	MTR
MTR	Monterey	
MOBB	Monterey Bay OB	
MTC	Morgan Territory	
CMOM	Morgan Territory	MTC
LT17	Morgan Territory	MTC
CMOB	Morgan Territory	
MRVC	Morongo Valley	
ABL	Mount Abel	
BFSC	Mount Baldy Ranger Station	
MDA	Mount Davis	
MDC	Mount Diablo	
MHC	Mount Hamilton	
MHR	Mount Hamilton Road	
LHKM	Mount Harkness	
BMHM	Mount Harlan	
BJOM	Mount Johnson	
GMKM	Mount Konoctai	
LAS	Mount Lassen	
CMLM	Mount Lewis	
PMLM	Mount Lospe	
CMMM	Mount Mocho	
OLYC	Mount Olympus	
COSM	Mount Oso	
KMPM	Mount Pierce	
MPI	Mount Pinos, Frazier Park	
SHC	Mount Saint Helena	
NMHM	Mount Saint Helena	
SGL	Mount Signal	
NTPM	Mount Tamalpais	
JUMM	Mount Umunhum	
MWC	Mount Wilson	
CB10	Mt Hamilton Road	MHR
NHMM	Mt Hamilton Road	HMR
CMHM	Mt Hamilton Road	MHR
MURC	Murrieta	
GNAM	Navarro Ridge	
ND-	Needles	ND-CL
NEE	Needles	
ND-CL	Needles	
NEE2	Needles Airport, Needles	
JNAM	New Almaden Mine	
MNHM	New Hogan Reservoir	
NW2	New River	
CNIC	Niles Canyon	
NMC	Nine Mile Canyon	
WNMM	Nine Mile Canyon	NMC
NOP	Nopah Range	
CNCM	Norris Canyon Road	
HLLC	North Hollywood	
NOCG	North-of-Casa	
WOFM	Oak Flat	
OAT	Oat Mountain	
OBB	Obsidian Butte	
MOYM	O'Byrne Ferry	
OBS	Ocean Bottom Seismometer	
HORM	O'Connell Ranch	OCR
OCR	O'Connell Ranch	
OHLN	Ohlone	
OMM	Old Mammoth Mine	
OLC	Olema	NOLM
NOLM	Olema	
WORM	Onyx Ranch	
AOHM	Oregon House	
ORCC	Oricopia Mountain	
KOMM	Orleans Mountain	
ORV	Oroville	
OSI	Osito Adit	
AODM	Outingdale	
ORC	Owens River	
OXMT	Ox Mountain	
HPCM	Pacheco Lake	
PCL	Pacheco Lake	
AN4*	Pacheco Lake	PCL
HPLM	Pacheco Lake	PCL
PACP	Pacheco Peak	
PAM	Palermo	
PSP	Palm Springs	
PAC	Palo Alto--Branner	
PLM	Palomar	
LT18	Palomares Rd	PLC
PLC	Palomares Road	
CPLM	Palomares Road	
PVRC	Palos Verdes	
PVPS	Palos Verdes	
PVR	Palos Verdes	
PGE	Panamint Range	
PANV	Panamint Range	
PRS	Paraiso	
PKD1	Parkfield	
PKD	Parkfield	
PKF	Parkfield Array	
PPFM	Parkfield Array	PKF
PKH	Park Hill	
HPHM	Park Hill	PKH
PAS	Pasadena	
PASC	Pasadena Art Cn	
PPRM	Paso Robles	

Code	Station Name	Other
PWTG	Paul Wright Trailer	
O03D	Paynes Creek	
PPTM	Peach Tree Valley	PTV
PTV	Peach Tree Valley	
PKM	Peak Mountain	
AN8*	Peckham Road	PKC
HPRM	Peckham Road	PKC
PKC	Peckham Road	
PEC	Perris	
PRR	Perris	
PSD	Pescadero	
BPFM	Pfieffer Point	
PIC	Picacho Peak	
KPPM	Pickett Peak	
PCC	Pilarcitos Creek	
PLT	Pilot Knob	
PNC	Pine Canyon	
AN1*	Pine Canyon	PNC
BPCM	Pine Canyon	
GPMM	Pine Mountain	
PEM	Pine Mountain	
BPIM	Pinnacles	
CPIM	Pinole Ridge	
PNMC	Pinto Mountains	
PFO	Pinyon Flat Observatory	
TPFO	Pinyon Flat Observatory TA	
BPPM	Pinyon Peak	
PPK	Piper Mountain	
PIU	Piute Mountains	
PZC	Pizona Creek	
GFTM	Plant 15--Mercuryville	
CPNM	Pleasanton	
JPLM	Pleasant Valley	PEV
PEV	Pleasant Valley	
PLEC	Pleito Hills	
GAFM	Point Arena AFB	
PT2	Point Dume	
CPMM	Point Molate	
NPRM	Point Reyes	
PRC	Point Reyes	
PSUR	Point Sur Hydrophone	
POB	Polly Butte	
POM	Pomona	
PCF	Pomona	
BPRM	Ponciano Ridge	
LPDM	Pondosa	
APRM	Poppy Hill Road	
JPPM	Portola Park	LT3
LT3	Portola State Park	
BPOM	Post Ranch	
POTR	Potrero Hills, Fairfield	
CB7	Poverty Ridge	
JPRM	Presidio of San Francisco	
PRI	Priest	
PYR	Pyramid	
QAL	Quail Lake	
QSM	Queen of Sheba Mine	
AN13*	Quien Sabe	QSR
HQRH	Quien Sabe	QSR
QSR	Quien Sabe Ranch	
O05C	Quincy	
KRKM	Rackout Springs	
MRFM	Railroad Flat South	
RAMR	Ramage Ranch	
V04C	Ramage Ranch, Paso Robles	
LCL	Rancho Los Cerritos	
GRNM	Rancho Navarro	
RPV	Rancho Palos Verdes	
ORAM	Rattlesnake Point	
RAY	Raywood Flat	
RMNB	Reason Mountain	
RCH	Reche Mountain	
RCP2	Recreation Park	
RCTC	Rector, Farmersville	
O02C	Red Bluff	
LRDM	Redding Peak	
KRMM	Red Mountain	
KRMB	Red Mountain	
MRCM	Red Rock Canyon	
JRRM	Redwood Retreat	
WRCM	Renegade Can. W	RCWM
RCWM	Renegade Canyon West	
RYS	Reyes Peak	
ARWM	Richard P. Wilkes	
RFSB	Richmond Field	
RSRB	Richmond-San Rafael Bridge	
ARRM	Rickey Ranch	
RMR	Rimrock	
RVM	Rio Vista Mine	
RVR	Riverside	
RSBC	Riverside Borehole	
RVS	Riverside Mountains	
PRCM	Roach Canyon	
ARJM	Robert W. Jensen	
JRGM	Rodeo Gulch Road	
KRPM	Rodgers	
ROD	Rodman Mountain	
BRMM	Rolling Bench Mark	
RSE	Rose Pump	
RVCM	Rose Valley Central	
WRVM	Rose V. Central	RVCM
CRHM	Round Hill Res.	
GROM	Round Mountain	
RMT	Round Mountain	
GRMM	Round Mountain	
RDM	Round Mountain	
GRTM	Round Top Mountain	
CRPB	Russellman Park	
CRPM	Russellman Park	
RUN	Ruthven	
SBB	Saddle Back Butte	
SBKC	Saddleback Mountain	
SADC	Saddle Peak	
HSFM	Saint Francis Retreat	
NSHM	Saint Helena Road	
SJH	Saint Joseph Seminary	
JJOM	Saint Joseph's Hill	
SMCB	Saint Mary's College	
SVIN	Saint Vincent's CYO School for Boys, San Rafael	
AN12*	Salinas Radio	SRC
SRC	Salinas Radio Site	
BSRM	Salinas Radio Site	
SDLC	Saltdale	
SLTC	Salton Sea Test Base	
SWSC	Sam W. Stewart	
SAC	San Andreas	
JSAM	San Andreas	SAC
SAO	San Andreas Geological Observatory	
JSLM	San Andreas Lake	
LT9	San Andreas Lake	
PANM	San Antonio Reservoir	
PSAM	San Ardo	
BBNM	San Benito	SBT
SBT	San Benito	
SBVC	San Bernardino Valley	
JSBM	San Bruno Mountain	
SCI	San Clemente Island	
SNDC	Sand Canyon	
CSAM	Sandia	
SND	San Diego	
SDC	San Diego	
SDRC	San Diego Road Dept, El Cajon	
SFL	San Felipe	
HFEM	San Felipe	SFL
SFC	San Francisco	
SFB	San Francisco	
SFM	San Francisco	
S06C	San Francisco Camp Mather, Mather	
SFR	San Francisco--Rincon	
SJQ	San Joaquin Reservoir	
HBTM	San Juan Bautista	
HJGM	San Juan Grade	
AN3*	San Juan Grade	HJGM
CSLM	San Leandro Hills	
SLD	San Luis Dam	
HSLM	San Luis Dam	
BSM	San Miguel Island	
SNC	San Nicolas Island	
BSN	San Nicolas Island	
SNCC	San Nicolas Island	
SNS	San Onofre	
ZSP	San Pablo Dam	
CSPM	San Pablo Ridge	
SPH	San Pedro Hill	
CRAM	San Ramon	
SS2	San Sevaine	
SBC	Santa Barbara	
SBI	Santa Barbara Island	
CIW	Santa Catalina Island West	
STCC	Santa Clara	
SCL	Santa Clara	
SCCB	Santa Clara County Offices	
SCC	Santa Cruz	
SCZ	Santa Cruz	
BSC	Santa Cruz Island	
PMGM	Santa Margarita	
SME	Santa Rosa Mine	
SMO	Santa Rosa Mountain	
JSTM	Santa Teresa Hills	
SYP	Santa Ynez Peak	
SYS	San Ysidro	
SGC	Saratoga Golf Course	
SWM	Sawmill	
JSMM	Sawmill Road	
SNR	Schaffner Ranch	
PSRM	Scobie Ranch	
STTC	Scott Ranch	
SNT	Sears Point	
PSEM	See Canyon	
GSGM	Seigler Mountain	
SVD	Seven Oaks Dam	
PSHM	Shandon	
SHS	Shasta Dam	
HSPM	Sheep	
SHH	Sheep Hole Mountains	
SWNG	Sheriff Wilson	
KSPM	Sherwood Peak	
SPM	Ship Mountains	
SHG	Shirttail Gulch	
BSGM	Shirttail Gulch	SHG
WSCM	Short Canyon	
SHOC	Shoshone	
SDW	Sidewinder Mine	
BSLM	Silva Ranch	
SVC	Silver Creek	
CSCM	Silver Creek	SVC
SIL	Silver Peak	
SI2	Simi Peak	
SMMC	Simmler	
SKG	Skaggs Springs	
GSSM	Skaggs Springs	SKG
ASMM	Slate Mountain	
KSMM	Slide Mountain	
ASRM	Slough House Road	
PSMM	Smith Mountain	
SRTC	Snort	
GSNM	Snow Mountain	
GSMM	Socrates Mine	
SOS	Soda Springs	
JSSM	Soda Springs	SOS
SLBC	Solana Beach	
BSMM	Soledad Mission	
BOOC	South Base Booster	
SGV	South Grapevine Mountains	
LSLM	South Lassen	
WSHM	Spangler Hills	
TIT	Squaw Tit	
LT4	Stanford	SFT
JSFM	Stanford	SFT
STAN	Stanford	
SFT	Stanford Telescope	
MSTM	Stent	
STP	Stepladder Mountains	
LT1	Stevens Creek	SEC
JSCM	Stevens Creek	SEC
SEC	Stevens Creek	
OSTM	Stimpson Lane	
LT2	St Joseph	SJH
JSJM	St Joseph	SJH
PSTM	Stockdale Mountain	
SMNB	Stockdale Mountain	
BSCM	Stone Canyon	
SCYB	Stone Canyon	
STC	Stone Canyon Observatory	
SCY	Stone Canyon Reservoir	
CSVM	Stone Valley	
SDP	Sudden Peak, Lompoc	
SMWM	Sugarloaf Mountain West	
CSU1	Sunol Dilatometer	
SSK	Sunset Peak	
SUP	Superstition Mountain	
SMTC	Superstition Mountain	
SUTB	Sutter Butte	
OSUM	Sutter Buttes	
BSBM	Swanson's Bluff	
OTBM	Table Mountain	
TMC	Table Mountain	
TF-	Taft	TF-CL
TF-CL	Taft	
PTAM	Tassajara Creek	
CTAM	Taylor	
NTYM	Taylor	
CTFL	Taylor Farm	
NTMM	Taylor Mountain	
PTYM	Taylor Ranch	TRC
PK3	Taylor Ranch	TRC
TRC	Taylor Ranch	
THC	Tehachapi Microwave	
TJR	Tejon Ranch	
TMB	Temblor Range Southeast	
CTHM	Terry Harris R'ch	
CTLM	Tesla Road	
KTRM	Thompson Ridge	
SATS	Thornton Park	
GTC	Three Chop Ridge	
THRC	Three Sisters	
LTIM	Timbered Crater	
TIN	Tinemaha	
TNK	Tinkers Knob	
TMO	Tin Mountain	
NTBM	Tomales Bay	
TOW	Tower One	
TPRS	Tripped Ranch	
TPO	Tropico Hills	
GTSM	Trough Springs	
JTGM	Trout Gulch Road	
MTUM	Tungsten Hills	
TCC	Turnbull Canyon	
TUQ	Turquoise Mountain, Baker	
TTM	Turtle Mountains	
LTCM	Tuscan Springs	
TN-CL	Twentynine Palms	
TPC	Twentynine Palms	
TWL	Twin Lakes	
TWN	Twin Peaks	
PTRM	Twissleman Ranch	
UKI	Ukiah	
JUCM	University of California, Santa Cruz	
CMSB	University of California Stadium	
USC	University of Southern California	
VPDC	Valencia Peak Digital	
CVLM	Vallecito	
AVRM	Valley Road Site	
GVV	Valley View	
OGOM	Van Goodin Ranch	
VARB	Varian Well	
VPK	Verdi Peak	
VES	Vestal, Richgrove	
CVAL	Veterans Administration Hospital	
VTV	Victorville	
VPD	Villa Park Dam	
VIN	Vineyard	
BVYM	Vineyard	
VCAB	Vineyard Canyon	
VIT	Vineyard--Telemeter	
VSTC	Vista	
VG2	Vista Grande	
WVPM	Volcano Peak E	VPEM
VPEM	Volcano Peak East	
CVPM	Vollmer Peak	
WWPM	Walker Pass	
GWKM	Walker Ridge	
WKC2	Walker Ridge	
WKC	Walker Ridge	
WSP	Warm Springs	
WENL	Wente Vineyards, Livermore	
PWMM	Westland Maintenance Station	
WML	Westmorland	
U05C	Westside ANR, Five Points	
WESC	Westside School	
WERC	Wheeler Ridge	
WH2	Whipple Mountains 2	
WDC	Whiskeytown Dam	
S08C	White Mtn Res Sta-Crooked Creek, Bishop	
WWR	Whitewater	
WLK	Wiest Lake	
WRC	Williams Ranch	
Q03C	Winters	
WIS	Wister	
GWRM	Wonder Ranch	
LT6	Woodside	WDS
JWSM	Woodside	WDS
WDS	Woodside	
WDY	Woody	
PWKM	Work Ranch	WKR
WKR	Work Ranch	
PK2	Work Ranch	WKR
NWRM	Wright Ranch	
OWYM	Wyandotte	
OWAM	Wyandotte	OWYM
YAQ	Yaqui Meadows	
YEG	Yeguas Mountain	
YBIB	Yerba Buena Island	
CYBM	Yerba Buena Island	
YR-	Yreka	YR-CL
YR-CL	Yreka	
YBH	Yreka Blue Horn Mine, Yreka	
P05C	Yuba Gap, Truckee	
YUH	Yuha Desert	
HQRM		QSR
JPSM		PSD
NFRM		FTR
NGVM		GVR
NMCM		NMC
JSGM		SGC
NLNM		LOC
NSPM		SNT
LUL		
WMD		
Caribbean Sea		
GTBY	Guantanamo Bay	
SDDR	Presa de Sabaneta	
Colorado		
S22A	4UR Ranch, Creede	
N27A	Anderson Farm, Haxtun	
R26A	Arlington	
Q25A	Bedland, Calhan	
O27A	Beecher Island, Eckley	
N21A	Black Mountain, Craig	
BDC	Boulder	
BOU	Boulder	
BO1	Boulder	
T27A	Campo	
N24A	Carr	
T23A	Casias Ranch, Antonito	
CECO	Cedaredge	
R21A	Cimarron	
S21A	Coal Bank Pass, Durango	
CMCO	Colorado Mnmt	
T26A	Comanche National Grassland Park, Kim	
CGC	Craig	
Q22A	Crested Butte, Gunnison	
P19A	Cripple Cowboy Ranch, Baxter Pass	
P26A	Davis Ranch, Arriba	
P20A	De Beque	
DEN	Denver	
DER	Derby	
S20A	Disappointment Valley, Cahone	
Q24A	Divide	
DGC	Durango	
DR-CO	Durango	
DR-	Durango	DR-CO
R27A	Eads	
EGC	Eagle	
P22A	Eagle	
T22A	Edith	
P27A	Ficken Ranch, Kirk	
R25A	Fountain Ranch, Boone	
FK-	Franktown	FK-CO
FK-CO	Franktown	
GACO	Gateway	
GLD	Golden	
GOL	Golden	
GJC	Grand Junction	
N25A	Grover	
Q23A	Hartsel	
HDQ	Headquarters	
HLR	Highland Ranch	
O26A	Horse Wrangler Ranch, Akron	
S24A	Houchin Ranch, La Veta	
Q26A	Hugo	
ISCO	Idaho Springs	
P23A	Jefferson	
KSCO	Kaye Shedlock's, Cheyenne Wells	
S26A	Kim	
N26A	Koester Ranch, Padroni	
P24A	Kohler Place, Littleton	
O22A	Kremmling	
O23A	Lake Granby, Granby	
Q21A	Lamborn Mesa, Paonia	
S27A	Las Animas	
O24A	Longmont	
LSI02	Los Alamos Infrasonic Array Site 2	
MSCO	Mesa State College	
MVCO	Mesa Verde	
R23A	Moffat	
MRC	Montrose	
P21A	Newcastle	
S23A	Nye Farm, Monte Vista	
OMCO	Orchard Mesa	
O21A	Pagoda	
PGS	Pagosa Springs	
PV08	Paradox Valley	
PV10	Paradox Valley	
PV04	Paradox Valley	
PV15	Paradox Valley	
PV07	Paradox Valley	
PV01	Paradox Valley	
PV03	Paradox Valley	
PV05	Paradox Valley	
PV06	Paradox Valley	
PV02	Paradox Valley	
PV09	Paradox Valley	
PMC	Poorman Mine	
RGC	Rangely	
N23A	Red Feather Lakes	
R20A	Redvale	
Q20A	Ridgley Place, Grand Junction	
RW6	Ridgway	
RW4	Ridgway	
RW1	Ridgway	
RW2	Ridgway	
RW3	Ridgway	
RW5	Ridgway	
RBC	Rio Blanco	
S25A	Robets Cordova Ranch, Walsenberg	
R22A	Saguache, Gunnison	
R24A	Sanders Place, Florence	
T24B	San Luis	
SMCO	Snowmass	
SMC	Somerset	
SIG	South Ingalls	
N20A	Spence Gulch, Sunbeam	
T24A	Torres, Weston	
T25A	Trinidad	
TDC	Trinidad (USA)	
TJC	Trinidad (USA)	
T28A	Walsh	
WTC	Waterton	
N22A	Wattenberg Ranch, Walden	
O20A	White River City	
O25A	Wiggins	
P25A	Willow Gulch Bison Ranch, Deer Trail	
Connecticut		
APT	Avery Point	
BPT	Bridgeport	
BCT	Brookfield	
BRYW	Bryant College	
CPL	Chaplin	

Code	Station Name	Other
ECT	Ellsworth	
HDM	Haddam	
HAR	Hartford	
LSCT	Lakeside	
MD1	Moodus	
MD2	Moodus	
MD3	Moodus	
MD4	Moodus	
MD5	Moodus	
NHC	New Haven	
NSC	North Stonington	
TMT	Talcott Mountain	
UCCT	U. Connecticut	
UCT	University of Connecticut	
WSPT	Westport, CT	
YLE	Yale	
Delaware		
BVD	Bellevue State Park	
BBD	Blackbird State Forest	
BWD	Brandywine Creek State Park	
DEMA	Delaware Emergency Management Agency	
GTD	Georgetown	
GWDE	Greenwood	
NED	Newark	
SCOM	Sussex County Emergency Operations Center	
District of Columbia		
BED	Bald Eagle	
DTM	Carnegie Institution of Washington	
GEO	Georgetown	
PPHYL	Hylton High School	
WAS	Washington	
NRL	Washington--Naval Research Laboratory	
Florida		
BE-FL	Belleview	
BE-	Belleview	BE-FL
DWPF	Disney	
EVE	Everglades	
GAI	Gainesville	
JAC	Jacksonville	
MIA	Miami	
OR-FL	Orlando	
OR-	Orlando	OR-FL
PEN	Pensacola	
RIC	Richmond	
WFF	Whiting Field	
Georgia		
AMG	Americus	
ATL	Atlanta	
BBG	Brasstown Bald	
CDG	Carters Dam	
CMGA	Chestnut Mountain	
IVAG	Clark Hill Reservoir	
CH5	Clark Hill Reservoir	
BEVG	Clark Hill Reservoir	
LDVG	Clark Hill Reservoir	
CH6	Clark Hill Reservoir	
DALG	Dalton	
ETG	Eatonton	
GOGA	Godfrey	
GMG	Grassy Mountain	
GBG	Greensboro	
LA-	Lafayette	LA-GA
LA-GA	Lafayette	
LKGA	Lookout Mountain	
RCG	Rock City	
REG	Rock Eagle	
TVGG	Rocky Mountain Net	
RMG	Rome (USA)	
TIGA	Tifton	
WDG	Wallace Dam	
Hawaii		
AHA	Ahua	
AIN	Ainahou	
BAH	Barrette	
CPH	Captain Cook	
CPK	Cone Peak	
DAH	Dandelion	
DES	Desert	
DHH	Diamond Head	
ESR	Escape Road	
FEF	Fern Forest	
HLK	Haleakala	
HKL	Haleakala	
HPU	Hale Pohaku	
HBH	HawaiianBeaches	
HVO	Hawaiian Volcano	UWE
HIG	Hawaii Institute of Geophysics	
HW-	Hawaii Isl. Ar.	HW-IS
HW-IS	Hawaii Isl. Ar.	
HPAH	Hawaii Preparatory Academy	
HUL	Heiheiahulu	
HLP	Hilina Pali	
HIL	Hilo	
HNL	Honolulu	
HON	Honolulu	
HPO	Honuapo	
HTC	Hot Caves	
HUH	Hualalai	
HMH	Humuula	
KUH	Kaapuna	
KAE	Kaena	
KPH	Kaena Point	
KHU	Kahuku	
KKH	Kailua Kona	
KLCH	Kalalua Cone	
KPA	Kalaupapa	
KML	Kamuela	
KANH	Kanahau	
KIH	Kanekii	
KNHH	Kane Nui o Hamo	
KFH	Kaoiki Faults	
KLH	Kapapala Ranch	
KPO	Kapoho	
KLK	Kealakekua	
KEA	Kealakomo	
KKU	Keanakolu	
KEKH	Kekaha	
KIP	Kipapa	
KNH	Kipuka Nene	
KOH	Kohala	
KNW	Konawaena	
LPH	Laupahoehoe	
LLAH	Lualailua	
M12	M12	
MHA	Mahukona	
MKA	Makaopuhi	
MAUI	Maui	
MKH	Mauna Kea	
MLH	Mauna Loa	
MLX	Mauna Loa 2	
MLOA	Mauna Loa Observatory	
MOK	Mokapu	
MWH	Mokuaweoweo	
MVH	Mountain View	
NAA	Naalehu	
NGH	National Guard	
NBH	North Bay	
NPH	North Pit	
OA-	Oahu Island	OA-IS
OA-IS	Oahu Island	
OVEH	Oceanview Est	
OKAH	Ooka	
OPA	Opana	
OUT	Outlet	
PAH	Pahoa	
PFH	Pahoa Fire House	
PUH	Pauahi	
POHA	Pohakuloa	
POH	Pohoiki	
PWH	Poliokeawe Pali	
PUP	Pupakea	
PHO	Puu Honuaula	
PHH	Puu Huluhulu	
PKL	Puu Kaliu	
KMH	Puu Kamoamoa	
POK	Puuokali	
PPL	Puu Pili	
PLL	Puu Ulaula	
RSD	Rainshed	
RCO	Red Cone	
RIM	Rim	
SPT	South Point	
SWH	Southwest Rift	
STCH	Steam Cracks	
TRH	Trail	
UWE	Uwekahuna	
WHA	Wahaula	
WKH	Waikii	
WMR	Waimanalo Ridge	
WLG	Waldron Ledge	
WOB	Weather Observatory	
WPH	West Pit	
WHI	Whitney	
WIH	Wilkes Camp	
WOH	Wood Valley	
Idaho		
K15A	Arbon	
ARNI	Argonne North	
I12A	Atlanta	
AHID	Auburn Hatchery	
BCYI	Bear Canyon	
BEI	Bear River Range	
E12A	Beaver Dam Saddle, Pierce	
J10A	Berg Farm, Melba	
BHI	Bertha Hill	
BBI	Big Bend	
G12A	Big Creek, Yellow Pine	
GBI	Big Grassy Butte	
LRI	Big Lost River	
YPBB	Black Butte	
J15A	Blackfoot	
E11A	Bogner Ranch, Nez Perce	
BSE	Boise	
J16A	Bone	
BDID	Brownlee Dam	
BUI	Burke	
MFID	Camas Ranch	
J14A	Carey	
L11A	Cat Creek Ranch, Riddle	
CIB	Cedar Butte	
CBTI	Cedar Butte	
CMI	Centennial Mountain	
H13A	Challis	
CL-ID	Challis	
CL-	Challis	CL-ID
CRBI	Circular Butte	
G13A	Cobalt	
J13A	Cove Ranch, Picabo	
CHOI	Coyote Hollow	
COMI	Craters of Moon	
CPI	Crown Point	
CNCI	Crows Nest Canyon	
DEI	Dent	
H12A	Diamond D Ranch, Stanley	
H11A	Donnelly	
L13A	Double Diamond Ranch, Oakley	
DCID1	Drake Creek	
K12A	Draper Farm, Castleford	
DCI	Dry Creek	
DPI	Dunn Peak	
ECR	Eagle Creek	
EMI	Eightmile Canyon	
EBI	Elk Butte	
F12A	Elk City	
ERI	Eureka Ridge	
L16A	Fish Haven	
GMI	Garnes Mountain	
GHI	Gilbert Hill	
GRAI	Grandview Point	
F11A	Grangeville	
GRCI	Grant Creek	
GRRI	Grays Lake	
GTRI	Great Rift	
HL-	Hailey	HL-ID
HLID	Hailey	
HL2	Hailey	HL2ID
HL-ID	Hailey	
HL2ID	Hailey	
A11A	Hall Mountain, Copeland	
HID	Hamer Butte	
HHI	Harmony Heights	
YPHR	Hebgen Ridge	
HHAI	Hells Half Acre	
YHB	Horse Butte	
L12A	House Creek Ranch, Rogerson	
HPI	Howe Peak	
HWSI	Howe Scarp	
IDA	Idaho Array	
ID1	Idaho Array 1	
ID2	Idaho Array 2	
ID3	Idaho Array 3	
ID4	Idaho Array 4	
ID5	Idaho Array 5	
IRCI	INEL Research	
ICI	Italian Canyon	
JECI	Jenson Cabin	
JSM	Jim Sage Mountain	
K14A	Jones Ranch, Declo	
L10A	Juniper Basin Ranch, Riddle	
JGI	Juniper Gulch	
KGI	Kellogg	
KCI	Kelly Canyon	
KBI	Kettle Butte	
D11A	Klaveano Farm, Fernwood	
H14A	Leadore	
LJI	Lemhi Junction	
LGM	Little Green Mountain	
LLRI	Little Lost River	
LVRI	Lost Valley Reservoir	
I14A	Mackay	
MCPI	Mackay Peak	
L15A	Malad City	
MLI	Malad Range	
L14A	Malta	
MAS	Mason Butte	
MBI	Menan Buttes	
YPMF	Mesa Falls	
I15A	Monteview	
MCID	Moose Creek	
MO-ID	Mountain Home	
MO-	Mountain Home	MO-ID
MUDI	Mud Lake	
MUL	Mullan	
NWR	Narrow River	
I16A	Newdale	
NPRI	New Reactor	
H10A	Noah's Angus Ranch, Cambridge	
NTI	Nordman	
NPI	North Pocatello Valley	
K11A	Parker Ranch, Bruneau	
PZCI	Patelzick Creek	
I10A	Payette	
PLID	Pearl Lake	
PINI	Pine Creek	
I11A	Placerville	
PTI	Pocatello Creek	
PCID	Pole Creek	
PQ-ID	Preston	
D12A	Red Ives Forest Station, Avery	
RRI	Red Ridge	
RRI2	Red Ridge	
REX	Rexburg	
RMI	Round Mountain	
SJID	Saint Joe	
B11A	Sandpoint	
SPVI	Shoe Peg Valley	
SMBI	Sixmile Butte	
SBID	Snowbank Mountain	
K16A	Soda Springs	
SPCI	Split Crater	
STID	Stanley	
STI	Star Valley	
J12A	Stokes Ranch, Hill City	
K13A	Stover Farm, Hazelton	
SURI	Summit Reservoir	
TMI	Taylor Mountain	
TCSI	Telchick Spring	
C11A	Tepee Creek (NFS), Magee	
TID	Three Point Mountain	
TYI	Trinity Mountain	
YPTS	Trude Siding	
WAL	Wallace	
G11A	Walters Elk Ranch, Riggins	
WBI	Whiskey Butte	
I13A	Wildhorse Creek, Mackay	
WICI	Willow Creek	
WPI	Wilson Peak	
Illinois		
BPIL	Belle Prairie	
BVIL	Belleville	
CIRL	Cave In Rock	
CGI	Chicago	
CHK	Chicago	
CHI	Chicago-Loyola	
CSIL	Creal Springs	
DAIL	Da Vinci Academy	
DEK	Dekalb	
ELC	Elco	
HDIL	Hopedale	
JCMO	Jefferson College	
MCIL	McClure	
NHIL	New Haven	
PW-	Pontiac	PW-IL
PW-IL	Pontiac	
GOIL	Rosebud	
SMV	Samsville	
EDIL	So. Illinois U.	
SIUC	Southern Illinois University	
SCMO	St. Charles CC	
WVIL	Wabash College	
WQ-IL	Watseka	
WCIL	Waubonsee CC	
WSIL	West Salem	
Indiana		
BLO	Bloomington	
IN1	Indiana Array	
IN2	Indiana Array	
IN3	Indiana Array	
IN4	Indiana Array	
ISU	Indiana State University	
SFIN	Scholer Farm	
SHIN	Springhill	
SPIN	Swan Pond Ditch	
THI	Terre Haute	
USIN	University of Southern Indiana	
WDIN	Wadesville	
WCI	Wyandotte Cave	
Iowa		
BY-IO	Bloomfield	
DMI	Des Moines	
DBQ	Dubuque	
SCIA	State Center	
VO-IO	Vinton	
VO-	Vinton	VO-IO
Kansas		
P29A	Atwood	
BEK	Belvue	
R31A	Burdett	
CBKS	Cedar Bluff	
CNK	Concordia	
Q33A	Connelly Farm, Tescott	
R30A	Dighton	
EDK	El Dorado	
Q31A	Ellis	
EMK	Emporia	
EM-	Emporia	EM-KA
EM-KA	Emporia	
HWK	Hiawatha	
T32A	Huddler Ranch, Lake City	
T29A	Hugoton	
P32A	Huiting Farm, Downs	
KSU1	Kansas State University--Konza Prairie	
S33A	Kaszmaul Farm, Murdock	
LAK	Lawrence	
LAW	Lawrence	
R32A	Long Quarter, Great Bend	
MHK	Manhattan	
MHT	Manhattan	
S28A	Manter	
R29A	Marienthal	
Q32A	Meitler Ranch, Lucas	
MLK	Milford Reservoir	
S30A	Montezuma	
S31A	Mullinville	
S32A	Newby Ranch, Pratt	
NNK	Norton	
Q29A	Oakley	
OBK	Oberlin	
R33A	Olander Ranch, Little River	
T33A	Patterson Ranch, Waldron	
T30A	Plains	
Q30A	Quinter	
T31A	Randall Ranch, Ashland	
P28A	Saint Francis	
SNK	Salina	
P30A	Selden	
Q28A	Sharon Springs	
P31A	Stockton	
R28A	Tribune	
TCK	Tuttle Creek Reservoir	
S29A	Ulysses	
P33A	Williams Farm, Concordia	
Kentucky		
BETH	Bethel	
BGKY	Bowling Green	
BHKY	Bowman Hall	
CRU	Crutchfield	
DY-KY	Dry Ridge	
DY-	Dry Ridge	DY-KY
FLKY	Flemingsburg	
SLKY	Flemingsburg	FLKY
FDKY	Freedom	
FMKY	Fulgham	
HAKY	Hadley Quad	
HICK	Hickman	
LLKY	Land-Between-the-Lakes	
LEK	Lexington	
LGKY	Lock 6	L6KY
L6KY	Lock 6	
LOKY	Lockhart	
MOKY	Morganfield	
PAKY	Paducah	
PKKY	Potato Knob	
REKY	Reed	
ROKY	Rotten Point	
RS-	Russell Springs	RS-KY
RS-KY	Russell Springs	
SMKY	Sacramento	
SOKY	Sonora	
SSKY	Summer Shade	
WCK	Wilson Creek	
Kodiak Island		
OHAK	Old Harbor	
Louisiana		
JE-LA	Jena	
JE-	Jena (USA)	JE-LA
LV-	Liddieville	LV-LA
LV-LA	Liddieville	
NOL	New Orleans	
LSU1	Parcperdue Array	
LSU2	Parcperdue Array	
LSU3	Parcperdue Array	
LSU4	Parcperdue Array	
LSU5	Parcperdue Array	
Maine		
AGM	Allagash	
AG-	Augusta	AG-ME
AG-ME	Augusta	
BG-ME	Bangor	
BG-	Bangor	BG-ME
BPM	Bucksport	
CBM	Caribou	
PQ0	Cooper Hill	
D1A	Dickey	
D5A	Dickey	
D2A	Dickey	
D6A	Dickey	
D4A	Dickey	
D3A	Dickey	
EMMT	East Machias	
EMMW	East Machias	
EMM	East Machias	
PQ1	East Ridge	
HKM	Hinckley	
HN-	Houlton	HN-ME
HN-ME	Houlton	
HNME	Houlton	
JKM	Jackman	
MIM	Milo	
ORNO	Orono	
PKME	Peaks-Kenny Pk	
POR	Portland	
PQI	Presque Isle	
TRM	Turner	
WTR	Waterville	
WVL	Waterville	
Maryland		
NHB	Bethesda--National Naval Medical Center	

Code	Station Name	Other
CLH	Cheltenham	
ER304	Early Rise 304	
ECM	Ellicott City	
GS-MD	Grantsville	
GS-	Grantsville	GS-MD
NLM	Maryland--Naval Ordinance Lab	
SDMD	Soldier's Delight Natural Environment Area	
VIL	Villa Mercy	
WSC	Washington Science Center	
WOO	Woodstock	
Massachusetts		
HRV	Adam Dziewonski Observatory	
QUA2	Belchertown	
BCX	Boston College	
CAM	Cambridge	
DXB	Duxbury	
DUX	Duxbury	
FLR	Fall River	
GLO	Gloucester	
LNX	Lenox	
NMA	Nantucket	
QUA	Quabbin	
COD	South Dennis	
WGMA	Westboro	
WFM	Westford	
WES	Weston	
WLL	Williamstown	
WOR	Worcester	
Michigan		
ACM	Allegan	
AAM	Ann Arbor	
MTPM	Central Michigan University	
LNSM	East Lansing	
ED-	Edgewood	ED-MI
ED-MI	Edgewood	
GLMI	Grayling	
KZM	Kalamazoo	
PF-MI	Pickford	
PF-	Pickford	PF-MI
SUG	Sugar Island	
TT-	Trout Lake	TT-MI
TT-MI	Trout Lake	
AAMC	University of Michigan	
WPM	White Pine	
Minnesota		
B34A	Aery, Baudette	
AGMN	Agassiz National Wildlife Refuge	
B32A	Ashes, Strandquist	
BEM	Bemidji	
CM4	Central Minnesota Array	
CM1	Central Minnesota Array	
CM2	Central Minnesota Array	
CM3	Central Minnesota Array	
CM5	Central Minnesota Array	
CM6	Central Minnesota Array	
DUL	Duluth	
EYMN	Ely	
GY-	Gaylord	GY-MN
GY-MN	Gaylord	
C39A	Grand Marais	
GP-	Grand Rapids	GP-MN
GP-MN	Grand Rapids	
HT-	Hastings	HT-MN
HT-MN	Hastings	
JA-	Jasper	JA-MN
JA-MN	Jasper	
JO-MN	Jordan	
JO-	Jordan	JO-MN
A31A	Linda, St. Vincent	
MFM	Minneapolis	
MNM	Minneapolis	
MNN	Minneapolis	
NB-	North Branch	NB-MN
NB-MN	North Branch	
PP-	Pipestone	PP-MN
PP-MN	Pipestone	
SE-MN	Sleepy Eye	
SE-	Sleepy Eye	SE-MN
SPMN	St. Paul	
TY-MN	Tracy	
TY-	Tracy	TY-MN
A33A	Warroad	
WD-MN	Windom	
WD-	Windom	WD-MN
WF-MN	Wykoff	
WF-	Wykoff	WF-MN
Mississippi		
GH-MS	Greenville	
LL-MS	Laurel	
LL-	Laurel	LL-MS
LD-MS	Lucedale	
LD-	Lucedale	LD-MS
LD3MS	Lucedale	
LD2MS	Lucedale	
LU-MS	Lumberton	
MB-	McComb	MB-MS
MB-MS	McComb	
OXF	Oxford	
PC-	Picayune	PC-MS
PC-MS	Picayune	
PGM	Pleasant Grove	
PU-	Purvis	PU-MS
PU-MS	Purvis	
RI-MS	Richton	
TQ-MS	Tatum Dome	
VBMS	Vicksburg	
Missouri		
BRNM	Bernie	
BRM	Bernie	
BRR	Berryman	
BETM	Bethany	
BRGM	Braggadocio	
CGM	Cape Girardeau	
CCM	Cathedral Cave	
CATM	Catron	
CHNM	Channel	
CHRM	Charleston	
COKM	Charter Oak	
CWPT	Cottonwood Point	
CCMO	Creve Coeur	
CBD	Cypress Bend	
DMV	Demmitville	
DWDM	Dogwood	
DWM	Dogwood	
DON	Dongola	
EPRM	East Prairie	
ECD	Elk Chute Ditch	
EN-	Ellsinore	EN-MO
EN-MO	Ellsinore	
STIL	E St Louis HE Ctr	
FRM	Flat River	
FLO	Florissant	
FVM	French Village	
CBMO	Girardeau Bridge	
GLST	Glass	
GNAR	Gosnell	
GSAR	Gosnell High Sch.	
GRV	Greenville	
GUAMO	Guam	
HAWT	Hathaway	
HATI	Hayti	
HENM	Henderson Mound	
KC-	Kansas City	KC-MO
KC-MO	Kansas City	
KEWM	Kewanee	
LPAR	Lepanto	
LDMO	Linda	
LST	Lone Star	
MLDM	Malden	
MLD	Malden	
MARMO	Marston	
MVMO	Maryville College	
MATM	Matthews	
MGMO	Mountain Grove	
NMMO	New Madrid	
NMD	New Madrid	
NMM	New Madrid	
NMEM	New Madrid Sch	
NRMS	Noranda	
PARMO	Parma	
MMM	Pea Ridge Mine	
PEBM	Pemiscott Bayou	
PENMO	Penman	
PPLM	Point Pleasant	
PBMO	Poplar Bluff	
POBM	Portage Bay	
PGVM	Portageville	
PTG	Portageville	
PVMO	Portageville	
RSCM	Risco	
RELT	Roellen	
ROL	Rolla	
RMB	Rombauer	
SJMO	Saint John's Bayou	
SLM	Saint Louis	
TOPM	Tallapoosa	
TPMO	Tallapoosa	
TYS	Tyson Valley	
WADM	Wardell	
WALK	Watson Lake	
Montana		
F21A	Absaloka Mine, Hardin	
G24A	Alzada	
AMM	Anaconda	
AN-MA	Angela	
AN-	Angela	AN-MA
E24A	Baker	
BGMT	Barton Gulch	
BCM	Basin Creek	
BSMT	Bassoo Peak	
B18A	Beardsley Farm, Havre	
A21A	Bergtoll Ranch, Theony	
G23A	Biddle	
BBM	Big Bend	
BCB	Big Creek Baldy	
BFM	Bigfork	
BHMT	Big Hole Peak	
F18A	Big Timber	
BS-MA	Billings	
F20A	Billings	
G22A	Birney	
BLK	Black Butte	
BPMT	Black Pine Ridge	
BLMT	Blacktail Mountain	
BZE	Bozeman	
BZM	Bozeman	
BZMT	Bozeman Pass	
BOZ	Bozeman (W)	
B15A	Bradely Ranch, Valier	
G20A	Bridger	
B19A	Brinkman Farms, Chinook	
B23A	Brockton	
F15A	Butte	
BUT	Butte	
CLX	Calx Mountain	
A22A	Carney Farms, Richland	
CHMT	Chamberlain Mountain	
CRMT	Chrome Mountain	
CMT	Clancy	
CCMT	Clark Canyon Reservoir	
CFM	Cliffside	
E14A	Clinton	
A20A	Cobblestone Ranch, Loring	
D22A	Cohagen	
CKM	Coopers Lake	
D19A	Cripps Ranch, Grass Range	
DGMT	Dagmar	
DMMT	Dalton Mountain	
D16A	Dana Ranch, Cascade	
F13A	Darby	
E15A	Deer Lodge	
DPM	Delmo Park	
YPDC	Denny Creek	
C21A	Desert Coulee Ranch, Glasgow	
G15A	Dillon	
DI-MA	Dillon	
DLMT	Dillon	
DI-	Dillon	DI-MA
A14A	Double T Ranch, Babb	
EGMT	Eagleton	
QLMT	Earthquake Lake	
E16A	East Helena	
ERMT	East Ridge	
F24A	Ekalaka	
ELMT	Elliston	
B21A	Ellsworth Farm, Hinsdale	
FBMT	Ferry Basin	
F17A	Fitzpatrick Place, Clyde Park	
A13A	Flathead National Forest, Polebridge	
FR-	Forsyth	FR-MA
FR-MA	Forsyth	
C16A	Fuhringer Ranch, Dutton	
D24A	Glendive	
GI-	Glendive	GI-MA
GI-MA	Glendive	
GBM	Granite Butte	
GCR	Grayling Creek	
D14A	Greenough	
GCMT	Greycliff	
HH-	Hannah	HH-ND
HH-ND	Hannah	
E18A	Harlowton	
HV-	Havre	HV-MA
HV-MA	Havre	
HLM	Helmville	
HRF	Holter Research Foundation--Helena	
HRY	Holter Research Foundation--York Bridge	
C13A	Hot Springs	
HHM	Hungry Horse	
D13A	Huson	
HY-	Hysham	HY-MA
HY-MA	Hysham	
E23A	Ismay	
G14A	Jackson	
JTMT	Jette	
A15A	Johnson Ranch, Cut Bank	
E21A	Keefer Ranch, Vananda	
F16A	Kennard Place, Willow Creek	
A19A	Klindworth Farms, Hogeland	
D21A	La Casta Ranch, Jordon	
LHM	Lake Helena	
C23A	Lambert	
LASA	Lasa Array	LAO
LA0	Lasa Array	LAO
LAO	LASA Array	
LB1	LASA B Ring	
LB2	LASA B Ring	
LB3	LASA B Ring	
LB4	LASA B Ring	
LC1	LASA C Ring	
LC2	LASA C Ring	
LC3	LASA C Ring	
LC4	LASA C Ring	
LD1	LASA D Ring	
LD2	LASA D Ring	
LD3	LASA D Ring	
LD4	LASA D Ring	
LE1	LASA E Ring	
LE2	LASA E Ring	
LE3	LASA E Ring	
LE4	LASA E Ring	
LF1	LASA F Ring	
LF2	LASA F Ring	
LF3	LASA F Ring	
LF4	LASA F Ring	
G18A	Lazy EL Ranch, Roscoe	
LCCM	Lewis and Clark Caverns	
LN-MA	Lewistown	
B17A	L&G Farms, Chester	
B12A	Libby	
LDM	Libby Dam	
H15A	Lima	
LRM	Limekiln Ridge	
D15A	Lincoln	
D23A	Lindsay	
D18A	Linhart Farms, Moccasin	
LBM	Little Butte	
LHD	Little Hoodo Mountain	
LTMT	Little Table Mountain	
G21A	Lodge Grass	
LFM	Lubrecht Forest	
LYMT	Lyon Mountain	
D20A	Manuel Ranch, Winnett	
B14A	Marquette Ranch, East Glacier	
E17A	Martinsdale	
MCMT	McKenzie Canyon	
A18A	Metzger Ranch, Havre	
E20A	Meyer Farm, Musselshell	
E22A	Miles City	
MKMT	Mink Peak	
MSMT	Mission Creek	
MSO	Missoula	
B16A	M & M Farms, Shelby	
MOMT	Monida	
G16A	Moss Hill, Ennis	
BEMT	Mount Belmont	
MEMT	Mount Ellis	
HBMT	Mount Humbug	
C12B	Naegeli Ranch, Trout Creek	
NCM	Ninemile Creek	
NDMT	Ninemile Divide	
OVMT	Ovando	
G17A	Pierce Place, Pray	
PNK	Pinkham Creek	
PCMT	Pistol Creek	
E19A	Rath Farm, Roundup	
B22A	Reddig Ranch South, Frazer	
YPRL	Red Lodge	
RLMT	Red Lodge	
A23A	Redstone	
RFM	Reservoir Flats	
RXF	Rexford	
F22A	Rosebud	
F19A	Roth Farm, Molt	
H16A	Russell Place, West Yellowstone	
C15A	Salmond Ranch, Choteau	
C24A	Savage	
SLMT	Seeley Lake	
SGM	Silver Gate	
D17A	Six Diamond Ranch, Ranyesford	
SXM	Sixmile	
C19A	Slack Wire Ranch, Winifred	
B20A	Solberg Farm, Malta	
STMT	Stillwater Mine	
-A0MA	Subarray A0 LASA	
SVMT	Summit Valley	
SWP	Swamp Creek	
C14A	Swan Lake	
SWMT	Swartz Lake	
SW-	Sweetgrass	SW-MA
SW-MA	Sweetgrass	
TEE	Teeples Ranch	
TPMT	Tepee Creek	
A17A	Triple J Farms, Joplin	
C12A	Trout Creek	
C20A	Veseth Ranch, Zortman	
E13A	Victor	
VCMT	Victor	
C22A	Vida	
F23A	Volborg	
WCM	Warland Creek	
YPWB	West Boundary	
A16A	West Butte Ranch, Sweetgrass	
YWY	West Yellowstone	
C17A	Wharram Farm, Highwood	
B13A	Whitefish	
WHM	Wild Horse Parks	
F14A	Wisdom	
YKM	Yaak	
A12A	Yaak River Ranch, Troy	
YBMT	Yellow Bay	
YCM	YMCA Camp	
Nebraska		
O29A	4D Ranch, Culbertson	
AI-	Alliance	AI-NB
AI-NB	Alliance	
ABN	Auburn	
N31A	Bailey Ranch, Gibbon	
M28A	Bar X Bar Ranch, Keystone	
K30A	Basset	
BENE	Beatrice	
BGNE	Belgrade	
O32A	Brockman Farm, Red Cloud	
M29A	Burnside Ranch, Stapleton	
L31A	Butterfield Farm, Chambers	
CCNE	Clay Center	
CZ-	Cody	CZ-NB
CZ-NB	Cody	
CUN	Columbus	
L28A	Connealy Angus Ranch, Whitman	
CTN	Crete	
CR2NB	Crete	
CR-	Crete	CR-NB
CR-NB	Crete	
M30A	Dale-Ortello Valley, Anselmo	
DTN	Dwight	
L25A	Engebretsen Ranch, Morrill	
K27A	Flueckinger Farm, Gordon	
GO-	Gordon	GO-NB
GO-NB	Gordon	
GAN	Gretna	
HS-NB	Hay Springs	
HS-	Hay Springs	HS-NB
O33A	Hebron	
HMN	Homestead National Monument	
N30A	Hueftle Ranch, Cozad	
INDN	Indianola	
JHN	Johnson	
O28A	Krutsinger Ranch, Parks	
M31A	Lambtecht Ranch, Loup City	
K29A	Lazy Trails Angus Ranch, Wood Lake	
LCN	Lincoln	
LIN	Lincoln	
LCNE	Loup City	
LCNC	Loup City	
K25A	Mack Ranch, Harrison	
L29A	Maesberg Ranch, Thedford	
M26A	McRoberts Ranch, Bridgeport	
MKN	Medicine Creek Dam	
MH-	Mitchell	MH-NB
MH-NB	Mitchell	
K26A	Motz Farm, Whitney	
O30A	MW Ranch, Wilsonville	
NR-	Niobrara River	NR-NB
NR-NB	Niobrara River	
OGNE	Ogallala	
PCNE	Platte Center	
N28A	Pribbeno Ranch, Imperial	
M27A	Reverse DX Ranch, Oshkosh	
L30A	Spencer Herefords Ranch, Brewster	
SGN	Springfield	
N32A	Stulken Farm, Doniphan	
L27A	T5 Ranch, Ellsworth	
K28A	Ten Mile Ranch, Cody	
L26A	Underwood Farm, Alliance	
N29A	Votaw Ranch, Wellfleet	
WHNE	Wahoo	
WNN	Wann	
O31A	Woolen Ranch, Alma	
Nevada		
BUK	413	
LWN	416	
ALA	Alamo	
AMDNV	Amargosa	
ANCR	Anchorite	
APK	Angel's Peak	
APKW	Angels Peak	
U10A	Ash Meadows, Armagosa	
APNR	Astor Pass	
P09A	Austin	
AT-	Austin	AT-NV
AT-NV	Austin	
BRO	Bare Mountain	
BMN	Battle Mountain	
BEA	Beatty	BTY
BTY	Beatty	
BLM*	Bell Mountain	
BLT	Belted Range	
BGB	Big Butte	
BGN	Big Creek	
BIS	Bismark Peak	
BMTN	Black Mountain	
BMT*	Black Mountain	
TVH2	Borealis Mine area,	

	Hawthorne	
BCN	Boulder City	
BNPN	Boundary Peak	
BONR	Boundary Peak	
BOX	Box Canyon	
BYX	Boyer Ranch	
BFC	Buffalo Canyon	
N06A	Buffalo Meadows, Empire	
CTS	Cactus Peak	
CDH1	Calico Hills	
CDH5	Calico Hills	
CQ-NV	Caliente	
W12A	Cal Nev Ari	
CANR	Candelaria	
Q09A	Carvers	
NYC	Charley	
P11A	Circle Ranch, Eureka	
Q10A	Clear Creek Ranch, Tonopah	
NYM	Climax Mine	
N12A	Clover Valley, Wells	
COLR	Columbus	
U11A	Corn Creek	
T11A	Corn Creek, Alamo	
O10A	Cortez Mining, Crescent City	
COTR	Cottonwood	
O11A	Cowboy Ranch, Jiggs	
CPX	CP-1	
CPY	CP-1	
CPN	CP-17	
CMN	Crown Mine	
CU-	Currant	CU-NV
CND	Currant	
CU-NV	Currant	
O12A	Currie	
S12A	Delamar Landing Field, Caliente	
DLM	Delamar Mountains	
DIXR	Dixie Hot Springs	
P08A	Dixie Valley	
DSM	Dog Skin Mountain	
Q11A	Duckwater	
N10A	Dunphy	
TVH3	East Aurora area, Hawthorne	
EPR	East Pahranagat Range	
ESTR	Eastside	
EPM	Echo Peak	
EHN	Echo Peak	
EMN	Eldorado Mountains	
ELK	Elko	
EKO	Elko	
N11A	Elko Archery Club, Elko	
EY2NV	Ely	
EY-NV	Ely	
EY-	Ely	EY-NV
ELY	Ely	
EY2	Ely	EY2NV
ETS	Engine Test Stand	
P10A	Eureka	
EK-NV	Eureka	
EUR	Eureka	
EK-	Eureka (L)	EK-NV
EXC	Excelsior	
FPN1	Fairview Park	
FPN	Fairview Peak	
P07A	Fallon	
FA-NV	Faultless	
FERR	Ferguson	
O09A	Fish Creek Ranch, Battle Mountain	
O06A	Flanigan	
GAB	Gabbs	
Q08A	Gabbs	
GNO	Genoa	
N07A	Gerlach	
N07B	Gerlach	
N08A	GE Springer Mine, Mill City	
GBT	Gilbert	
GILR	Gillis	
GF-	Goldfield	GF-NV
GF-NV	Goldfield	
S09A	Goldfield	
GMN	Gold Mountain	
V11A	Goodsprings	
GLR	Groom Lake Road	
GMR	Groom Range	
ZOX	Ground Zero	GZN
GZN	Ground Zero	
GRX	Grover	
M08A	Happy Creek Ranch, Winnemucca	
HLX	Hole	
M11A	Holland Ranch, North Fork	
HCR	Hot Creek Range	
HYX	Hoyt Mine	
HCK	Huntoon Valley	
HVL	Huntoon Valley	
M10A	I.L. Ranch, Tuscarara	
IO-	Ione	IO-NV
IO-NV	Ione	
JON	Johnnie	
NYJ	Joshua Tree	
KVN	Kaiserville	
KP-NV	Kawich Peak	
KRNA	Kawich Range	
LM-NV	Lake Mead	
LM-	Lake Mead	LM-NV
LVN	Las Vegas	
LVW	Las Vegas	
LDV	Leadville	
LI-	Liberty	LI-NV
LI-NV	Liberty	
LHV	Little Huntoon Valley	
LSM	Little Skull Mountain	
LSN	Little Skull Mountain	
LOP	Lookout Peak	
LO-	Lovelock	LO-NV
LO-NV	Lovelock	
LVK	Lovelock	
LBP	Lucky Boy Pass	
LNG	Luning	
MGM	Magruder Mountain	
M09A	Marrel Ranch, Paradise Valley	
P12A	McGill	
MCN	Mercury	
MCV	Mercury	
MCY	Mercury	
MNV	Mina	
MN-NV	Mina	
MN-	Mina	MN-NV
MNA	Mina	
R08A	Mina	
NVAR	Mina Array Beam Reference Point	
NV01	Mina Array Site 1	
NV10	Mina Array Site 10	
NV02	Mina Array Site 2	
NV03	Mina Array Site 3	
NV32	Mina Array Site 32	
NV33	Mina Array Site 33	
NV04	Mina Array Site 4	
NV05	Mina Array Site 5	
NV06	Mina Array Site 6	
NV07	Mina Array Site 7	
NV08	Mina Array Site 8	
NV09	Mina Array Site 9	
NV11	Mina Array Sites 11 and 31	
T12A	Moapa	
M13A	Montello	
MZP	Montezuma Peak	
MTPC	Mountain Pass	
MTI	Mount Irish	
N23	N23	
NMN	Nasa Mountain	
V12A	Nelson	
NEL	Nelson	
NEN	Nelson	
NT2NV	Nevada Test Site	
NT-NV	Nevada Test Site	
NTA	Nevada Test Site Array	
NPN	North Pahroc Range	
NPM	North Pahute Mesa	
NRM	North Rainier Mesa	
NRR	North Reno	
ADM	NRDS	
OB3NV	Oak Springs Butte	
OB-NV	Oak Springs Butte	
OB2NV	Oak Springs Butte	
OVE	Overton	
PAHR	Pah Rah Range	
PRN	Pahroc Range	
LO2	Pahute Mesa	
PMN	Pahute Mesa	
PH3NV	Pahute Mesa Site	
PH4NV	Pahute Mesa Site	
PH-NV	Pahute Mesa Site	
PH2NV	Pahute Mesa Site	
PARR	Paradise	
PNR	Penrod	
PNTR	Pine Nut	
R12A	Pony Springs, Pioche	
QM-NV	Quartzite Mountain	
QCS	Queen City Summit	
QNR	Quinn River	
QRV	Quinn River Valley	
S11A	Rachel	
RH-NV	Rawhide Mountain	
NYR	Receiver Site	
REN	Reno	
RVE	Reveille Range	
O08A	Rochester Mine, Lovelock	
N09A	Rock Creek Ranch, Golconda	
RUT	Ruth	
RYN	Ryan	
SGI04	Saint George Infrasonic Array Site 4	
Q07A	Schurz	
SRG	Seaman Range	
SHRG	Sheep Range	
SHPR	Sheep Range	
SZ-	Shoal	SZ-NV
SZ-NV	Shoal	
SSP	Shoshone Peak	
SVP	Silver Peak Range	
SIMR	Simon	
STM	Slate Mountain	
SMN	Sleeping Mountain	
M07A	Soldier Meadows	
SPRG	Spotted Range	
SSX	SS1	
STX	Station 2	
P06A	Stead Airport, Stead	
ST-	Stillwater	ST-NV
ST-NV	Stillwater	
SWN	Stillwater	
SDH	Striped Hills	
SOX	Sue Hot Springs	
SC-	Sutcliffe	SC-NV
SC-NV	Sutcliffe	
NYS	Syncline Ridge	
TPU	Tempiute Mountain	
NT13	Thirsty	
TCNV	Thirsty Canyon	
TMN	Timber Mountain	
TMBR	Timber Mountain	
TP-NV	Tippipah	
TP-	Tippipah	
TPK	Tolicha Peak	
TI-NV	Tolicha Peak	
TPH	Tonopah	
R09A	Tonopah	
TPV	Tonopah	
TNP	Tonopah	
S10A	Tonopah Range, Tonopah	
TPNV	Topopah Spring	
O07A	Toulon	
TRCR	Troy Canyon	
R11A	Troy Canyon, Currant	
TVH1	TV Hill, Hawthorne	
TSV	Twin Springs	
UVN	Unionville	
UVN1	Unionville	
U12A	Valley of Fire, Overton	
NYV	Vern	
VIP	Virginia Peak	
WAD	Wadsworth	
WAKR	Walker	
R10A	Warm Springs	
WSN	Warm Springs	
WZ-NV	Warm Springs	
WSR	Warm Springs Repeater	
WSH	Washington Hill	
WCN	Washoe City	
M12A	Wells	
N13A	Wendover, West	
	Wendover	
WTCR	Whites Canyon	
WCT	Wildcat Mountain	
WLDR	Wildhorse	
L09A	Wilkinson Ranch, McDermitt	
Q12A	Willow Creek Ranch, Ely	
WI-	Winnemucca	WI-NV
WMN	Winnemucca	
WI-NV	Winnemucca	
WRN	Worthington Mountains	
YERR	Yerington	
YF4NV	Yucca Flat NTS	
YF3NV	Yucca Flat NTS	
YF2NV	Yucca Flat NTS	
YF-NV	Yucca Flat NTS	
YMT6	Yucca Mountain	
YM-NV	Yucca Mountain	
YMT4	Yucca Mountain	
YMT2	Yucca Mountain	
YMT1	Yucca Mountain	
YMT5	Yucca Mountain	
YMT3	Yucca Mountain	
FPK		
FLV		
NT2		NT2NV
NSP		
NT-		NT-NV
WHR		
New Hampshire		
BNH	Berlin	
DNH	Durham (NH)	
FNN	Franconia Notch	
FFD	Franklin Falls Dam	
HNH	Hanover	
LANH	Laconia	
LB-NH	Lebanon	
LB-	Lebanon	LB-NH
LS-NH	Lisbon	
LBNH	Lisbon	
LS-	Lisbon (USA)	LS-NH
ONH	Oakhill	
PNH	Pitcher Mountain	
NH1	Sanbornton	
WNH	Whiteface	
WBNH	Wolfeboro	
New Jersey		
BRNJ	Basking Ridge	
CNJ	Catfish Pond	
DENJ	Denville	
GMTN	Garret Mountain	
GPD	Greenpond	
LVNJ	Long Valley	
FHMC	Merrill Creek	
ABMC	Merrill Creek	
HRMC	Merrill Creek	
PFMC	Merrill Creek	
PEMC	Merrill Creek	
PDMC	Merrill Creek	
EPMC	Merrill Creek	
PMMC	Merrill Creek	
MONJ	Montclair	
MSNJ	Montclair St. U.	
OGD	Ogdensburg	
ODNJ	Ogdensburg	
PQN	Pahaquarry	
PNJ	Paterson	
PVN	Peters Valley	
PANJ	Princeton	
PRIN	Princeton	
RAMA	Ramapo Mountain	
TABN	Tabernacle	
New Mexico		
X21A	Alamocita Creek, Datil	
ABQ	Albuquerque	ALQ
W22A	Albuquerque	
ALQ	Albuquerque	
ANMO	Albuquerque	
ANTR	Antelope Ridge	
127A	Arkansas Junction, Hobbs	
U26A	Atchley Ranch, Grenville	
BRC	Barley Canyon	
BNM	Barren Site	
BMNM	Bear Mountains	
T19A	Beclabito	
123A	Bell Site, White Sands Missle Range	
227A	Bennet, Jal	
X22A	Bernardo	
BDNM	Bernardo	
BBN	Black Butte	
W27A	Bowe Ranch, Endee	
V20A	Brimhall	
CCN	Cachucha Ranch	
Y24A	Capitan	
Z26A	Caprock	
CPRX	Cap Rock	
CLNB	Carlsbad	
CLN	Carlsbad	
CLN2	Carlsbad 2	
CLN4	Carlsbad 4	
CLN6	Carlsbad 6	
CLN7	Carlsbad 7	
CBET	Carlsbad E Tower	
CRNM	Carthage	
Y27A	Causey	
CZL	Cerro Azul	
CDN	Cerro del Durazano	
CNM	Chama	
223A	Chaparral, Anthony	
U25A	Circle Dot Ranch, Maxwell	
CLP	Clara Peak	
126A	Clayton Basin, Artesia	
X25A	Clemmons Ranch, Yeso	
COH	Cochiti	
122A	Conniff Cattle Co., Rinco	
121A	Cookes Peak, Deming	
X26A	CR and CF Franklin Farms, Melrose	
DMPK	Deadman Peak	
225A	Deer Hill, Carlsbad	
DNM	Dulce	
Z22A	Elephant Butte, Truth or Consequences	
Y26A	Elida	
U23A	El Rito	
EST	Estancia	
EUM	Eureka Mesa	
X27A	F and S Farms, Texico	
FARG	Farmington	
FCN	Frijoles Canyon	
125A	Gardner Draw, Artesia	
GB-NM	Gasbuggy	
GN-	Gnome	GN-NM
GN-NM	Gnome	
GNM	Golden	
GDL2	Guadalupe Mountain	
HTMS	Hat Mesa	
Y20A	Horse Springs, Datil	
X23A	Hourglass Bar Ranch, Mountainair	
Y22C	IRIS PASSCAL Instrument Center, Socorro	
Y22D	IRIS PASSCAL Instrument Center, Socorro	
JOAQ	Joaquin Lookout	
JUM	Jug	
KT1	Kermit	
KT2	Kermit	
KT3	Kermit	
KT4	Kermit	
KT5	Kermit	
KT8	Kermit	
KT9	Kermit	
KT7	Kermit	
320A	Kipp Ranch, Antelope Well	
LCV	La Cueva	
LAZ	Ladron	
LAD	Ladron Mountain	
LJY	La Joya	
LFC	Lale Fork Canyon	
LC-	Las Cruces	LC-NM
LC-NM	Las Cruces	
W24A	Lazy 6 Ranch, Villanueva	
X24A	Lazy VL Ranch, Encino	
LENM	Lemitar	
U22A	Llaves	
LOA	Los Alamos	
LSIAR	Los Alamos Infrasonic Array Beam Reference Point	
LSI01	Los Alamos Infrasonic Array Site 1	LSIAR
LSI03	Los Alamos Infrasonic Array Site 3	
LSI04	Los Alamos Infrasonic Array Site 4	
LPM	Los Pinos Mountain	
Y23A	Lovelace Mesa, Carrizozo	
226A	Malaga, Loving	
MLM	Mesa Lucero	
Y25A	Mesa, Roswell	
221A	Mesquite Ranch, Deming	
V21A	Milan	
ML-NM	Mogollon	
ML-	Mogollon	ML-NM
U24A	Moreno Valley High School, Angel Fire	
MSA	Mount San Antonio	
MTL	Mount Taylor	
U21A	Nageezi	
T21A	Navajo Lake	
U20A	Newcomb	
NMH	New Mexico Highlands	
Z20A	Nine Sixteen Ranch, Cliff	
OTZ	Ortiz Mountain	
V23A	Ortiz Mt. (NFS), Santa Fe National Forest	
W26A	Owens Ranch, Tucumcari	
220A	Playas Peak, Playas	
Y21A	Point of Rocks Canyon, Magdalena	
X20A	Quemado	
W20A	Ramah	
V24A	Rampart Ranch, Las Vegas	
V25A	Rancho No Tengo, Wagon Mound	
RT-	Raton	RT-NM
RT-NM	Raton	
REDP	Redondo Peak	
RIO	Rio Grant	
Z23A	Rita Site, White Sands Missle Range	
Z25A	Roswell	
SPD	Saint Peter's Dome Lookout	
W21A	San Fidel	
SMNM	San Marcial	
V22A	San Miguel Ranch, Cuba	
Z24A	Sheeppen Canyon, Tinnie	
SVM	Silver City	
SRF	Snake Ranch	
Y22A	Socorro	
SNM	Socorro	
SRM	Socorro	
SBM	South Baldy	
Z21A	St. Cloud Mine, Winston	
124A	Stringfield Ranch, Weed	
Z27A	Tatum	
226B	Tecolote Peak, Malaga	
V26A	Tequesquite Ranch, Mosquero	
TSP	Tesuque Peak	
TTP	Tetilla Peak	
TC-	T or C	TC-NM
TD-	Tres Piedras	TD-NM
TD-NM	Tres Piedras	
TC-NM	Truth or Consequences (T or C)	
120A	U Bar Ranch, Lordsburg	
W23A	Werner Place, Edgewood	
WMA	West Mesa	
222A	Williams Family Ranch, Las Cruces	
WTX	Workman Tunnel	
W25A	X Bar L Ranch, Newkirk	
New York		
ADN	Adams	
RSNY	Adirondack	
ACCN	Adirondack Community College	
APH	Airport Hangar	
ALX	Alexander Bay	
ALF	Alfred	
ANNS	Annsville	
ARNY	Arden House	
ATT	Attica	

Code	Station Name	Other
ABRN	Auburn	
ASNY	Au Sable	
BGR	Bangor (NY)	
BERL	Berlin (NY)	
BING	Binghamton	
BINY	Binghamton	
BNY	Binghamton	
BRNY	Black Rk. Forest	
BML	Blue Mountain Lake	
BLMY	Blum	
BRCN	Bracie Corner	
BIPS	Buchanan	
BUF	Buffalo	
BFF	Buffalo-Larkin	
CHRY	Calls Hollow Road	
CAMB	Cambridge (NY)	
CANY	Canisius	BUF
CTNY	Carthage	
CTR	Castle Rock	
CAZE	Cazenovia	
CPNY	Central Park	
CHAU	Chaumont	
CNY	City College NY	
CLAR	Clarkstown	
CLIN	Clinton	
CONY	Cobleskill	
COSP	Cold Spring	
CSRY	Cold Spring River	
CROG	Croghan	
CRNY	Cross River	
CLY	Crystal Lake	
DANY	Dannemora	
DH-NY	Delhi	
DH-	Delhi	DH-NY
DPLY	Delli Paoli	
DP-NY	Deposit	
DP-	Deposit	DP-NY
DNY	Dersam	
DHN	Doyle Hill	
DBMY	Dunderburg Mountain	
DSN	Dusing	
EGN	Eagle's Nest	
EAN	East Aurora	
ELNV	Ellenville	
ELM	Elma	
FINE	Fine	
FRNY	Flat Rock	
FOR	Fordham	
GARN	Garrison	
GENY	Geneseo	
GERM	Germantown	
GILB	Gilboa	
GSCY	Girl Scout Camp	
GCY	Glen Cove	
GLOV	Gloversville	
GOBY	Gobbelet	
GNF	Goodnow Flow	
GFN	Grafton	
HMB	Hamburg	
HNY	Hamilton	
HAVE	Haverstraw	
HMCY	Holy Mount Cemetery	
HCNY	Howe Caverns	
INY	Ithaca	
ITH	Ithaca	
KSVO	Keeseville	
LCNA	Lacona	
LONY	Lake Ozonia	
LOZ	Lake Ozonia	
LILH	Lima (NY)	
AMNH	Manhattan	
MSNY	Massena	
MEDY	Medina	
MEDO	Medina	
MIV	Mineville/Witherbee	
NPNY	Mohonk Preserve	
MANY	Mount Airy	
MMNY	Mt. Morris Dam	
CHIP	Near Potsdam	
NCB	Newcomb	
NWC	North Woods Club	
OAK	Oakfield	
ONTR	Ontario (NY)	
OSBY	Osborn	
OSNY	Ossining	
OSWG	Oswego	
OCN	Over Castle Rock	
PRNY	Paleo Inst,Ithaca	
PAL	Palisades	
PGY	Peter Gray Mountain	
PHEL	Phelps	
PNZ	Plattsburgh	
PNY	Plattsburgh	
POTS	Potsdam Coll	
PTN	Potsdam (NY)	
PUTN	Putnam	
QLNY	Queensboro Lake	
CUNY	Queens College	
ROC	Rochester	
RMO	Rochester (NY)	
RLSP	Rockland Lake	
ROTD	Rotterdam (NY)	
SPSY	Saint Peters School	
SANY	Sanborn	
SRMY	Scherman	
SKN	Skaneateles	
SKLY	Ski Hill Lift	
SONY	Sodus	
SFN	Sterling Forest	
SFO	Sterling Forest	
STLY	Stiles	
STWA	Stillwater	
PKNY	Stone Ridge	
SPNY	Stone Ridge	
PONY	Stone Ridge	
SNPY	Stony Point	
SUFF	Suffern	
TBR	Table Rock	
TRY	Troy	
TUS	Tuscarora	
TXNY	Tuxedo	
UWL	Utowana Lake	
VCS	Vernal Corners	
WPR	Ward Pound Ridge	
WTVE	Waterville	
WGLY	Wegel	
WLI	Wellesley Island	
WCNY	West Carthage	
WCCN	Westchester CC	
WCC	Westchester Community College	
WMNY	West Monroe	
WEST	Westmoreland	
WPNY	West Park	
WVLY	West Valley	
WVNY	West Valley, New York	
WNY	Wilmington	
WND	Windham	
YSNY	Yorkshire	
JORD		
North America		
PJLM	Jolon Road	
KOFP	Korovin Flat Point	
PJC	Pensacola State College	
North Carolina		
AE-	Albemarle	AE-NC
AE-NC	Albemarle	
AVNC	Asheville	
BENN	Benn Knob	
BRBC	Blue Ridge Broadcasting Company	
BUNC	Butner	
CCNC	Camp Creek Bald	
CEH	Chapel Hill	
CHC	Chapel Hill	
CPC	Cherry Point	
CNNC	Cliffs of the Neuse	
ER319	Early Rise 319	
GFM	Grandfather Mountain	
GBNC	Greensboro	
KMSC	Kings Mountain	
RNC	Little Raleigh	
MGNC	Mount Gibbes	
MTSH	Mount Sheppard	
MYNC	Murphy	
NCAT	North Carolina A&T Campus	
PKNC	Pores Knob	
RBNC	Richland Balsam	
RICH	Rich Mountain	
SMNC	South Mountain	
TVNC	Taylorsville	
TRYN	Tryon Peak	
WSSR	Wesser Bold	
WNC	Wilmington	
WSNC	Winespring Bald	
North Dakota		
D30A	Buchanan	
E26A	Carlson Angus Ranch, Regent	
E27A	Carson	
D27A	Center	
B28A	Dugan Ranch, Towner	
D25A	Fairfield	
C25A	Freed Ranch, Watford	
B31A	Greenbush Farm, Park River	
HH2	Hannah	HH2ND
HH2ND	Hannah	
C28A	Hausauer Farms, Kief	
A30A	Hoffart Farm, Langdon	
E28A	Huff	
B26A	Jensen Ranch, Palermo	
E30A	Jud	
B25A	Knox Farm, Ray	
A27A	Ledoux Ranch, Antler	
MDND	Maddock	
D26A	Manning	
A29A	Manning Farm, Rocklake	
E25A	Miller Ranch, Amidon	
C30A	Mose, Pekin	
B30A	Myrvik Farm, Edmore	
E29A	Napoleon	
B27A	Peters Farms, Glenburn	
D29A	Pettibone, Tappen	
D28A	Regan	
A28A	Rude Farm, Bottineau	
RY-	Ryder	RY-ND
RY-ND	Ryder	
C27A	Sayler Ranch, Douglas	
A25A	Svangstu Ranch, Noonan	
TS-ND	Trotters	
TS-	Trotters	TS-ND
A26A	Wade Farm, Kenmare	
B29A	Wagenman Farm, Cando	
C26A	Wahner Farm, Parshall	
A24A	Westby	
Ohio		
ACOH	Alum Ck. St. Park	
ACSO	Alum Creek State Park	
AN1	Anna	
AN10	Anna	
AN11	Anna	
AN3	Anna	
AN4	Anna	
AN7	Anna	
AN9	Anna	
AN8	Anna	
AN12	Anna	
ACEO	Ashtabula EMA	
BCSO	Bloom-Carroll	
BHSO	Botkins High School	
BGO	Bowling Green	
BGSO	Bowling Green State University	
CCHE	Chesterland	
CNN	Cincinnati	
CSCO	Clark State Community College	
CLE	Cleveland	
CLEO	Cleveland Museum of Natural History	
COWO	College of Wooster	
CECL	East Claridon	
ECCO	Edison CC	
GZ-OH	Galion	
CGRR	Girdled Road	
KSUO	Kent State University	
LECO	Lake Erie College	
LCCO	Lakeland CC	
MVKY	Maysville	
CMEN	Mentor	
MLF	Milford	
MOSO	Mohican School	
MUCO	Mount Union College	
OGSO	Ohio Geological Survey, Columbus	
OSUO	Ohio State University	
OSLO	Ohio State University--Lima	
OSMO	Ohio State University--Mansfield	
OUAO	Ohio University	
PIOH	Piqua	
SSUO	Shawnee State University	
CTOM	Thompson	
CTHA	Thorn Acres	
UOCO	University of Cincinnati	
UTLO	University of Toledo	
UTO	University of Toledo	
WSCO	Wright State University--Celina	
WSDO	Wright State University--Dayton	
YSUO	Youngstown State University	
Oklahoma		
ACO	Alabaster Cavern State Park	
ATO	Altona	
U34A	Anderson Ranch, Garber	
AL-	Antlers	AL-OK
AL-OK	Antlers	
AP-	Apache	AP-OK
AP-OK	Apache	
V32A	Arapaho	
ADOK	Arcadia Dam	
AM-	Ardmore	AM-OK
AM-OK	Ardmore	
AK-	Atoka	AK-OK
AK-OK	Atoka	
BHO	Bethel	
BIX	Bixby	
W34A	Bridge Creek, Tuttle	
W33A	Caddo, Fort Cobb	
CCOK	Camp Classen	
CRO	Carnasaw Mountain Lookout Tower	
CDO	Cedar Creek	
OK006	Choctaw High	
CT-OK	Clayton	
CT-	Clayton	CT-OK
TUL0	Crosstimbers Borehole	
DU-OK	Durant	
DU-	Durant	DU-OK
X32A	Elmer	
GBO	Fort Gibson	
FKO	Franklin	
FNO	Franklin	
V34A	Guthrie	
OK007	Harrah City Hall	
OK003	Hefner Road	
HB-OK	Hobart	
HB-	Hobart (Okla)	HB-OK
W31A	Holland Ranch, Erick	
JCE1	John's Creek	
OK001	Jones High Sch.	
X33A	Lawton	
LNO	Leonard	
LNO2	Leonard	
LNO3	Leonard	
U33A	Lingo Farm, Meno	
V33A	Lossen Ranch, Watonga	
OK005	Luther M School	
MZO	Mazie Landing	
X31A	McDonald Ranch, Hollis	
MEO	Meers	
MFO	Meers Fault	
MRO	Meridian	
V35A	Meyer Ranch, Chandler	
U31A	Nine Bar Ranch, Gage	
NMO	Norman	
OKCFA	Oklahoma City	
OCO	Oklahoma City	
OKCSW	OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA USA	
OK004	Okla Sci Mus	
OLO	Oologah	
PKO	Pickens	
PCO	Ponca City	
QMO	Quartz Mountain	
QZO	Quartz Mountain State Park	
Y34A	Reagan Ranch, Oscar	
RRO	Red Rock Canyon	
RLO	Rose Lookout	
W32A	Sentinel	
SCE1	Shell Creek	
SIO	Slick	
X34A	Smith Ranch, Marlow	
OK008	Spencer City Hall	
V31A	Spring Creek Lake, Blk. Kettle Nat Grslnd	
TO-OK	Tishomingo	
TO-	Tishomingo	TO-OK
TUL	Tulsa	
TUL1	Tulsa	
TSO	Tulsa	
UYO	Union Valley	
VVO	Vivian	
WA-	Watson	WA-OK
WA-OK	Watson	
WMOK	Wichita Mountains	
WMO	Wichita Mountains Array	
OK002	Wilshire Harrah	
WLO	Wilson	
U32A	Winter Ranch, Mooreland	
U30A	WK&E Inc. Balko	
Oregon		
AOT	Adel	
L07A	Adell	
ALST	Alston	
ALVY	Alvey	
ALO	Ashland	
BPO	Bald Peter	
VBPM	Bald Peter	
BT-	Bates	BT-OR
BT-OR	Bates	
F10A	Beach Ranch, Enterprise	
VBEM	Beaver Butte	
I05A	Bend	
BEND	Bend	
BROR	Big Rock Lookout	
G10A	Bishop Farm, Joseph	
BKCOR	Black Crater	
BMO	Blue Mountains Array	
KBO	Bosley Butte	
BUCK	Buck Mountain	
BULL	Bull Run Dam	
BURN	Burns	
BUOR	Burton Butte	
BBOR	Butler Butte	
CHOR	Cabbage Hill	
G06A	Carlson Farm, Grass Valley	
L02A	Cave Junction	
VCMM	Chase Mountain	
K04A	Chilquin	
J06A	Christmas Valley	
J08A	Circle Bar Ranch, Crane	
COLT	Colton High School	
COR	Corvallis	
G09A	Cove	
KR-OR	Crane	
KR-	Crane	KR-OR
VCLM	Crater Lake	
CROR	Criterion Ridge	
H04A	Detroit Lake	
DBO	Dodson Butte	
I08A	Drewsey	
H09A	Durkee	
KEBM	Edson Butte	
I03A	Eugene	
EUO	Eugene	
EYES	Ewing Young ES, Newberg ANSS-SMO	
FBO	Farmers Butte	
L08A	Fields	
VFP	Flag Point	
J05A	Fort Rock	
FMC	Four Mile Canyon	
VFBM	Frederick Butte	
FRIS	Frissel Point	
J09A	Fry Pan Ranch, Harper	
K02A	Glendale	
VGTM	Goat Mountain	
GT2	Goat Mountain	
VGB	Gordon Butte	
VGBM	Gordon Butte	VGB
VGMM	Grass Mountain	
VGPM	Green Peter	
PGO	Gresham	
GROR	Grindstone Mountain	
GMO	Grizzlie Mountain	
HAMO	Hamaker Mountain	
VHBM	Hamelton Butte	
HSO	Harness Mountain	
HAO	Harrison Substation	
HRO	Hermiston	
VHHM	High Heaven	
J07A	Hines	
HMO	H. Mason	
HOG	Hogback Mountain	
VHEM	Hood Meadows East	
VHYM	Horsefly Mountain	
HBO	Huckleberry Mountain	
HUMO	Hull Mountain	
HUOR	Husband	
J03A	Ideyld Park	
IRO	Indian Ridge	
VIPM	Ingram Point	
I07A	Izee	
VJYM	Jersey	
JBO	Jordan Butte	
JORV	Jorden Valley SMO	
KEEL	Keeler	
KMOR	Kings Mountain	
L04A	Klamath Falls	
KFO	Klamath Falls	
KFAL	Klamath Falls	
LGOR	La Grande	
LKVW	Lakeview	
L05A	Lakeview	
H07A	Lands Inn, Kimberly	
LANE	Lane BPA Site-SMO	
VLMM	Larch Mountain	
VLL	Laurance Lake	
LIME	Lime	
LNOR	Lincton Mountain	
H06A	Lindquist Farm, Mitchell	
LAB	Little Aspen Butte	
I09A	Lost Marbles Ranch, Westfall	
K10A	MacKenzie Ranch, Jordan Valley	
H05A	Madras	
K08A	Mann Creek Ranch, Princeton	
I02A	Mapleton	
MRIN	Marion BPA Site DOGAMI SMO	
MPOR	Mary's Peak	
VMNM	Maupin	
MFW	Milton-Freewater	
MOD	Modoc	
MONO	Monmouth DOGAMI SMO	
MOON	Moon Mountain	
VMHM	Mount Hagen	
HEBO	Mount Hebo	
VHOM	Mount Hebo	
HOOD	Mount Hood Meadows	
G04A	Mulino	
NCOR	Newberry Crater	
NEWO	Newport DOGAMI SMO	
NLO	Nicolai Mountain	
PERL	Pearl BPA Site DOGAMI SMO	
PT-	Pendleton	PT-OR
PT-OR	Pendleton	
PNO	Pendleton	
F08A	Pendleton	
G08A	Pilot Rock	
PK-OR	Pilot Rock	
PK-	Pilot Rock	PK-OR
PN-OR	Pine Creek	
PN-	Pine Creek	PN-OR
PINOR	Pine Mountain	
VPIM	Pine Mountain	
PMT	Pine Mountain	
PINE	Pine Mountain Observatory	
PTD	Portland	
H08A	Prairie City	
PRLK	Prince Lake	
I06A	Prineville	
VRC	Rainbow Creek	
K07A	Rock Creek Ranch, Frenchglen	
RBO	Rocky Butte	
RNO	Roman Nose	
K09A	Rome	

Code	*Station Name*	*Other*
VRBM	Round Butte Dam	
G07A	Ruggs Ranch, Heppner	
F09A	S2 Ranch, Elgin	
VPMM	Saint Patrick Mountain	
VSMM	Salem	
VSCM	Scott Mountain	
F03A	Seaside	
SEAS	Seaside SMO	
SA-OR	Seneca	
SA-	Seneca	SA-OR
K01A	Sixes	
KSCM	Snow Cap Mountain	
H03A	Soap Creek Ranch, Albany	
SOUA	Southern Oregon Univeristy DOGAMI SMO	
SR-OR	Sparta	
SR-	Sparta	SR-OR
VSP	Spence Mountain	
VSBM	Spring Butte	
K05A	Summer Lake	
SSOR	Sweet Springs	
TAKO	Tahkenitch	
I04A	Tendick Farm, Oakridge	
VTDM	The Dalles	
TCO	Three Creek Meadows	
WIFE	Three Sisters--Wife	
TIMB	Timberline	
H02A	Toledo	
TOLO	Toledo BPA CREST BB SMO	
TDH	Tom, Dick, Harry Mountain	
TKO	Trask Mountain	
TPOR	Trinity Point	
VTHM	Trough	
TCBU	Trout Butte	
VTCM	Trout Creek Butte	
UK-	Ukiah	UK-OR
UK-OR	Ukiah	
J02A	Umpqua	
UMPQ	Umpqua Community College DOGAMI SMO	
J04A	Umpqua National Forest, Toketee	
K06A	Valley Falls	
VT-	Venator	VT-OR
VT-OR	Venator	
VWMM	Walker Mountain	
G05A	Wamic	
VWBM	Wanoga Butte	
WPO	West Portland	
WMOR	Whale Back Mountain	
WVOR	Wild Horse Valley	
G03A	Yamhill	
Pennsylvania		
ABG	Abington	
ALLY	Alegheny College	
ATPA	Allentown	
AS-PA	Altoona	
BVR	Beaver	
BD-	Bedford	BD-PA
BD-PA	Bedford	
BV-	Belleville	BV-PA
BV-PA	Belleville	
BR-PA	Berlin	
BR-	Berlin (Penn)	BR-PA
BB-PA	Bloomsburg	
BB-	Bloomsburg	BB-PA
DCP	Dickinson College	
ER300	Early Rise 300	
ER301	Early Rise 301	
ER302	Early Rise 302	
ER303	Early Rise 303	
ERPA	Erie	
ERP	Erie	
FMPA	Franklin College	
GT-	Galeton	GT-PA
GT-PA	Galeton	
HKP	Hidden Lake	
HD-PA	Howard	
HD-	Howard	HD-PA
KSPA	Keystone College	
KTZ	Kutztown	
LUPA	Lehigh University	
LT-PA	Lewistown	
LT-	Lewistown	LT-PA
MR-	Middleburg	MR-PA
MR-PA	Middleburg	
MVL	Millersville	
MS-PA	Montrose	
MS-	Montrose	MS-PA
NKP	New Kensington	
WRPS	Penn State University	
PSWB	Penn State Wilkes-Barre	
PSUB	Penn St. - Brandywine Campus	
PAGS	Pennsylvania Geol. Surv.	
PHI	Philadelphia	
PIT	Pittsburgh	
PJ-PA	Pottstown	
SH-	Shamokin	SH-PA
SH-PA	Shamokin	
SSPA	Standing Stone	
SCP1	State College	
SCP	State College	
SSL	Sunset Lake	
TUPA	Temple University, Ambler	
TU-	Tunkhannock	TU-PA
TU-PA	Tunkhannock	
UPAO	U. Pittsburgh - Allegheny Obs.	
WAY	Waynesburg	
CMPA		
Rhode Island		
LAF	Lafayette	
South Carolina		
ADSC	Addlestone Acy	
BCS	Baptist College of Charleston	
BOW	Bowman	
CHF	Calhoun Falls	
CCS	Cawcaw Swamp	
CSU	Charleston Southern University	
SCCK	Coley Creek	
CSC	Columbia	SVC
COW	Cow Castle Creek	
CFS	Cross Fire Station	
DRC	Dorchester	
FMF	Francis Marion National Forest	
GVS	Graniteville	
HBF	Harts Bluff	
HWD	Hollywood	
JSC	Jenkinsville	
JVW	Jocassee View	
LHS	Liberty Hill	
MGS	Middleton Gardens	
MKC	Moncks Corner	
MTT	Monetta	
MR01	Monticello Reservoir Site 1	
MR10	Monticello Reservoir Site 10	
MR02	Monticello Reservoir Site 2	
MR03	Monticello Reservoir Site 3	
MR04	Monticello Reservoir Site 4	
MR05	Monticello Reservoir Site 5	
MR06	Monticello Reservoir Site 6	
MR07	Monticello Reservoir Site 7	
MR08	Monticello Reservoir Site 8	
MR09	Monticello Reservoir Site 9	
MMCS	Mount Moriah Church	
ZIN	Mount Zion Church	
NHSC	New Hope	
NHS	North Hampton	
VEW	Oceanview	
OSB	Orangeburg	
OSC	Orangeburg	
PRM	Parsons Mountain	
PPS	Pierpont	
PBS	Pigeon Bay	
PBF	Porcher Bluff	
RGRS	Roger Stewart	
ROW	Rowesville	
SGS	Saint George	
SRPN	Savannah River	
SRPW	Savannah River	
SRPD	Savannah River	
SBK	Seabrook	
SMMS	Six Mile Mountain	
SVS	Slandsville	
SMSC	Smeltzer Mountain	
SMA	Summerton	
C1SC	The Citadel Site 1	
C2SC	The Citadel Site 2	
TWB	Tillmans-Whites Bay	
TRSC	Trident Resrch Ctr	
TRK	Turkey Creek	
VSC	Varnville	
VRN	Varnville	
WSS	West Ashley	
WMS	West Middle School	
BG3		
South Dakota		
AY-	Academy	AY-SD
AY-SD	Academy	
J28A	Allard Ranch, Norris	
RSSD	Black Hills	
F25A	Bowman	
CO-	Colome	CO-SD
CO-SD	Colome	
J30A	Dallas	
DL-	Dell Rapids	DL-SD
DL-SD	Dell Rapids	
G27A	Dupree	
EBS	Eagle Butte	
J27A	Elkhorn Farm, Martin	
ECSD	EROS Data Center, Sioux Falls	
F29A	Eureka	
H26A	Fairpoint	
G30A	Faulkton	
H25A	Fruitdale	
G29A	Hoven	
H27A	Howes	
LEA	Lead	
F27A	Lemmon	
F30A	Leola	
F26A	Lodgepole	
G26A	Maurine	
F28A	McLaughlin	
I28A	Midland	
BRSD	Miller	
H28A	Mission Ridge	
MC-	Mitchell	MC-SD
MC-SD	Mitchell	
G25A	Newell	
I26A	New Underwood	
I30A	Oacoma	
J29A	Okreek	
H29A	Onida	
G28A	Parade	
I27A	Quinn	
RCD	Rapid City	
RG-SD	Redig	
RG-	Redig	RG-SD
I25A	Rochford	
SX-SD	Salem	
SX-	Salem	SX-SD
J26A	Sides Ranch, Smithwick	
SUSD	South Dakota State University	
SY-	Stickney	SY-SD
SY-SD	Stickney	
J25A	Sunshine Ranch, Edgemont	
I29A	Vivian Onida	
WN-	Winner	WN-SD
WN-SD	Winner	
Tennessee		
ANTN	Anderson	
ACTN	Antioch Church	
ARPT	Arp	
ABTN	Auburntown	
ASTN	Avondale Springs	
BCRT	Bacon Ridge	
BSPT	Big Springs	
BFMT	Birchfield Mountain	
BHT	Blowhole	
BBTN	Blue Bank Bayou	
BRTN	Brown Mountain	
BKHT	Bunker Hill	
CA-TN	Caryville	
CA-	Caryville	CA-TN
CV-TN	Centerville	
CV-	Centerville	CV-TN
CUET	Cent US Eq Cons	
CBHT	Chr Bro Hi School	
CBT	Christianburg	
CHTN	Church Hills	
CSPT	Cold Springs	
COTN	Columbia	
CRTN	Comb Ridge	
CPCT	Cooper Cave	
CVTN	Covington	
CCRT	Cow Camps Rge	
CS-TN	Crossville	
CS-	Crossville	CS-TN
CGTN	Cumberland Gap	
CPO5	Cumberland Plat.	CPOT
RSCP	Cumberland Plateau	
CPOT	Cumberland Plateau	
CPO	Cumberland Plateau	
CP-SO	Cumberland Plateau Observatory	
DYTN	Dayton	
DCT	Ducktown	
DRTN	Dyersburg	
DY1	Dyersburg	
EBZ	Ebenezer Church	
EDIT	Edith	
ETT	Etowah	
FGTN	Flat Gap	
FLPT	Flippin	
FPST	Four Points	
GLT	Gallatin	
GLAT	Glass	
GRT	Gratio	
GBTN	Greenback	
GRBT	Greenback	
GTTN	Green Top	
HALT	Halls	
HDBT	Hernando Brdge	
HOPT	Hopper	
HHT	Hurricane Hollow	
JS-	Jackson	JS-TN
JS-TN	Jackson	
HPKT	Knoxville	
LF-	La Follette	LF-TN
LF-TN	La Follette	
DY2	Lassiter	
LTN	Lennox	
LNXT	Lenox	
LE-	Lewisburg	LE-TN
LE-TN	Lewisburg	
LMTN	Little Mountain	
LRKT	Look Rock	
MX-TN	Manchester	
MX-	Manchester	MX-TN
MVLT	Maryville	
MM-	McMinnville	MM-TN
MM-TN	McMinnville	
MPH	Memphis	
MET	Memphis--Engineering Building	
MILT	Milan	
MLNT	Millington	
MFTN	Millsfield	
MIST	Miston	
MOTN	Model	
NKT	Nankipoo	
NATN	Natchez Trace	
NAIN	Natchez Trace	
DY5	Near Lassiter	
NAIT	NWS Agricenter	
OKG	Oak Grove	
ORT	Oak Ridge	
OGTN	Old Graveyard	
ONTN	Oneida	
OHTN	Owl Hoot	
PB-TN	Parsons	
PB-	Parsons	
PDTN	Piedmont	
RALT	Raleigh	
RHT	Red Hill	
RDST	Rhodes College	
RCT	Riceville	
DY4	Samburg	
SHTN	Sandy Hook	
SWTN	Sewanee	
SWET	Sewanee	
SFTN	Shelby Forest	
SMTN	Short Mountain	
SLTN	Sullivan	
GILT	SW Tenn Gill Cnt	
TZTN	Tazewell	
TLT	Tellico Plains	
TCT	Tennessee City	
TIPT	Tiptonville	
DY3	Tiptonville	
TSTN	Townsend	
TQTN	Tranquillity	
TKL	Tuckaleechee Caverns	
UGRT	Union Grove	
UTMA	University of Tennessee at Martin	
UTM	University of Tennessee at Martin	
UTMT	University of Tennessee at Martin	
VHTN	Van Hill	
WT-TN	Wartburg	
WT-	Wartburg	WT-TN
WVT	Waverly	
WMTN	White Oak Mountain	
HDAR	W Memph W Sta	
WYBT	Wynnburg	
ZZT	Zu Zu	
Texas		
ABTX	Abilene, Hawley	
AZ-TX	Amarillo	
AZ-	Amarillo	AZ-TX
AMTX	Amarillo	
W29A	Amraillo	
433A	Art	
ATX	Austin	
AUS	Austin	
430A	Baggett Ranch, Ozona	
BM-	Balmorhea	BM-TX
BM-TX	Balmorhea	
327A	Balmorhea Ranch, Pecos	
536A	Bastrop	
BUTX	Baylor University	
325A	Bean Ranch, Sierra Blanca	
835A	Beeville	
934A	Benavides	
626A	Big Bend Ranch, Presidio	
628A	Black Gap, Marathon	
534A	Blanco	
MT1	Boracho Peak	
MT4	Brite Ranch	
340A	Bronson	
231A	Bronte	
229A	Bryant Ranch, Stanton	
139A	Bunkhouse Ranch, Marshall	
434A	Burnet	
326A	Caldwell Ranch, Toyah	
CGTX	Campo Grande	
128A	Castleberry Farm, Seminole	
439A	Center Grove, Livingston	
337A	Centerville	
V28A	Channing	
833A	Chaparral WMA, Artesia Wells	
CEC	Childress 1	
CNE	Childress 2	
CNO	Childress 3	
CNW	Childress 4	
CSE	Childress 5	
CSW	Childress 6	
CWT	Childress 7	
634A	China Grove, San Antonio	
736A	Circle Diamond K Ranch, Victoria	
234A	Clairette	
X30A	Coker Ranch, Turkey	
232A	Coleman	
Z34A	Collier Ranch, Chico	
CMTX	Cooper Mountain	
224A	Cornudas Mountain, Dell City	
MNTX	Cornudas Mountains	
528A	Cox Ranch, Sanderson	
W30A	Crocket Farms Inc., Mclean	
338A	Crockett	
539A	Cross D Ranch, Liberty	
535A	Dale	
DLS	Dallas	
DAL	Dallas	
V27A	Dan Oppiter Farms, Dalhart	
429A	Davenport Ranch, Sheffield	
DNT	Denton	
X28A	Dimmitt	
733A	Divot King Ranch, Dilley	
EF-	Eagle Flat	EF-TX
EF-TX	Eagle Flat	
637A	Eagle Lake	
MT2	Eagle Mountain	
EO2TX	Elmo	
EP-TX	El Paso	
EP-	El Paso	EP-TX
EPT	El Paso	
035A	Encino	
136A	Ennis	
832A	Faith Ranch, Carrizo Springs	
738A	Farr-Stevens Ranch, Sargent	
FMTX	Flower Mountain	
SFTX	Fort Shafter	
FO-	Fort Stockton	FO-TX
FO-TX	Fort Stockton	
FRTX	Fuller Ranch	
GL-	Garland	GL-TX
GL-TX	Garland	
239A	Gary	
GA3TX	Grand Saline	
GA-TX	Grand Saline	
GA2TX	Grand Saline	
GV-	Grapevine	GV-TX
GV-TX	Grapevine	
537A	Green Hill Farm, Brenham	
GRI*	Grit	GR1TX
GR2	Grit	GR2TX
GR2TX	Grit	
GR1TX	Grit	
133A	Hamilton Ranch, Breckenridge	
035Z	Hargill	
538A	Harpers Horsepen, Conroe	
Z32A	Haskell	
427A	Hayter Ranch, Fort Stockton	
034A	Hebbronville	
HE-	Hempstead	HE-TX
HE-TX	Hempstead	
137A	Heron Place, Grans Saline	
Y33A	Hilltop Ranch, Iowa Park	
HKT	Hockley	
HOU	Houston	
HET	Houston--Electro-Tech	
Z29A	Hungry Hill Ranch, Wilson	
339A	Huntington	
425A	Indio Mountain, Van Horn	
238A	Jacksonville	
435B	Jarrell	
435A	Jarrell	
530A	J-C Ranch, Comstock	
734A	JLa Parita Creek, ourdanton	
JRTX	Jordan Ranch	
JCT	Junction City	
JU-	Juno	JU-TX
JU-TX	Juno	
236A	Katherine and Luke Keathley, Corsicana	
735A	Kenedy	
KIE	Kermit	
KIT	Kermit	
KKT	Kermit	
KME	Kermit	
KM2	Kermit	
KM3	Kermit	

Code	Station Name	Other
KM6	Kermit	
KM9	Kermit	
KTE	Kermit	
KTT	Kermit	KIT
KTX	Kermit	
KM5	Kermit	
533A	Kerrville	
428A	Kincaid Ranch, Fort Stockton	
KVTX	Kingsville	
440A	Kirbyville	
LTX	Lajitas	
TXAR	Lajitas Array Beam Reference Point	
TX10	Lajitas Array Site 10	
TX02	Lajitas Array Site 2	
TX03	Lajitas Array Site 3	
TX04	Lajitas Array Site 4	
TX05	Lajitas Array Site 5	
TX06	Lajitas Array Site 6	
TX07	Lajitas Array Site 7	
TX08	Lajitas Array Site 8	
TX09	Lajitas Array Site 9	
TX31	Lajitas Ar. Site	
TX00	Lajitas Ar. Site	
LTB3	Lajitas B3	TX04
WHTX	Lake Whitney	
LP-	La Pryor	LP-TX
LP-TX	La Pryor	
933A	Laredo	
732A	Laxson Ranch, Crystal City	
635A	Leesville	
334A	Lometa	
LUB	Lubbock	
U28A	Mallet	
MTX	Marathon	
526A	Mary Lane Ranch, Marfa	
138A	Matatall Enterprise, Big Sandy	
MOT3	McDonald Obs.	
MOT4	McDonald Obs.	
MOT1	McDonald Obs.	
MOT2	McDonald Obs.	MT2
MOT	McDonald Observatory	
426A	McDonald Observatory, Fort Davis	
Y28A	McKinney Farm, Littlefield	
432A	Menard	
330A	Mertzon	
MSUEL	Midwestern State University	
MT3	Miller Ranch	
332A	Millersview	
335A	Moody	
324A	Moseley Ranch, Sierra Blanca	
MSTX	Muleshoe	
NATX	Nacogdoches	
NSLM	New Salem	
936A	North Padre Island, Corpus Christi	
U29A	Oasis Ranch, Spearman	
Z35A	Perchaven, Sanger	
631A	Perdido Creek Ranch, Del Rio	
437A	Phaontom Ranch, North Zulch	
RFTA	Plano	
Y29A	Porterfield Farm, Petersburg	
737A	Port Lavaca	
PO-TX	Post	
PO-	Post	PO-TX
PRST	Prospect	
Y31A	Rekieta Farm, Paducah	
333A	Richland Springs	
336A	Riesel	
233A	Rising Star	
131A	Roby	
532A	Rocksprings	
531A	Rocksprings	
Y32A	R-V Farms, Vernon	
633A	Saathoff Ranch, Hondo	
438A	Sam Houston State University, Huntsville	
331A	San Angelo	
SA2TX	San Angelo	
SA4TX	San Angelo	
SA2	San Angelo	SA2TX
SA4	San Angelo	SA4TX
SS-	Sanderson	SS-TX
SS-TX	Sanderson	
Z30A	Sanderson Ranch, Post	
SJ-TX	San Jose	
SJ-	San Jose (USA)	SJ-TX
SM-	Seymour	SM-TX
SM-TX	Seymour	
SK-	Shamrock	SK-TX
SK-TX	Shamrock	
Z31A	Sharp Cattle Ranch, Aspermont	
SB1	Sierra Blanca Array Site 1	
SB2	Sierra Blanca Array Site 2	
SB3	Sierra Blanca Array Site 3	
636A	Smothers Creek Ranch, Hallettsville	
130A	Snyder	
431A	Sonora	
V30A	Spur Ranch, Miami	
Y30A	Stafford Cattle Company, Roaring Springs	
230A	Sterling City	
529A	Stev Forest Ranch, Sanderson	
129A	Stewart Farms, Lamesa	
V29A	Stinnett	
ST2TX	Streeter	
ST4	Streeter	ST4TX
ST1TX	Streeter	
ST4TX	Streeter	
ST2	Streeter	ST2TX
ST1	Streeter	ST1TX
627A	Terlingua Ranch, Terlingua	
U27A	Thompson Grove	
834A	Tilden	
TTX	Tres Cuevas	
Z28A	Tucker Farm, Meadow	
X29A	Tulia	
228A	UT Block 9, Goldsmith	
632A	Uvalde	
W28A	Vega	
135A	Vickery Place, Crowley	
540A	Vidor	
329A	Wagon Wheel Ranch, Midkiff	
436A	Wall Ranch, Gause	
237A	Washetta, Montalba	
Z33A	Whitaker Ranch, Olney	
134A	White-Moore Ranch, Lipan	
WP-TX	Wills Point	
527A	Woodward Ranch, Alpine	
328A	Wristen Ranch, Grandfalls	
ZAV	Zavalia	
CCUT	Cedar City	
EVIN	Evansville	
HAIL	Harrisburg (Southeastern Illinois College)	
LTL	Livingston	
OLIL	Olney	
Utah		
AAU	Alta	
AMF	American Fork	
ANU	Antelope Island	
ARUT	Antelope Range	
ARGU	Argyle Ridge	
BAP	Bailey Peak	
BTU	Barney Top	
P13A	Bates Ranch, Gandy	
BCU	Bear Canyon	
BHUT	Beaver	
BVK	Beaver Lake	
BKU	Beaver Lake Mountains	
BDU	Big Dutch Hollow	
BGU	Big Grassy Mountain	
BIU	Bingham Canyon	
BMUT	Black Mountain	
S17A	Black Ridge (BLM), Bullfrog Basin	
BX-	Blanding	BX-UT
BX-UT	Blanding	
BHU	Blowhard Mountain	
BCE	Book Cliffs East	
BPU	Bountiful Peak	
BCUT	Brigham City	
BYU	Brigham Young University	
BRUT	Bromley	
BBUT	Bumble Bee	
P17A	Butcher Ranch, Price	
CTU	Camp Tracy	
CWU	Camp Williams	
R18A	Canyonlands National Park, Moab	
Q16A	Castle Valley Ranch, Emery	
CVH	Cedar City	
CCU	Cedar City	
S14A	Cedar City	
IAE	Cedar City, Iron County	
CCPU	Cedar City Park	
CVE	Cedar Cove	
CMU	Cedar Mountain	
CPU	Coon Peak	
CFU	Cove Fort	
R19A	Curley Farm, La Sal	
DAU	Daniels Canyon	
DCU	Deer Creek Reservoir	
DBD	Des Bee Dove	
P14A	Drum Mountains (BLM), Topaz	
DWU	Dry Willow Peak	
DCM	Dugout Coal Mine	
DUG	Dugway	
EPU	East Promontory	
ETU	East Traverse Mountains	
ELU	Electric Lake	
EMUT	Emma Park	
FM-	Fillmore	FM-UT
FM-UT	Fillmore	
Q15A	Fillmore	
FSU	Fish Springs	
FGU	Flaming Gorge	
FLA	Flat	
FLU	Fool Peak	
FDU	Ford Ridge	
P16A	Fountain Green	
FPU	Francis Peak	
GRD	Gardner Farm	
GMU	Granite Mountain	
N14A	Grayback Hills BLM, Clive	
GZU	Grizzly Peak	
GSUT	Gun Site Peak	
HLJ	Hailstone	
R17A	Hanksville Airport, Hanksville	
HVU	Hansel Valley	
HRUT	Hardware Ranch	HWUT
HWUT	Hardware Ranch	
S19A	Harvey Farm, Monticello	
HEB	Heber	
HMU	Henry Mountain	
O13A	Hicks Ranch, Ibapah	
Q19A	Hogan Spring (BLM), Cisco	
HRU	Hogsback Ridge	
HFSU	Holladay Fire Station, Holladay, Utah	
S13A	Holt Ranch, Enterprise	
HONU	Honeyville	
HCU	Horse Canyon	
HTU	Hoyt Peak	
M16A	Huntsville	
T14A	Hurricane	
HHS	Hurricane	
S18A	Hurst Farm, Blanding	
HDU	Hyde Park	
ICU	Indian Springs Canyon	
IMU	Iron Mountain	
R14A	James Farms, Milford	
N19A	John Jarvie Ranch (BLM), Flaming Gorge	
JLU	Jordanelle	
R15A	Junction	
KEUT	Kanab	
KN-UT	Kanab	
KN-	Kanab	KN-UT
KNB	Kanab	
KLJ	Keetly	
KDUT	Kidman Hollow	
LDJ	Lady	
LMUT	Lake Mountain	
LMU	Lake Mountain	
LSU	Lake Shores	
N18A	Larsen Ranch, Manila	
M15A	Larsen Ranch, Promontory	
P15A	Leamington	
LDS	Leeds	
LEE	Leeds	
LEVU	Levan	
LVU	Levan Peak	
LCMT	Little Creek Mountain	
LHUT	Little Humpy Peak	
LTU	Little Mountain	
LOG	Logan	
LBUT	Lower Browns Hole	
LWA	Lower Mag Wash	
LSUT	Lucky Star	
MWA	Mag Wash	
MPU	Maple Canyon	
MSU	Marysvale	
MVU	Marysvale	
MGU	Meadow Creek Golf Course	
T18A	Mexican Hat	
MHD	Mile High Drive	
MNU	Milford North	
O19A	Miners Draw (BLM), Jensen	
MMU	Miners Mountain	
MBUT	Moab	
N17A	Moffit Pass	
MCU	Monte Cristo Peak	
MTUT	Morton Thiokol	
MOUT	Mount Ogden	
MTPU	Mount Pierson	
NAIU	Northern Antelope Island	
NLU	North Lily Mine	
NMUT	North Mineral Mountain	
NOQ	North Oquirrh Mountains	
NSU	North Stansbury	
OGU	Ogden Bay	
R13A	O'Grain Ranch, Modena	
OWUT	Old Woman Plateau	
OPL	Opal Mound	
PST	Pasture Canyon	
PBU	Perry Basin	
PSUT	Pine Spring	
PKCU	Pink Cliffs	
PUU	Piute Reservoir	
PCY	Pole Canyon	
PTU	Portage	
P18A	Preston Nutter Ranch, Sunnyside	
PCU	Price	
PPU	Promontory Point	
Q18A	Rafter H Ranch, Green River	
RMU	Rainbow Monument	
RBU	Red Butte Canyon	
T15A	Red Dirt Ranch, Kanab	
RDMU	Red Mountain	
RSUT	Red Spur Mountain	
N16A	Rees Ranch, Coalville	
PEUT	Richfield	
RVUT	Riverside	
ROA	Roan Cliffs	
O17A	Robinson Place, Fruitland	
O18A	Roosevelt	
RHU	Roosevelt Hot Springs	
RPF	Rose Park Fire Station, Salt Lake City, UT	
RCJ	Ross Creek	
T13A	Saint George	
WDO	Saint George	
SGIAR	Saint George Infrasonic Array Beam Reference Point	
SGI01	Saint George Infrasonic Array Site 1	SGIAR
SGI02	Saint George Infrasonic Array Site 2	
SAU	Saltair	
SLC	Salt Lake City	
SRU	San Rafael	
SCUT	Santa Clara	
SNQU	Santaquin	
SUU	Santaquin Canyon	
Q14A	Sevier Lake (BLM), Delta	
SCU	Sheep Canyon	
M14A	Sheep Mountain BLM, Rosette	
SZCU	Shurtz Canyon	
SNO	Snow College	
AIUT	Southern Antelope Island	
SAIU	Southern Antelope Island	
SPUT	South Promontory Point	
O16A	Springville	
SQU	Squaw Peak	
SBU	Stansbury Island	
N15A	Stansbury Island BLM, Grantsville	
SNU	Stansbury North	
SNUT	Stansbury North	
SGU	Sterling	
SGSU	St. George Fire Station	
SUN	Sunnyside	
SMU	Sunnyside Mine	
R16A	Teasdale	
O15A	The Old Anderson's Place, Rush Valley	
TCRU	Three Creeks Reservoir	
TCUT	Toone Canyon	
TMUT	Trail Mountain	
UBO	Uinta Basin Array	
CAPU	Utah State Capitol	
VNL	Vernal	
VN-UT	Vernal	
VN-	Vernal	VN-UT
VLU	Vernal	
WW-UT	Wah Wah Mountains	
WW-	Wah Wah Mts	WW-UT
WCO	Washington City	
REUT	Washington Fields	
WBC	Weber Canyon	
WVUT	Wellsville	
S16A	Weppner Ranch, Escalante	
WTU	Western Traverse Mountains	
WMUT	West Mountain	
WMU	West Mountain	
Q13A	Wheeler Ranch, Garrison	
WHU	Wild Horse	
WLD	Wild Horse Canyon	
WLJ	Wildlife	
WCU	Willow Creek	
ZNPU	Zion National Park	
Vermont		
BLVT	Baltimore	
BUR	Burlington	
COV	Colchester	
DVT	Derby	
FLE	Fletcher	FLET
FLET	Fletcher	
HBVT	Hinesburg	
IVT	Ira	
MARL	Marlboro	
MDV	Middlebury	
MGVT	Montgomery	
MPVT	Montpelier	
NRT	Northfield	
VT1	Waterbury	
Virginia		
BV1	Bath County 1	
BV2	Bath County 2	
BV3	Bath County 3	
BV4	Bath County 4	
BI-VA	Big Stone Gap	
BI-	Big Stone Gap	BI-VA
BAV	Blacksburg	
BLA	Blacksburg	
CLT	Charlottesville	
CTV	Charlottesville	
CVV	Charlottesville	CVL
CVVA	Charlottesville	
CVL	Charlottesville	
CI-VA	Clintwood	
CI-	Clintwood	CI-VA
CNV	Corbin	CBN
CBN	Corbin	
CCVA	Cudjo Caverns	
CG-VA	Cumberland Gap	
CG-	Cumberland Gap	CG-VA
ER308	Early Rise 308	
ER309	Early Rise 309	
ER310	Early Rise 310	
ER311	Early Rise 311	
ER312	Early Rise 312	
ER313	Early Rise 313	
ER314	Early Rise 314	
ER315	Early Rise 315	
ER316	Early Rise 316	
ER317	Early Rise 317	
ER318	Early Rise 318	
FRV	Farmville	
FTV	Front Royal	
GSR	Geological Survey, Reston	
GHV	Goochland	
GD-	Grundy	GD-VA
GD-VA	Grundy	
HBV	Harrisonburg	
JSRW	J. Sargeant Reynolds Community College	
KMV	Keen Mountain	
LEX	Lexington	
NAV	Narrows	
NA12	North Anna	
NA2	North Anna	
NA5	North Anna	
NA11	North Anna	
NV1	North Anna 1	
NV2	North Anna 2	
NV3	North Anna 3	
NV4	North Anna 4	
NV5	North Anna 5	
NV6	North Anna 6	
NV7	North Anna 7	
PBV	Petersburg	
PLVA	Point Lookout	
VWV	Potts Mountain	
ELN	Prospectdale	
PUV	Pulaski	
RCRC	Randolf College Riding Center, Lynchburg	
SU-	Schuyler	SU-VA
SU-VA	Schuyler	
URVA	University of Richmond	
VBV	Virginia Beach	
VWCC	Virginia Western Community College	
WMV	Walker Mountain	
Washington		
ALCT	Alcott Elementary School	
ALKI	Alki Wastewater Plant ANSS-SMO	
APW	Alpha Peak	
ALD	Alter Ridge	
F04A	Amboy	
ATES	Arlington Trafton Elementary School	
ACES	Army Corps of Engineers Seattle ANSS	
APM	Augspurger Mountain	
BDG	Badger Mountain	
BABE	Bainbridge School	
BLH	Bald Hill	
BFW	Baw Faw Mountain	
BLL	Bellingham	
RBEN	Benson Hill Elementary School	
BENWA	Benson Ranch	
BVW	Beverly	
BLTW	Bickleton	
BRVW	Black Rock Valley	
BW-	Blewett	BW-WA
BW-WA	Blewett	
BLN	Blyn Mountain	
BEVT	Boeing Everett	
BSFP	Boeing Fire Protection	
BMW	Boistfort Mountain	
C04A	Brinnon	
BRKS	Brookside Elementary School	
B05A	Bryant	
MURR	Camp Murray	

Code	*Station Name*	*Other*
CPW	Capitol Peak	
CC-WA	Cascade Tunnel	
CDFW	Cedar Flats	
CDMR	Cedar Moraine	
CBW	Chelan Butte	
CBSW	Chelan Butte South	
B10A	Chitwood Farm, Usk	
C09A	Chrisman Ranch, Davenport	
D06A	Cle Elum	
KDKW	Coast Env Seattle	
B201	Coldwater, Mount Saint Helens	
CLW	Colville	
B08A	Colville Reservation, Omak	
CE-WA	Concrete	
CE-	Concrete	CE-WA
CNL	Connel	
CRF	Corfu	
CWZ	Cowlitz River	
CZM	Crazy Man Mountain	
CSEN	Crystal Springs Elementary School	
CMW	Cultus Mountains	
A09A	Danville	
DPW	Davenport	
DVW	Davenport	
E08A	Dider Farm, Eltopia	
D04A	Dobbs Creek Ranch, Lacey	
DHW	Dyer Hill	
DHW2	Dyer Hill 2	
ESD	East Dome	
EARN	East Ridge Elementary School	
ELW	Echo Lake	
ERK	Elk Rock	
EL-WA	Ellensburg	
EBG	Ellensburg	
EL-	Ellensburg	EL-WA
ET2	Eltopia	
ET3	Eltopia	
ETP	Eltopia	
ETW	Entiat	
D05A	Enumclaw	
EPH	Ephrata	
EPW	Ephrata	
EUW	Eureka	
EVCC	Everett College ANSS-SMO	
EVGW	Everett Gateway Middle School ANSS-SMO	
EGRN	Evergreen College	
FTW	Fairmont	
FPW	Fields Point	
FINN	Finn Hill Junior High School	
FL2	Flat Top 2	
FHE	Frenchman Hills East	
GBB	Gable Butte	
GBL	Gable Mountain	
GHW	Garrison Hill	
GTWN	Georgetown Playfield ANSS-SMO	
GLK	Glacier Lake	
GC-	Glacier Peak	GC-WA
GPW	Glacier Peak	
GC-WA	Glacier Peak	
F06A	Goldendale	
GMW	Gold Mountain	
GCW	Grand Coulee	
GSM	Grass Mountain	
SDCO	Great Sand Dunes National Park	
GNW	Green Mountain	
GRCC	Green River Community College BBO	
GULW	Guler Mountain	
HAN	Hanford	
HAWA	Hanford	
HGB	Hanford Gable Butte	
HART	Harbor Island ANSS-SMO	
HTW	Haystack Lookout	
RHAZ	Hazelwood Elementary School	
C08A	Higginbotham Farm, Almira	
HICC	Highline Community College ANSS-SMO	
HOLY	Holy Rosary School	
HDW	Hoodsport	
HHH	Horse Heaven Hills	
HSW	Hot Spot	
HUBA	Hudson Bay High School ANSS-SMO	
NIHS	Ingelmoor High School	
JCW	Jim Creek	
SSS1	John Stanford Center Downhole Anss-SM	
D09A	Jones Farm, Ritzville	
JRO	Jston Ridge Obs	
JLK	June Lake	
B941	Kapowsin	
KE-	Kennewick	KE-WA
KE-WA	Kennewick	
KNEL	Kent Elementary ANSS-SMO	
KIMB	Kimball Elementary School	
TKCO	King County	
KIMR	Kitsap County Moderate Risk Waste Facility	
KINR	Kitsap County North Road Shed	
KITP	Kitsap County Wastewater Treatment Plant	
KOSW	Kosmos	
LMW	Ladd Mountain	
LVP	Lakeview Peak	
LW-WA	Lake Wenatchee	
LW-	Lake Wenatchee	LW-WA
LSW	Landslide	
LAWT	Lawton Elementary School	
C06D	Leavenworth	
E03A	Lebam	
A04A	Legoe Bay, Lummi Island	
LEOT	Leota Junior High School	
LTY	Liberty	
LOCW	Locke Island	
LON	Longmire	
LCW	Lucas Creek	
A04D	Lummi Island	
LYW	Lyman	
LY-WA	Lynden	
LYNC	Lynnwood City Hall ANSS-SMO	
MNWA	Manchester	
A05A	Maple Falls	
MPL	Maple valley SMO-IDS24	
B06A	Marblemount	
MARYW	Marymoor Park	
MAY	Mayfield	
MJ2	May Junction 2	
MEW	McNeil Island	
MEAN	Meany Midle School ANSS-SMO	
MEGW	Megler CREST BB SMO	
MDW	Midway	
MBPA	Monroe Substation	
ASR	Mount Adams--Stagman Ridge	
MBW	Mount Baker	
MU-WA	Mount Baker	
MCW	Mount Constitution	
ERW	Mount Erie	
FMW	Mount Fremont	
MTMW	Mount Mitchell	
RCM	Mount Rainier--Camp Muir	
RCS	Mount Rainier--Camp Schurman	
REMR	Mount Rainier--Emerald Ridge	
RSU	Mount Rainier--Summit	
RVC	Mount Rainier--Voight Creek	
SHW	Mount Saint Helens	
VALT	Mount Saint Helens Crater	
MSH11	Mount St. Helen	
MSH31	Mount St. Helen	
MSH21	Mount St. Helen	
MXC	Moxie City	
MU-	Mt Baker	MU-WA
E10A	Myers Farm, Uniontown	
NAC	Naches	
NBW	Neah Bay	
NLWA	Neilton Lookout	
NLW	Nelson Butte	
GL2	New Goldendale	
NEW	Newport	
NOWS	NOAA--Sand Point	
A10A	Northport	
OHW	Oak Harbor	
OBSR	Observation Rock	
OCWA	Octopus Mountain	
OOW	Octopus West	
ODS	Odessa	
OD2	Odessa Site #2	
OCP	Olym-Cheeka Pk	
OFR	Olym-F Res Ctr	
OLW	Olympia	
OPC	Olympic Penn College CREST BB SMO	
OBC	Olympics--Bonidu Creek	
OBH	Olympics--Burnt Hill	
OFK	Olympics--Forks	
OLQ	Olympics--Lake Quinault	
ON2	Olympics--North River	
ONR	Olympics--North River	
OSR	Olympics--Salmon Ridge	
OSD	Olympics--Snow Dome	
OSP	Olympics--Sooes Peak	
OTR	Olympics--Tyee Ridge	
OMW	Omak	
E04A	Onalaska	
OT2	Othello	
OTH	Othello	
OT3	Othello 3	
PANH	Panhandle Gap, Mount Rainier	
PATW	Paterson	
PAT2	Paterson 2	
F07A	Phinny Hill Vineyards, Prosser	
PIER	Pier 30 Seattle	
PCEP	Pierce County East Precinct	
PCFR	Pierce County Firing Range	
PCMD	Pierce County Mountain Detachment	
PNLK	Pine Lake Middle School	
PH-WA	Pomeroy	
B04A	Port Angeles	
PGW	Port Gamble	
PRW	Prosser	
PSNS	PSNS Bremerton SMO	
PAYL	Puyallup School ANSS-SMO	
QAW	Queen Anne	
C03A	Quillayute Airport, Forks	
D07A	Quincy	
RAFT	RAFT	
RAIO	Rainier	
E05A	Randle	
RWW	Ranney Well	
RSW	Rattlesnake Hills	
RMW	Rattlesnake Mountain	
RAW	Raver	
REDWA	Red Mountain	
REMW	Rembrandt	
B09A	Rice	
RCW	Richland	
RRHS	Rochester High School	
RPW	Rockport	
RPK	Roosevelt	
RVW	Rose Valley	
ROSS	Ross	
RC1	Royal City	
SDL	Saddle Mountain	
SAW	Saint Andrews	
P403	Sandy Floe Quarry	
SEA	Seattle	
STT	Seattle	
SEND	SEND	
SEPW	September Lobe	
SQM	Sequim	
SPW	Seward Park	
SP2	Seward Park 2	
SCW	Sherman Crater--Mount Baker	
SCCW	Shoreline CC	
SBES	Silver Beach Elementary School	
SVOH	Skagit Valley Community College ANSS SMO	
SYR	Smyrna	
SNIWA	Snively Ranch	
SOSW	Source of Smith Creek	
SMW	South Mountain	
HSR	South Ridge	
SWFL	Southwest Flank Mount Saint Helens	
SWID	South Whidbey SD ANSS-SMO	
C10A	Spilker Farm, Colbert	
SPN5	Spine 5 MSH Spider	
SPO	Spokane	
SNIO	Spokane Nat. Inst. Occ. Safety SMO	
SFER	Spokane Schools, Ferris High School ANSS-SMO	
SHLY	Spokane Temp K2 (Swanson)	
STW	Striped Peak	
STD	Studebaker Ridge	
BOLM	Sugar Bowl	
SLFW	Sugar Loaf	
SMNR	Sumner High School ANSS-SMO	
E07A	Sunnyside	
TBM	Table Mountain	
TBPA	Tacoma Substation	
C06A	Tall Timber Ranch, Leavenworth	
TWW	Teanaway	
C05A	Tolt Reservoir	
TTW	Tolt Reservoir	
TK-WA	Tonasket	
TK-	Tonasket	TK-WA
TRW	Toppenish Ridge	
TDL	Tradedollar Lake	
TUM	Tumwater	
A08A	Turner Farm, Oroville	
SVTR	Two Rivers School, Snoqualmie Valley	
UPS	University of Puget Sound	
UWFH	University of Washington Friday Harbor	
VTG	Vantage	
VT2	Vantage 2	
VVHS	Vashon High School SMO	
D10A	Wagner Farm, Oakesdale	
WAH	Wahluke	
WAH2	Wahluke Slope	
WWHS	Walla Walla High School ANSS SMO	
WGW	Wallila Gap	
WG3	Wallula Gap	
WG2	Wallula Gap	
WRD	Warden	
H2OWA	Water	
C07A	Waterville	
WTV	Waterville	
WNS	Wenas	
WEN	Wenatchee	WNW
WNW	Wenatchee	
WRW	Wenatchee Ridge	
WBL	White Bluff	
WPW	White Pass	
F05A	White Salmon	
WISC	Wilburton Instructional Services Center	
WBW	Wilson Butte	
B07A	Winthrop	
WISH	Wishkah	
D03A	Wishkah Elem. School, Wishkah	
D08A	Wollman Farm, Schrag	
WIW	Wooded Island	
E09A	Wood Farm, Starbuck	
YA2	Yakima	
YA-	Yakima	YA-WA
E06A	Yakima	
YA-WA	Yakima	
YAKW	Yakima	
YPT	Yellepit	
YEL	Yellow Rock	
West Virginia		
AB-	Amboy	AB-WV
AB-WV	Amboy	
BL-	Beckley	BL-WV
BL-WV	Beckley	
BZ-WV	Buckhannon	
BZ-	Buckhannon	BZ-WV
CX-	Craigsville	CX-WV
CX-WV	Craigsville	
ER306	Early Rise 306	
ER307	Early Rise 307	
FWV	Forest Hill	
FN-	Franklin	FN-WV
FN-WV	Franklin	
GBV	Green Bank	
HWV	Hinton	
MCWV	Mont Chateau	
MRG	Morgantown	
PX-WV	Philippi	
PX-	Philippi	PX-WV
PE-	Pineville	PE-WV
PE-WV	Pineville	
PWV	Princeton	
RN-	Rainelle	RN-WV
RN-WV	Rainelle	
Wisconsin		
AO-	Argonne	AO-WS
AO-WS	Argonne	
AR-	Aurora	AR-WS
AR-WS	Aurora	
BA-	Baldwin	BA-WS
BA-WS	Baldwin	
CF-WS	Colfax	
CF-	Colfax	CF-WS
COWI	Conover	
CN-WS	Cornell	
CN-	Cornell	CN-WS
JFWS	Jewell Farm	
MDS	Madison	
MF-WS	Medford	
MF-	Medford	MF-WS
MLW	Milwaukee	
NG-	Niagara	NG-WS
NG-WS	Niagara	
RL-WS	Rib Lake	
RL-	Rib Lake	RL-WS
RLW	Rice Lake	
TM-WS	Tomahawk	
TM-	Tomahawk	TM-WS
UWM	University of Wisconsin at Milwaukee	
Wyoming		
I22A	9 Mile Ranch, Kaycee	
K19A	Absolon Red Butte, Lander	
K21A	Alcova	
ALPW	Alpine	
K24A	Anderson Ranch, Keeline	
ANGW	Angle Mountain	
AVOW	Apres Vouz Peak	
BEAW	Beaver Mountain	
YPBE	Bechler	
H21A	Big Horn, Sheridan	
I21A	Big Trails, Ten Sleep	
BDW	Boulder	
PD06	Boulder Array	BW06
BW06	Boulder Array Site 6	
K23A	Bowen Ranch, Douglas	
YPBR	Bridge Bay	
J17A	Brown Place, Jackson	
CJW	Canyon Junction	
YPCJ	Canyon Junction	
K22A	Casper	
M22A	Cedar Creek Ranch, Saratoga	
CY-WY	Cheyenne	
CY-	Cheyenne	CY-WY
M24A	Cheyenne	
H23A	Clabaugh Cattle Company, Gillette	
H22A	Clearmont	
L17A	Cokeville	
COLW	Colter Canyon	
J19A	Crowheart	
I18A	Diamond G Ranch, Dubois	
J23A	Dilts Ranch, Bill	
H24A	Dirks Ranch, Alva	
J24A	Dixon Ranch, Lance Creek	
YPEE	East Entrance	
L22A	Ellis Ranch, Medicine Bow	
L19A	Farson	
FLWY	Flagg Ranch	
L18A	Fontenelle, Green River	
FXWY	Fox Creek	
K17A	Gardner Place, Afton	
L23A	Garrett	
TARW	Grand Targhee Resort	
H17A	Grant Village	
YPGV	Grant Village	
H20A	Greybull	
HK-	Hawk Springs	HK-WY
HK-WY	Hawk Springs	
HAYW	Haystack Fork	
YHH	Holmes Hill	
YPHS	Hot Springs Basin	
IMW	Indian Meadow	
JLDW	Jackson Lake Dam	
YJC	Joseph's Coat	
KSWY	Kelly School	
J18A	Kendall Valley, Cora	
I24A	Kuemmerle Ranch, Upton	
LKWY	Lake	
YPLA	Lake Butte	
YPLB	Lake Butte	
YPLK	Lake Junction	
LAR	Laramie	
M23A	Laramie	
YLT	Little Thumb Creek	
LOHW	Long Hollow	
M18A	Lyman	
J21A	Lysite	
MJW	Madison Junction	
YMR	Madison River	
MHS	Mammoth Hot Springs	
YMV	Mammoth Vault	
YMC	Maple Creek	
YPML	Mary Lake	
YML	Mary Lake	
I23A	Meade Ranch, Gillette	
I19A	Meeteetse	
J22A	Midwest	
YMP	Mirror Lake Plateau	
MOOW	Moose Ponds	
YMS	Mount Sheridan	
MVW	Mud Volcano	
YNB	Natural Bridge	
YNR	Norris Junction	
NJW	Norris Junction	
YFT	Old Faithful	
YPOF	Old Faithful	
PACW	Pacific Creek	
M25A	Palm-Egli Farm, Albin	
YPPC	Pelican Cone	
I17A	Pilgrim Ck.	
PHWY	Pilot Hill	
PHWY1	Pilot Hill -- Preliminary Site	
PI4	Pinedale	
PI1	Pinedale	
PI5	Pinedale	
PI-	Pinedale	PI-WY
PI3	Pinedale	
PIN	Pinedale	
PI-WY	Pinedale	
PI2WY	Pinedale	
PI6	Pinedale	
PI7	Pinedale	
PI2	Pinedale	
PDAR	Pinedale Array Beam Ref. Point	
PD01	Pinedale Array Site 1	
PD10	Pinedale Array Site 10	

Code	Station Name	Other
PD11	Pinedale Array Site 11	
PD12	Pinedale Array Site 12	
PD13	Pinedale Array Site 13	
PD02	Pinedale Array Site 2	
PD03	Pinedale Array Site 3	
PD31	Pinedale Array Site 31	PDAR
PD04	Pinedale Array Site 4	
PD05	Pinedale Array Site 5	
PD07	Pinedale Array Site 7	
PD08	Pinedale Array Site 8	
PD09	Pinedale Array Site 9	
PDIAR	Pinedale Infrasonic Array Beam Reference Point	
YPP	Pitchstone Plateau	
PM-WY	Pole Mountain	
PMW	Pole Mountain	
PM-	Pole Mt.	PM-WY
H19A	Powell	
YPM	Purple Mountain	
RAMW	Rammel Mountain	
RWWY	Rawlins	
L21A	Rawlins	
REDW	Red Top Meadow	
M19A	Rock Springs	
M17A	Scullys Gap (BLM), Evanston	
M21A	Separation Peak, Rawlins	
H18A	Shoshone NF, Cody	
J20A	Shoshoni	
SNOW	Snow King Mountain	
YPSB	Soda Butte	
YPSE	South Entrance	
STEW	Steamboat Mountain	
M20A	Sweetwater, Wamsutter	
TPAW	Teton Pass	
YTP	The Promontory	
TL-WY	Thermopolis	
K18A	Toltan Ranch, Big Piney	
YTC	Trail Creek	
TRXW	Triangle-X Ranch	
YPTB	Twin Buttes	
WUWY	Wally Ulrich	
L20A	Wamsutter	
WTW	West Thumb	
L24A	Wheatland	
I20A	Worland	
WY0	Wyoming Array	WYO
WYO	Wyoming Array	
K20A	Yellowstone Ranch, Lander	
	Washington	
I56US	NEWPORT INFRASONIC ARRAY REFERENCE POINT	

PACIFIC OCEAN/OCEANIA

	Caroline Islands	
I39PW	PALAU INFRASONIC ARRAY REFERENCE POINT	
	Cook Islands	
MNHK	Manihiki	
NUE	Niue	
RAR	Rarotonga	
TG-	Tongareva I.	TG-IS
TG-IS	Tongareva Island	
	Fiji	
BQA	Beqa	
MBU	Bua	
NDE	Delaikoro	
NGA	Galoa	
KDV	Kandavu Island	
KRO	Koro	
LBSA	Labasa	
MGO	Magodro	
MSV	Monasavu	
NAF	Naboro	
NDF	Nadi	
NMS	Namosi	
NAS	Nasaqa	
NHF	Nausori Highlands	
GAU	Ngau Island	
MSVF	Nonsavu	
OVA	Ovalau	
SGE	South Ridge	
SUV	Suva	
SVA	Suva	
TVI	Taveuni	
UDU	Undu Point	
NMF	Viti Levu	
VDW	Vunidawa	
VUN	Vunikawai	
YSA	Yasawairara	
	French Polynesia	
	Gambier Islands	
RKT	Rikitea	
	Moorea	
AFR	Afareaitu	
	Society Islands	
MEH	Mehetia	
TIAR	Tiarei	
	Tahiti	
PAE	Paea	
PPTF	Pamatai, Papeete	
THT	Papeete	
PPT	Papeete	
PPT2	Papeete2	
PPN	Papenoo	
TAH	Tahiti	
TVO	Taravao	
	Tuamotu	
AMN	Amanu	
FRT	Faratahi	
NAE	Nake (Tuamotu)	
OTP	Otepa	
PMO	Pomariorio	
PMOR	Pomariorio Reef	
RUV	Rauvai	
TPT	Tiputa	
VAH	Vaihoa	
	Tubuai	
TBI	Tubuai	
	Johnston Island	
JOHN	Johnston Island	
JN-IS	Johnston Island	
	Kiribati	
XMAS	Kiritimati	
	Kiribati (Gilbert Islands)	
TARA	Tarawa	
	Line Islands	
FAN	Fanning Island	
JN-	Johnston I.	JN-IS
PR-	Palmyra I.	PR-IS
PR-IS	Palmyra Island	
	Phoenix Islands	
KNTN	Kanton	
	Mariana Islands	
AGRI	Agrihan Island	
ALMG	Alamagan	
ANAT	Anatahan	
ANA2	Anatahan	
AFOK	Anatahan S. Rim	
GUA	Guam	
GUAM	Guam	
GUMO	Guam	
NMCC	Northern Marianas College	
PAGN	Pagan	
PAGV	Pagan Volcano	
PJG	Potts Junction	
SAPN	Saipan	
SARN	Sarigan	
	Marquesas archipelago	
I21FR	MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	
TAOE	Nuku Hiva Island	
	Marshall Islands	
EW-IS	Eniwetok	
EW-	Eniwetok	EW-IS
KWAJ	Kwajalein Atoll	
	Micronesia	
	Caroline Islands	
PATS	Pohnpei	
TRU	Truk	
	New Caledonia	
	Loyalty Islands	
LIFNC	LIFOU	
OUA	Ouanaham	
KOU	Koumac	
PLUM	Mont Dore	
DZM	Mont Dzumac	
MVNO	Noumea	
NOU	Noumea	
LASL	Noumea	
ONTRN	Noumea	
NORM	Noumea	
NOC	Noumea	
NOUC	Port Laguerre	
I22FR	PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	
BAYA	Yate Dam	
	North Pacific Ocean	
	Guatemala Basin	
GB02	Guatemala Basin O.B.S. 2	
GB03	Guatemala Basin O.B.S. 3	
GB04	Guatemala Basin O.B.S. 4	
GB05	Guatemala Basin O.B.S. 5	
GB06	Guatemala Basin O.B.S. 6	
GB07	Guatemala Basin O.B.S. 7	
GB08	Guatemala Basin O.B.S. 8	
GB01	Guatemala OBS 1	
H2O	Hawaii-2 Observatory	
	Palau	
	Caroline Islands	
KOR	Koror	
PLA	Palau	
PALU	Palau	
	Papua New Guinea	
	Solomon Islands	
AUK	Auki	
GIZ	Gizo	
HNR	Honiara	
LBT	Labete	
PIV	Piva	
RKS	Reko	
SVO	Savo	
VSG	Visale	
	Pitcairn Island	
PTCN	Pitcairn Island	
	Samoa Islands	
AFI	Afiamalu	
API	Apia	
	Tahiti	
I24FR	TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	
	Tonga	
NIU	Niumate	
NUK	Nuku'alofa	
TEK	Teekin	
TNGT	Tongatapu	
VAVA	Vava'u	
	Tuvalu (Ellice Islands)	
FUNA	Funafuti	
	U.S.A.	
	Midway Islands	
MDY	Midway	
MIDW	Midway	
	Vanuatu	
BKM	Butte a Klehm	
DVP	Devils Point	
EME	Emae	
EPI	Epi	
INH	Isangel	
LMP	Lamap	
LNR	Lonorore	
LUG	Luganville	
MBV	Mont Bernier	
PVC	Port Vila	
RTV	Rentapao	
SWB	Southwest Bay	
TANV	Tanna	
VLN	Vanua Lava	
	Wake Island	
WKE	Wake	
WAKE	Wake Island	

SOUTH AMERICA

	Argentina	
TRQA	Tornquist	
	Buenos Aires	
BAA	Buenos Aires	
CCR	Chacarita	
LPA	La Plata	
VBA	Sierra Ventana	
	Catamarca	
ANL	Andalgala	
CYA	Choya	
	Chubut	
TRWA	Trelew	
	Cordoba	
BOS	Bosque Alegre	
PIL	Pilar	
TCA	Tanti	
	Jujuy	
HJA	Humahuaca	
JUJ	Jujuy	
LQA	La Quiaca	
ASTB	Santa Barbara	
YJA	Yavi	
AZAP	Zapla	
	La Rioja	
ACHE	Chepes	
CCT	Chilecito	
RTPR	Patquia	
AVFE	Valle Fertil	
VCA	Vinchina	
	Mendoza	
AAGR	Agrelo	
MAA	Manantiales	
MDZ	Mendoza	
MEN	Mendoza	
ASAL	Salagasta	
RFA	San Rafael	
AUSP	Uspallata	
AVIZ	Vizcacheras	
	Misiones	
EDMA	Eldorado	
	Neuquen	
CANA	Caviahue	
	Patagonia	
COYC	Coyhaique	
SCA	Santa Cruz	
	Rio Negro	
CIP	Cipolletti	
PLCA	Paso Flores	
	Salta	
FSA	Cafayete	
ALUM	Lumbreras	
SLT	Salta	
SLA	San Lorenzo	
TSA	Tranquitos	
	San Juan	
RTBS	Barreal	
BCO	Cerro Blanco	RTCB
RTCB	Cerro Blanco	
ACCO	Cerro Coronel	
CEN	Cerronegro	
RTCV	Cerro Valdivia	
VAA	Cerro Valdivia	RTCV
RTLL	Cerro Villicun	
CFA	Coronel Fontana	
CFAA	Coronel Fontana	
ACDV	Cuesta del Viento	
HLN	Hualilan	
LEO	Leoncito	
RTLS	Leoncito	
AMAR	Marayes	
RTMQ	Marquesado	
AMLC	Mogote Corralitos	
PPA	Pie de Palo	
RTRS	Rodeo	
AROD	Rodeo	
SJA	San Juan	
ZON	Zonda	
	San Luis	
ACAN	Cantantal	
MRA	San Martin	
	Santa Fe	
HSFA	Helvecia	
	Santiago del Estero	
SDE	Santiago Estero	TPA
TPA	Tala Pozo	
	Tierra del Fuego	
DSPA	Despedida	
TRVA	Ter de Rio Valdez	
USHU	Ushuaia	
USHA	Ushuaia	
	Tucuman	
AHML	Horco Molle	
TCM	Tucuman	
	Bolivia	
CNCB	Chanca	
CCH	Cochabamba	
DSG	Desaguadero	
LZ-BV	La Paz	
LPAZ	La Paz	
LPB	La Paz	
LZ-	La Paz	LZ-BV
I08BO	LAS PENAS INFRASONIC ARRAY REFERENCE POINT	
MOCB	Mochara	
PNS	Penas	
RTA	Riberalta	
SMB	Samaipata	
LPZ	San Calixto	
SIV	San Ignacio	
SCS	Sicasica	
SUC	Sucre	
TRJ	Tarija	
TPZ	Tupiza	
ZOBO	Zongo (La Paz)	
ZLP	Zongo (La Paz)	ZOBO
	Brazil	
	Acre	
RIOB	Rio Branco	
	Alagoas	
XIN	Xingo	
	Bahia	
PDCR	Pedra do Cavalo	
SOB1	Sobradinho	
SOB3	Sobradinho	
SOB4	Sobradinho	
SOB	Sobradinho	
SOB2	Sobradinho	
AREB	Areado	
CMPB	Campos	
FNDO	Fernando de Noronha	
NATB	Natividade	
PTGA	Pitinga	
POPB	Porto Primavera	
SPB	Sao Paulo	
	Ceara	
CS6B	Jaguaretama	
	Distrito Federal	
BAE	Brasilia	
BDFB	Brasilia	
BCS*	Brasilia Array	
BAO	Brasilia Array Centre Point	
BAE1	Brasilia Array Site E1	
BAE2	Brasilia Array Site E2	
BAE3	Brasilia Array Site E3	
BAE4	Brasilia Array Site E4	
BAE5	Brasilia Array Site E5	
BAEE	Brasilia Array Site EE	
BAS1	Brasilia Array Site S1	
BAS2	Brasilia Array Site S2	
BAS3	Brasilia Array Site S3	
BAS4	Brasilia Array Site S4	
BAS5	Brasilia Array Site S5	
BASE	Brasilia Array Site SE	
BAW1	Brasilia Array Site W1	
BAW2	Brasilia Array Site W2	
BAW3	Brasilia Array Site W3	
BAW4	Brasilia Array Site W4	
BAWE	Brasilia Array Site WE	
BDF	Brasilia (W)	
	Espirito Santo	
CAM3	Guarapari	
	Goias	
COR2	Caldas Novas	
JATB	Jatai	
	Maranhao	
BESB	Sao Joao Dos Patos	
	Mato Grosso	
AQDB	Aquidauana	
MSB	Manso	
PP1B	Ponte de Pedra	
PTMB	Porto Murtinho	
	Minas Gerais	
AGVB	Aqua Vermelha	
ATDB	Astolofo Dutra	
BARB	Barbacena	
BSCB	Bom Sucesso	
BRAS	Brasopolis	
CDCB	Carmo do Cajuru	
JFO	Juiz de Fora	
	Para	
ATB	Altamira	
BEB	Belem	
	Parana	
FDA5	Foz do Areia	
FDA4	Foz do Areia	
FDA	Foz do Areia	
ITB	Itaipu	
ITB1	Itaipu 1	
ITB7	Itaipu 7	
RSTA	Tijuco Alta	
	Pernambuco	
CAUB	Caruaru	
ITR	Itaparica	
	Piaua	
TRSB	Teresina	
	Rio de Janeiro	
BMA	Barra Mansa	
ITA	Itatiaia	
CAM1	Macae	
CAM4	Nova Friburgo	
RDJ	Rio de Janeiro	
TRRB	Tres Rios	
VASS	Vassouras	
	Rio Grande do Norte	
CAI	Caico	
IPA	Ipanguacu	
NAT	Natal	
RCBR	Riachuelo	
	Rio Grande do Sul	
UFRS	Porto Alegre	
	Rondonia	
SRB	Samuel	
SAML	Samuel	
	Sao Paulo	
VAO2	Atibaia	
BB16B	Bebedouro	
CACB	Caconde	
IGAB	Igarata	
JUQB	Juquia	
PARB	Paraibuna	
PPD	Presidente	
RIFB	Rifaina	
VAO3	Socorro	
VAO	Valinhos	
	Buenos Aires	
MGBA	MARTIN GARCIA	
	Cautin	
PSCH	Puerto Saavedra	
	Chile	
	Aconcagua	
ALH	Alicahue	
CTP	Catapilco	
JACH	Jahuel	

Antofagasta
ANCH Antofagasta
ANT Antofagasta
CAC Calama
CTBN Caleta Bueno
CPN1 Cerro Paranal
LVC Limon Verde
CEN1 Los Morros
MACH Maria Elena
MECH Mejillones
MIC Michilla
MTZ Montezuma
MTQ Monturaqui
OAS Oasis
OFA Oficina Alemania
PECH Pedro de Valdivia
PEI Peine
PB07 Plate Boundary
PB09 Plate Boundary
PB06 Plate Boundary
PB04 Plate Boundary
PB03 Plate Boundary Site 03
PB10 Plate Boundary Site 10
QUL Quillagua
SLN Salinas
SPCH San Pedro de Atacama
TCN Toconce
TCP Tocopilla
TOCH Tocopilla
TPL Tocopilla
Atacama
CLD Caldera
CDCH Caldera
CAA Chanaral
CRCH Chaqaral
CPCH Copiapo
CPP Copiapo
ESC El Salvador
HUCH Huasco
SDO Salado
Bio-Bio
CCHI Chillan
COBQ Cobquecura
COCH Cobquecura
LLIC Llico
CCSP San Pedro de Concepcion
Cautin
TEM Temuco
TMU Temuco
VNV Volcan Villarrica
ARCH Arica
CTRO CASTRO
CHRN Cochrane
CNTO Contao
PUYE Entre Lagos
FUTA Futaleufu@15
HOCH Hornopire@15n
HUAR Huara
HUNY Huinay
ILCA Isla Las Cabras
TIRA La Tirana
PINT Los Pintados
NEUQ Neuquen (mine)
POZO Pozo Almonte
CHFR Pto Chacabuco
PUEL Puelo Alto
AYCH Puerto Aysen
PMCH Puerto Montt
PATCX Punta Patache
QLLN Quello@15n
TMCH Temuco
UNAP University of Iquique
Concepcion
U14B Concepcio@15n
CON Concepcion
CONC Concepcion
Coquimbo
CBCH Cabildo
CMCH Combarbala
ILCH Illapel
LCO Las Campanas
LSCH La Serena
CHNG Los Chungos
VICH Los Vilos
OVCH Ovalle
TLL Tololo Astronomical Observatory
VACH Vallenar
Easter Island
EIC Easter Island
PSC Isla de Pascua
RPN Rapa Nui
Juan Fernandez Islands
IJF Islas Juan Fernandez
Linares
PAN Panimavida
SJC San Javier
Magallanes
GO09 Cerro Castillo
GO10 Punta Arenas
PTA Punta Arenas
SOM Sombrero
Malleco
ANGC Angol
Maule
AGCH Angol
CNCO Chanco
CTCH Constitucion
CONS Constitucion
U65B Hualan@16e@15
GO05 Hualan@16e@15
ILOC Iloca
LNCH Linares
NICH Los Niches
MFCH Minera del Fierro
TALC Talca
Metropolitana
LACH Col Las Americas
O'Higgins
CICH Cipreses
COLN Colon
CACH El Canelo
U69B Peumo
PICH Pichilemu
SFDO San Fernando
STCR Santa Cruz
Santiago
ANTU Antumapu
BACH Barnechea
CLCH Cerro Calan
ELRO Cerro El Roble
CHCH Chadas Angostura
DSCH Colegio Aleman
ROCH El Roble
ROC1 El Roble
YECH El Yeso
EDC* EscuelaIngenieria
FCH Farellones
LCCH Las Cruces
LMEL Las Melosas
LLCH Llolleo
LQT Los Queltehues
PEL Peldehue
FSR Penalolen
PCH Pirque
PUEX Pudahuel
PUT Punta Talca
RCDM Rinconada Maipu
SCR San Cristobal
SJCH San Jose de Maipo
SJM San Jose Maipo
STL Santa Lucia
SAN Santiago
TACH Talagante
Tarapaca
ARI Arica
HMBC Humberston
IQQ Iquique
ICC Iquique
MNMC Min@16e Min@16e
OLL Ollague
PSGC Pisagua
PB01 Plate Boundary
PB11 Plate Boundary
PB02 Plate Boundary Site 02
PB08 Plate Boundary Site 08
Valdivia
OSCH Osorno
VLCH Valdivia
VLV Valdivia
Valparaiso
CCCH Con Con
ELP El Pangue
ELQ El Quisco
IHA Instituto Hidrografico de la Armada
LAV Laguna Verde
LNV Longovilo
MOCH Los Molles
NAVD Navidad
OLCH Olmue
PACH Papudo
PTCH Petorca
U73B San Pedro
UTF Valparaiso
VLP Valparaiso IHA
ZACH Zapallar

Colombia
ANCC Alto Anchicaya
ARNL Arenillas
AZUC Azuc
AZ1C Azucar
MALC Bahia Malaga
SOLC Bahia Solano
BARC Barichara
BETC Betania
BOCO Bogota
BOG Bogota
BCR Bucaramanga
BMG Bucaramanga
BUGC Buga
CAPC Capurgana
KENC Cerro Kenedy
CHN Chinchina
CHIC Chingaza
CMBC Cumbal
ETC El Centro
HOBC El Hobo
ROSC El Rosal
FLOC Florencia
FUQ Fuquene
GAL Galerazamba
HOQC Horqueta
CRUC La Cruz
DIAC La Diana
CLMC Lago Colima
RUSC La Rusia
MAPC Malpelo
MEDC Medellin
MUNC Munchique
CUMC Nevado Cumbal
NORC Norcasia
OCAC Ocana
PSO Pasto
PAST Pastocalle
PLAY Playas-San Antonio
PRAC Prado
SALC Salvajina
SRD San Andres
SEGC San Emigdio
GUVC San Jose del Guaviare
HELC Santa Helena
SILC Silvia
TATC Tatama
TOLC Tolima
TUMC Tumaco
PURC Volcan Purace
YANT Yantaza
PLAZ
PUYI
NAR2
ACVZ
URCR
CHI2
OLGA
ECALA
BIAC DIAC
CR2G
ANVZ
COB3
LOEW

Cordoba
SUCO SUCO

Distrito Federal
I09BR BRASILIA INFRASONIC ARRAY REFERENCE POINT

Easter Island
I13CL EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT

Ecuador
ALTA Alta Urco
ANGU Angureal
ANTI Antisana
AREE Arenal
ARRY Arrayan
AZU1 Azuela
CABP Cabo Pasado
CALV Calvario
CARM Carmen
CARS Cars
CATE Catamayo
CAYA Cayambe
CASW Cayambe
ELAGU Cayambe Volc
CHIS Cerro-Chispas-Manabi
HOJA Cerro de Hojas
ECEN Cerro Negro
CHAR Charly
CHIM Chimborazo
CHI1 Chimborazo
PORT Chimborazo Volcano
CONE Cono NE Rev Volc
ECOPE Copete-Rev Volc
COTA Cotacachi
VC1 Cotopaxi 1
COV1 Cotopaxi Volc
BTAM Cotopaxi Volcano
BVC2 Cotopaxi Volcano
BMOR Cotopaxi Volcano
BREF Cotopaxi Volcano
BNAS Cotopaxi Volcano
PITA Cotopaxi Volc (N)
MOV1 Cotopaxi Vol south
CGGP Crater GGP
CUMB Cumbre
CUPA Cupa
CUSU Cusua
DOMO Domo
ANGL Ecuador
AECU Ecuador Network
GECU Ecuador Network
PECU Ecuador Network
IECU Ecuador Network
BECU Ecuador Network
RECU Ecuador Network VC1
MECU Ecuador Network
CECU Ecuador Network
EDEN Eden
BIL2 Estacion Bilbao
QTOE Estacion Edusismo
FARH Faro
FLFR Flavio Alfaro
GALE Galera
GOLV Golondrinas
GUAL Guallil
HIER Hierbabuena
IBAR Ibarra
IGUA Igualata
ISPT Isla de la Plata
JAMA Jama
JUIV Juive
JUI6 Juive
JUI3 Juive 3
LGCB Laguna Cube
HSPR La Hesperia
LAV2 Lava2-Rev Volc
LAV3 Lava3-Reventador
LAV4 Lava4-Reventador
LITE Lita
LITE1 Lita
MACE Macas
MAG1 Magdalena
MAGD Magdalena
PECV Mancha de Ca Pechiches
MSON Mazon
MJAS Monjas
MUSH Mushullacta
NAS2 Nasa
NAS1 Nasa
NCE Nasa Cotopaxi
NONO Nono
OTAV Otavalo
PALA Palora
PATA Patacocha
PAT1 Patacocha
PDNS Pedernales
GPNO Pichincha
PINO Pino
PISA Pisayambo
PUCR Pucara
QUEM Puengasi
PTGL Punta Galera
QUIL Quilotoa
QIL2 Quilotoa
QIL1 Quilotoa
QITI Quititos
QIT2 Quititos 2
QTO Quito
QUI Quito
OAQ Quito
QUND Qund
CAMI Rancho Maria
MARY Rancho Maria
RETU Refugio
CAYR Refugio Cayambe
GGP Refugio Guagua Pichincha
EPALM Reventador volcano
REVE Rev-Rev Volc
RIOE1 Riobamba
RIOE Riobamba
RVRD Rio Verde
QUR Rumipamba
RUN2 Runtun
RUN5 Runtun
RUN3 Runtun 3
SALI Salinas
JORG San Jorge
JOR1 San Jorge 1
JUAN San Juan
JUA2 San Juan 2
LORE San Lorenzo
MGUL San Miguel
SOCH Soche
TAMB Tambo
TENA Tena
TERV Terraza Guagua
TOAZ Toaza
BMAS Trigal station
QUT Tumbaco
TUNG Tungurahua
BILB Tungurahua volcano
BPAT Tungurahua Volcano
BRUN Tungurahua Volcano
ULBA Ulba
BBIL Ulba Tungurahua
BULB Ulba Tungurahua
YANA Yana
XTAL
Galapagos
GIE Galapagos Islands
FERN Isla Fernandina
PAYG Puerto Ayora
VCHI Volcan Chico

French Guiana
CAY Cayenne
KOG Kourou
MPGF Montagnes des Peres

Juan Fernandez Islands
I14CL ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT

La Rioja
ACLC CERRO LA CRUZ
AGUA GUANDACOL
APLL PUNTA DE LOS LLANOS

Mato Grosso
CDSB Chapadao Do Sul

Mendoza
ARCO CERRO ARCO

Minas Gerais
PMNB Patos De Minas
SJMB Sao Joao De Manteninha

Paraguay
CPUP Villa Florida
I41PY VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT

Parana
PTGB Pitanga
YCA YACYRETA

Peru
CHP4 Algarobillo
PP10 Ancon
ARE Arequipa
ATAH Atahualpa
ATI Atico
PP07 Ayacucho
AYAC Ayacucho
AYE Ayenquera
PP16 Cajamarca
PP02 Calachota
PT10 Camacho
CRV Caraveli
CST Castrovirreyna
CLA Chala
PP08 Chalhuanca
CHP8 Chiclayo
CHP3 Chocan
PP03 Condor
CHP2 Corcovado
CUS Cuzco
PR05 Cuzco--Tambomachay
CHP7 Eten
PT03 Guadalupe
HUA Huancayo
HCO Huanuco
HUZ Huaraz
HURP Huarmaca
CHP5 Huaypira
ICA Ica
PT05 Jicamarca
PT11 Juni
LIM Lima
LM2 Lima (Magdalena)
PT20 Maychil
MAYR Mayorazgo
MRF Miraflores
PT21 Montanita
PT01 Morro Solar
NNA Nana
ONG Ongoro
PCS Paracas
CHP1 Pelados
PT06 Pisco
PT18 Porculla
PCHP Portachuelo
PUC Pucallpa
PVP Pueblo Viejo
PUN Puno
PP06 Puquio
QUM Quillmana
PT02 Quilmana
SGP San Gregorio
SJU San Juan
SJN San Juan, Peru
PT09 Santa Fe
SHP Santa Helena
PP04 Saramarca
PT08 Suche
TAL Talara
PP05 Tocota
TRP Trujillo
PP09 Villa El Salvador
PT04 Zamaca
EMPA
HLS
EPCH
HCA

Rio de Janeiro
ESAR Angra dos Reis-Rio de Janeiro-Brazil

Rio Grande do Norte
NBPV Pedro Velho

Rio Grande do Sul
CPSB Cacapava Do Sul
CNLB Canela
PLTB Pedras Altas

Salta
ALOL LOMAS DE OLMEDO

San Juan
AMOG MOGNA

Sao Paulo
BB19B Bebedouro
FRTB Fartura
RCLB Rio Claro- Sao Paulo-Brazil

Tierra del Fuego
I02AR USHUAIA INFRASONIC ARRAY REFERENCE POINT

Venezuela
ALTV Alturitas
ANGV Angostura
BLV Bailadores
BARV Barcelona
BRIV Barinas
BAUT Bautismo
BETV Betijoque
BIRV Birongo
BOTV Botiquin
CABA Caballo Blanco
CAOV Caicara del Orinoco
CAIV Caiguire
CLCV CALICANTO
CAMV Campeare
CAPV Capacho
CAR Caracas
CRUV Carupano
CSV Casigua
CATA Catuaro Arriba
CANV Cerro Antonio
CEDI Cerro Diablo
CEOS Cerro El Oso
ELMO Cerro Moro
CERV Cerron
CENE Cerro Negro
GTV Cerro Toribio
CUPV Cu@15pira
CUM Cumana
COAV Cumanacoa
CURV Curarigua
DABV Dabajuro
BAUV El Baul
CAFV EL CAFE
GURV El Guri
EHV El Hato
LLAV El Llanito
GMV El Manteco
ELOV Elorza
PAUV EL PAUJM
PRAV El Prado
TGRV El Tigre
TOV El Tocuyo
VIGV El Vigia
VOLV El Volcan
FIPE Fila de Piedra
ELPA Fila Paraiso
FDCV FORTIN DE LA CUMBRE
FUNV FUNVISIS
GUAC Guacamaya
GUNV Guanoco
GUIV Guiria
GUV Guri
GUV1 Guri Network
GUV3 Guri Network
GUV2 Guri Network
GUV4 Guri Network
GUV5 Guri Network
INTV Intevep
IAV Isla Aves
IBAV Isla La Blanquilla
ORCV Isla La Orchila
IMOV Isla Los Monjes
ITEV Isla Los Testigos
IVIV IVIC
JACV Jacura
AGV La Aguada
CEIV La Ceiba
LACU La Cuchilla
CUV La Culata
LADA La Danta
LAGU Laguneta
LAGV Lagunillas
LGN Lagunillas
LAPE La Pedrera
MERV Las Mercedes
OLLA Las Ollas
TORT La Tortuga
LAU La Urbina
LEV Loma de el Viento
LORO Los Roques
LUEV Luepa
GMC Macagua
MAPV Macapo
MCHV Machiques
MANV Manamana
MARA Maracay
MISV Misoa
MOLL Mollejon
MONV Montecano
MORO Morrocoy
OCUV OCUMARITO
ORIV Oritupano
PALR Palma Real
PALM Palmichal
OSV Paramo de la Osa
PDMV Paramo Marino
PARV Pariaguan
PRGV PARIAGUAN
EAV Pico El Aguila
PMV Pico Espejo
PLAV Platillon
POTV Potrerito
PAYV Puerto Ayacucho
PCRV Puerto La Cruz
PLCV Puerto La Cruz
QARV Quebrada Arriba
RIOV Rio Grande
FISA Sacuragua
SAJV Sajaritas
SANV Sanarito
SCRV San Cristobal
LORV San Lorenzo
ISAV Santa Isabel
SRV Santa Rosalia
SDV Santo Domingo
SIPV Sipayare
SIQV Siquisique
SIR Siria
SOCV Socops
TEPV Terepaima
TIOV TMO PEDROTE
TORV Torococo
PALV Tres Palos
TUV Trujillo
TURV Turiamo
UAV Universidad de los Andes
GUAN Valle de Guanape
VIRV Villa del Rosario

AGENCIES REPORTING EPICENTRAL ESTIMATES

AEIC **ALASKA EARTHQUAKE INFORMATION CENTER.** Geophysical Institute, University of Alaska Fairbanks, P.O. Box 757320, Fairbanks AK 99775-7320 , U.S.A..

ANF **USARRAY ARRAY NETWORK FACILITY.** IRIS, 1200 New York Ave, NW, Suite 800, Washington, DC 20005, U.S.A..

ARE **INSTITUTO GEOFISICO DEL PERU.** Universidad Nacional de San Agustin, Seccion de Sismologia, Calle Badajoz # 169, Mayorazgo IV Etapa, Cod. Postal 03 Referencia Cruce, Arequipa , Peru.

ASIES **ACADEMIA SINICA.** Institute of Earth Sciences, Academia Sinica, POB 1-55, Nankang, 11529, Chinese Taipei

ASRS **GEOPHYSICAL SURVEY SB RAS.** Geophysical Survey SB RAS, Ac. Koptyug Pr.,3 , 630090, Novosibirsk, Russia.

ATH **NATIONAL OBSERVATORY OF ATHENS.** Institute of Geodynamics, National Observatory of Athens, P.O. Box 20048, 118 10 Athens, Greece.

AUST **GEOSCIENCE AUSTRALIA.** Geoscience Australia, Cnr Jerrabomberra Ave and Hindmarsh Drive, Symonston ACT 2609, PO Box 378, Canberra ACT 2601, Australia.

AZER **REPUBLIC CENTER OF SEISMIC SURVEY.** Azerbaijan Academy of Science, 9, F.Agayev St., AZ1141, Baku, Republic of Azerbaijan.

BEO **SEISMOLOGICAL SURVEY OF SERBIA.** Republicki seizmoloski zavod - Seismological Survey of Serbia, Park Tasmajdan, P.O.Box 16, 11000 Beograd, Serbia.

BER **SEISMOLOGCAL OBSERVATORY IN BERGEN.** Department of Earth Science, Allegt. 41, 5007 Bergen, Norway.

BGR **BUNDESANSTALT FUER GEOWISSENSCHAFTEN UND ROHSTOFFE.** Bundesanstalt fuer Geowissenschaften und Rohstoffe, Stilleweg 2, D-30655 Hannover, Germany.

BGS **BRITISH GEOLOGICAL SURVEY.** Global Seismology Unit, Murchison House, West Mains Road, Edinburgh, EH9 3LA, United Kingdom.

BJI **CHINA EARTHQUAKE ADMINISTRATION.** Institute of Geophysics, China Earthquake Administration, P.O. Box 8116, Beijing 100081, China.

BKK **THAI METEOROLOGICAL DEPARTMENT.** Thai Meteorological Department, 4353 Sukhumvit Road, Bangna, Bangkok, Thailand.

BNS **ERDBEBENSTATION, GEOLOGISCHES INSTITUT DER UNIVERSITAT KOLN.** Erdbebenstation, Geologisches Institut der Universitat Koln, Vinzenz-Pallotti-Strasse 26, 51429 Bergisch Gladbach, Germany.

BUC **NATIONAL INSTITUTE FOR EARTH PHYSICS OF BUCHAREST.** National Institute for Earth Physics, Seismological Department, PO Box MG-2, 76900, Bucharest-Magurele, Romania.

BUD **HUNGARIAN SEISMOLOGICAL INSTITUTE.** Hungarian Seismological Institute, Meredek u. 18, H-1112 Budapest 11, , Hungary.

BUG **INSTITUTE OF GEOLOGY, MINERALOGY & GEOPHYSICS.** Ruhr-Universitat Bochum, Geb˜ude NA 3/173, 44780 Bochum, Germany.

BUL **GOETZ OBSERVATORY.** Goetz Observatory, P.O. Box AC 65, Ascot, Bulawayo, Zimbabwe.

BUT **MONTANA BUREAU OF MINES AND GEOLOGY.** Montana Tech of The University of Montana, Butte, MT 59701, U.S.A..

BYKL **GS SIBERIAN BRANCH RAS,.** Baykal Regional Seismological Centre, Lermontov str,.128, Irkutsk-33, 664033, Russia.

CAR **INSTITUTO SISMOLOGICO DE CARACAS.** Instituto Sismologico, , Apartado 6745, Caracas 1010A, Venezuela.

CASC **CENTRAL AMERICAN SEISMIC CENTER.** Escuela Centroamericano de Geologia, Universidad de Costa Rica, San Jose, Costa Rica.

CERI **CENTER FOR EARTHQUAKE RESEARCH AND INFORMATION.** Memphis University, , 3890 Central Ave (formerly TEIC Tennessee Earthquake Information Center), Memphis, TN 38152, U.S.A..

CNRM **CENTRE NATIONAL DE RECHERCHE.** Centre National de Recherche, B.P. 1346, R.P. Rabat, Morocco.

CRAAG **CENTRE DE RECHERCHE EN ASTRONOMIE, ASTROPHYSIQUE ET GEOPHYSIQUE.** Centre de Recherche en Astronomie, Astrophysique et Geophysique, Craag, Algiers, Algeria.

CSEM **CENTRE SISMOLOGIQUE EURO-MEDITERRANEEN.** Centre Sismologique Euro-Mediterraneen, c/o LDG, BP12, 91680 Bruyeres-le-Chatel, France.

DDA **DISASTER AND EMERGENCY MANAGEMENT PRESIDENCY.** Disaster and Emergency Management Presidency, Earthquake Department Presidency, Eskisehir yolu 10, Lodumlu, Ankara , Turkey.

DHMR **YEMEN NATIONAL SEISMOLOGICAL CENTER.** National Seismological Observatory Center, P.O. Box 87175, Dhamar, Yemen.

DJA **BADAN METEOROLOGI DAN GEOFISIKA.** Badan Meteorologi dan Geofisika, Jln. Angkasa I/2 Kemayoran, Jakarta Pusat 10720, Indonesia.

DMN **DEPARTMENT OF MINES AND GEOLOGY, MINISTRY OF INDUSTRY OF NEPAL.** Department of Mines and Geology, Ministry of Industry, Lainchour, Kathmandu, Lainchour, Kathmandu, Nepal.

DNK **GEOLOGICAL SURVEY OF DENMARK AND GREENLAND.** Geological Survey of Denmark and Greenland (GEUS), Ostervoldgade 10, DK-1350 Copenhagen K, Denmark.

EAF **EAST AFRICAN NETWORK.** Comprising stations from Ethiopia, Kenya, Malawi, Uganda, Zambia and Zimbabwe,

ECX **RED SISMICA DEL NOROESTE DE MEXICO (RESOM).** Centro de Investigacion Cientifica y de Educacion Superior de, Ensenada (CICESE), Aptdo. Postal 2732, Ensenada, Baja California, Mexico.

EST **GEOLOGICAL SURVEY OF ESTONIA.** Geological Survey of Estonia, Kadaka tee 82, Tallinn, 12618, Estonia.

FIA0 **FINESSA ARRAY.** , Finland.

FUNV **FUNDACION VENEZOLANA DE INVESTIGACIONES SISMOLOGICAS .** Fundacion Venezolana De Investigaciones Sismologicas (FUNVISIS), Apartado 76880, Caracas 1070-A, Venezuela.

GCG **INSIVUMEH.** Instituto Nacional de Sismologia, Vulcanologia, Meteorologia e Hidrologia, 7a avenida 14-57 , Zona 13, 1013, Guatemala, Ciudad., Guatemala.

GCMT **THE GLOBAL CMT PROJECT.** Lamont Doherty Earth Observatory (LDEO), Columbia University, 61 Route 9W, P.O. Box 1000, Palisades, NY 10964-1000, U.S.A..

GEN **DIPARTIMENTO PER LO STUDIO DEL TERRITORIO E DELLE SUE RISORSE (RSNI).** Universita di Genova, Laboritorio di Sismologia, Viale Benedetto XV, 5, 16132 Genova, Italy.

GFZ **GEOFORSCHUNGSZENTRUM (GFZ) POTSDAM.** Section 2.4, Seismology, GEOFON Program, Telegrafenberg, 14473 Potsdam, Germany.

GII **THE GEOPHYSICAL INSTITUTE OF ISRAEL.** Geophysical Institute of Israel, P.O. Box 182, Lod 71100, Israel, Israel.

GRAL **NATIONAL COUNCIL FOR SCIENTIFIC RESEARCH.** National Centre for Geophysical Research, 59, Rue Zahia Selman, B.P. 11-8281 Ryad El Solh 1107, Beyrouth, Lebanon.

GUC **DEPARTAMENTO DE GEOFISICA, UNIVERSIDAD DE CHILE.** Servicio Sismologico Universidad de Chile, Avenida Blanco Encalada 2002, P.O. box 2777, Santiago, Chile., Chile.

HEL **INSTITUTE OF SEISMOLOGY, UNIVERSITY OF HELSINKI.** Institute of Seismology, University of Helsinki, , Teollisuukatu 23, , P.O. Box 26, FIN-00014, Helsinki, Finland.

HLW **NATIONAL RESEARCH INSTITUTE OF ASTRONOMY AND GEOPHYSICS.** National Research Institute of Astronomy and Geophysics (NRIAG), Helwan, Cairo, Egypt.

HYD **NATIONAL GEOPHYSICAL RESEARCH INSTITUTE.** National Geophysical Research Institute, Uppal Road, , Hyderabad, Pin - 500 007, Andhra Pradesh, India.

ICE **INSTITUTO COSTTARICCENSE DE ELECTRICIDAD.** Instituto Costtariccense De Electricidad, Apartado 10032, San Jose, Costa Rica.

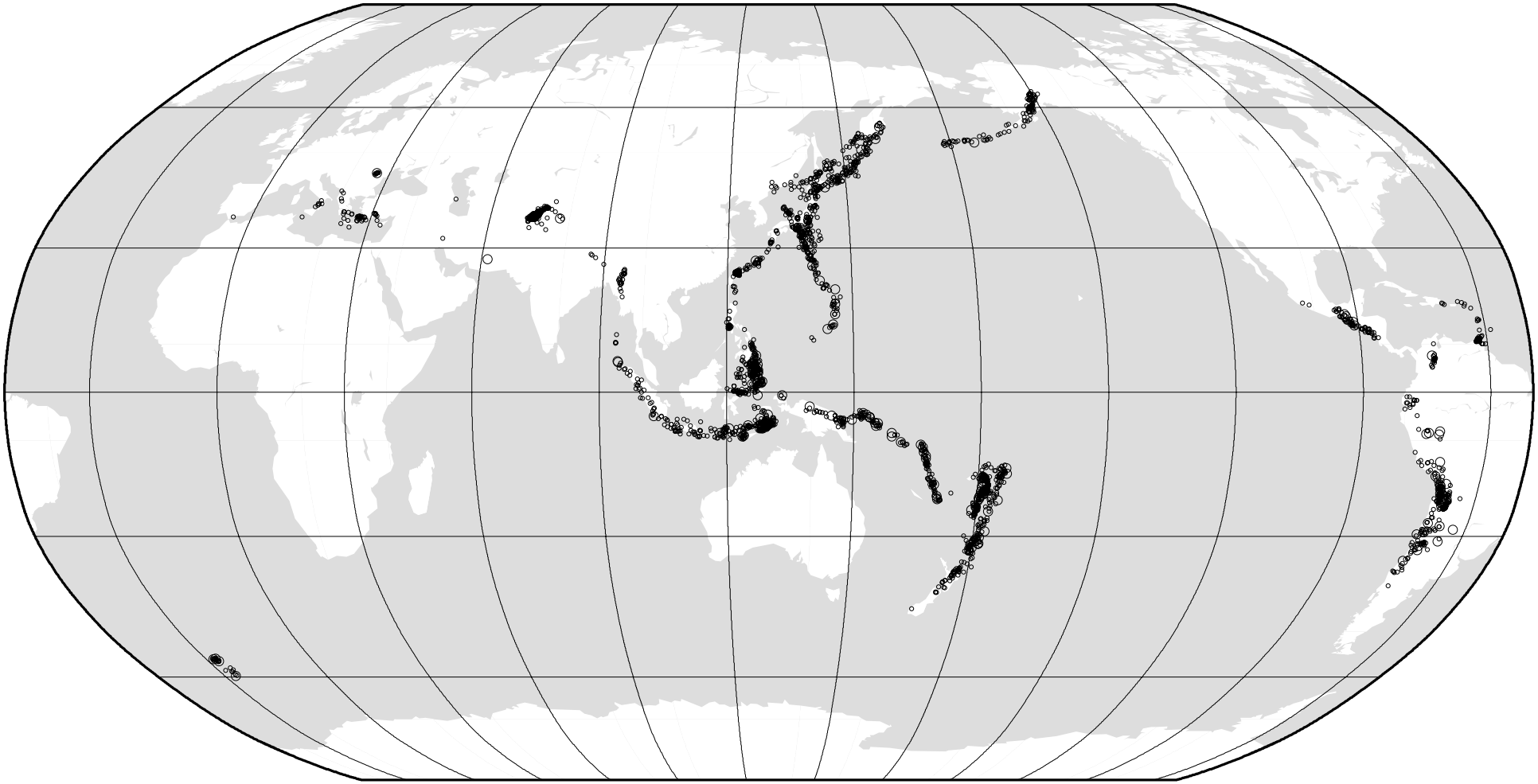
IDC	**THE INTERNATIONAL DATA CENTRE.** CTBTO Preparatory Commission, Vienna International Centre, PO Box 1200, A-1400 Vienna , Austria.
IGIL	**INSTITUTO GEOFISICO DO INFANTE D.LUIZ.** Instituto Geofisico do Infante D.Luiz, Universidade de Lisboa, R. Escola Politecnica, 58, 1269-102 Lisboa, Portugal.
IGQ	**INSTITUTO GEOFISICO QUITO.** Instituto Geofisico, Escuela Politecnica Nacional, P.O.Box 17012759, Quito, Ecuador.
INET	**INSTITUTO NACIONAL DE ESTUDIOS TERRITORIALES.** Instituto Nacional de Estudios Territoriales (INETER), Direccion de Geofisica, Frente a Hospital Metrˆ‡poli Xolotlˆ¡n, Apdo. Postal 2110 Managua, Nicaragua.
INMG	**INSTITUTO DE METEOROLOGIA IP.** Instituto de Meteorologia, Rua C ao Aeroporto, 1749-077 Lisboa, Portugal.
IPEC	**USTAV FYZIKY ZEME.** Masaryk University, Brno, Czech Republic.
ISCJB	**INTERNATIONAL SEISMOLOGICAL CENTRE.** Pipers Lane, Thatcham, Berkshire RG19 4NS, United Kingdom.
ISK	**ISTANBUL.** Kandilli Observatory and Research Institute, Bogazici University, Cengelkoy 81220, Istanbul, Turkey.
JMA	**JAPAN METEOROLOGICAL AGENCY.** Japan Meteorological Agency, 1-3-4 Otemachi, Tokyo 100-8122, Japan.
JSN	**JAMAICA SEISMIC NETWORK.** University of the West Indies, Department of Geology, Seismic Research Unit, Mona, Kingston 7, Jamaica.
JSO	**JORDAN SEISMOLOGICAL OBSERVATORY.** Natural Resources Authority, P.O. Box 7, Amman, Jordan.
KISR	**KUWAIT INSTITUTE FOR SCIENTIFIC RESEARCH.** Kuwait Institute for Scientific Research, Safat, P.O. Box 24885, Safat, Kuwait.
KMA	**KOREA METEOROLOGICAL ADMINISTRAION.** Earthquake Division, 460-18 Sindaebang-dong Dongjak-gu, Seoul 156-720, Republic of Korea.
KNET	**IVTRAN SCIENTIFIC STATION.** Bishkek - 49, Bishkek - 49, Kyrgyzstan.
KRSC	**KAMCHATKAN EXPERIMENTAL AND METHODICAL SEISMOLOGICAL DEPARTMENT.** Geophysical Service, RAS (KEMSC GS RAS), 9 Piip Boulevard, Petropavlovsk-Kamchatsky, 683006, Russia.
LDG	**LABORATOIRE DE DETECTION ET DE GEOPHYSIQUE.** Section Traitment de Donnees Geophysique, B.P. 12, 91680 Bruyeres-le-Chatel, France.
LDO	**LAMONT-DOHERTY EARTH OBSERVATORY.** Seismology Department, Lamont-Doherty Geological Observatory, Palisades, NY 10964, Palisades, NY 10964, U.S.A..
LEDBW	**LANDESERDBEBENDIENST BADEN-WUERTTEMBERG.** Landesamt fuer Geologie, Rohstoffe und Bergbau (LGRB), Referat 98 - Landeserdbebendienst, Albertstrasse 5, D-79104 Freiburg i. Br., Germany.
LIB	**TRIPOLI.** Seismological Observatory Office, Libyan center for Remote Sensing & Space Science, P.O Box 82245, Tripoli, Libya.
LIT	**GEOLOGICAL SURVEY OF LITHUANIA.** Geological Survey of Lithuania, S. Konarskio 35, LT-2600 Vilnius, Lithuania.
LJU	**ENVIRONMENTAL AGENCY OF THE REPUBLIC OF SLOVENIA.** Environmental Agency of the Republic of Slovenia, Seismology Office, Dunajska 47/VII, SI-1000 Ljubljana, Republic of Slovenia.
LVSN	**LATVIAN SEISMIC NETWORK.** Latvian Environment, Geology and Meteorology Centre, Maskavas Street 165, Riga, LV-1019, Latvia.
MAN	**PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY.** PHIVOLCS, University of the Philippines Campus, PHIVOLCS Building, C. P. Garcia Avenue, Diliman, Quezon City, 1100, Philippines.
MDD	**INSTITUTO GEOGRAFICO NACIONAL.** Instituto Geografico Nacional, Servicio de Sismologia e Ingenieria Sismica, Calle del General Ibanez de Ibero 3, Apartado 3007, Madrid 3, Spain.
MEX	**INSTITUTO DE GEOFISICA DE LA UNAM.** Servicio Sismologico Nacional, Instituto de Geofisica, Universidad Nacional Autonoma de Mexico, Ciudad Universitaria Del. Coyoacan, C.P. 04510, Mexico D.F., Mexico.
MOS	**GEOPHYSICAL SURVEY OF RUSSIAN ACADEMY OF SCIENCES.** Geophysical Survey of Russian Academy of Sciences, Obninsk, Lenin str., 189 , 249020, Kaluga region, Russia.
MRB	**INSTITUT CARTOGRAFIC DE CATALUNYA.** Institut Cartografic de Catalunya, Parc de Montjuic, 08038 Barcelona, Spain.
NAO	**NORSAR.** NORSAR, Instituttveien 25, P.O. Box 53, 2027 Kjeller, Norway.
NCEDC	**NORTHERN CALIFORNIA EARTHQUAKE DATA CENTER.** University of California, Berkeley and US Geological Survey, http://quake.geo.berkeley.edu/ncedc, Menlo Park, U.S.A..
NDI	**INDIA METEOROLOGICAL DEPARTMENT.** India Meteorological Department, Lodi Road, New Delhi, India.
NEIC	**NATIONAL EARTHQUAKE INFORMATION CENTER.** National Earthquake Information Center, U.S. Geological Survey, Stop 967, DFC, Denver CO 80225-0046, U.S.A..
NERS	**NORTH EASTERN REGIONAL SEISMOLOGICAL CENTRE.** North Eastern Regional Seismological Centre (GSRAS), Skuridin str.,6-b, 685024 Magadan, Russia.
NIC	**CYPRUS GEOLOGICAL SURVEY DEPARTMENT,.** Ministry of Agriculture Natural Resources and Environment, Geological Survey Department, Seismological Section, 1415 Lekosia, Cyprus.
NIED	**NATIONAL RESEARCH INSTITUTE FOR EARTH SCIENCE AND DISASTER PREVENTION.** National Research Institute for Earth Science and Disaster Prevention, 3-1 Tennodai , Tsukuba, Ibaraki 305-0006, Japan.
NNC	**KAZAKHSTAN NATIONAL DATA CENTER.** Kazakhstan National Data Center, IGR NNC RK, Chaikinoy str., 4, 480020, Almaty, Kazakhstan.
NOU	**IRD CENTRE DE NOUMEA.** Institut de recherche pour le dˆ'veloppement, Centre de Noumea, 101 Promenade Roger Laroque - Anse Vata, BP A5 - 98848 Noumea Cedex, New Caledonia.
NSSC	**NATIONAL SYRIAN SEISMOLOGICAL CENTER.** Ministry of Petroleum and Mineral Resources, Damascus, Syria.
NSSP	**NATIONAL SURVEY OF SEISMIC PROTECTION.** Government of the Republic of Armenia, Davidashen 4 Massiv, 375054 Yereven , Armenia.
OMAN	**SULTAN QABOOS UNIVERSITY.** College of Science, Sultan Qaboos University, P.O. Box 36, 123 Al Khod, Oman.
OTT	**NATIONAL EARTHQUAKE HAZARDS PROGRAM.** National Earthquake Hazards Program, Natural Resources Canada, Ottawa, Ontario K1A 0Y3, Canada.
PAS	**CALIFORNIA INSTITUTE OF TECHNOLOGY.** California Institute of Technology, Seismological Laboratory, 1200 E. California Blvd., MS 252-21, Pasadena, CA 91125, U.S.A..
PDA	**UNIVERSIDADE DOS AZORES.** Universidade dos Acores, Departamento de Geociencias, Ponta Delgada, Azores, Portugal.
PDG	**SEISMOLOGICAL INSTITUTE OF MONTENEGRO.** Seismological Institute of Montenegro), R. Burica 2, p. (Previously Titograd TTG) , P.O. fah 196, 20.000 Podgorica, Montenegro.
PGC	**PACIFIC GEOSCIENCE CENTRE.** Pacific Geoscience Centre, 9860 West Saanich Road, , P.O. Box 6000, Sidney, British Columbia, V8L 4B2, Canada.
PLV	**NATIONAL CENTER FOR SCIENTIFIC RESEARCH.** National Center for Scientific Research, Hanoi, Vietnam.
PMR	**ALASKA TSUNAMI WARNING CENTER, .** Alaska Tsunami Warning Center , 910 S Felton Street, Palmer AK 99645, U.S.A..
PNSN	**PACIFIC NORTHWEST SEISMIC NETWORK.** Department Earth and Space Sciences, University of Washington, Box 351310, Seattle, WA 98195, U.S.A..
PPT	**LABORATOIRE DE GEOPHYSIQUE/CEA.** Laboratoire de Giophysique, C.E.A. D.A.S.E. L.D.G./Pamatai, B.P. 640 Papeete 98713, French Polynesia.
PRE	**COUNCIL FOR GEOSCIENCE.** Council for Geoscience, 280 Pretoria Street, Silverton, Pretoria, South Africa.
PRU	**GEOPHYSICAL INSTITUTE, ACADEMY OF SCIENCES OF THE CZECH REPUBLIC.** Geophysical Institute, Academy of Sciences of the Czech Republic, Bocni II/1401, 14131 Prague, Czech Republic.

REN	**MACKAY SCHOOL OF MINES .** MacKay School of Mines, University of Nevada, Reno, NV 89507, U.S.A..
REY	**VEDURSTOFA ISLANDS BULLETIN.** Vedurstofa Islands, Reykjavik, Iceland.
ROM	**ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA .** Istituto Nazionale di Geofisica e Vulcanologia , Via Vigna Murata 605, 00143 Roma, Italy.
RSNC	**RED SISMICA NACIONAL DE COLOMBIA.** Red Sismica Nacional de Colombia, INGEOMINAS, Diagonal 53 No 34-53, Bogota, Colombia.
RSPR	**RED SISMICA DE PUERTO RICO.** Geology Department, University of Puerto Rico, Mayaguez Campus, Box 9017, Mayaguez, PR 00681 9017, U.S.A..
SCEDC	**SOUTHERN CALIFORNIA EARTHQUAKE DATA CENTER.** Seismology Laboratory, Caltech, Pasadena, California 91125, U.S.A..
SEA	**GEOPHYSICS PROGRAM AK-50.** Geophysics Program AK-50, University of Washington, Seattle WA 98195, U.S.A..
SFS	**REAL INSTITUTO Y OBSERVATORIO DE LA ARMADA.** Oficina de Relaciones P˜"blicas de la Flota, Cuartel General de la Flota, Base Naval de Rota, 11530 Rota, C˜¡diz, Spain.
SIO	**SCRIPPS INSTITUTION OF OCEANOGRAPHY.** Inst. of Geophysics & Planetary Physics, University of California San Diego, Scripps Institution of Oceanography, 9500 Gilman Drive, La Jolla, CA 92093-0225, U.S.A..
SJA	**INSTITUTO NACIONAL DE PREVENCION SISMICA.** Instituto Nacional de Prevencion Sismica (INPRES), Departamento de Sismologia, Roger Balet 47 Norte, 5400 San Juan, Argentina.
SKHL	**SAKHALIN EXPERIMENTAL AND METHODOLOGICAL SEISMOLOGICAL EXPEDITION.** Geophysical Survey, Russian Academy of Sciences, 2 Tihookeanskaya, Yuzhno-Sakhalinsk, 693010, Russia.
SKO	**REPUBLIC OF MACEDONIA SEISMOLOGICAL OBSERVATORY.** University Seismological Observatory, Skopje, P.O. Box 422, 91001, Skopje, Republic of Macedonia.
SNET	**SERVICIO NACIONAL DE ESTUDIOS TERRITORIALES.** Ministerio de Obras Publicas de El Salvador, Alameda Roosevelt y 55 Avenida No. 16 , San Salvador, El Salvador.
SOF	**BULGARIAN ACADEMY OF SCIENCES.** Department of Seismology, Geophysical Institute, Bulgarian Academy of Sciences, Acad. G. Bonchev str, bl.3, 1113 - Sofia, Bulgaria.
SSNC	**SERVICIO SISMOLOGICO NACIONAL DE CUBA.** Centro Nacional de Investigaciones Sismologicas (CENAIS), Calle 17 no 67e/ 4 y 6, Vista Alegre, Santiago de Cuba 90400, Cuba.
SSS	**CENTRO DE ESTUDIOS Y INVESTIGACIONES GEOTECNICAS DEL SAN SALVADOR.** Centro de Estudios y Investigaciones Geotecnicas, Seccion de Sismologia, Apartado 109, San Salvador, El Salvador.
STR	**INSTITUT DE PHYSIQUE DU GLOBE.** Institut de Physique du Globe, Universite Louis Pasteur, 5 Rue Rene Descartes , 67084 Strasbourg Cedex, France.
SZGRF	**SEISMOLOGISCHES ZENTRALOBSERVATORIUM GRAFENBURG.** Seismologisches Zentralobservatorium, Mozartstrasse 57, 91052 Erlangen, Germany.
TAP	**CWB .** 64 Kung Yuan Road, , 10039 Chinese Taipei
TEH	**TEHRAN UNIVERSITY.** Geophysical Institute, Tehran University, 16 Azar Street, Enghelab Ave., Tehran, Iran.
THE	**ARISTOTLE UNIVERSITY.** Central Seismological Station, Laboratory of Geophysics, Aristotle University, GR-54006 Thessaloniki, Greece.
THR	**INT. INSTITUTE OF EARTHQUAKE ENGINEERING & SEISMOLOGY.** Int. Institute of Earthquake Engineering & Seismology, No. 26 Argavan Avenue, Dibaji Shomali, Farmanih, Tehran, Iran.
TIF	**SEISMIC MONITORING CENTRE OF GEORGIA.** Seismic Monitoring Centre of Georgia, Nutsubidze str. 77, Tbilisi 0177, Georgia.
TIR	**ACADEMY OF SCIENCES OF ALBANIA.** Seismological Institute, Academy of Sciences of Albania, Rruga Don Bosko, Tirana, Albania.
TRI	**OSSERV. GEOFISICO SPERIMENTALE.** Osservatori Geofisico Sperimentale, Sezione Sismologia, P. O. Box 2001, 34016 Trieste, Italy.
TRN	**UNIVERSITY OF THE WEST INDIES.** Seismic Research Unit, University of the West Indies, St. Augustine, Trinidad, Trinidad and Tobago.
TUN	**INSTITUT NATIONAL DE LA METEOROLOGIE.** Institut National de la Meteorologie, Avenue Mohamed Ali Akid Cit˜' olympique El Khadhra , 1003 Tunis, Tunisia.
UCC	**ROYAL OBSERVATORY OF BELGIUM.** Department of Reference Systems and Geodynamics, Royal Observatory of Belgium, Av. Circulaire, 3, Ringlaan 3, 1180 Bruxelles, Belgium.
UCR	**UNIVERSIDAD DE COSTA RICA.** Escuela Centroamericana de Geologia, Universidad de Costa Rica, Ciudad Universitaria Rodrigo Facio, Aptdo 35, San Jose, Costa Rica.
UNK	**UNKNOWN SOURCE.**
UPA	**UNIVERSIDAD DE PANAMA.** Instituto de Geociencias, Universidad de Panama (UPA), Campus Central - COLINA , Ciudad de Panam˜¡ , Panama.
UPP	**UNIVERSITY OF UPPSALA.** Dept of Earth Sciences, Seismology, Villavagen 16, 75236 Uppsala, Sweden.
UPSL	**UNIVERSITY OF PATRAS, DEPARTMENT OF GEOLOGY.** University of Patras, Department of Geology, University Campus, 265 04 Rio Patras, Greece.
USGS	**US GEOLOGICAL SURVEY.** US Geological Survey, 345 Middlefield Road, Menlo Park, CA 94025, U.S.A..
VIE	**VSTERREICHISCHER GEOPHYSIKALISCHER DIENST.** Zentralanstalt flr Meteorologie und Geodynamik, Hauptabteilung Geophysik, Postfach 342, A-1191 Wien, Austria.
WAR	**POLISH ACADEMY OF SCIENCES.** Institute of Geophysics, Polish Academy of Sciences, Ksiecia Janusza 64, 01-452 Warsaw, Poland.
WBNET	**WEST BOHEMIA SEISMIC NETWORK.** Geophysical Institute, Academy of Sciences of the Czech Republic, Bocni II/1401, 14131 Prague, Czech Republic.
WEL	**INSTITUTE OF GEOLOGICAL AND NUCLEAR SCIENCES.** Seismological Observatory, Institute of Geological and Nuclear Sciences, Geophysics Division, 69 Gracefield Road, P.O. Box 30-368, Lower Hutt, New Zealand.
WES	**WESTON OBSERVATORY.** Department of Geology and Geophysics, Boston College, 381 Concord Road, Weston, MA 02193, U.S.A..
ZAG	**SEISMOLOGICAL SURVEY OF THE REPUBLIC OF CROATIA.** Seismological Survey of the Republic of Croatia, University of Zagreb, Department of Geophysics, Horvatovac bb, 10000 Zagreb, Croatia.
ZUR	**ETH ZURICH.** Swiss Federal Institute of Technology, ETH-H˜¶nggerberg HPP P2, CH-8093 Zurich, Switzerland.

ISC Epicentres for January - June 2009

Depth > 60 km

2868 Events



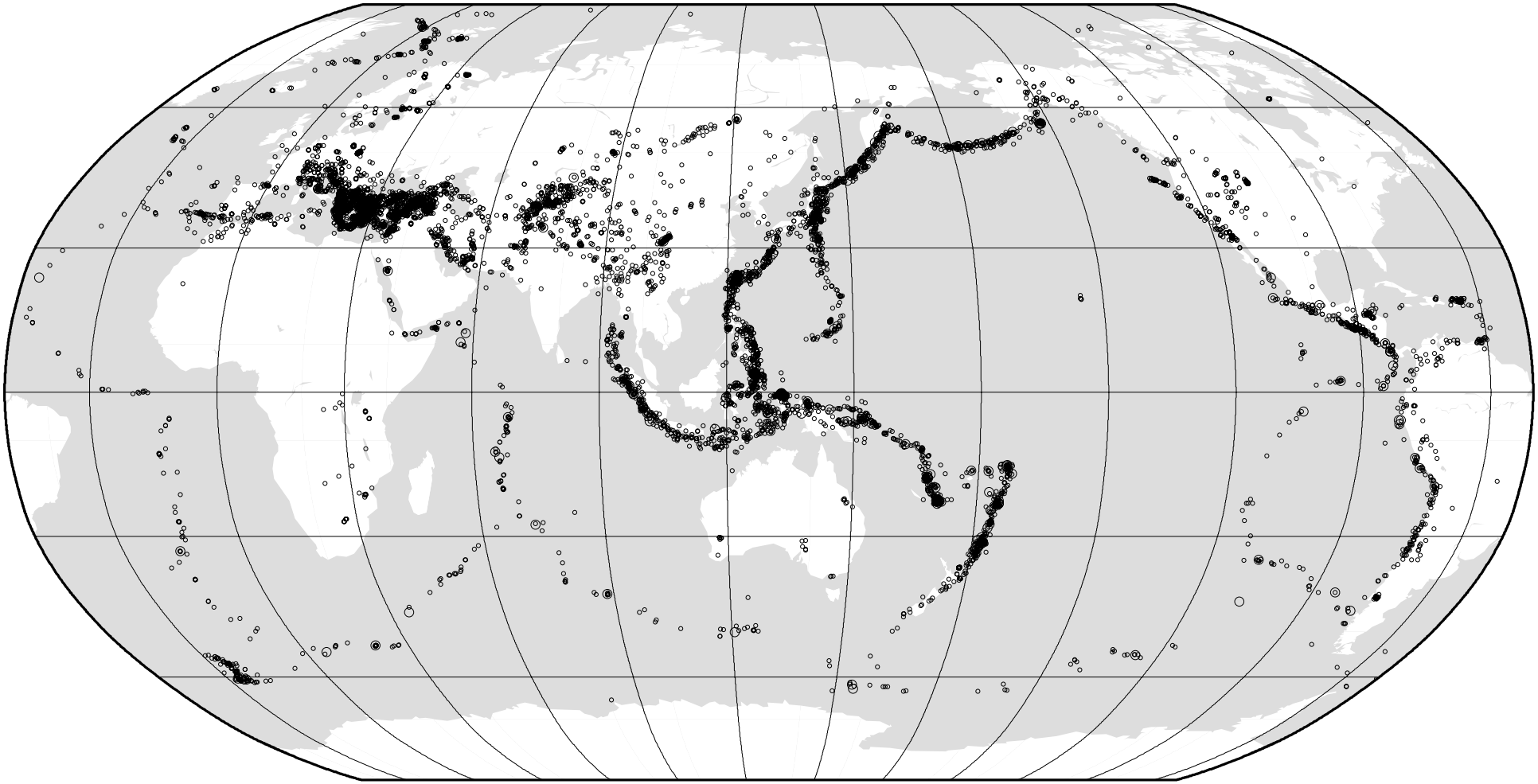
Magnitudes ○ 8 ○ 5 ◦ < 5

Robinson Projection, centred on 0˚N,130˚E

ISC Epicentres for January - June 2009

Depth <= 60 km or Unspecified

11659 Events



Magnitudes ○ 8 ○ 5 ◦ < 5

Robinson Projection, centred on 0˚N,130˚E